

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004469.D
 Acq On : 11 Sep 2018 14:47
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 12 01:45:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	446757	145.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.62%	
35) Dibromofluoromethane	5.50	113	425945	137.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.64%	
50) Toluene-d8	8.72	98	1512486	145.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.80%	
62) 4-Bromofluorobenzene	11.14	95	591780	159.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	365129	163.954	ug/l	94
3) Chloromethane	1.32	50	486694	158.796	ug/l	95
4) Vinyl Chloride	1.40	62	502170	159.638	ug/l	100
5) Bromomethane	1.63	94	239626	159.630	ug/l	100
6) Chloroethane	1.70	64	210565	103.511	ug/l	98
7) Trichlorofluoromethane	1.91	101	645952	154.897	ug/l	86
8) Diethyl Ether	2.18	74	299203	160.041	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	405585	153.314	ug/l	98
10) Methyl Iodide	2.50	142	520090	178.758	ug/l	99
11) Tert butyl alcohol	3.10	59	589477	806.284	ug/l	99
12) 1,1-Dichloroethene	2.36	96	391068	157.506	ug/l	95
13) Acrolein	2.29	56	260856	903.871	ug/l	100
14) Allyl chloride	2.72	41	812522	159.177	ug/l	94
15) Acrylonitrile	3.15	53	1417140	804.925	ug/l	98
16) Acetone	2.45	43	1088607	727.950	ug/l	97
17) Carbon Disulfide	2.56	76	1222925	170.402	ug/l	100
18) Methyl Acetate	2.78	43	633051	150.885	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	1373424	157.649	ug/l	99
20) Methylene Chloride	2.85	84	460619	150.150	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	439308	160.119	ug/l	90
22) Diisopropyl ether	3.87	45	1463242	159.159	ug/l	96
23) Vinyl Acetate	3.82	43	6252046	840.346	ug/l	98
24) 1,1-Dichloroethane	3.69	63	835495	160.965	ug/l	99
25) 2-Butanone	4.71	43	1835167	771.072	ug/l	93
26) 2,2-Dichloropropane	4.58	77	565316	158.573	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	502163	163.958	ug/l	97
28) Bromochloromethane	5.03	49	362824	152.817	ug/l	97
29) Tetrahydrofuran	5.16	42	1179542	821.812	ug/l	97
30) Chloroform	5.21	83	769250	151.801	ug/l	98
31) Cyclohexane	5.57	56	747618	168.683	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	676722	165.807	ug/l	99
36) 1,1-Dichloropropene	5.80	75	573060	139.253	ug/l	99
37) Ethyl Acetate	4.87	43	685937	146.555	ug/l	100
38) Carbon Tetrachloride	5.78	117	556033	138.336	ug/l	96

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 ClientSampleId :
 VSTDICC150

Quant Time: Sep 12 01:45:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	704507	164.054	ug/l	98
40) Benzene	6.14	78	1673611	137.068	ug/l	100
41) Methacrylonitrile	5.06	41	397226	154.035	ug/l	97
42) 1,2-Dichloroethane	6.20	62	553292	136.626	ug/l	98
43) Isopropyl Acetate	6.47	43	971288	156.243	ug/l	98
44) Trichloroethene	7.21	130	465580	146.770	ug/l	96
45) 1,2-Dichloropropane	7.52	63	437109	148.775	ug/l	99
46) Dibromomethane	7.66	93	278106	149.833	ug/l	98
47) Bromodichloromethane	7.90	83	549928	156.670	ug/l	99
48) Methyl methacrylate	7.78	41	510558	165.952	ug/l	96
49) 1,4-Dioxane	7.76	88	230167	3160.946	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	3268670	745.078	ug/l	99
52) Toluene	8.79	92	1057192	146.958	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	647518	157.919	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	687723	164.534	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	425341	137.318	ug/l	97
56) Ethyl methacrylate	9.18	69	707670	161.495	ug/l	98
57) 1,3-Dichloropropane	9.37	76	718600	142.782	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1741014	866.048	ug/l	95
59) 2-Hexanone	9.50	43	2534255	753.124	ug/l	99
60) Dibromochloromethane	9.59	129	462288	158.528	ug/l	100
61) 1,2-Dibromoethane	9.68	107	451045	152.431	ug/l	99
64) Tetrachloroethene	9.34	164	516312	127.188	ug/l	97
65) Chlorobenzene	10.14	112	1207587	149.524	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	435331	156.309	ug/l	99
67) Ethyl Benzene	10.26	91	2092429	159.335	ug/l	99
68) m/p-Xylenes	10.36	106	1632082	322.638	ug/l	98
69) o-Xylene	10.70	106	800176	164.537	ug/l	99
70) Styrene	10.71	104	1368795	169.890	ug/l	98
71) Bromoform	10.86	173	396194	173.255	ug/l	99
73) Isopropylbenzene	11.02	105	2116475	152.959	ug/l	100
74) N-amyl acetate	10.90	43	976538	167.675	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	674917	151.219	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	849155	206.847	ug/l	87
77) Bromobenzene	11.26	156	576161	150.649	ug/l	98
78) n-propylbenzene	11.37	91	2484052	156.136	ug/l	100
79) 2-Chlorotoluene	11.43	91	1453988	150.688	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1847847	158.858	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	232687	175.464	ug/l	92
82) 4-Chlorotoluene	11.51	91	1754974	155.835	ug/l	100
83) tert-Butylbenzene	11.77	119	1782250	160.938	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1910043	160.829	ug/l	99
85) sec-Butylbenzene	11.95	105	2236213	158.462	ug/l	99
86) p-Isopropyltoluene	12.07	119	2033456	163.175	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1077037	150.938	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1097598	148.869	ug/l	99
89) n-Butylbenzene	12.39	91	1884877	165.980	ug/l	99
90) Hexachloroethane	12.60	117	333071	166.952	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1095132	151.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	158007	165.802	ug/l	99

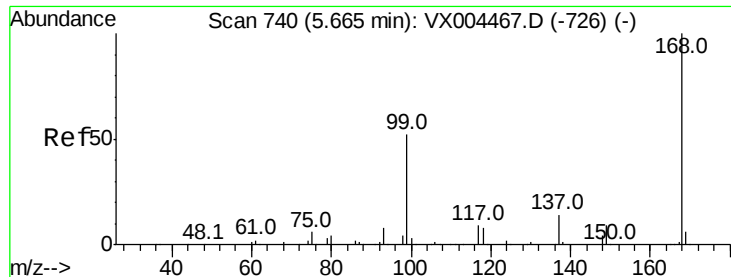
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
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ClientSampleId :
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Quant Time: Sep 12 01:45:50 2018
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	847119	165.647	ug/l	99
94) Hexachlorobutadiene	13.79	225	404797	151.536	ug/l	97
95) Naphthalene	13.83	128	2446438	170.562	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	834213	158.781	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

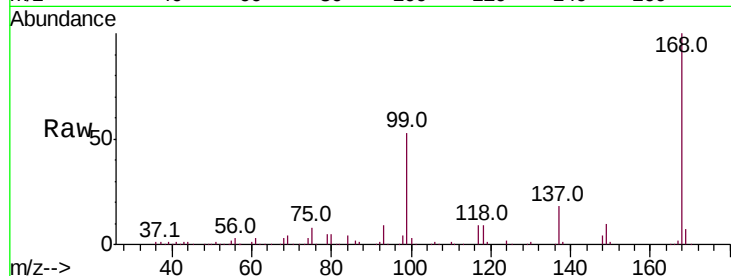
VSTDIC150

Tot Ion:168 Resp: 237625

Ion Ratio Lower Upper

168 100

99 52.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

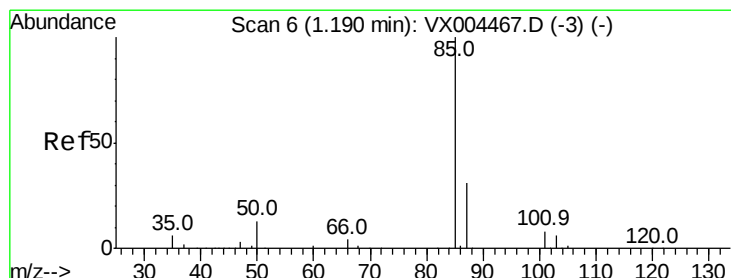
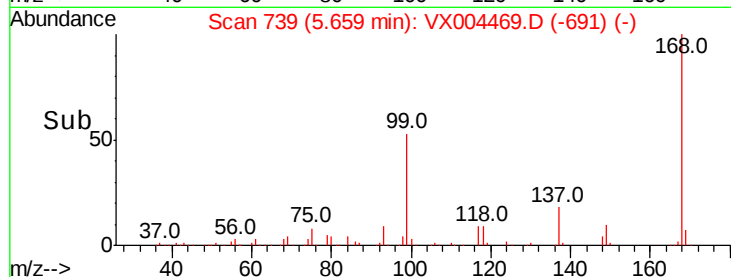
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 163.954 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX004469.D

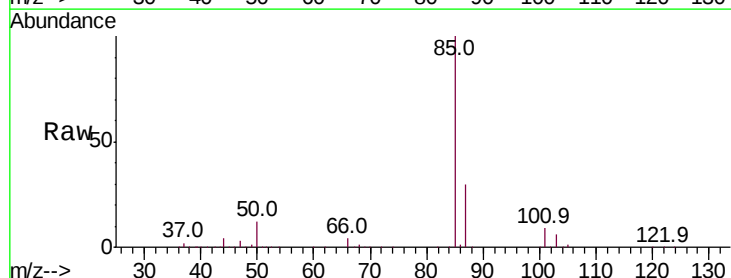
Acq: 11 Sep 2018 14:47

Tgt Ion: 85 Resp: 365129

Ion Ratio Lower Upper

85 100

87 30.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

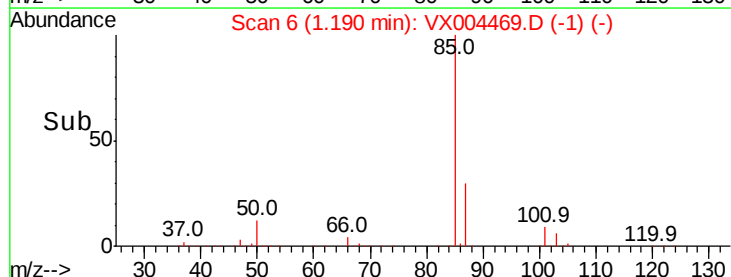
200000

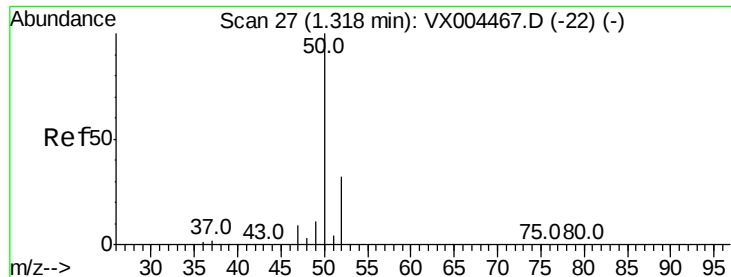
100000

0

1.10 1.20 1.30 1.40

Time-->





#3

Chloromethane

Concen: 158.796 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

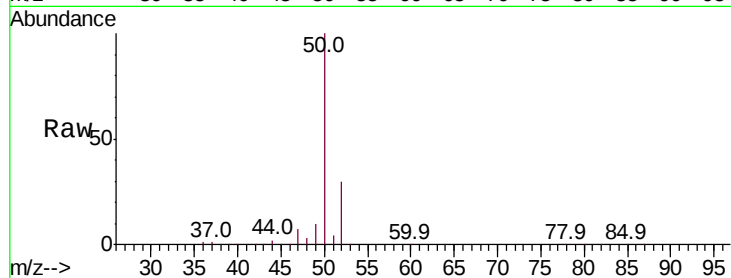
VSTDIC150

Tot Ion: 50 Resp: 486694

Ion Ratio Lower Upper

50 100

52 30.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

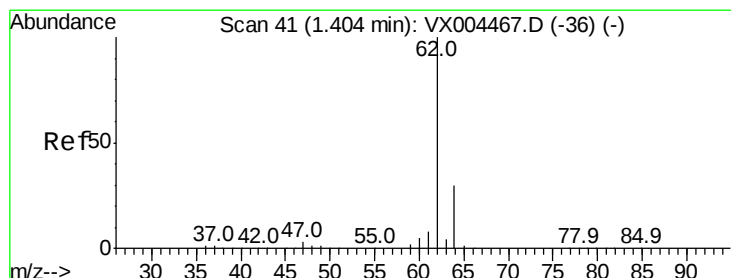
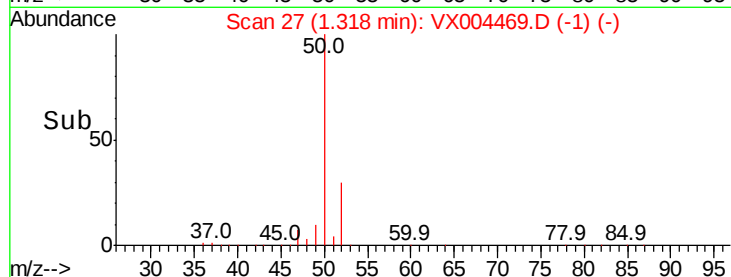
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 159.638 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004469.D

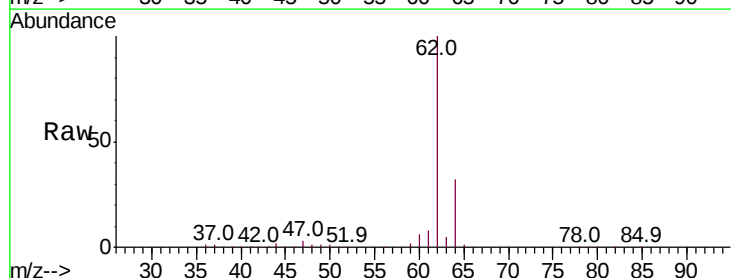
Acq: 11 Sep 2018 14:47

Tgt Ion: 62 Resp: 502170

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

500000

400000

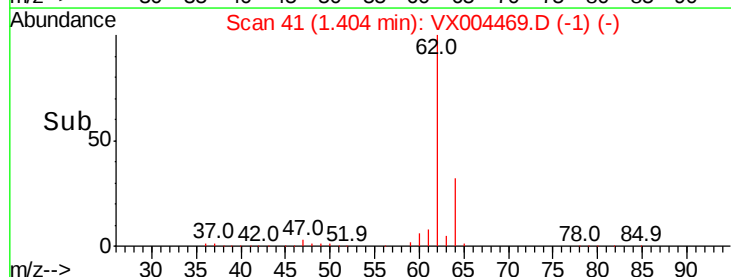
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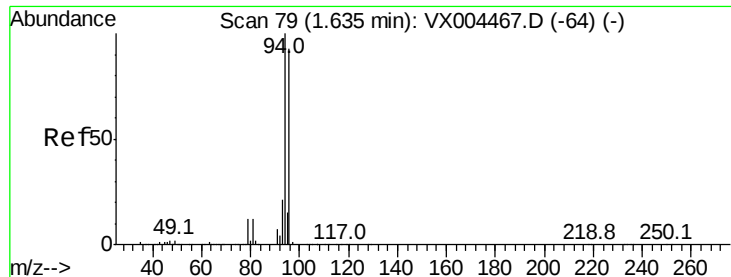
200000

100000

0

Time-->





#5

Bromomethane

Concen: 159.630 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

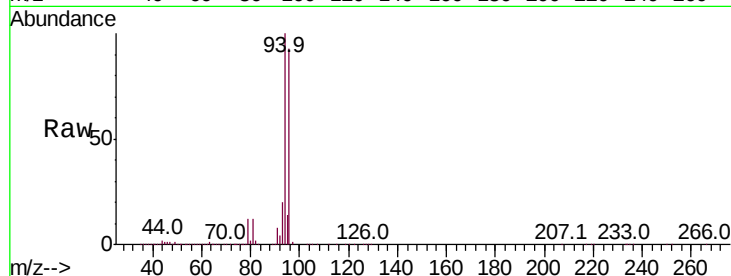
VSTDIC150

Tot Ion: 94 Resp: 239626

Ion Ratio Lower Upper

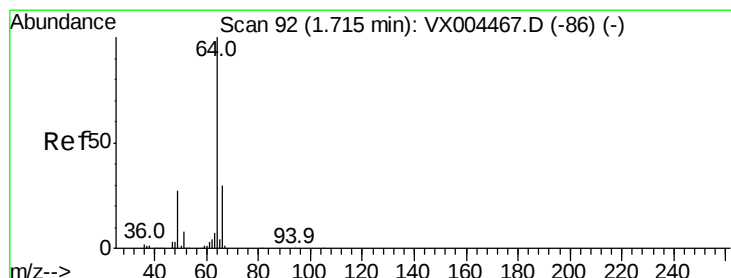
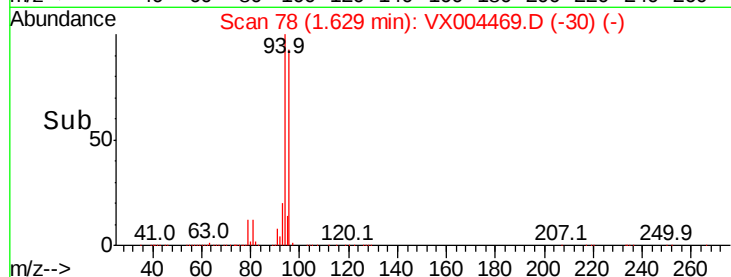
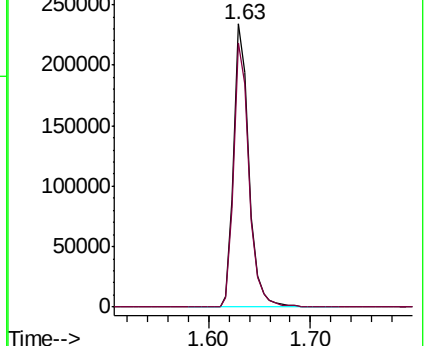
94 100

96 93.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 103.511 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX004469.D

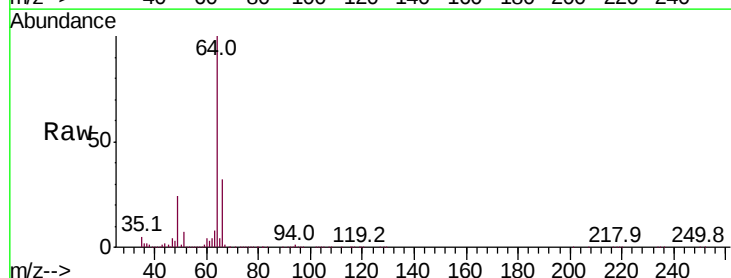
Acq: 11 Sep 2018 14:47

Tgt Ion: 64 Resp: 210565

Ion Ratio Lower Upper

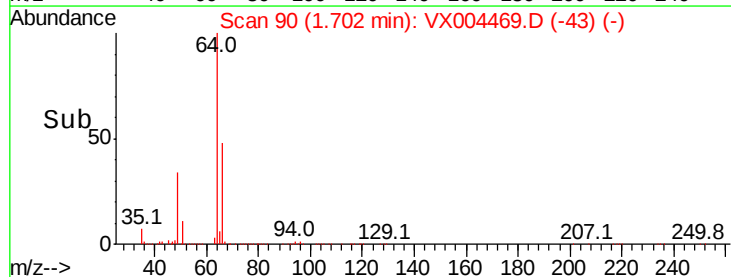
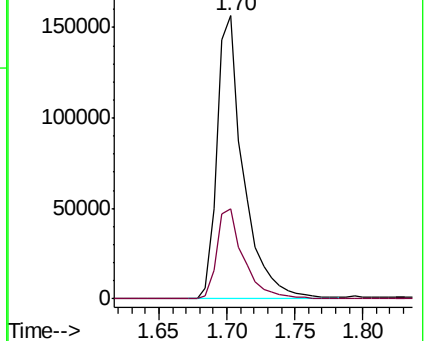
64 100

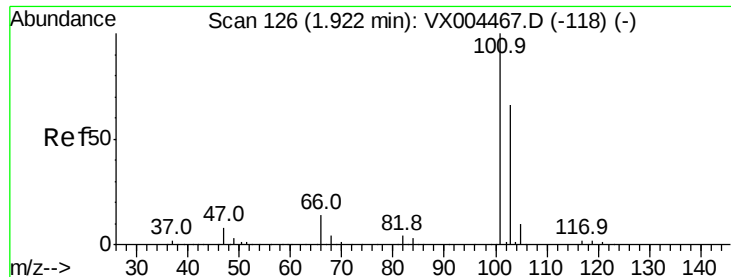
66 31.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



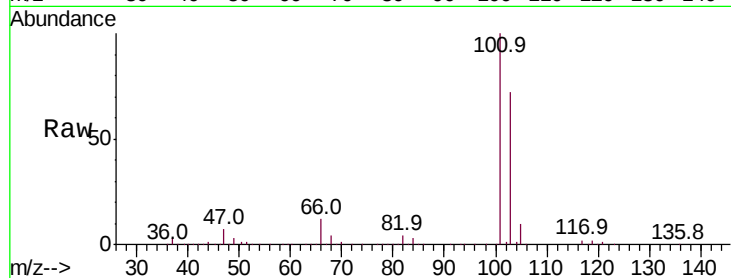


#7

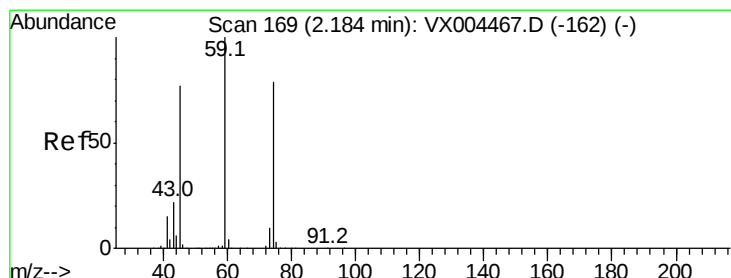
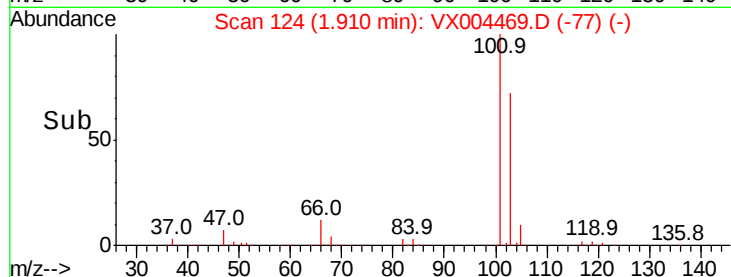
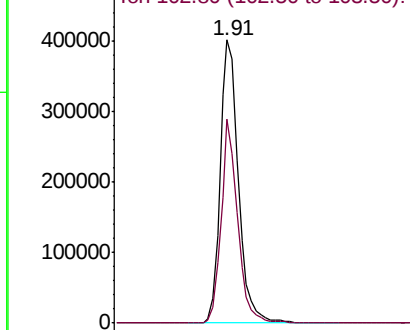
Trichlorofluoromethane
 Concen: 154.897 ug/l
 RT: 1.91 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 645952
 Ion Ratio Lower Upper
 101 100
 103 71.9 48.9 73.3



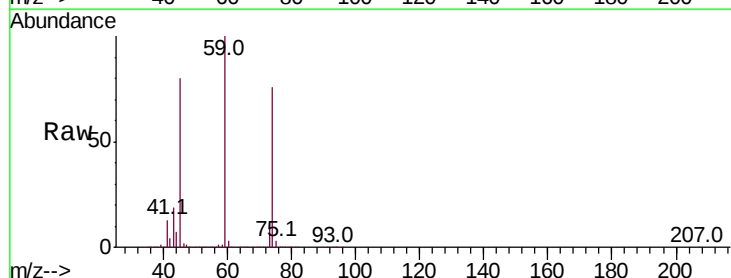
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



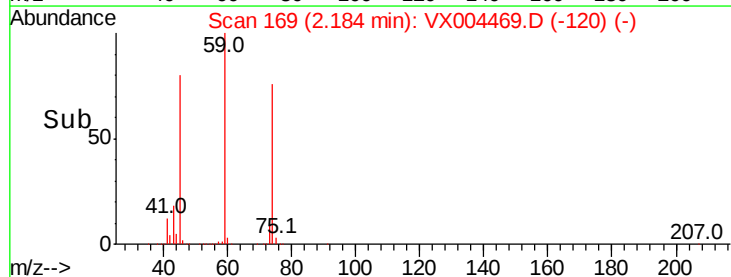
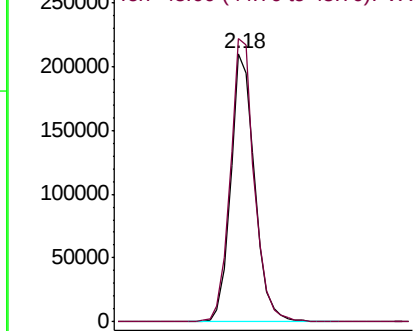
#8

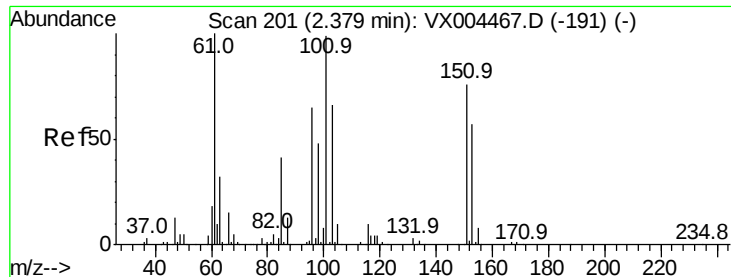
Diethyl Ether
 Concen: 160.041 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 74 Resp: 299203
 Ion Ratio Lower Upper
 74 100
 45 106.4 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.314 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

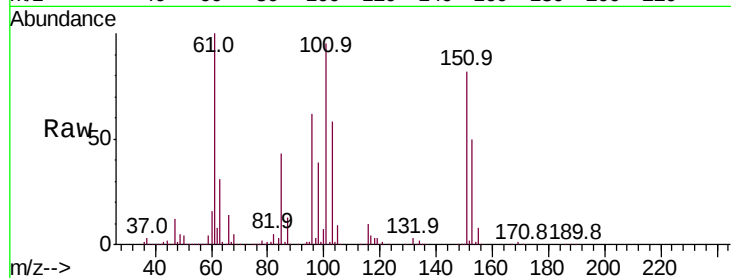
Tot Ion:101 Resp: 405585

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.4

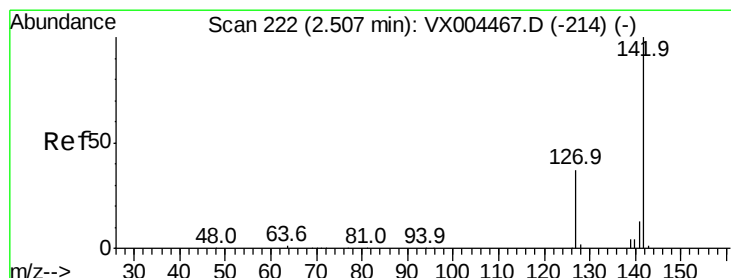
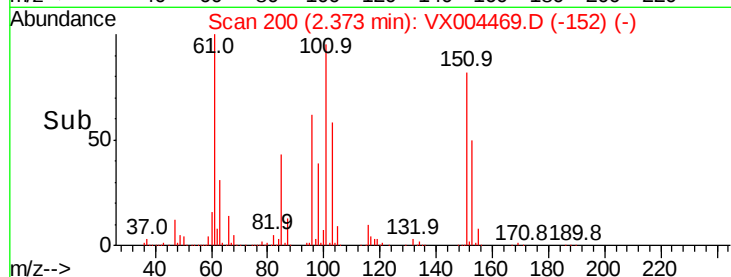
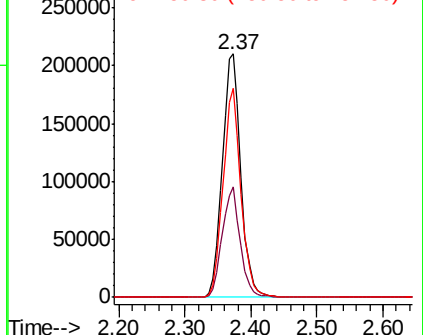
151 83.2 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 178.758 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

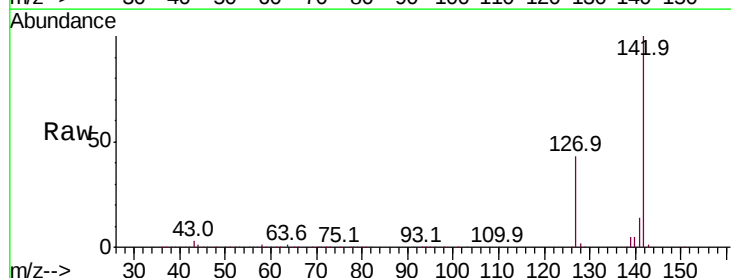
Tgt Ion:142 Resp: 520090

Ion Ratio Lower Upper

142 100

127 43.0 33.8 50.6

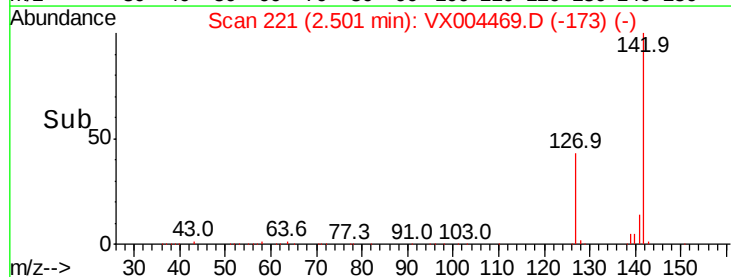
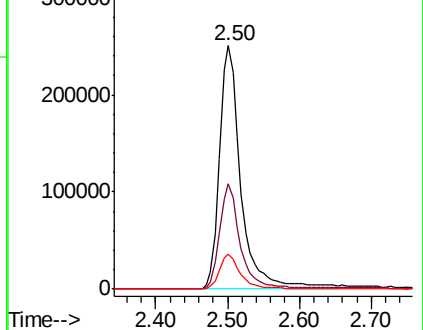
141 14.2 11.4 17.0

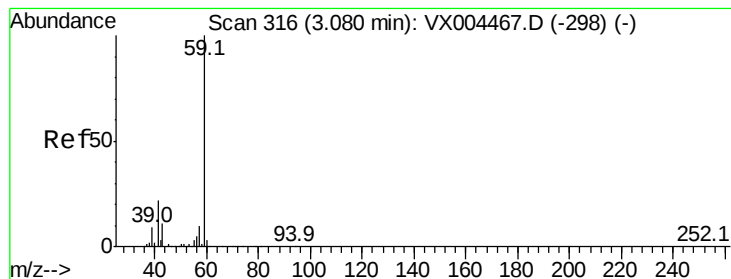


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



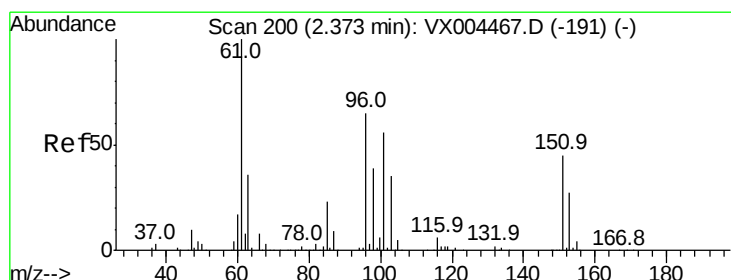
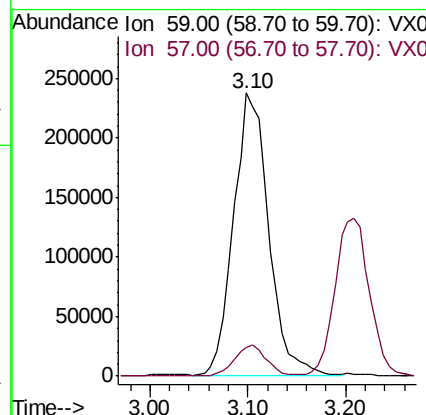
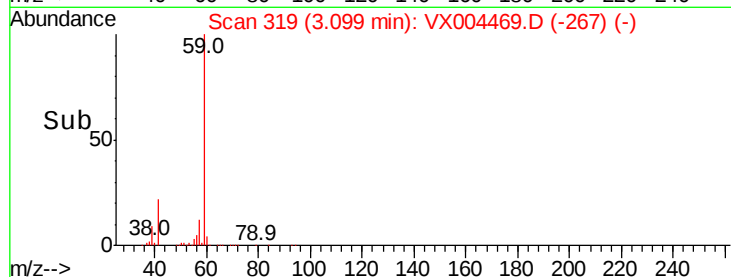
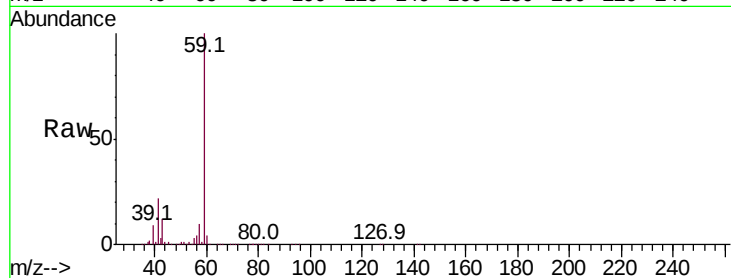


#11

Tert butyl alcohol
Concen: 806.284 ug/l
RT: 3.10 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

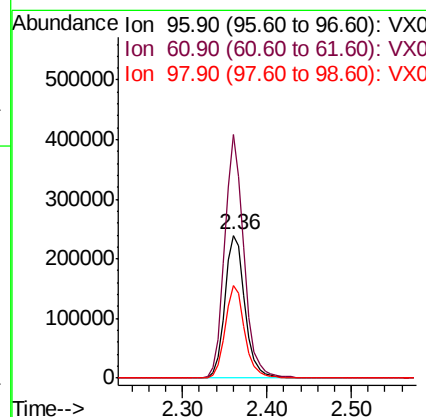
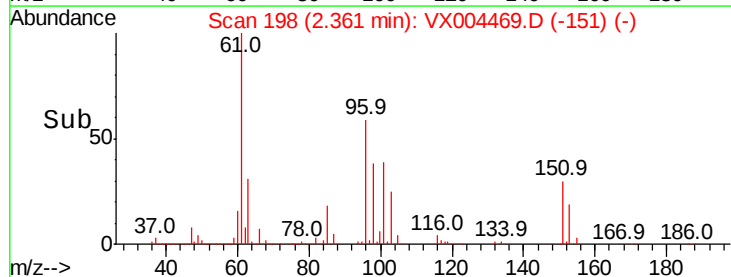
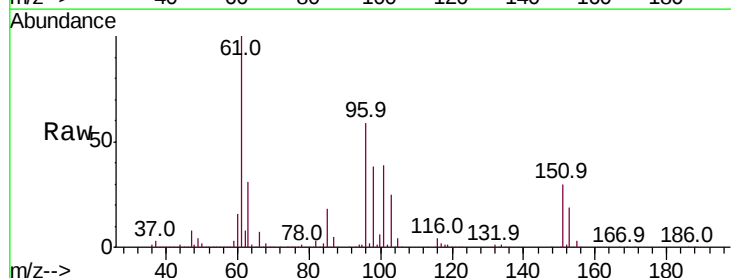
Tot Ion: 59 Resp: 589477
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4

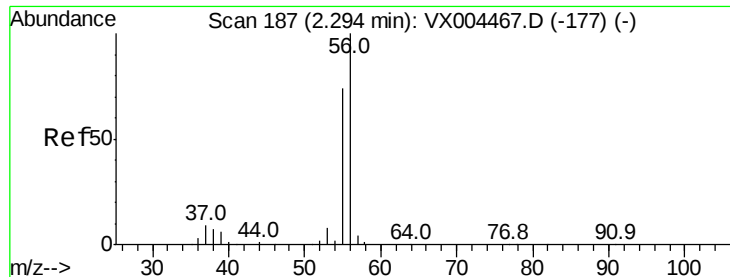


#12

1,1-Dichloroethene
Concen: 157.506 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 96 Resp: 391068
Ion Ratio Lower Upper
96 100
61 170.5 128.8 193.2
98 64.8 52.2 78.2





#13

Acrolein

Concen: 903.871 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

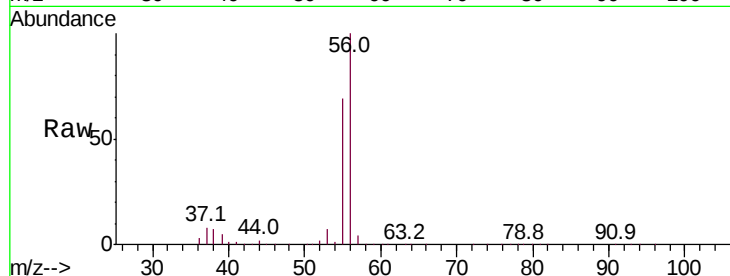
VSTDIC150

Tot Ion: 56 Resp: 260856

Ion Ratio Lower Upper

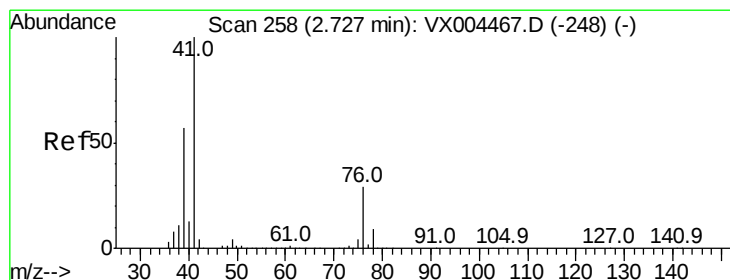
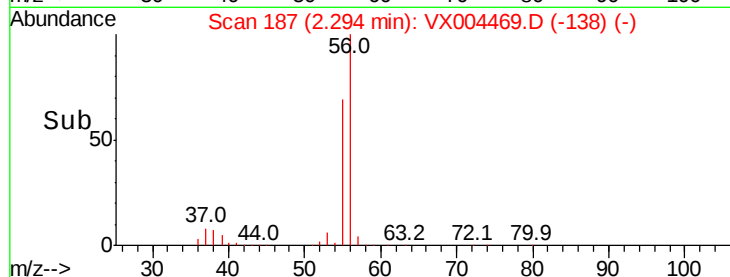
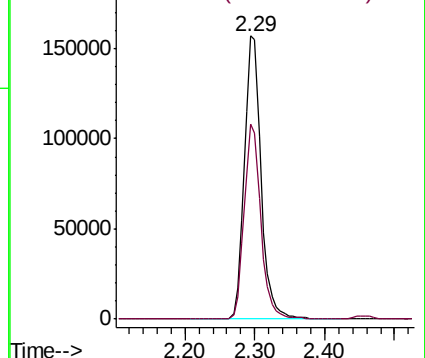
56 100

55 68.5 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 159.177 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

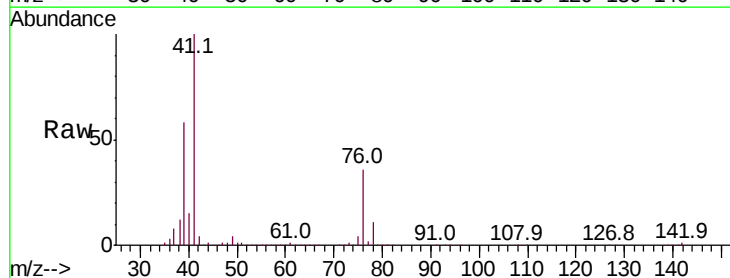
Tgt Ion: 41 Resp: 812522

Ion Ratio Lower Upper

41 100

39 55.2 48.9 73.3

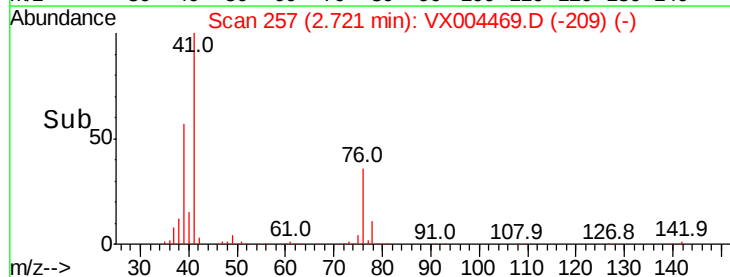
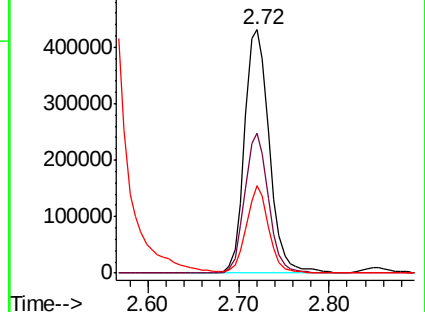
76 32.4 26.7 40.1

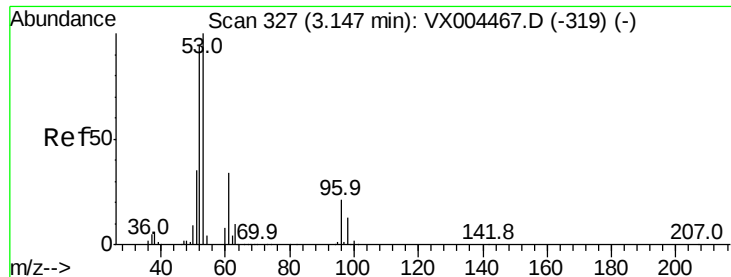


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 804.925 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

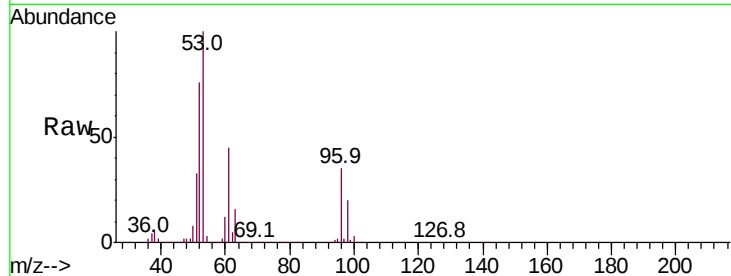
Tot Ion: 53 Resp: 1417140

Ion Ratio Lower Upper

53 100

52 79.9 65.2 97.8

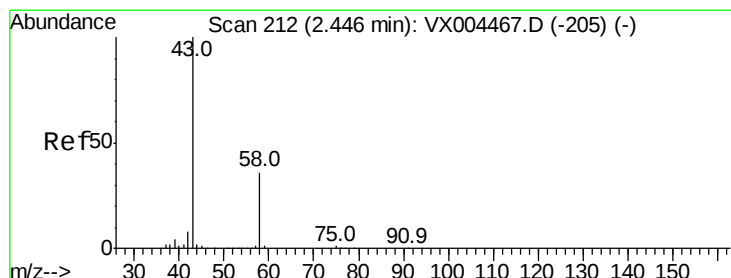
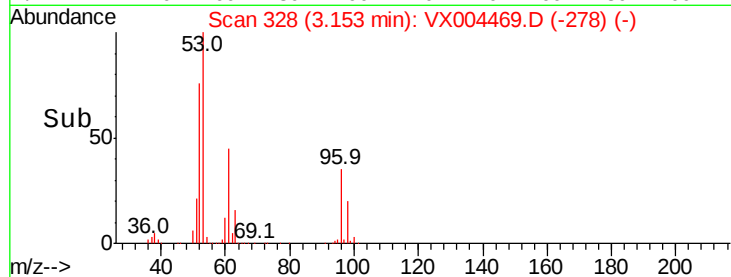
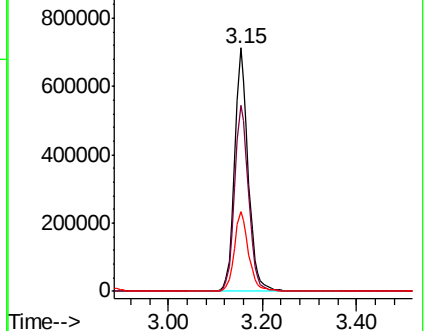
51 34.6 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 727.950 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004469.D

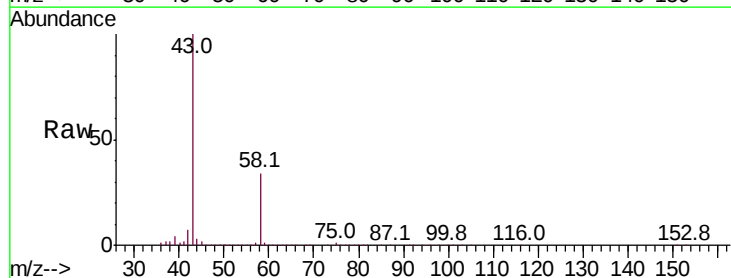
Acq: 11 Sep 2018 14:47

Tgt Ion: 43 Resp: 1088607

Ion Ratio Lower Upper

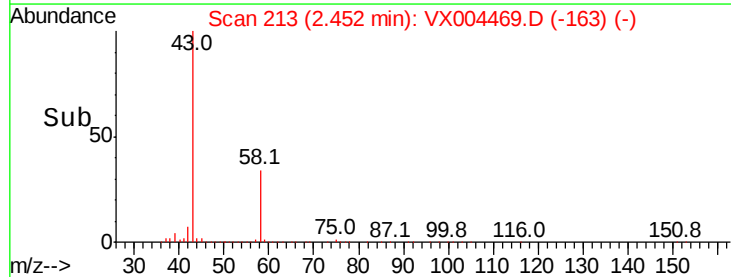
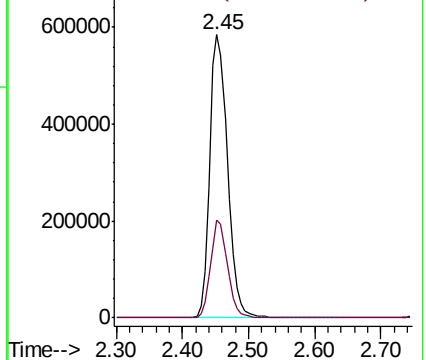
43 100

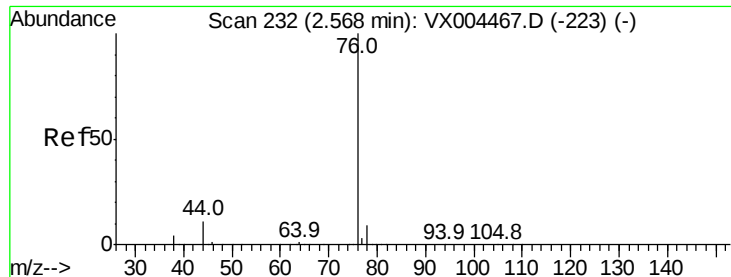
58 34.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 170.402 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

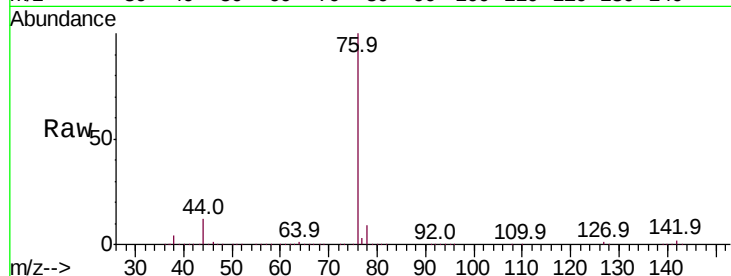
VSTDIC150

Tot Ion: 76 Resp: 1222925

Ion Ratio Lower Upper

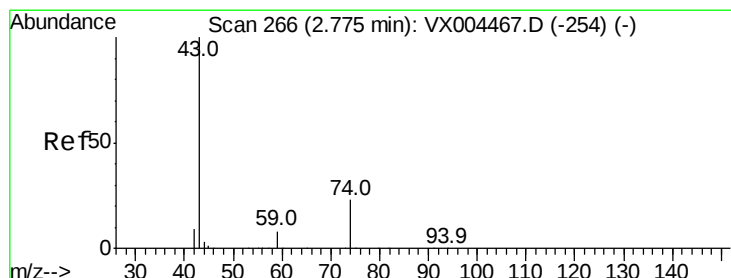
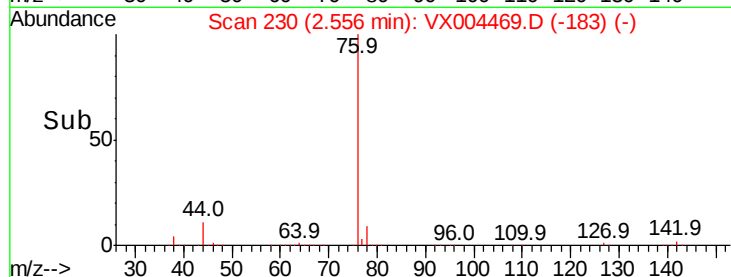
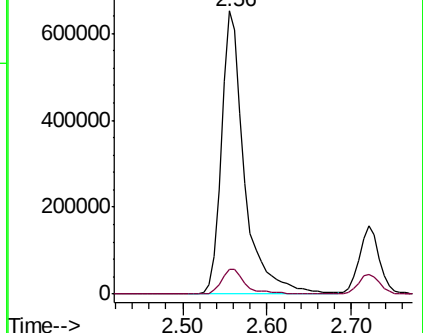
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 150.885 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004469.D

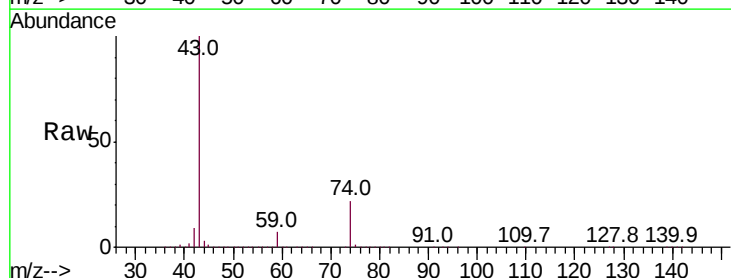
Acq: 11 Sep 2018 14:47

Tgt Ion: 43 Resp: 633051

Ion Ratio Lower Upper

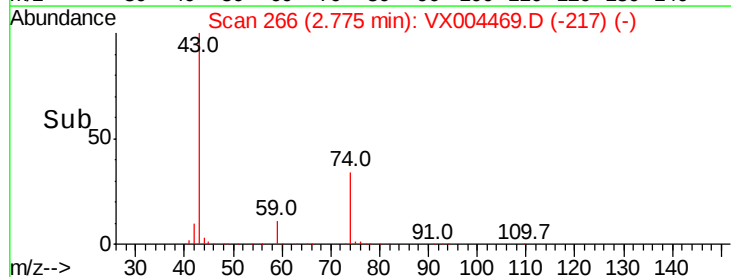
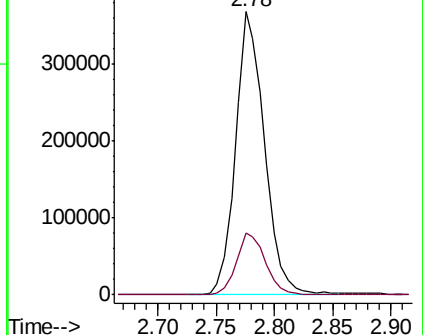
43 100

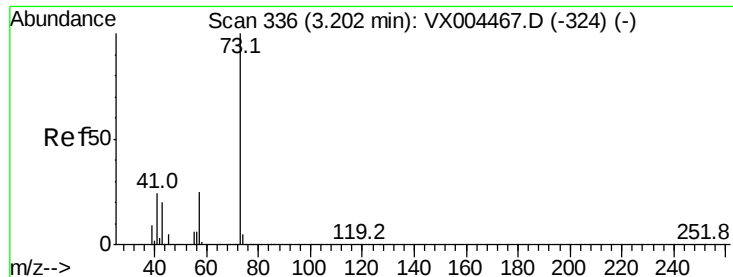
74 22.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether
 Concen: 157.649 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

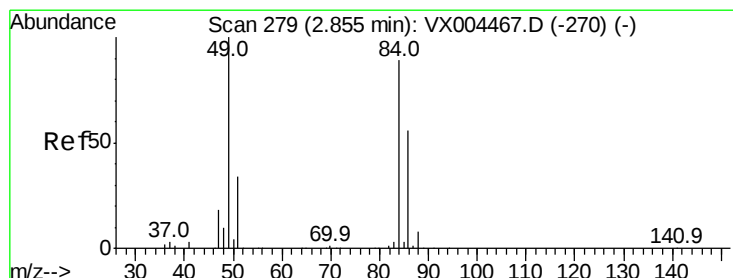
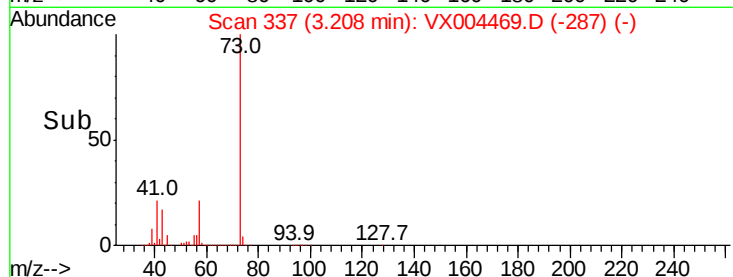
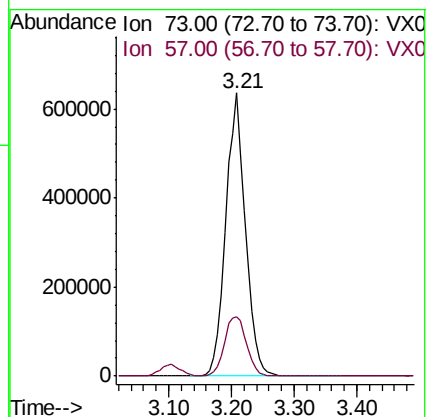
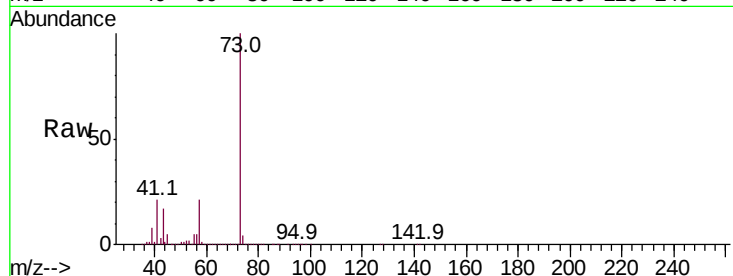
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1373424

Ion Ratio Lower Upper

73 100

57 20.9 17.1 25.7



#20

Methylene Chloride
 Concen: 150.150 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion: 84 Resp: 460619

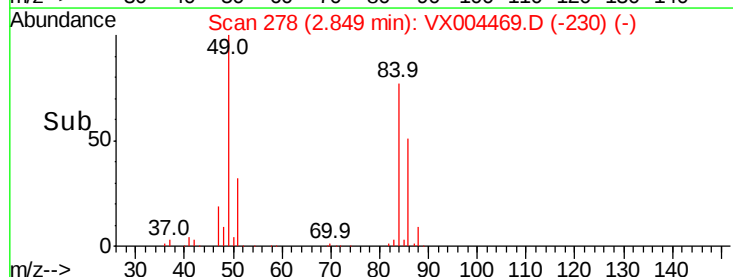
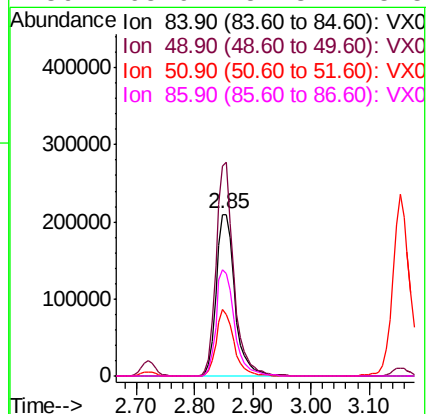
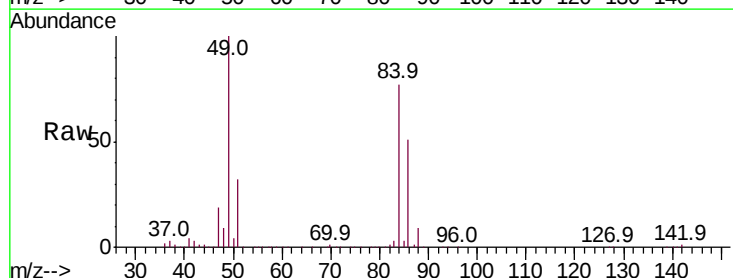
Ion Ratio Lower Upper

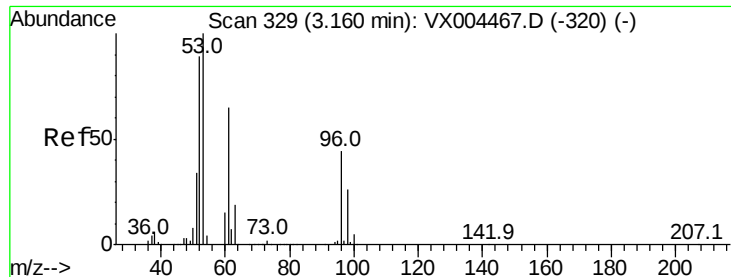
84 100

49 129.7 101.2 151.8

51 41.1 29.5 44.3

86 65.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 160.119 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

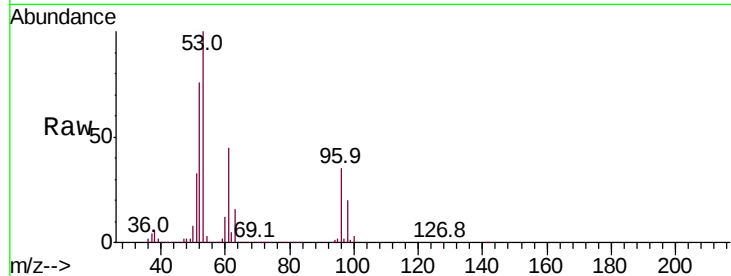
Tot Ion: 96 Resp: 439308

Ion Ratio Lower Upper

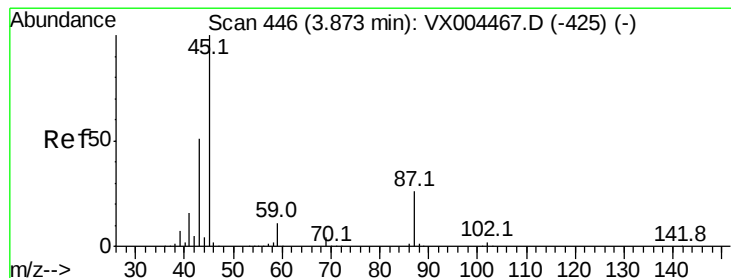
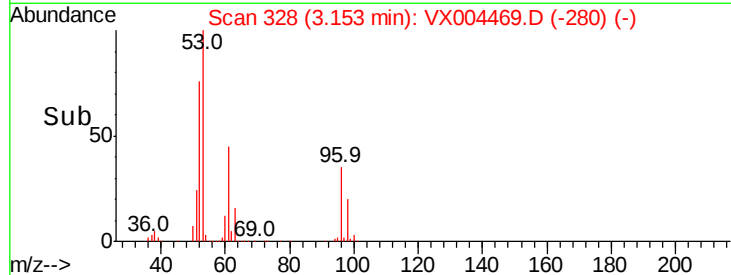
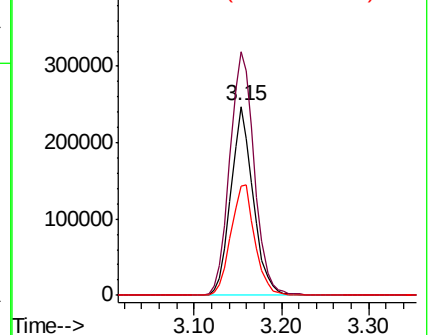
96 100

61 128.6 113.8 170.6

98 57.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 159.159 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion: 45 Resp: 1463242

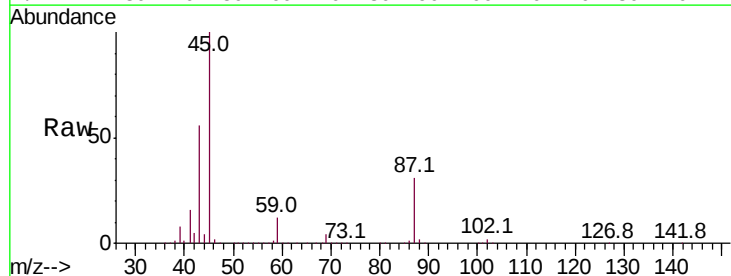
Ion Ratio Lower Upper

45 100

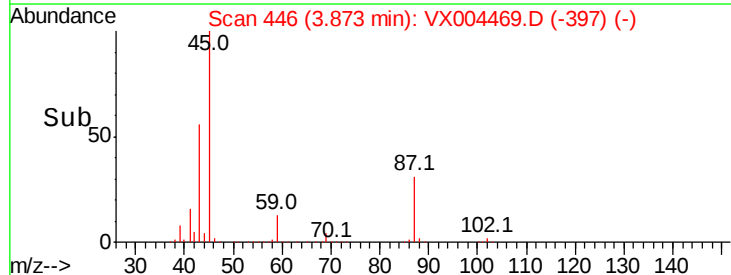
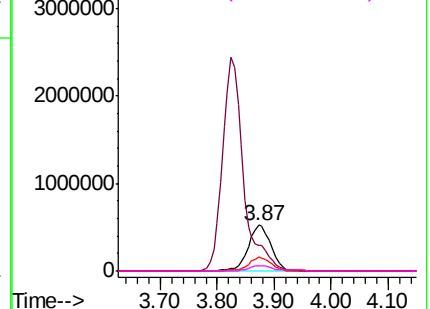
43 56.0 42.8 64.2

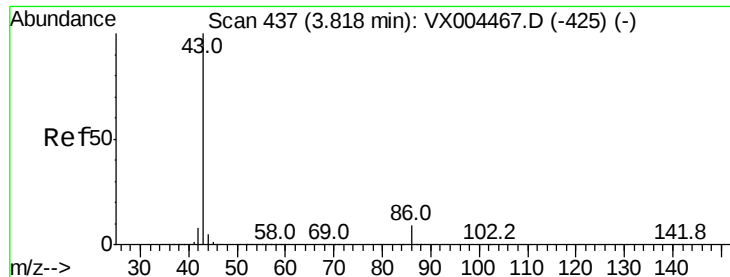
87 31.2 22.6 34.0

59 12.5 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 840.346 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampled :

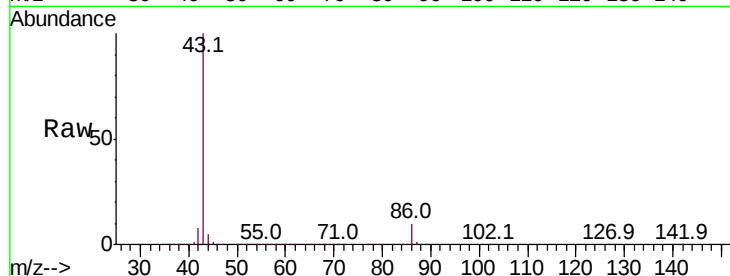
VSTDIC150

Tot Ion: 43 Resp: 6252046

Ion Ratio Lower Upper

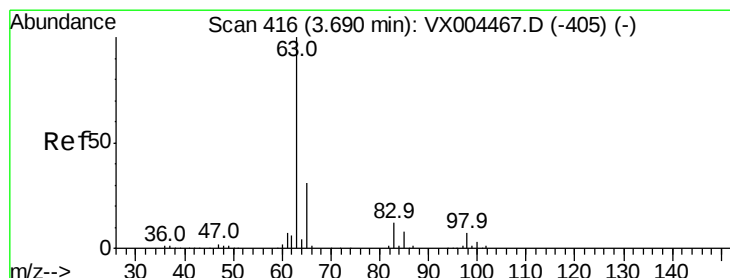
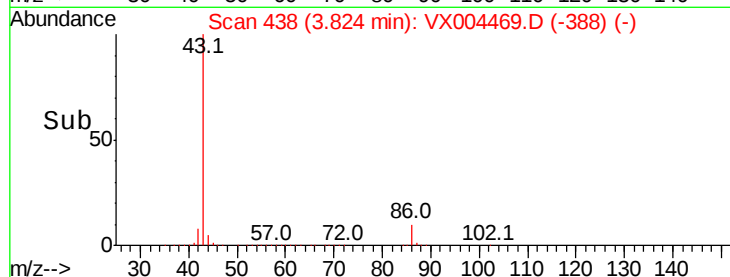
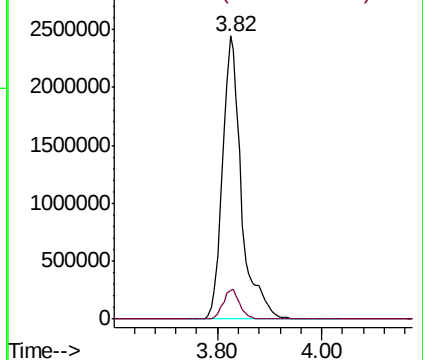
43 100

86 10.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 160.965 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

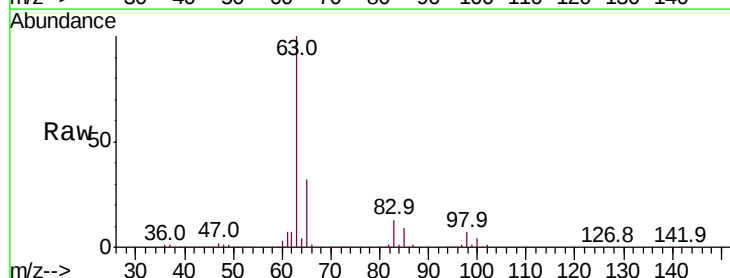
Tgt Ion: 63 Resp: 835495

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

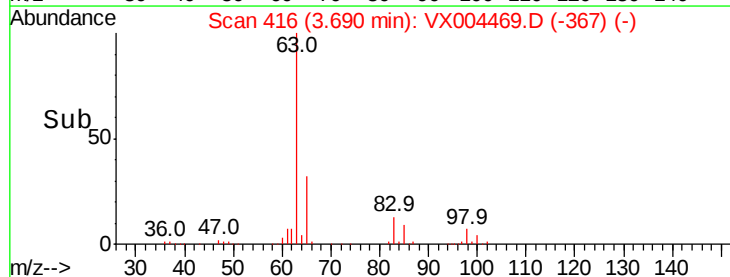
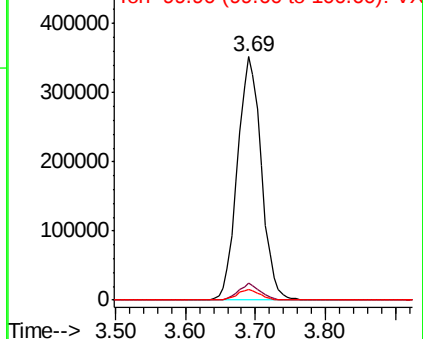
100 4.3 2.4 7.1

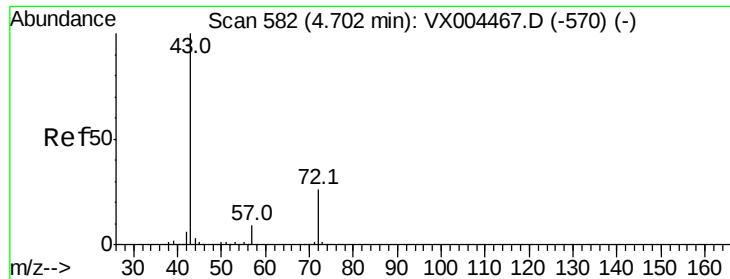


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 771.072 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

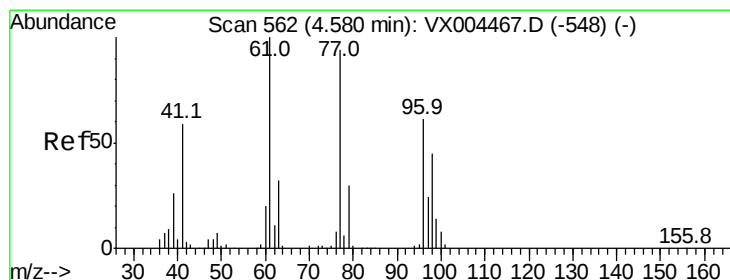
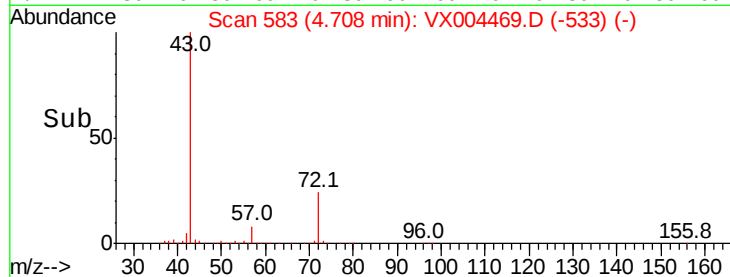
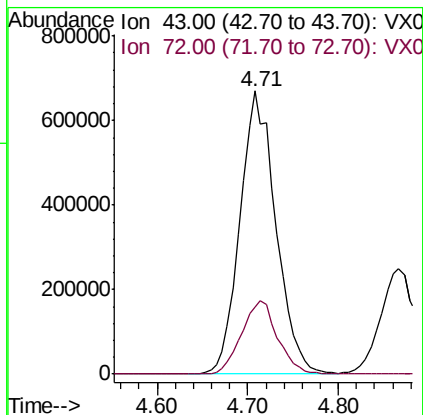
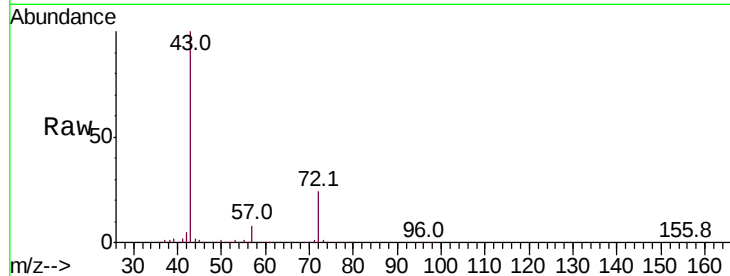
VSTDIC150

Tot Ion: 43 Resp: 1835167

Ion Ratio Lower Upper

43 100

72 23.8 22.0 33.0



#26

2,2-Dichloropropane

Concen: 158.573 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004469.D

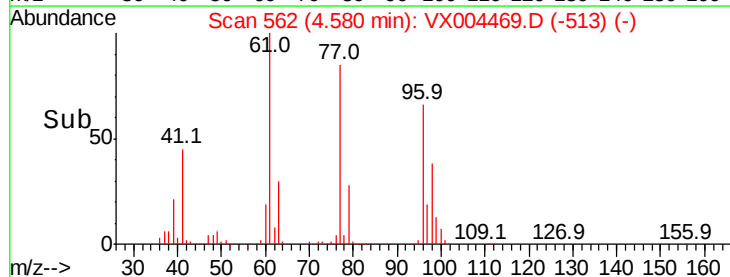
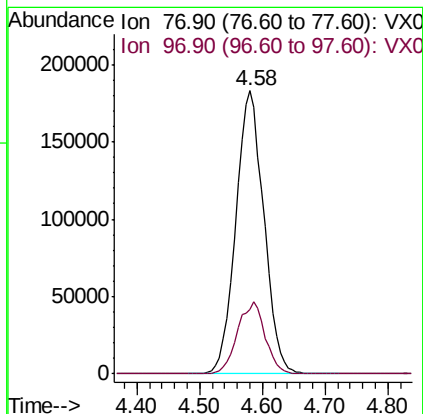
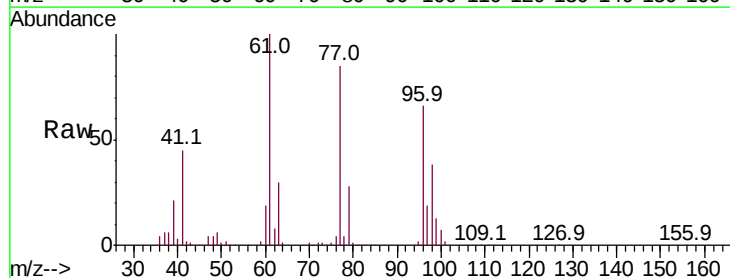
Acq: 11 Sep 2018 14:47

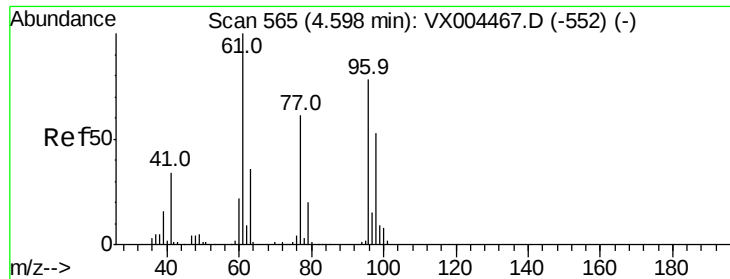
Tgt Ion: 77 Resp: 565316

Ion Ratio Lower Upper

77 100

97 25.2 11.7 35.0



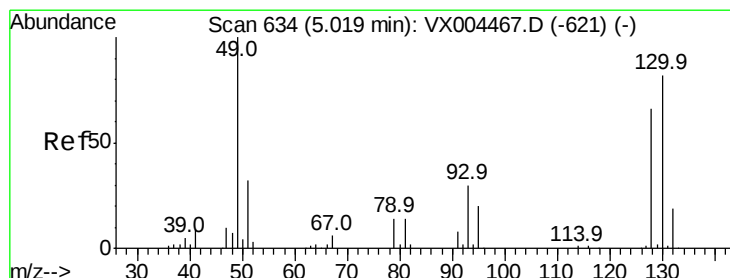
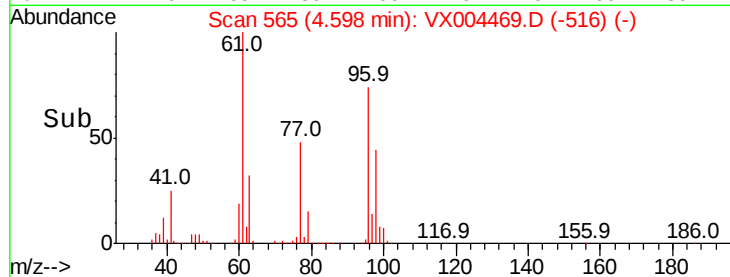
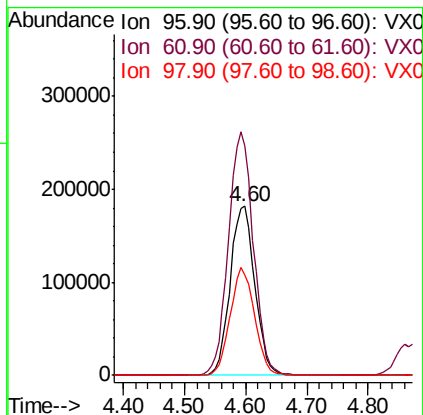
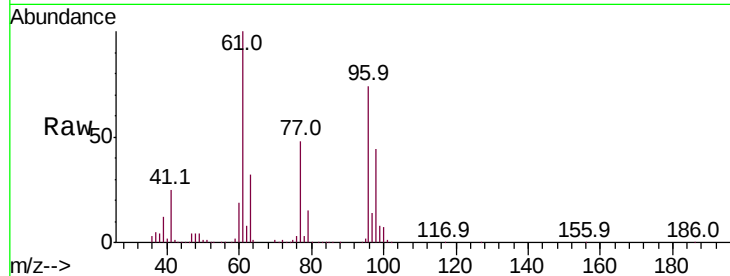


#27

cis-1,2-Dichloroethene
 Concen: 163.958 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

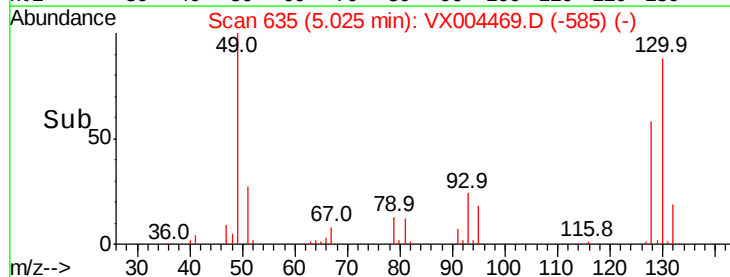
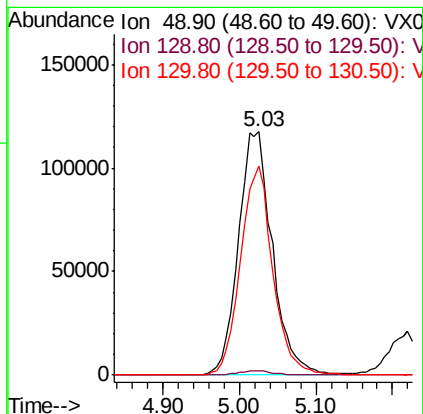
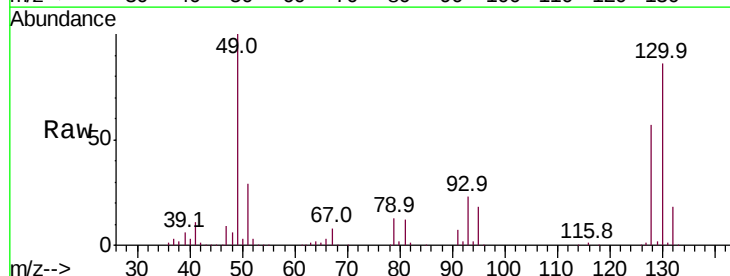
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	282.6
98	63.2	0.0	130.2

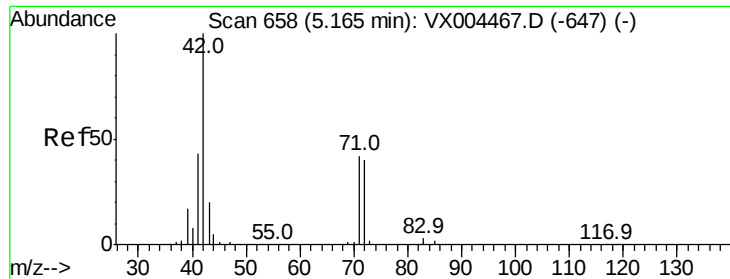


#28

Bromochloromethane
 Concen: 152.817 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	81.5	67.5	101.3





#29

Tetrahydrofuran

Concen: 821.812 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

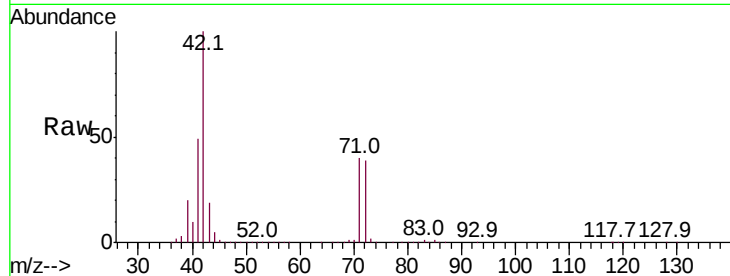
Tot Ion: 42 Resp: 1179542

Ion Ratio Lower Upper

42 100

72 44.4 37.4 56.0

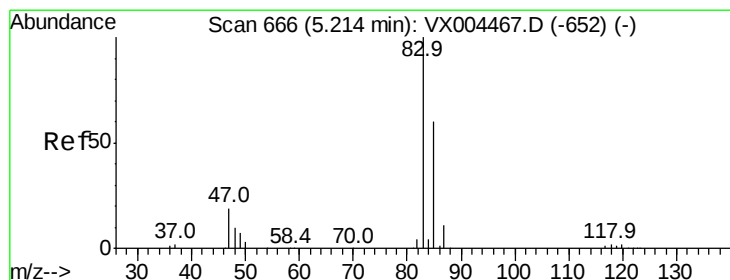
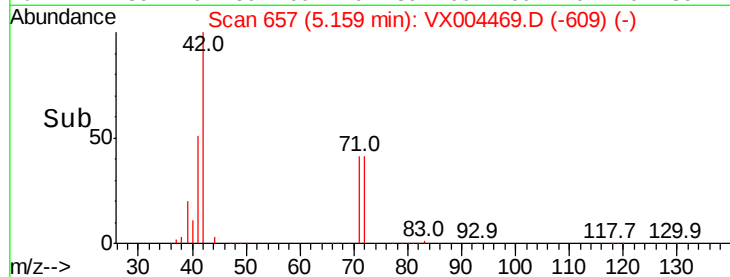
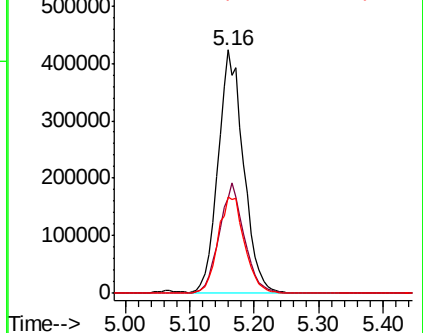
71 41.4 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 151.801 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004469.D

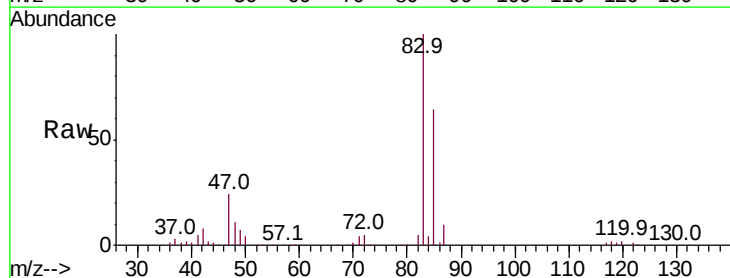
Acq: 11 Sep 2018 14:47

Tgt Ion: 83 Resp: 769250

Ion Ratio Lower Upper

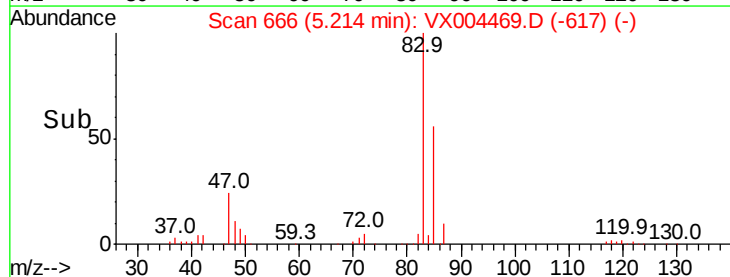
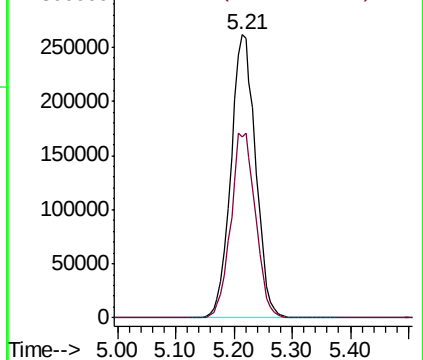
83 100

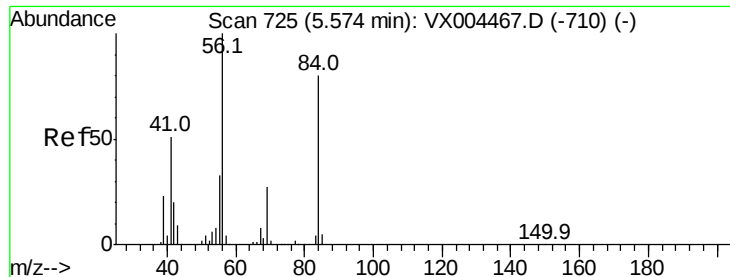
85 63.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

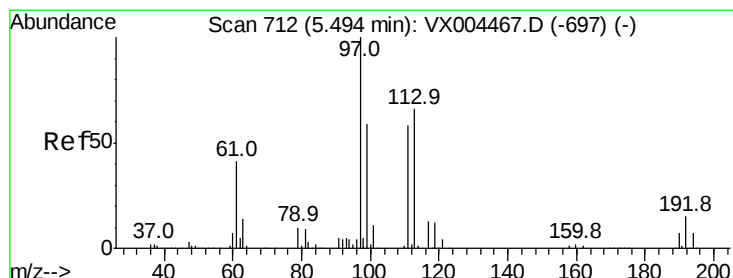
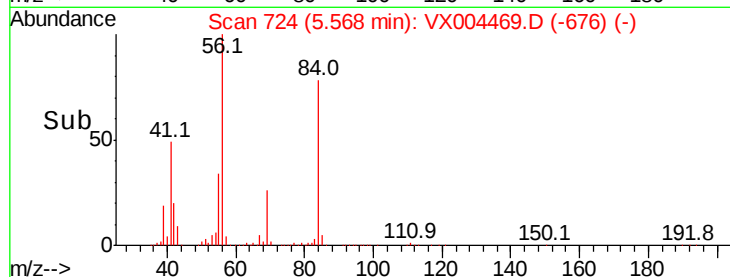
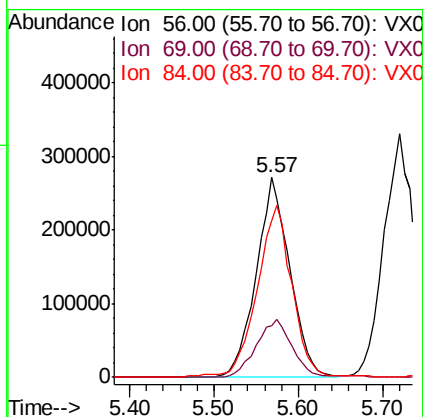
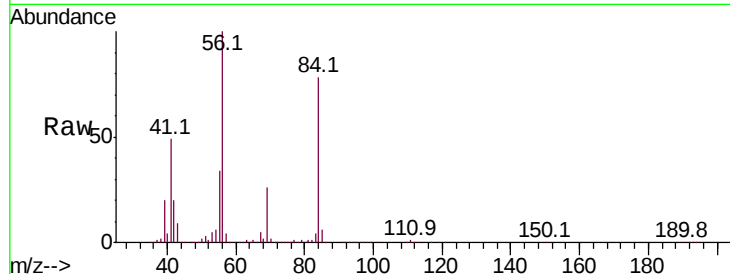




#31
Cyclohexane
Concen: 168.683 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

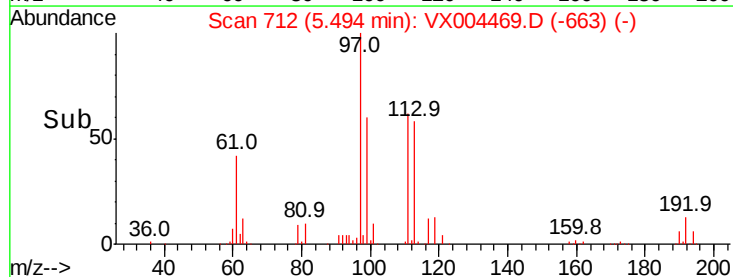
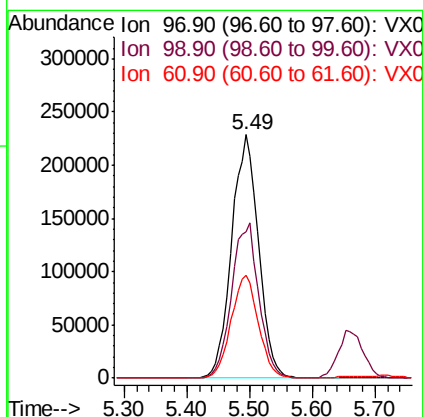
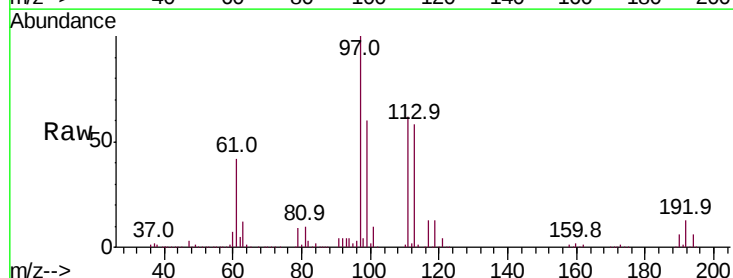
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

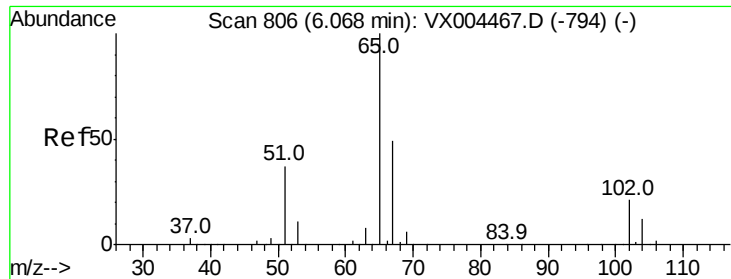
Tot Ion: 56 Resp: 747618
Ion Ratio Lower Upper
56 100
69 25.6 25.4 38.2
84 77.4 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 165.807 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 97 Resp: 676722
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 42.7 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 145.811 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

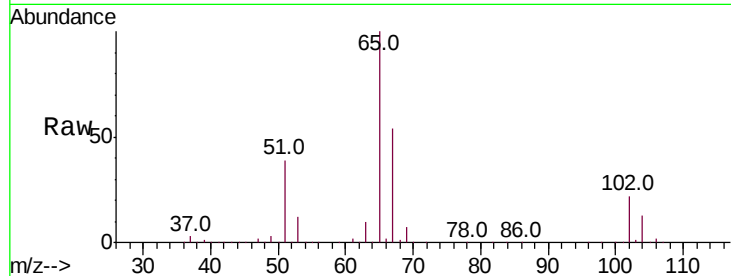
VSTDIC150

Tot Ion: 65 Resp: 446757

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

200000

150000

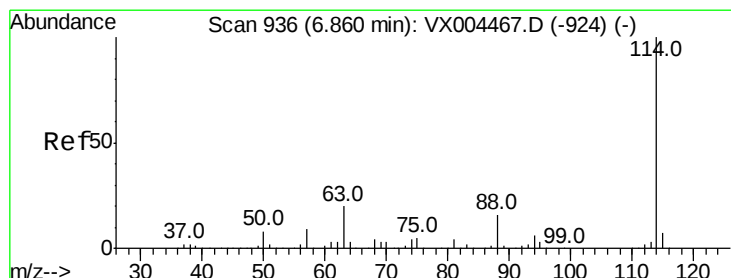
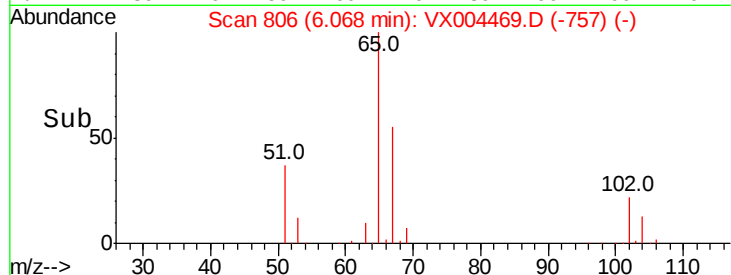
100000

50000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

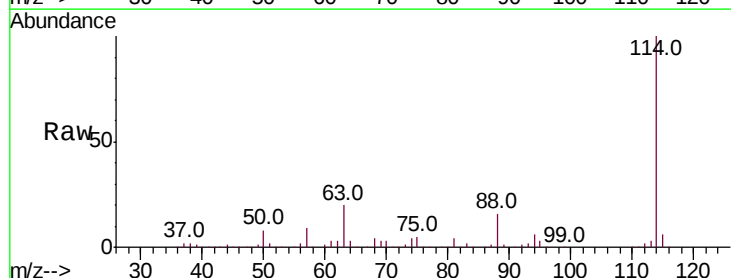
Tgt Ion: 114 Resp: 338966

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

88 15.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

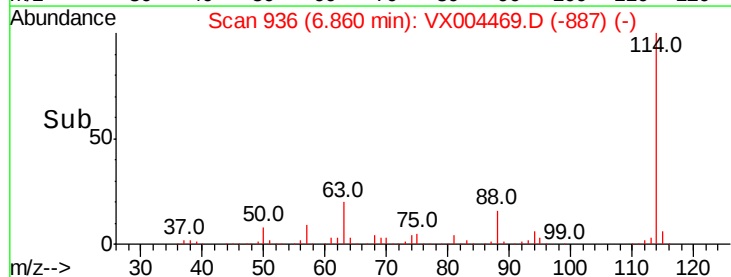
100000

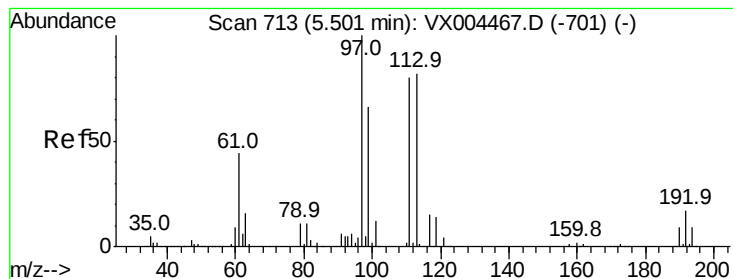
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 137.320 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

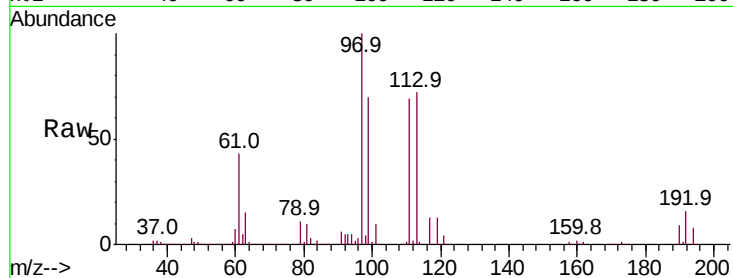
Tot Ion:113 Resp: 425945

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

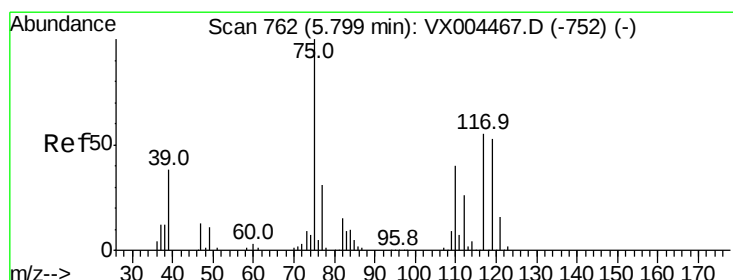
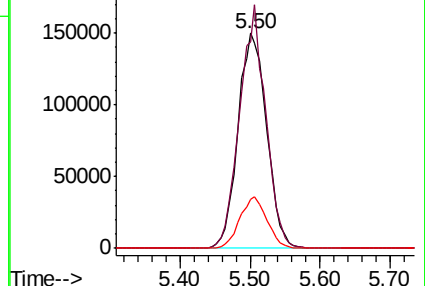
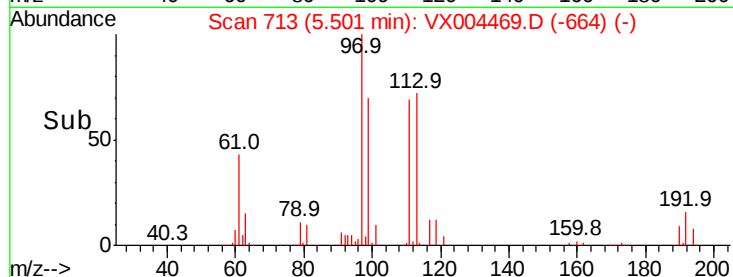
192 22.9 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 139.253 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

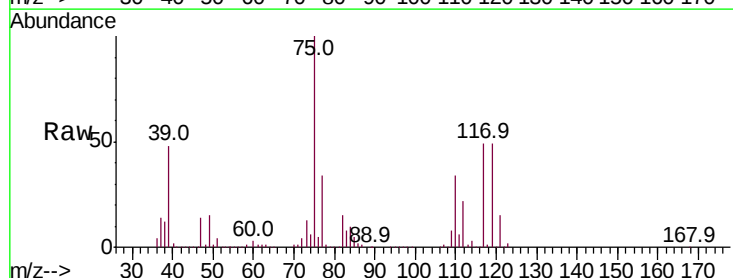
Tgt Ion: 75 Resp: 573060

Ion Ratio Lower Upper

75 100

110 35.9 18.0 54.0

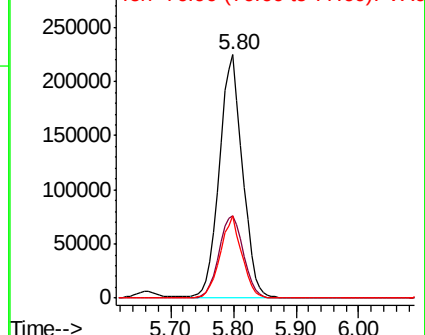
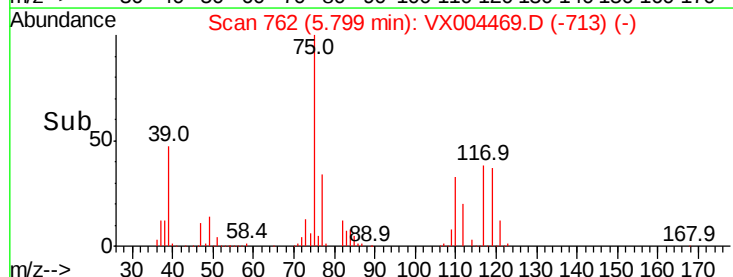
77 31.6 24.6 36.8

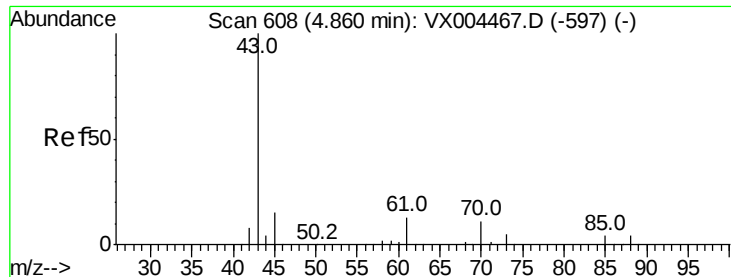


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

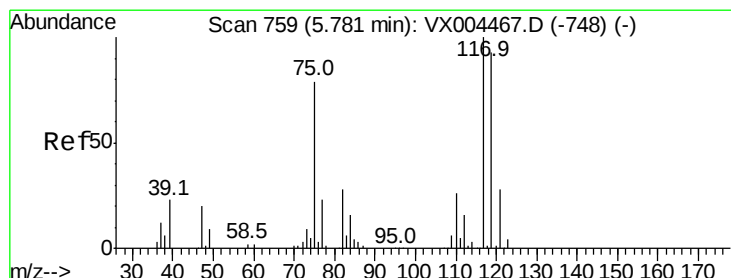
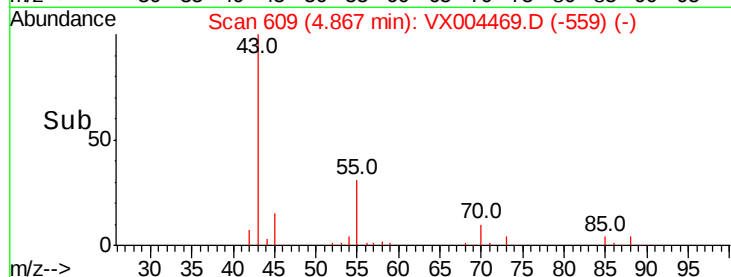
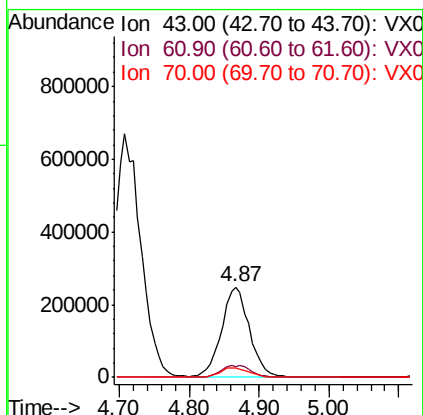
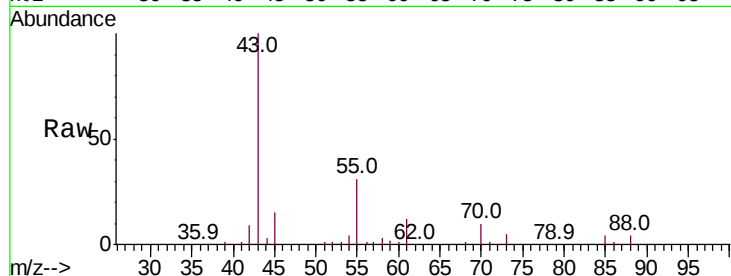




#37
Ethyl Acetate
Concen: 146.555 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

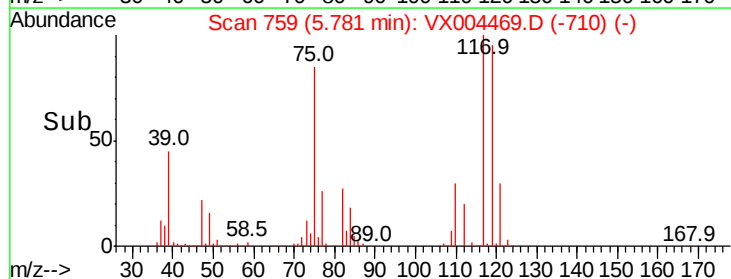
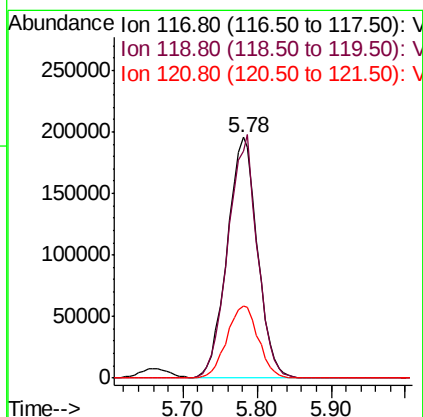
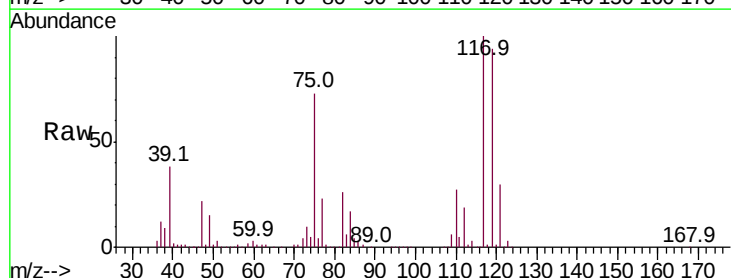
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

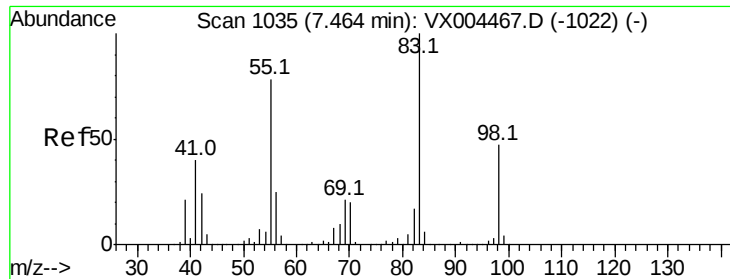
Tot Ion: 43 Resp: 685937
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 11.0 9.0 13.6



#38
Carbon Tetrachloride
Concen: 138.336 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 117 Resp: 556033
Ion Ratio Lower Upper
117 100
119 94.0 78.8 118.2
121 30.0 24.9 37.3

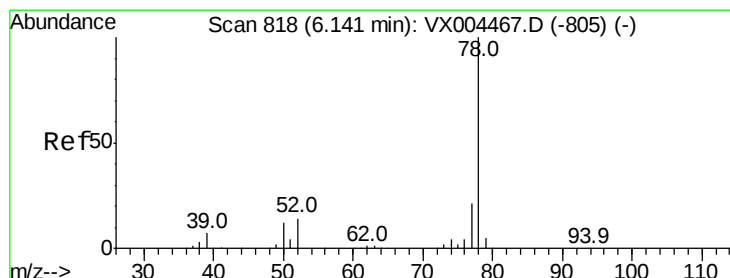
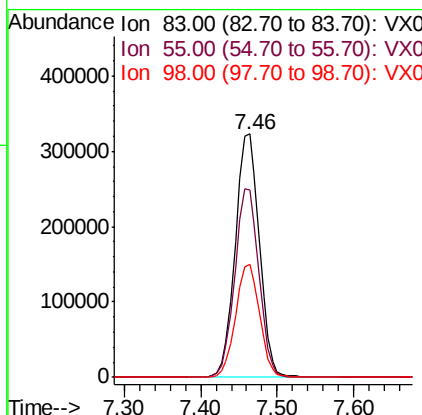
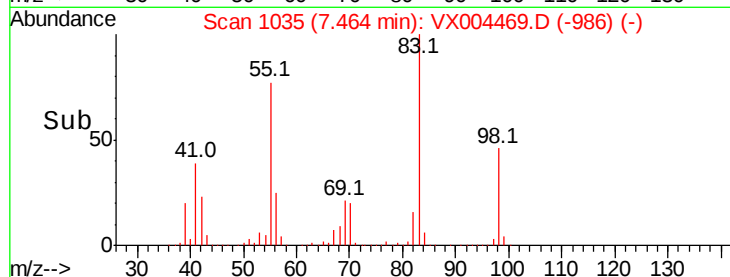
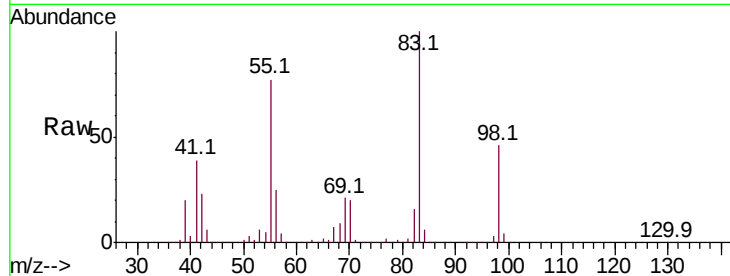




#39
Methvlcvclohexane
Concen: 164.054 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

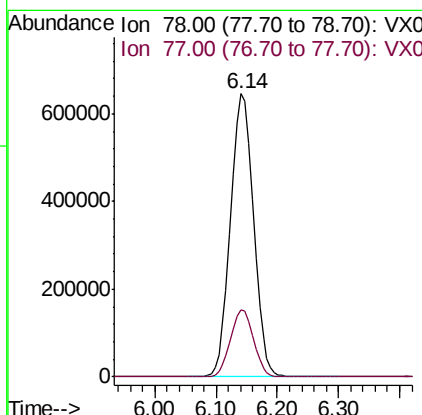
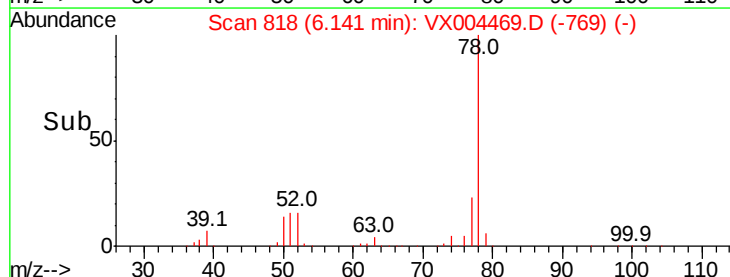
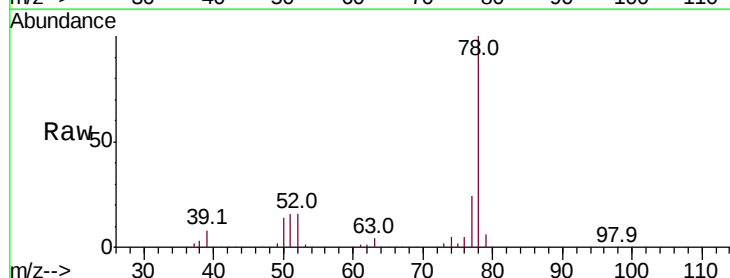
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

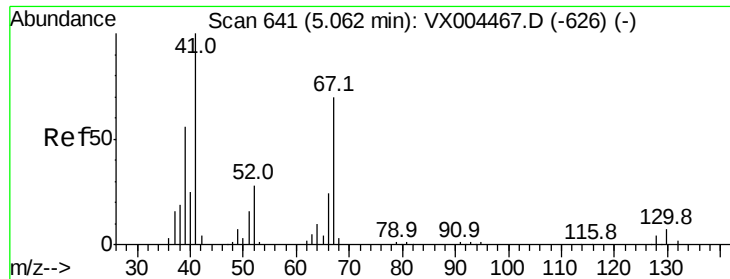
Tot Ion: 83 Resp: 704507
Ion Ratio Lower Upper
83 100
55 77.1 61.0 91.4
98 46.3 39.6 59.4



#40
Benzene
Concen: 137.068 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 78 Resp: 1673611
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 154.035 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 397226

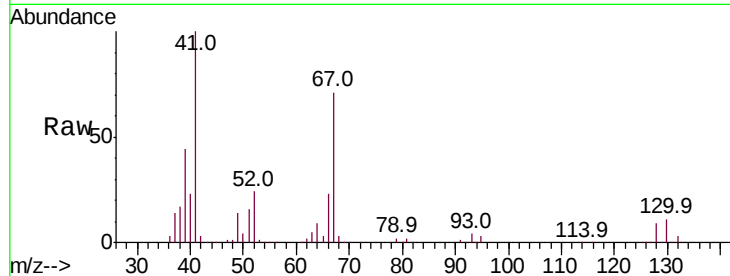
Ion Ratio Lower Upper

41 100

39 50.6 42.4 63.6

67 72.0 59.2 88.8

52 27.8 23.0 34.4

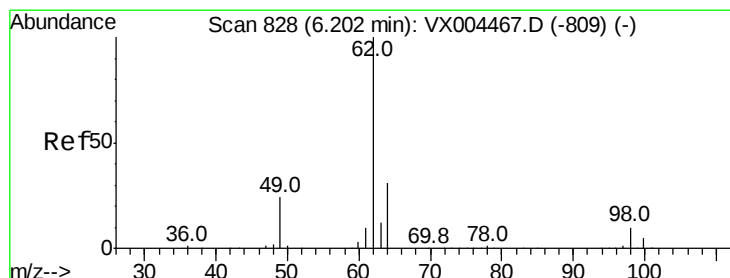
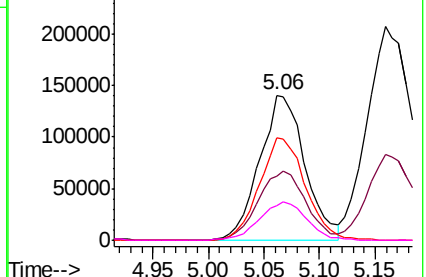
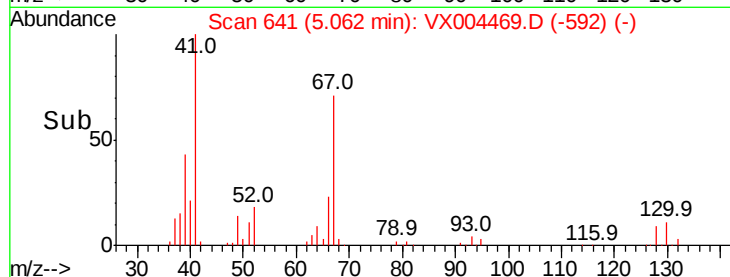


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 136.626 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX004469.D

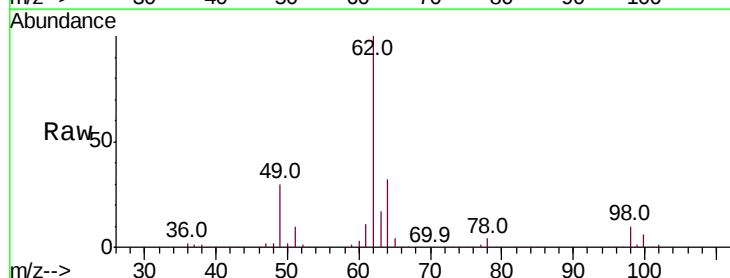
Acq: 11 Sep 2018 14:47

Tgt Ion: 62 Resp: 553292

Ion Ratio Lower Upper

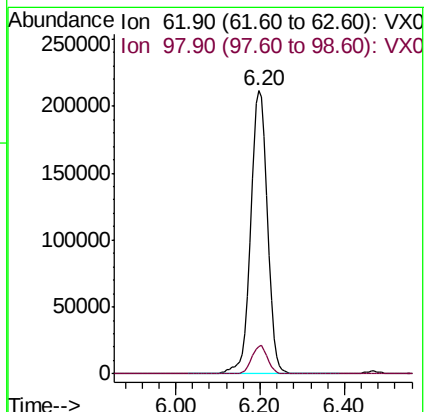
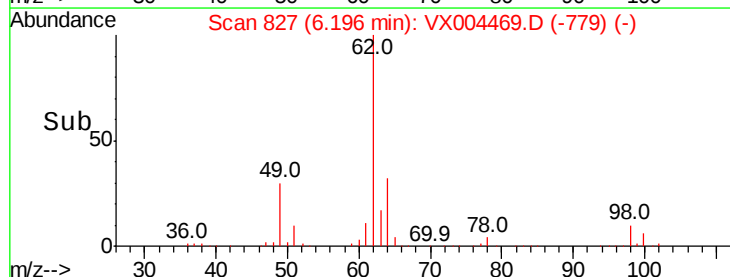
62 100

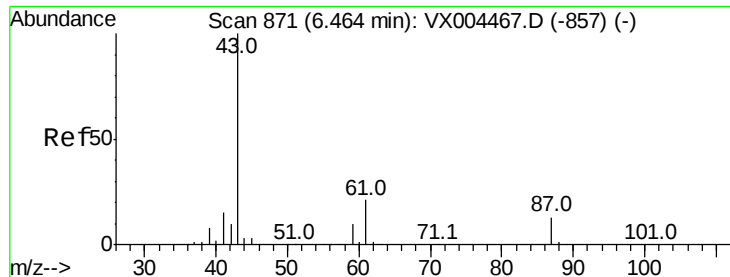
98 9.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



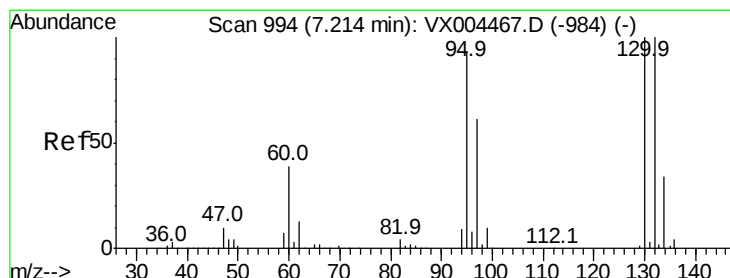
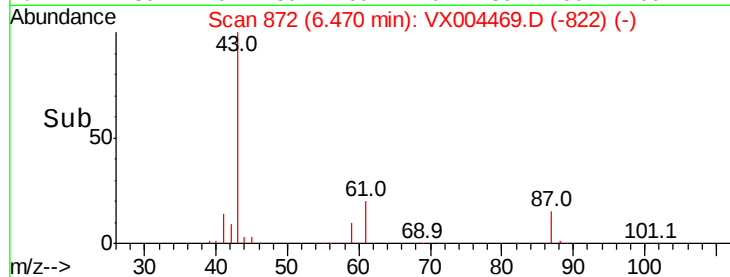
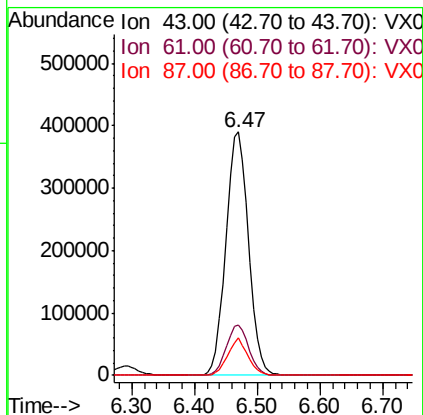
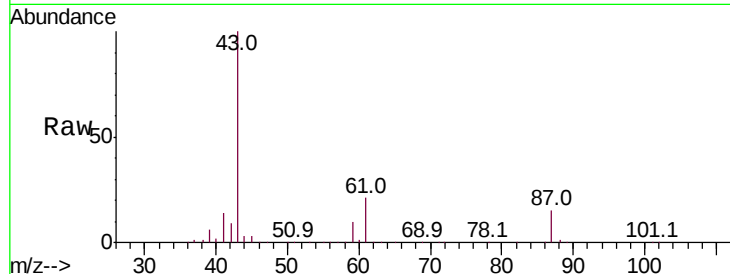


#43

Isopropyl Acetate
 Concen: 156.243 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

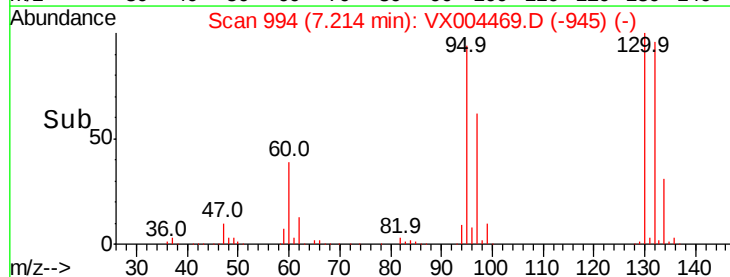
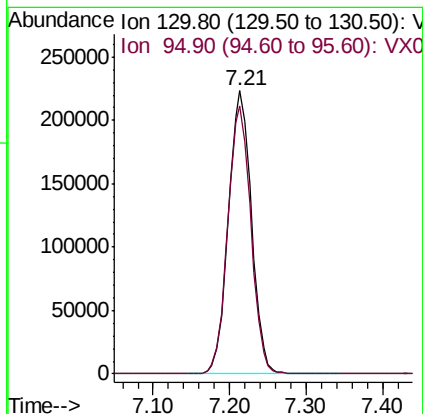
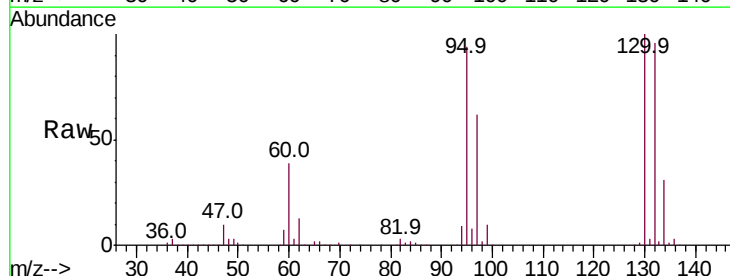
Tot Ion	43	61	87
Resp	971288		
Ratio	100	20.6	13.5
Lower		17.0	11.4
Upper		25.4	17.2

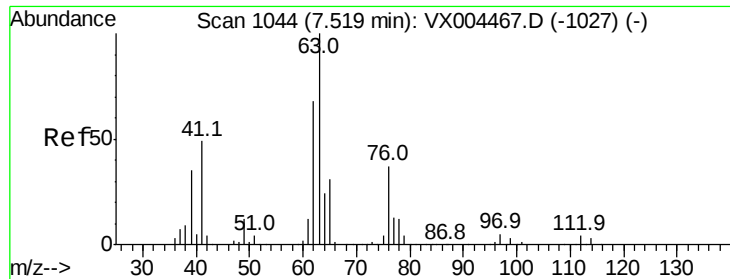


#44

Trichloroethene
 Concen: 146.770 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	130	95
Resp	465580	
Ratio	100	94.5
Lower		0.0
Upper		181.6





#45

1,2-Dichloropropane

Concen: 148.775 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

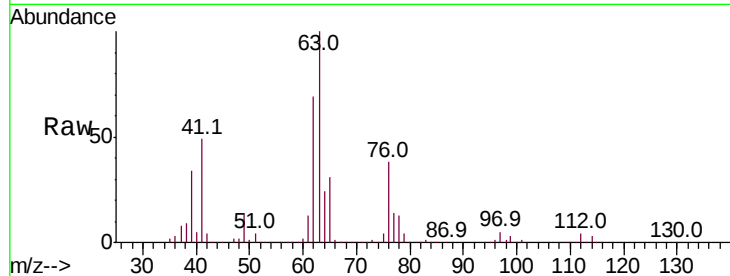
VSTDIC150

Tot Ion: 63 Resp: 437109

Ion Ratio Lower Upper

63 100

65 31.1 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

250000

200000

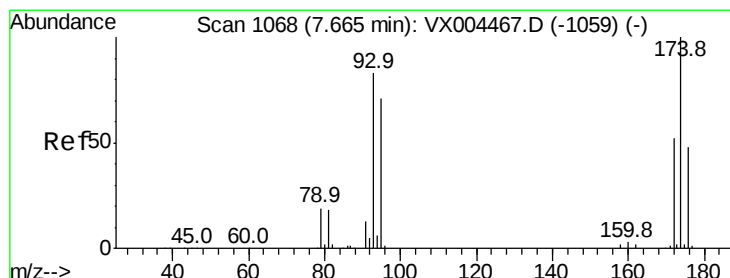
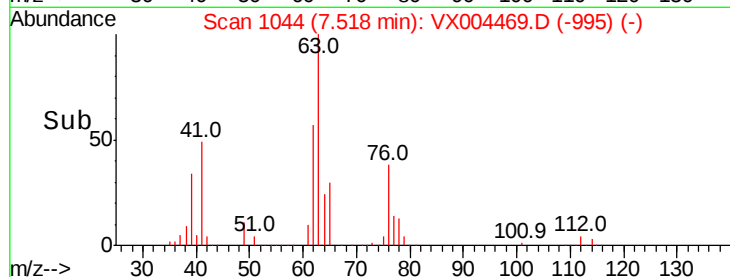
150000

100000

50000

0

Time--> 7.40 7.50 7.60



#46

Dibromomethane

Concen: 149.833 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

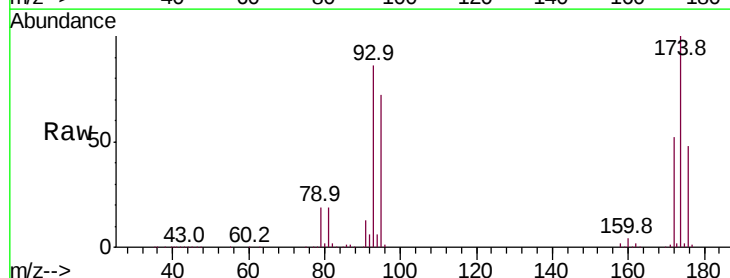
Tgt Ion: 93 Resp: 278106

Ion Ratio Lower Upper

93 100

95 83.9 65.5 98.3

174 115.8 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

200000

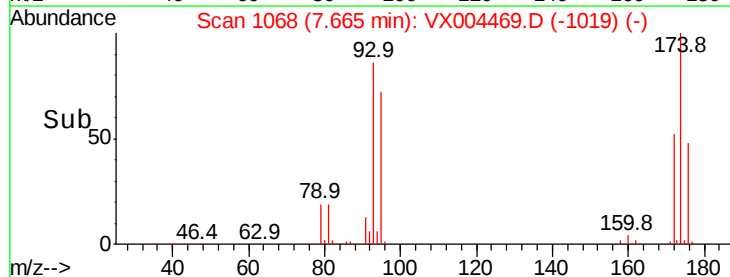
150000

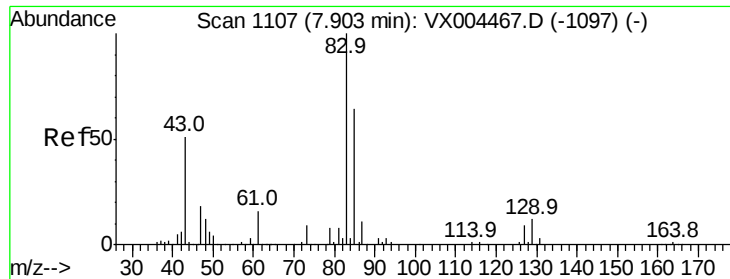
100000

50000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 156.670 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

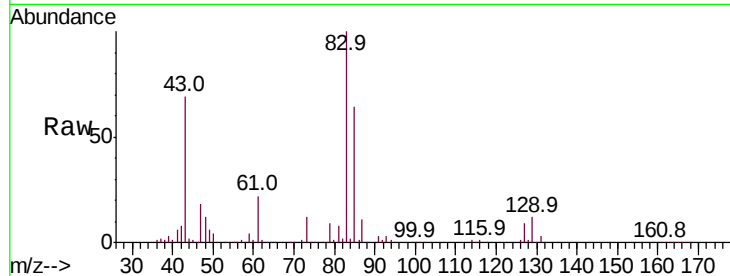
Tot Ion: 83 Resp: 549928

Ion Ratio Lower Upper

83 100

85 64.0 50.9 76.3

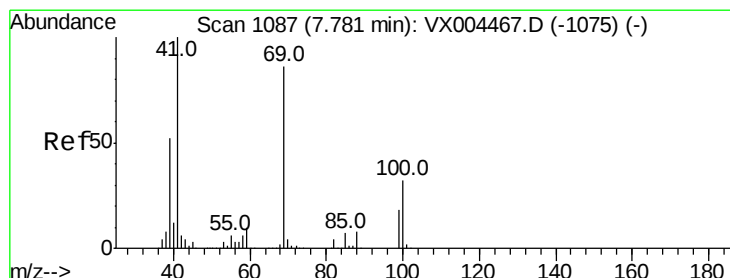
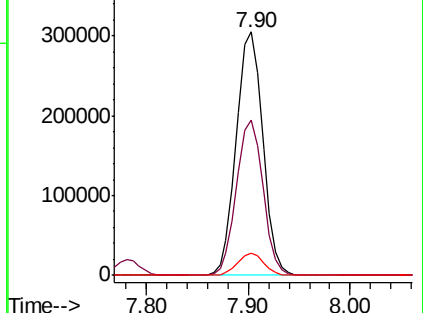
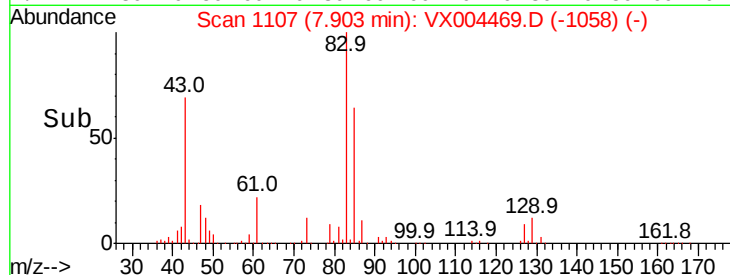
127 8.9 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 165.952 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

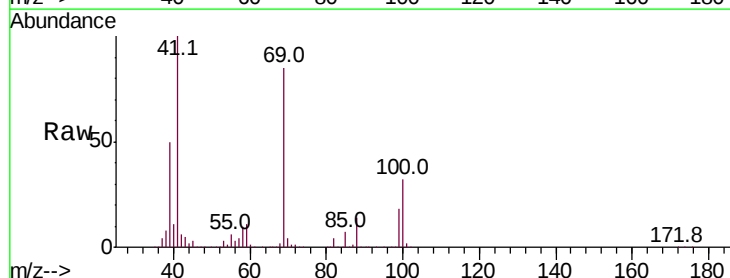
Tgt Ion: 41 Resp: 510558

Ion Ratio Lower Upper

41 100

69 85.3 70.2 105.4

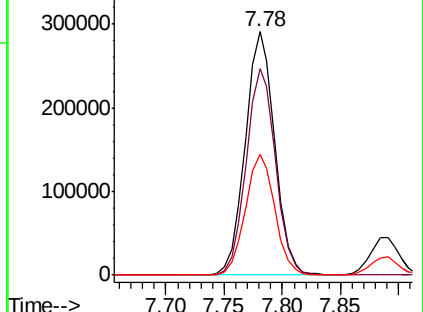
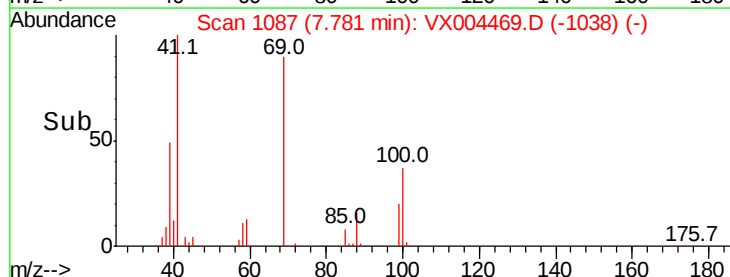
39 49.9 42.7 64.1

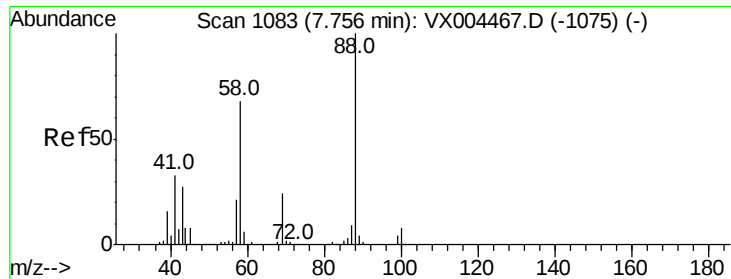


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 3160.946 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

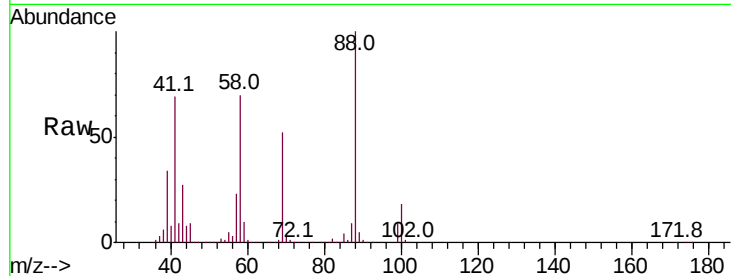
Tot Ion: 88 Resp: 230167

Ion Ratio Lower Upper

88 100

43 30.1 24.7 37.1

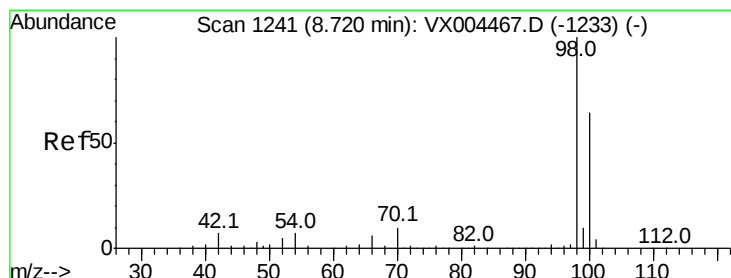
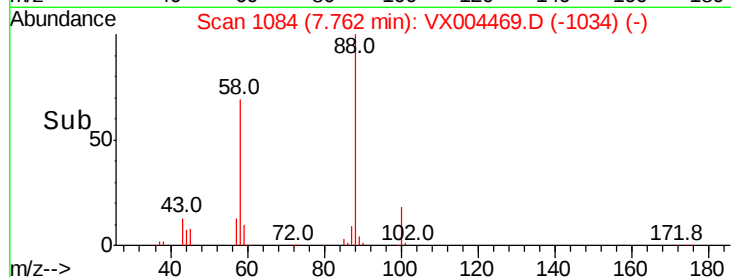
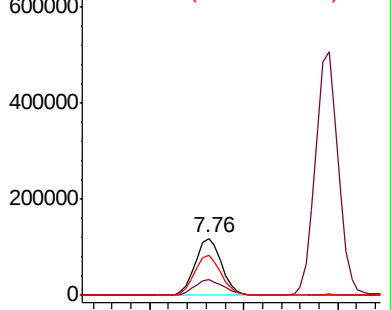
58 71.1 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 145.402 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004469.D

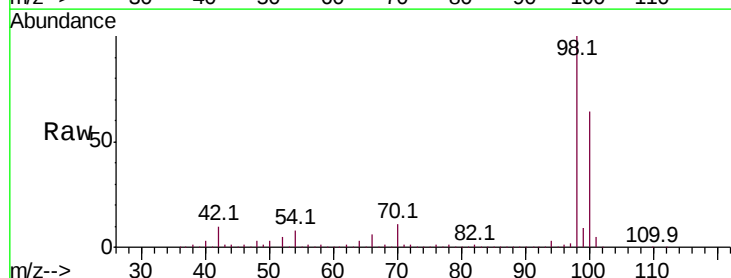
Acq: 11 Sep 2018 14:47

Tgt Ion: 98 Resp: 1512486

Ion Ratio Lower Upper

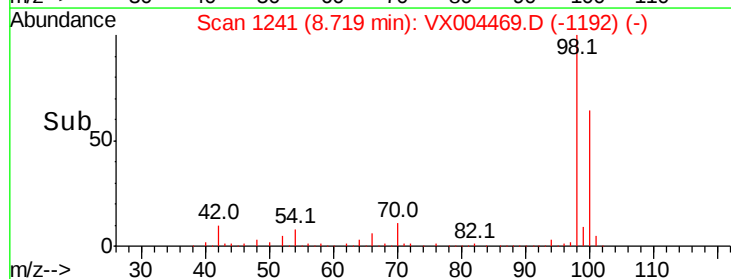
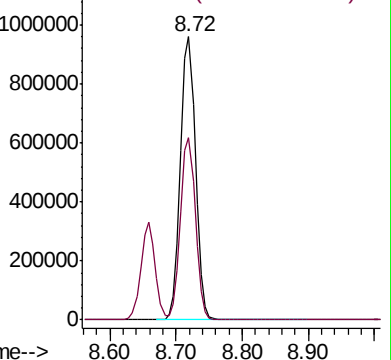
98 100

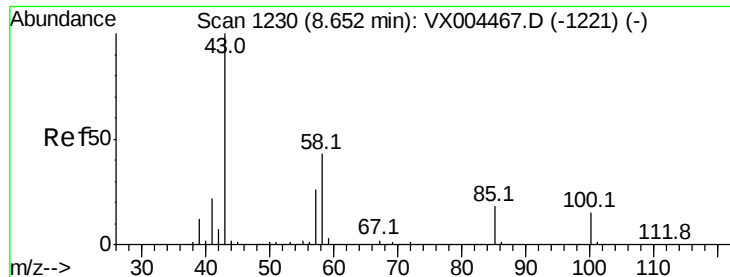
100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 745.078 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

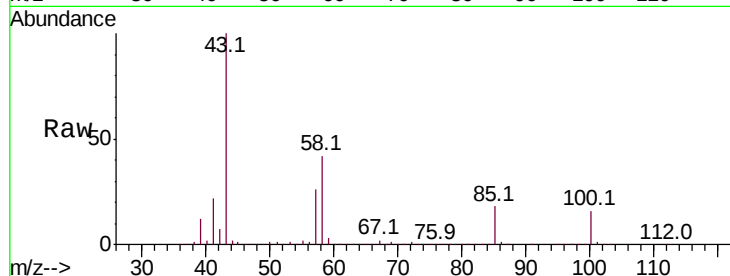
VSTDIC150

Tot Ion: 43 Resp: 3268670

Ion Ratio Lower Upper

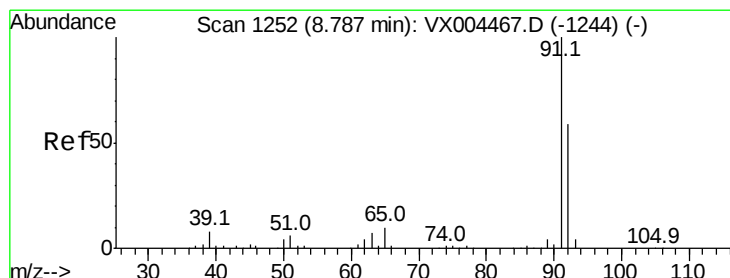
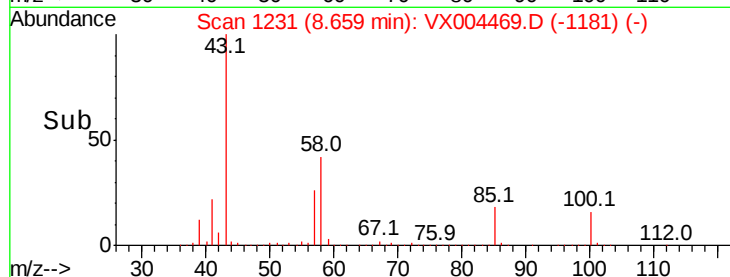
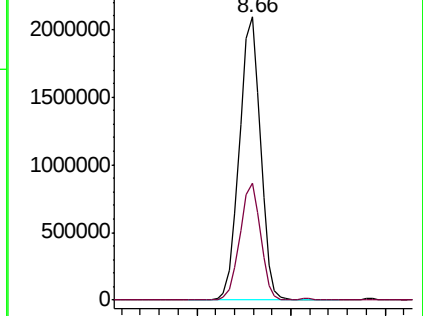
43 100

58 40.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 146.958 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004469.D

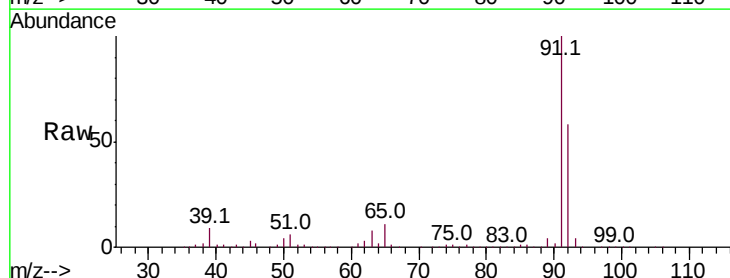
Acq: 11 Sep 2018 14:47

Tgt Ion: 92 Resp: 1057192

Ion Ratio Lower Upper

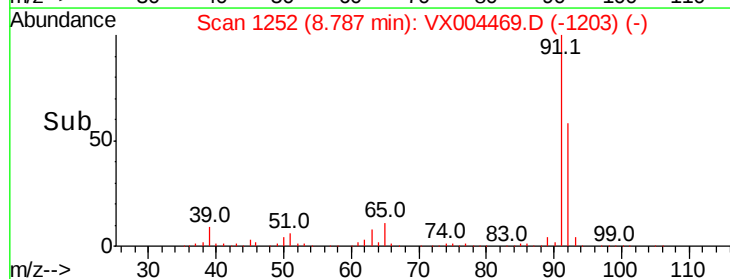
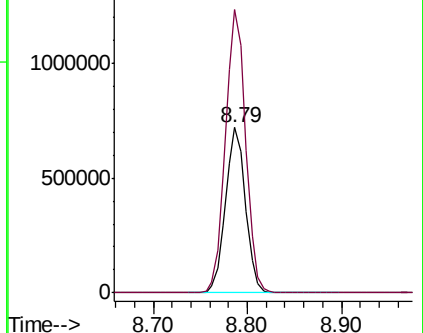
92 100

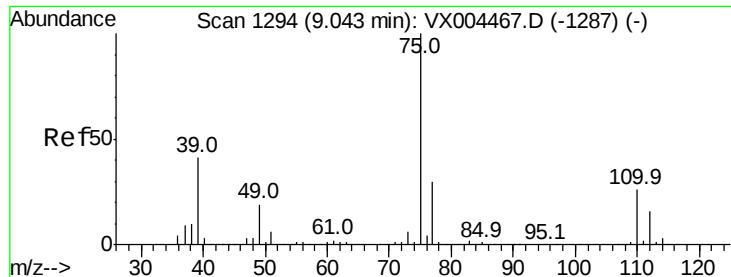
91 173.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 157.919 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

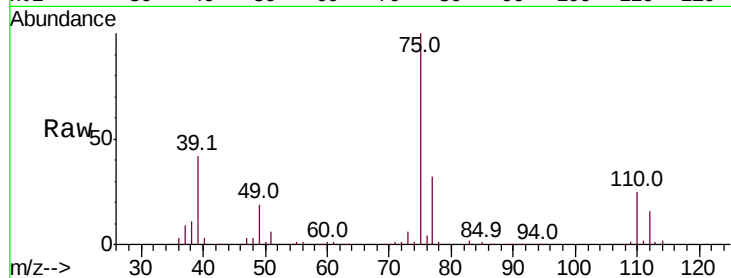
VSTDIC150

Tot Ion: 75 Resp: 647518

Ion Ratio Lower Upper

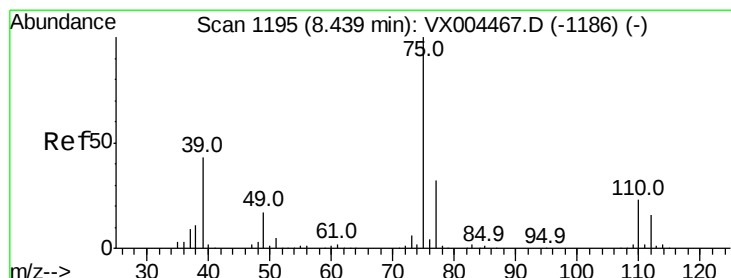
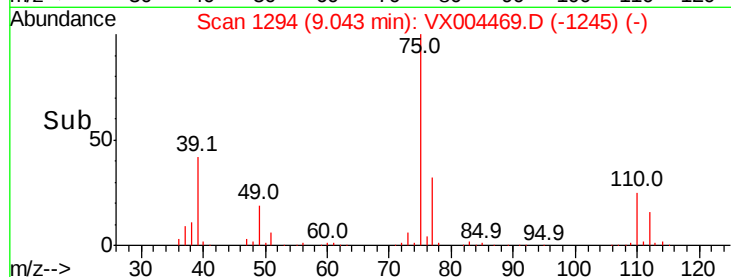
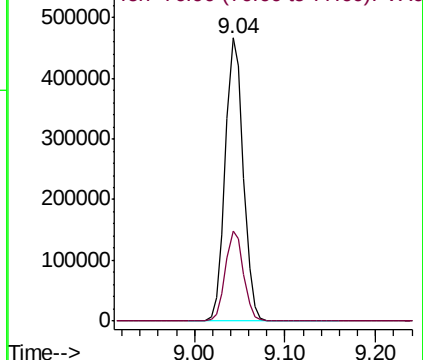
75 100

77 31.6 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 164.534 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

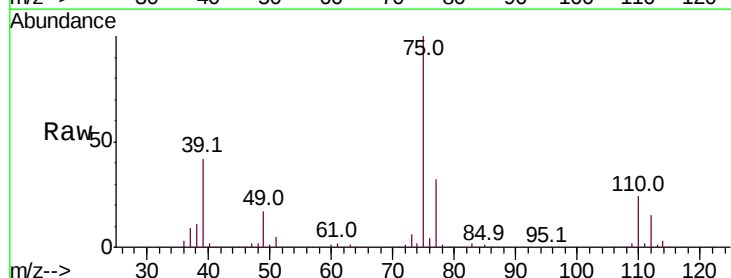
Tgt Ion: 75 Resp: 687723

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

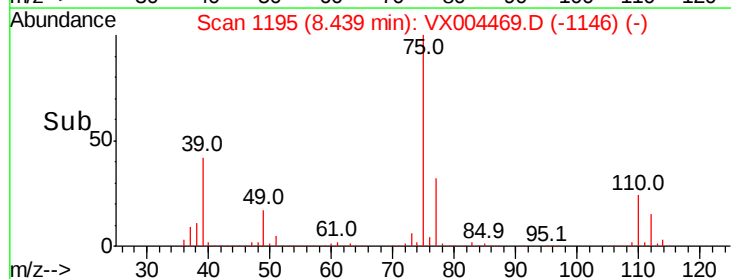
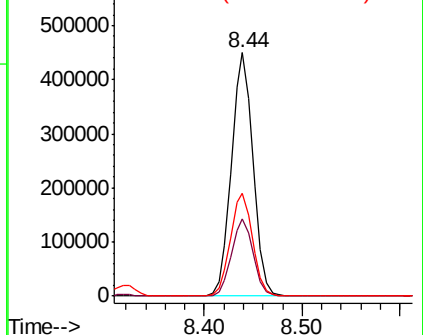
39 42.1 36.4 54.6

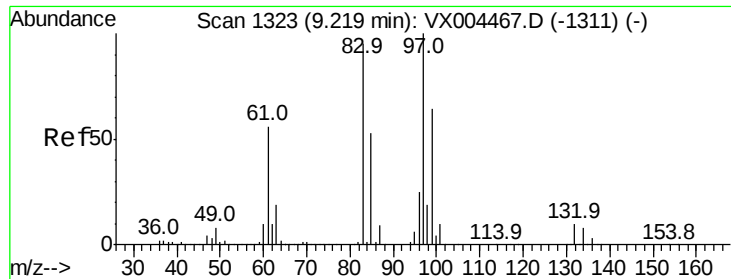


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

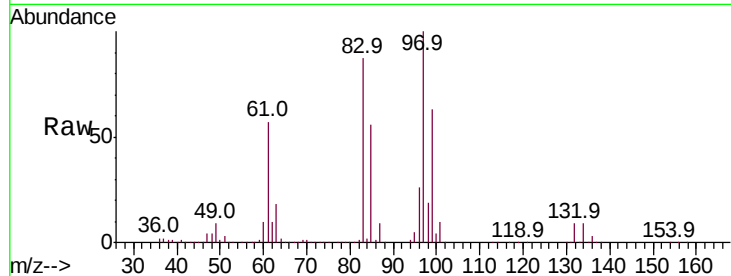




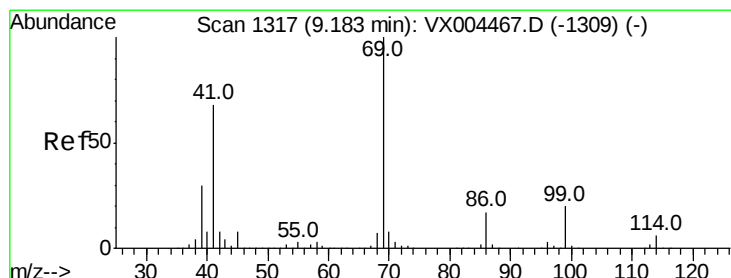
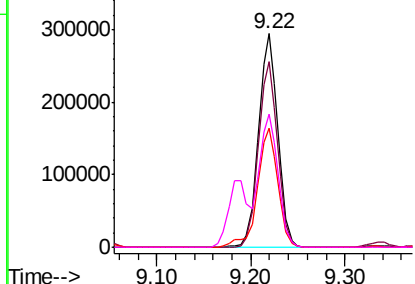
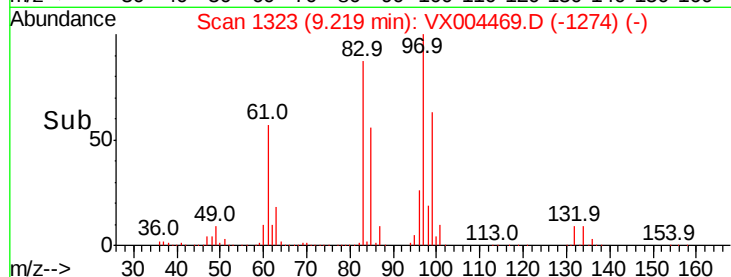
#55
 1,1,2-Trichloroethane
 Concen: 137.318 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	425341
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.4	99.6
85	55.7	43.3	64.9
99	62.6	49.0	73.4

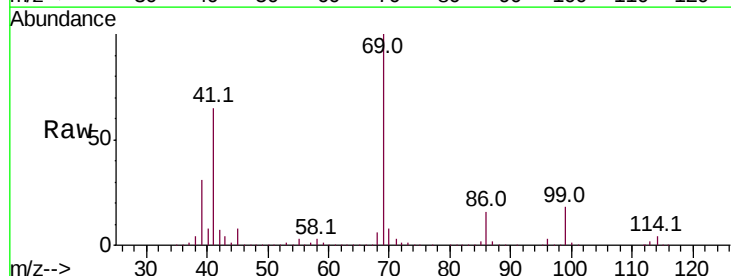


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

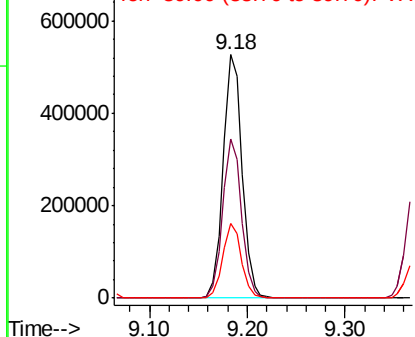
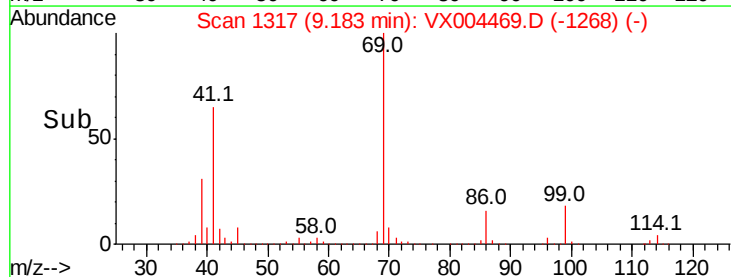


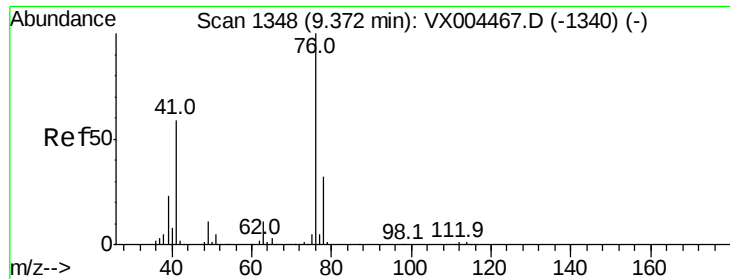
#56
 Ethyl methacrylate
 Concen: 161.495 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion:	69	Resp:	707670
Ion	Ratio	Lower	Upper
69	100		
41	64.7	51.0	76.4
39	30.1	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 142.782 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

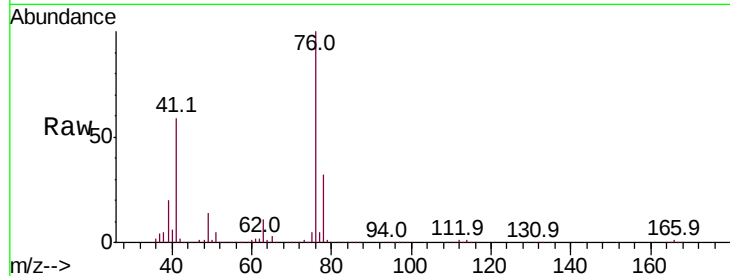
VSTDIC150

Tot Ion: 76 Resp: 718600

Ion Ratio Lower Upper

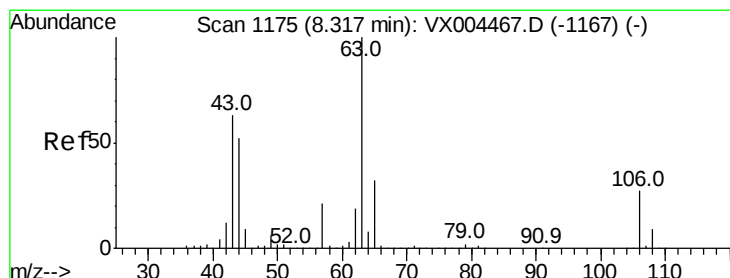
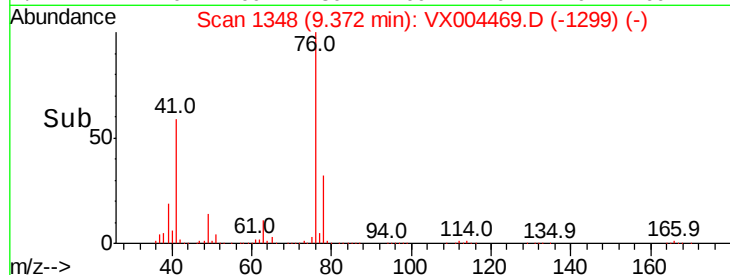
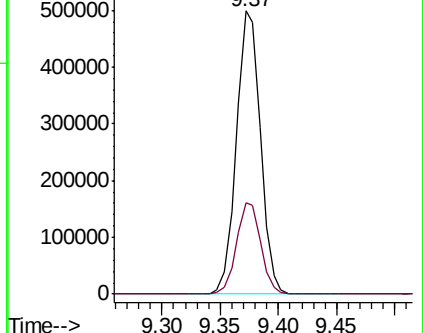
76 100

78 32.3 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 866.048 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX004469.D

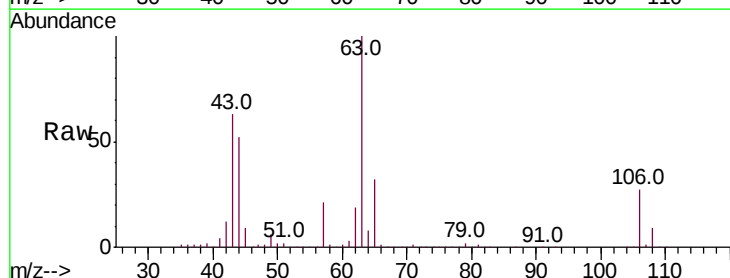
Acq: 11 Sep 2018 14:47

Tgt Ion: 63 Resp: 1741014

Ion Ratio Lower Upper

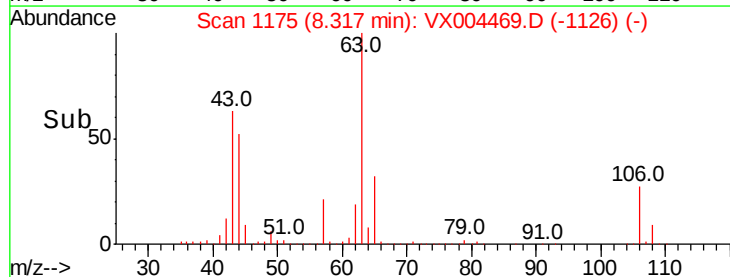
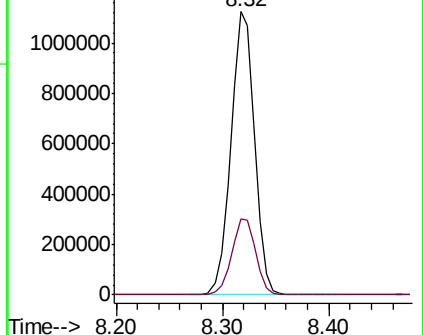
63 100

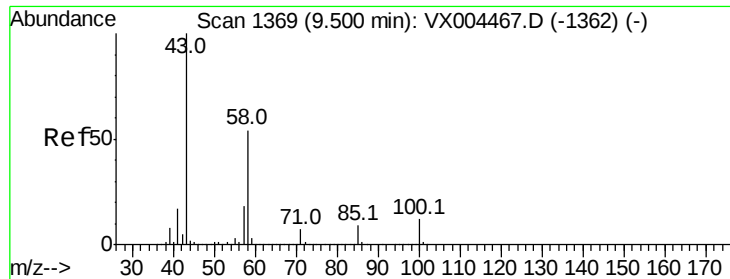
106 27.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 753.124 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

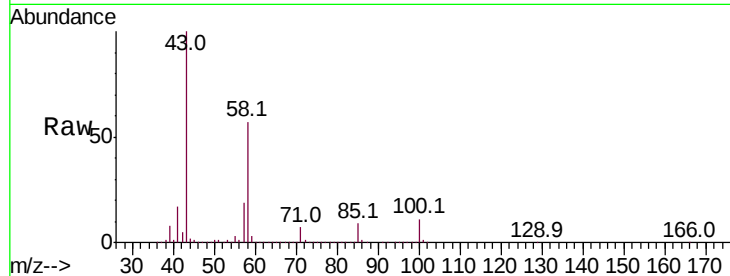
VSTDIC150

Tot Ion: 43 Resp: 2534255

Ion Ratio Lower Upper

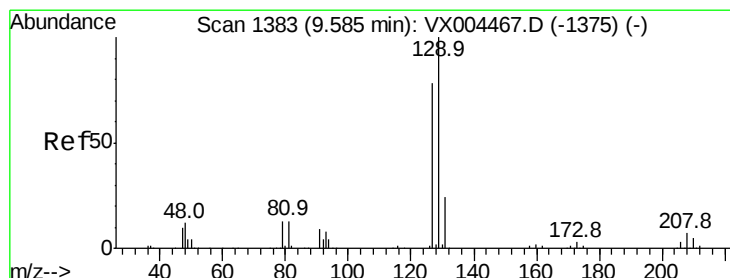
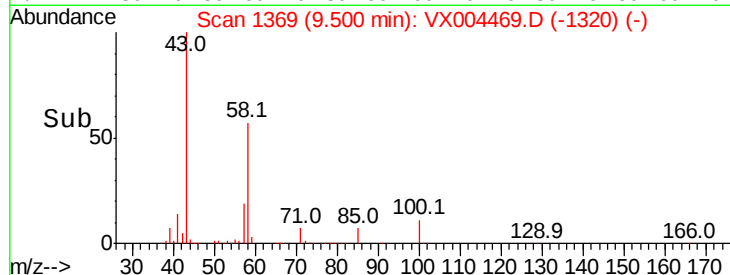
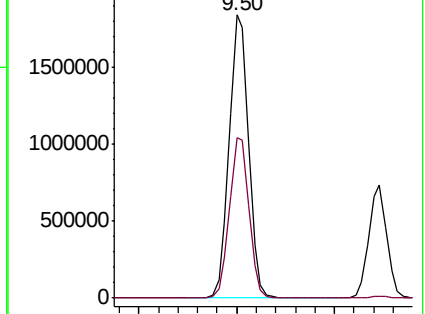
43 100

58 57.0 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 158.528 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX004469.D

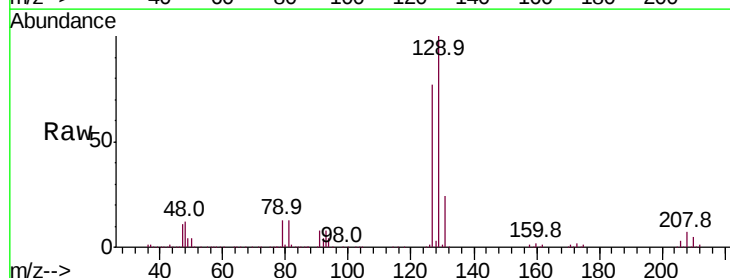
Acq: 11 Sep 2018 14:47

Tgt Ion:129 Resp: 462288

Ion Ratio Lower Upper

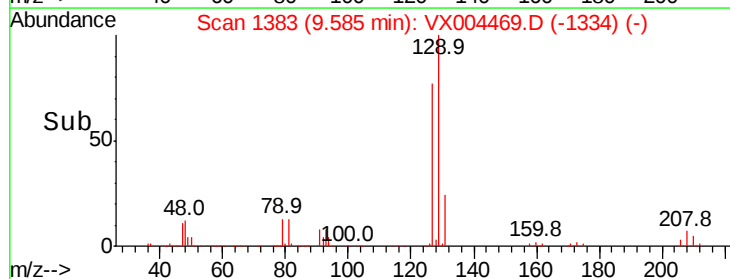
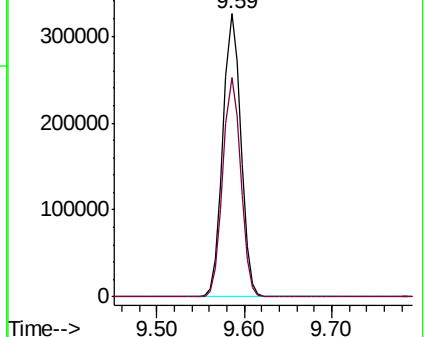
129 100

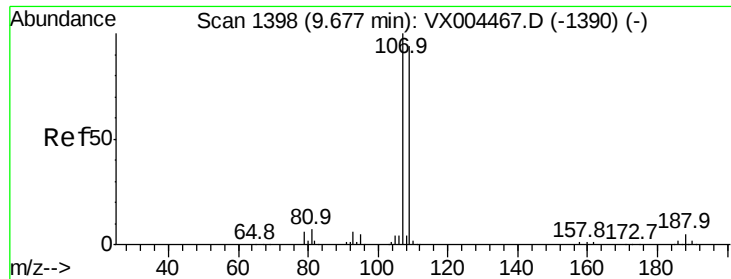
127 77.2 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 152.431 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

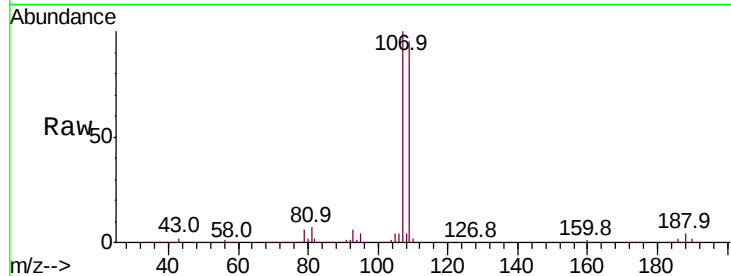
VSTDIC150

Tot Ion:107 Resp: 451045

Ion Ratio Lower Upper

107 100

109 94.2 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

300000

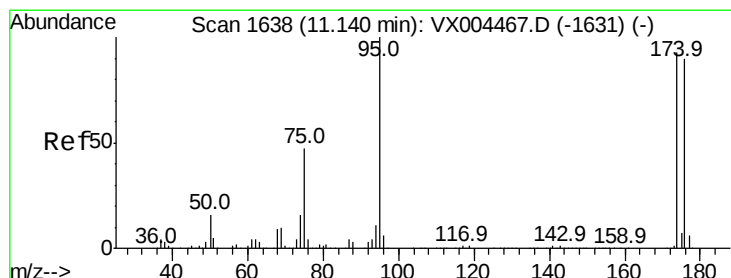
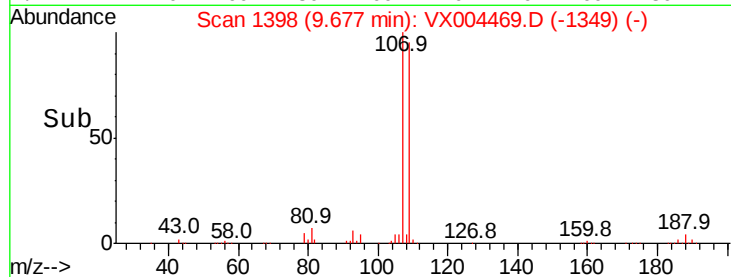
200000

100000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 159.376 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

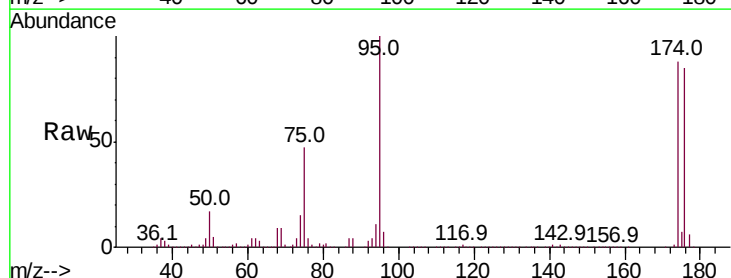
Tgt Ion: 95 Resp: 591780

Ion Ratio Lower Upper

95 100

174 90.6 0.0 185.2

176 88.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

500000

400000

300000

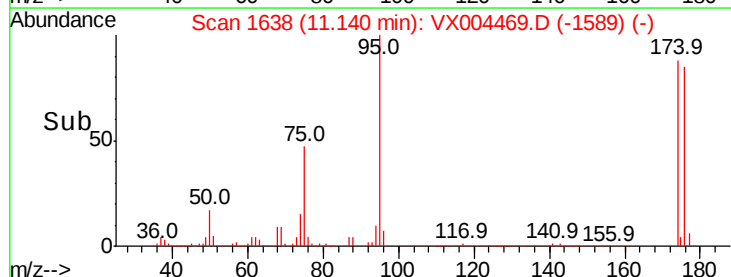
200000

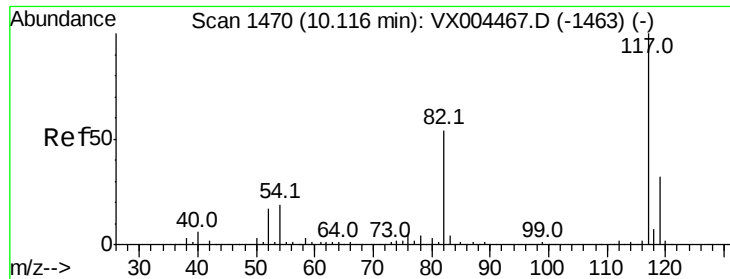
100000

0

Time-->

11.10 11.20

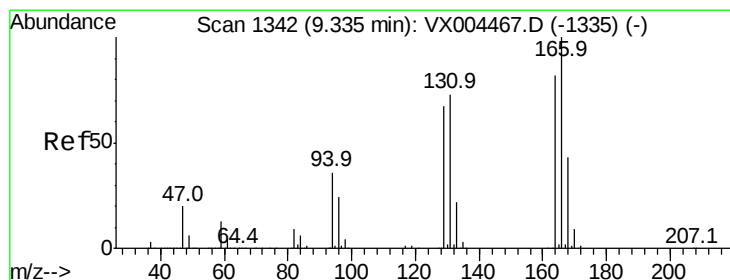
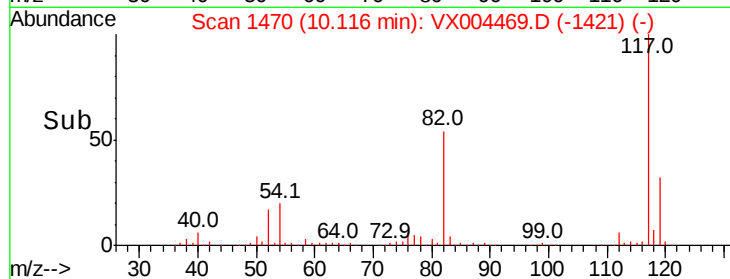
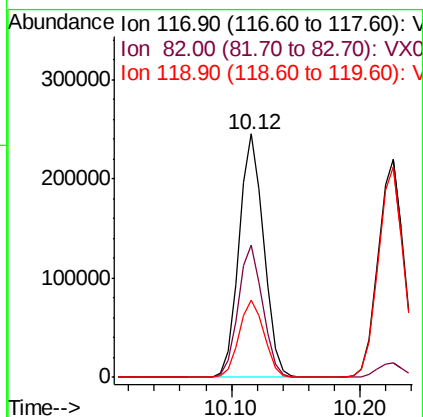
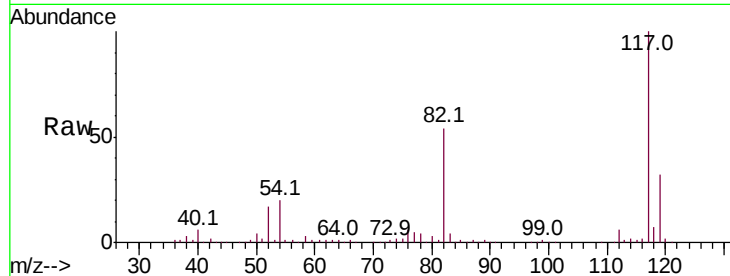




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

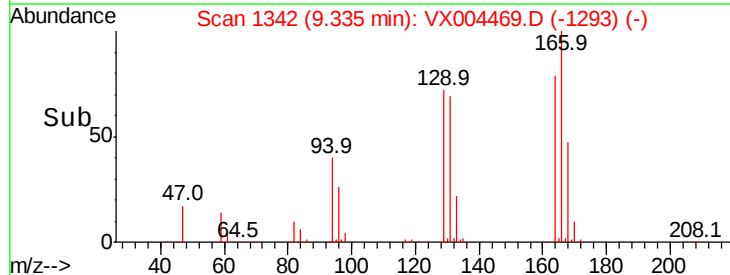
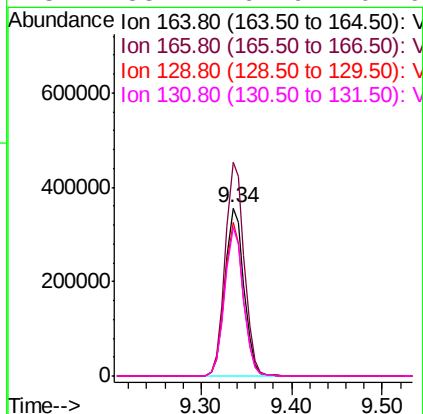
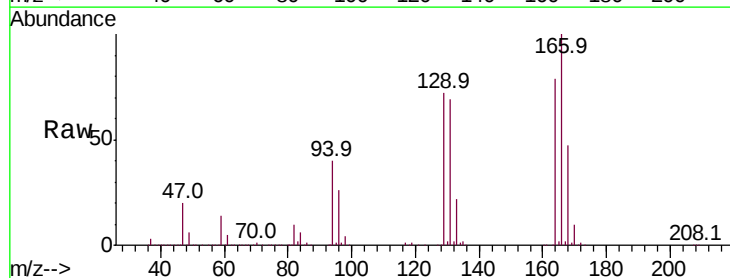
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

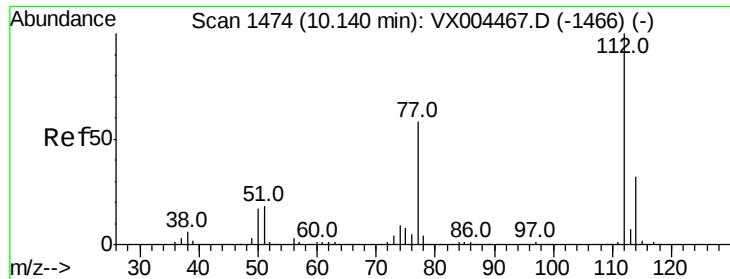
Tot Ion:117 Resp: 325139
Ion Ratio Lower Upper
117 100
82 54.4 47.8 71.6
119 32.0 29.3 43.9



#64
Tetrachloroethene
Concen: 127.188 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:164 Resp: 516312
Ion Ratio Lower Upper
164 100
166 127.1 102.8 154.2
129 91.4 69.4 104.0
131 88.2 67.9 101.9

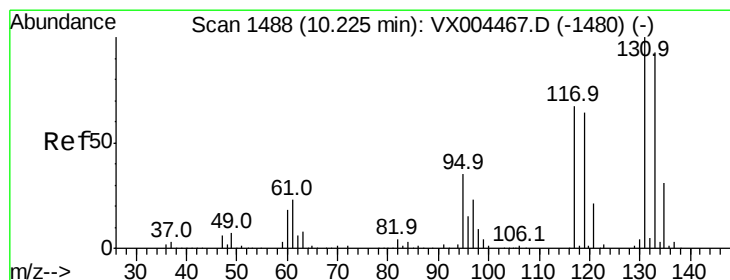
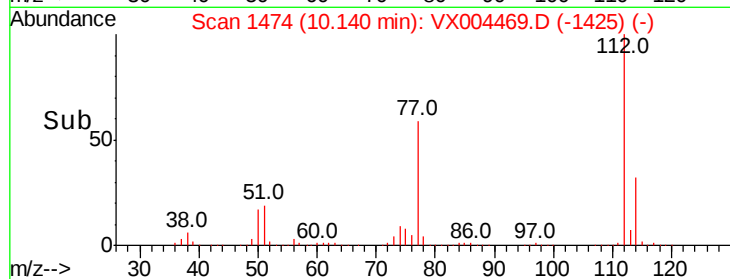
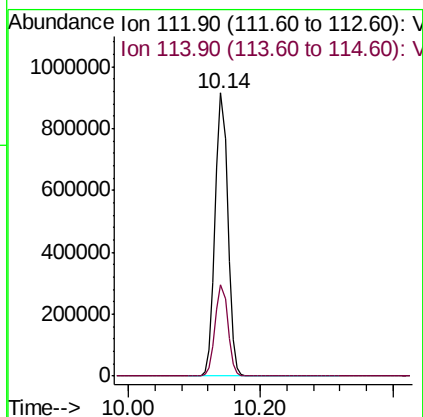
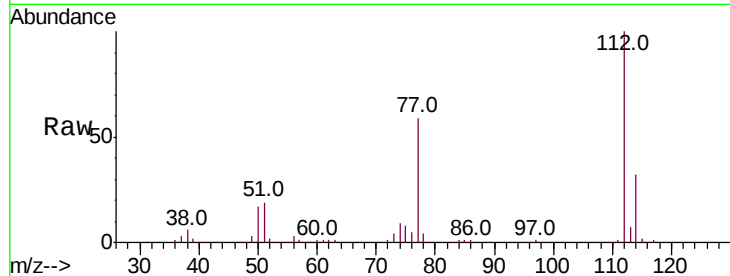




#65
Chlorobenzene
Concen: 149.524 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

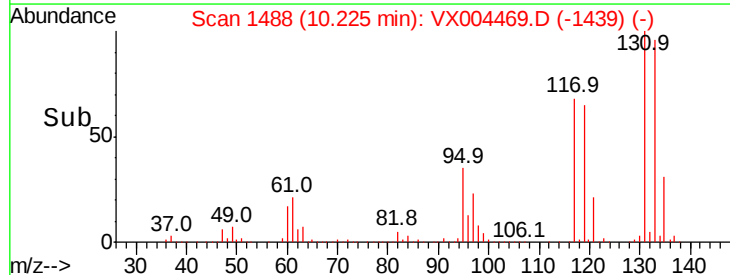
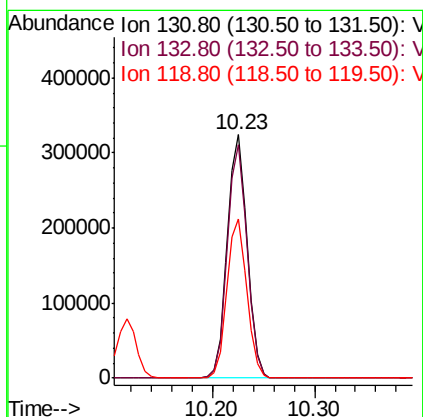
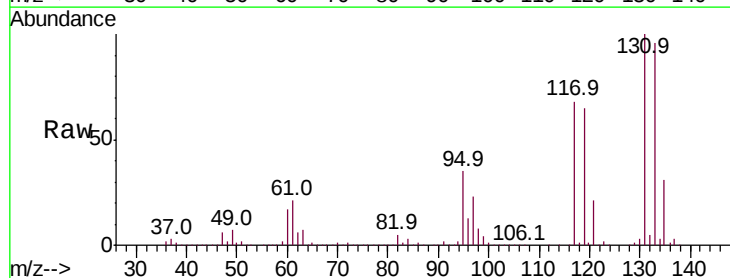
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

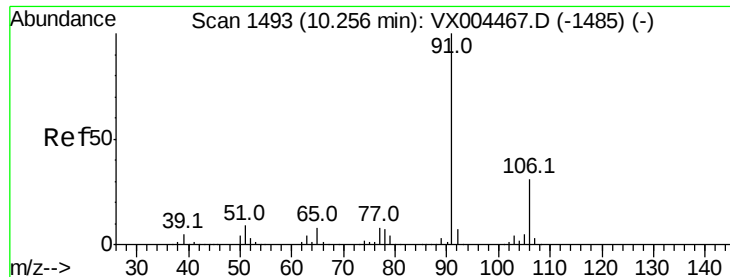
Tot Ion:112 Resp: 1207587
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 156.309 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:131 Resp: 435331
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 65.5 32.9 98.6





#67

Ethyl Benzene

Concen: 159.335 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleID :

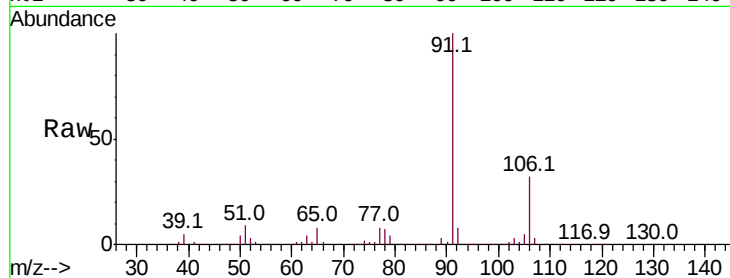
VSTDIC150

Tot Ion: 91 Resp: 2092429

Ion Ratio Lower Upper

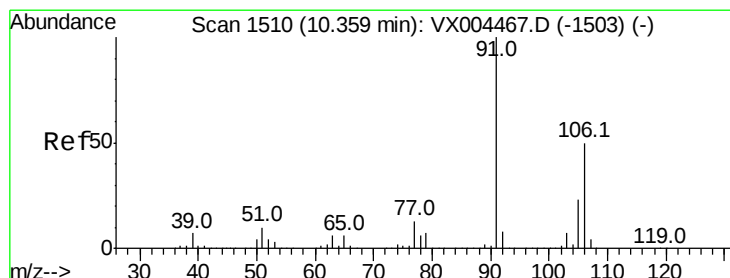
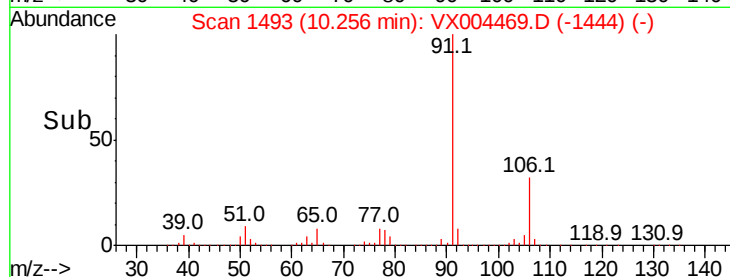
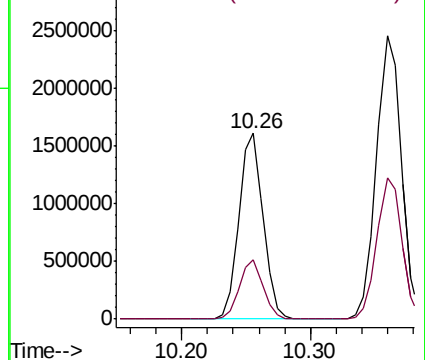
91 100

106 31.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 322.638 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004469.D

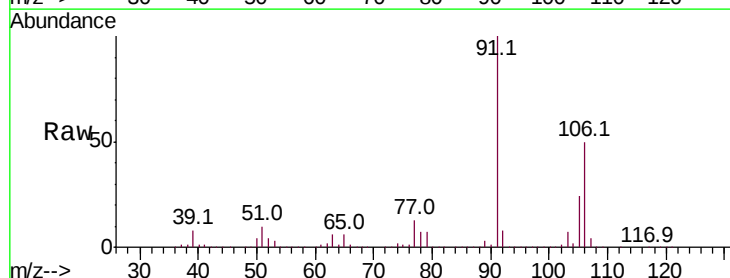
Acq: 11 Sep 2018 14:47

Tgt Ion:106 Resp: 1632082

Ion Ratio Lower Upper

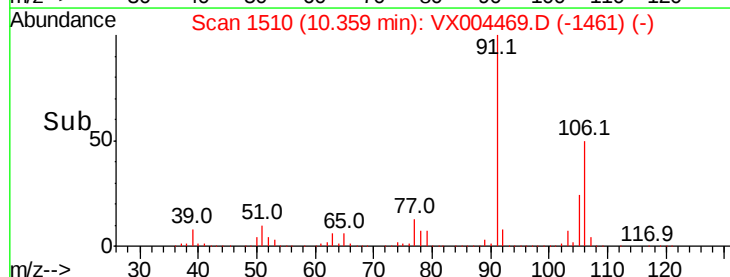
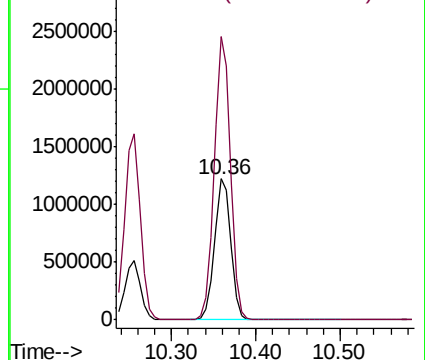
106 100

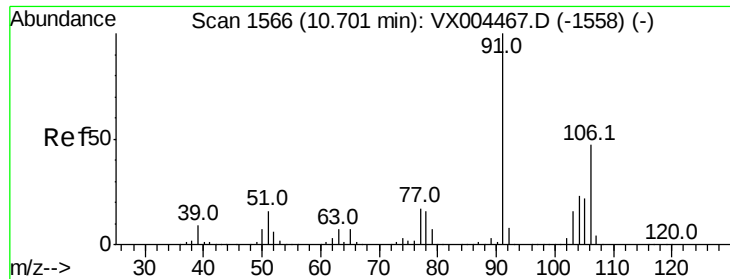
91 200.0 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

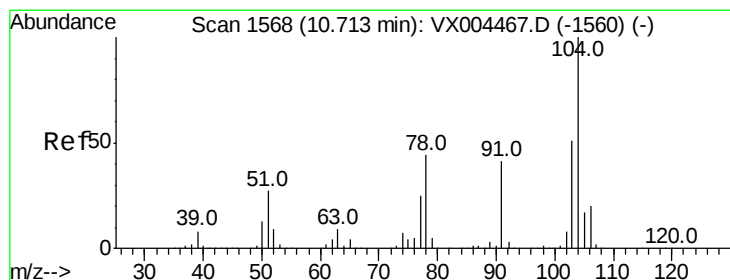
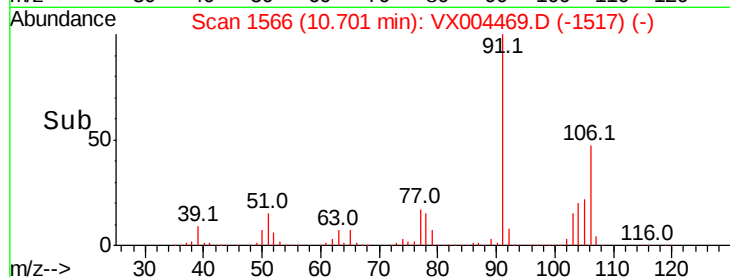
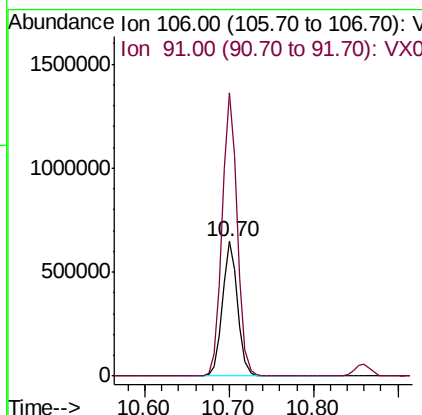
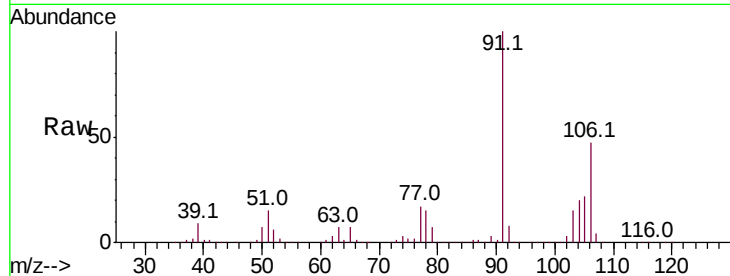




#69
o-Xylene
Concen: 164.537 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

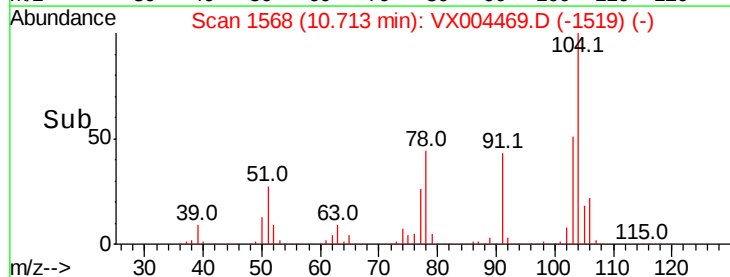
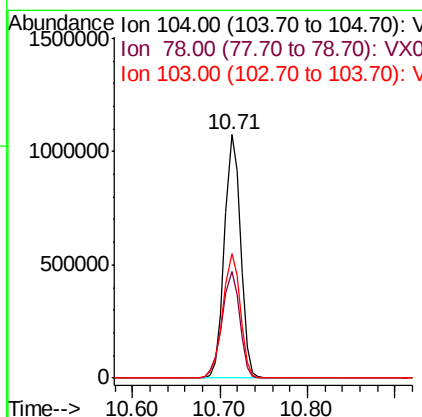
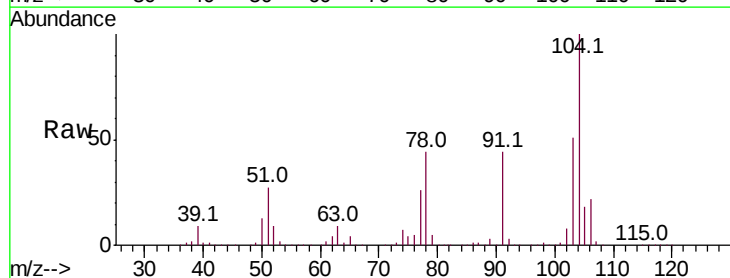
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

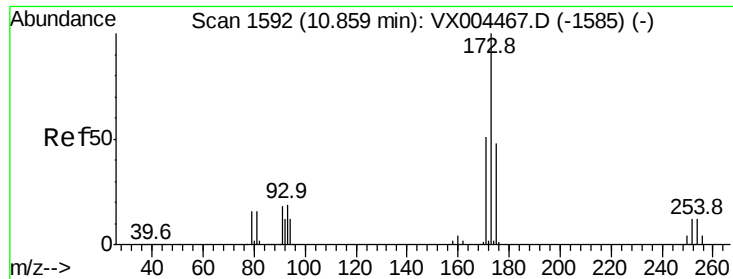
Tot Ion:106 Resp: 800176
Ion Ratio Lower Upper
106 100
91 211.2 105.1 315.1



#70
Styrene
Concen: 169.890 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:104 Resp: 1368795
Ion Ratio Lower Upper
104 100
78 48.2 37.4 56.0
103 55.4 43.8 65.6

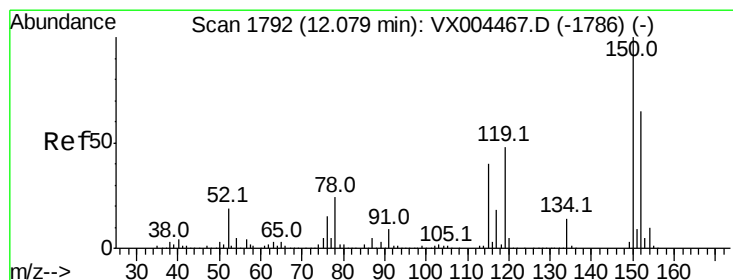
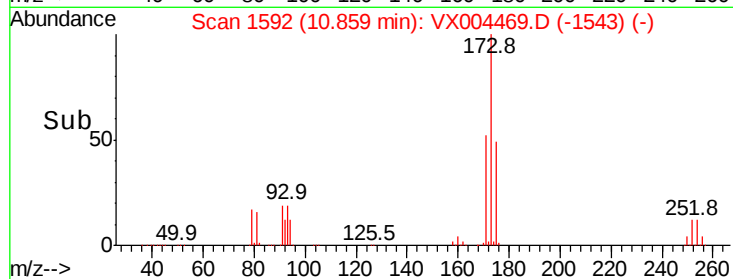
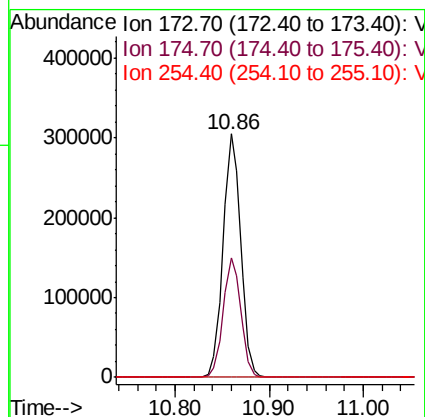
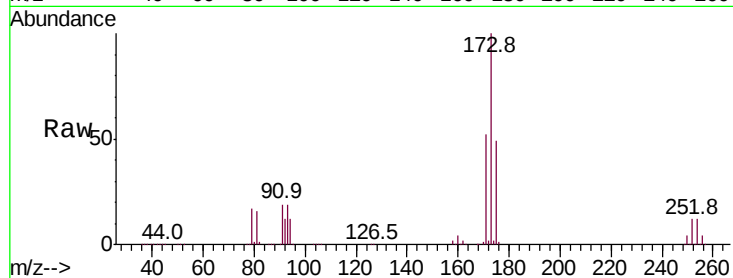




#71
Bromoform
Concen: 173.255 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

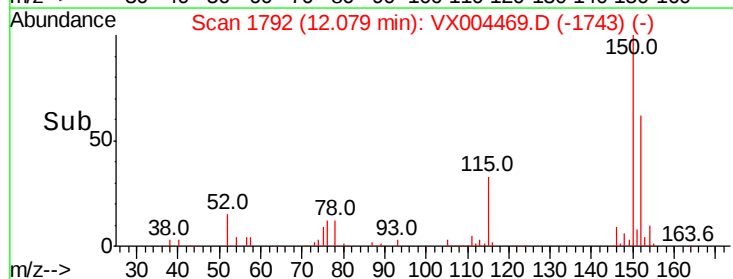
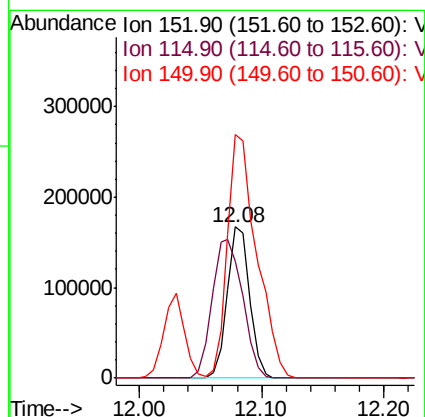
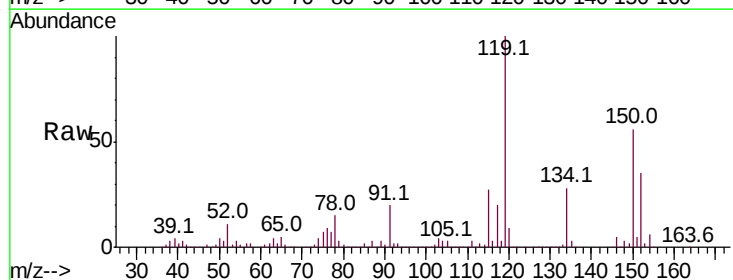
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

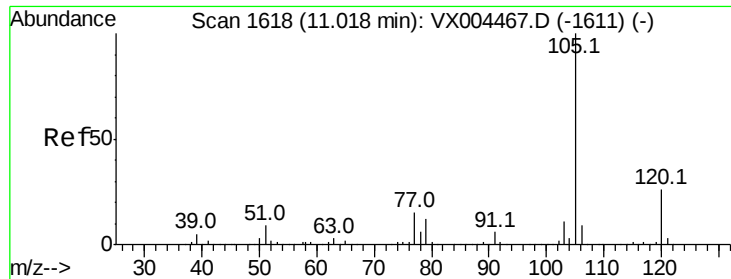
Tot Ion:173 Resp: 396194
Ion Ratio Lower Upper
173 100
175 49.1 24.1 72.3
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:152 Resp: 210098
Ion Ratio Lower Upper
152 100
115 126.7 39.0 117.0#
150 212.4 0.0 351.0





#73

Isopropylbenzene

Concen: 152.959 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

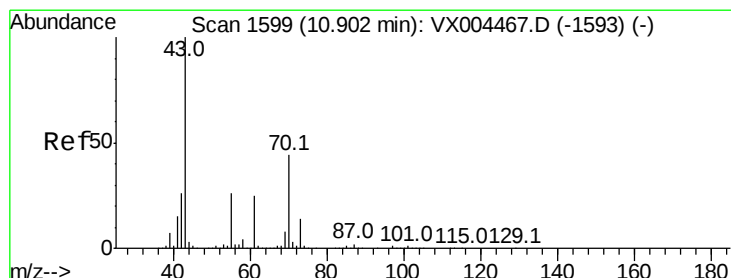
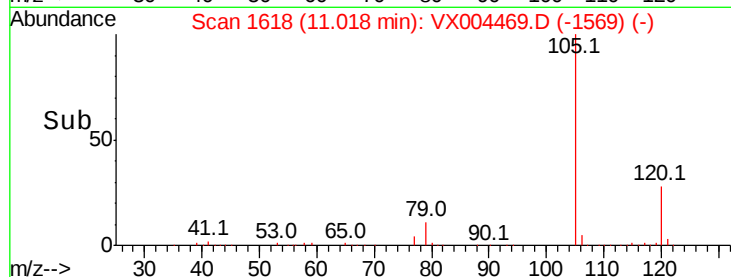
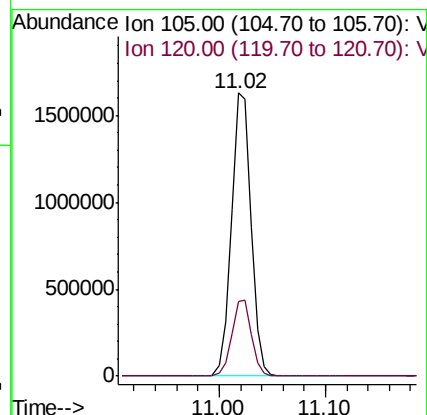
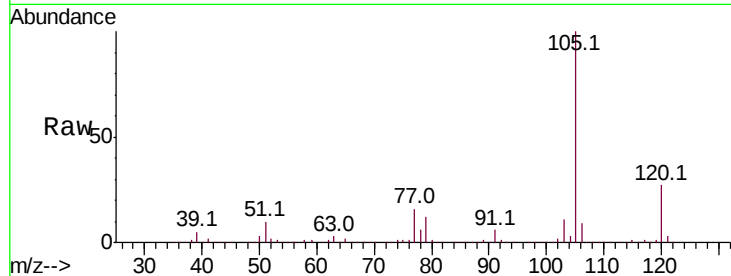
VSTDIC150

Tot Ion:105 Resp: 2116475

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 167.675 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion: 43 Resp: 976538

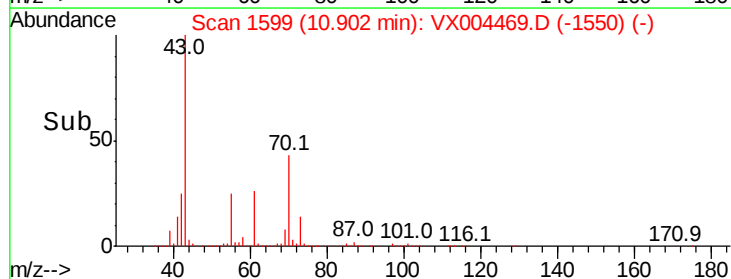
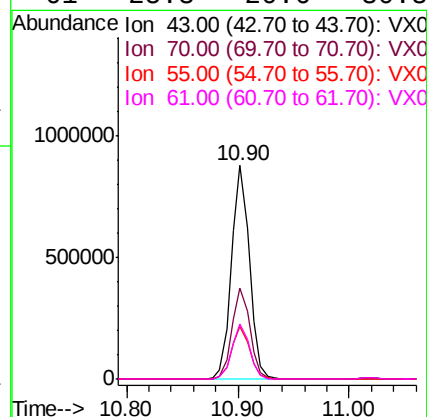
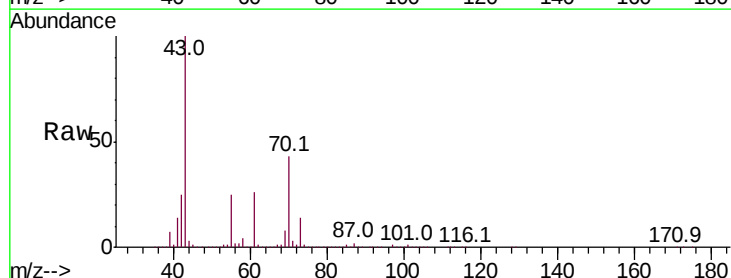
Ion Ratio Lower Upper

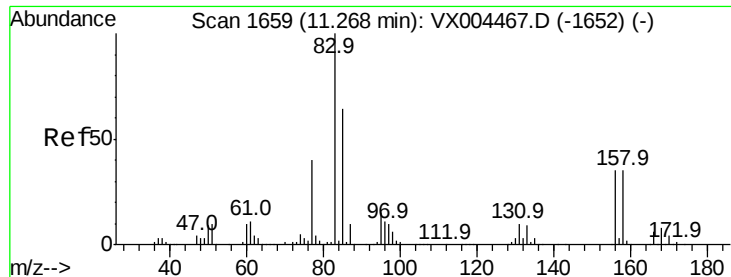
43 100

70 43.0 37.4 56.0

55 25.0 21.8 32.8

61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 151.219 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

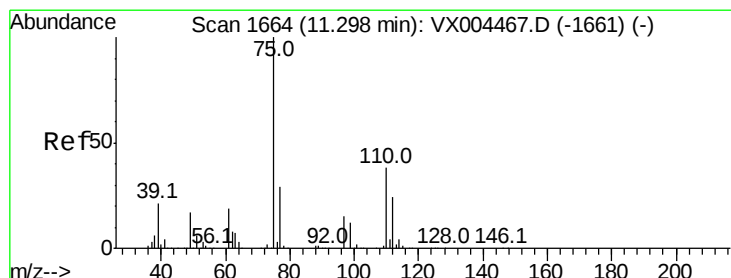
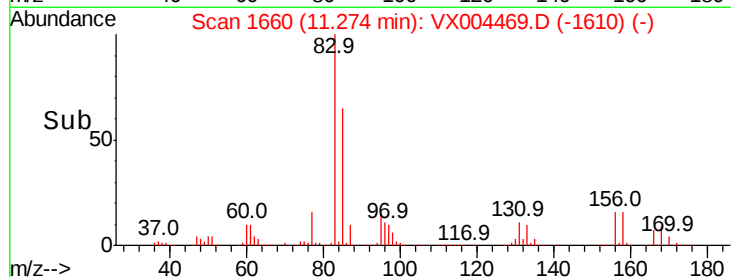
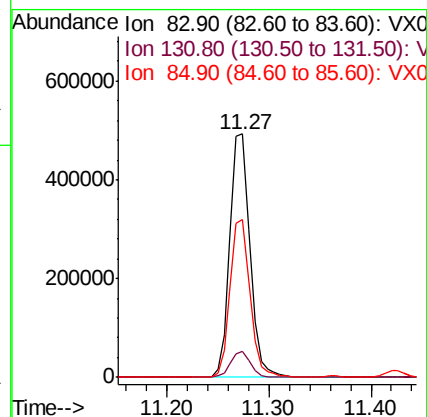
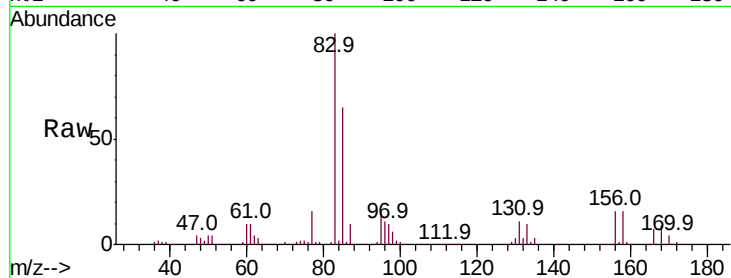
Tot Ion: 83 Resp: 674917

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	64.5	32.3	96.8

83 100

131 10.3 5.2 15.6

85 64.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 206.847 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004469.D

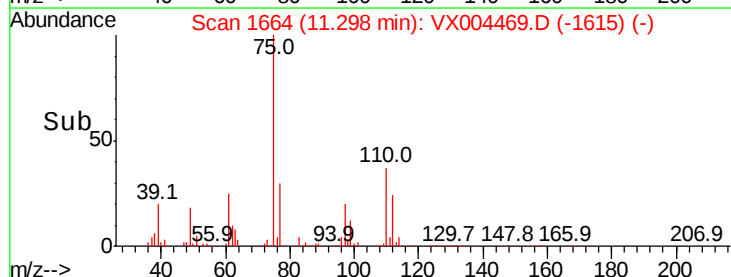
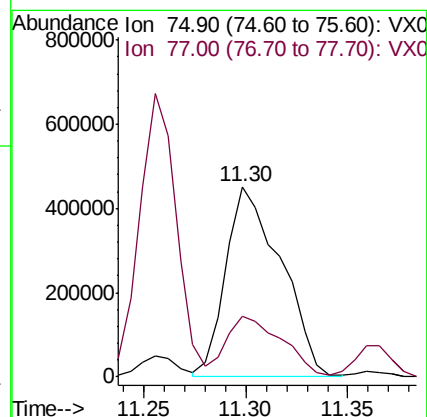
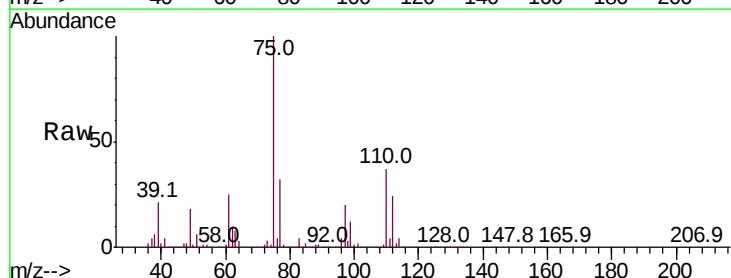
Acq: 11 Sep 2018 14:47

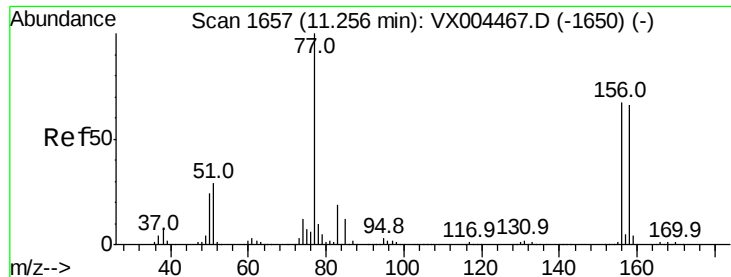
Tgt Ion: 75 Resp: 849155

Ion	Ratio	Lower	Upper
75	100		
77	32.1	20.2	60.6

75 100

77 32.1 20.2 60.6





#77

Bromobenzene

Concen: 150.649 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

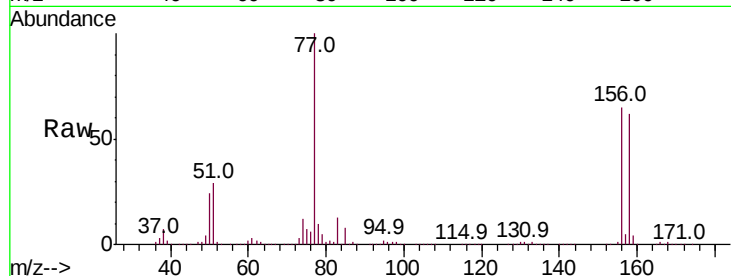
Tot Ion:156 Resp: 576161

Ion Ratio Lower Upper

156 100

77 146.6 71.5 214.3

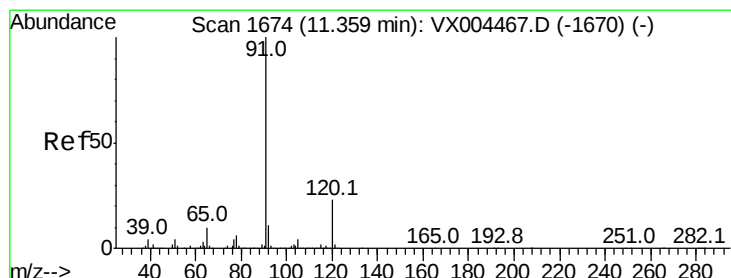
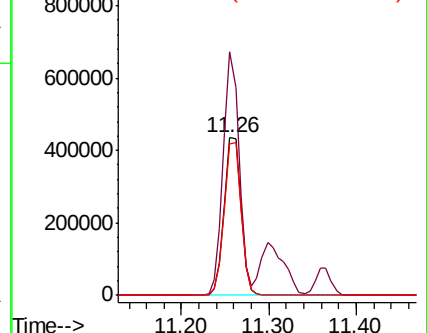
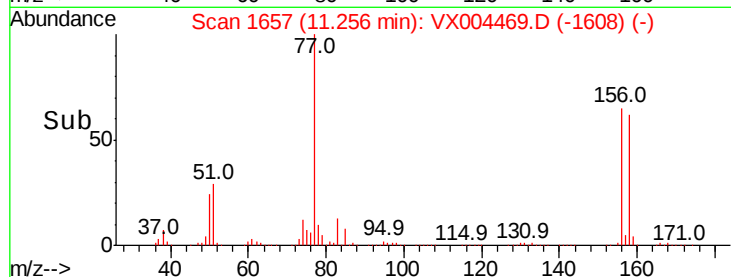
158 96.7 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 156.136 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX004469.D

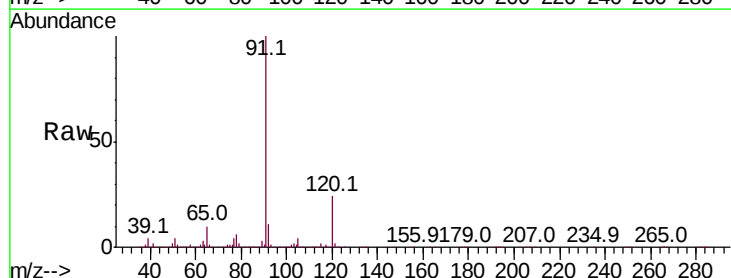
Acq: 11 Sep 2018 14:47

Tgt Ion: 91 Resp: 2484052

Ion Ratio Lower Upper

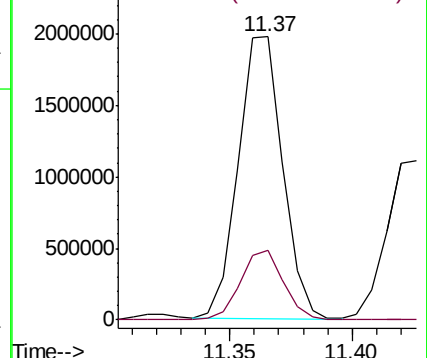
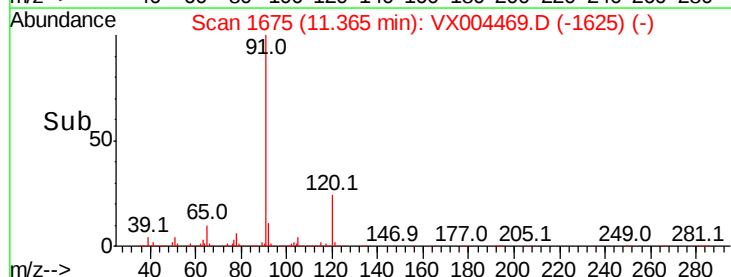
91 100

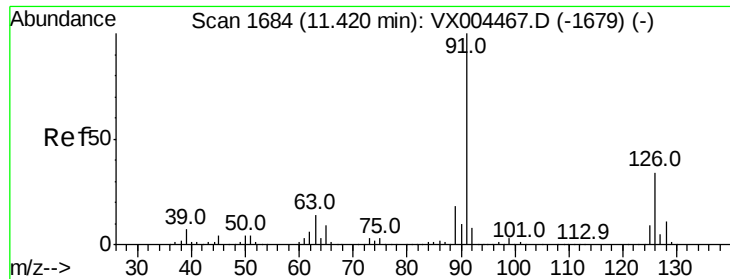
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 150.688 ug/l

RT: 11.43 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

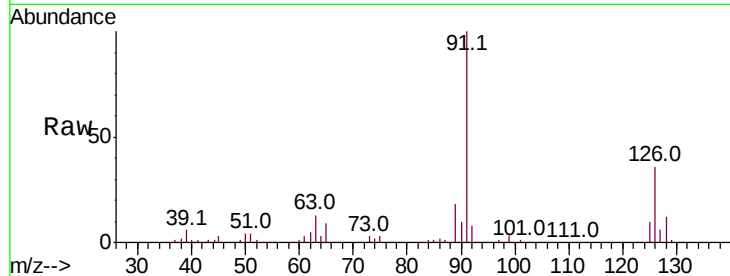
VSTDIC150

Tot Ion: 91 Resp: 1453988

Ion Ratio Lower Upper

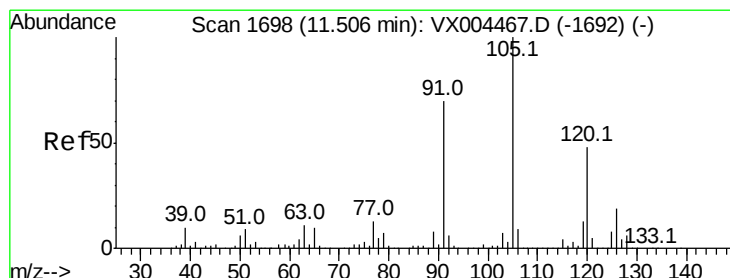
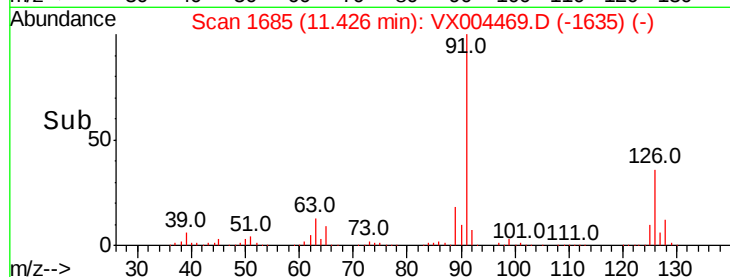
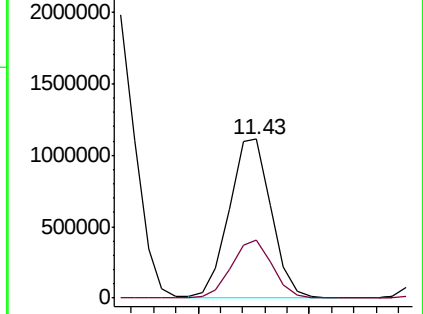
91 100

126 35.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 158.858 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX004469.D

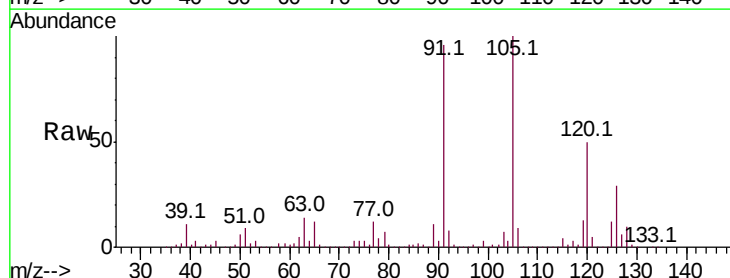
Acq: 11 Sep 2018 14:47

Tgt Ion:105 Resp: 1847847

Ion Ratio Lower Upper

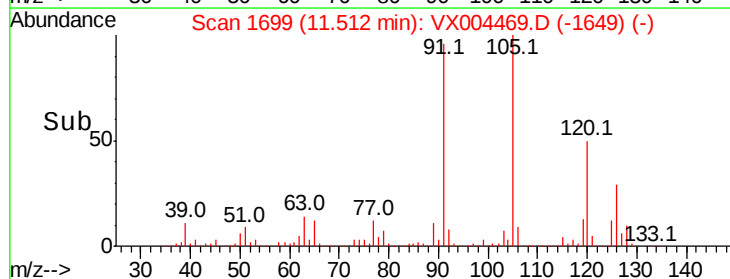
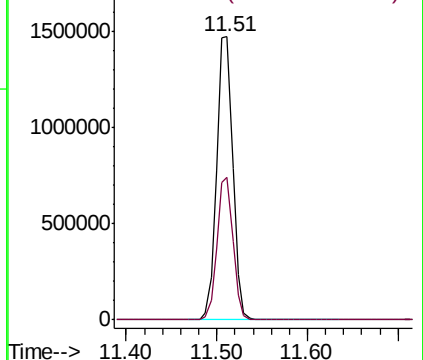
105 100

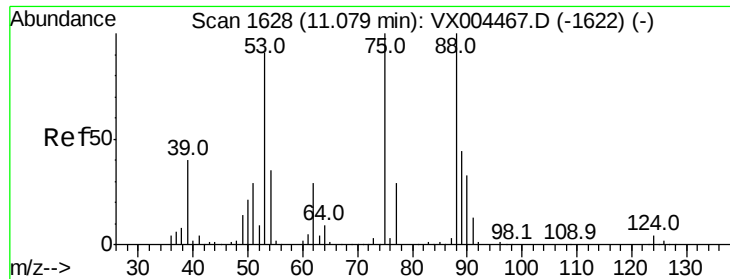
120 49.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 175.464 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

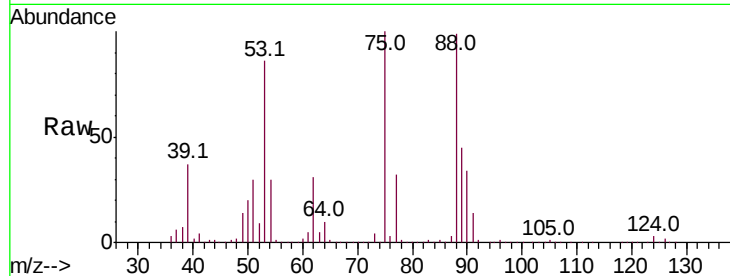
Tot Ion: 75 Resp: 232687

Ion Ratio Lower Upper

75 100

53 88.7 80.1 120.1

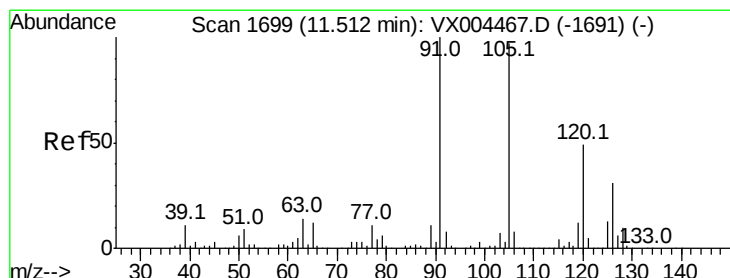
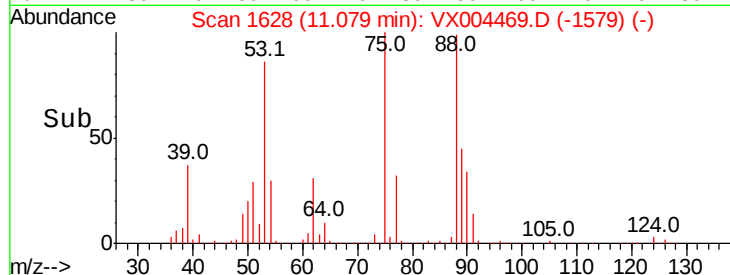
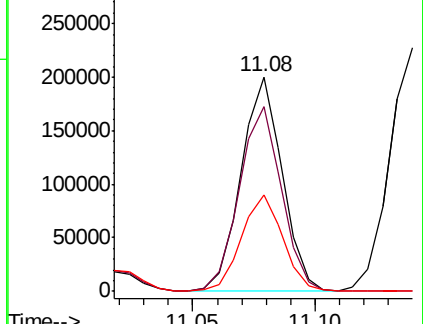
89 45.4 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 155.835 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004469.D

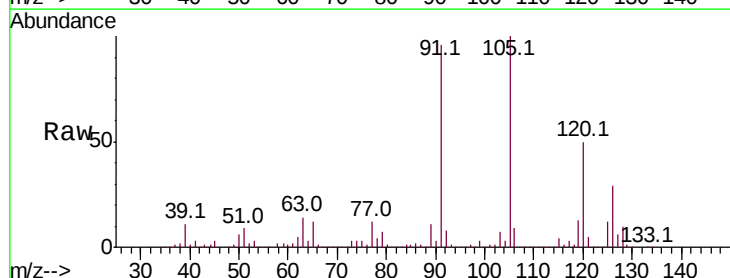
Acq: 11 Sep 2018 14:47

Tgt Ion: 91 Resp: 1754974

Ion Ratio Lower Upper

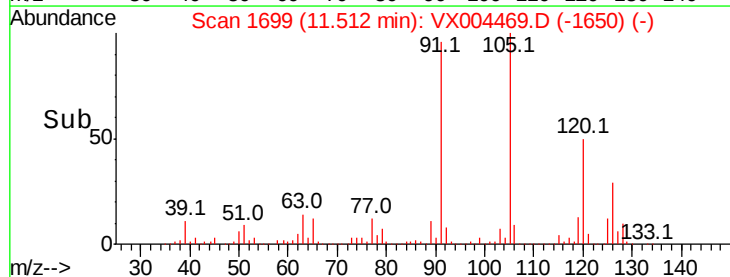
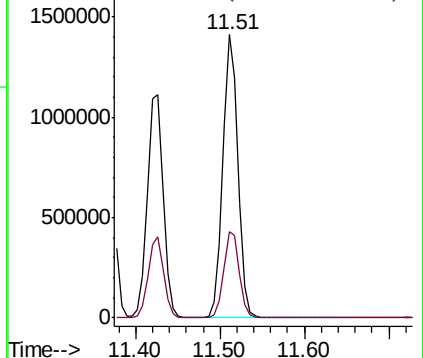
91 100

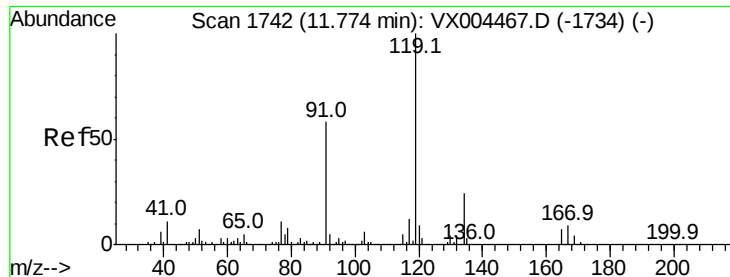
126 31.2 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

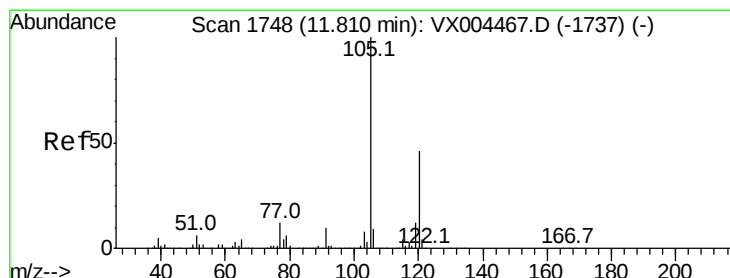
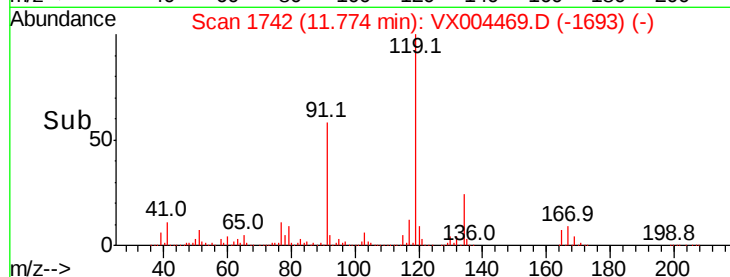
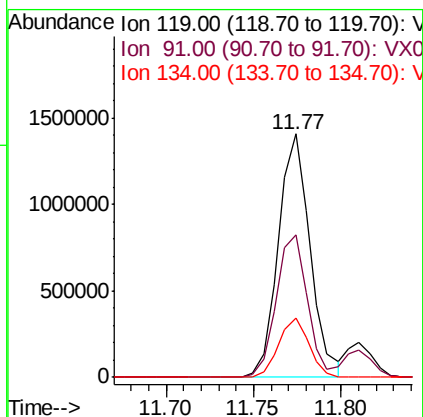
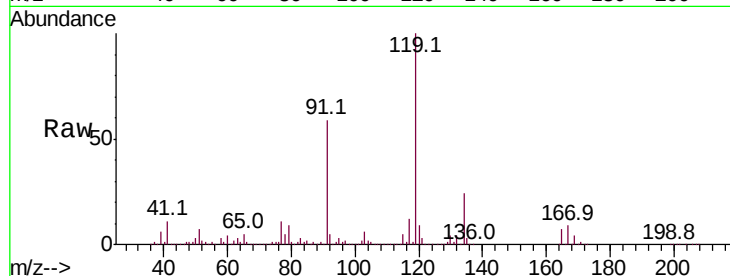




#83
tert-Butylbenzene
Concen: 160.938 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

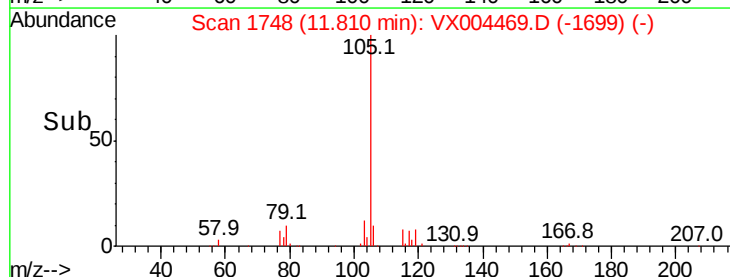
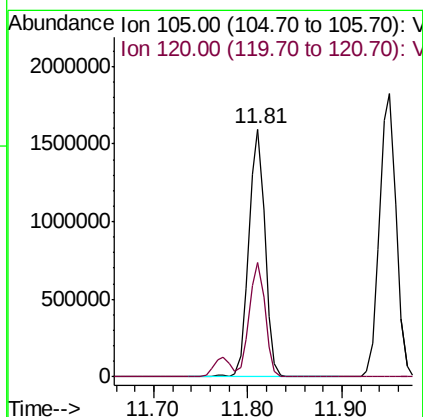
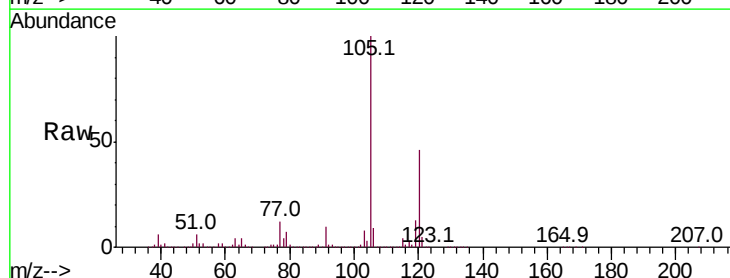
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

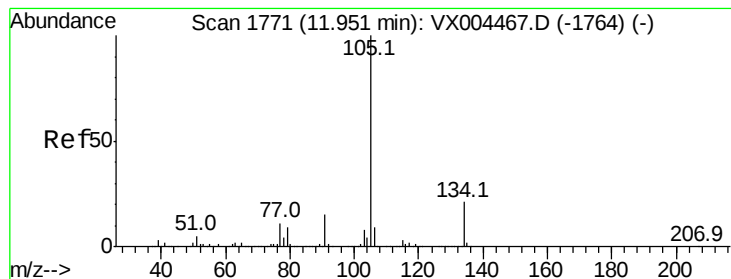
Tot Ion:119 Resp: 1782250
Ion Ratio Lower Upper
119 100
91 57.2 27.0 81.0
134 23.5 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 160.829 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion:105 Resp: 1910043
Ion Ratio Lower Upper
105 100
120 45.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 158.462 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

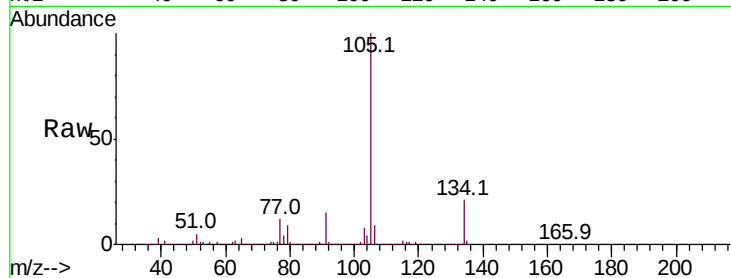
VSTDIC150

Tot Ion:105 Resp: 2236213

Ion Ratio Lower Upper

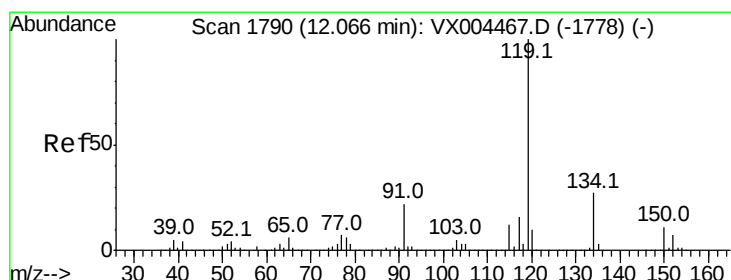
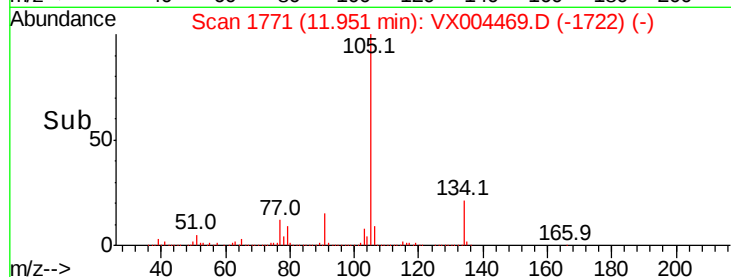
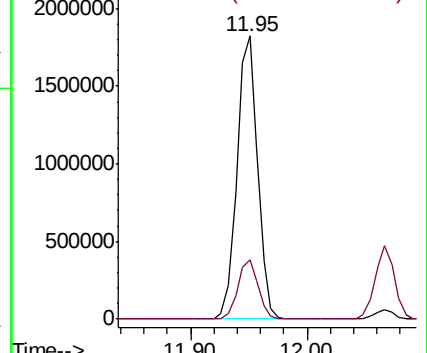
105 100

134 20.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 163.175 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

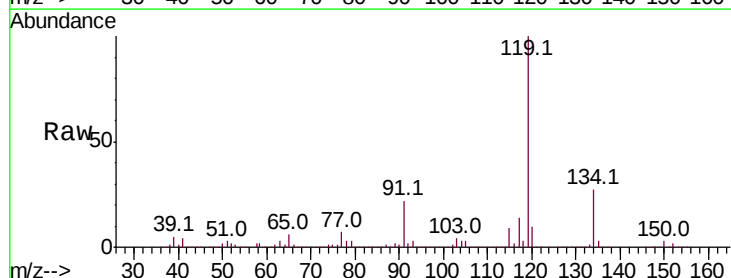
Tgt Ion:119 Resp: 2033456

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

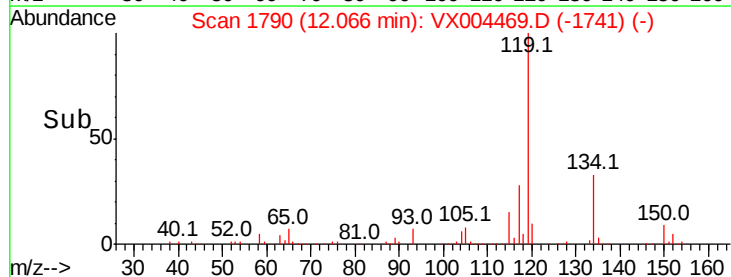
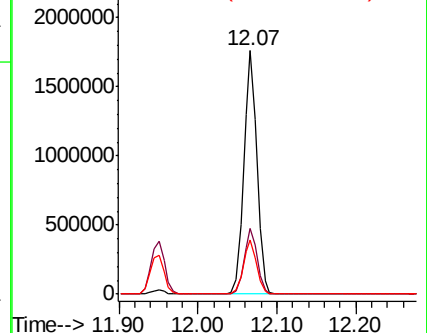
91 22.3 10.9 32.7

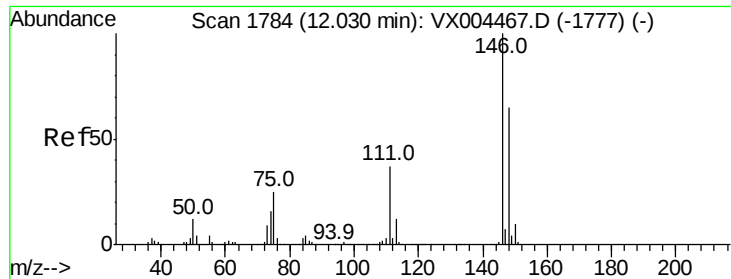


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 150.938 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.00 min

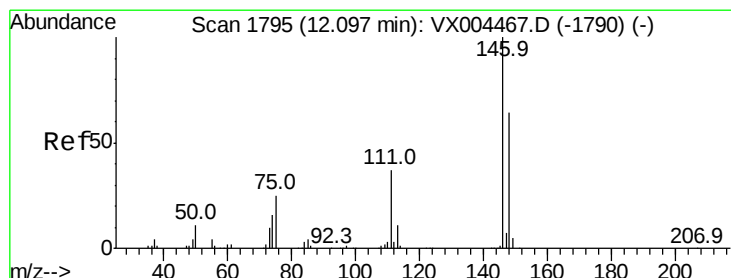
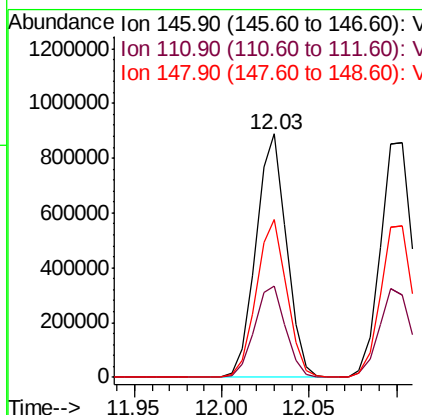
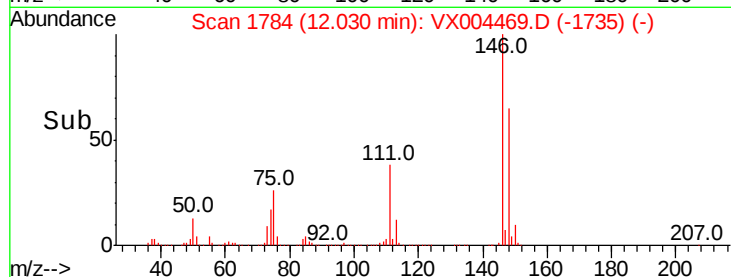
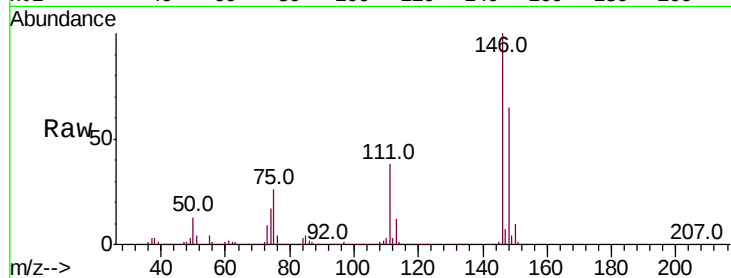
Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:146 Resp: 1077037

Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	64.5	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 148.869 ug/l

RT: 12.10 min Scan# 1796

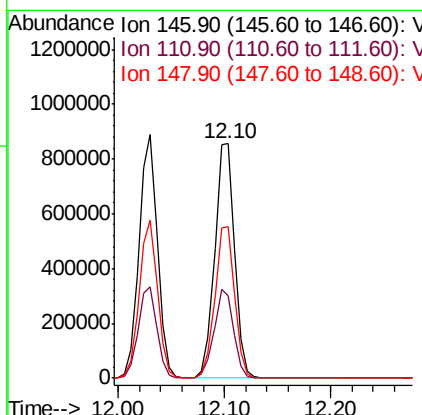
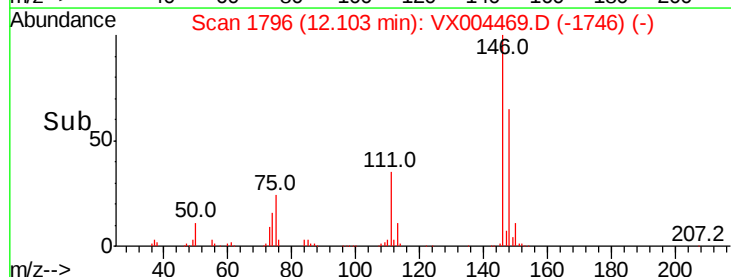
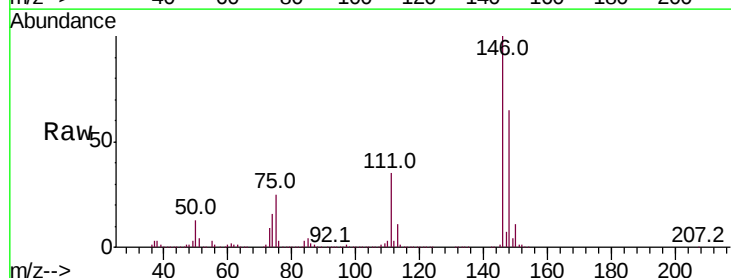
Delta R.T. 0.01 min

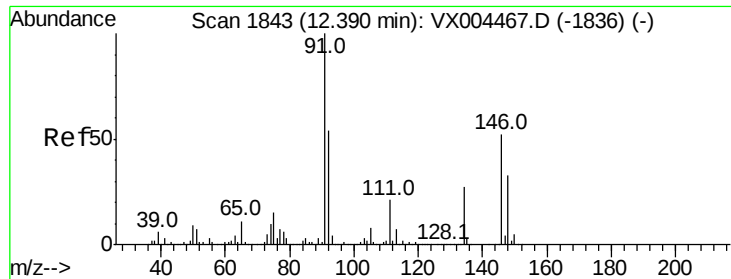
Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion:146 Resp: 1097598

Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.3	32.0	96.0

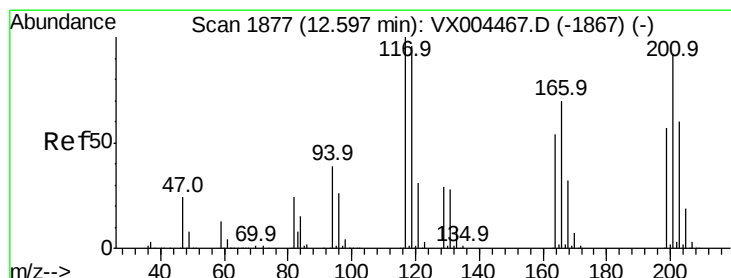
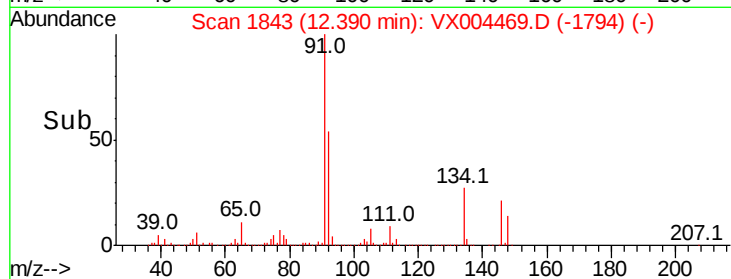
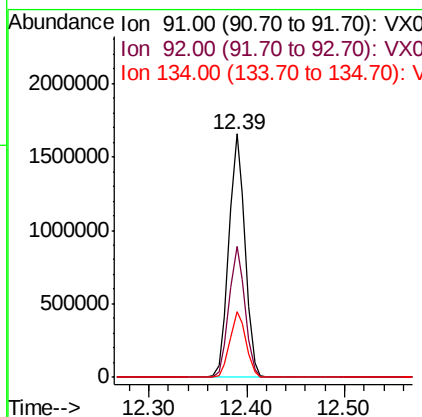
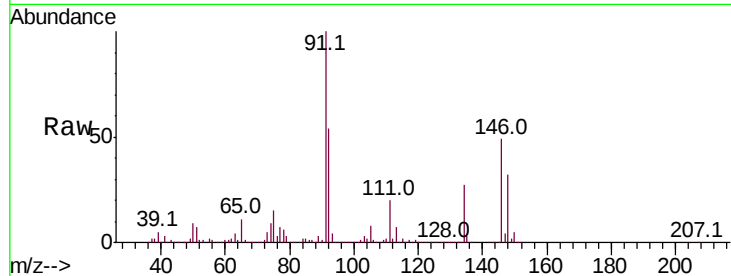




#89
n-Butylbenzene
Concen: 165.980 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

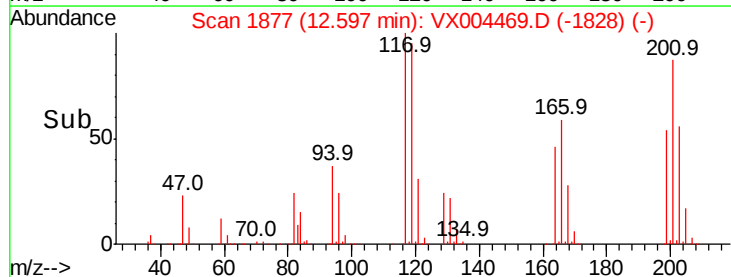
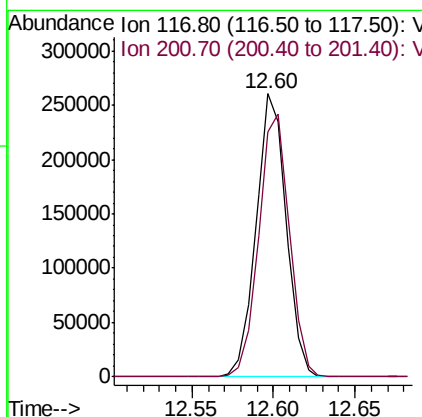
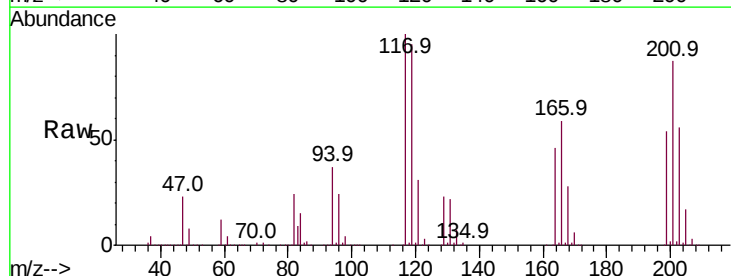
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

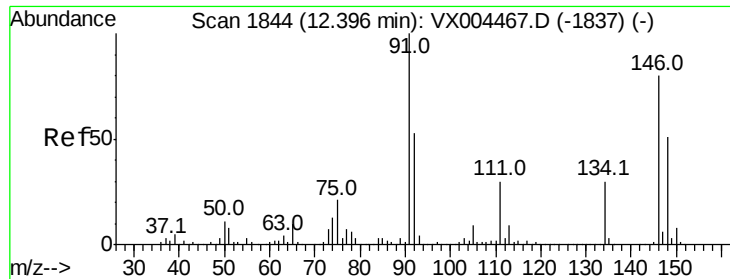
Tot Ion: 91 Resp: 1884877
Ion Ratio Lower Upper
91 100
92 53.3 27.3 81.9
134 27.0 13.6 40.7



#90
Hexachloroethane
Concen: 166.952 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004469.D
Acq: 11 Sep 2018 14:47

Tgt Ion: 117 Resp: 333071
Ion Ratio Lower Upper
117 100
201 94.3 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 151.631 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

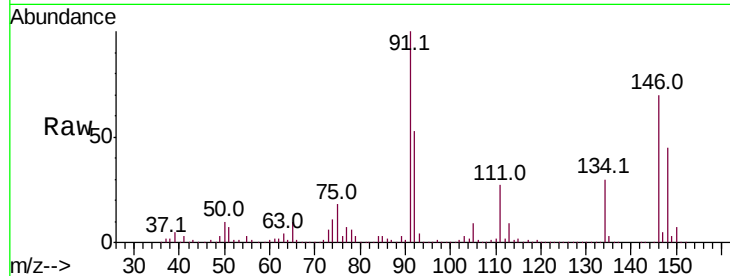
Tot Ion:146 Resp: 1095132

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.1

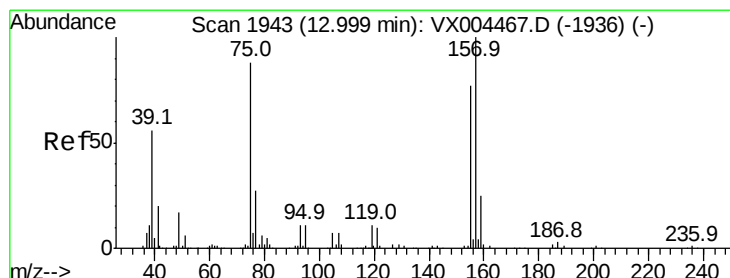
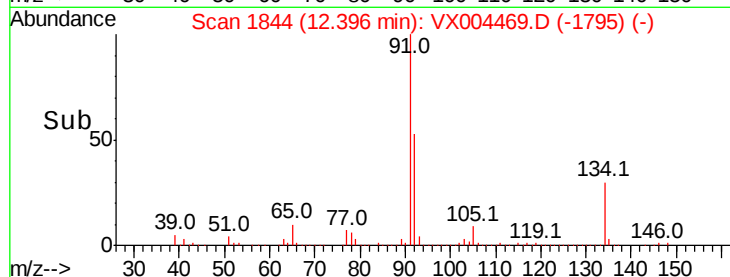
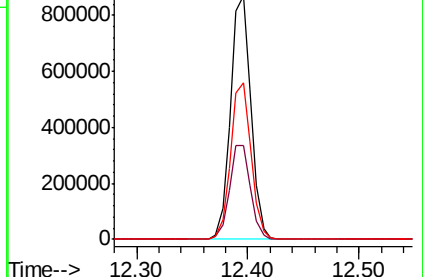
148 64.3 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 165.802 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

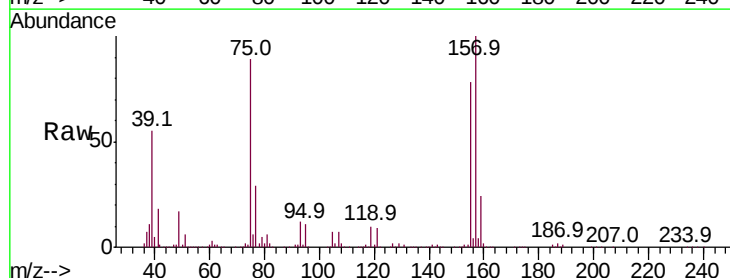
Tgt Ion: 75 Resp: 158007

Ion Ratio Lower Upper

75 100

155 95.5 48.0 144.2

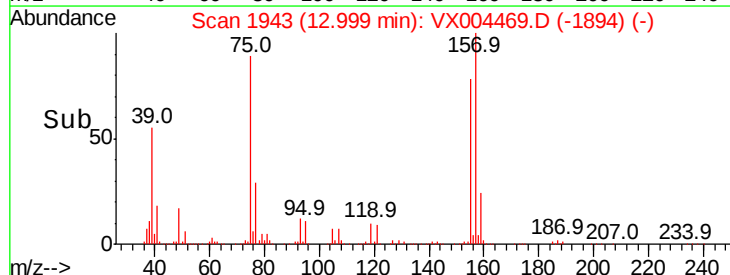
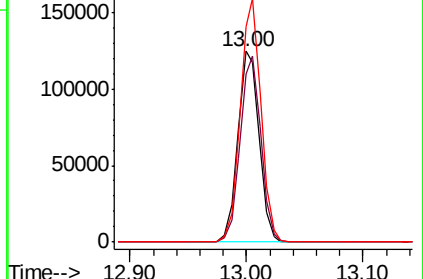
157 123.8 61.4 184.1

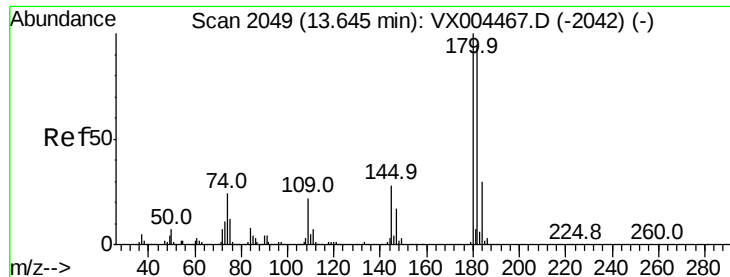


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

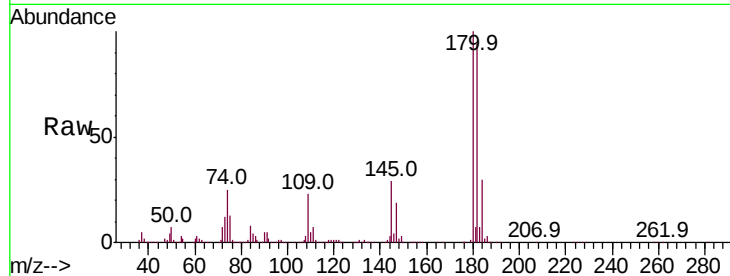




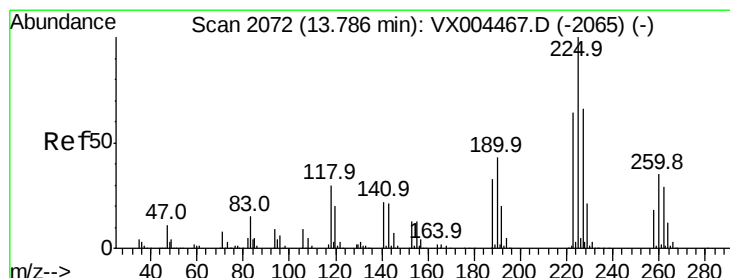
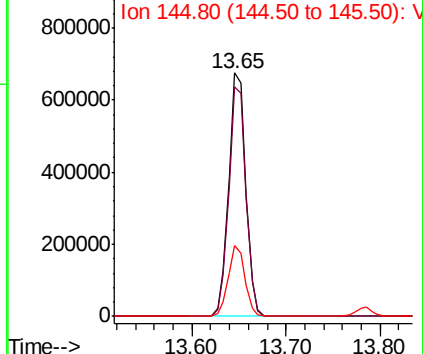
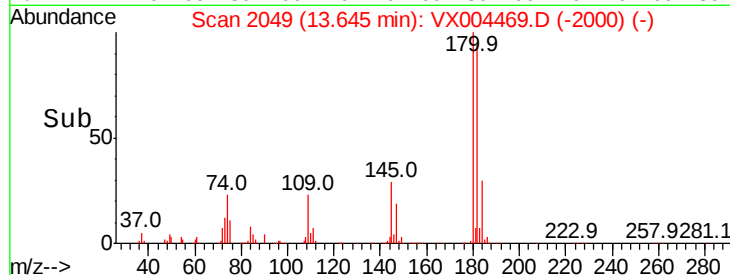
#93
 1,2,4-Trichlorobenzene
 Concen: 165.647 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.0
145	28.1	14.3	42.9

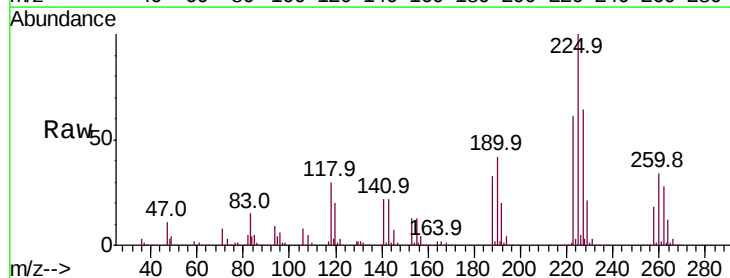


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

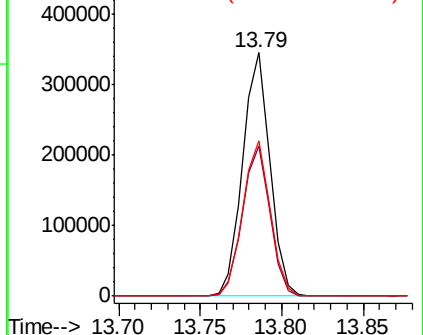
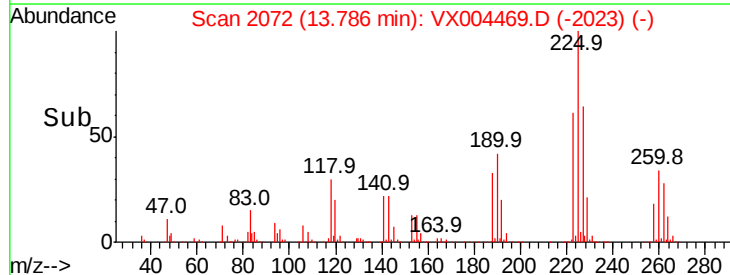


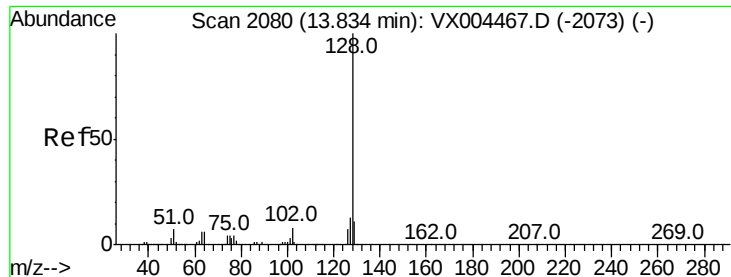
#94
 Hexachlorobutadiene
 Concen: 151.536 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004469.D
 Acq: 11 Sep 2018 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.1	90.5
227	64.3	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 170.562 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Instrument :

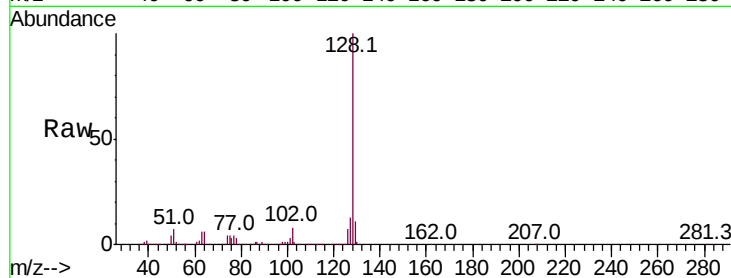
MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2446438

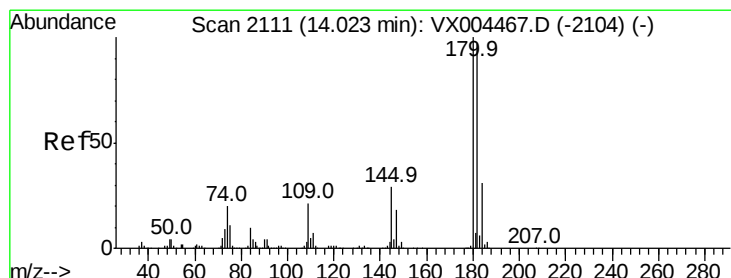
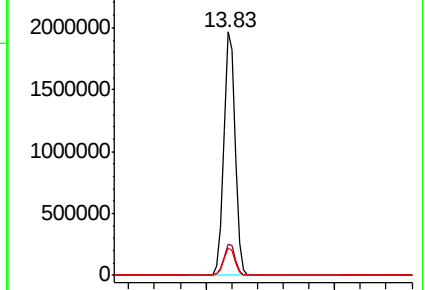
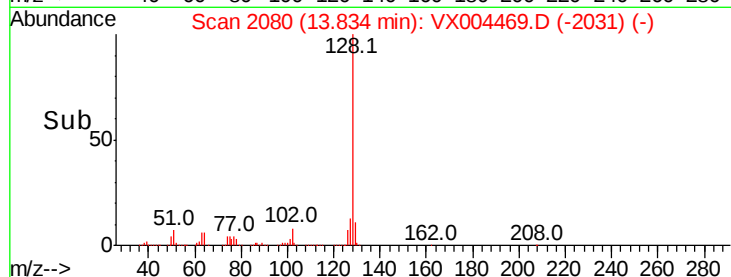
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 158.781 ug/l

RT: 14.02 min Scan# 2111

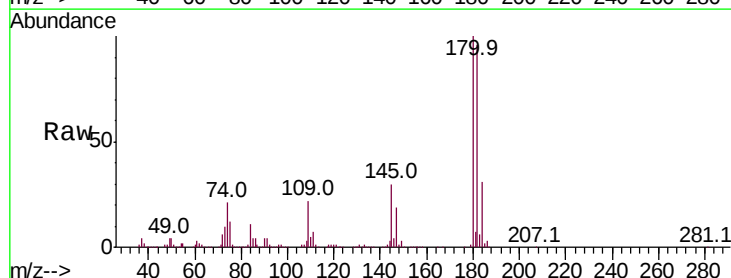
Delta R.T. -0.00 min

Lab File: VX004469.D

Acq: 11 Sep 2018 14:47

Tgt Ion:180 Resp: 834213

Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.5	145.6
145	30.0	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

