

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091118\
 Data File : VX004468.D
 Acq On : 11 Sep 2018 14:20
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 12 01:45:20 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	5.67	168	283466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212421	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	322145	88.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.28%	
35) Dibromofluoromethane	5.51	113	308031	94.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.68%	
50) Toluene-d8	8.72	98	1059137	97.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.48%	
62) 4-Bromofluorobenzene	11.14	95	394332	101.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	266656	100.373	ug/l	96
3) Chloromethane	1.32	50	335260	91.697	ug/l	97
4) Vinyl Chloride	1.40	62	355967	94.861	ug/l	99
5) Bromomethane	1.63	94	154968	86.539	ug/l	99
6) Chloroethane	1.70	64	212755	87.674	ug/l	94
7) Trichlorofluoromethane	1.92	101	458439	92.154	ug/l	95
8) Diethyl Ether	2.18	74	210330	94.310	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	290033	91.905	ug/l	99
10) Methyl Iodide	2.51	142	365023	105.171	ug/l	99
11) Tert butyl alcohol	3.09	59	397232	455.466	ug/l	99
12) 1,1-Dichloroethene	2.37	96	275496	93.014	ug/l	91
13) Acrolein	2.29	56	159391	462.978	ug/l	94
14) Allyl chloride	2.72	41	554249	91.021	ug/l	96
15) Acrylonitrile	3.15	53	1017260	484.357	ug/l	97
16) Acetone	2.45	43	757546	424.649	ug/l	94
17) Carbon Disulfide	2.56	76	830704	97.031	ug/l	100
18) Methyl Acetate	2.78	43	440586	88.030	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	953479	91.746	ug/l	94
20) Methylene Chloride	2.85	84	323617	88.431	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	312668	95.532	ug/l	92
22) Diisopropyl ether	3.87	45	1034471	94.324	ug/l	96
23) Vinyl Acetate	3.82	43	4332327	488.145	ug/l	98
24) 1,1-Dichloroethane	3.69	63	555092	89.649	ug/l	100
25) 2-Butanone	4.71	43	1266545	446.099	ug/l	91
26) 2,2-Dichloropropane	4.57	77	391908	92.154	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	343963	94.144	ug/l	98
28) Bromochloromethane	5.02	49	272475	96.204	ug/l	96
29) Tetrahydrofuran	5.17	42	828870	484.102	ug/l	96
30) Chloroform	5.21	83	550711	91.101	ug/l	94
31) Cyclohexane	5.57	56	531548	100.537	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	458314	94.134	ug/l	99
36) 1,1-Dichloropropene	5.80	75	413856	96.044	ug/l	99
37) Ethyl Acetate	4.87	43	467086	95.308	ug/l	99
38) Carbon Tetrachloride	5.78	117	414659	98.524	ug/l	94

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 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	469869	104.495	ug/l	98
40) Benzene	6.14	78	1137549	88.975	ug/l	99
41) Methacrylonitrile	5.07	41	268222	99.333	ug/l	98
42) 1,2-Dichloroethane	6.20	62	371946	87.715	ug/l	98
43) Isopropyl Acetate	6.46	43	638569	98.102	ug/l	99
44) Trichloroethene	7.21	130	321760	96.870	ug/l	96
45) 1,2-Dichloropropane	7.52	63	298892	97.156	ug/l	99
46) Dibromomethane	7.66	93	186783	96.106	ug/l	98
47) Bromodichloromethane	7.90	83	363282	98.841	ug/l	99
48) Methyl methacrylate	7.78	41	336631	104.498	ug/l	97
49) 1,4-Dioxane	7.76	88	152420	1999.088	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2168757	472.126	ug/l	98
52) Toluene	8.79	92	723379	96.033	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	420825	98.017	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	454916	103.942	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	285871	88.140	ug/l	98
56) Ethyl methacrylate	9.18	69	453411	98.818	ug/l	98
57) 1,3-Dichloropropane	9.37	76	479713	91.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1129547	536.611	ug/l	95
59) 2-Hexanone	9.50	43	1652434	468.982	ug/l	98
60) Dibromochloromethane	9.59	129	300572	98.437	ug/l	99
61) 1,2-Dibromoethane	9.68	107	298402	96.310	ug/l	100
64) Tetrachloroethene	9.34	164	359135	84.874	ug/l	98
65) Chlorobenzene	10.14	112	799445	94.965	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	286562	98.711	ug/l	100
67) Ethyl Benzene	10.26	91	1381098	100.895	ug/l	99
68) m/p-Xylenes	10.36	106	1080021	204.828	ug/l	98
69) o-Xylene	10.70	106	520336	102.647	ug/l	99
70) Styrene	10.71	104	883590	105.212	ug/l	98
71) Bromoform	10.86	173	245824	103.130	ug/l	99
73) Isopropylbenzene	11.02	105	1394510	99.680	ug/l	100
74) N-amyl acetate	10.90	43	607377	103.148	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	423891	93.936	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	537008	129.380	ug/l	86
77) Bromobenzene	11.26	156	368806	95.377	ug/l	98
78) n-propylbenzene	11.36	91	1622683	100.879	ug/l	100
79) 2-Chlorotoluene	11.42	91	942943	96.655	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1195007	101.610	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	144201	107.550	ug/l	93
82) 4-Chlorotoluene	11.51	91	1128144	99.079	ug/l	100
83) tert-Butylbenzene	11.77	119	1137154	101.562	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1229611	102.403	ug/l	99
85) sec-Butylbenzene	11.95	105	1443574	101.175	ug/l	99
86) p-Isopropyltoluene	12.07	119	1300985	103.256	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	688603	95.447	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	697938	93.627	ug/l	99
89) n-Butylbenzene	12.39	91	1187938	103.464	ug/l	99
90) Hexachloroethane	12.60	117	206325	102.290	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	698347	95.635	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	100212	104.006	ug/l	99

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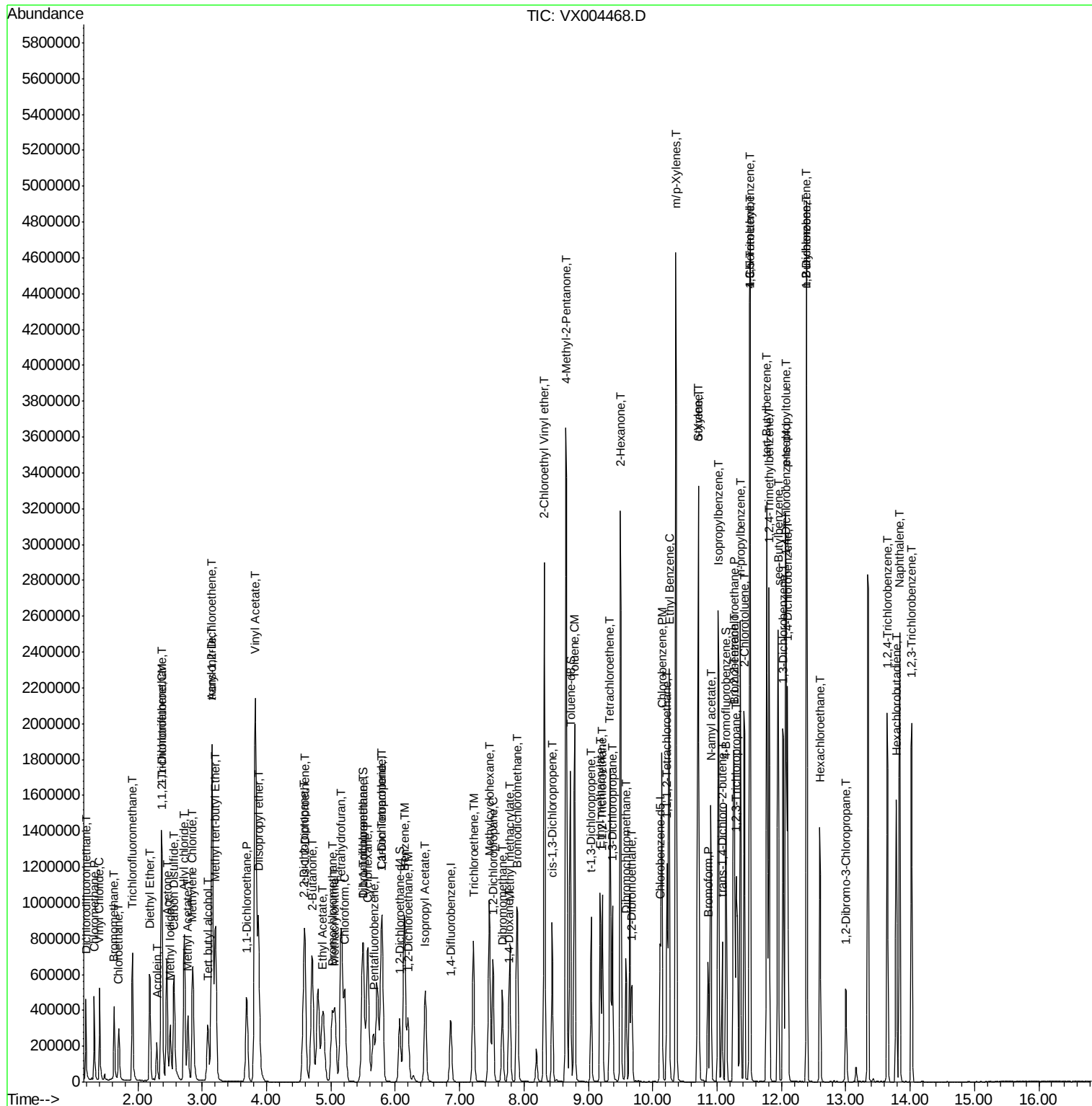
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

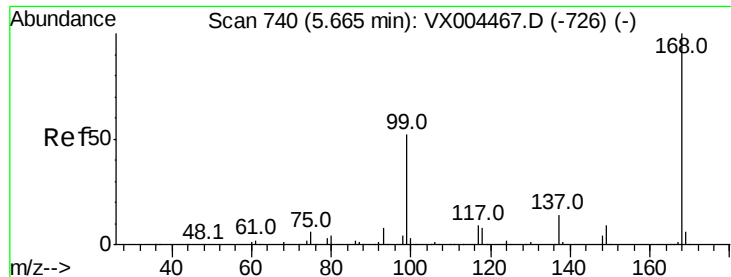
Quant Time: Sep 12 01:45:20 2018
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	528339	102.183	ug/l	99
94) Hexachlorobutadiene	13.79	225	260592	96.486	ug/l	97
95) Naphthalene	13.83	128	1551464	106.983	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	529097	99.605	ug/l	99

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

Quant Time: Sep 12 01:45:20 2018
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

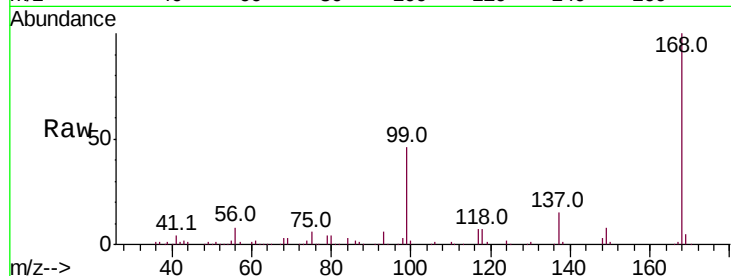
VSTDICC100

Tot Ion:168 Resp: 283466

Ion Ratio Lower Upper

168 100

99 46.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

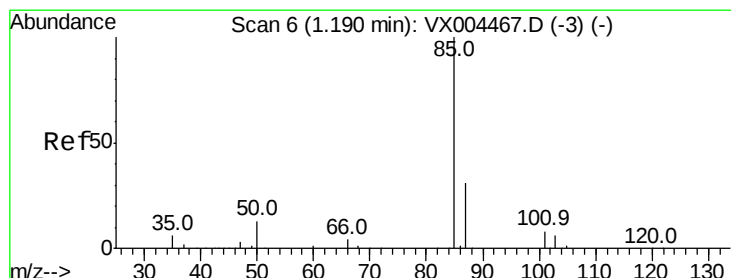
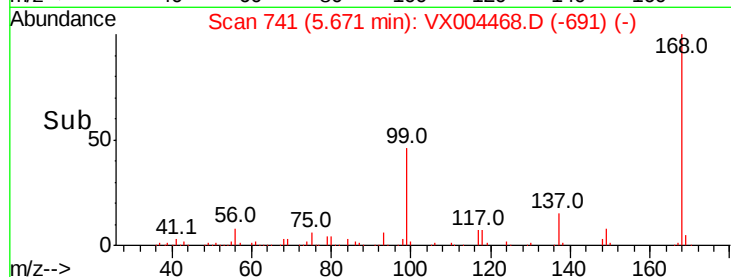
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 100.373 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004468.D

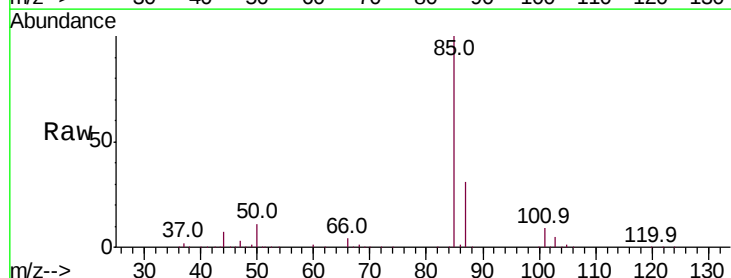
Acq: 11 Sep 2018 14:20

Tgt Ion: 85 Resp: 266656

Ion Ratio Lower Upper

85 100

87 31.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300000

250000

200000

150000

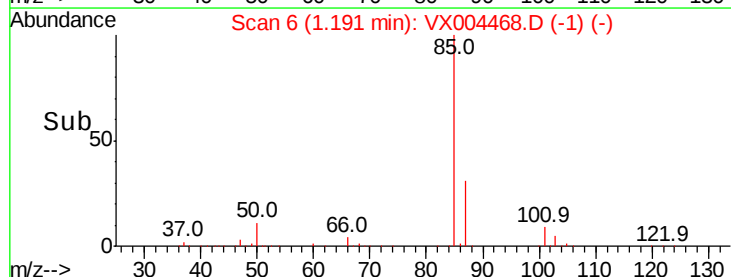
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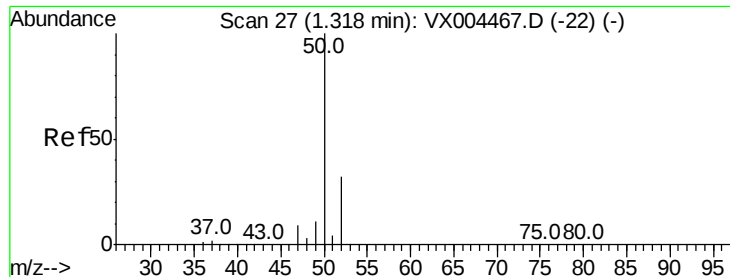
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 91.697 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

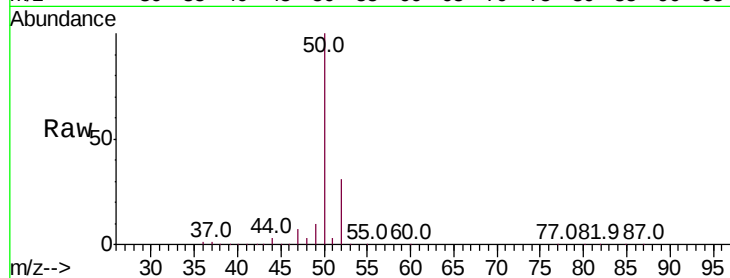
VSTDIC100

Tot Ion: 50 Resp: 335260

Ion Ratio Lower Upper

50 100

52 31.1 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

300000

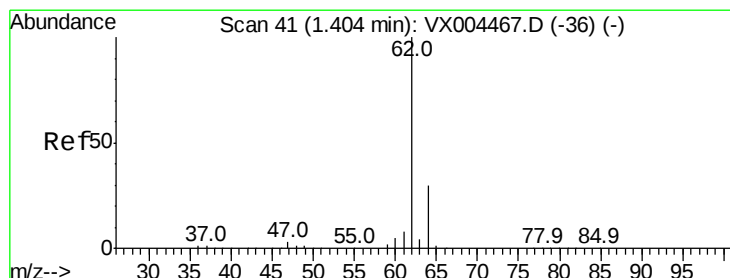
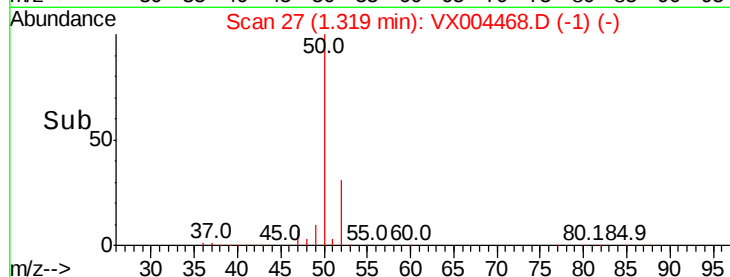
200000

100000

0

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 94.861 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004468.D

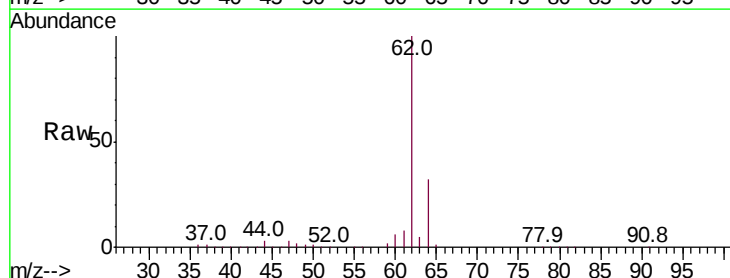
Acq: 11 Sep 2018 14:20

Tgt Ion: 62 Resp: 355967

Ion Ratio Lower Upper

62 100

64 31.6 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

300000

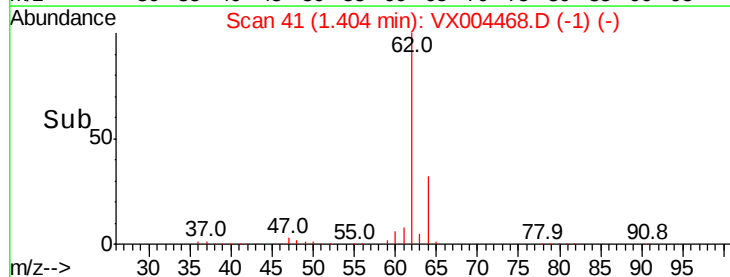
200000

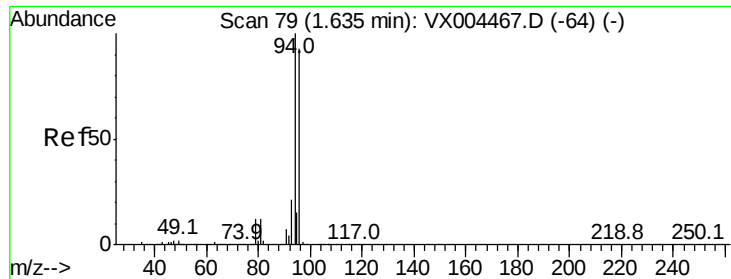
100000

0

1.30 1.40 1.50 1.60

Time-->





#5

Bromomethane

Concen: 86.539 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

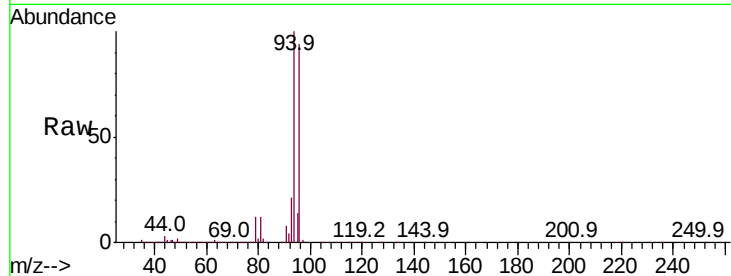
VSTDIC100

Tot Ion: 94 Resp: 154968

Ion Ratio Lower Upper

94 100

96 93.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150000

100000

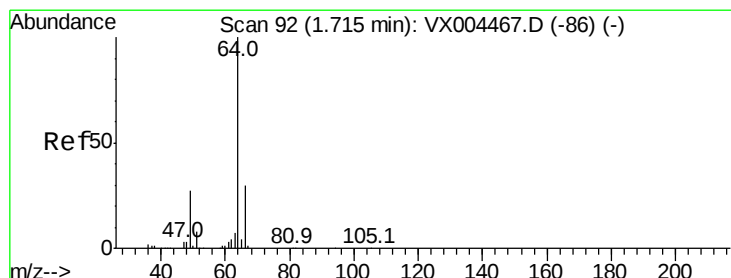
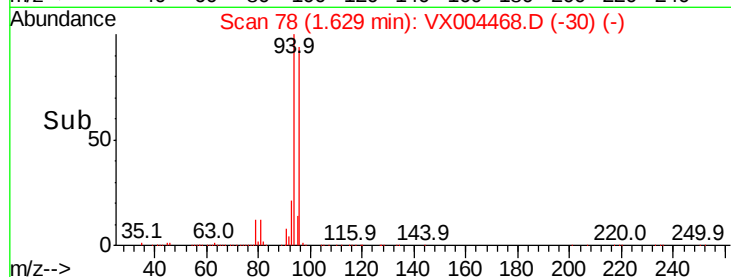
50000

0

1.63

1.50 1.60 1.70

Time-->



#6

Chloroethane

Concen: 87.674 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX004468.D

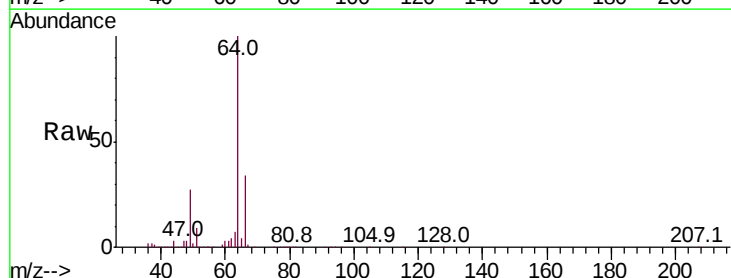
Acq: 11 Sep 2018 14:20

Tgt Ion: 64 Resp: 212755

Ion Ratio Lower Upper

64 100

66 33.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

150000

100000

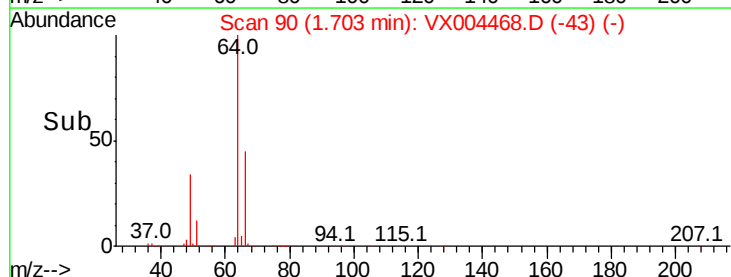
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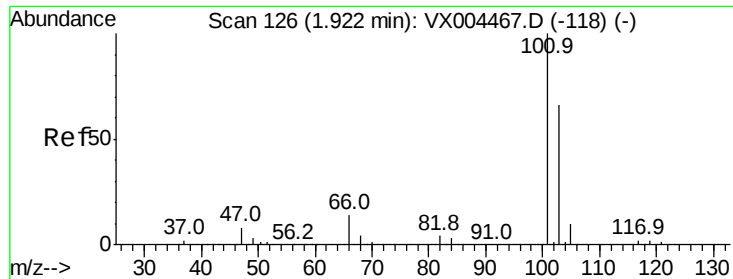
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1.70

1.60 1.70 1.80

Time-->



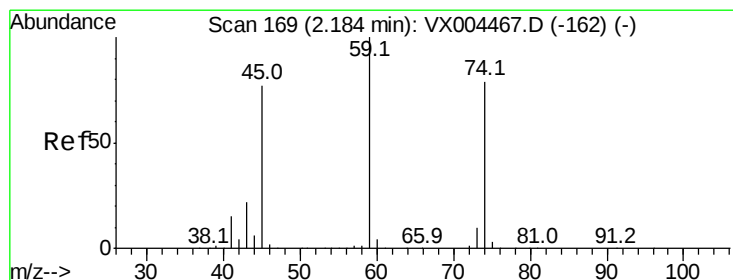
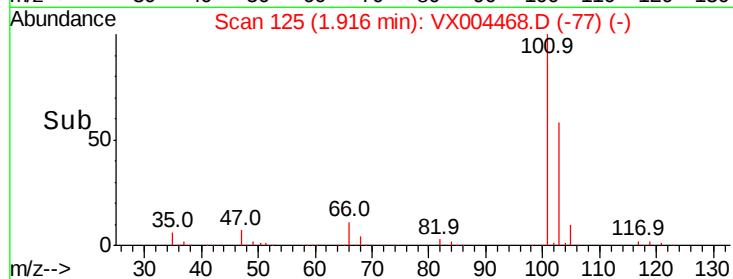
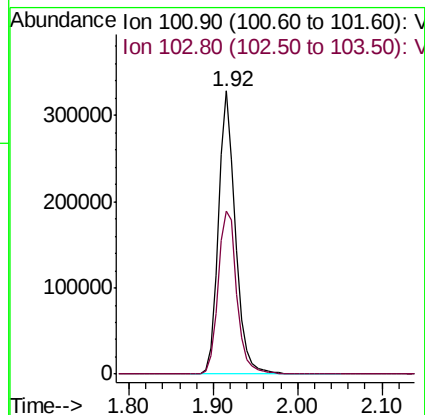
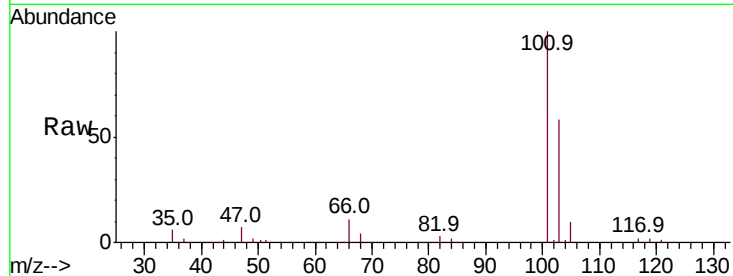


#7

Trichlorofluoromethane
 Concen: 92.154 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

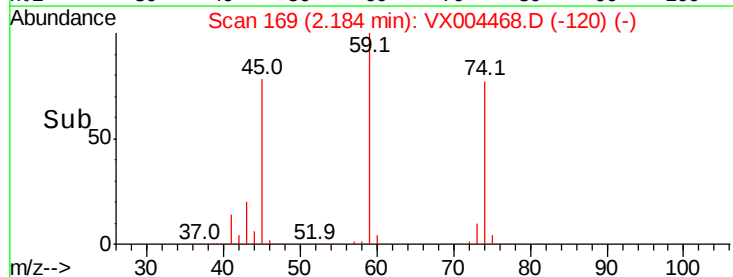
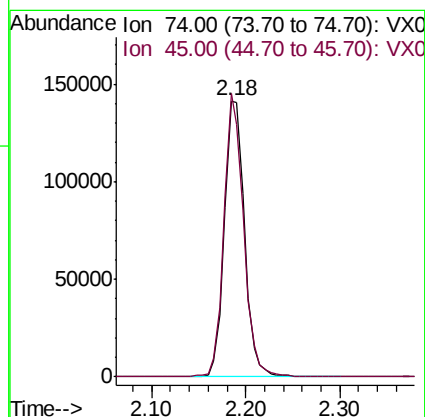
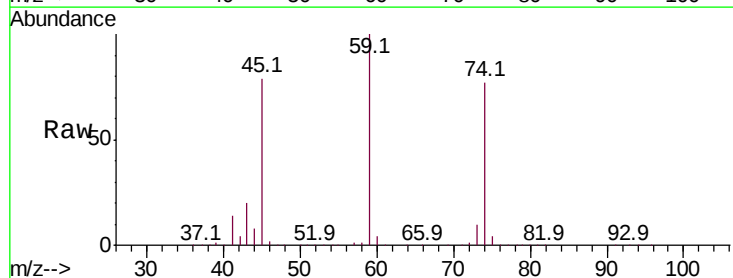
Tot Ion:101 Resp: 458439
 Ion Ratio Lower Upper
 101 100
 103 57.5 48.9 73.3

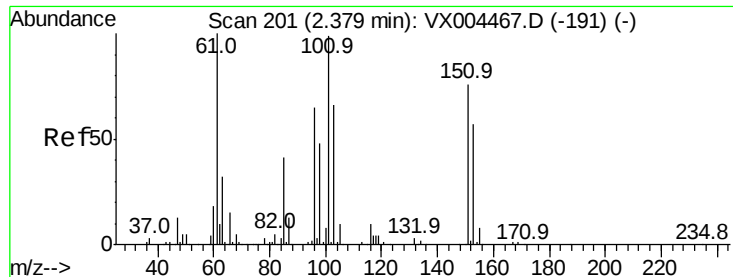


#8

Diethyl Ether
 Concen: 94.310 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion: 74 Resp: 210330
 Ion Ratio Lower Upper
 74 100
 45 99.4 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.905 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

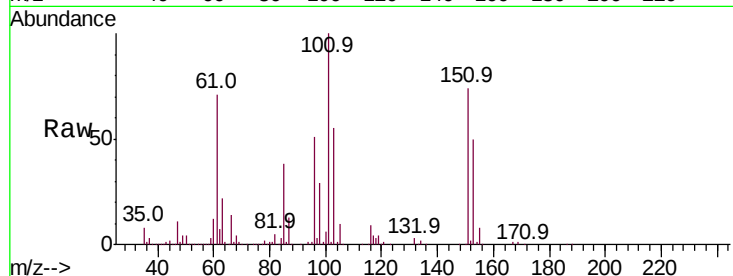
Tot Ion:101 Resp: 290033

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.4

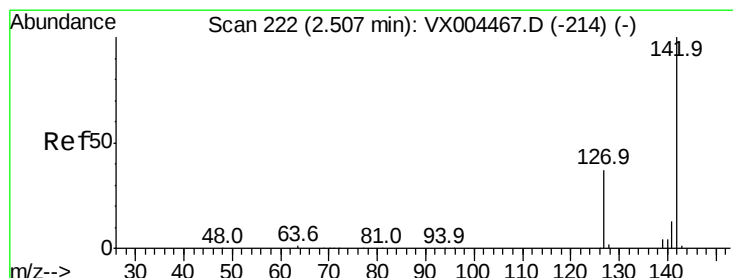
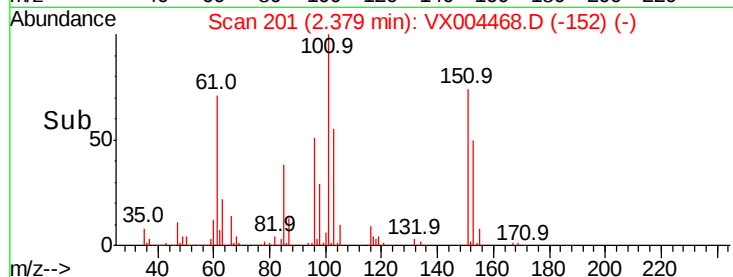
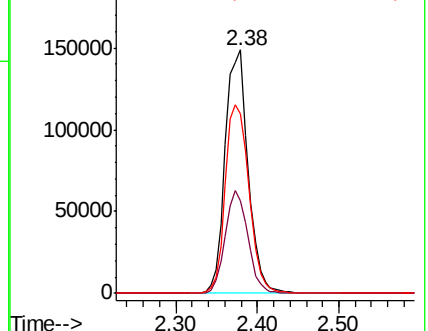
151 80.2 65.0 97.6



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: 105.171 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

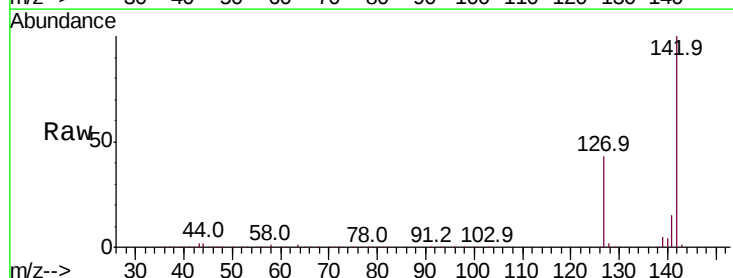
Tgt Ion:142 Resp: 365023

Ion Ratio Lower Upper

142 100

127 41.1 33.8 50.6

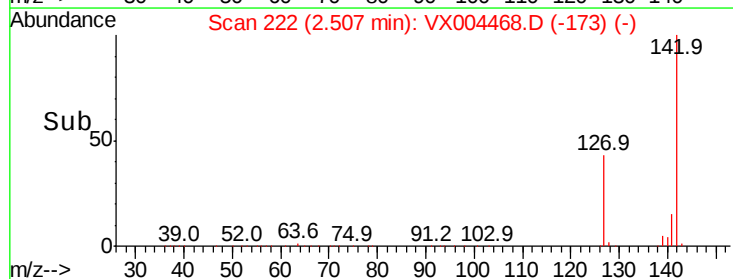
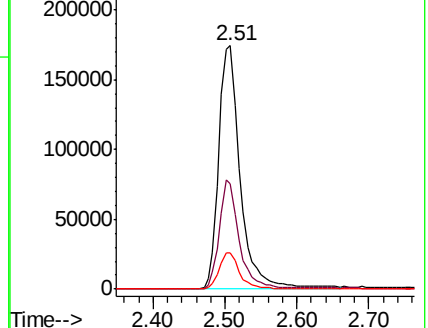
141 14.2 11.4 17.0

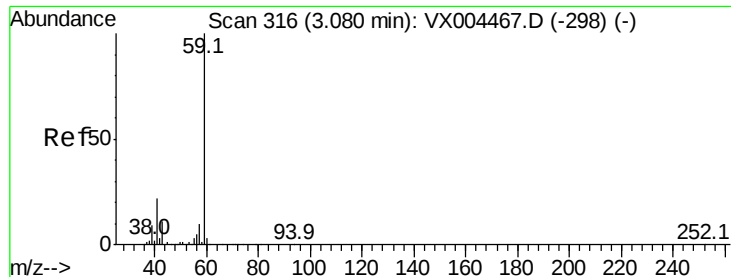


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



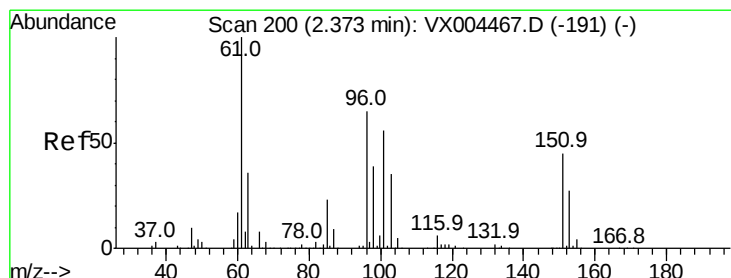
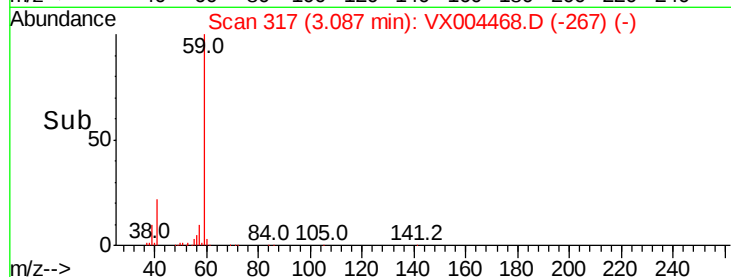
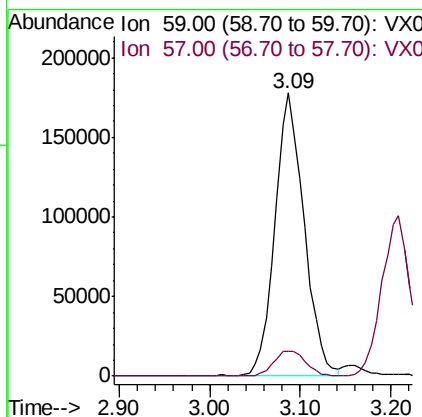
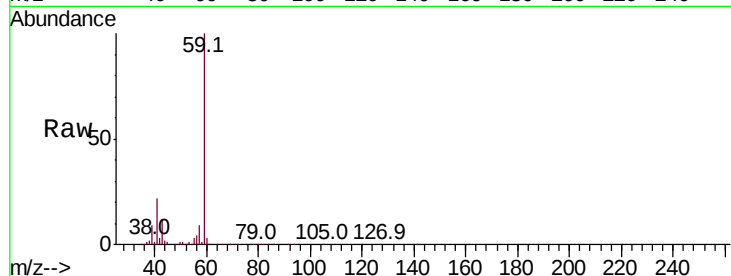


#11

Tert butyl alcohol
 Concen: 455.466 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

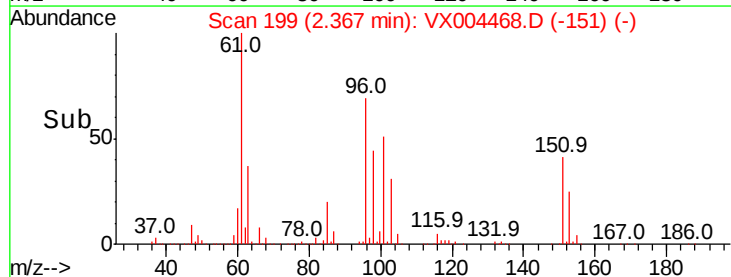
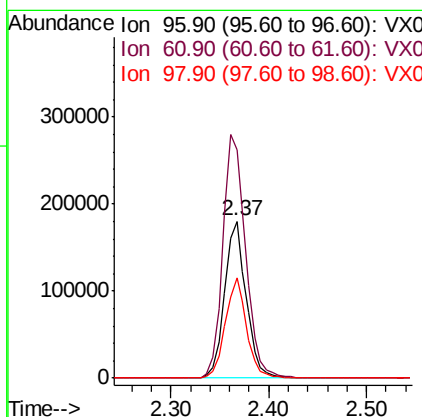
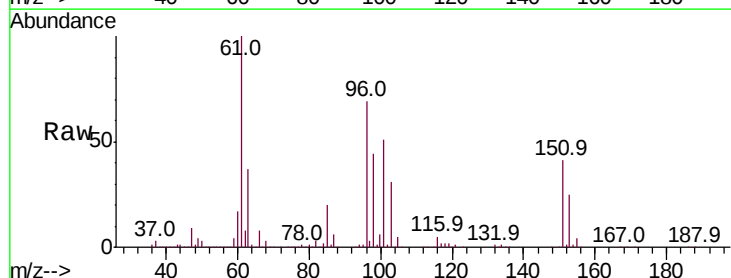
Tot Ion: 59 Resp: 397232
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.4

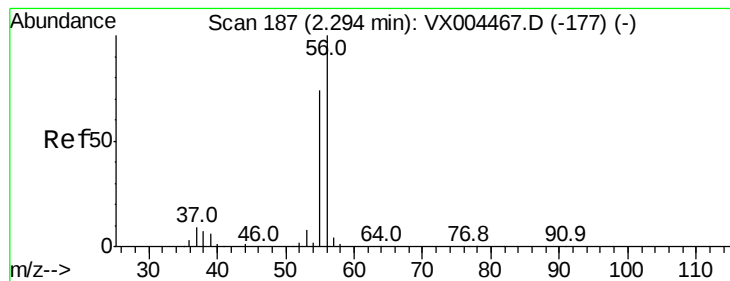


#12

1,1-Dichloroethene
 Concen: 93.014 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion: 96 Resp: 275496
 Ion Ratio Lower Upper
 96 100
 61 145.6 128.8 193.2
 98 64.1 52.2 78.2





#13

Acrolein

Concen: 462.978 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

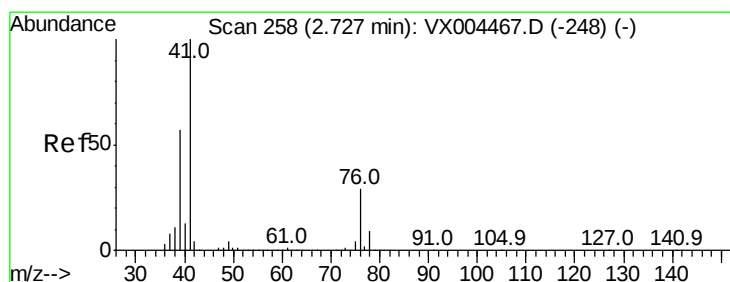
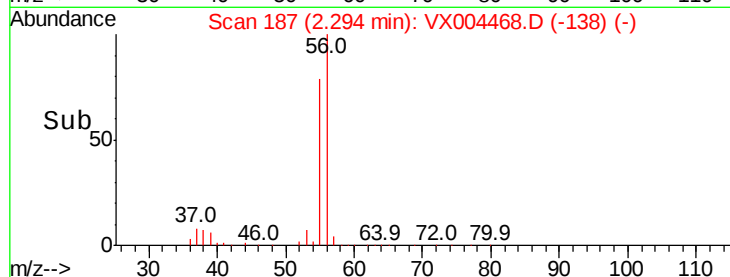
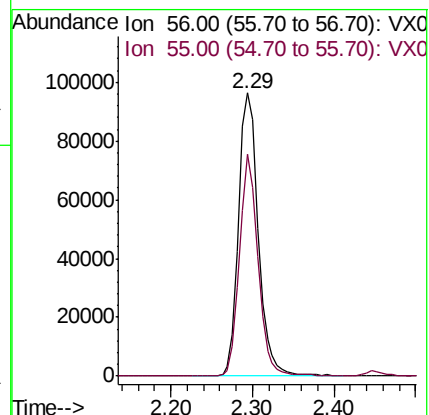
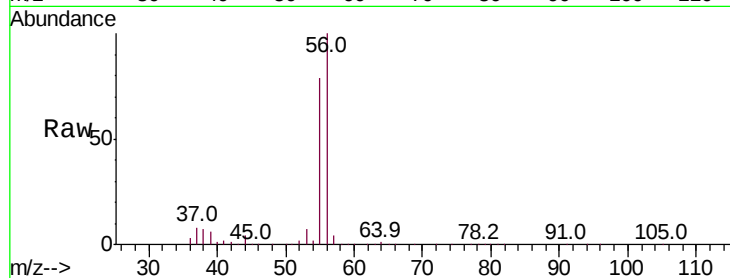
VSTDICC100

Tot Ion: 56 Resp: 159391

Ion Ratio Lower Upper

56 100

55 73.5 54.7 82.1



#14

Allyl chloride

Concen: 91.021 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

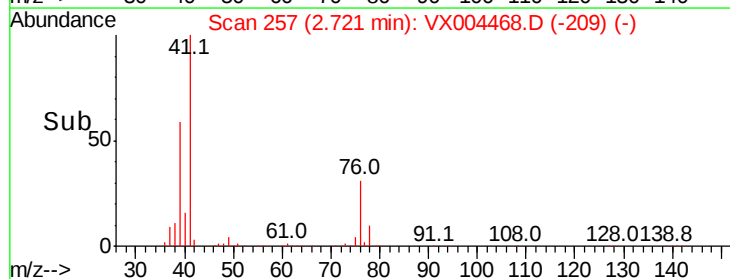
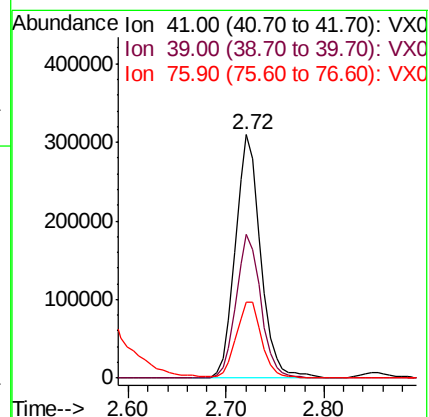
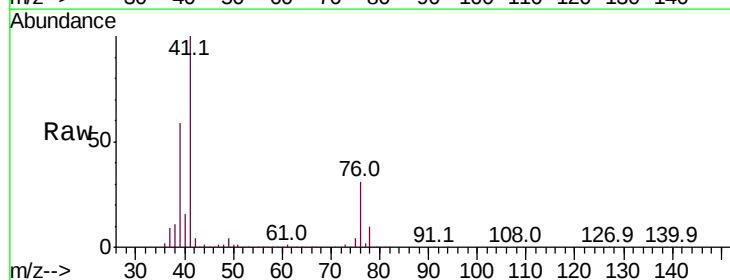
Tgt Ion: 41 Resp: 554249

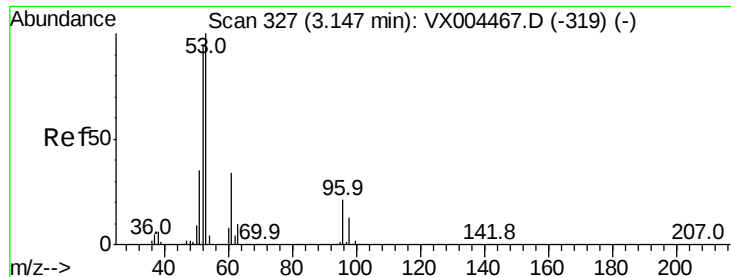
Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

76 31.7 26.7 40.1





#15

Acrylonitrile

Concen: 484.357 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

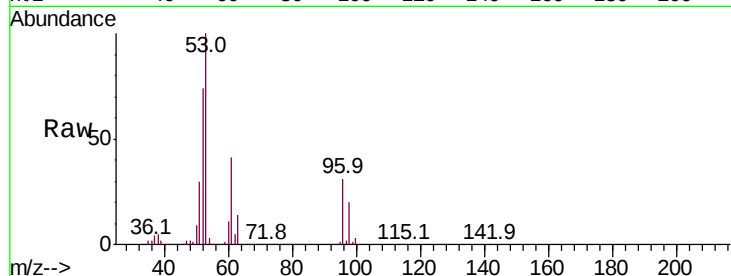
Tot Ion: 53 Resp: 1017260

Ion Ratio Lower Upper

53 100

52 78.3 65.2 97.8

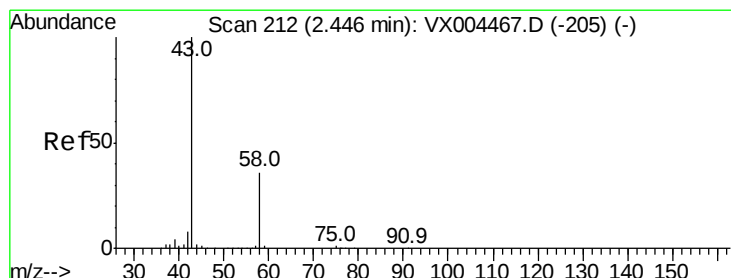
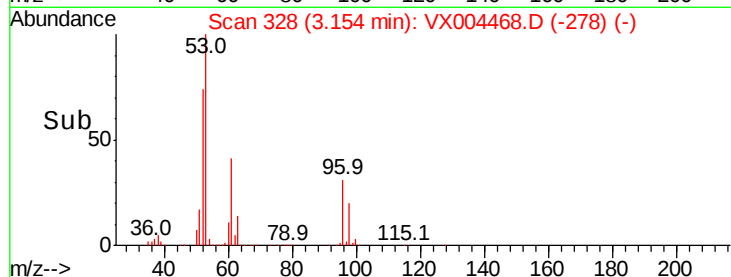
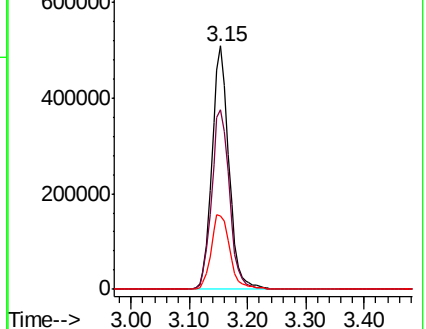
51 34.1 28.2 42.2



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: 424.649 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004468.D

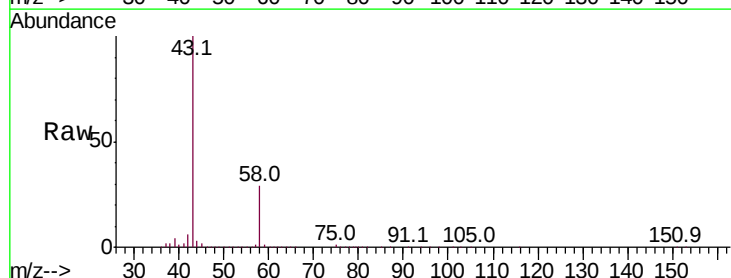
Acq: 11 Sep 2018 14:20

Tgt Ion: 43 Resp: 757546

Ion Ratio Lower Upper

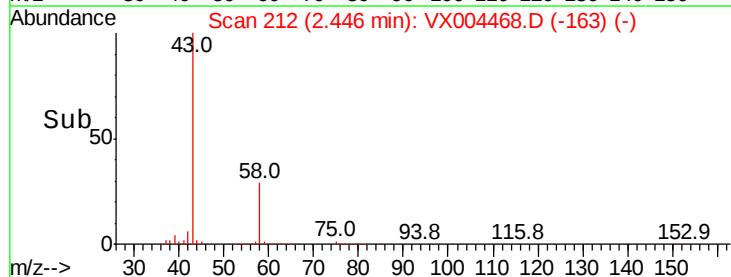
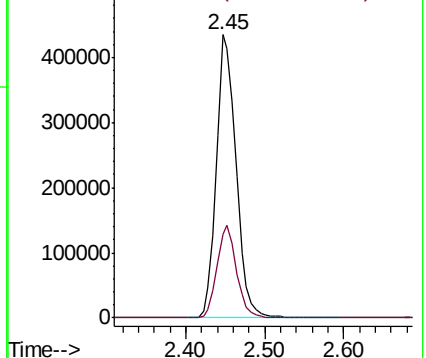
43 100

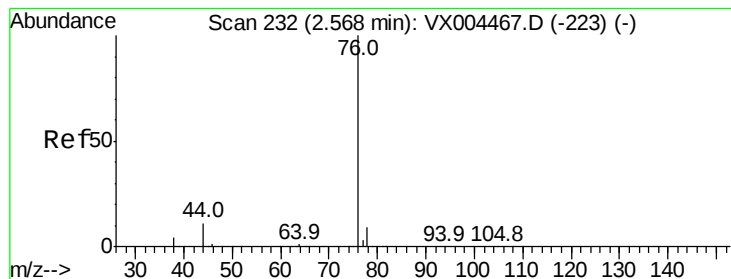
58 29.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 97.031 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

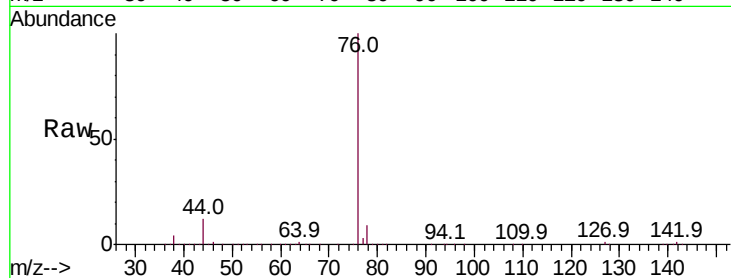
VSTDIC100

Tot Ion: 76 Resp: 830704

Ion Ratio Lower Upper

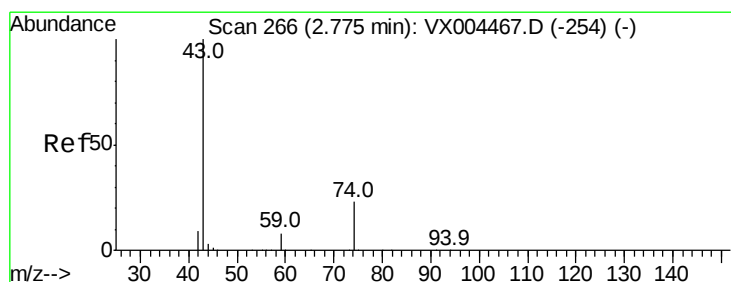
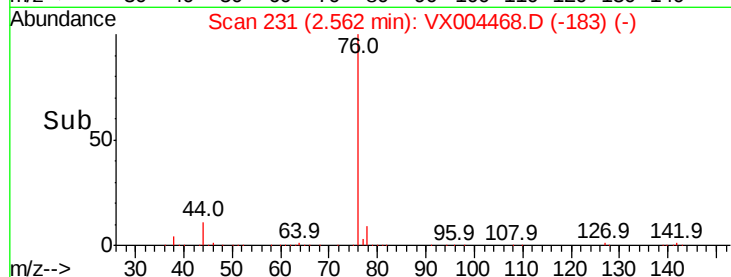
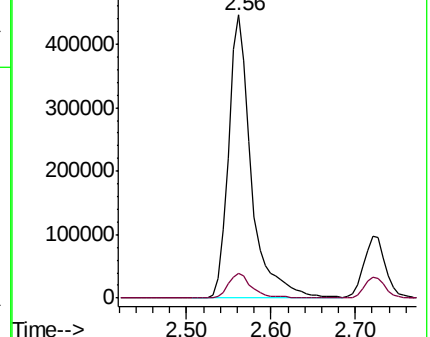
76 100

78 8.7 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: 88.030 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX004468.D

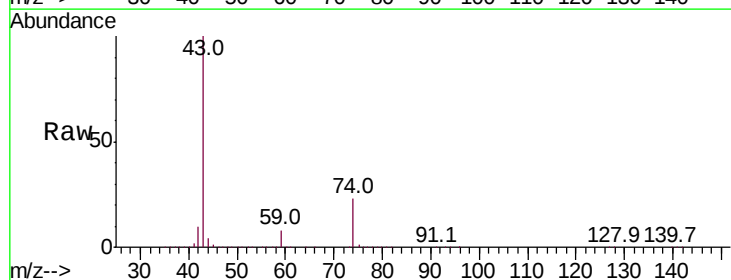
Acq: 11 Sep 2018 14:20

Tgt Ion: 43 Resp: 440586

Ion Ratio Lower Upper

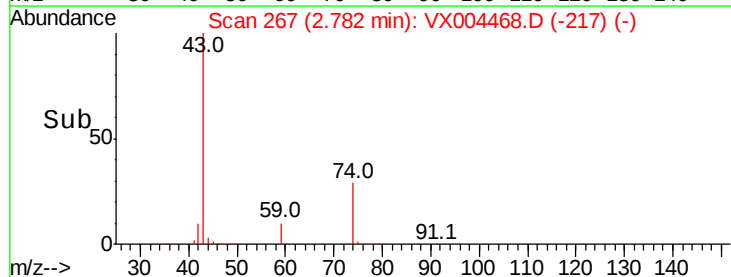
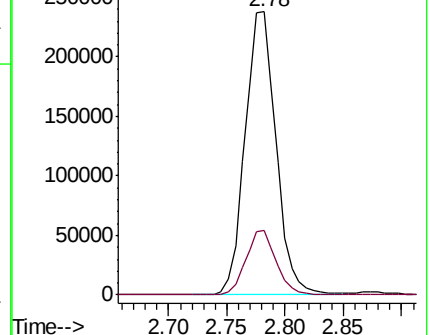
43 100

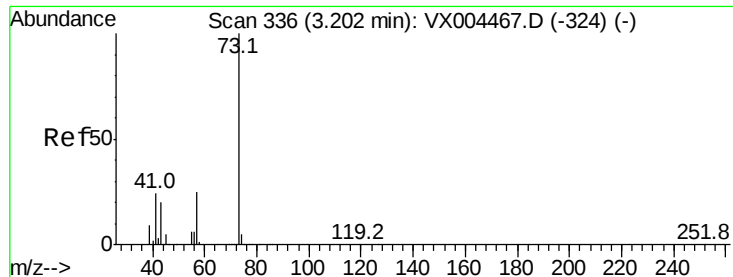
74 22.4 19.4 29.2



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: 91.746 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

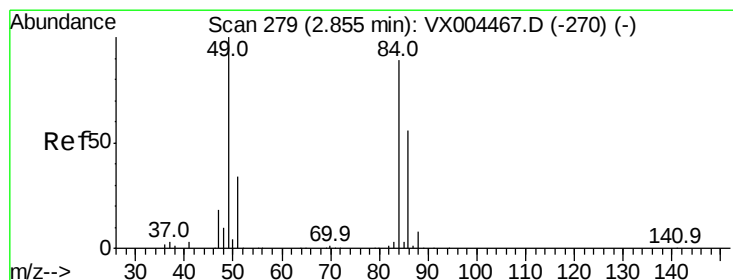
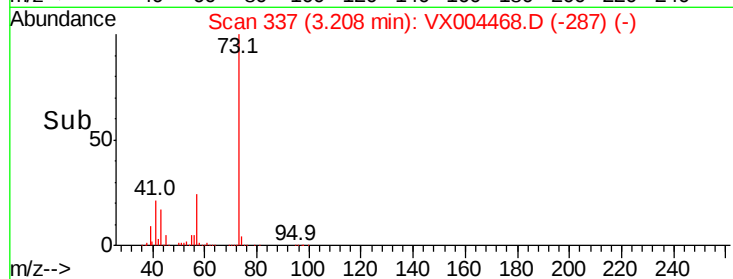
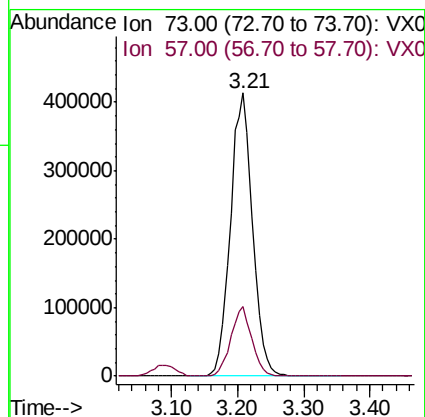
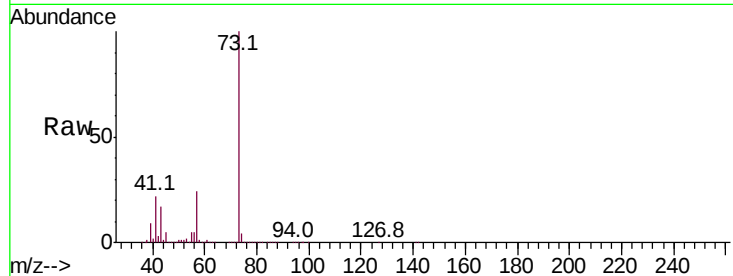
Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 953479

Ion	Ratio	Lower	Upper
73	100		
57	24.4	17.1	25.7



#20

Methylene Chloride

Concen: 88.431 ug/l

RT: 2.85 min Scan# 278

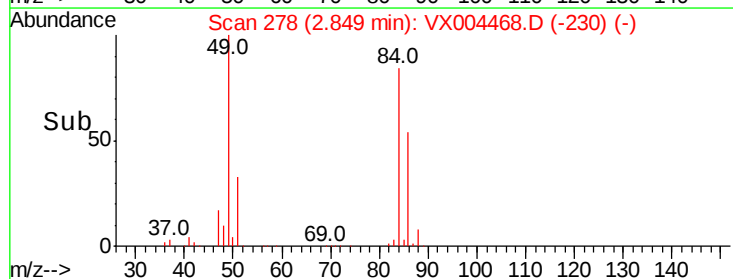
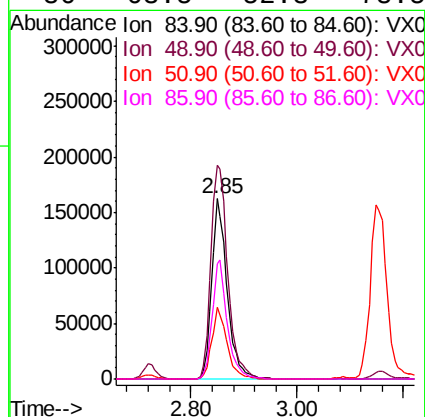
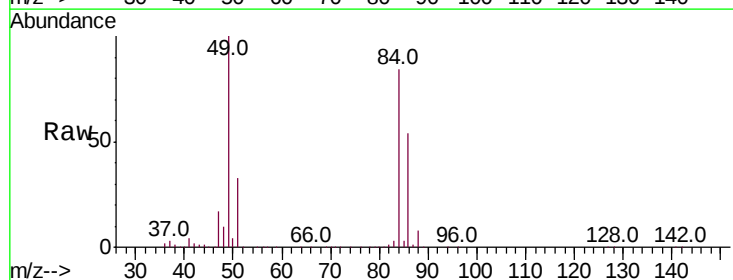
Delta R.T. -0.01 min

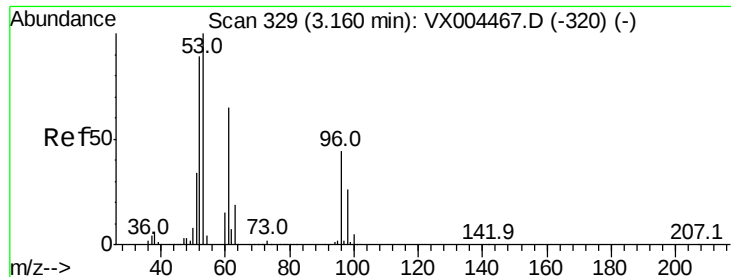
Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion: 84 Resp: 323617

Ion	Ratio	Lower	Upper
84	100		
49	118.3	101.2	151.8
51	39.4	29.5	44.3
86	63.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 95.532 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

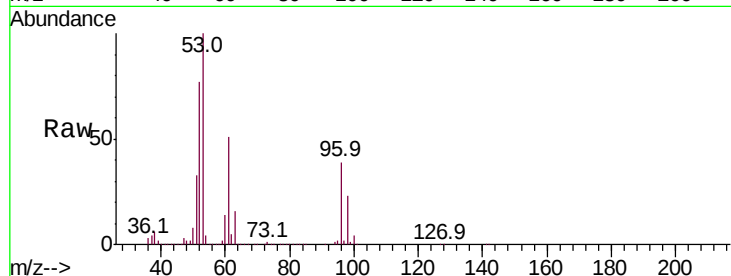
Tot Ion: 96 Resp: 312668

Ion Ratio Lower Upper

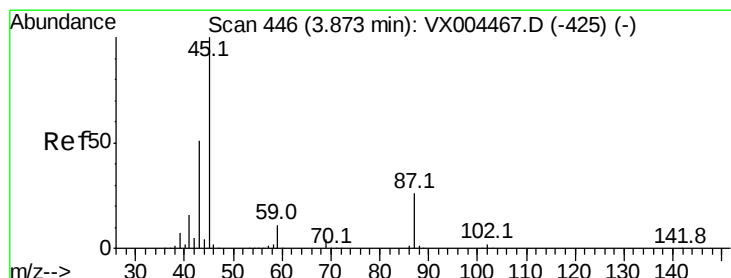
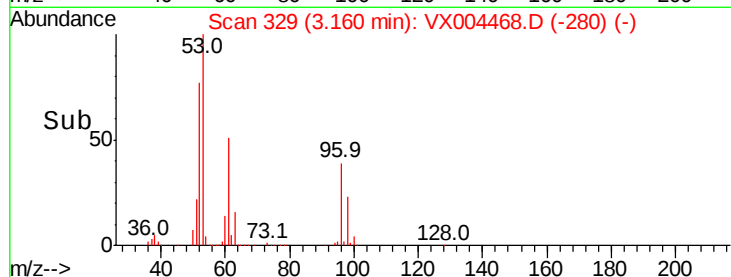
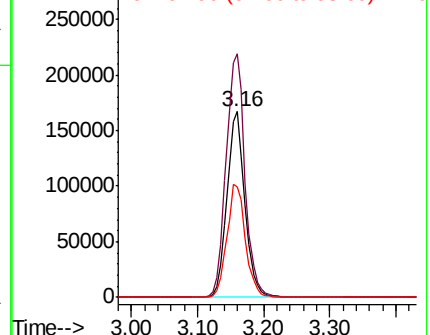
96 100

61 131.2 113.8 170.6

98 59.6 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: 94.324 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion: 45 Resp: 1034471

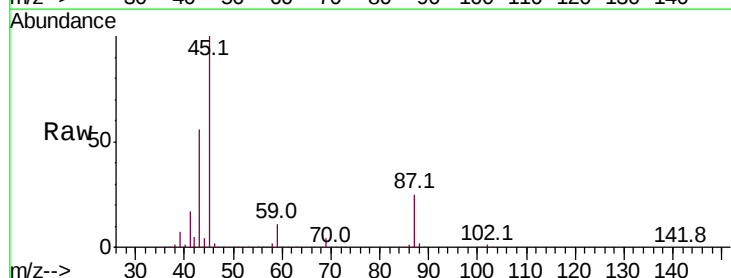
Ion Ratio Lower Upper

45 100

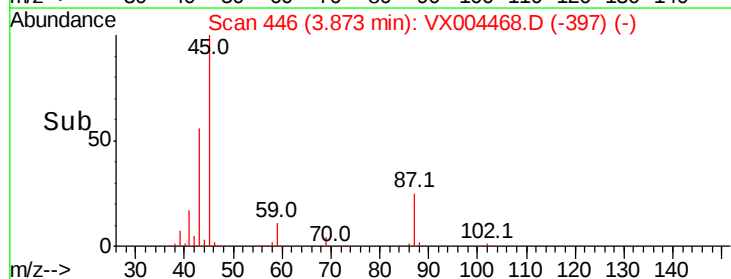
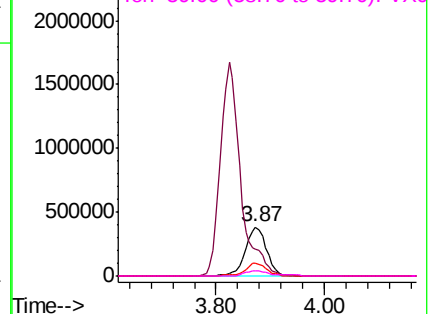
43 56.3 42.8 64.2

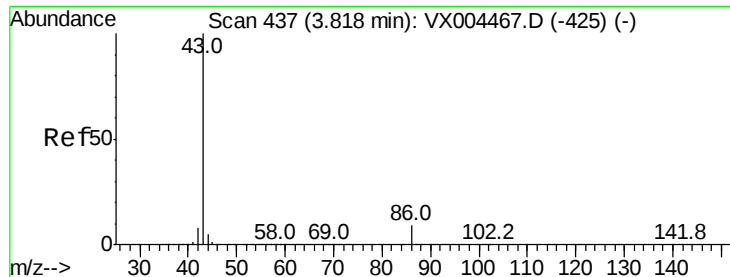
87 25.5 22.6 34.0

59 11.1 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: 488.145 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

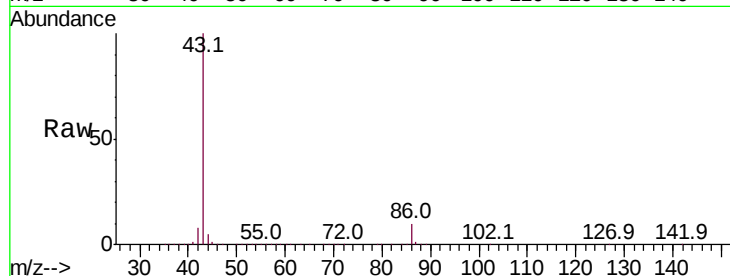
VSTDIC100

Tot Ion: 43 Resp: 4332327

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

3.82

1500000

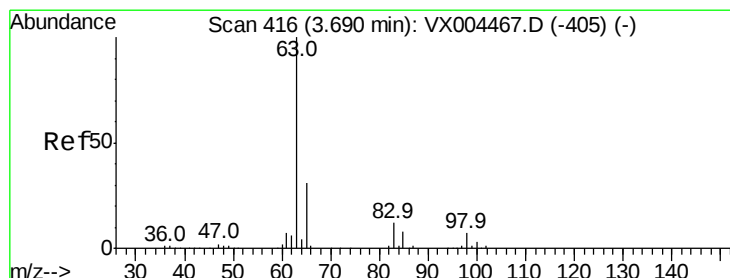
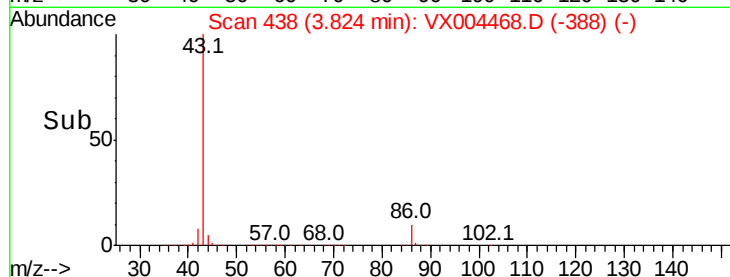
1000000

500000

0

Time-->

3.80 4.00



#24

1,1-Dichloroethane

Concen: 89.649 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

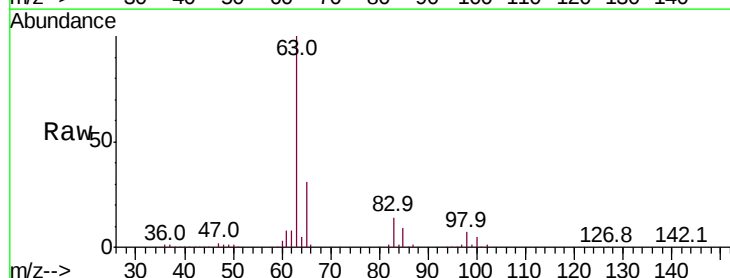
Tgt Ion: 63 Resp: 555092

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.7 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

300000

250000

200000

150000

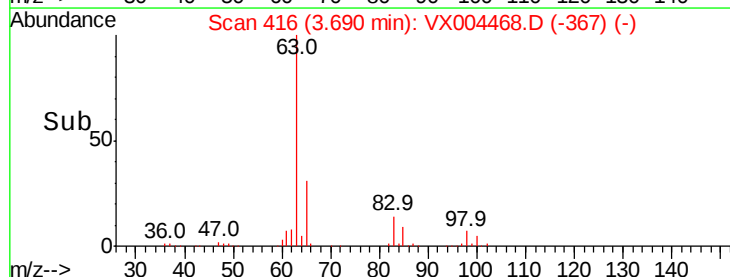
100000

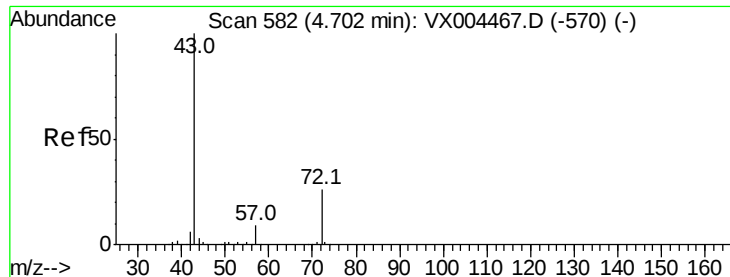
50000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 446.099 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

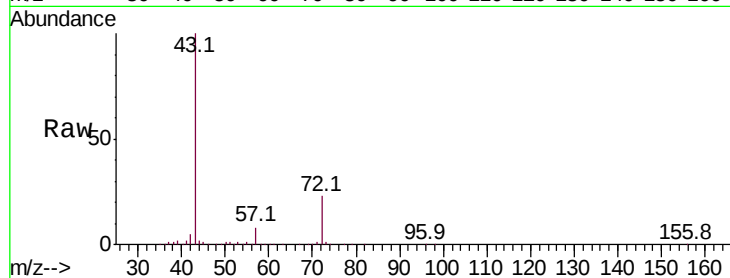
VSTDIC100

Tot Ion: 43 Resp: 1266545

Ion Ratio Lower Upper

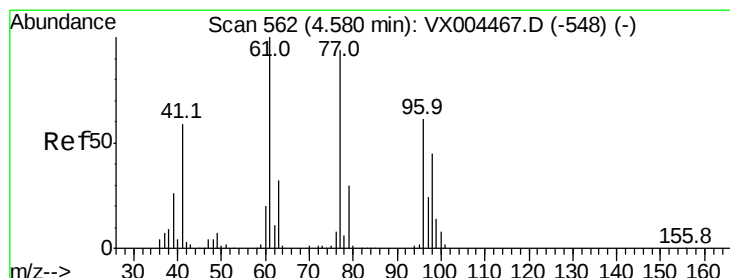
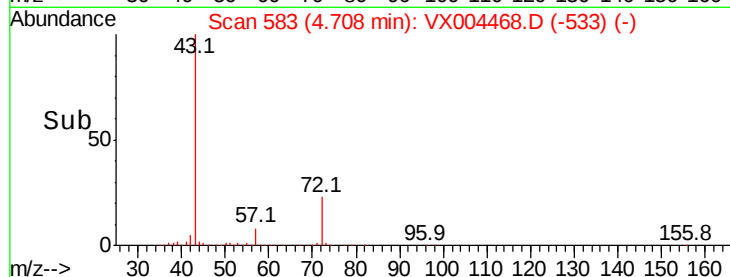
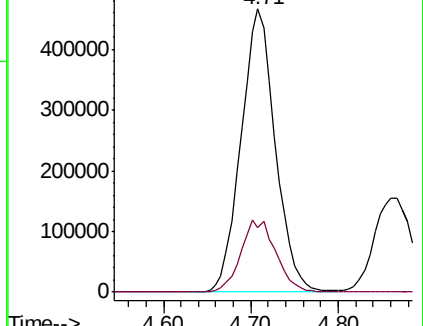
43 100

72 22.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 92.154 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004468.D

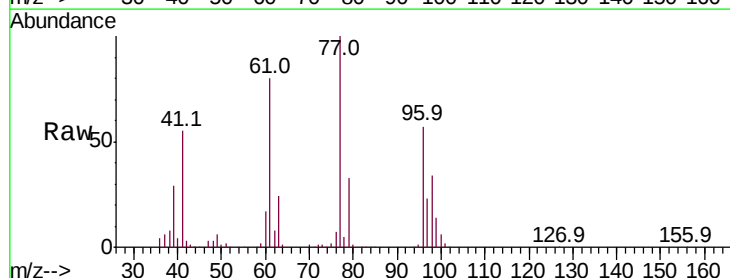
Acq: 11 Sep 2018 14:20

Tgt Ion: 77 Resp: 391908

Ion Ratio Lower Upper

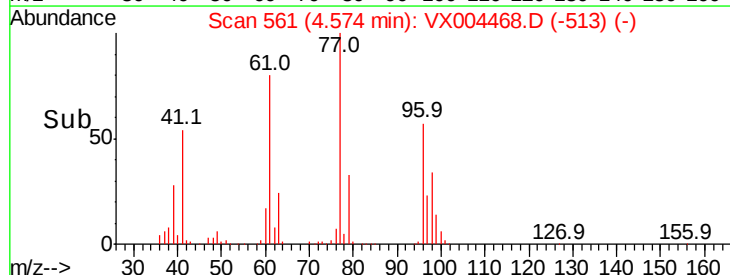
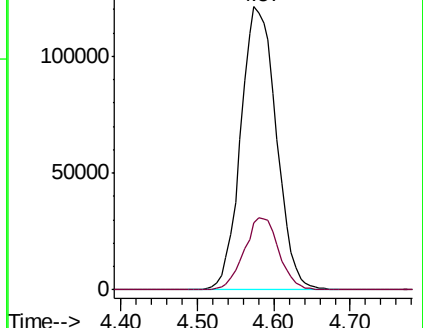
77 100

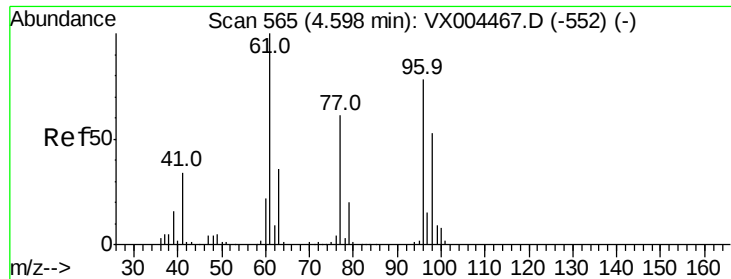
97 24.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



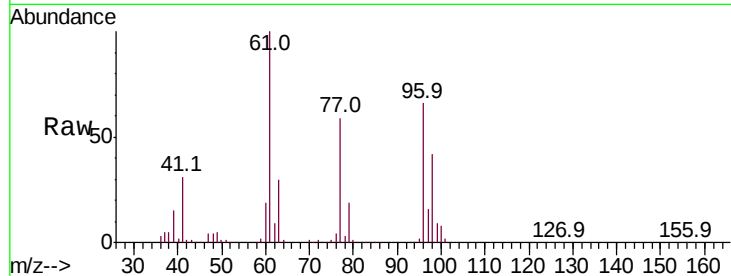


#27

cis-1,2-Dichloroethene
 Concen: 94.144 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	96	Resp	343963
Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	282.6
98	65.4	0.0	130.2

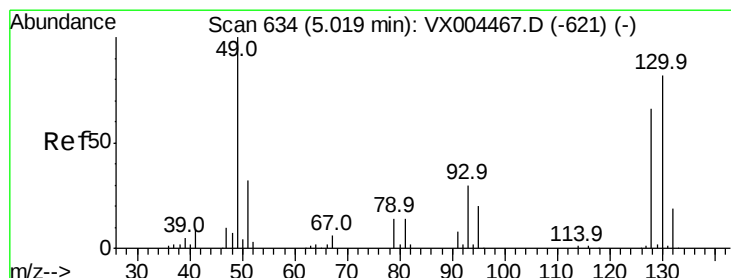
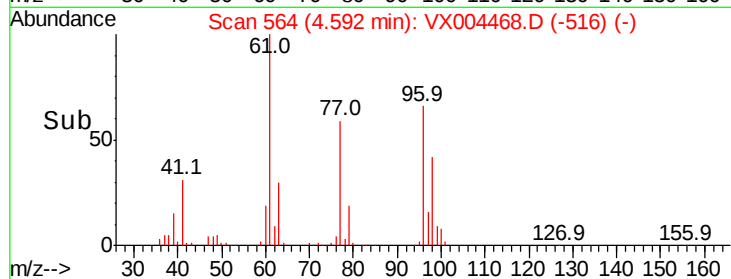
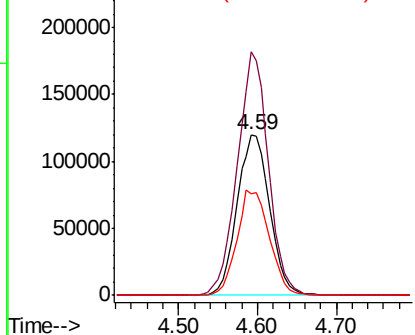


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

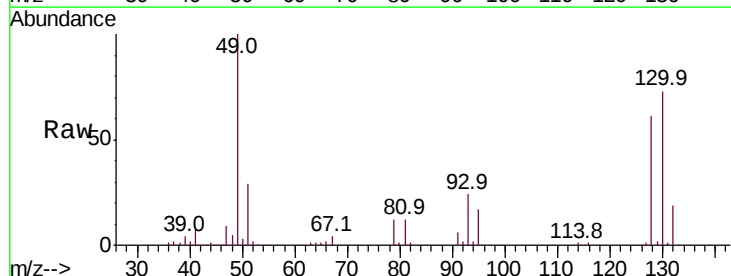
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 96.204 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion	49	Resp	272475
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	80.7	67.5	101.3

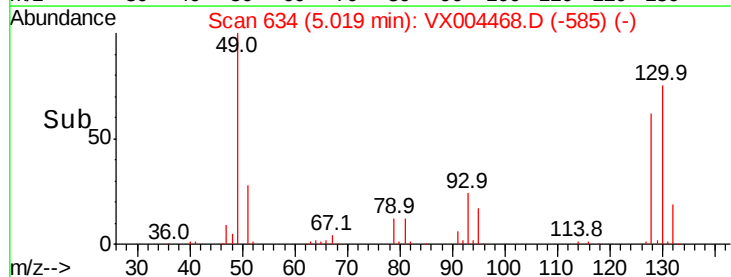
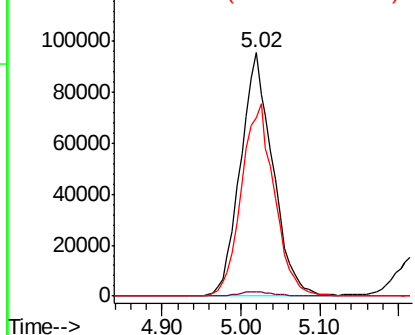


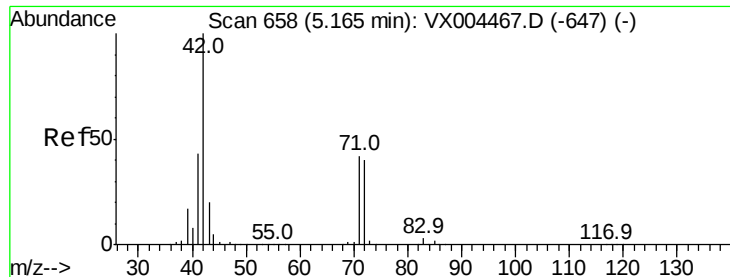
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 484.102 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

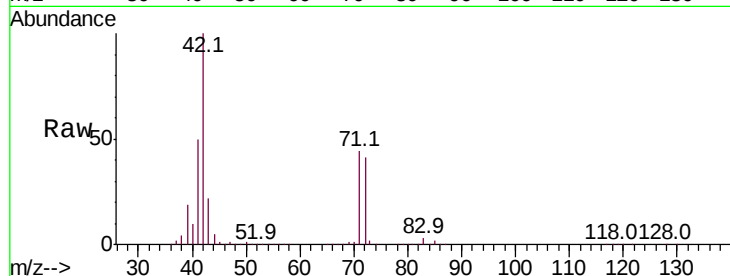
Tot Ion: 42 Resp: 828870

Ion Ratio Lower Upper

42 100

72 42.9 37.4 56.0

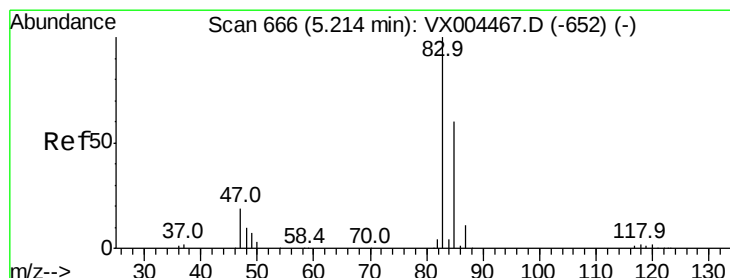
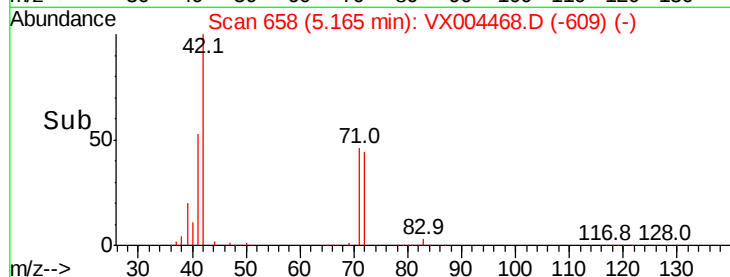
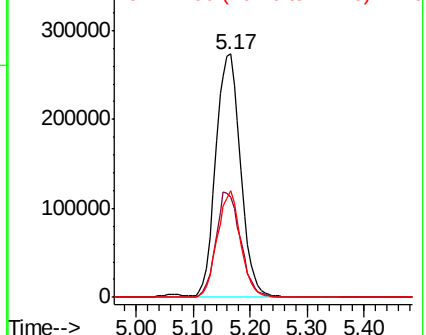
71 41.2 34.5 51.7



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: 91.101 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004468.D

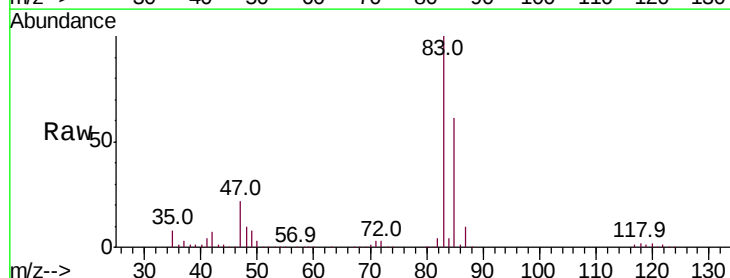
Acq: 11 Sep 2018 14:20

Tgt Ion: 83 Resp: 550711

Ion Ratio Lower Upper

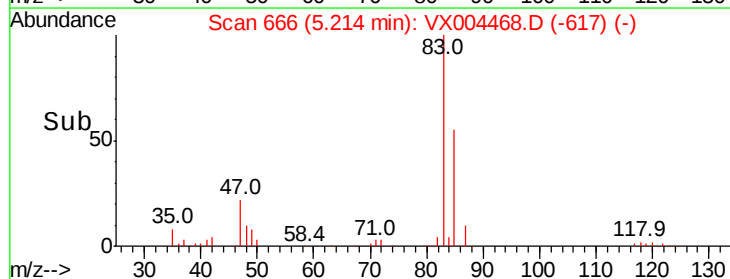
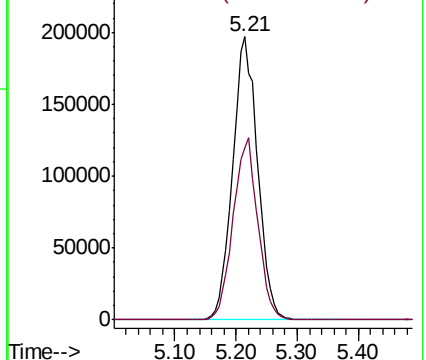
83 100

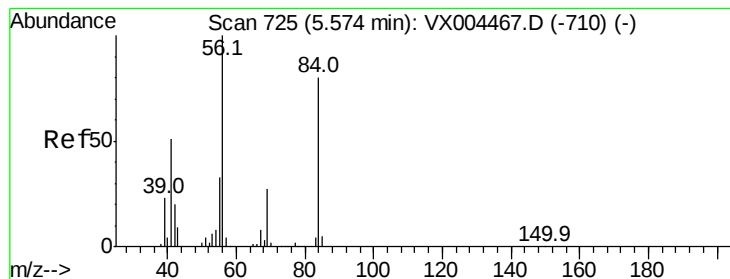
85 60.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 100.537 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

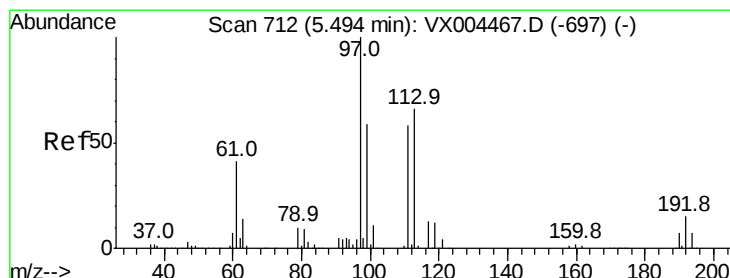
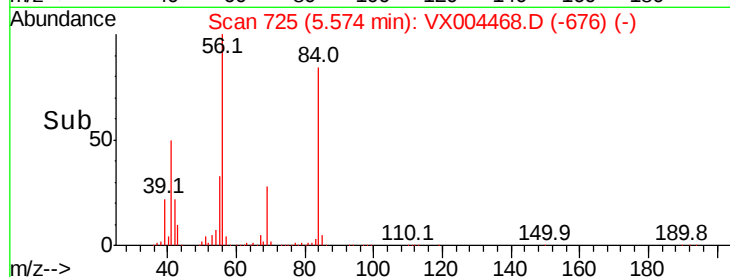
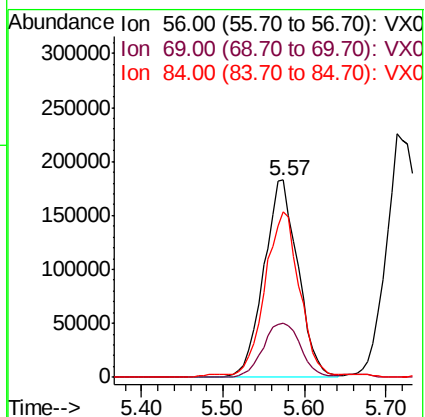
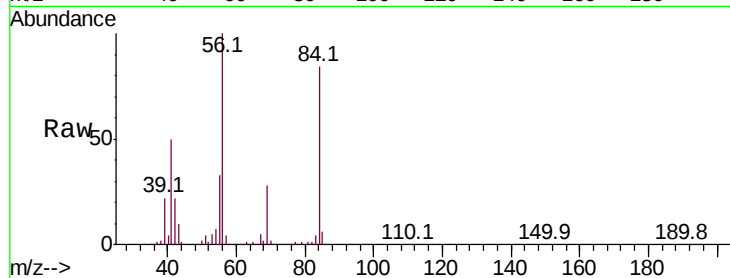
Tot Ion: 56 Resp: 531548

Ion Ratio Lower Upper

56 100

69 27.8 25.4 38.2

84 83.6 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 94.134 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

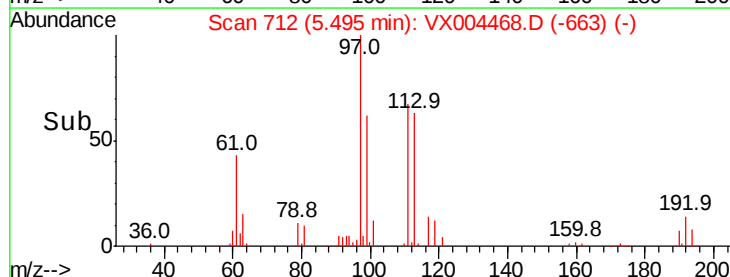
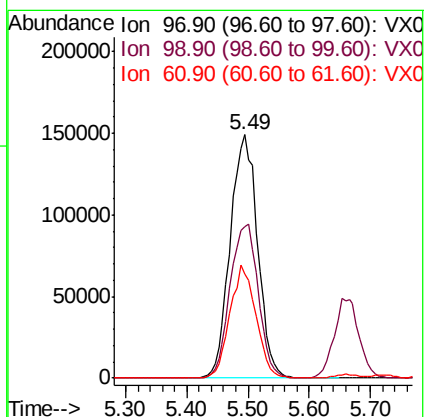
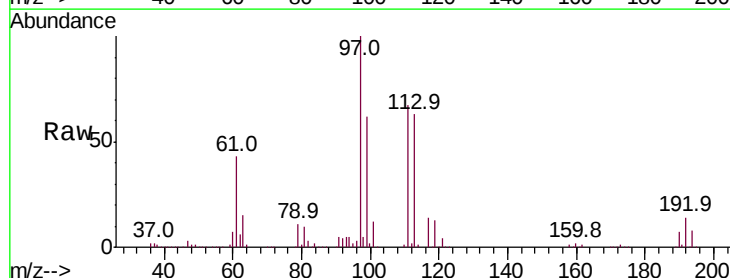
Tgt Ion: 97 Resp: 458314

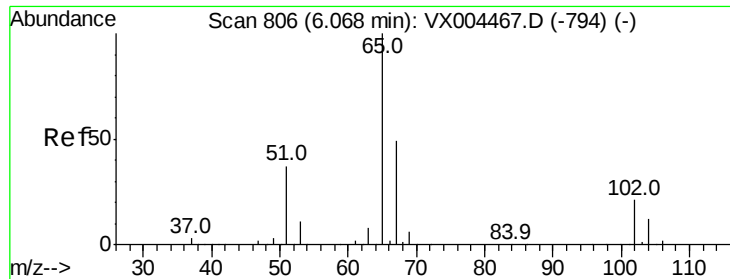
Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

61 44.2 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 88.138 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

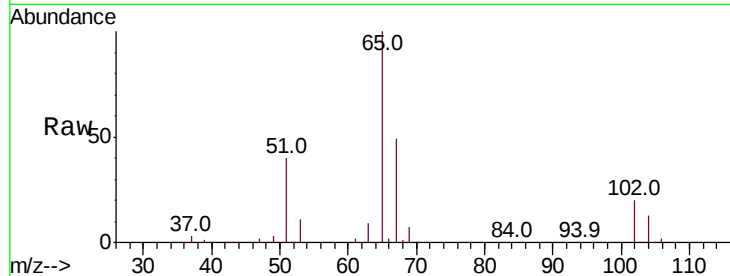
VSTDIC100

Tot Ion: 65 Resp: 322145

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

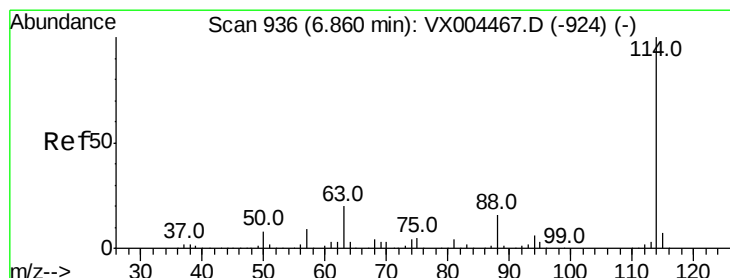
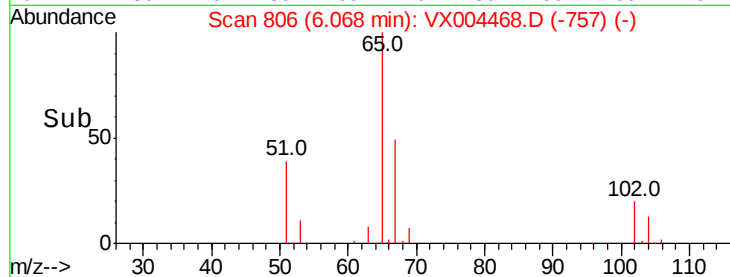
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

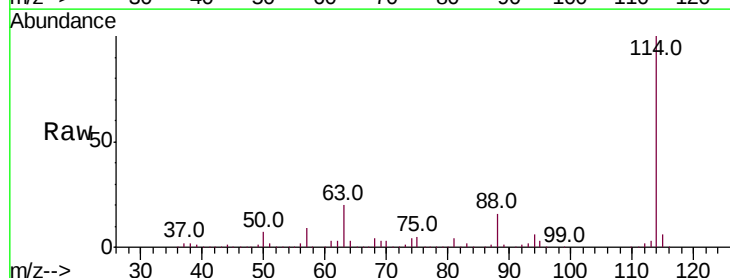
Tgt Ion: 114 Resp: 354928

Ion Ratio Lower Upper

114 100

63 20.2 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

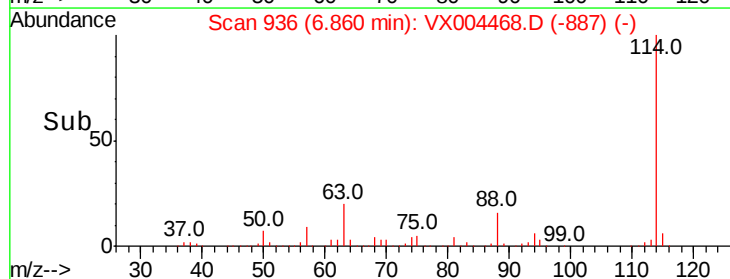
150000

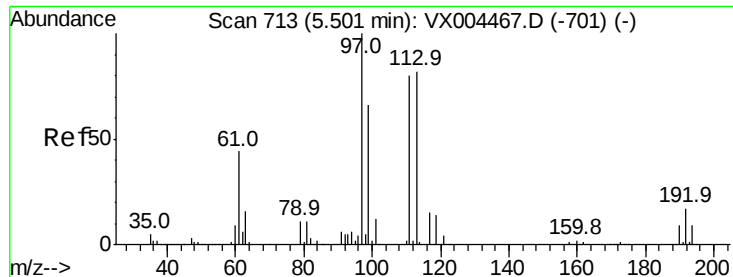
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 94.839 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

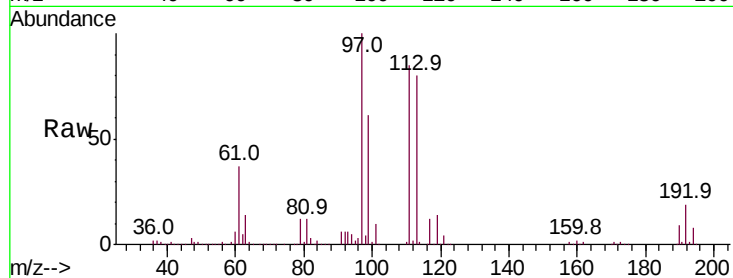
Tot Ion:113 Resp: 308031

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

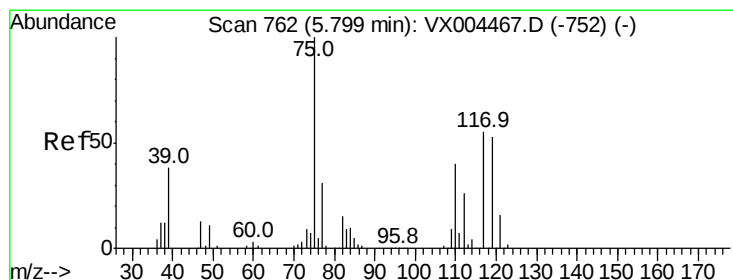
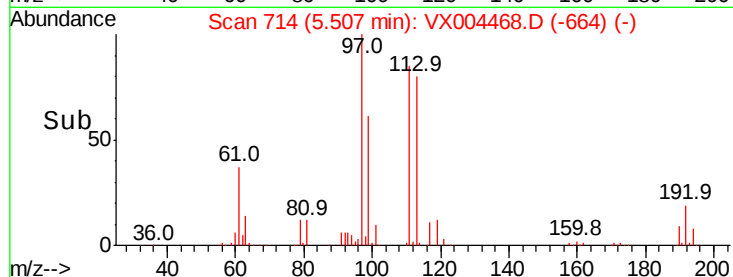
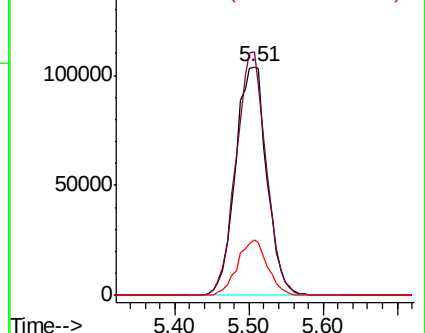
192 23.2 19.4 29.2



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: 96.044 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

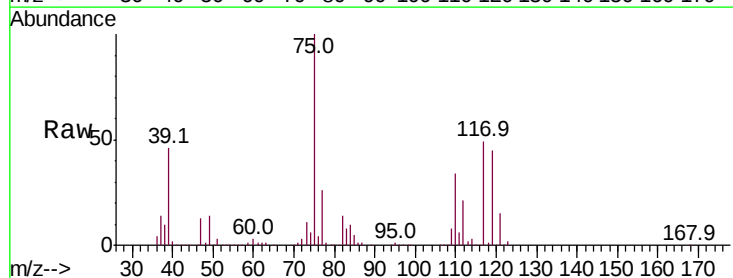
Tgt Ion: 75 Resp: 413856

Ion Ratio Lower Upper

75 100

110 36.6 18.0 54.0

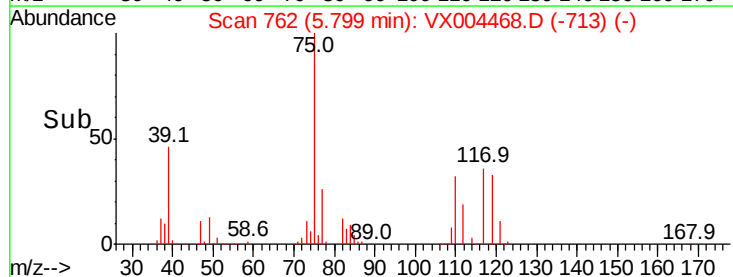
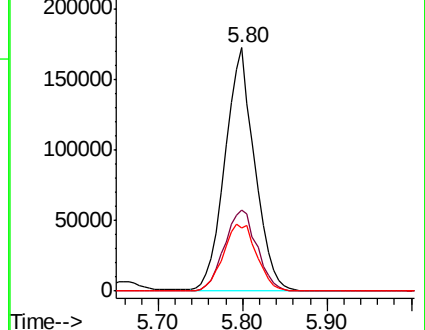
77 30.9 24.6 36.8

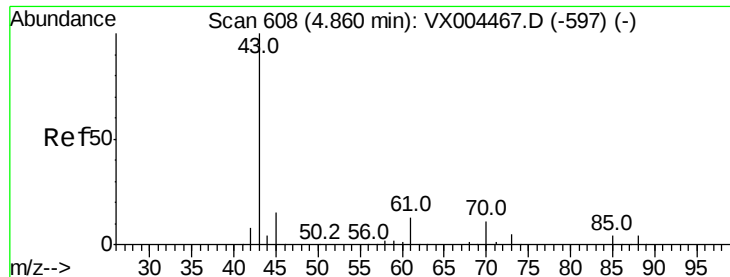


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 95.308 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

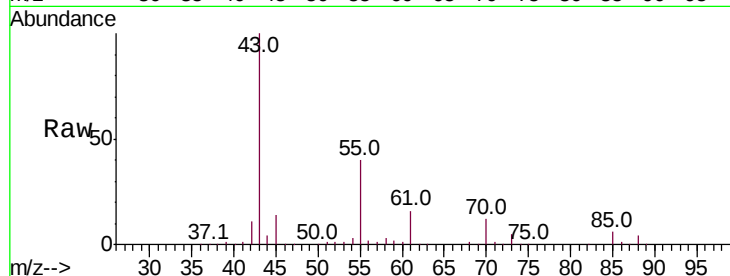
Tot Ion: 43 Resp: 467086

Ion Ratio Lower Upper

43 100

61 15.0 11.5 17.3

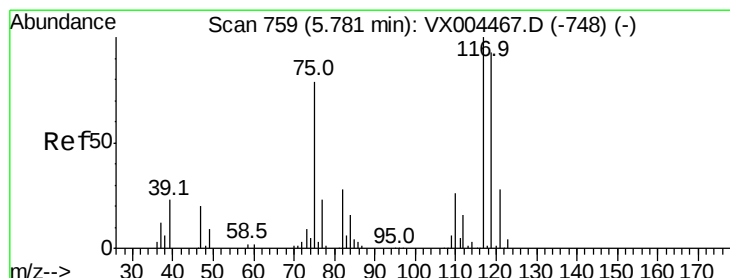
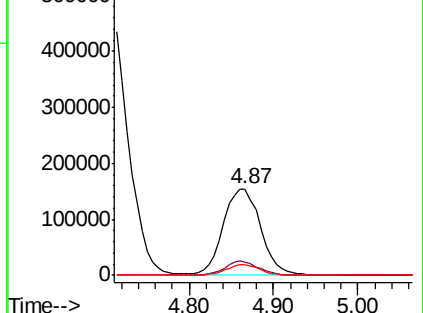
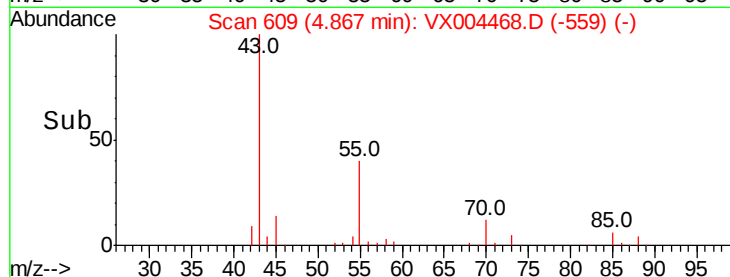
70 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 98.524 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

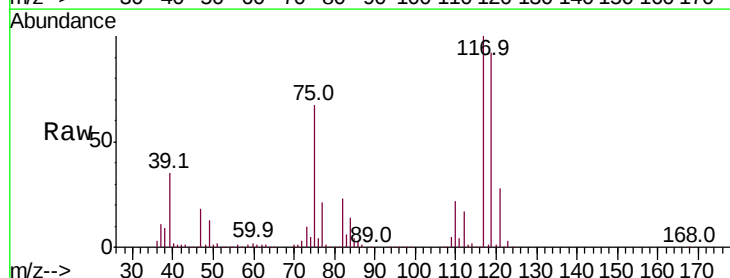
Tgt Ion: 117 Resp: 414659

Ion Ratio Lower Upper

117 100

119 92.4 78.8 118.2

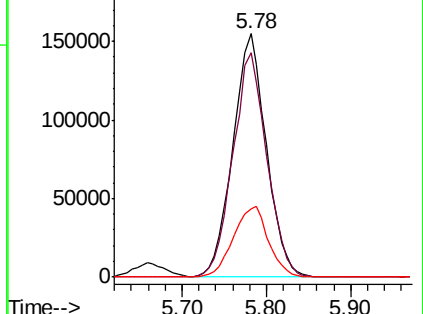
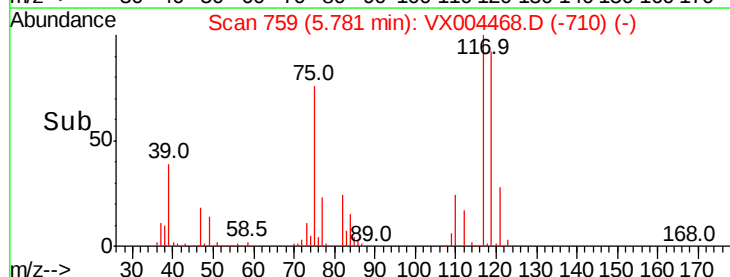
121 28.0 24.9 37.3

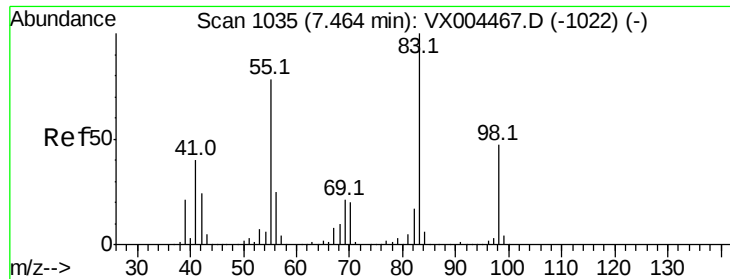


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

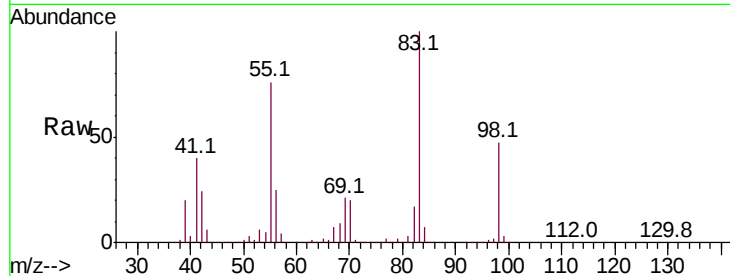




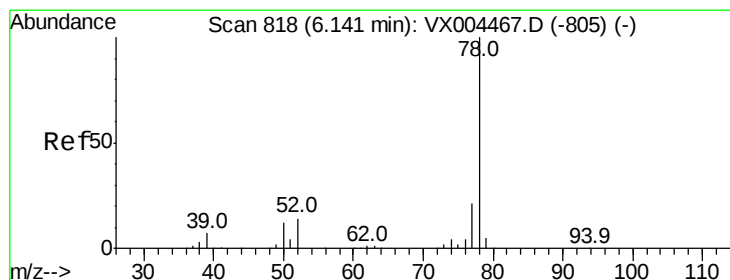
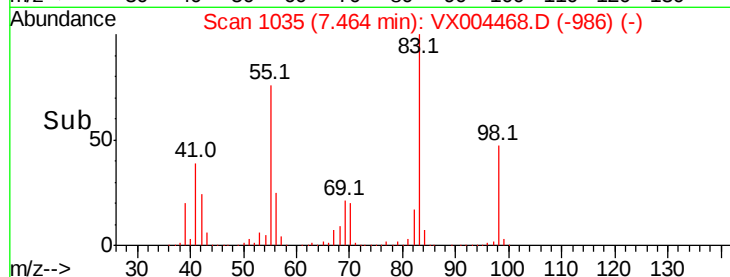
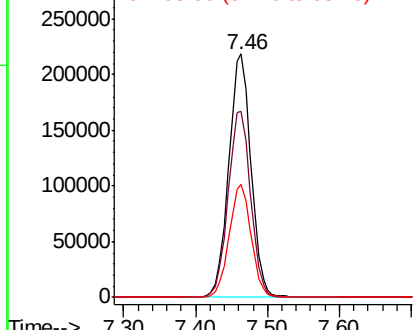
#39
Methvlcvclohexane
Concen: 104.495 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 83 Resp: 469869
Ion Ratio Lower Upper
83 100
55 76.3 61.0 91.4
98 46.6 39.6 59.4

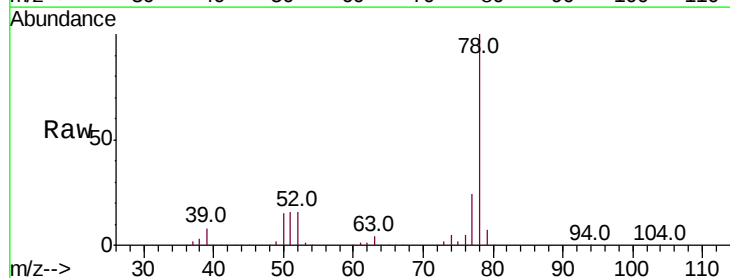


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

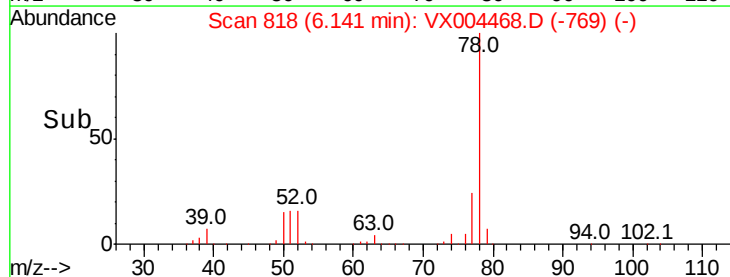
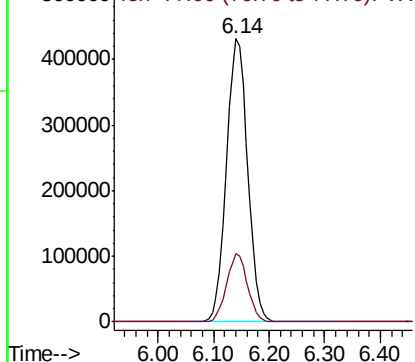


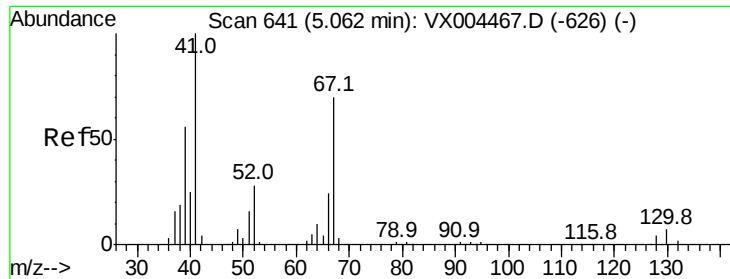
#40
Benzene
Concen: 88.975 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 78 Resp: 1137549
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 99.333 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 268222

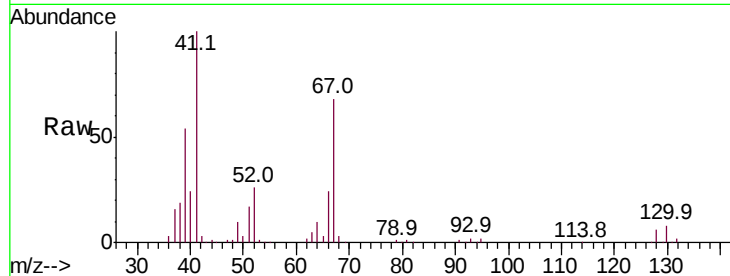
Ion Ratio Lower Upper

41 100

39 51.7 42.4 63.6

67 72.7 59.2 88.8

52 28.0 23.0 34.4

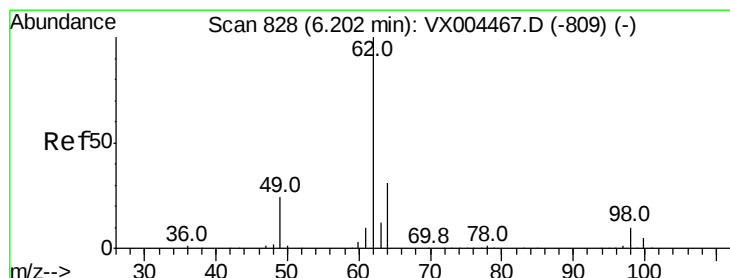
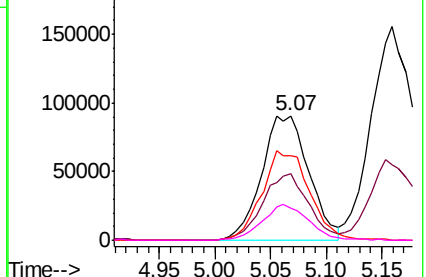
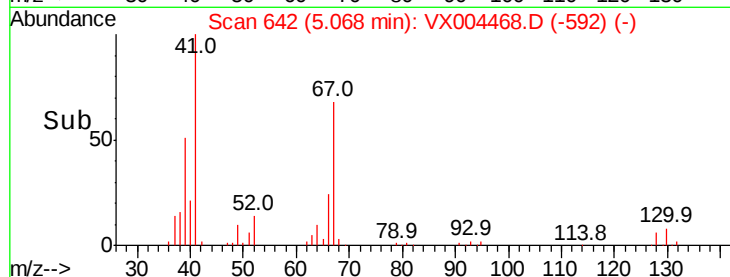


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 87.715 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX004468.D

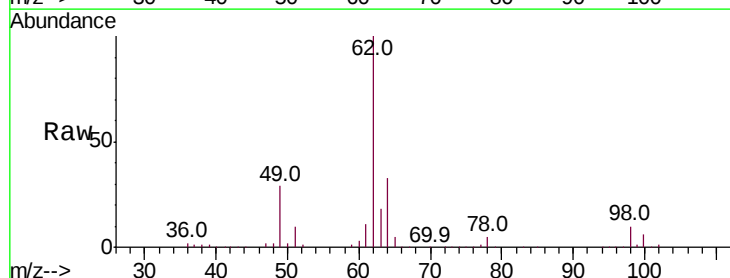
Acq: 11 Sep 2018 14:20

Tgt Ion: 62 Resp: 371946

Ion Ratio Lower Upper

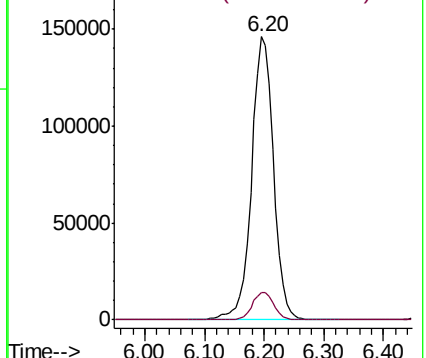
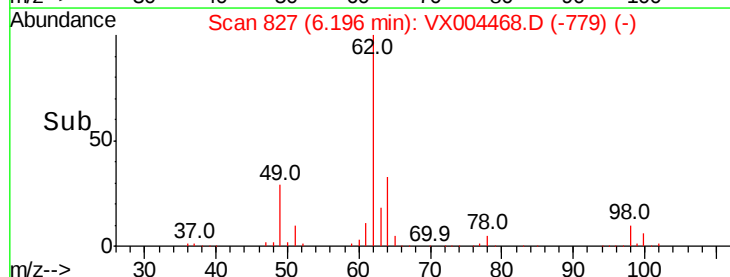
62 100

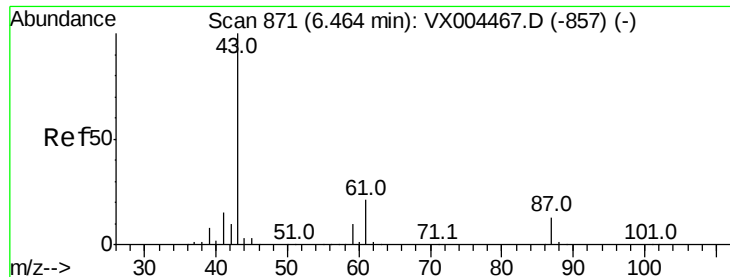
98 9.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 98.102 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

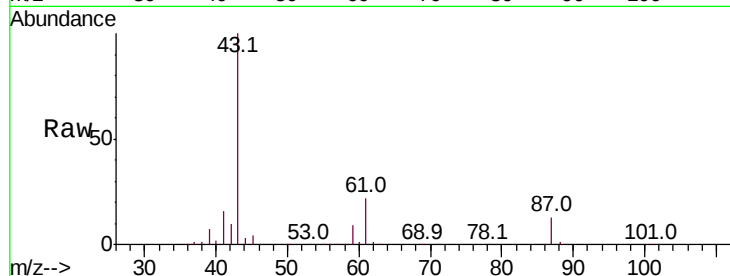
Tot Ion: 43 Resp: 638569

Ion Ratio Lower Upper

43 100

61 20.9 17.0 25.4

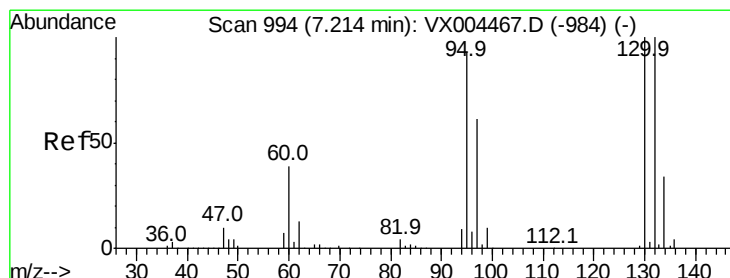
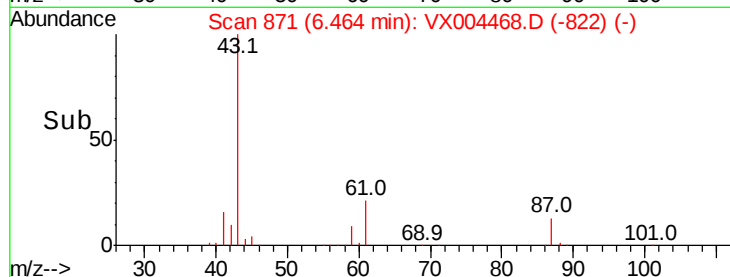
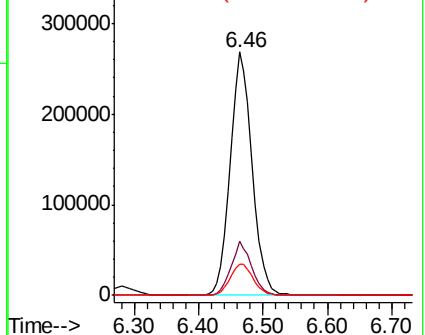
87 13.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX004467.D (-857) (-)

Ion 61.00 (60.70 to 61.70): VX004467.D (-857) (-)

Ion 87.00 (86.70 to 87.70): VX004467.D (-857) (-)



#44

Trichloroethene

Concen: 96.870 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004468.D

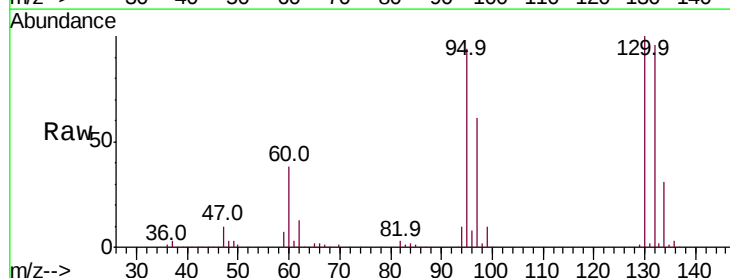
Acq: 11 Sep 2018 14:20

Tgt Ion:130 Resp: 321760

Ion Ratio Lower Upper

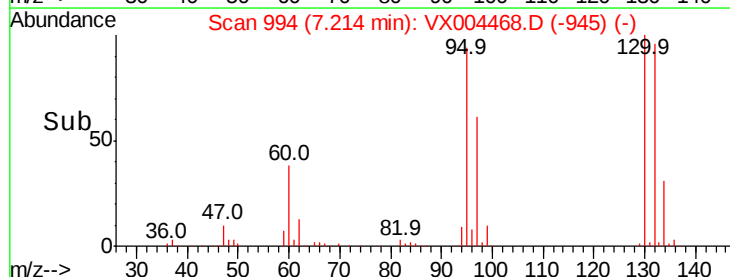
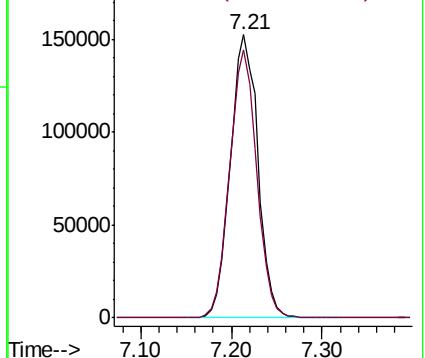
130 100

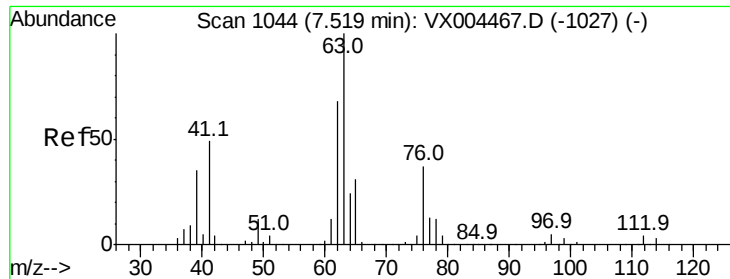
95 94.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX004467.D (-984) (-)

Ion 94.90 (94.60 to 95.60): VX004467.D (-984) (-)





#45

1,2-Dichloropropane

Concen: 97.156 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

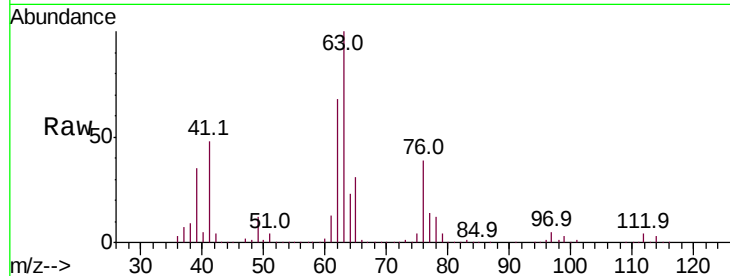
VSTDIC100

Tot Ion: 63 Resp: 298892

Ion Ratio Lower Upper

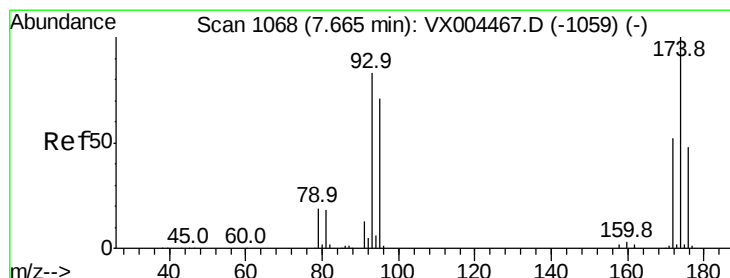
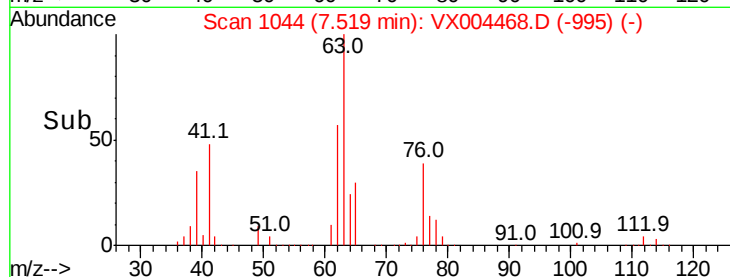
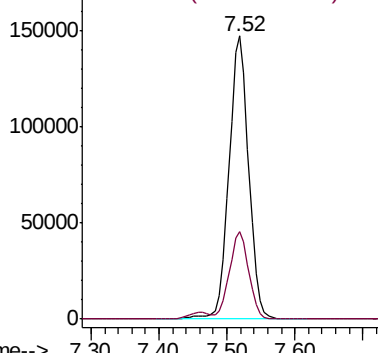
63 100

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



#46

Dibromomethane

Concen: 96.106 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

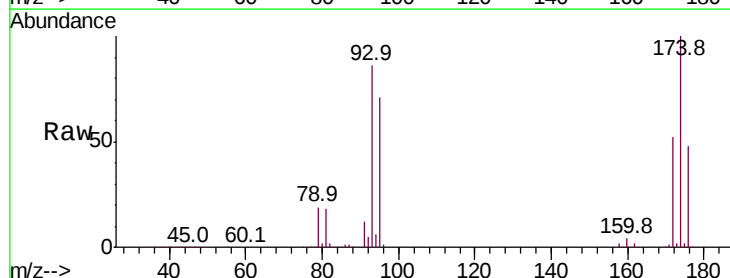
Tgt Ion: 93 Resp: 186783

Ion Ratio Lower Upper

93 100

95 83.5 65.5 98.3

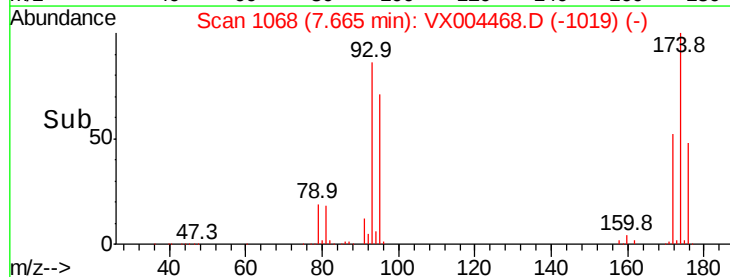
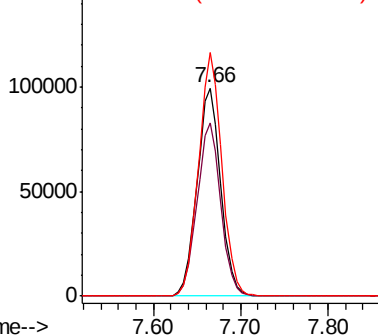
174 115.6 94.2 141.4

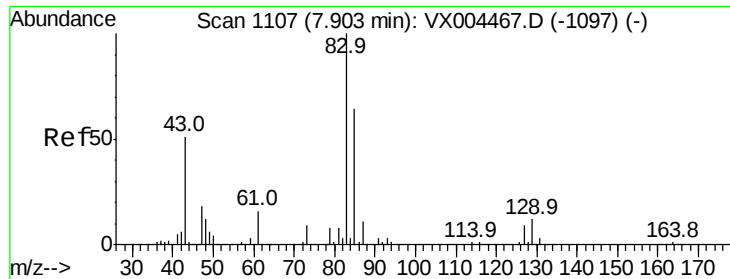


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 98.841 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

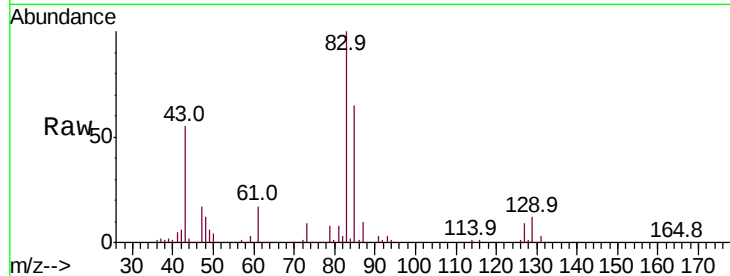
Tot Ion: 83 Resp: 363282

Ion Ratio Lower Upper

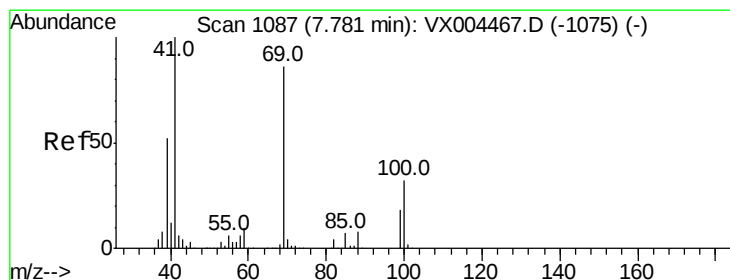
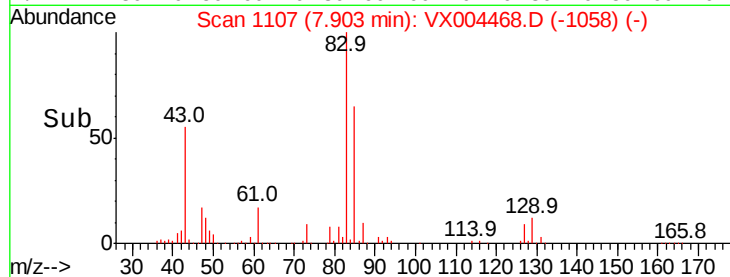
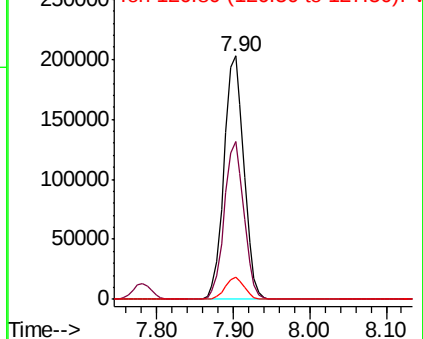
83 100

85 64.8 50.9 76.3

127 9.3 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: 104.498 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

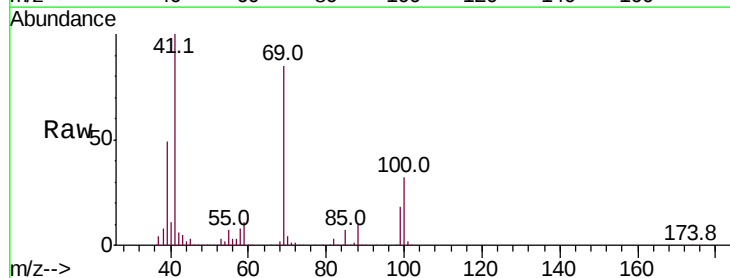
Tgt Ion: 41 Resp: 336631

Ion Ratio Lower Upper

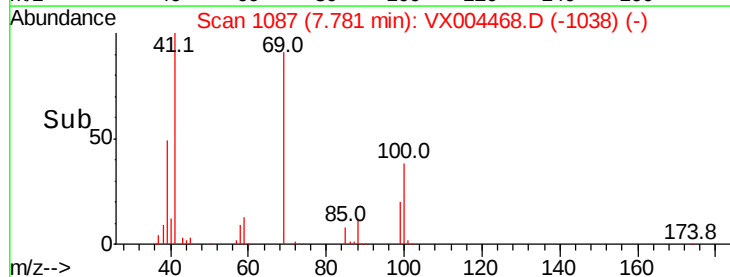
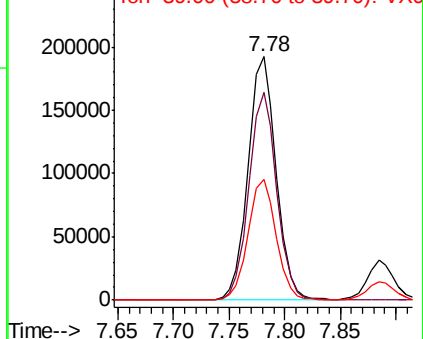
41 100

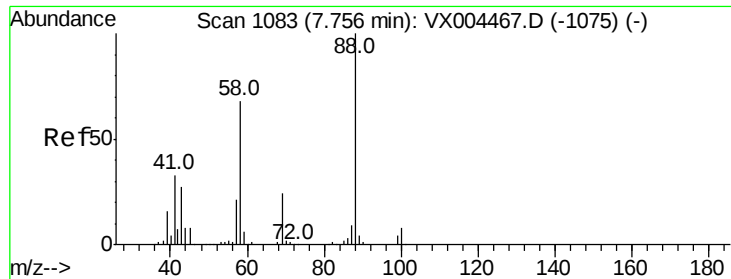
69 85.3 70.2 105.4

39 50.0 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

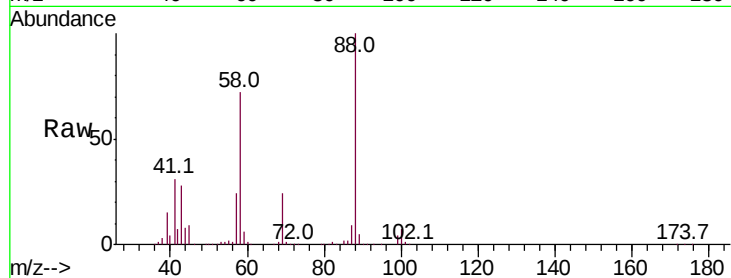




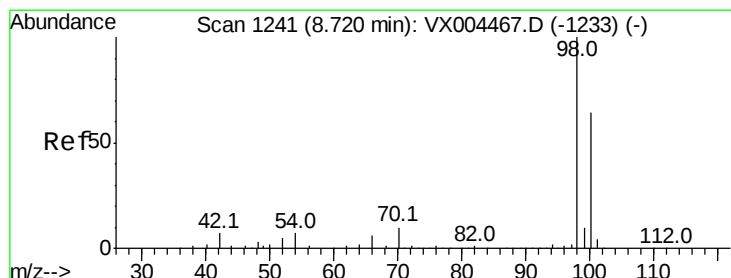
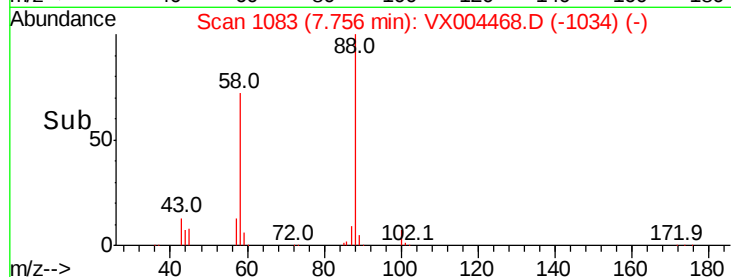
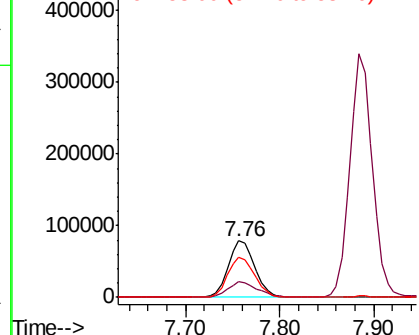
#49
1,4-Dioxane
Concen: 1999.088 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 152420
Ion Ratio Lower Upper
88 100
43 30.5 24.7 37.1
58 72.4 55.3 82.9

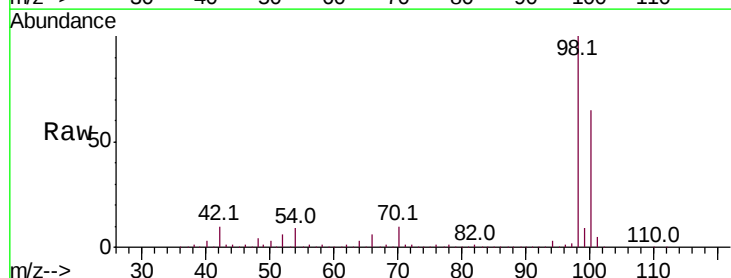


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

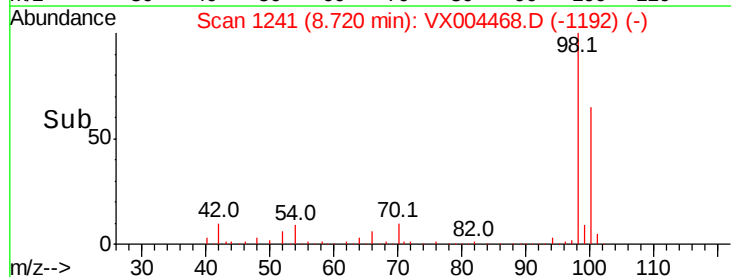
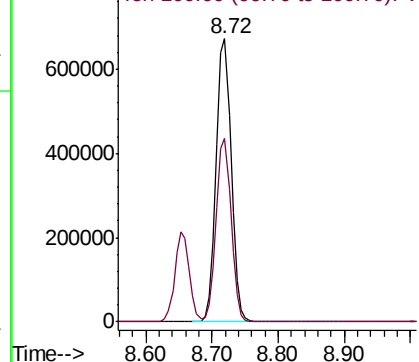


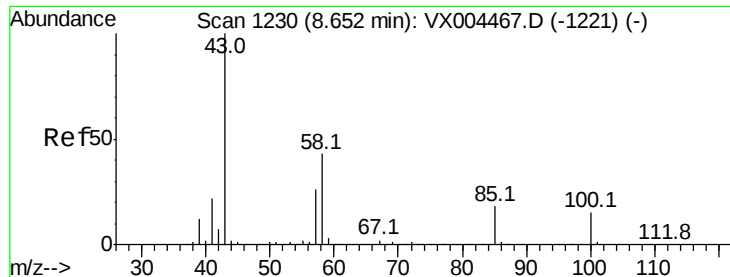
#50
Toluene-d8
Concen: 97.240 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 98 Resp: 1059137
Ion Ratio Lower Upper
98 100
100 64.6 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: 472.126 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

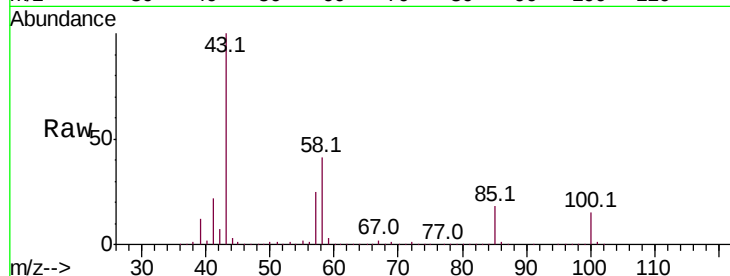
VSTDIC100

Tot Ion: 43 Resp: 2168757

Ion Ratio Lower Upper

43 100

58 40.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

1500000

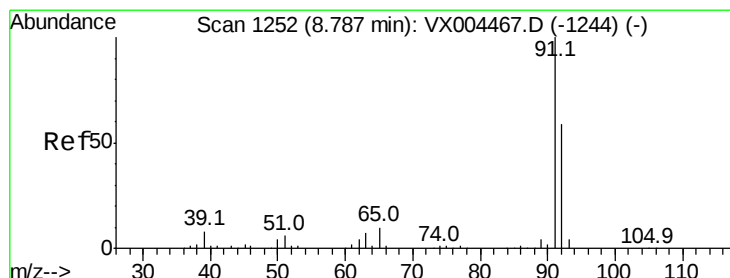
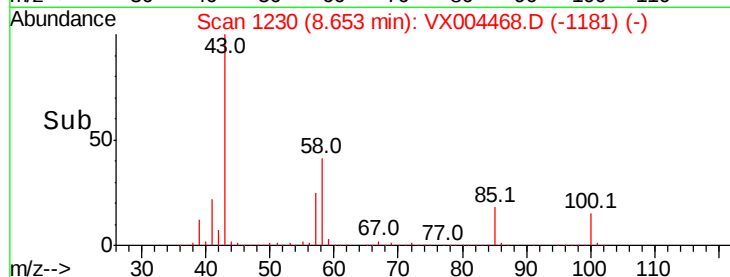
1000000

500000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 96.033 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004468.D

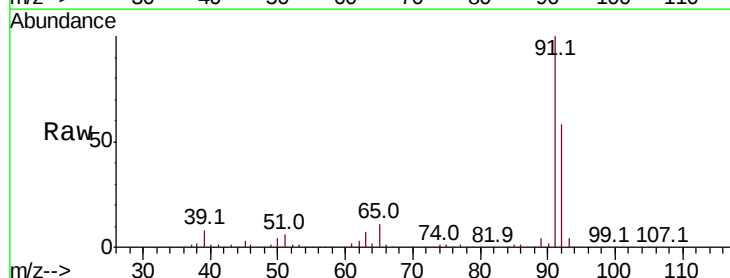
Acq: 11 Sep 2018 14:20

Tgt Ion: 92 Resp: 723379

Ion Ratio Lower Upper

92 100

91 172.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

1000000

800000

600000

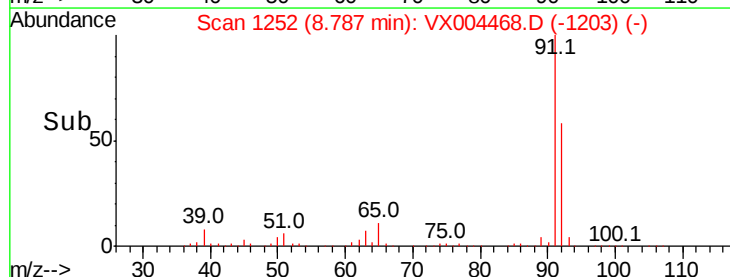
400000

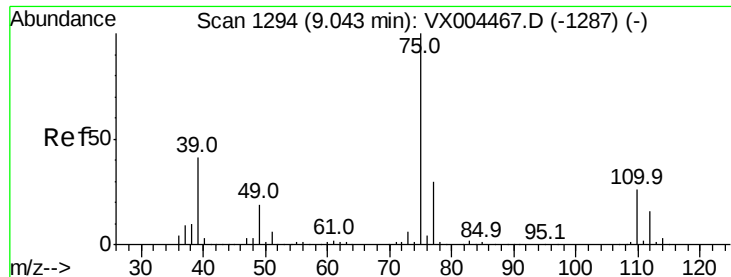
200000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 98.017 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

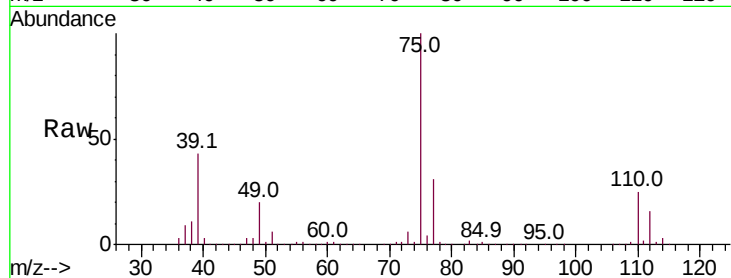
VSTDIC100

Tot Ion: 75 Resp: 420825

Ion Ratio Lower Upper

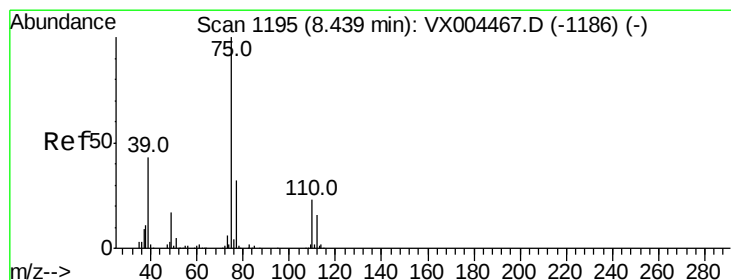
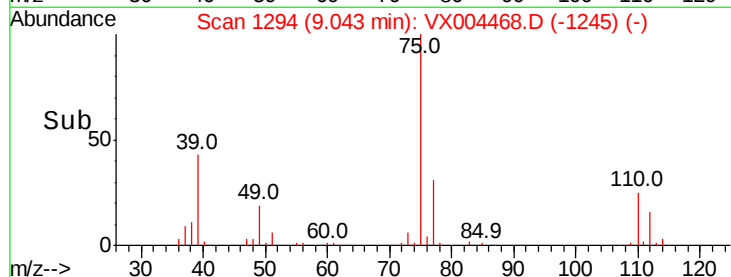
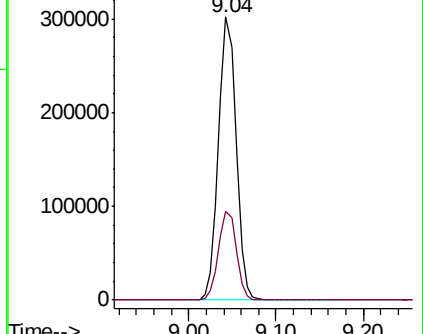
75 100

77 31.5 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: 103.942 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

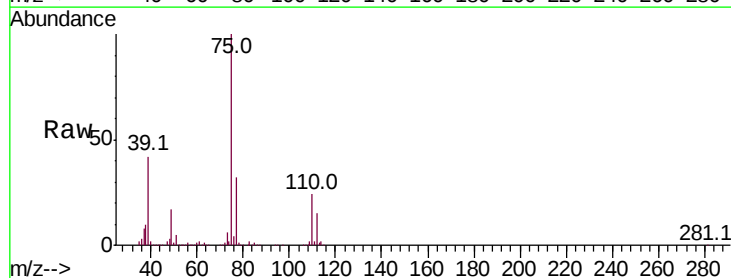
Tgt Ion: 75 Resp: 454916

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

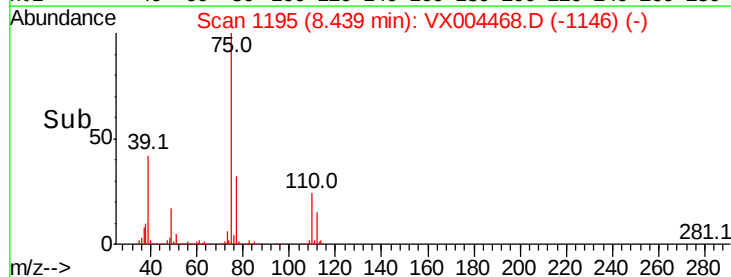
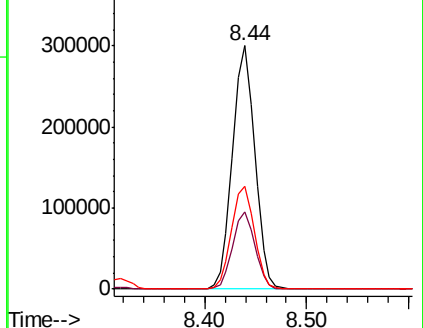
39 42.3 36.4 54.6

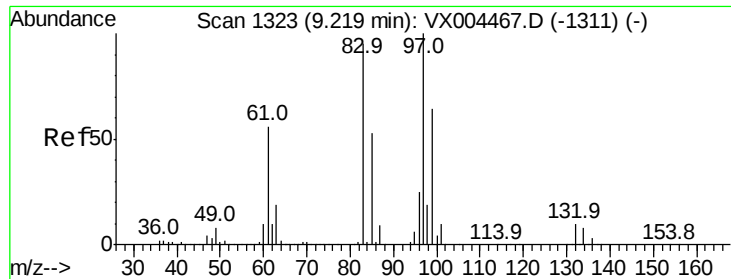


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

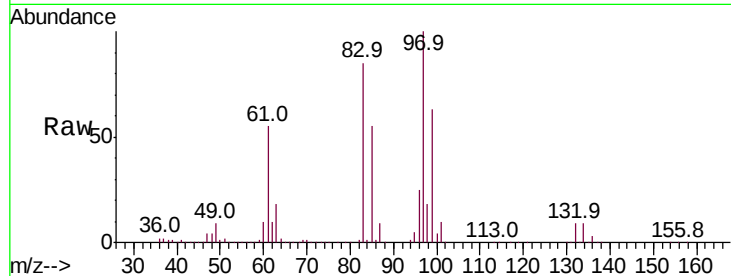




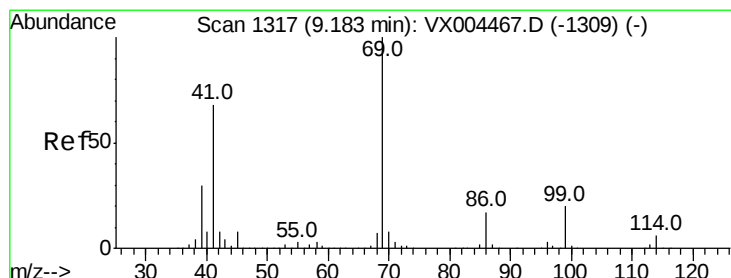
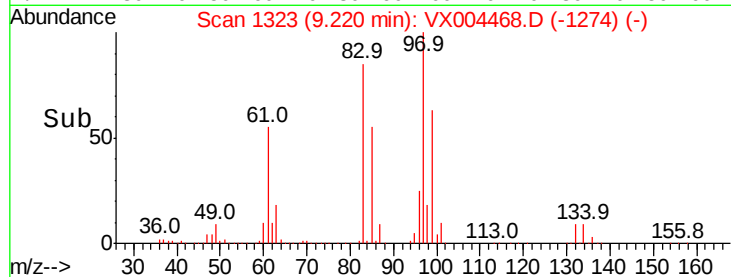
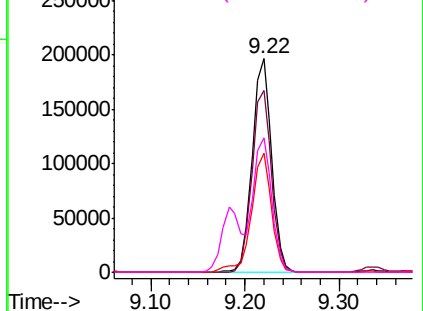
#55
 1,1,2-Trichloroethane
 Concen: 88.140 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	285871
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.4	99.6
85	55.5	43.3	64.9
99	63.1	49.0	73.4

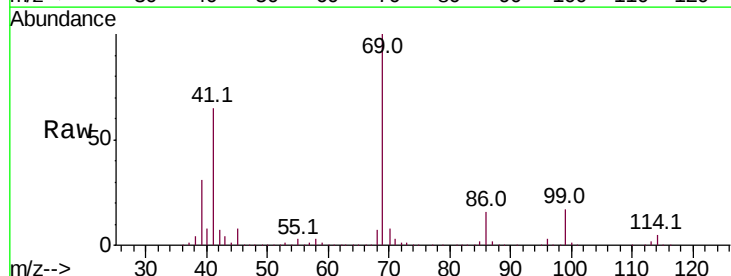


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

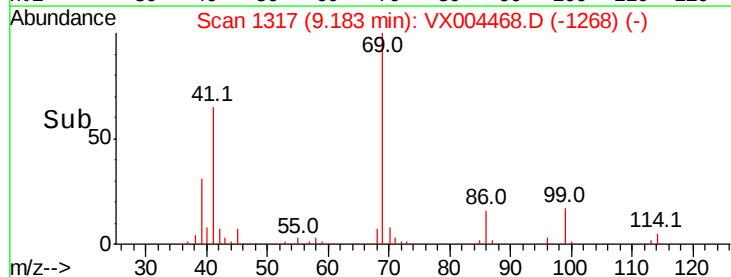
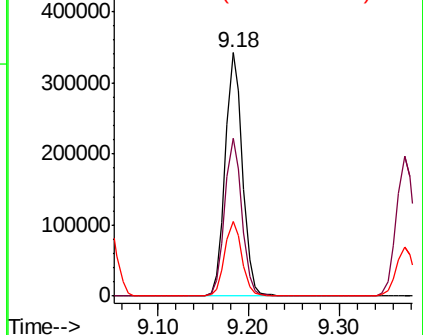


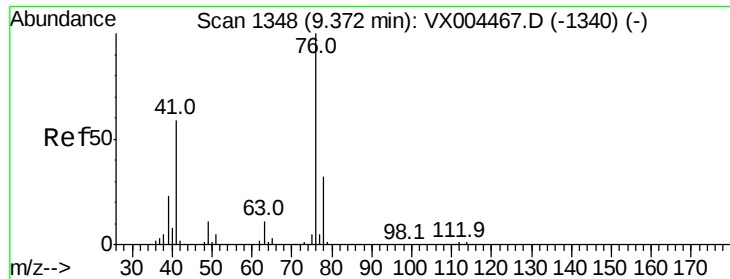
#56
 Ethyl methacrylate
 Concen: 98.818 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion:	69	Resp:	453411
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.0	76.4
39	30.8	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: 91.030 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

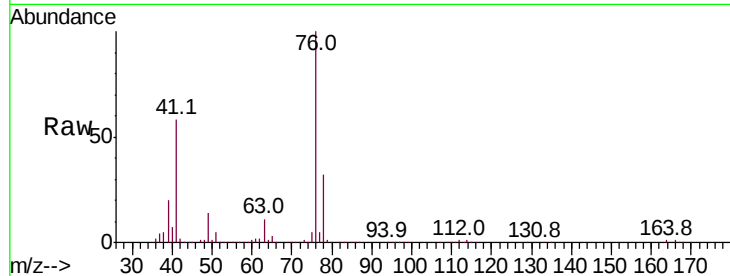
VSTDICC100

Tot Ion: 76 Resp: 479713

Ion Ratio Lower Upper

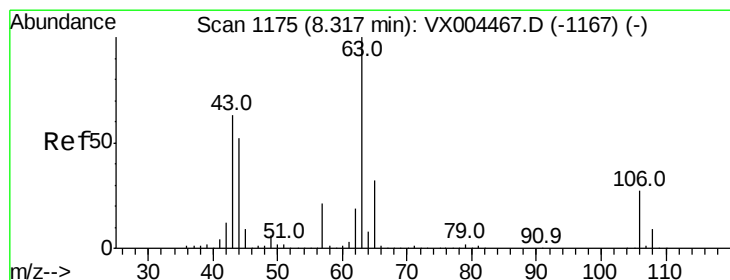
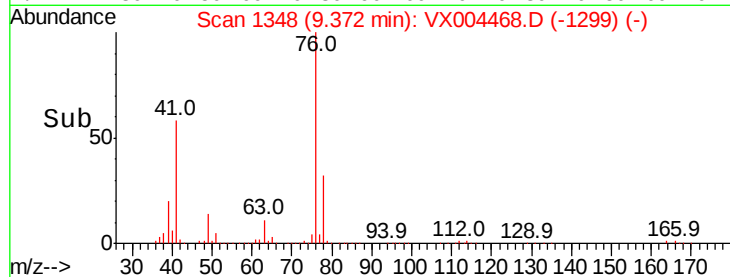
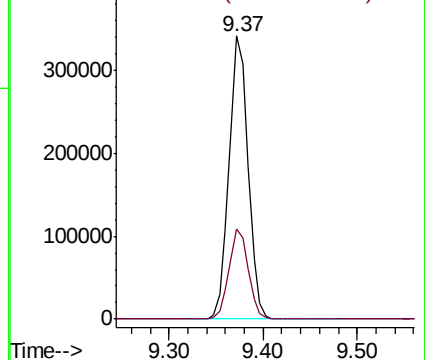
76 100

78 32.2 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: 536.611 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004468.D

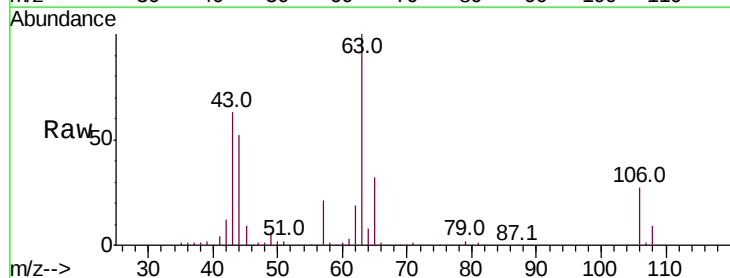
Acq: 11 Sep 2018 14:20

Tgt Ion: 63 Resp: 1129547

Ion Ratio Lower Upper

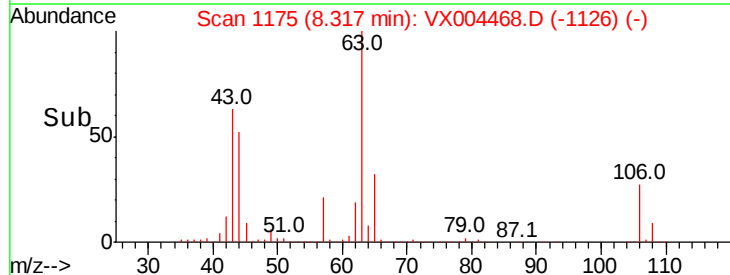
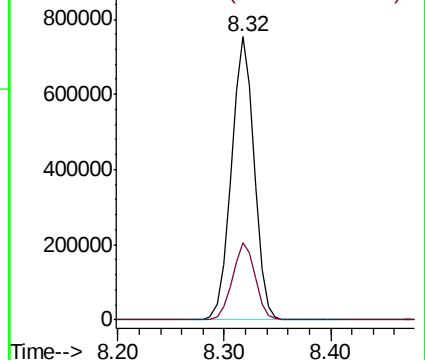
63 100

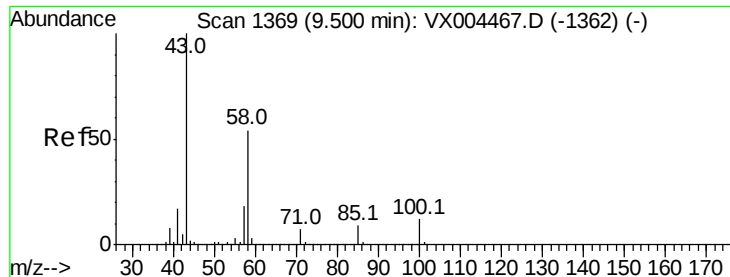
106 27.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

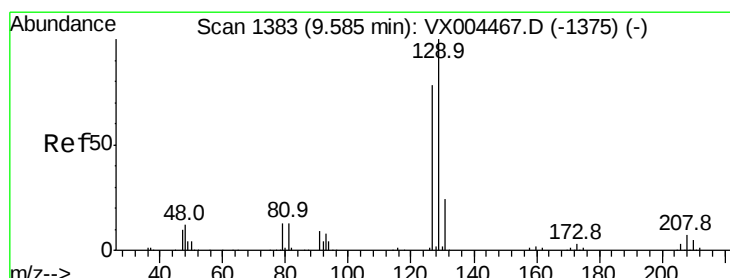
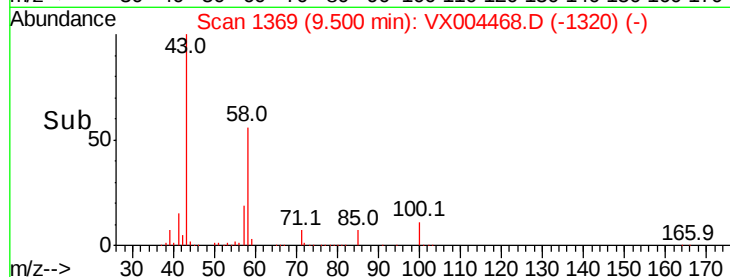
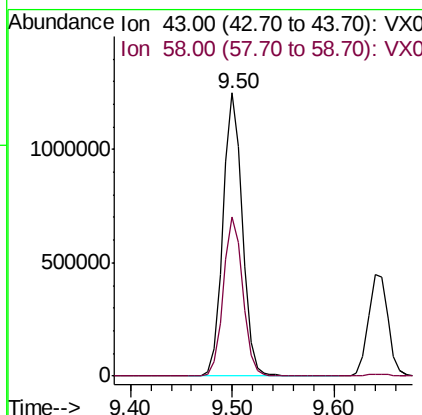
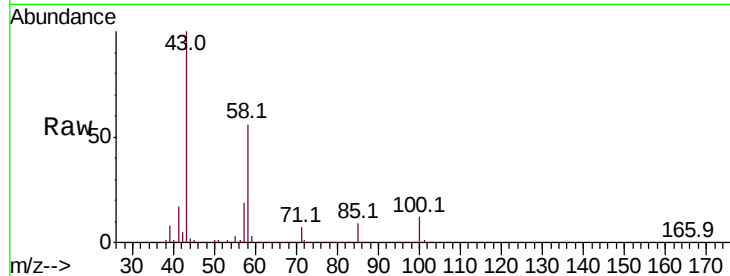




#59
2-Hexanone
Concen: 468.982 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

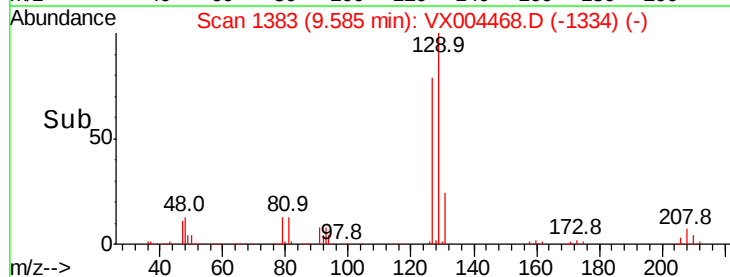
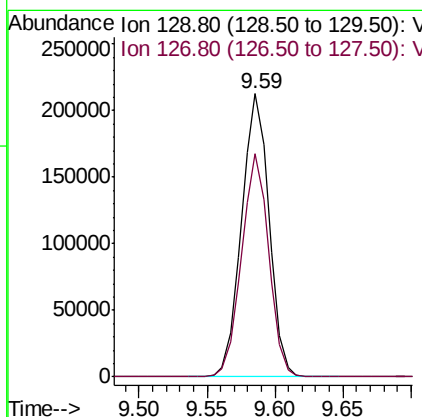
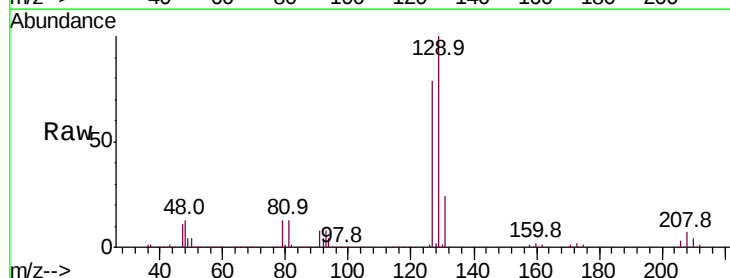
Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

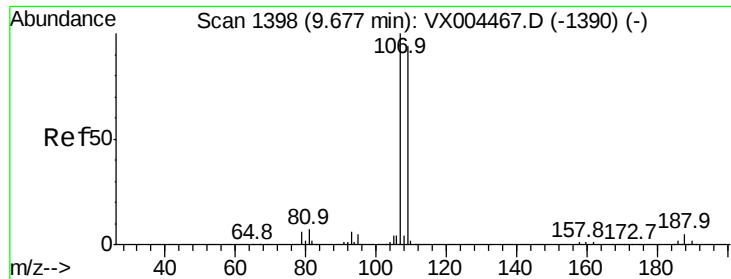
Tot Ion: 43 Resp: 1652434
Ion Ratio Lower Upper
43 100
58 56.5 29.0 87.0



#60
Dibromochloromethane
Concen: 98.437 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 129 Resp: 300572
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 96.310 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

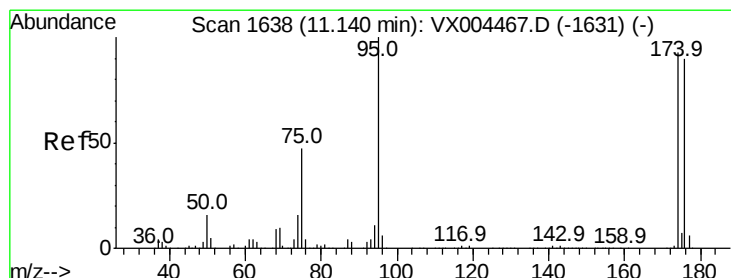
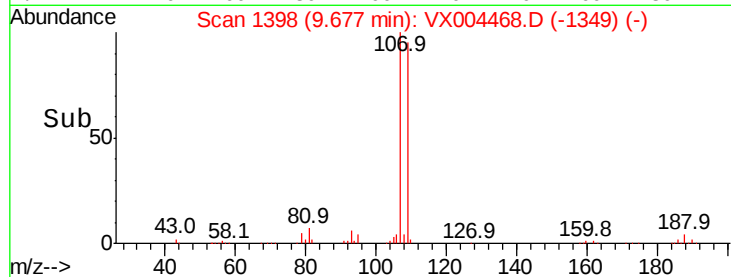
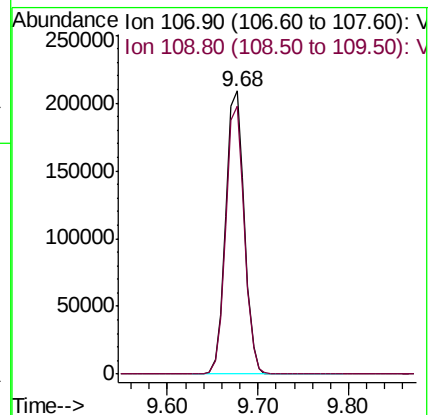
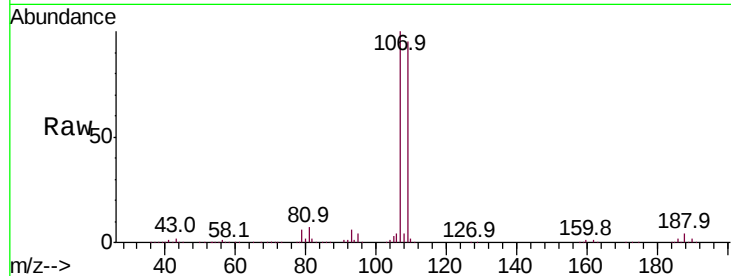
VSTDIC100

Tot Ion:107 Resp: 298402

Ion Ratio Lower Upper

107 100

109 94.7 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 101.424 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

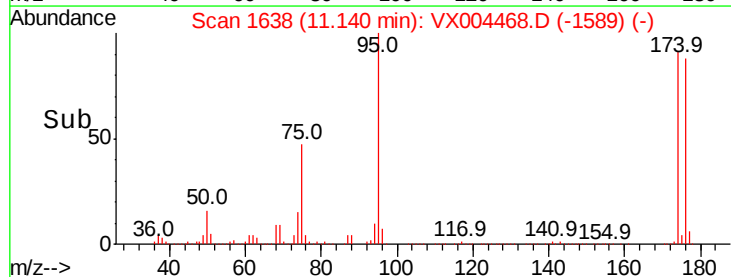
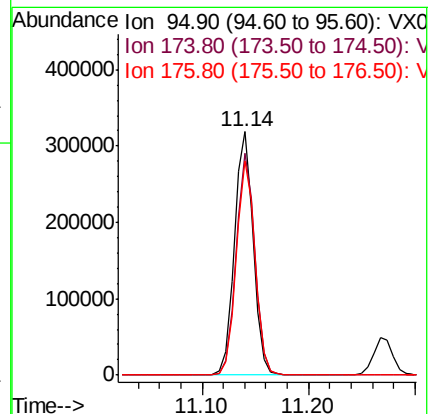
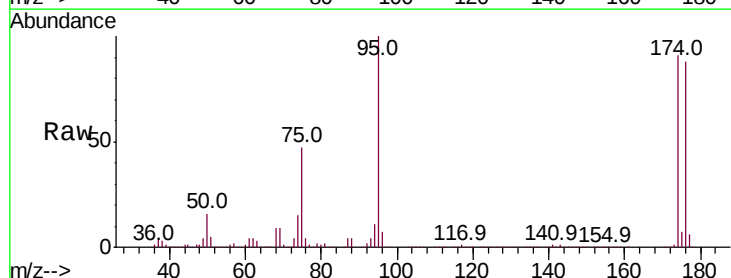
Tgt Ion: 95 Resp: 394332

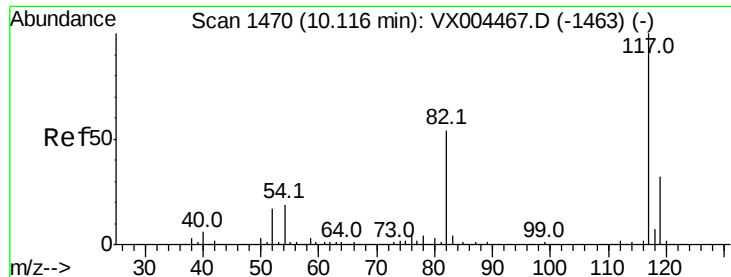
Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.2

176 88.1 0.0 178.6

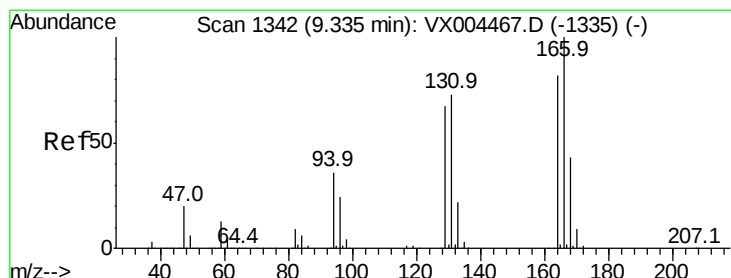
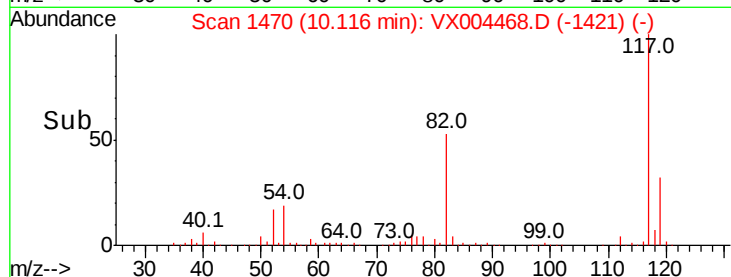
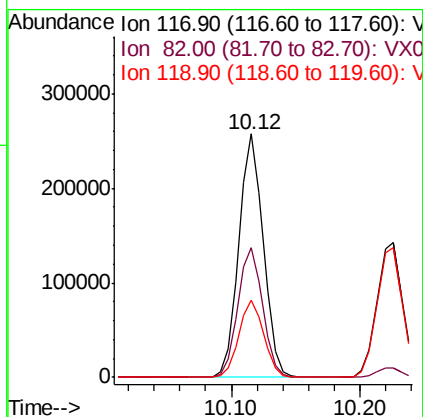
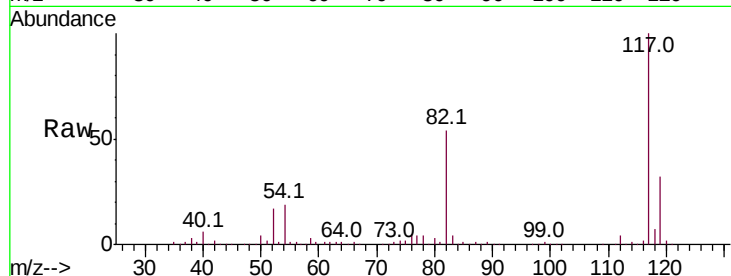




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

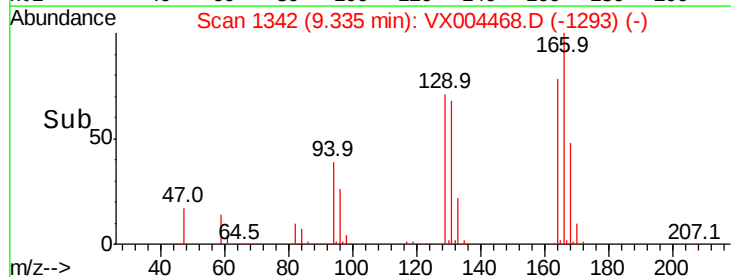
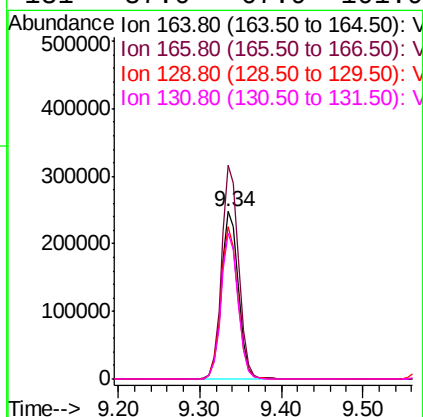
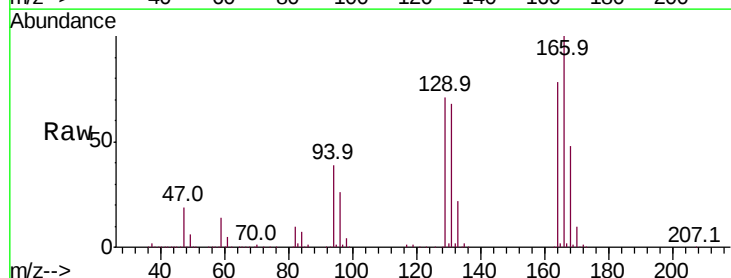
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

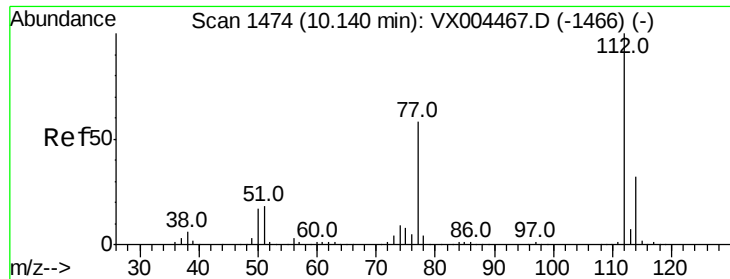
Tot Ion:117 Resp: 338911
Ion Ratio Lower Upper
117 100
82 53.5 47.8 71.6
119 31.8 29.3 43.9



#64
Tetrachloroethene
Concen: 84.874 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:164 Resp: 359135
Ion Ratio Lower Upper
164 100
166 127.8 102.8 154.2
129 90.9 69.4 104.0
131 87.0 67.9 101.9

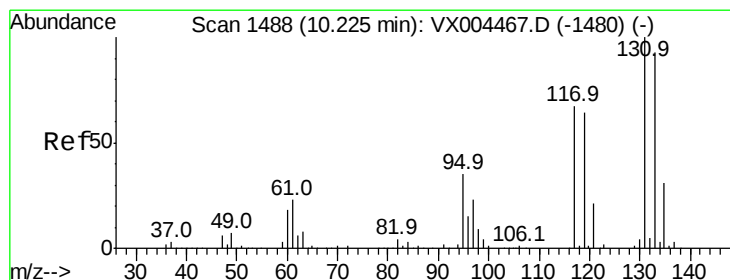
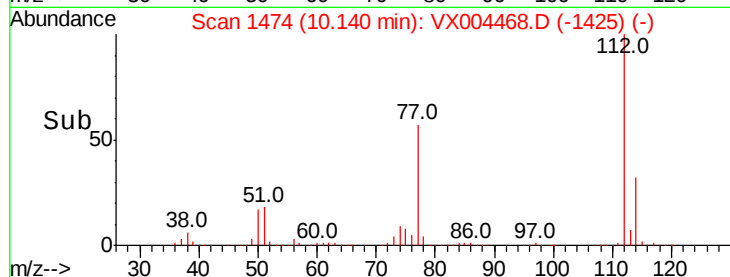
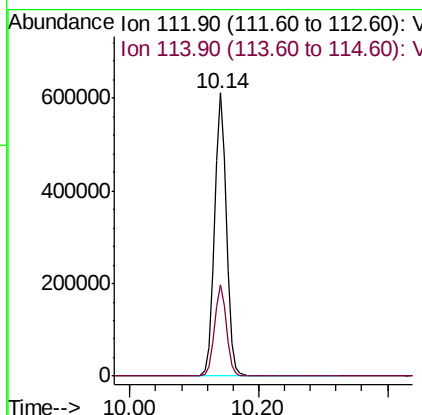
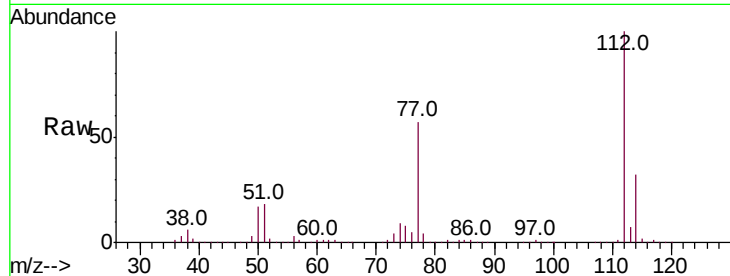




#65
Chlorobenzene
Concen: 94.965 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

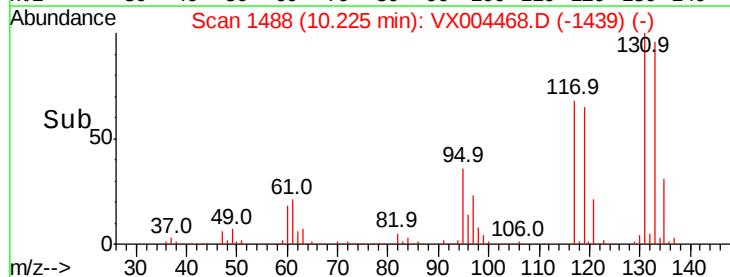
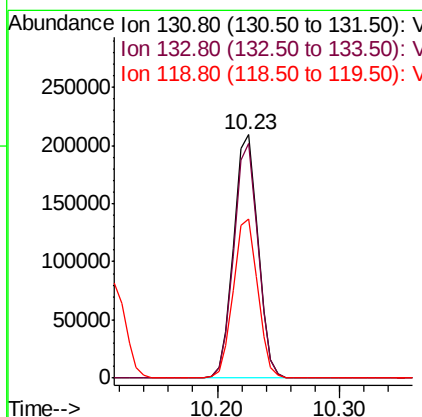
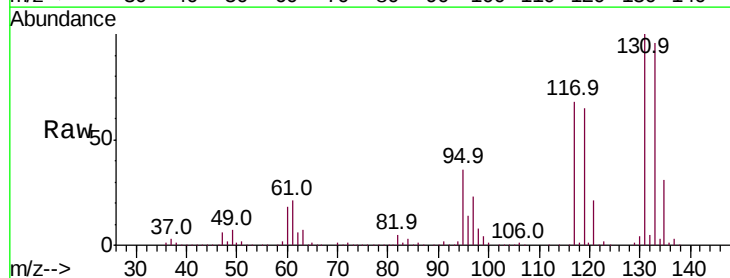
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

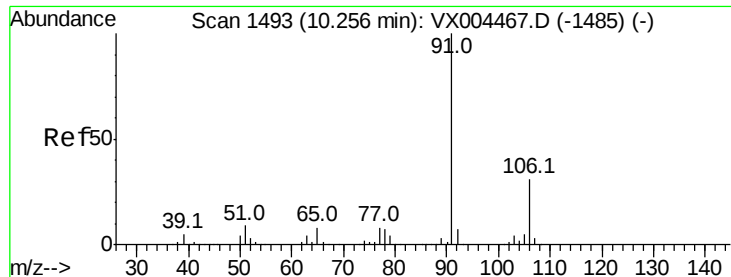
Tot Ion:112 Resp: 799445
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 98.711 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:131 Resp: 286562
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 65.7 32.9 98.6

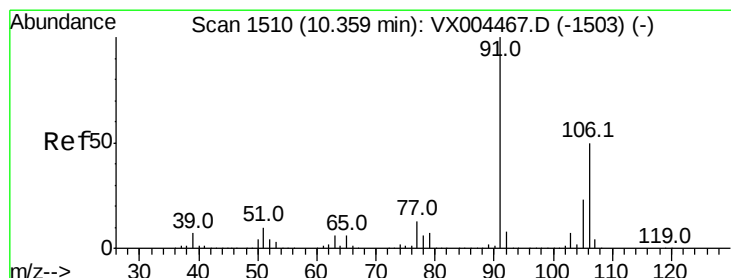
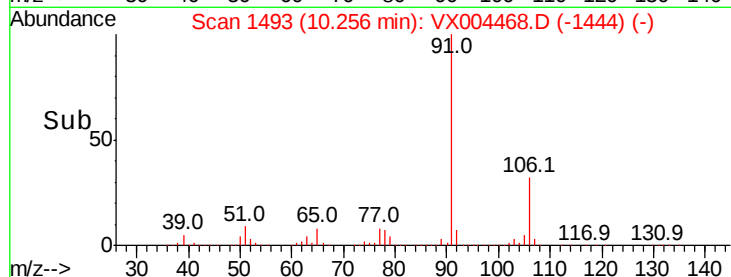
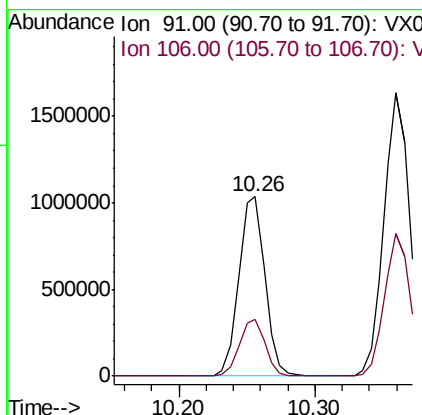
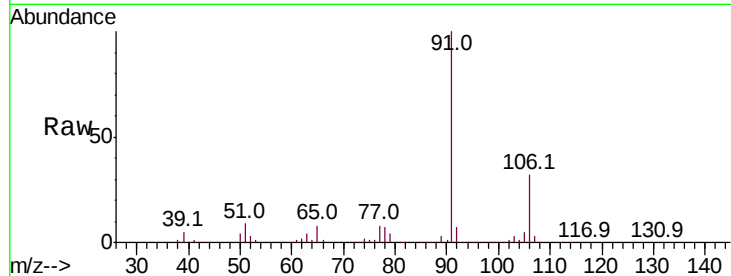




#67
Ethyl Benzene
Concen: 100.895 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

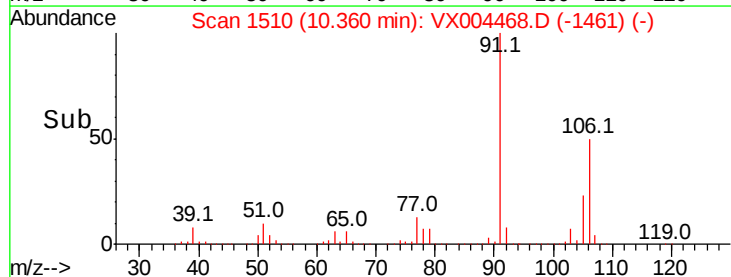
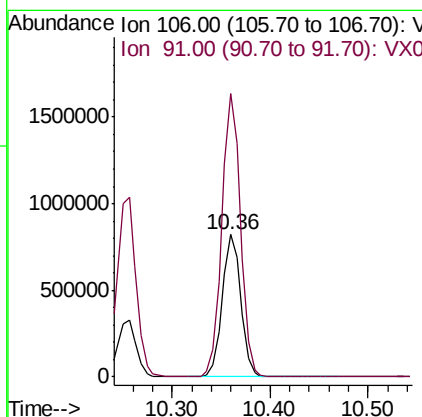
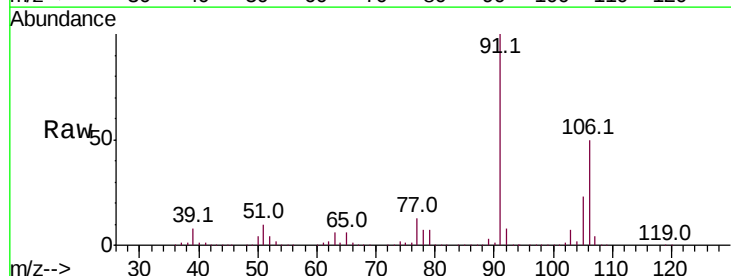
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

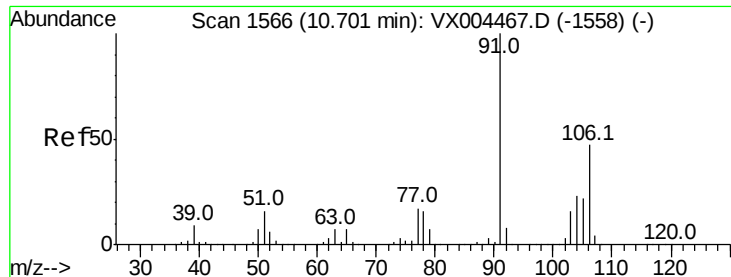
Tot Ion: 91 Resp: 1381098
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9



#68
m/p-Xylenes
Concen: 204.828 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:106 Resp: 1080021
Ion Ratio Lower Upper
106 100
91 199.8 157.1 235.7

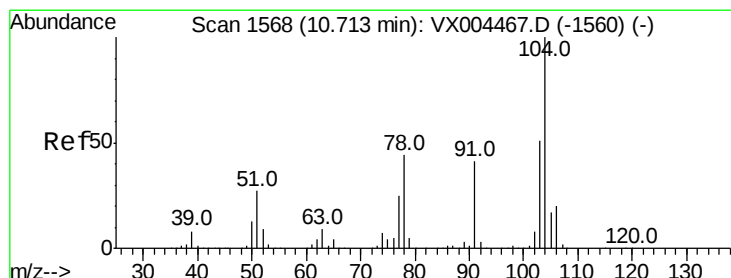
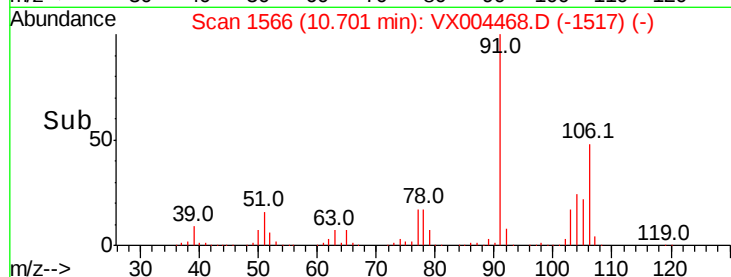
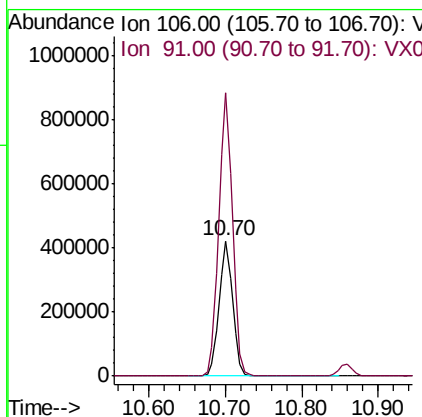
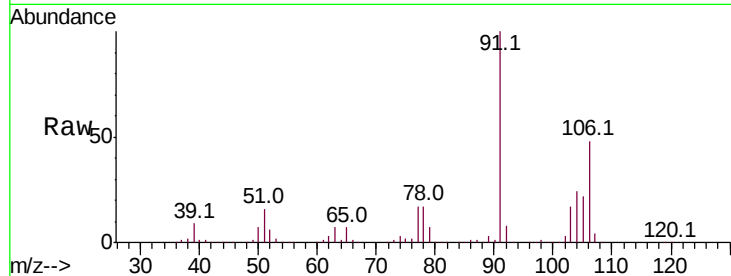




#69
o-Xylene
Concen: 102.647 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

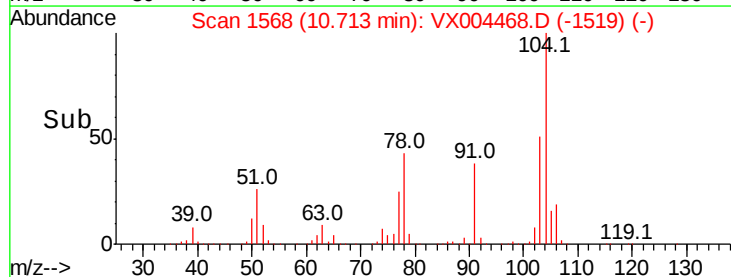
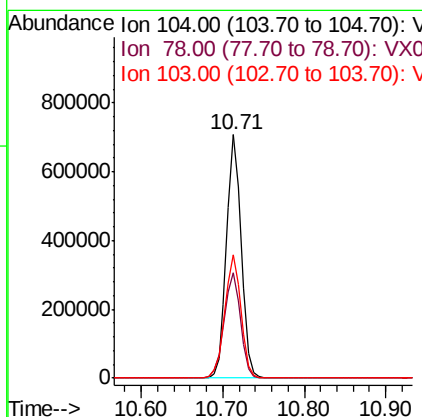
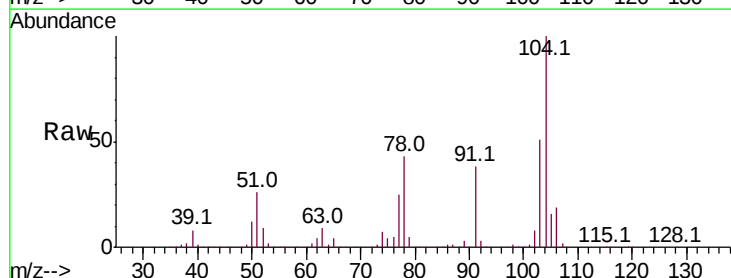
Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

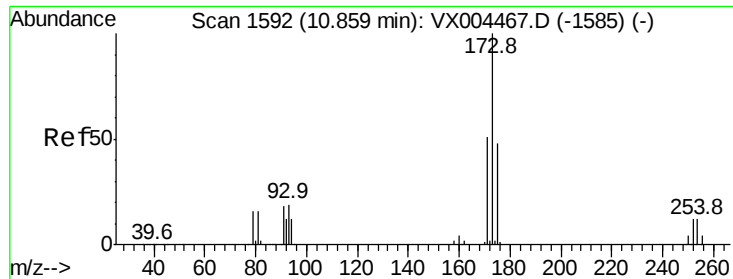
Tot Ion:106 Resp: 520336
Ion Ratio Lower Upper
106 100
91 211.6 105.1 315.1



#70
Styrene
Concen: 105.212 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:104 Resp: 883590
Ion Ratio Lower Upper
104 100
78 48.4 37.4 56.0
103 55.3 43.8 65.6





#71

Bromoform

Concen: 103.130 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

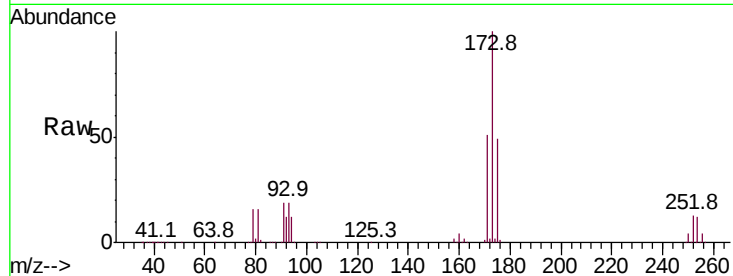
Tot Ion:173 Resp: 245824

Ion Ratio Lower Upper

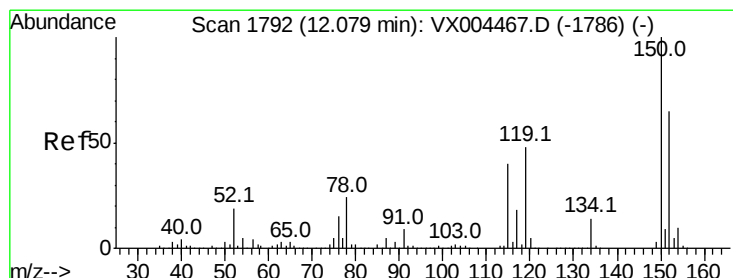
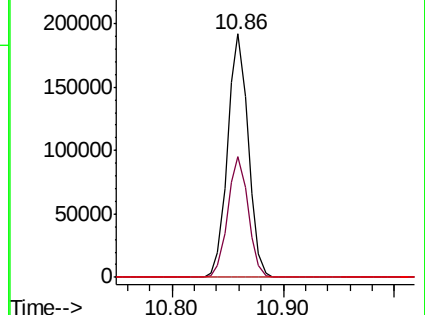
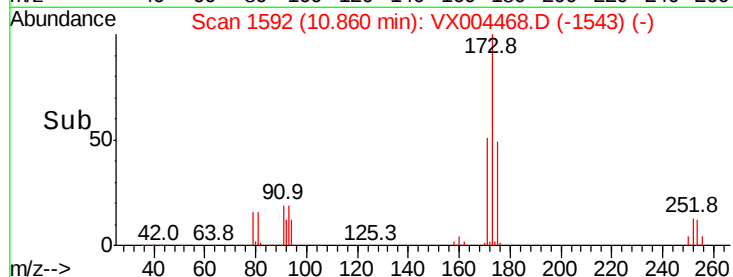
173 100

175 49.0 24.1 72.3

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

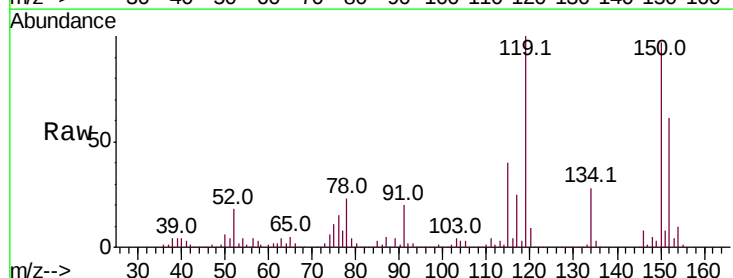
Tgt Ion:152 Resp: 212421

Ion Ratio Lower Upper

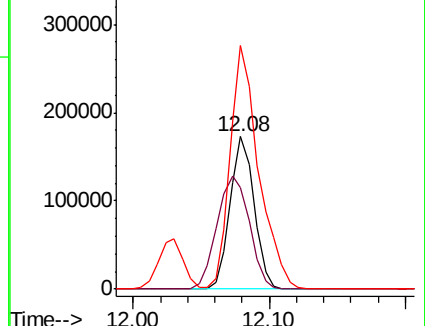
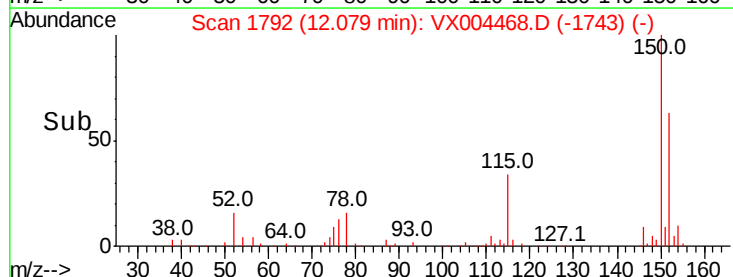
152 100

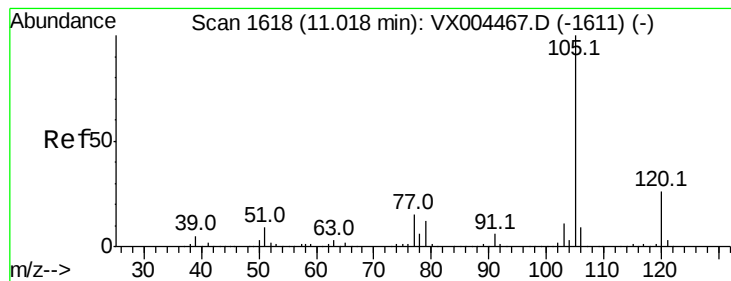
115 99.6 39.0 117.0

150 189.7 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.680 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

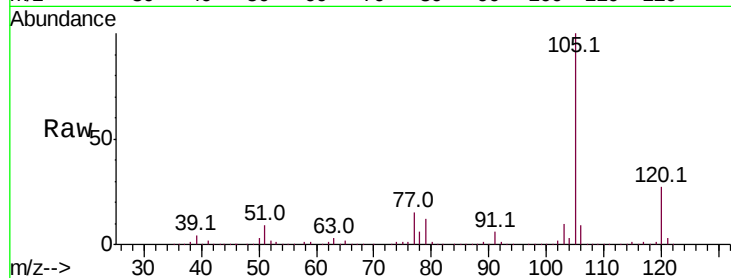
VSTDIC100

Tot Ion:105 Resp: 1394510

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

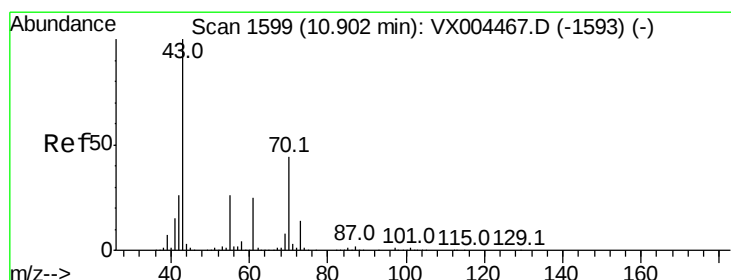
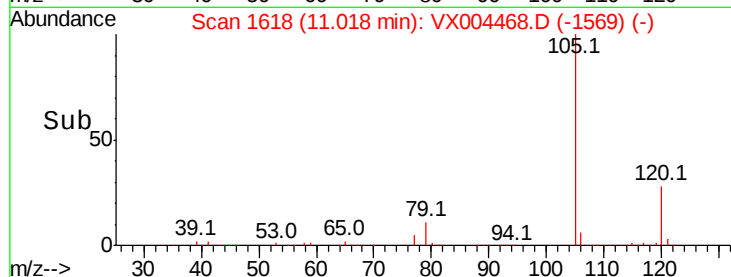
400000

200000

0

11.02

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 103.148 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion: 43 Resp: 607377

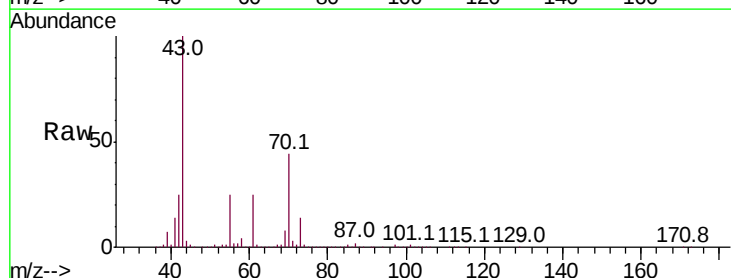
Ion Ratio Lower Upper

43 100

70 43.4 37.4 56.0

55 25.6 21.8 32.8

61 25.0 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

800000

600000

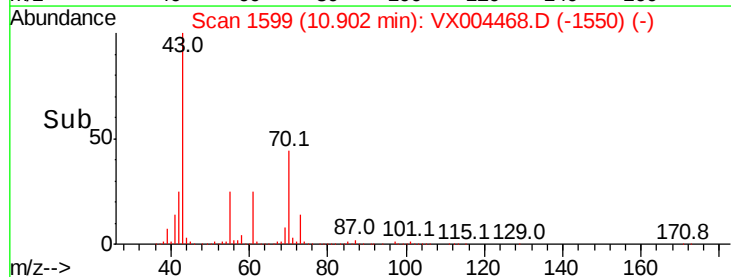
400000

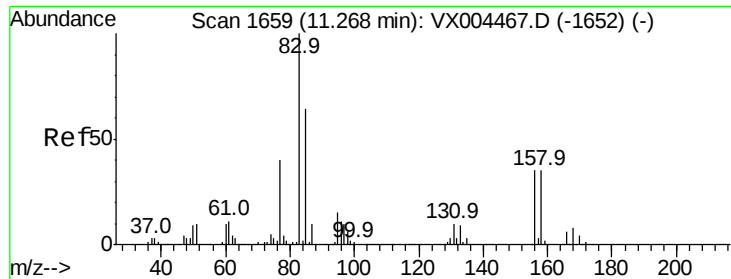
200000

0

10.90

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 93.936 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

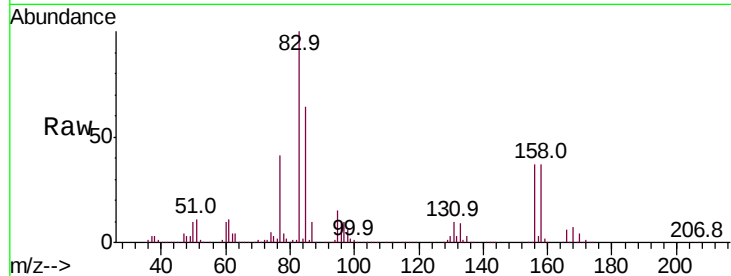
Tot Ion: 83 Resp: 423891

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.4	32.3	96.8

83 100

131 10.4 5.2 15.6

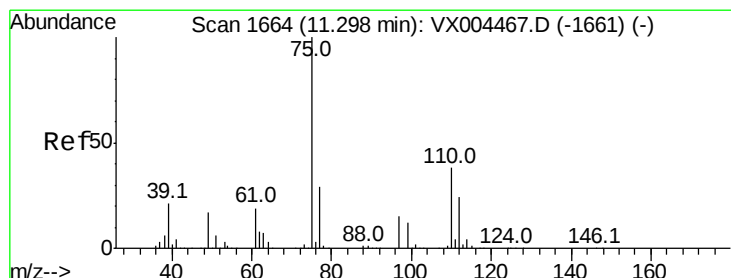
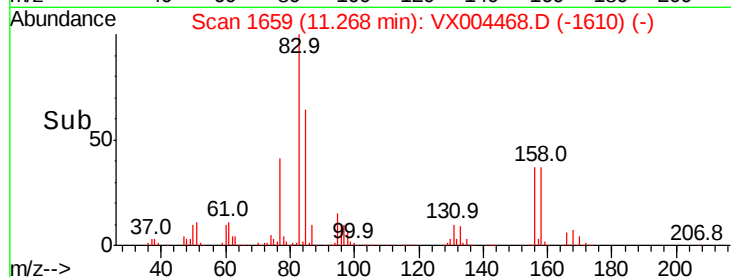
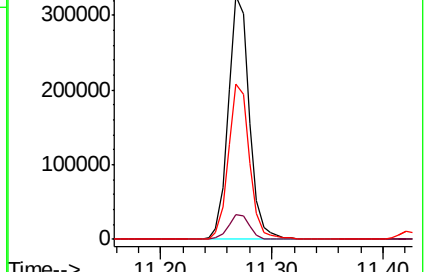
85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 129.380 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004468.D

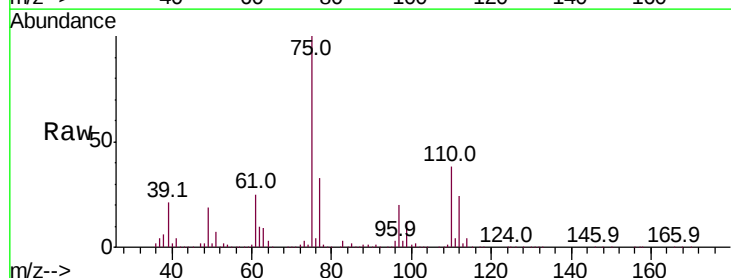
Acq: 11 Sep 2018 14:20

Tgt Ion: 75 Resp: 537008

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.2	60.6

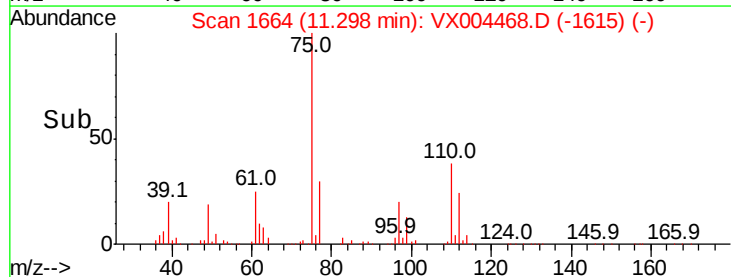
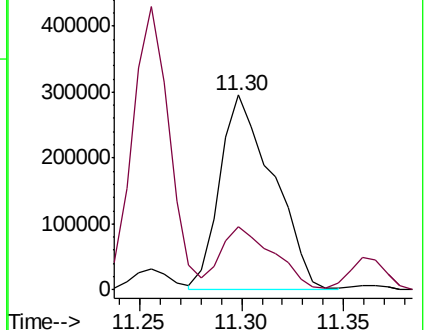
75 100

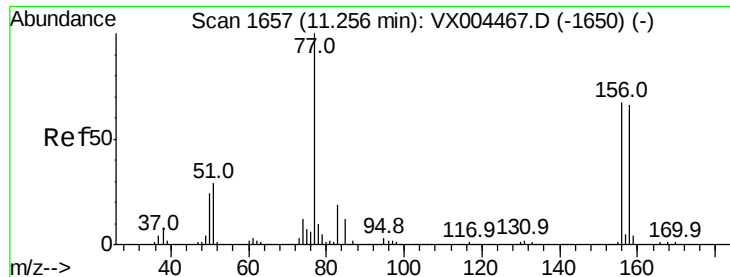
77 31.9 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 95.377 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

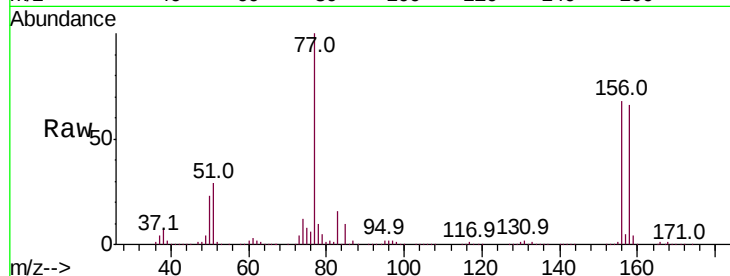
Tot Ion:156 Resp: 368806

Ion Ratio Lower Upper

156 100

77 146.3 71.5 214.3

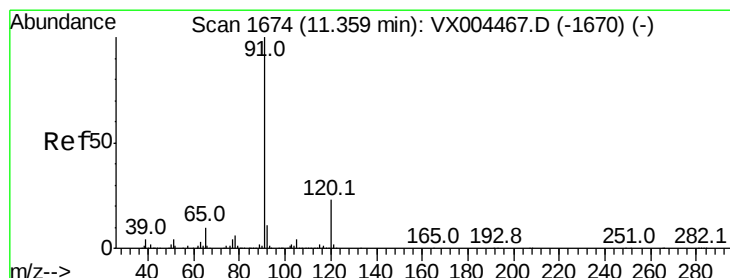
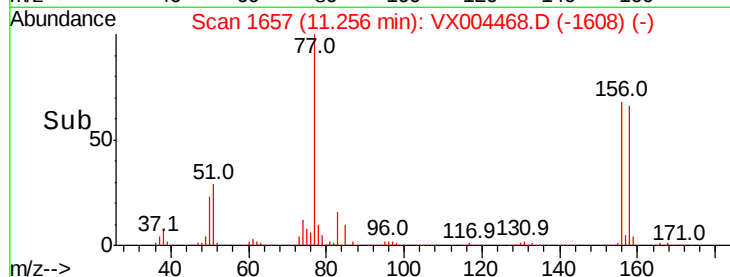
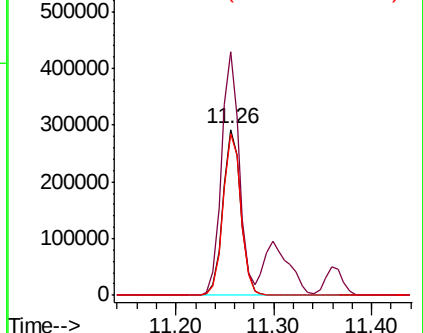
158 97.8 48.9 146.8



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: 100.879 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004468.D

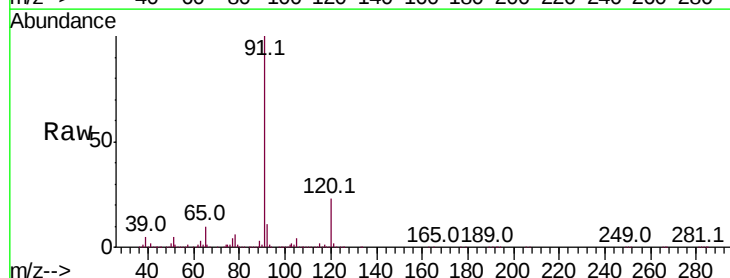
Acq: 11 Sep 2018 14:20

Tgt Ion: 91 Resp: 1622683

Ion Ratio Lower Upper

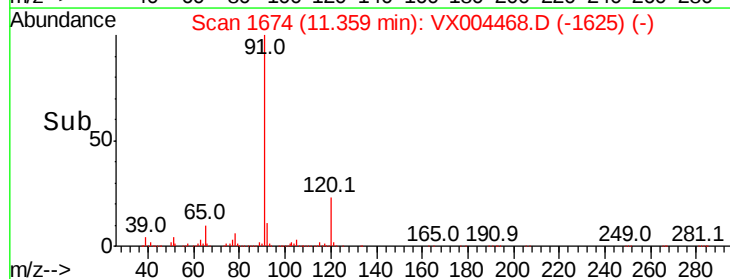
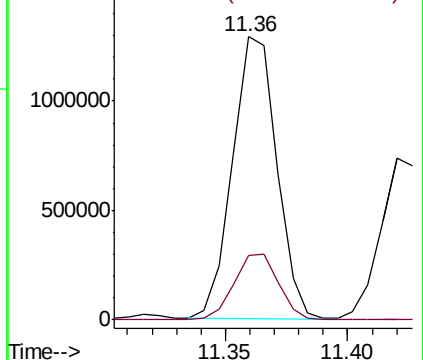
91 100

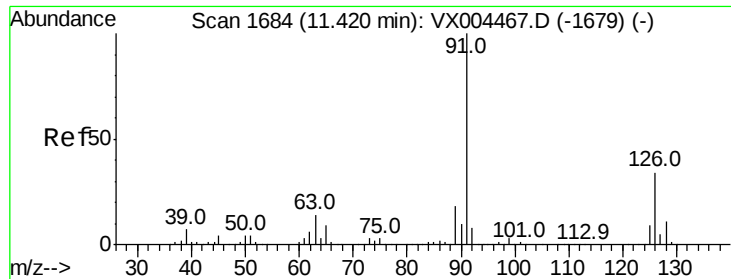
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

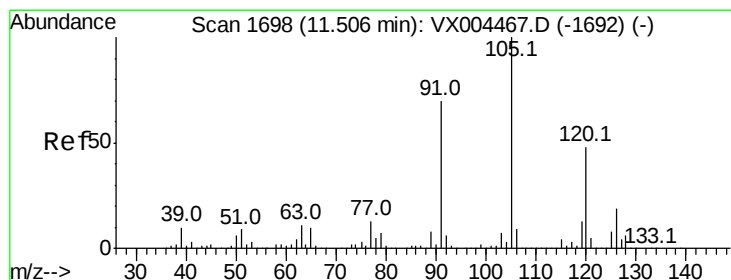
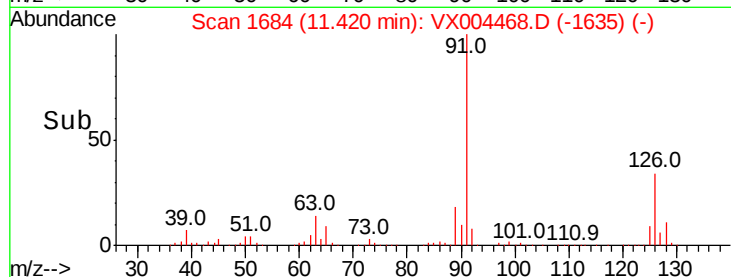
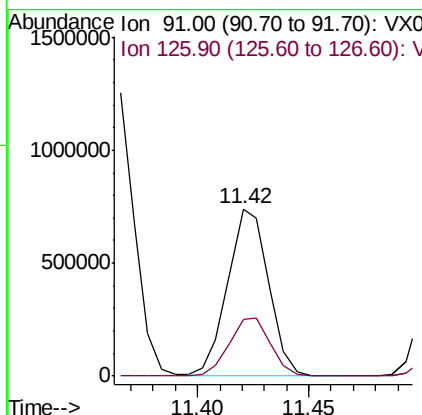
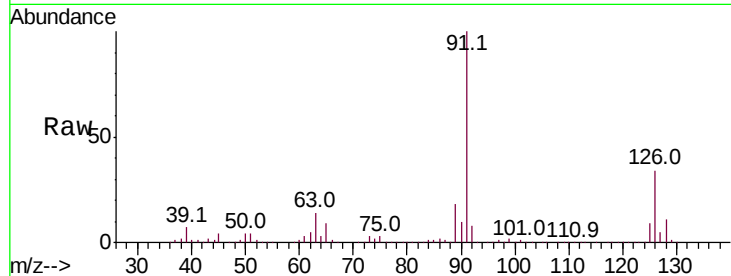




#79
2-Chlorotoluene
Concen: 96.655 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

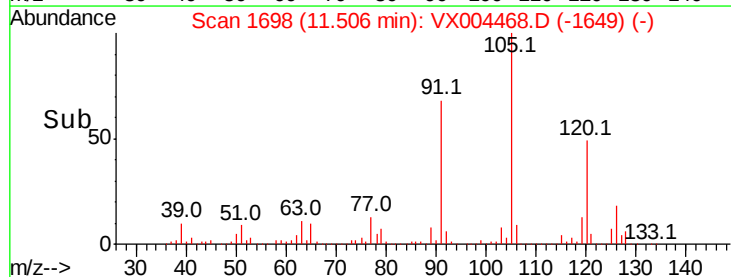
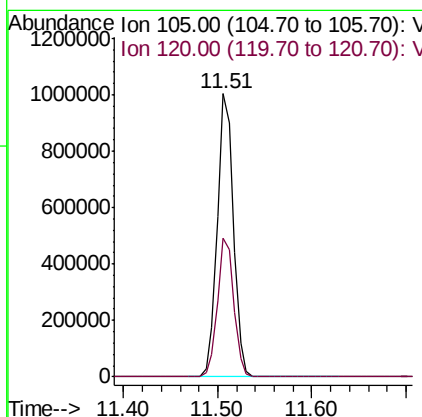
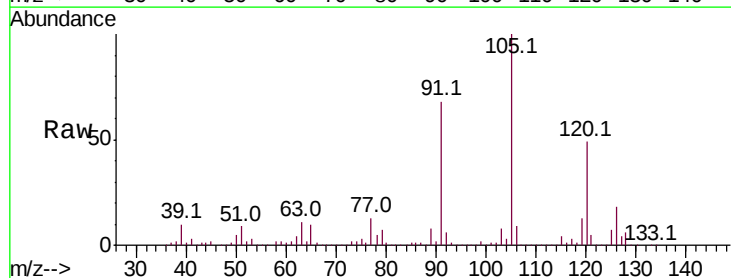
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

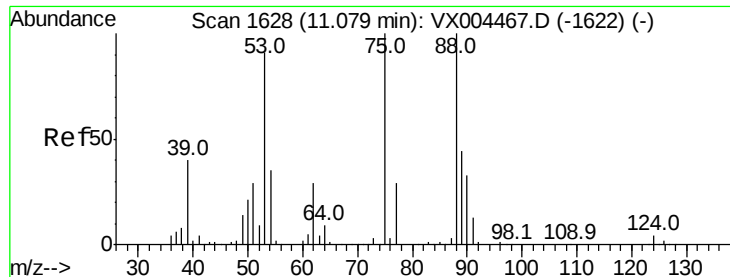
Tot Ion: 91 Resp: 942943
Ion Ratio Lower Upper
91 100
126 35.5 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 101.610 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:105 Resp: 1195007
Ion Ratio Lower Upper
105 100
120 49.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 107.550 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

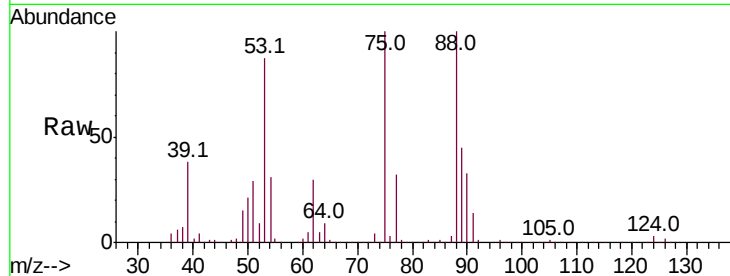
Tot Ion: 75 Resp: 144201

Ion Ratio Lower Upper

75 100

53 91.4 80.1 120.1

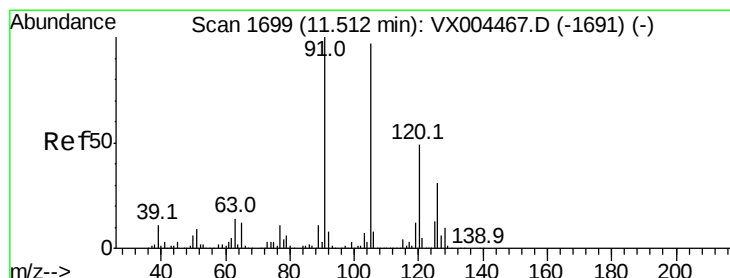
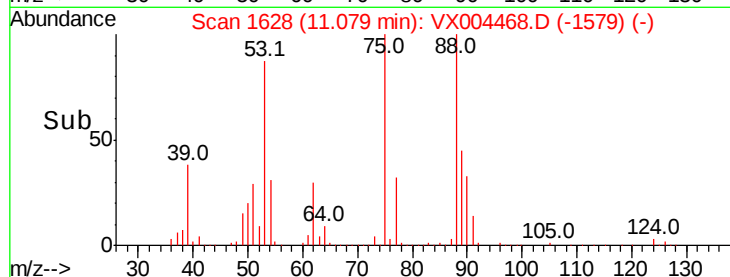
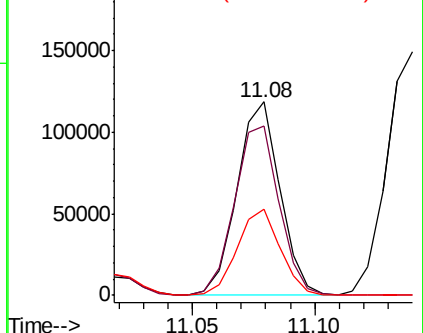
89 45.2 37.2 55.8



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: 99.079 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004468.D

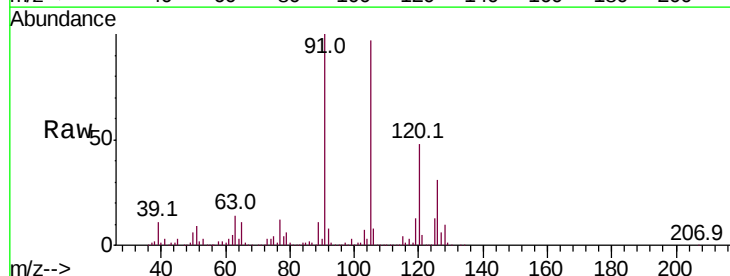
Acq: 11 Sep 2018 14:20

Tgt Ion: 91 Resp: 1128144

Ion Ratio Lower Upper

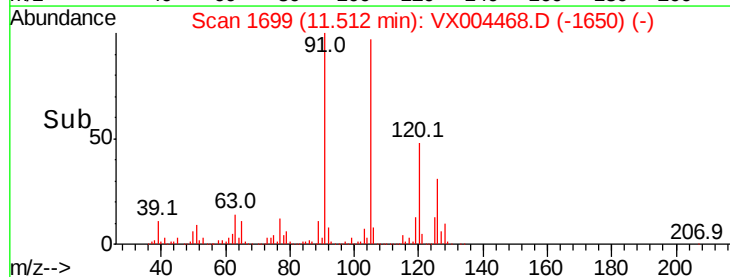
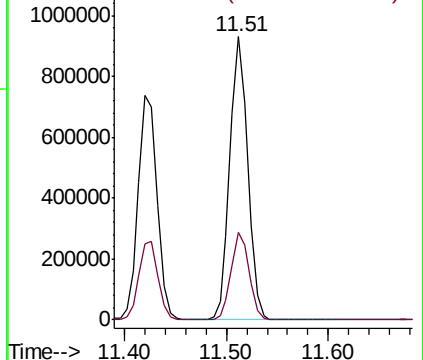
91 100

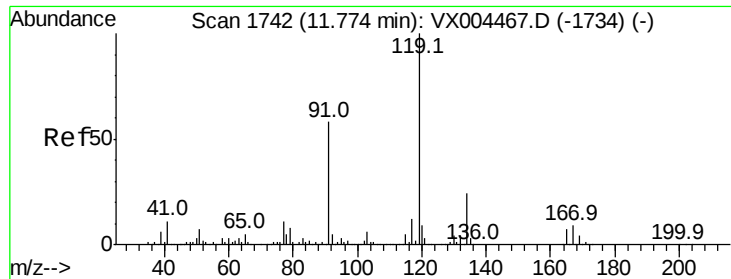
126 30.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

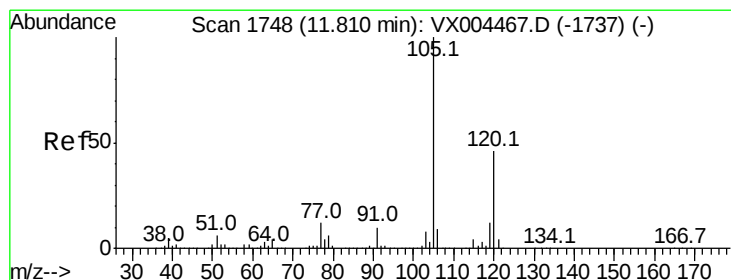
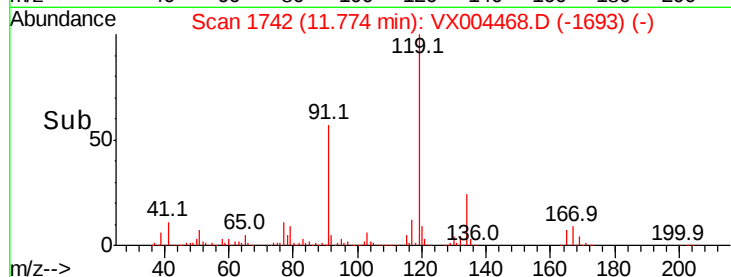
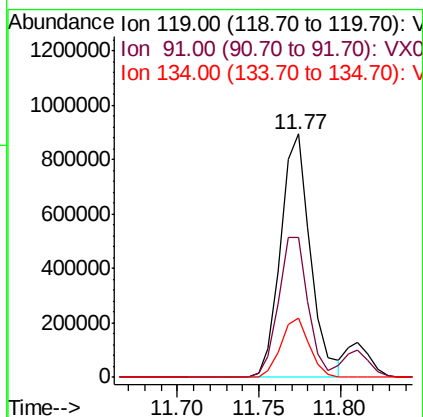
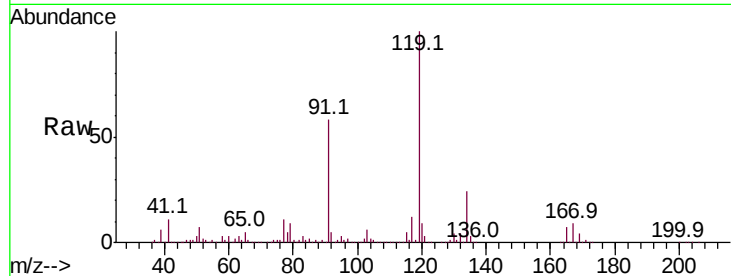




#83
tert-Butylbenzene
Concen: 101.562 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

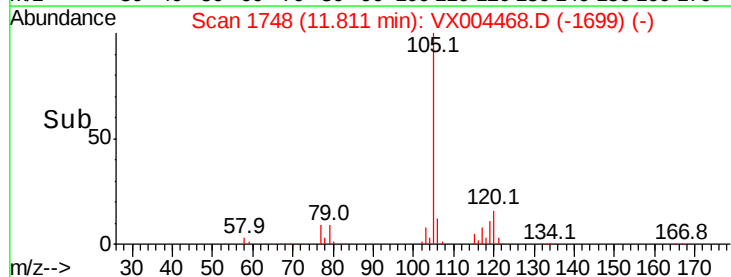
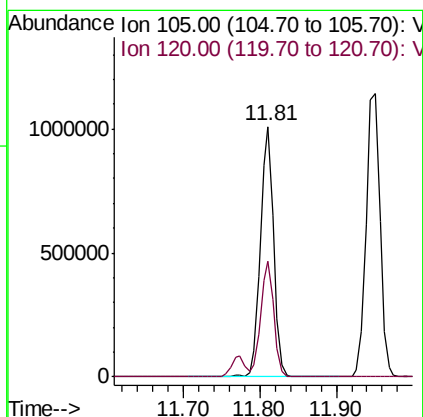
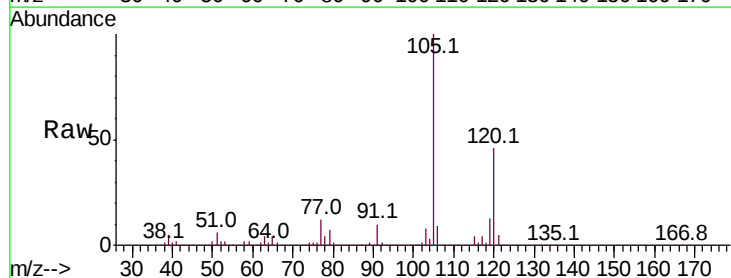
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

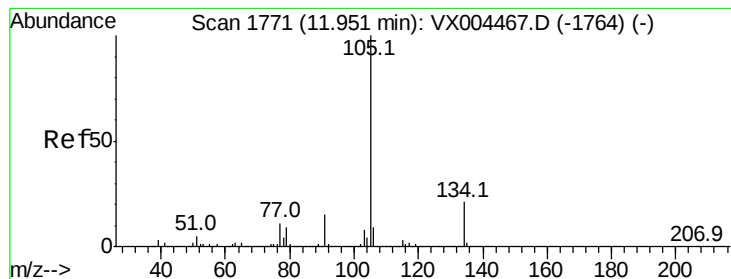
Tot Ion:119 Resp: 1137154
Ion Ratio Lower Upper
119 100
91 57.2 27.0 81.0
134 23.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 102.403 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:105 Resp: 1229611
Ion Ratio Lower Upper
105 100
120 45.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 101.175 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

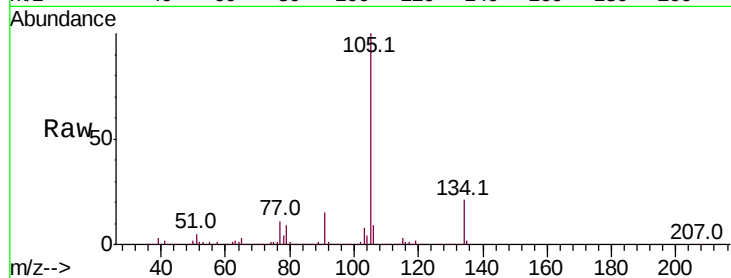
VSTDIC100

Tot Ion:105 Resp: 1443574

Ion Ratio Lower Upper

105 100

134 20.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

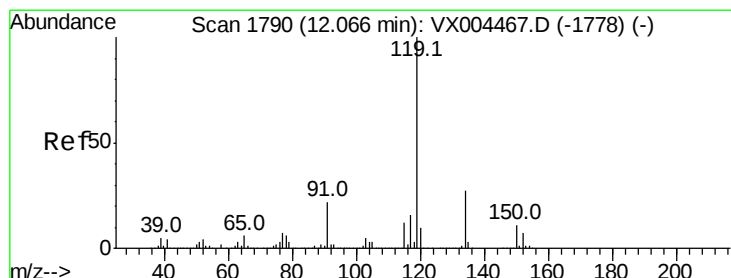
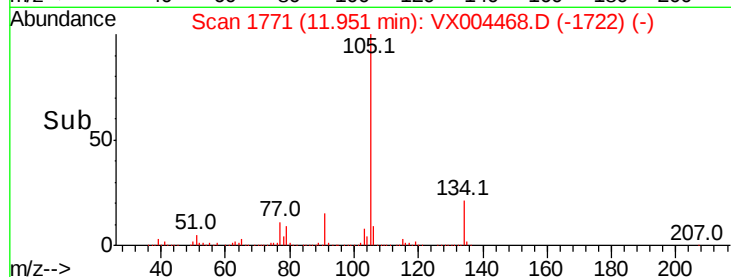
1000000

500000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 103.256 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

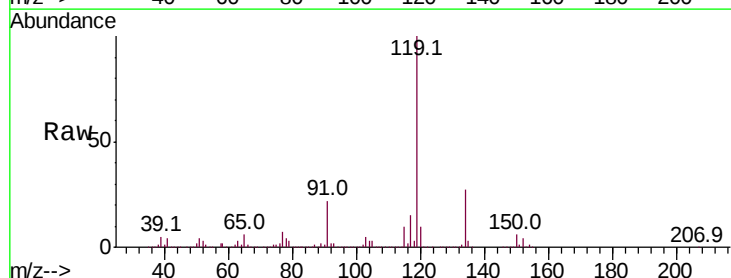
Tgt Ion:119 Resp: 1300985

Ion Ratio Lower Upper

119 100

134 26.9 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

12.07

1500000

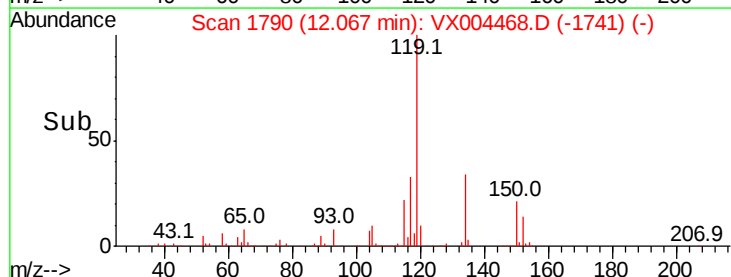
1000000

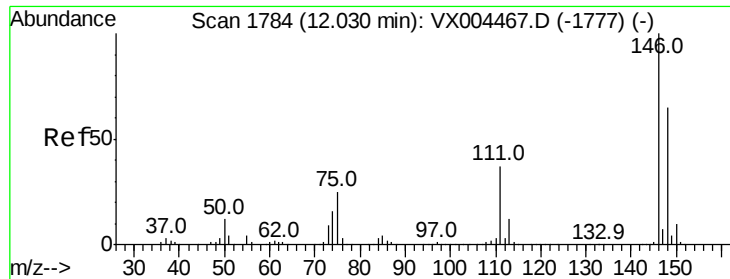
500000

0

Time-->

11.90 12.00 12.10 12.20

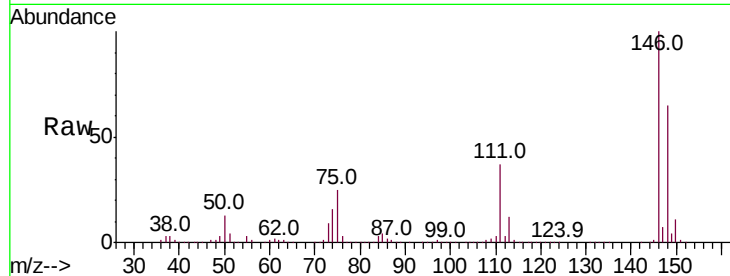




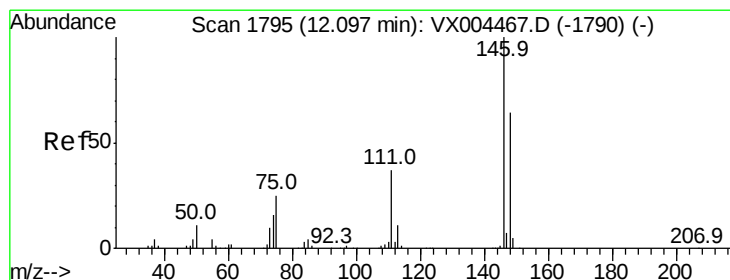
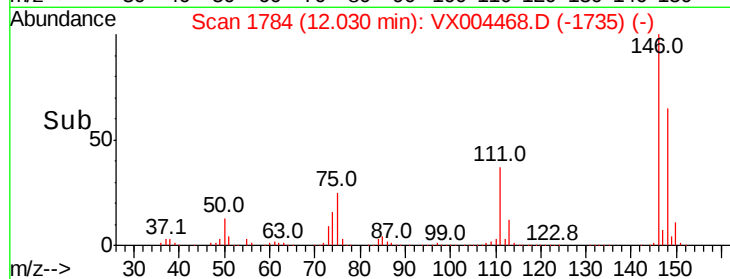
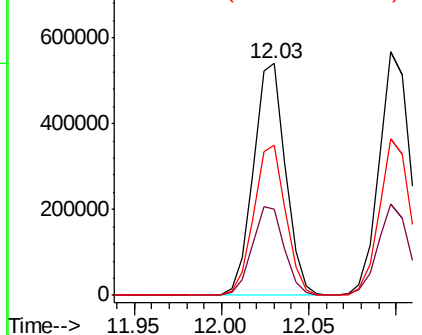
#87
 1,3-Dichlorobenzene
 Concen: 95.447 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 688603
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.7 56.1
 148 64.5 32.1 96.5

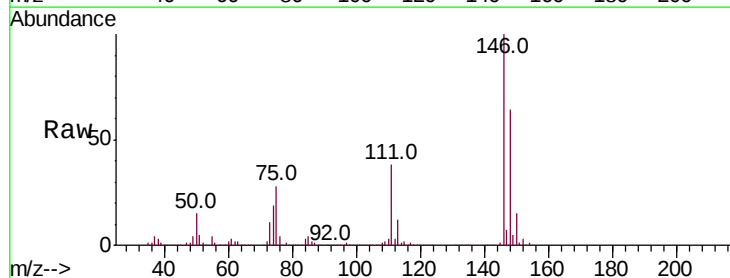


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

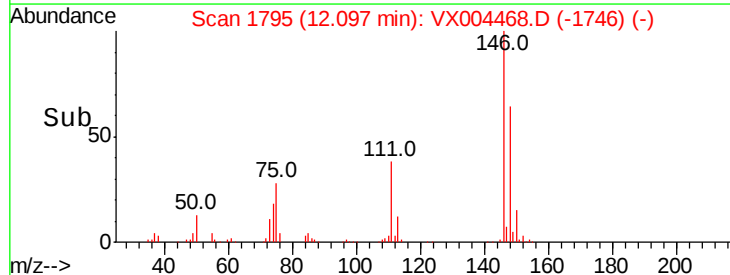
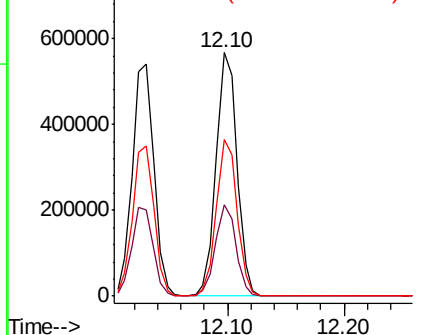


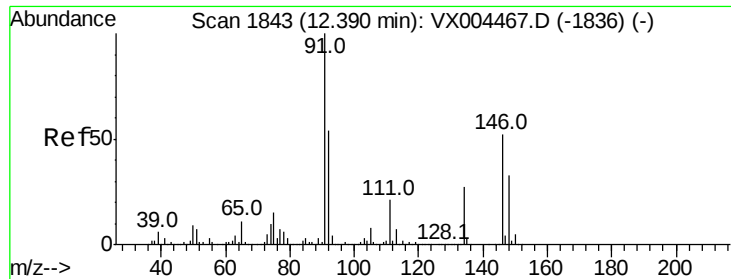
#88
 1,4-Dichlorobenzene
 Concen: 93.627 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion:146 Resp: 697938
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 64.2 32.0 96.0



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

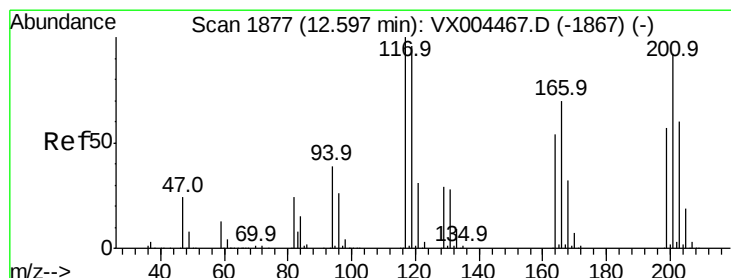
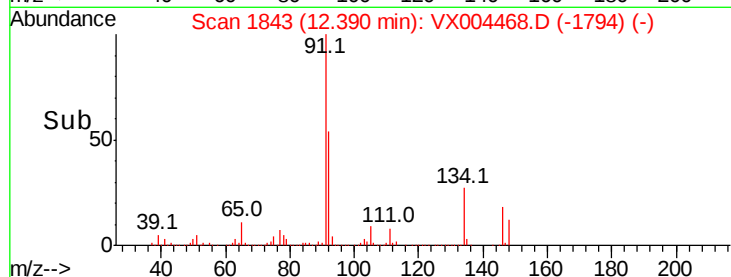
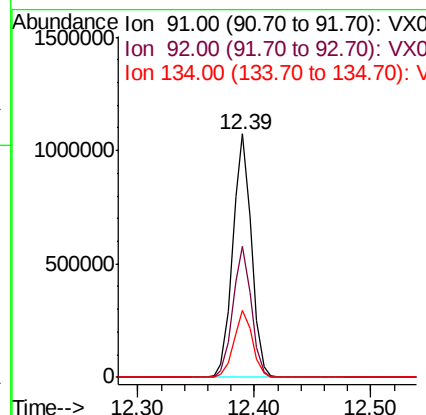
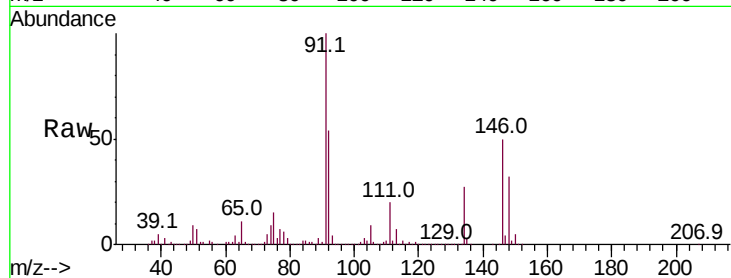




#89
n-Butylbenzene
Concen: 103.464 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

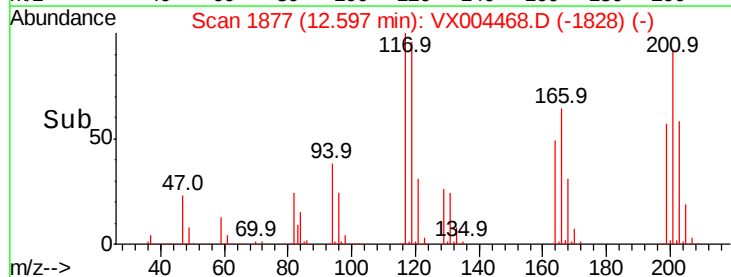
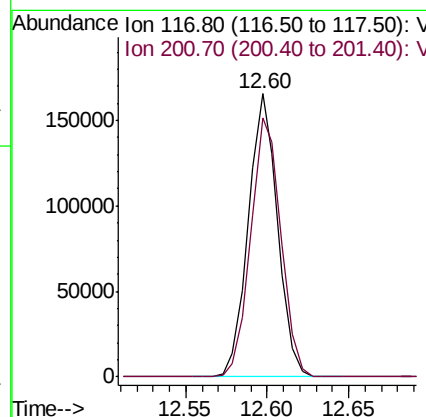
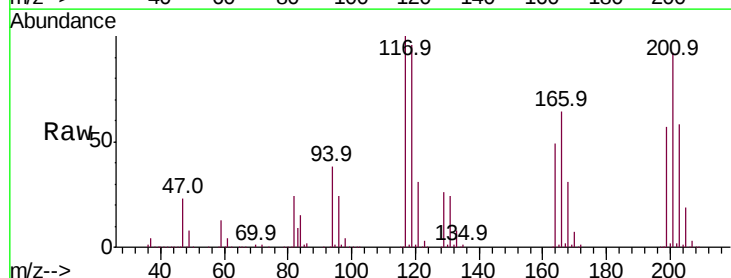
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

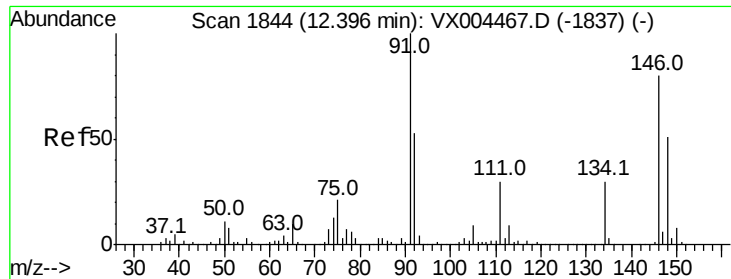
Tot Ion: 91 Resp: 1187938
Ion Ratio Lower Upper
91 100
92 53.3 27.3 81.9
134 27.2 13.6 40.7



#90
Hexachloroethane
Concen: 102.290 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 117 Resp: 206325
Ion Ratio Lower Upper
117 100
201 94.6 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 95.635 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

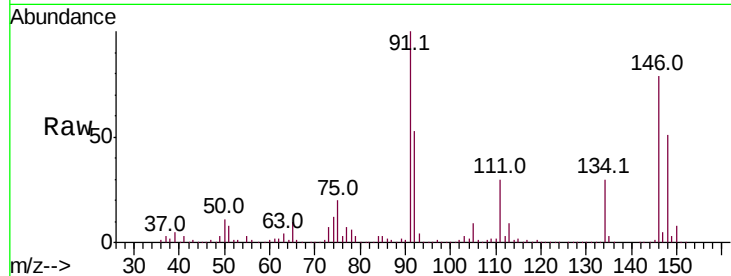
Tot Ion:146 Resp: 698347

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.1

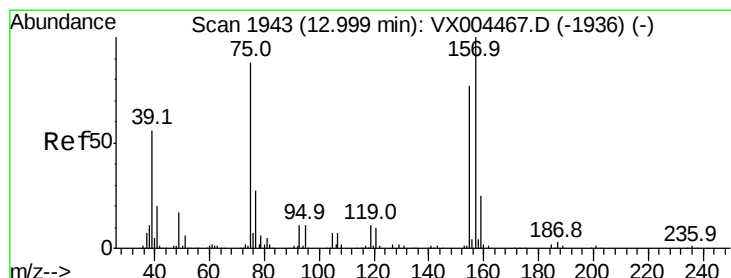
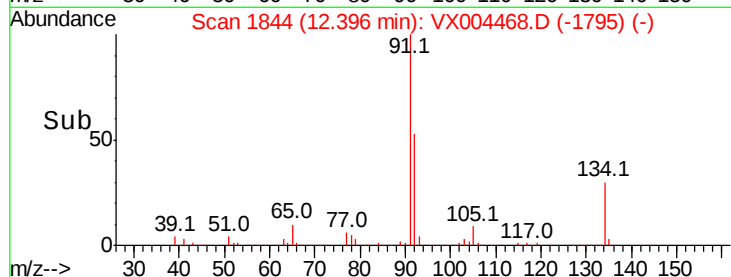
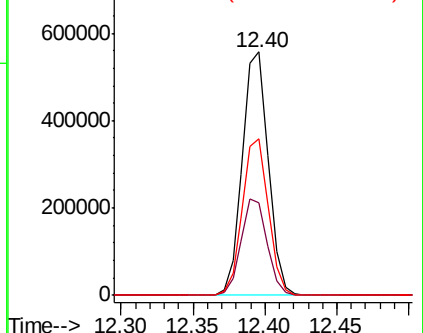
148 64.4 32.8 98.3



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: 104.006 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

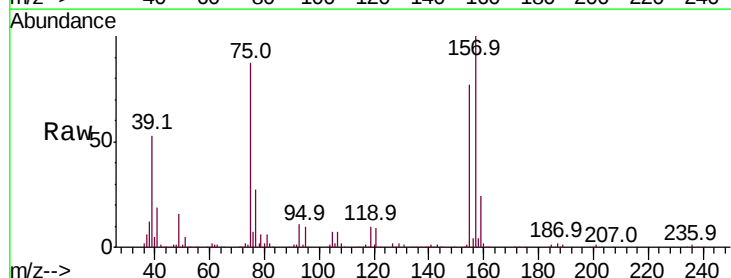
Tgt Ion: 75 Resp: 100212

Ion Ratio Lower Upper

75 100

155 95.1 48.0 144.2

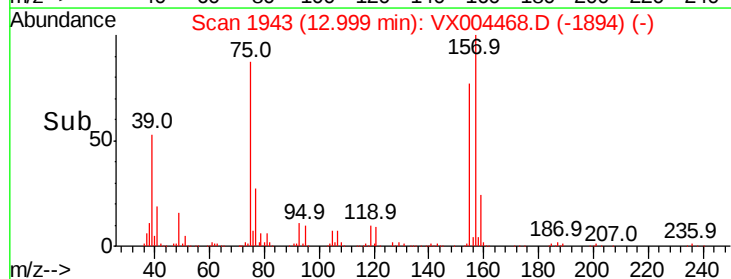
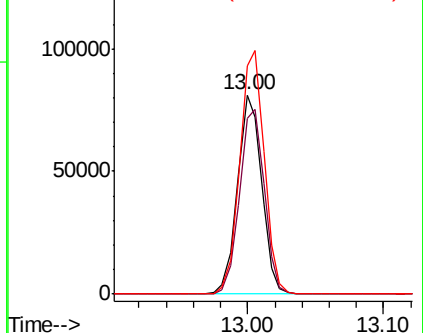
157 123.8 61.4 184.1

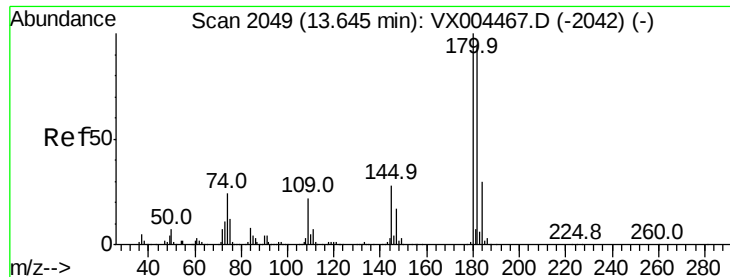


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

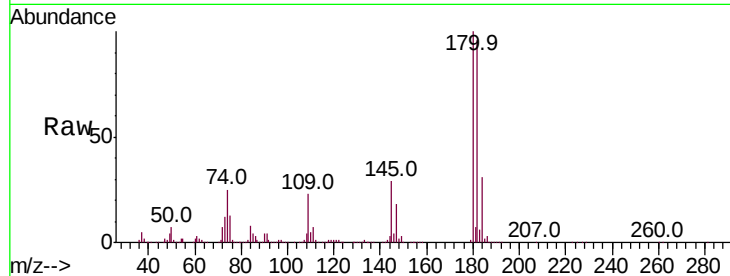




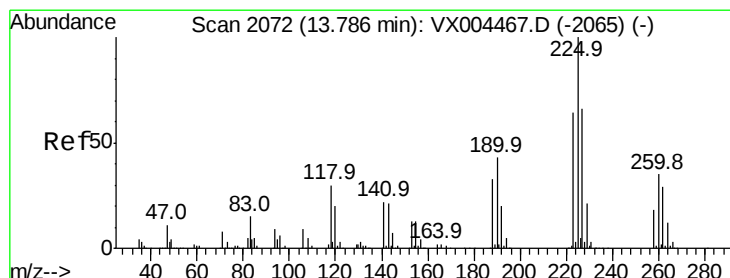
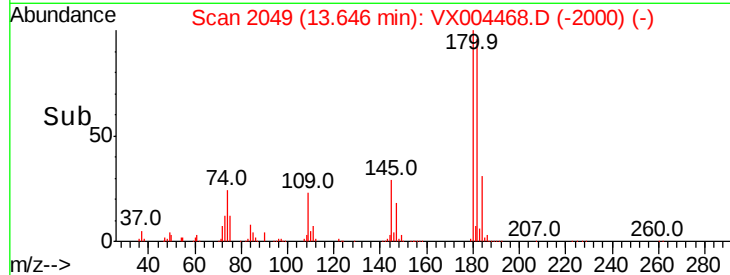
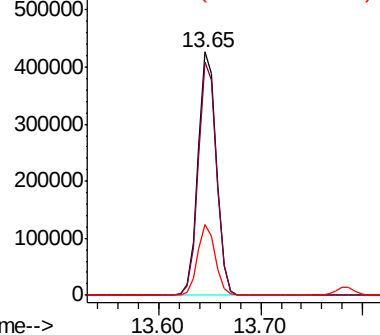
#93
 1,2,4-Trichlorobenzene
 Concen: 102.183 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 528339
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.4 145.0
 145 28.2 14.3 42.9

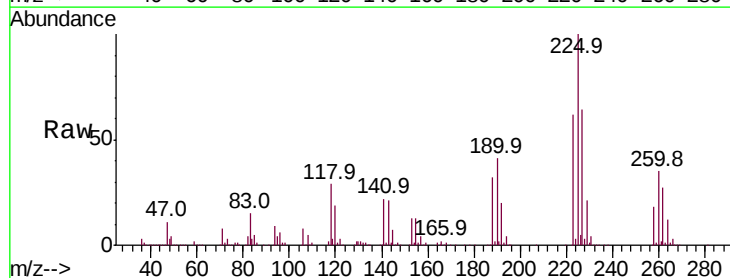


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

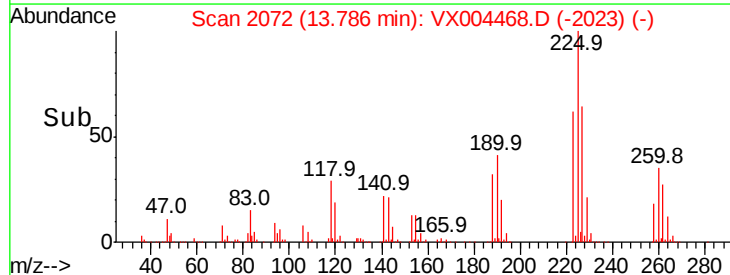
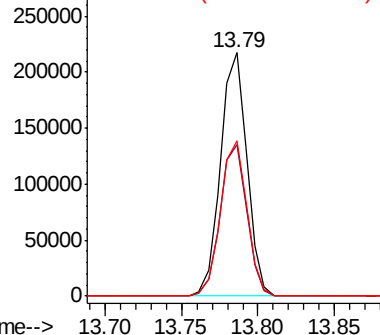


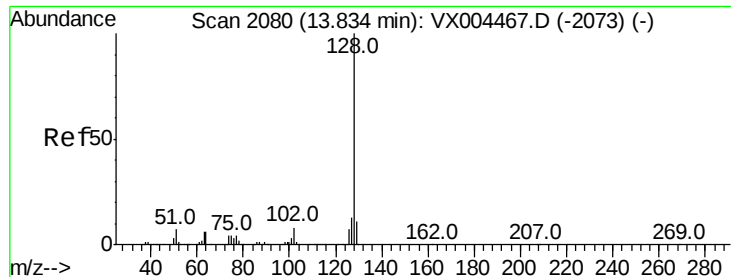
#94
 Hexachlorobutadiene
 Concen: 96.486 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion:225 Resp: 260592
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.1 90.5
 227 64.1 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: 106.983 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

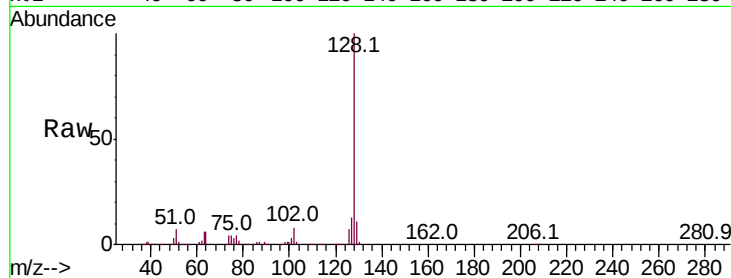
Tot Ion:128 Resp: 1551464

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

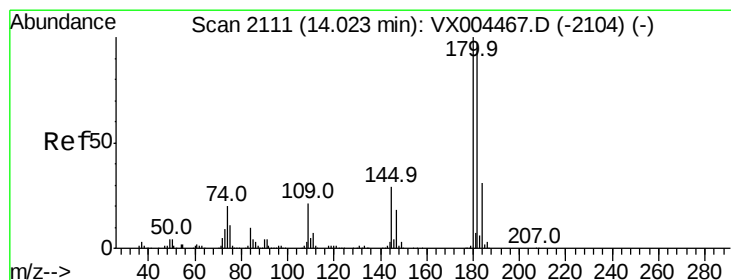
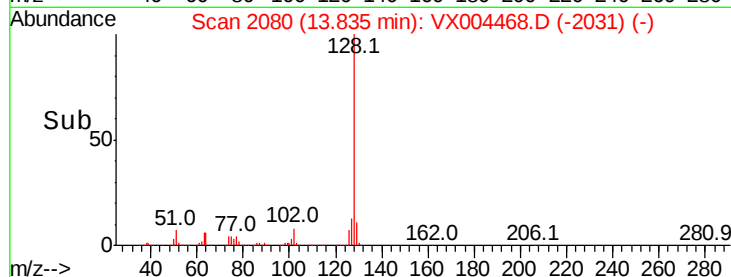
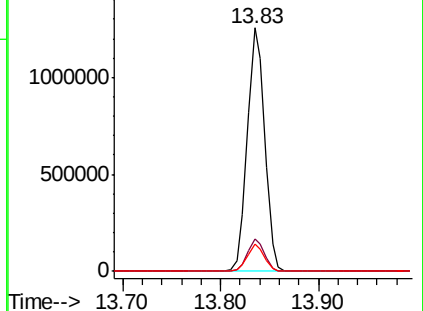
129 10.9 8.6 12.8



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: 99.605 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

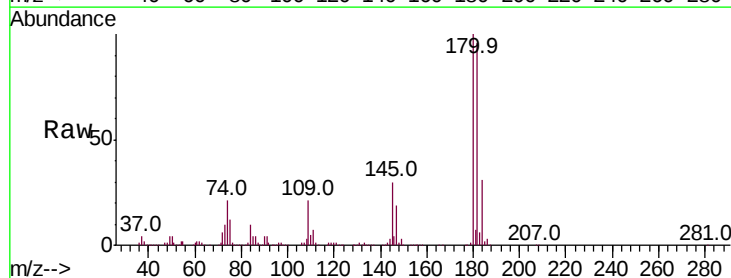
Tgt Ion:180 Resp: 529097

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 29.9 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

