

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004466.D
 Acq On : 11 Sep 2018 13:27
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 12 01:44:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	72245	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
35) Dibromofluoromethane	5.51	113	62354	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	8.72	98	205693	18.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.86%	
62) 4-Bromofluorobenzene	11.14	95	71213	18.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55543	21.202	ug/l	93
3) Chloromethane	1.32	50	75118	20.836	ug/l	98
4) Vinyl Chloride	1.40	62	73480	19.858	ug/l	98
5) Bromomethane	1.64	94	34900	19.765	ug/l	98
6) Chloroethane	1.72	64	47355	19.790	ug/l	100
7) Trichlorofluoromethane	1.93	101	100379	20.463	ug/l	93
8) Diethyl Ether	2.19	74	45374	20.633	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65326	20.993	ug/l	99
10) Methyl Iodide	2.51	142	65187	19.047	ug/l	97
11) Tert butyl alcohol	3.07	59	85846	99.821	ug/l	100
12) 1,1-Dichloroethene	2.37	96	58186	19.922	ug/l	92
13) Acrolein	2.29	56	29881	88.020	ug/l	96
14) Allyl chloride	2.73	41	119144	19.843	ug/l	96
15) Acrylonitrile	3.15	53	202615	97.835	ug/l	95
16) Acetone	2.45	43	164902	93.743	ug/l	94
17) Carbon Disulfide	2.57	76	169638	20.095	ug/l	97
18) Methyl Acetate	2.78	43	95438	19.338	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	198026	19.324	ug/l	92
20) Methylene Chloride	2.85	84	70005	19.400	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	61926	19.188	ug/l	99
22) Diisopropyl ether	3.87	45	214741	19.857	ug/l	96
23) Vinyl Acetate	3.82	43	871142	99.542	ug/l	99
24) 1,1-Dichloroethane	3.69	63	119571	19.584	ug/l	97
25) 2-Butanone	4.70	43	258520	92.341	ug/l	92
26) 2,2-Dichloropropane	4.58	77	81871	19.523	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	72738	20.190	ug/l	97
28) Bromochloromethane	5.02	49	60045	21.500	ug/l	95
29) Tetrahydrofuran	5.16	42	167606	99.273	ug/l	97
30) Chloroform	5.21	83	119537	20.054	ug/l	95
31) Cyclohexane	5.57	56	106837	20.492	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	96832	20.169	ug/l	98
36) 1,1-Dichloropropene	5.80	75	87159	20.280	ug/l	98
37) Ethyl Acetate	4.86	43	96724	19.788	ug/l	100
38) Carbon Tetrachloride	5.79	117	84522	20.135	ug/l	97

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Quant Time: Sep 12 01:44:19 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)
39) Methylcyclohexane	7.46	83	88138	19.652	ug/l	97
40) Benzene	6.15	78	262932	20.619	ug/l	98
41) Methacrylonitrile	5.06	41	53527	19.875	ug/l	99
42) 1,2-Dichloroethane	6.20	62	85433	20.200	ug/l	99
43) Isopropyl Acetate	6.46	43	124314	19.148	ug/l	98
44) Trichloroethene	7.21	130	65719	19.837	ug/l	95
45) 1,2-Dichloropropane	7.52	63	61495	20.041	ug/l	97
46) Dibromomethane	7.66	93	38429	19.825	ug/l	97
47) Bromodichloromethane	7.90	83	72843	19.871	ug/l	99
48) Methyl methacrylate	7.78	41	64269	20.003	ug/l	97
49) 1,4-Dioxane	7.76	88	30949	406.976	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	429804	93.810	ug/l	96
52) Toluene	8.79	92	157532	20.968	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	84710	19.782	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	86962	19.921	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	65980	20.396	ug/l	95
56) Ethyl methacrylate	9.18	69	92870	20.293	ug/l	99
57) 1,3-Dichloropropane	9.38	76	104688	19.917	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	213593	101.736	ug/l	96
59) 2-Hexanone	9.50	43	326214	92.825	ug/l	99
60) Dibromochloromethane	9.58	129	60031	19.711	ug/l	98
61) 1,2-Dibromoethane	9.68	107	60512	19.581	ug/l	100
64) Tetrachloroethene	9.34	164	84620	20.608	ug/l	98
65) Chlorobenzene	10.14	112	163148	19.972	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	55779	19.800	ug/l	99
67) Ethyl Benzene	10.26	91	270599	20.372	ug/l	97
68) m/p-Xylenes	10.36	106	213045	41.638	ug/l	96
69) o-Xylene	10.70	106	99631	20.254	ug/l	97
70) Styrene	10.71	104	169127	20.753	ug/l	98
71) Bromoform	10.86	173	44887	19.406	ug/l #	99
73) Isopropylbenzene	11.02	105	273222	20.923	ug/l	99
74) N-amyl acetate	10.90	43	108306	19.705	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	82312	19.542	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	102119	26.358	ug/l	86
77) Bromobenzene	11.26	156	73309	20.311	ug/l	98
78) n-propylbenzene	11.36	91	314106	20.920	ug/l	99
79) 2-Chlorotoluene	11.42	91	187848	20.629	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	231163	21.058	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	24068	19.231	ug/l	99
82) 4-Chlorotoluene	11.51	91	222010	20.889	ug/l	99
83) tert-Butylbenzene	11.77	119	212819	20.363	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	237532	21.193	ug/l	99
85) sec-Butylbenzene	11.95	105	277522	20.838	ug/l	98
86) p-Isopropyltoluene	12.07	119	248549	21.134	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	134189	19.927	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	136998	19.689	ug/l	98
89) n-Butylbenzene	12.39	91	212763	19.853	ug/l	97
90) Hexachloroethane	12.60	117	36241	19.249	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	133706	19.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18006	20.021	ug/l	99

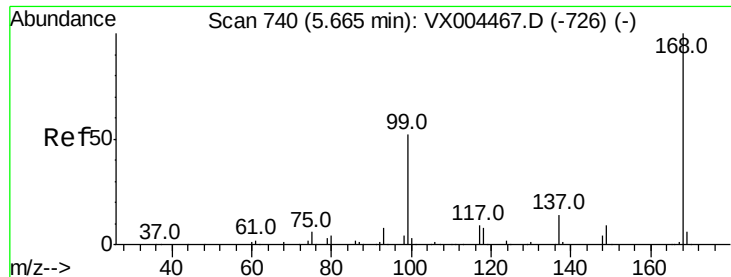
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96434	19.981	ug/l	98
94) Hexachlorobutadiene	13.79	225	49206	19.518	ug/l	98
95) Naphthalene	13.83	128	275787	20.374	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99439	20.055	ug/l	99

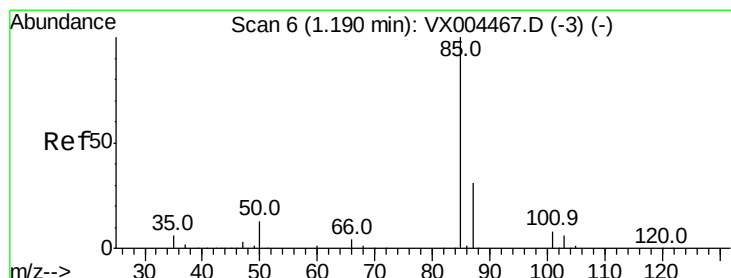
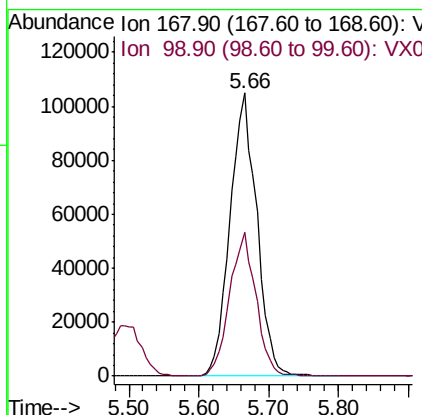
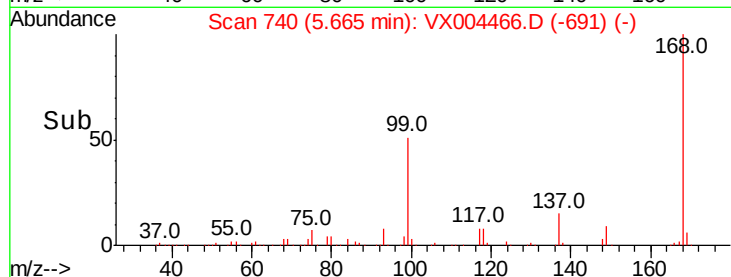
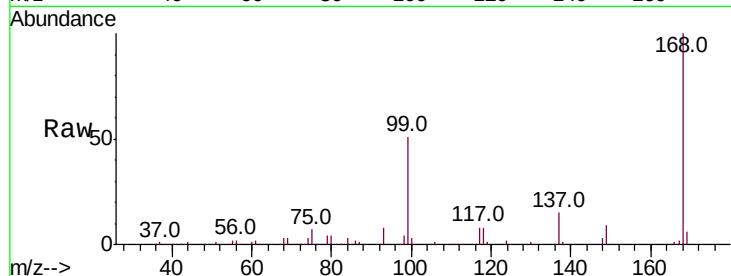
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

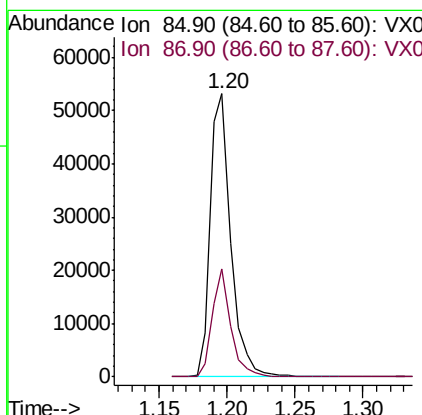
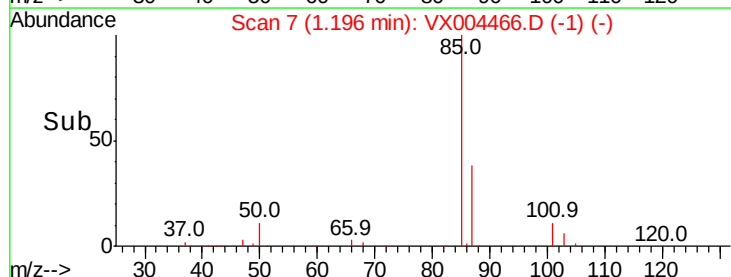
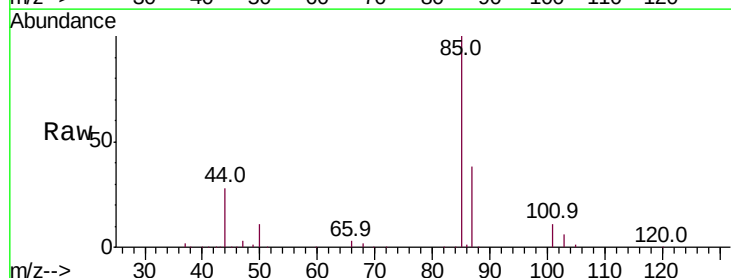
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

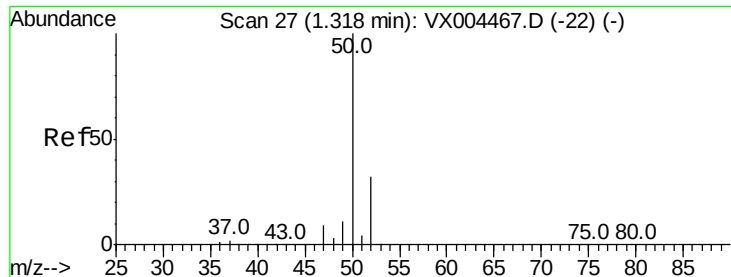
Tot Ion:168 Resp: 279519
Ion Ratio Lower Upper
168 100
99 51.0 39.9 59.9



#2
Dichlorodifluoromethane
Concen: 21.202 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.01 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 85 Resp: 55543
Ion Ratio Lower Upper
85 100
87 38.1 17.0 50.9





#3

Chloromethane

Concen: 20.836 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

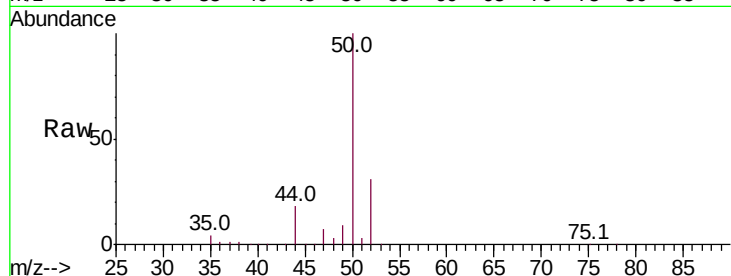
VSTDIC020

Tot Ion: 50 Resp: 75118

Ion Ratio Lower Upper

50 100

52 31.3 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

80000

60000

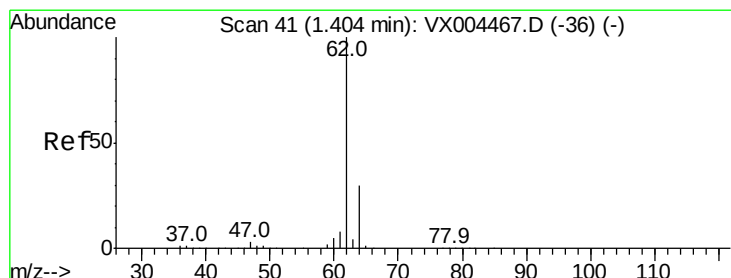
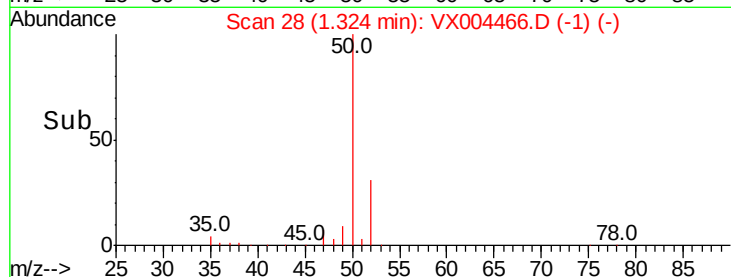
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 19.858 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004466.D

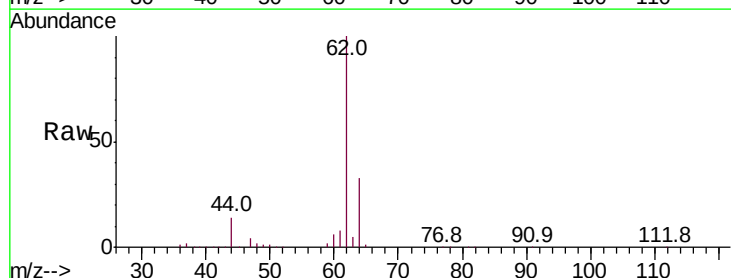
Acq: 11 Sep 2018 13:27

Tgt Ion: 62 Resp: 73480

Ion Ratio Lower Upper

62 100

64 33.4 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

80000

60000

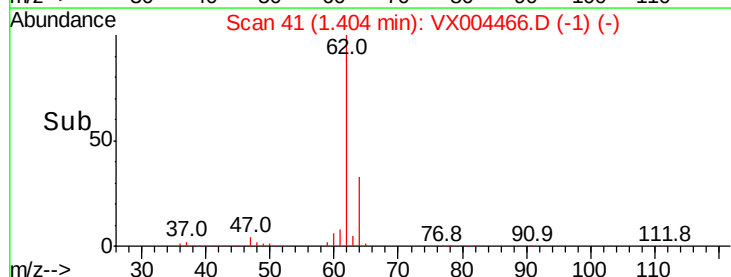
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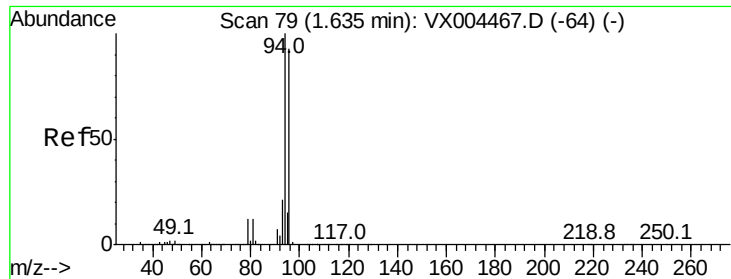
20000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 19.765 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

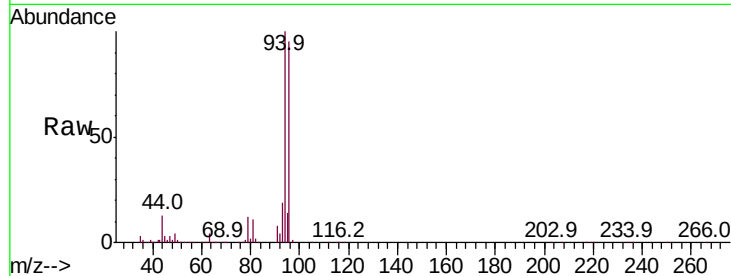
VSTDIC020

Tot Ion: 94 Resp: 34900

Ion Ratio Lower Upper

94 100

96 94.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

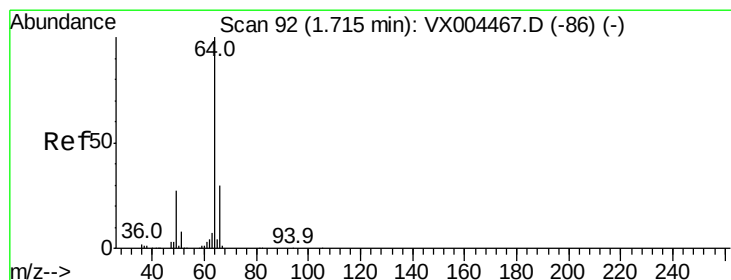
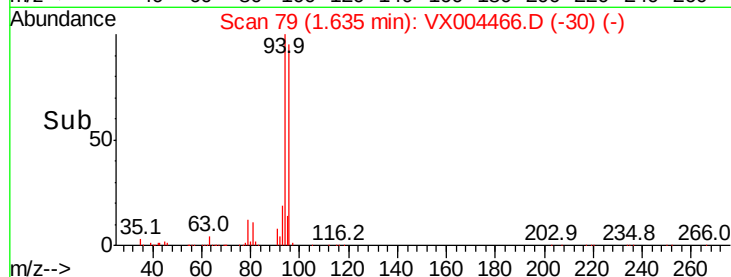
20000

10000

0

1.50 1.60 1.70 1.80

Time-->



#6

Chloroethane

Concen: 19.790 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004466.D

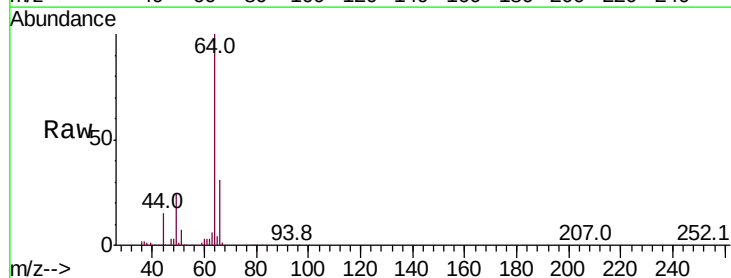
Acq: 11 Sep 2018 13:27

Tgt Ion: 64 Resp: 47355

Ion Ratio Lower Upper

64 100

66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

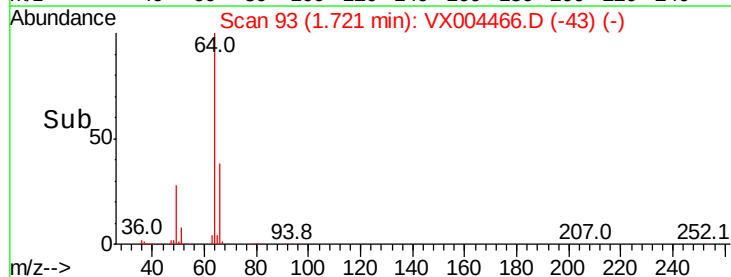
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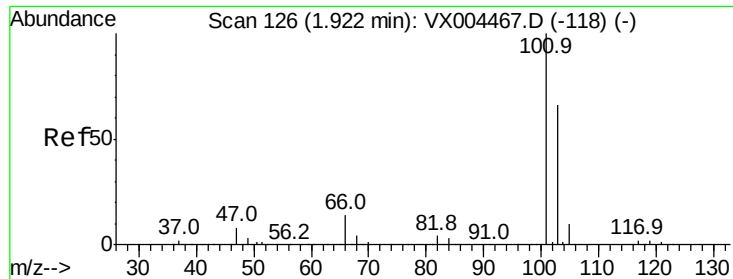
10000

0

1.70 1.80

Time-->



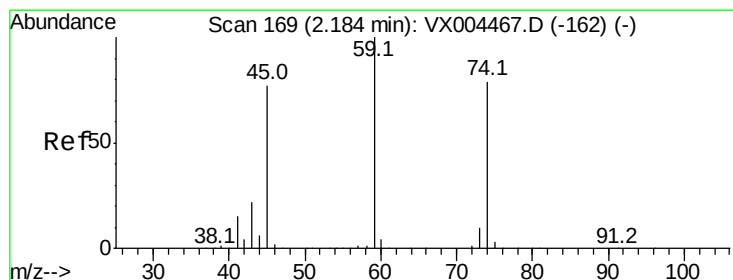
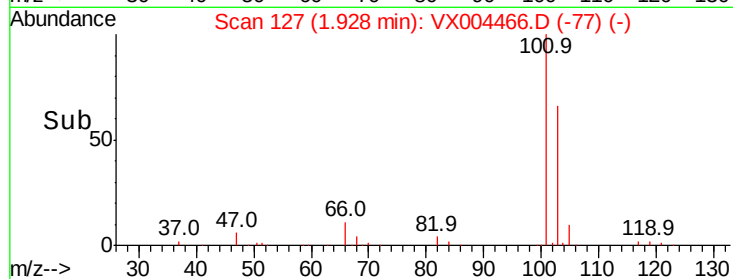
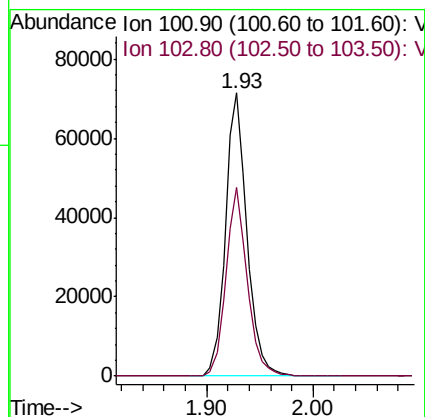
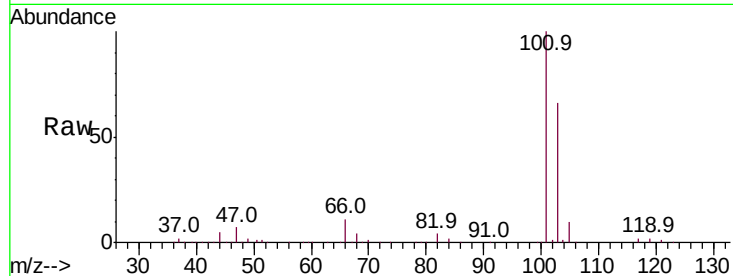


#7

Trichlorofluoromethane
 Concen: 20.463 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

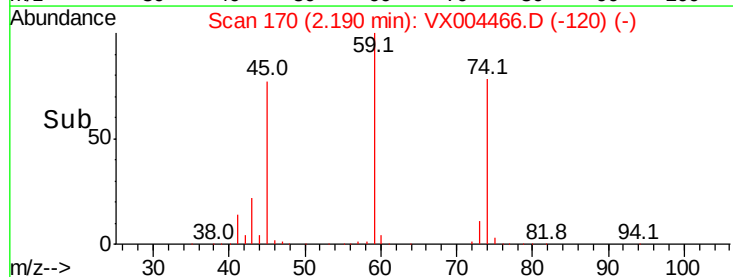
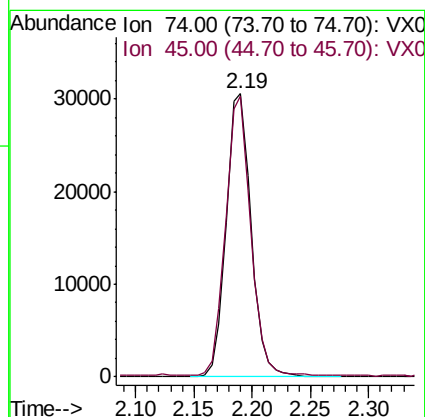
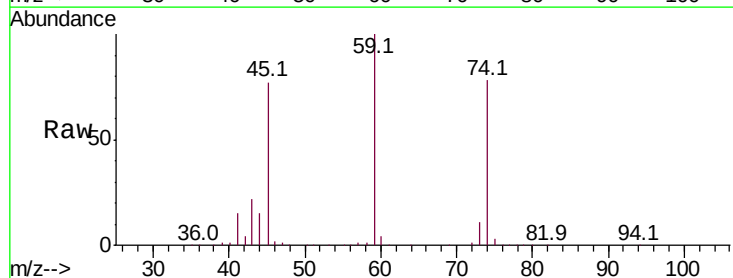
Tot Ion:101 Resp: 100379
 Ion Ratio Lower Upper
 101 100
 103 66.5 48.9 73.3

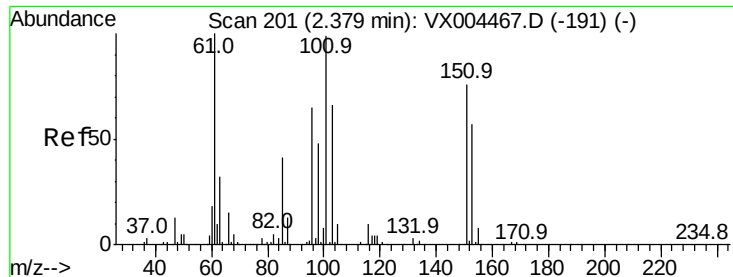


#8

Diethyl Ether
 Concen: 20.633 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 74 Resp: 45374
 Ion Ratio Lower Upper
 74 100
 45 98.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.993 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

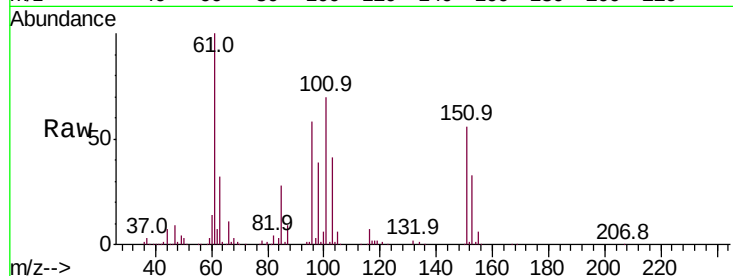
Tot Ion:101 Resp: 65326

Ion Ratio Lower Upper

101 100

85 40.7 34.2 51.4

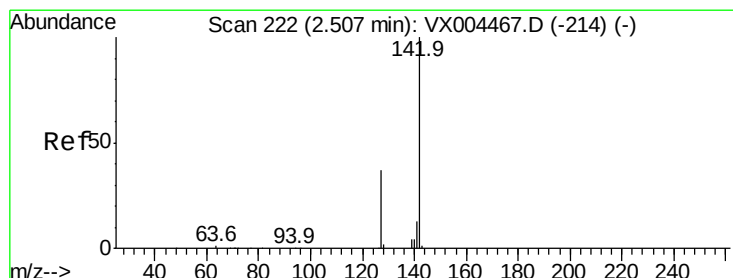
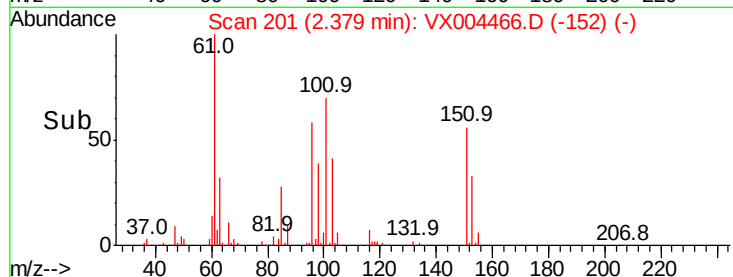
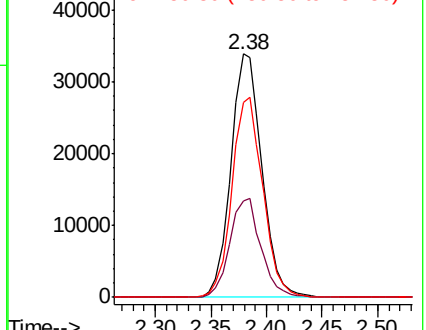
151 81.7 65.0 97.6



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: 19.047 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

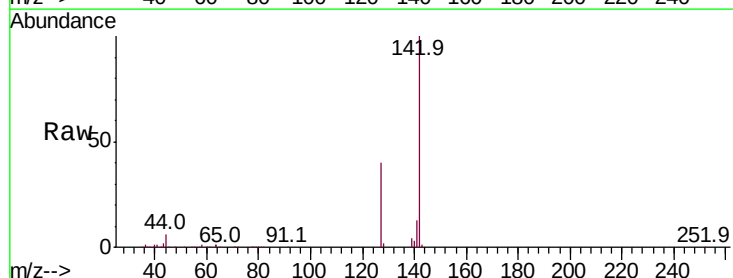
Tgt Ion:142 Resp: 65187

Ion Ratio Lower Upper

142 100

127 40.2 33.8 50.6

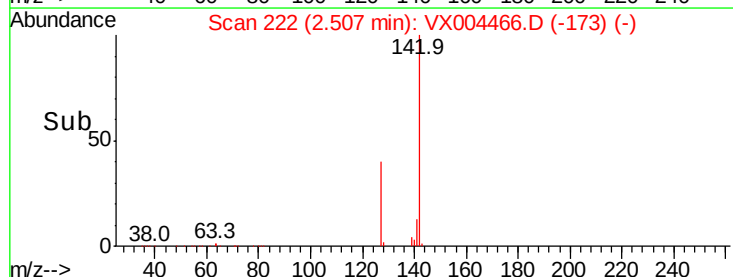
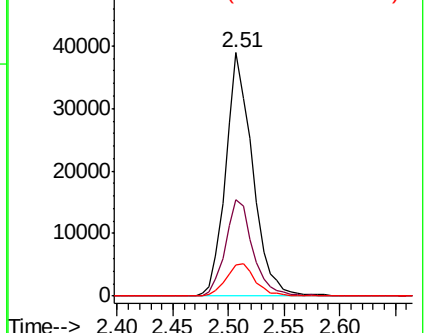
141 14.5 11.4 17.0

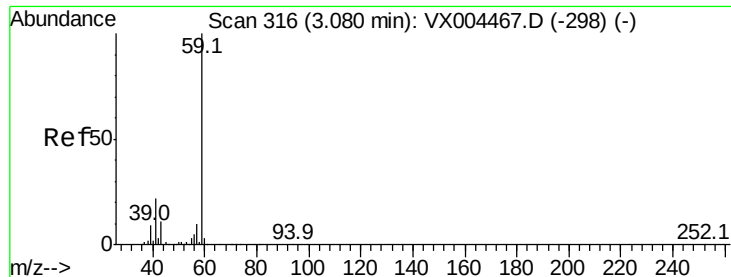


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



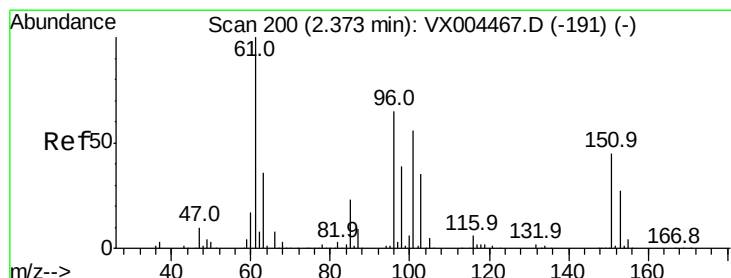
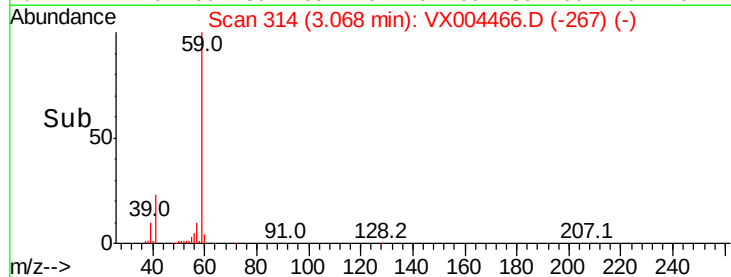
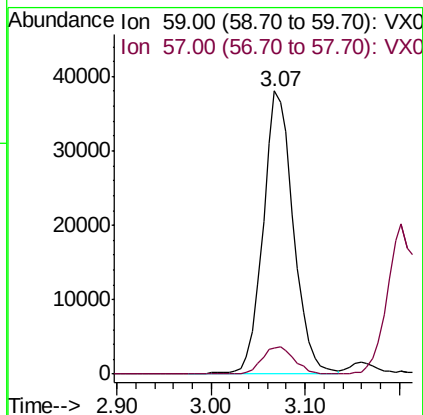
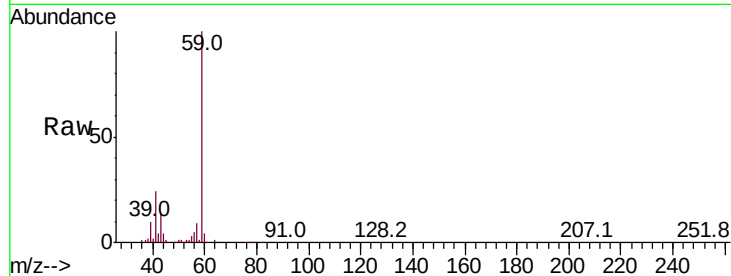


#11

Tert butyl alcohol
 Concen: 99.821 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

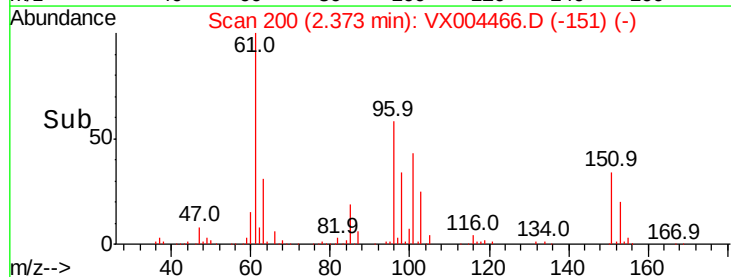
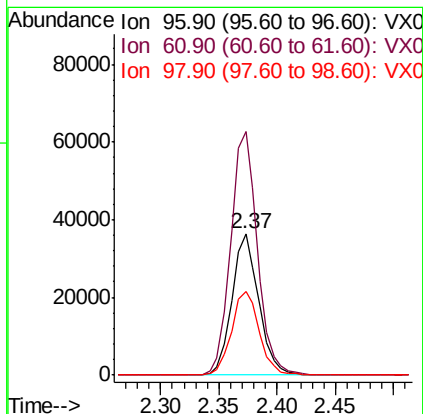
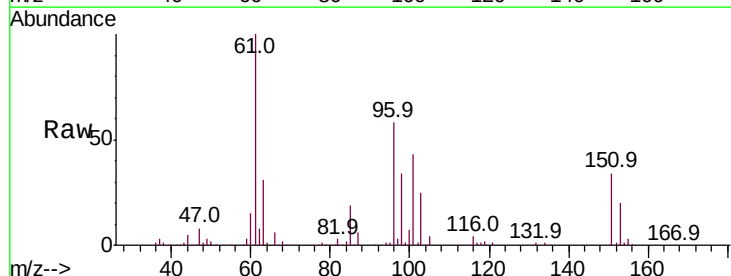
Tot Ion: 59 Resp: 85846
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

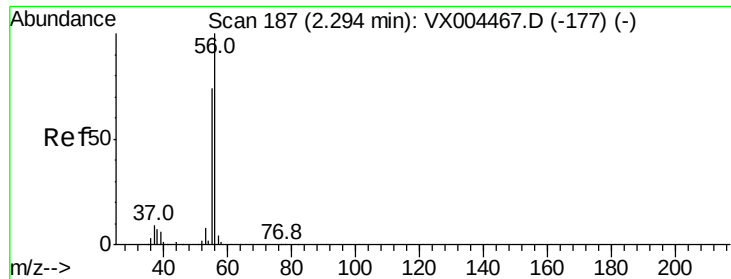


#12

1,1-Dichloroethene
 Concen: 19.922 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 96 Resp: 58186
 Ion Ratio Lower Upper
 96 100
 61 172.4 128.8 193.2
 98 59.4 52.2 78.2





#13

Acrolein

Concen: 88.020 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

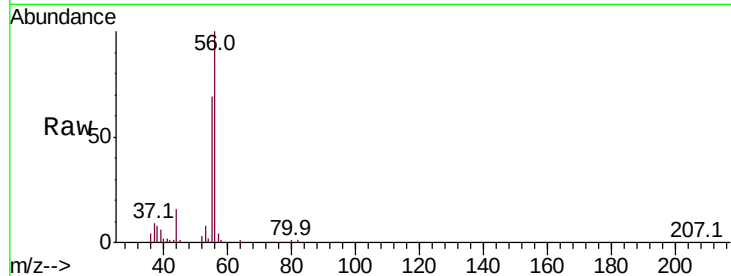
VSTDIC020

Tot Ion: 56 Resp: 29881

Ion Ratio Lower Upper

56 100

55 71.5 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

10000

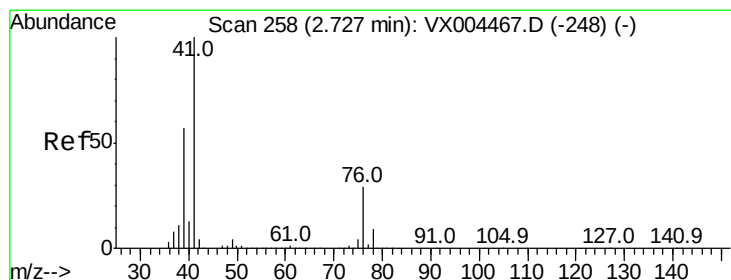
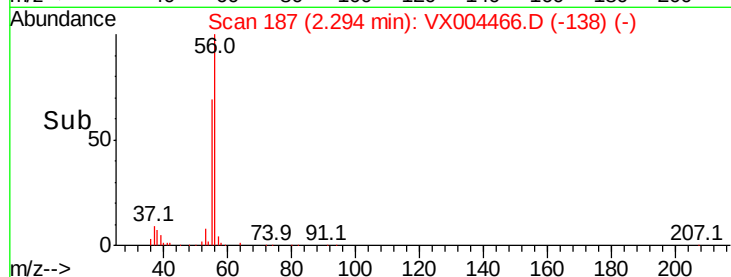
5000

0

2.29

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Allyl chloride

Concen: 19.843 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

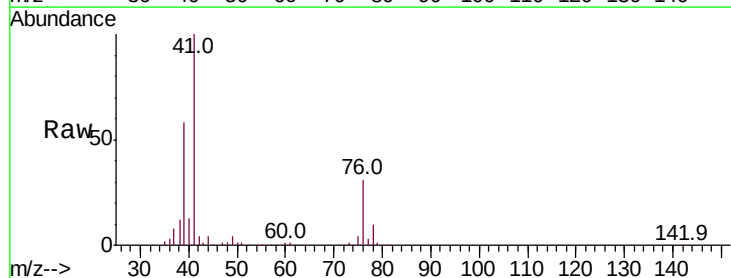
Tgt Ion: 41 Resp: 119144

Ion Ratio Lower Upper

41 100

39 57.7 48.9 73.3

76 31.1 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

60000

40000

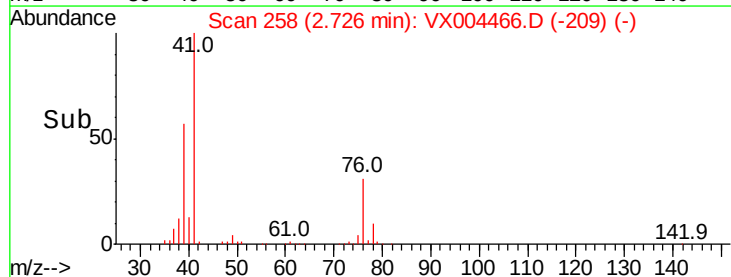
20000

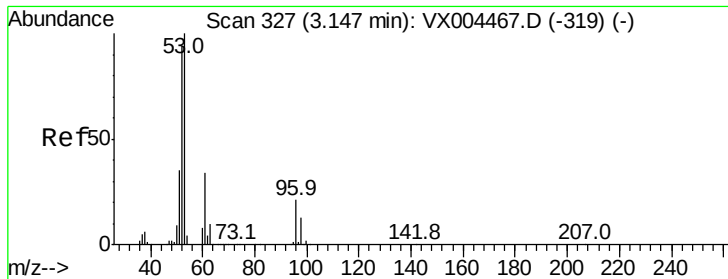
0

2.73

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 97.835 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

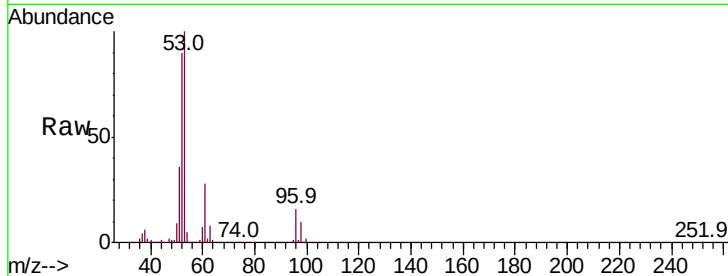
Tot Ion: 53 Resp: 202615

Ion Ratio Lower Upper

53 100

52 87.2 65.2 97.8

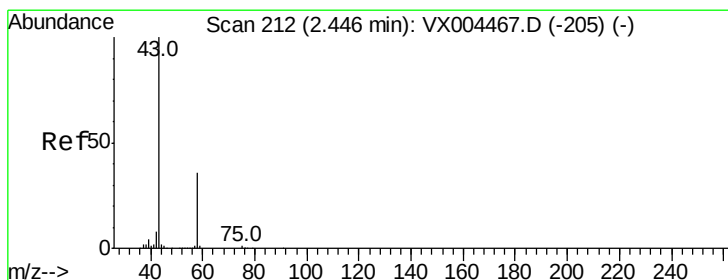
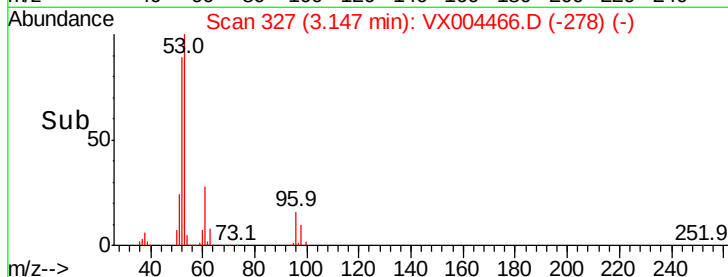
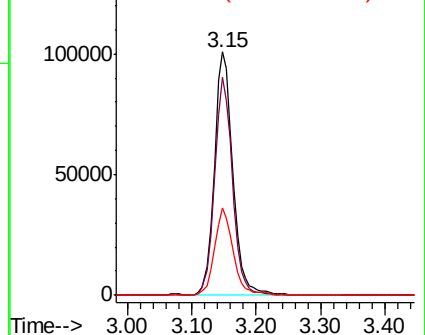
51 36.4 28.2 42.2



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: 93.743 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004466.D

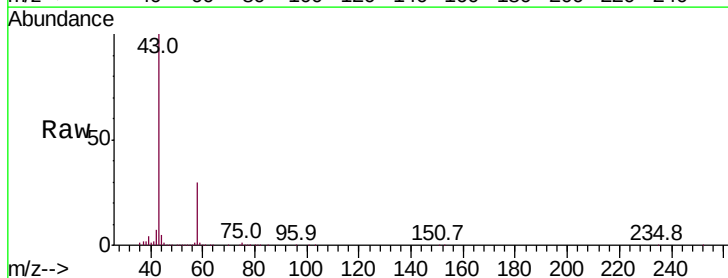
Acq: 11 Sep 2018 13:27

Tgt Ion: 43 Resp: 164902

Ion Ratio Lower Upper

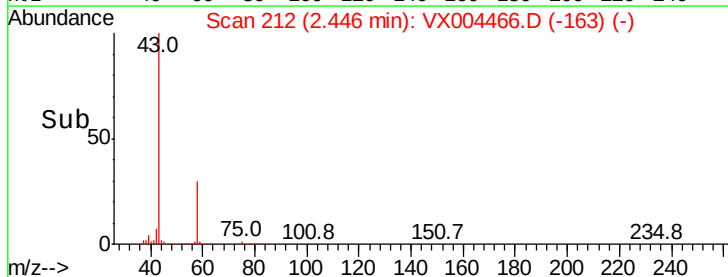
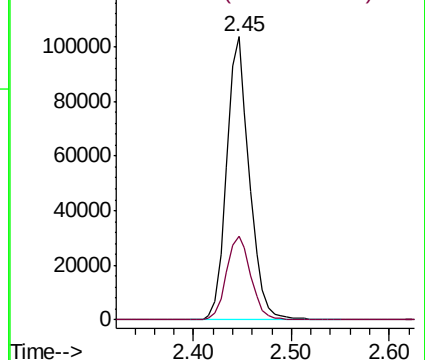
43 100

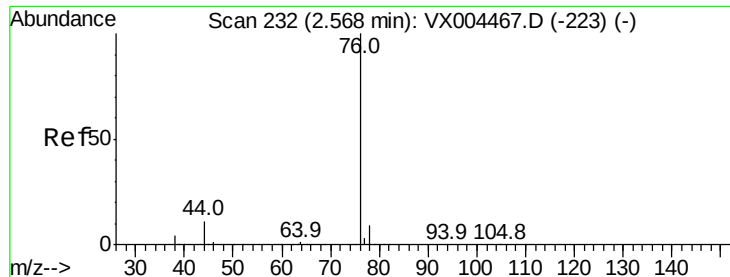
58 29.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 20.095 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

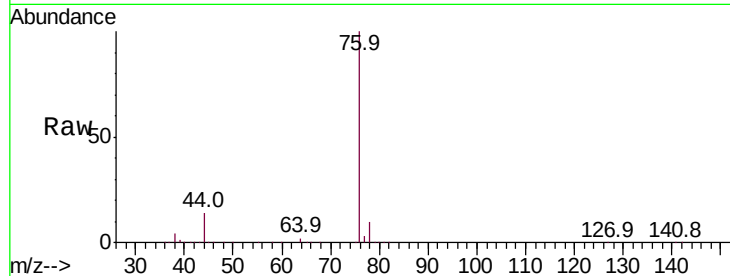
VSTDIC020

Tot Ion: 76 Resp: 169638

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

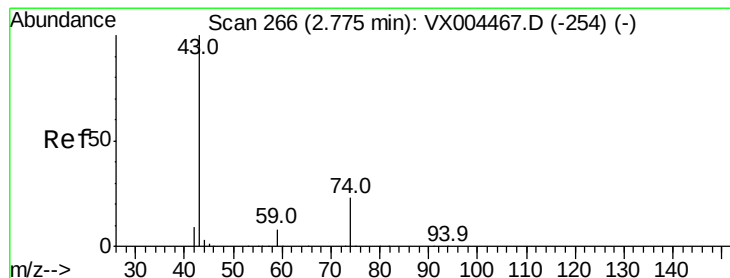
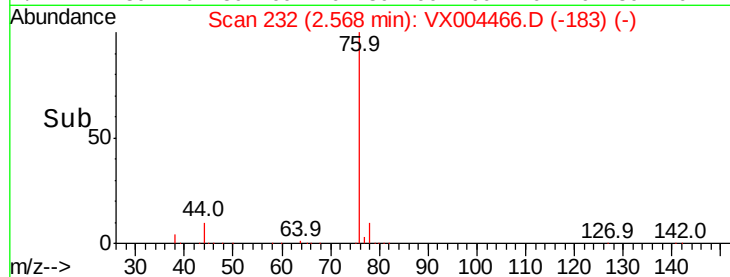
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.338 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004466.D

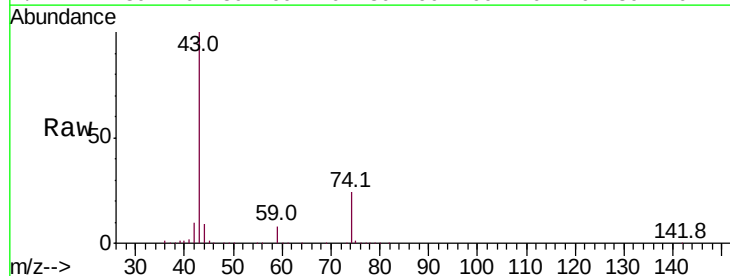
Acq: 11 Sep 2018 13:27

Tgt Ion: 43 Resp: 95438

Ion Ratio Lower Upper

43 100

74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

60000

50000

40000

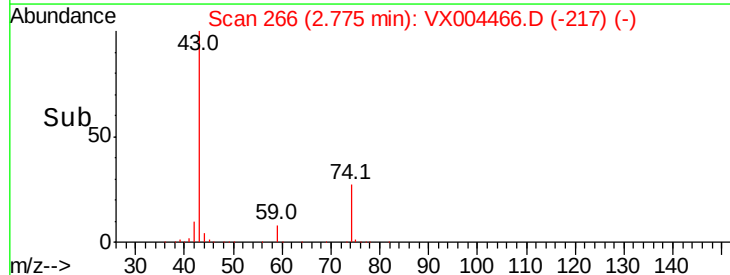
30000

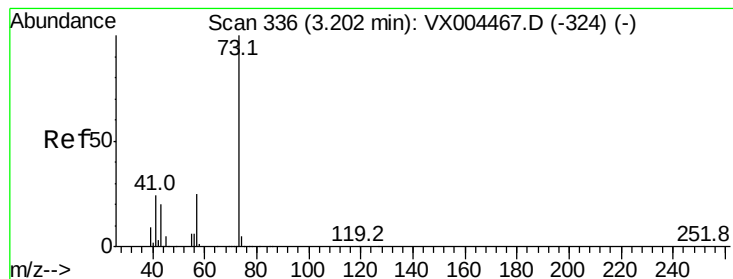
20000

10000

0

Time-->



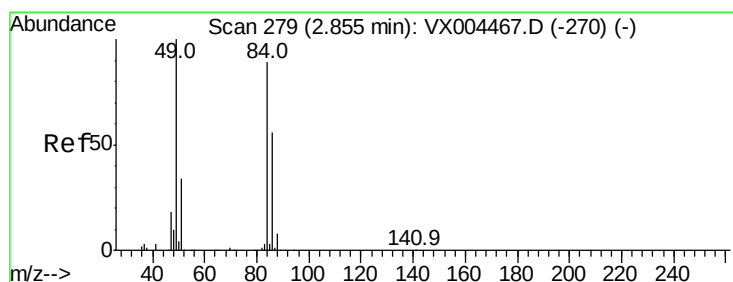
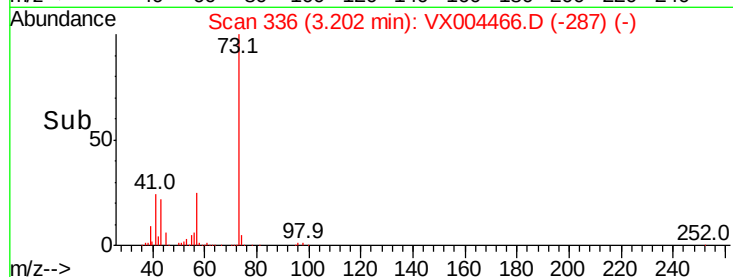
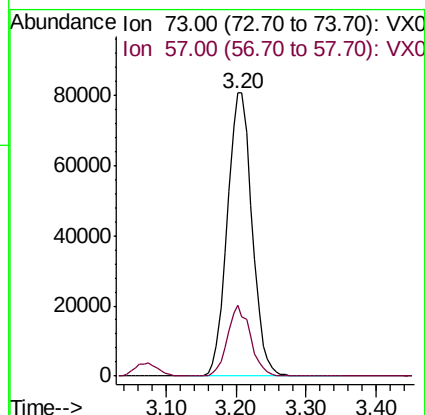
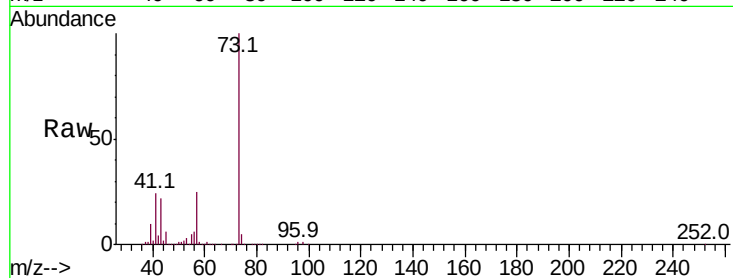


#19

Methyl tert-butyl Ether
 Concen: 19.324 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

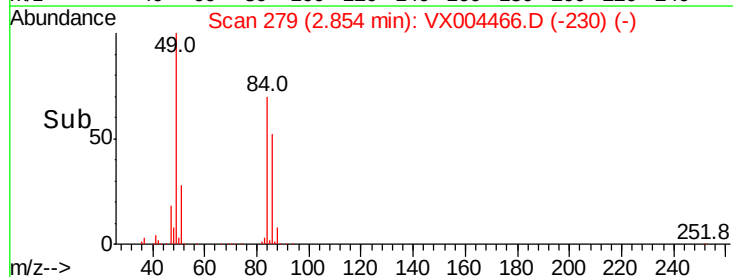
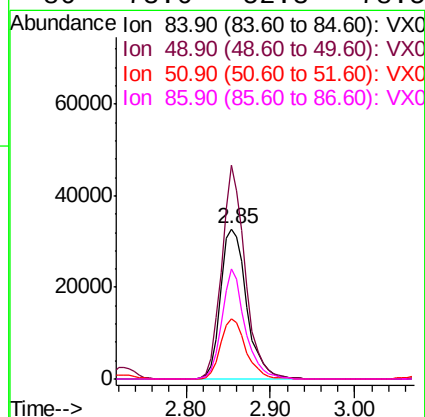
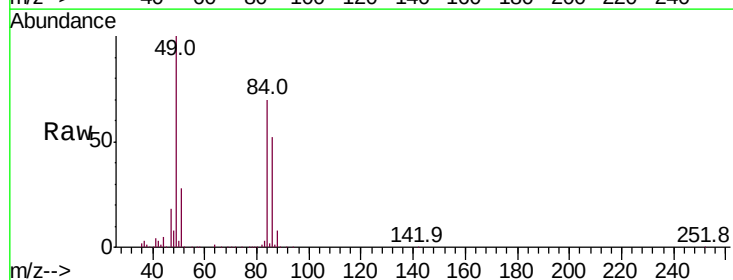
Tot Ion: 73 Resp: 198026
 Ion Ratio Lower Upper
 73 100
 57 25.1 17.1 25.7

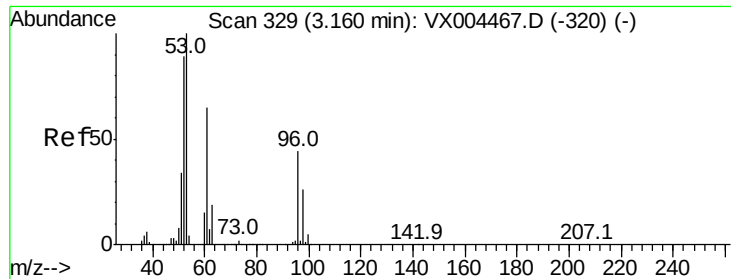


#20

Methylene Chloride
 Concen: 19.400 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 84 Resp: 70005
 Ion Ratio Lower Upper
 84 100
 49 142.2 101.2 151.8
 51 40.0 29.5 44.3
 86 73.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.188 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

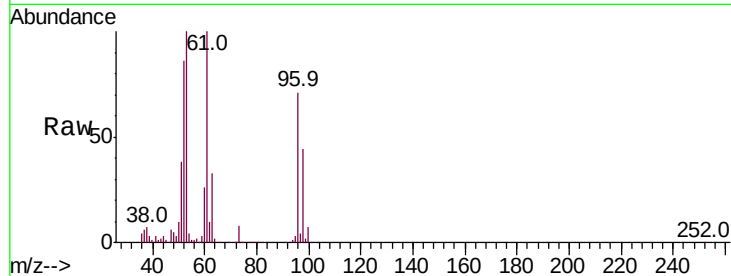
Tot Ion: 96 Resp: 61926

Ion Ratio Lower Upper

96 100

61 141.4 113.8 170.6

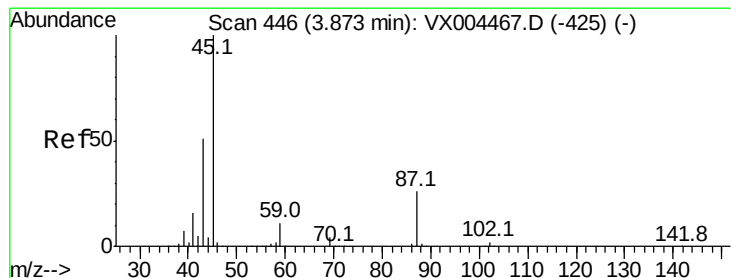
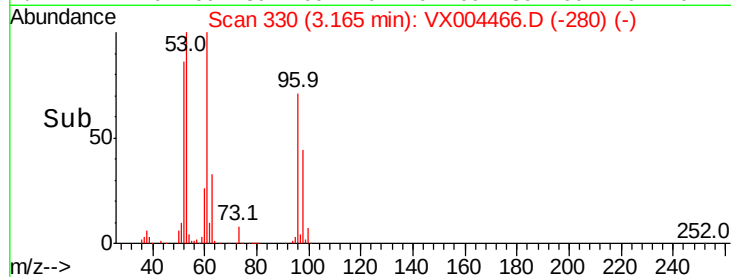
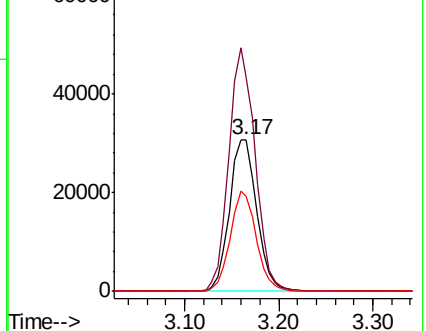
98 62.3 51.8 77.8



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: 19.857 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion: 45 Resp: 214741

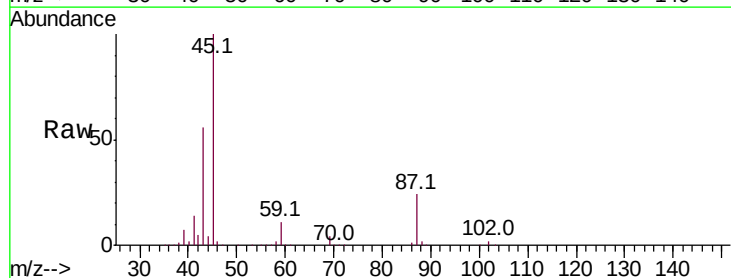
Ion Ratio Lower Upper

45 100

43 55.5 42.8 64.2

87 23.7 22.6 34.0

59 11.4 9.6 14.4

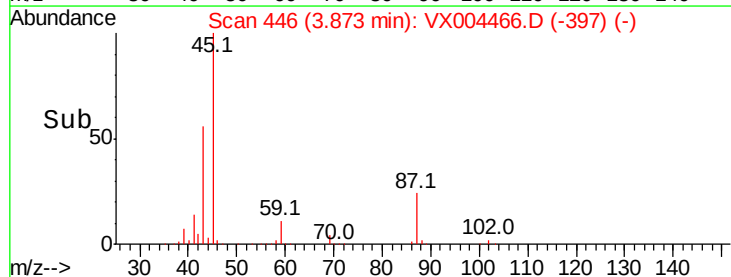
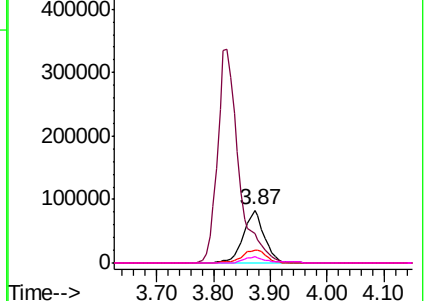


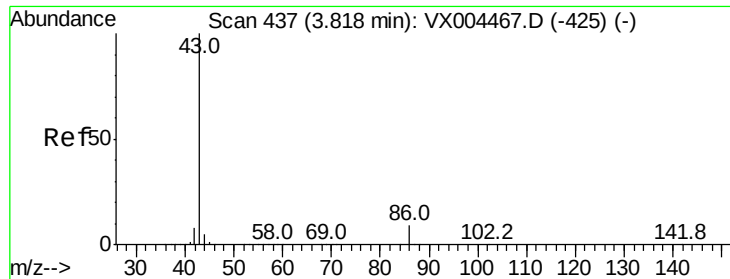
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 99.542 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

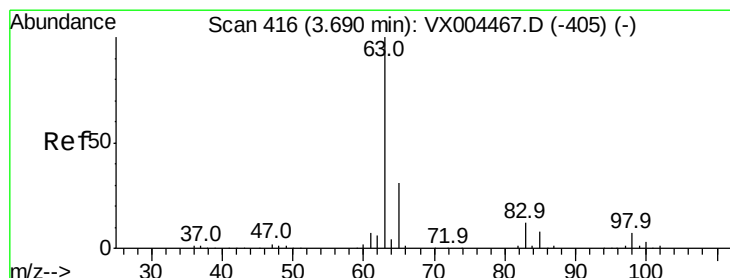
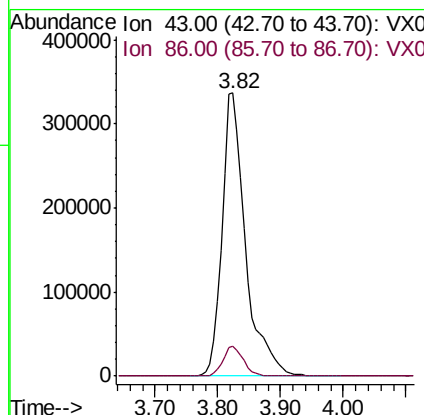
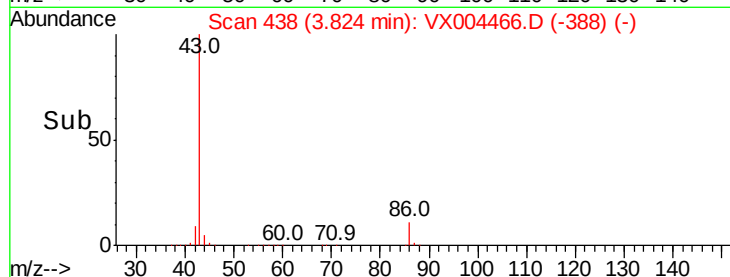
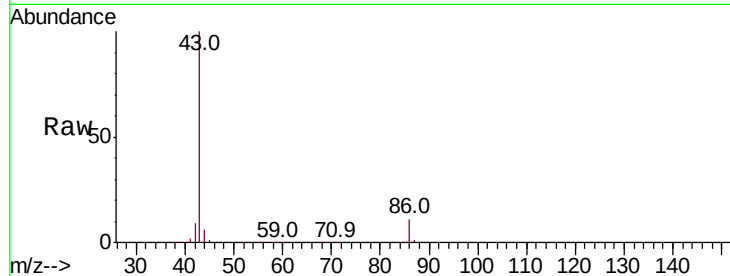
VSTDIC020

Tot Ion: 43 Resp: 871142

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



#24

1,1-Dichloroethane

Concen: 19.584 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

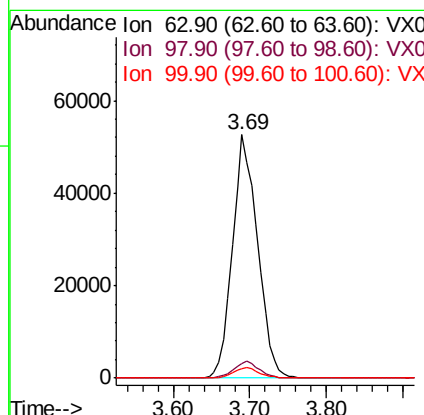
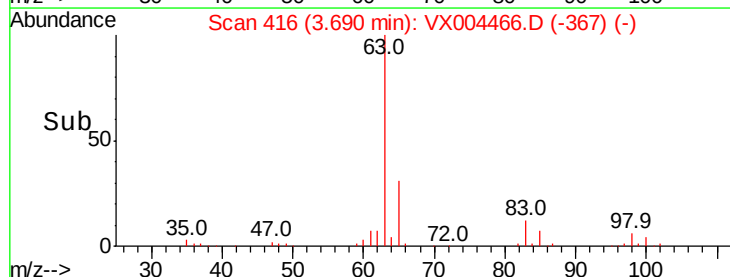
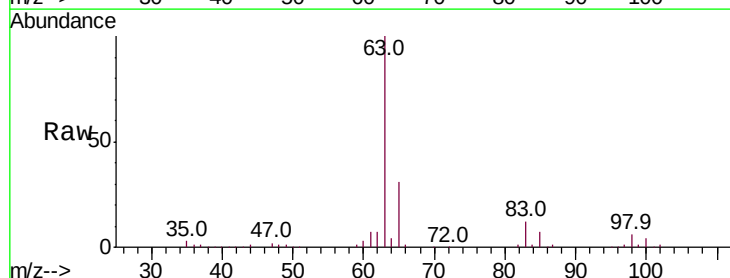
Tgt Ion: 63 Resp: 119571

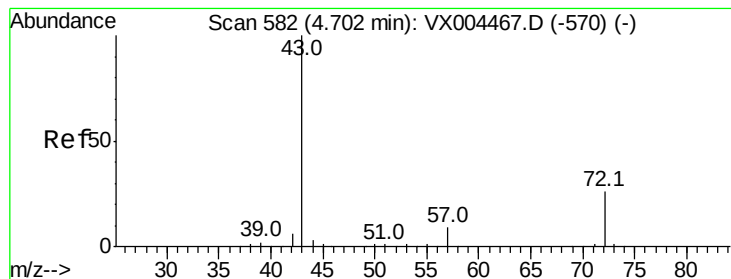
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

100 3.7 2.4 7.1





#25

2-Butanone

Concen: 92.341 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampled :

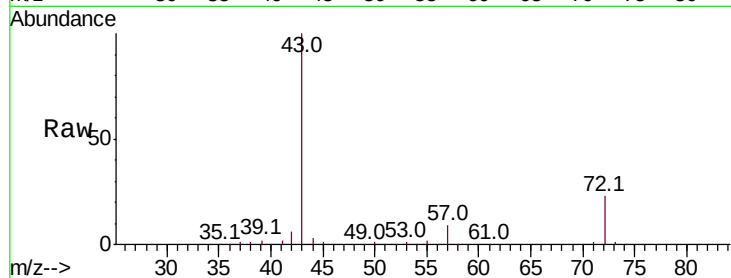
VSTDIC020

Tot Ion: 43 Resp: 258520

Ion Ratio Lower Upper

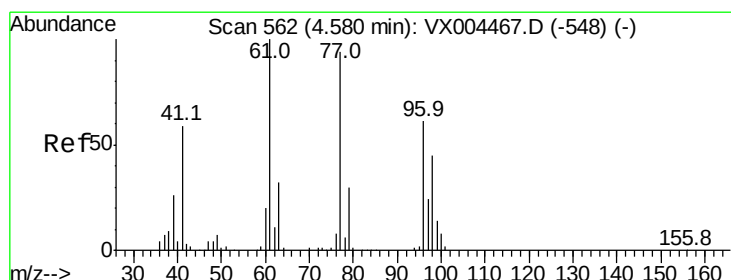
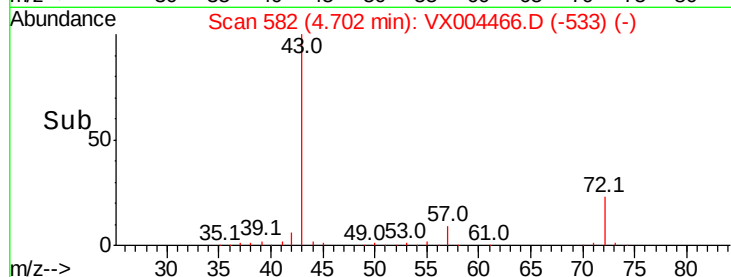
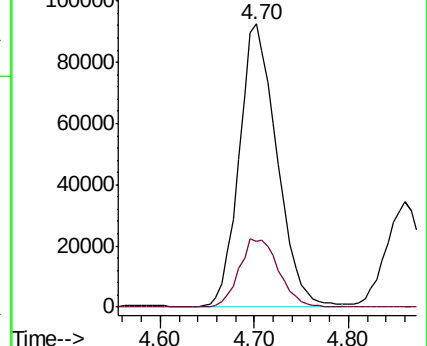
43 100

72 23.1 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: 19.523 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004466.D

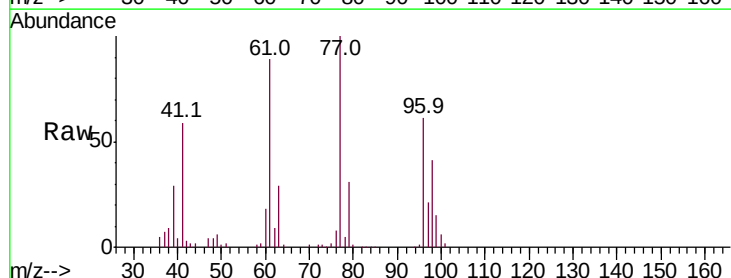
Acq: 11 Sep 2018 13:27

Tgt Ion: 77 Resp: 81871

Ion Ratio Lower Upper

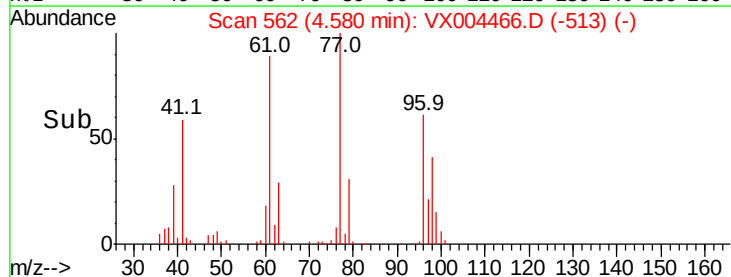
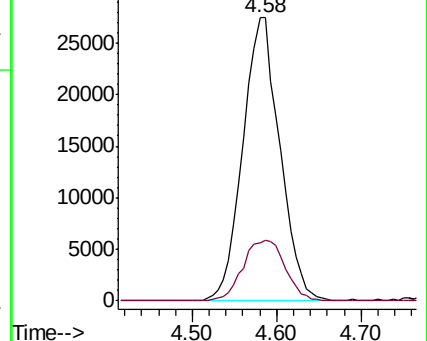
77 100

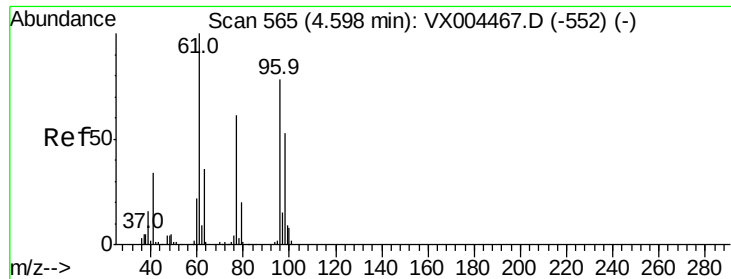
97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



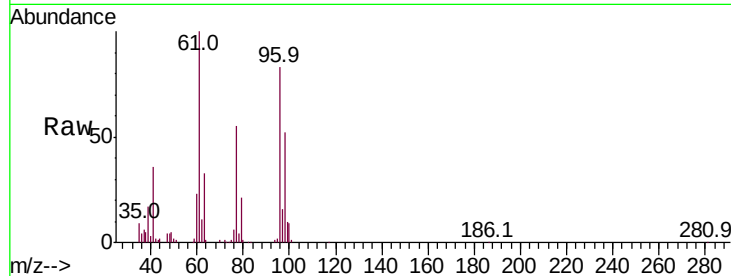


#27

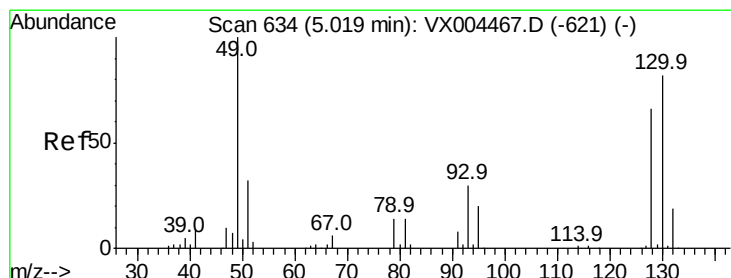
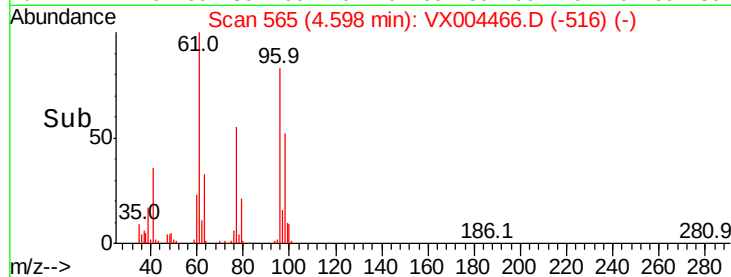
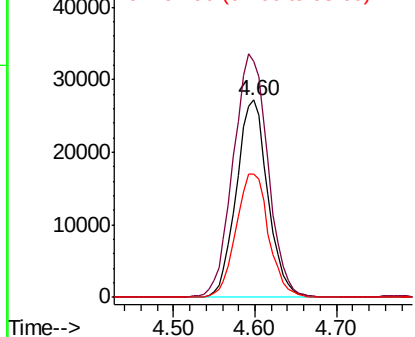
cis-1,2-Dichloroethene
 Concen: 20.190 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 72738
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 282.6
 98 64.9 0.0 130.2



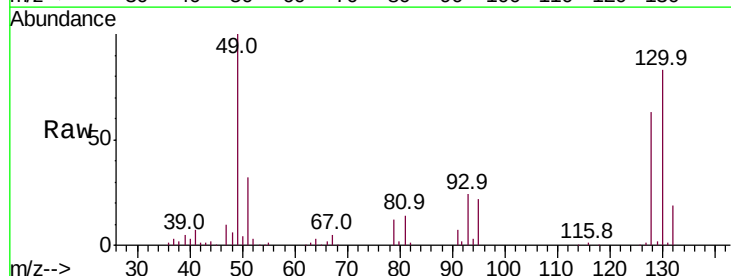
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



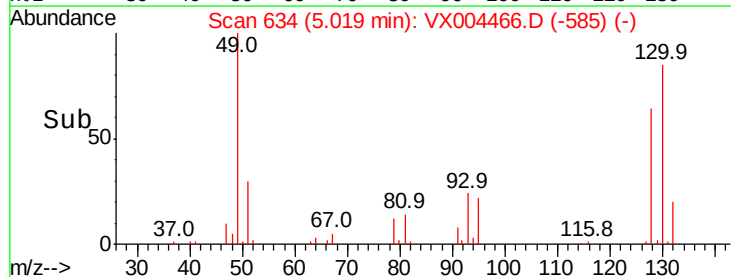
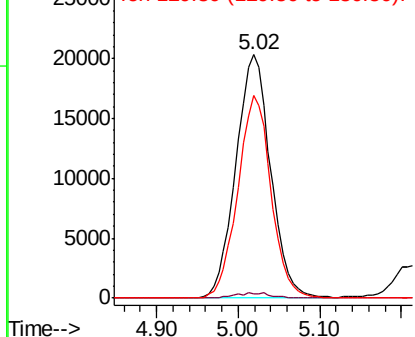
#28

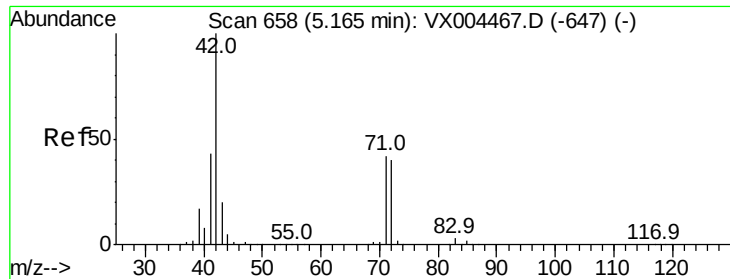
Bromochloromethane
 Concen: 21.500 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 49 Resp: 60045
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 79.8 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: 99.273 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

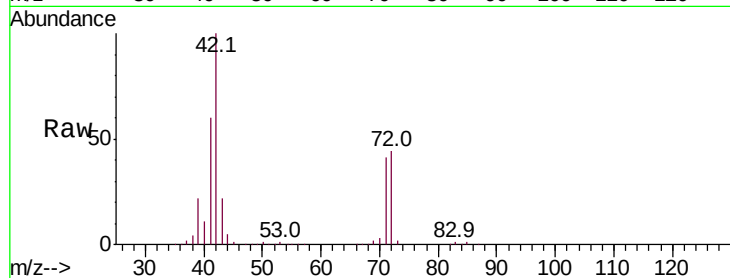
Tot Ion: 42 Resp: 167606

Ion Ratio Lower Upper

42 100

72 43.3 37.4 56.0

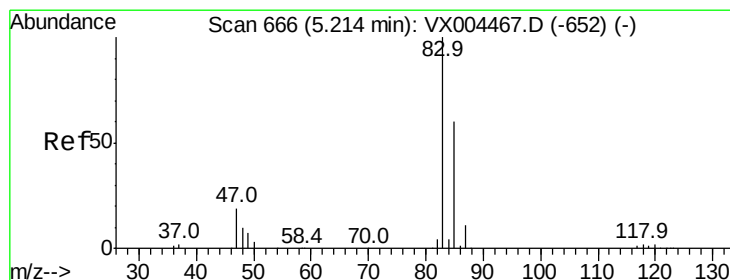
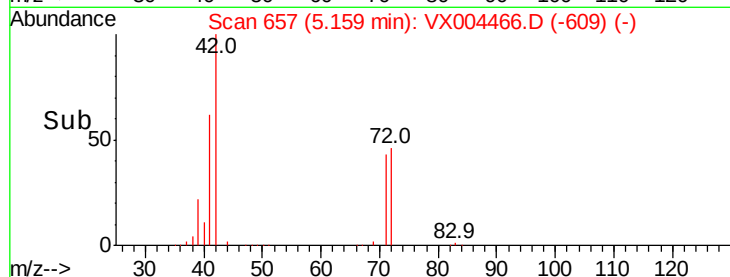
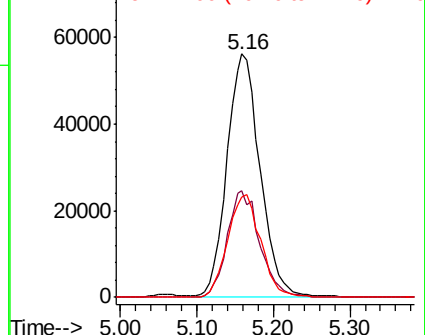
71 42.3 34.5 51.7



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: 20.054 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004466.D

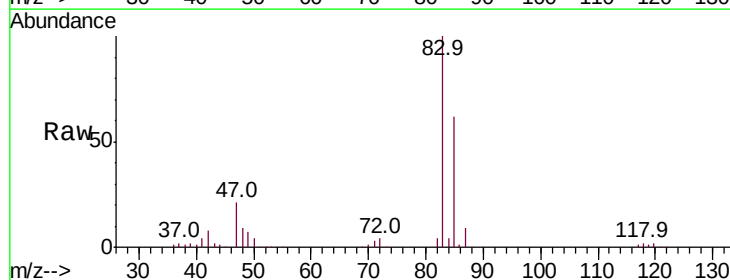
Acq: 11 Sep 2018 13:27

Tgt Ion: 83 Resp: 119537

Ion Ratio Lower Upper

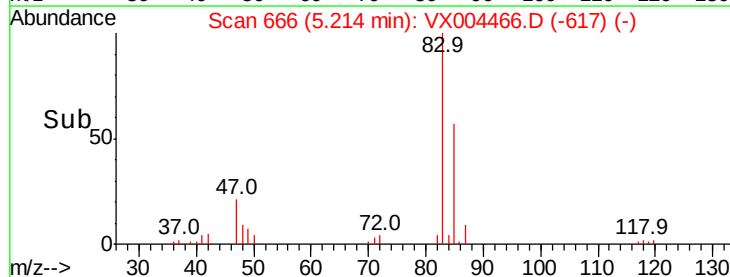
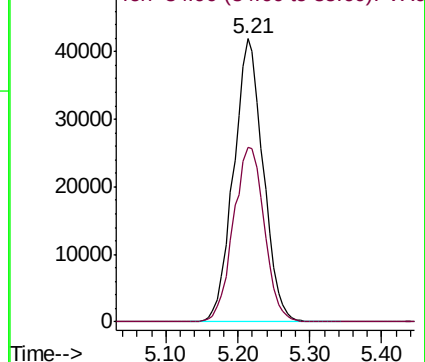
83 100

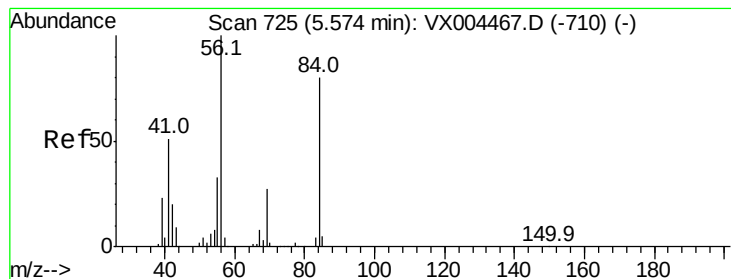
85 61.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 20.492 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

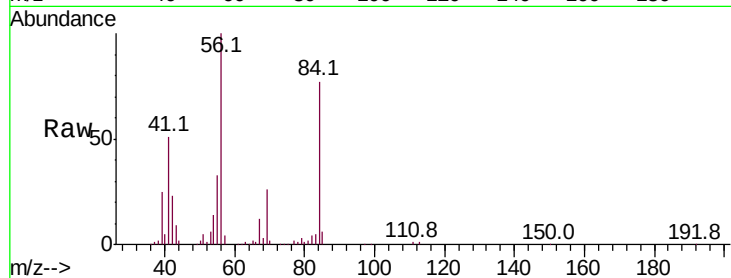
Tot Ion: 56 Resp: 106837

Ion Ratio Lower Upper

56 100

69 26.0 25.4 38.2

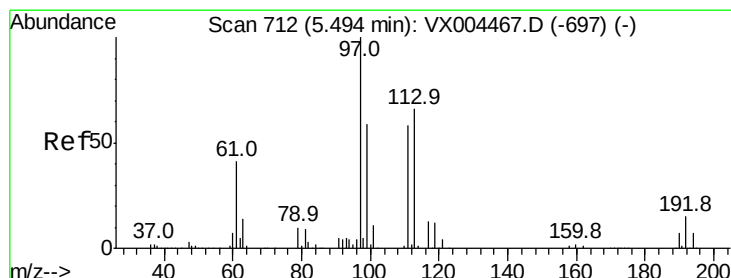
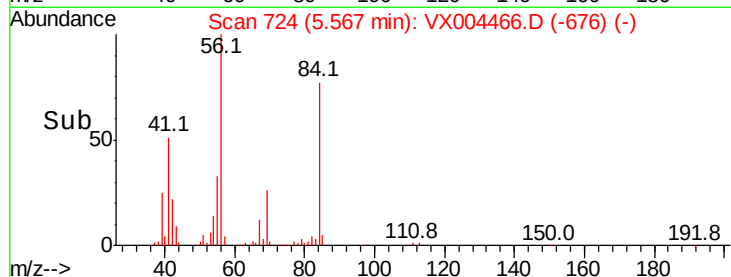
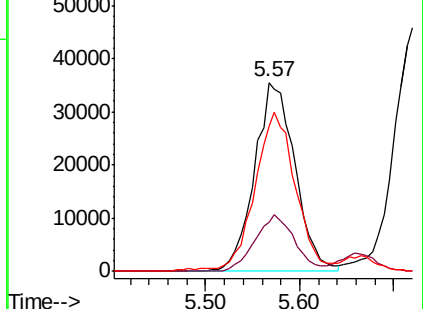
84 75.6 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.169 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

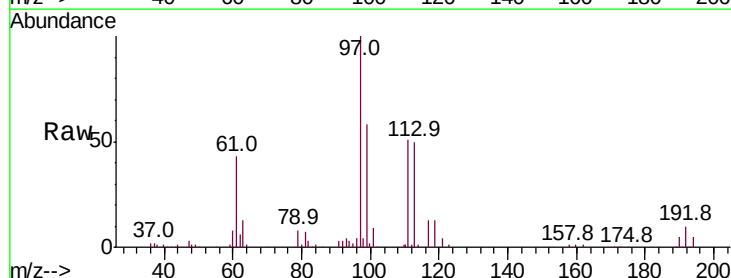
Tgt Ion: 97 Resp: 96832

Ion Ratio Lower Upper

97 100

99 63.0 52.0 78.0

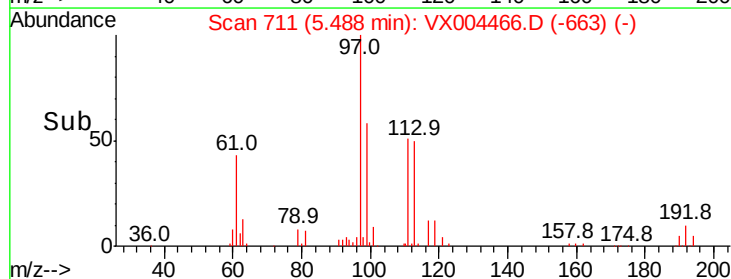
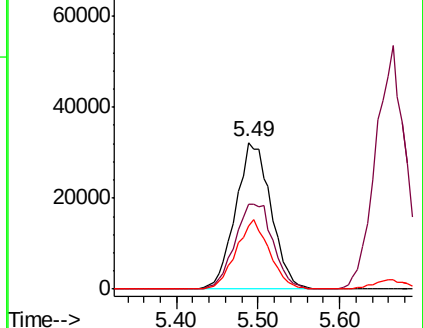
61 44.7 34.9 52.3

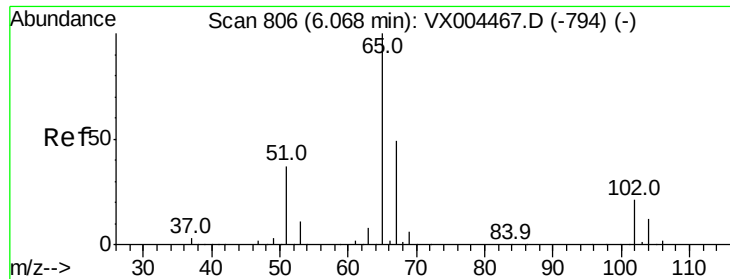


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 20.045 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

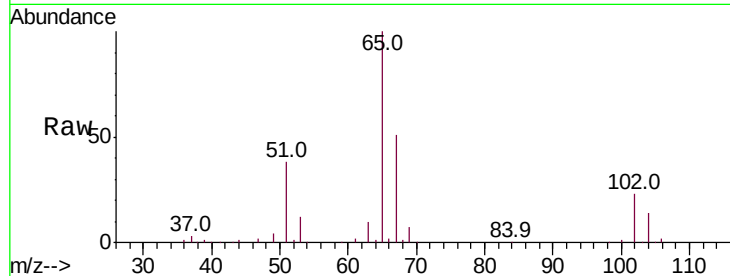
VSTDIC020

Tot Ion: 65 Resp: 72245

Ion Ratio Lower Upper

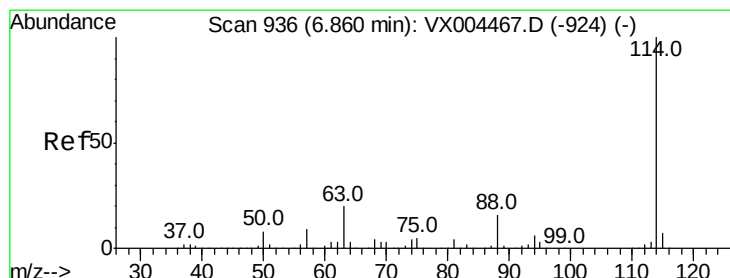
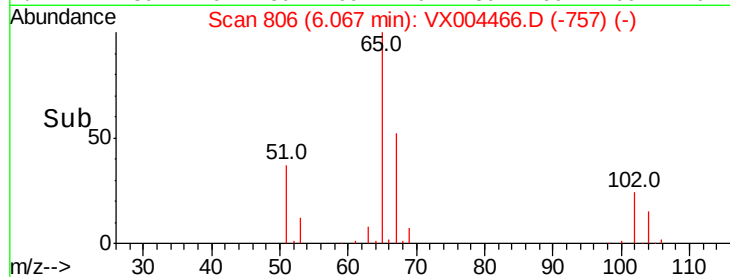
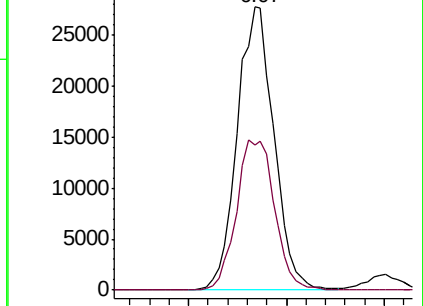
65 100

67 55.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

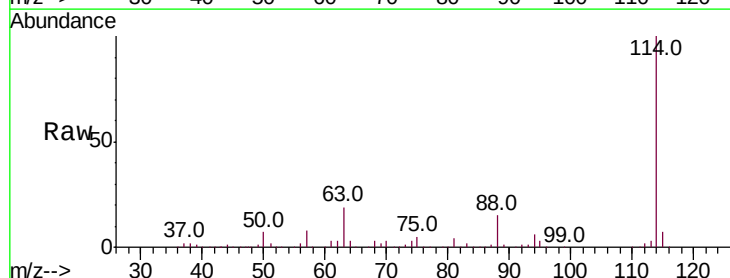
Tgt Ion: 114 Resp: 354004

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.0

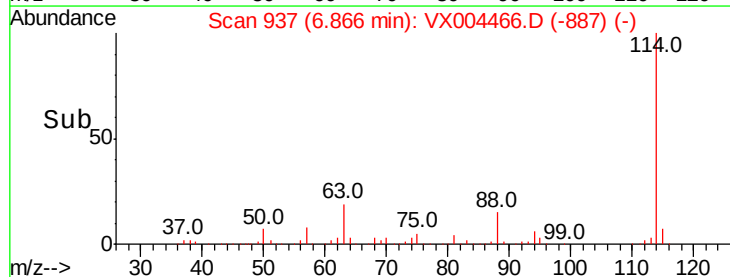
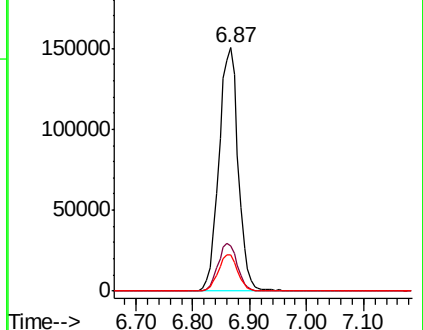
88 14.8 0.0 30.4

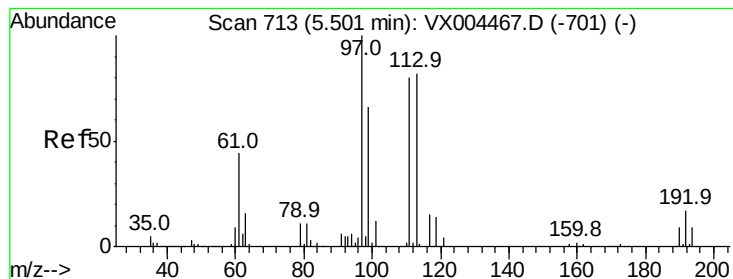


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 19.248 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

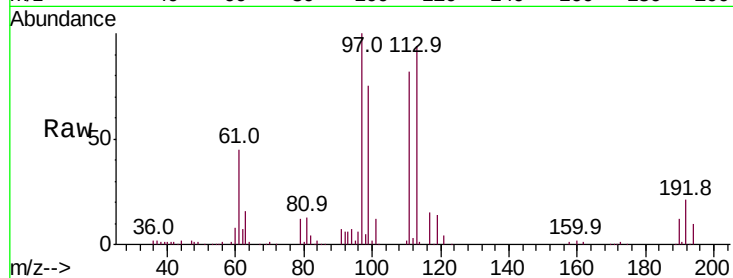
Tot Ion:113 Resp: 62354

Ion Ratio Lower Upper

113 100

111 96.7 82.4 123.6

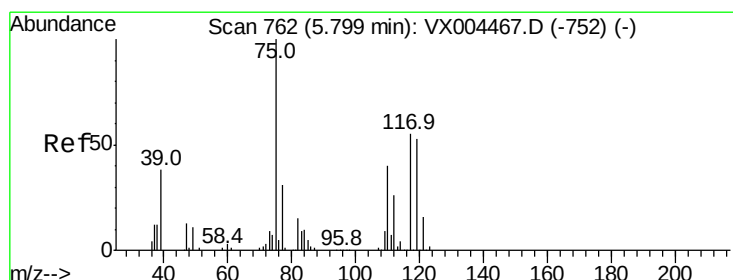
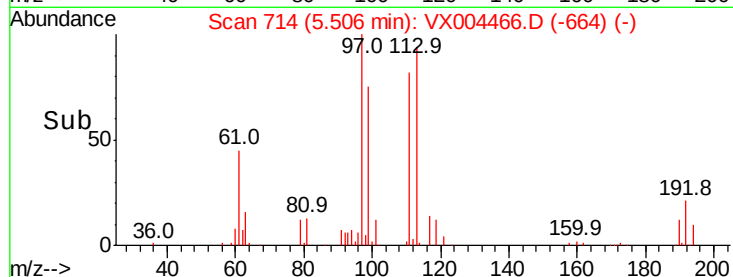
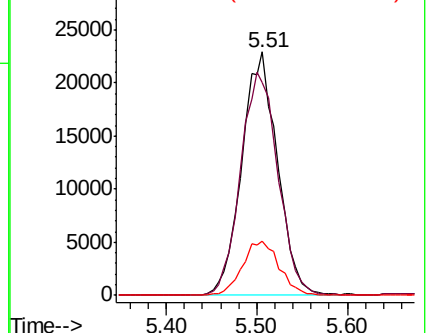
192 22.8 19.4 29.2



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: 20.280 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

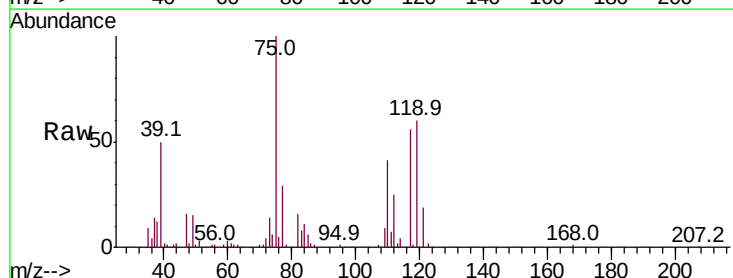
Tgt Ion: 75 Resp: 87159

Ion Ratio Lower Upper

75 100

110 37.0 18.0 54.0

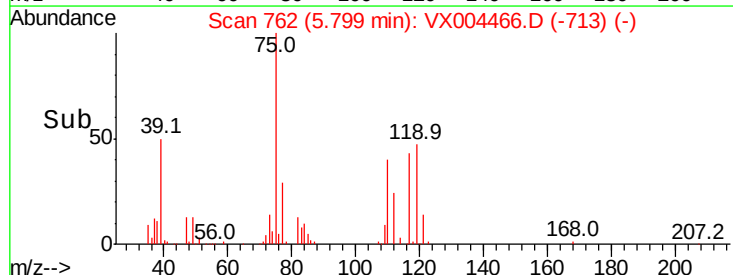
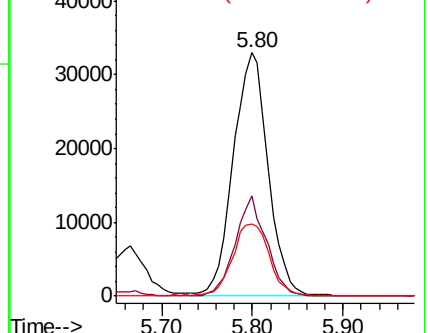
77 31.8 24.6 36.8

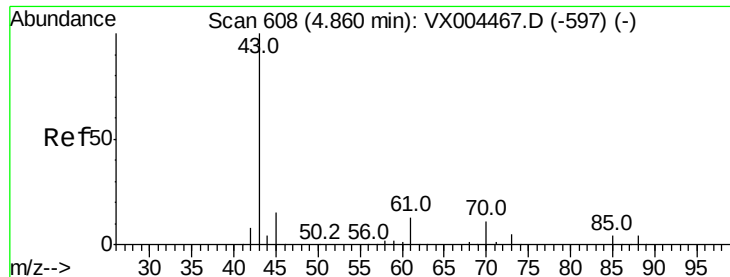


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.788 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

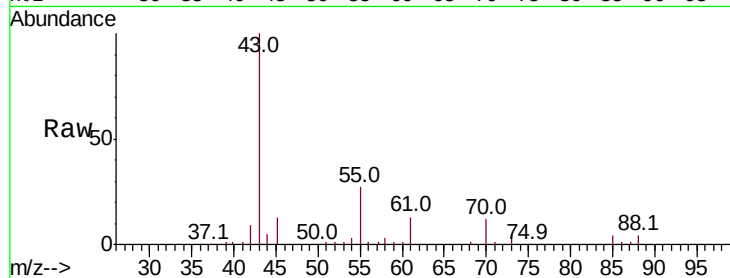
Tot Ion: 43 Resp: 96724

Ion Ratio Lower Upper

43 100

61 14.2 11.5 17.3

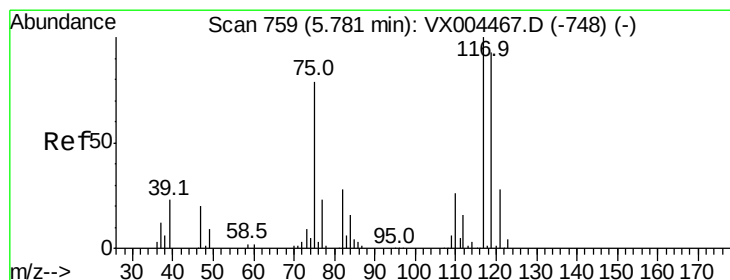
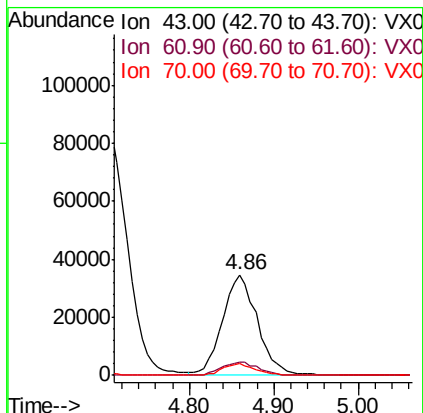
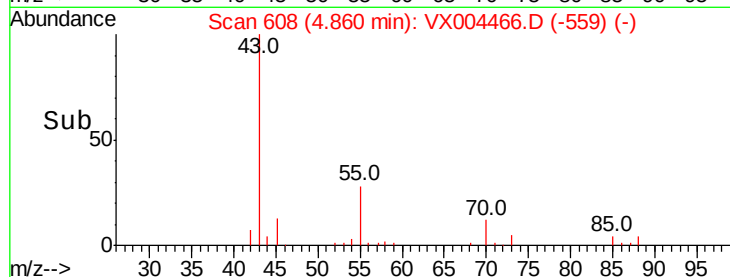
70 11.3 9.0 13.6



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: 20.135 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

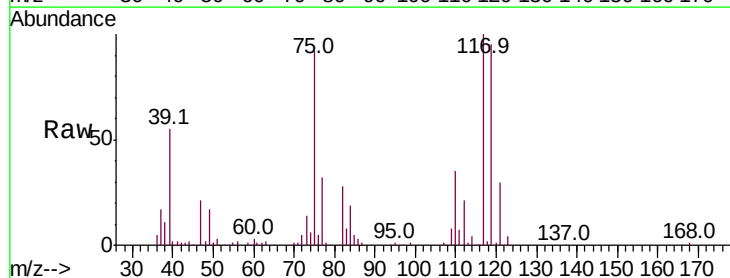
Tgt Ion: 117 Resp: 84522

Ion Ratio Lower Upper

117 100

119 95.3 78.8 118.2

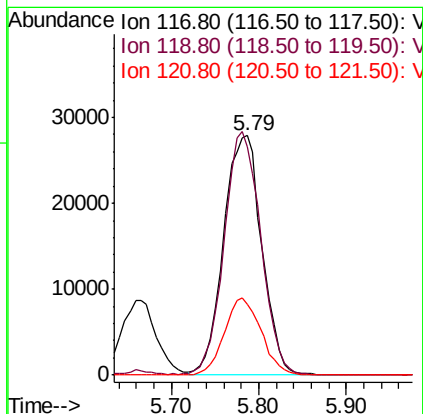
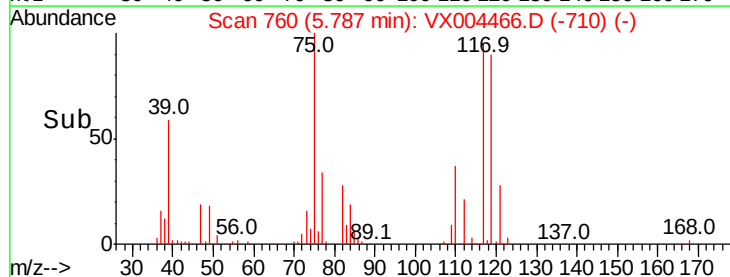
121 29.7 24.9 37.3

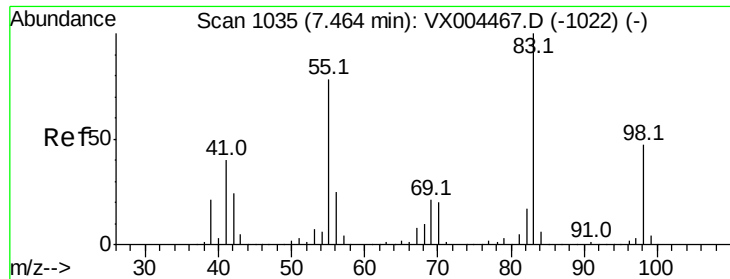


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

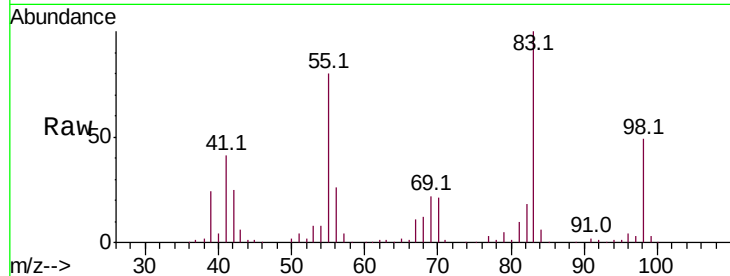




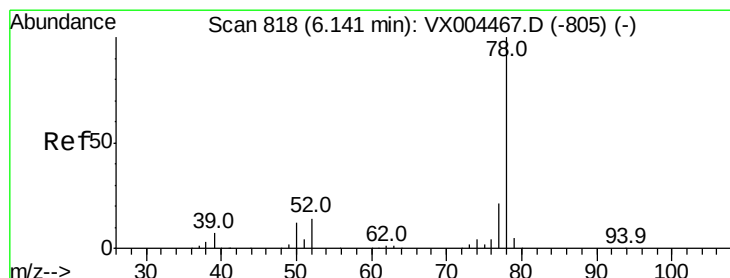
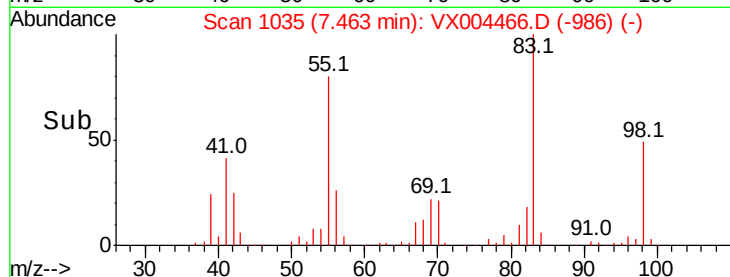
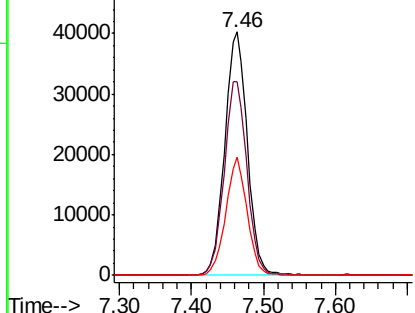
#39
Methylvlcyclohexane
Concen: 19.652 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 88138
Ion Ratio Lower Upper
83 100
55 79.7 61.0 91.4
98 48.5 39.6 59.4

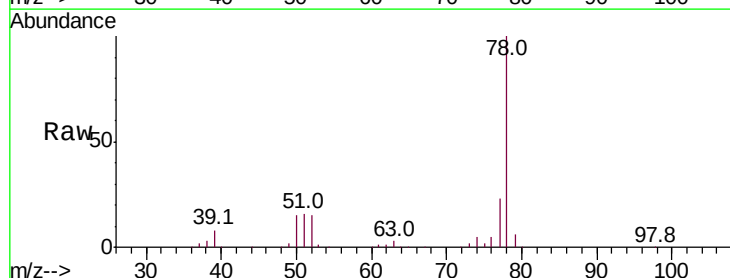


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

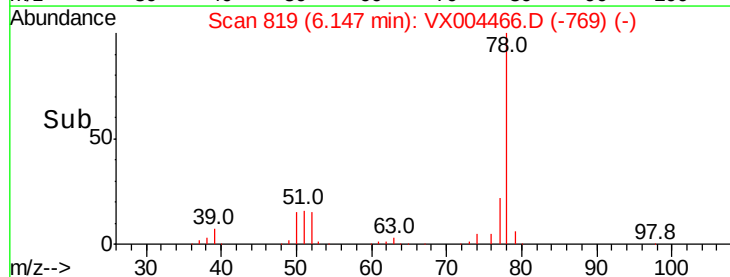
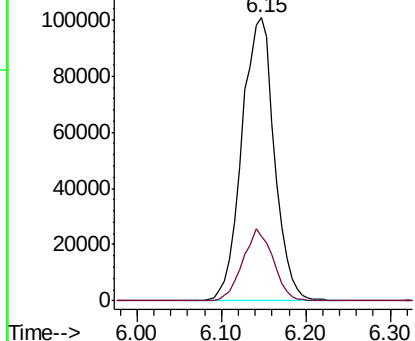


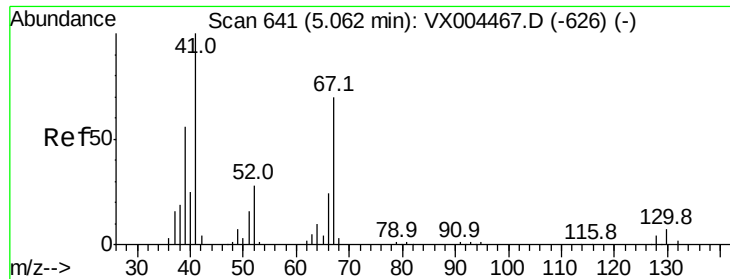
#40
Benzene
Concen: 20.619 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 78 Resp: 262932
Ion Ratio Lower Upper
78 100
77 22.7 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: 19.875 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 41 Resp: 53527

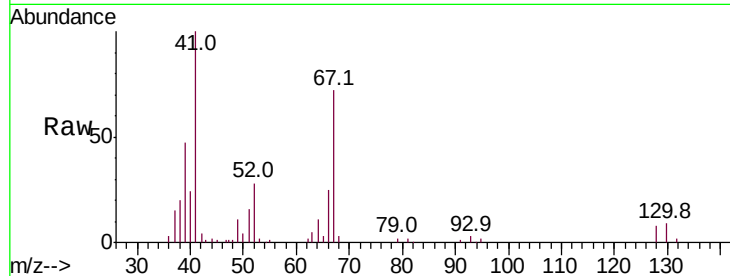
Ion Ratio Lower Upper

41 100

39 54.2 42.4 63.6

67 73.3 59.2 88.8

52 29.4 23.0 34.4

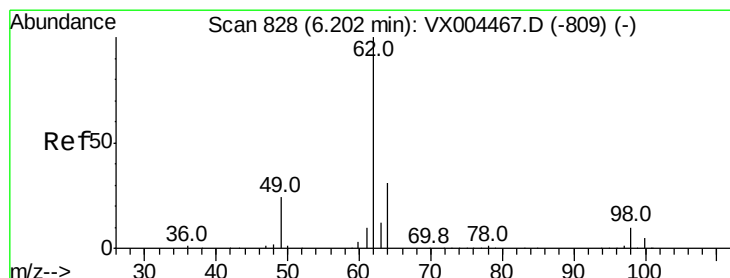
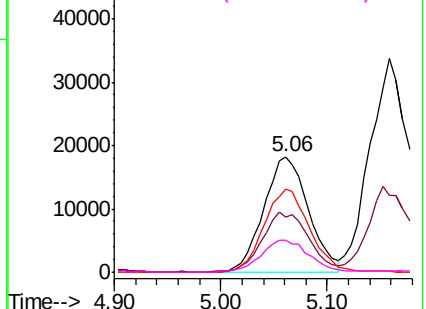
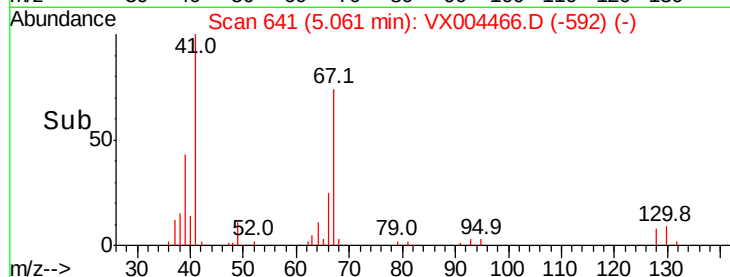


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.200 ug/l

RT: 6.20 min Scan# 828

Delta R.T. -0.00 min

Lab File: VX004466.D

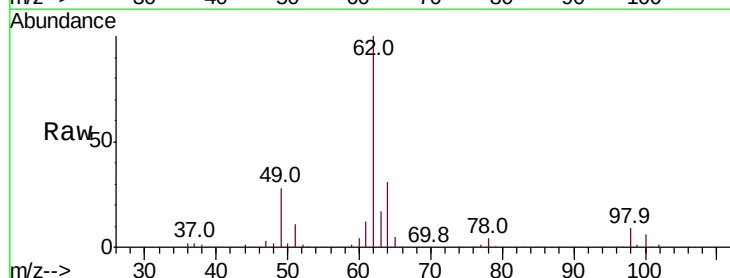
Acq: 11 Sep 2018 13:27

Tgt Ion: 62 Resp: 85433

Ion Ratio Lower Upper

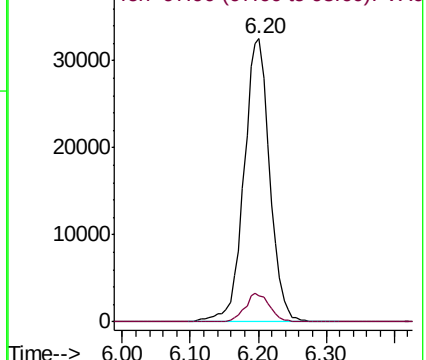
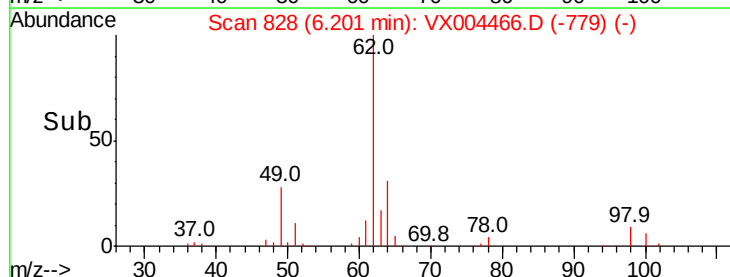
62 100

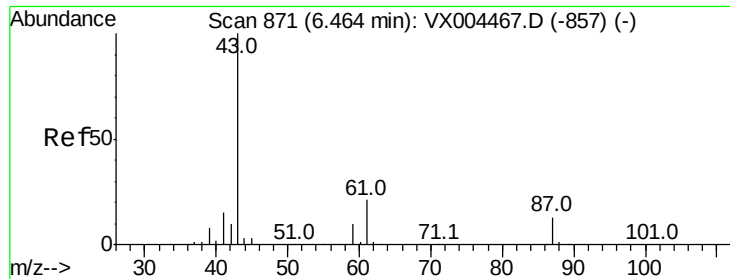
98 9.8 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.148 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

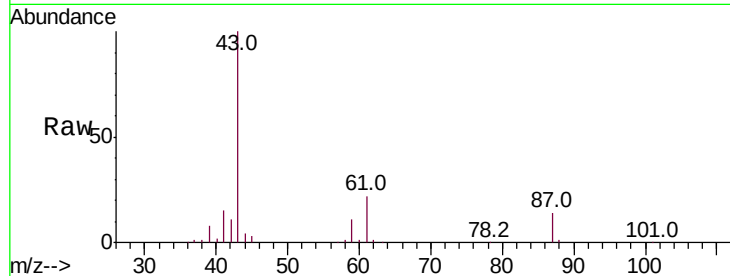
Tot Ion: 43 Resp: 124314

Ion Ratio Lower Upper

43 100

61 20.5 17.0 25.4

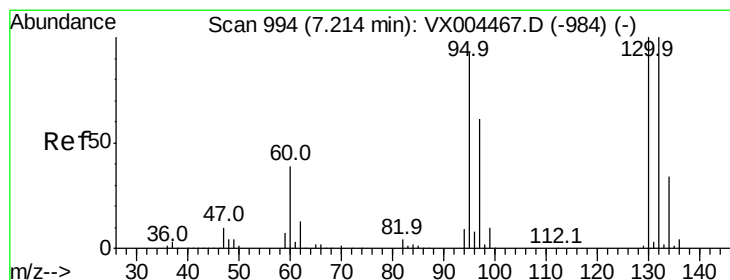
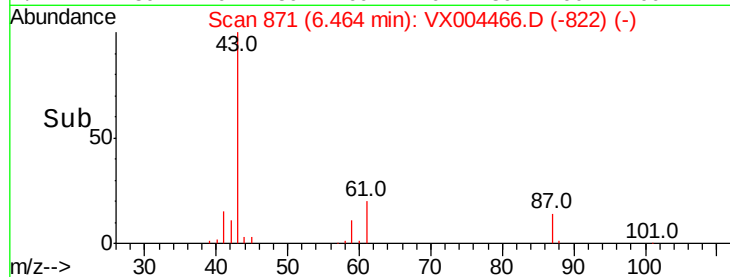
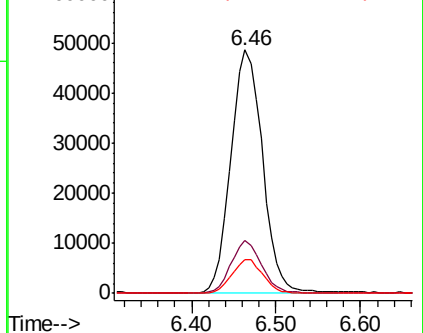
87 13.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.837 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004466.D

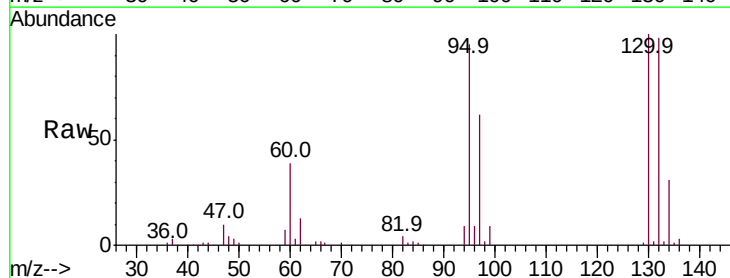
Acq: 11 Sep 2018 13:27

Tgt Ion: 130 Resp: 65719

Ion Ratio Lower Upper

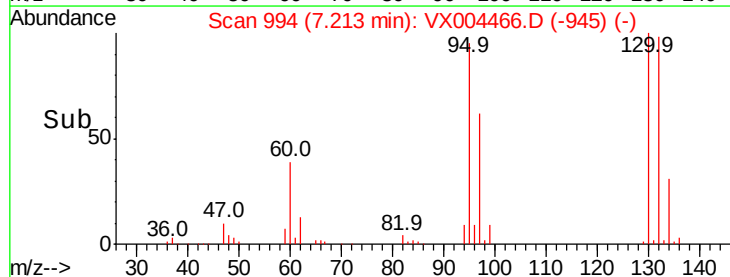
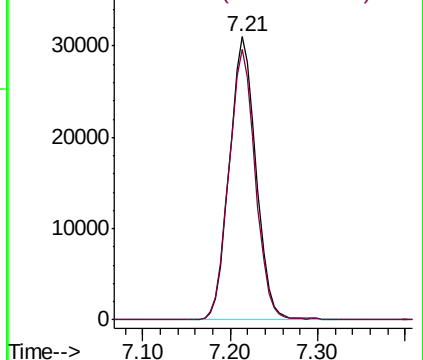
130 100

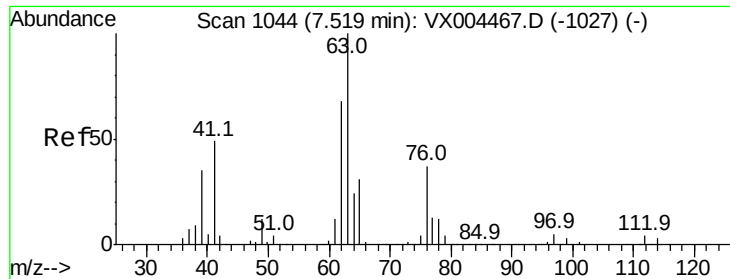
95 95.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

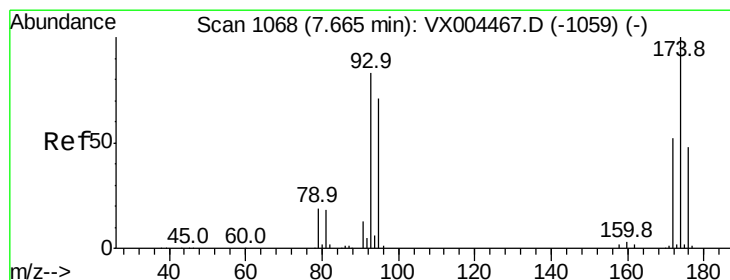
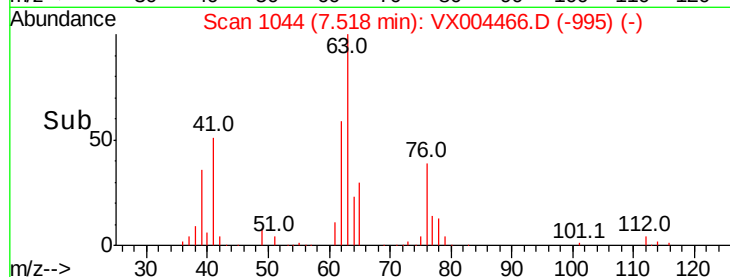
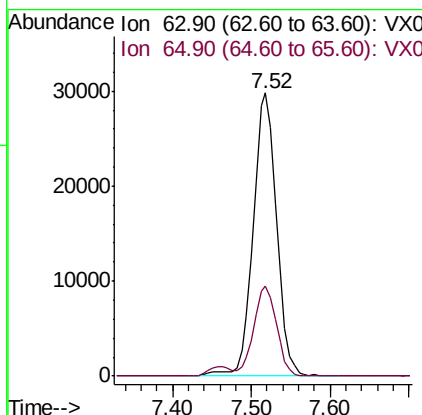
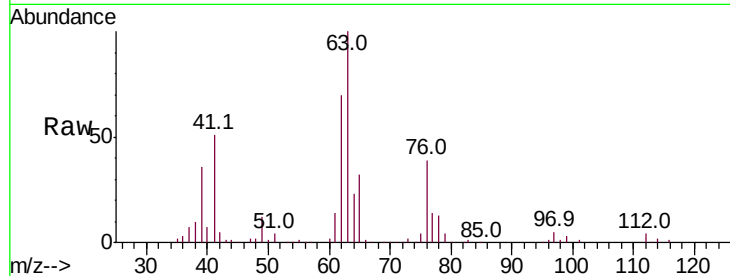




#45
 1,2-Dichloropropane
 Concen: 20.041 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

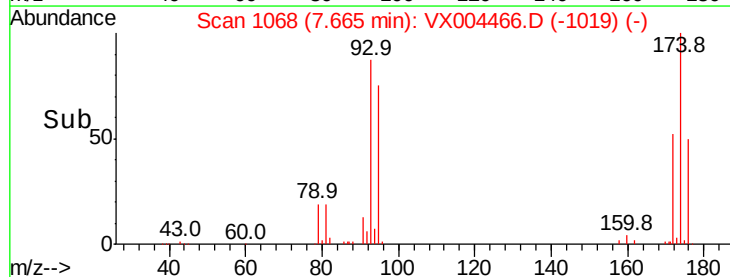
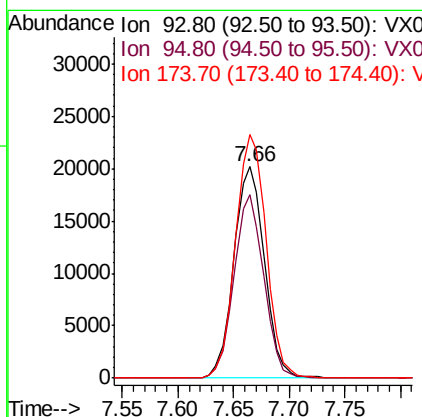
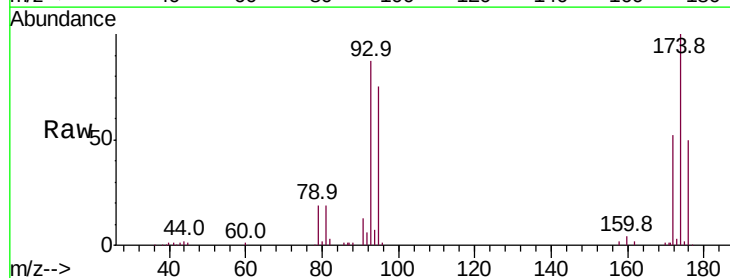
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

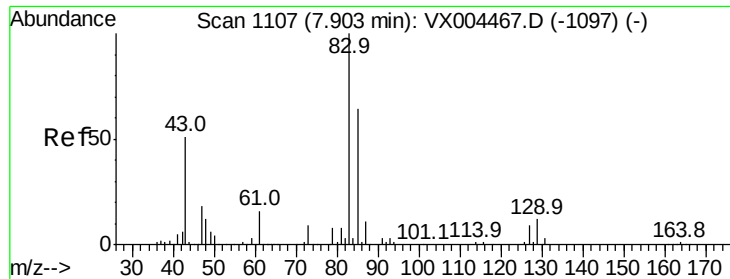
Tot Ion: 63 Resp: 61495
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5



#46
 Dibromomethane
 Concen: 19.825 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 93 Resp: 38429
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.5 98.3
 174 115.4 94.2 141.4





#47

Bromodichloromethane

Concen: 19.871 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

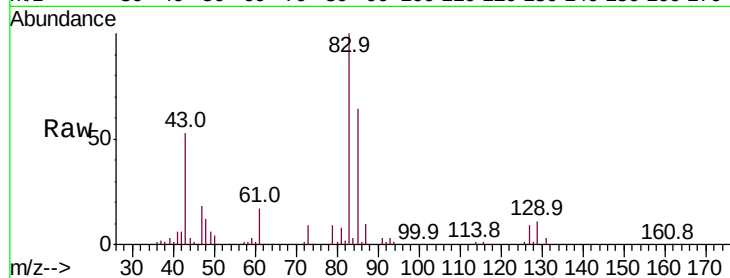
Tot Ion: 83 Resp: 72843

Ion Ratio Lower Upper

83 100

85 64.3 50.9 76.3

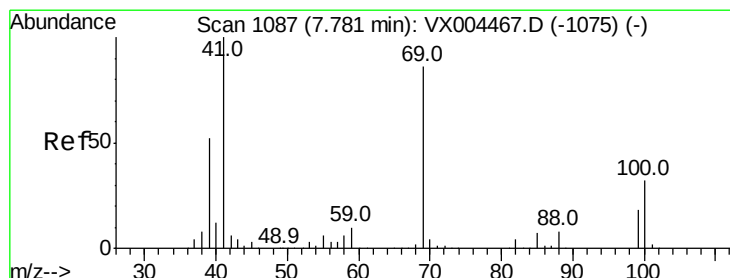
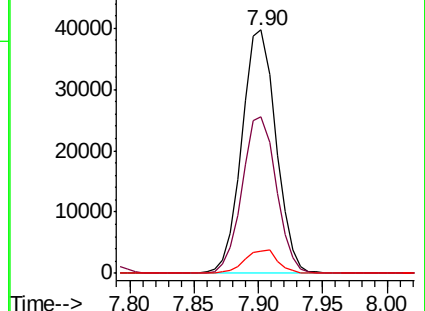
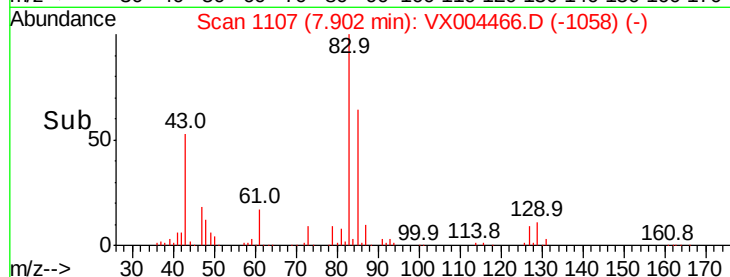
127 9.3 7.3 10.9



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: 20.003 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

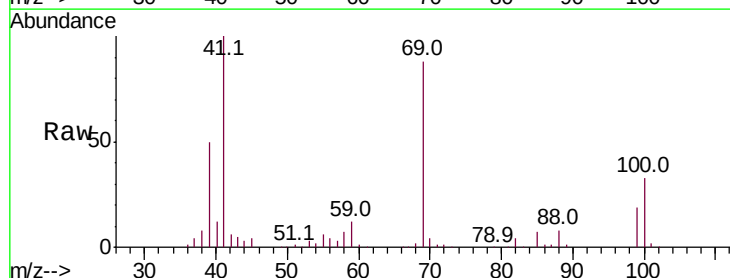
Tgt Ion: 41 Resp: 64269

Ion Ratio Lower Upper

41 100

69 85.6 70.2 105.4

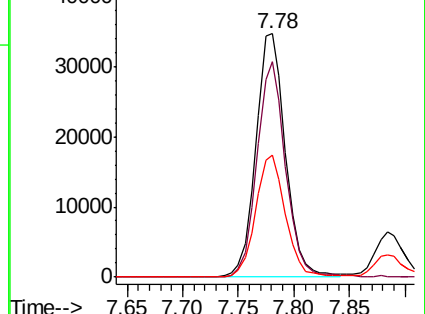
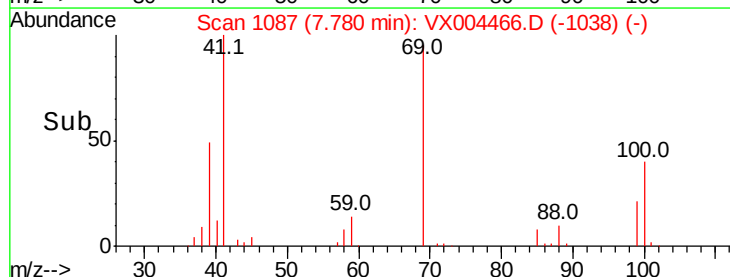
39 49.9 42.7 64.1

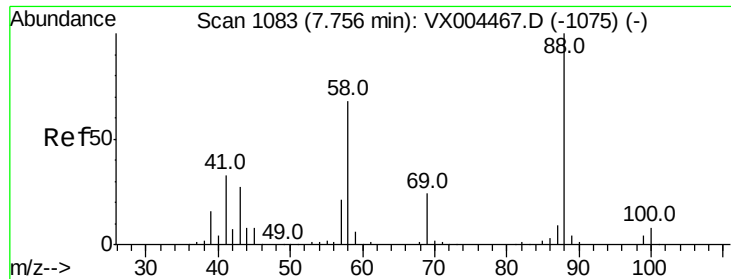


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

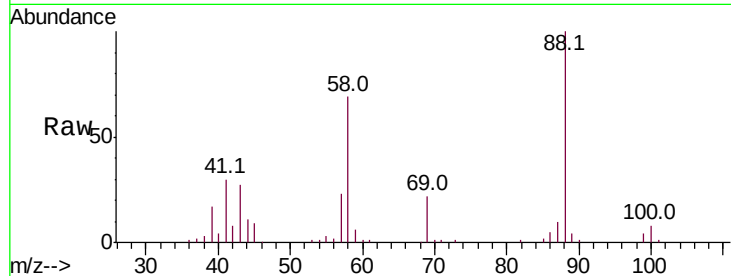




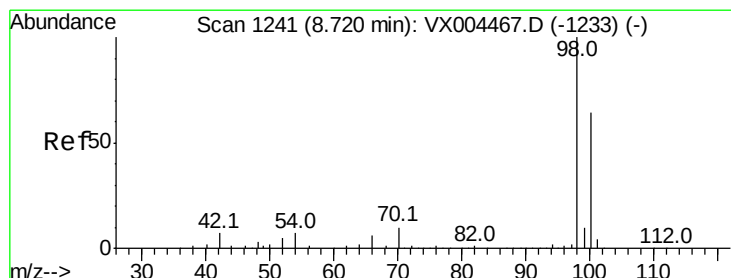
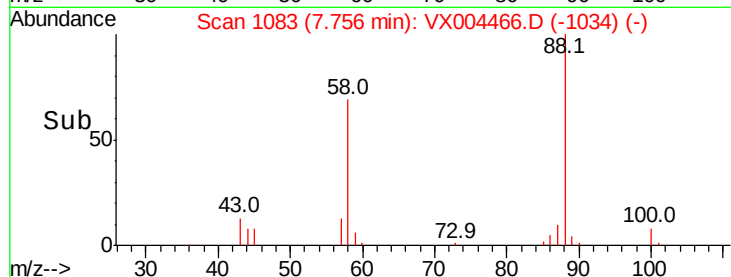
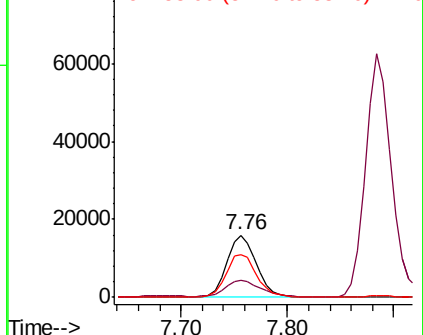
#49
1,4-Dioxane
Concen: 406.976 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 30949
Ion Ratio Lower Upper
88 100
43 31.3 24.7 37.1
58 72.0 55.3 82.9

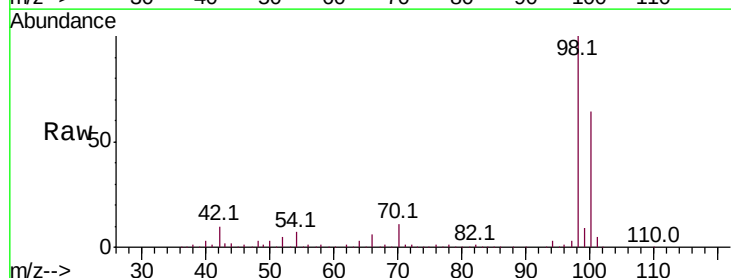


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

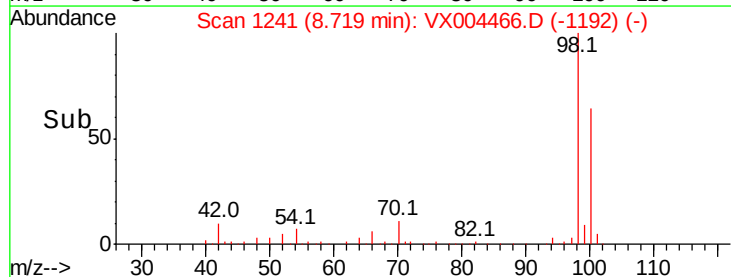
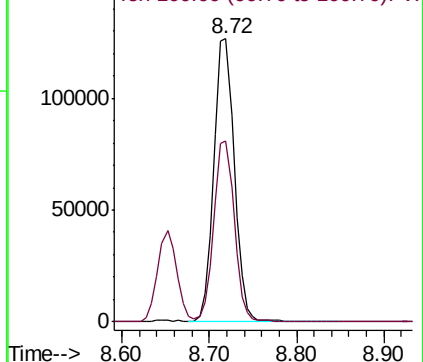


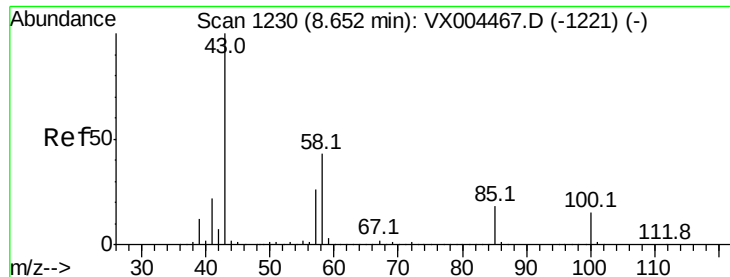
#50
Toluene-d8
Concen: 18.934 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 98 Resp: 205693
Ion Ratio Lower Upper
98 100
100 64.8 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: 93.810 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

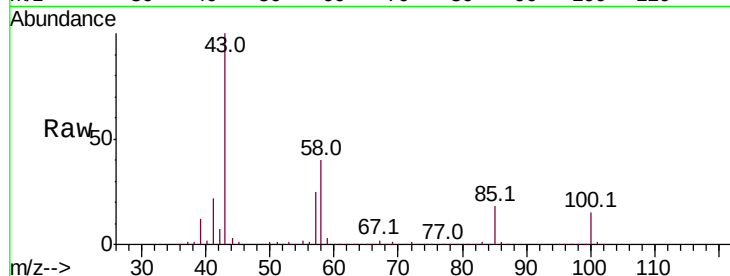
VSTDIC020

Tot Ion: 43 Resp: 429804

Ion Ratio Lower Upper

43 100

58 39.0 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

250000

200000

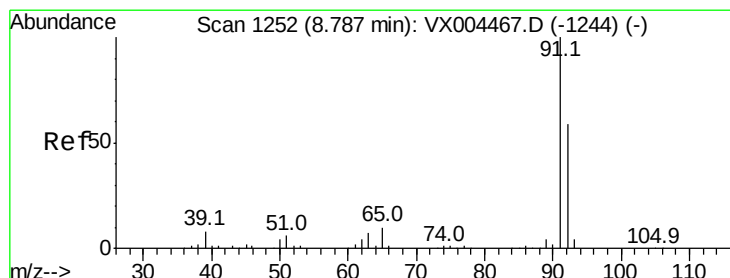
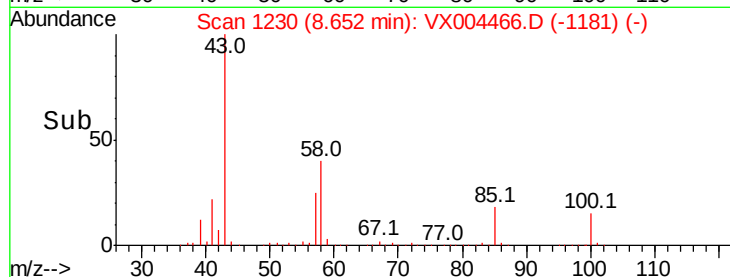
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.968 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004466.D

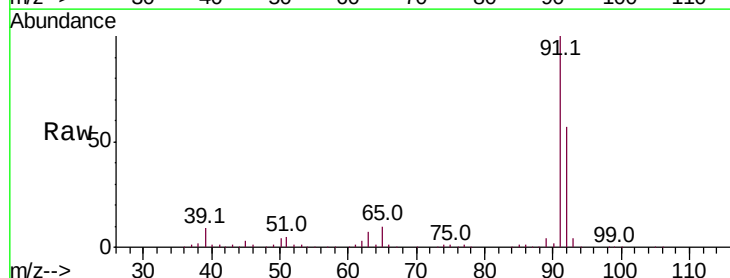
Acq: 11 Sep 2018 13:27

Tgt Ion: 92 Resp: 157532

Ion Ratio Lower Upper

92 100

91 179.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

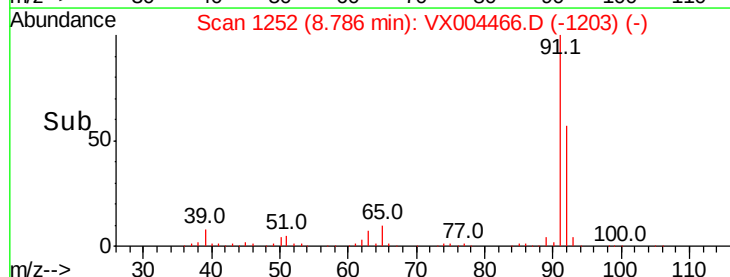
150000

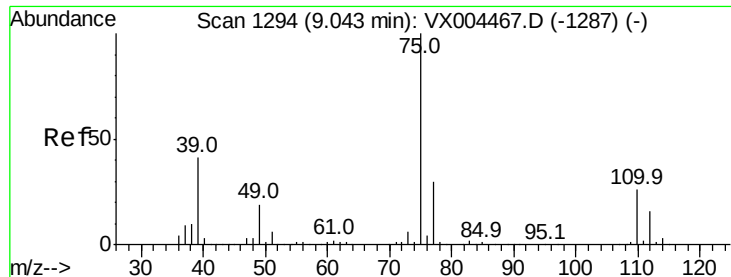
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.782 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

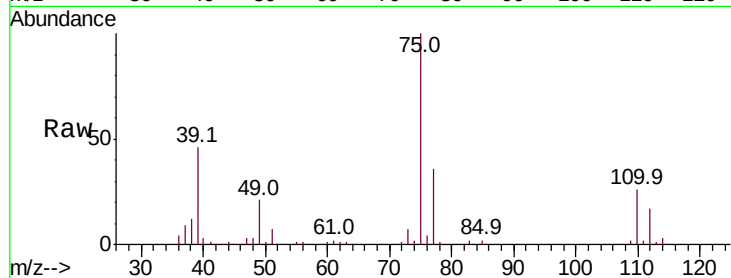
VSTDIC020

Tot Ion: 75 Resp: 84710

Ion Ratio Lower Upper

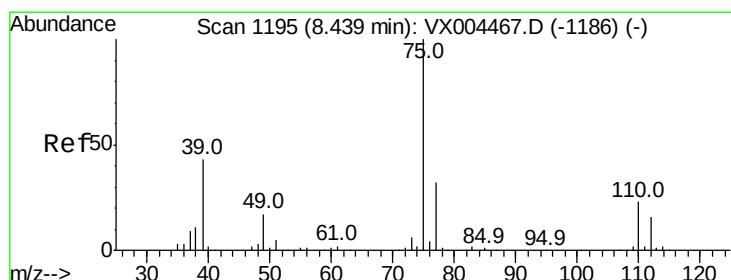
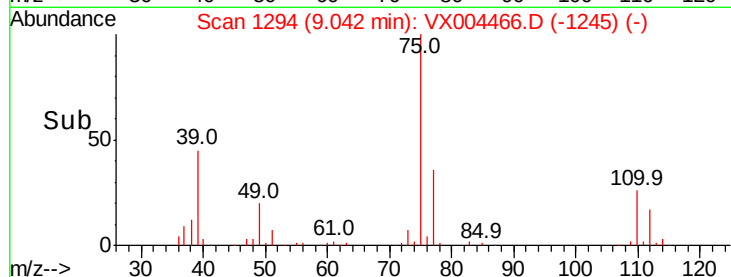
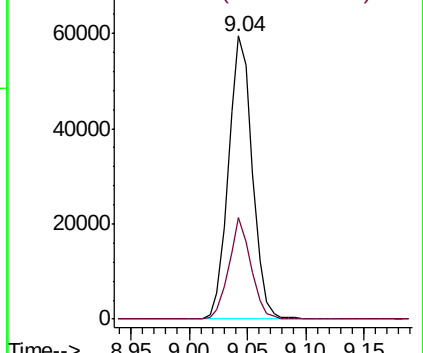
75 100

77 36.0 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: 19.921 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

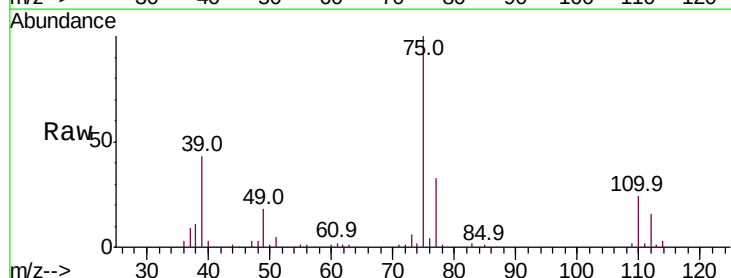
Tgt Ion: 75 Resp: 86962

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

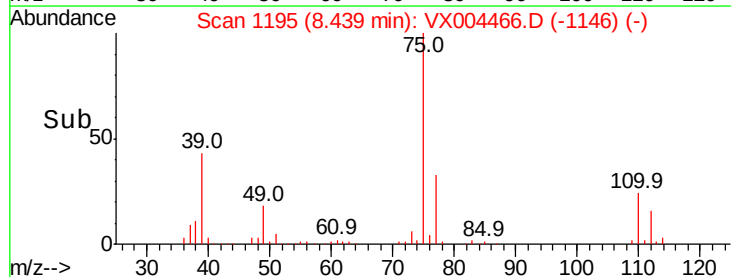
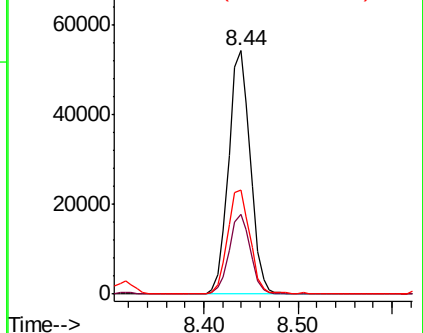
39 42.9 36.4 54.6

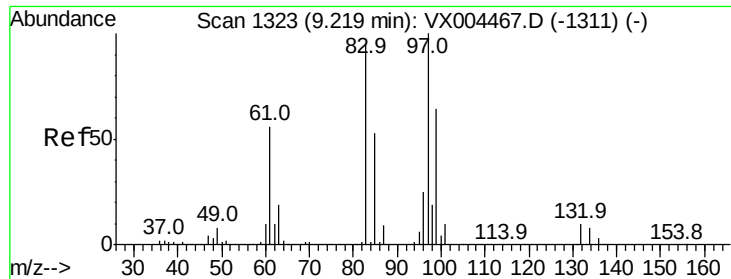


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.396 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 65980

Ion	Ratio	Lower	Upper
97	100		
83	92.3	66.4	99.6
85	52.7	43.3	64.9
99	62.4	49.0	73.4

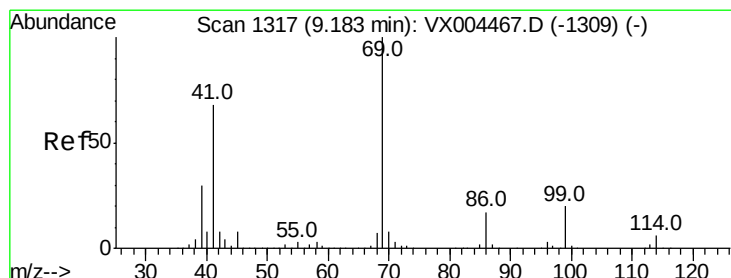
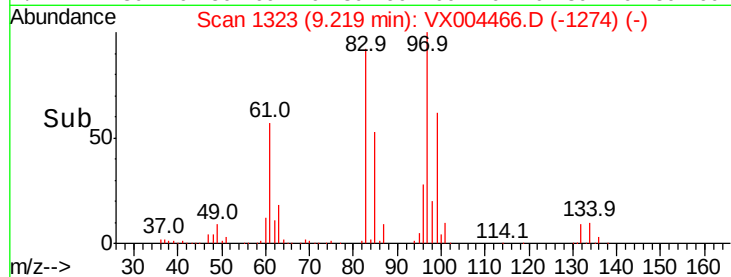
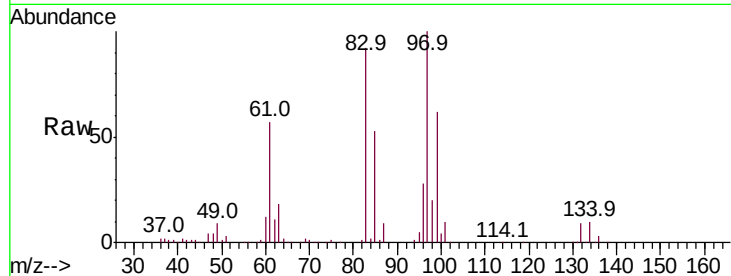
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

Time-->



#56

Ethyl methacrylate

Concen: 20.293 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion: 69 Resp: 92870

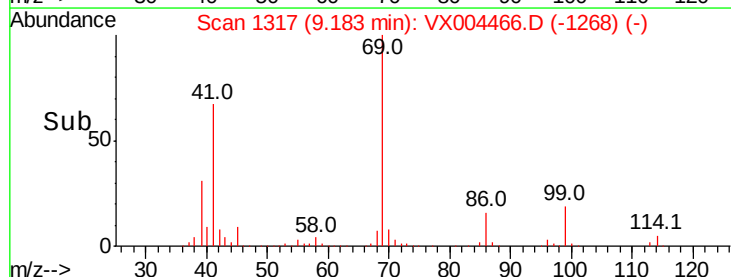
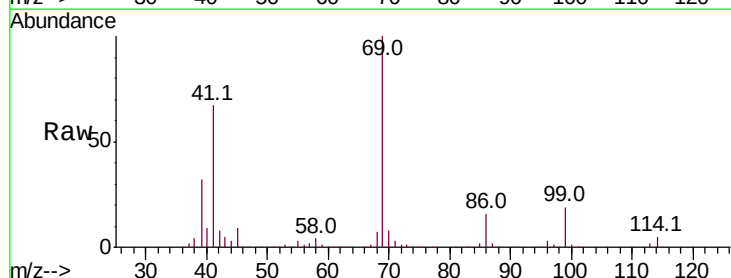
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	31.5	26.1	39.1

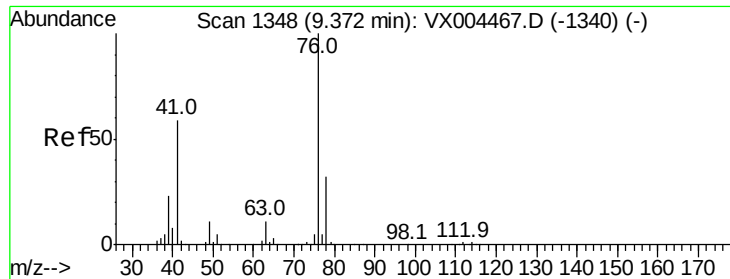
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->





#57

1,3-Dichloropropane

Concen: 19.917 ug/l

RT: 9.38 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

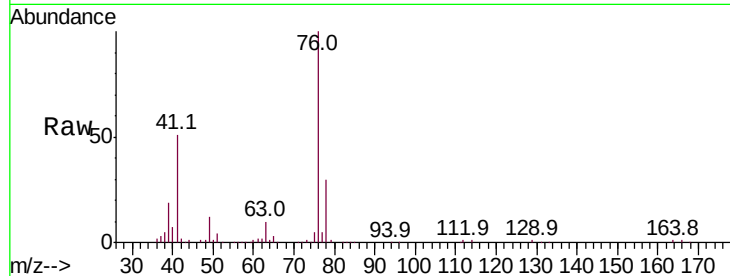
VSTDIC020

Tot Ion: 76 Resp: 104688

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

80000

60000

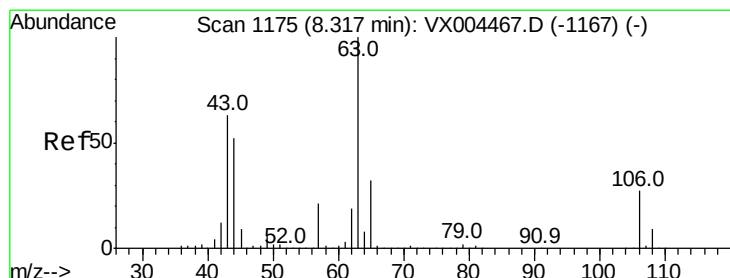
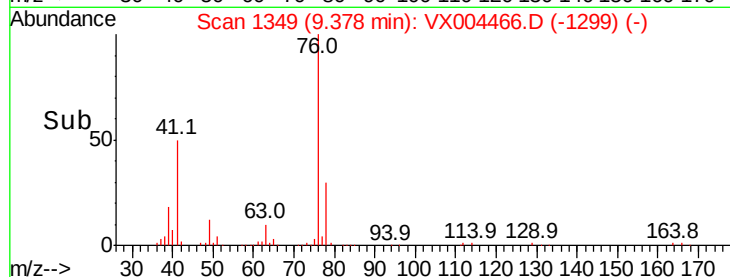
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.736 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX004466.D

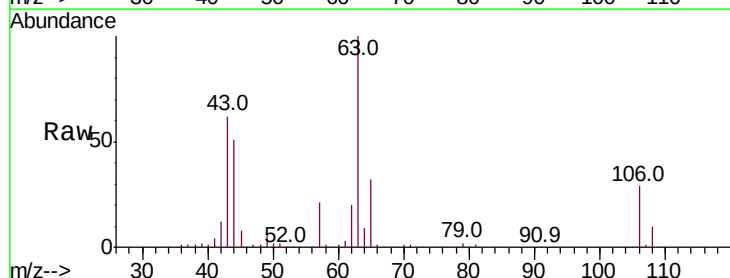
Acq: 11 Sep 2018 13:27

Tgt Ion: 63 Resp: 213593

Ion Ratio Lower Upper

63 100

106 27.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

150000

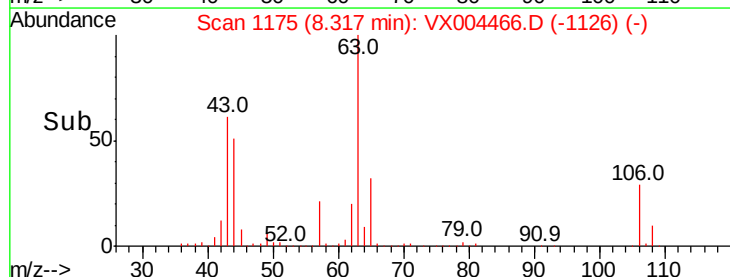
100000

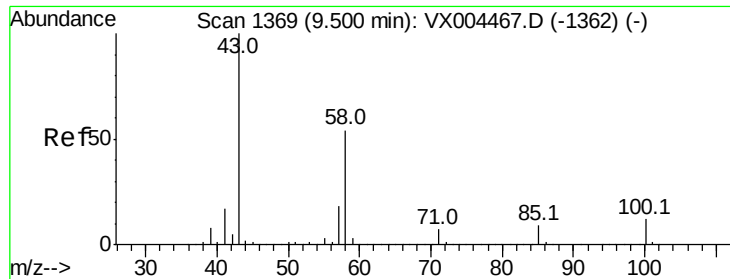
50000

0

8.20 8.30 8.40

Time-->

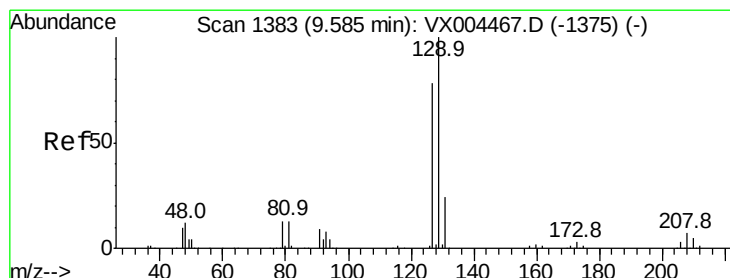
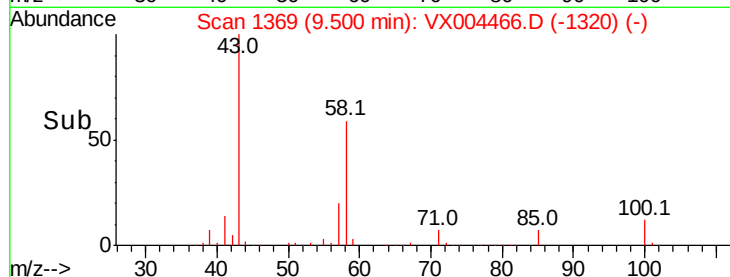
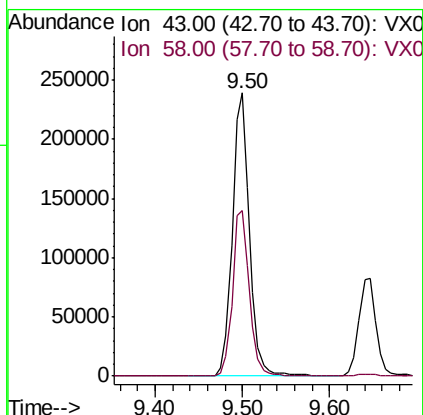
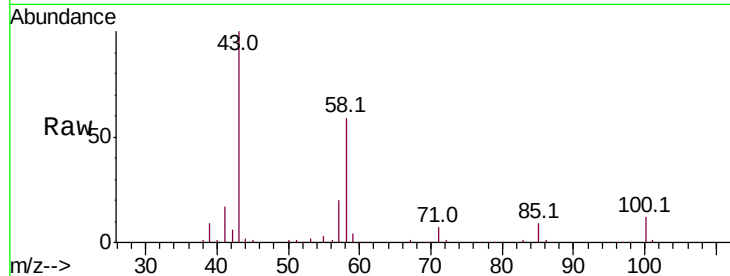




#59
2-Hexanone
Concen: 92.825 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

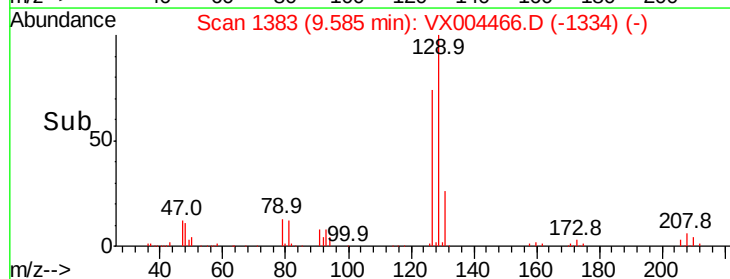
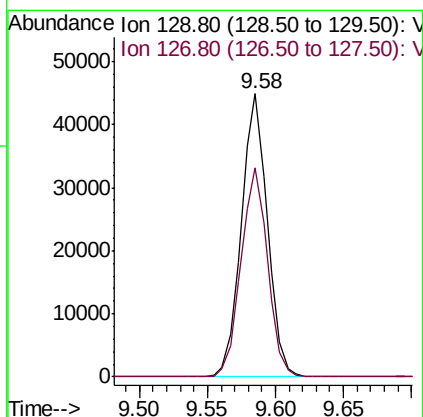
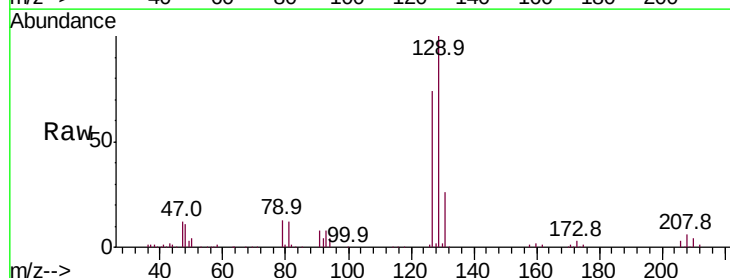
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

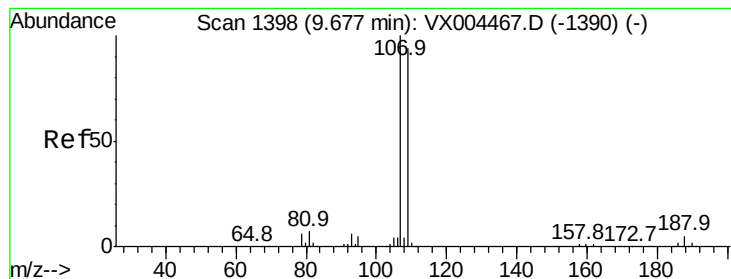
Tot Ion: 43 Resp: 326214
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0



#60
Dibromochloromethane
Concen: 19.711 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 129 Resp: 60031
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.581 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

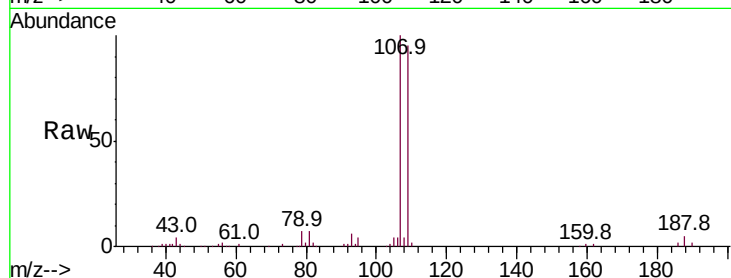
VSTDIC020

Tot Ion:107 Resp: 60512

Ion Ratio Lower Upper

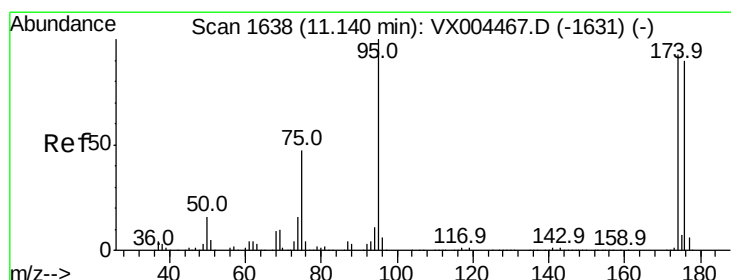
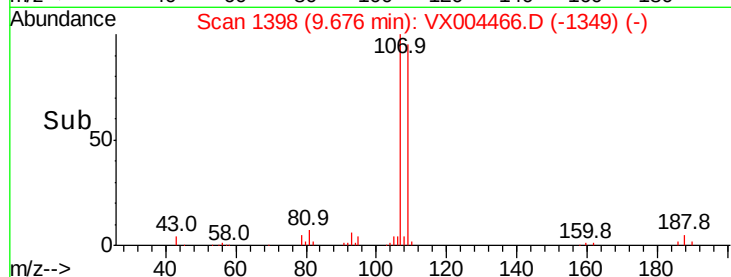
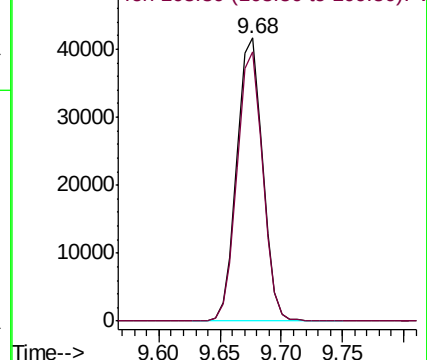
107 100

109 94.8 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.364 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

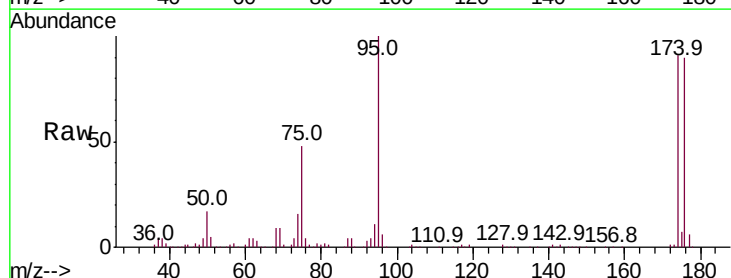
Tgt Ion: 95 Resp: 71213

Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.2

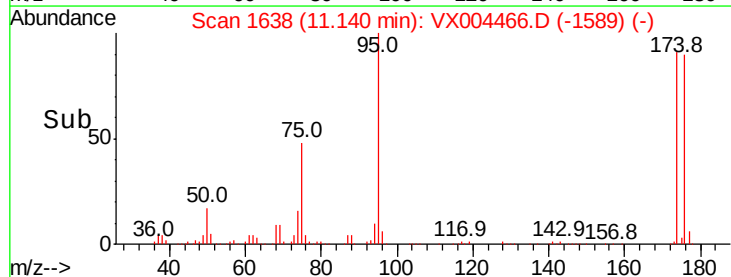
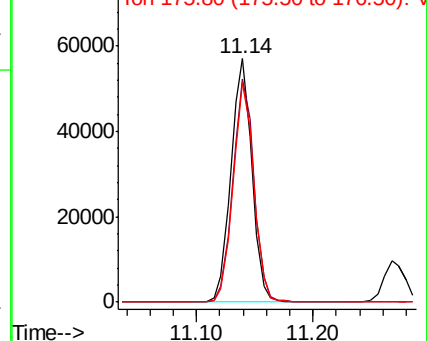
176 89.3 0.0 178.6

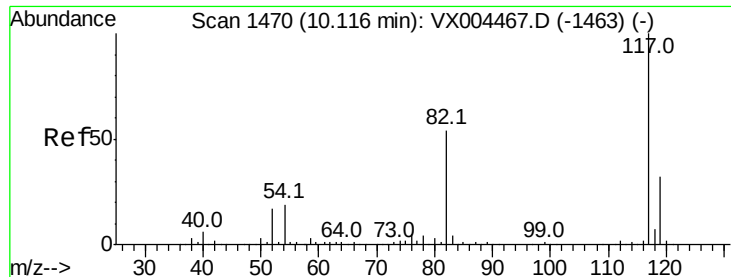


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

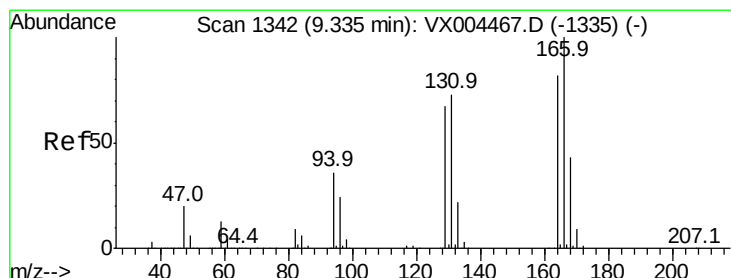
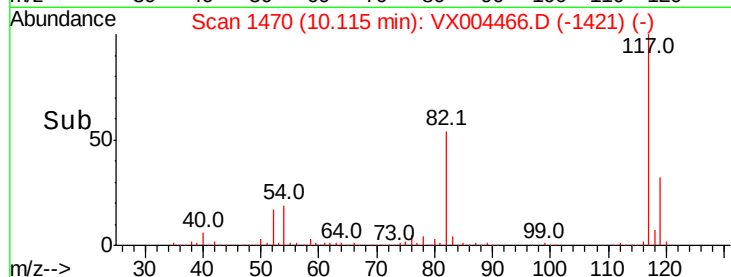
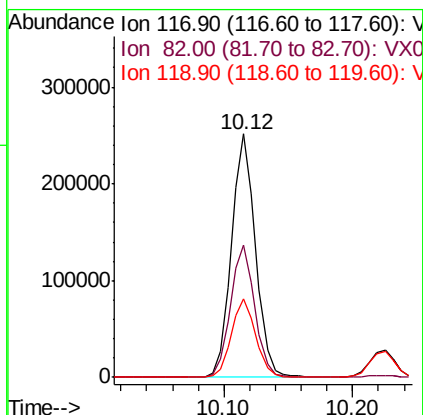
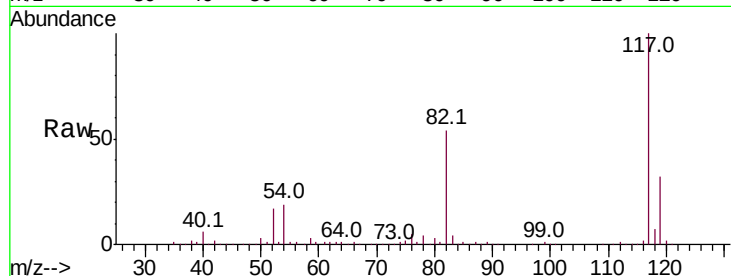




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

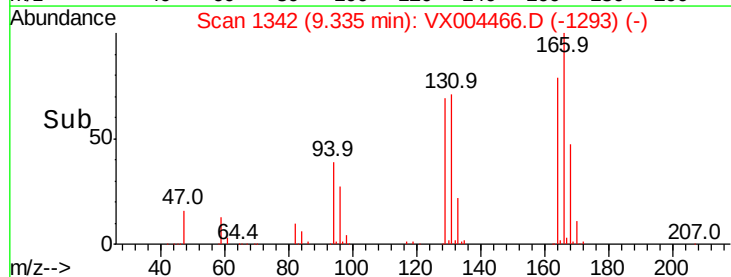
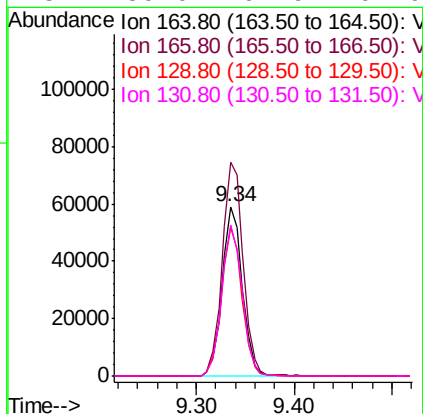
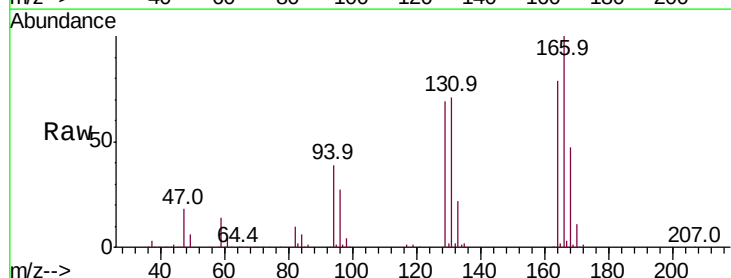
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

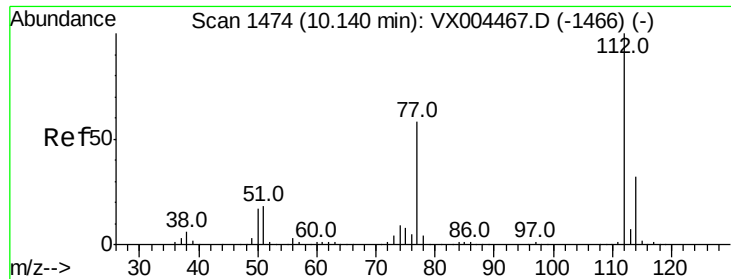
Tot Ion:117 Resp: 328874
Ion Ratio Lower Upper
117 100
82 54.2 47.8 71.6
119 32.0 29.3 43.9



#64
Tetrachloroethene
Concen: 20.608 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion:164 Resp: 84620
Ion Ratio Lower Upper
164 100
166 126.1 102.8 154.2
129 87.5 69.4 104.0
131 89.0 67.9 101.9

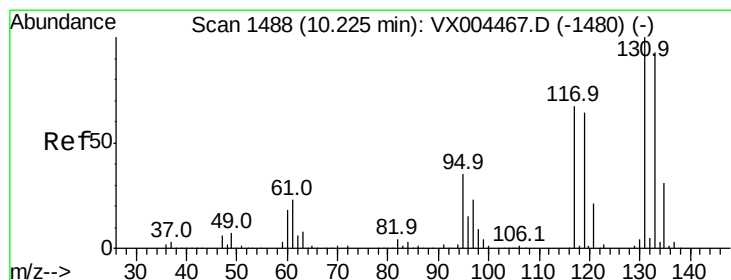
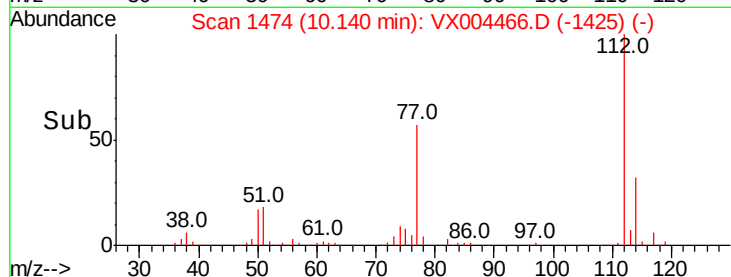
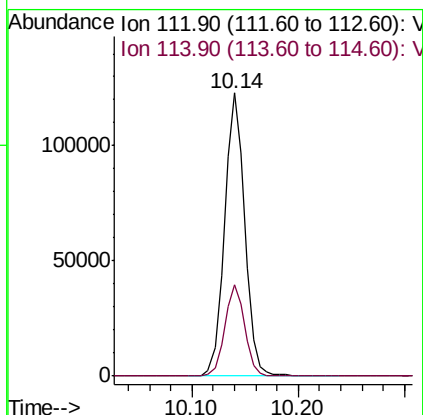
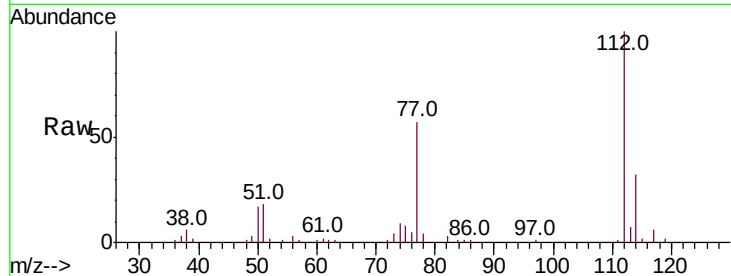




#65
Chlorobenzene
Concen: 19.972 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

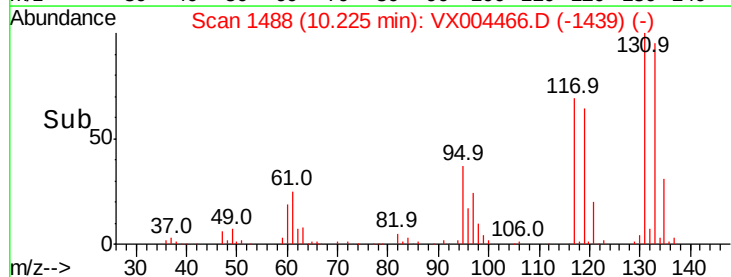
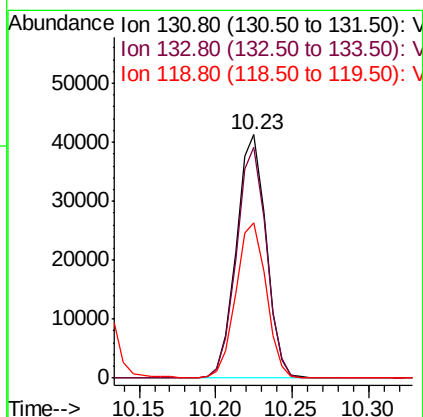
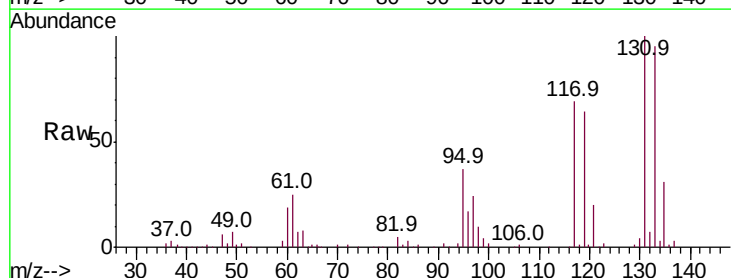
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

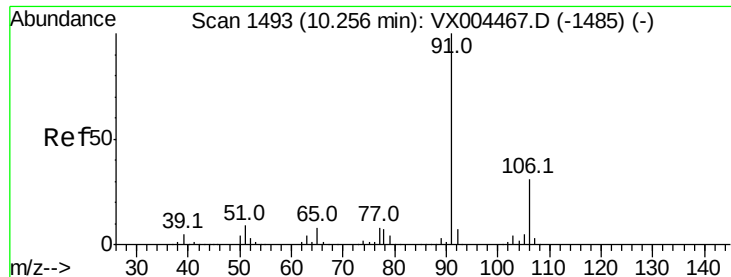
Tot Ion:112 Resp: 163148
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.800 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion:131 Resp: 55779
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 65.3 32.9 98.6

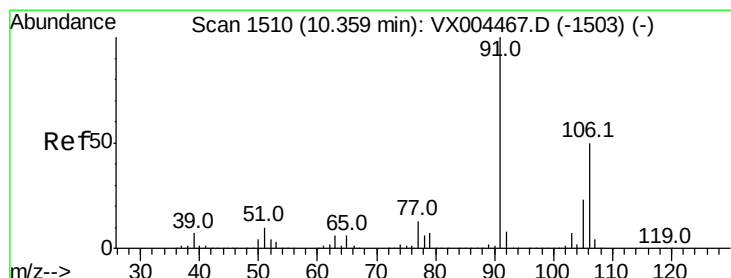
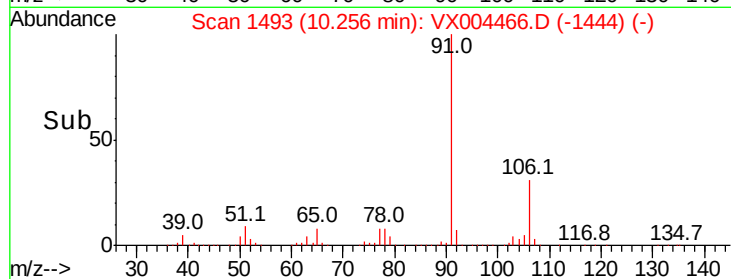
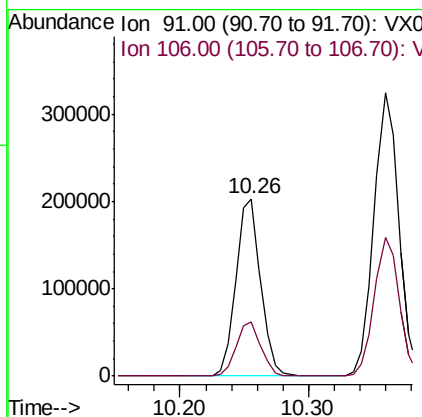
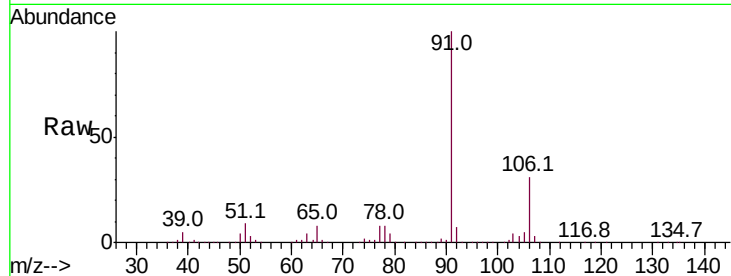




#67
Ethyl Benzene
Concen: 20.372 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

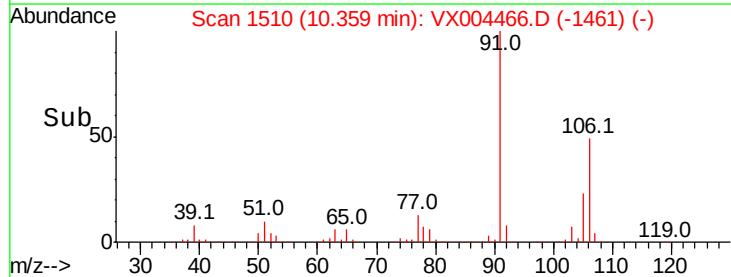
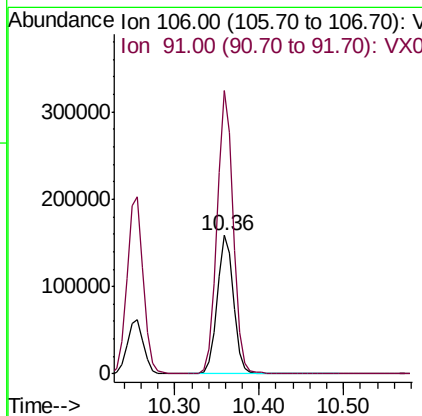
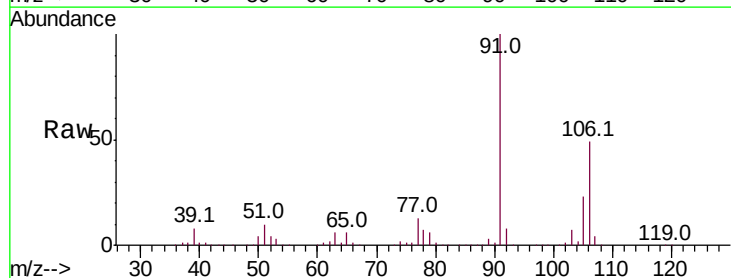
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

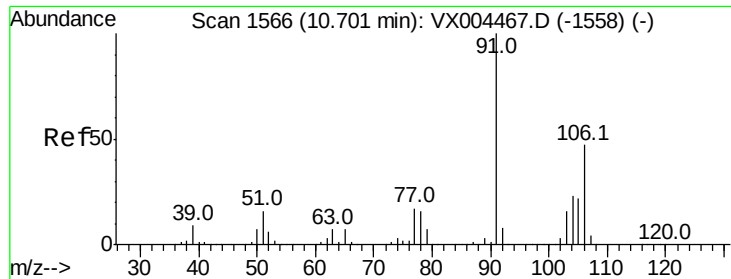
Tot Ion: 91 Resp: 270599
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9



#68
m/p-Xylenes
Concen: 41.638 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 106 Resp: 213045
Ion Ratio Lower Upper
106 100
91 202.6 157.1 235.7

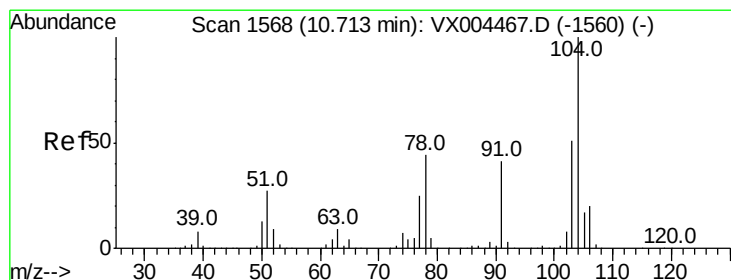
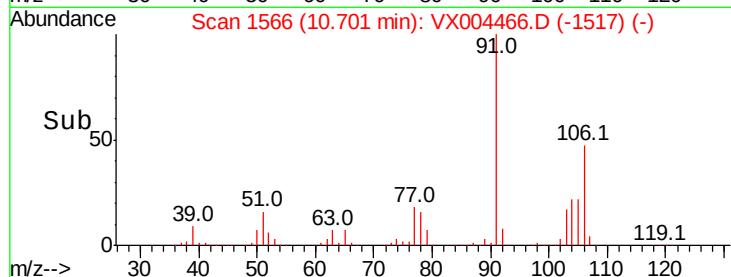
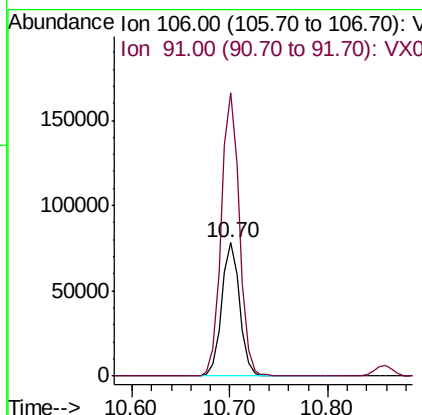
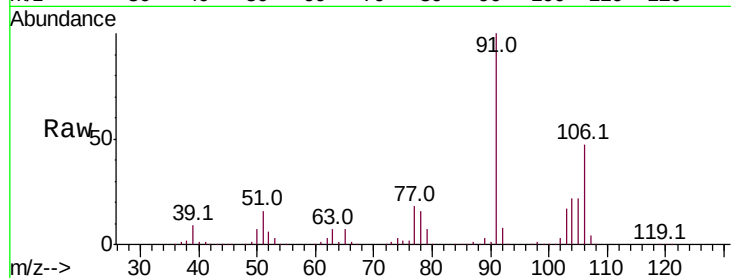




#69
o-Xylene
Concen: 20.254 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

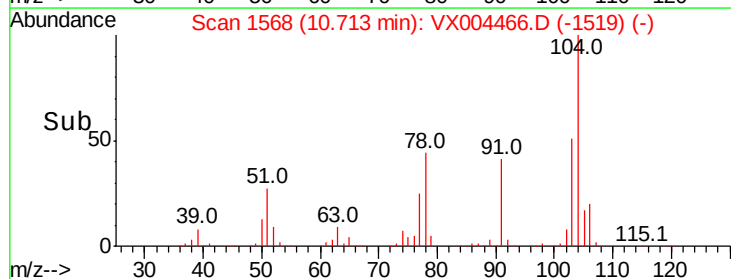
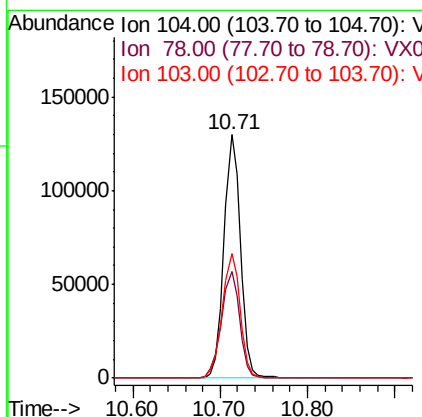
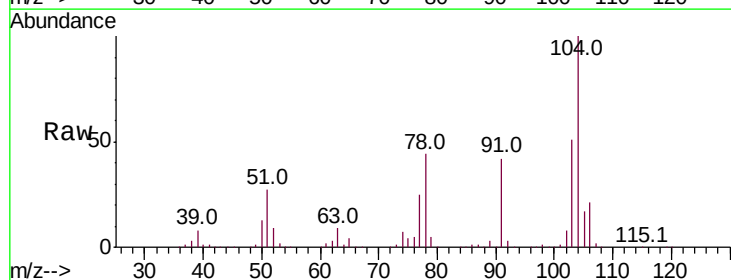
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

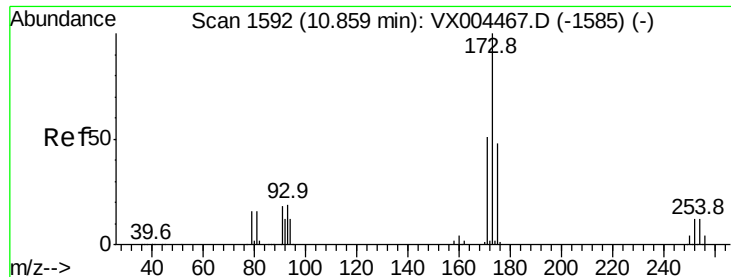
Tot Ion:106 Resp: 99631
Ion Ratio Lower Upper
106 100
91 214.7 105.1 315.1



#70
Styrene
Concen: 20.753 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion:104 Resp: 169127
Ion Ratio Lower Upper
104 100
78 48.6 37.4 56.0
103 55.9 43.8 65.6





#71

Bromoform

Concen: 19.406 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

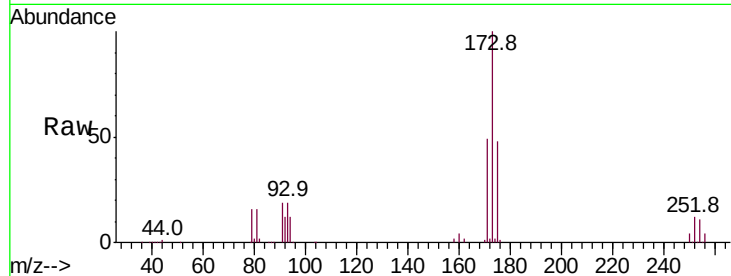
Tot Ion:173 Resp: 44887

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

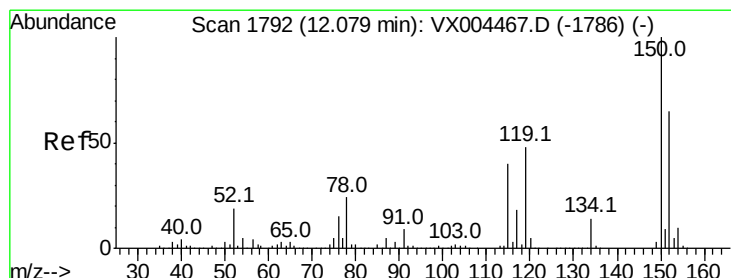
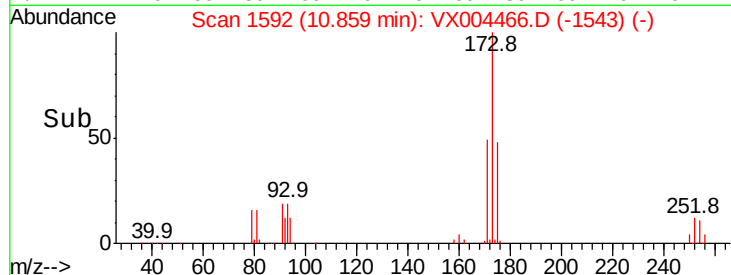
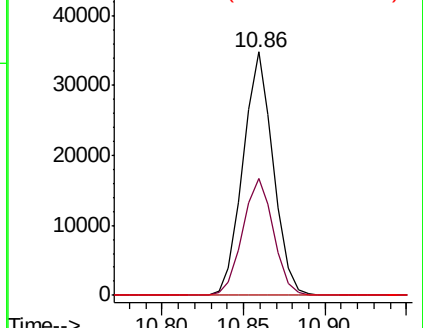
254 0.1 0.2 0.2#



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: VX004466.D

Acq: 11 Sep 2018 13:27

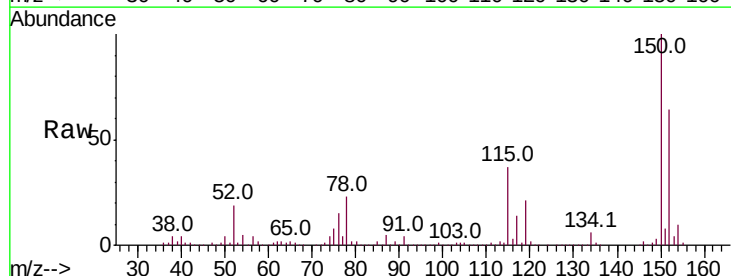
Tgt Ion:152 Resp: 198277

Ion Ratio Lower Upper

152 100

115 64.2 39.0 117.0

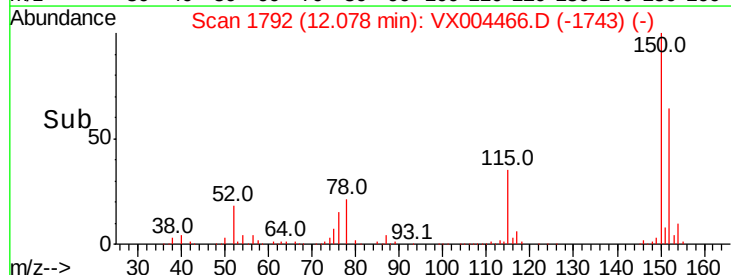
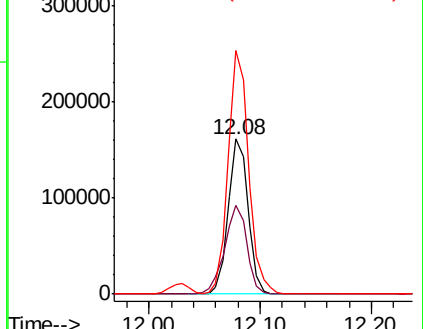
150 163.0 0.0 351.0

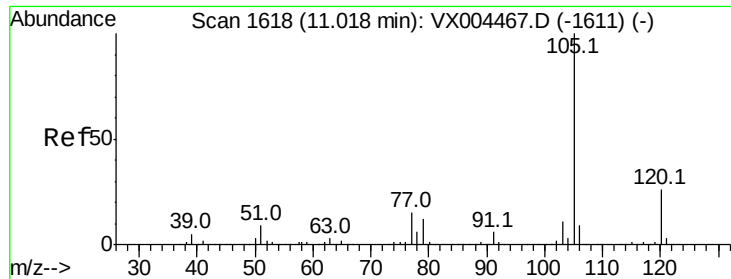


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

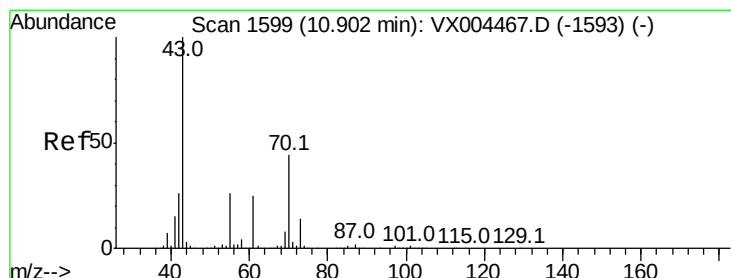
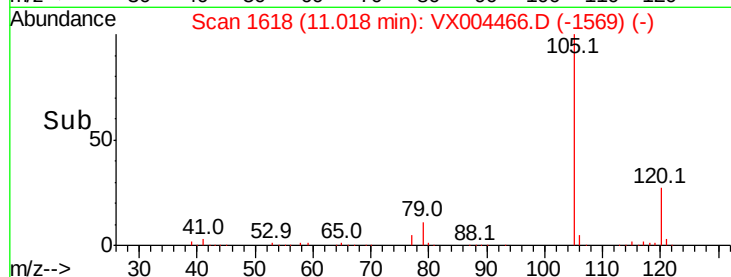
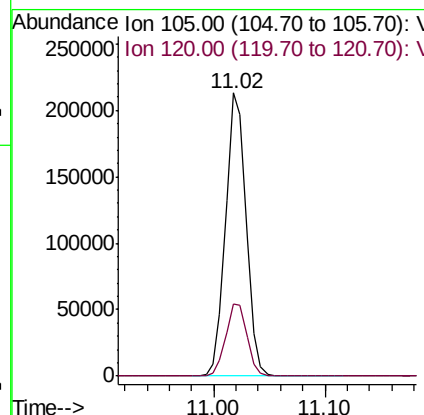
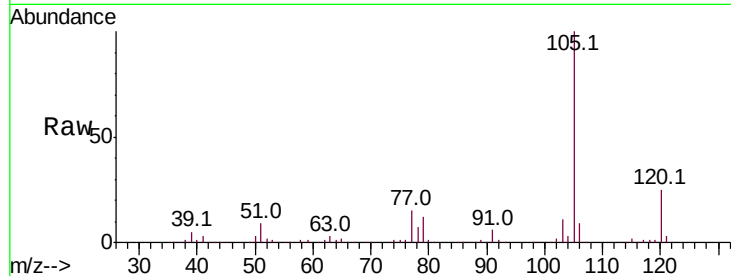




#73
Isopropylbenzene
Concen: 20.923 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

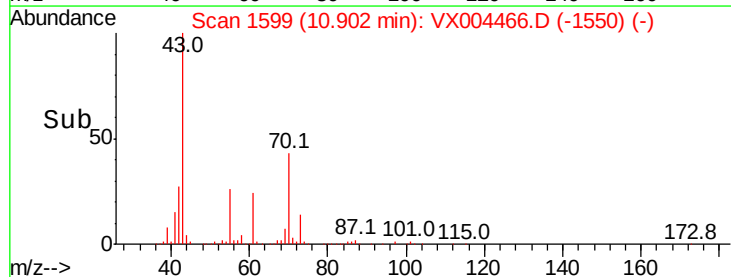
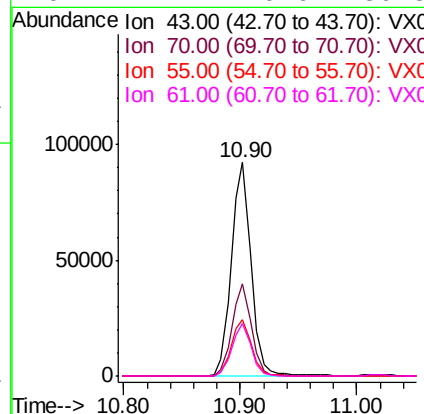
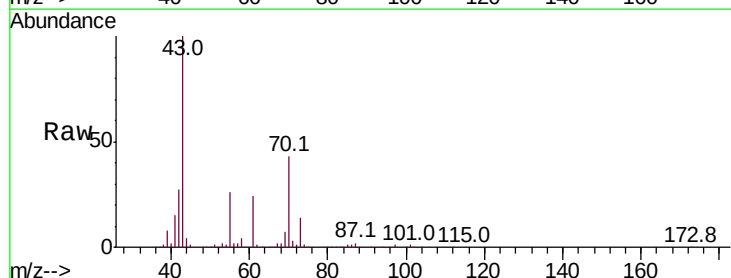
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

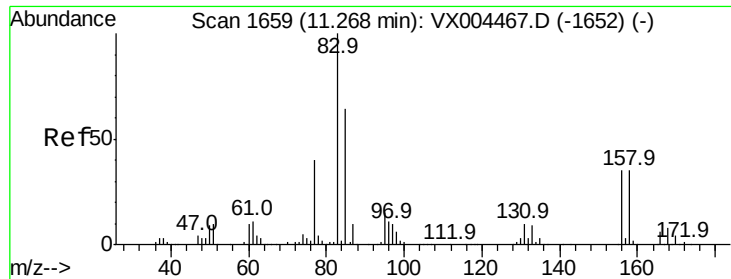
Tot Ion:105 Resp: 273222
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4



#74
N-ethyl acetate
Concen: 19.705 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 43 Resp: 108306
Ion Ratio Lower Upper
43 100
70 42.4 37.4 56.0
55 27.5 21.8 32.8
61 24.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.542 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

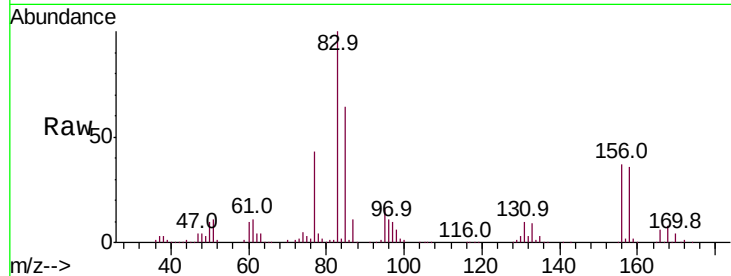
Tot Ion: 83 Resp: 82312

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

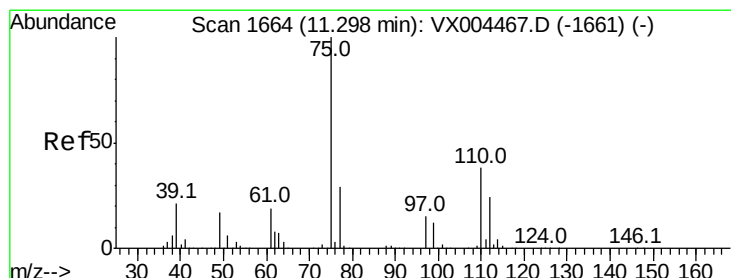
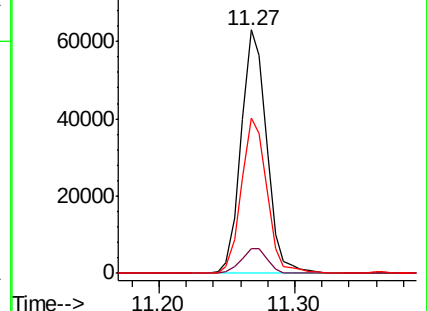
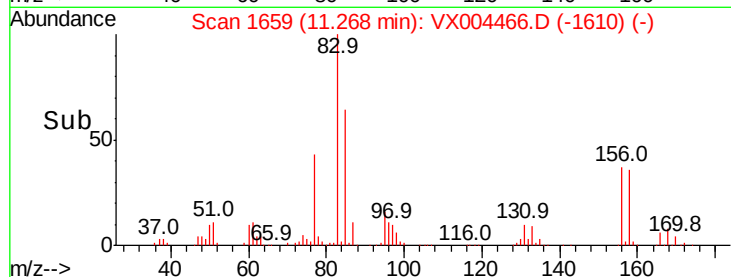
85 64.0 32.3 96.8



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: 26.358 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004466.D

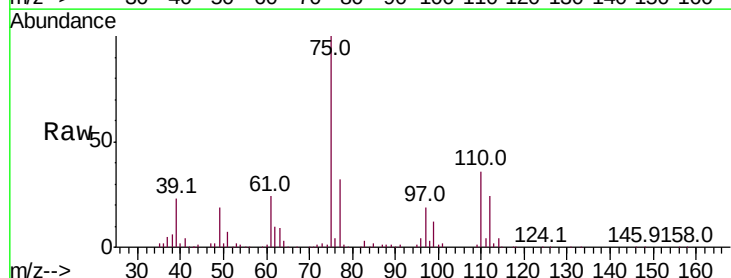
Acq: 11 Sep 2018 13:27

Tgt Ion: 75 Resp: 102119

Ion Ratio Lower Upper

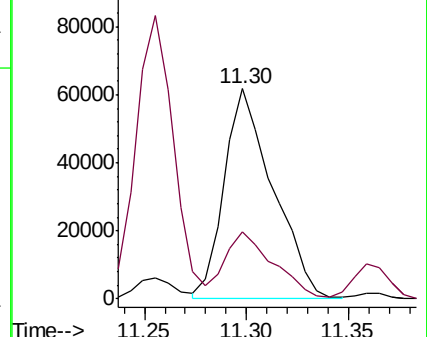
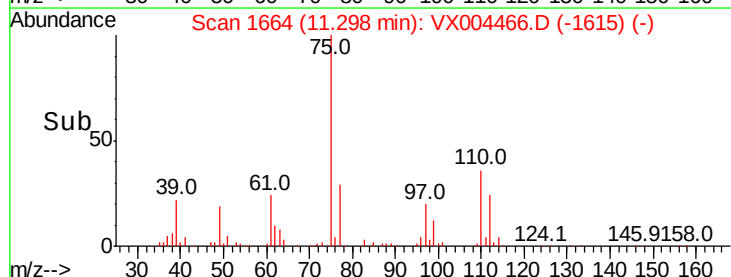
75 100

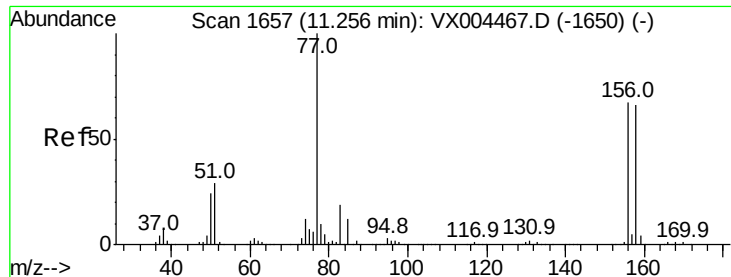
77 31.7 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.311 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

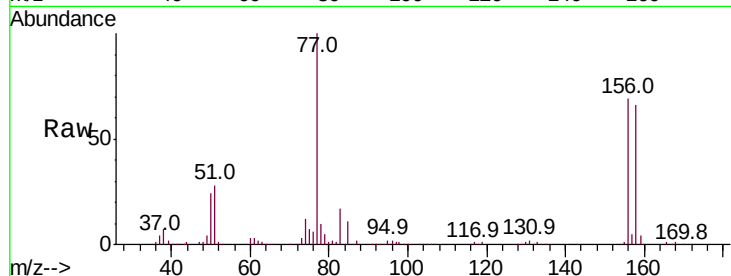
Tot Ion:156 Resp: 73309

Ion Ratio Lower Upper

156 100

77 146.0 71.5 214.3

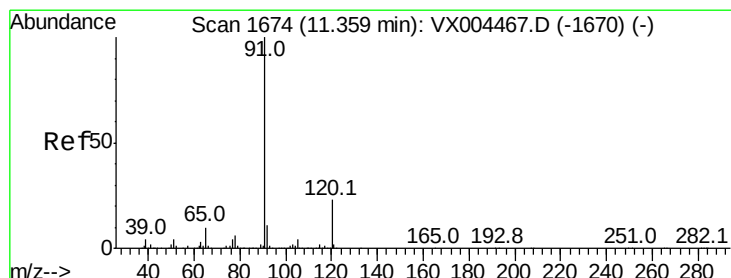
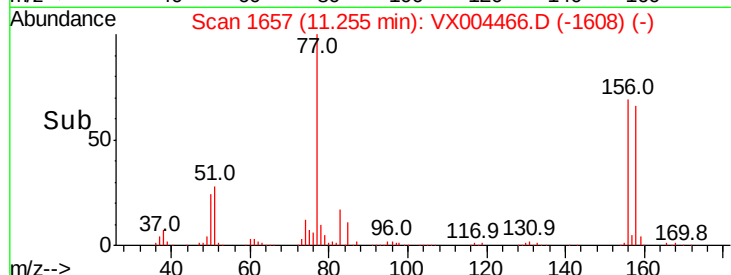
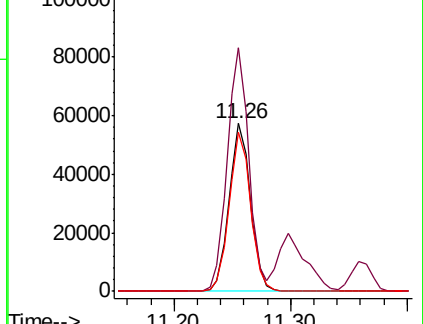
158 95.6 48.9 146.8



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: 20.920 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004466.D

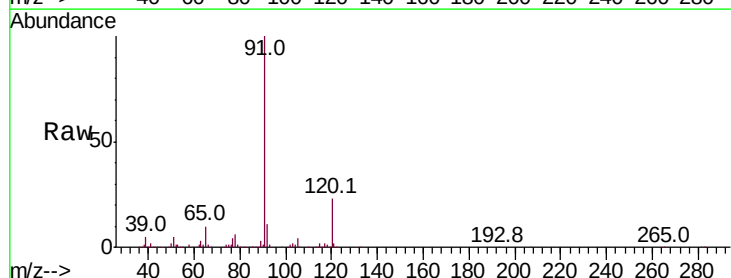
Acq: 11 Sep 2018 13:27

Tgt Ion: 91 Resp: 314106

Ion Ratio Lower Upper

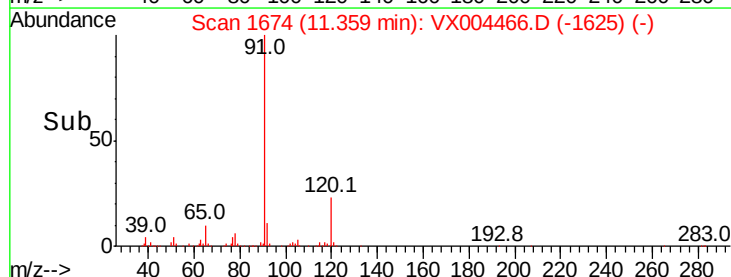
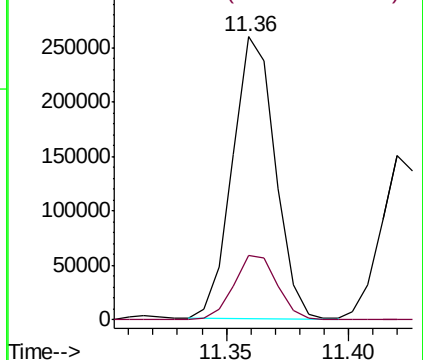
91 100

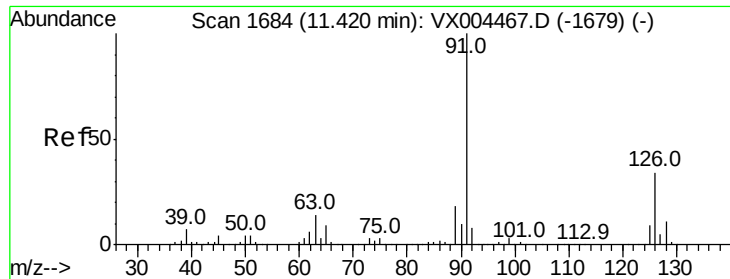
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

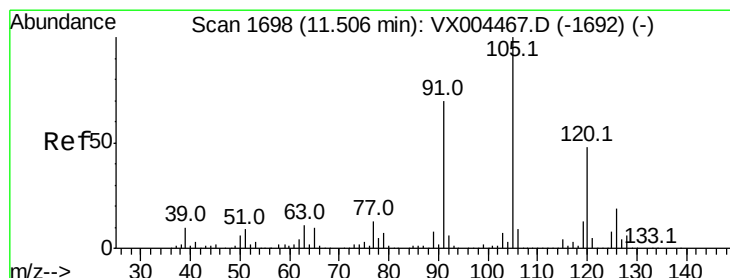
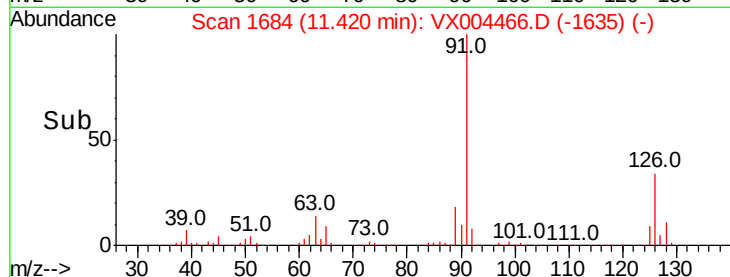
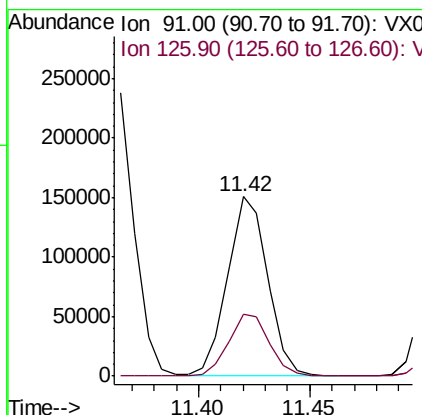
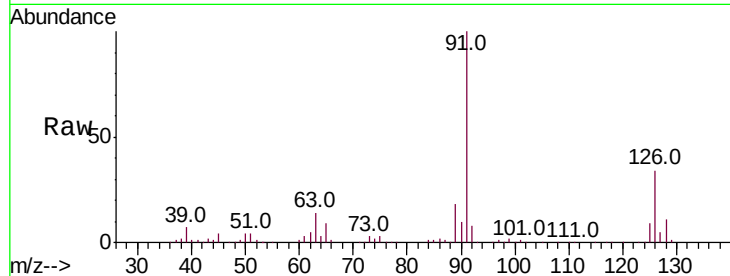




#79
 2-Chlorotoluene
 Concen: 20.629 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

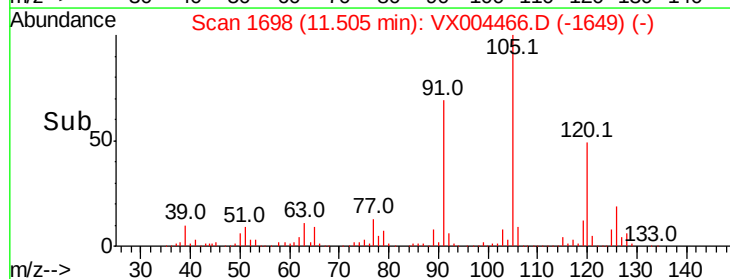
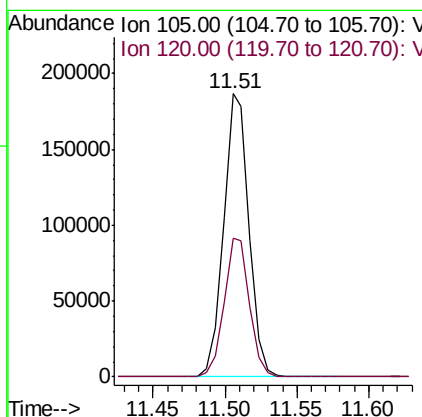
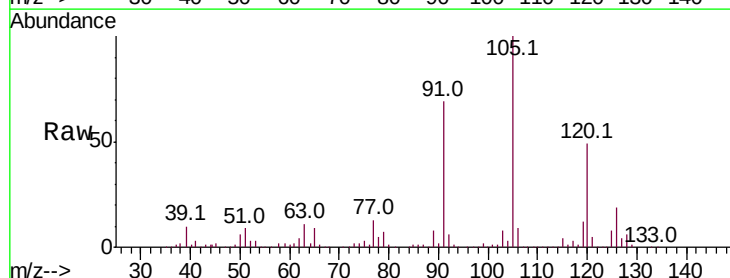
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

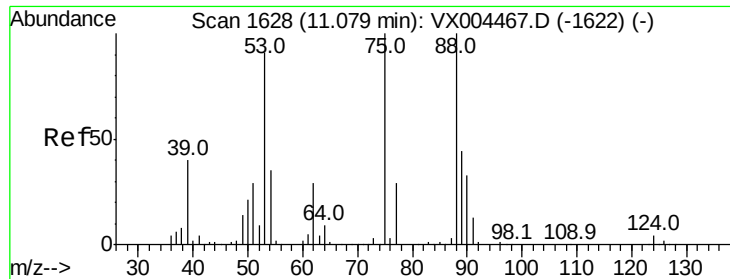
Tot Ion: 91 Resp: 187848
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.058 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004466.D
 Acq: 11 Sep 2018 13:27

Tgt Ion: 105 Resp: 231163
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.231 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

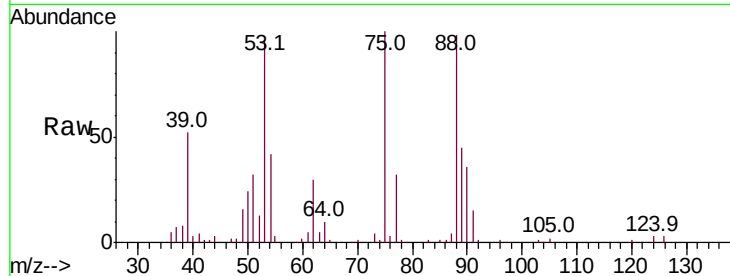
Tot Ion: 75 Resp: 24068

Ion Ratio Lower Upper

75 100

53 101.3 80.1 120.1

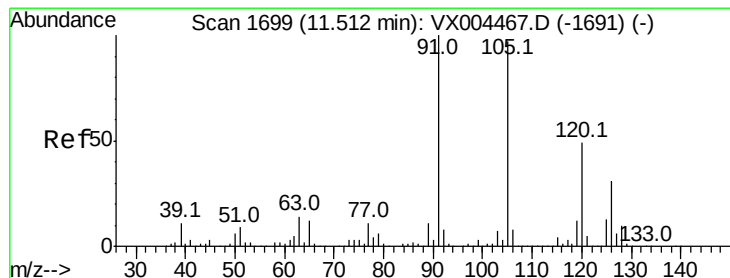
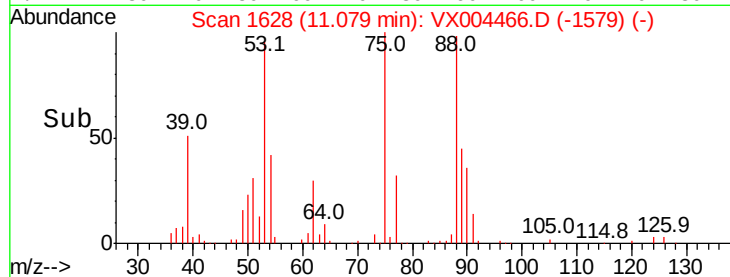
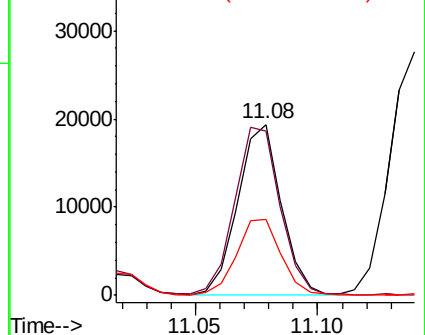
89 45.8 37.2 55.8



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: 20.889 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004466.D

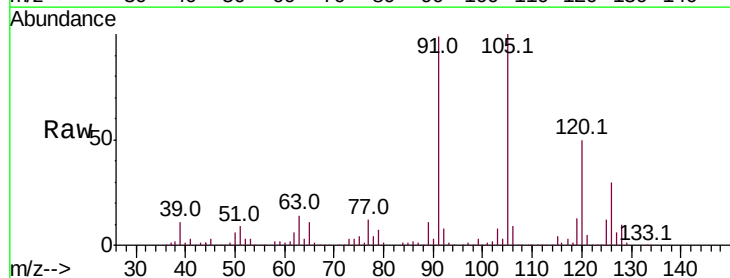
Acq: 11 Sep 2018 13:27

Tgt Ion: 91 Resp: 222010

Ion Ratio Lower Upper

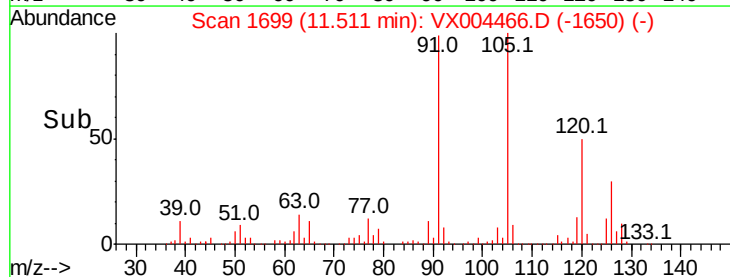
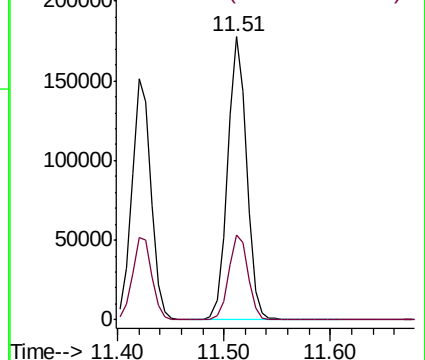
91 100

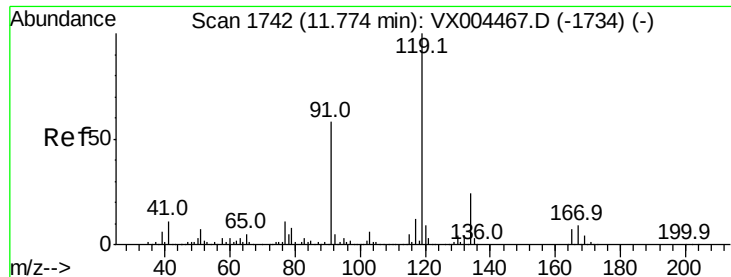
126 30.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.363 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

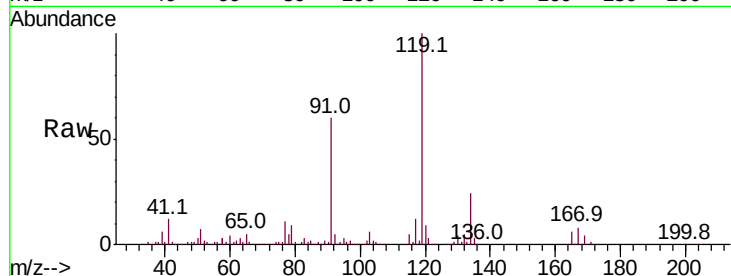
Tot Ion:119 Resp: 212819

Ion Ratio Lower Upper

119 100

91 58.6 27.0 81.0

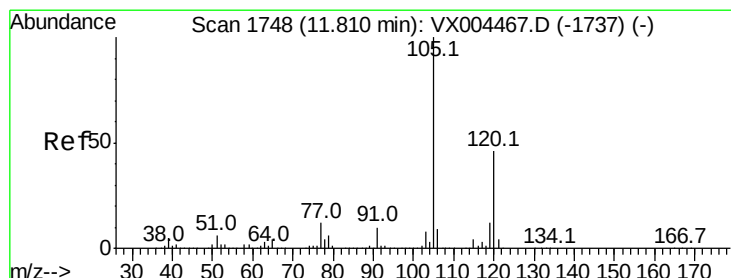
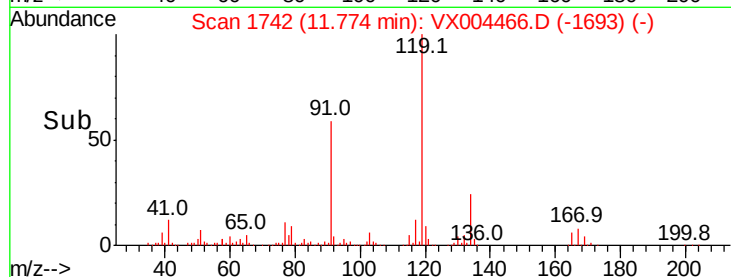
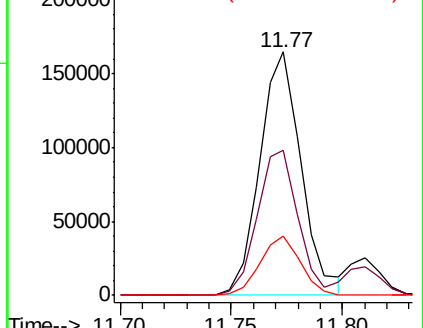
134 23.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.193 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX004466.D

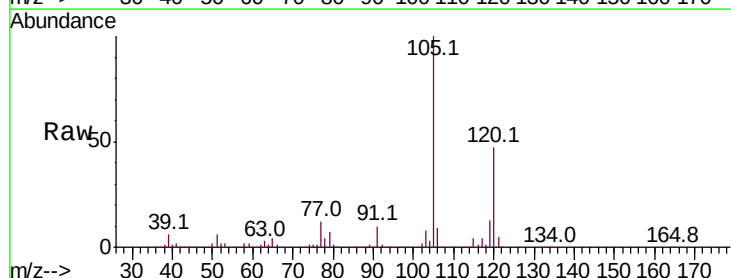
Acq: 11 Sep 2018 13:27

Tgt Ion:105 Resp: 237532

Ion Ratio Lower Upper

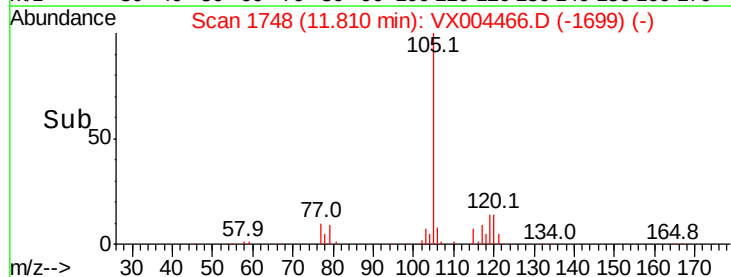
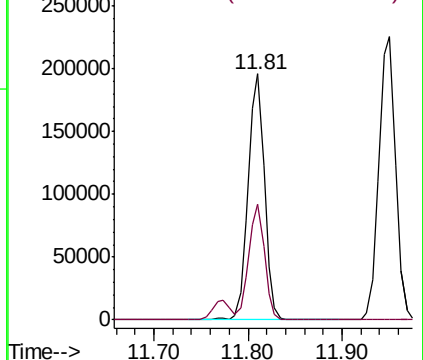
105 100

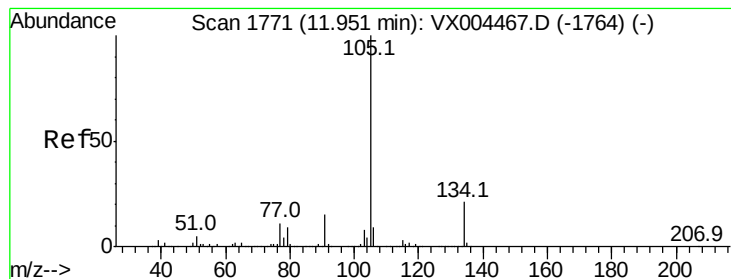
120 45.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.838 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

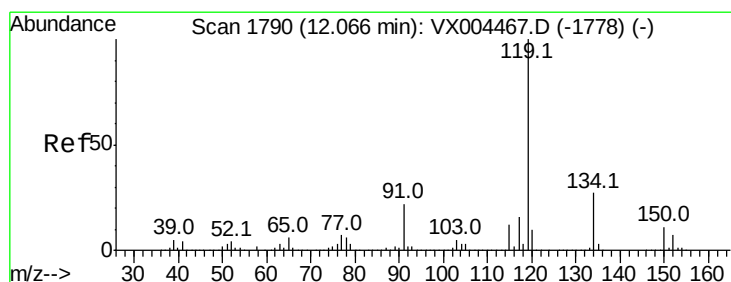
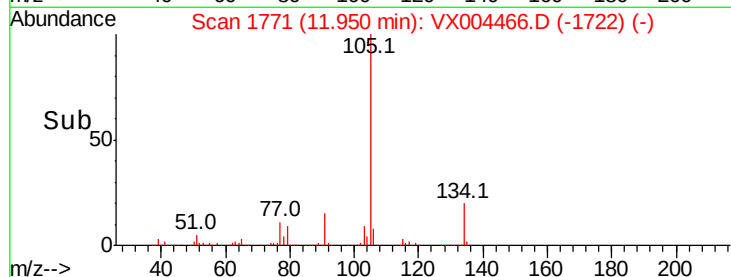
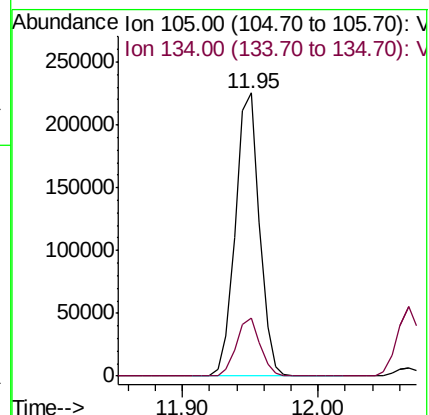
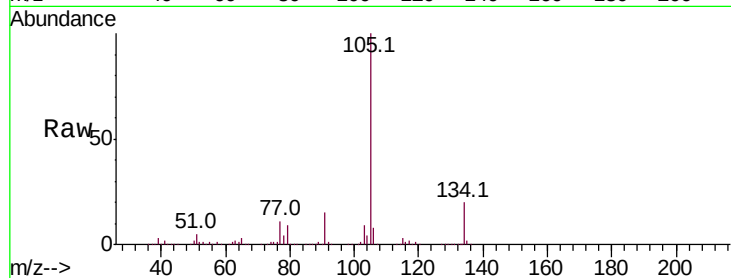
VSTDIC020

Tot Ion:105 Resp: 277522

Ion Ratio Lower Upper

105 100

134 20.1 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.134 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

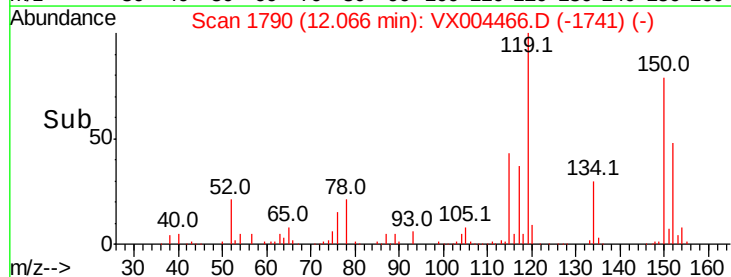
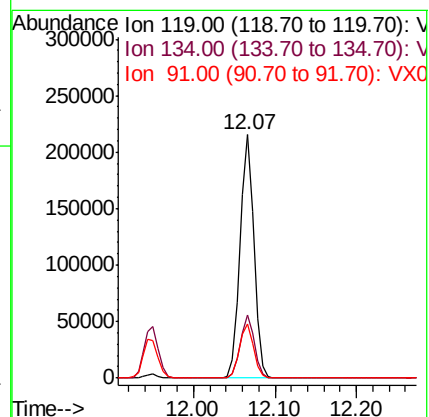
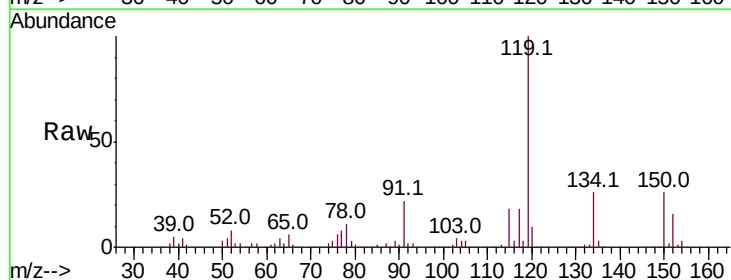
Tgt Ion:119 Resp: 248549

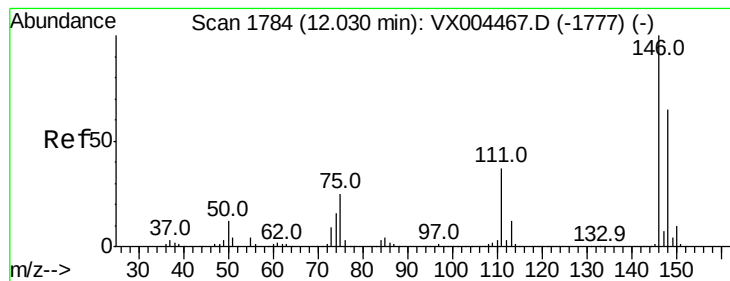
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

91 22.6 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 19.927 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

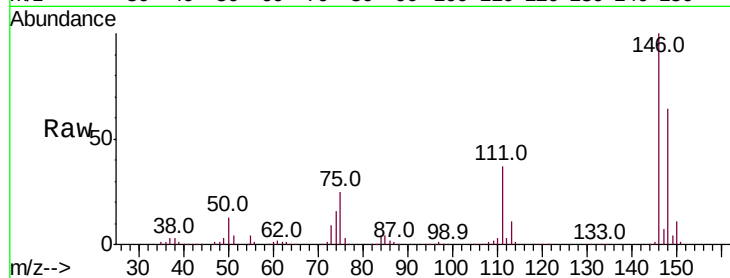
Tot Ion:146 Resp: 134189

Ion Ratio Lower Upper

146 100

111 38.2 18.7 56.1

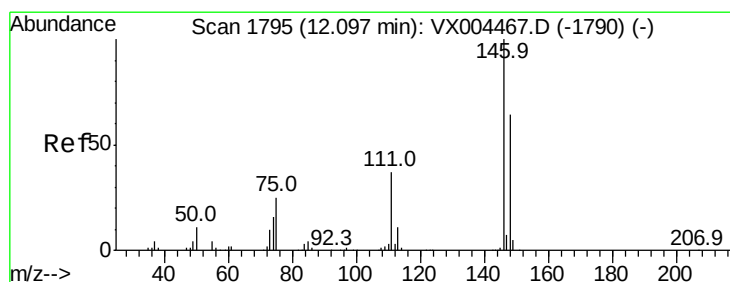
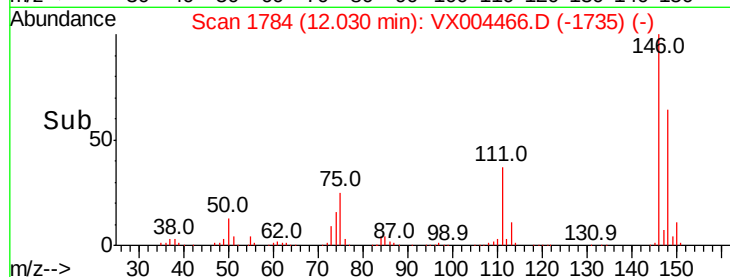
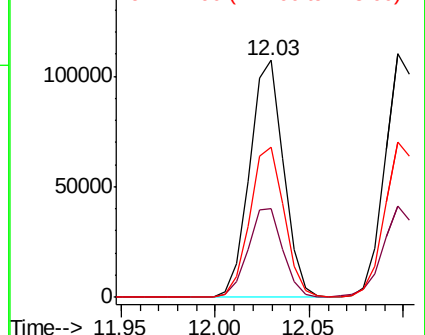
148 64.1 32.1 96.5



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: 19.689 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

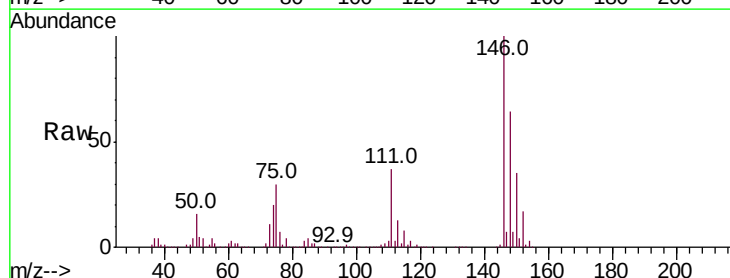
Tgt Ion:146 Resp: 136998

Ion Ratio Lower Upper

146 100

111 38.0 18.1 54.1

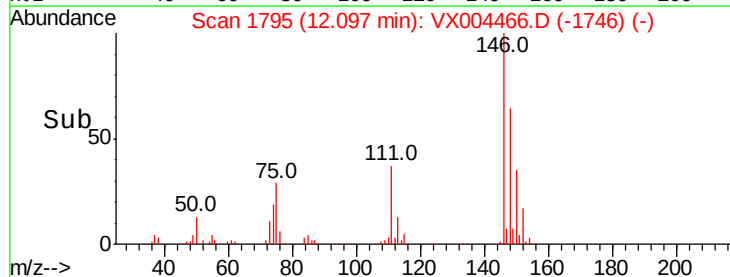
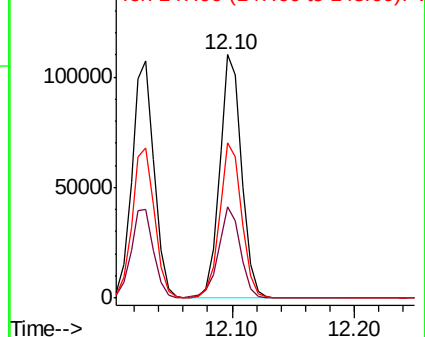
148 64.7 32.0 96.0

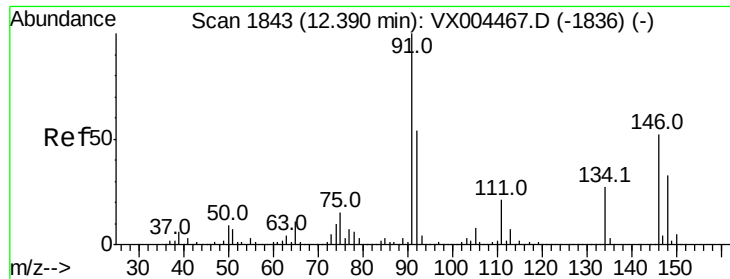


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

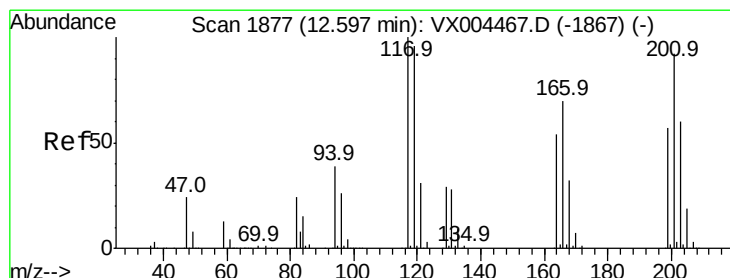
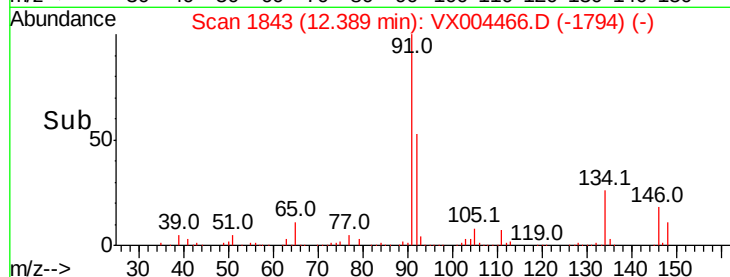
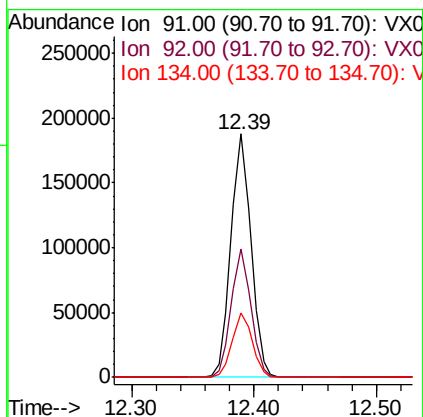
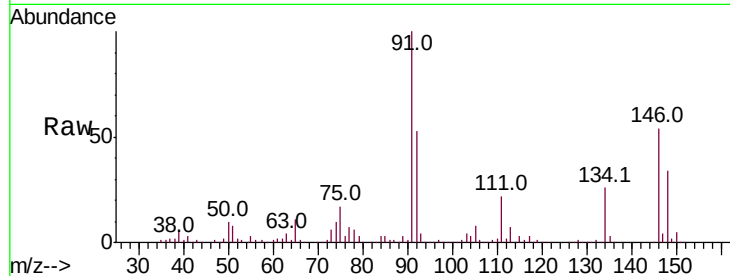




#89
n-Butylbenzene
Concen: 19.853 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

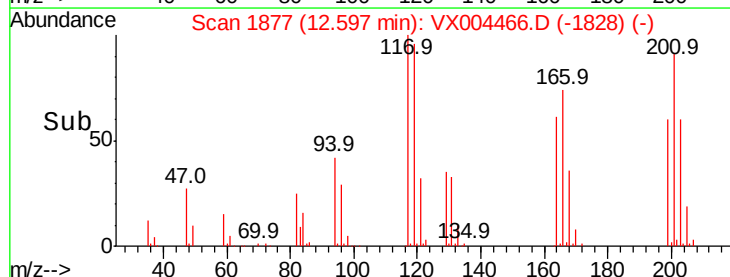
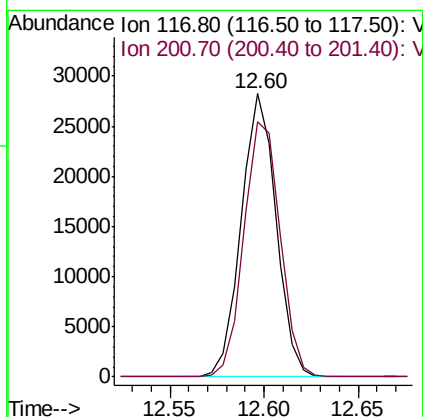
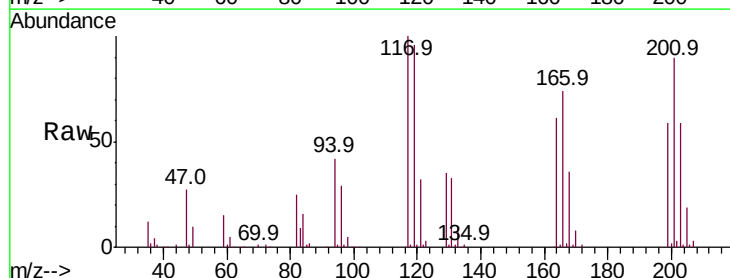
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

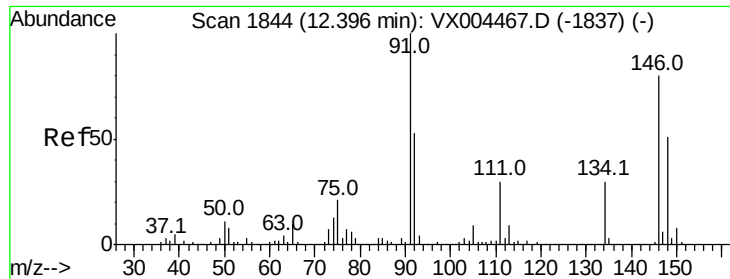
Tot Ion: 91 Resp: 212763
Ion Ratio Lower Upper
91 100
92 51.9 27.3 81.9
134 26.1 13.6 40.7



#90
Hexachloroethane
Concen: 19.249 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004466.D
Acq: 11 Sep 2018 13:27

Tgt Ion: 117 Resp: 36241
Ion Ratio Lower Upper
117 100
201 93.8 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.616 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

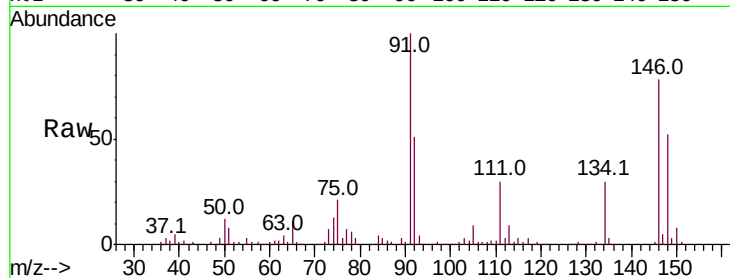
Tot Ion:146 Resp: 133706

Ion Ratio Lower Upper

146 100

111 39.8 19.4 58.1

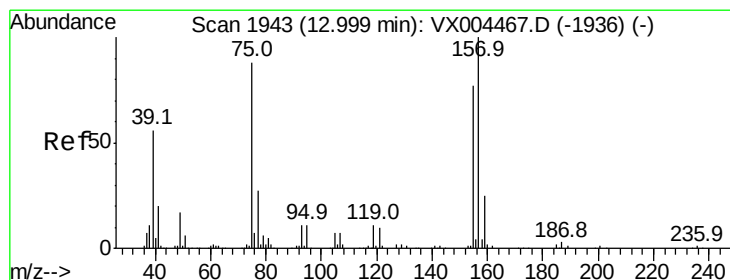
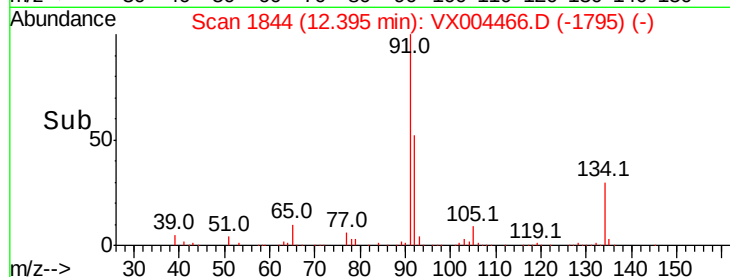
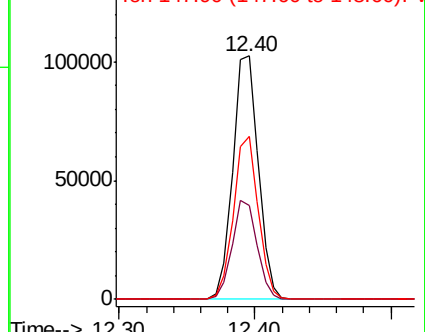
148 65.2 32.8 98.3



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: 20.021 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

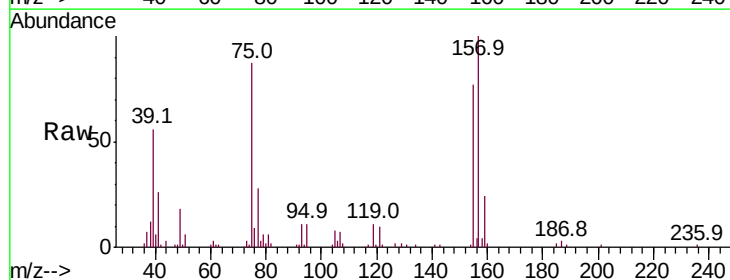
Tgt Ion: 75 Resp: 18006

Ion Ratio Lower Upper

75 100

155 95.5 48.0 144.2

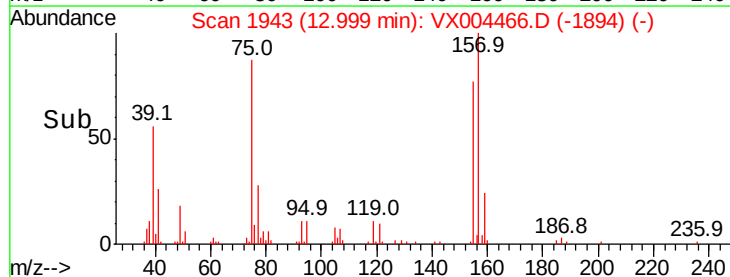
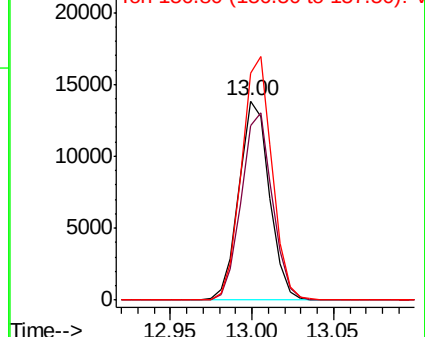
157 122.1 61.4 184.1

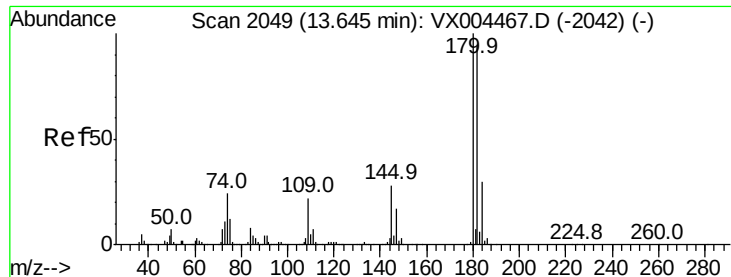


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.981 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

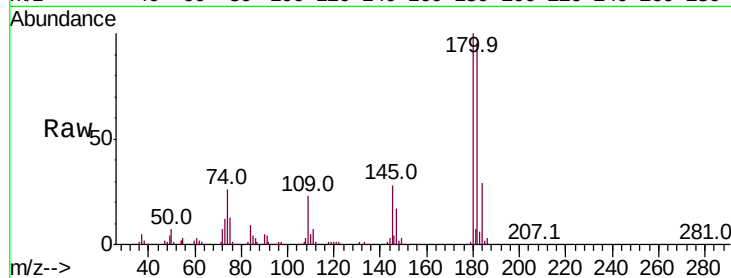
Tot Ion:180 Resp: 96434

Ion Ratio Lower Upper

180 100

182 94.6 48.4 145.0

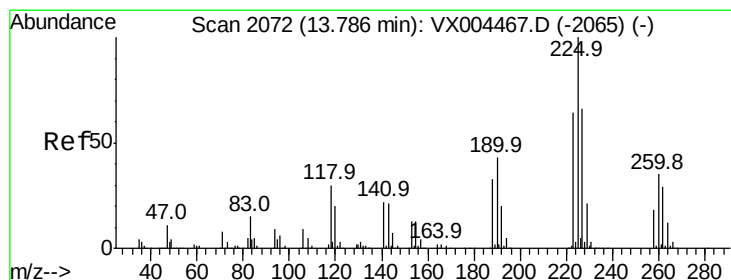
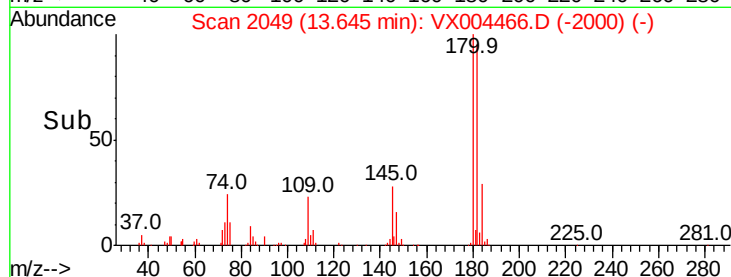
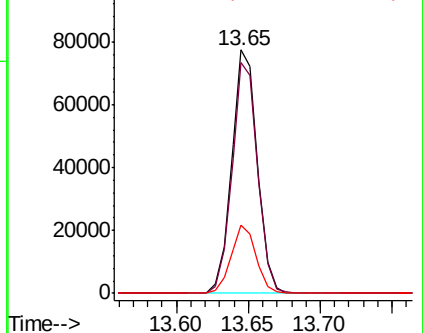
145 27.4 14.3 42.9



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: 19.518 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

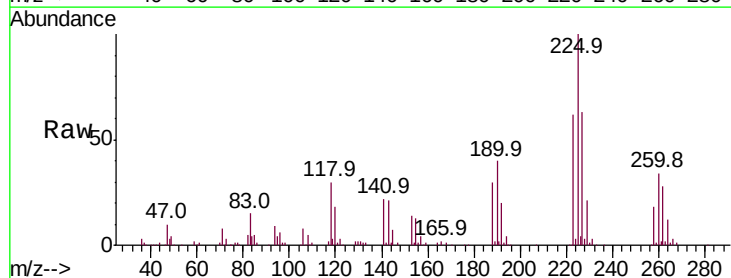
Tgt Ion:225 Resp: 49206

Ion Ratio Lower Upper

225 100

223 62.4 30.1 90.5

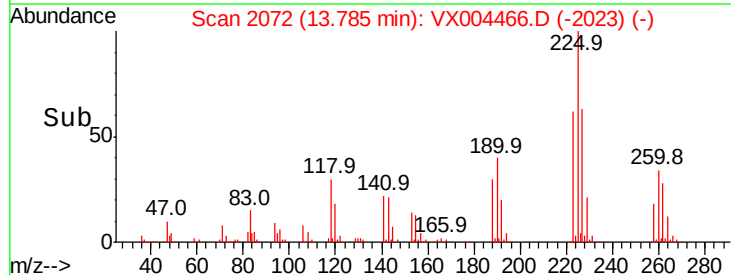
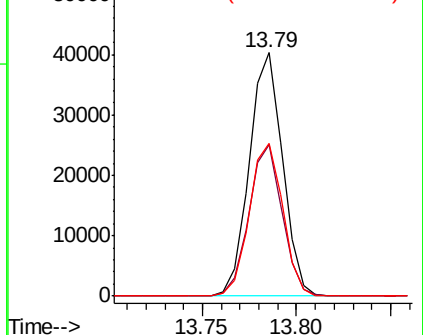
227 63.3 30.8 92.4

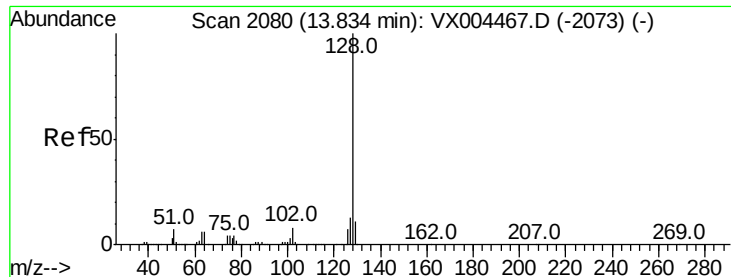


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.374 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Instrument :

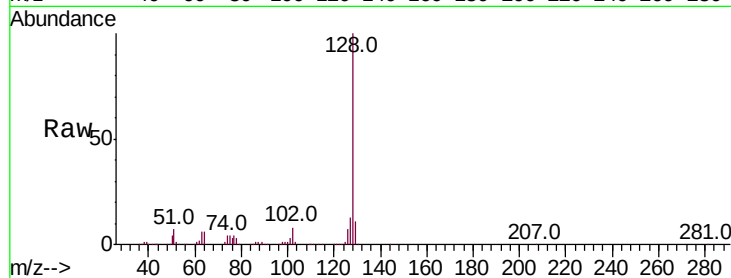
MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:128 Resp: 275787

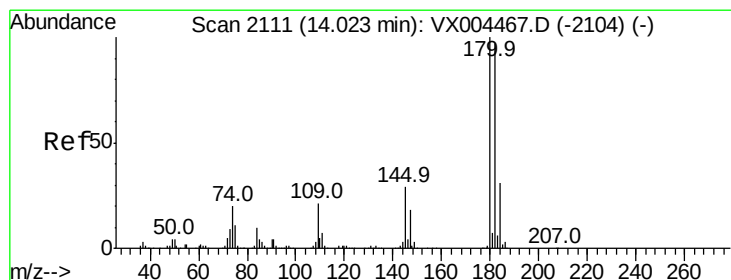
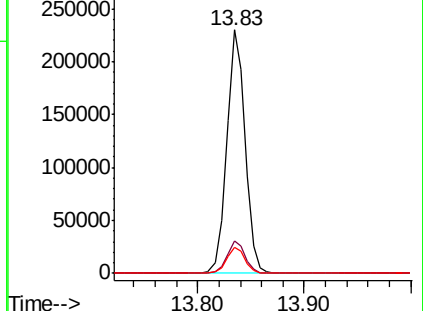
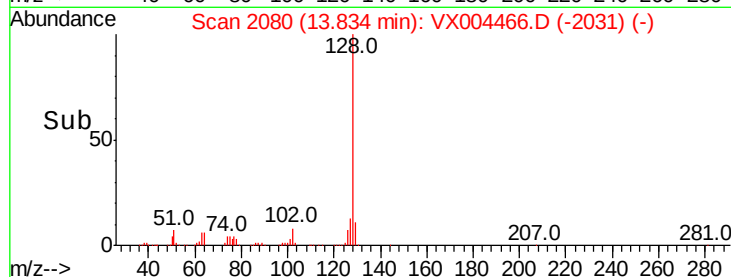
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	12.8



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: 20.055 ug/l

RT: 14.02 min Scan# 2111

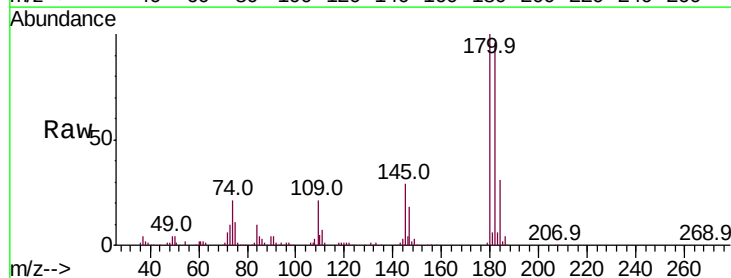
Delta R.T. -0.00 min

Lab File: VX004466.D

Acq: 11 Sep 2018 13:27

Tgt Ion:180 Resp: 99439

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.5	145.6
145	29.7	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

