

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004698.D
 Acq On : 19 Sep 2018 11:53
 Operator : JC/MD
 Sample : VX0919WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Quant Time: Sep 19 16:48:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	257912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	141233	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
35) Dibromofluoromethane	5.49	113	127650	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	
50) Toluene-d8	8.71	98	453100	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
62) 4-Bromofluorobenzene	11.14	95	167310	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46498	19.237	ug/l	90
3) Chloromethane	1.32	50	58195	17.494	ug/l	100
4) Vinyl Chloride	1.40	62	63070	18.473	ug/l	97
5) Bromomethane	1.64	94	32968	22.409	ug/l	88
6) Chloroethane	1.72	64	39678	17.971	ug/l	100
7) Trichlorofluoromethane	1.93	101	82256	18.173	ug/l	95
8) Diethyl Ether	2.18	74	38504	18.975	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	53571	18.657	ug/l	97
10) Methyl Iodide	2.51	142	50206	17.639	ug/l	95
11) Tert butyl alcohol	3.06	59	72770	91.705	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50491	18.736	ug/l	98
13) Acrolein	2.29	56	18719	59.760	ug/l	93
14) Allyl chloride	2.73	41	98238	17.732	ug/l	97
15) Acrylonitrile	3.15	53	171348	89.669	ug/l	99
16) Acetone	2.44	43	137284	84.581	ug/l	97
17) Carbon Disulfide	2.57	76	139528	17.913	ug/l	98
18) Methyl Acetate	2.78	43	86560	19.008	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	183228	19.378	ug/l	96
20) Methylene Chloride	2.85	84	60341	18.122	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	57086	19.170	ug/l	84
22) Diisopropyl ether	3.86	45	188105	18.851	ug/l	# 88
23) Vinyl Acetate	3.81	43	751737	93.094	ug/l	98
24) 1,1-Dichloroethane	3.69	63	112024	19.885	ug/l	98
25) 2-Butanone	4.70	43	215790	83.536	ug/l	97
26) 2,2-Dichloropropane	4.58	77	81717	21.119	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	65438	19.685	ug/l	97
28) Bromochloromethane	5.01	49	43530	16.892	ug/l	95
29) Tetrahydrofuran	5.15	42	139156	89.327	ug/l	98
30) Chloroform	5.22	83	101800	18.509	ug/l	92
31) Cyclohexane	5.57	56	94271	19.597	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	87716	19.801	ug/l	99
36) 1,1-Dichloropropene	5.79	75	79442	20.405	ug/l	100
37) Ethyl Acetate	4.85	43	78622	17.756	ug/l	99
38) Carbon Tetrachloride	5.79	117	75346	19.814	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84312	20.753	ug/l	97
40) Benzene	6.14	78	235595	20.395	ug/l	99
41) Methacrylonitrile	5.06	41	46084	18.889	ug/l	99
42) 1,2-Dichloroethane	6.19	62	76578	19.988	ug/l	100
43) Isopropyl Acetate	6.45	43	118167	20.092	ug/l	99
44) Trichloroethene	7.21	130	63776	21.251	ug/l	98
45) 1,2-Dichloropropane	7.51	63	56955	20.491	ug/l	97
46) Dibromomethane	7.66	93	36040	20.524	ug/l	96
47) Bromodichloromethane	7.90	83	66703	20.087	ug/l	99
48) Methyl methacrylate	7.77	41	56950	19.567	ug/l	97
49) 1,4-Dioxane	7.75	88	29181	423.600	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	375360	90.440	ug/l	98
52) Toluene	8.79	92	137456	20.197	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	74526	19.212	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	84803	21.445	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	55691	19.004	ug/l	96
56) Ethyl methacrylate	9.18	69	78328	18.894	ug/l	97
57) 1,3-Dichloropropane	9.37	76	92292	19.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	186286	92.903	ug/l	97
59) 2-Hexanone	9.49	43	286148	89.885	ug/l	98
60) Dibromochloromethane	9.59	129	54760	19.849	ug/l	99
61) 1,2-Dibromoethane	9.67	107	57103	20.398	ug/l	99
64) Tetrachloroethene	9.34	164	79407	20.966	ug/l	99
65) Chlorobenzene	10.14	112	156630	20.787	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	54583	21.006	ug/l	99
67) Ethyl Benzene	10.25	91	257792	21.040	ug/l	97
68) m/p-Xylenes	10.36	106	202266	42.857	ug/l	98
69) o-Xylene	10.70	106	96901	21.356	ug/l	100
70) Styrene	10.71	104	162903	21.671	ug/l	99
71) Bromoform	10.86	173	42781	20.052	ug/l #	98
73) Isopropylbenzene	11.02	105	267338	21.624	ug/l	100
74) N-amyl acetate	10.90	43	99783	19.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	74061	18.572	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	92650	24.532	ug/l	86
77) Bromobenzene	11.26	156	71391	20.892	ug/l	99
78) n-propylbenzene	11.36	91	306562	21.566	ug/l	100
79) 2-Chlorotoluene	11.42	91	180481	20.935	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	225651	21.712	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	23482	19.818	ug/l	98
82) 4-Chlorotoluene	11.51	91	211582	21.028	ug/l	98
83) tert-Butylbenzene	11.77	119	210985	21.323	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	230638	21.735	ug/l	99
85) sec-Butylbenzene	11.94	105	274545	21.774	ug/l	100
86) p-Isopropyltoluene	12.07	119	248035	22.277	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	134447	21.088	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	136441	20.711	ug/l	99
89) n-Butylbenzene	12.39	91	211227	20.818	ug/l	98
90) Hexachloroethane	12.60	117	36232	20.327	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	133804	20.735	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16474	19.348	ug/l	95

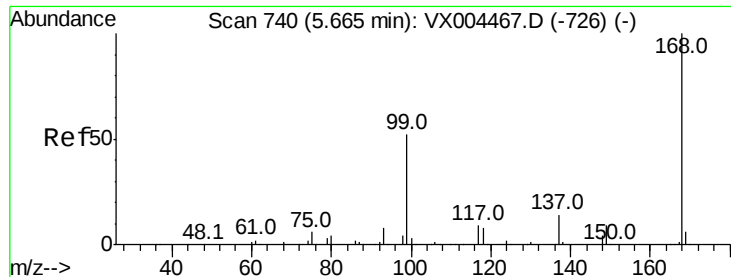
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99037	21.675	ug/l	100
94) Hexachlorobutadiene	13.79	225	52915	22.170	ug/l	98
95) Naphthalene	13.83	128	274792	21.442	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102160	21.763	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

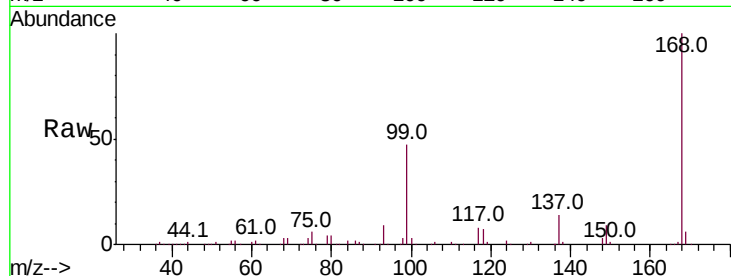
VX0919WBS01

Tot Ion:168 Resp: 257912

Ion Ratio Lower Upper

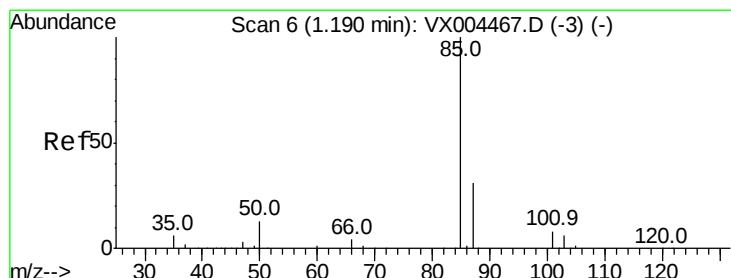
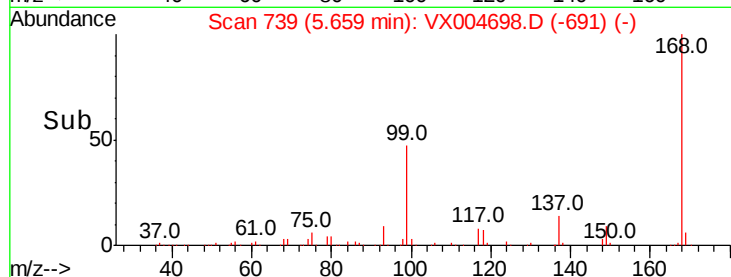
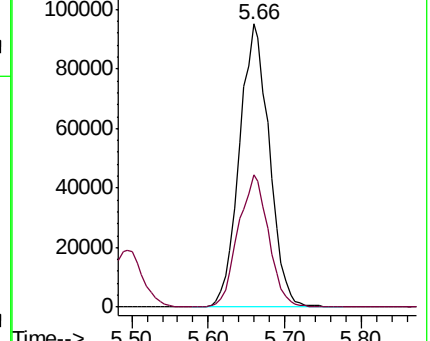
168 100

99 46.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.237 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004698.D

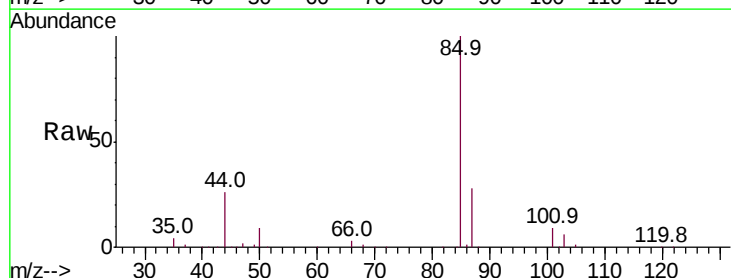
Acq: 19 Sep 2018 11:53

Tgt Ion: 85 Resp: 46498

Ion Ratio Lower Upper

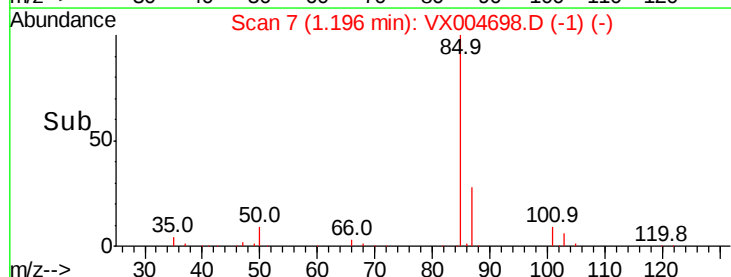
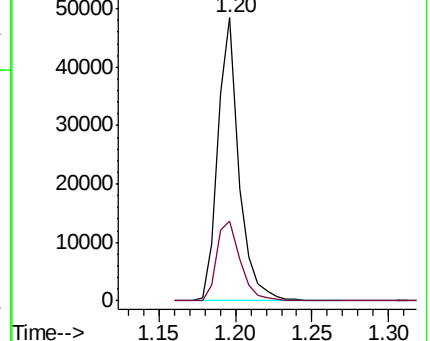
85 100

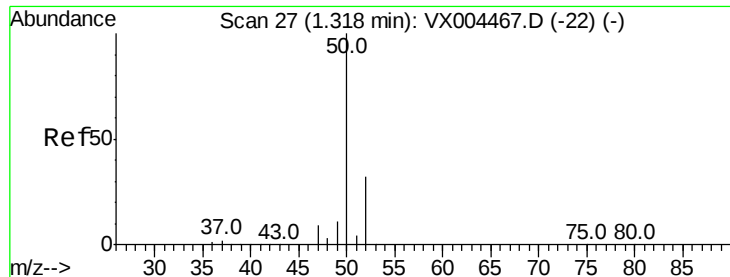
87 28.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.494 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

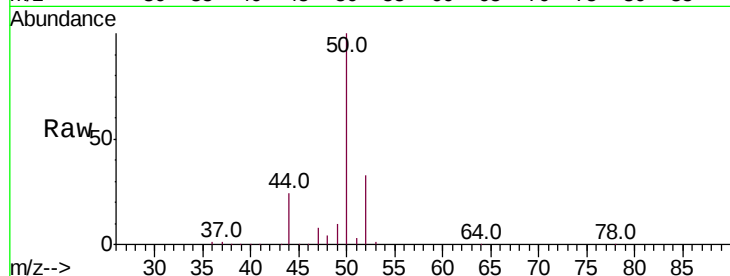
VX0919WBS01

Tot Ion: 50 Resp: 58195

Ion Ratio Lower Upper

50 100

52 32.9 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

60000

50000

40000

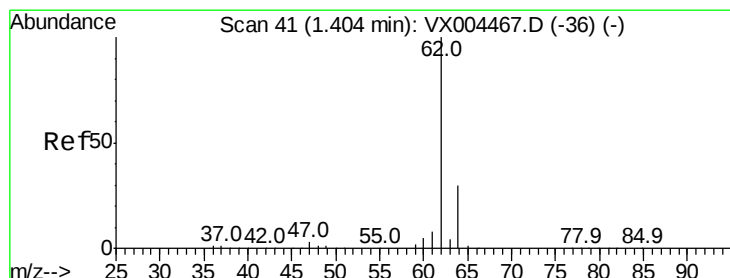
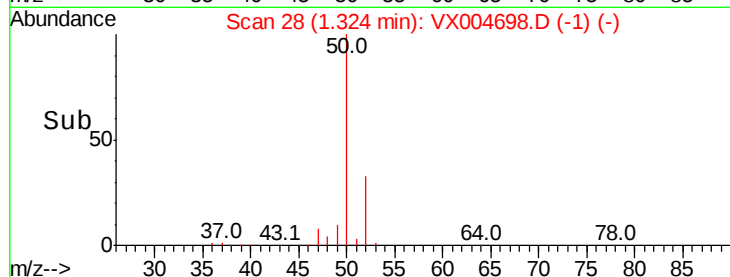
30000

20000

10000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 18.473 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004698.D

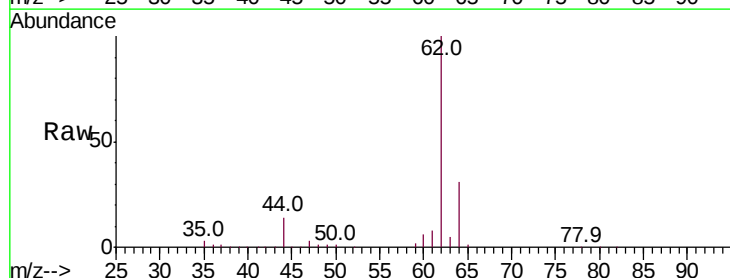
Acq: 19 Sep 2018 11:53

Tgt Ion: 62 Resp: 63070

Ion Ratio Lower Upper

62 100

64 30.5 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

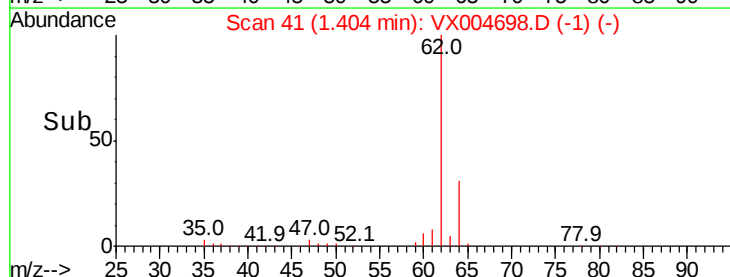
60000

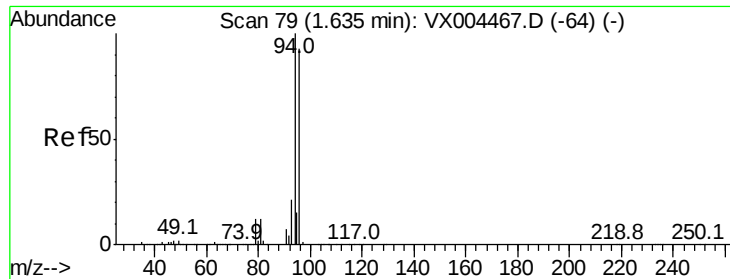
40000

20000

0

Time--> 1.40 1.50





#5

Bromomethane

Concen: 22.409 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

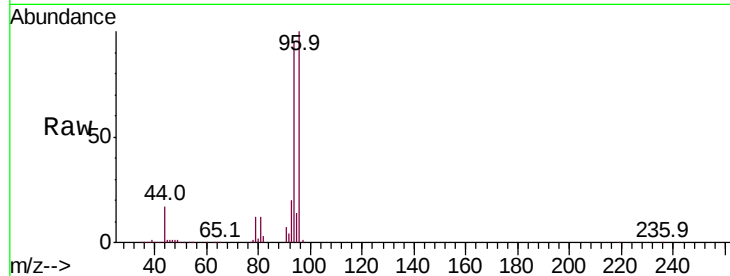
VX0919WBS01

Tot Ion: 94 Resp: 32968

Ion Ratio Lower Upper

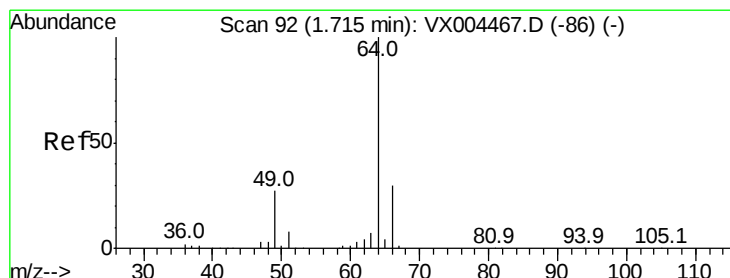
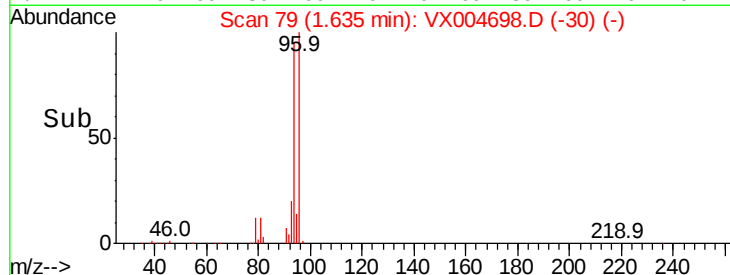
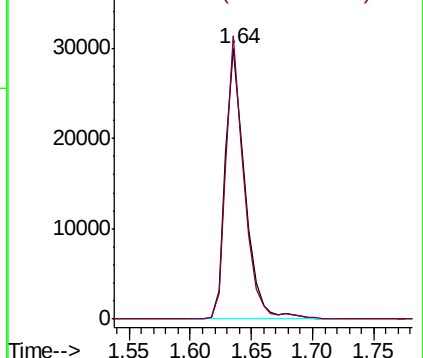
94 100

96 104.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.971 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004698.D

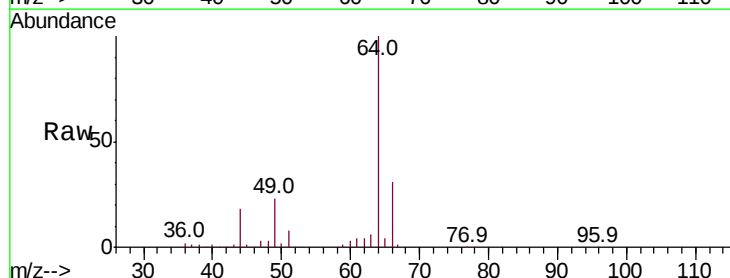
Acq: 19 Sep 2018 11:53

Tgt Ion: 64 Resp: 39678

Ion Ratio Lower Upper

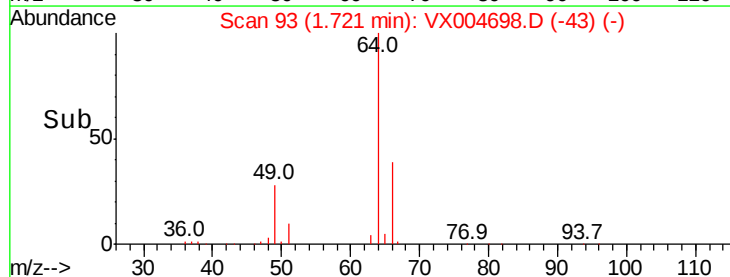
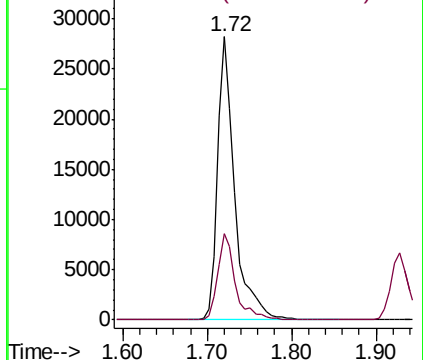
64 100

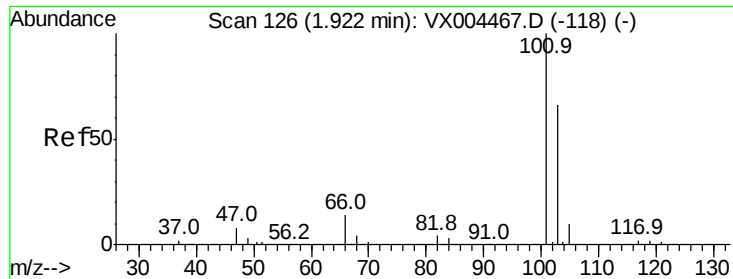
66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



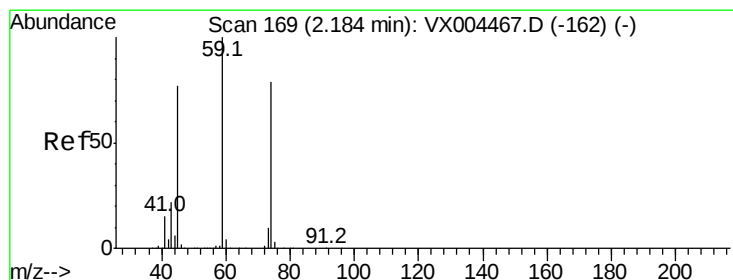
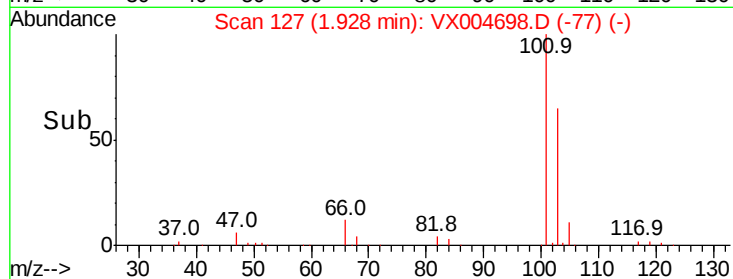
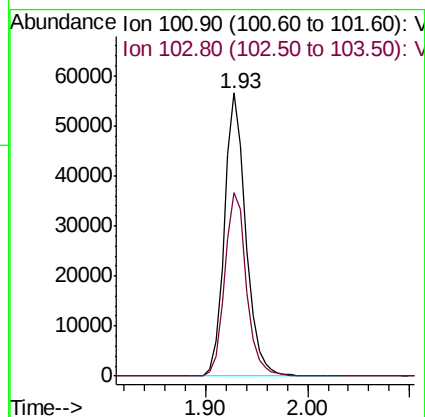
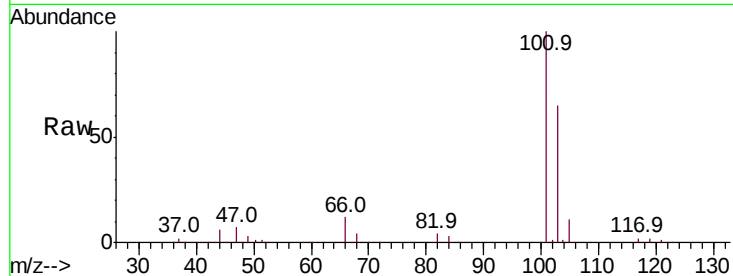


#7

Trichlorofluoromethane
 Concen: 18.173 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

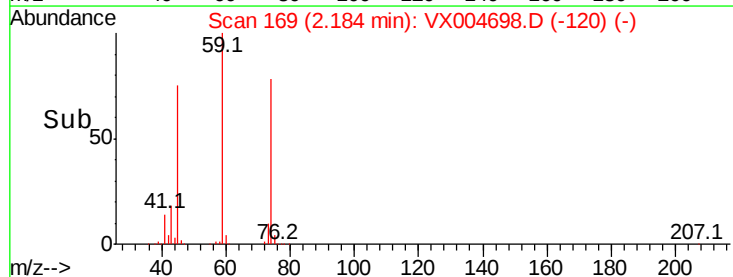
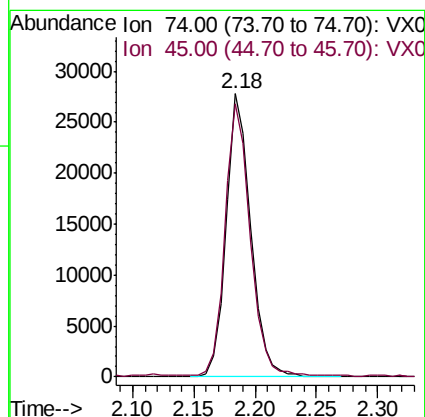
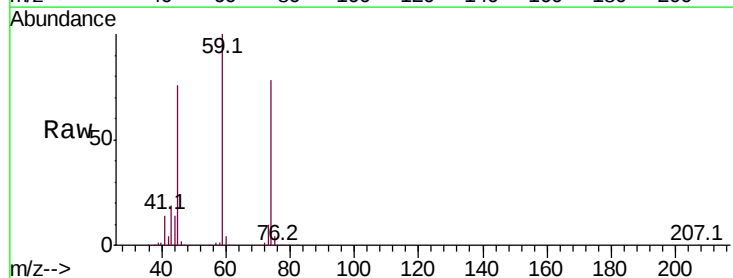
Tot Ion:101 Resp: 82256
 Ion Ratio Lower Upper
 101 100
 103 64.8 48.9 73.3

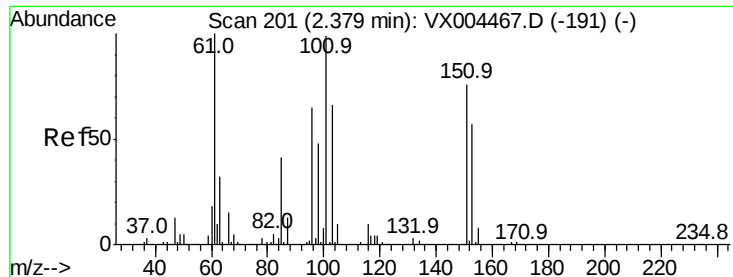


#8

Diethyl Ether
 Concen: 18.975 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion: 74 Resp: 38504
 Ion Ratio Lower Upper
 74 100
 45 97.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.657 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

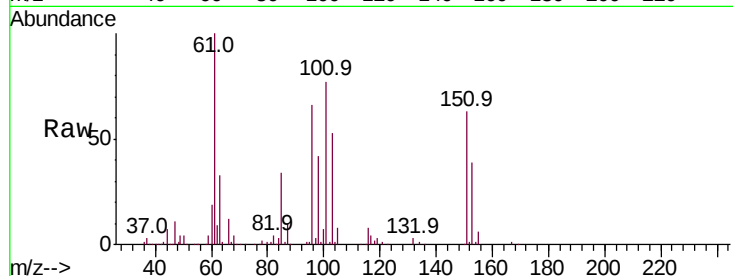
Tot Ion:101 Resp: 53571

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

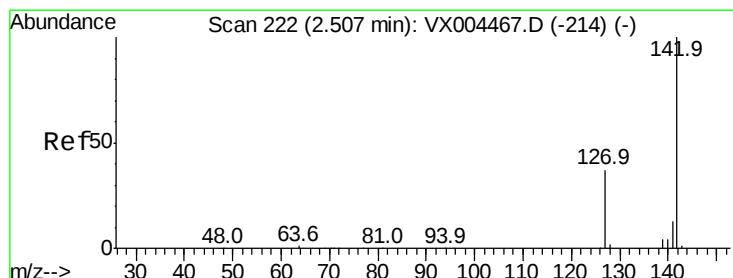
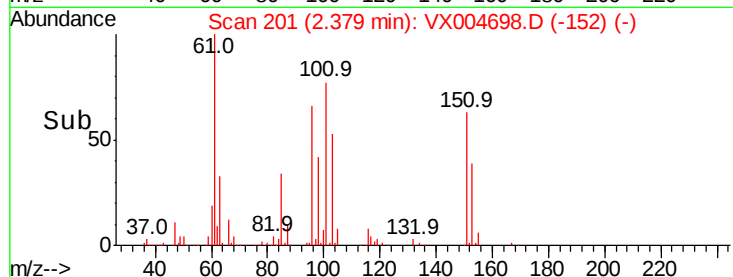
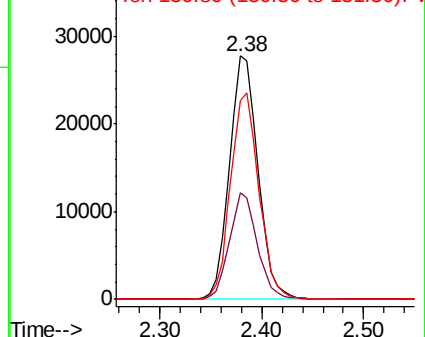
151 84.6 65.0 97.6



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: 17.639 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

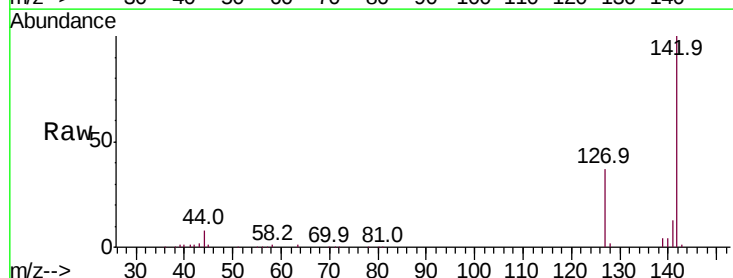
Tgt Ion:142 Resp: 50206

Ion Ratio Lower Upper

142 100

127 38.2 33.8 50.6

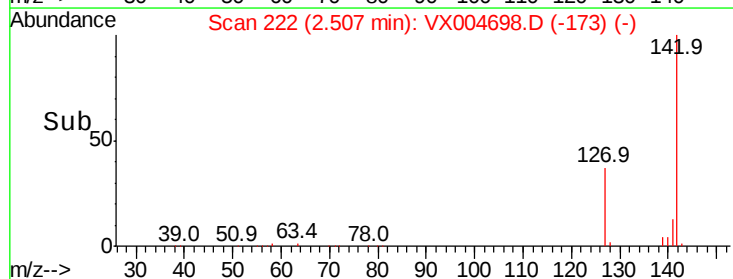
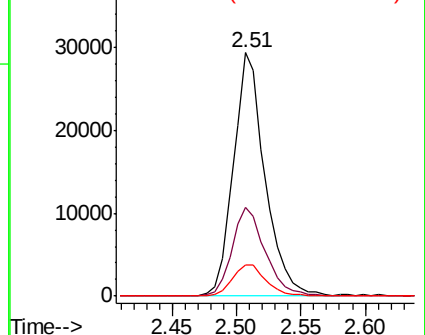
141 13.7 11.4 17.0

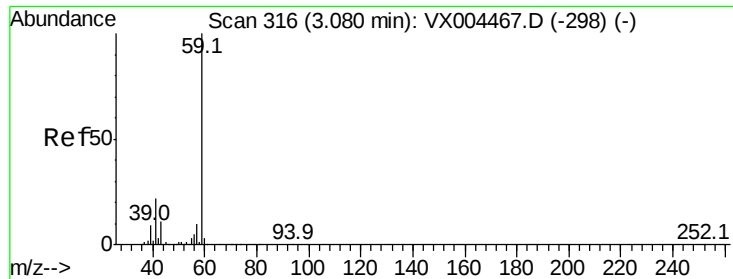


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



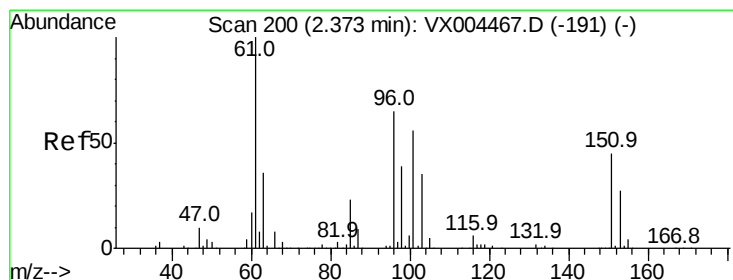
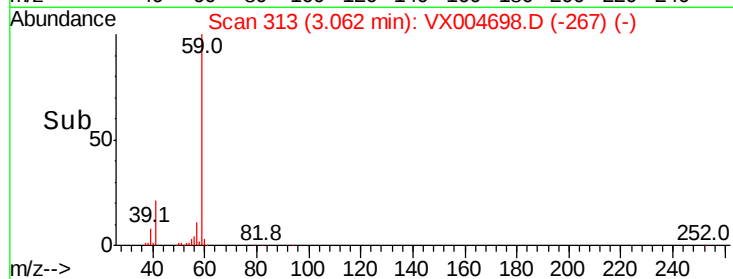
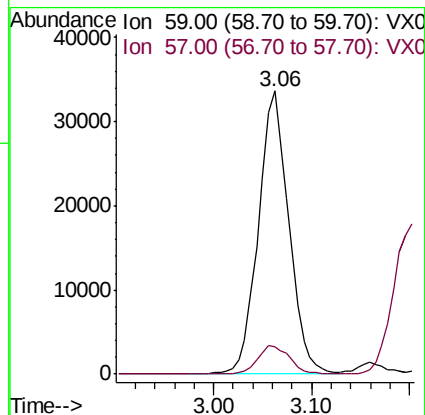
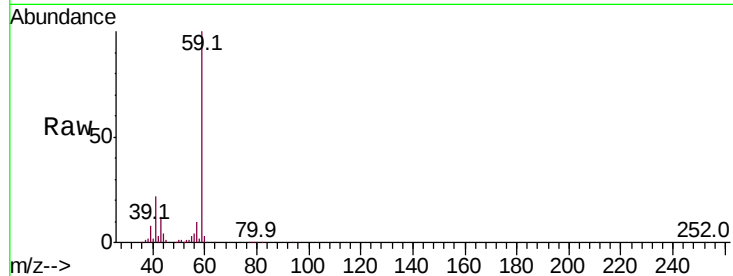


#11

Tert butyl alcohol
 Concen: 91.705 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

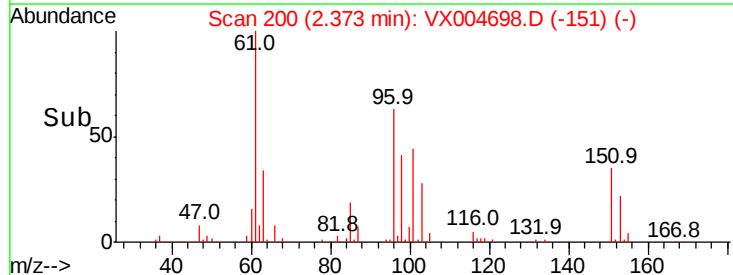
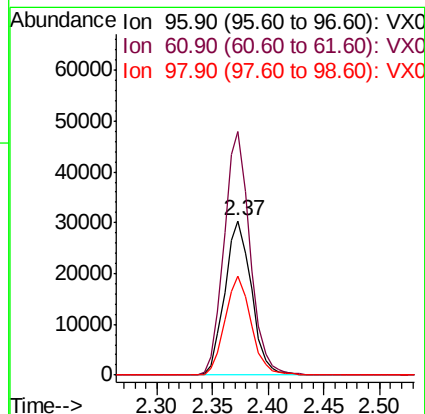
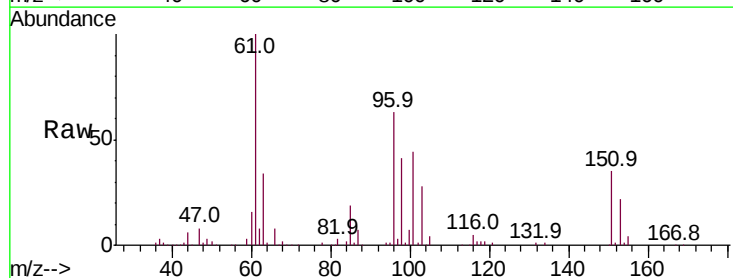
Tot Ion: 59 Resp: 72770
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

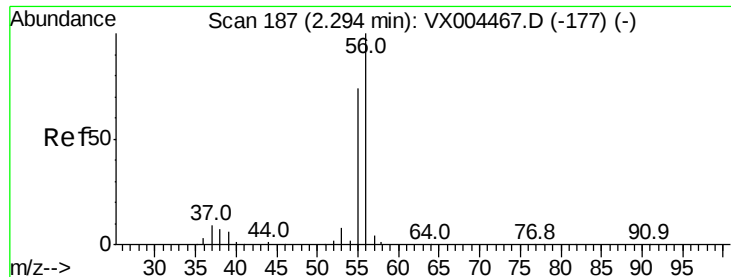


#12

1,1-Dichloroethene
 Concen: 18.736 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion: 96 Resp: 50491
 Ion Ratio Lower Upper
 96 100
 61 157.9 128.8 193.2
 98 64.4 52.2 78.2





#13

Acrolein

Concen: 59.760 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

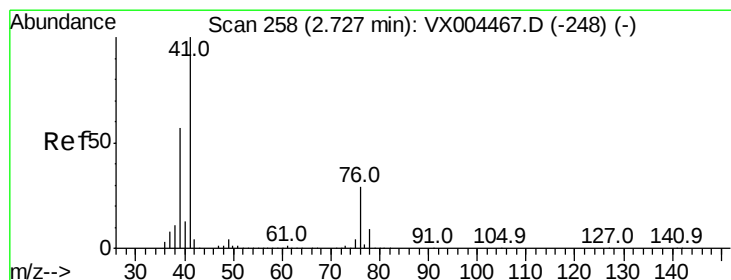
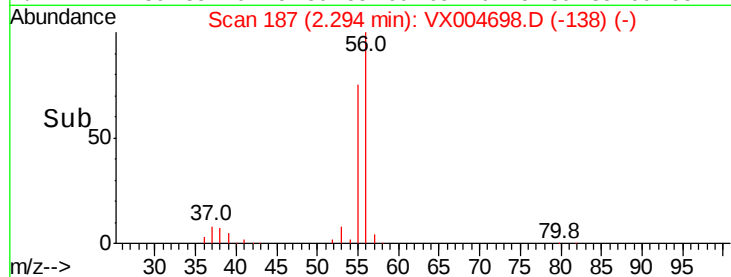
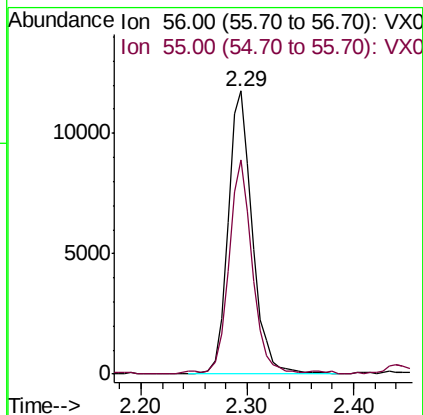
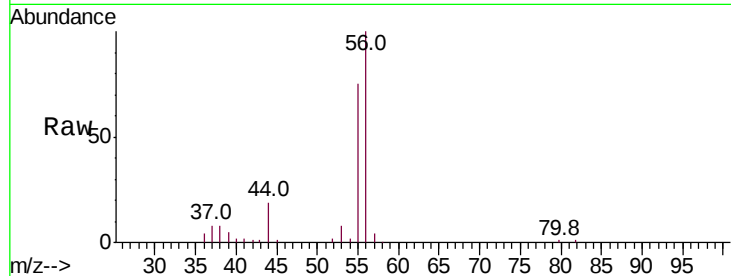
VX0919WBS01

Tot Ion: 56 Resp: 18719

Ion Ratio Lower Upper

56 100

55 73.8 54.7 82.1



#14

Allyl chloride

Concen: 17.732 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

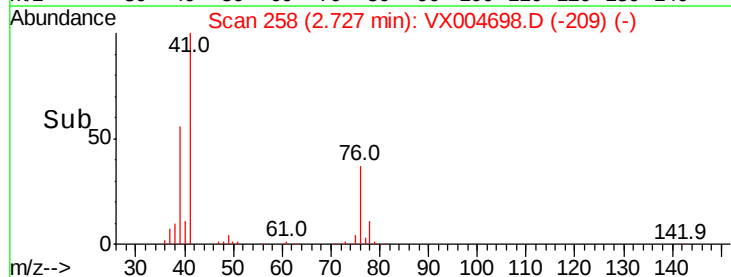
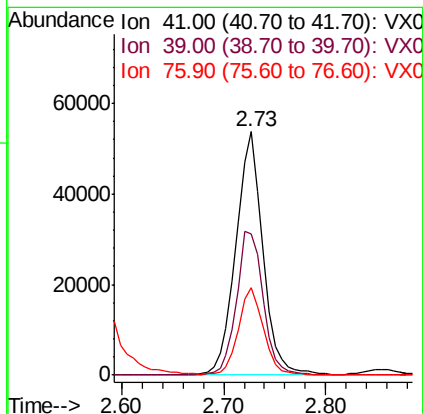
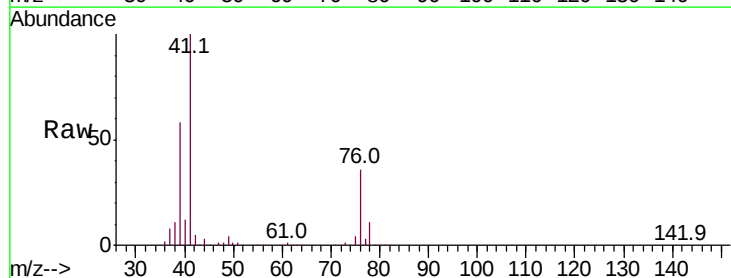
Tgt Ion: 41 Resp: 98238

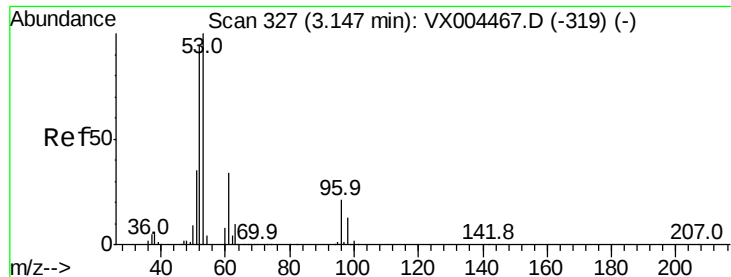
Ion Ratio Lower Upper

41 100

39 58.2 48.9 73.3

76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 89.669 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

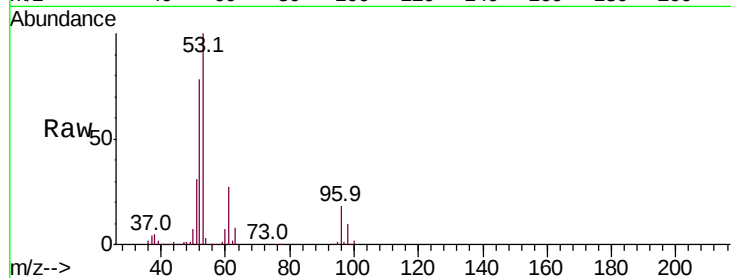
Tot Ion: 53 Resp: 171348

Ion Ratio Lower Upper

53 100

52 81.0 65.2 97.8

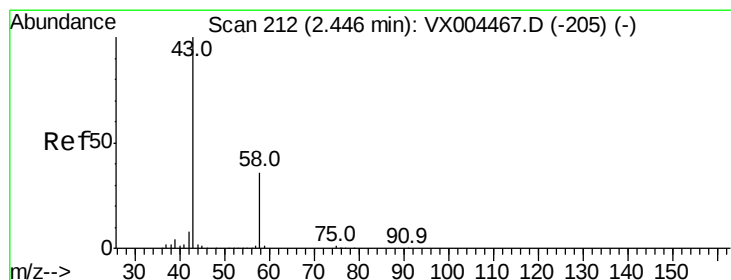
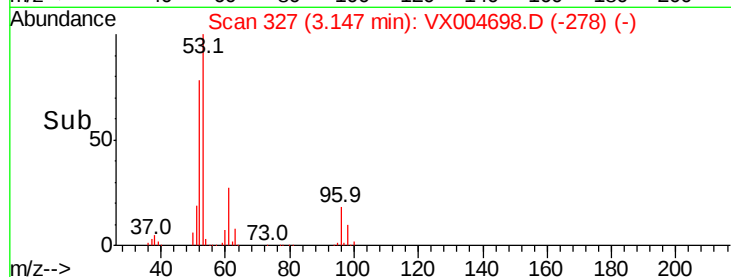
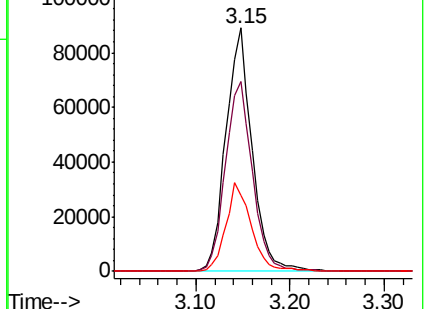
51 35.5 28.2 42.2



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: 84.581 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004698.D

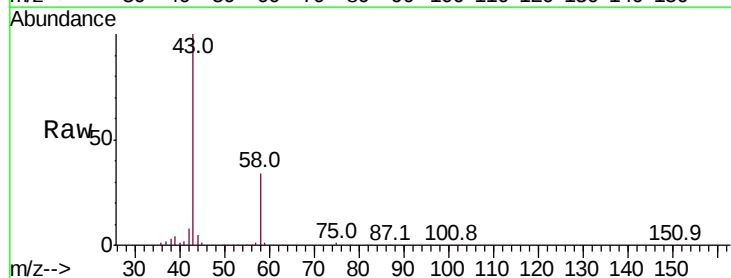
Acq: 19 Sep 2018 11:53

Tgt Ion: 43 Resp: 137284

Ion Ratio Lower Upper

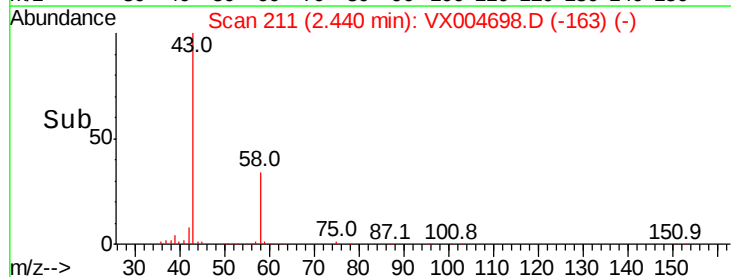
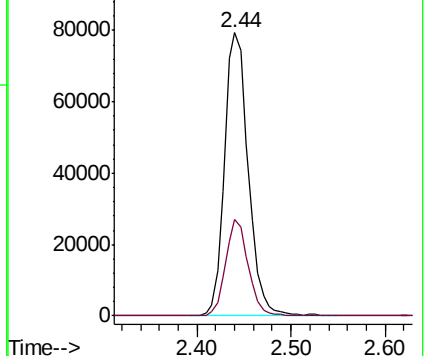
43 100

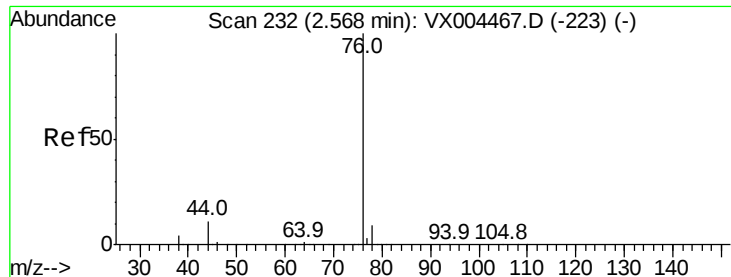
58 34.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.913 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

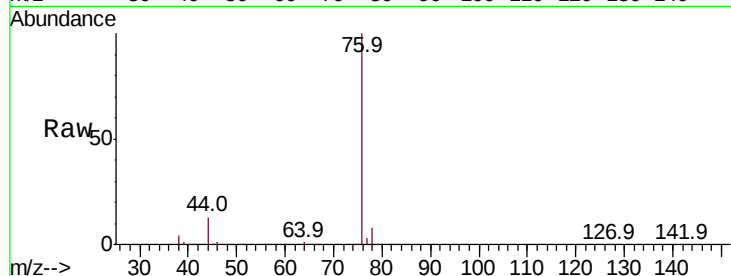
VX0919WBS01

Tot Ion: 76 Resp: 139528

Ion Ratio Lower Upper

76 100

78 8.1 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

80000

60000

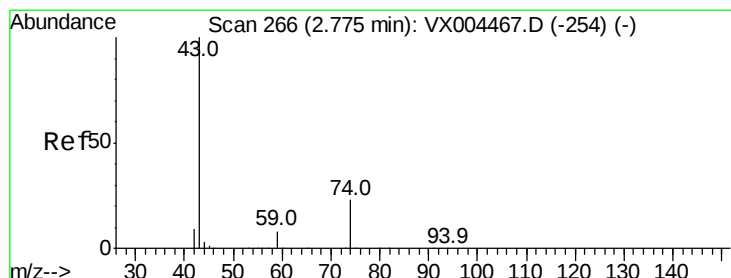
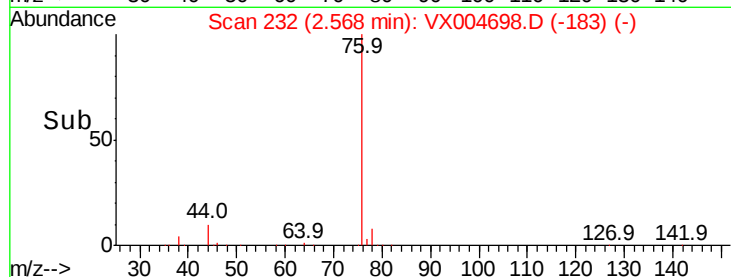
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 19.008 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004698.D

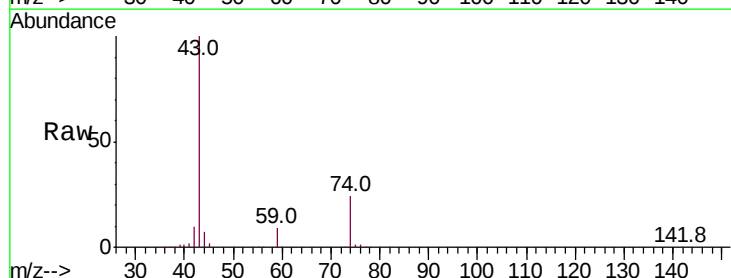
Acq: 19 Sep 2018 11:53

Tgt Ion: 43 Resp: 86560

Ion Ratio Lower Upper

43 100

74 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

30000

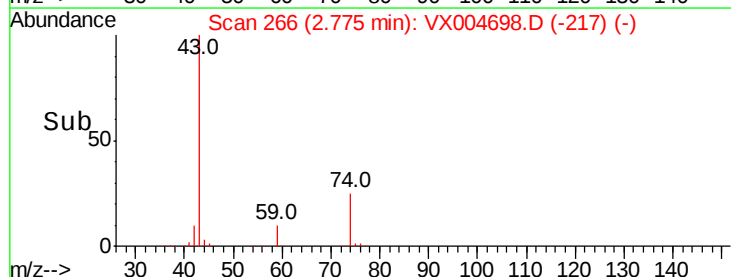
20000

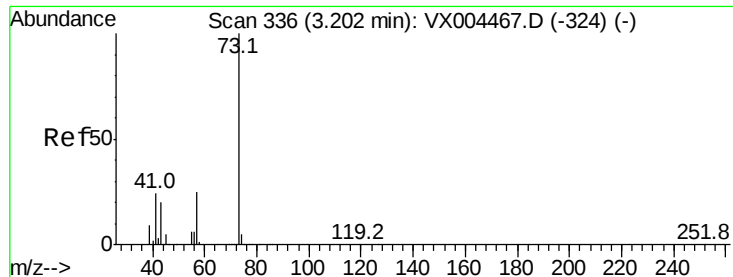
10000

0

Time-->

2.70 2.75 2.80 2.85



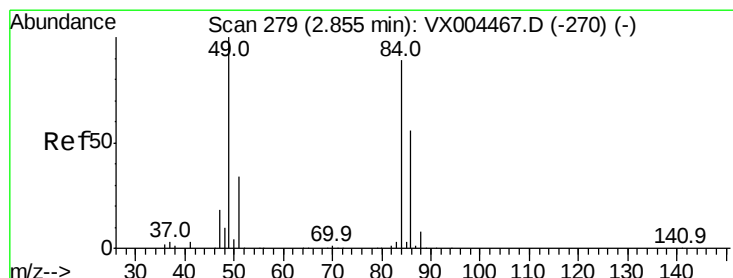
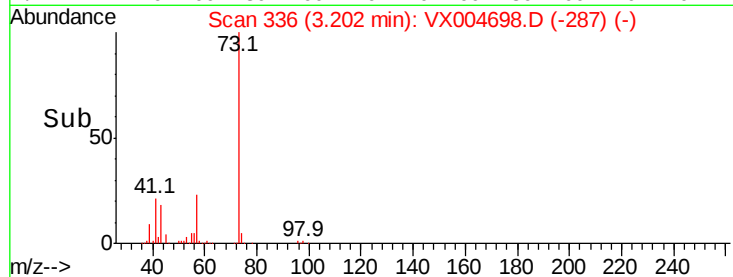
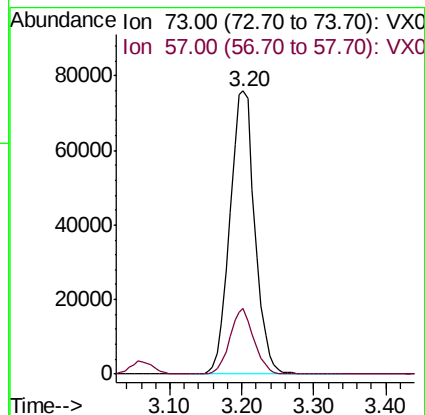
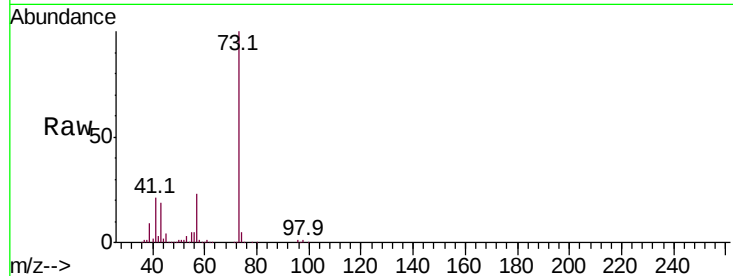


#19

Methyl tert-butyl Ether
 Concen: 19.378 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

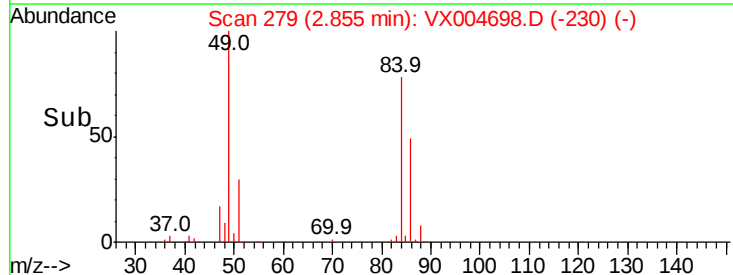
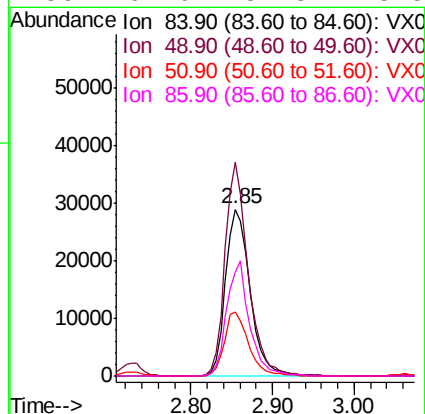
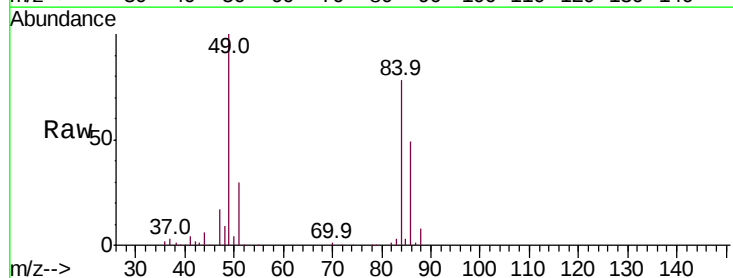
Tot Ion: 73 Resp: 183228
 Ion Ratio Lower Upper
 73 100
 57 23.5 17.1 25.7

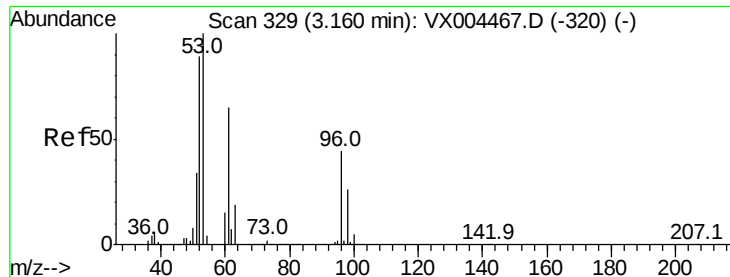


#20

Methylene Chloride
 Concen: 18.122 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion: 84 Resp: 60341
 Ion Ratio Lower Upper
 84 100
 49 128.2 101.2 151.8
 51 38.2 29.5 44.3
 86 62.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.170 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

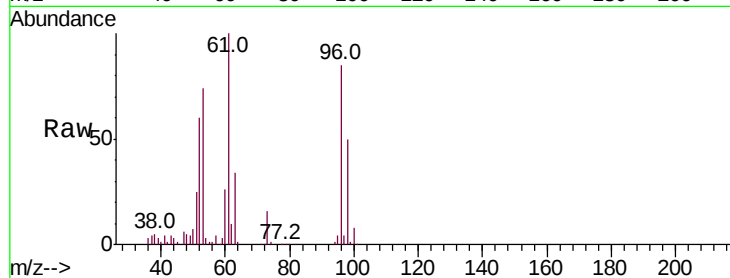
Tot Ion: 96 Resp: 57086

Ion Ratio Lower Upper

96 100

61 118.3 113.8 170.6

98 58.7 51.8 77.8

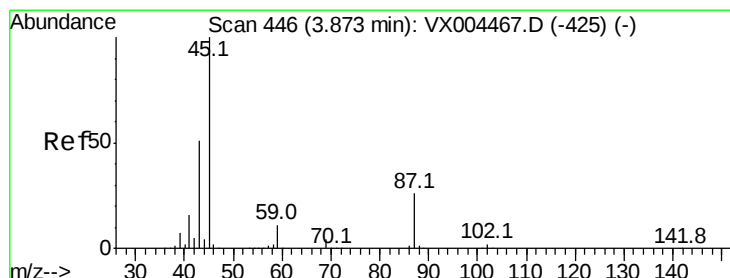
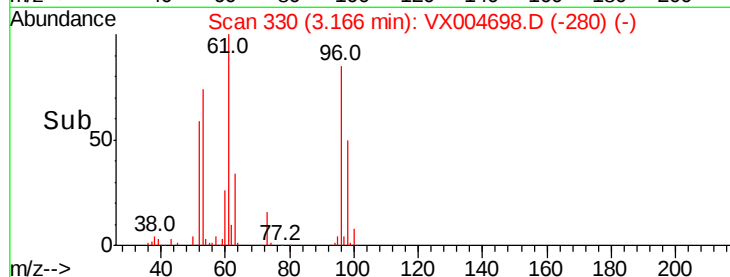
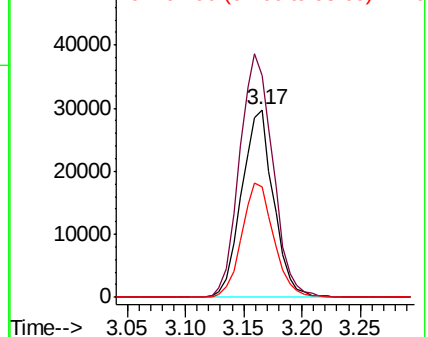


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.851 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion: 45 Resp: 188105

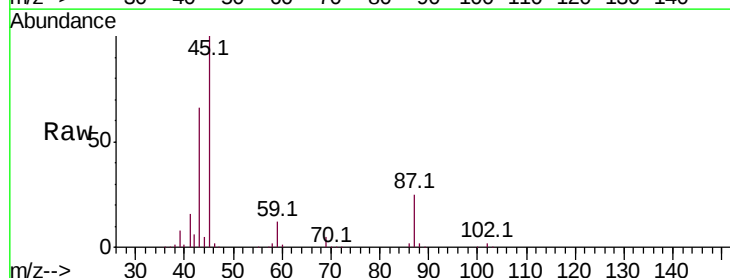
Ion Ratio Lower Upper

45 100

43 66.2 42.8 64.2#

87 25.3 22.6 34.0

59 11.8 9.6 14.4



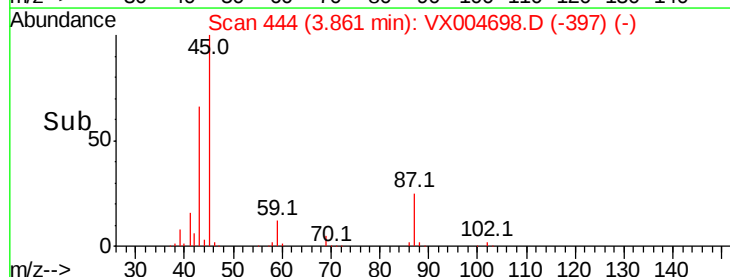
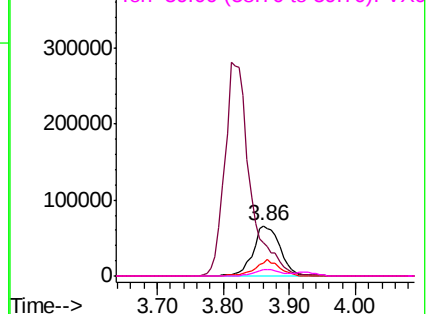
Abundance

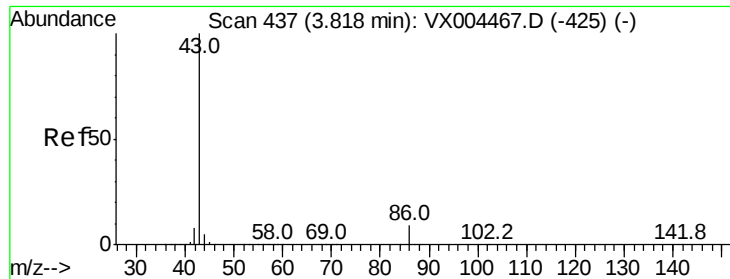
Ion 45.00 (44.70 to 45.70): VX0

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: 93.094 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

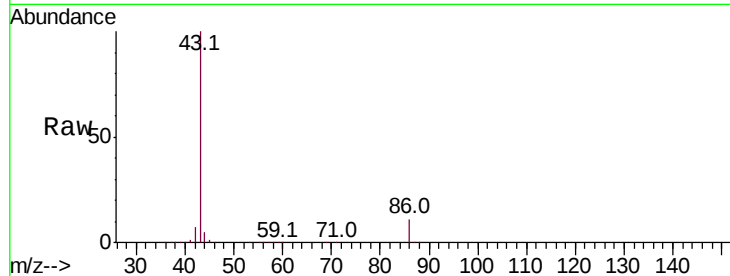
VX0919WBS01

Tot Ion: 43 Resp: 751737

Ion Ratio Lower Upper

43 100

86 10.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

300000

250000

200000

150000

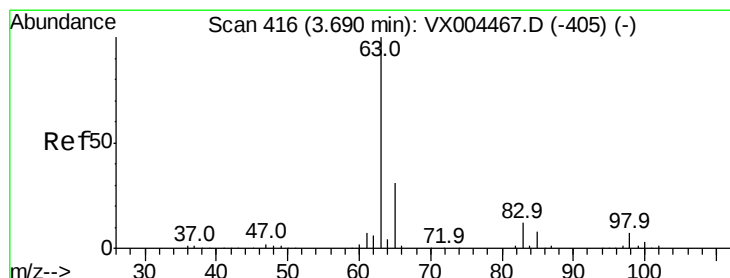
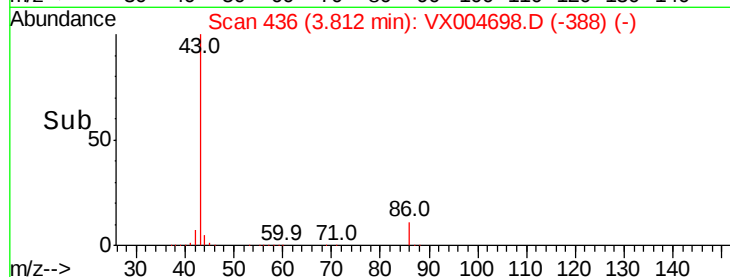
100000

50000

0

Time-->

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 19.885 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

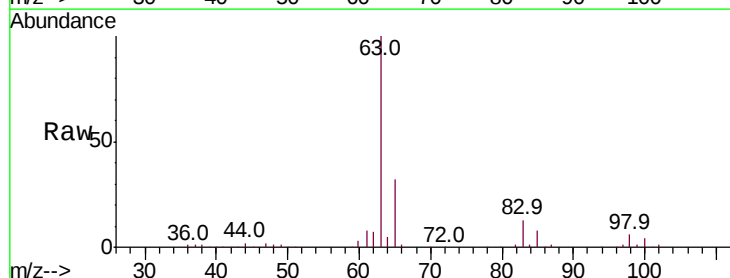
Tgt Ion: 63 Resp: 112024

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

30000

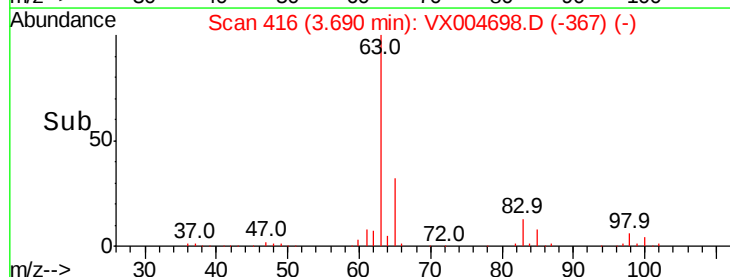
20000

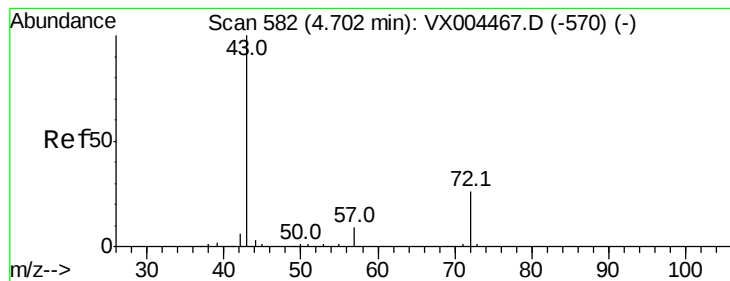
10000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 83.536 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

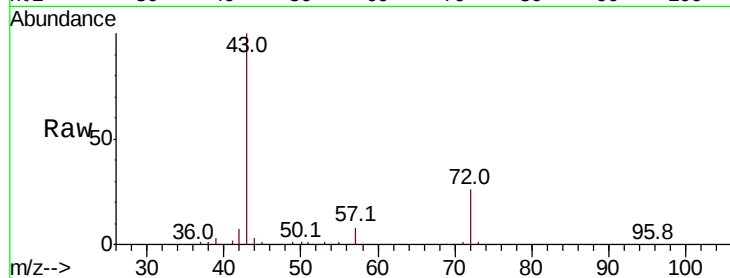
VX0919WBS01

Tot Ion: 43 Resp: 215790

Ion Ratio Lower Upper

43 100

72 25.8 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

40000

20000

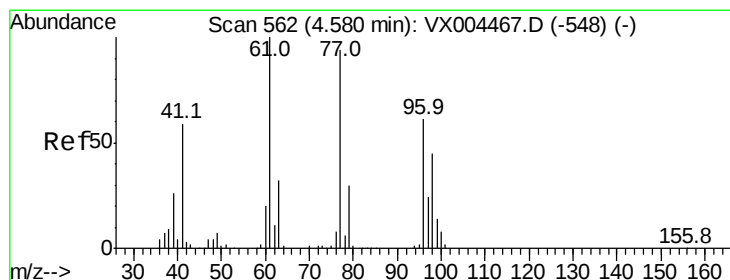
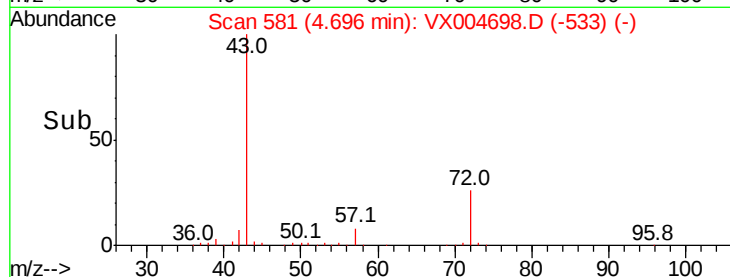
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 21.119 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004698.D

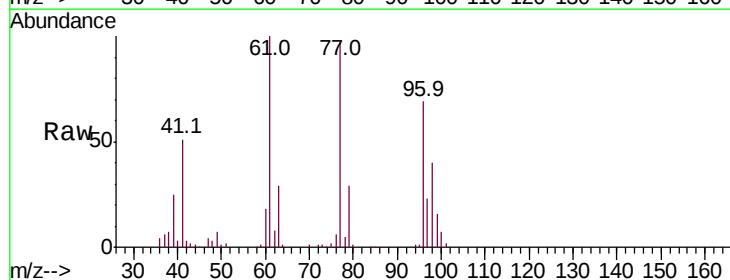
Acq: 19 Sep 2018 11:53

Tgt Ion: 77 Resp: 81717

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

10000

5000

0

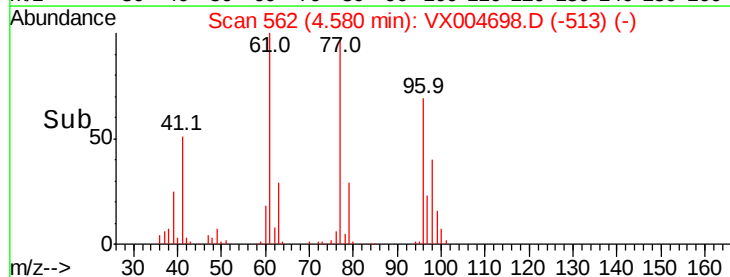
4.40

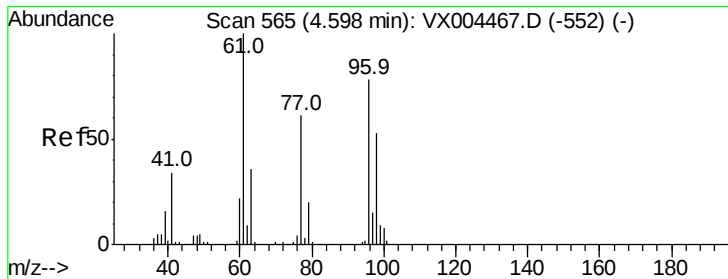
4.50

4.60

4.70

Time-->



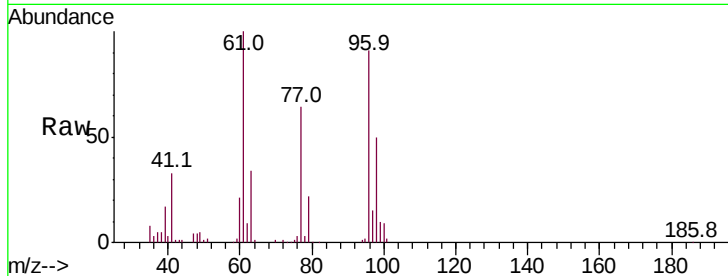


#27

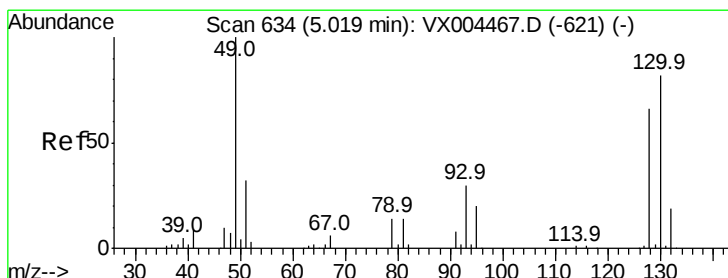
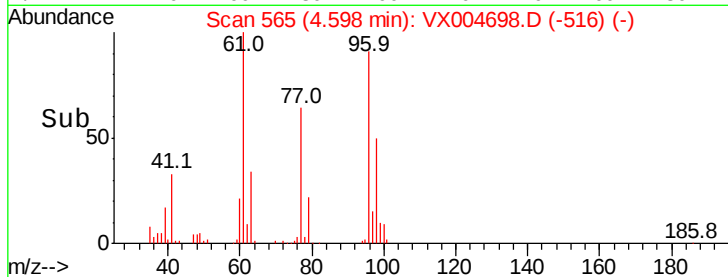
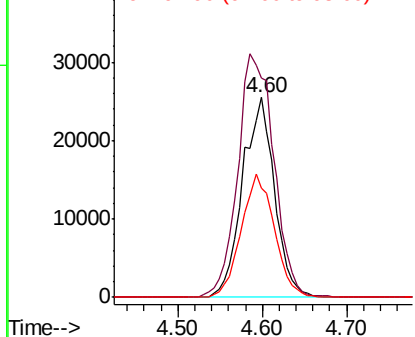
cis-1,2-Dichloroethene
 Concen: 19.685 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion: 96 Resp: 65438
 Ion Ratio Lower Upper
 96 100
 61 137.6 0.0 282.6
 98 63.9 0.0 130.2



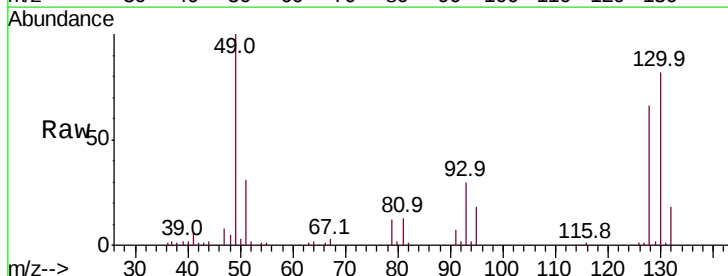
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



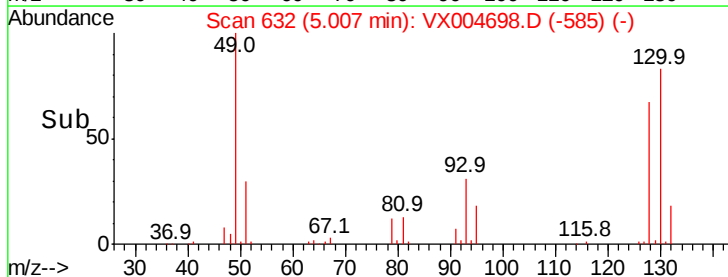
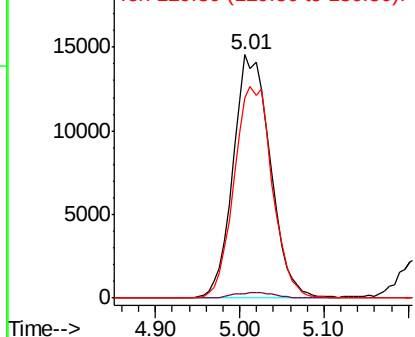
#28

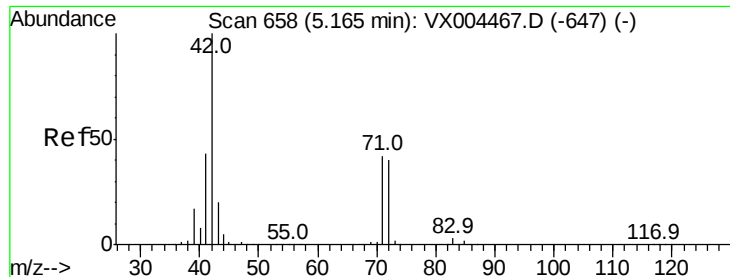
Bromochloromethane
 Concen: 16.892 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion: 49 Resp: 43530
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.2
 130 89.1 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: 89.327 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

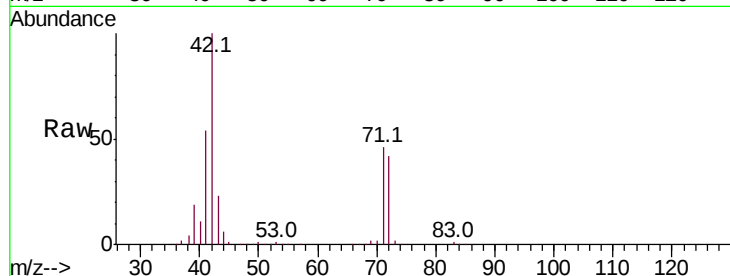
Tot Ion: 42 Resp: 139156

Ion Ratio Lower Upper

42 100

72 45.0 37.4 56.0

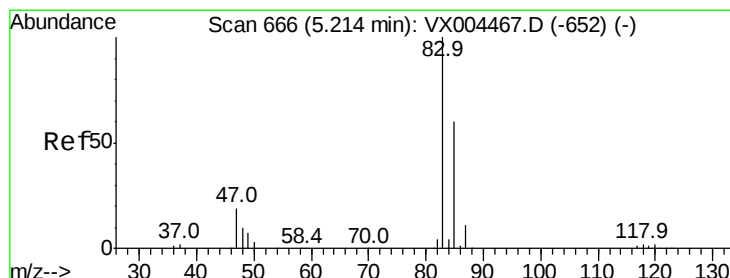
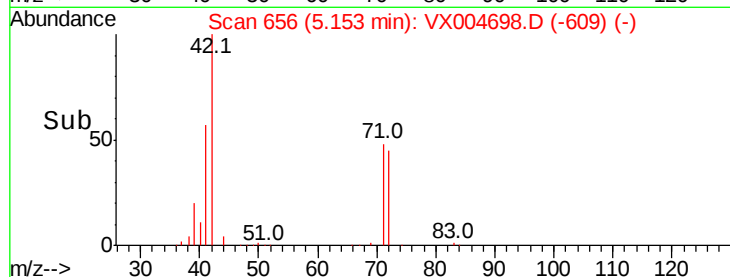
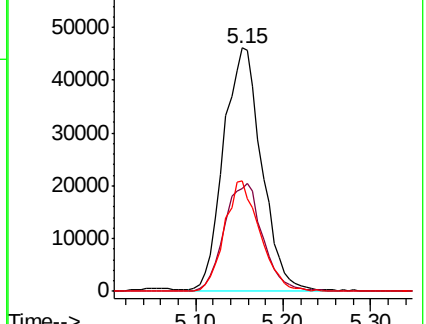
71 42.5 34.5 51.7



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: 18.509 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX004698.D

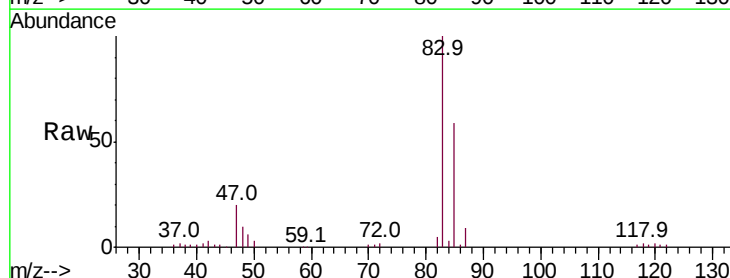
Acq: 19 Sep 2018 11:53

Tgt Ion: 83 Resp: 101800

Ion Ratio Lower Upper

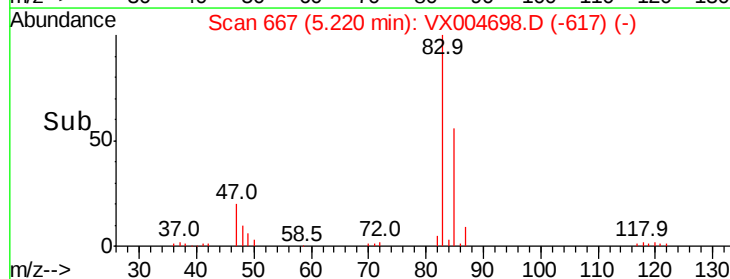
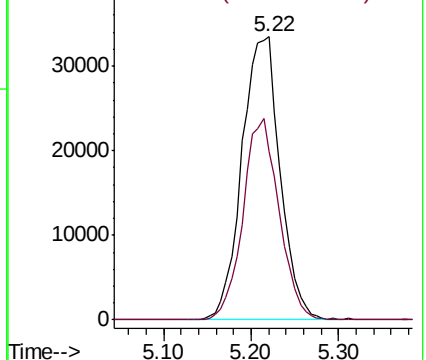
83 100

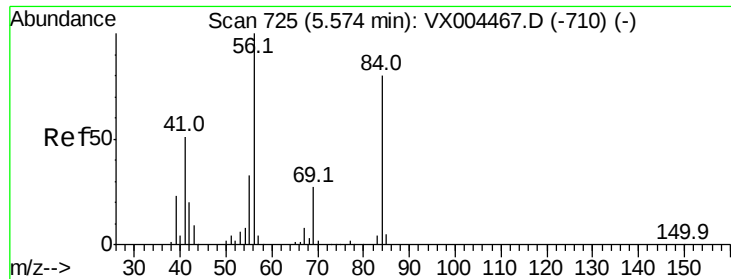
85 59.4 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.597 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

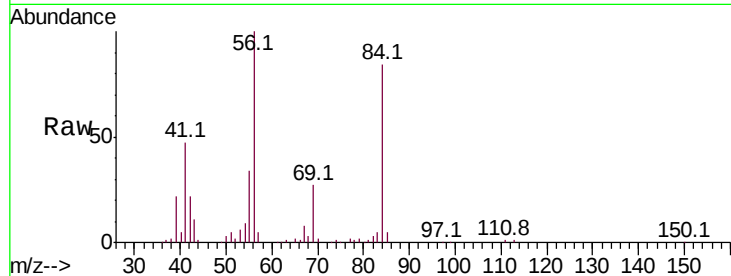
Tot Ion: 56 Resp: 94271

Ion Ratio Lower Upper

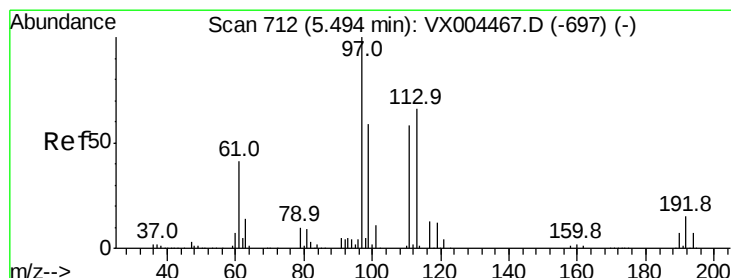
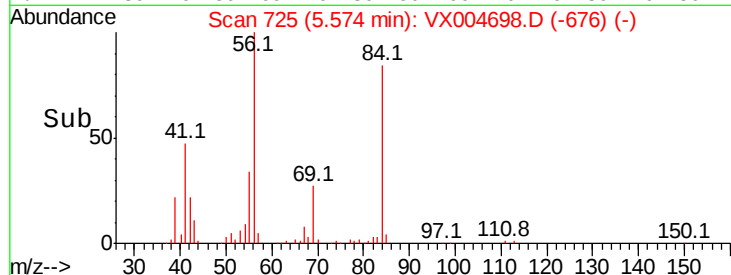
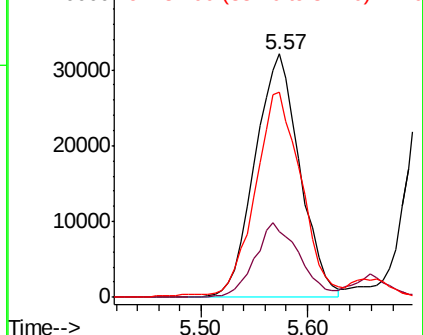
56 100

69 27.2 25.4 38.2

84 83.0 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: 19.801 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

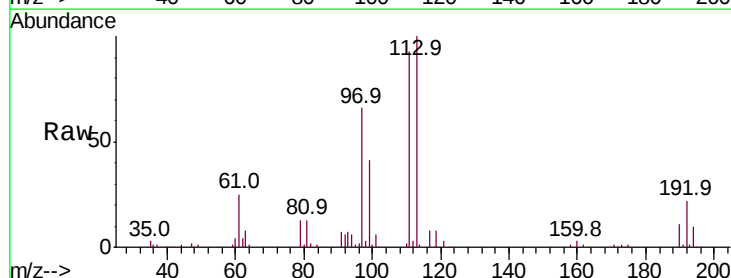
Tgt Ion: 97 Resp: 87716

Ion Ratio Lower Upper

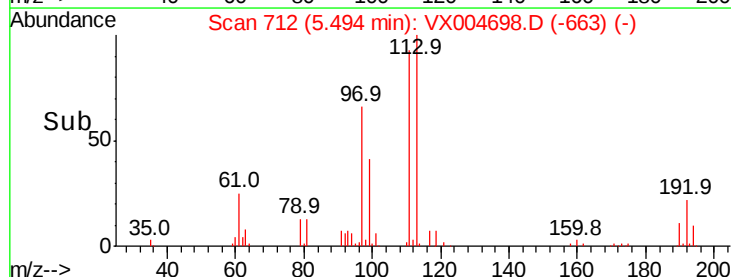
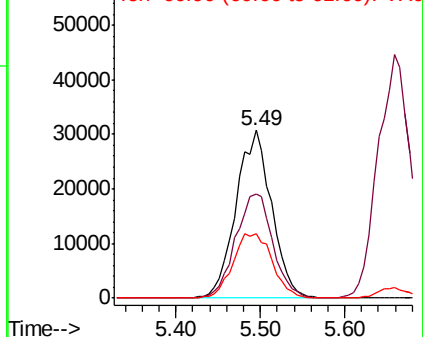
97 100

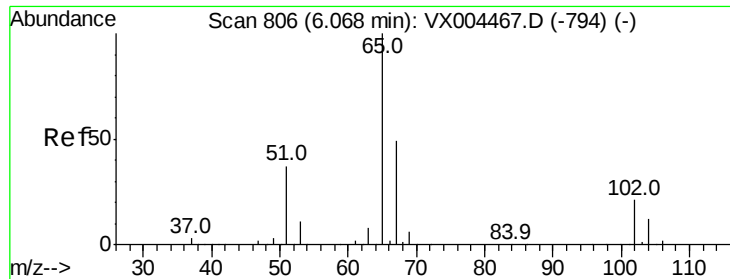
99 64.6 52.0 78.0

61 42.6 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: 42.469 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

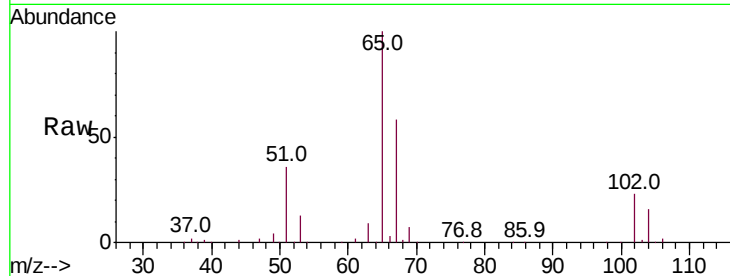
VX0919WBS01

Tot Ion: 65 Resp: 141233

Ion Ratio Lower Upper

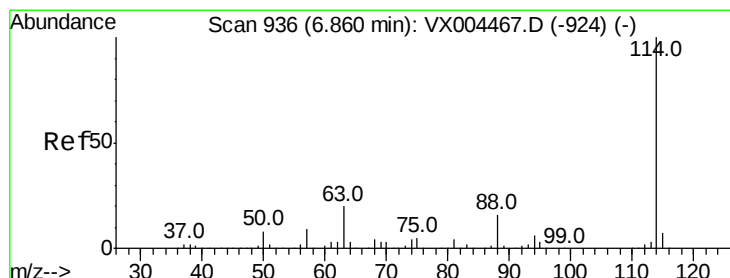
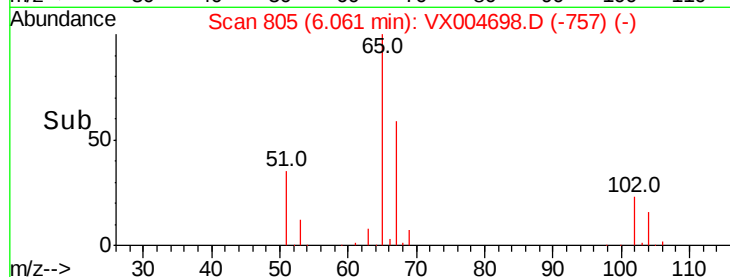
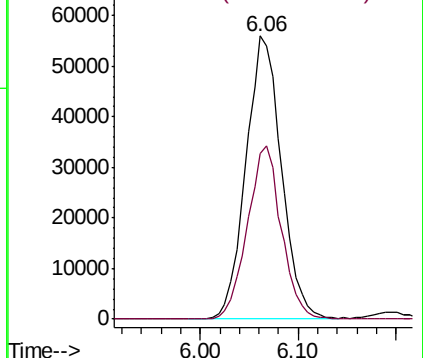
65 100

67 58.7 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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

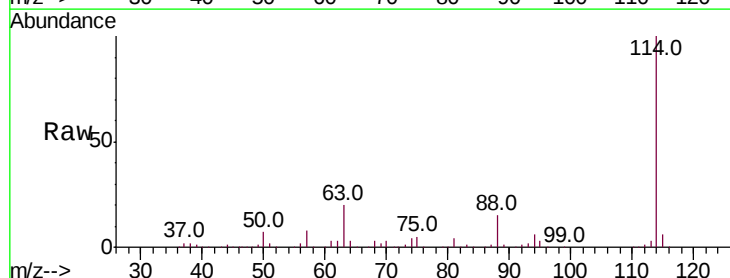
Tgt Ion: 114 Resp: 320682

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

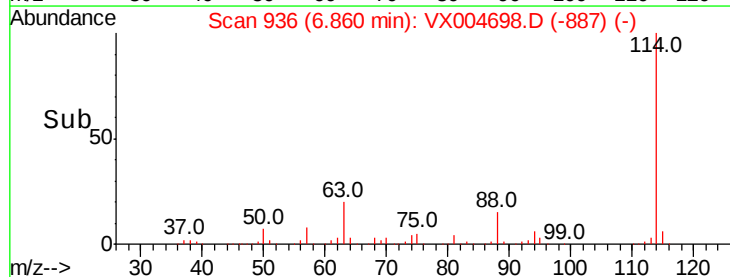
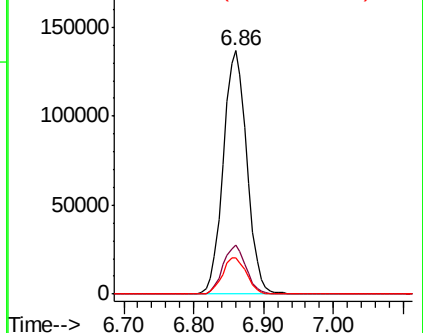
88 15.1 0.0 30.4

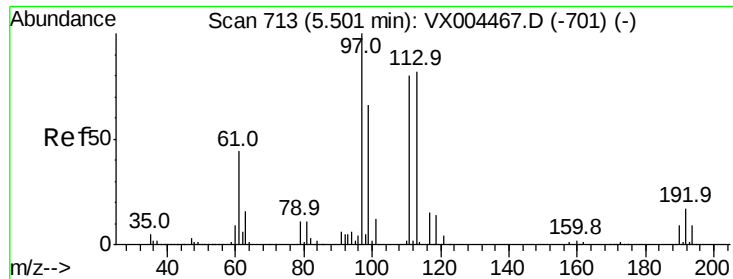


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

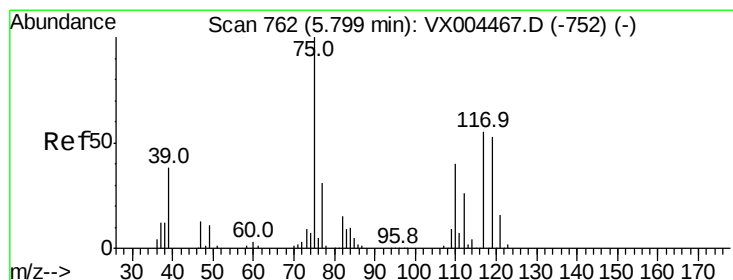
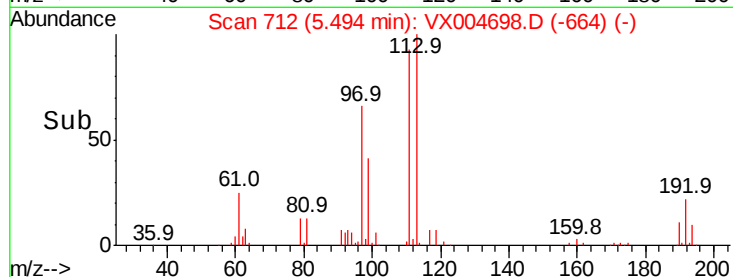
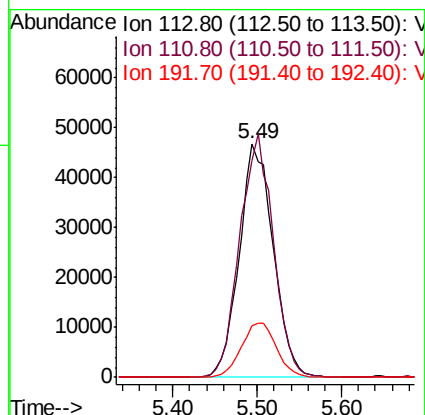
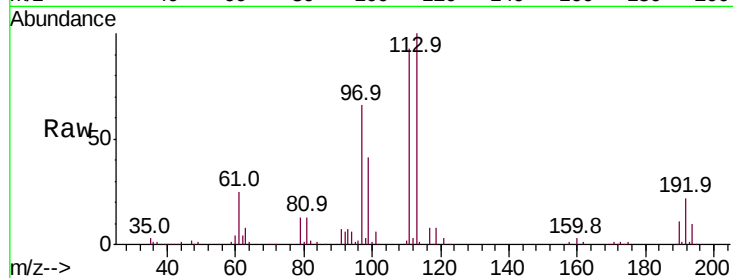




#35
Dibromofluoromethane
Concen: 43.499 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

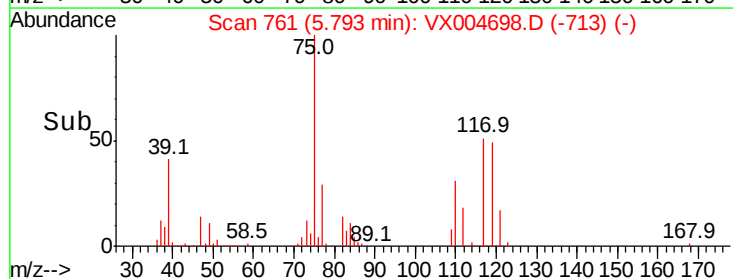
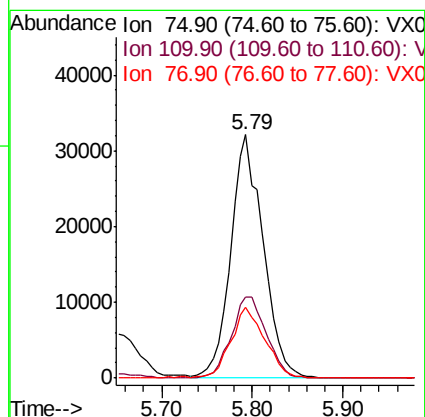
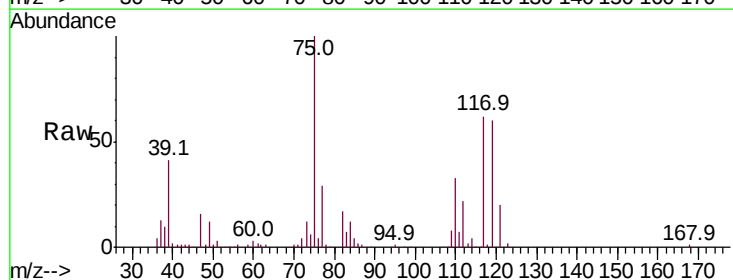
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

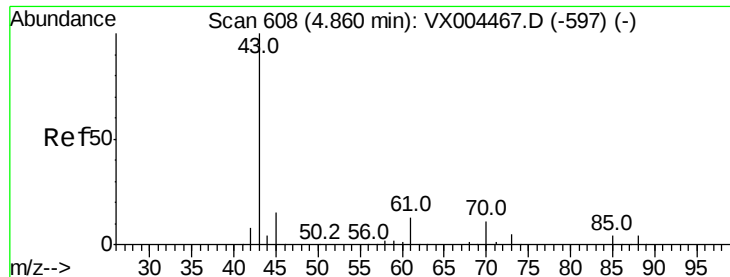
Tot Ion:113 Resp: 127650
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 24.0 19.4 29.2



#36
1,1-Dichloropropene
Concen: 20.405 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 75 Resp: 79442
Ion Ratio Lower Upper
75 100
110 36.3 18.0 54.0
77 30.5 24.6 36.8

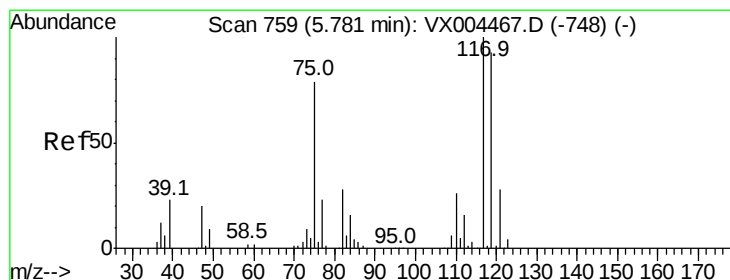
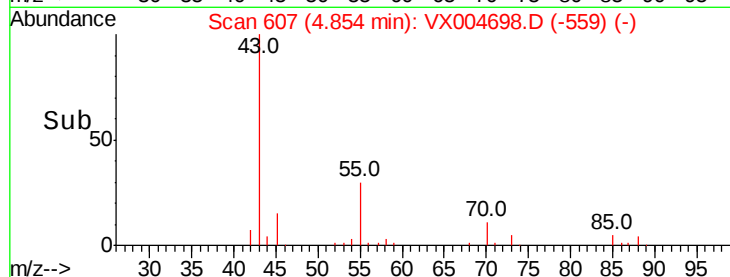
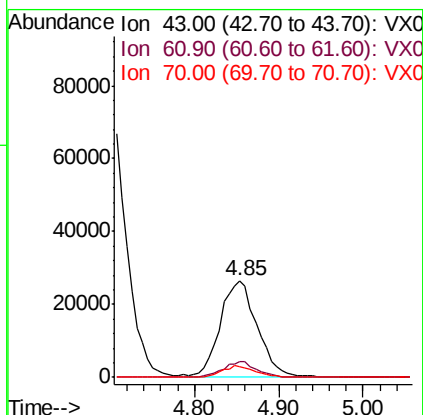
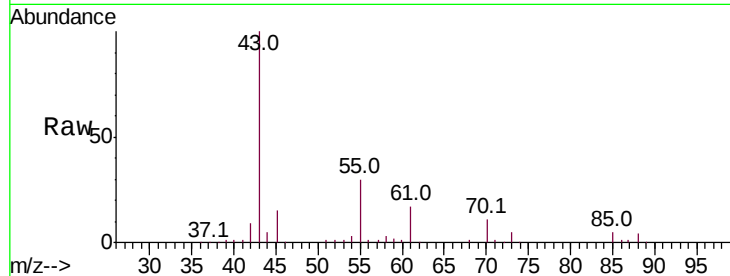




#37
Ethyl Acetate
Concen: 17.756 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

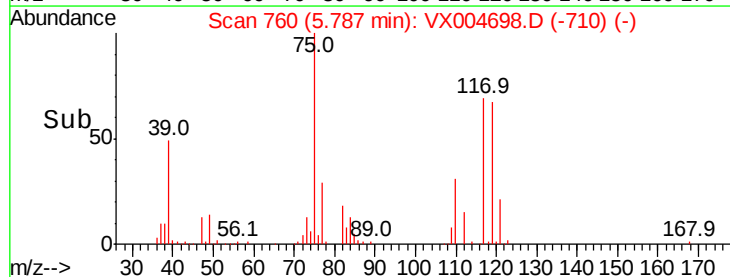
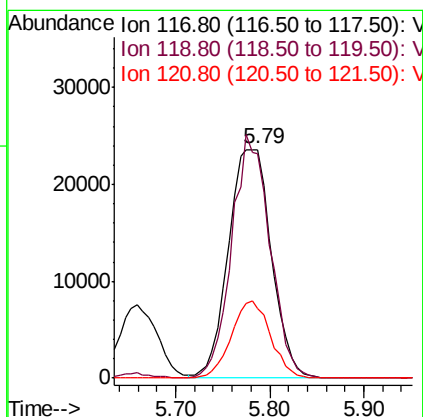
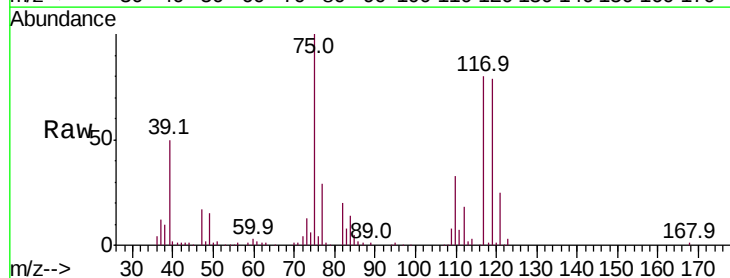
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

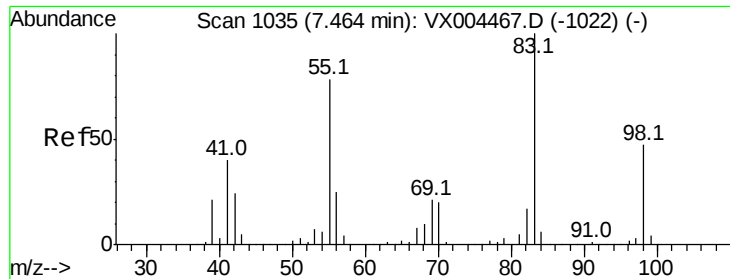
Tot Ion: 43 Resp: 78622
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 11.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.814 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 117 Resp: 75346
Ion Ratio Lower Upper
117 100
119 98.4 78.8 118.2
121 30.6 24.9 37.3

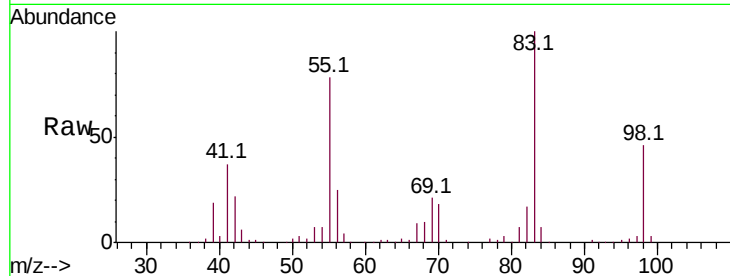




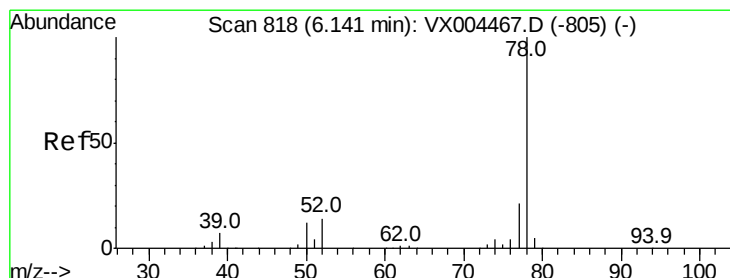
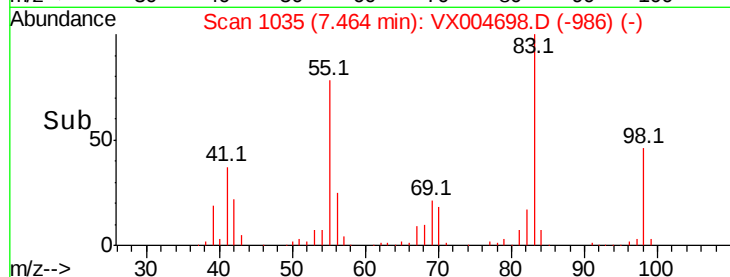
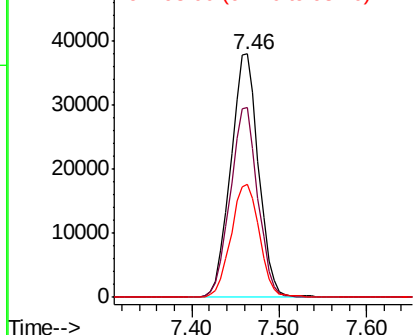
#39
Methvlcvclohexane
Concen: 20.753 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion: 83 Resp: 84312
Ion Ratio Lower Upper
83 100
55 77.9 61.0 91.4
98 46.2 39.6 59.4

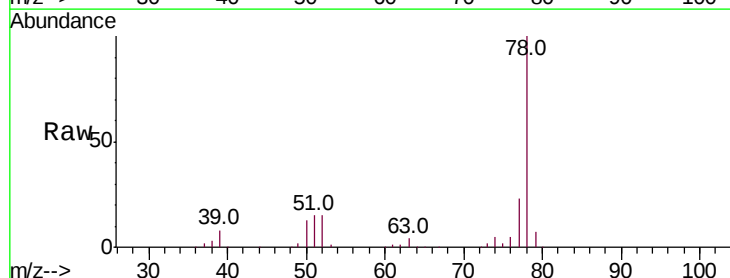


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

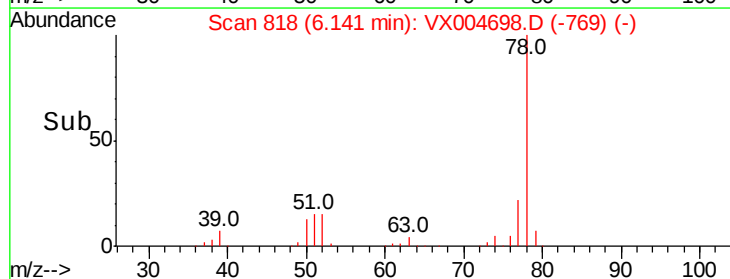
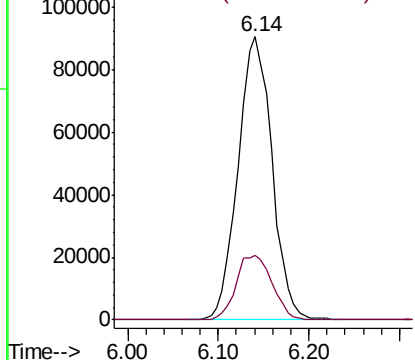


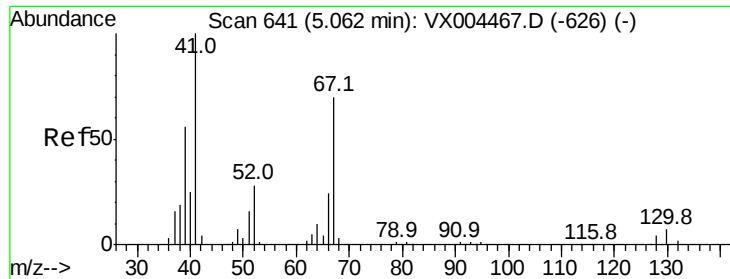
#40
Benzene
Concen: 20.395 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 78 Resp: 235595
Ion Ratio Lower Upper
78 100
77 23.0 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: 18.889 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

Tot Ion: 41 Resp: 46084

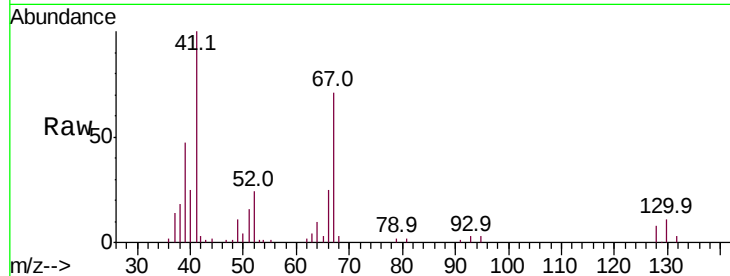
Ion Ratio Lower Upper

41 100

39 52.7 42.4 63.6

67 74.5 59.2 88.8

52 29.0 23.0 34.4

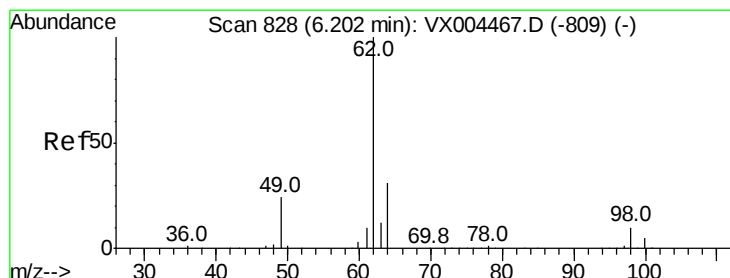
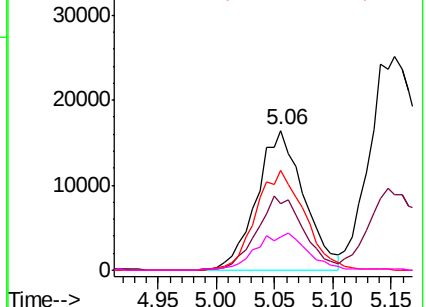
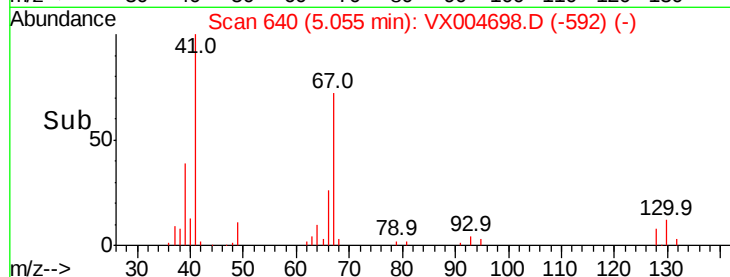


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.988 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX004698.D

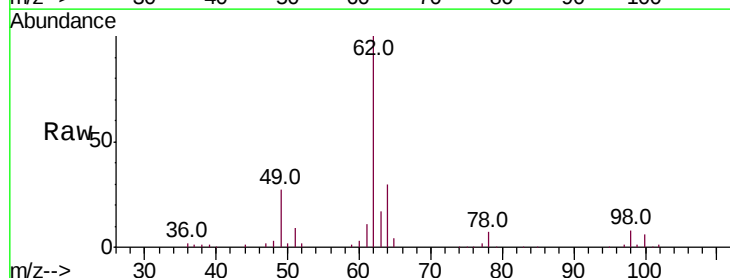
Acq: 19 Sep 2018 11:53

Tgt Ion: 62 Resp: 76578

Ion Ratio Lower Upper

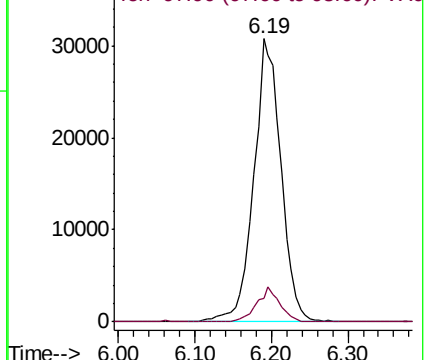
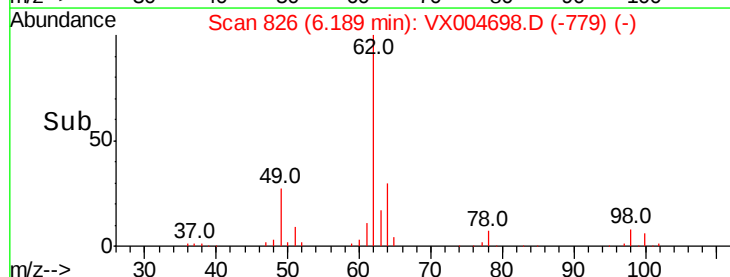
62 100

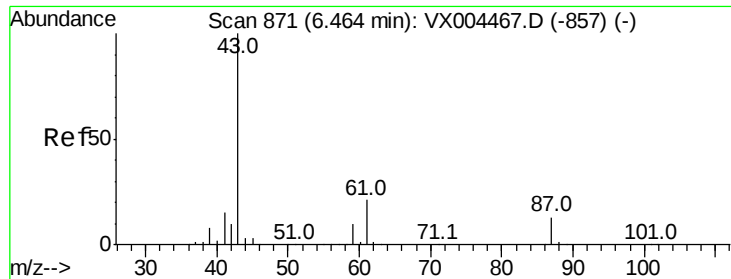
98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.092 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

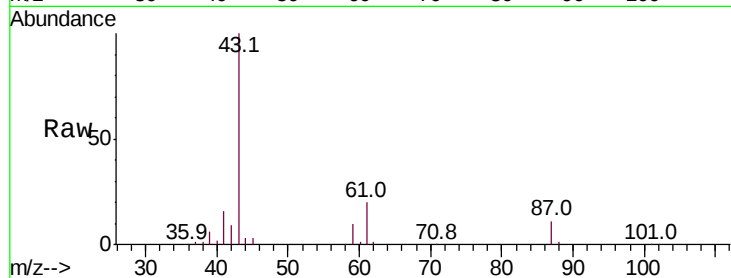
Tot Ion: 43 Resp: 118167

Ion Ratio Lower Upper

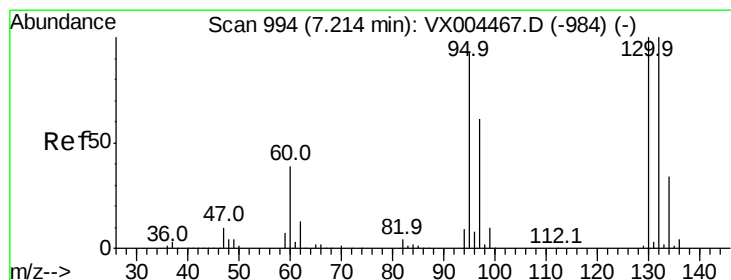
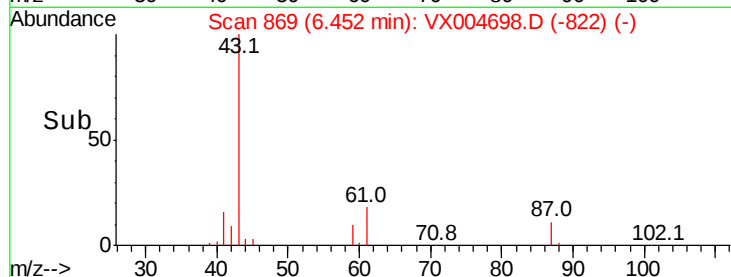
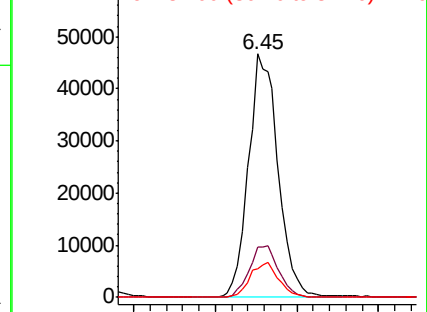
43 100

61 21.0 17.0 25.4

87 13.9 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: 21.251 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004698.D

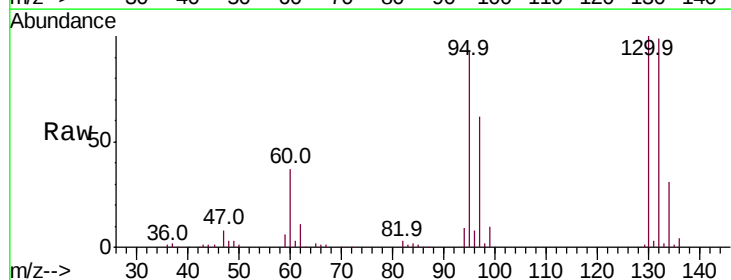
Acq: 19 Sep 2018 11:53

Tgt Ion:130 Resp: 63776

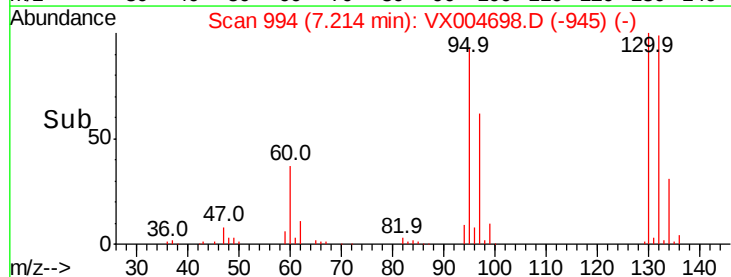
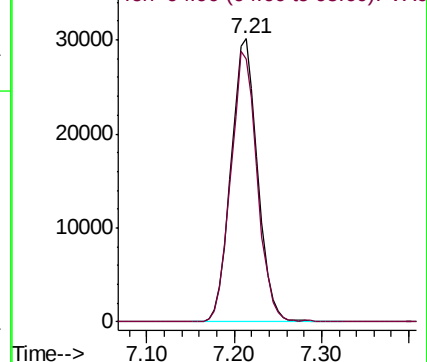
Ion Ratio Lower Upper

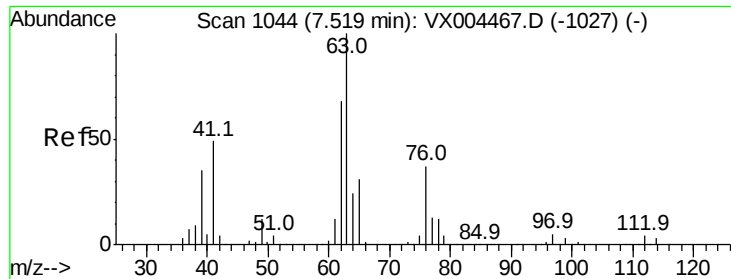
130 100

95 93.0 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: 20.491 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

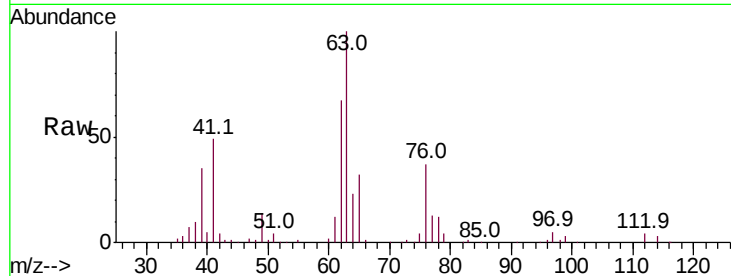
VX0919WBS01

Tot Ion: 63 Resp: 56955

Ion Ratio Lower Upper

63 100

65 32.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

30000

25000

20000

15000

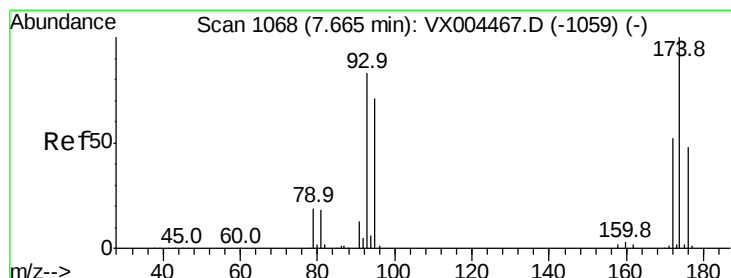
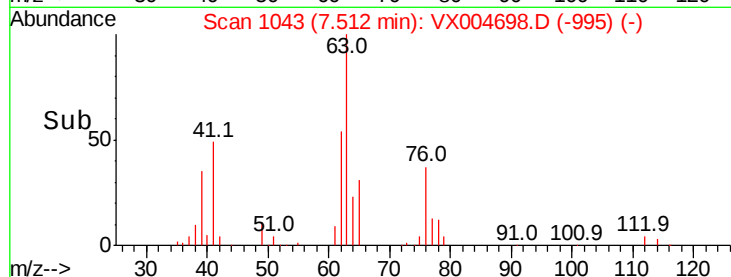
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 20.524 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

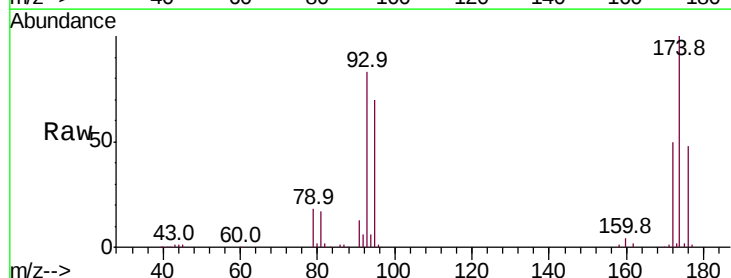
Tgt Ion: 93 Resp: 36040

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

174 123.9 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

15000

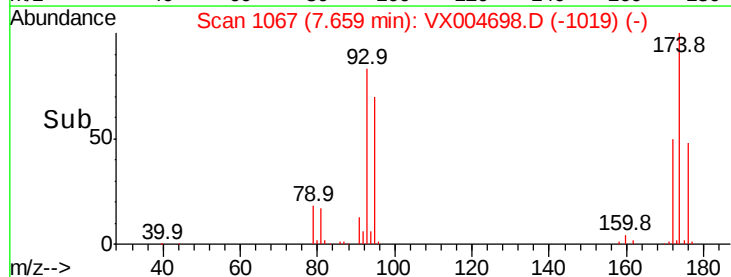
10000

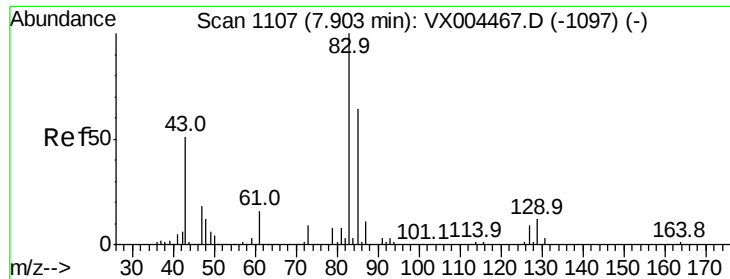
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 20.087 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

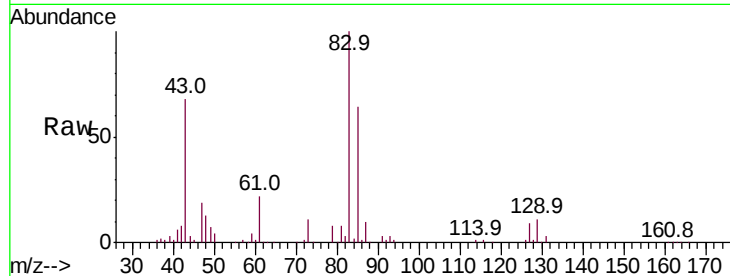
Tot Ion: 83 Resp: 66703

Ion Ratio Lower Upper

83 100

85 64.1 50.9 76.3

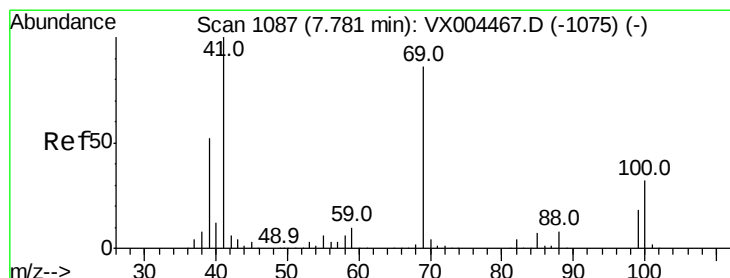
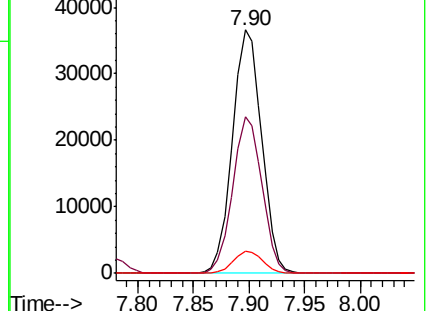
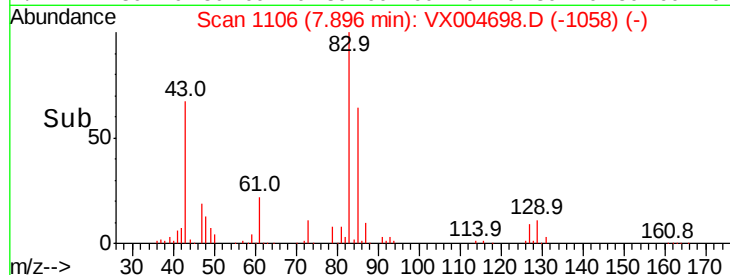
127 9.0 7.3 10.9



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: 19.567 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

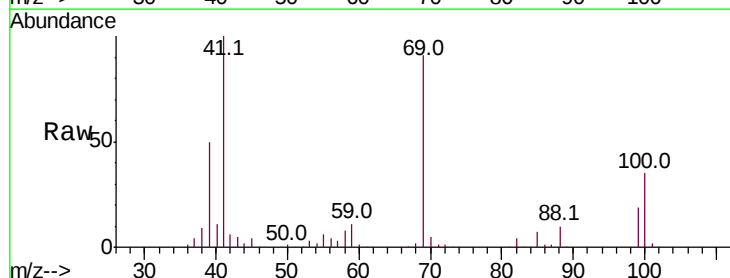
Tgt Ion: 41 Resp: 56950

Ion Ratio Lower Upper

41 100

69 89.3 70.2 105.4

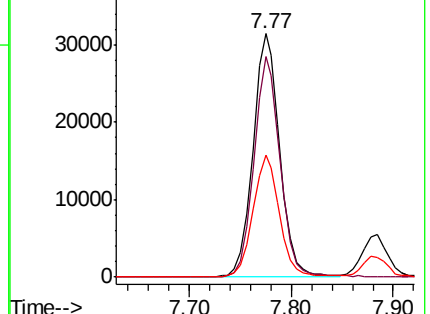
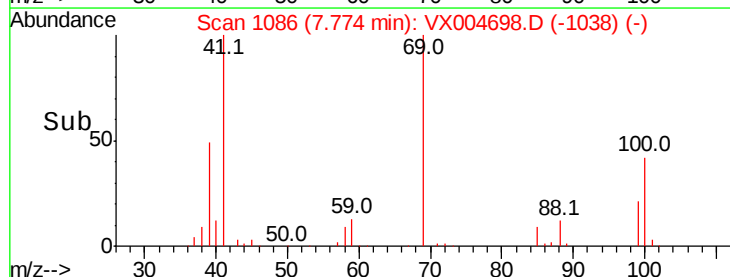
39 50.1 42.7 64.1

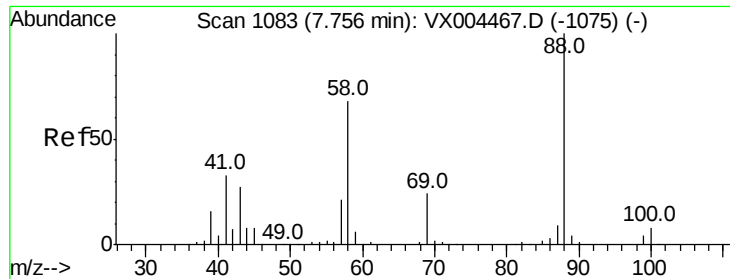


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 423.600 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

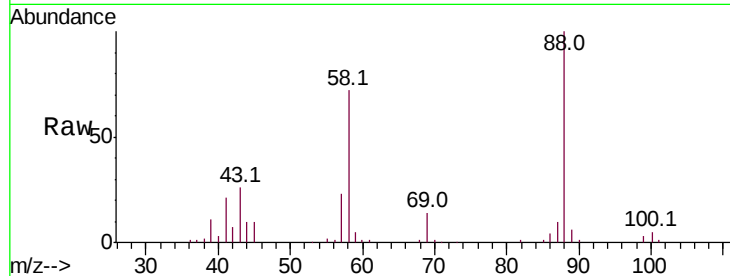
Tot Ion: 88 Resp: 29181

Ion Ratio Lower Upper

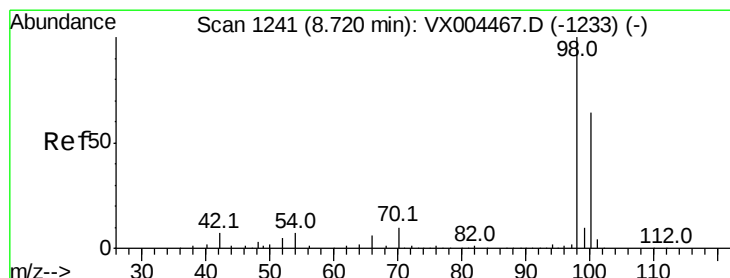
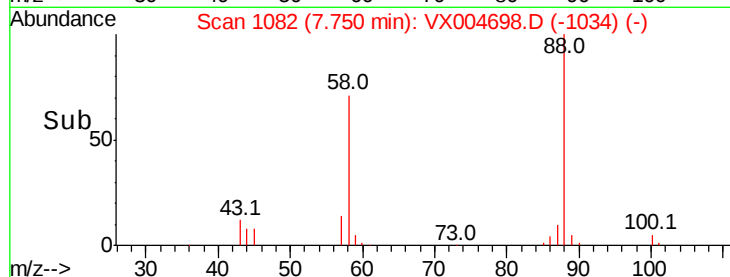
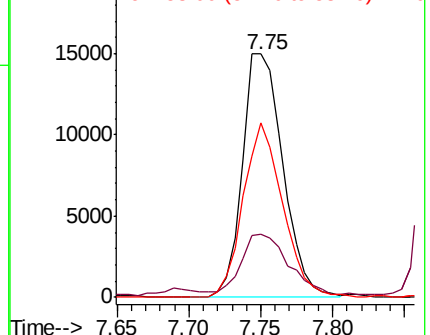
88 100

43 29.3 24.7 37.1

58 70.0 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: 46.042 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004698.D

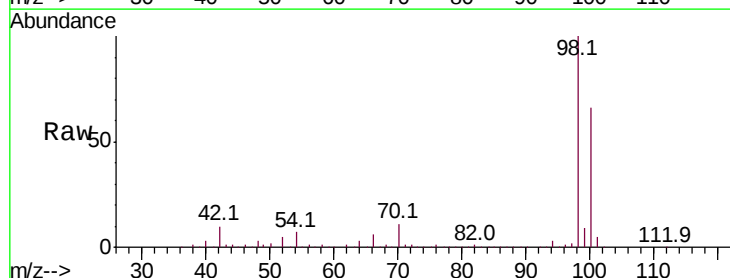
Acq: 19 Sep 2018 11:53

Tgt Ion: 98 Resp: 453100

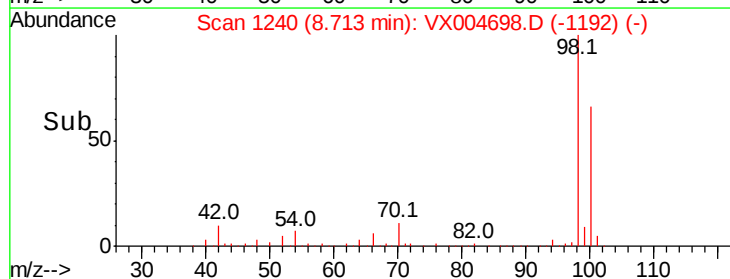
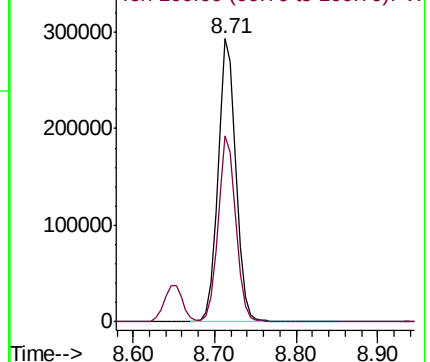
Ion Ratio Lower Upper

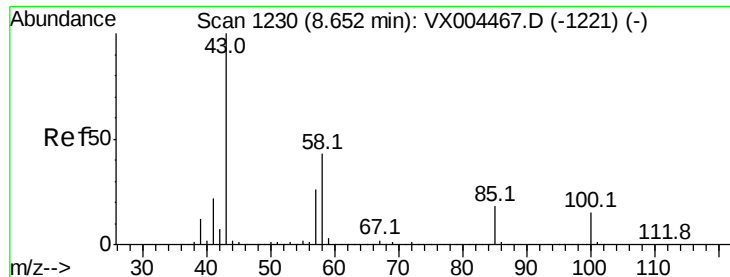
98 100

100 65.2 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: 90.440 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

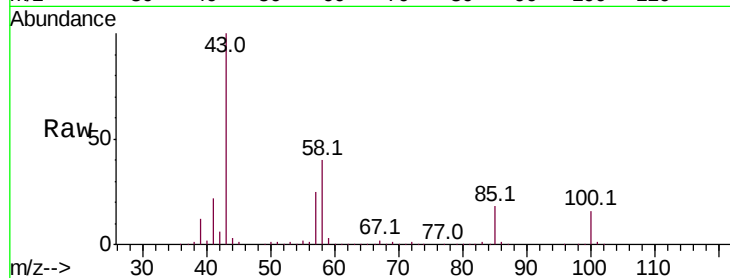
VX0919WBS01

Tot Ion: 43 Resp: 375360

Ion Ratio Lower Upper

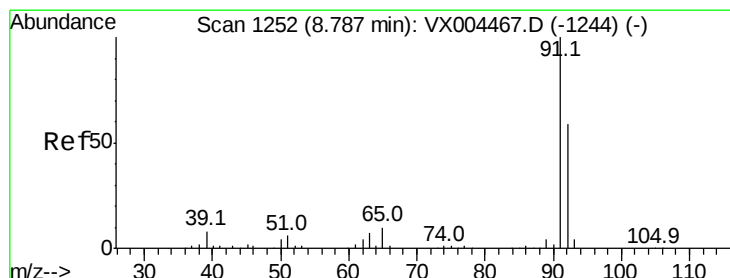
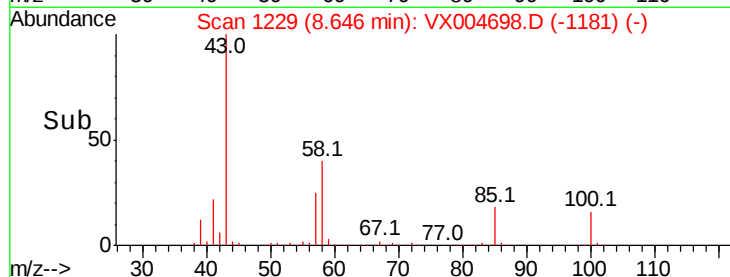
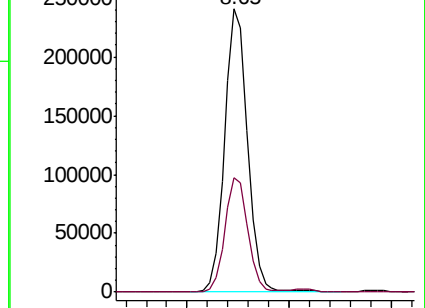
43 100

58 40.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.197 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004698.D

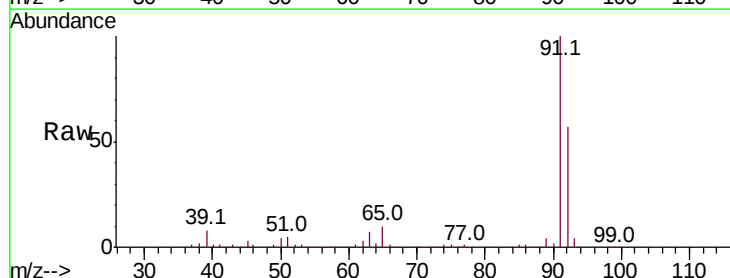
Acq: 19 Sep 2018 11:53

Tgt Ion: 92 Resp: 137456

Ion Ratio Lower Upper

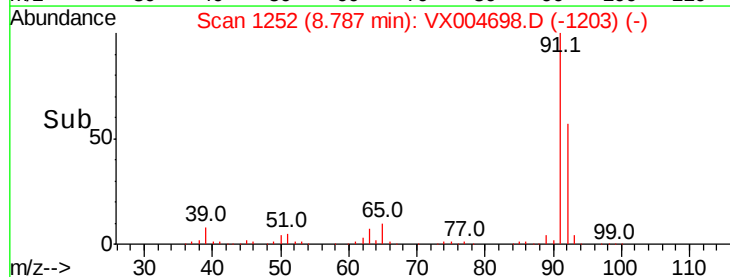
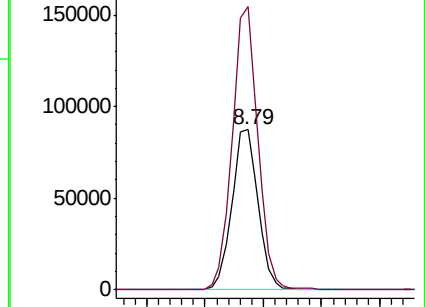
92 100

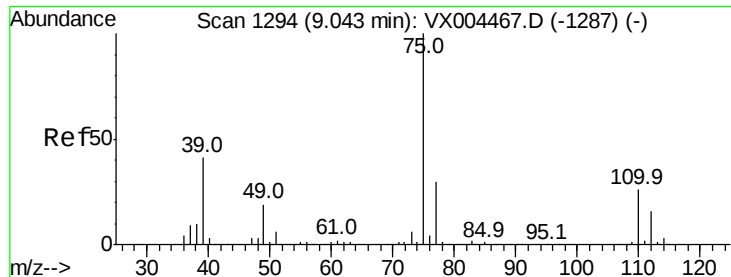
91 173.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.212 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

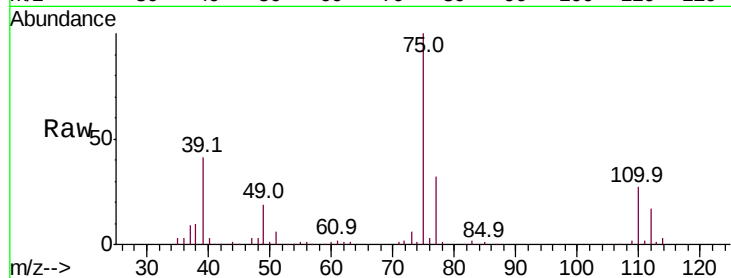
VX0919WBS01

Tot Ion: 75 Resp: 74526

Ion Ratio Lower Upper

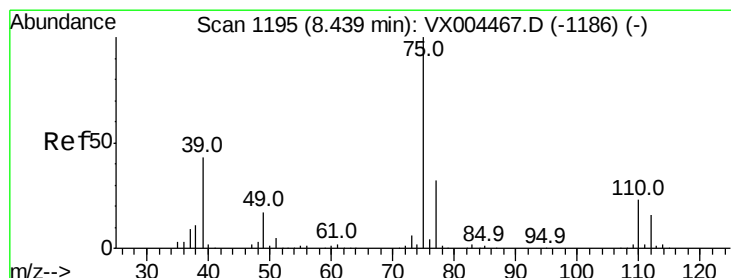
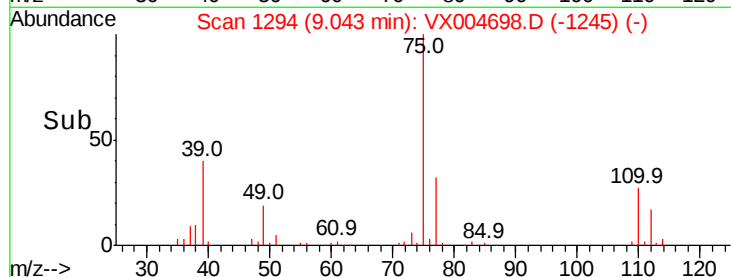
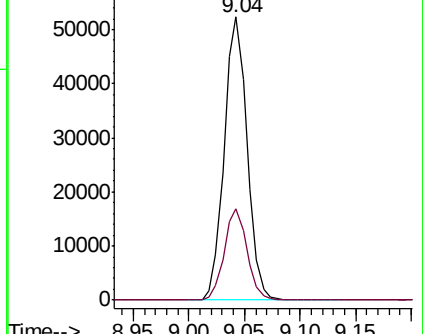
75 100

77 32.1 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: 21.445 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

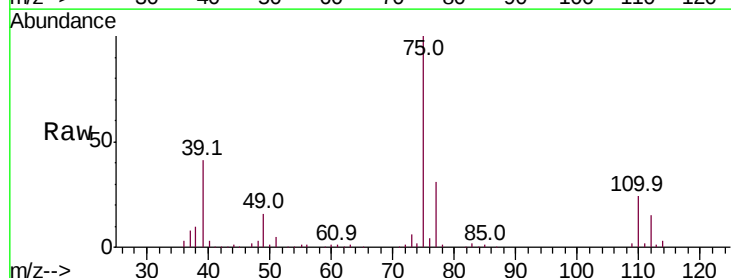
Tgt Ion: 75 Resp: 84803

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

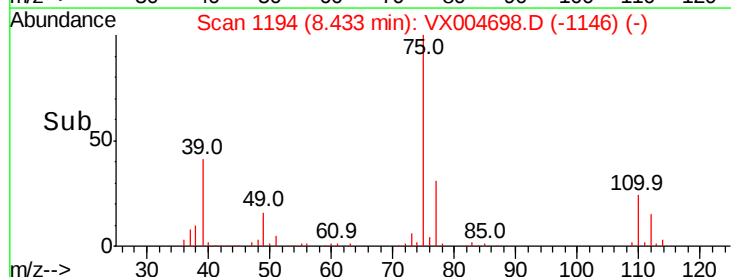
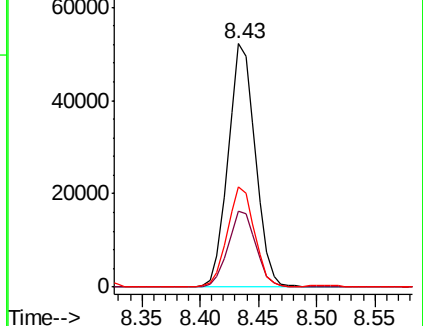
39 41.3 36.4 54.6

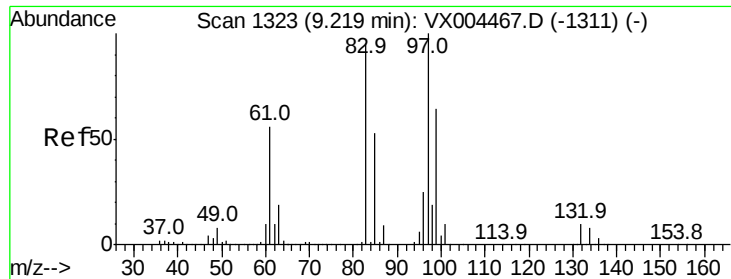


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

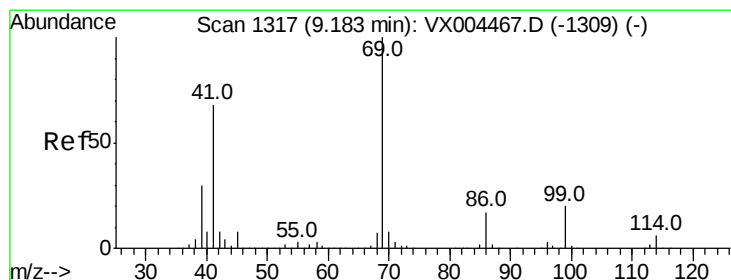
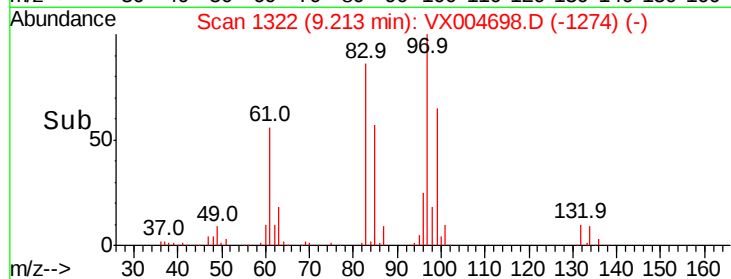
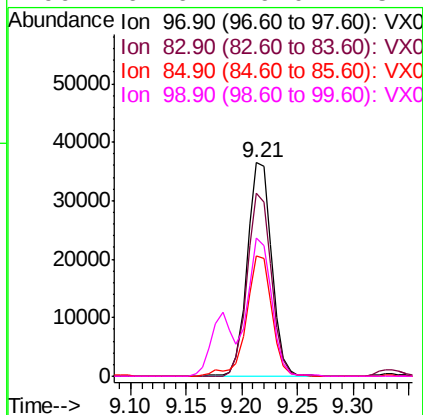
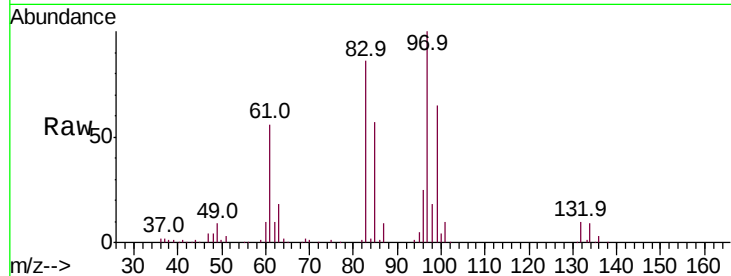




#55
1,1,2-Trichloroethane
Concen: 19.004 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

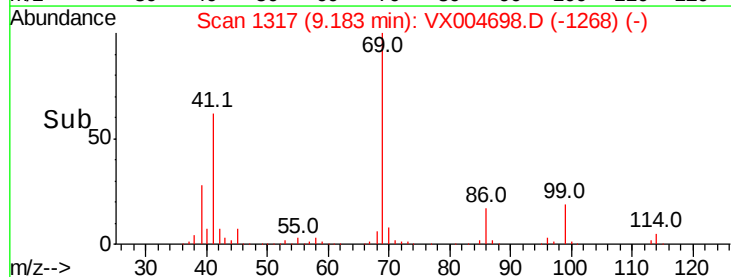
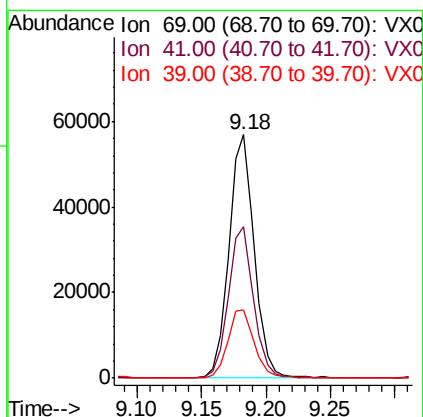
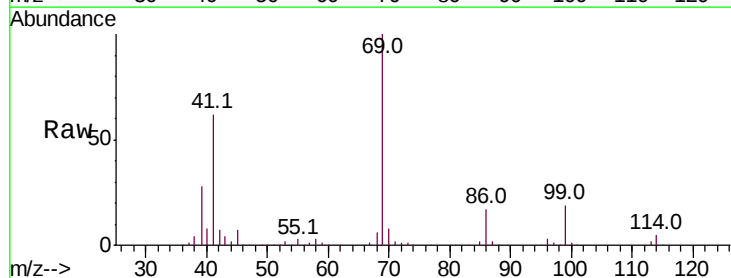
Instrument :
MSVOA_X
ClientSampled :
VX0919WBS01

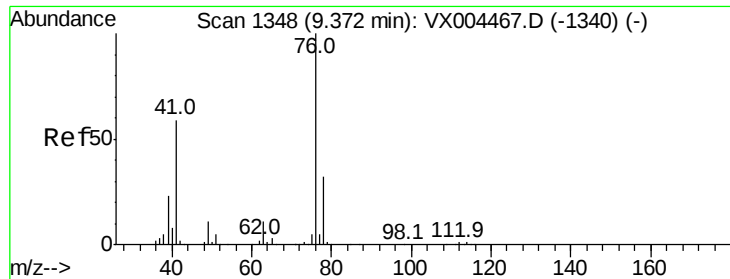
Tot Ion:	97	Resp:	55691
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.4	99.6
85	56.5	43.3	64.9
99	64.6	49.0	73.4



#56
Ethyl methacrylate
Concen: 18.894 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion:	69	Resp:	78328
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.0	76.4
39	29.5	26.1	39.1





#57

1,3-Dichloropropane

Concen: 19.383 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

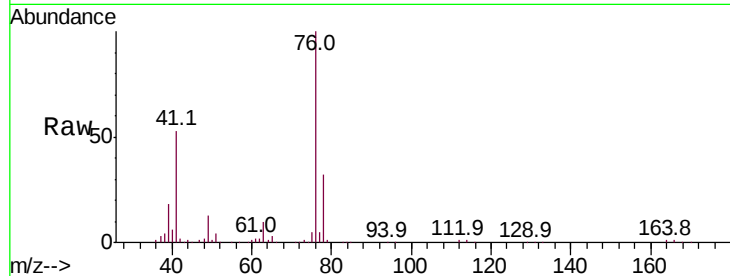
VX0919WBS01

Tot Ion: 76 Resp: 92292

Ion Ratio Lower Upper

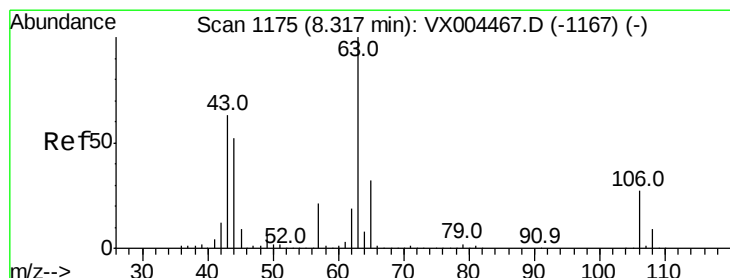
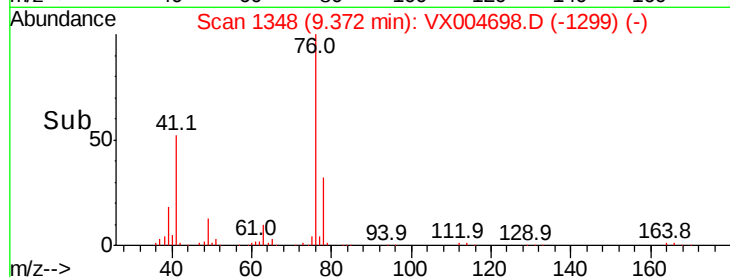
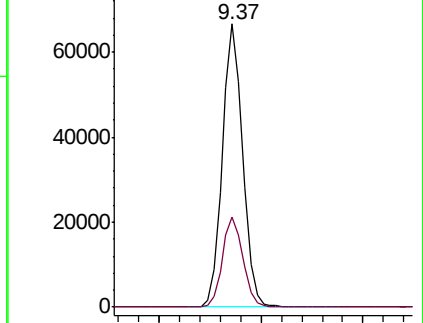
76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 92.903 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004698.D

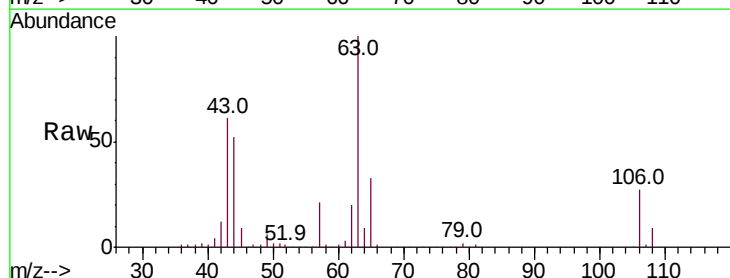
Acq: 19 Sep 2018 11:53

Tgt Ion: 63 Resp: 186286

Ion Ratio Lower Upper

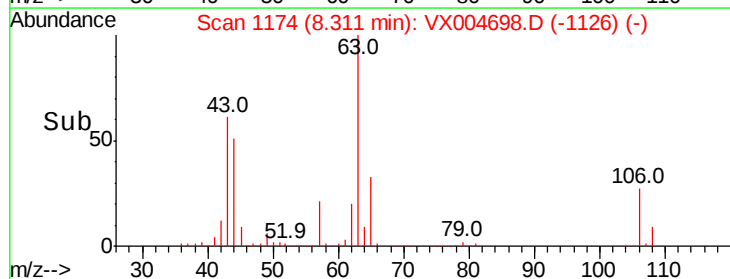
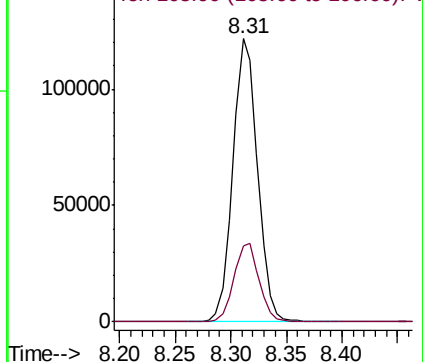
63 100

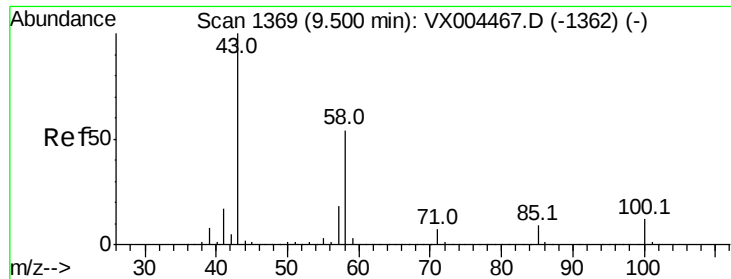
106 28.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

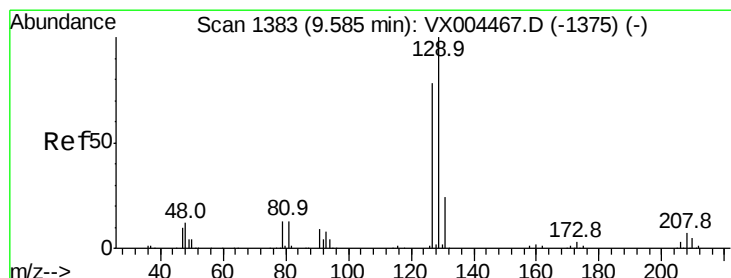
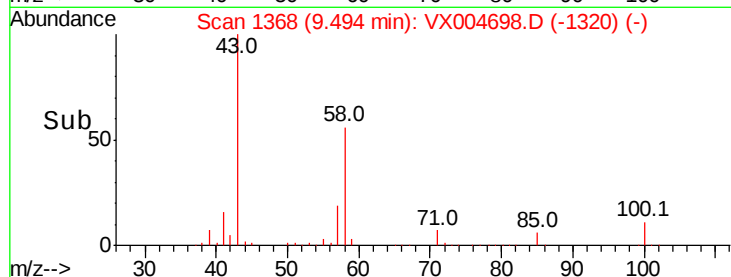
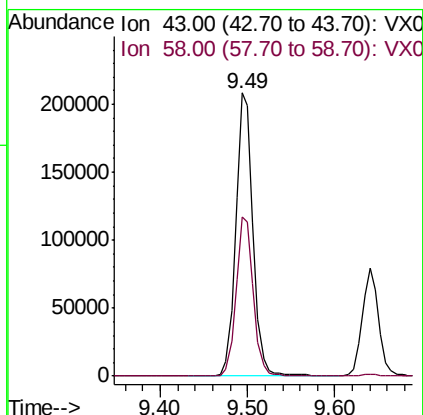
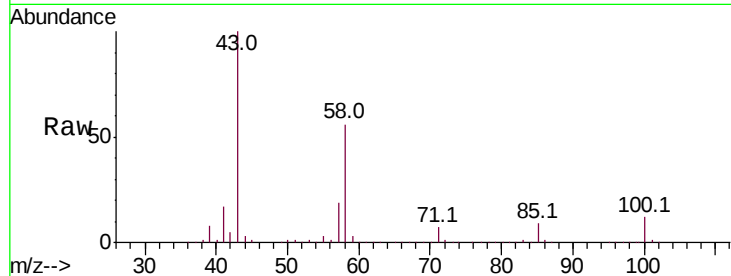




#59
2-Hexanone
Concen: 89.885 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

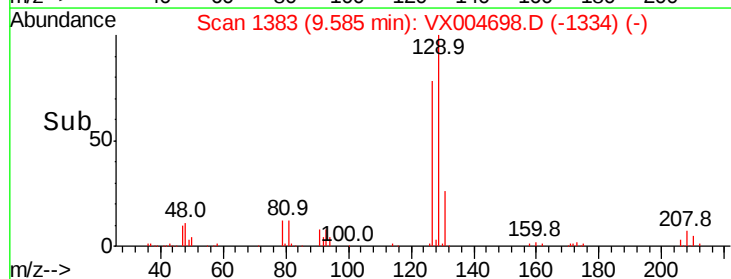
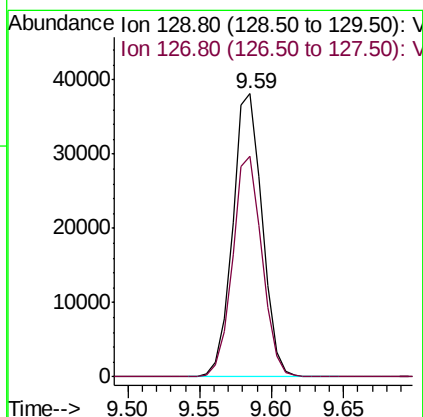
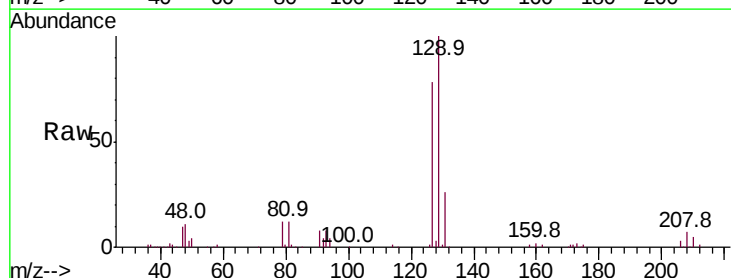
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

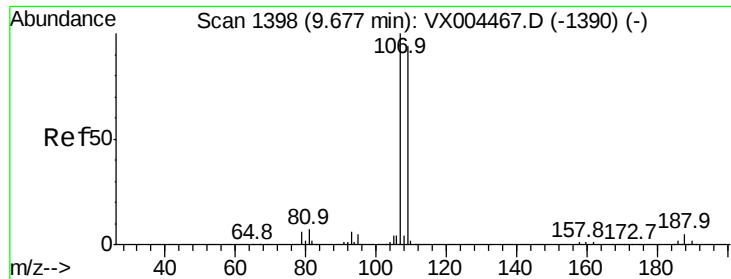
Tot Ion: 43 Resp: 286148
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.0



#60
Dibromochloromethane
Concen: 19.849 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 129 Resp: 54760
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.398 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

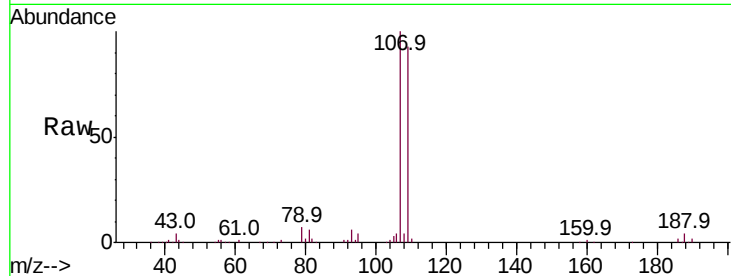
VX0919WBS01

Tot Ion:107 Resp: 57103

Ion Ratio Lower Upper

107 100

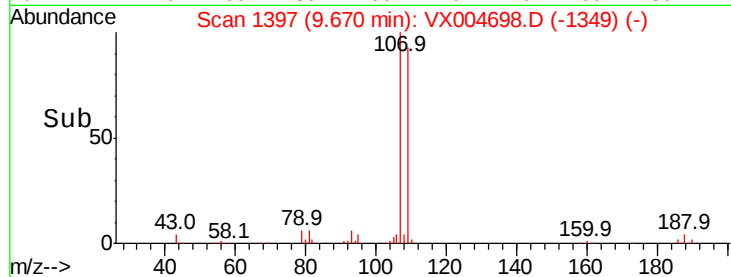
109 94.3 76.0 114.0



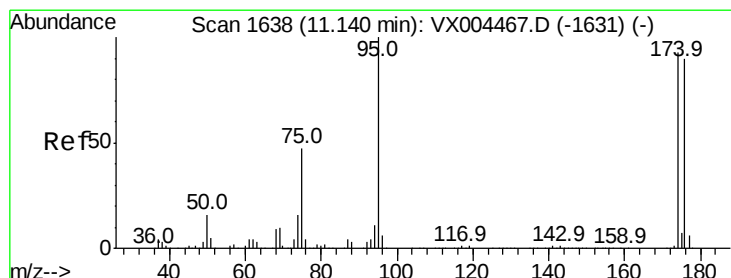
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



Time-->



#62

4-Bromofluorobenzene

Concen: 47.628 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

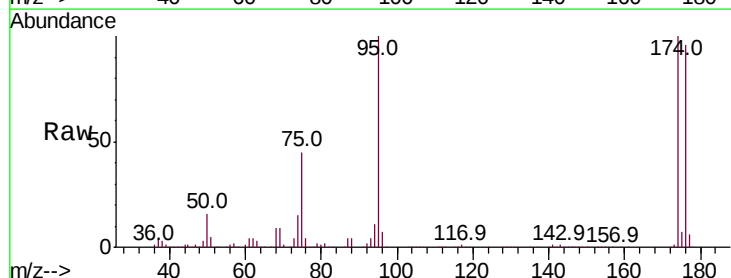
Tgt Ion: 95 Resp: 167310

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

176 92.8 0.0 178.6

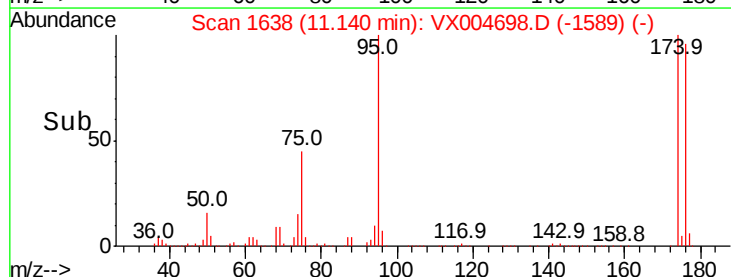


Abundance Ion 94.90 (94.60 to 95.60): VX0

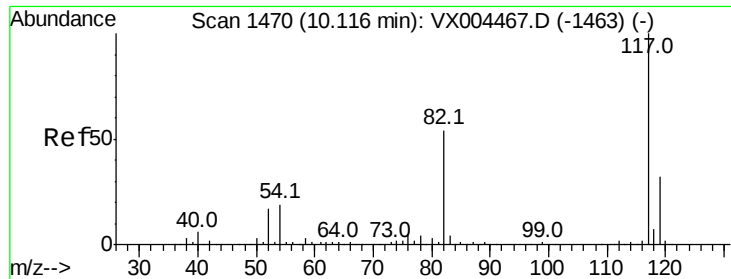
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14



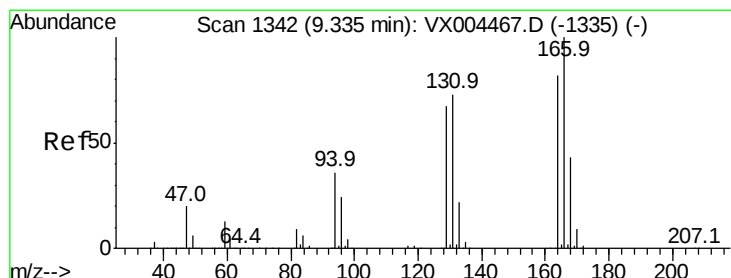
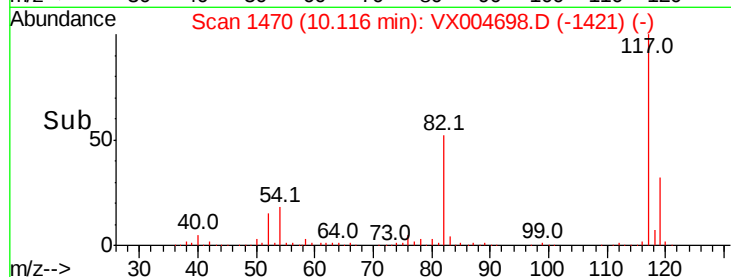
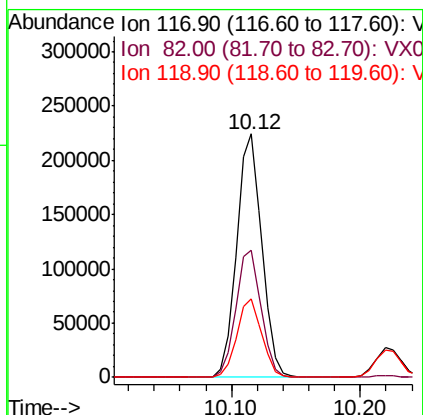
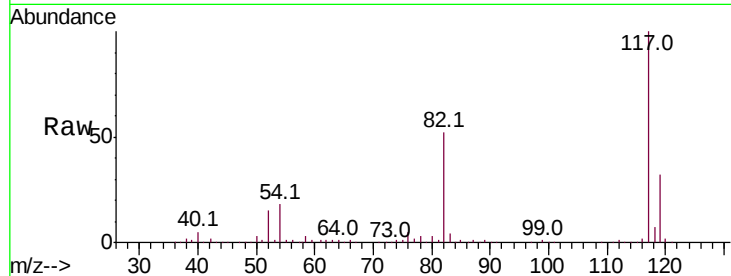
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

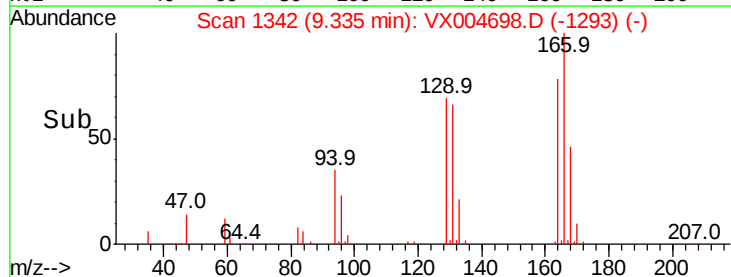
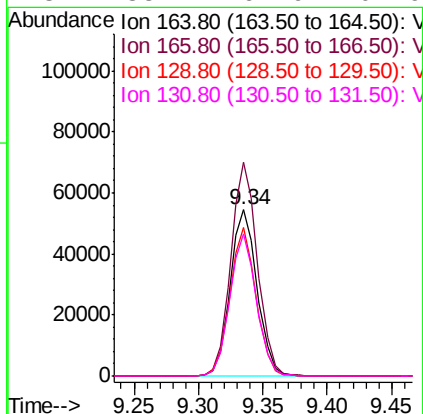
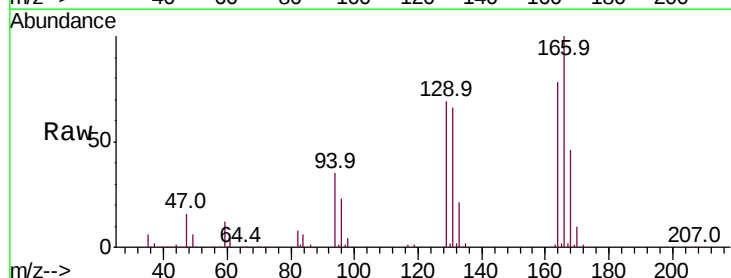
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

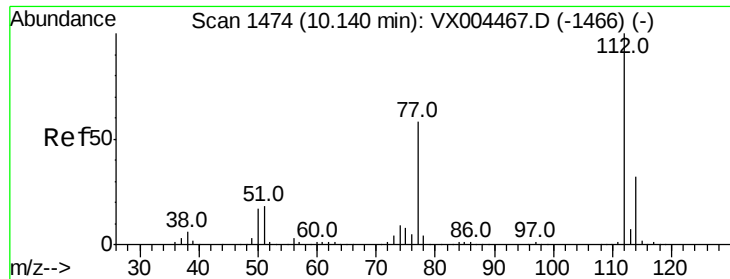
Tot Ion:117 Resp: 303351
Ion Ratio Lower Upper
117 100
82 52.1 47.8 71.6
119 32.4 29.3 43.9



#64
Tetrachloroethene
Concen: 20.966 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion:164 Resp: 79407
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 89.0 69.4 104.0
131 85.2 67.9 101.9

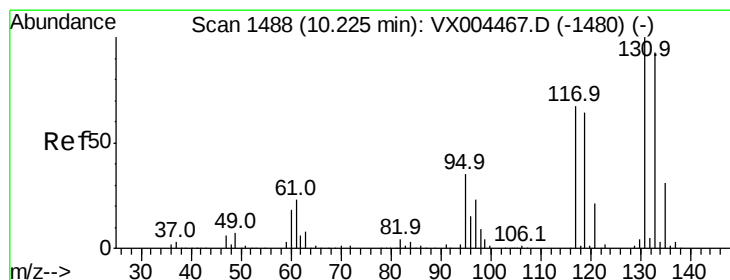
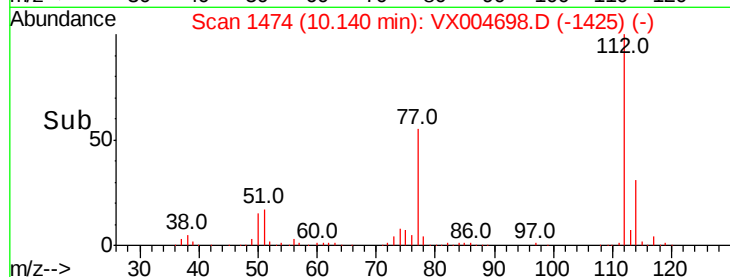
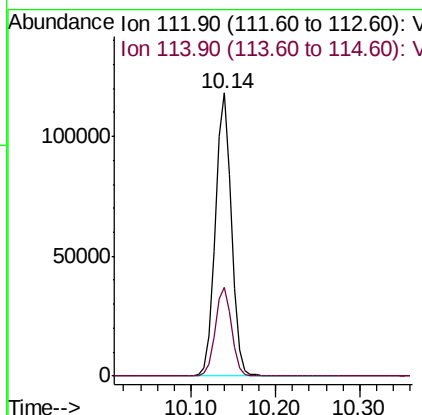
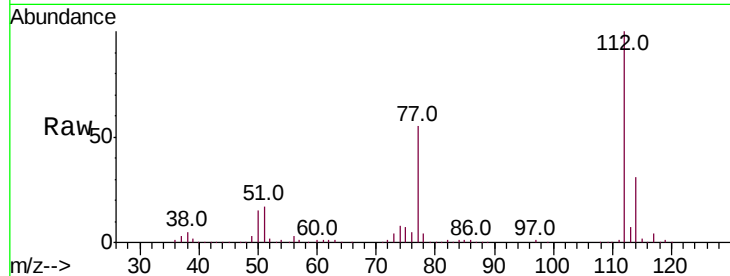




#65
Chlorobenzene
Concen: 20.787 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

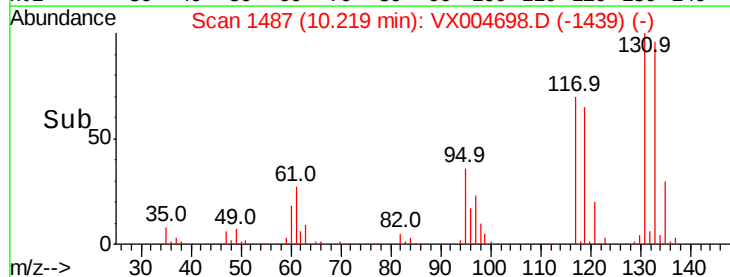
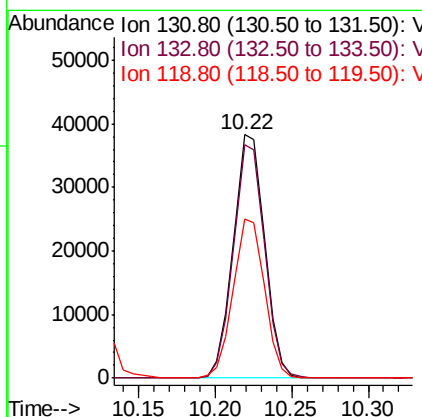
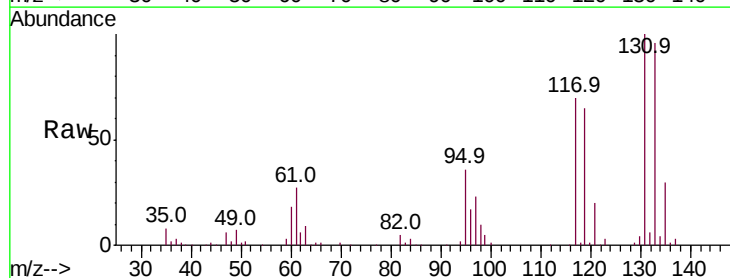
Instrument :
MSVOA_X
ClientSampled :
VX0919WBS01

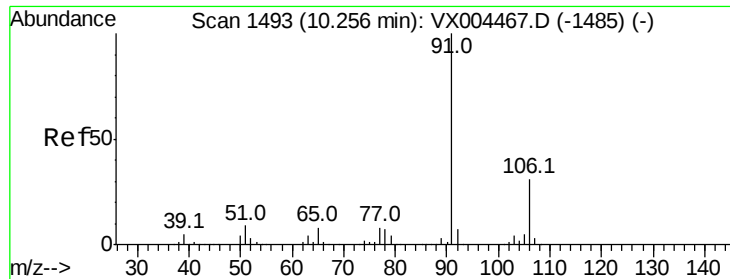
Tot Ion:112 Resp: 156630
Ion Ratio Lower Upper
112 100
114 31.5 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.006 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion:131 Resp: 54583
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 65.5 32.9 98.6

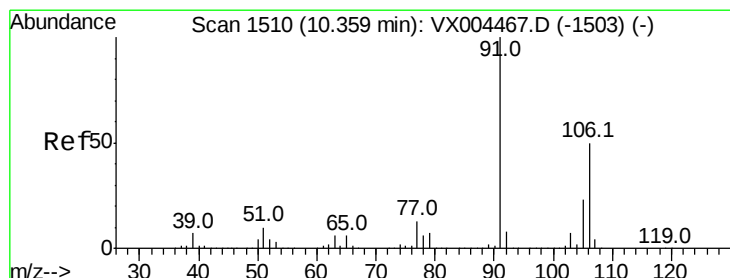
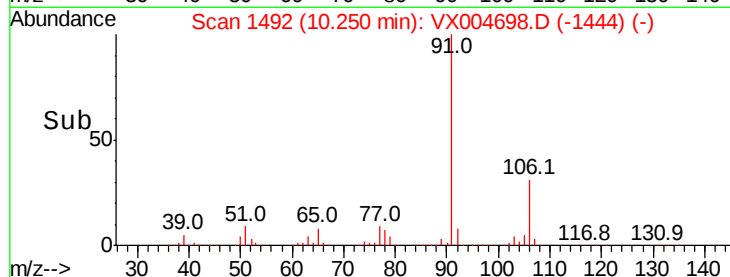
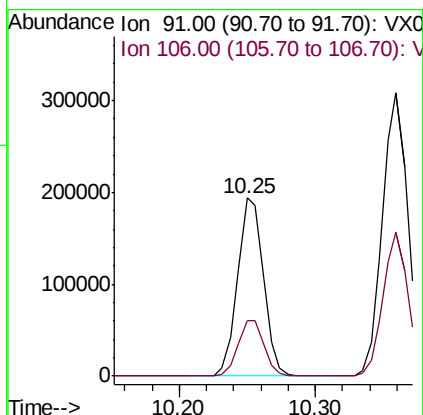
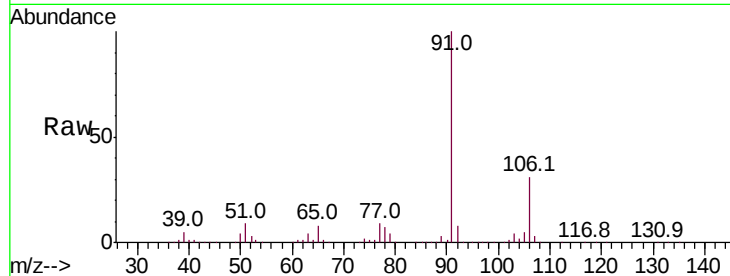




#67
Ethyl Benzene
Concen: 21.040 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

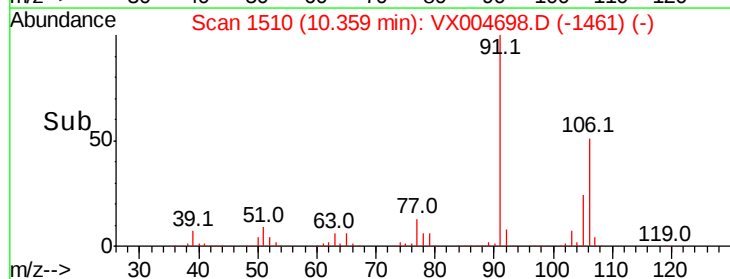
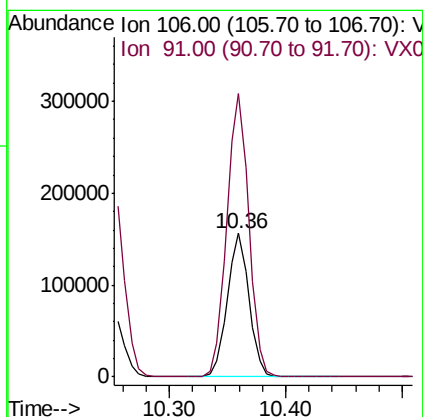
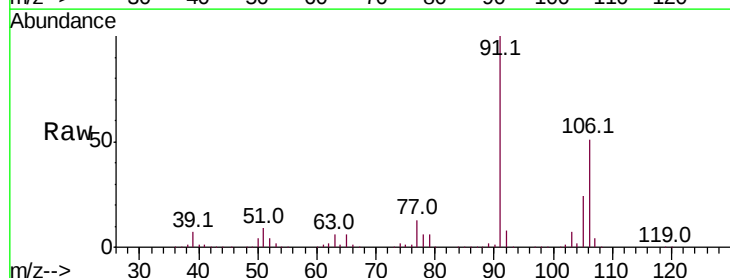
Instrument :
MSVOA_X
ClientSampled :
VX0919WBS01

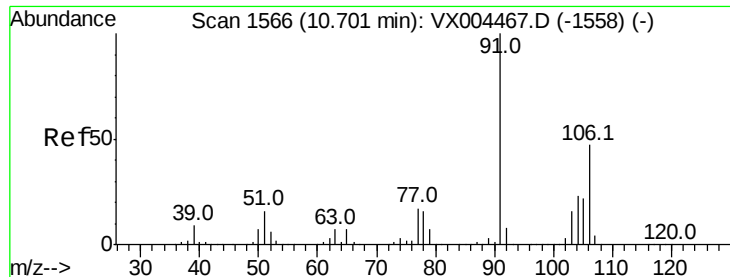
Tot Ion: 91 Resp: 257792
Ion Ratio Lower Upper
91 100
106 30.9 25.9 38.9



#68
m/p-Xylenes
Concen: 42.857 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 106 Resp: 202266
Ion Ratio Lower Upper
106 100
91 200.1 157.1 235.7

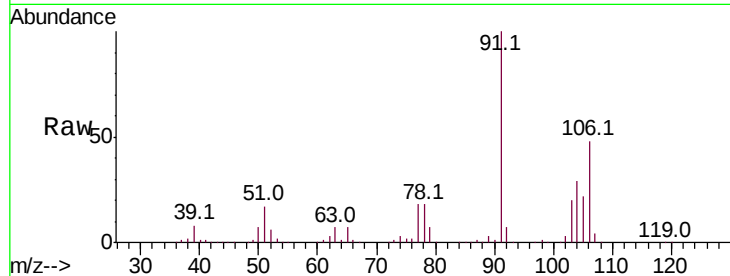




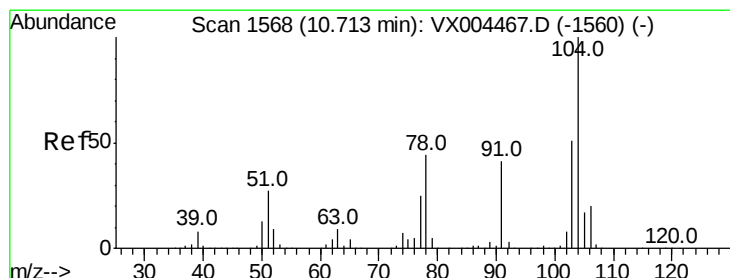
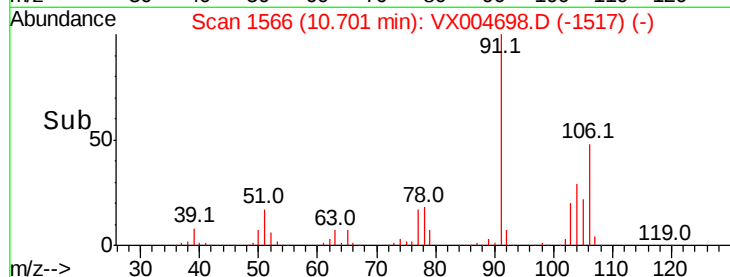
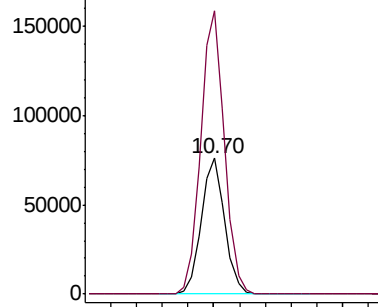
#69
o-Xylene
Concen: 21.356 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion:106 Resp: 96901
Ion Ratio Lower Upper
106 100
91 210.2 105.1 315.1

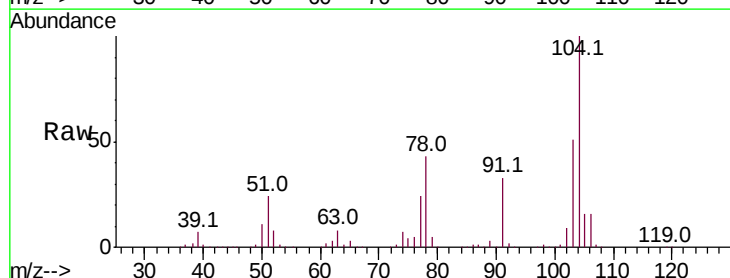


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

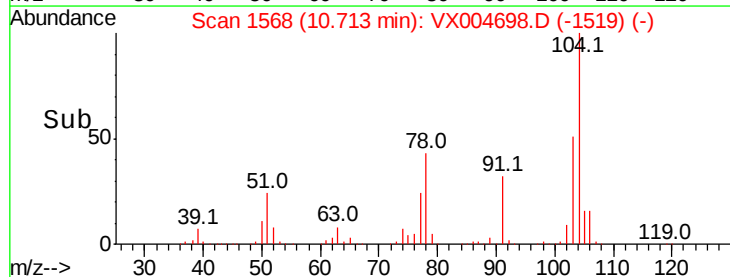
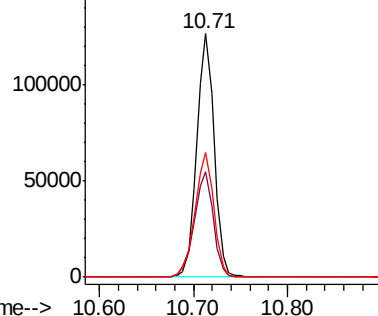


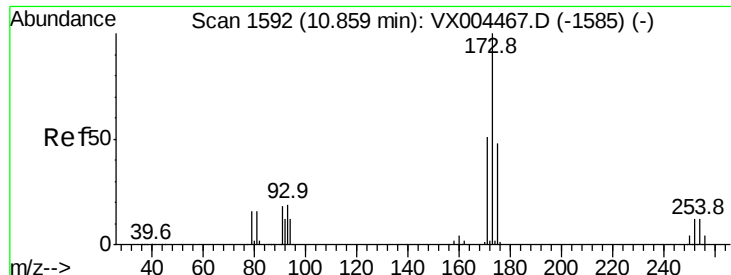
#70
Styrene
Concen: 21.671 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion:104 Resp: 162903
Ion Ratio Lower Upper
104 100
78 47.3 37.4 56.0
103 55.3 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

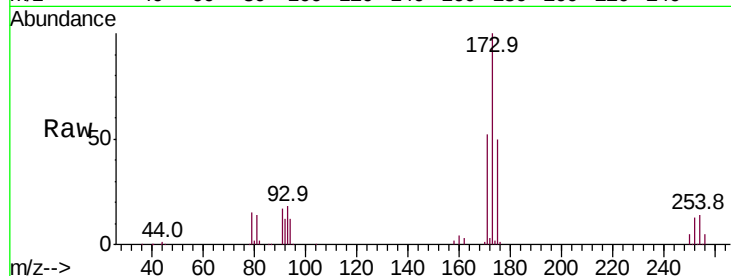




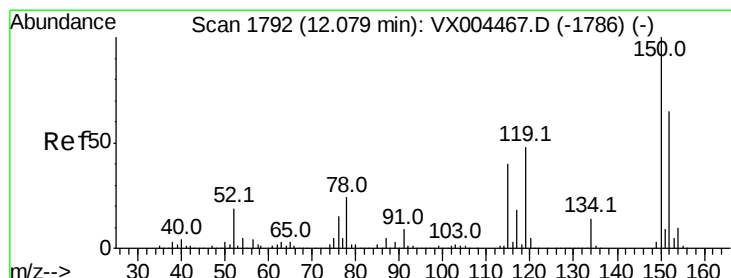
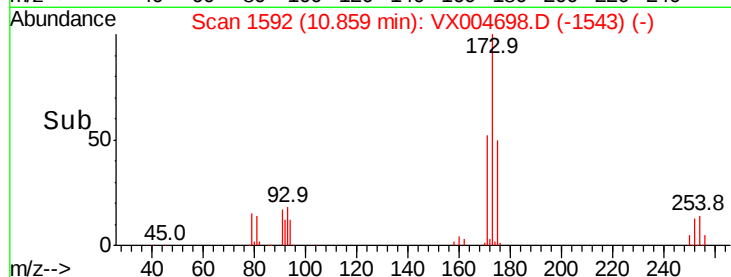
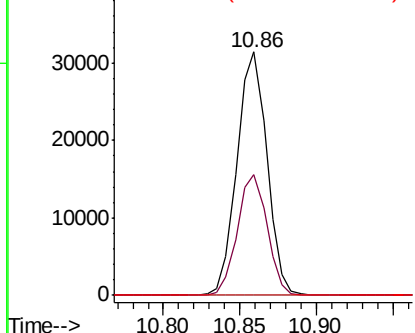
#71
Bromoform
Concen: 20.052 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBS01

Tot Ion:173 Resp: 42781
Ion Ratio Lower Upper
173 100
175 49.3 24.1 72.3
254 0.0 0.2 0.2#

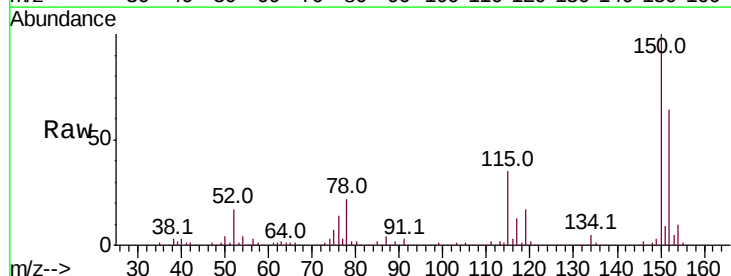


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

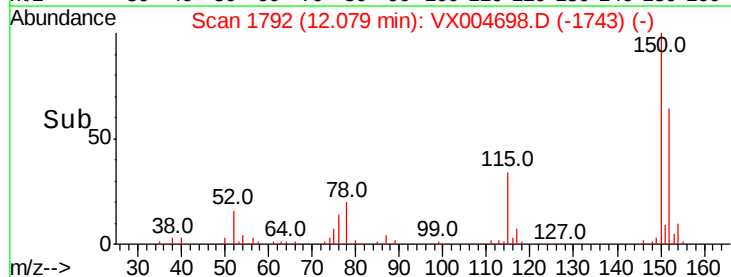
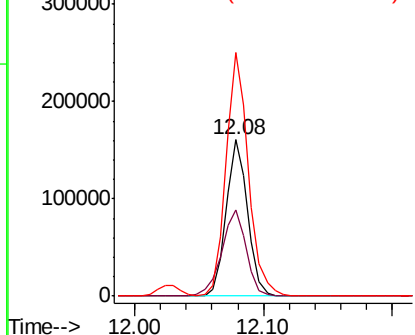


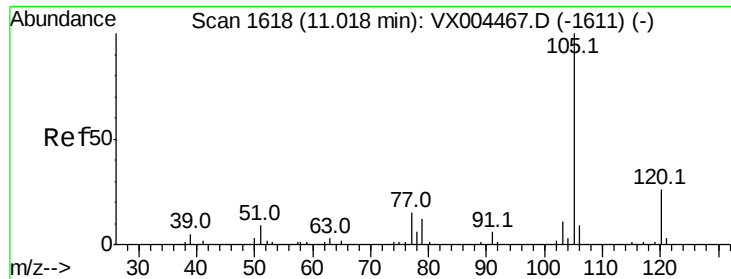
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion:152 Resp: 187718
Ion Ratio Lower Upper
152 100
115 63.1 39.0 117.0
150 163.1 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: 21.624 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

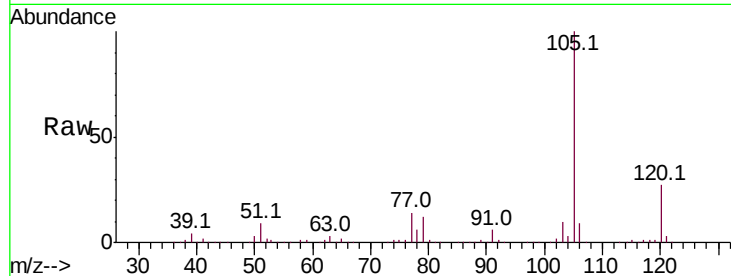
VX0919WBS01

Tot Ion:105 Resp: 267338

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

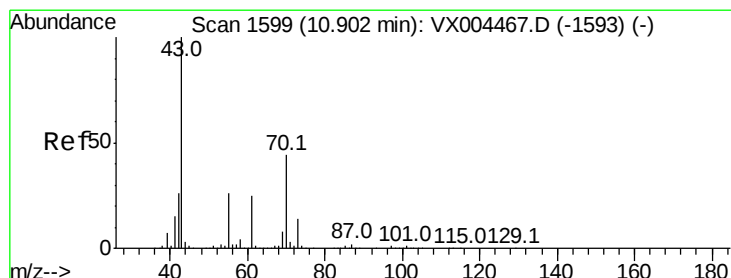
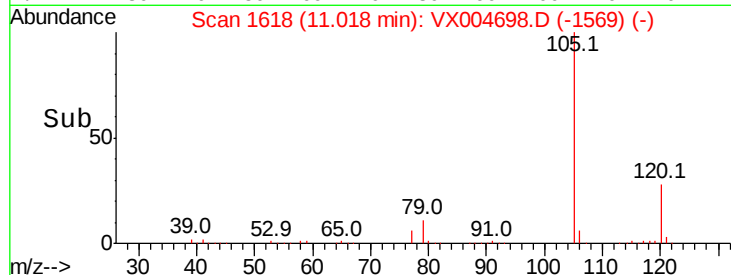
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.176 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Tgt Ion: 43 Resp: 99783

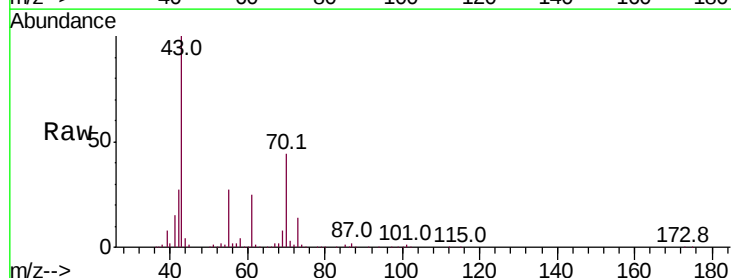
Ion Ratio Lower Upper

43 100

70 44.7 37.4 56.0

55 27.6 21.8 32.8

61 25.2 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

60000

40000

20000

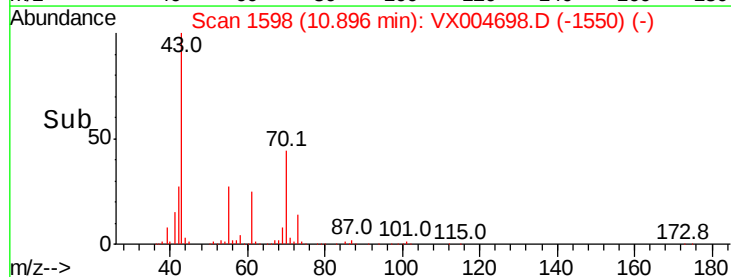
0

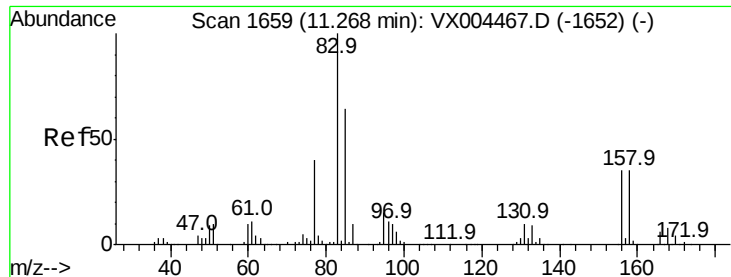
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.572 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

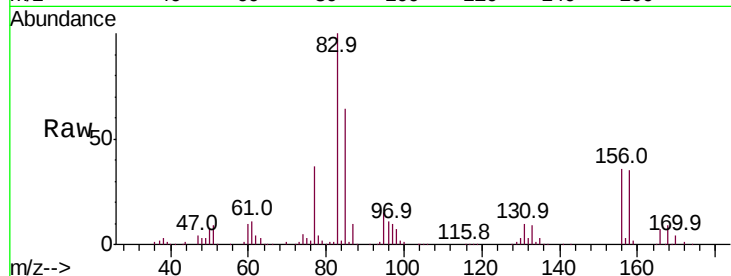
Tot Ion: 83 Resp: 74061

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	63.7	32.3	96.8

83 100

131 10.7 5.2 15.6

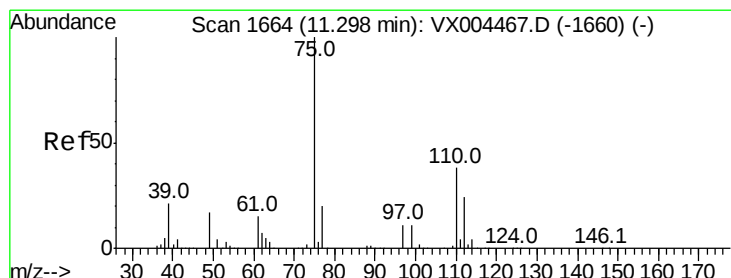
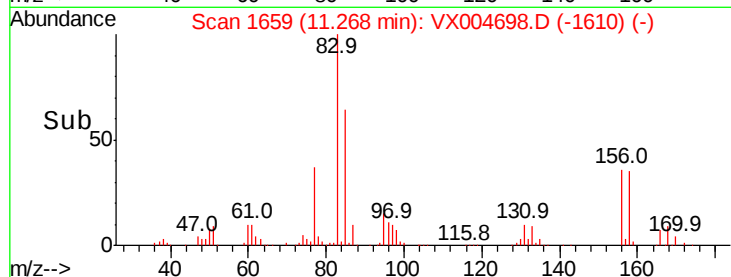
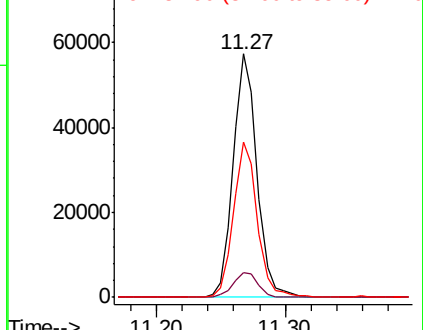
85 63.7 32.3 96.8



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: 24.532 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004698.D

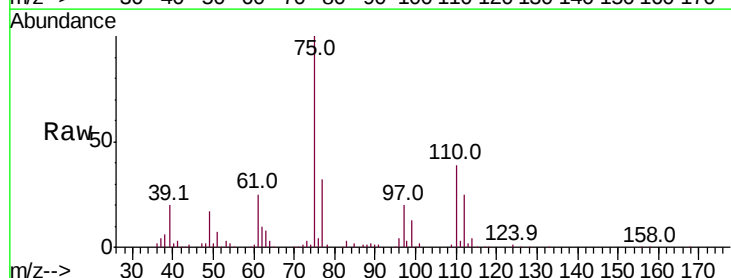
Acq: 19 Sep 2018 11:53

Tgt Ion: 75 Resp: 92650

Ion	Ratio	Lower	Upper
75	100		
77	31.8	20.2	60.6

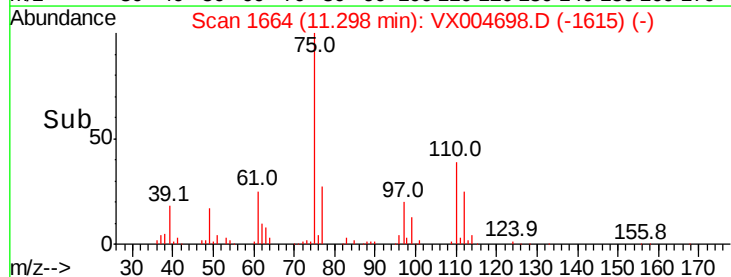
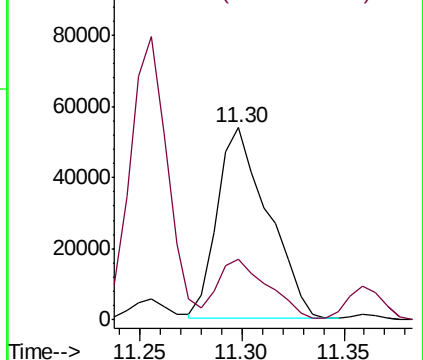
75 100

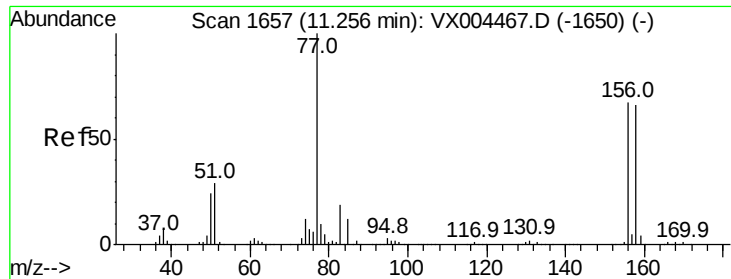
77 31.8 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.892 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

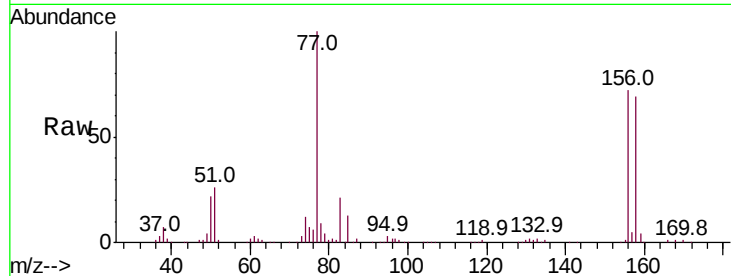
Tot Ion:156 Resp: 71391

Ion Ratio Lower Upper

156 100

77 142.1 71.5 214.3

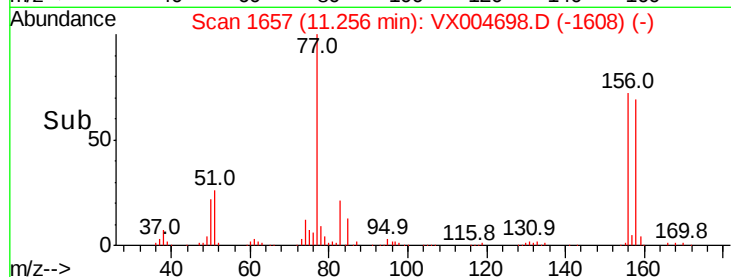
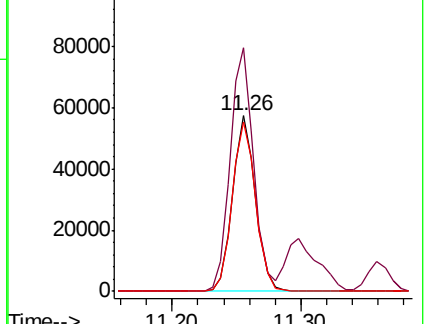
158 98.5 48.9 146.8



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: 21.566 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004698.D

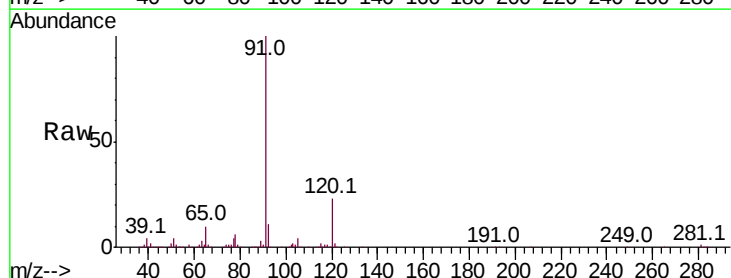
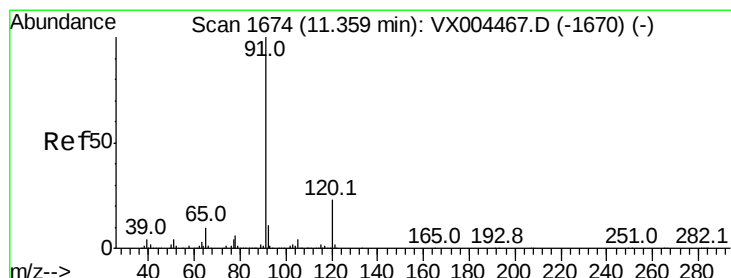
Acq: 19 Sep 2018 11:53

Tgt Ion: 91 Resp: 306562

Ion Ratio Lower Upper

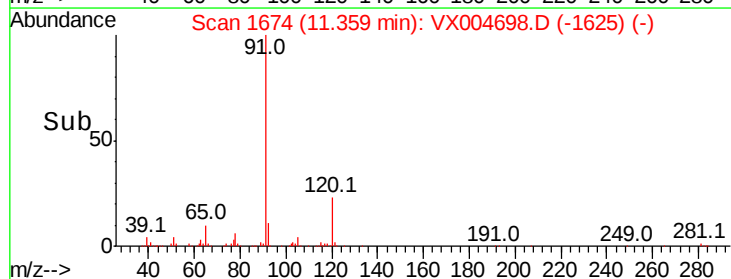
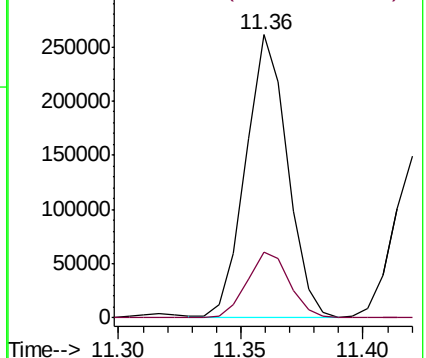
91 100

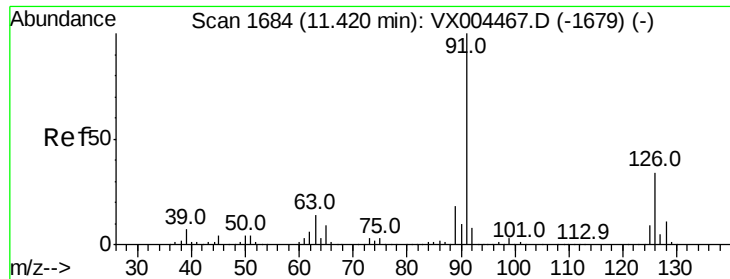
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

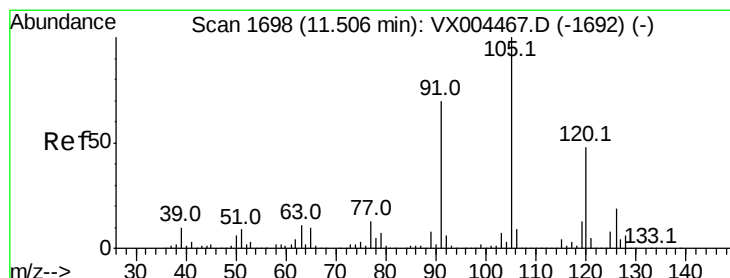
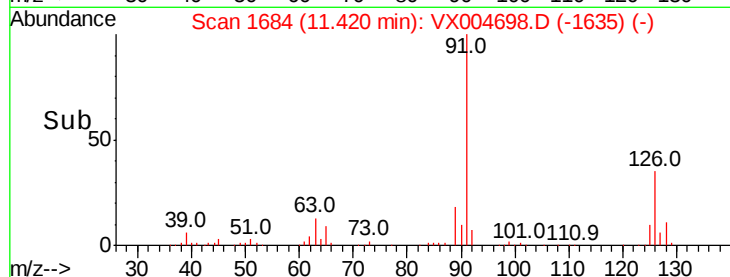
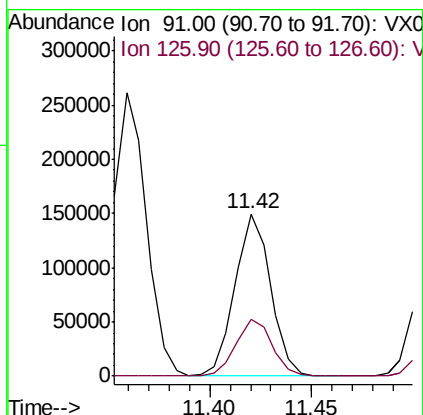
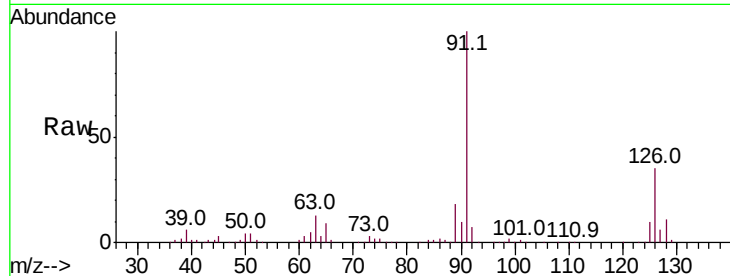




#79
2-Chlorotoluene
Concen: 20.935 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

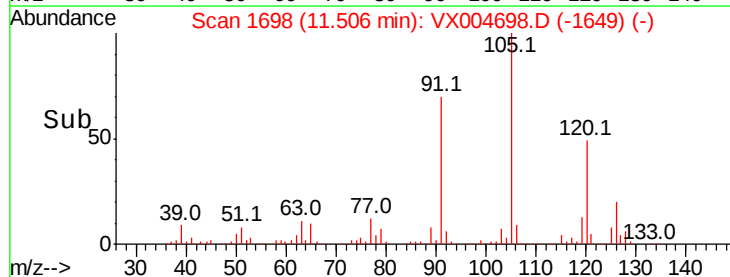
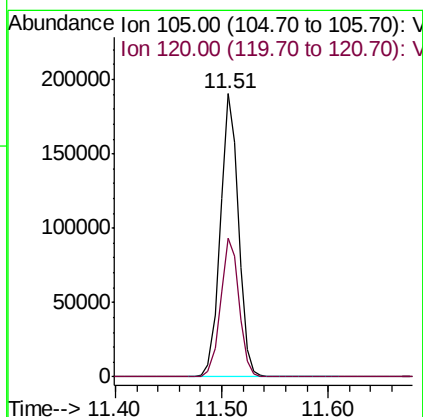
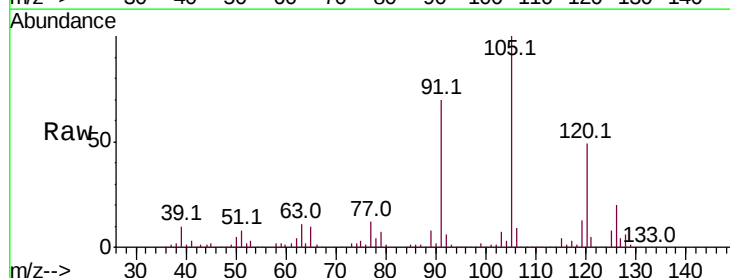
Instrument :
MSVOA_X
ClientSampled :
VX0919WBS01

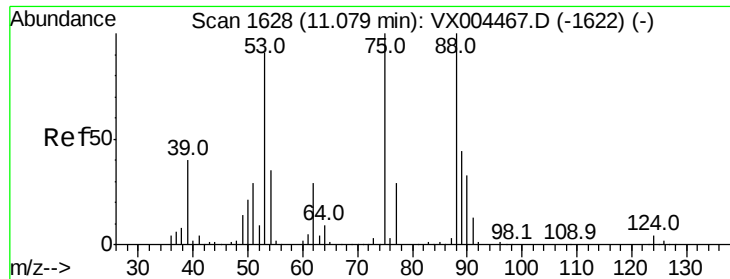
Tot Ion: 91 Resp: 180481
Ion Ratio Lower Upper
91 100
126 35.8 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 21.712 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion:105 Resp: 225651
Ion Ratio Lower Upper
105 100
120 49.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.818 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

VX0919WBS01

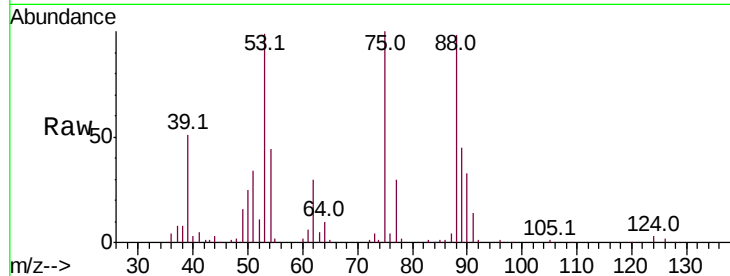
Tot Ion: 75 Resp: 23482

Ion Ratio Lower Upper

75 100

53 98.3 80.1 120.1

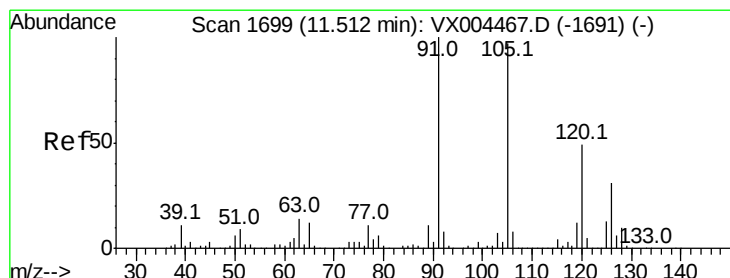
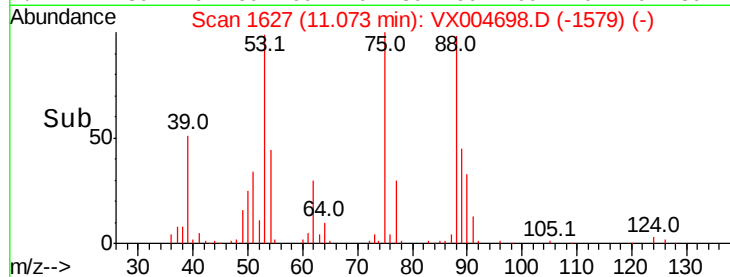
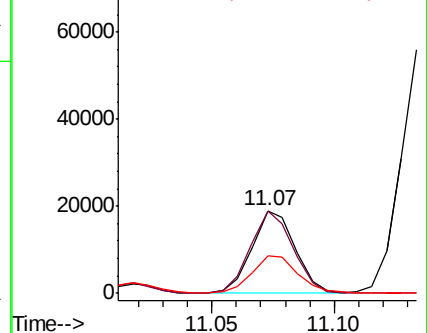
89 48.3 37.2 55.8



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: 21.028 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004698.D

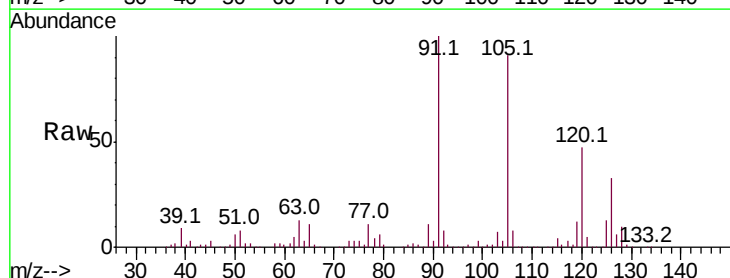
Acq: 19 Sep 2018 11:53

Tgt Ion: 91 Resp: 211582

Ion Ratio Lower Upper

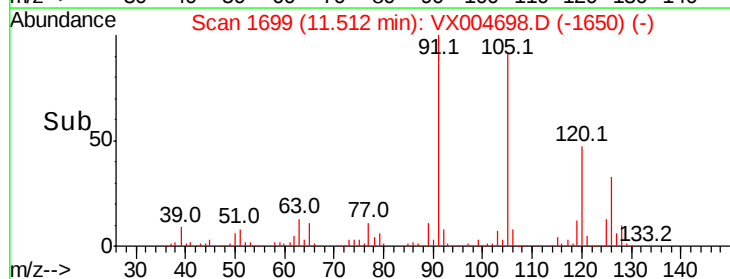
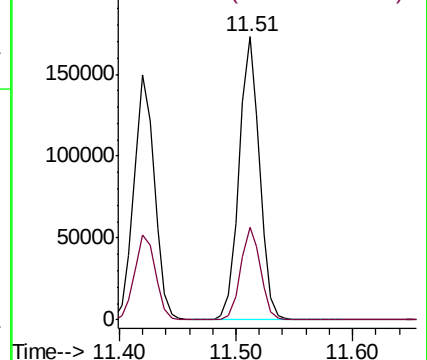
91 100

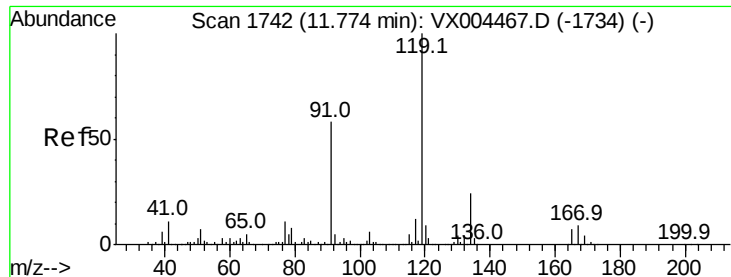
126 32.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.323 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

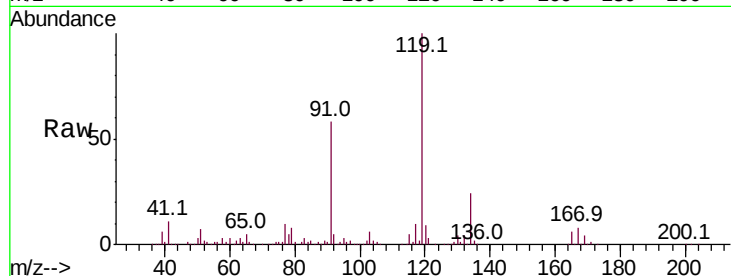
Tot Ion:119 Resp: 210985

Ion Ratio Lower Upper

119 100

91 57.8 27.0 81.0

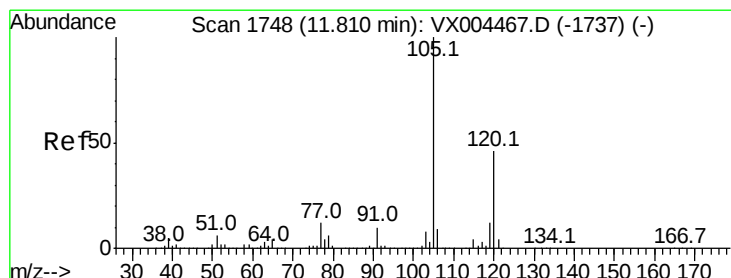
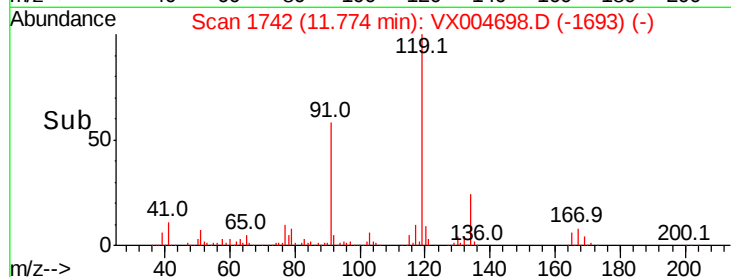
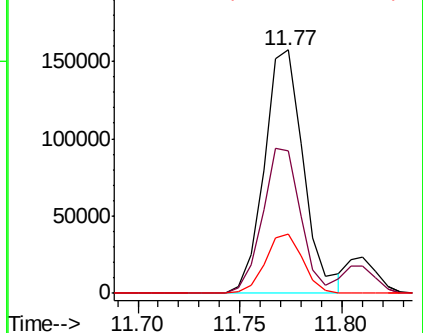
134 23.6 11.7 35.1



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: 21.735 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX004698.D

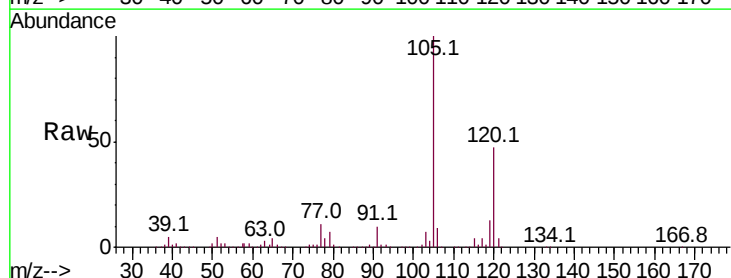
Acq: 19 Sep 2018 11:53

Tgt Ion:105 Resp: 230638

Ion Ratio Lower Upper

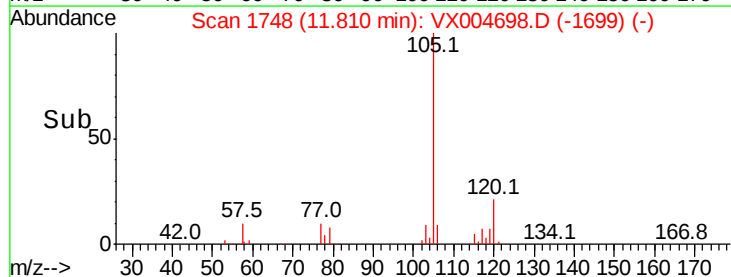
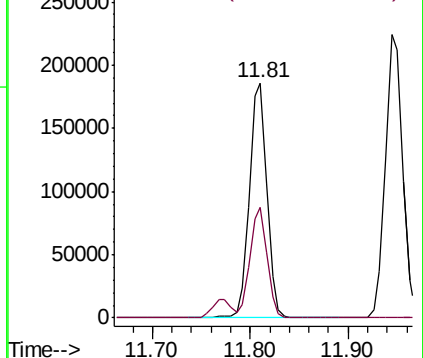
105 100

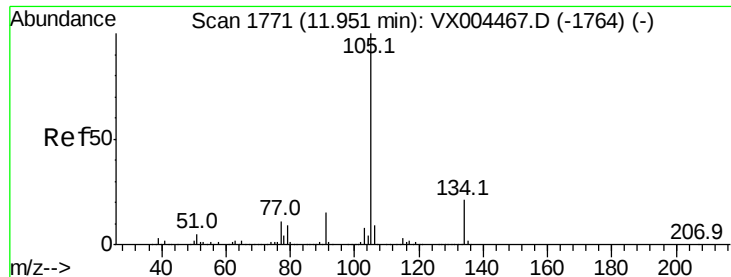
120 45.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.774 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampled :

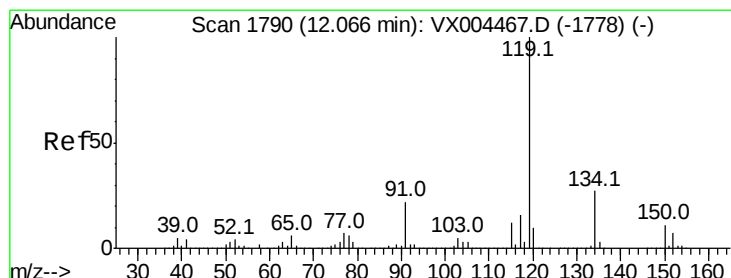
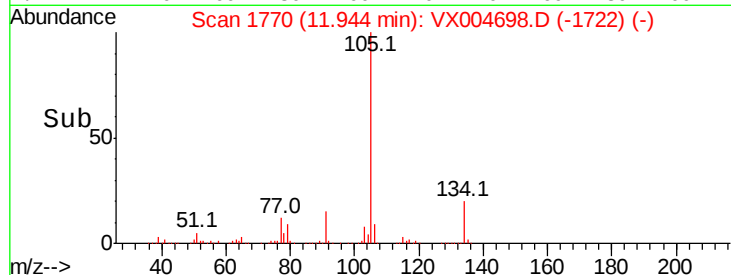
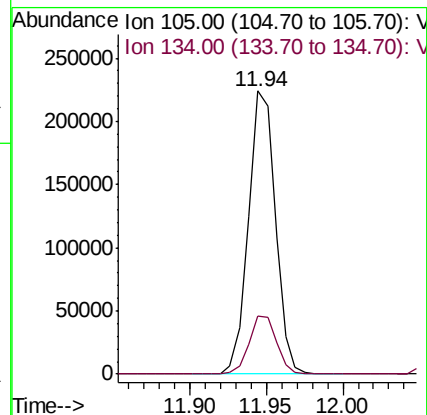
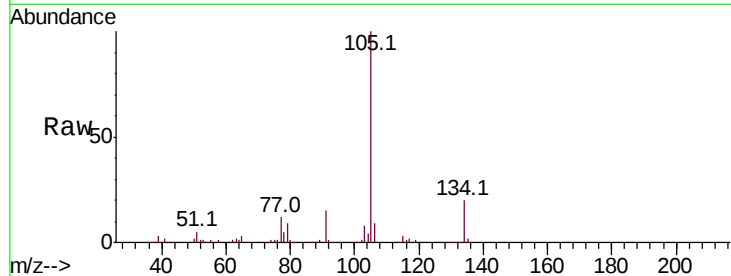
VX0919WBS01

Tot Ion:105 Resp: 274545

Ion Ratio Lower Upper

105 100

134 20.8 10.5 31.5



#86

p-Isopropyltoluene

Concen: 22.277 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

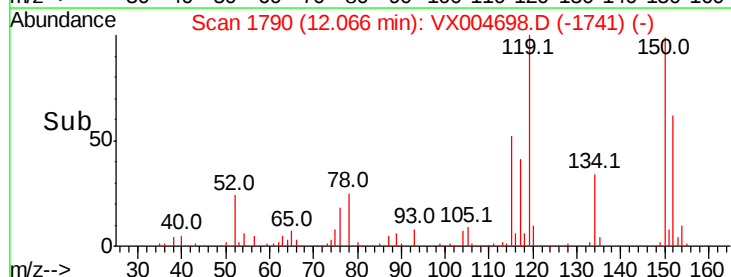
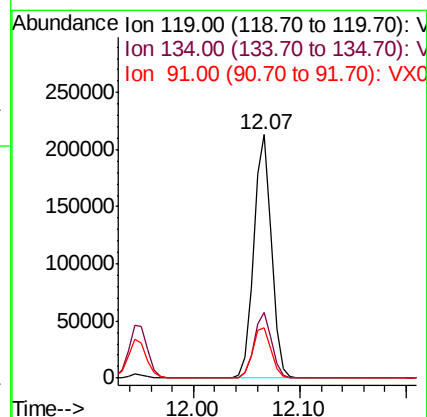
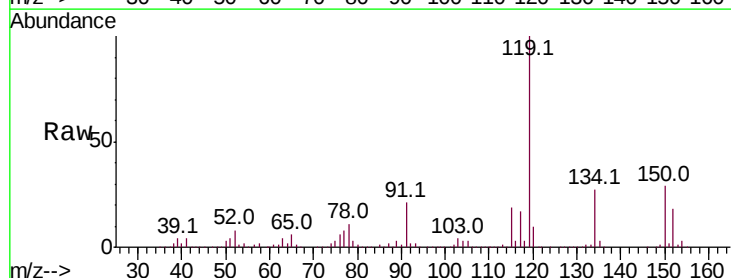
Tgt Ion:119 Resp: 248035

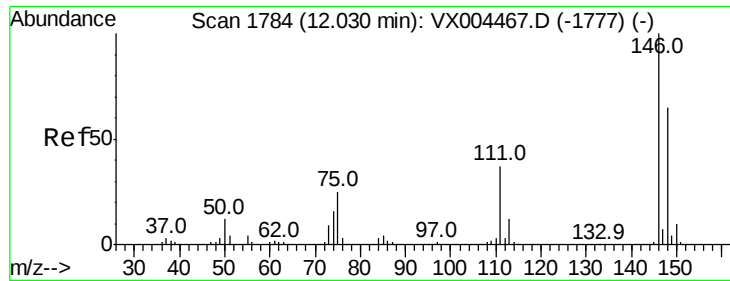
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.8 10.9 32.7

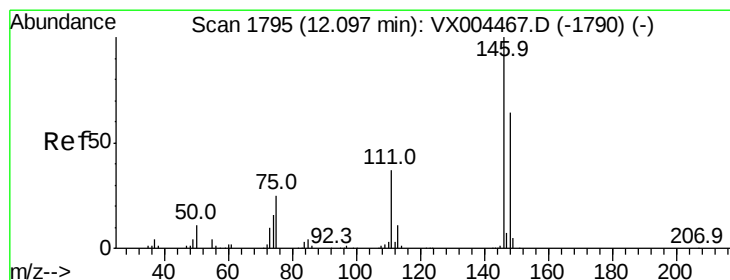
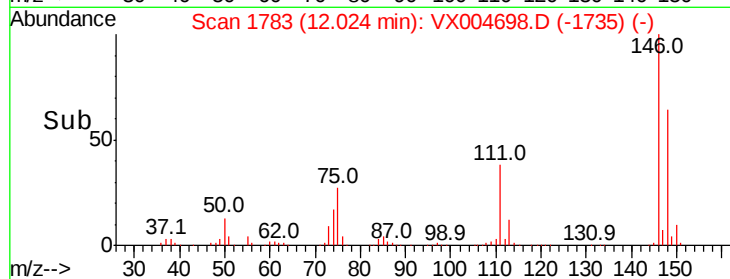
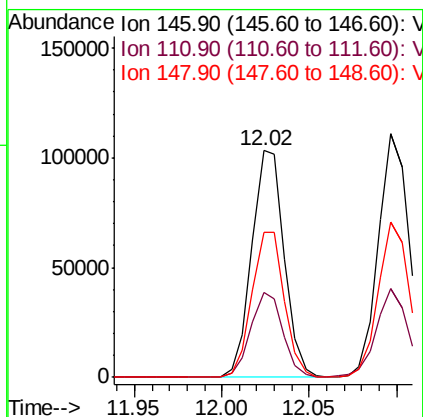
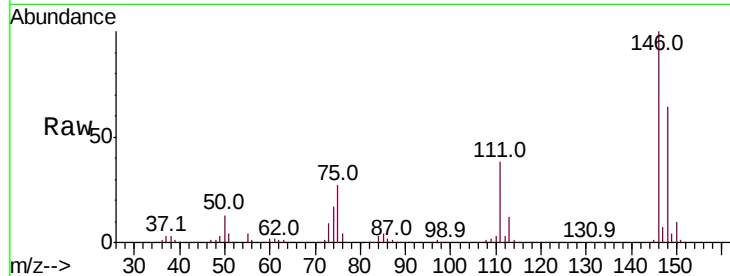




#87
 1,3-Dichlorobenzene
 Concen: 21.088 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

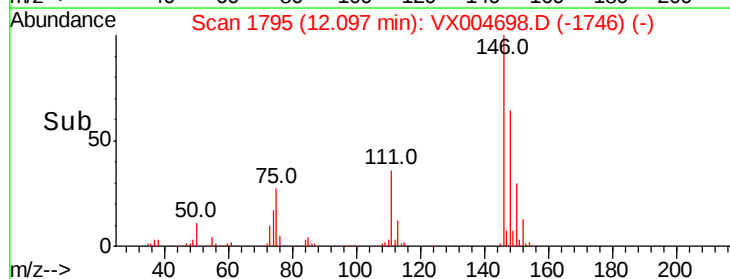
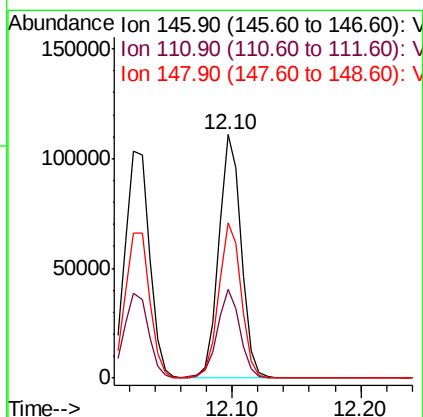
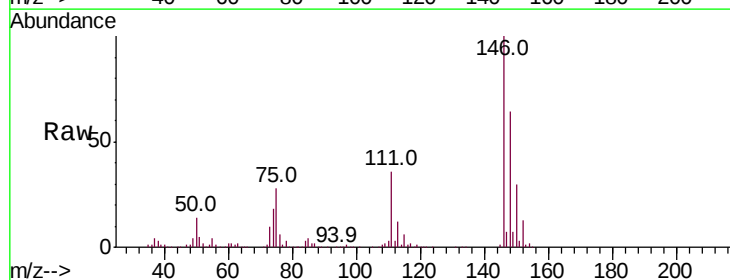
Instrument :
 MSVOA_X
 ClientSampled :
 VX0919WBS01

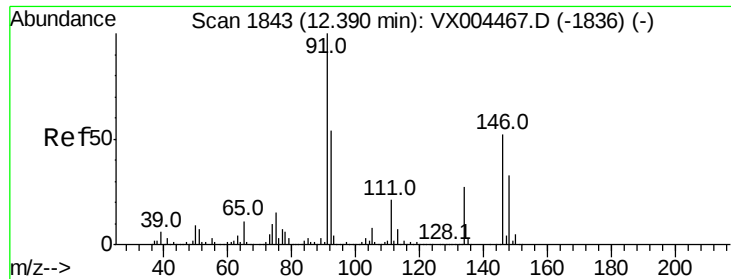
Tot Ion:146 Resp: 134447
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.7 56.1
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.711 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion:146 Resp: 136441
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 63.9 32.0 96.0

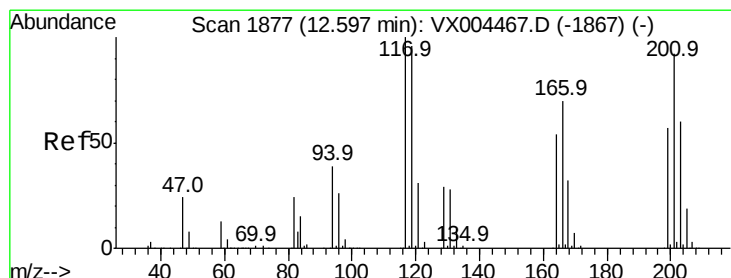
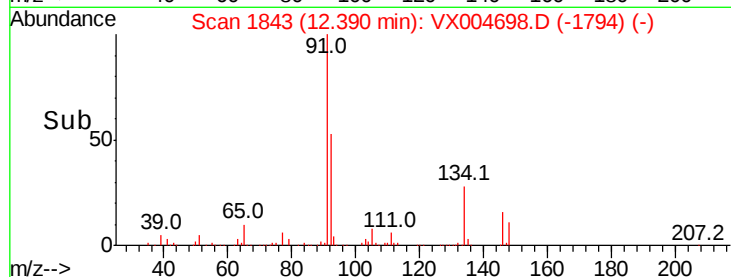
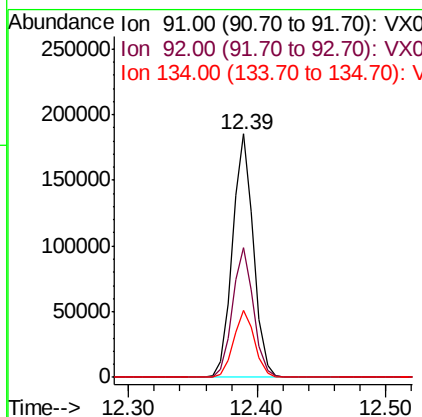
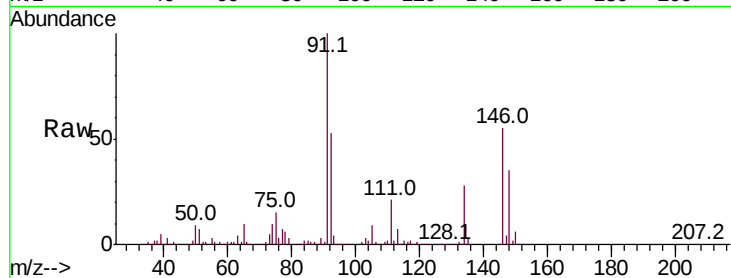




#89
n-Butylbenzene
Concen: 20.818 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

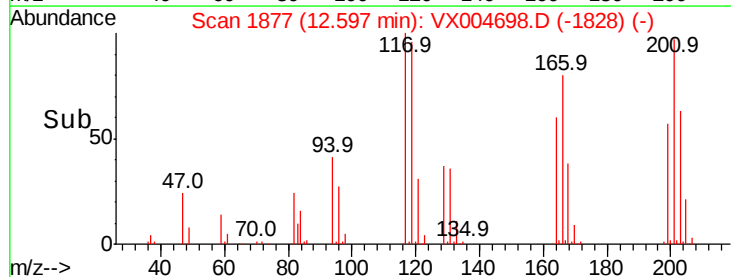
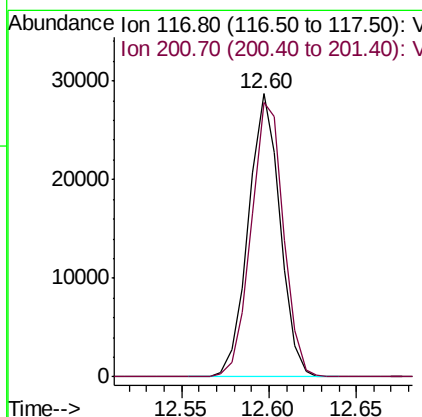
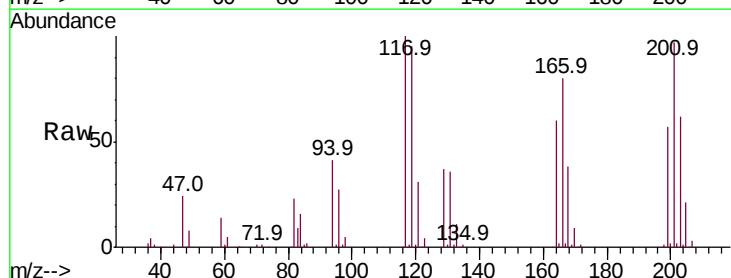
Instrument :
MSVOA_X
ClientSampled :
VX0919WBS01

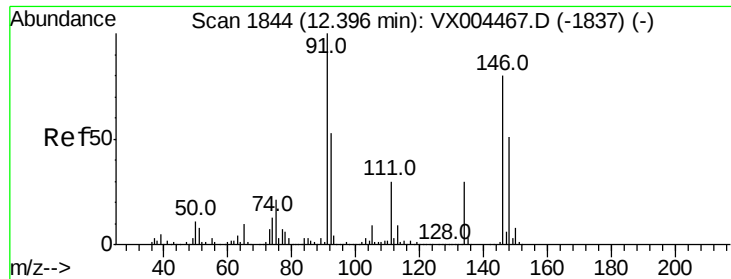
Tot Ion: 91 Resp: 211227
Ion Ratio Lower Upper
91 100
92 53.0 27.3 81.9
134 27.7 13.6 40.7



#90
Hexachloroethane
Concen: 20.327 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004698.D
Acq: 19 Sep 2018 11:53

Tgt Ion: 117 Resp: 36232
Ion Ratio Lower Upper
117 100
201 99.2 46.9 140.6

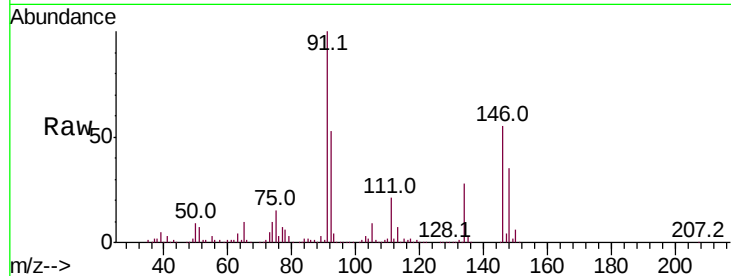




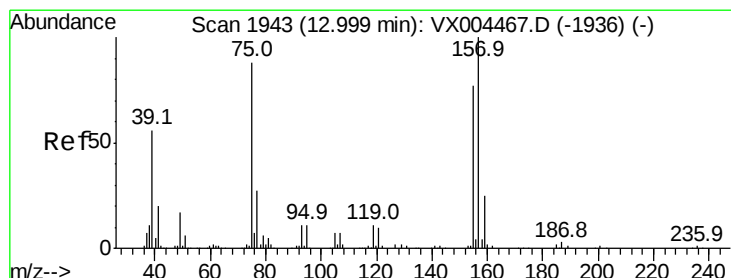
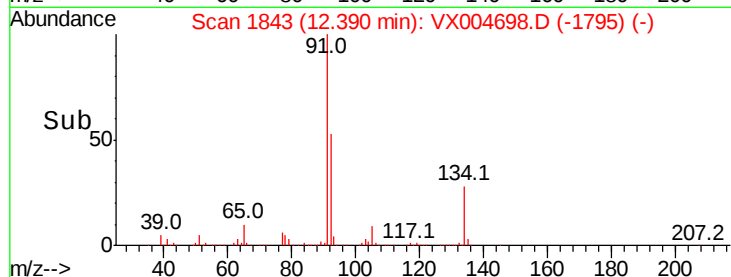
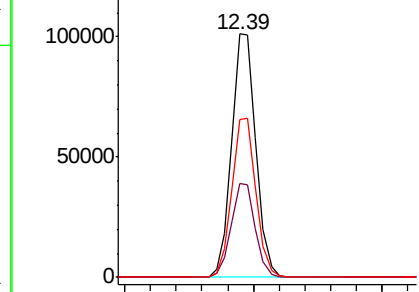
#91
 1,2-Dichlorobenzene
 Concen: 20.735 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0919WBS01

Tot Ion:146 Resp: 133804
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.1
 148 64.9 32.8 98.3

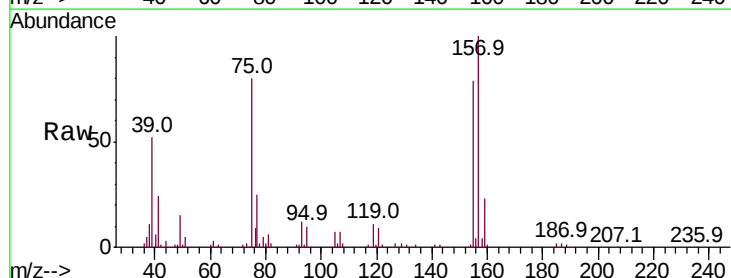


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

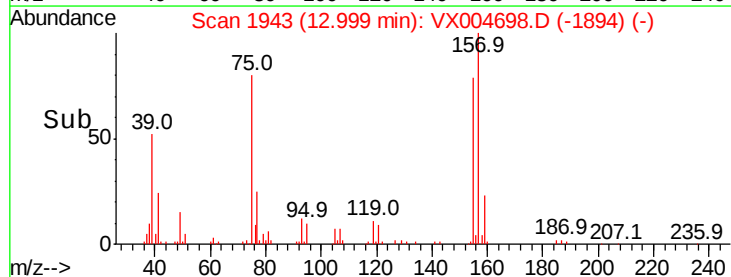
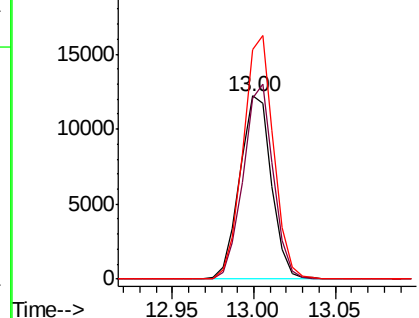


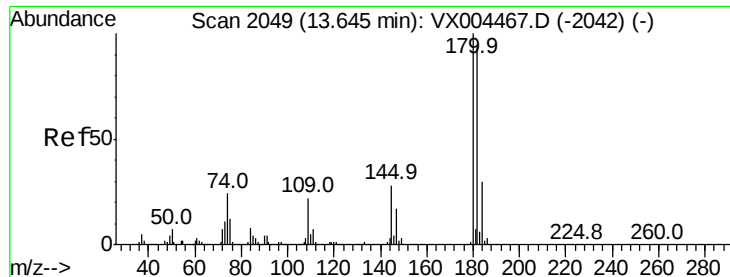
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.348 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion: 75 Resp: 16474
 Ion Ratio Lower Upper
 75 100
 155 100.6 48.0 144.2
 157 128.1 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

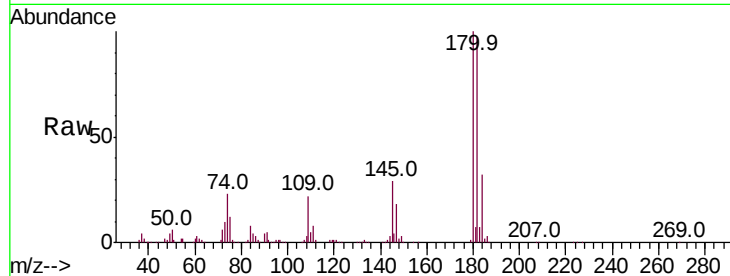




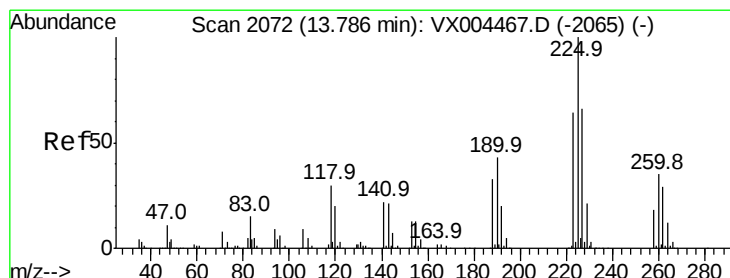
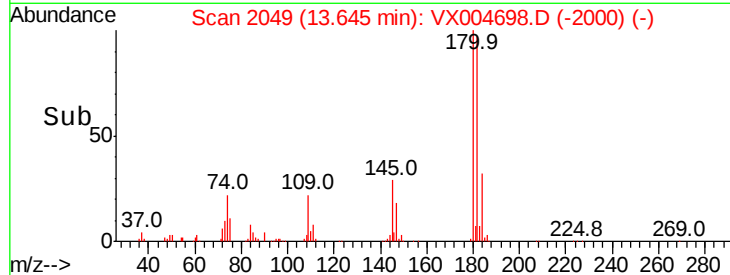
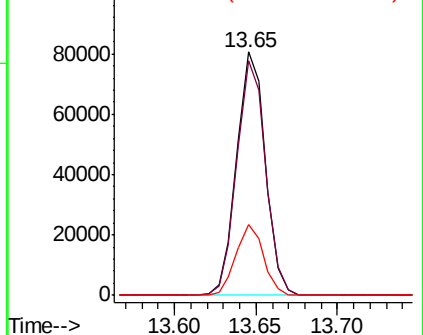
#93
 1,2,4-Trichlorobenzene
 Concen: 21.675 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.4	145.0
145	27.9	14.3	42.9

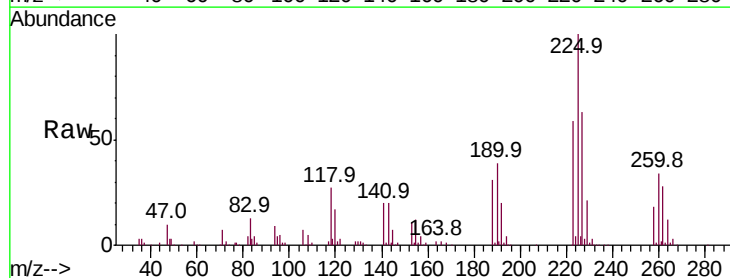


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

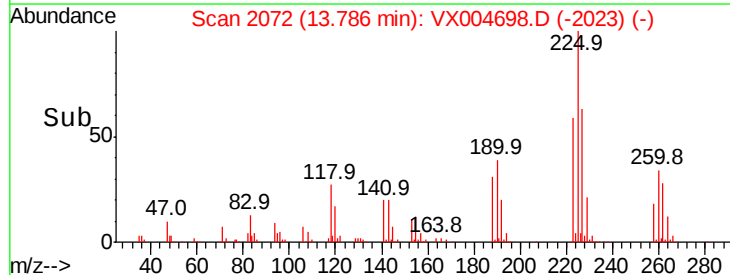
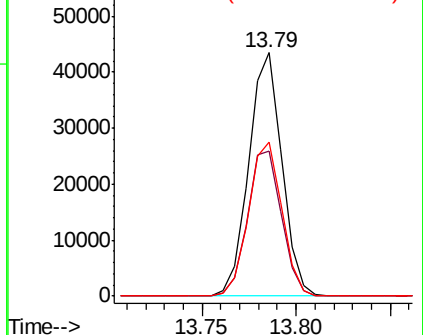


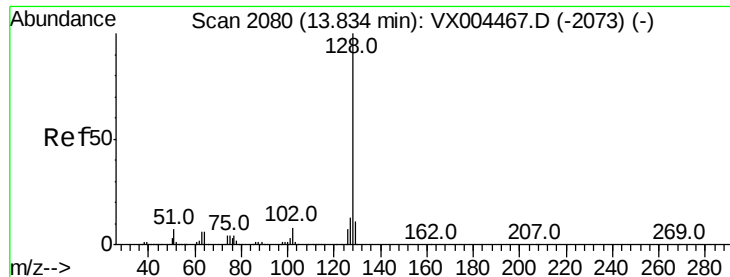
#94
 Hexachlorobutadiene
 Concen: 22.170 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004698.D
 Acq: 19 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.1	90.5
227	63.8	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: 21.442 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBS01

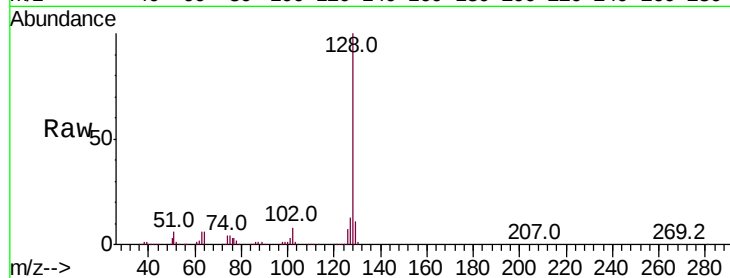
Tot Ion:128 Resp: 274792

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

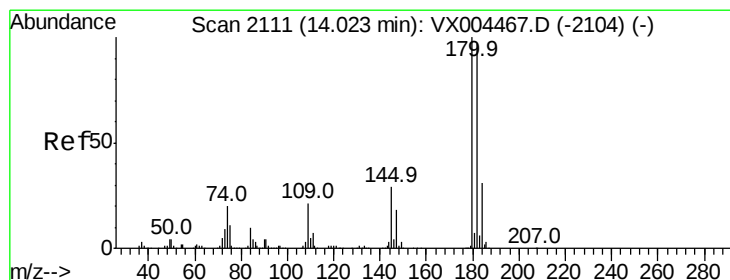
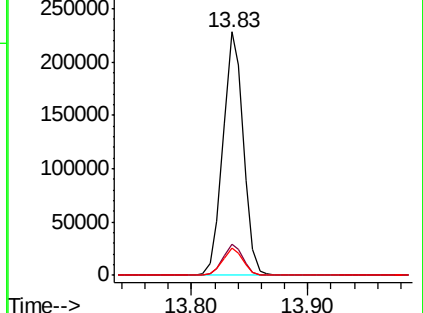
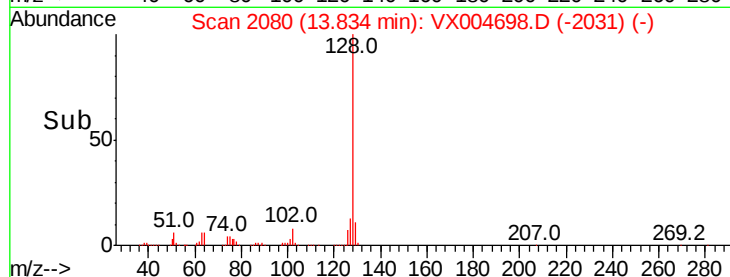
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.763 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004698.D

Acq: 19 Sep 2018 11:53

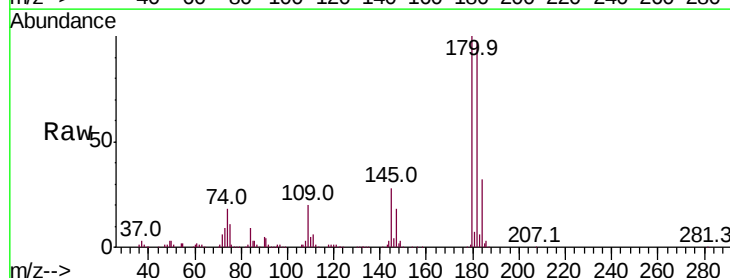
Tgt Ion:180 Resp: 102160

Ion Ratio Lower Upper

180 100

182 94.8 48.5 145.6

145 28.9 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

