

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004695.D
 Acq On : 19 Sep 2018 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 19 16:45:15 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	5.65	168	273211	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	333159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	155536	44.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.30%	
35) Dibromofluoromethane	5.50	113	143480	47.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.12%	
50) Toluene-d8	8.71	98	476481	46.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.14	95	180123	49.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123046	48.055	ug/l	97
3) Chloromethane	1.32	50	164905	46.796	ug/l	99
4) Vinyl Chloride	1.40	62	182263	50.394	ug/l	94
5) Bromomethane	1.64	94	74688	49.303	ug/l	98
6) Chloroethane	1.71	64	107653	46.028	ug/l	97
7) Trichlorofluoromethane	1.93	101	224122	46.743	ug/l	88
8) Diethyl Ether	2.19	74	103667	48.228	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	150534	49.491	ug/l	97
10) Methyl Iodide	2.51	142	164028	45.530	ug/l	96
11) Tert butyl alcohol	3.06	59	187981	223.629	ug/l	99
12) 1,1-Dichloroethene	2.37	96	141121	49.434	ug/l	95
13) Acrolein	2.30	56	49078	147.906	ug/l	94
14) Allyl chloride	2.73	41	274945	46.847	ug/l	94
15) Acrylonitrile	3.15	53	454159	224.360	ug/l	99
16) Acetone	2.44	43	372685	216.754	ug/l	98
17) Carbon Disulfide	2.57	76	370042	44.846	ug/l	100
18) Methyl Acetate	2.78	43	239321	49.611	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	482669	48.187	ug/l	95
20) Methylene Chloride	2.85	84	162530	46.080	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	152004	48.186	ug/l	88
22) Diisopropyl ether	3.87	45	526837	49.841	ug/l	95
23) Vinyl Acetate	3.82	43	2131395	249.169	ug/l	98
24) 1,1-Dichloroethane	3.70	63	298332	49.990	ug/l	98
25) 2-Butanone	4.70	43	589566	215.450	ug/l	94
26) 2,2-Dichloropropane	4.58	77	232759	56.785	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	181109	51.431	ug/l	97
28) Bromochloromethane	5.01	49	118721	43.491	ug/l	98
29) Tetrahydrofuran	5.15	42	385287	233.473	ug/l	96
30) Chloroform	5.21	83	284347	48.803	ug/l	96
31) Cyclohexane	5.57	56	252038	49.460	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	226243	48.213	ug/l	98
36) 1,1-Dichloropropene	5.79	75	209142	51.707	ug/l	94
37) Ethyl Acetate	4.85	43	224086	48.712	ug/l	99
38) Carbon Tetrachloride	5.78	117	206552	52.284	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	239050	56.636	ug/l	97
40) Benzene	6.14	78	623939	51.991	ug/l	97
41) Methacrylonitrile	5.06	41	123801	48.844	ug/l	99
42) 1,2-Dichloroethane	6.20	62	197241	49.554	ug/l	98
43) Isopropyl Acetate	6.45	43	324837	53.165	ug/l	98
44) Trichloroethene	7.21	130	171420	54.981	ug/l	99
45) 1,2-Dichloropropane	7.51	63	148569	51.449	ug/l	99
46) Dibromomethane	7.66	93	92738	50.834	ug/l	97
47) Bromodichloromethane	7.90	83	178009	51.597	ug/l	99
48) Methyl methacrylate	7.77	41	151275	50.028	ug/l	97
49) 1,4-Dioxane	7.76	88	73068	1020.953	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	961929	223.089	ug/l	99
52) Toluene	8.79	92	356489	50.419	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	208150	51.649	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	227127	55.286	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	144431	47.441	ug/l	98
56) Ethyl methacrylate	9.18	69	216713	50.317	ug/l	96
57) 1,3-Dichloropropane	9.37	76	237206	47.953	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	521197	237.882	ug/l	98
59) 2-Hexanone	9.49	43	747801	226.103	ug/l	99
60) Dibromochloromethane	9.59	129	150023	52.343	ug/l	99
61) 1,2-Dibromoethane	9.67	107	149087	51.262	ug/l	100
64) Tetrachloroethene	9.34	164	207486	53.094	ug/l	98
65) Chlorobenzene	10.14	112	408715	52.569	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	146073	54.482	ug/l	99
67) Ethyl Benzene	10.26	91	690087	54.587	ug/l	99
68) m/p-Xylenes	10.36	106	546661	112.257	ug/l	98
69) o-Xylene	10.70	106	263257	56.231	ug/l	100
70) Styrene	10.71	104	443725	57.209	ug/l	99
71) Bromoform	10.86	173	120465	54.722	ug/l	99
73) Isopropylbenzene	11.02	105	713593	55.143	ug/l	99
74) N-amyl acetate	10.90	43	277093	50.872	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	195522	46.841	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	254252	64.314	ug/l	86
77) Bromobenzene	11.26	156	191045	53.411	ug/l	99
78) n-propylbenzene	11.36	91	829226	55.730	ug/l	99
79) 2-Chlorotoluene	11.42	91	476337	52.784	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	608519	55.936	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	69524	56.056	ug/l	90
82) 4-Chlorotoluene	11.51	91	561495	53.311	ug/l	98
83) tert-Butylbenzene	11.77	119	576580	55.670	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	627209	56.468	ug/l	99
85) sec-Butylbenzene	11.94	105	750534	56.866	ug/l	100
86) p-Isopropyltoluene	12.07	119	676981	58.085	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	361781	54.211	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	361726	52.457	ug/l	99
89) n-Butylbenzene	12.39	91	609407	57.379	ug/l	98
90) Hexachloroethane	12.60	117	104276	55.887	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	361100	53.459	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44751	50.210	ug/l	93

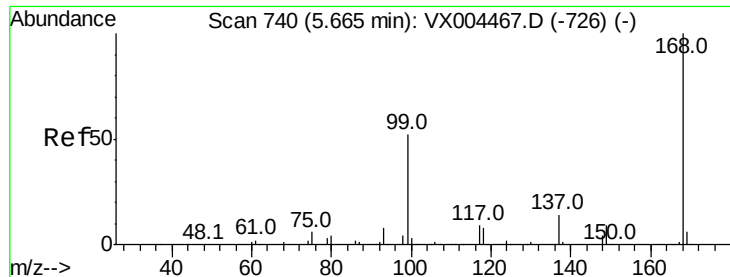
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	282777	59.123	ug/l	98
94) Hexachlorobutadiene	13.79	225	147594	59.077	ug/l	97
95) Naphthalene	13.83	128	768287	57.272	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	281116	57.211	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

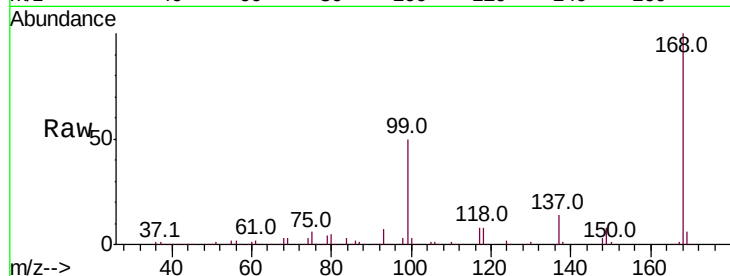
ClientSampleId :

Tot Ion:168 Resp: 273211

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

60000

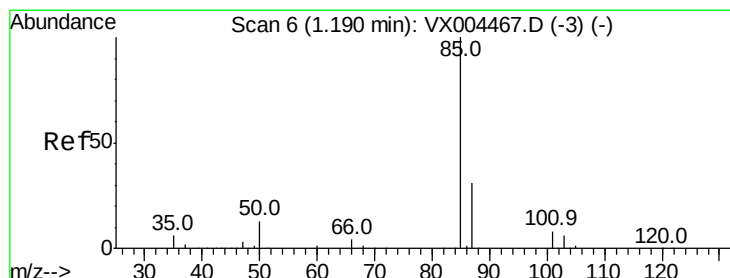
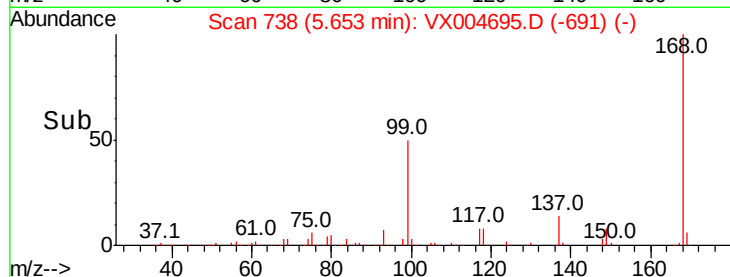
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.055 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004695.D

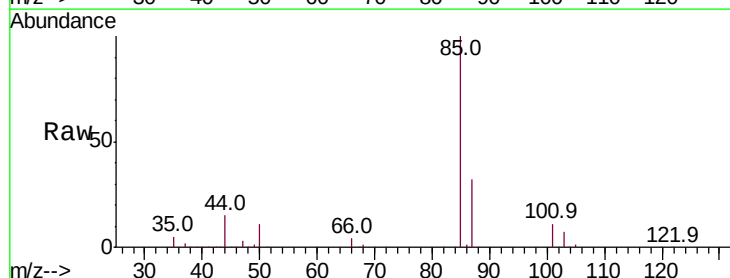
Acq: 19 Sep 2018 10:04

Tgt Ion: 85 Resp: 123046

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

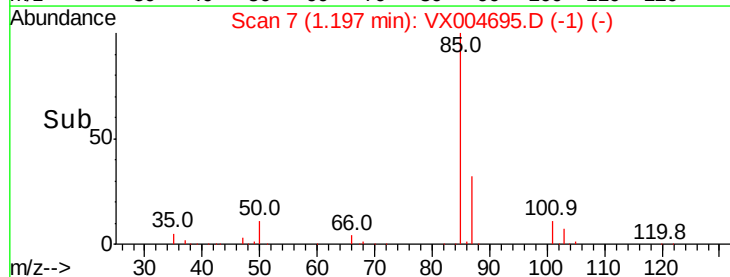
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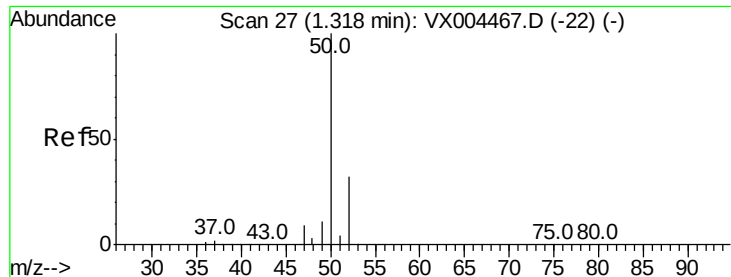
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.796 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

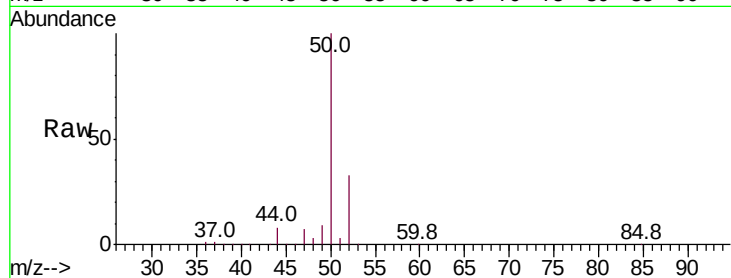
ClientSampleId :

Tot Ion: 50 Resp: 164905

Ion Ratio Lower Upper

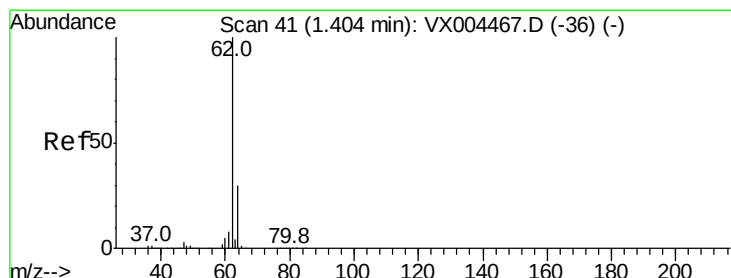
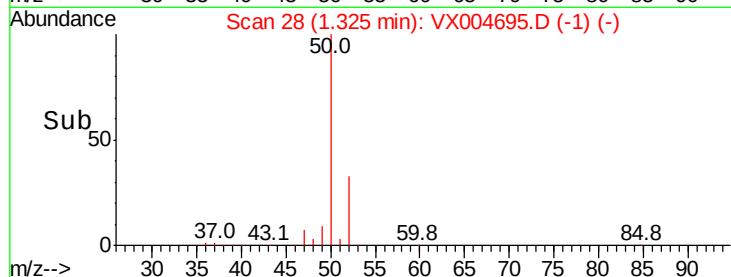
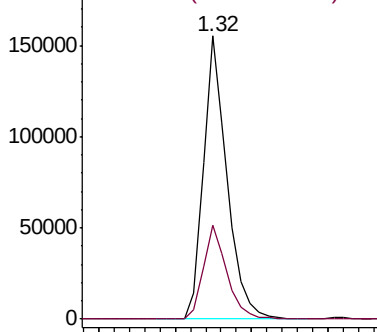
50 100

52 33.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.394 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004695.D

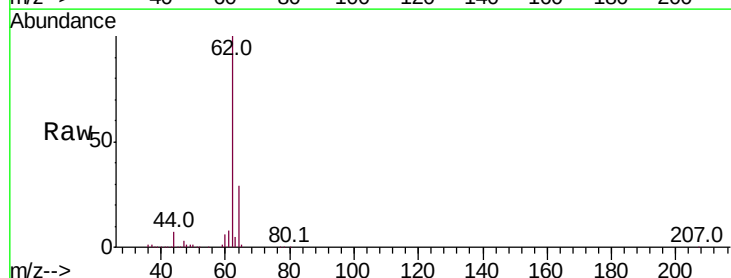
Acq: 19 Sep 2018 10:04

Tgt Ion: 62 Resp: 182263

Ion Ratio Lower Upper

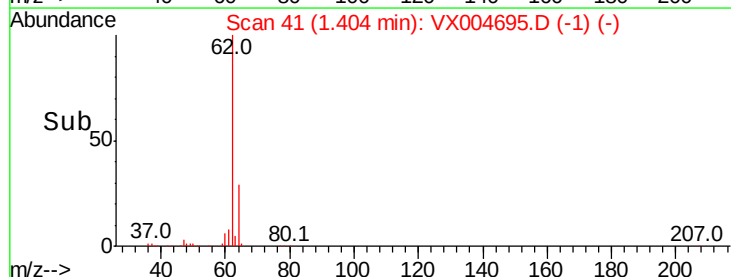
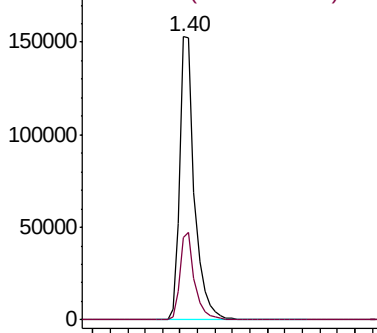
62 100

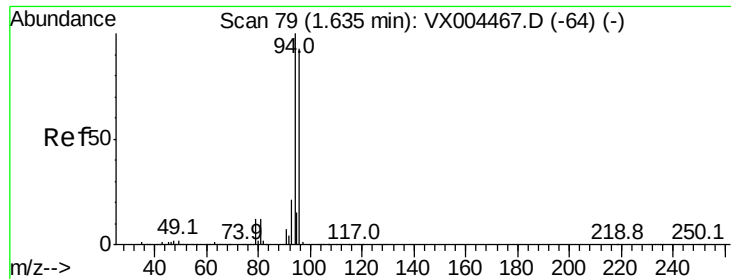
64 29.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.303 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

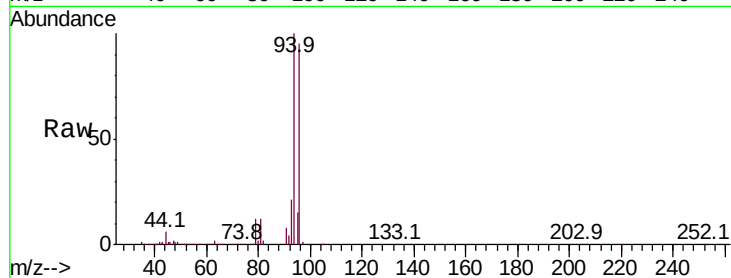
ClientSampleId :

Tot Ion: 94 Resp: 74688

Ion Ratio Lower Upper

94 100

96 94.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

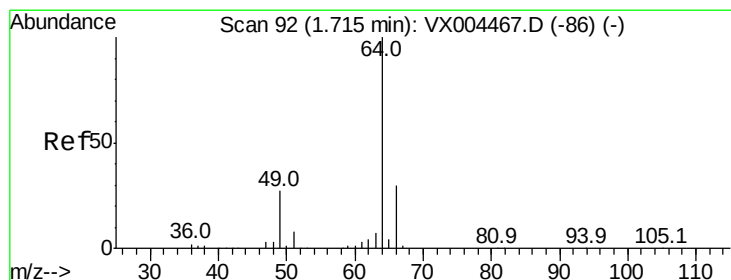
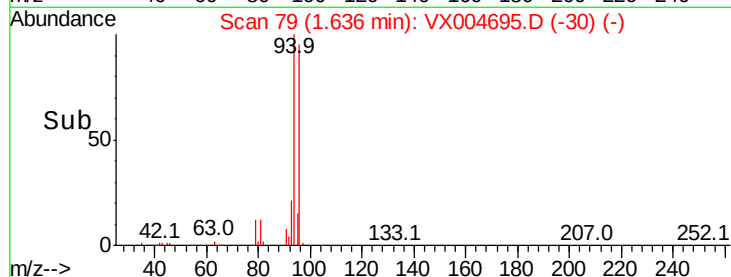
40000

20000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 46.028 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004695.D

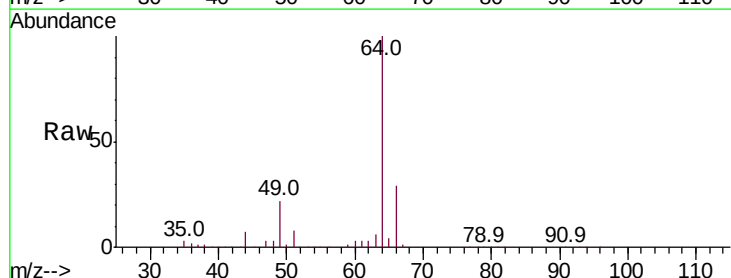
Acq: 19 Sep 2018 10:04

Tgt Ion: 64 Resp: 107653

Ion Ratio Lower Upper

64 100

66 29.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

60000

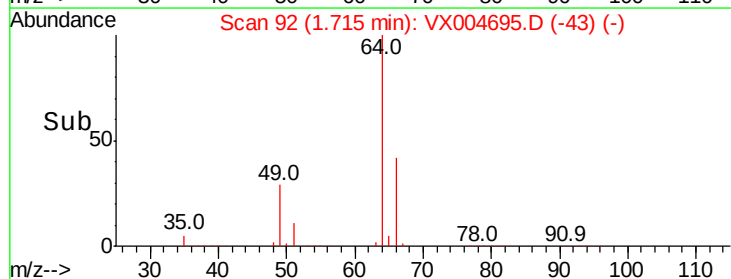
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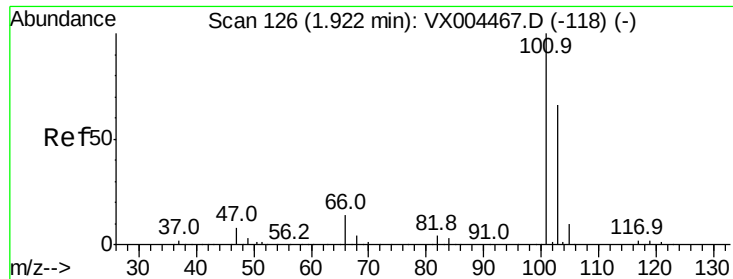
20000

0

1.60 1.70 1.80 1.90

Time-->



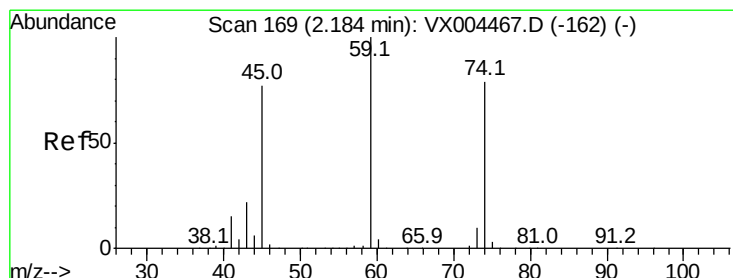
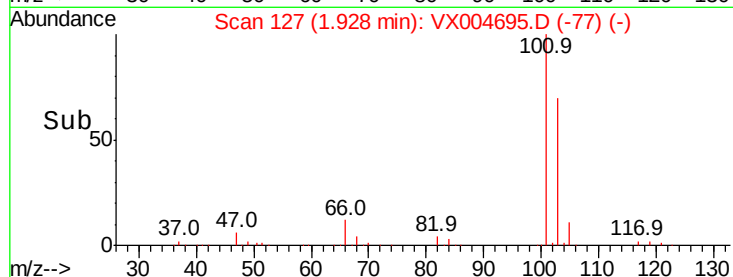
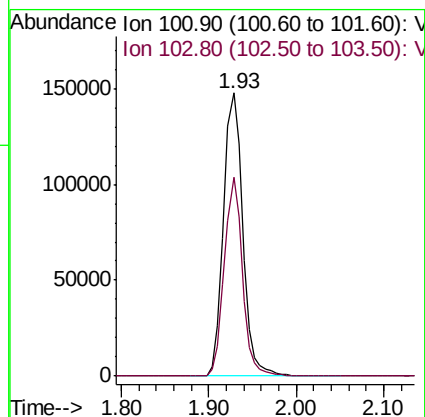
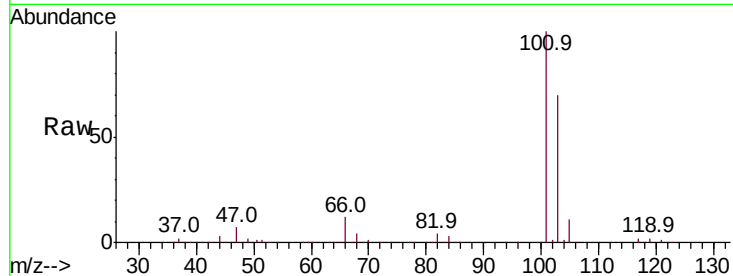


#7

Trichlorofluoromethane
 Concen: 46.743 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :

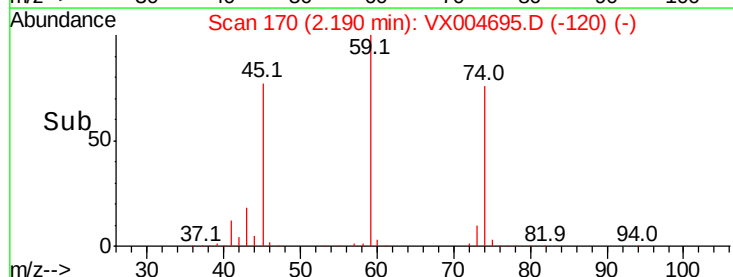
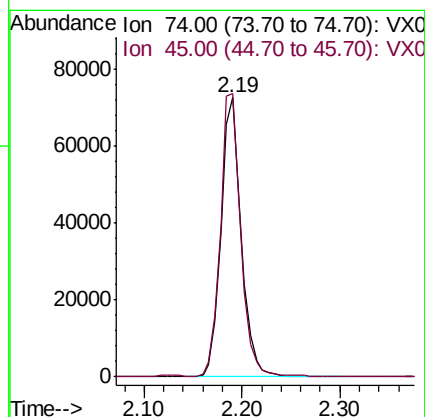
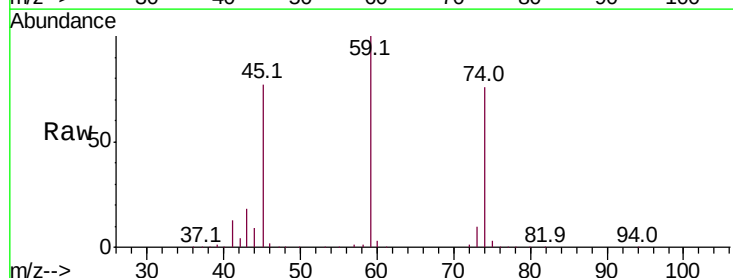
Tot Ion:101 Resp: 224122
 Ion Ratio Lower Upper
 101 100
 103 70.3 48.9 73.3

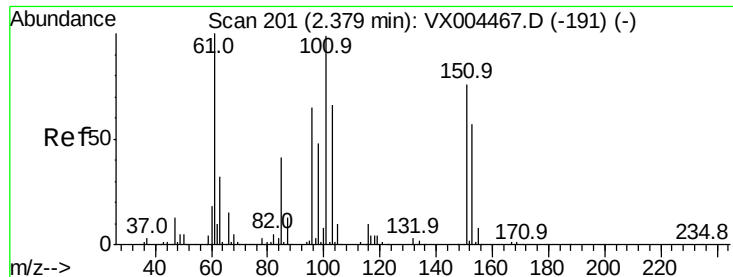


#8

Diethyl Ether
 Concen: 48.228 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion: 74 Resp: 103667
 Ion Ratio Lower Upper
 74 100
 45 102.0 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.491 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

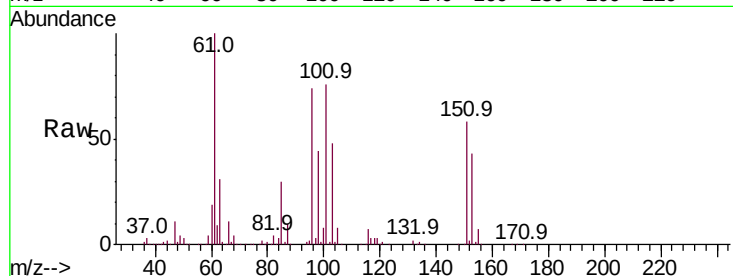
Tot Ion:101 Resp: 150534

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

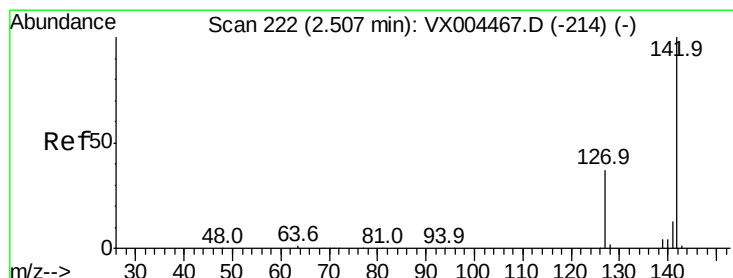
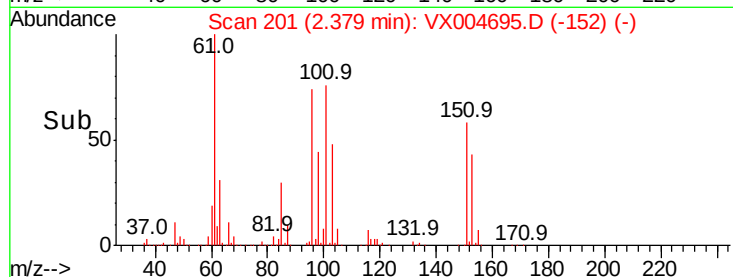
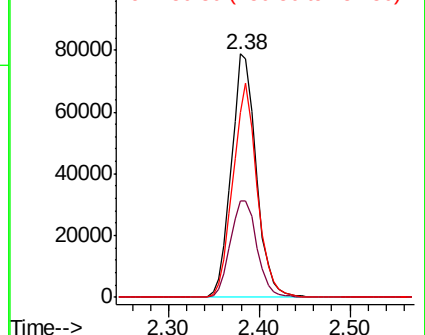
151 85.1 65.0 97.6



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: 45.530 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

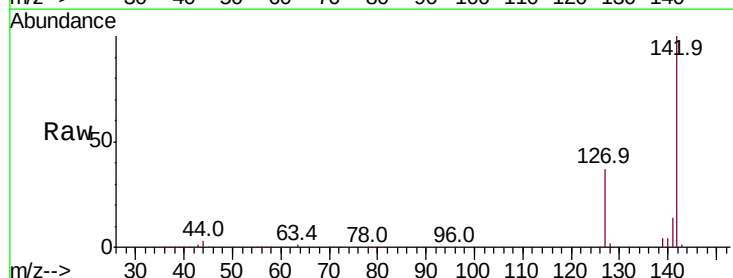
Tgt Ion:142 Resp: 164028

Ion Ratio Lower Upper

142 100

127 38.5 33.8 50.6

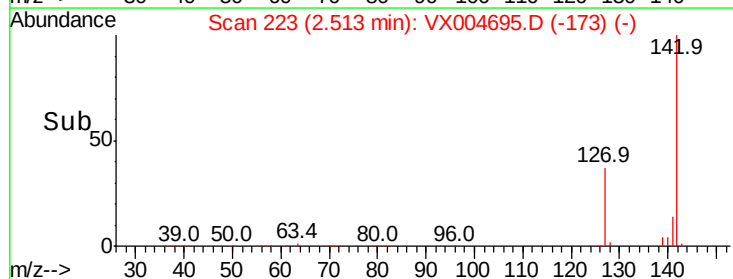
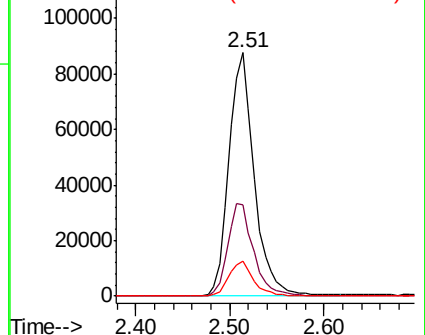
141 14.0 11.4 17.0

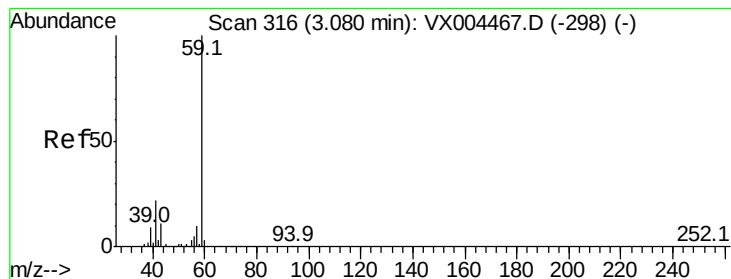


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



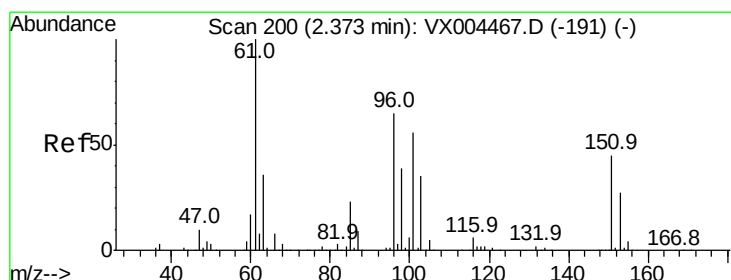
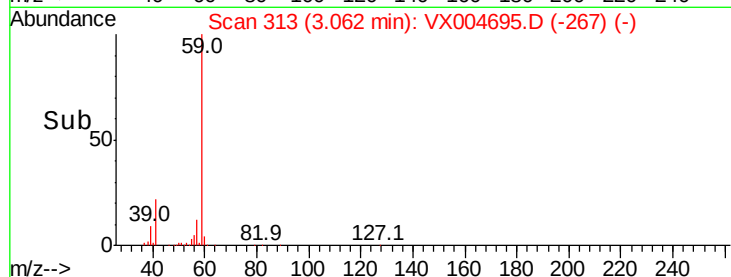
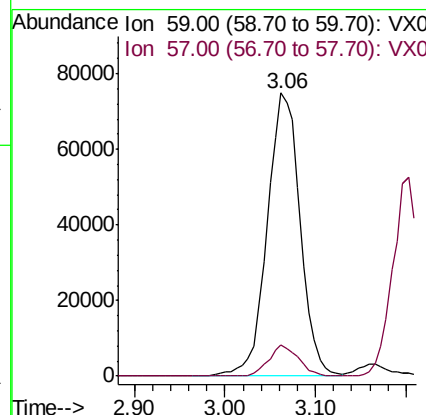
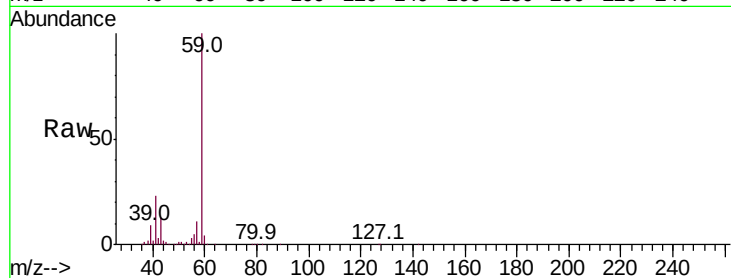


#11

Tert butyl alcohol
Concen: 223.629 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :

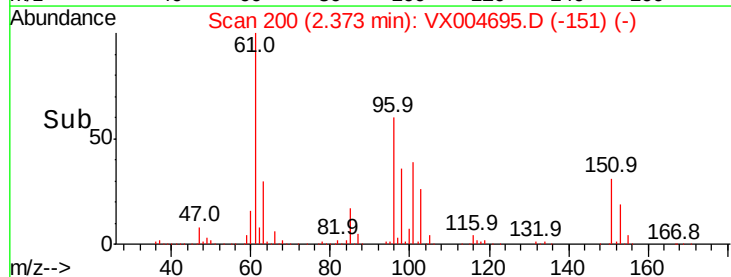
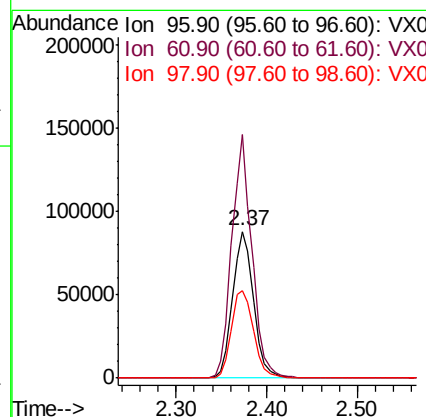
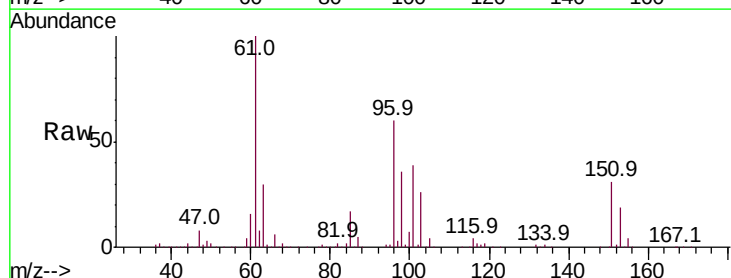
Tot Ion: 59 Resp: 187981
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

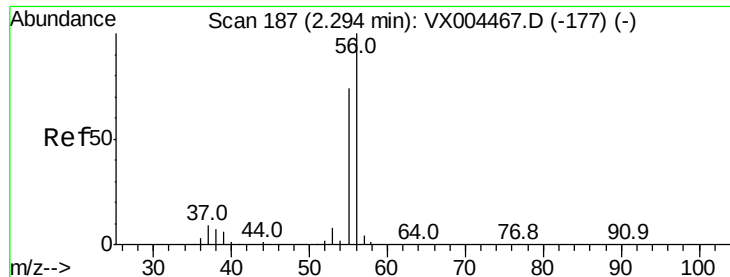


#12

1,1-Dichloroethene
Concen: 49.434 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion: 96 Resp: 141121
Ion Ratio Lower Upper
96 100
61 166.1 128.8 193.2
98 59.8 52.2 78.2





#13

Acrolein

Concen: 147.906 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

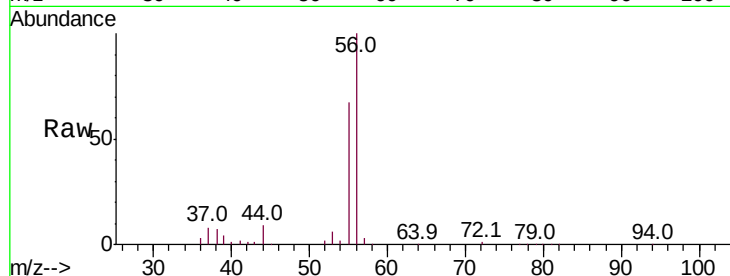
ClientSampleId :

Tot Ion: 56 Resp: 49078

Ion Ratio Lower Upper

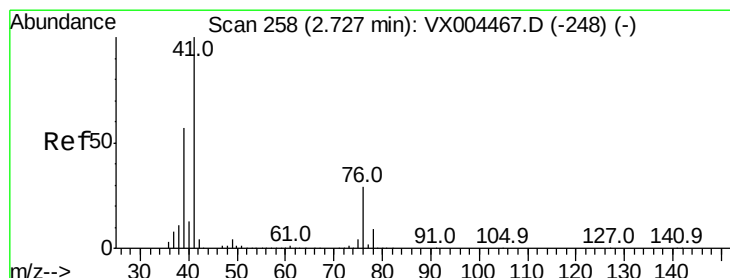
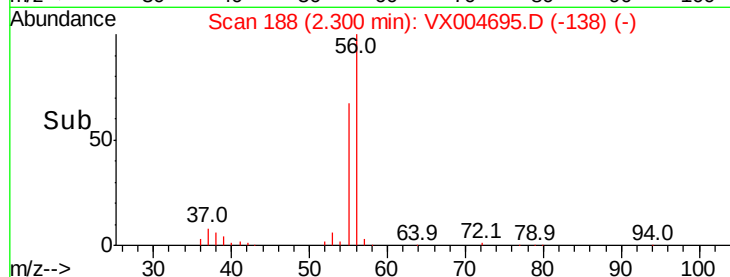
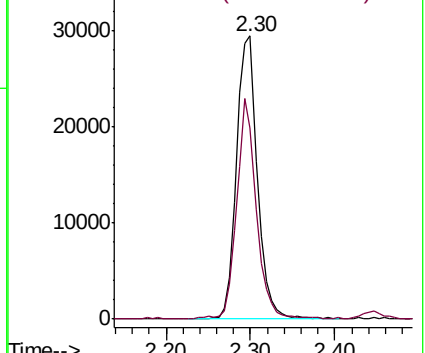
56 100

55 73.4 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.847 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

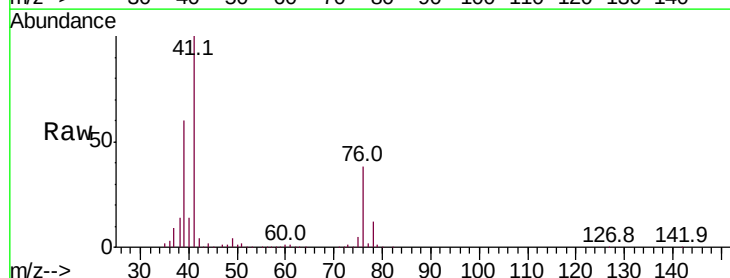
Tgt Ion: 41 Resp: 274945

Ion Ratio Lower Upper

41 100

39 54.5 48.9 73.3

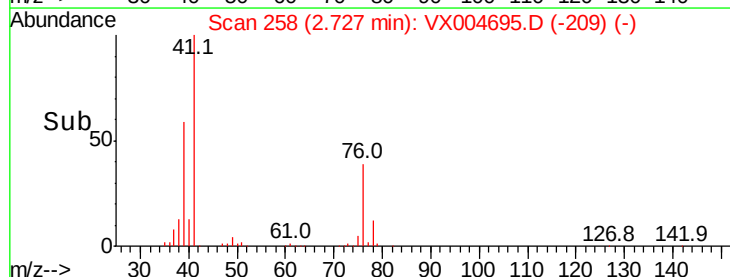
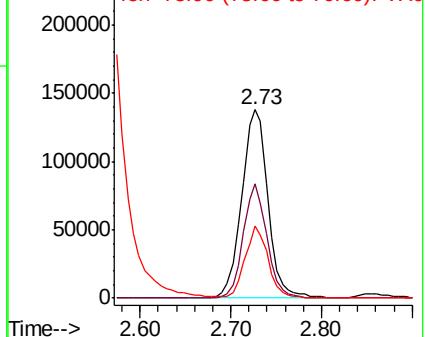
76 33.7 26.7 40.1

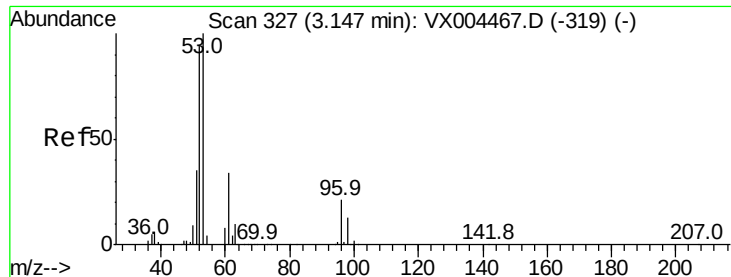


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 224.360 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

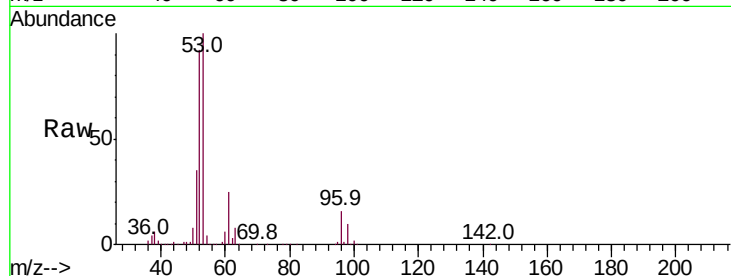
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 53 Resp: 454159

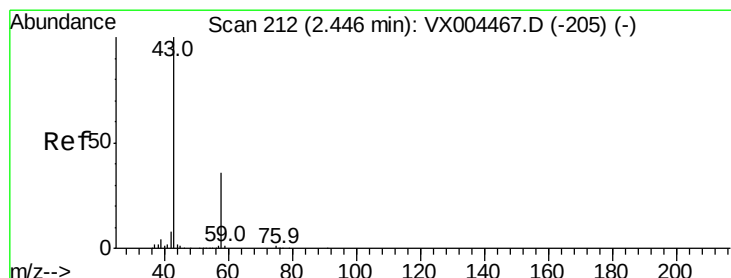
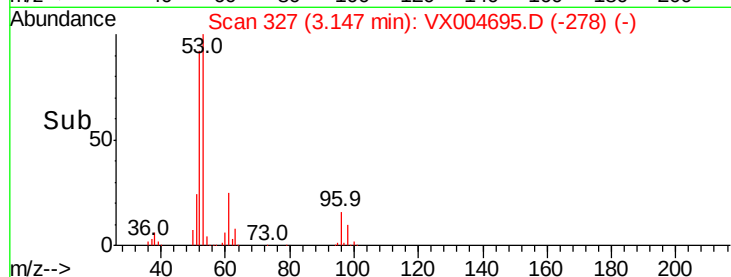
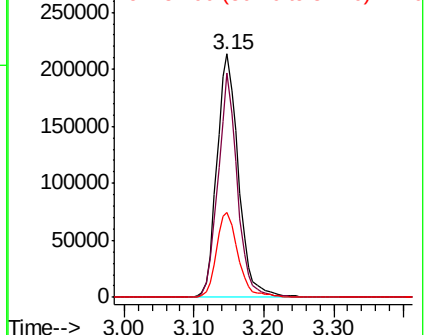
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	35.1	28.2	42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 216.754 ug/l

RT: 2.44 min Scan# 211

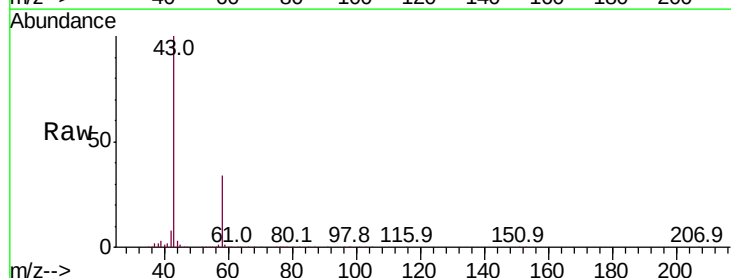
Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

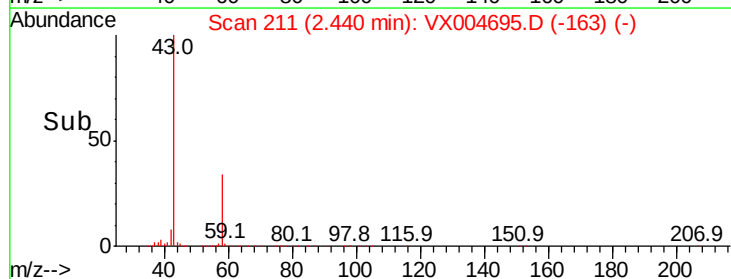
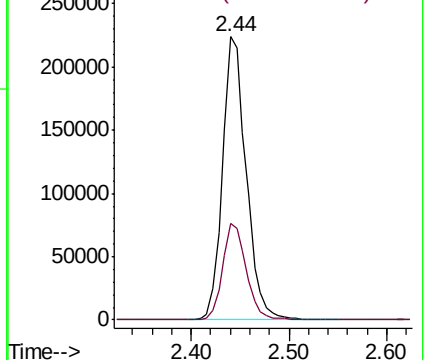
Tgt Ion: 43 Resp: 372685

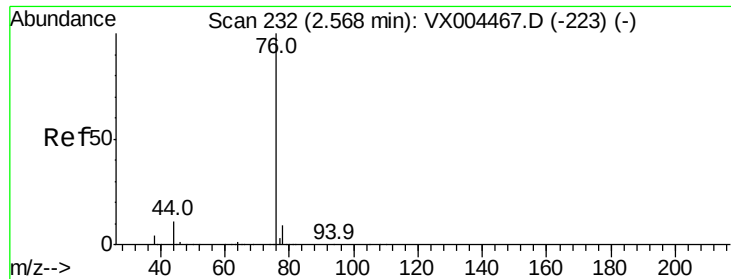
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.2	39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.846 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

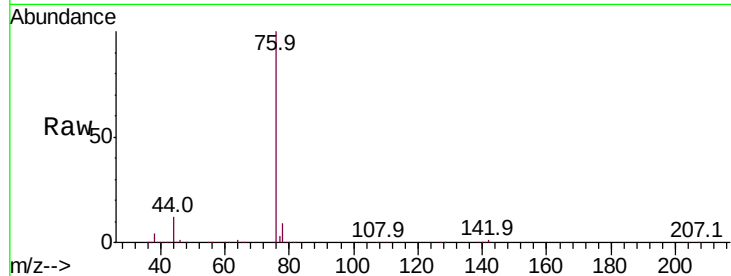
ClientSampleId :

Tot Ion: 76 Resp: 370042

Ion Ratio Lower Upper

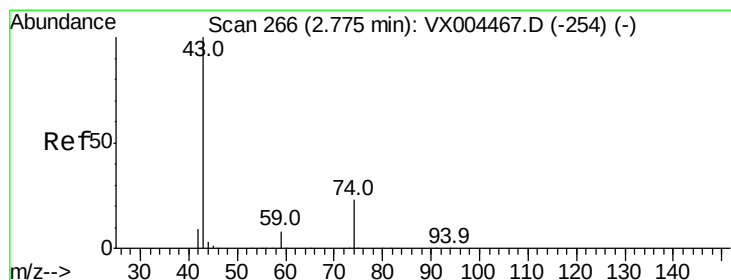
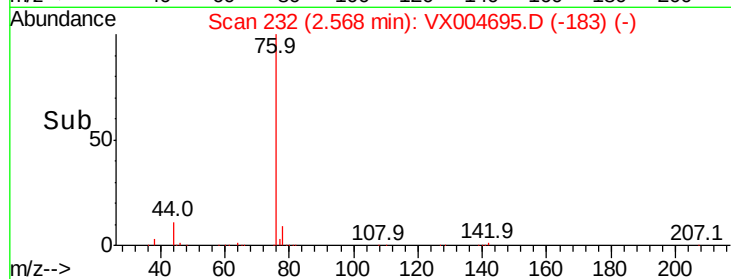
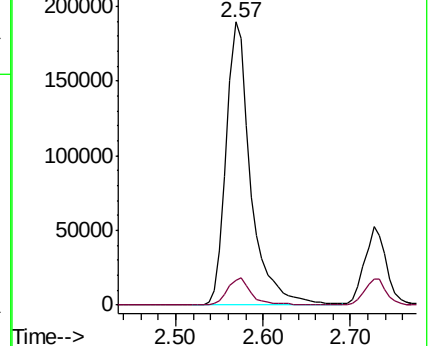
76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.611 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004695.D

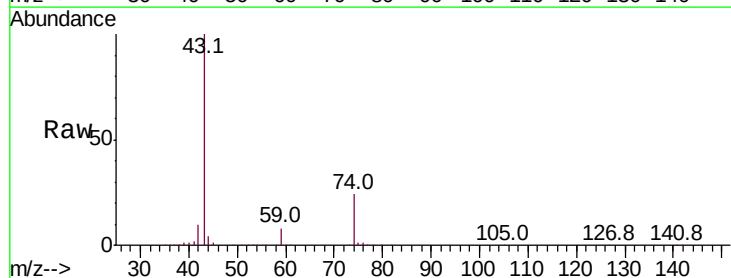
Acq: 19 Sep 2018 10:04

Tgt Ion: 43 Resp: 239321

Ion Ratio Lower Upper

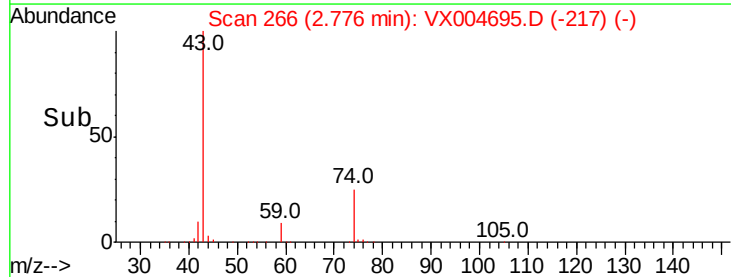
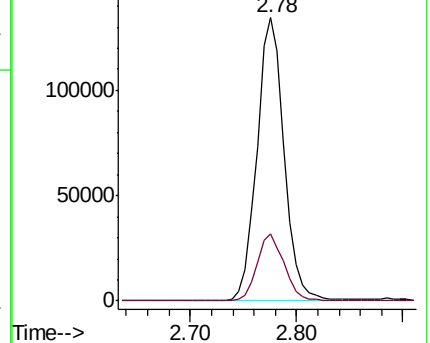
43 100

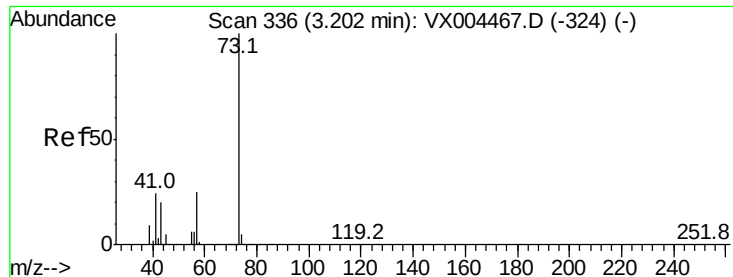
74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



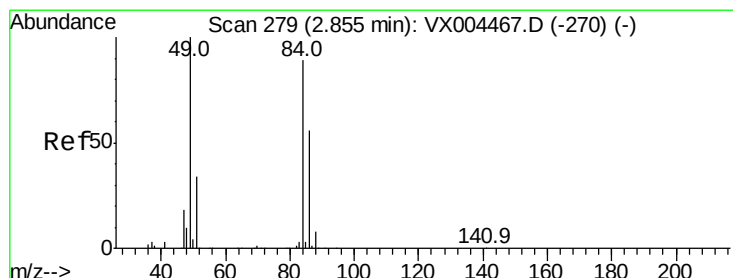
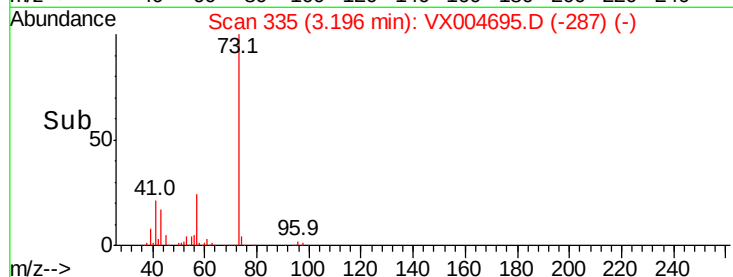
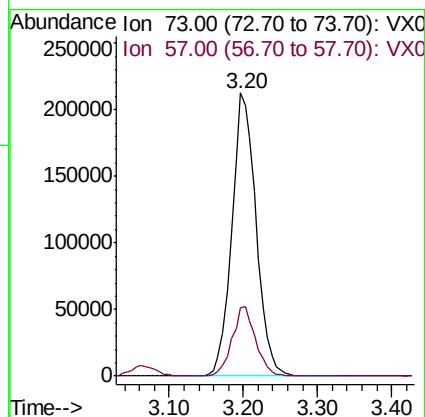
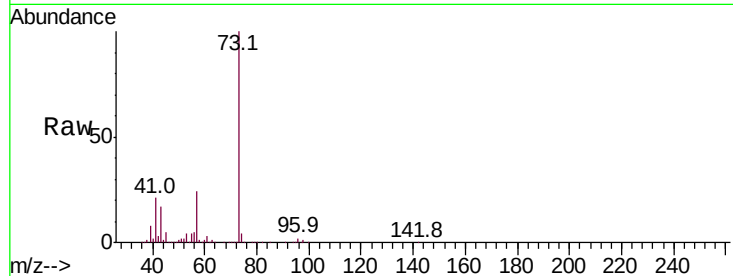


#19

Methyl tert-butyl Ether
 Concen: 48.187 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :

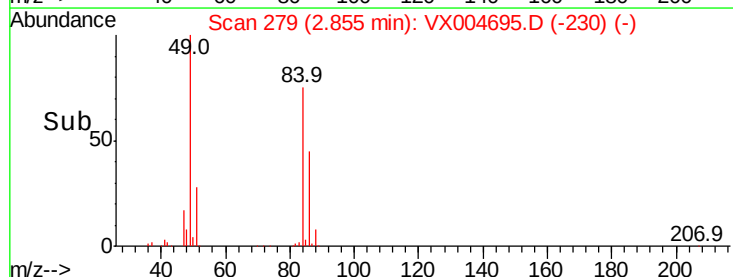
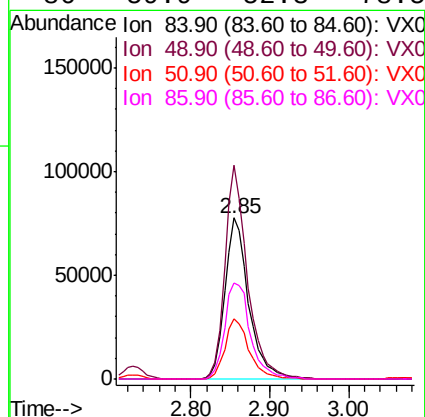
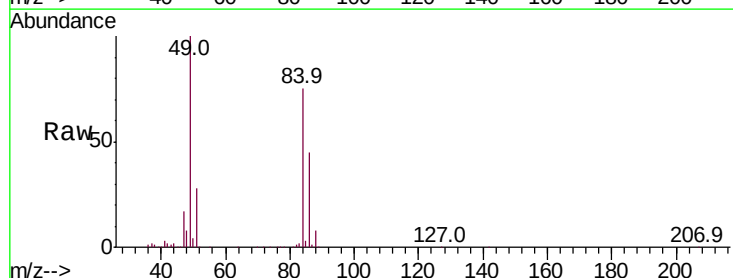
Tot Ion: 73 Resp: 482669
 Ion Ratio Lower Upper
 73 100
 57 24.0 17.1 25.7

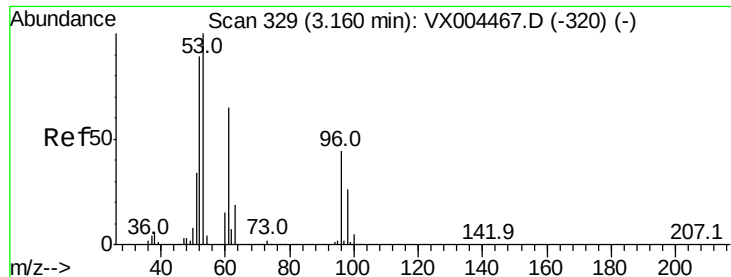


#20

Methylene Chloride
 Concen: 46.080 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion: 84 Resp: 162530
 Ion Ratio Lower Upper
 84 100
 49 132.7 101.2 151.8
 51 37.2 29.5 44.3
 86 59.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.186 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

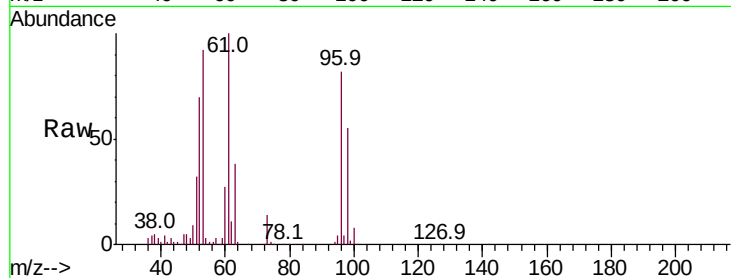
Tot Ion: 96 Resp: 152004

Ion Ratio Lower Upper

96 100

61 122.3 113.8 170.6

98 67.2 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

150000

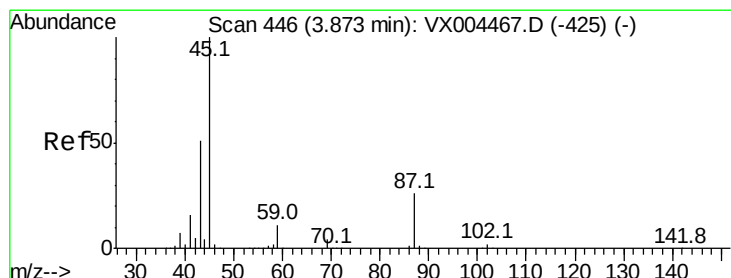
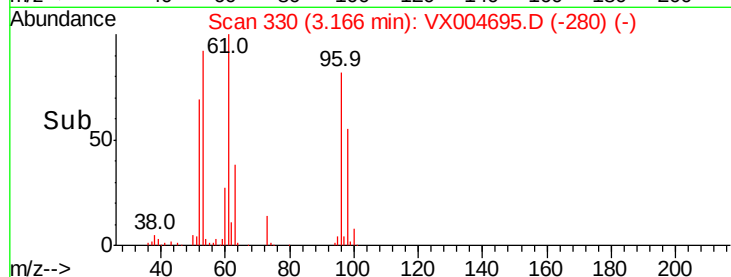
100000

50000

0

3.10 3.20 3.30

Time-->



#22

Diisopropyl ether

Concen: 49.841 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion: 45 Resp: 526837

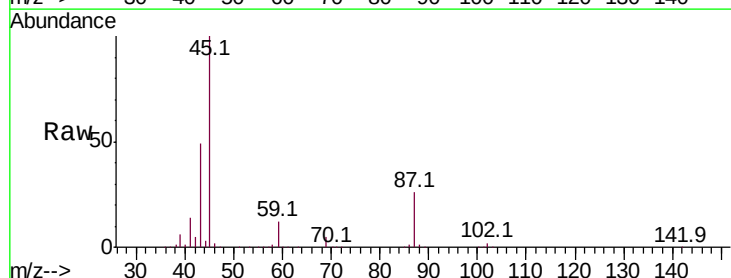
Ion Ratio Lower Upper

45 100

43 49.0 42.8 64.2

87 25.5 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

1200000

1000000

800000

600000

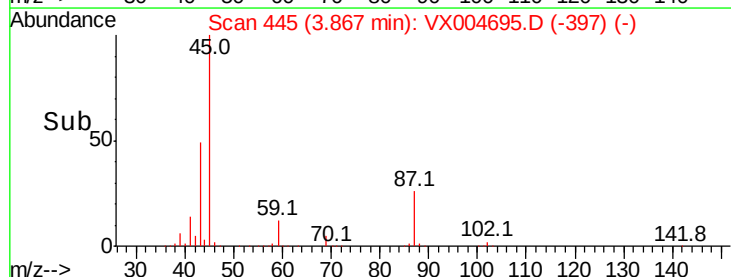
400000

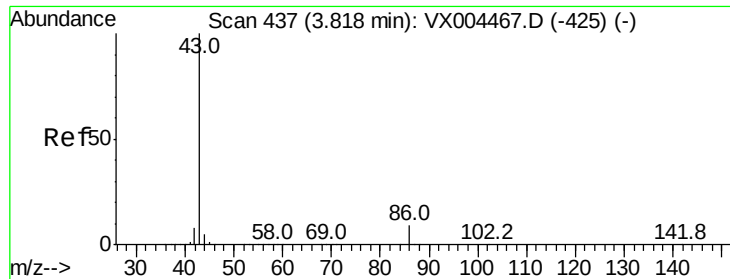
200000

0

3.80 4.00

Time-->





#23

Vinyl Acetate

Concen: 249.169 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

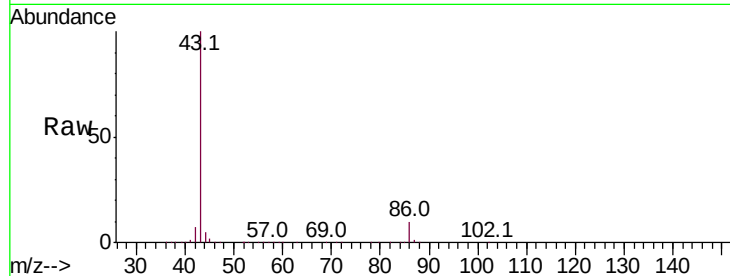
ClientSampleId :

Tot Ion: 43 Resp: 2131395

Ion Ratio Lower Upper

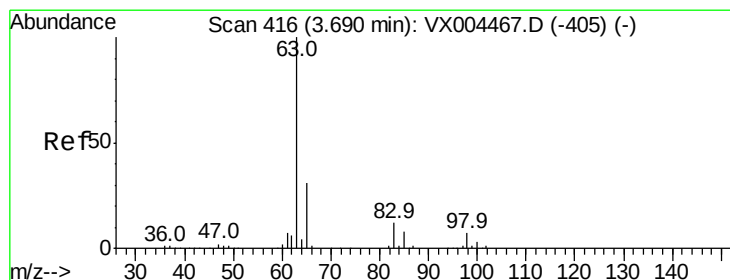
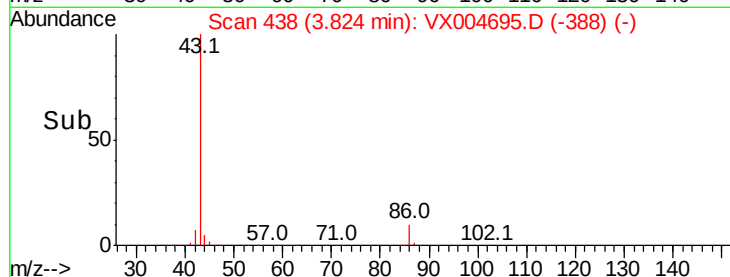
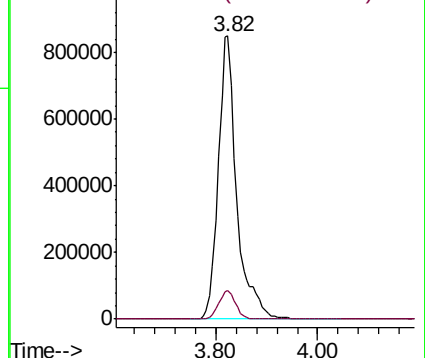
43 100

86 10.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.990 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

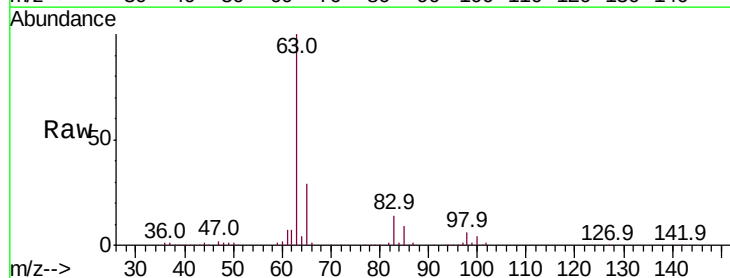
Tgt Ion: 63 Resp: 298332

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

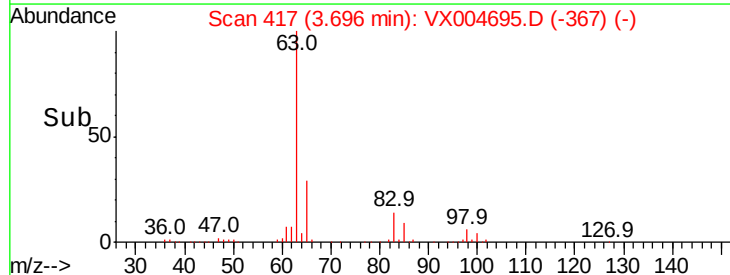
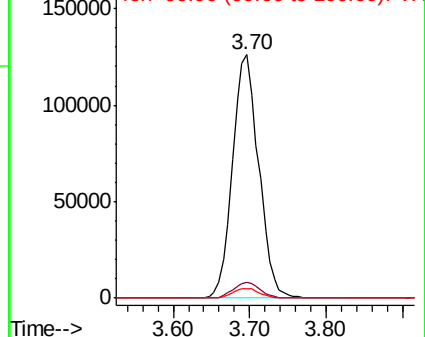
100 3.9 2.4 7.1

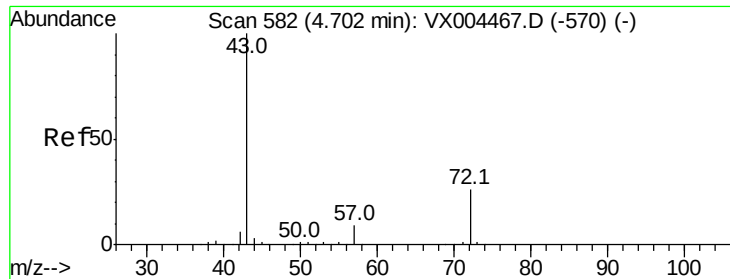


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 215.450 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

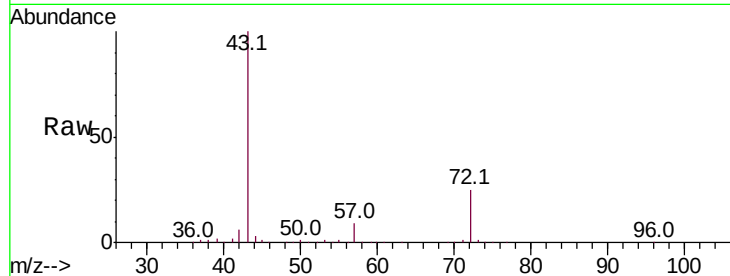
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 589566

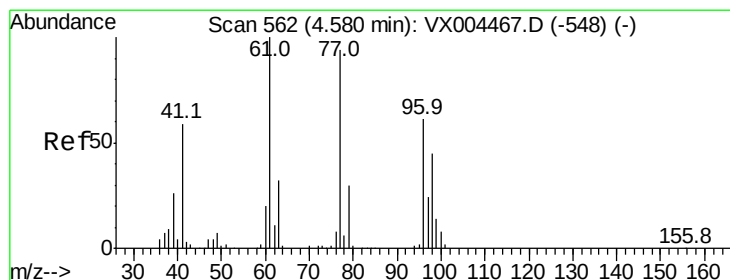
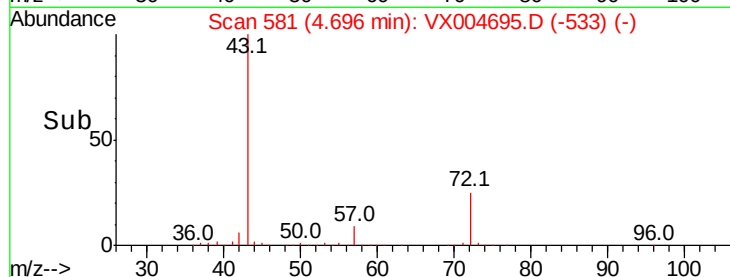
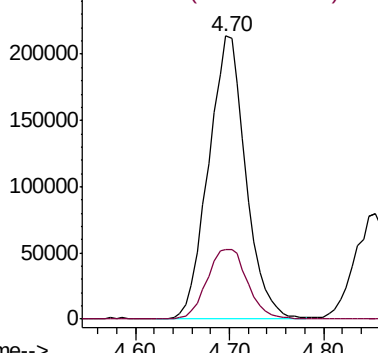
Ion Ratio Lower Upper

43 100

72 24.5 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 56.785 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004695.D

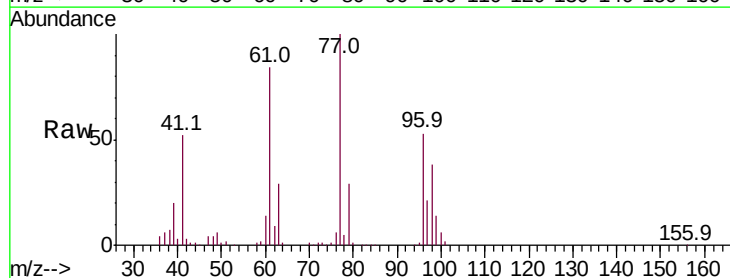
Acq: 19 Sep 2018 10:04

Tgt Ion: 77 Resp: 232759

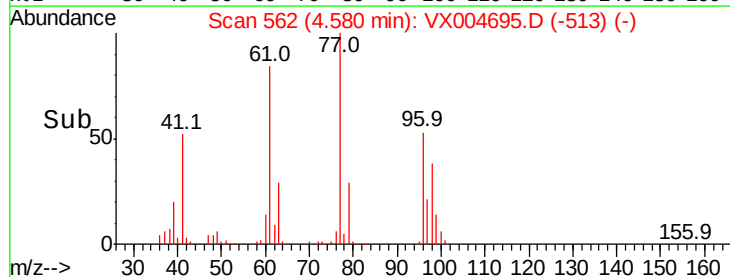
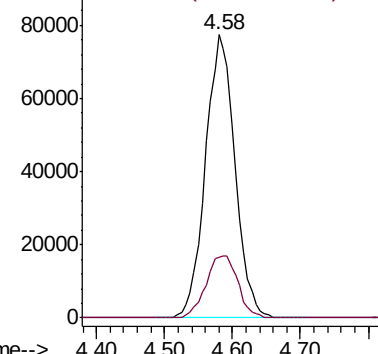
Ion Ratio Lower Upper

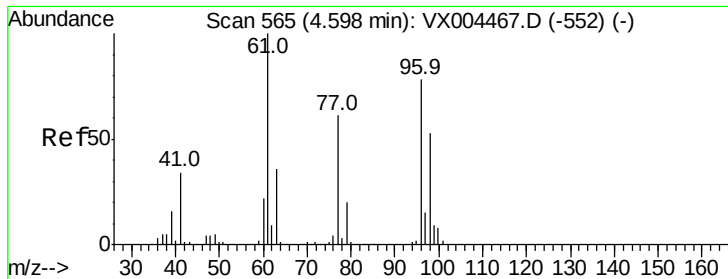
77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0



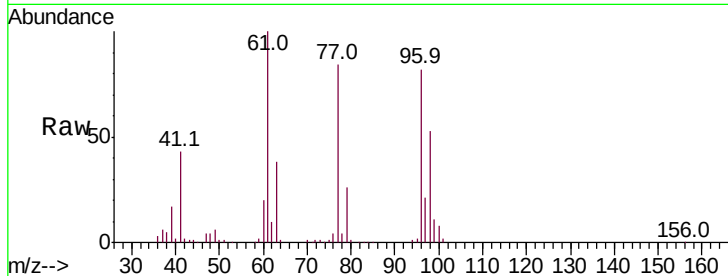


#27

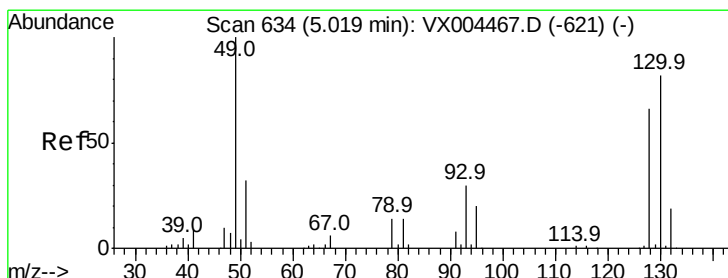
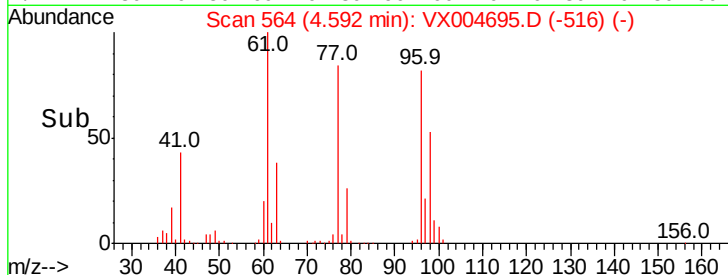
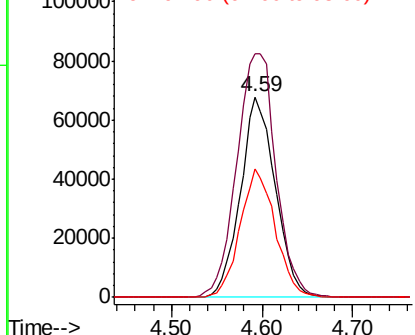
cis-1,2-Dichloroethene
 Concen: 51.431 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 181109
 Ion Ratio Lower Upper
 96 100
 61 136.4 0.0 282.6
 98 64.4 0.0 130.2



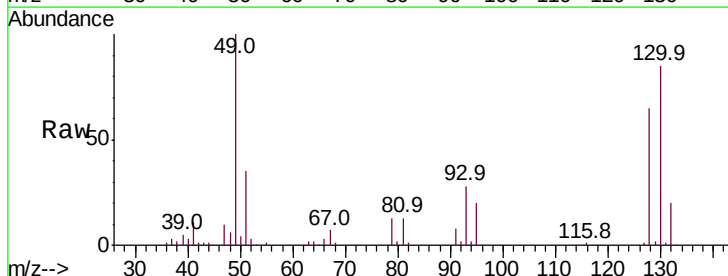
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



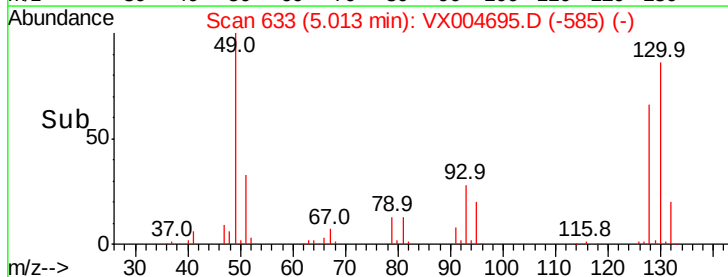
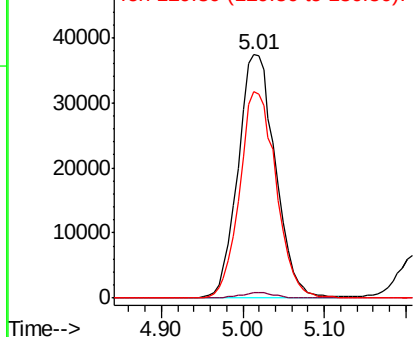
#28

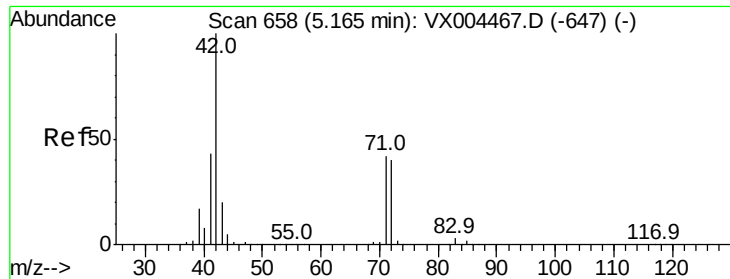
Bromochloromethane
 Concen: 43.491 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion: 49 Resp: 118721
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 82.9 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: 233.473 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

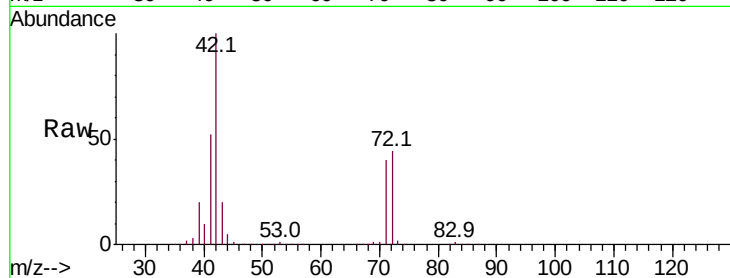
Tot Ion: 42 Resp: 385287

Ion Ratio Lower Upper

42 100

72 44.3 37.4 56.0

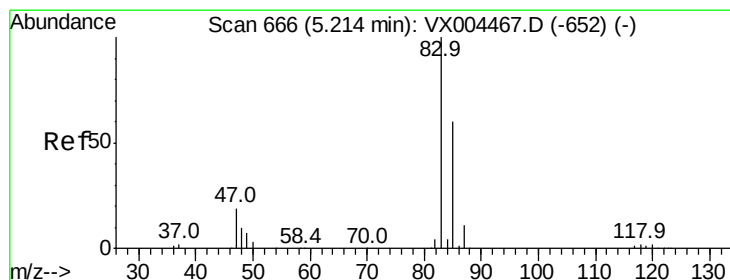
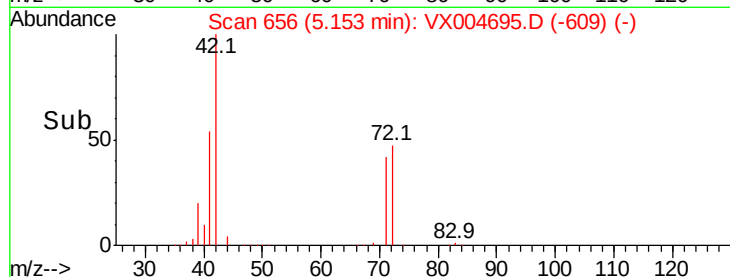
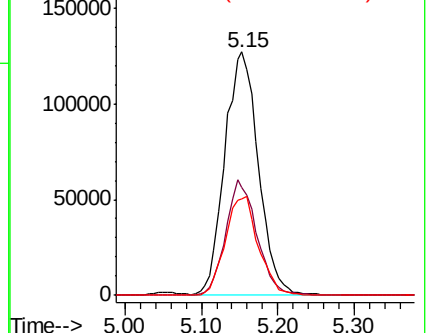
71 40.2 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.803 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX004695.D

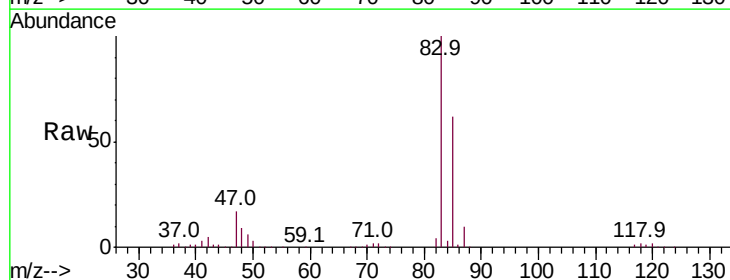
Acq: 19 Sep 2018 10:04

Tgt Ion: 83 Resp: 284347

Ion Ratio Lower Upper

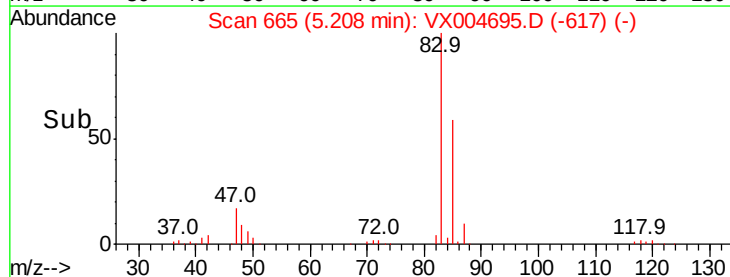
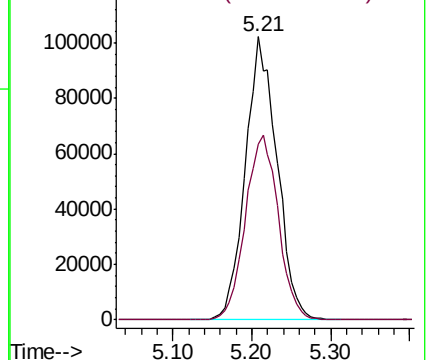
83 100

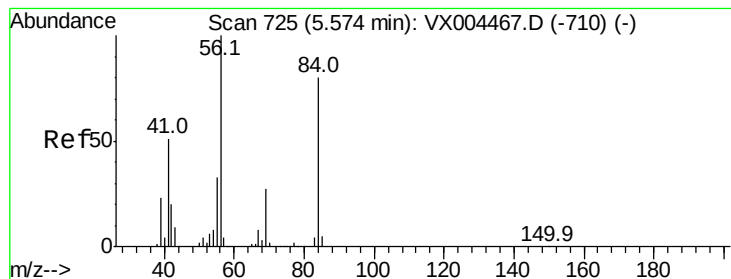
85 62.3 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 49.460 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

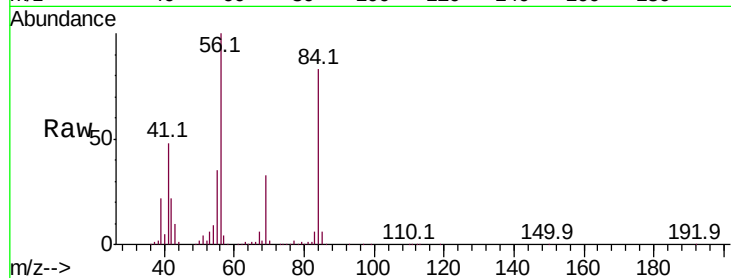
Tot Ion: 56 Resp: 252038

Ion Ratio Lower Upper

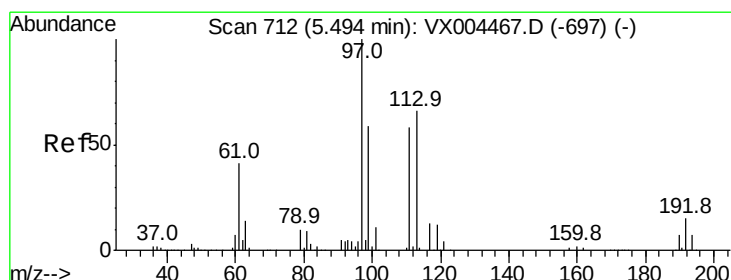
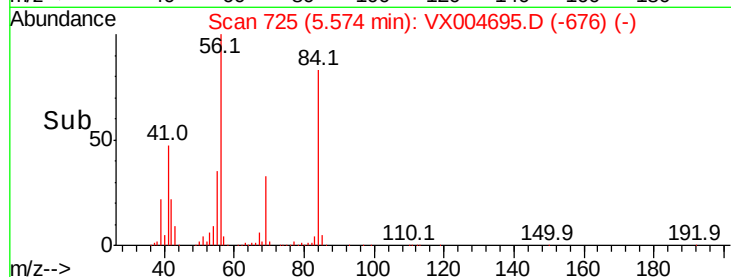
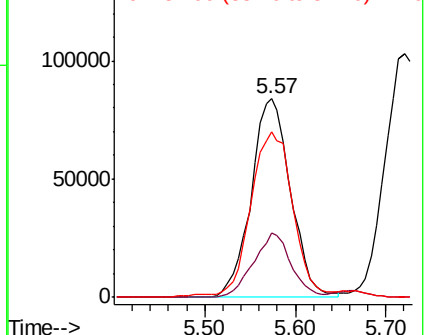
56 100

69 32.6 25.4 38.2

84 82.2 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: 48.213 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

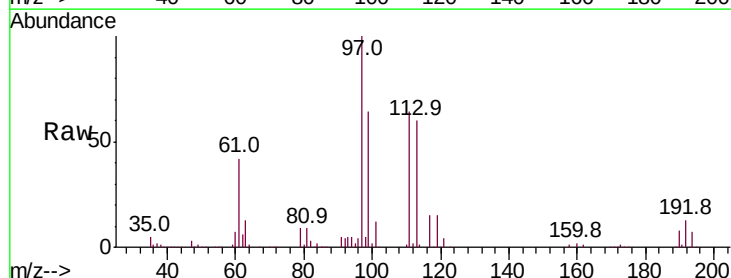
Tgt Ion: 97 Resp: 226243

Ion Ratio Lower Upper

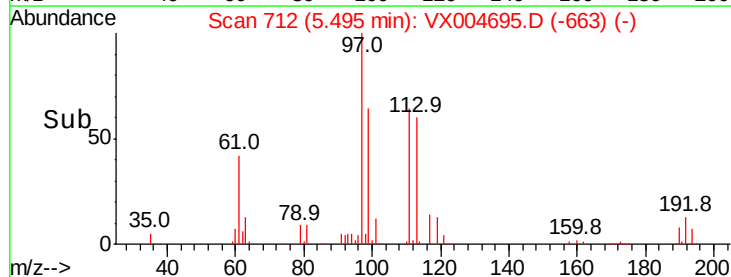
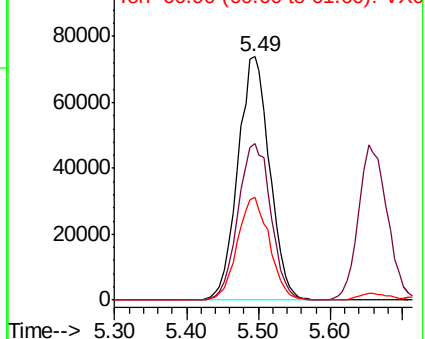
97 100

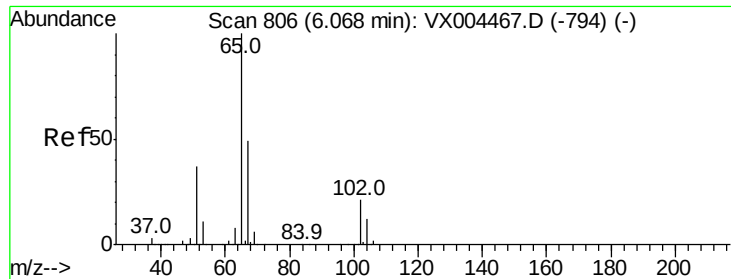
99 66.6 52.0 78.0

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

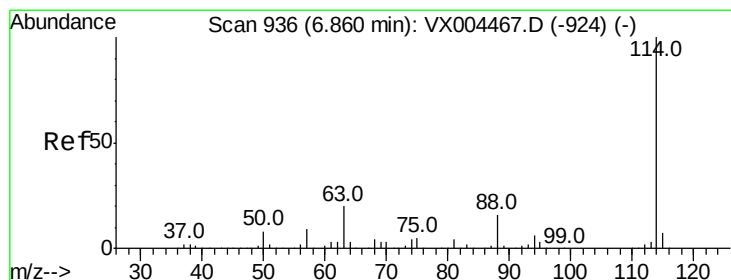
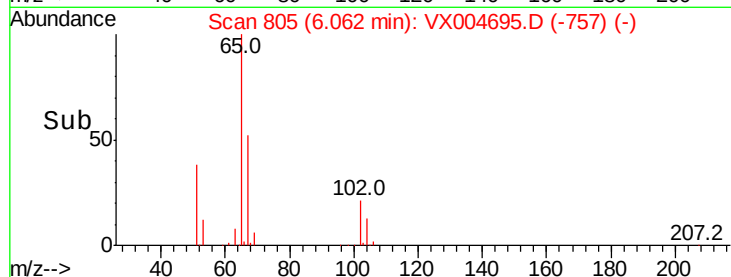
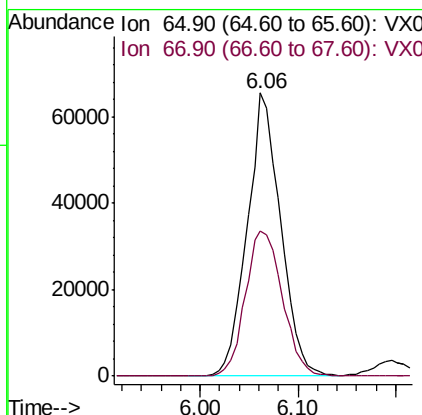
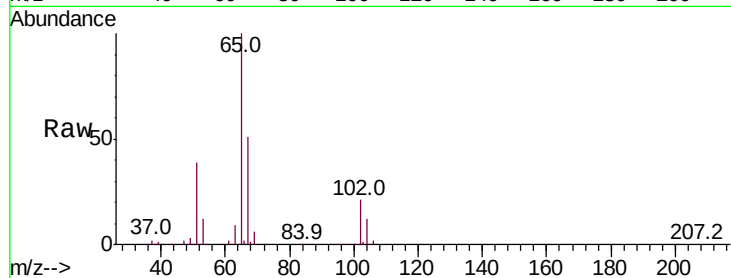




#33
 1,2-Dichloroethane-d4
 Concen: 44.151 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

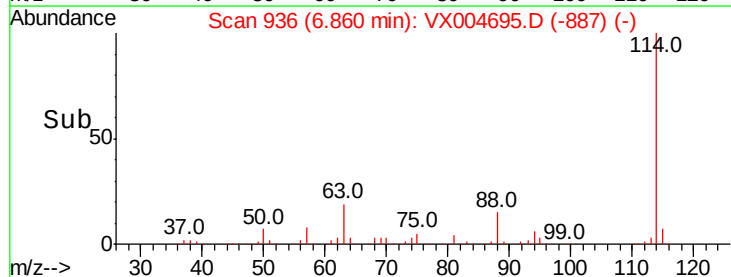
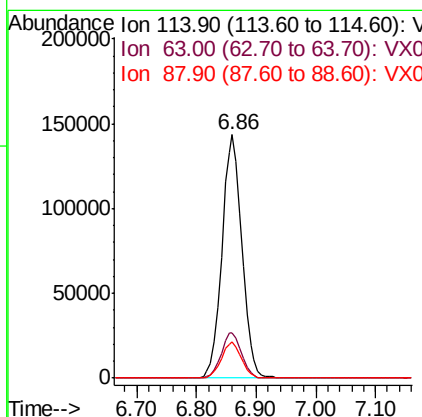
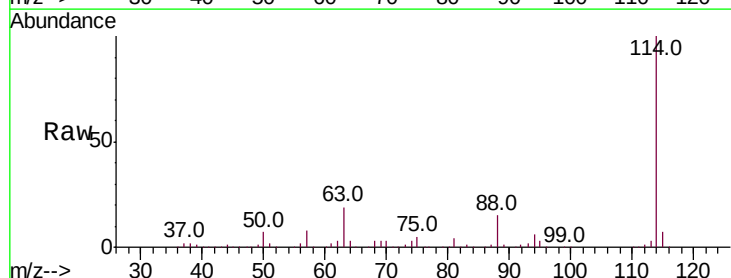
Instrument :
 MSVOA_X
 ClientSampleId :

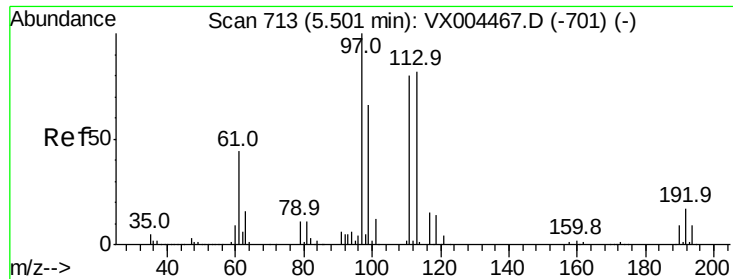
Tot Ion: 65 Resp: 155536
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion:114 Resp: 333159
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.0
 88 15.0 0.0 30.4

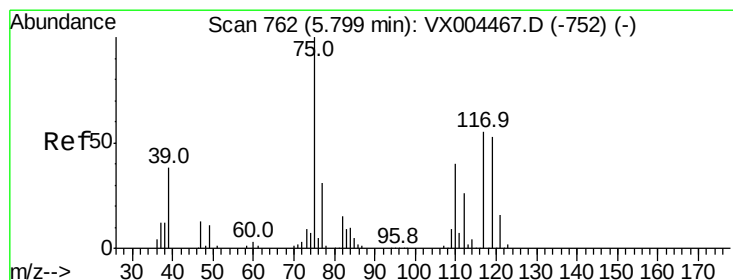
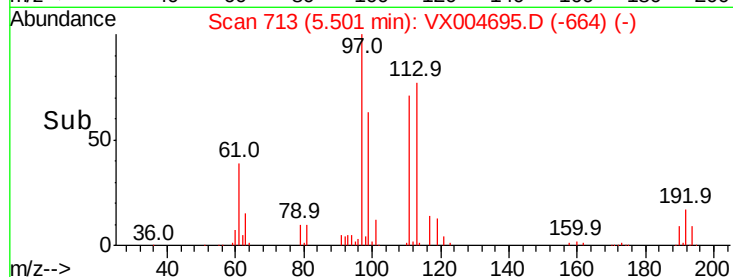
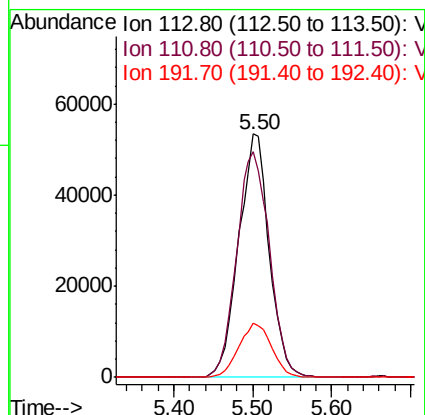
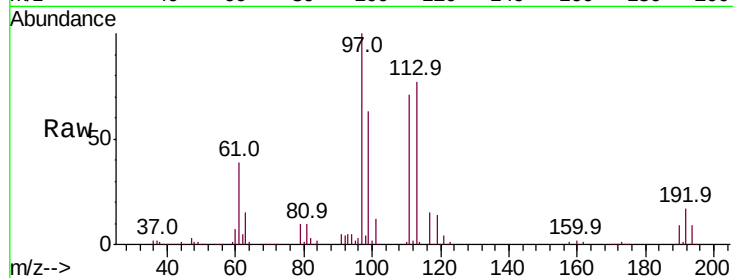




#35
 Dibromofluoromethane
 Concen: 47.062 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

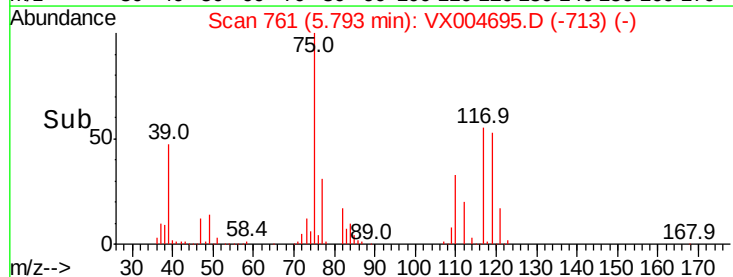
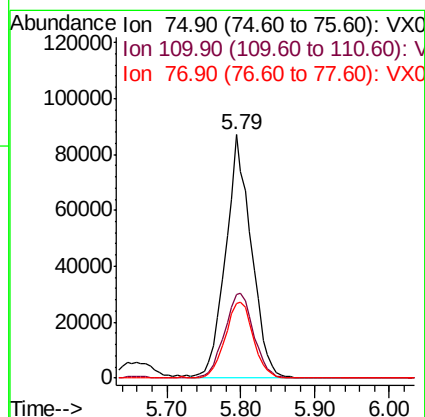
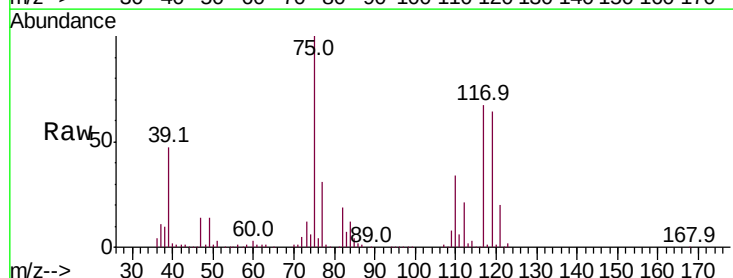
Instrument :
 MSVOA_X
 ClientSampleId :

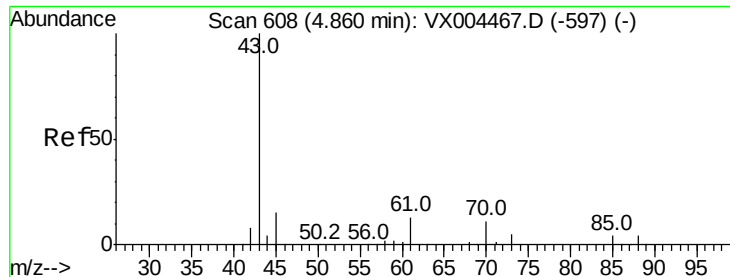
Tot Ion:113 Resp: 143480
 Ion Ratio Lower Upper
 113 100
 111 99.9 82.4 123.6
 192 23.8 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 51.707 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion: 75 Resp: 209142
 Ion Ratio Lower Upper
 75 100
 110 39.3 18.0 54.0
 77 34.2 24.6 36.8





#37

Ethyl Acetate

Concen: 48.712 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

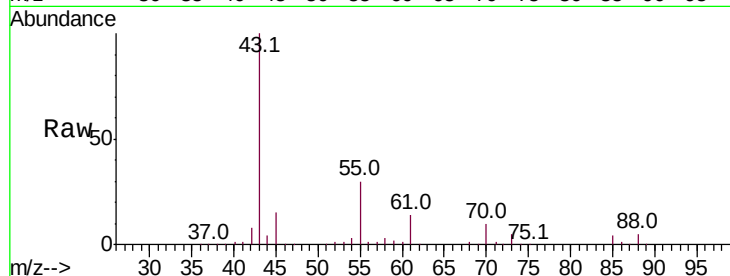
Tot Ion: 43 Resp: 224086

Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

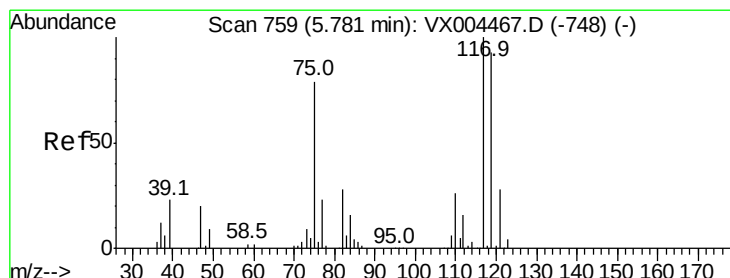
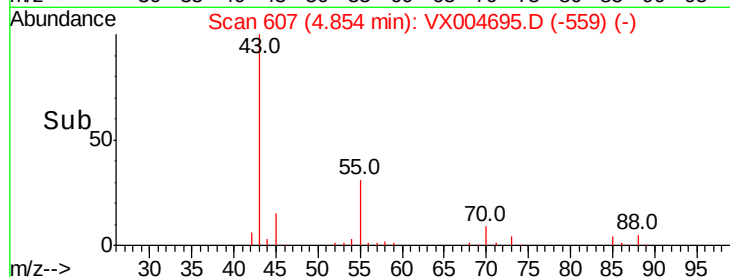
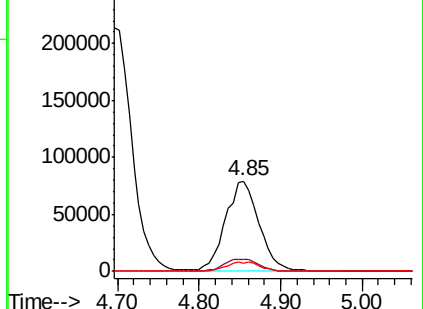
70 10.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 52.284 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

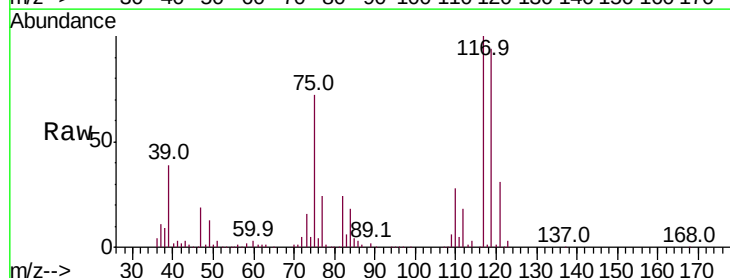
Tgt Ion: 117 Resp: 206552

Ion Ratio Lower Upper

117 100

119 94.5 78.8 118.2

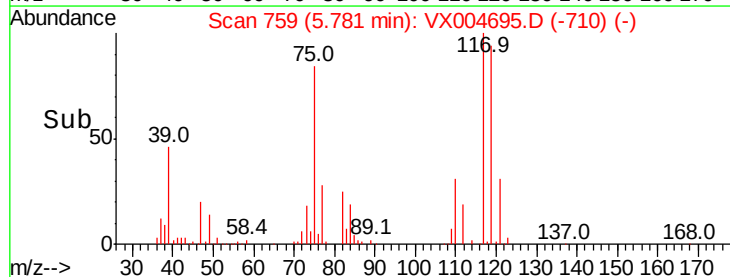
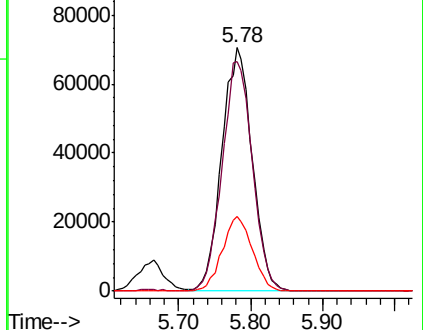
121 30.7 24.9 37.3

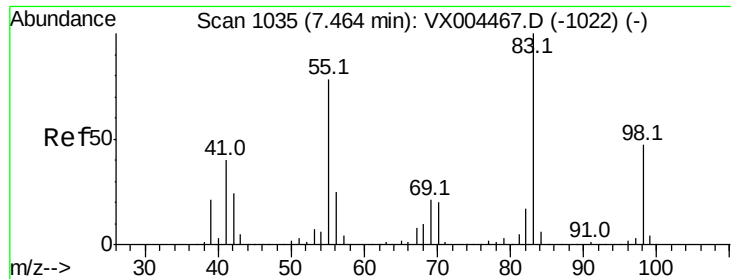


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

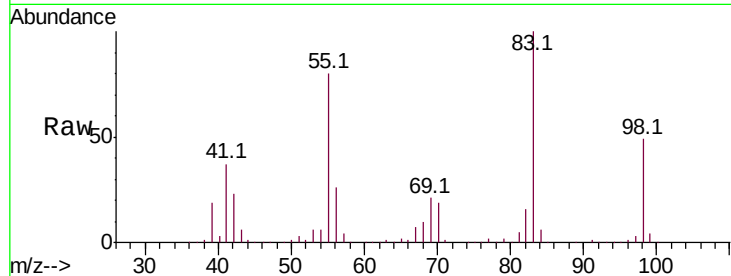




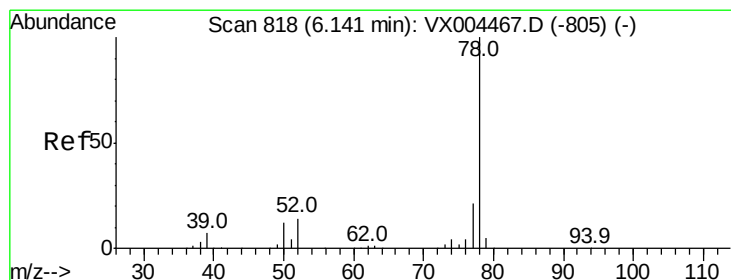
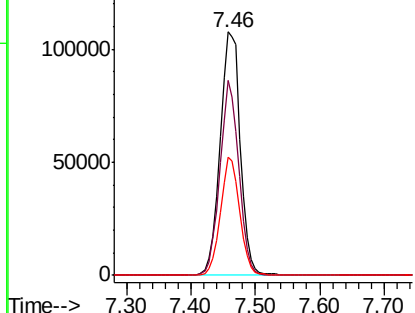
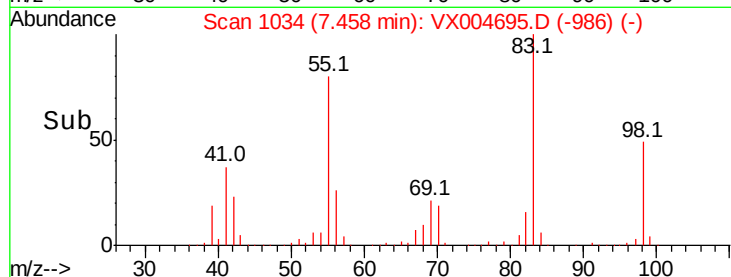
#39
Methylvlcyclohexane
Concen: 56.636 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	61.0	91.4
98	48.7	39.6	59.4

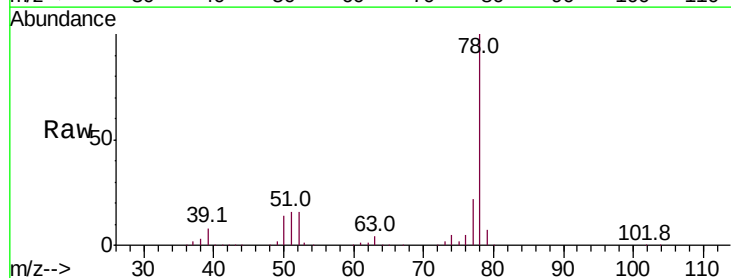


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

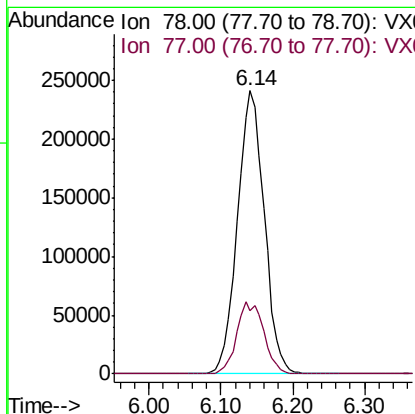
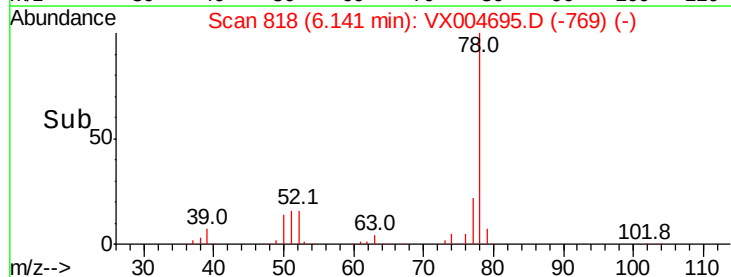


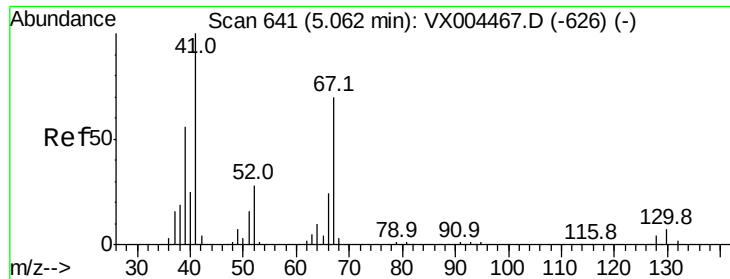
#40
Benzene
Concen: 51.991 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4



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

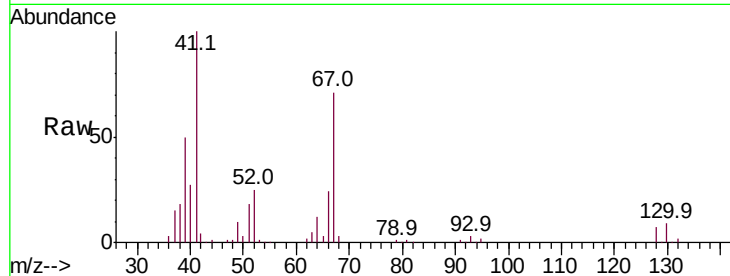




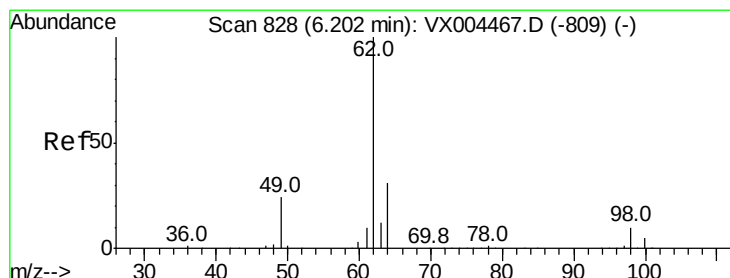
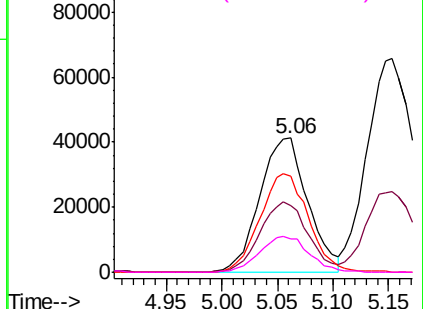
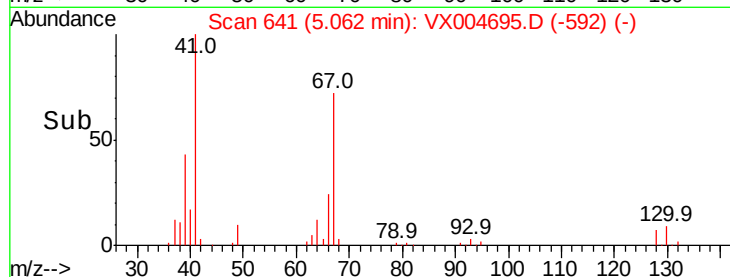
#41
Methacrylonitrile
Concen: 48.844 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	123801
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.4	63.6
67	74.3	59.2	88.8
52	27.6	23.0	34.4

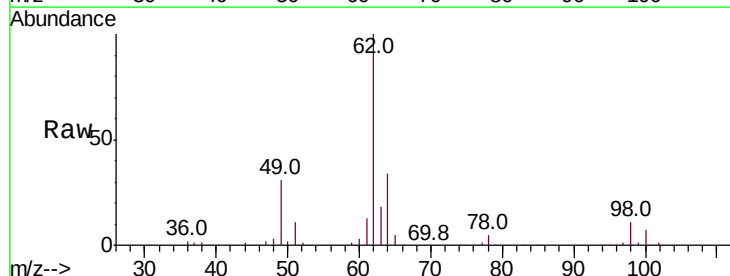


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

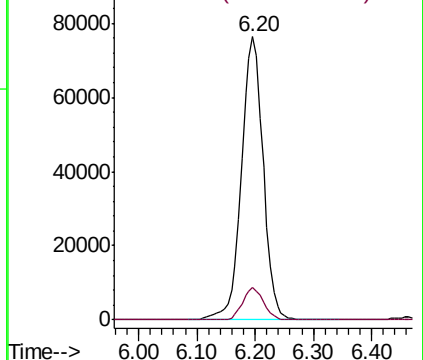
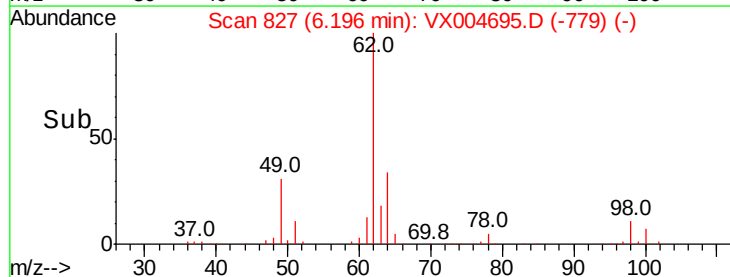


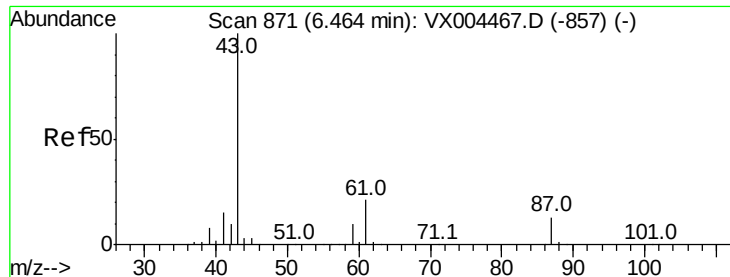
#42
1,2-Dichloroethane
Concen: 49.554 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion:	62	Resp:	197241
Ion	Ratio	Lower	Upper
62	100		
98	10.9	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: 53.165 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

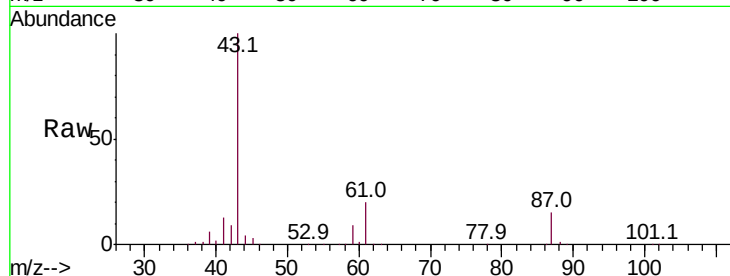
Tot Ion: 43 Resp: 324837

Ion Ratio Lower Upper

43 100

61 21.9 17.0 25.4

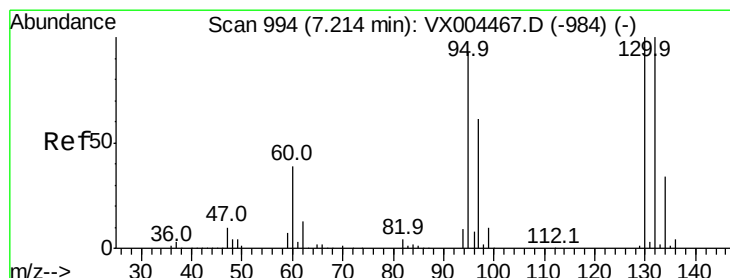
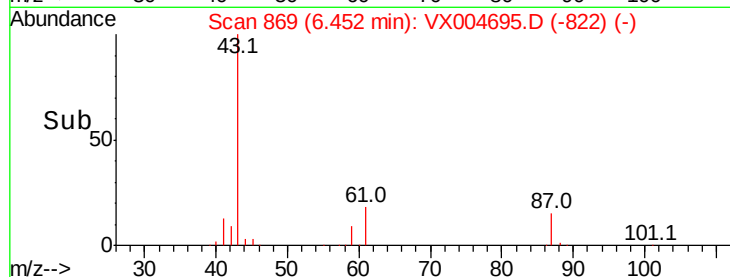
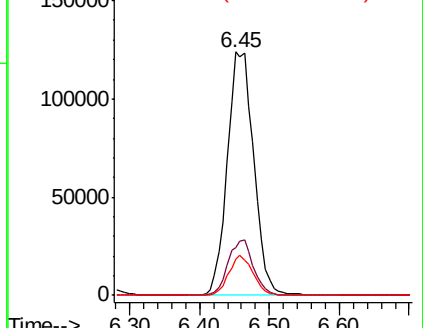
87 15.0 11.4 17.2



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: 54.981 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004695.D

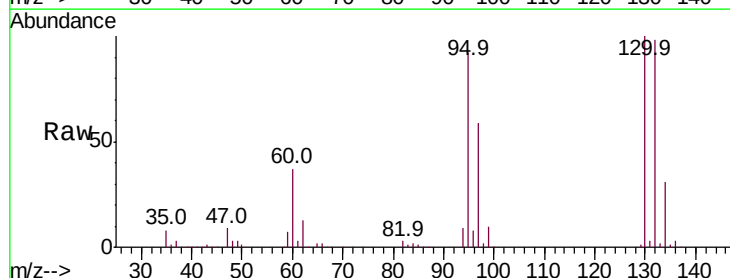
Acq: 19 Sep 2018 10:04

Tgt Ion:130 Resp: 171420

Ion Ratio Lower Upper

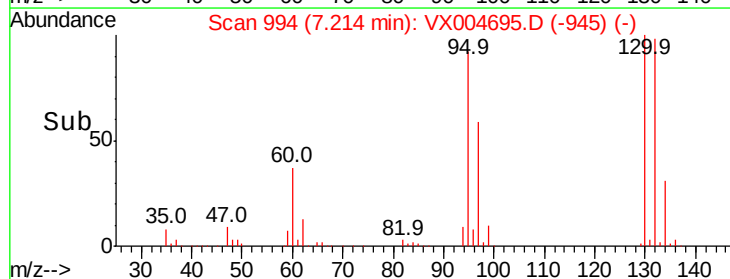
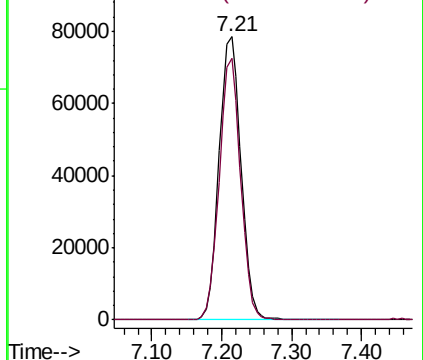
130 100

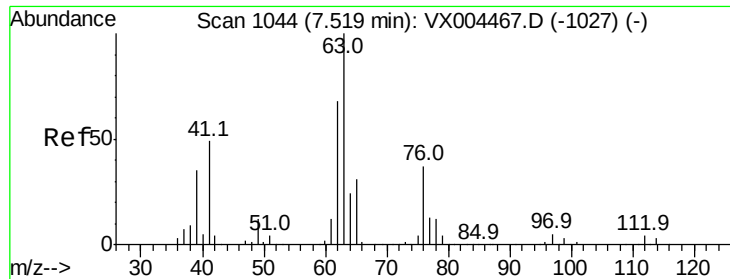
95 92.2 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

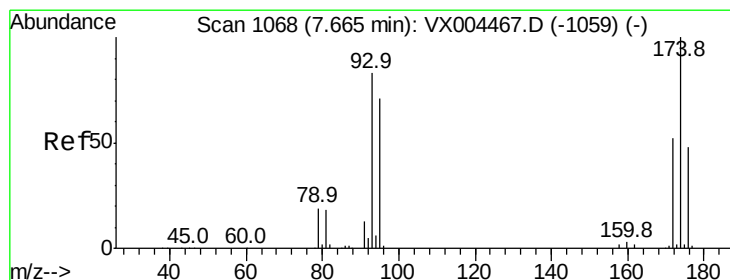
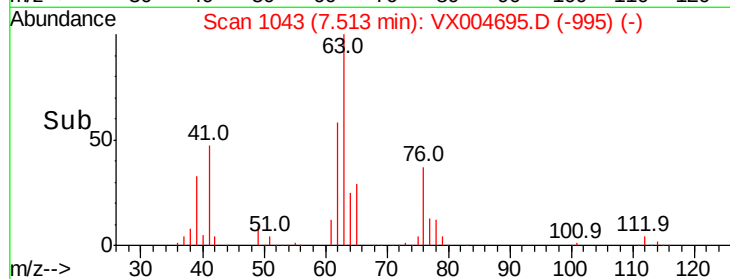
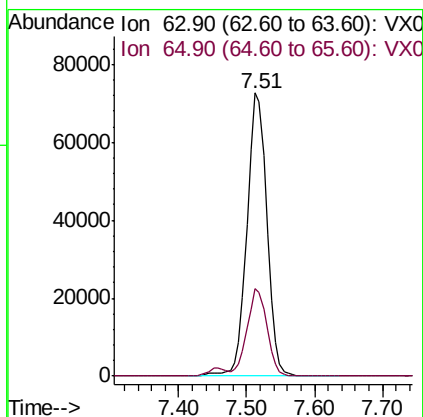
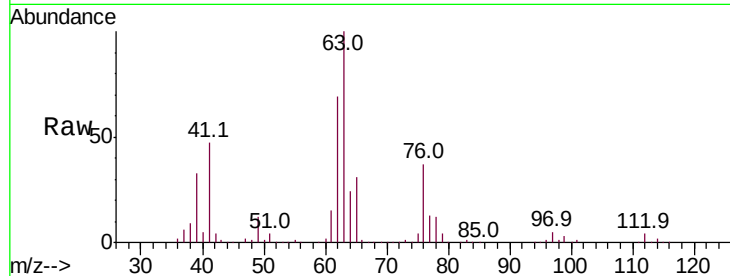




#45
 1,2-Dichloropropane
 Concen: 51.449 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

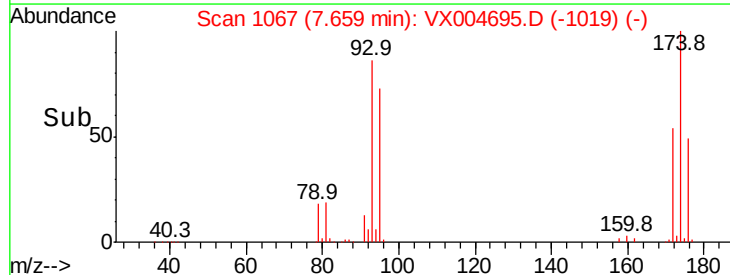
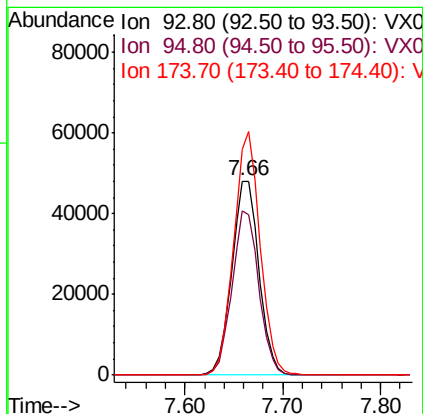
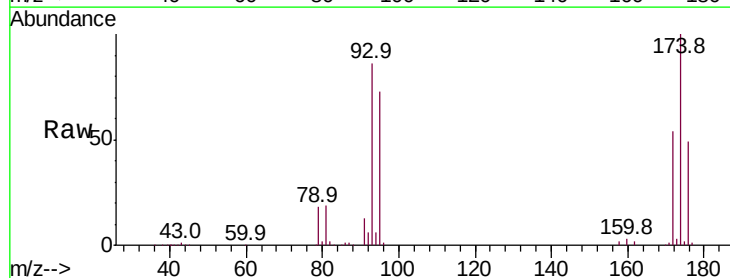
Instrument :
 MSVOA_X
 ClientSampleId :

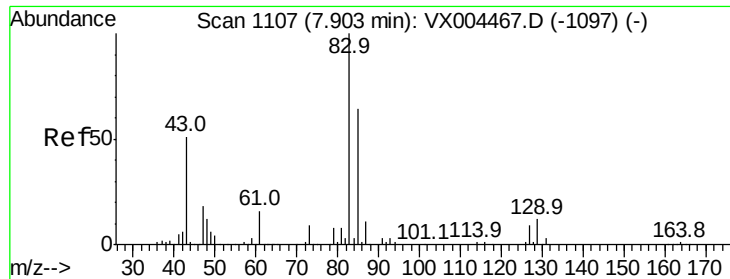
Tot Ion: 63 Resp: 148569
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.3 36.5



#46
 Dibromomethane
 Concen: 50.834 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion: 93 Resp: 92738
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 122.0 94.2 141.4





#47

Bromodichloromethane

Concen: 51.597 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampled :

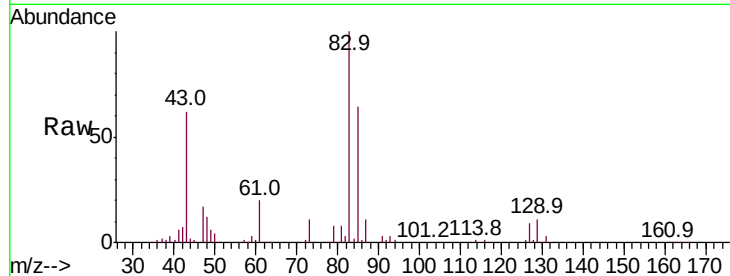
Tot Ion: 83 Resp: 178009

Ion Ratio Lower Upper

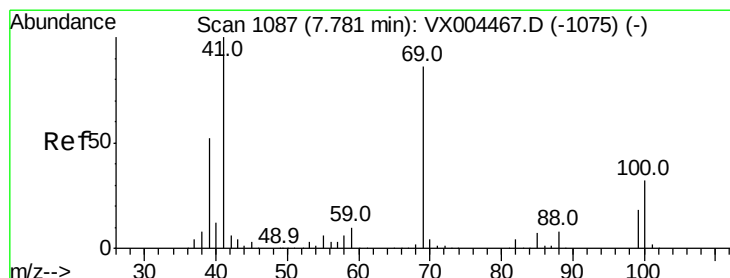
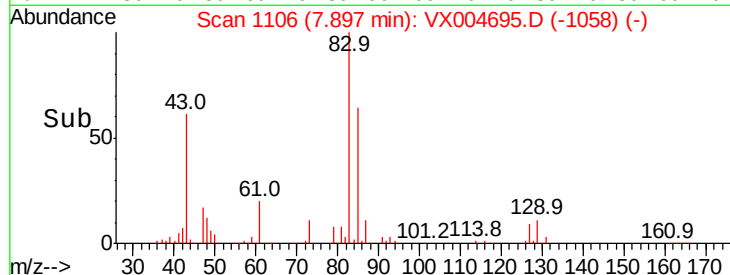
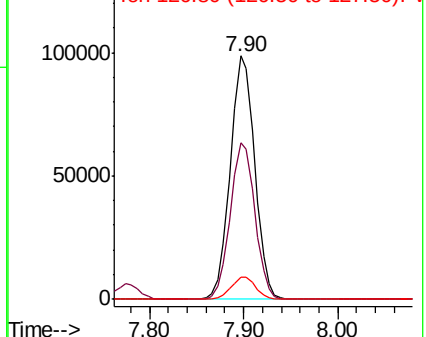
83 100

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: 50.028 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

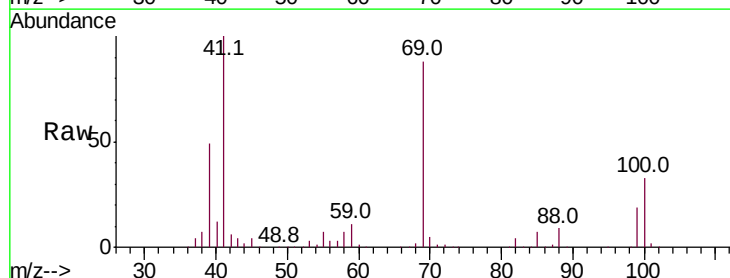
Tgt Ion: 41 Resp: 151275

Ion Ratio Lower Upper

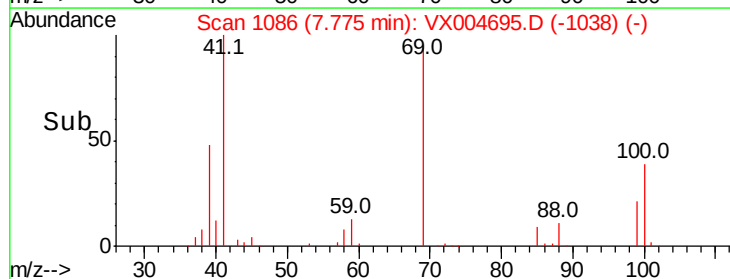
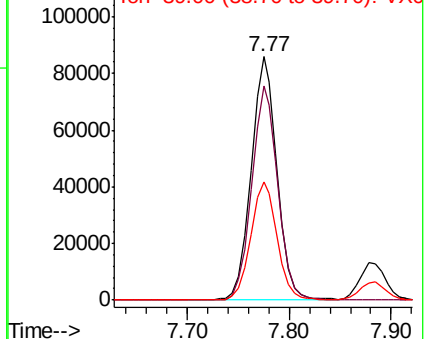
41 100

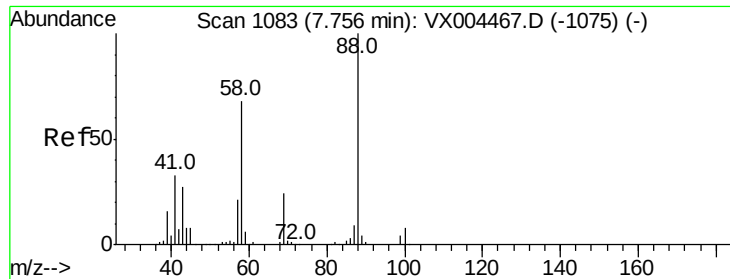
69 89.2 70.2 105.4

39 49.7 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: 1020.953 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

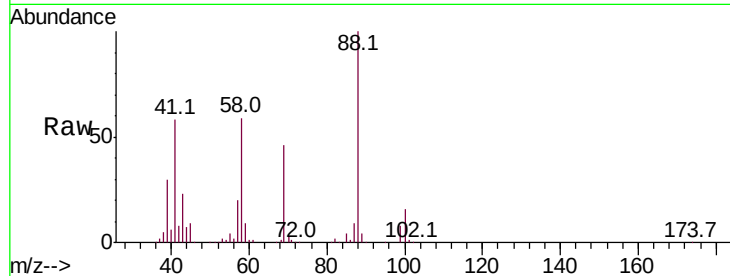
Tot Ion: 88 Resp: 73068

Ion Ratio Lower Upper

88 100

43 29.6 24.7 37.1

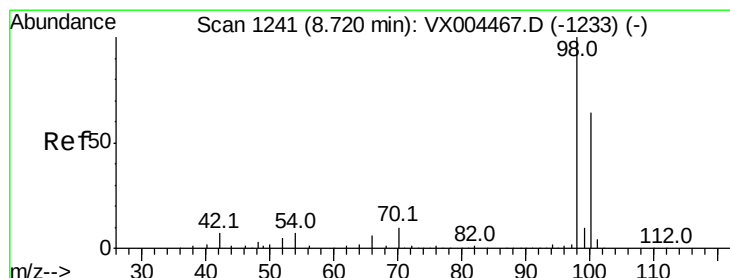
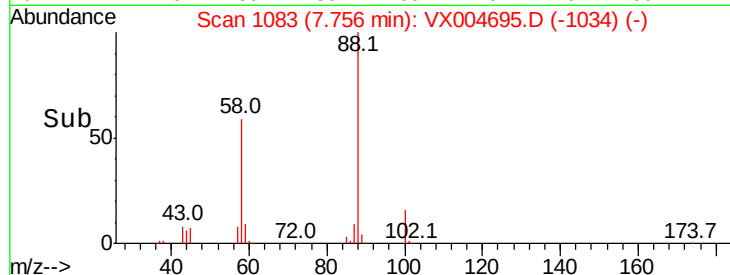
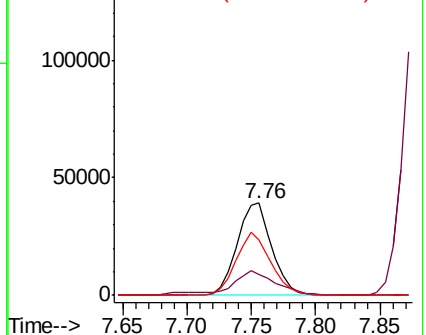
58 68.4 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.605 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004695.D

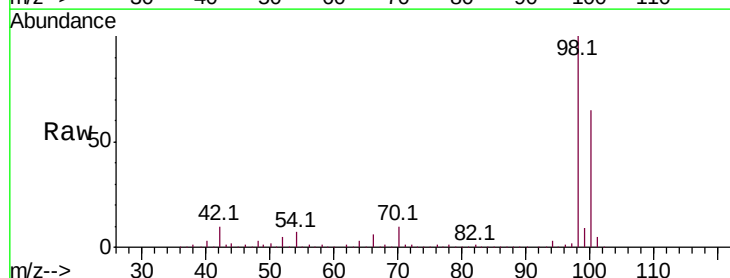
Acq: 19 Sep 2018 10:04

Tgt Ion: 98 Resp: 476481

Ion Ratio Lower Upper

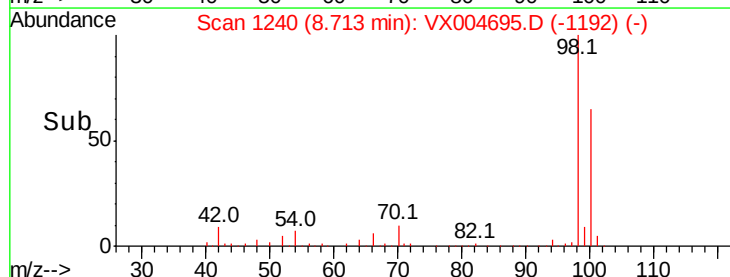
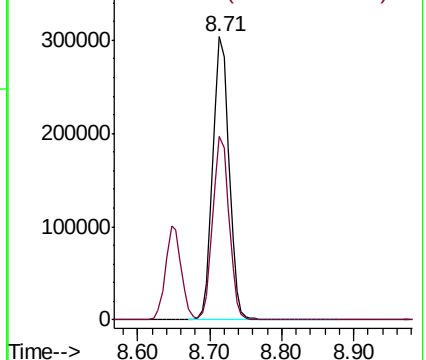
98 100

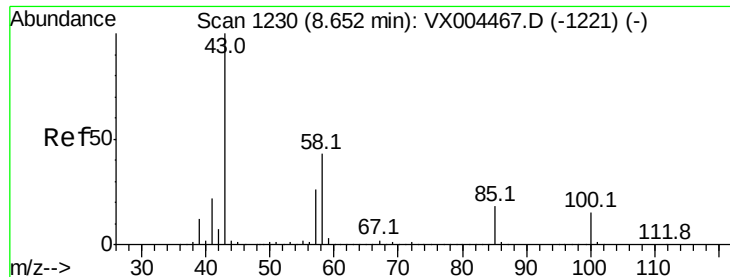
100 64.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 223.089 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

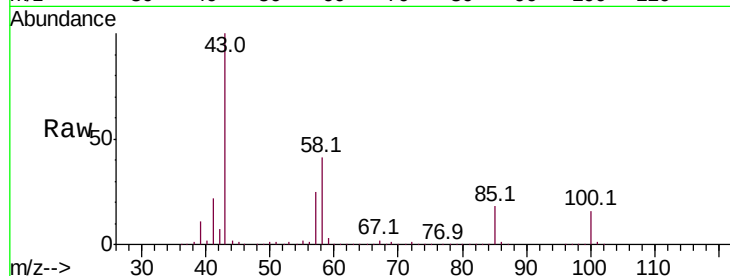
ClientSampleId :

Tot Ion: 43 Resp: 961929

Ion Ratio Lower Upper

43 100

58 41.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

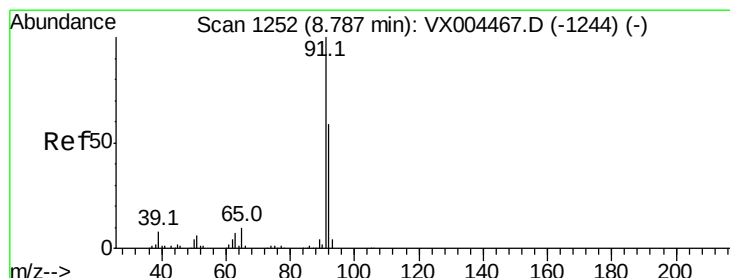
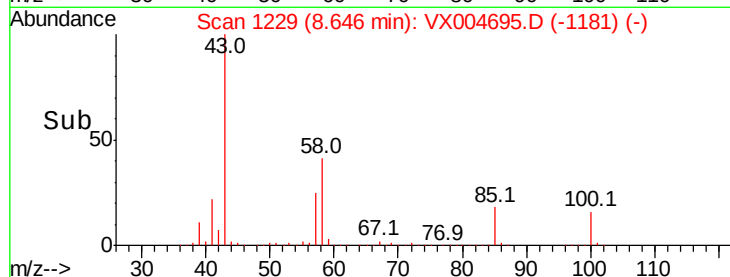
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.419 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004695.D

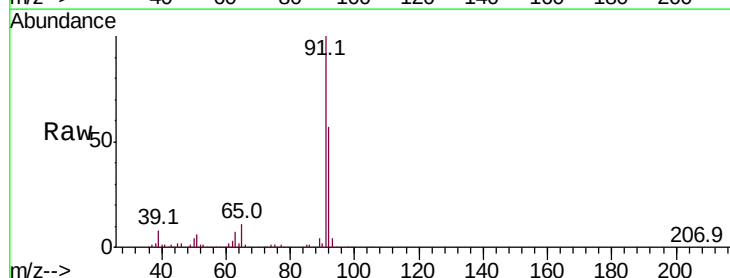
Acq: 19 Sep 2018 10:04

Tgt Ion: 92 Resp: 356489

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

8.79

400000

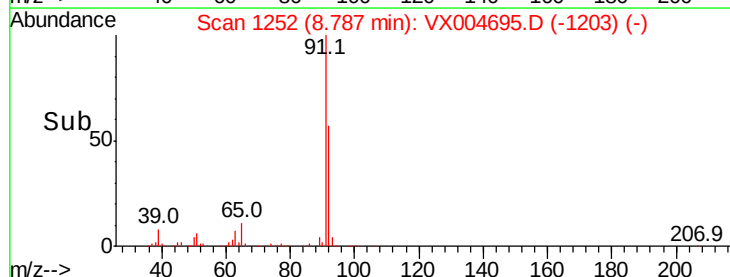
300000

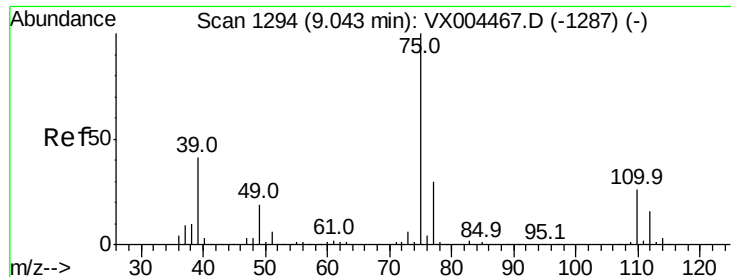
200000

100000

0

Time-->

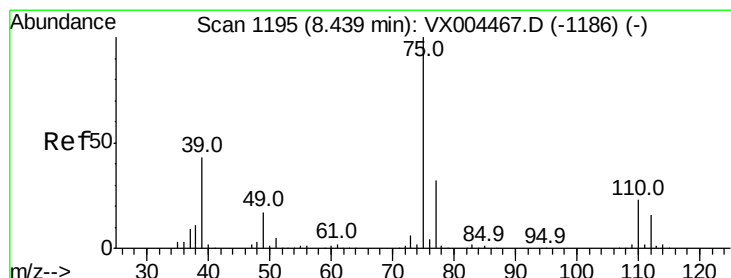
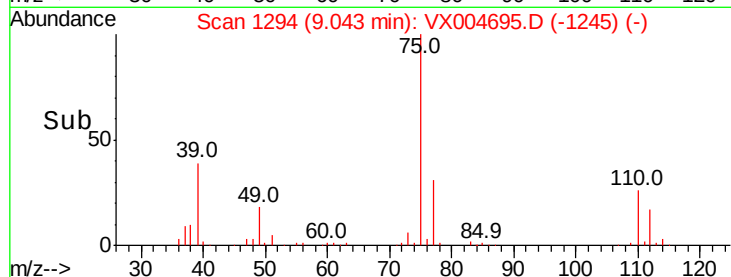
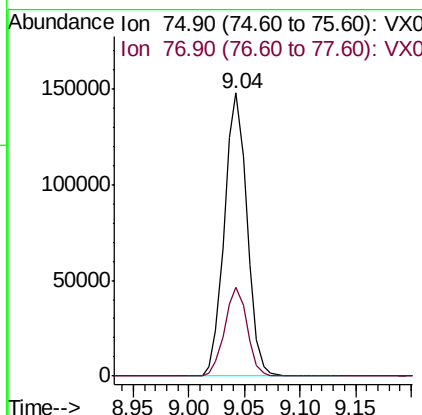
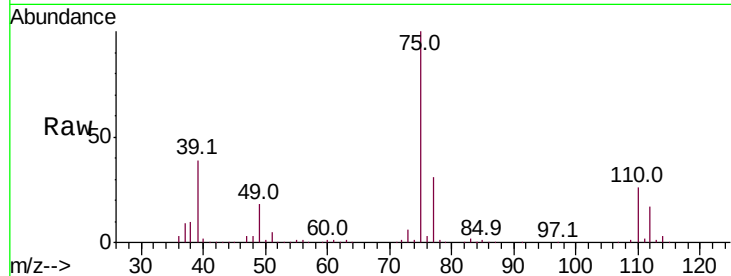




#53
 t-1,3-Dichloropropene
 Concen: 51.649 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

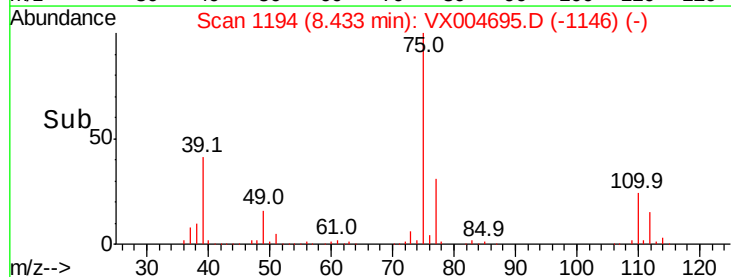
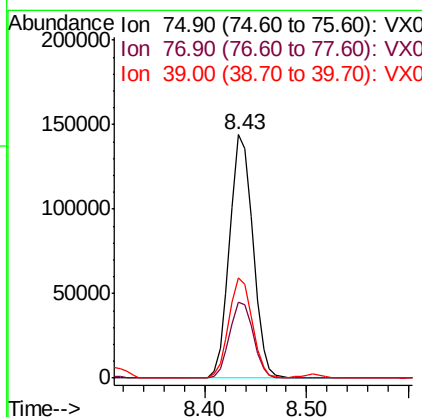
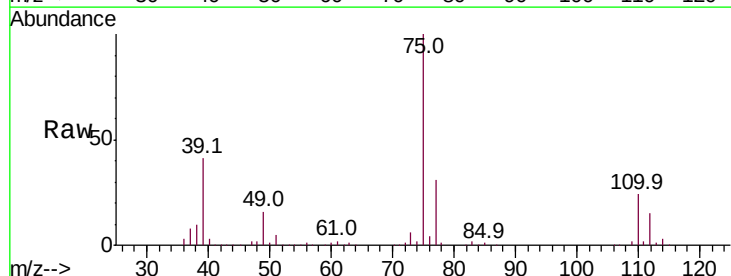
Instrument :
 MSVOA_X
 ClientSampleId :

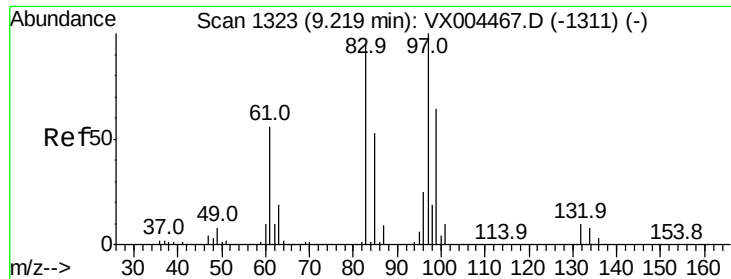
Tot Ion: 75 Resp: 208150
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 55.286 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion: 75 Resp: 227127
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2
 39 40.9 36.4 54.6

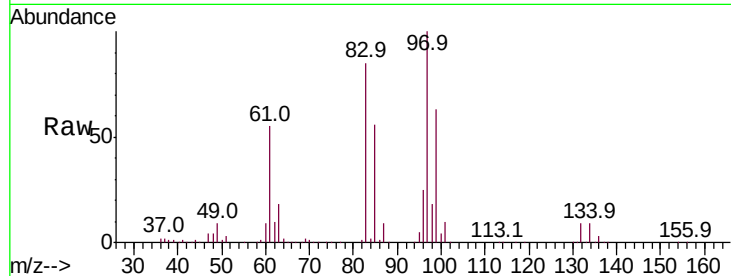




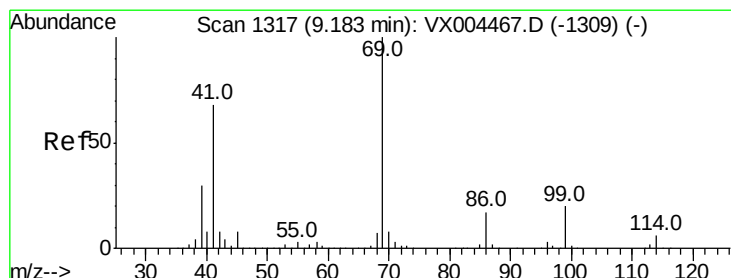
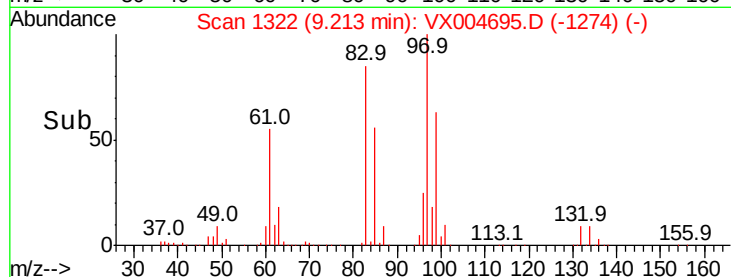
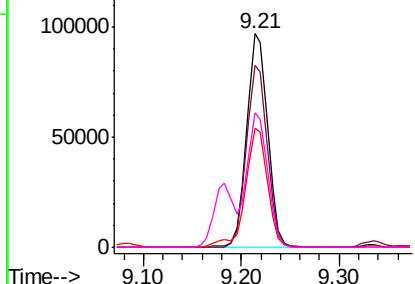
#55
 1,1,2-Trichloroethane
 Concen: 47.441 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:	97	Resp:	144431
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.4	99.6
85	55.7	43.3	64.9
99	63.1	49.0	73.4

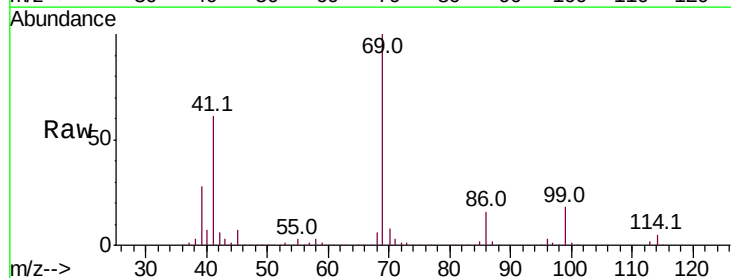


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

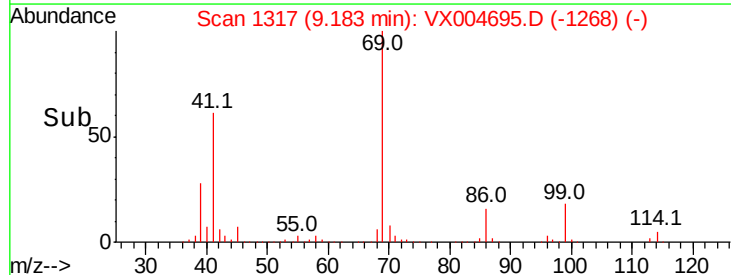
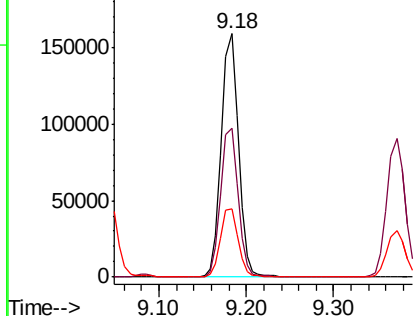


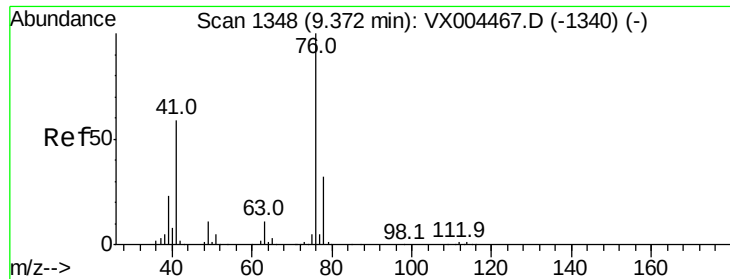
#56
 Ethyl methacrylate
 Concen: 50.317 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion:	69	Resp:	216713
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.0	76.4
39	29.0	26.1	39.1



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

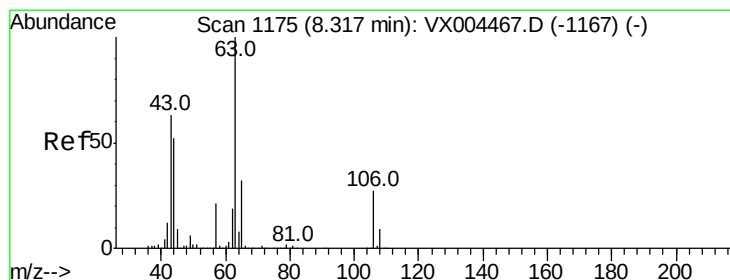
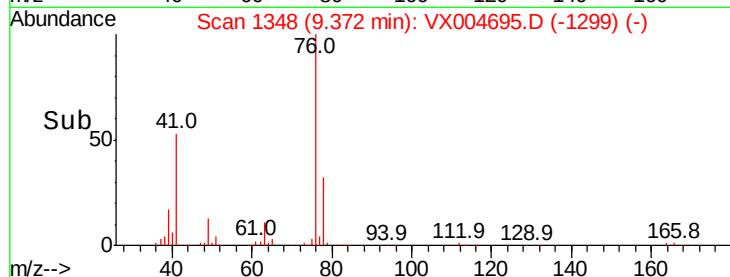
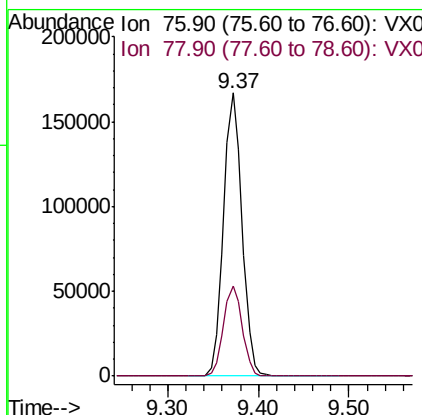
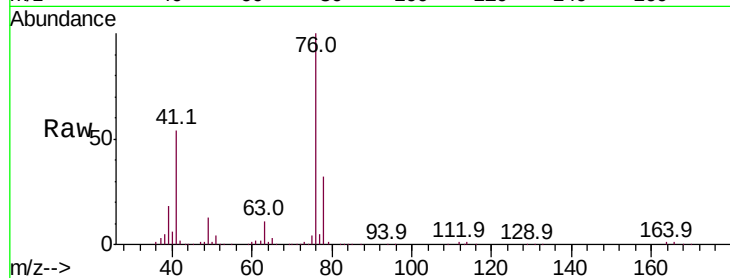




#57
 1,3-Dichloropropane
 Concen: 47.953 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

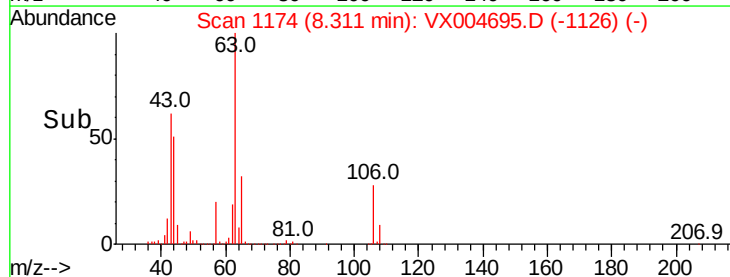
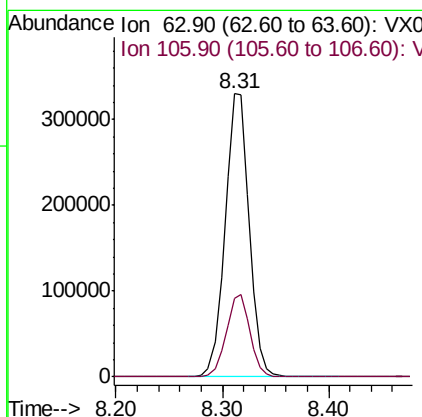
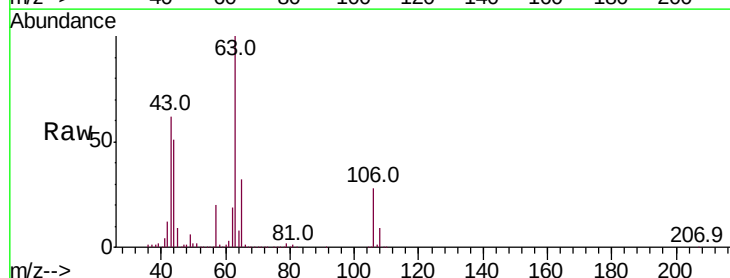
Instrument :
 MSVOA_X
 ClientSampleId :

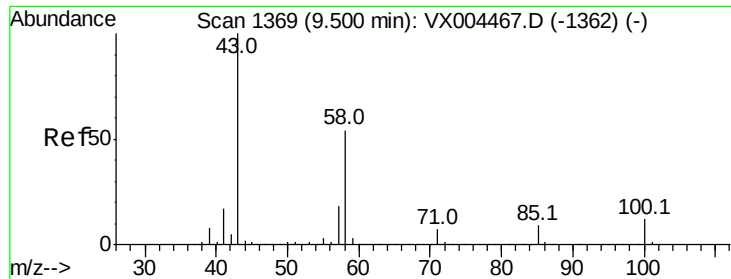
Tot Ion: 76 Resp: 237206
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.882 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion: 63 Resp: 521197
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.9 35.9

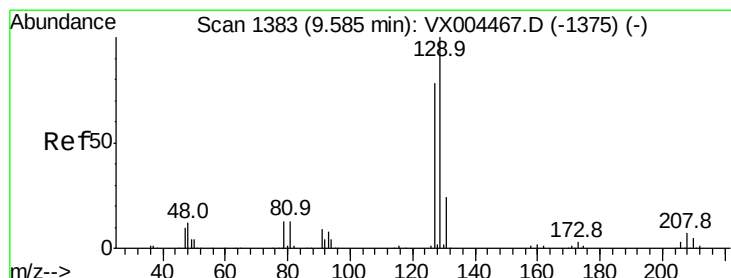
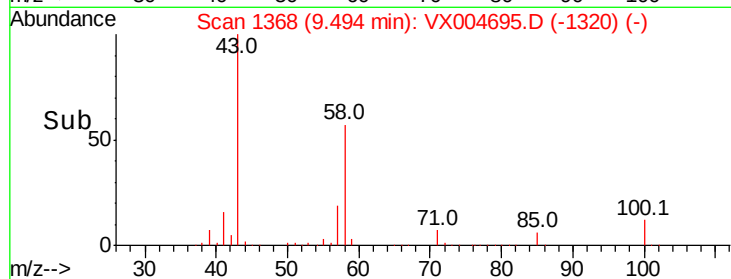
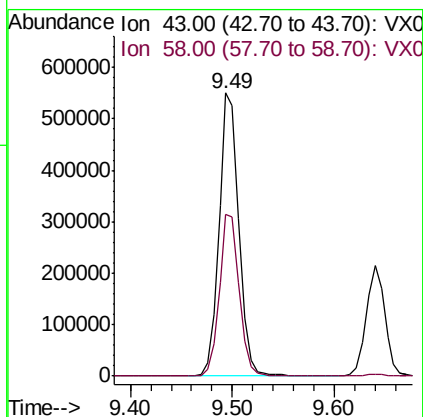
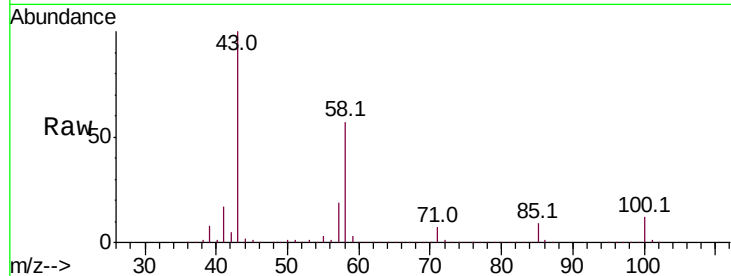




#59
2-Hexanone
Concen: 226.103 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

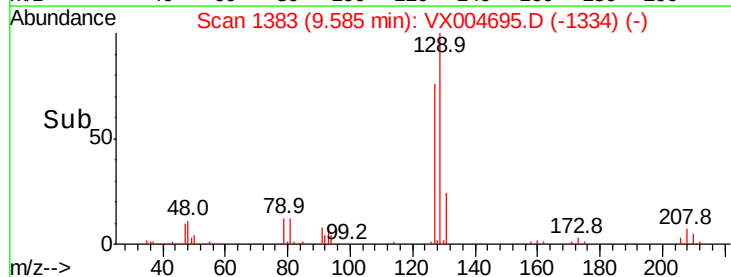
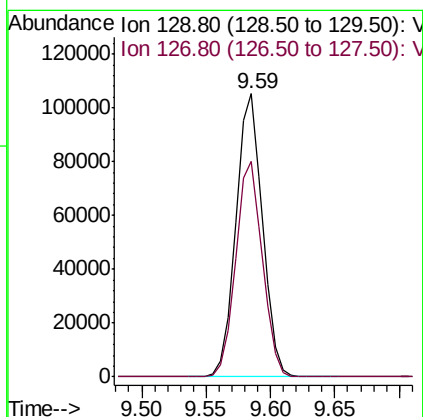
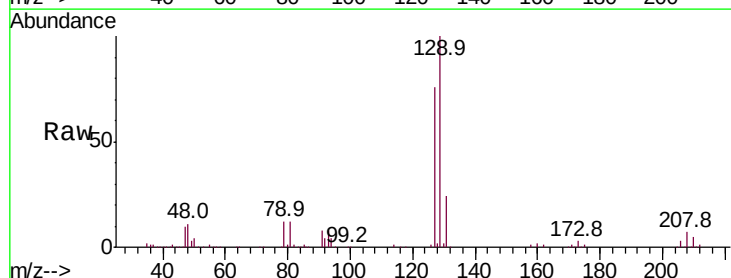
Instrument :
MSVOA_X
ClientSampled :

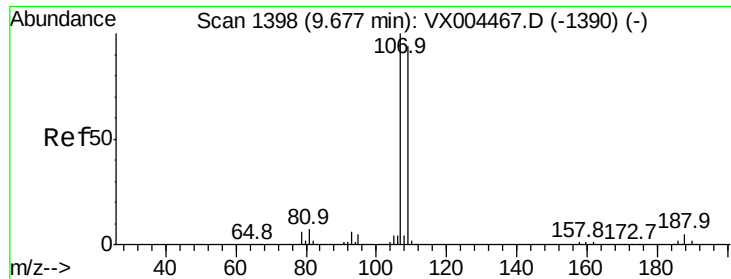
Tot Ion: 43 Resp: 747801
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.0



#60
Dibromochloromethane
Concen: 52.343 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion:129 Resp: 150023
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.262 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

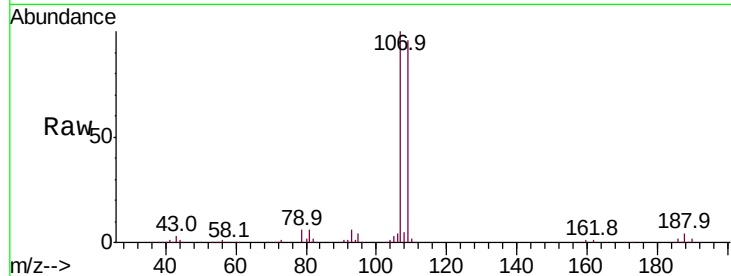
ClientSampleId :

Tot Ion:107 Resp: 149087

Ion Ratio Lower Upper

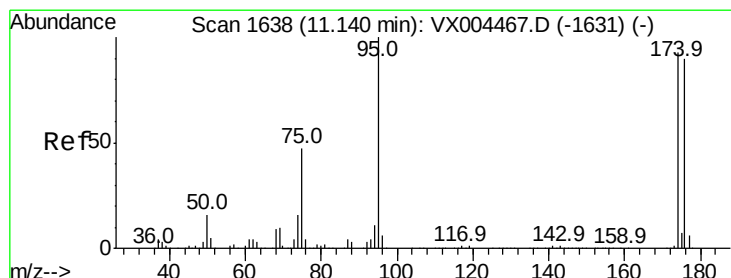
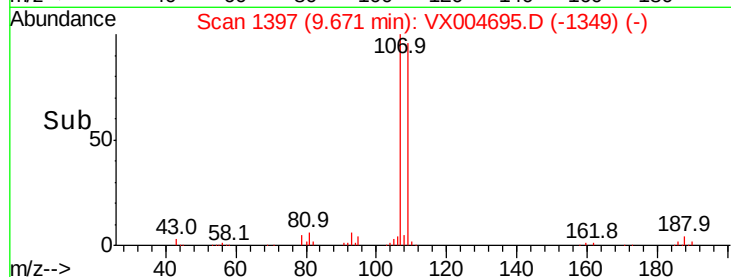
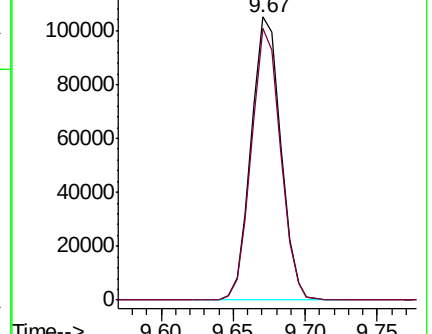
107 100

109 94.7 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.356 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

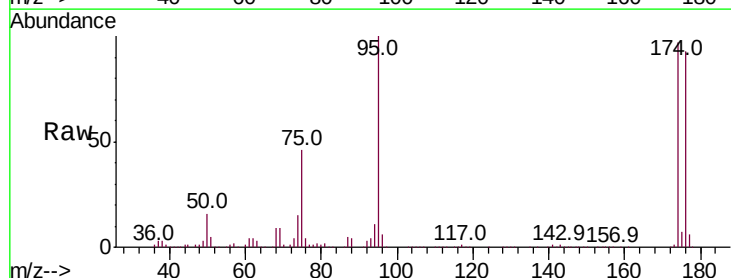
Tgt Ion: 95 Resp: 180123

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.2

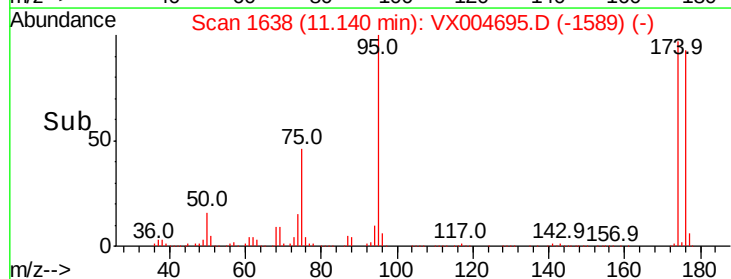
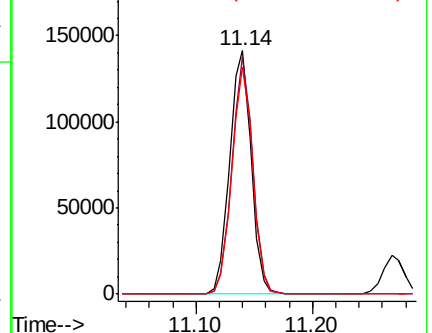
176 91.5 0.0 178.6

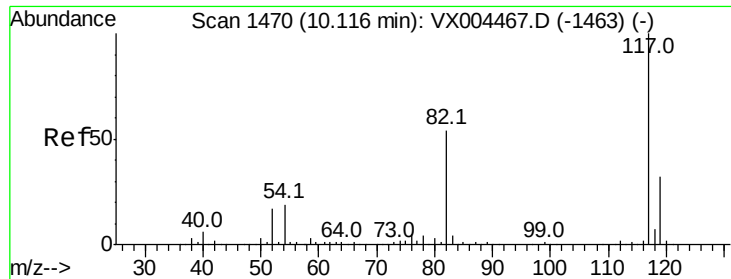


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

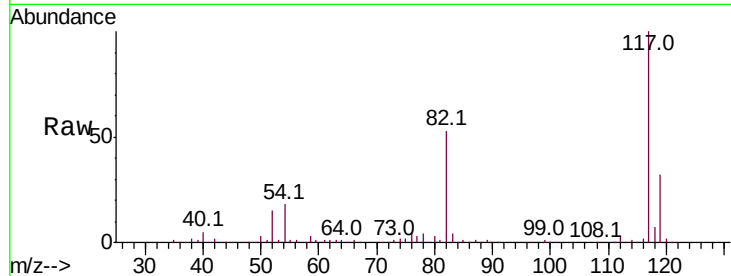




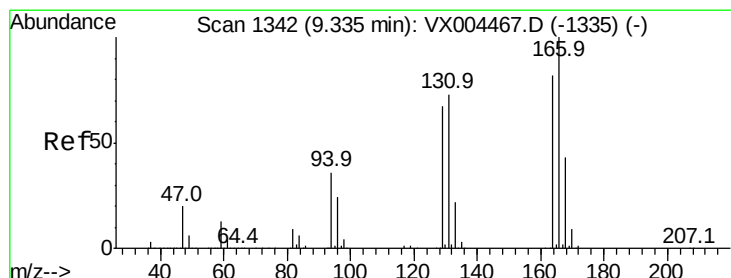
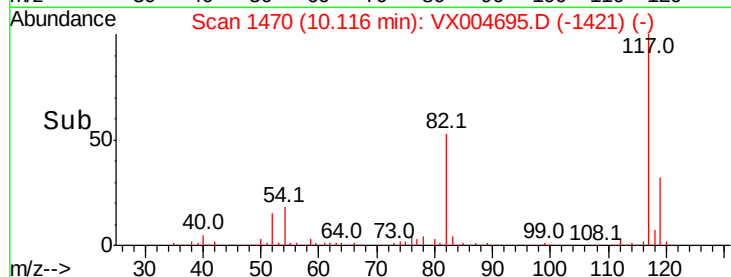
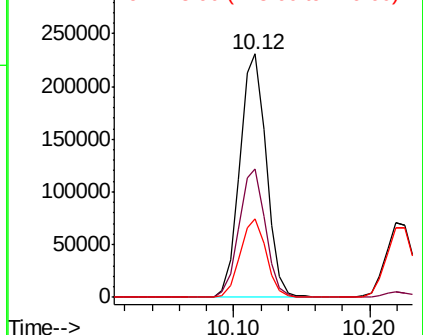
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 313003
Ion Ratio Lower Upper
117 100
82 52.7 47.8 71.6
119 32.4 29.3 43.9

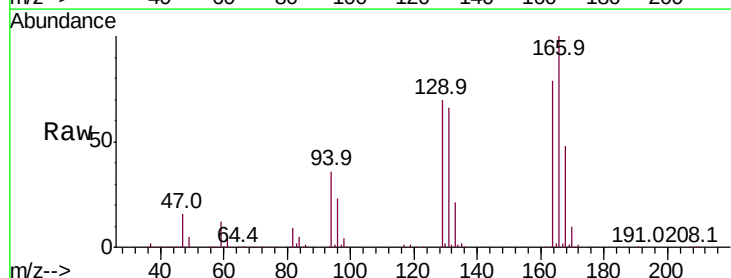


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

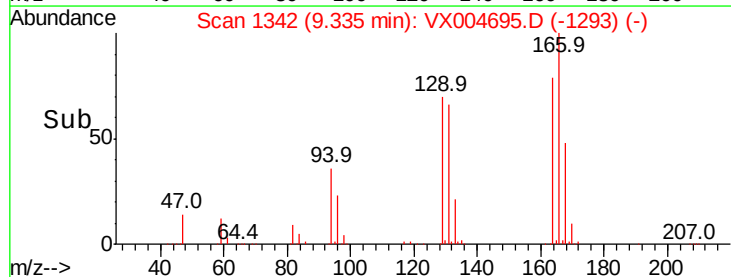
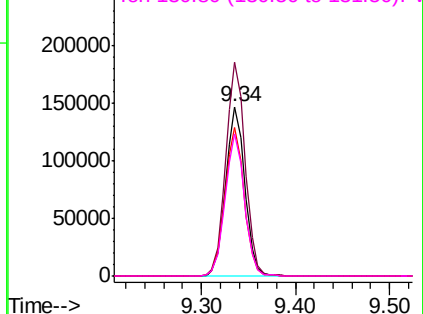


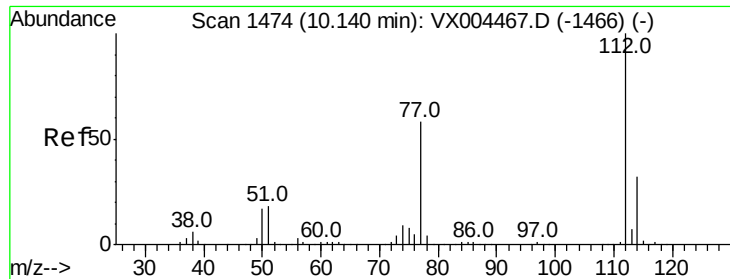
#64
Tetrachloroethene
Concen: 53.094 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion:164 Resp: 207486
Ion Ratio Lower Upper
164 100
166 126.3 102.8 154.2
129 88.2 69.4 104.0
131 84.0 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.569 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

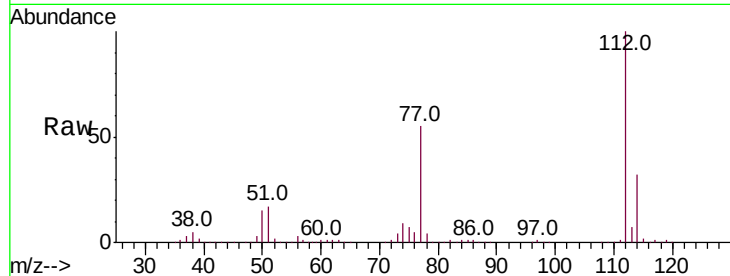
ClientSampleId :

Tot Ion:112 Resp: 408715

Ion Ratio Lower Upper

112 100

114 32.3 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

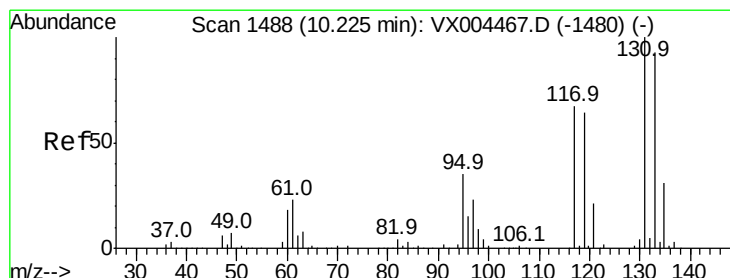
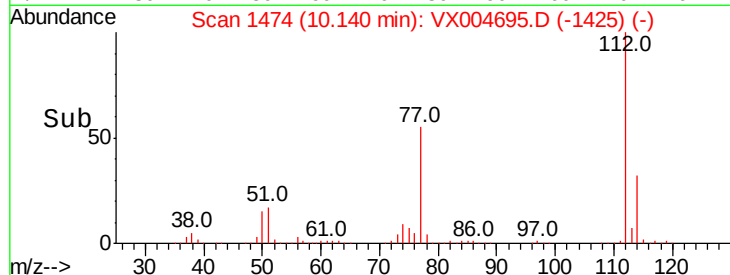
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.482 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

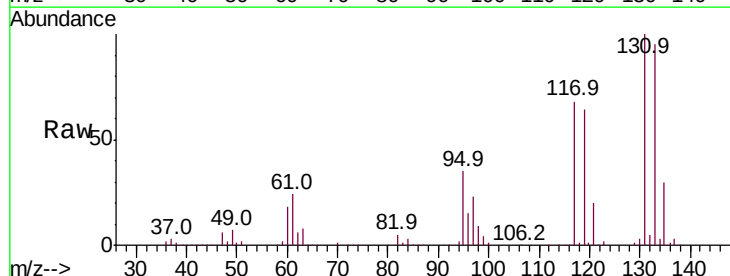
Tgt Ion:131 Resp: 146073

Ion Ratio Lower Upper

131 100

133 95.1 48.1 144.4

119 65.0 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

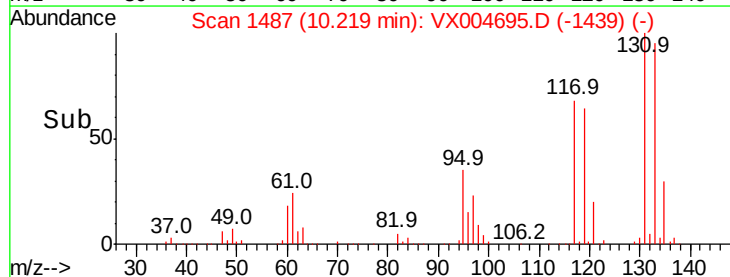
10.22

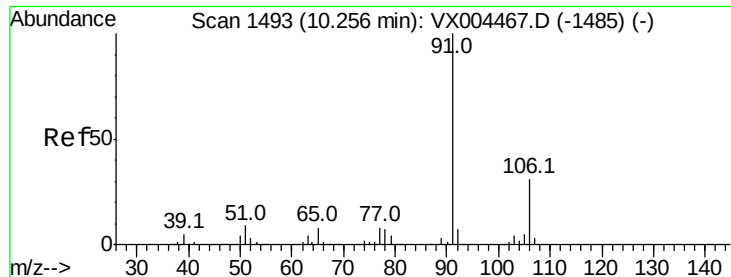
100000

50000

0

Time-->

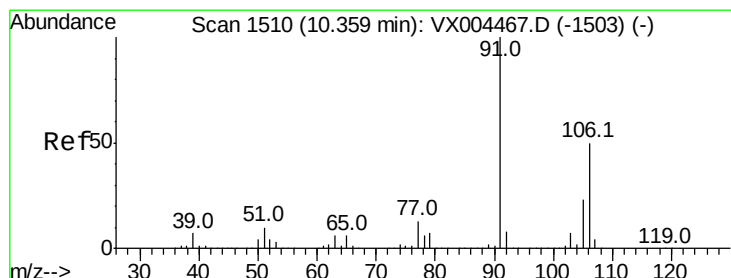
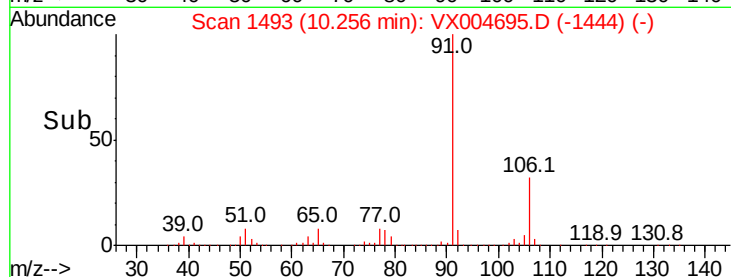
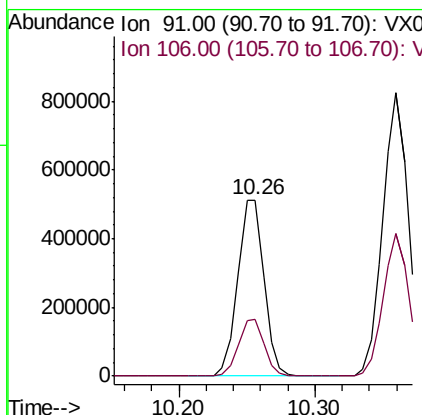
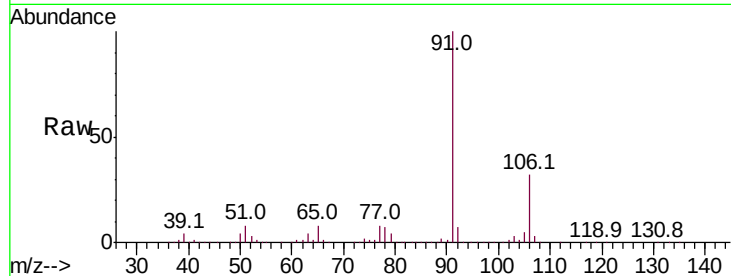




#67
Ethyl Benzene
Concen: 54.587 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

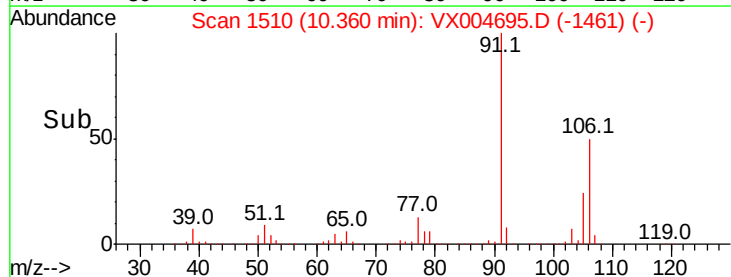
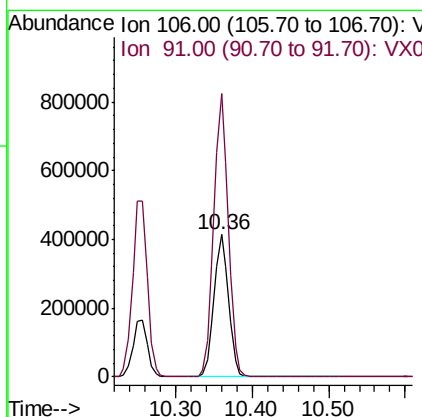
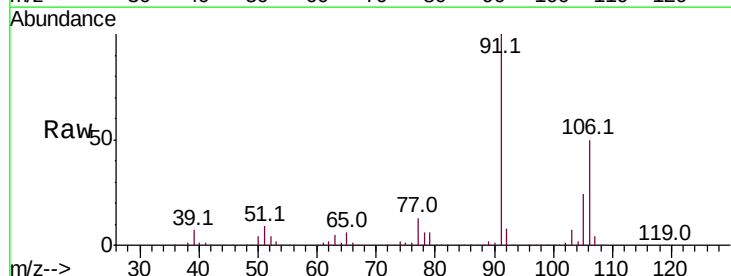
Instrument :
MSVOA_X
ClientSampled :

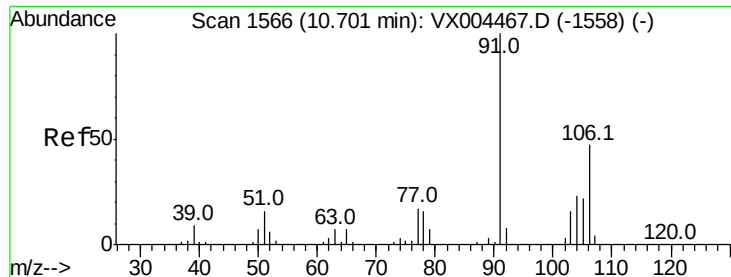
Tot Ion: 91 Resp: 690087
Ion Ratio Lower Upper
91 100
106 31.9 25.9 38.9



#68
m/p-Xylenes
Concen: 112.257 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion: 106 Resp: 546661
Ion Ratio Lower Upper
106 100
91 198.8 157.1 235.7

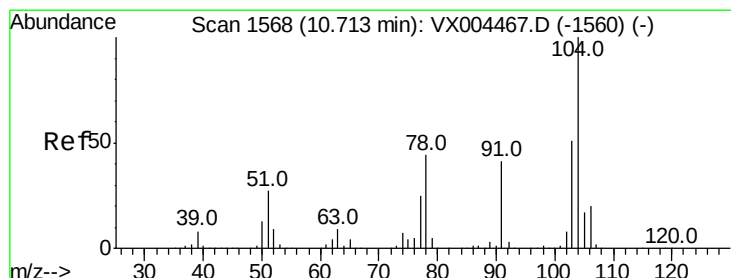
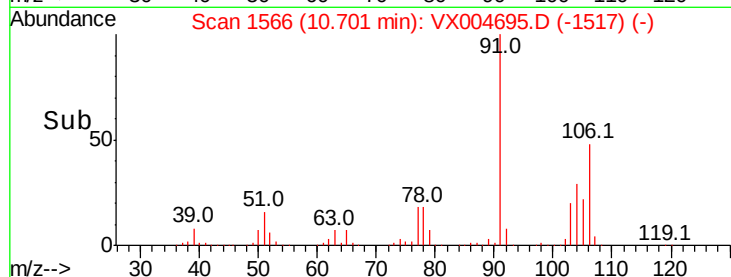
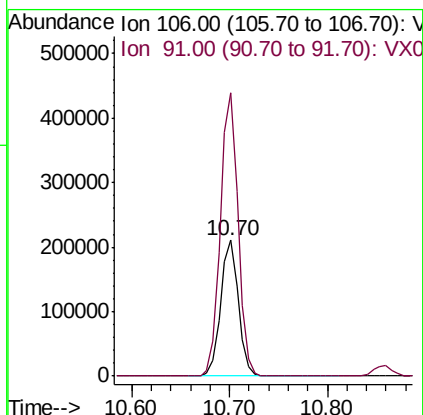
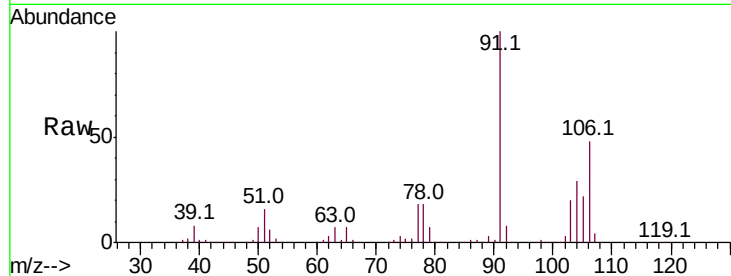




#69
o-Xylene
Concen: 56.231 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

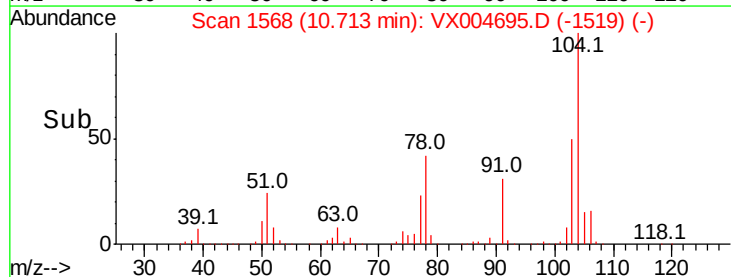
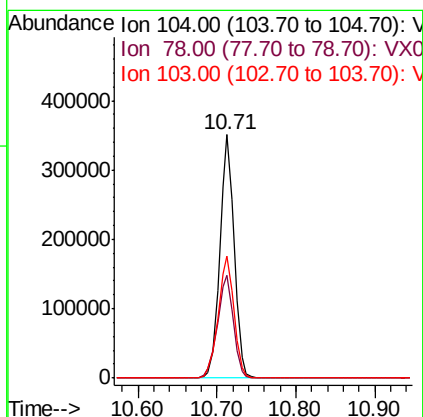
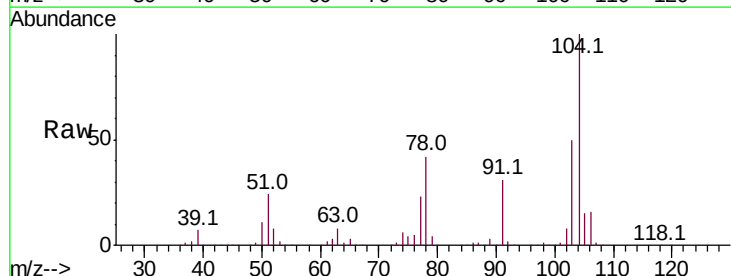
Instrument :
MSVOA_X
ClientSampled :

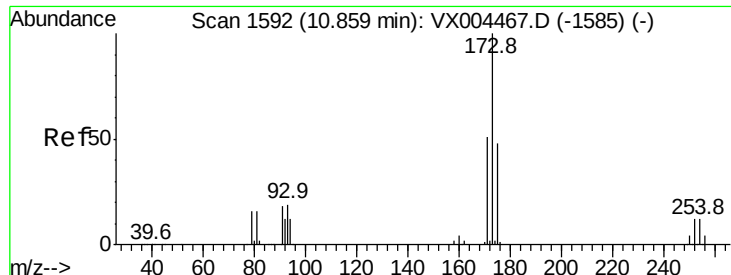
Tot Ion:106 Resp: 263257
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.1



#70
Styrene
Concen: 57.209 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion:104 Resp: 443725
Ion Ratio Lower Upper
104 100
78 47.0 37.4 56.0
103 55.2 43.8 65.6





#71

Bromoform

Concen: 54.722 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

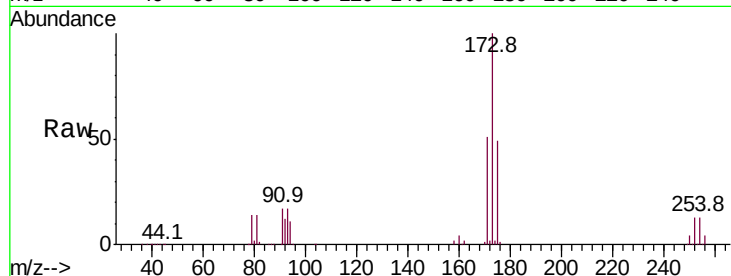
Tot Ion:173 Resp: 120465

Ion Ratio Lower Upper

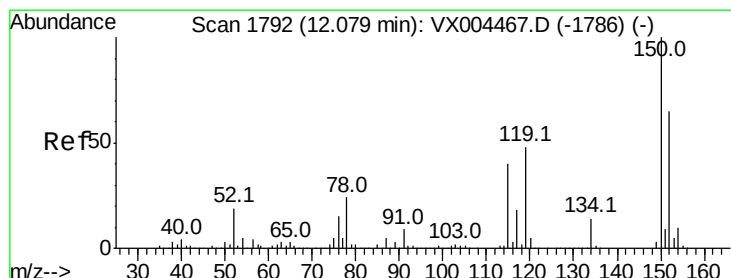
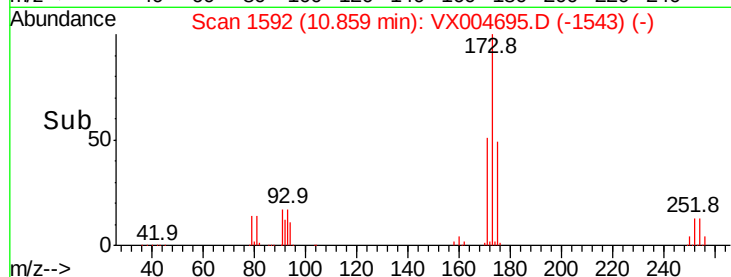
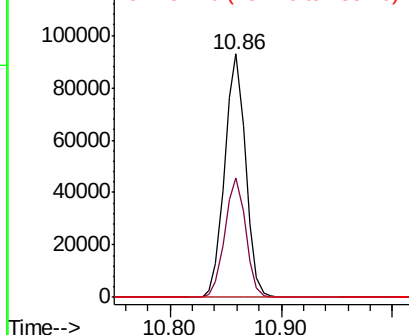
173 100

175 49.0 24.1 72.3

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

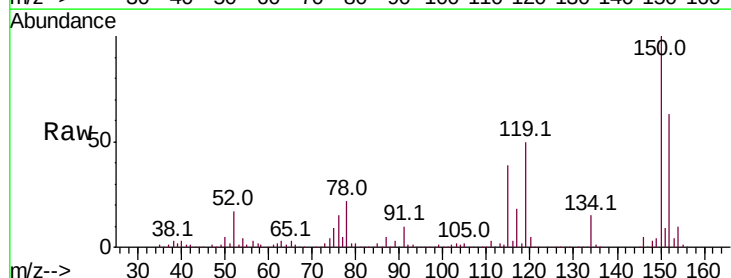
Tgt Ion:152 Resp: 196494

Ion Ratio Lower Upper

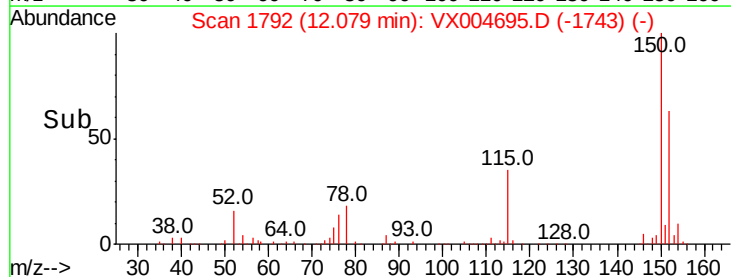
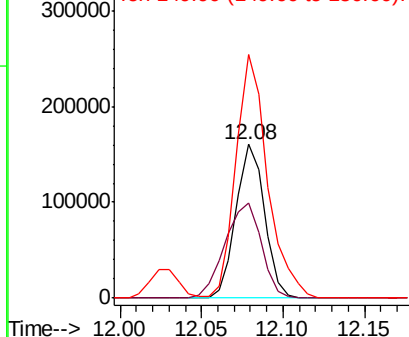
152 100

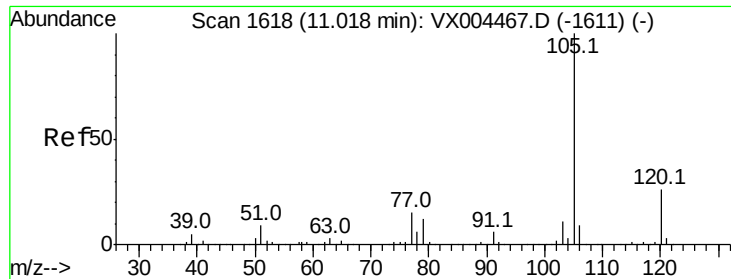
115 79.0 39.0 117.0

150 174.7 0.0 351.0



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

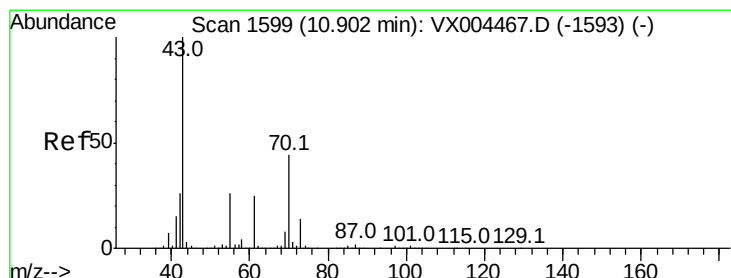
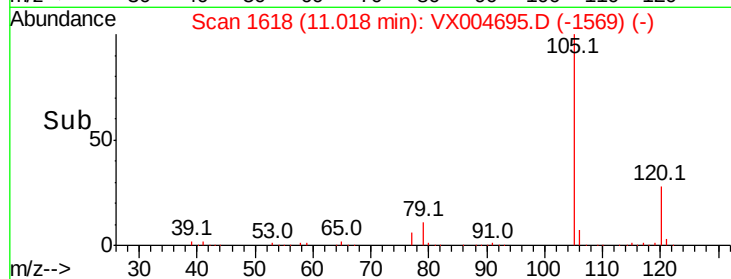
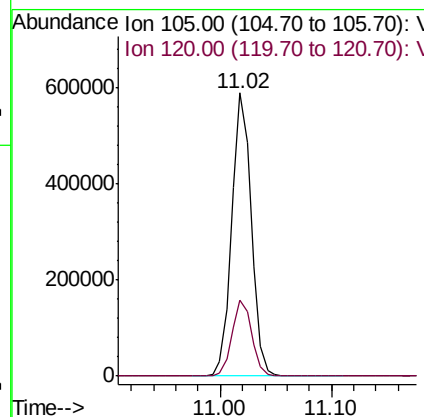
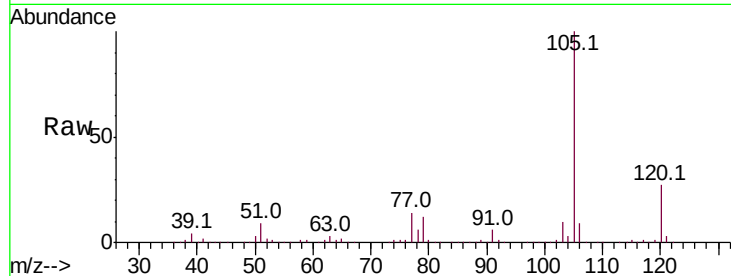




#73
Isopropylbenzene
Concen: 55.143 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

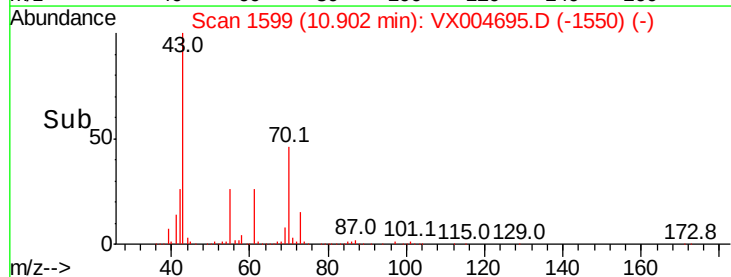
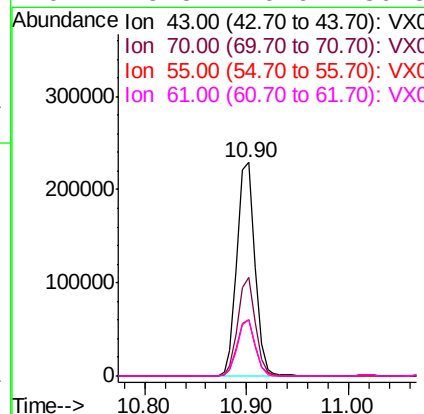
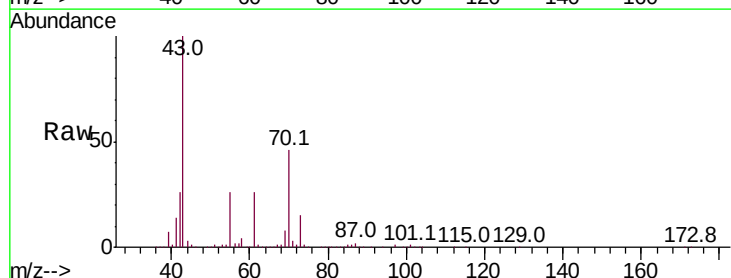
Instrument :
MSVOA_X
ClientSampleId :

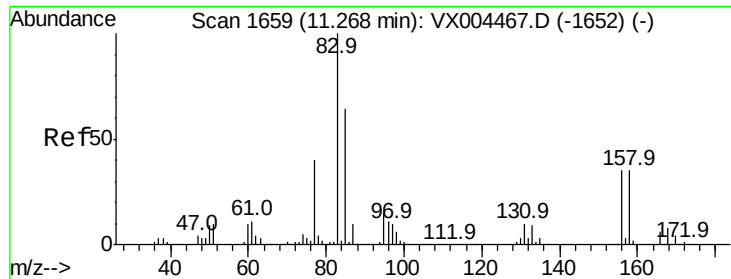
Tot Ion:105 Resp: 713593
Ion Ratio Lower Upper
105 100
120 27.2 13.5 40.4



#74
N-ethyl acetate
Concen: 50.872 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004695.D
Acq: 19 Sep 2018 10:04

Tgt Ion: 43 Resp: 277093
Ion Ratio Lower Upper
43 100
70 44.8 37.4 56.0
55 26.3 21.8 32.8
61 25.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.841 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

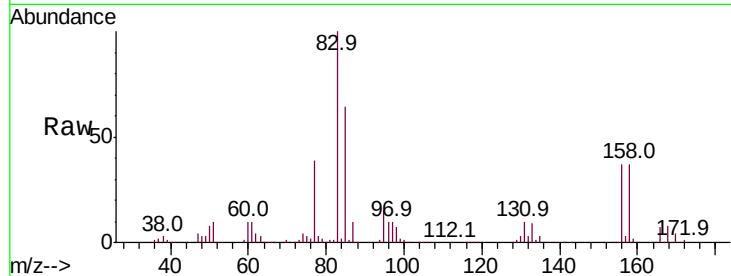
Tot Ion: 83 Resp: 195522

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

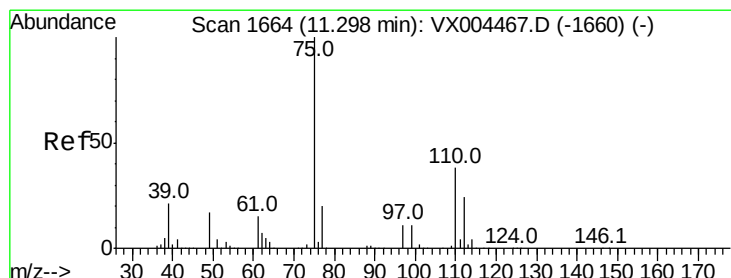
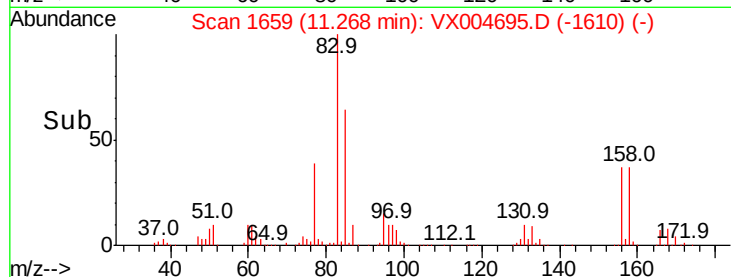
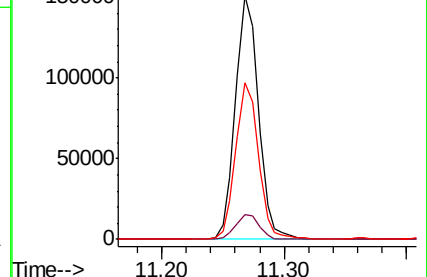
85 64.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.314 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004695.D

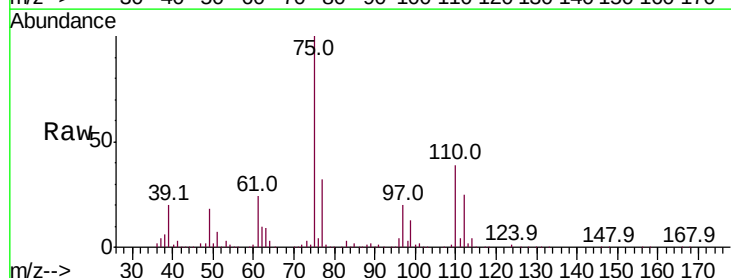
Acq: 19 Sep 2018 10:04

Tgt Ion: 75 Resp: 254252

Ion Ratio Lower Upper

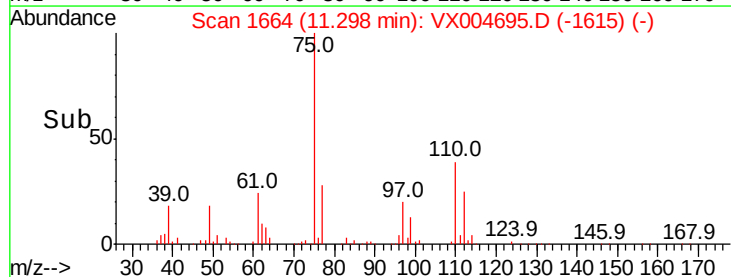
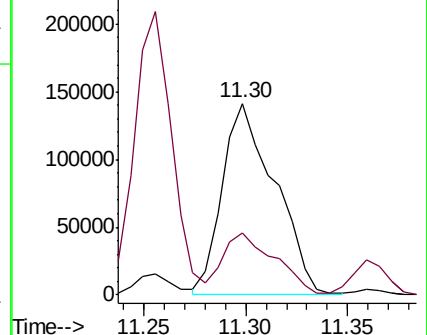
75 100

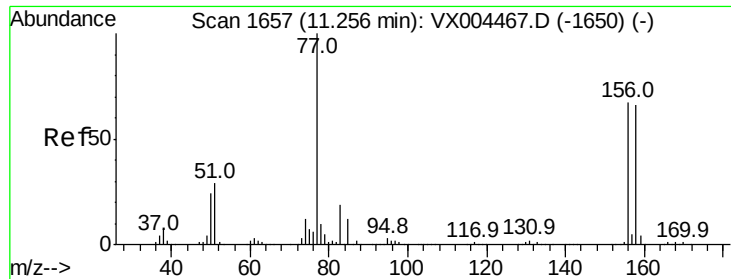
77 32.0 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.411 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

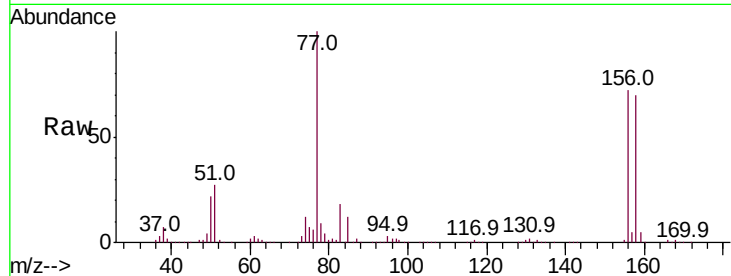
Tot Ion:156 Resp: 191045

Ion Ratio Lower Upper

156 100

77 140.3 71.5 214.3

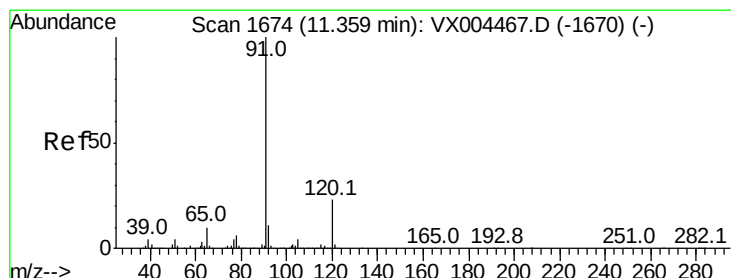
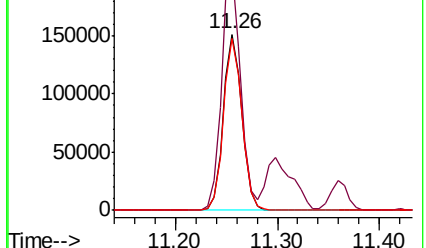
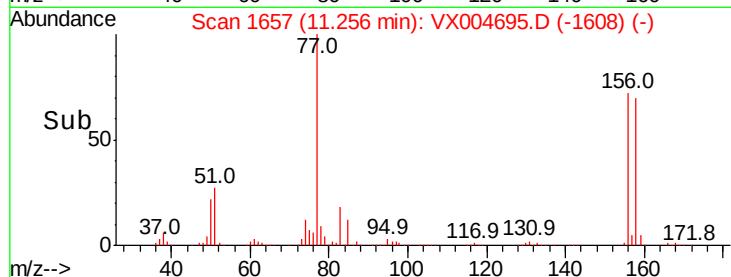
158 97.5 48.9 146.8



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: 55.730 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004695.D

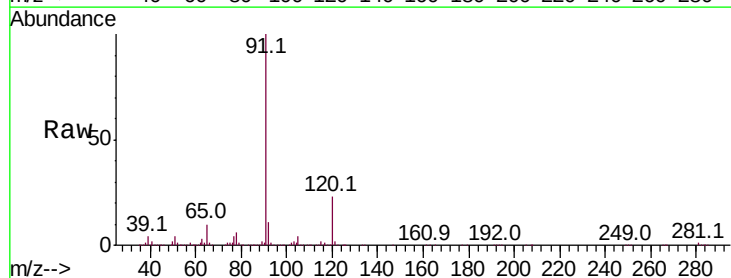
Acq: 19 Sep 2018 10:04

Tgt Ion: 91 Resp: 829226

Ion Ratio Lower Upper

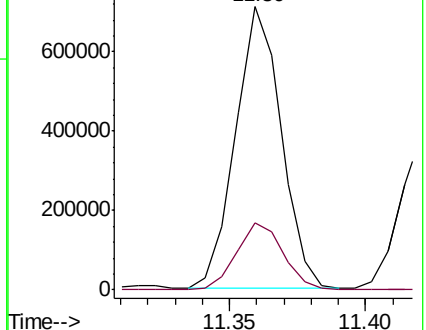
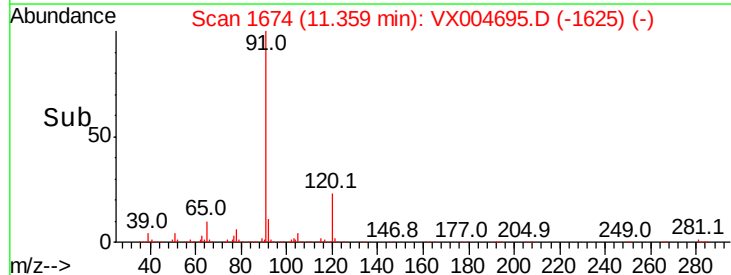
91 100

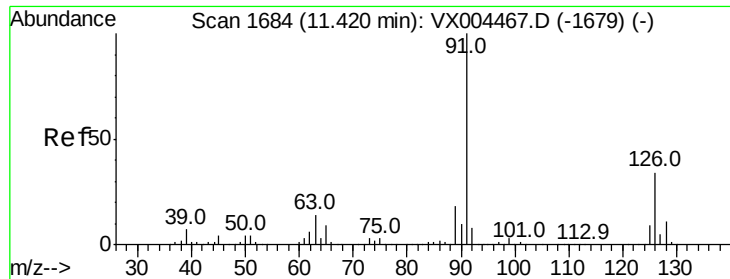
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.784 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

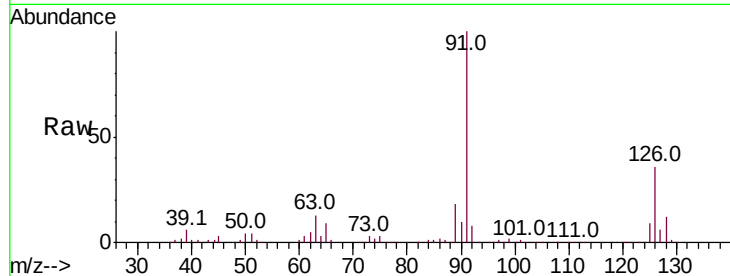
ClientSampled :

Tot Ion: 91 Resp: 476337

Ion Ratio Lower Upper

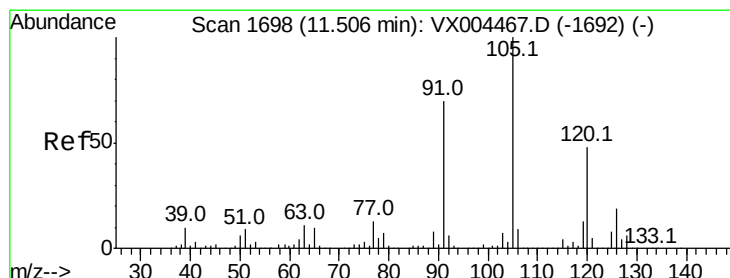
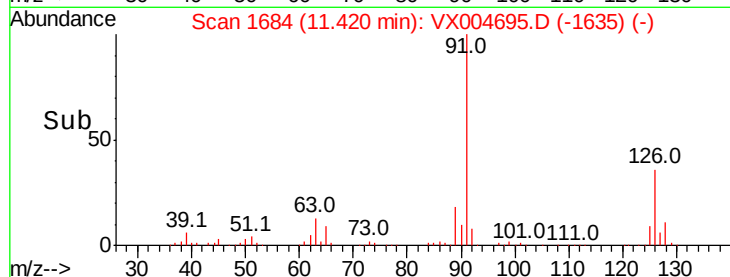
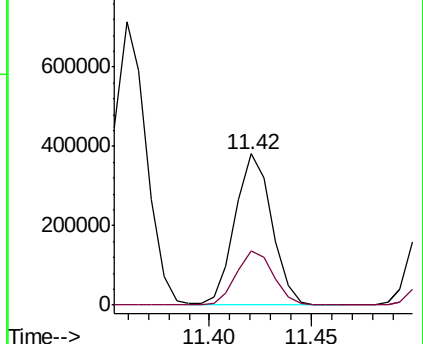
91 100

126 36.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.936 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004695.D

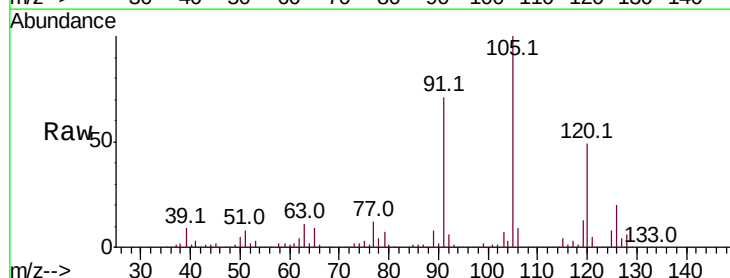
Acq: 19 Sep 2018 10:04

Tgt Ion: 105 Resp: 608519

Ion Ratio Lower Upper

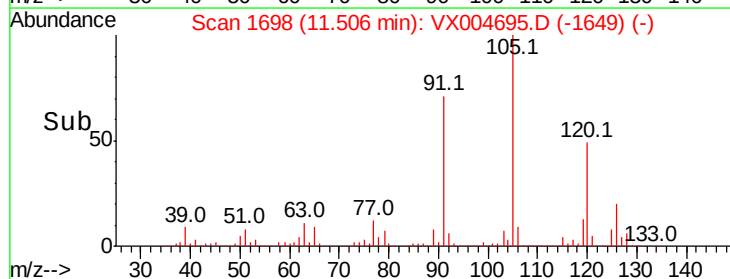
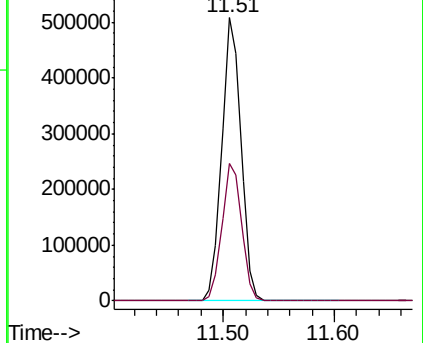
105 100

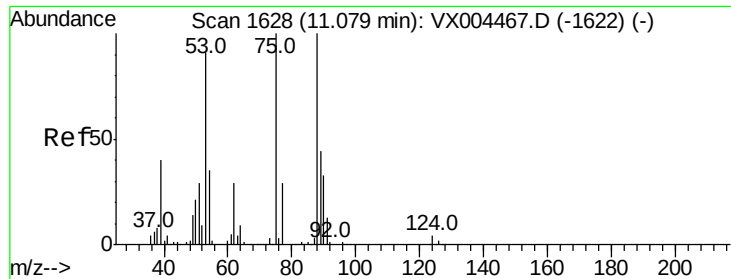
120 49.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.056 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

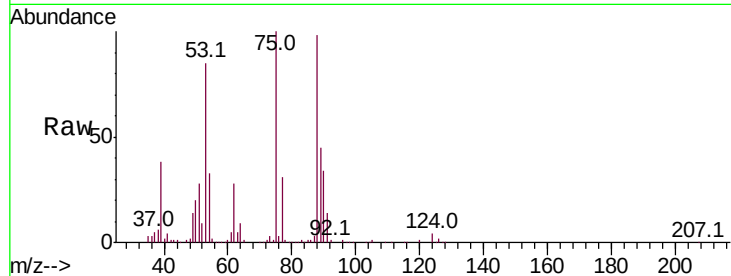
Tot Ion: 75 Resp: 69524

Ion Ratio Lower Upper

75 100

53 89.5 80.1 120.1

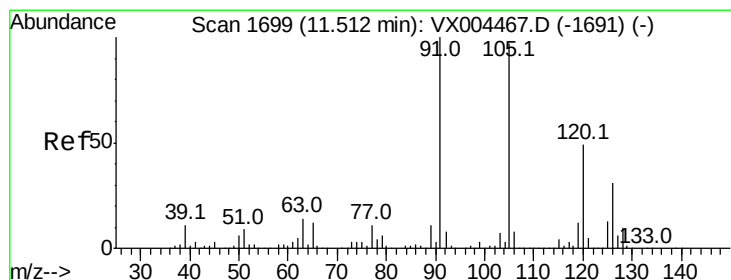
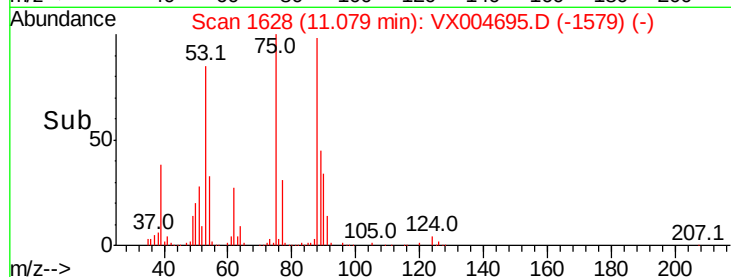
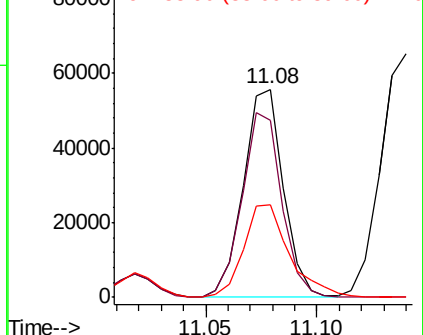
89 51.4 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.311 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004695.D

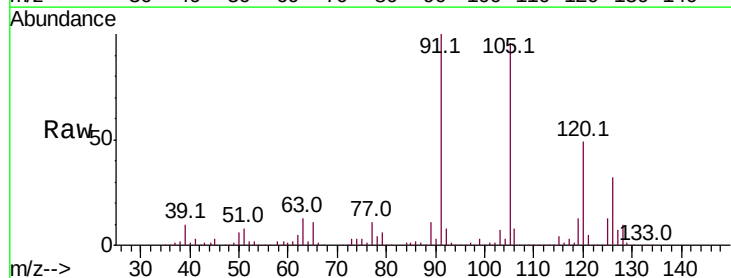
Acq: 19 Sep 2018 10:04

Tgt Ion: 91 Resp: 561495

Ion Ratio Lower Upper

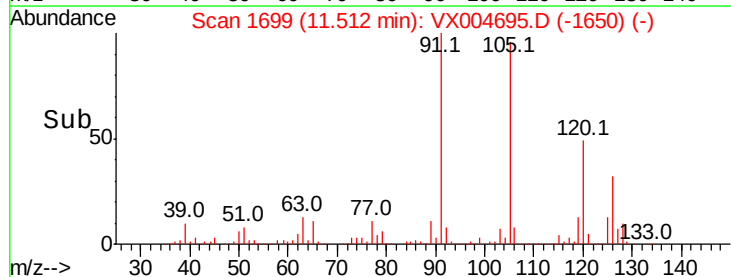
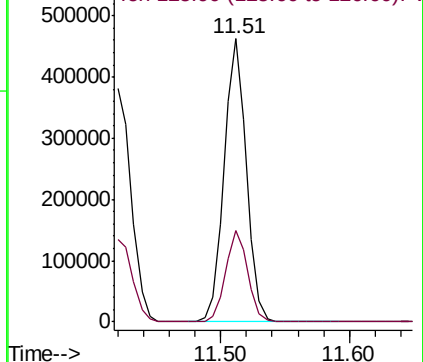
91 100

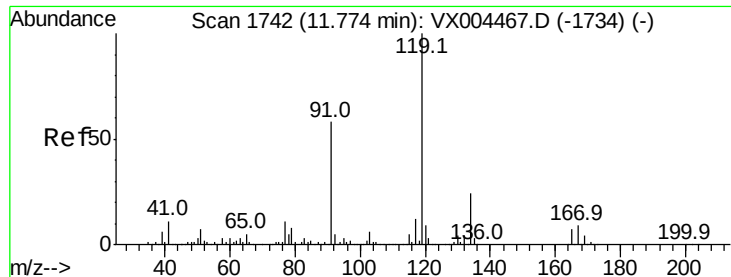
126 32.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

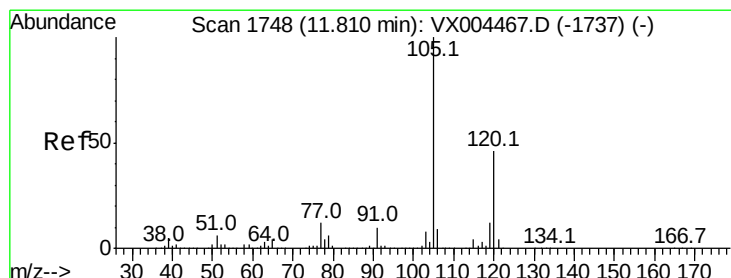
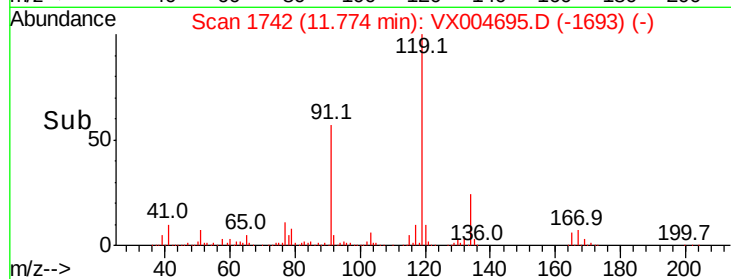
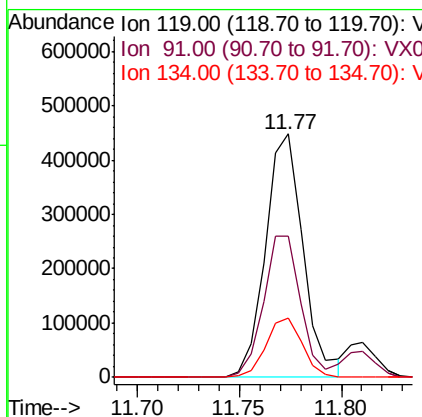
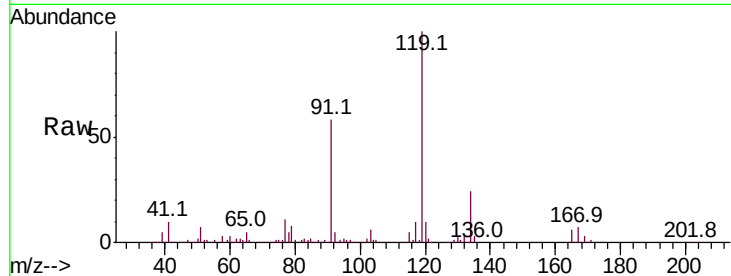




#83
 tert-Butylbenzene
 Concen: 55.670 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

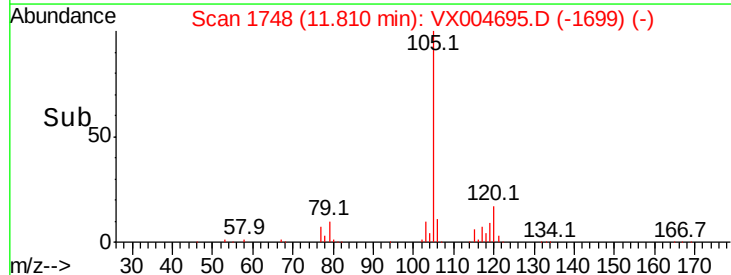
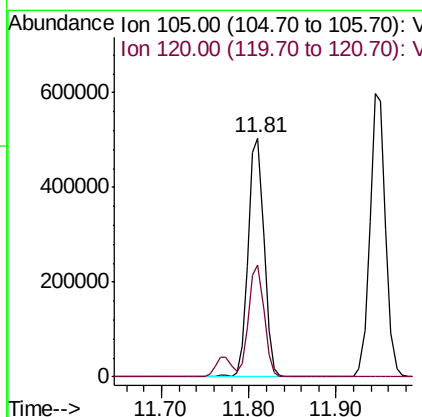
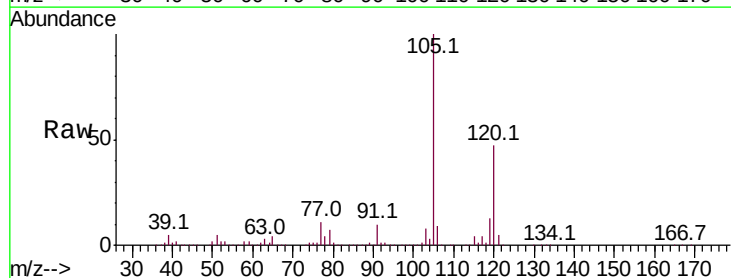
Instrument :
 MSVOA_X
 ClientSampled :

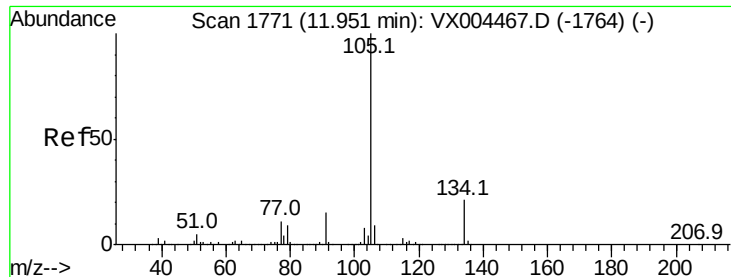
Tot Ion:119 Resp: 576580
 Ion Ratio Lower Upper
 119 100
 91 57.3 27.0 81.0
 134 23.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 56.468 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion:105 Resp: 627209
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 56.866 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

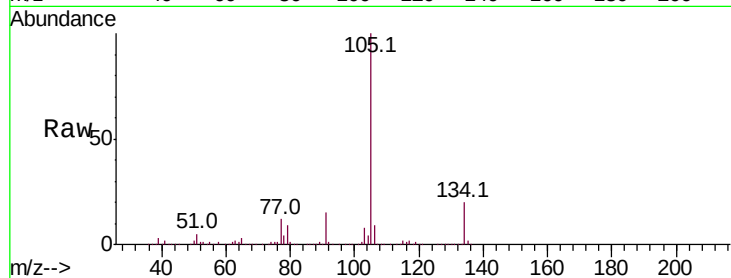
ClientSampleId :

Tot Ion:105 Resp: 750534

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

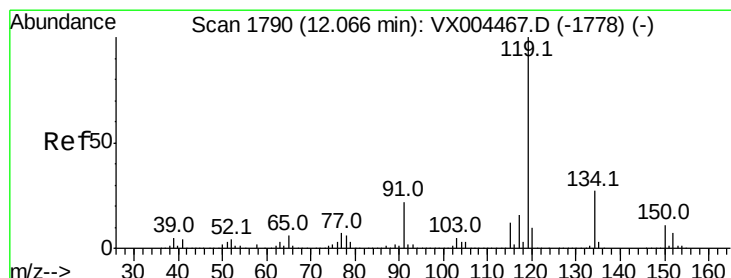
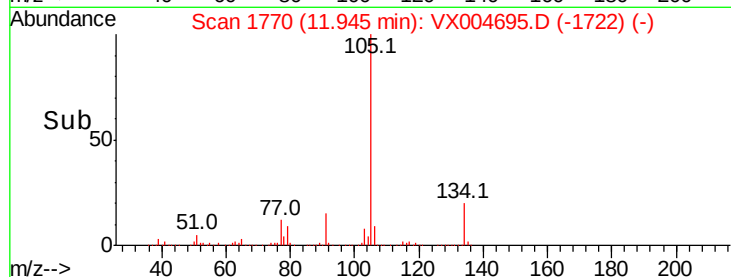
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 58.085 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

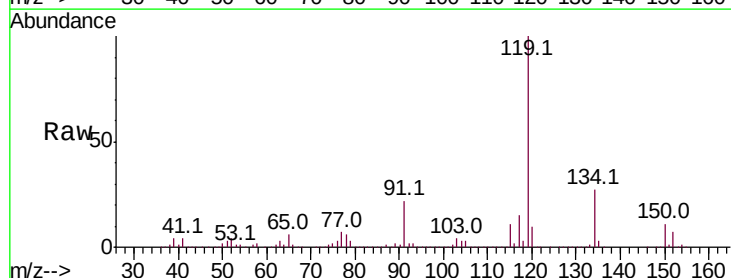
Tgt Ion:119 Resp: 676981

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.0 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

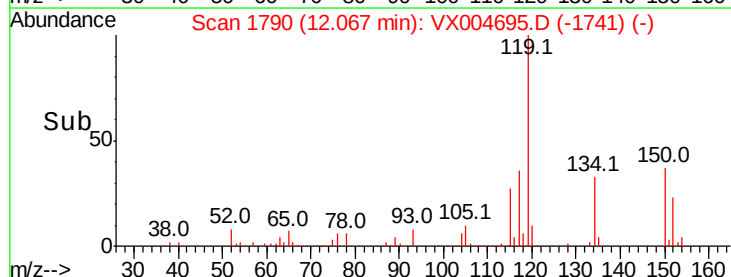
600000

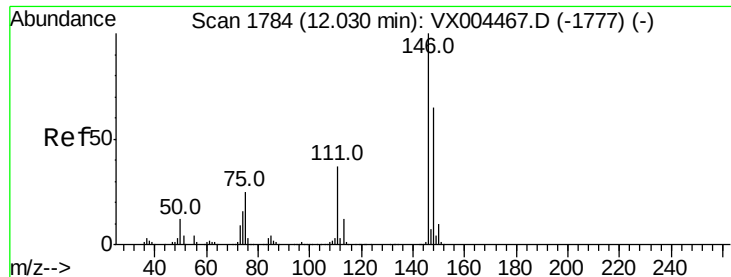
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 54.211 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

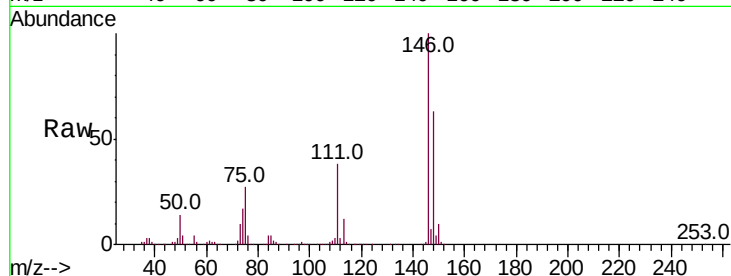
Tot Ion:146 Resp: 361781

Ion Ratio Lower Upper

146 100

111 37.0 18.7 56.1

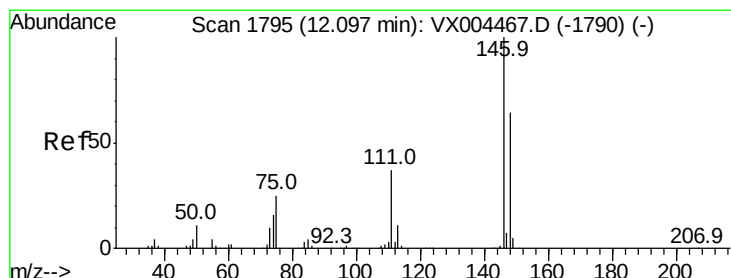
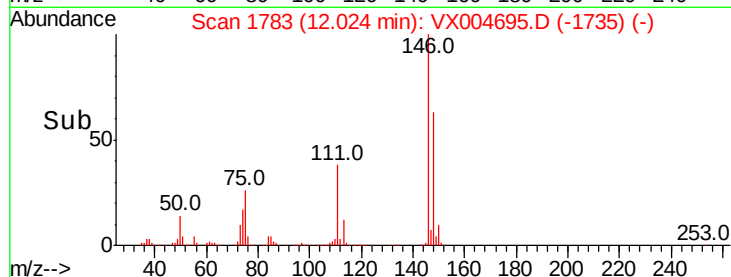
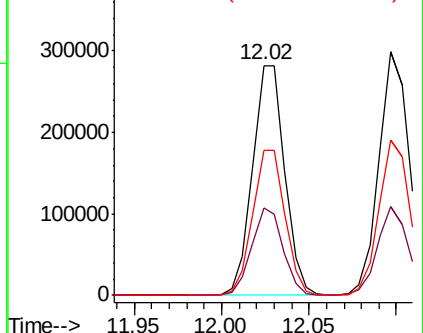
148 63.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.457 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

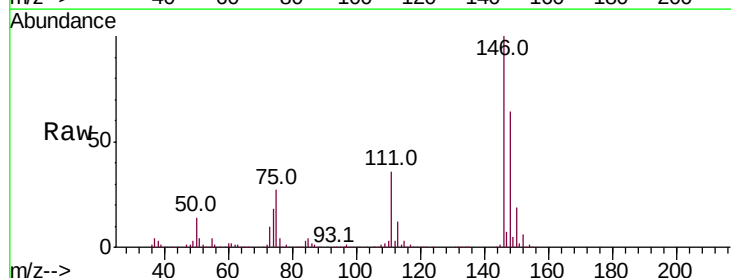
Tgt Ion:146 Resp: 361726

Ion Ratio Lower Upper

146 100

111 36.6 18.1 54.1

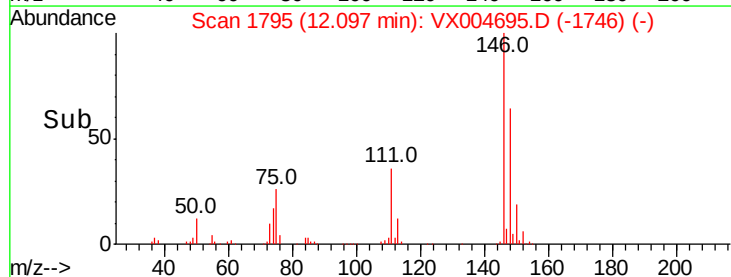
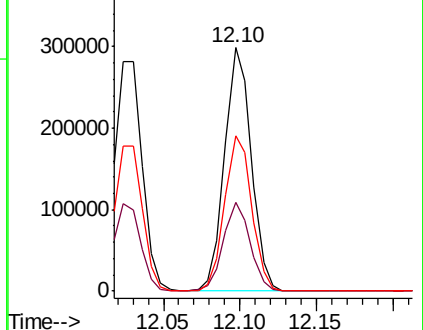
148 65.1 32.0 96.0

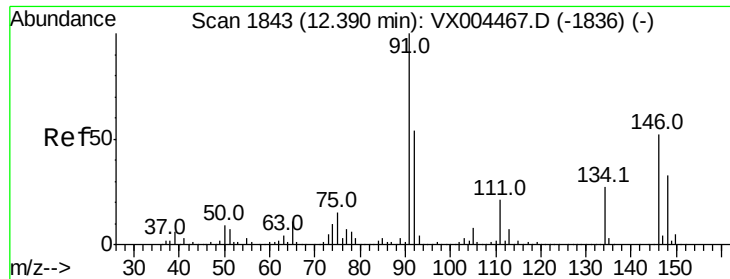


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 57.379 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

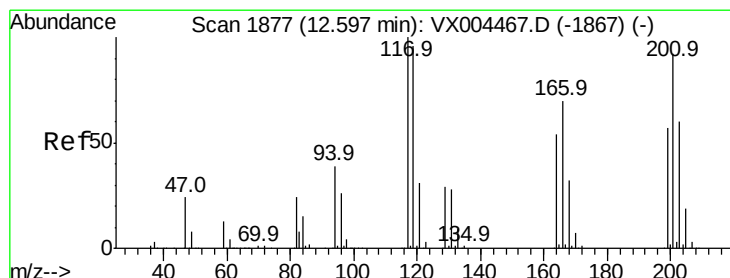
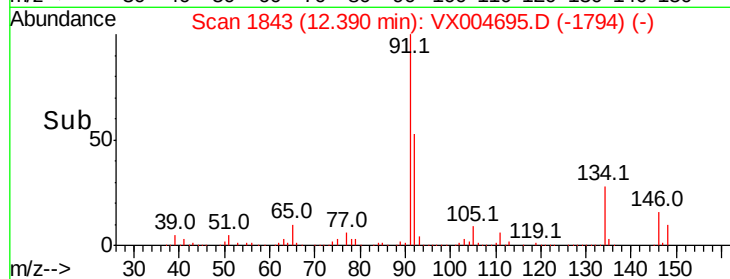
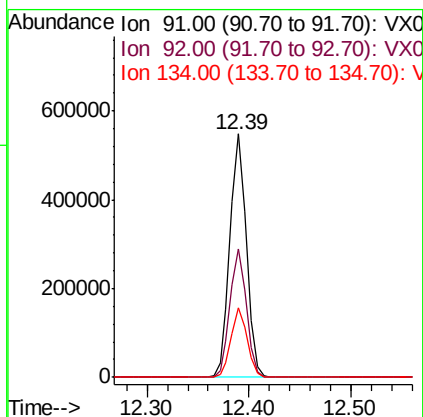
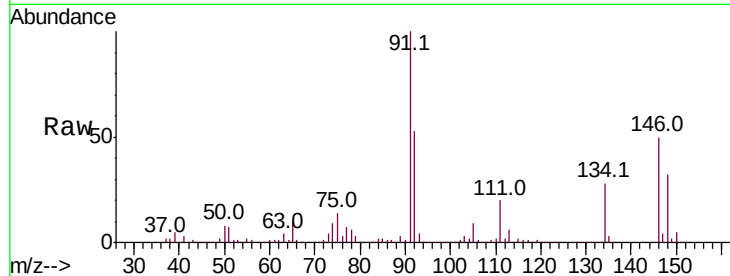
Tot Ion: 91 Resp: 609407

Ion Ratio Lower Upper

91 100

92 52.7 27.3 81.9

134 27.9 13.6 40.7



#90

Hexachloroethane

Concen: 55.887 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX004695.D

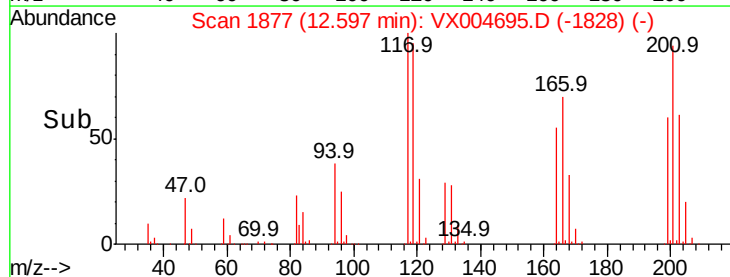
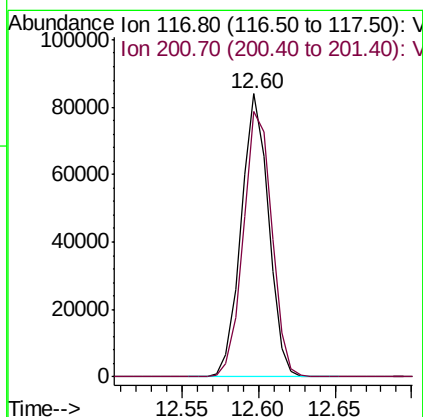
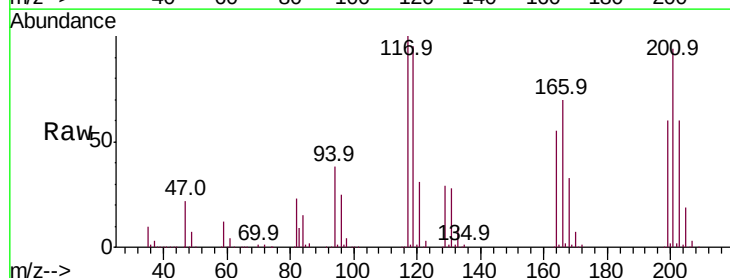
Acq: 19 Sep 2018 10:04

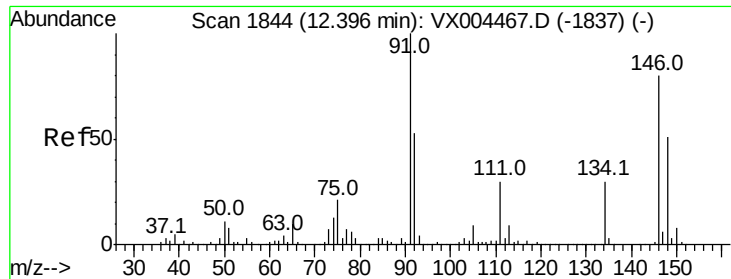
Tgt Ion: 117 Resp: 104276

Ion Ratio Lower Upper

117 100

201 97.4 46.9 140.6

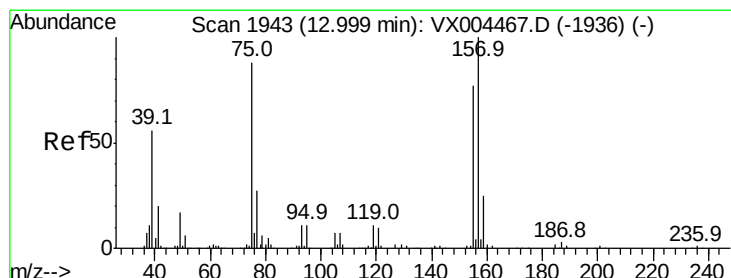
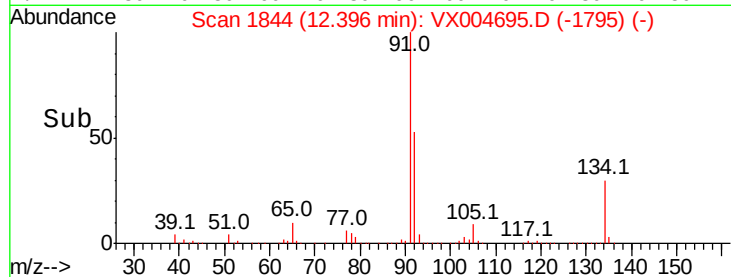
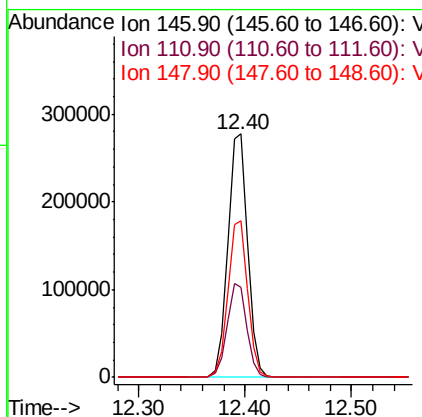
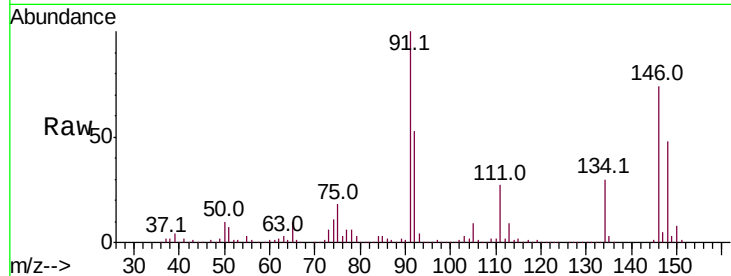




#91
 1,2-Dichlorobenzene
 Concen: 53.459 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

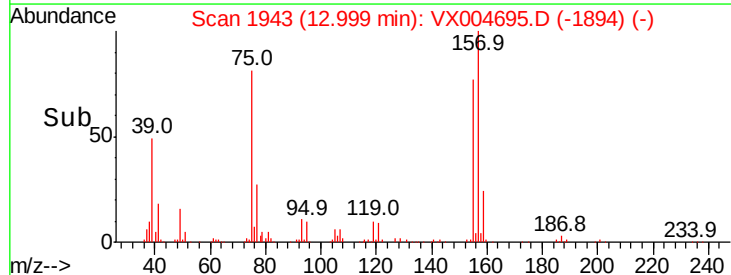
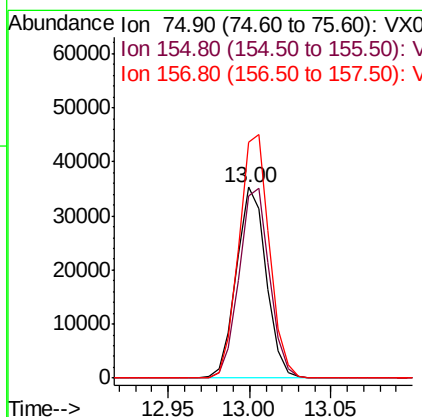
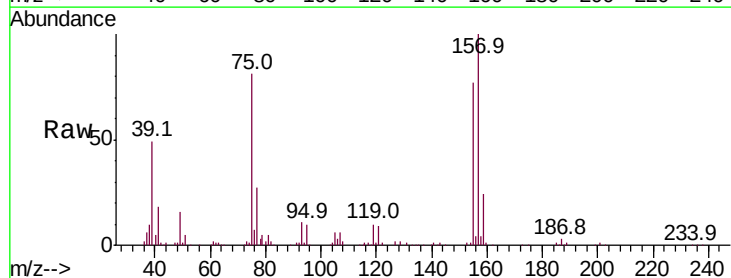
Instrument :
 MSVOA_X
 ClientSampleId :

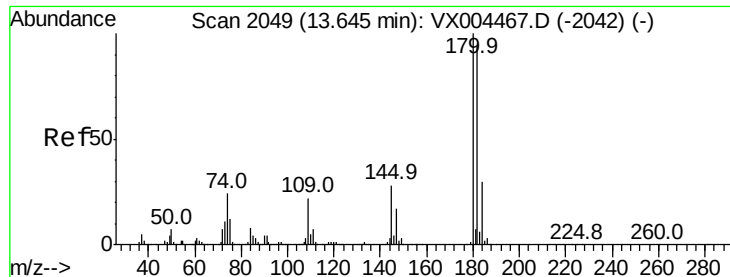
Tot Ion:	146	Resp:	361100
Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.1	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.210 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion:	75	Resp:	44751
Ion	Ratio	Lower	Upper
75	100		
155	101.6	48.0	144.2
157	131.2	61.4	184.1

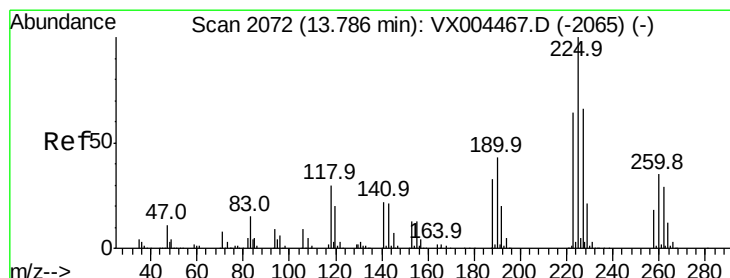
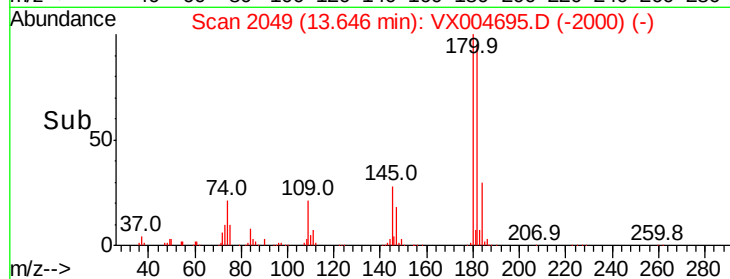
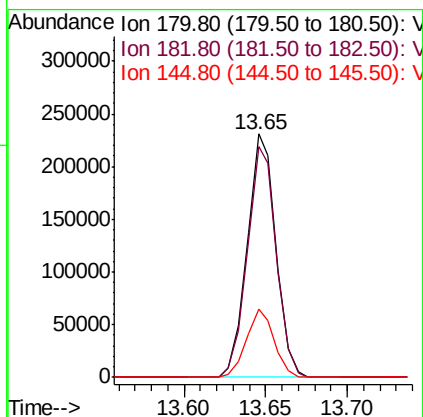
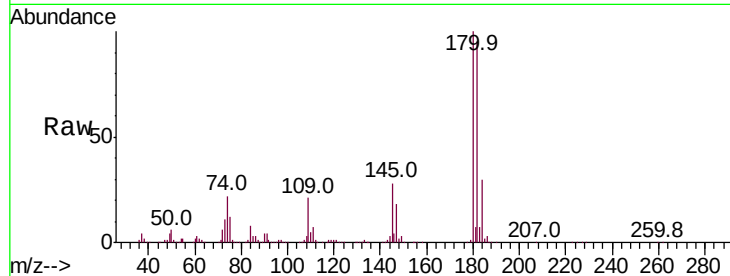




#93
 1,2,4-Trichlorobenzene
 Concen: 59.123 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

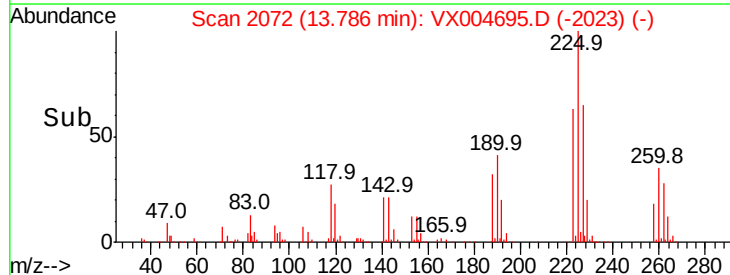
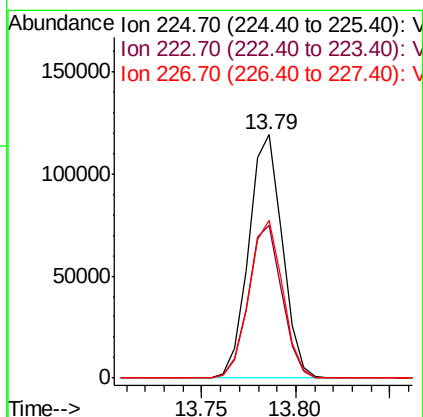
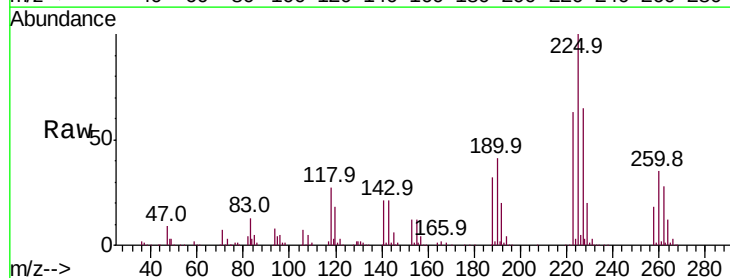
Instrument :
 MSVOA_X
 ClientSampleId :

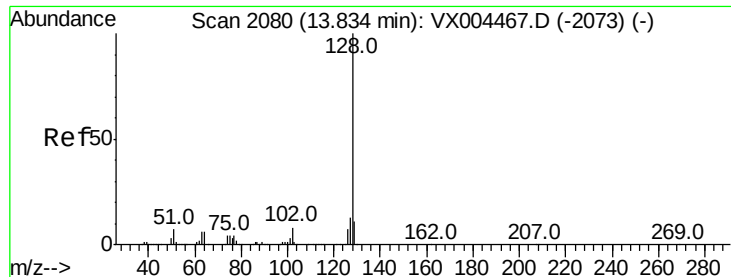
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	27.2	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 59.077 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004695.D
 Acq: 19 Sep 2018 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.1	90.5
227	64.4	30.8	92.4





#95

Naphthalene

Concen: 57.272 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

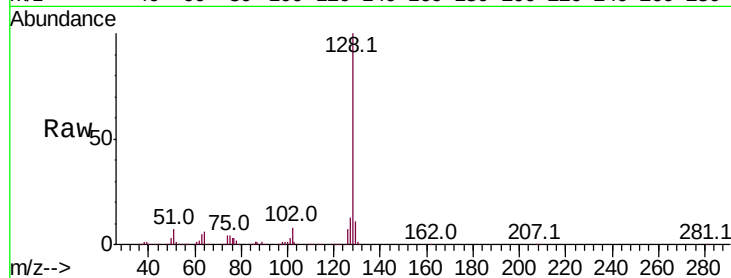
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 768287

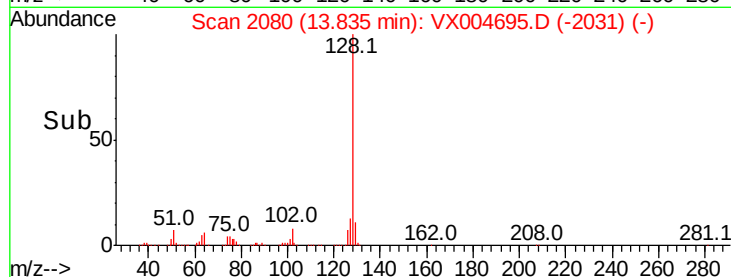
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8



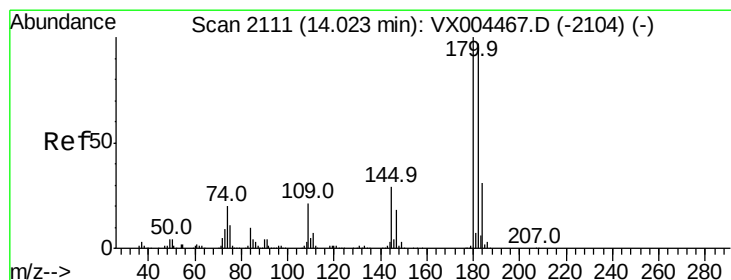
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 13.70 13.83 13.90



#96

1,2,3-Trichlorobenzene

Concen: 57.211 ug/l

RT: 14.02 min Scan# 2111

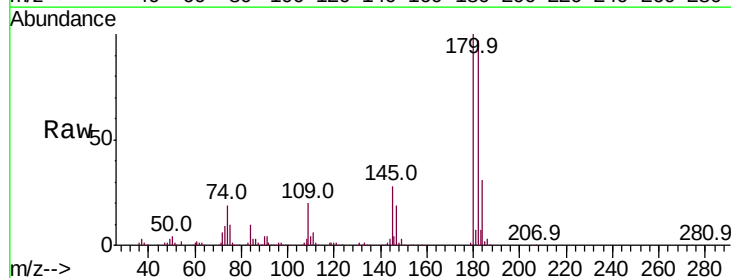
Delta R.T. 0.00 min

Lab File: VX004695.D

Acq: 19 Sep 2018 10:04

Tgt Ion:180 Resp: 281116

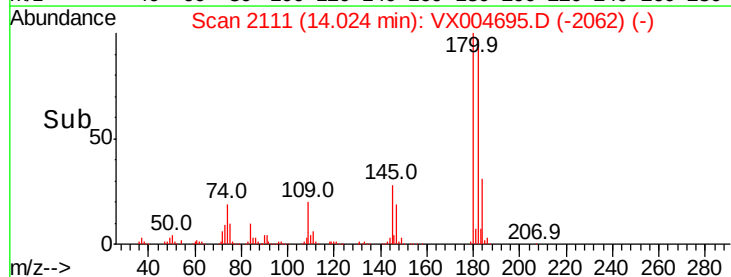
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.6
145	29.0	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 14.00 14.02 14.10