

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009572.D
 Acq On : 15 May 2019 12:07
 Operator : JC/SP
 Sample : VX0515MBS01
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	162465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	254397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	101083	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	5.49	113	76382	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	8.71	98	306497	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.13	95	112583	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	24216	16.175	ug/l 99
3) Chloromethane	1.32	50	35982	17.604	ug/l 100
4) Vinyl Chloride	1.41	62	35805	17.964	ug/l 100
5) Bromomethane	1.64	94	21867	18.279	ug/l 97
6) Chloroethane	1.72	64	22947	17.932	ug/l 98
7) Trichlorofluoromethane	1.93	101	45729	18.875	ug/l 97
8) Diethyl Ether	2.18	74	20970	18.273	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	28611	18.805	ug/l 99
10) Methyl Iodide	2.51	142	29930	19.970	ug/l 97
11) Tert butyl alcohol	3.04	59	40293	78.486	ug/l 98
12) 1,1-Dichloroethene	2.37	96	28194	18.495	ug/l 99
13) Acrolein	2.29	56	34073	73.286	ug/l 97
14) Allyl chloride	2.73	41	64946	17.482	ug/l 97
15) Acrylonitrile	3.14	53	108211	86.207	ug/l 99
16) Acetone	2.44	43	102874	86.384	ug/l 97
17) Carbon Disulfide	2.57	76	76877	17.963	ug/l 99
18) Methyl Acetate	2.77	43	47950	16.930	ug/l 100
19) Methyl tert-butyl Ether	3.19	73	106849	18.050	ug/l 100
20) Methylene Chloride	2.85	84	33863	17.562	ug/l 96
21) trans-1,2-Dichloroethene	3.17	96	30226	18.283	ug/l 98
22) Diisopropyl ether	3.85	45	131074	18.347	ug/l 92
23) Vinyl Acetate	3.81	43	567211	92.716	ug/l 100
24) 1,1-Dichloroethane	3.70	63	63931	18.140	ug/l 99
25) 2-Butanone	4.67	43	159232	86.043	ug/l 100
26) 2,2-Dichloropropane	4.58	77	47412	18.073	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	36306	18.399	ug/l 99
28) Bromochloromethane	5.01	49	22691	14.022	ug/l 99
29) Tetrahydrofuran	5.12	42	104842	88.039	ug/l 99
30) Chloroform	5.20	83	59133	18.551	ug/l 99
31) Cyclohexane	5.57	56	61512	18.760	ug/l 92
32) 1,1,1-Trichloroethane	5.49	97	47898	18.051	ug/l 98
36) 1,1-Dichloropropene	5.80	75	45115	19.083	ug/l 99
37) Ethyl Acetate	4.83	43	58532	17.770	ug/l 99
38) Carbon Tetrachloride	5.78	117	40395	18.806	ug/l 98

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54622	18.813	ug/l	93
40) Benzene	6.14	78	139117	19.014	ug/l	99
41) Methacrylonitrile	5.03	41	34231	17.458	ug/l	97
42) 1,2-Dichloroethane	6.19	62	50208	19.130	ug/l	100
43) Isopropyl Acetate	6.44	43	94477	17.931	ug/l	100
44) Trichloroethene	7.21	130	33431	18.900	ug/l	97
45) 1,2-Dichloropropane	7.51	63	39053	18.850	ug/l	95
46) Dibromomethane	7.66	93	22437	18.649	ug/l	98
47) Bromodichloromethane	7.90	83	44622	18.594	ug/l	95
48) Methyl methacrylate	7.76	41	47879	18.316	ug/l	98
49) 1,4-Dioxane	7.74	88	16622	313.553	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	312751	90.815	ug/l	99
52) Toluene	8.78	92	84896	19.088	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	50200	18.528	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	56428	18.816	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	33958	18.715	ug/l	99
56) Ethyl methacrylate	9.18	69	59789	18.459	ug/l	99
57) 1,3-Dichloropropane	9.37	76	59876	18.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	142742	83.074	ug/l	99
59) 2-Hexanone	9.49	43	237283	87.728	ug/l	99
60) Dibromochloromethane	9.58	129	33042	18.645	ug/l	100
61) 1,2-Dibromoethane	9.67	107	34040	18.585	ug/l	99
64) Tetrachloroethene	9.34	164	31362	20.039	ug/l	99
65) Chlorobenzene	10.13	112	89337	19.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31500	19.037	ug/l	99
67) Ethyl Benzene	10.25	91	161821	19.265	ug/l	99
68) m/p-Xylenes	10.36	106	119748	39.012	ug/l	99
69) o-Xylene	10.69	106	58018	19.157	ug/l	100
70) Styrene	10.71	104	100664	19.124	ug/l	99
71) Bromoform	10.85	173	23783	17.687	ug/l #	100
73) Isopropylbenzene	11.02	105	157530	18.770	ug/l	100
74) N-amyl acetate	10.90	43	84296	17.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	55223	17.650	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	62939	23.509	ug/l	82
77) Bromobenzene	11.26	156	38019	18.251	ug/l	99
78) n-propylbenzene	11.36	91	180076	18.787	ug/l	99
79) 2-Chlorotoluene	11.42	91	107504	18.179	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	131634	18.627	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17816	17.027	ug/l	96
82) 4-Chlorotoluene	11.51	91	124074	18.572	ug/l	100
83) tert-Butylbenzene	11.77	119	126504	18.402	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	132801	18.722	ug/l	99
85) sec-Butylbenzene	11.94	105	153481	18.831	ug/l	100
86) p-Isopropyltoluene	12.06	119	139914	19.095	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	68494	18.444	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	68943	18.414	ug/l	98
89) n-Butylbenzene	12.38	91	125944	19.018	ug/l	100
90) Hexachloroethane	12.59	117	22339	17.896	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	69067	18.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	11900	16.955	ug/l	100

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Instrument :
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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

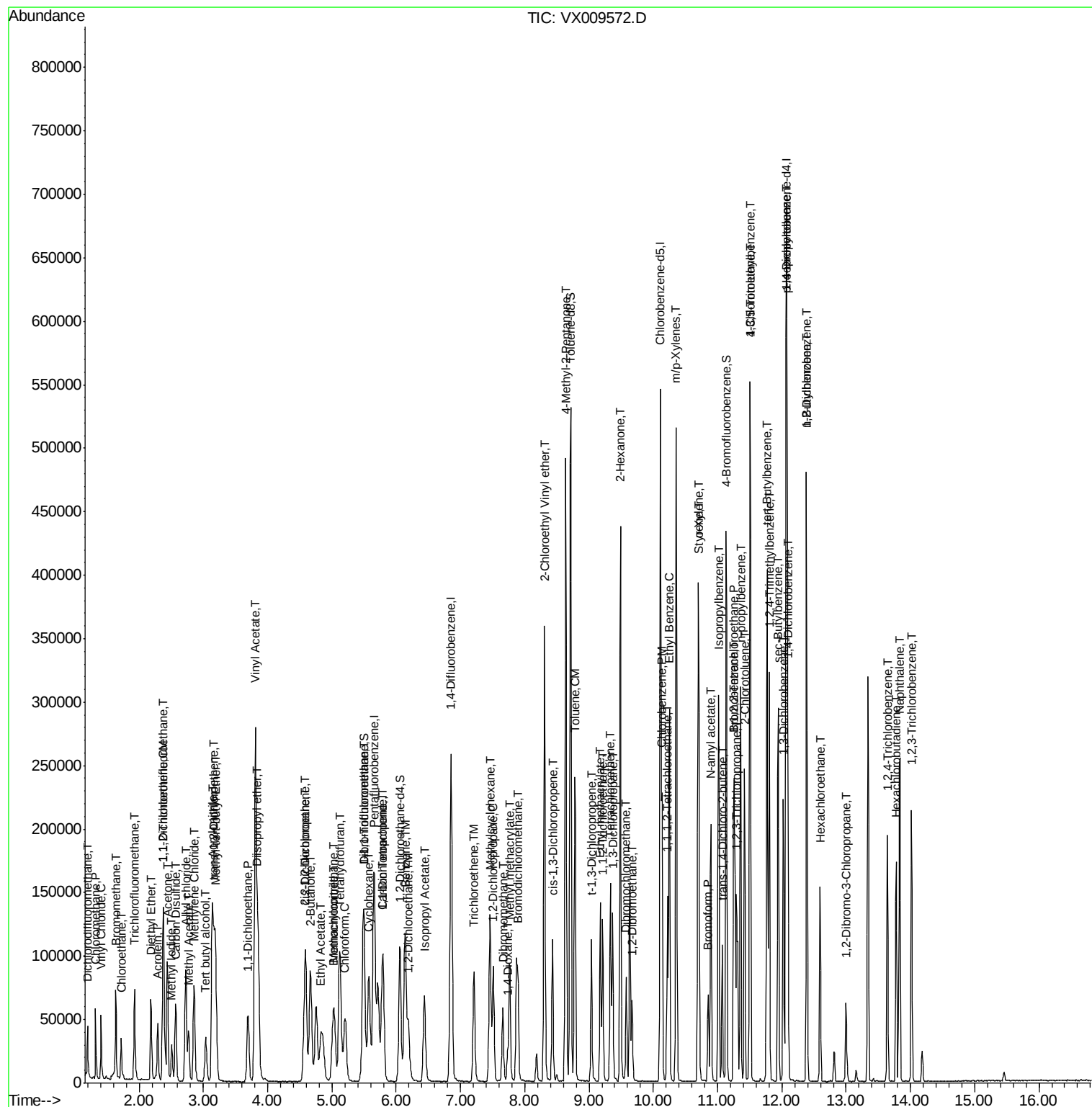
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50400	19.485	ug/l	97
94) Hexachlorobutadiene	13.78	225	25279	19.138	ug/l	97
95) Naphthalene	13.83	128	156973	18.654	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	50208	19.149	ug/l	100

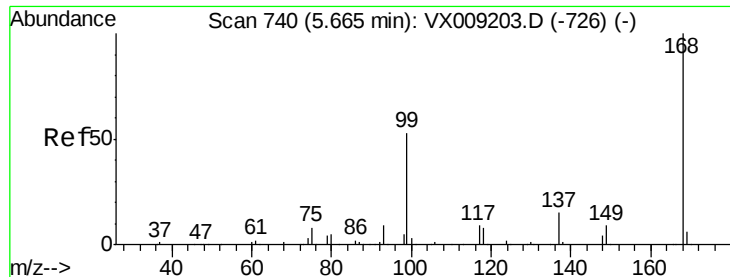
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009572.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

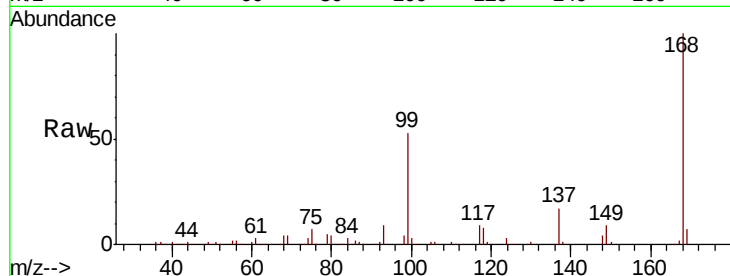
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 162465

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

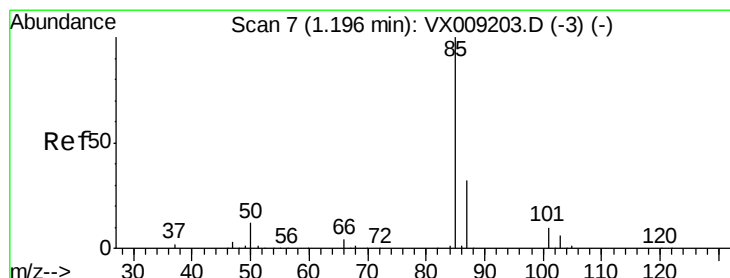
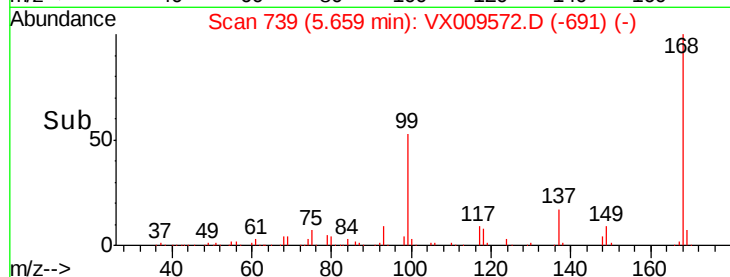
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.175 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009572.D

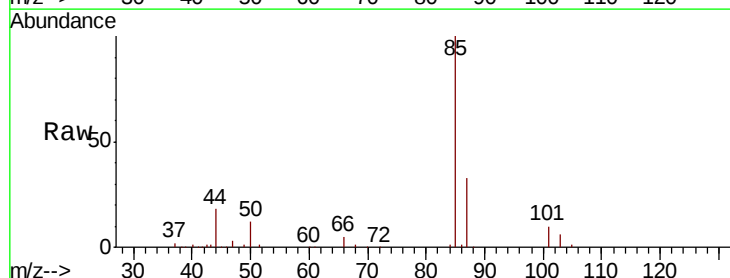
Acq: 15 May 2019 12:07

Tgt Ion: 85 Resp: 24216

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

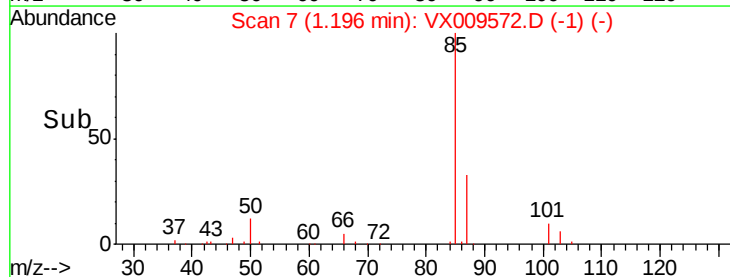
15000

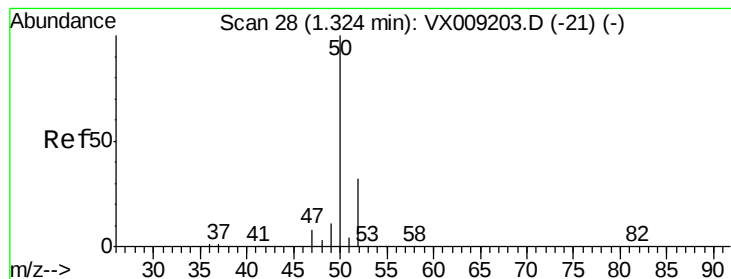
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.604 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

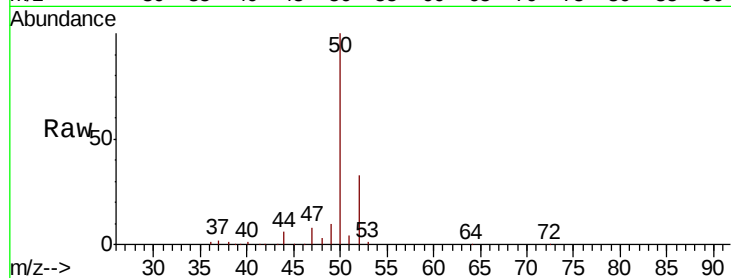
ClientSampleId :

Tot Ion: 50 Resp: 35982

Ion Ratio Lower Upper

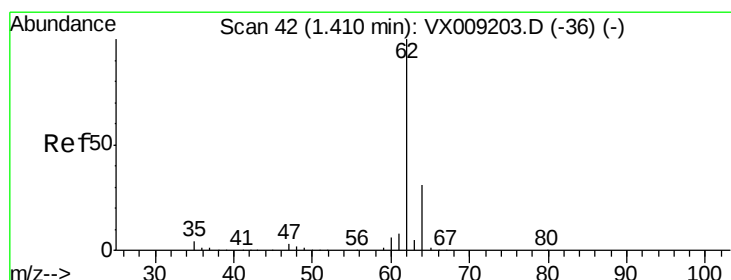
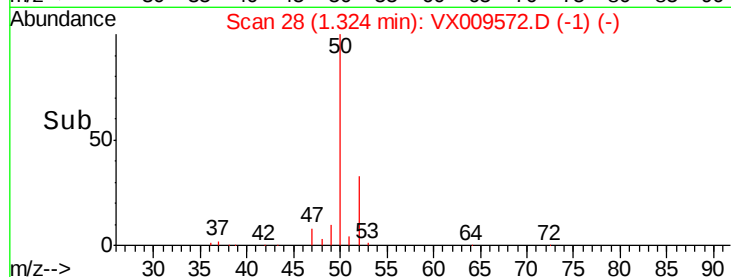
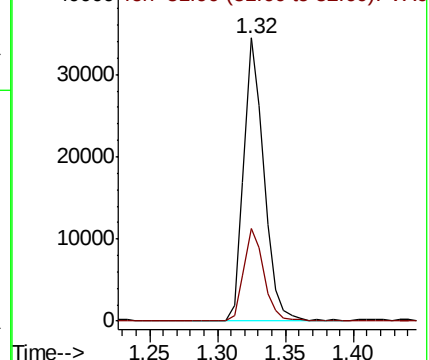
50 100

52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.964 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009572.D

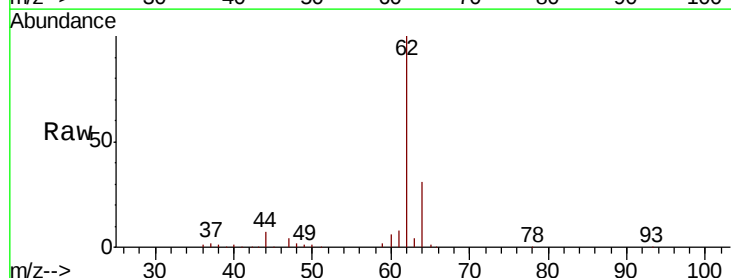
Acq: 15 May 2019 12:07

Tgt Ion: 62 Resp: 35805

Ion Ratio Lower Upper

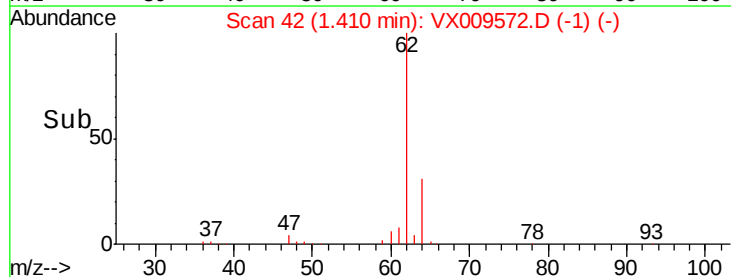
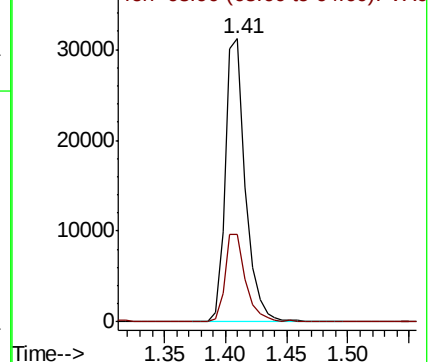
62 100

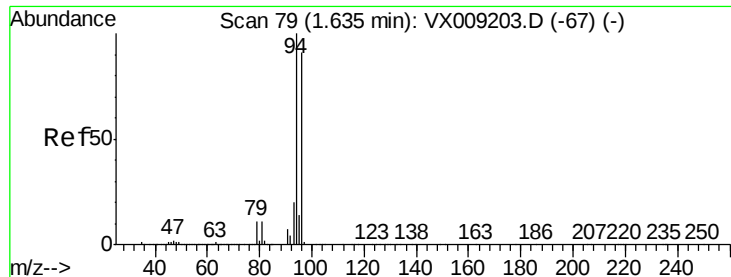
64 30.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.279 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

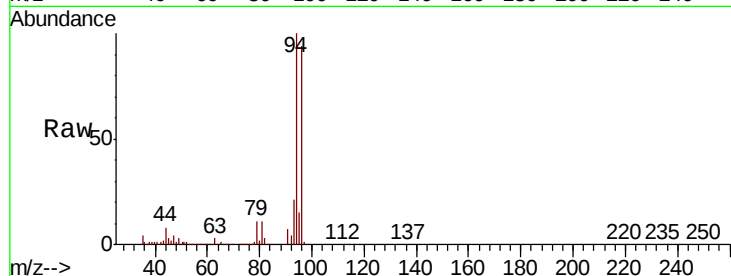
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 21867

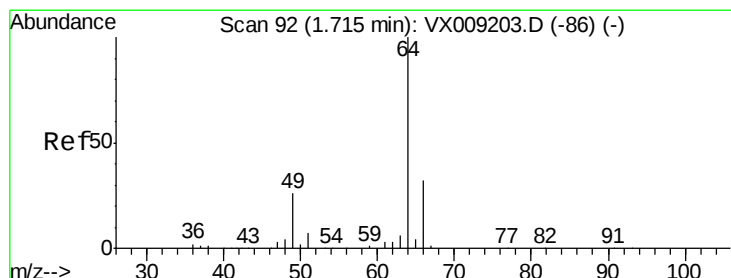
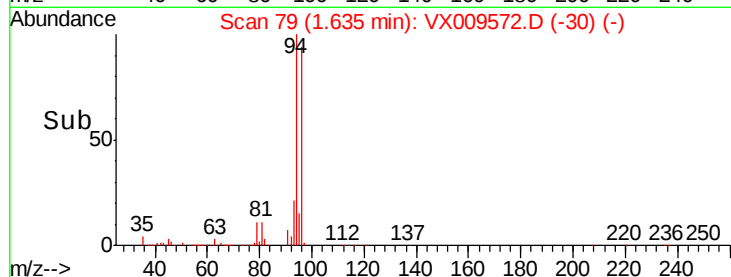
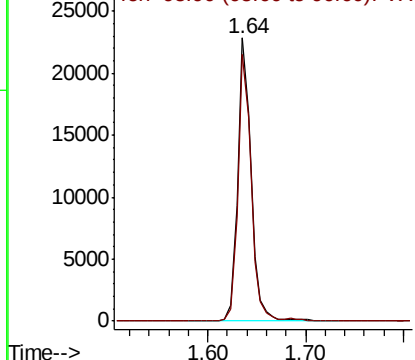
Ion Ratio Lower Upper

94 100

96 94.2 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.932 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009572.D

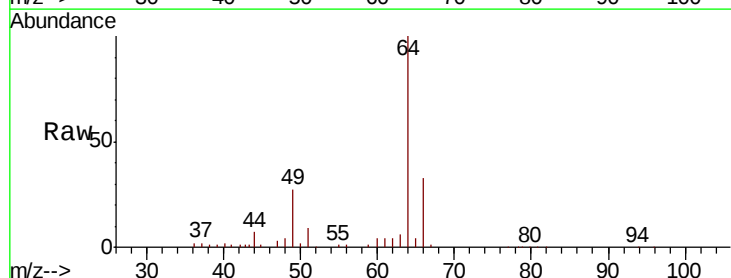
Acq: 15 May 2019 12:07

Tgt Ion: 64 Resp: 22947

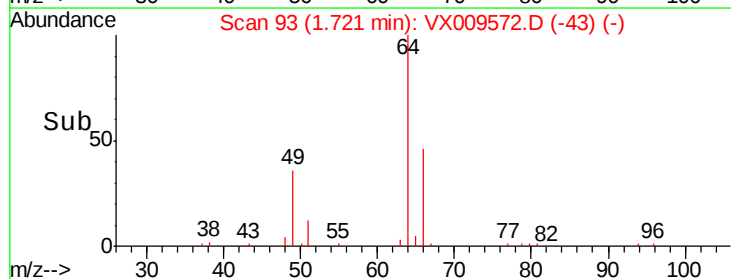
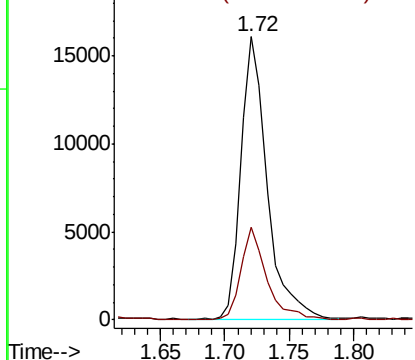
Ion Ratio Lower Upper

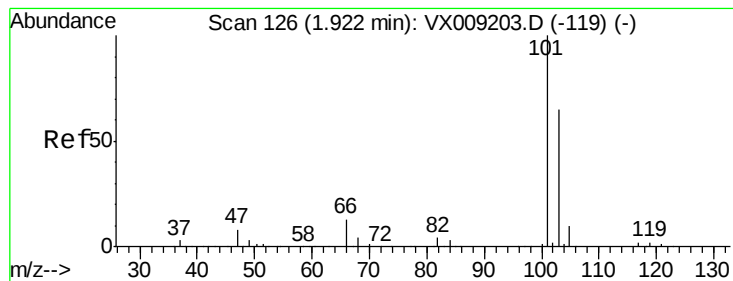
64 100

66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



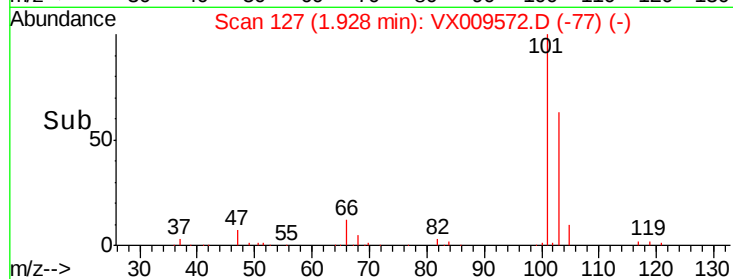
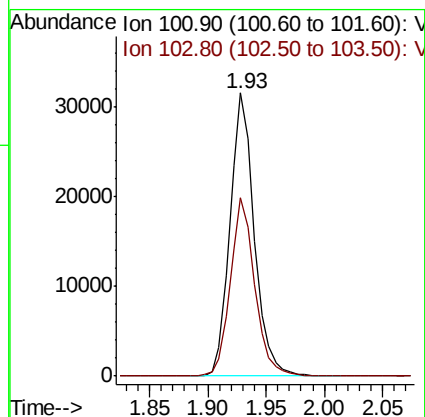
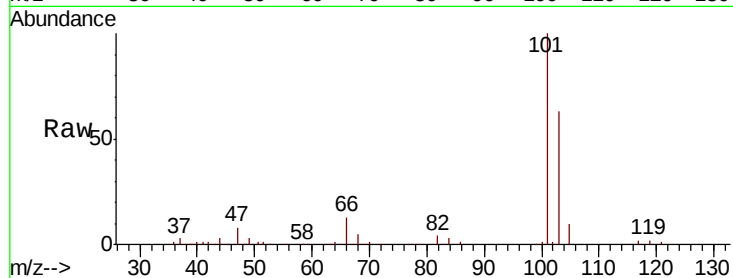


#7

Trichlorofluoromethane
 Concen: 18.875 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :

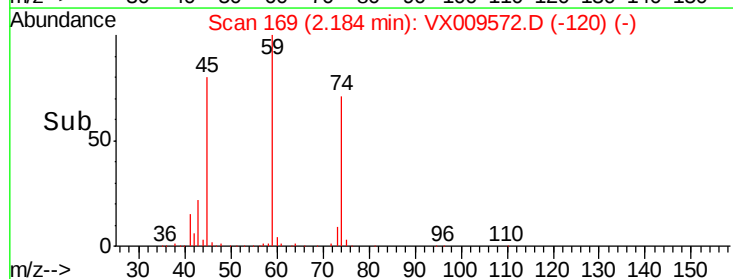
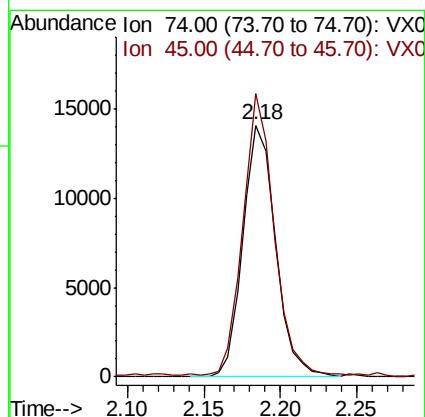
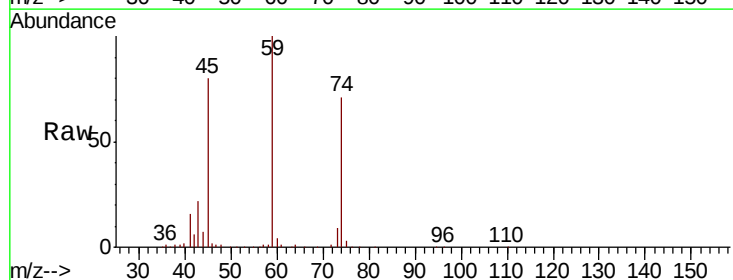
Tot Ion:101 Resp: 45729
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.4 78.6



#8

Diethyl Ether
 Concen: 18.273 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion: 74 Resp: 20970
 Ion Ratio Lower Upper
 74 100
 45 106.4 53.3 159.9

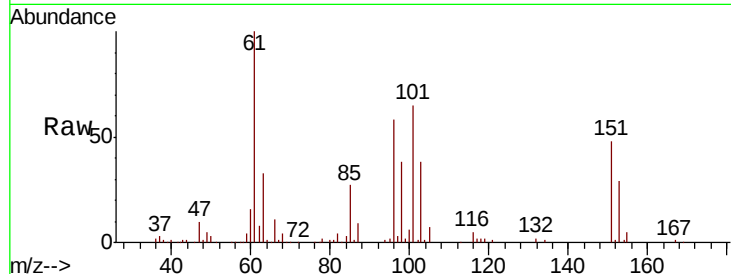




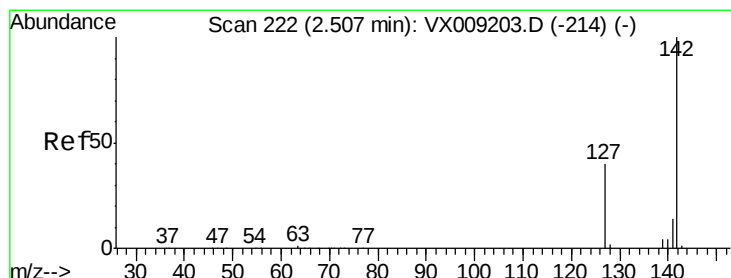
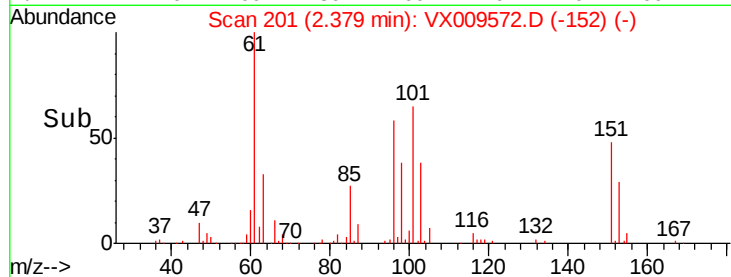
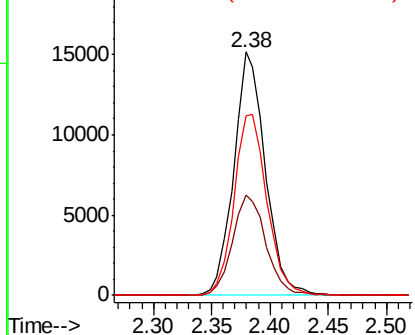
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.805 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:101 Resp: 28611
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.7 53.5
 151 77.8 62.2 93.2

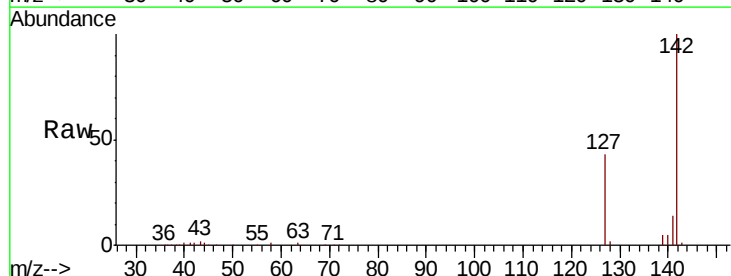


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

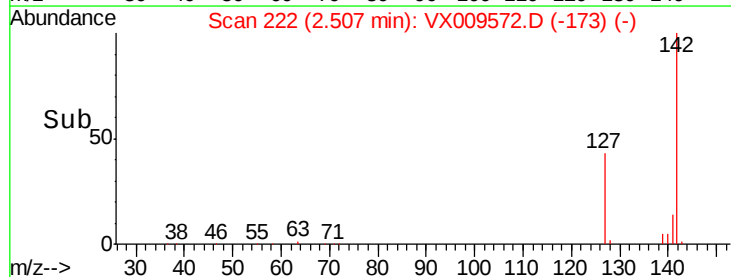
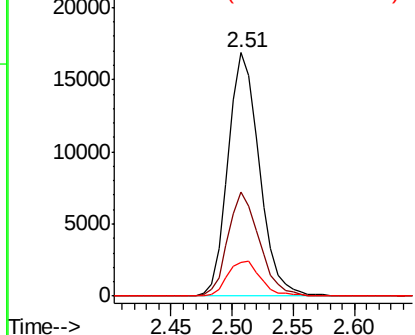


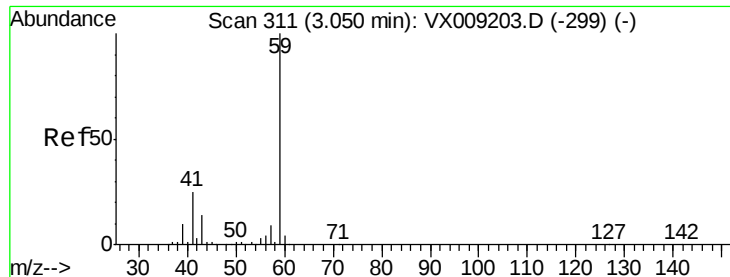
#10
 Methyl Iodide
 Concen: 19.970 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion:142 Resp: 29930
 Ion Ratio Lower Upper
 142 100
 127 42.7 32.7 49.1
 141 15.2 11.5 17.3



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: 78.486 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

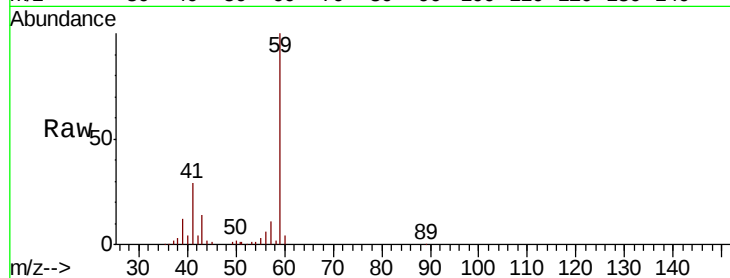
ClientSampleId :

Tot Ion: 59 Resp: 40293

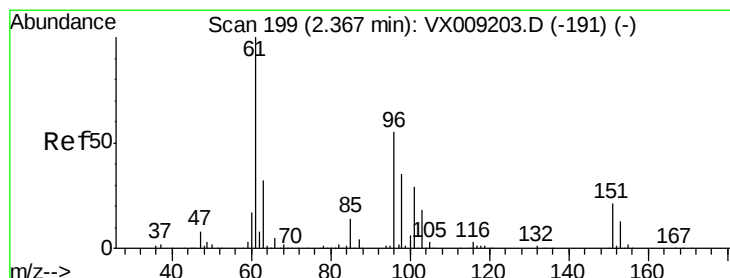
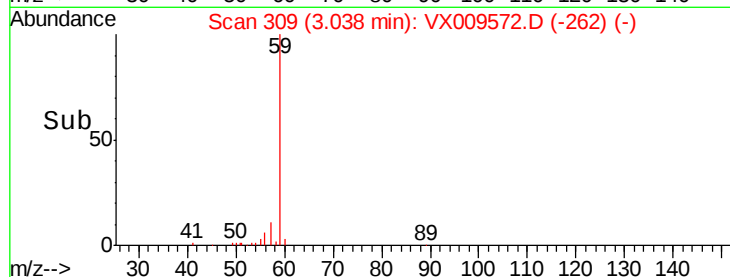
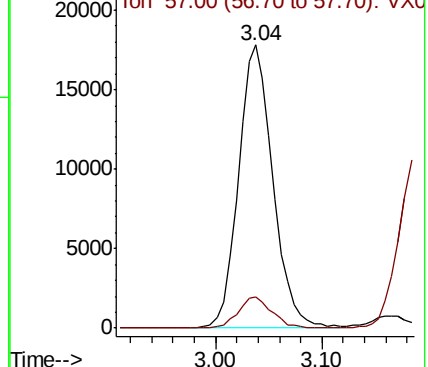
Ion Ratio Lower Upper

59 100

57 11.0 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0



#12

1,1-Dichloroethene

Concen: 18.495 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

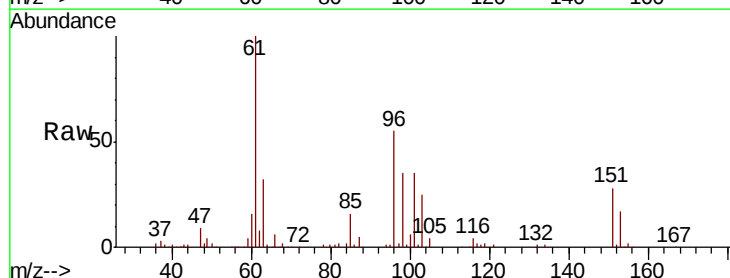
Tgt Ion: 96 Resp: 28194

Ion Ratio Lower Upper

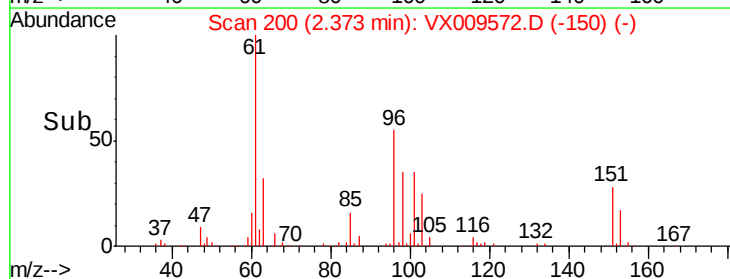
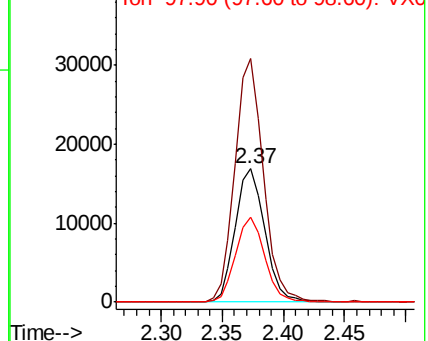
96 100

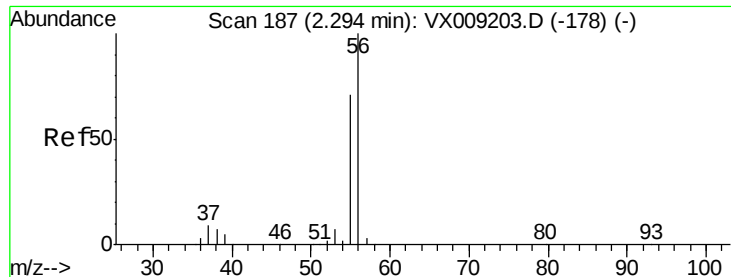
61 182.5 144.3 216.5

98 63.3 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: 73.286 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

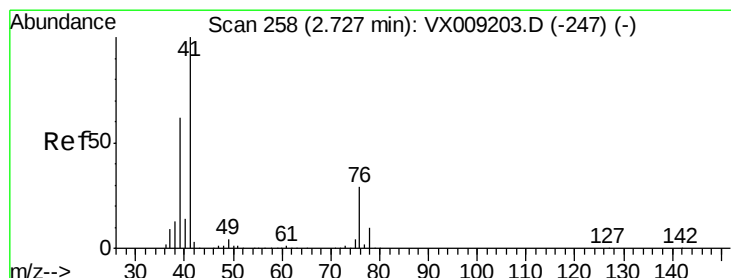
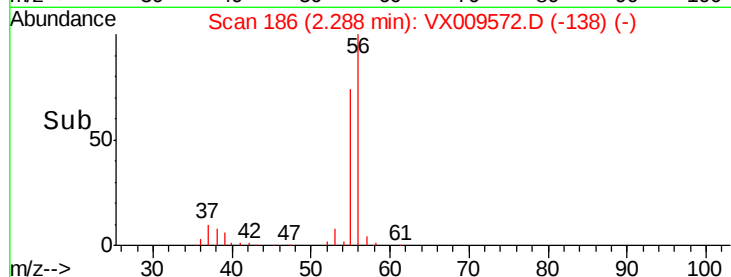
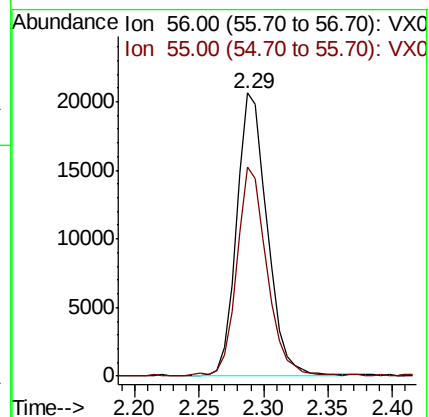
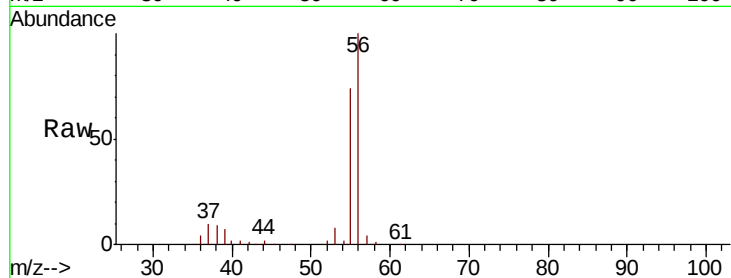
ClientSampled :

Tot Ion: 56 Resp: 34073

Ion Ratio Lower Upper

56 100

55 73.3 56.6 85.0



#14

Allyl chloride

Concen: 17.482 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

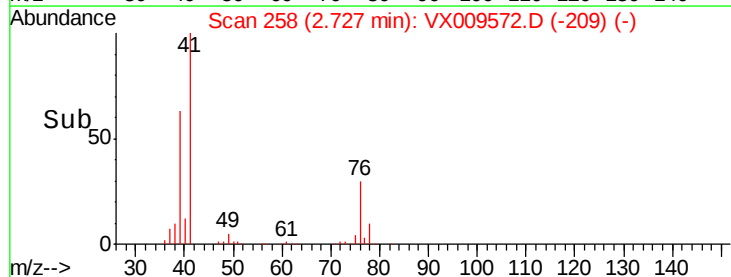
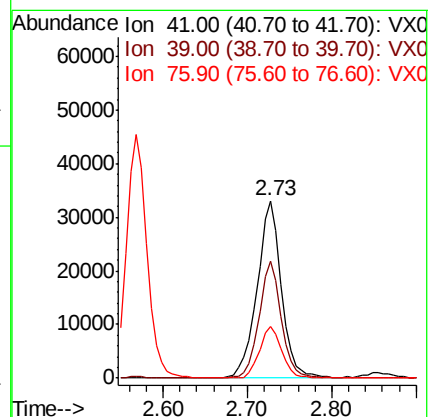
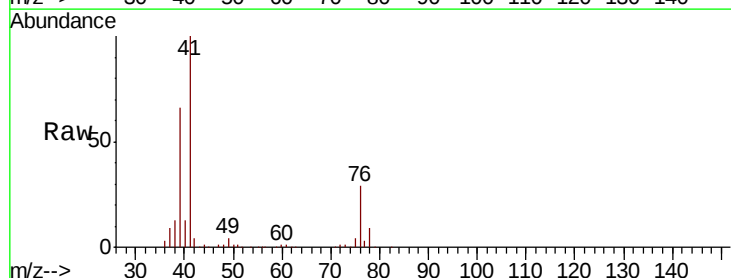
Tgt Ion: 41 Resp: 64946

Ion Ratio Lower Upper

41 100

39 60.8 46.7 70.1

76 26.8 21.8 32.8





#15

Acrylonitrile

Concen: 86.207 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

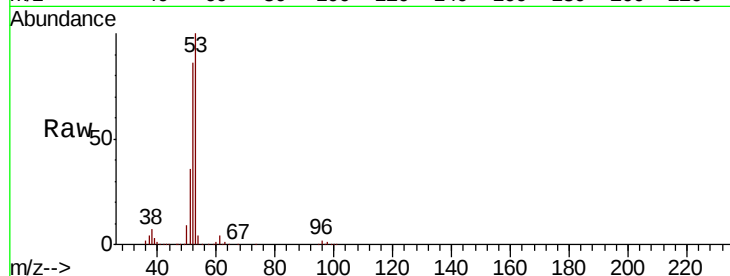
Tot Ion: 53 Resp: 108211

Ion Ratio Lower Upper

53 100

52 85.1 66.9 100.3

51 35.8 28.2 42.2

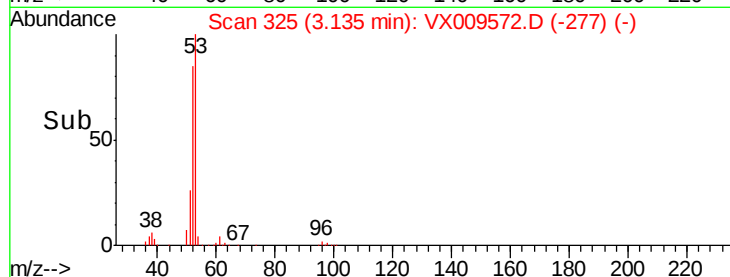


Abundance Ion 53.00 (52.70 to 53.70): VX009203.D (-317) (-)

Ion 52.00 (51.70 to 52.70): VX009203.D (-317) (-)

Ion 51.00 (50.70 to 51.70): VX009203.D (-317) (-)

Time--> 3.00 3.10 3.20 3.30

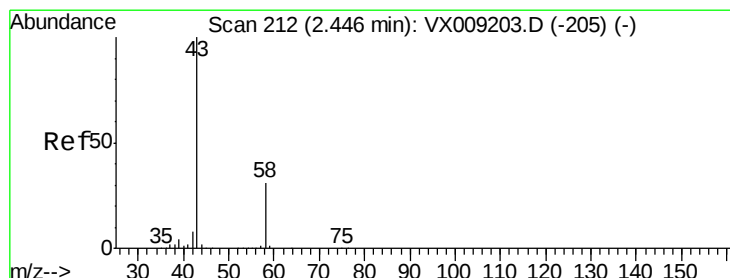


Abundance Ion 53.00 (52.70 to 53.70): VX009572.D (-277) (-)

Ion 52.00 (51.70 to 52.70): VX009572.D (-277) (-)

Ion 51.00 (50.70 to 51.70): VX009572.D (-277) (-)

Time--> 3.00 3.10 3.20 3.30



#16

Acetone

Concen: 86.384 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009572.D

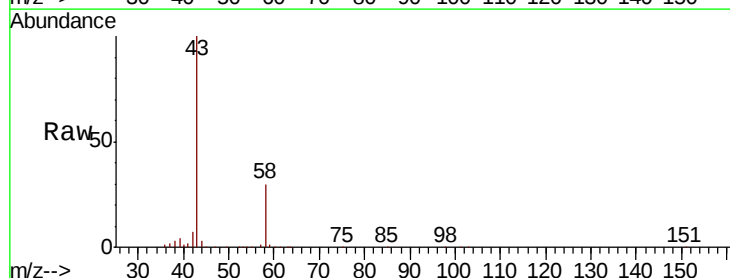
Acq: 15 May 2019 12:07

Tgt Ion: 43 Resp: 102874

Ion Ratio Lower Upper

43 100

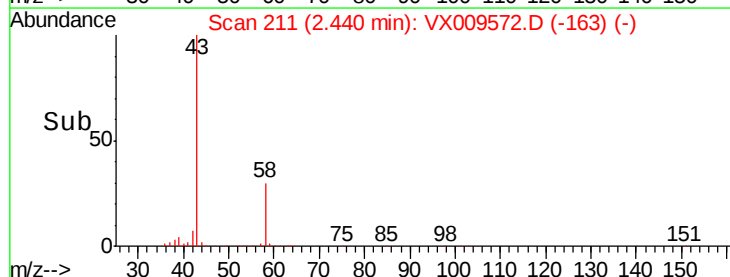
58 29.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX009203.D (-205) (-)

Ion 58.00 (57.70 to 58.70): VX009203.D (-205) (-)

Time--> 2.35 2.40 2.45 2.50 2.55



Abundance Ion 43.00 (42.70 to 43.70): VX009572.D (-163) (-)

Ion 58.00 (57.70 to 58.70): VX009572.D (-163) (-)

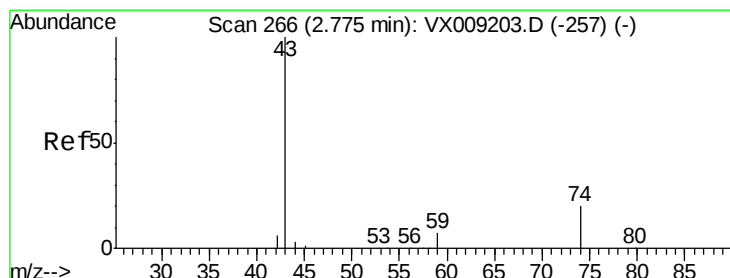
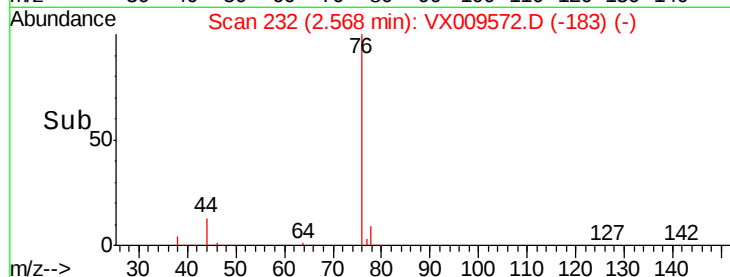
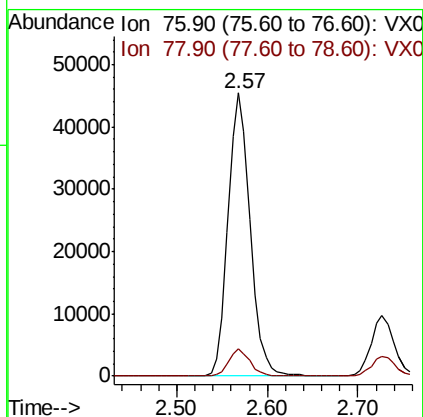
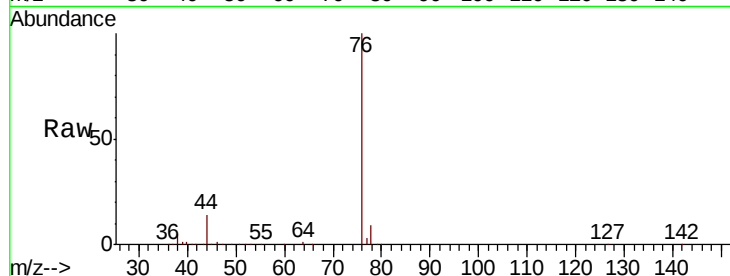
Time--> 2.35 2.40 2.45 2.50 2.55



#17
Carbon Disulfide
Concen: 17.963 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

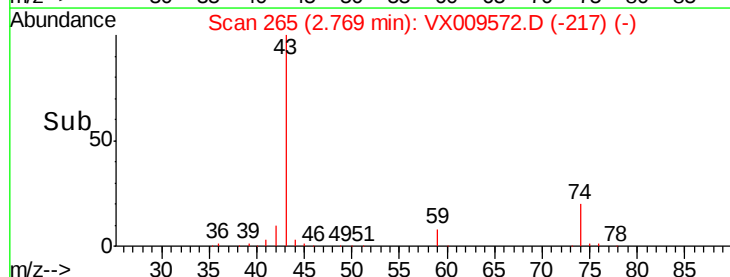
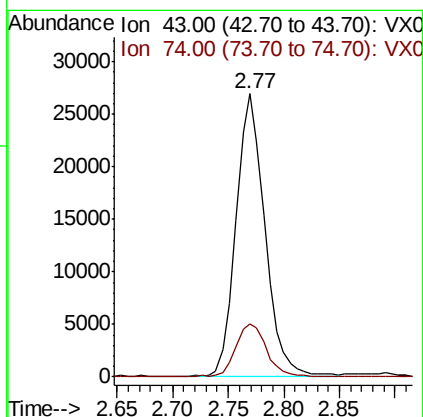
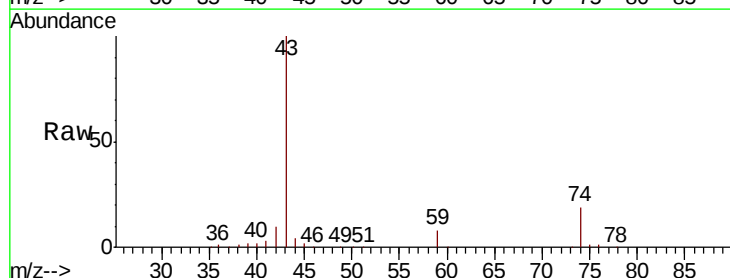
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 76 Resp: 76877
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 16.930 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion: 43 Resp: 47950
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4



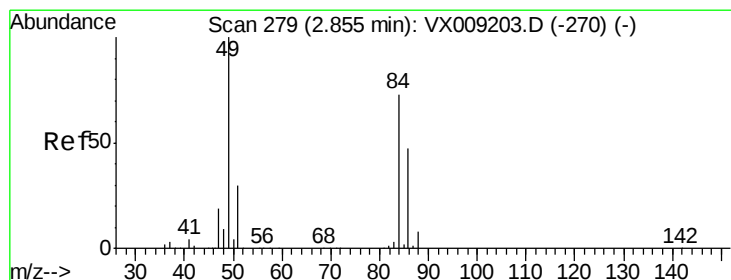
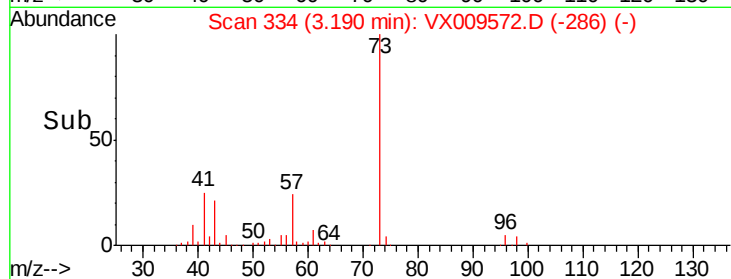
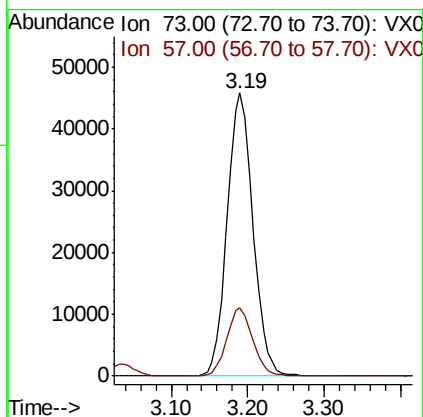
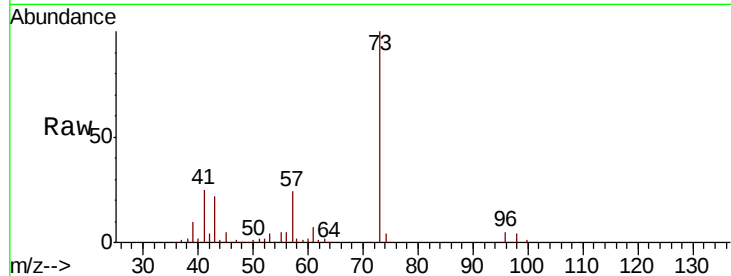


#19

Methyl tert-butyl Ether
 Concen: 18.050 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Instrument :
 MSVOA_X
 ClientSampled :

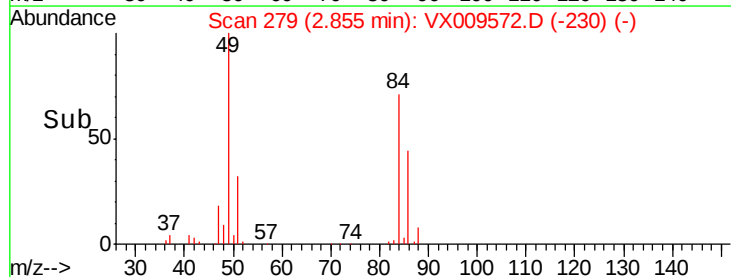
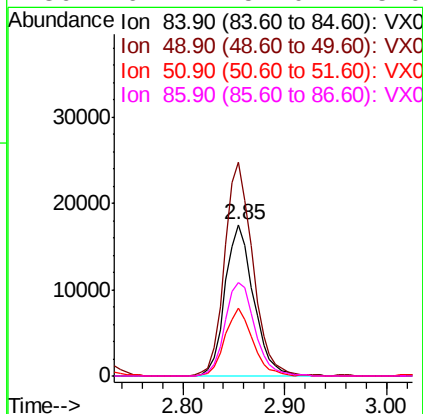
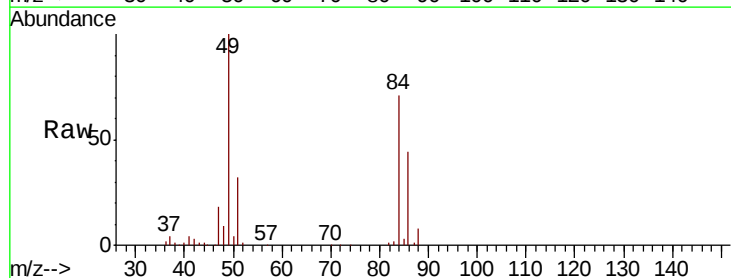
Tot Ion: 73 Resp: 106849
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.3 28.9



#20

Methylene Chloride
 Concen: 17.562 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion: 84 Resp: 33863
 Ion Ratio Lower Upper
 84 100
 49 141.0 109.9 164.9
 51 44.7 32.7 49.1
 86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.283 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :
MSVOA_X
ClientSampled :

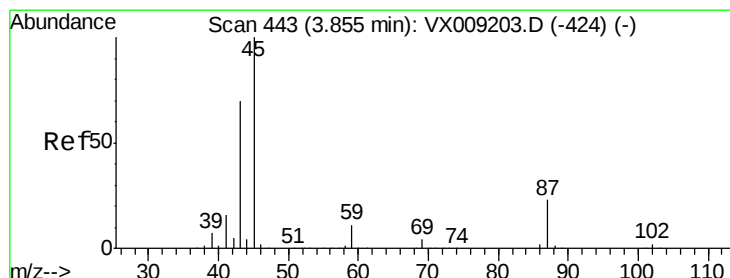
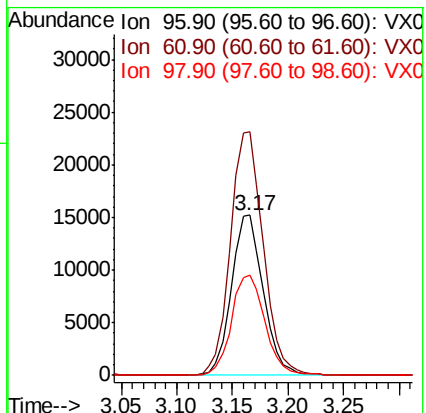
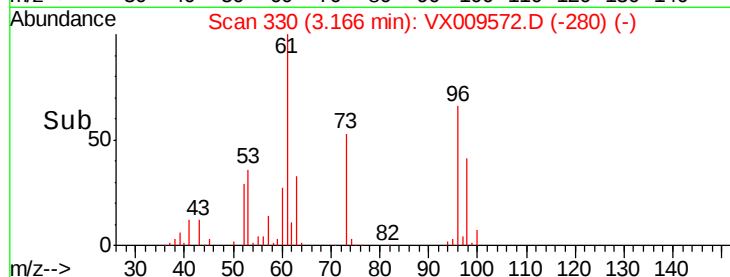
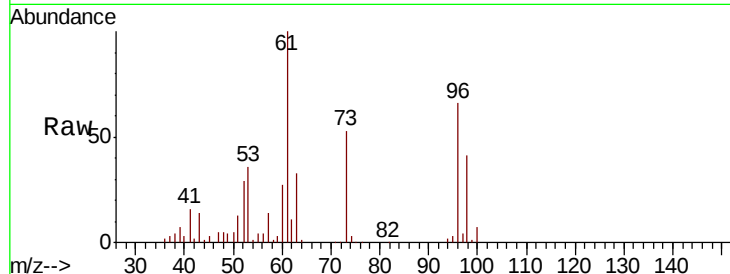
Tot Ion: 96 Resp: 30226

Ion Ratio Lower Upper

96 100

61 151.9 124.5 186.7

98 62.6 50.4 75.6



#22

Diisopropyl ether

Concen: 18.347 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Tgt Ion: 45 Resp: 131074

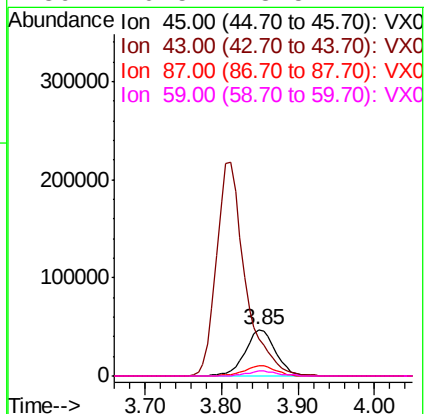
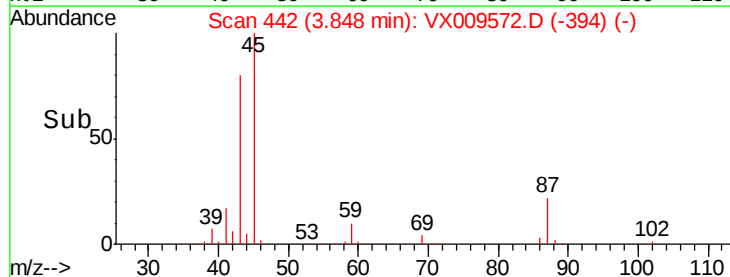
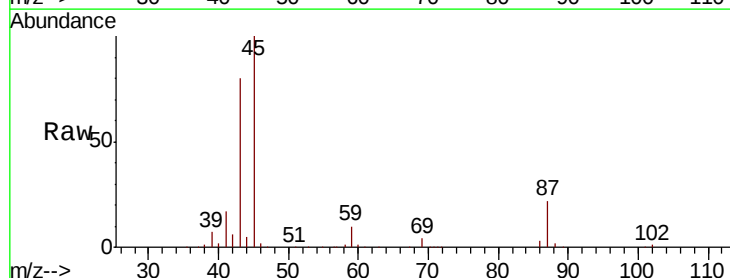
Ion Ratio Lower Upper

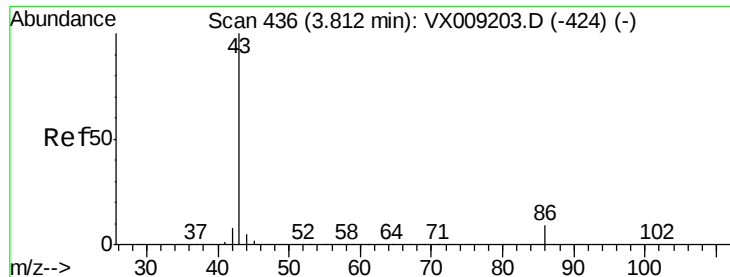
45 100

43 79.6 56.1 84.1

87 22.3 18.1 27.1

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 92.716 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

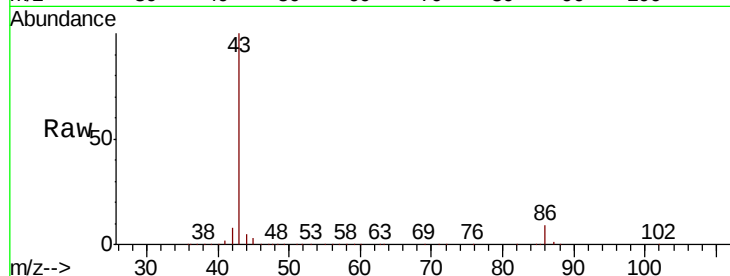
ClientSampleId :

Tot Ion: 43 Resp: 567211

Ion Ratio Lower Upper

43 100

86 8.6 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

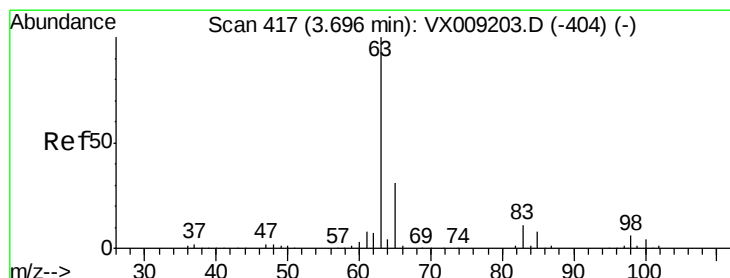
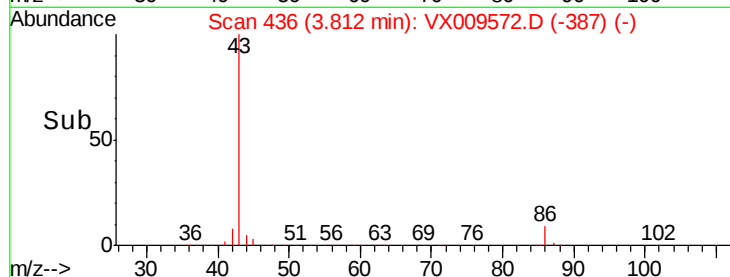
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.140 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

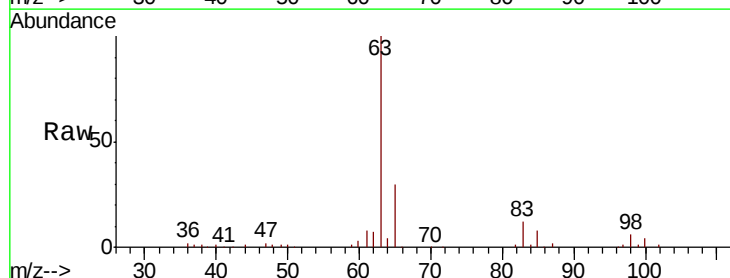
Tgt Ion: 63 Resp: 63931

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.7 2.0 6.0



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

30000

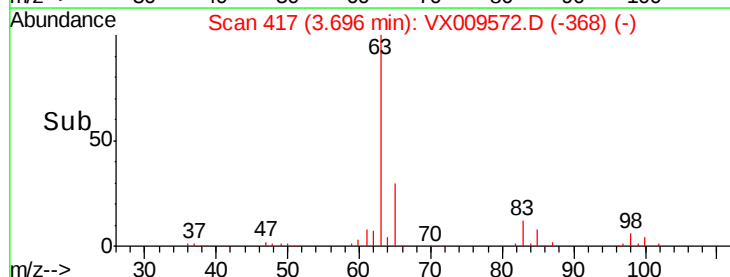
20000

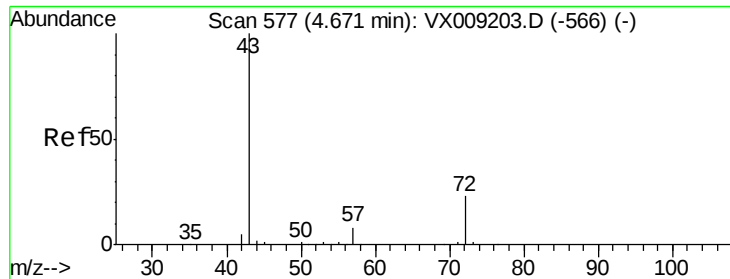
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 86.043 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

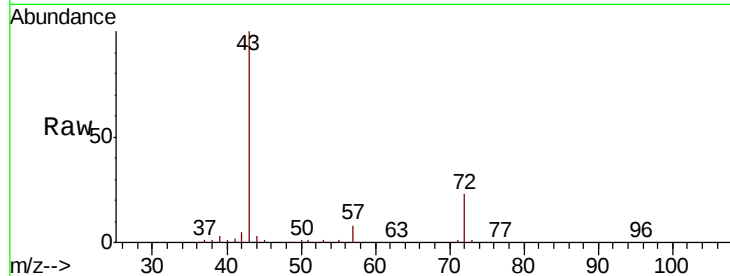
ClientSampled :

Tot Ion: 43 Resp: 159232

Ion Ratio Lower Upper

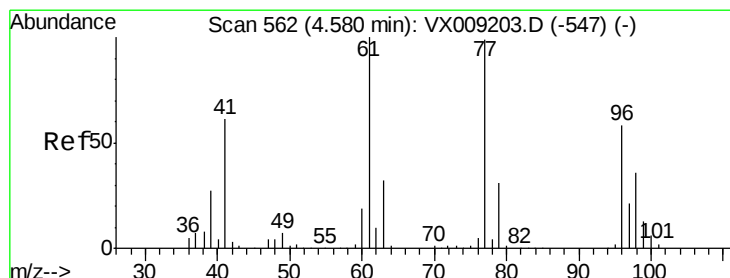
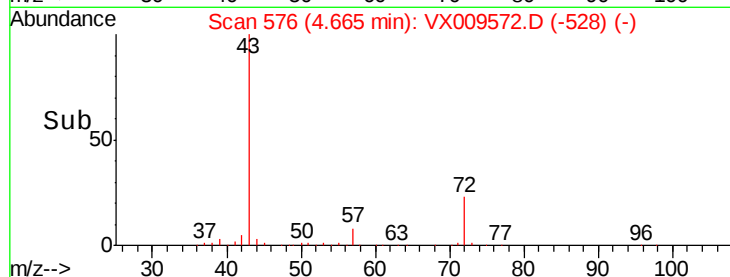
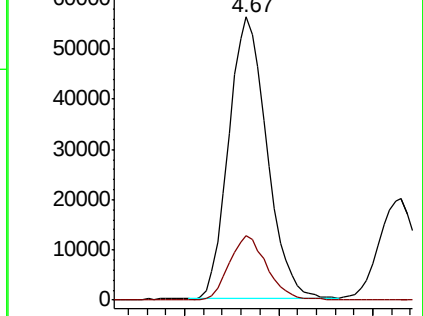
43 100

72 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.073 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009572.D

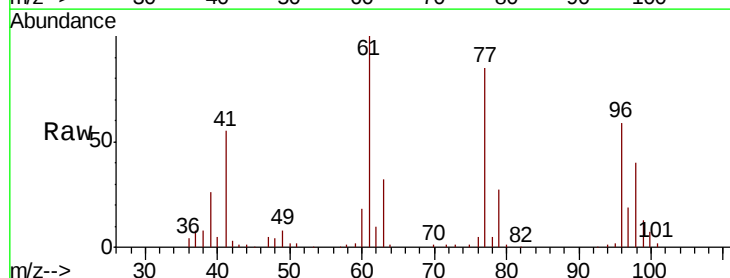
Acq: 15 May 2019 12:07

Tgt Ion: 77 Resp: 47412

Ion Ratio Lower Upper

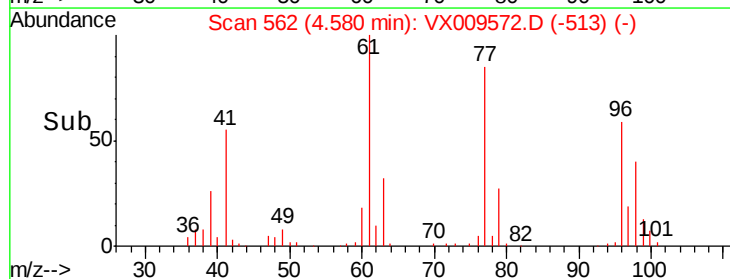
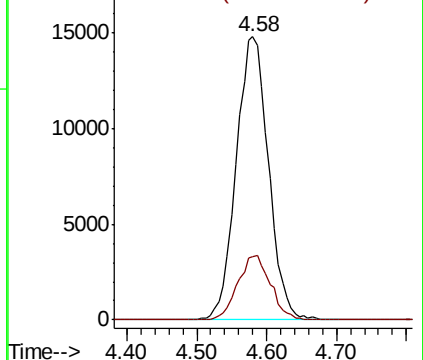
77 100

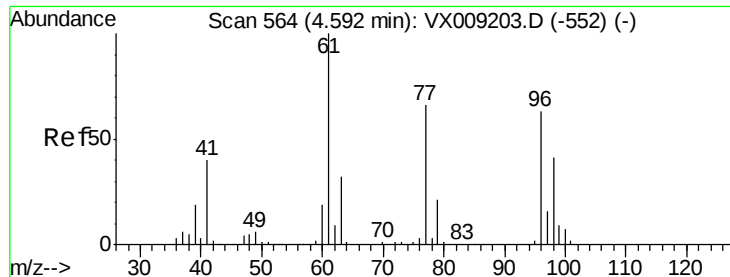
97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



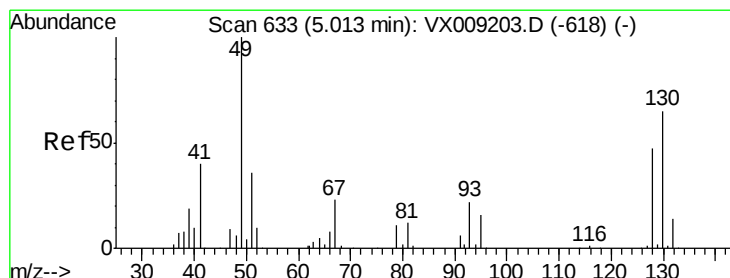
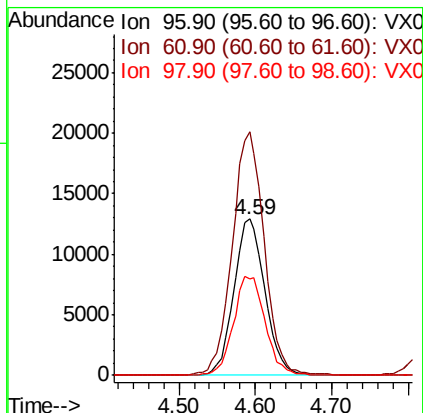
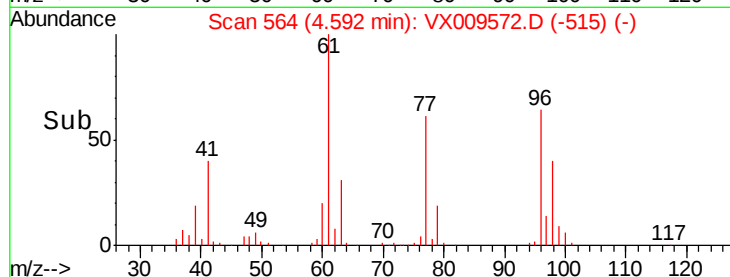
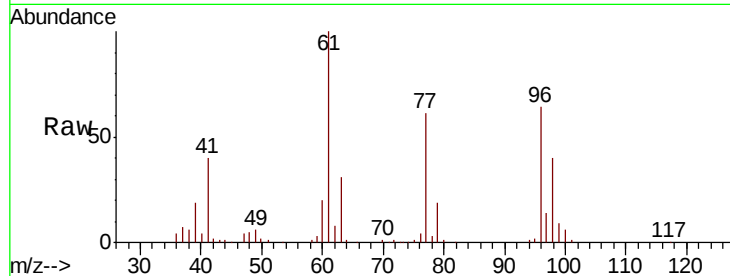


#27

cis-1,2-Dichloroethene
Concen: 18.399 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Instrument :
MSVOA_X
ClientSampled :

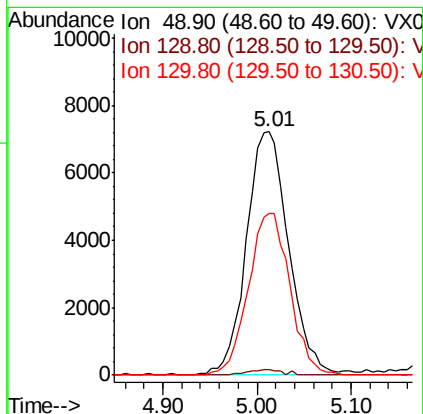
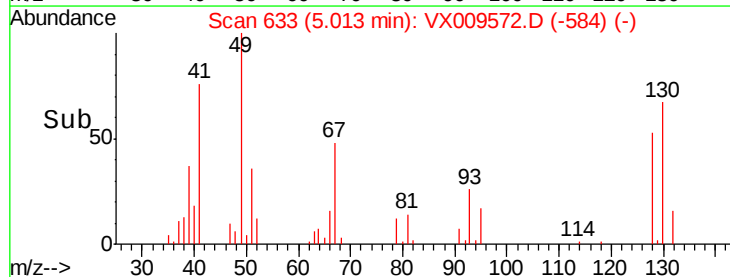
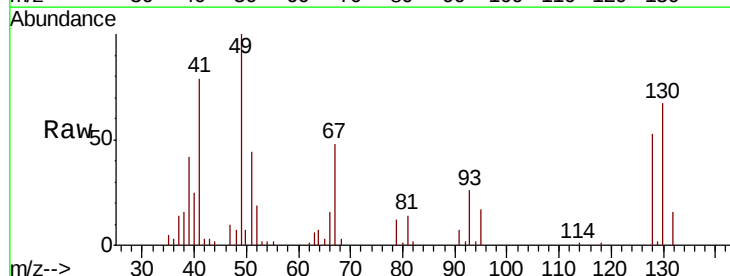
Tot Ion: 96 Resp: 36306
Ion Ratio Lower Upper
96 100
61 160.3 0.0 324.0
98 64.5 0.0 130.4

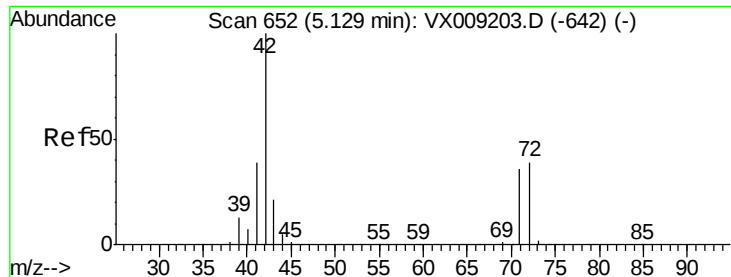


#28

Bromochloromethane
Concen: 14.022 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion: 49 Resp: 22691
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 65.1 51.2 76.8

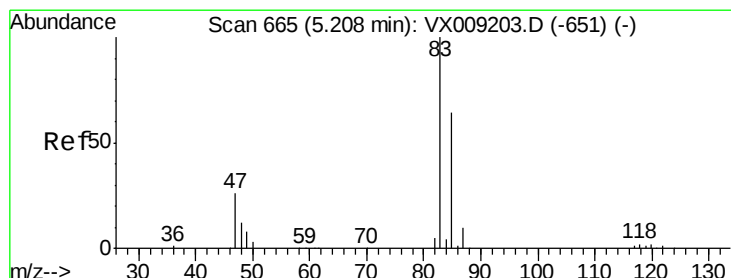
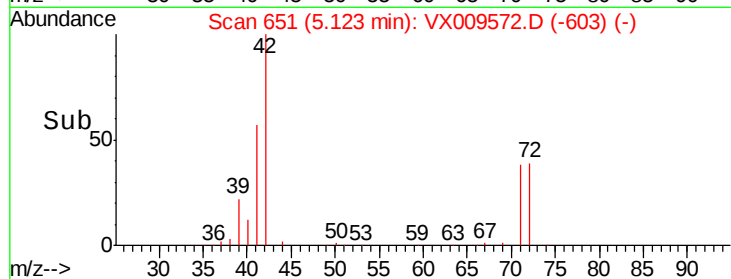
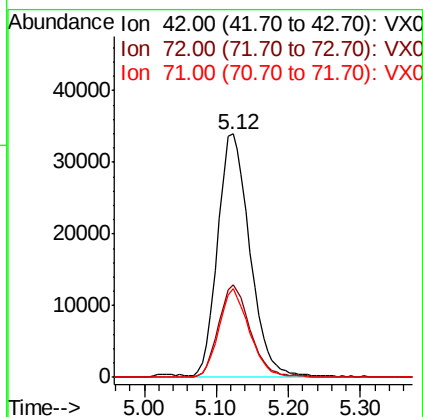
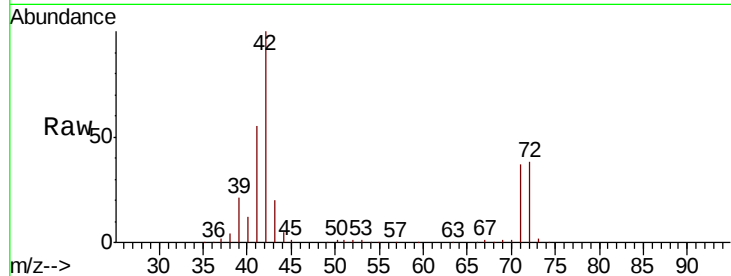




#29
Tetrahydrofuran
Concen: 88.039 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

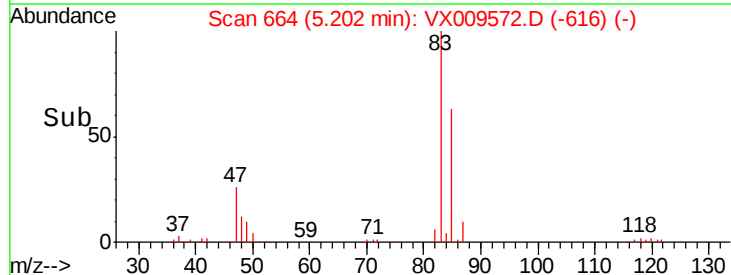
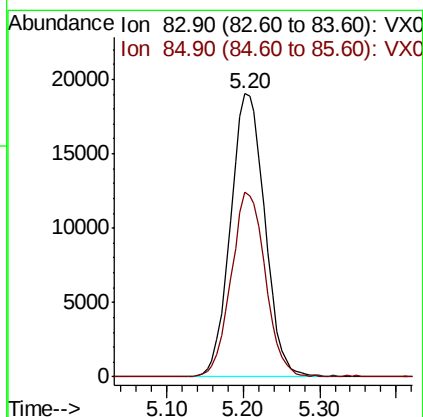
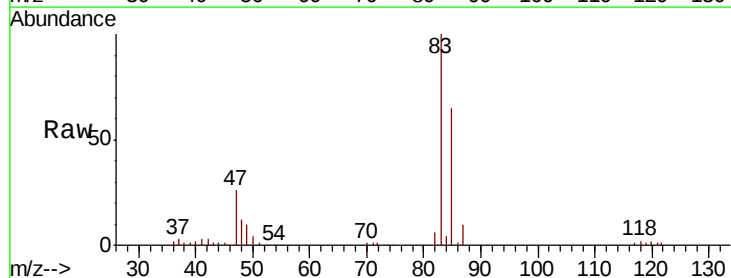
Instrument :
MSVOA_X
ClientSampleId :

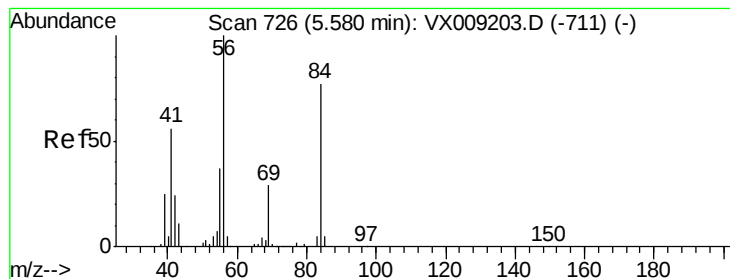
Tot Ion: 42 Resp: 104842
Ion Ratio Lower Upper
42 100
72 37.4 30.4 45.6
71 34.9 28.6 43.0



#30
Chloroform
Concen: 18.551 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion: 83 Resp: 59133
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3





#31

Cyclohexane

Concen: 18.760 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :

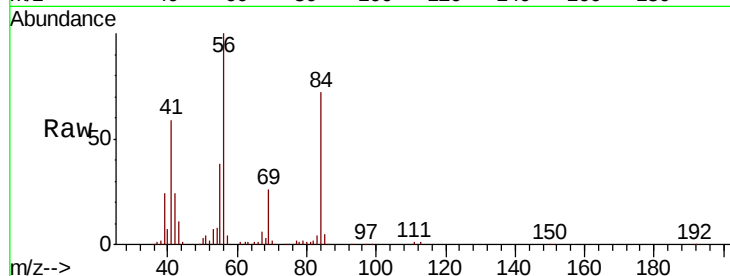
Tot Ion: 56 Resp: 61512

Ion Ratio Lower Upper

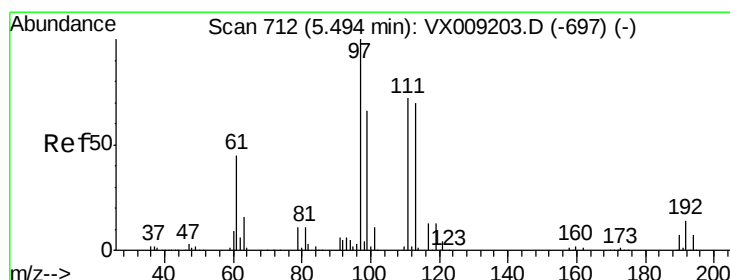
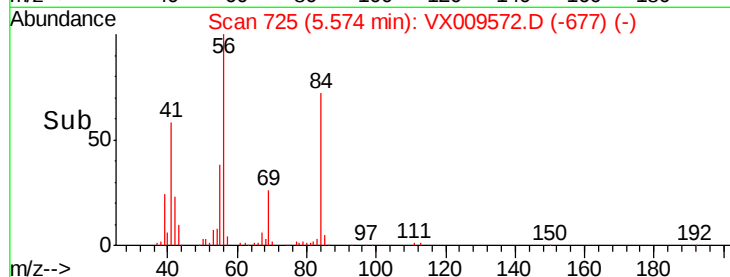
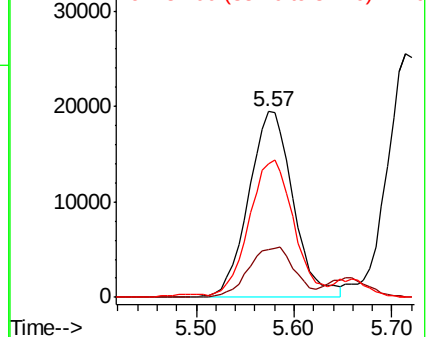
56 100

69 25.8 23.4 35.0

84 70.5 61.9 92.9



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: 18.051 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

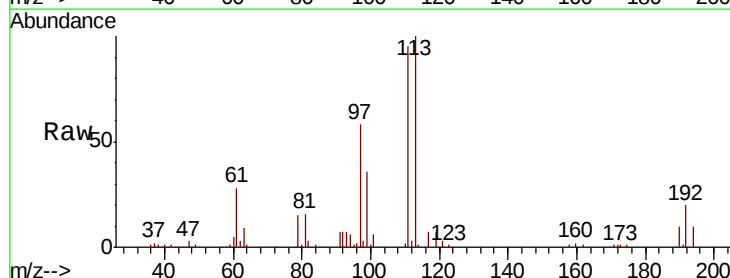
Tgt Ion: 97 Resp: 47898

Ion Ratio Lower Upper

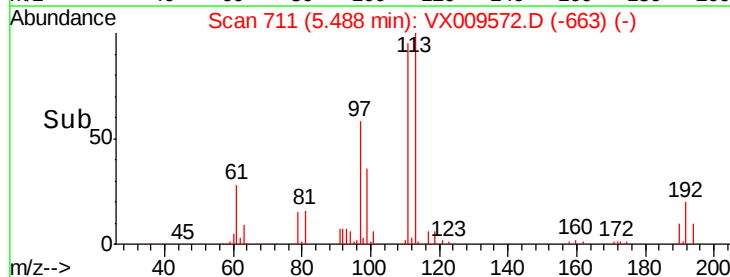
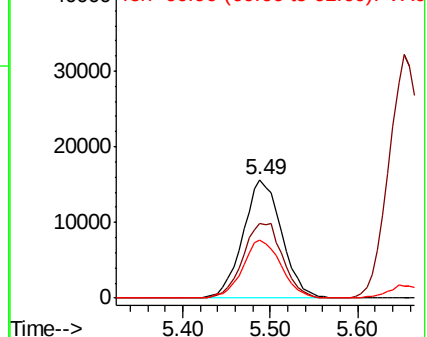
97 100

99 65.1 51.8 77.8

61 49.4 37.8 56.8



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: 45.577 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

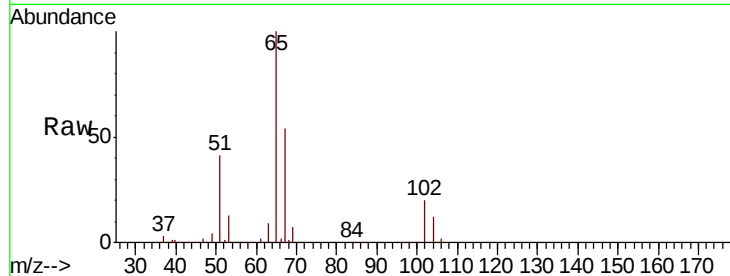
ClientSampleId :

Tot Ion: 65 Resp: 101083

Ion Ratio Lower Upper

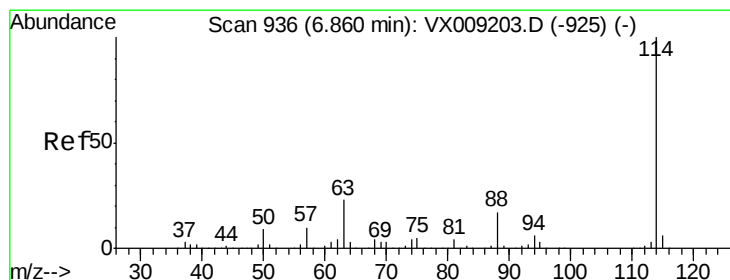
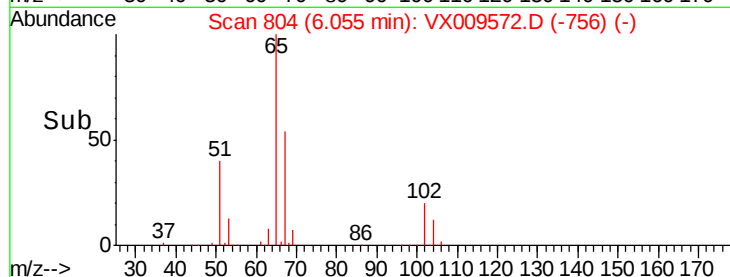
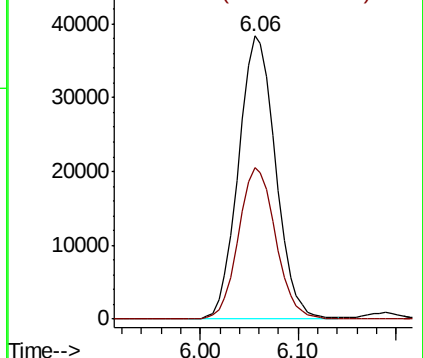
65 100

67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

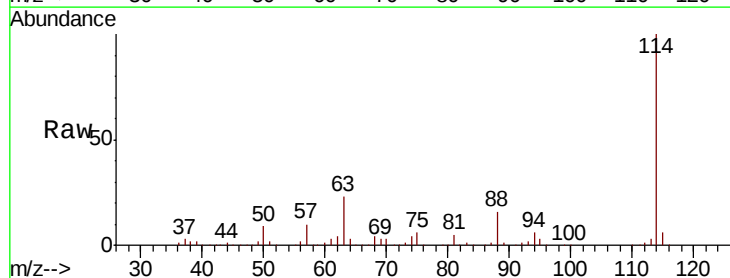
Tgt Ion: 114 Resp: 254397

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

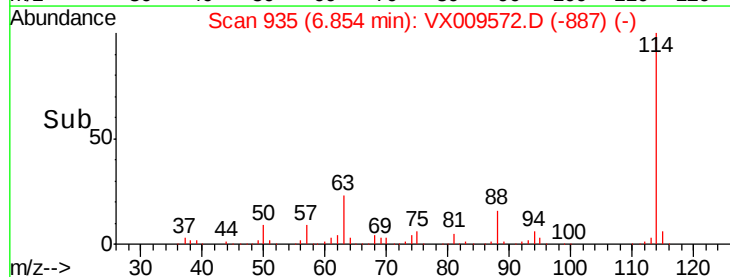
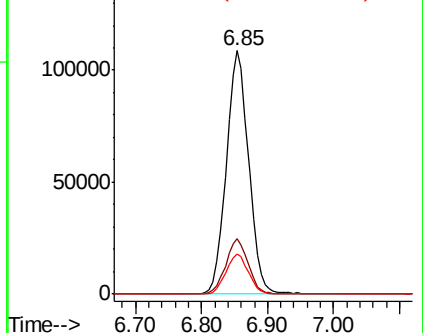
88 16.2 0.0 33.2

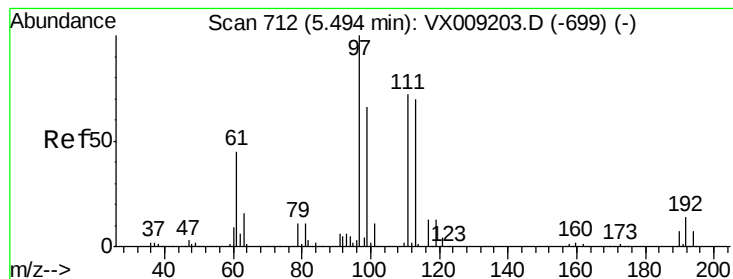


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.761 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

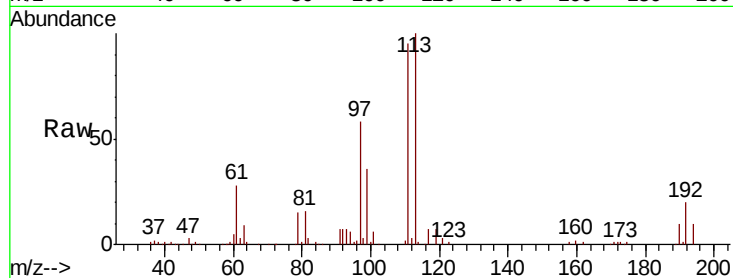
Tot Ion:113 Resp: 76382

Ion Ratio Lower Upper

113 100

111 101.4 82.8 124.2

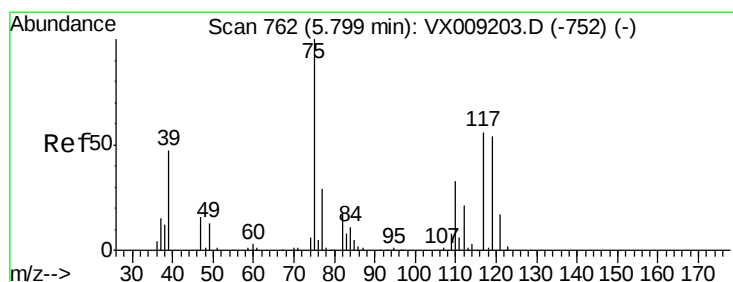
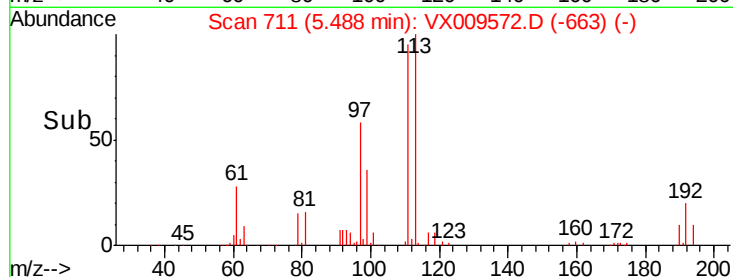
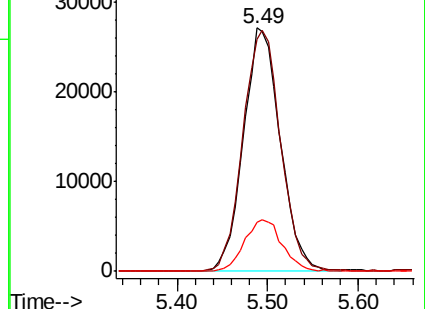
192 21.7 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.083 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

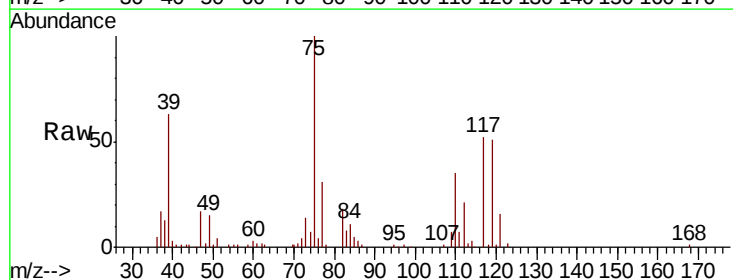
Tgt Ion: 75 Resp: 45115

Ion Ratio Lower Upper

75 100

110 34.5 16.9 50.6

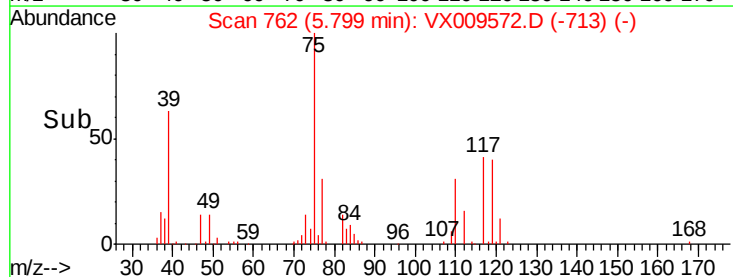
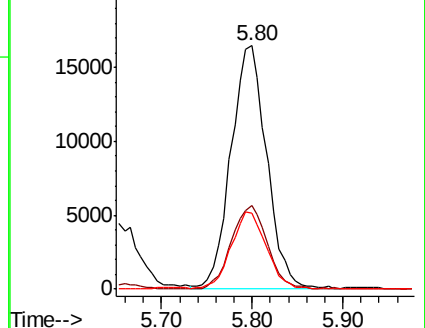
77 31.5 24.8 37.2

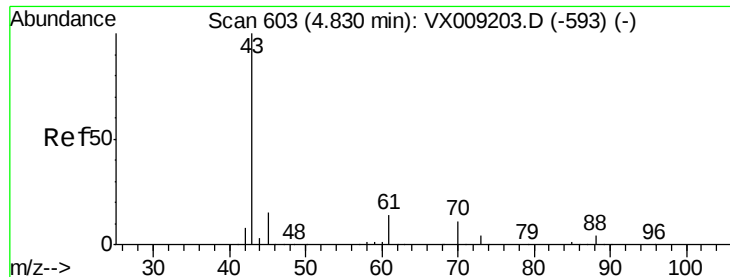


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 17.770 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

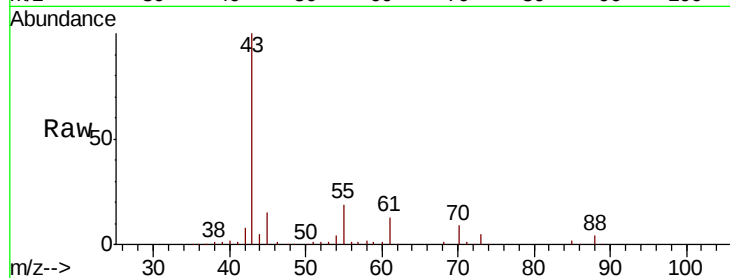
Tot Ion: 43 Resp: 58532

Ion Ratio Lower Upper

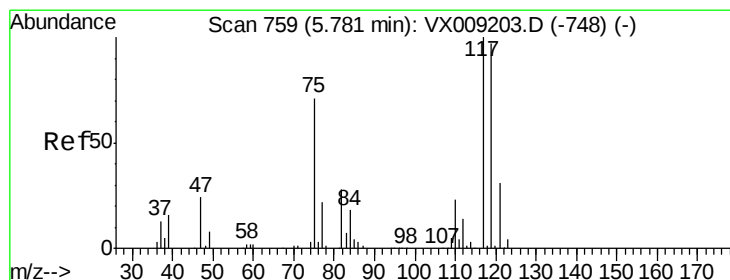
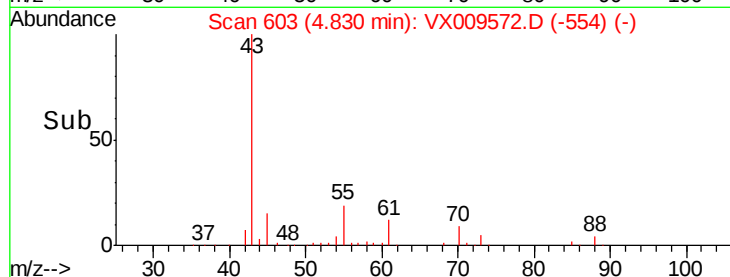
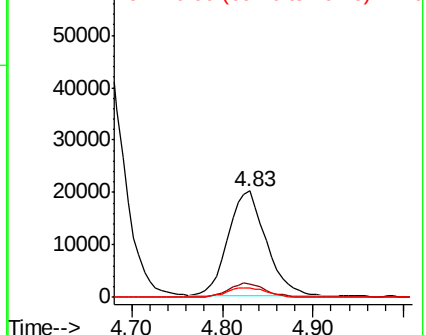
43 100

61 13.6 10.5 15.7

70 9.9 7.9 11.9



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: 18.806 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

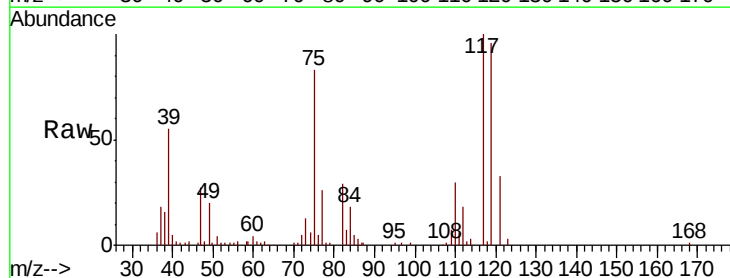
Tgt Ion: 117 Resp: 40395

Ion Ratio Lower Upper

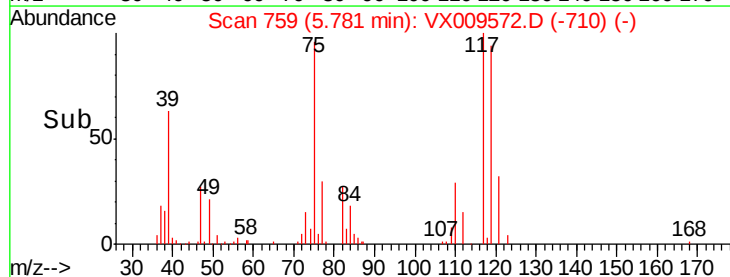
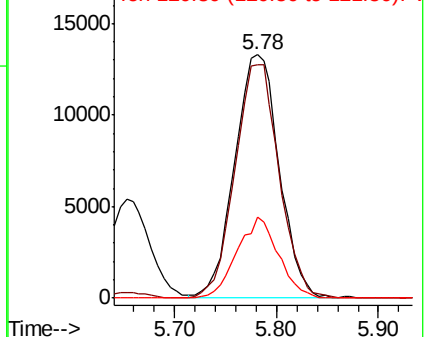
117 100

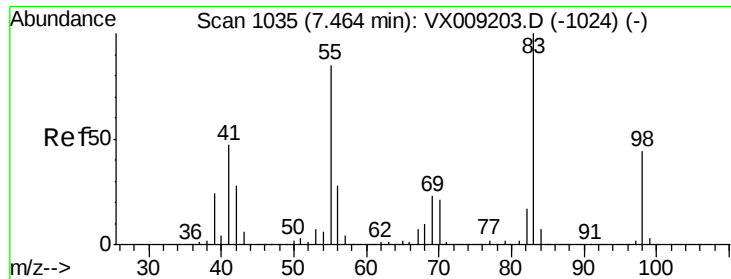
119 95.8 77.5 116.3

121 33.1 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

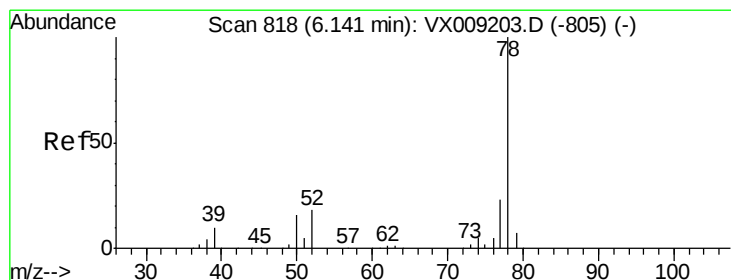
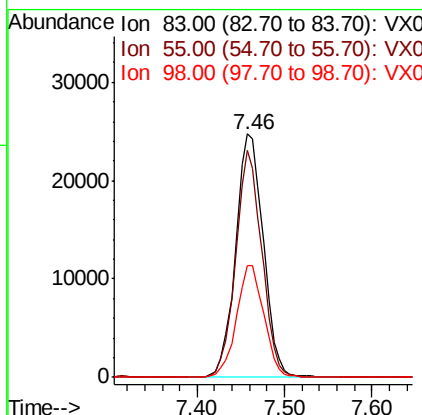
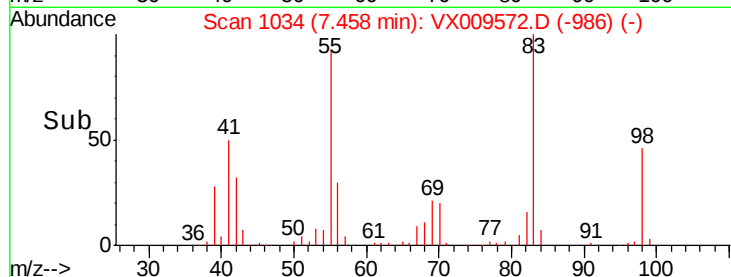
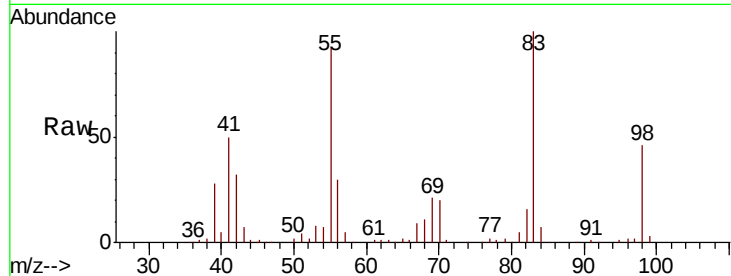




#39
Methvlcvclohexane
Concen: 18.813 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

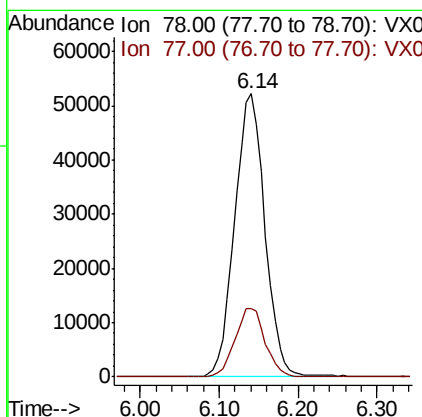
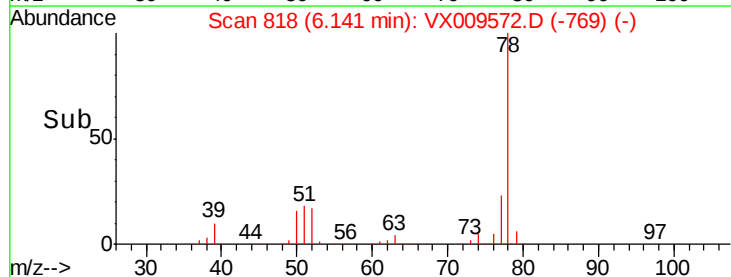
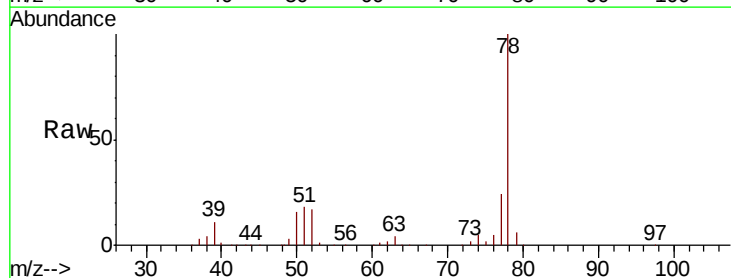
Instrument :
MSVOA_X
ClientSampleId :

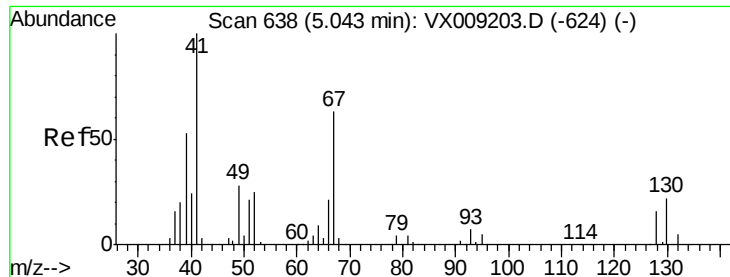
Tot Ion: 83 Resp: 54622
Ion Ratio Lower Upper
83 100
55 93.1 67.7 101.5
98 46.1 35.5 53.3



#40
Benzene
Concen: 19.014 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion: 78 Resp: 139117
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

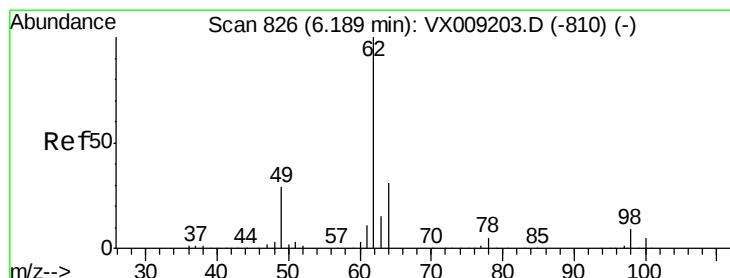
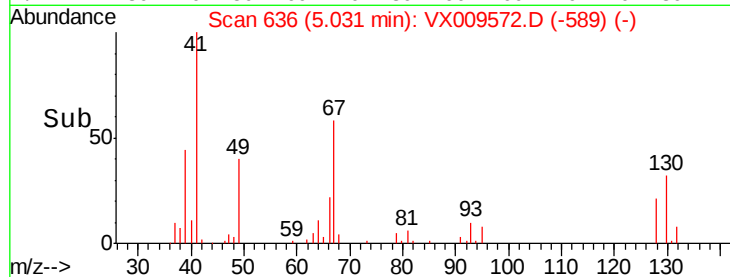
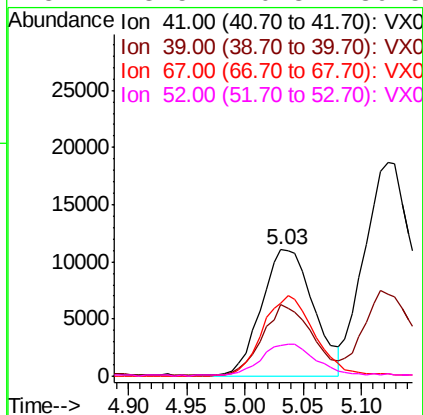
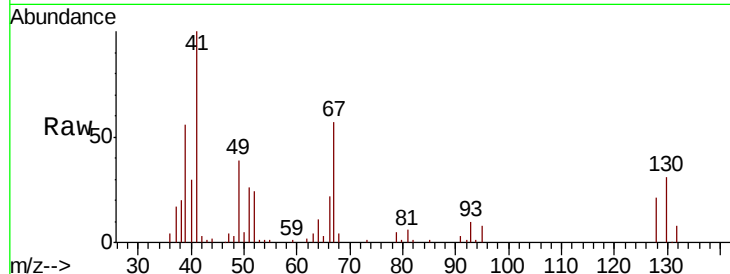




#41
Methacrylonitrile
Concen: 17.458 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.01 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

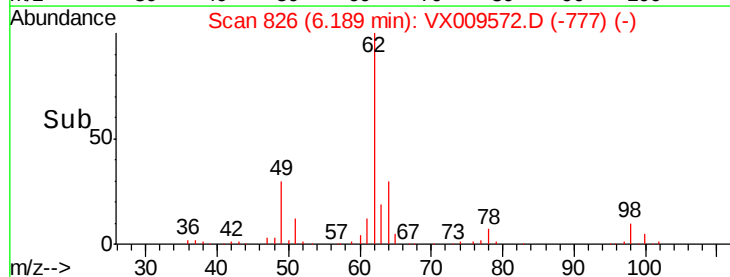
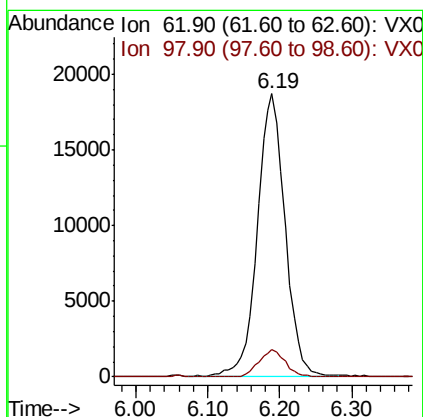
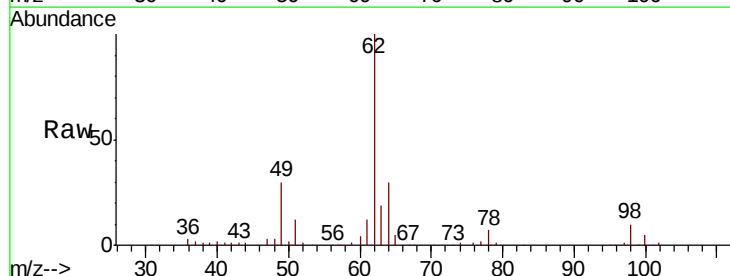
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	34231
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.0	63.0
67	64.0	49.8	74.8
52	28.5	20.3	30.5



#42
1,2-Dichloroethane
Concen: 19.130 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion:	62	Resp:	50208
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



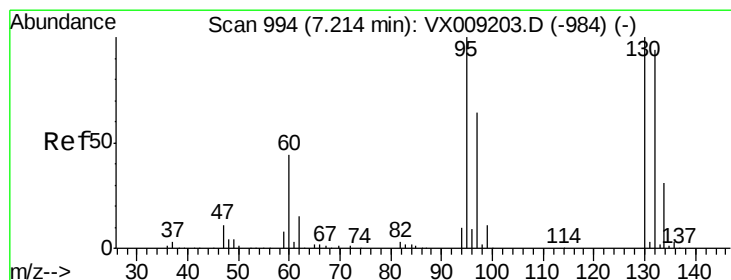
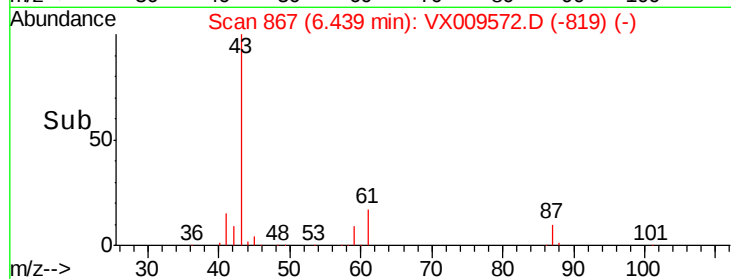
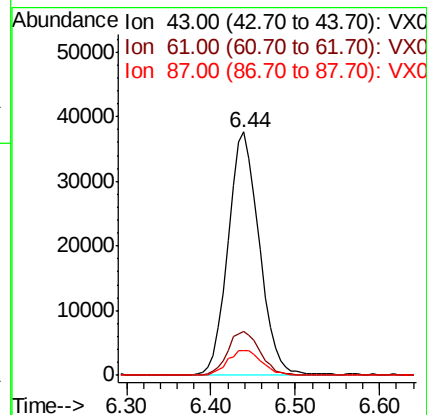
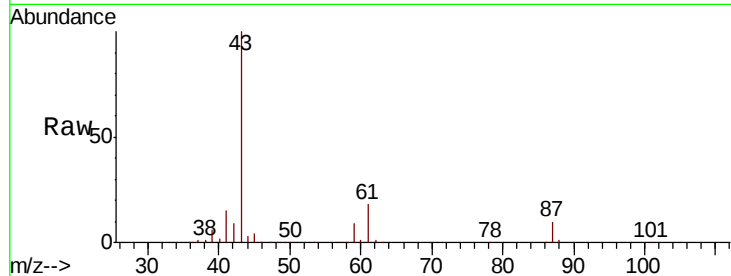


#43

Isopropyl Acetate
 Concen: 17.931 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :

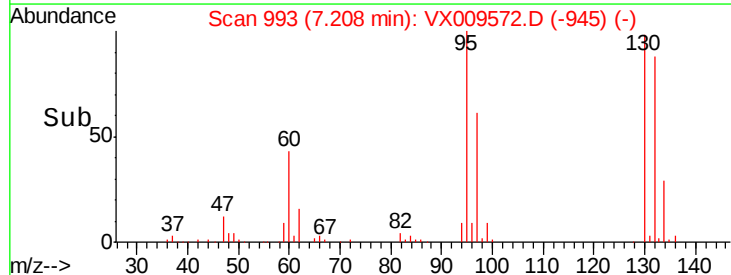
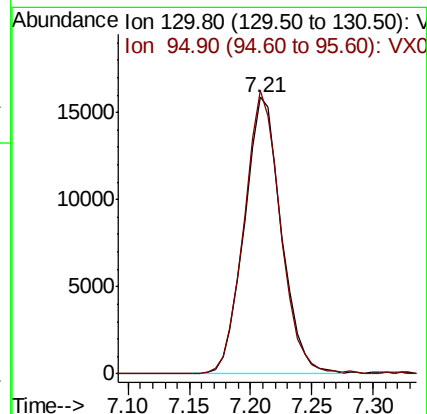
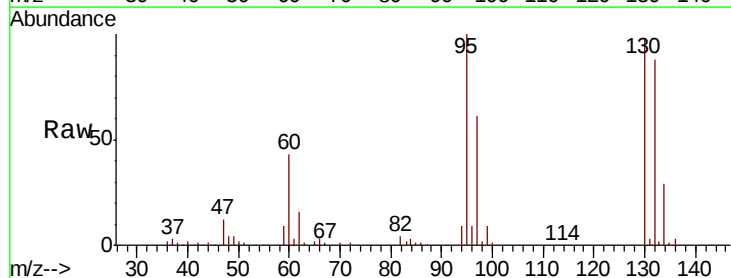
Tot Ion	43	Resp	94477
Ion Ratio	Lower	Upper	
43	100		
61	19.1	15.1	22.7
87	11.4	9.0	13.6

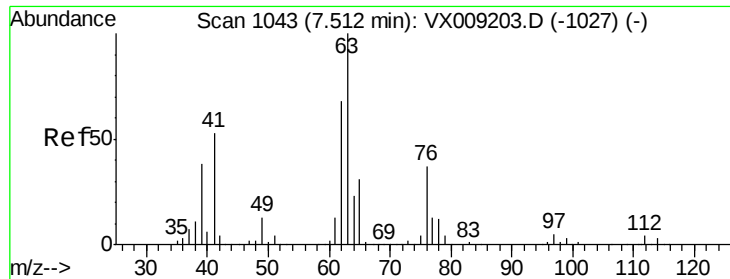


#44

Trichloroethene
 Concen: 18.900 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion	130	Resp	33431
Ion Ratio	Lower	Upper	
130	100		
95	102.3	0.0	199.2

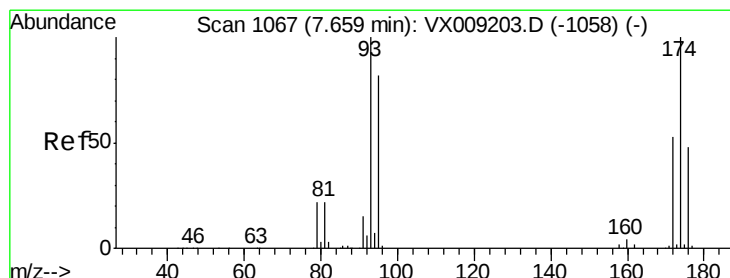
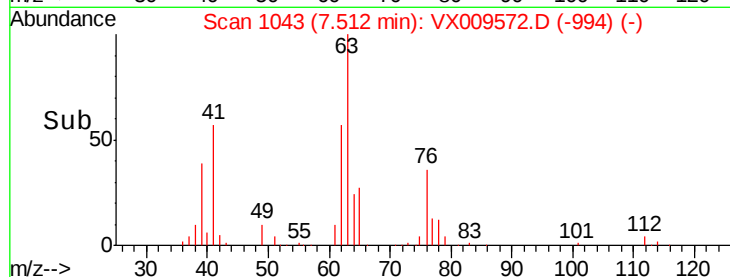
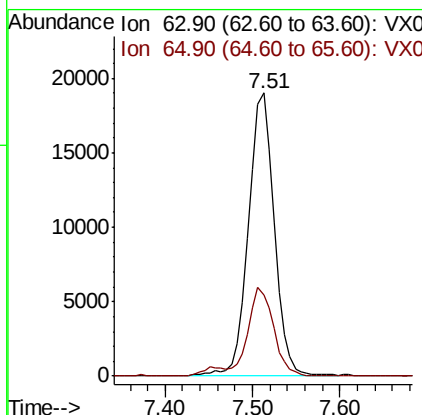
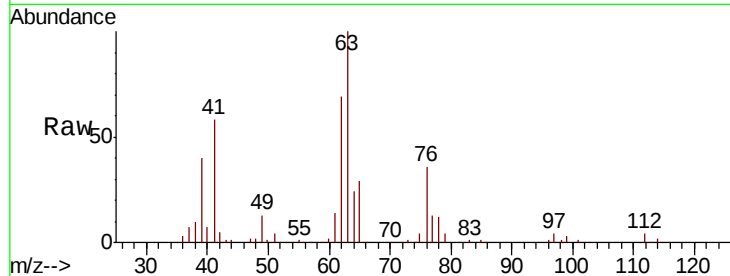




#45
 1,2-Dichloropropane
 Concen: 18.850 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

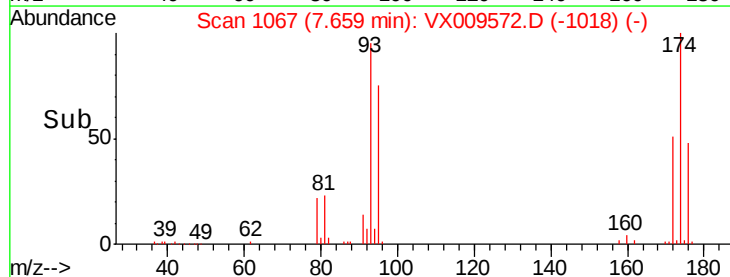
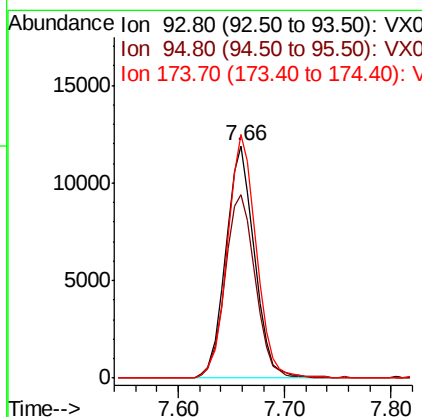
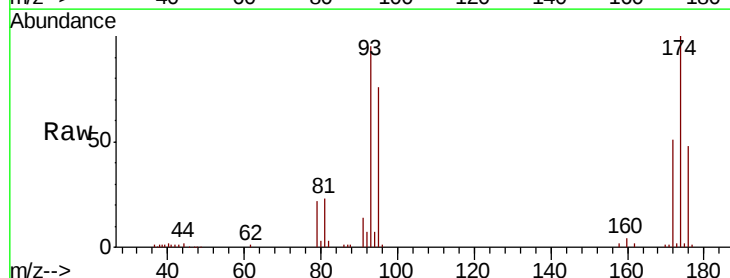
Instrument :
 MSVOA_X
 ClientSampleId :

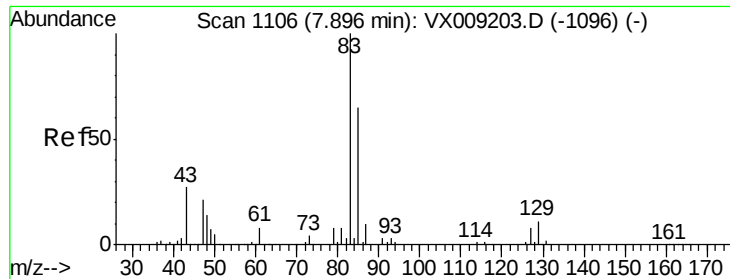
Tot Ion: 63 Resp: 39053
 Ion Ratio Lower Upper
 63 100
 65 28.7 25.0 37.6



#46
 Dibromomethane
 Concen: 18.649 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion: 93 Resp: 22437
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 105.5 82.1 123.1





#47

Bromodichloromethane

Concen: 18.594 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

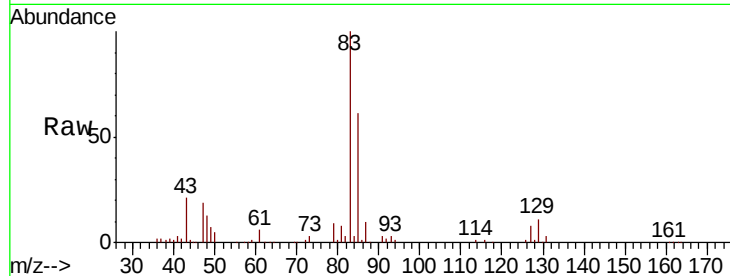
Tot Ion: 83 Resp: 44622

Ion Ratio Lower Upper

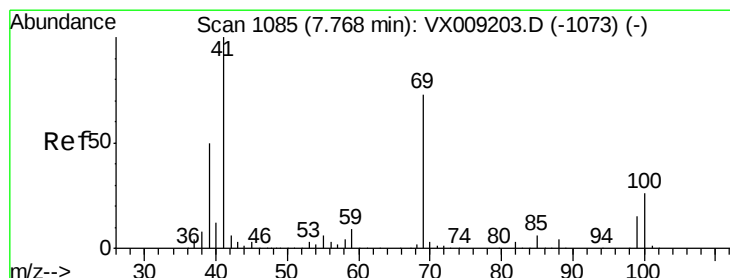
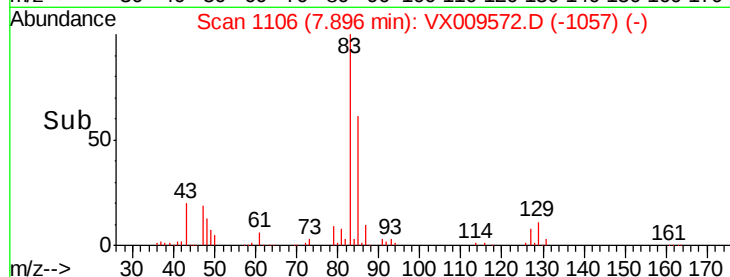
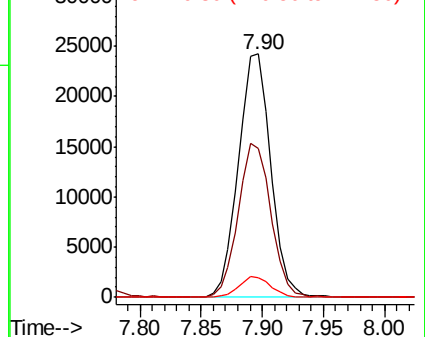
83 100

85 60.9 52.4 78.6

127 8.2 6.6 10.0



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: 18.316 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

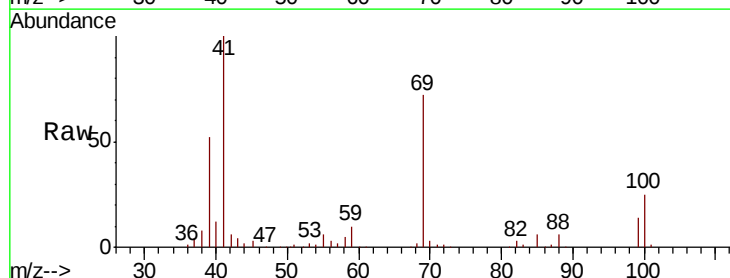
Tgt Ion: 41 Resp: 47879

Ion Ratio Lower Upper

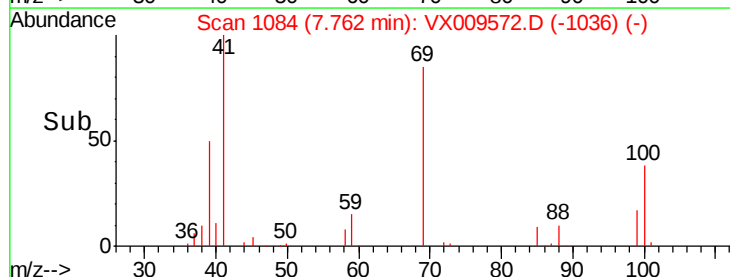
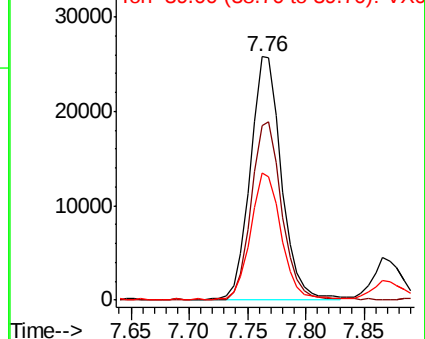
41 100

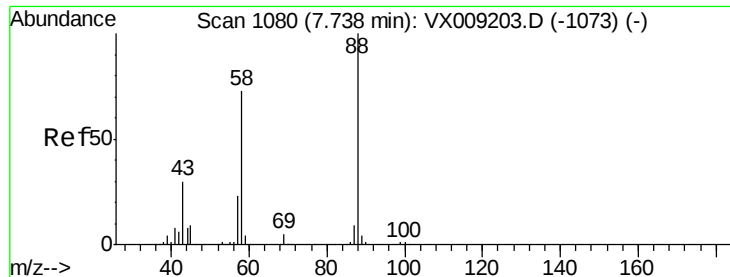
69 72.9 59.1 88.7

39 52.5 40.4 60.6



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

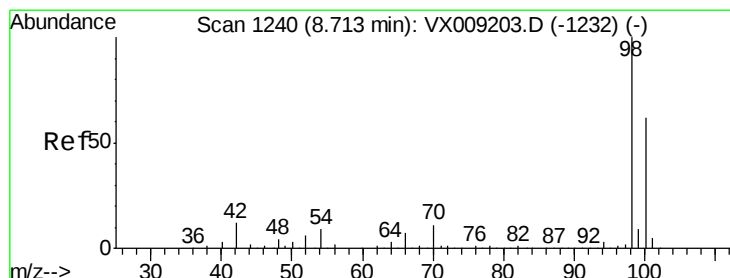
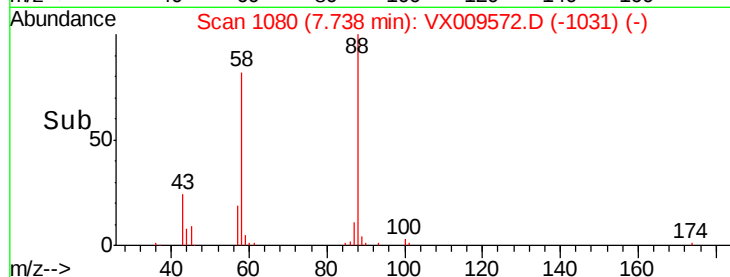
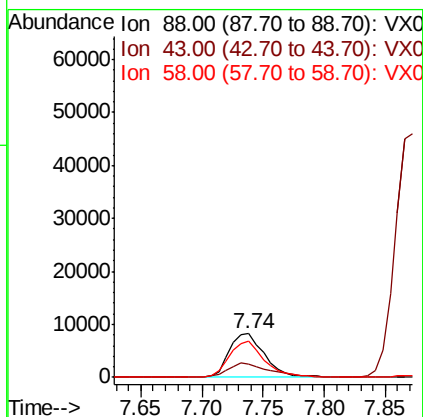
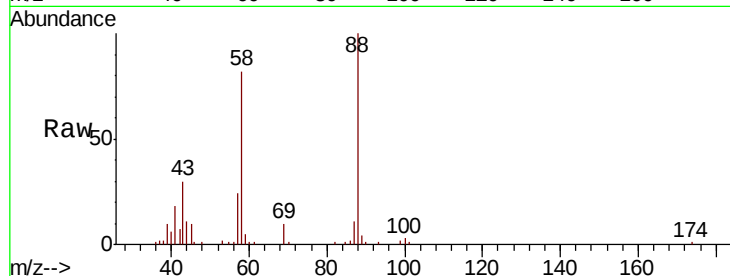




#49
1,4-Dioxane
Concen: 313.553 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

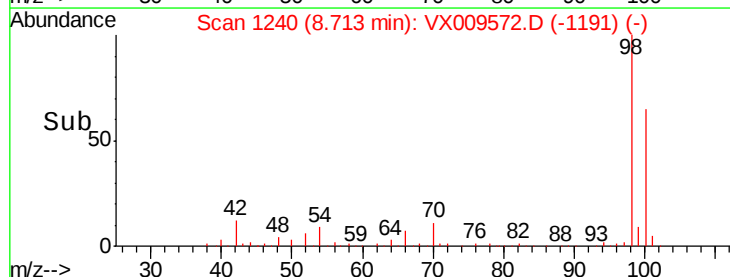
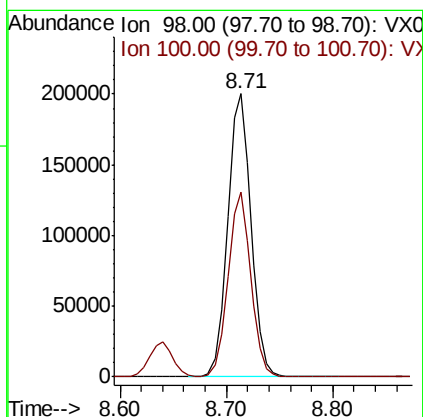
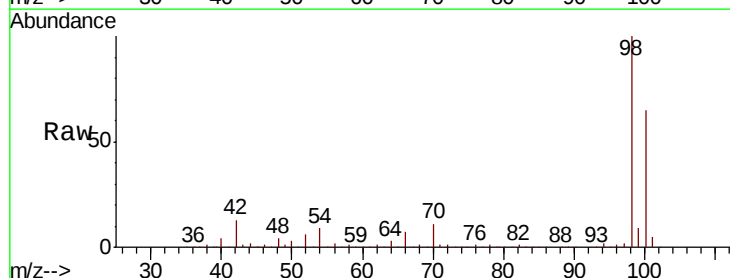
Instrument :
MSVOA_X
ClientSampleId :

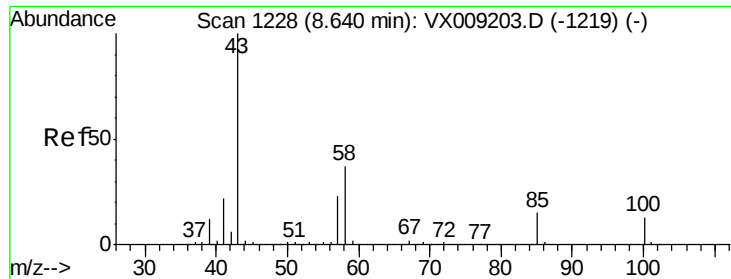
Tot Ion: 88 Resp: 16622
Ion Ratio Lower Upper
88 100
43 38.0 28.6 42.8
58 81.9 61.7 92.5



#50
Toluene-d8
Concen: 47.471 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion: 98 Resp: 306497
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 90.815 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

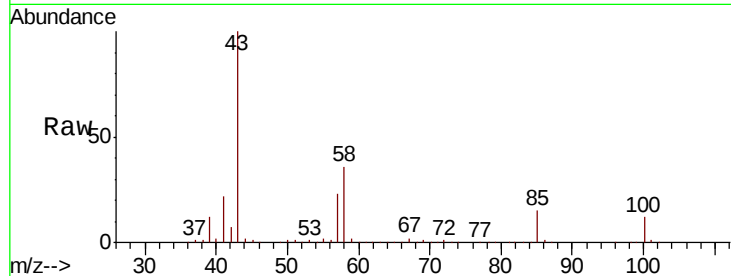
ClientSampleId :

Tot Ion: 43 Resp: 312751

Ion Ratio Lower Upper

43 100

58 36.6 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

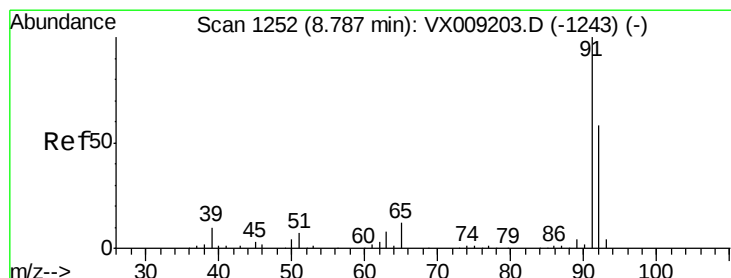
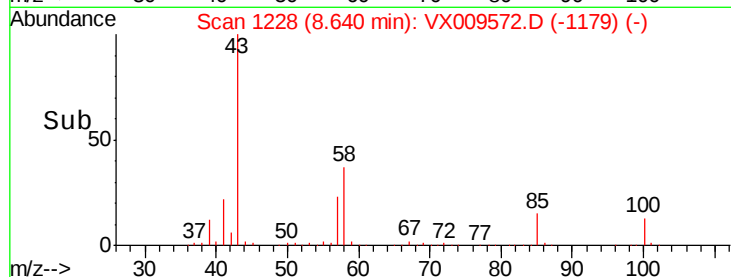
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.088 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009572.D

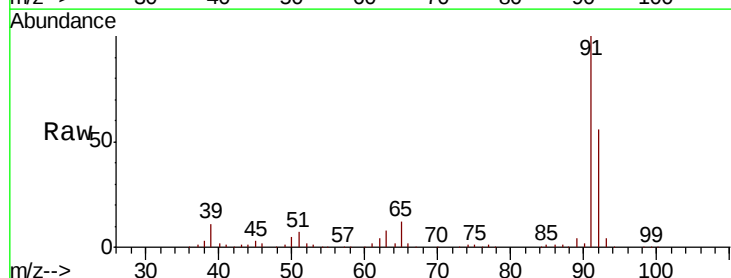
Acq: 15 May 2019 12:07

Tgt Ion: 92 Resp: 84896

Ion Ratio Lower Upper

92 100

91 173.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

100000

80000

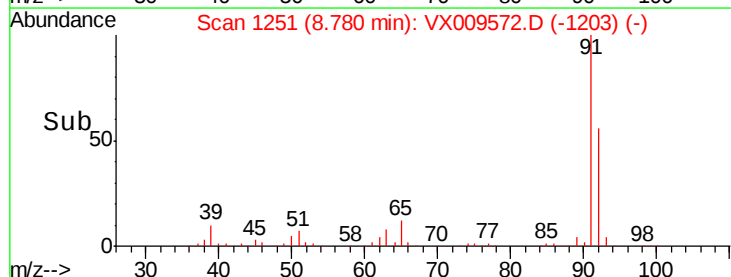
60000

40000

20000

0

Time-->

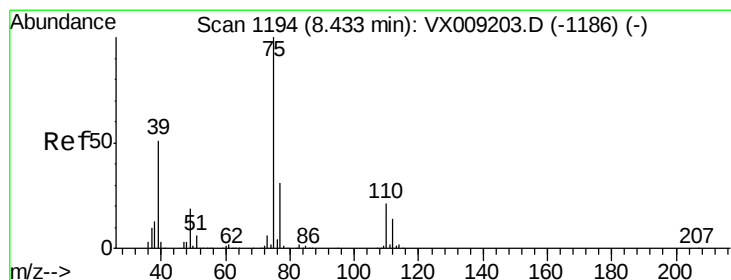
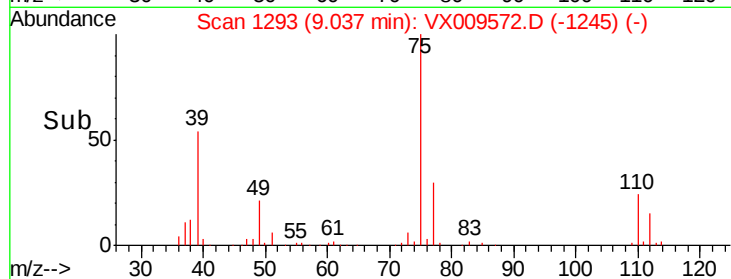
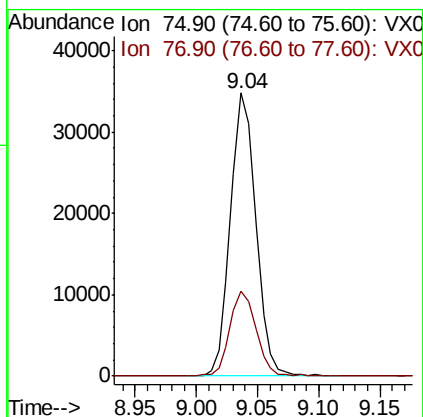
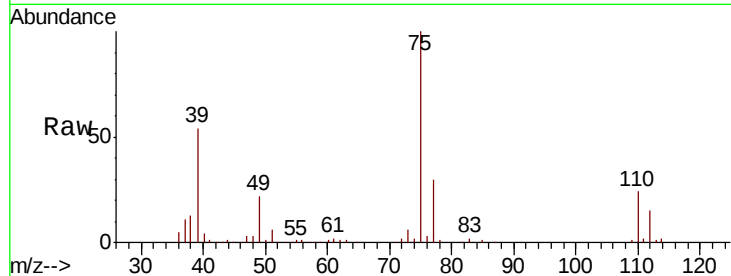




#53
 t-1,3-Dichloropropene
 Concen: 18.528 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

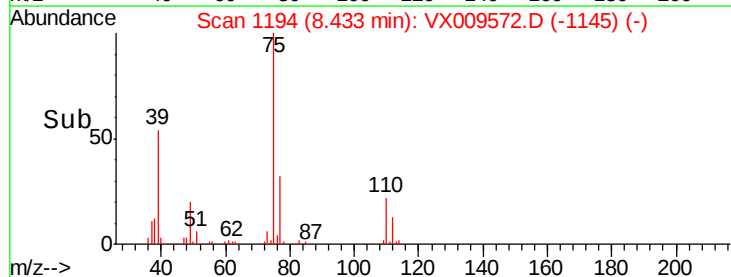
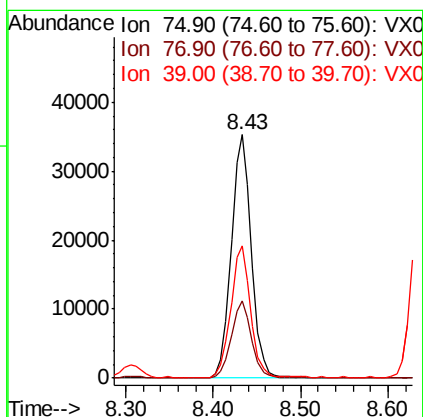
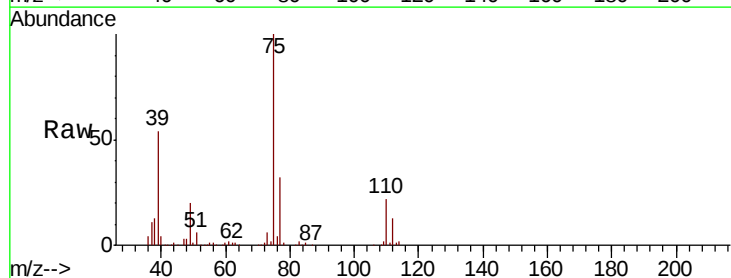
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 50200
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 18.816 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion: 75 Resp: 56428
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 36.8
 39 54.1 40.6 60.8

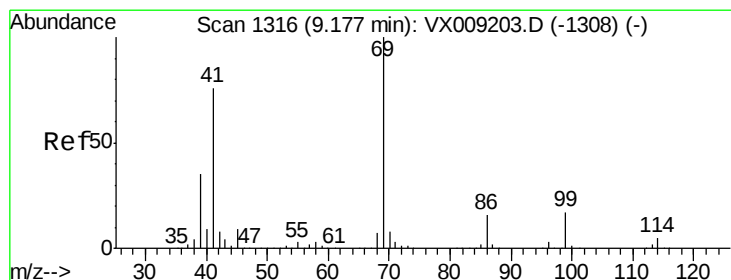
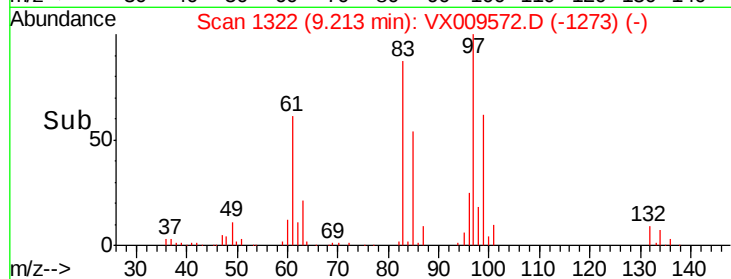
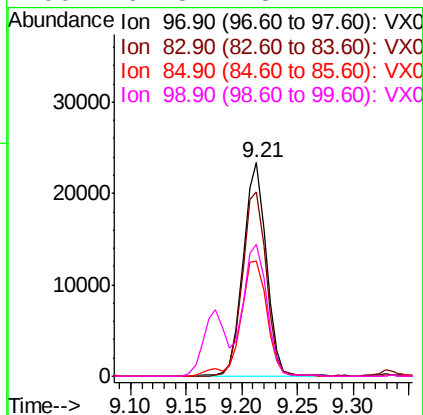
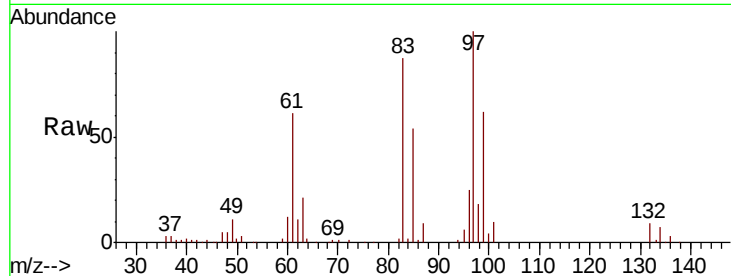




#55
 1,1,2-Trichloroethane
 Concen: 18.715 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

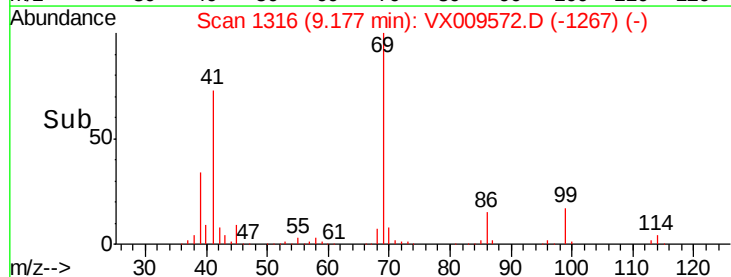
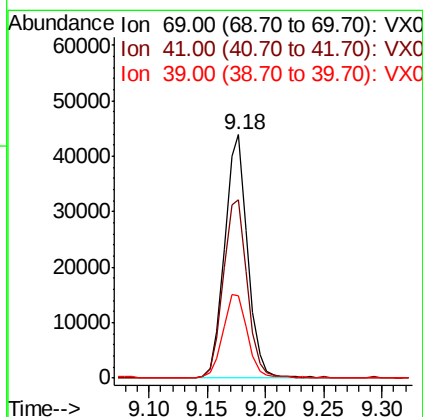
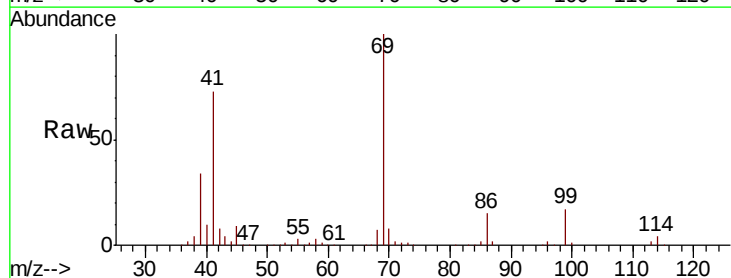
Instrument :
 MSVOA_X
 ClientSampleId :

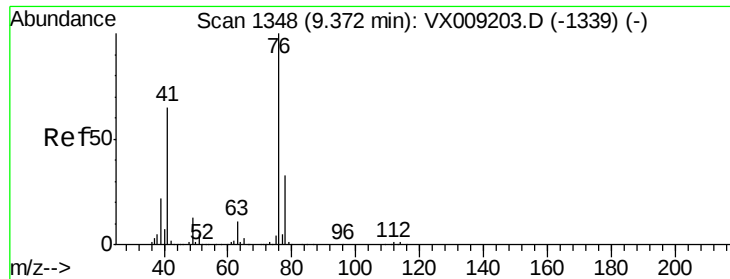
Tot Ion:	97	Resp:	33958
Ion	Ratio	Lower	Upper
97	100		
83	86.5	68.9	103.3
85	54.1	43.8	65.6
99	61.3	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 18.459 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion:	69	Resp:	59789
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.6	90.8
39	36.1	28.2	42.4

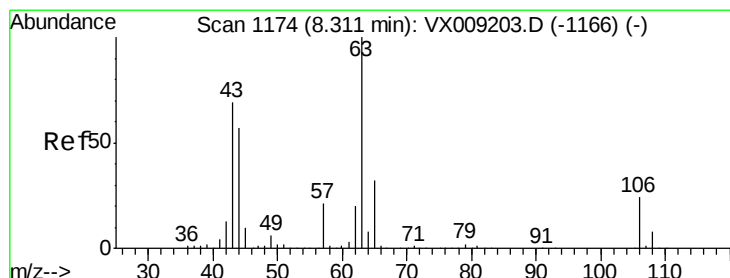
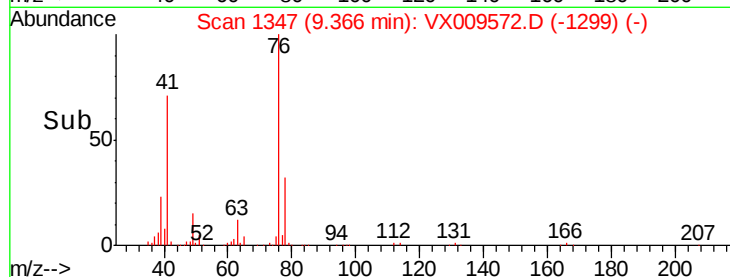
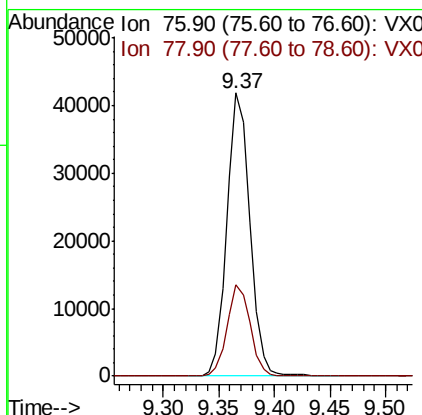
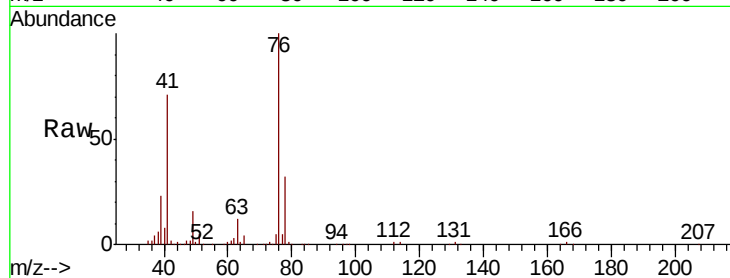




#57
 1,3-Dichloropropane
 Concen: 18.752 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

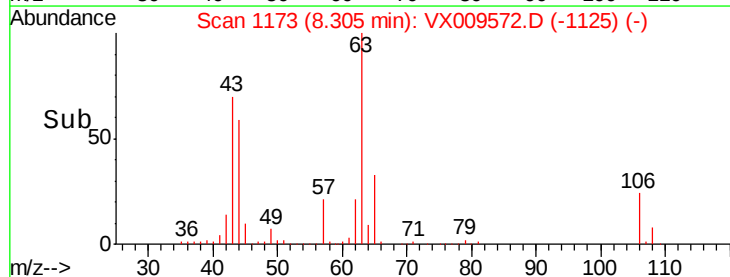
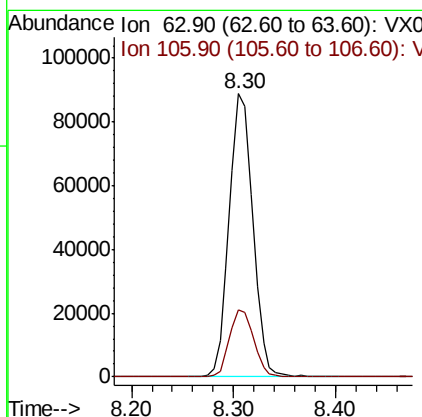
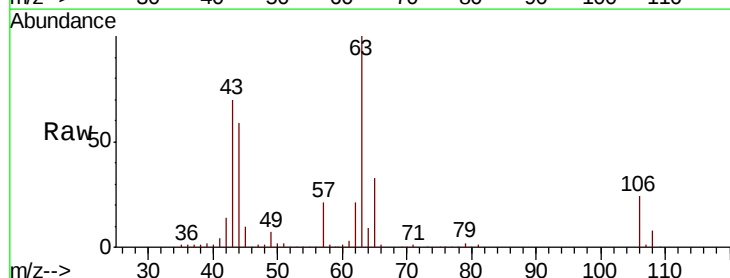
Instrument :
 MSVOA_X
 ClientSampleId :

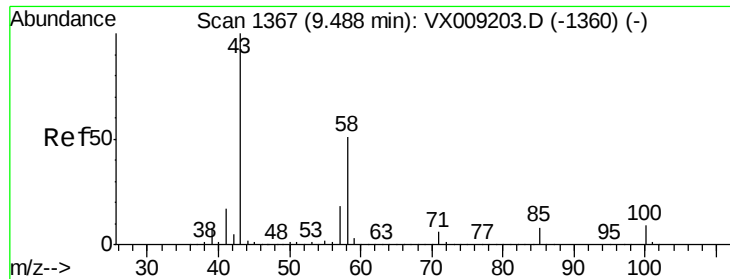
Tot Ion: 76 Resp: 59876
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.074 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion: 63 Resp: 142742
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5

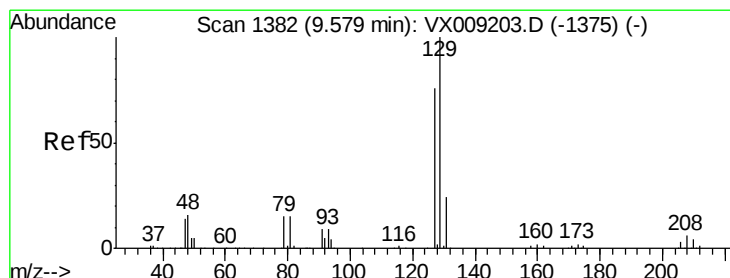
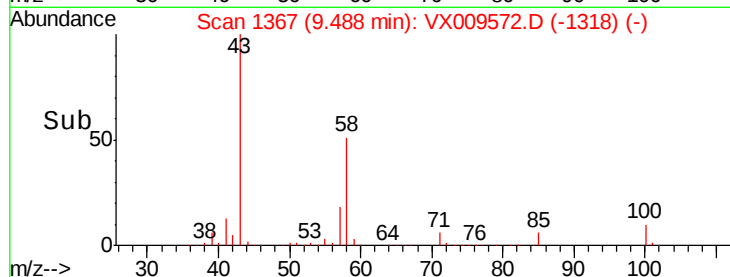
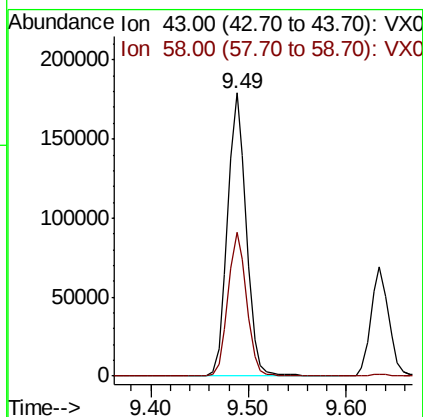
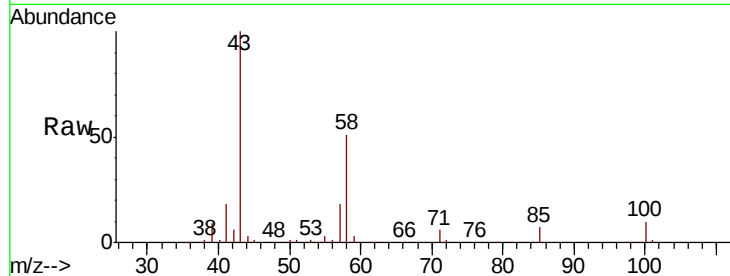




#59
2-Hexanone
Concen: 87.728 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

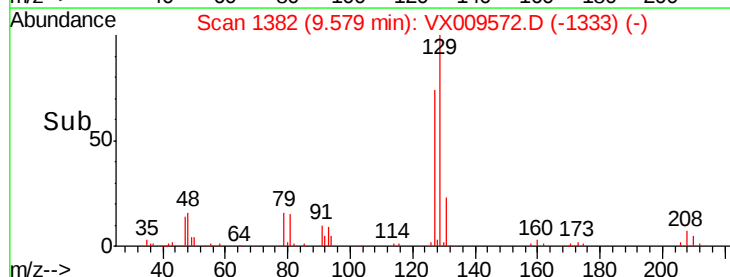
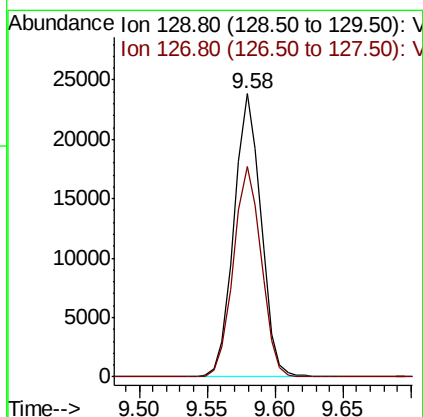
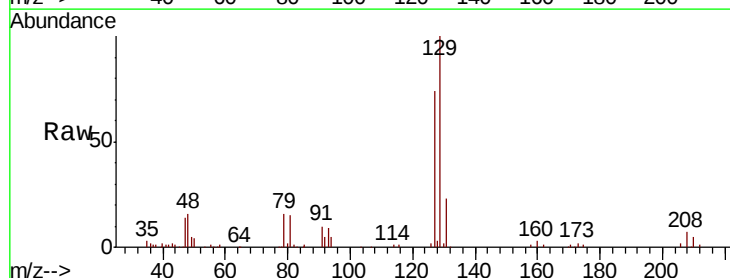
Instrument :
MSVOA_X
ClientSampled :

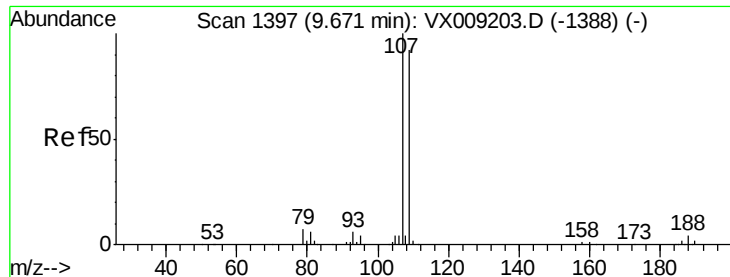
Tot Ion: 43 Resp: 237283
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.7



#60
Dibromochloromethane
Concen: 18.645 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion: 129 Resp: 33042
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.585 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

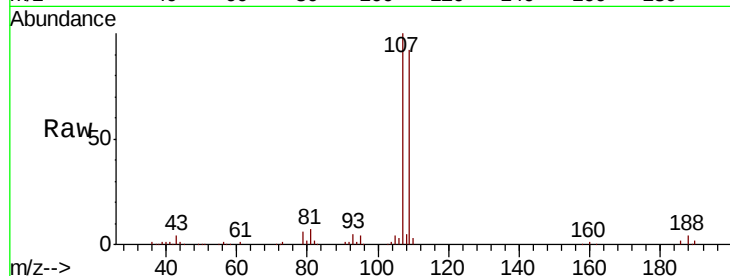
ClientSampled :

Tot Ion:107 Resp: 34040

Ion Ratio Lower Upper

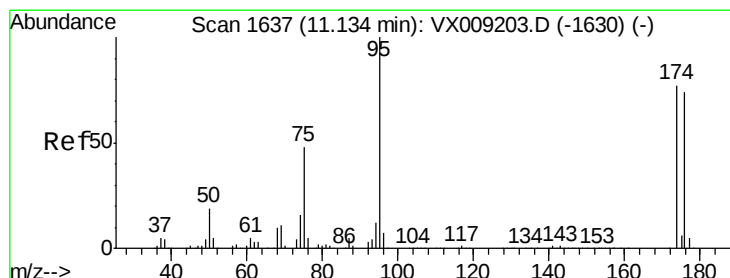
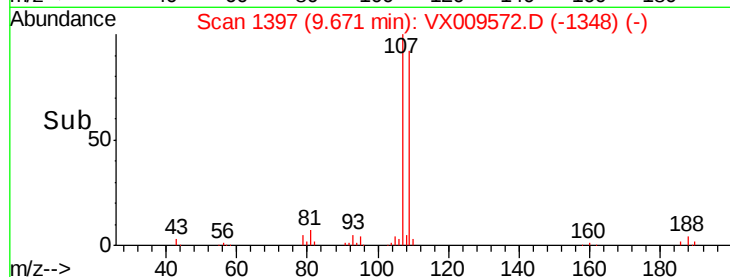
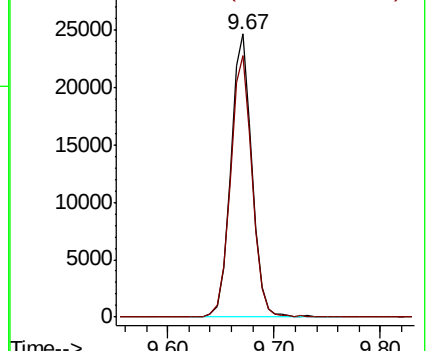
107 100

109 94.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.988 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

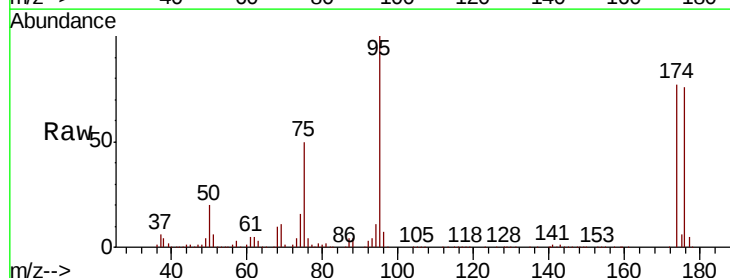
Tgt Ion: 95 Resp: 112583

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

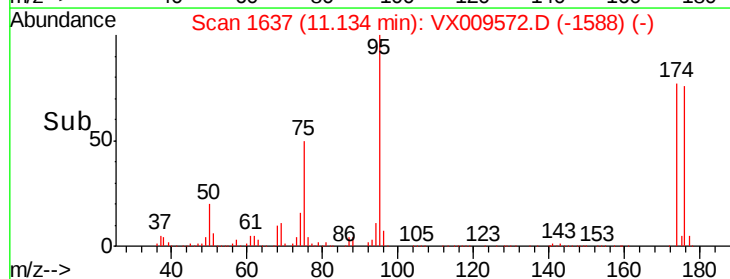
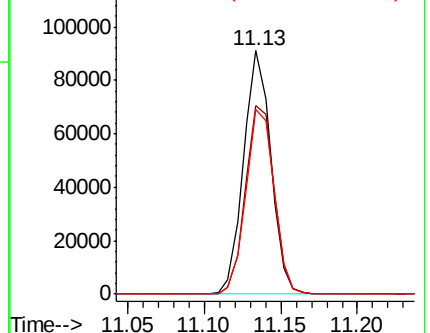
176 79.1 0.0 159.2



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

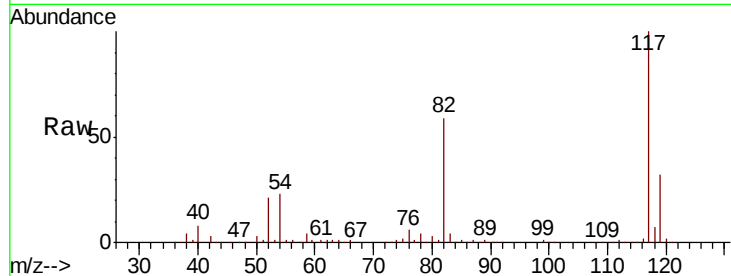




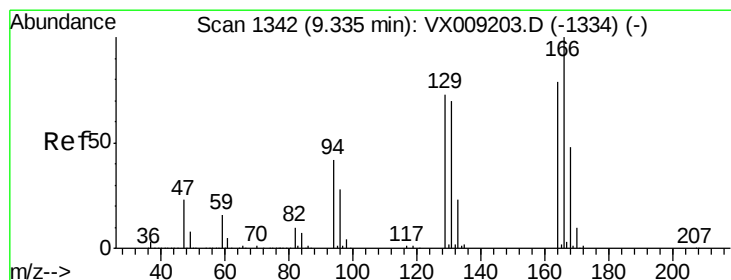
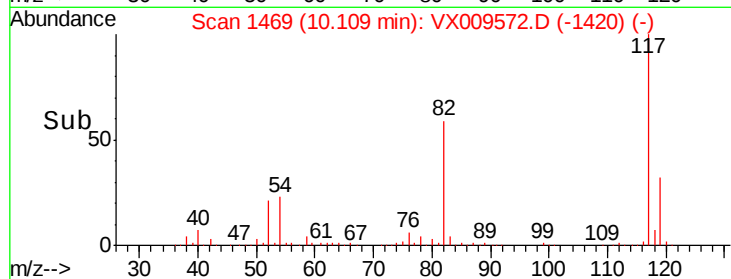
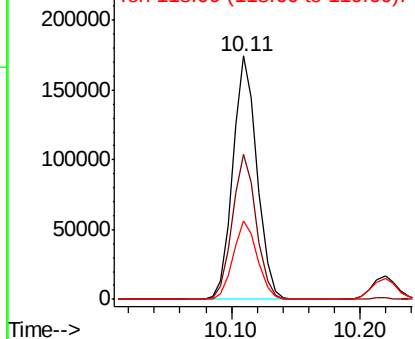
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 228156
Ion Ratio Lower Upper
117 100
82 59.5 48.8 73.2
119 32.3 25.8 38.6

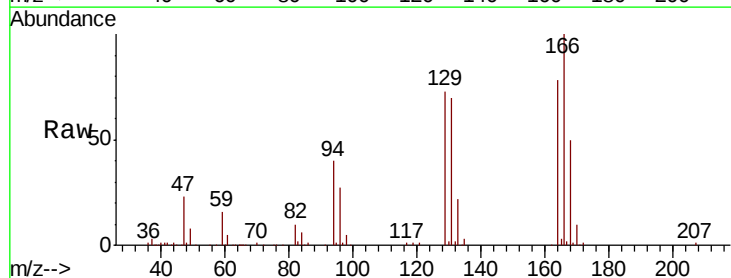


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

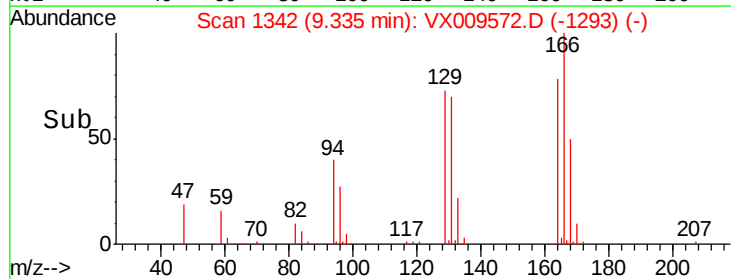
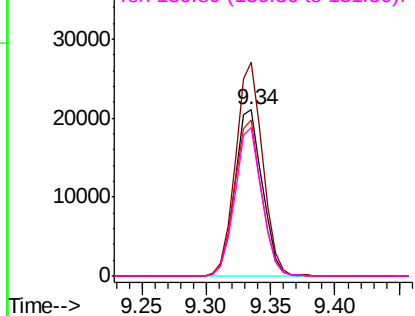


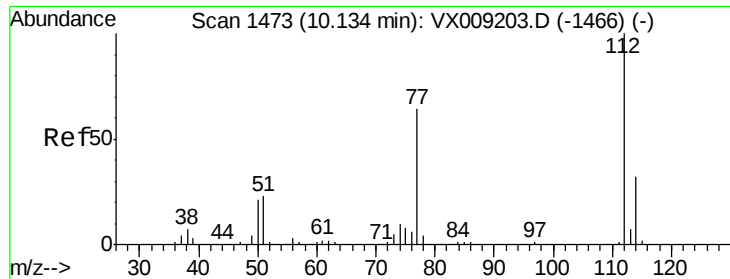
#64
Tetrachloroethene
Concen: 20.039 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion:164 Resp: 31362
Ion Ratio Lower Upper
164 100
166 128.4 101.2 151.8
129 93.8 74.3 111.5
131 89.3 71.0 106.6



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

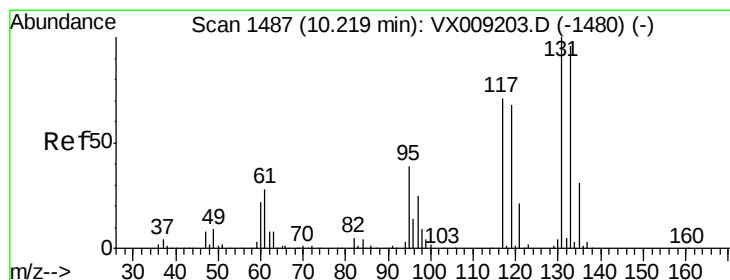
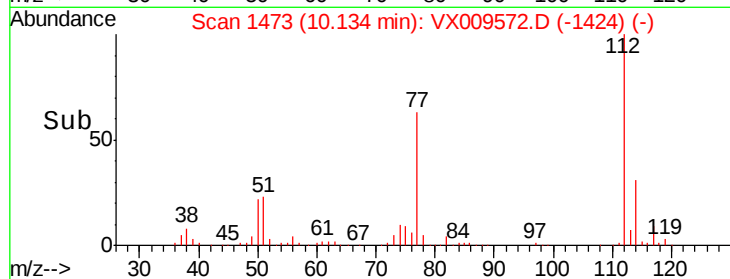
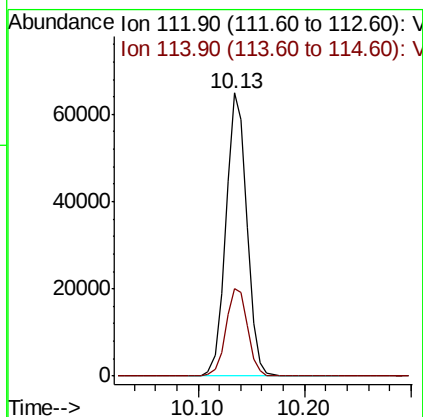
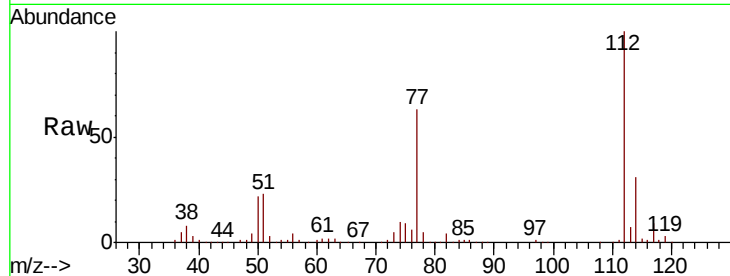




#65
Chlorobenzene
Concen: 19.574 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

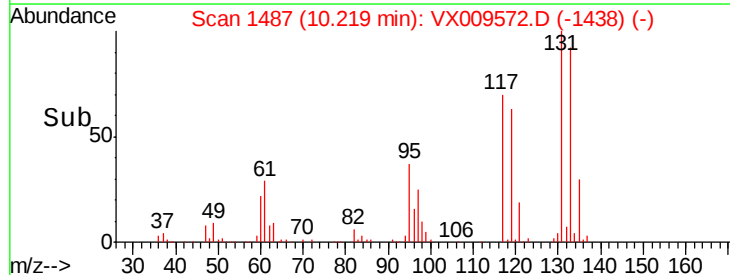
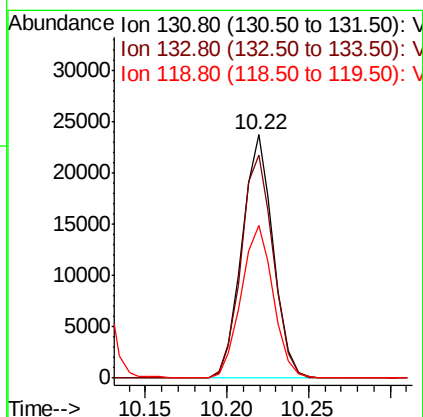
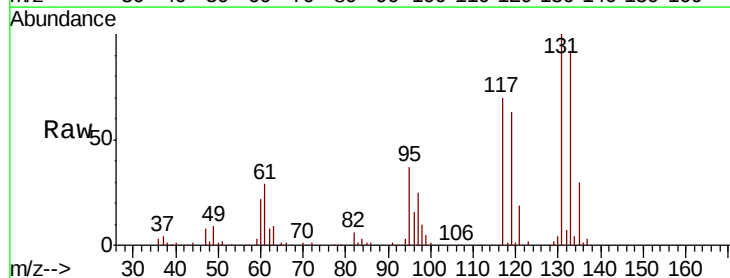
Instrument :
MSVOA_X
ClientSampleId :

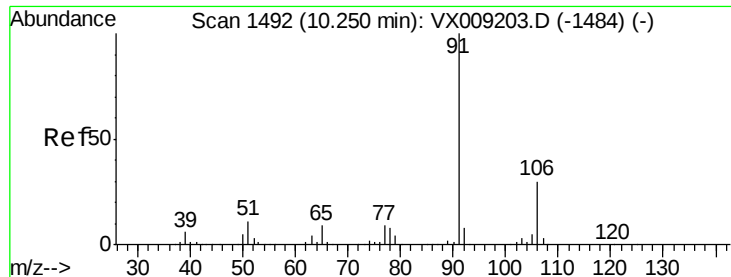
Tot Ion:112 Resp: 89337
Ion Ratio Lower Upper
112 100
114 31.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.037 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion:131 Resp: 31500
Ion Ratio Lower Upper
131 100
133 94.8 47.7 143.1
119 65.1 33.5 100.4

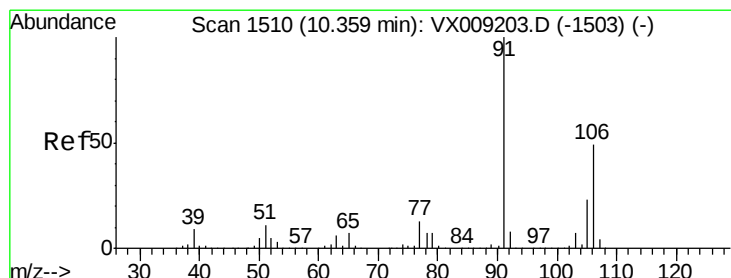
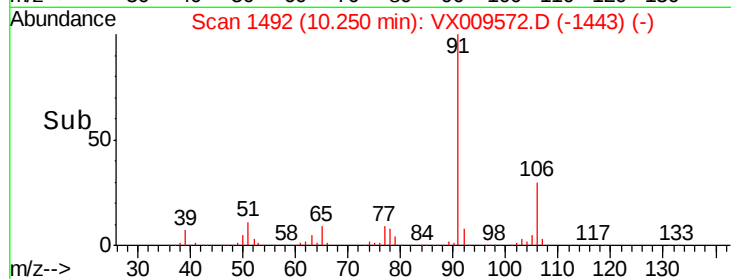
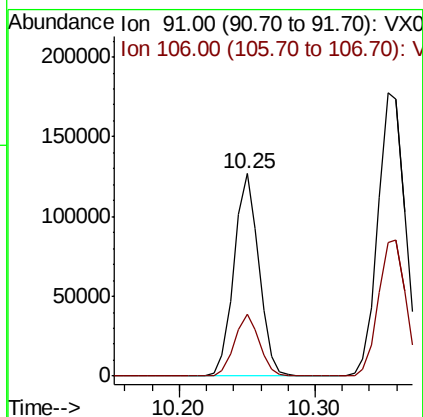
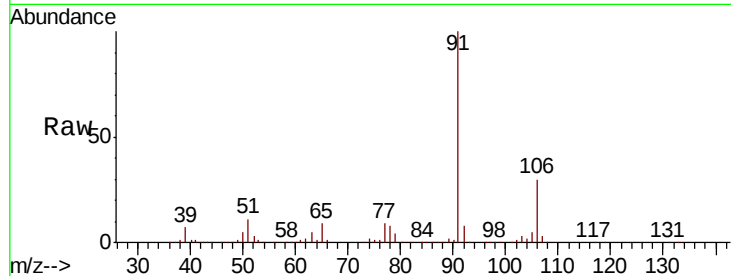




#67
Ethyl Benzene
Concen: 19.265 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

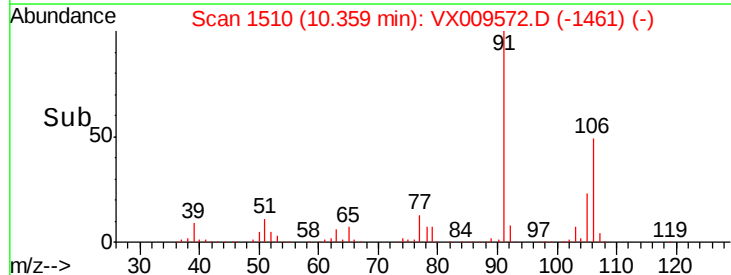
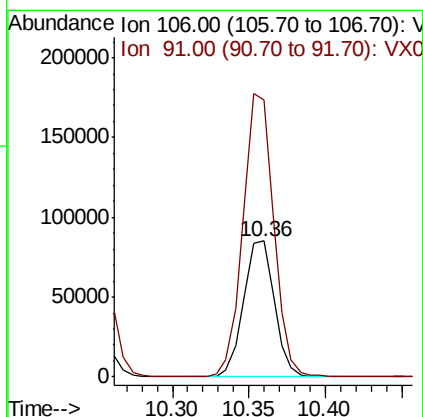
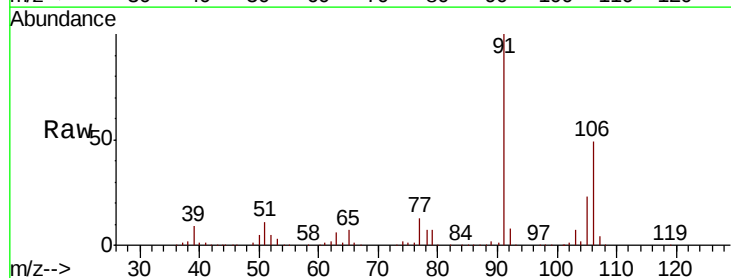
Instrument :
MSVOA_X
ClientSampleId :

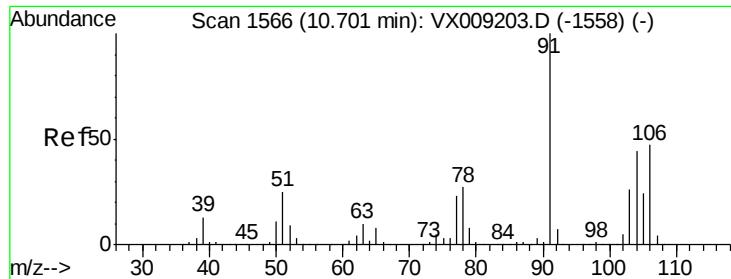
Tot Ion: 91 Resp: 161821
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0



#68
m/p-Xylenes
Concen: 39.012 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion: 106 Resp: 119748
Ion Ratio Lower Upper
106 100
91 207.0 164.0 246.0

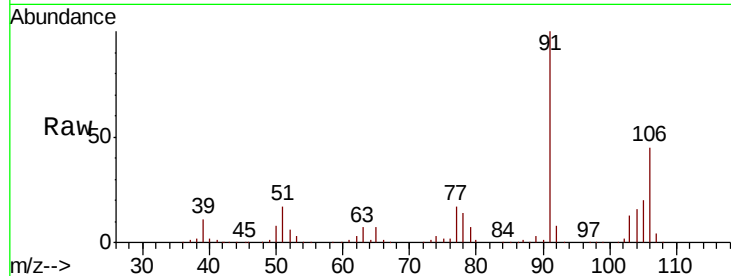




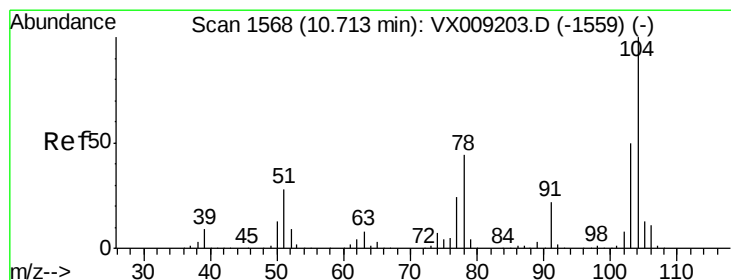
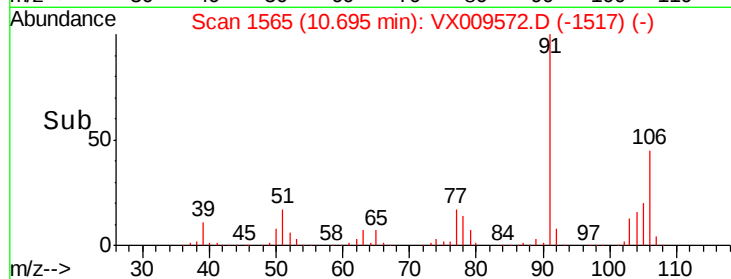
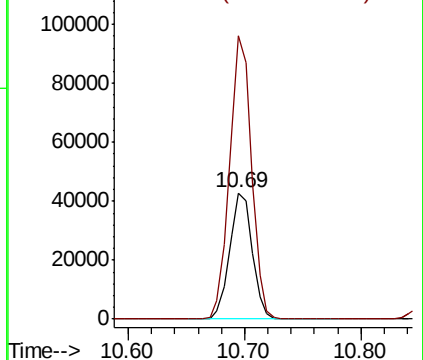
#69
o-Xylene
Concen: 19.157 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 58018
Ion Ratio Lower Upper
106 100
91 218.7 109.5 328.4

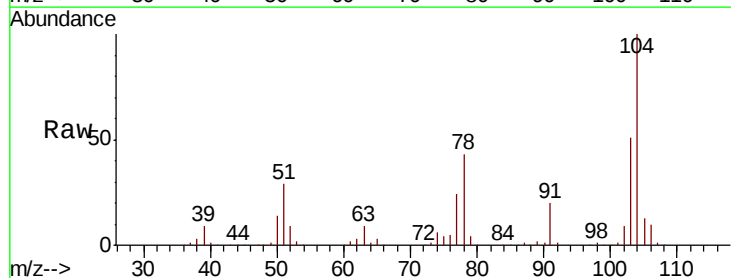


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

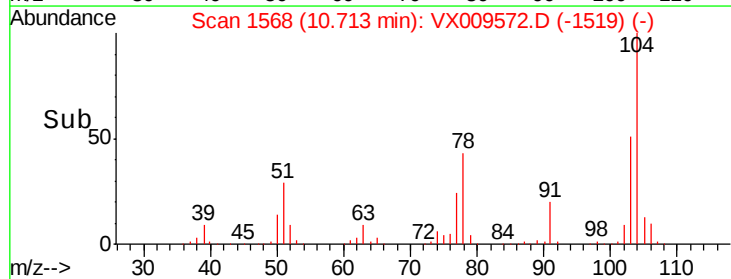
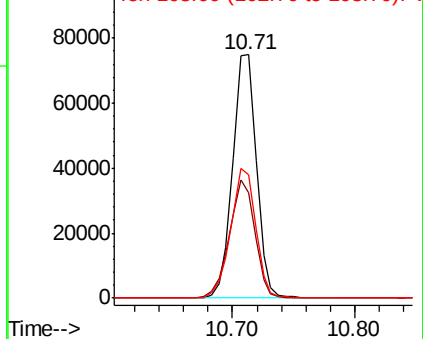


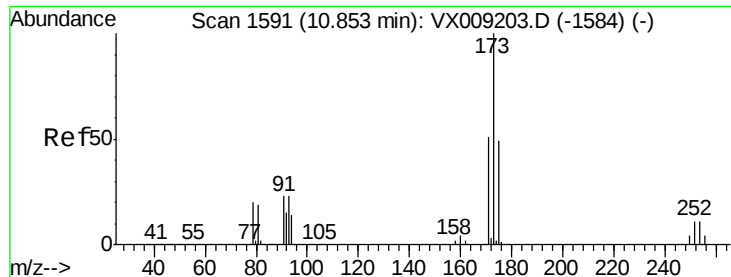
#70
Styrene
Concen: 19.124 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion:104 Resp: 100664
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 55.9 43.8 65.6



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





#71

Bromoform

Concen: 17.687 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

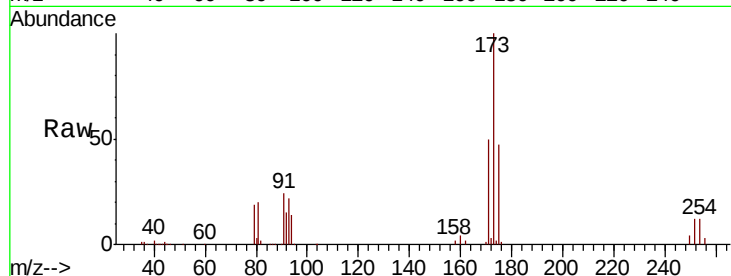
Tot Ion:173 Resp: 23783

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

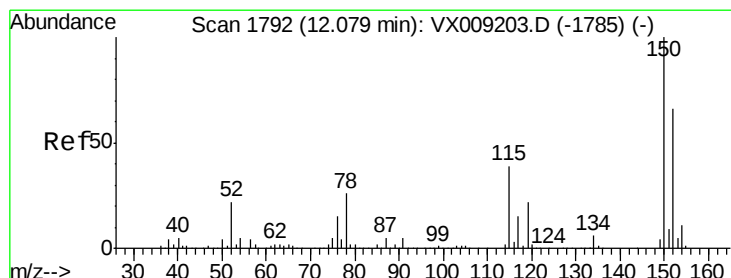
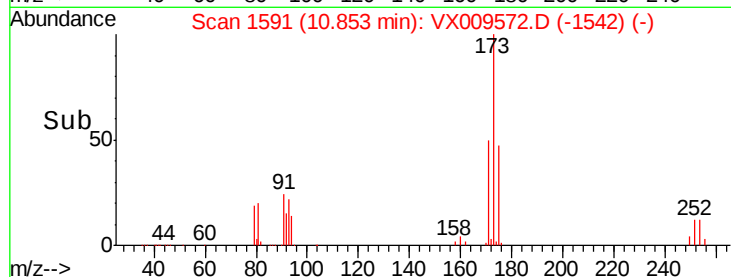
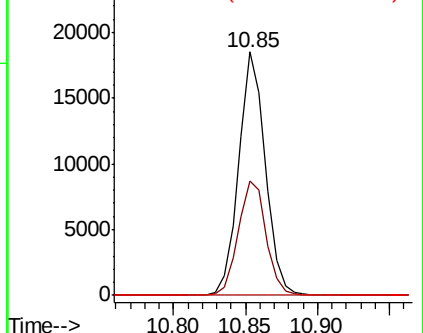
254 0.0 0.1 0.1#



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: VX009572.D

Acq: 15 May 2019 12:07

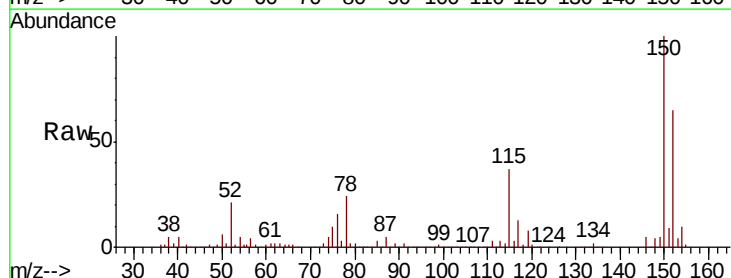
Tgt Ion:152 Resp: 115415

Ion Ratio Lower Upper

152 100

115 66.3 41.2 123.6

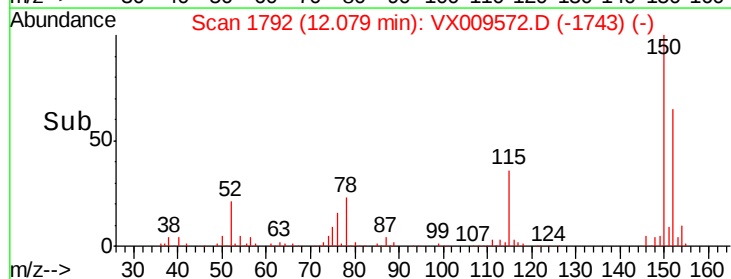
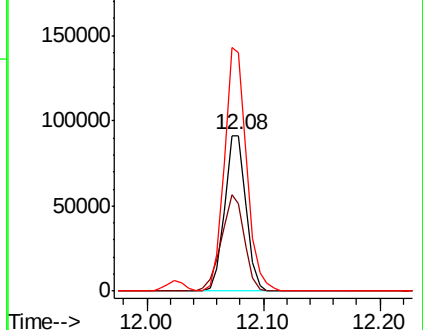
150 161.6 0.0 346.4



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: 18.770 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

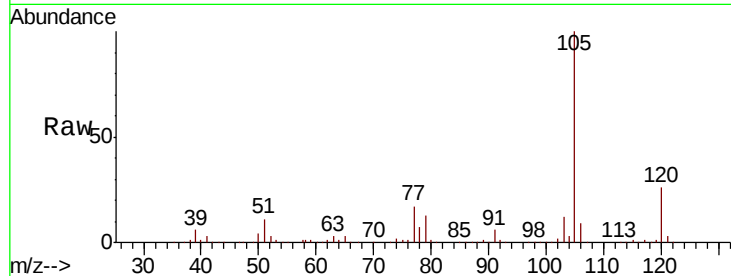
ClientSampled :

Tot Ion:105 Resp: 157530

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

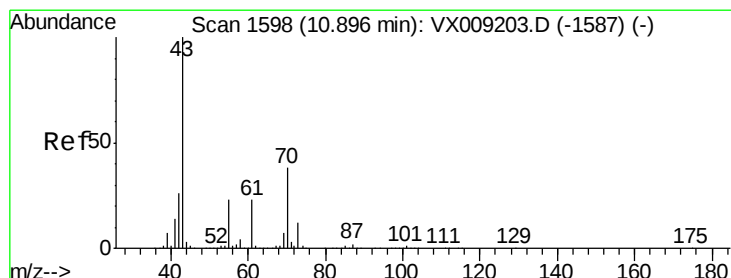
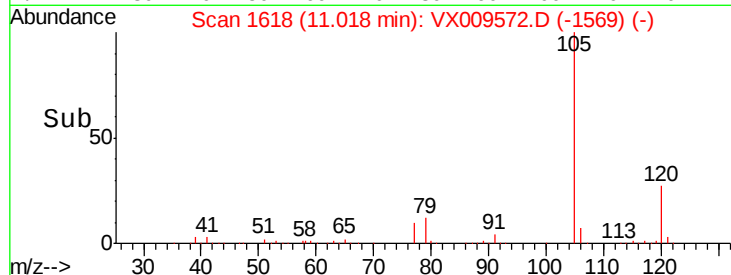
11.02

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.227 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Tgt Ion: 43 Resp: 84296

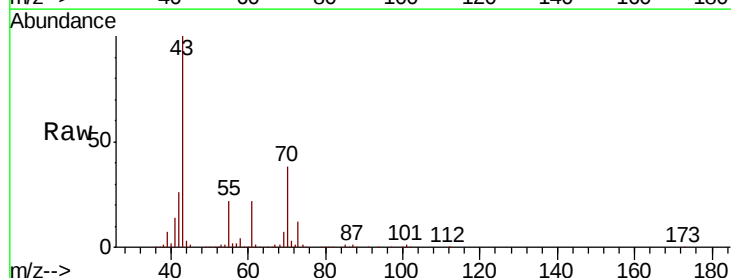
Ion Ratio Lower Upper

43 100

70 37.3 30.0 45.0

55 23.2 17.9 26.9

61 22.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

100000

80000

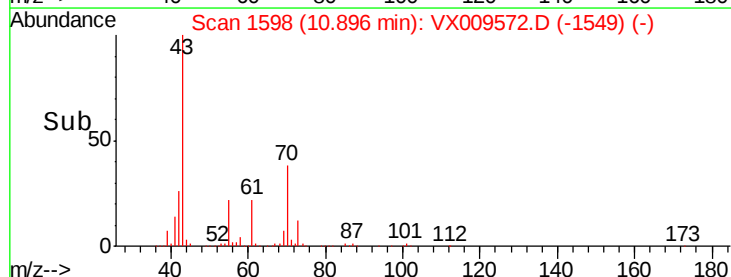
60000

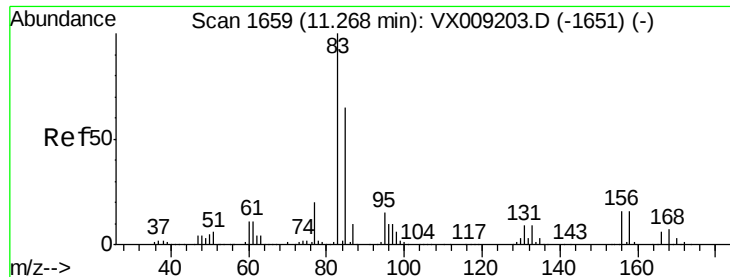
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.650 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

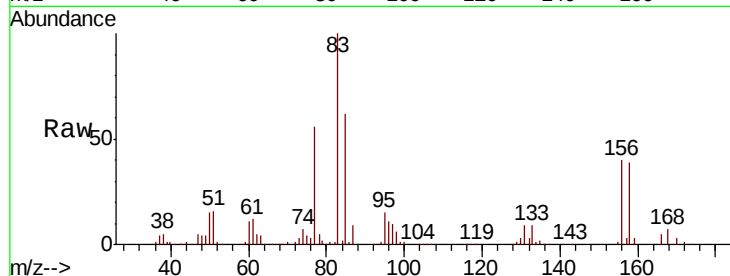
Tot Ion: 83 Resp: 55223

Ion Ratio Lower Upper

83 100

131 9.6 4.6 13.8

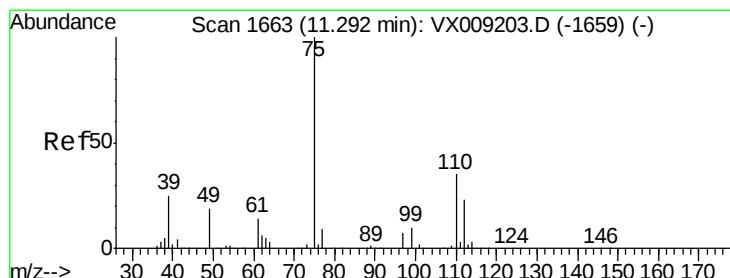
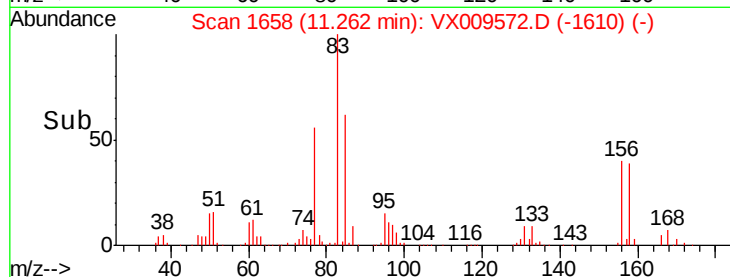
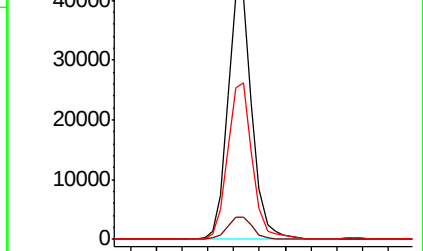
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX009572.D (-1610) (-)

Ion 130.80 (130.50 to 131.50): VX009572.D (-1610) (-)

Ion 84.90 (84.60 to 85.60): VX009572.D (-1610) (-)



#76

1,2,3-Trichloropropane

Concen: 23.509 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009572.D

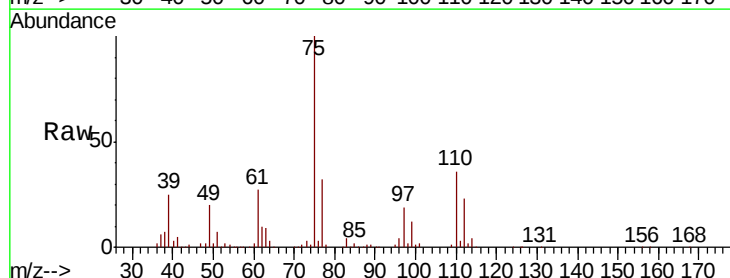
Acq: 15 May 2019 12:07

Tgt Ion: 75 Resp: 62939

Ion Ratio Lower Upper

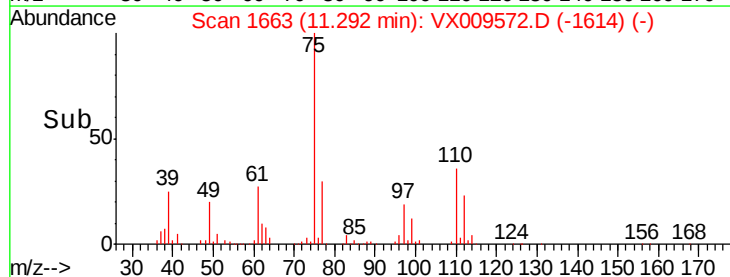
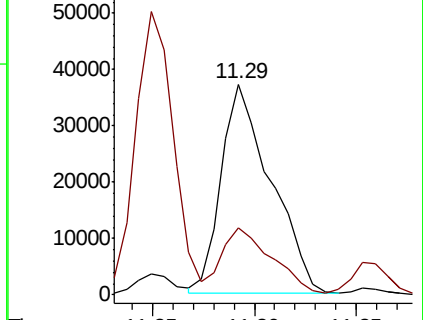
75 100

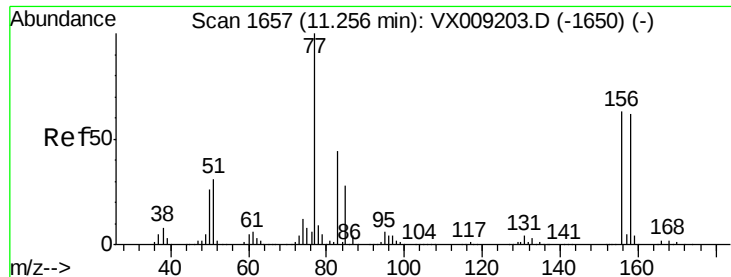
77 32.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX009572.D (-1614) (-)

Ion 77.00 (76.70 to 77.70): VX009572.D (-1614) (-)





#77

Bromobenzene

Concen: 18.251 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

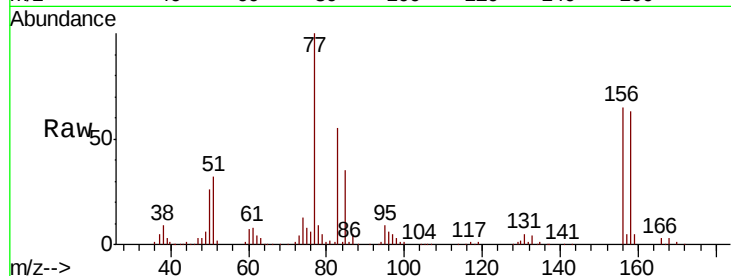
Tot Ion:156 Resp: 38019

Ion Ratio Lower Upper

156 100

77 171.1 84.8 254.3

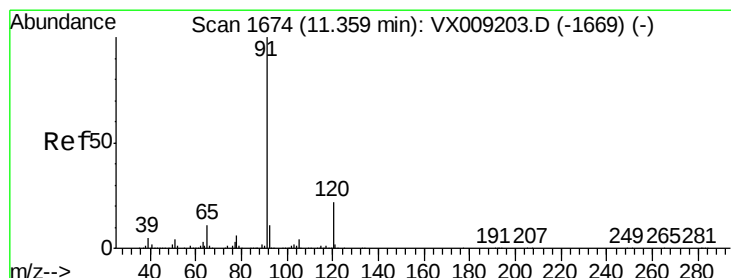
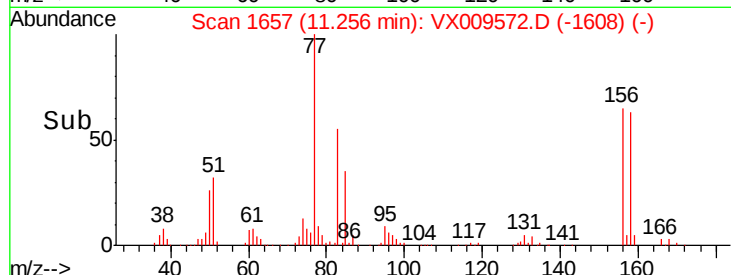
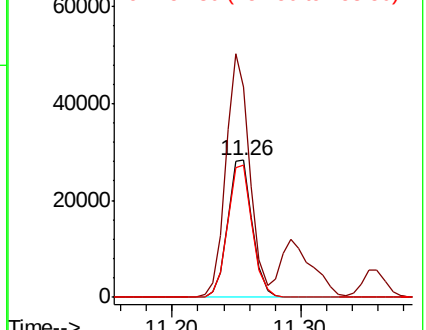
158 96.4 49.1 147.3



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: 18.787 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009572.D

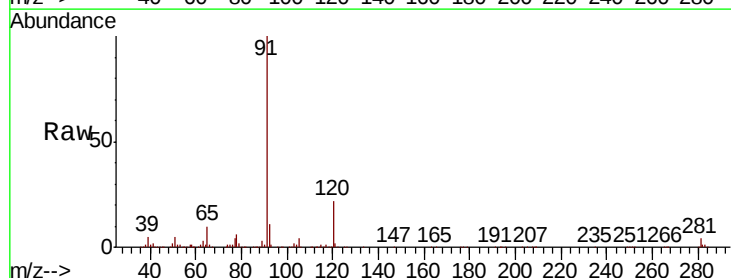
Acq: 15 May 2019 12:07

Tgt Ion: 91 Resp: 180076

Ion Ratio Lower Upper

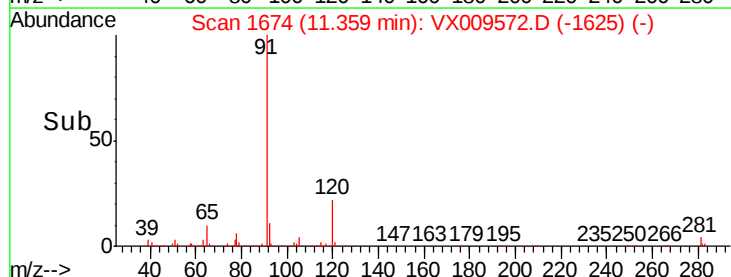
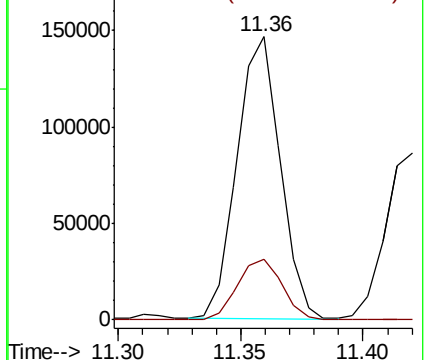
91 100

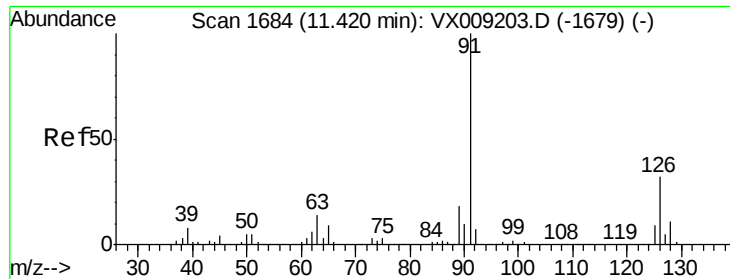
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.179 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

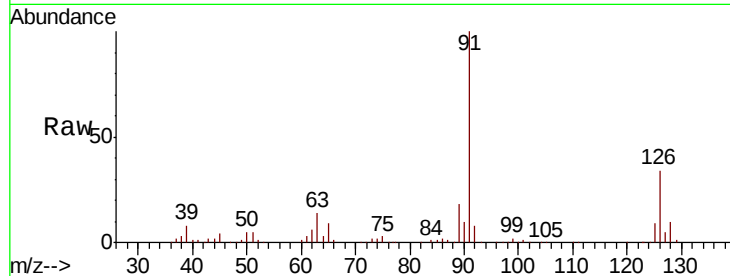
ClientSampleId :

Tot Ion: 91 Resp: 107504

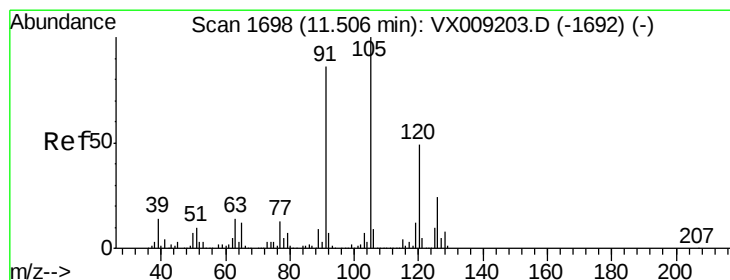
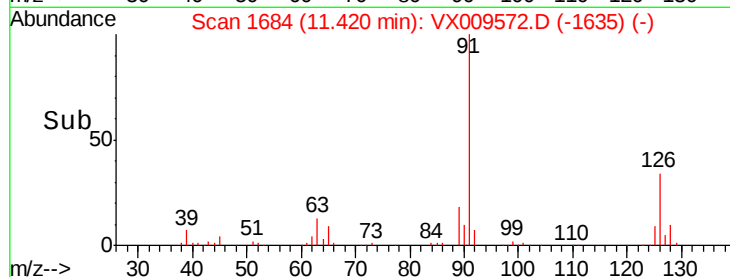
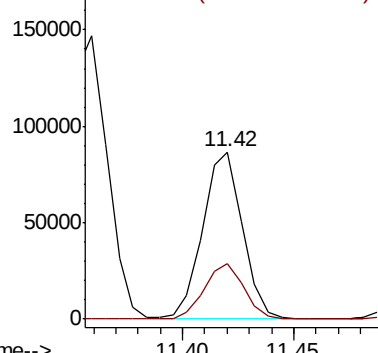
Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009572.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.627 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009572.D

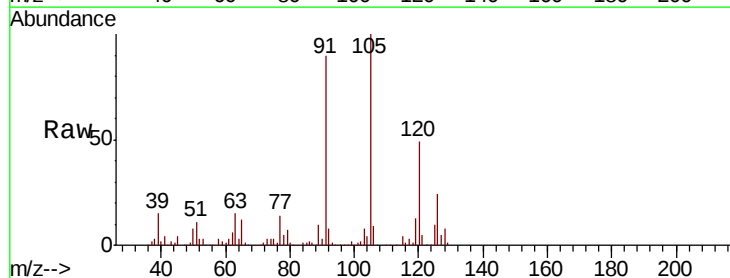
Acq: 15 May 2019 12:07

Tgt Ion:105 Resp: 131634

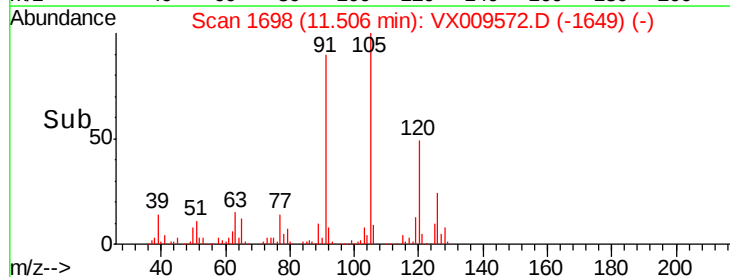
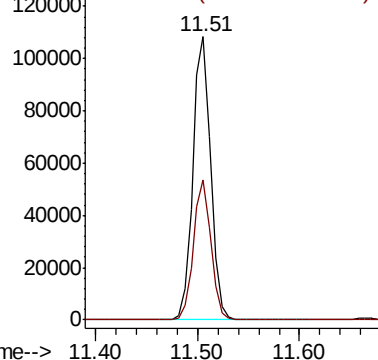
Ion Ratio Lower Upper

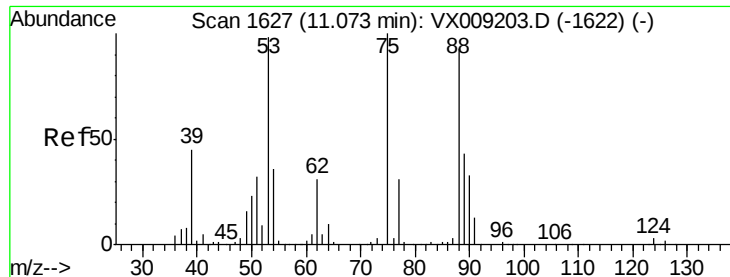
105 100

120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009572.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.027 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

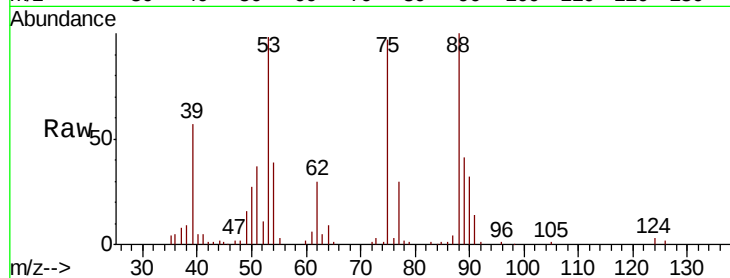
Tot Ion: 75 Resp: 17816

Ion Ratio Lower Upper

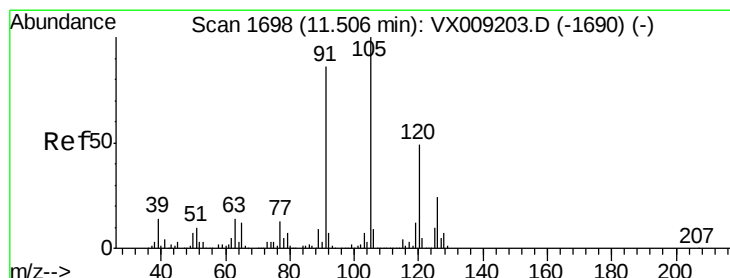
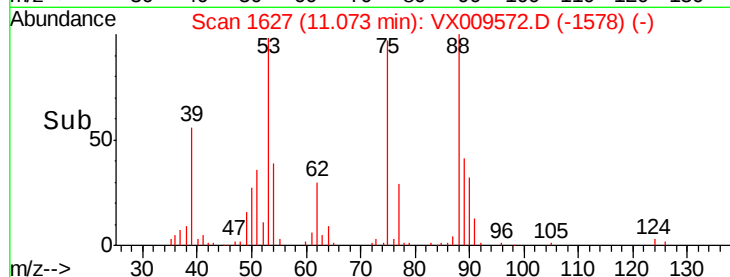
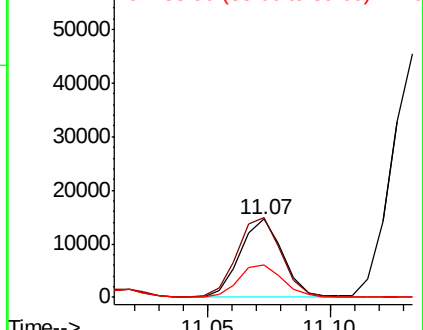
75 100

53 105.0 79.0 118.6

89 43.6 34.7 52.1



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: 18.572 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009572.D

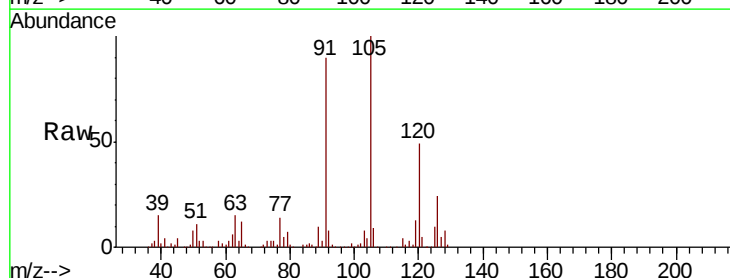
Acq: 15 May 2019 12:07

Tgt Ion: 91 Resp: 124074

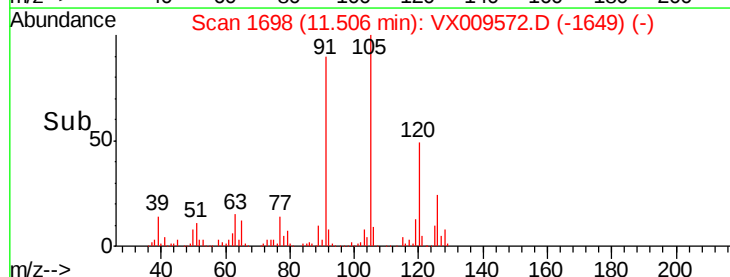
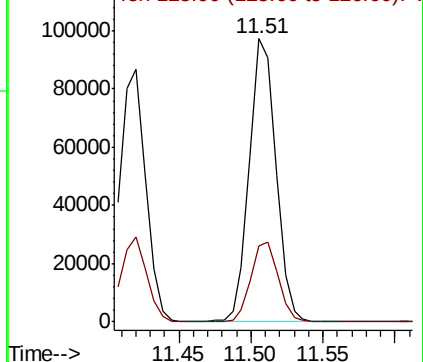
Ion Ratio Lower Upper

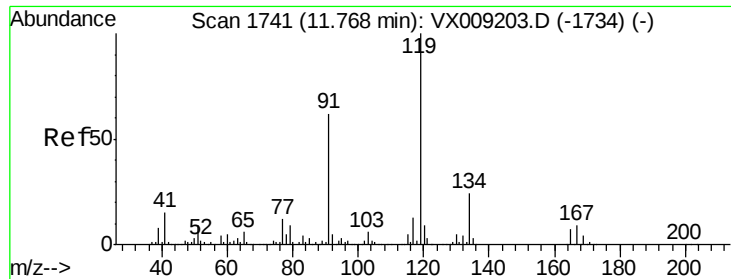
91 100

126 29.1 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

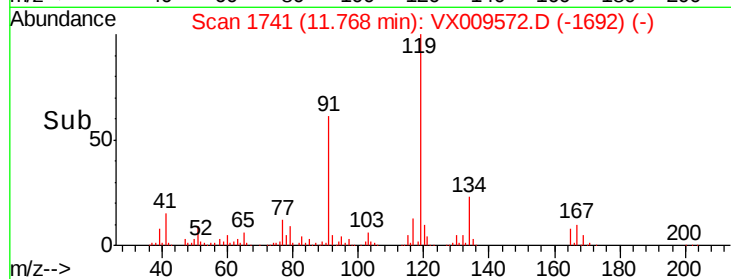
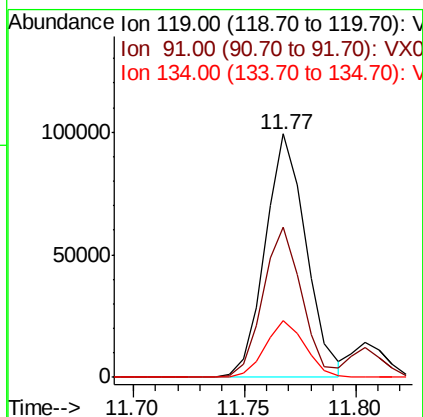
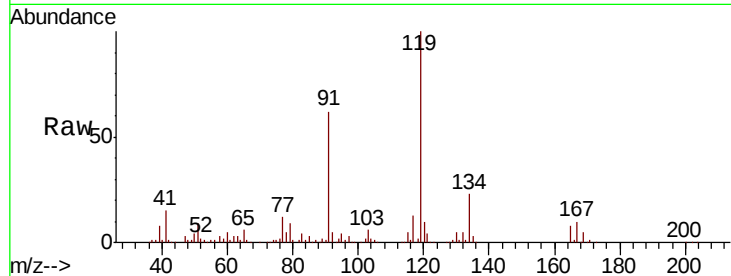




#83
tert-Butylbenzene
Concen: 18.402 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

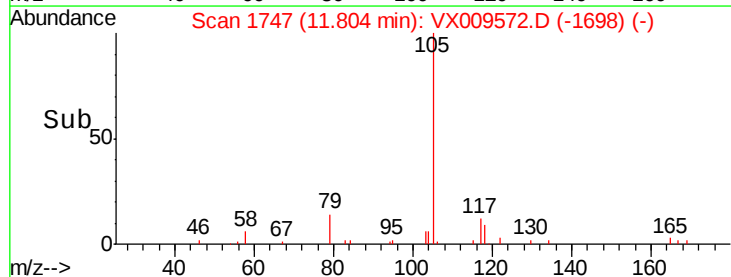
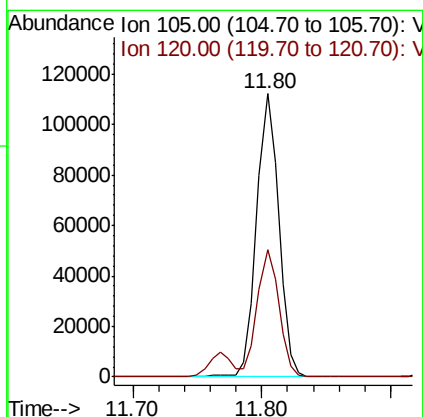
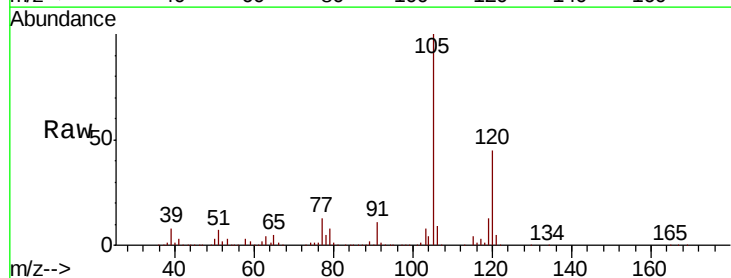
Instrument :
MSVOA_X
ClientSampled :

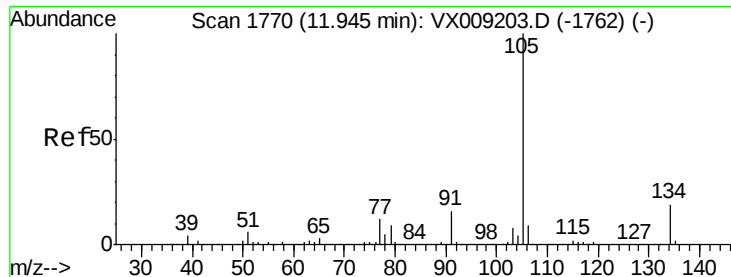
Tot Ion:119 Resp: 126504
Ion Ratio Lower Upper
119 100
91 59.3 29.5 88.5
134 22.6 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 18.722 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion:105 Resp: 132801
Ion Ratio Lower Upper
105 100
120 44.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 18.831 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

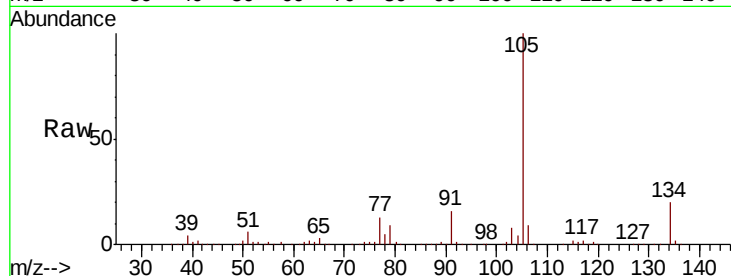
ClientSampled :

Tot Ion:105 Resp: 153481

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

150000

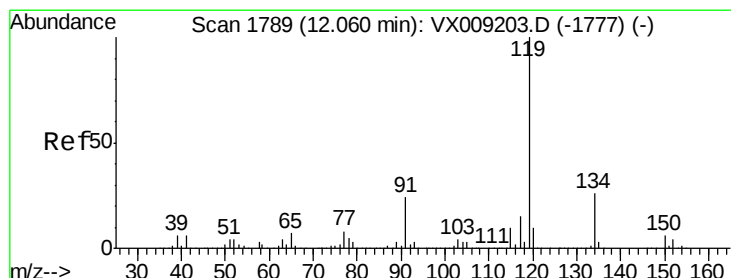
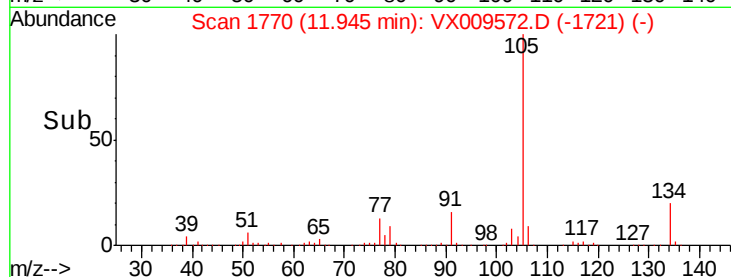
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 19.095 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

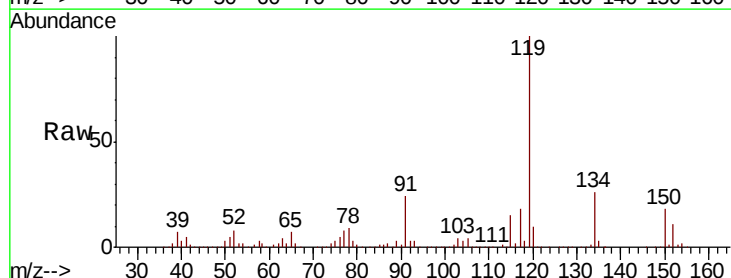
Tgt Ion:119 Resp: 139914

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 24.0 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

150000

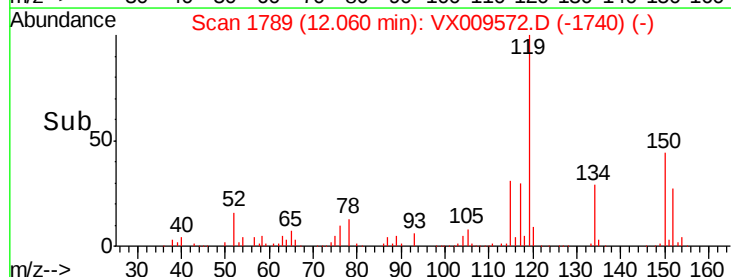
100000

50000

0

Time-->

12.00 12.10 12.20

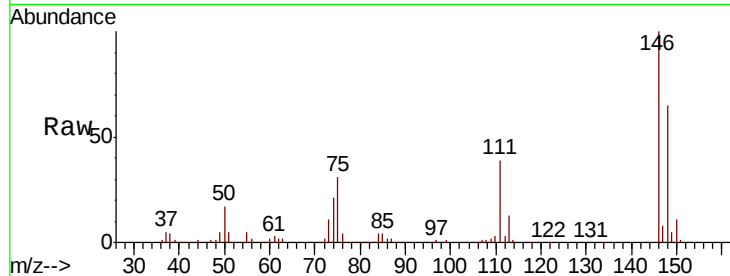




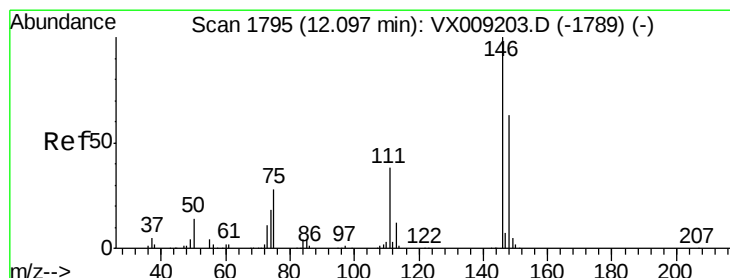
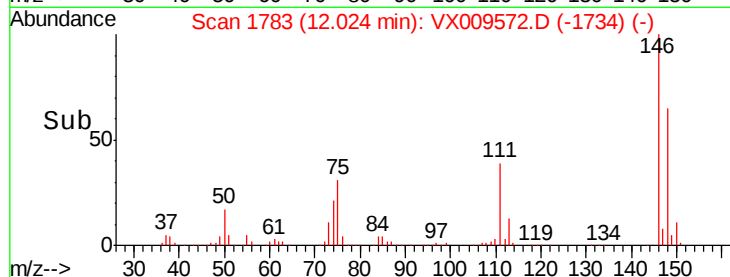
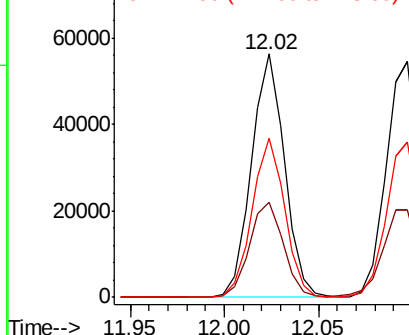
#87
 1,3-Dichlorobenzene
 Concen: 18.444 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 68494
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 59.9
 148 64.6 31.8 95.3

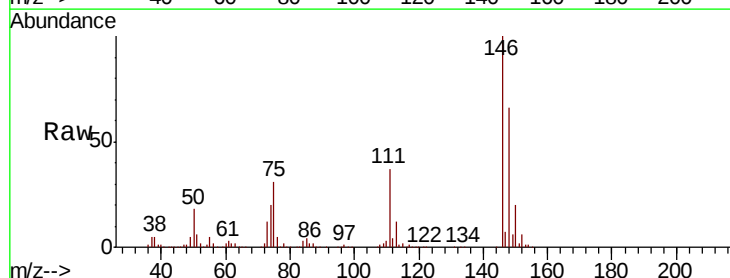


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

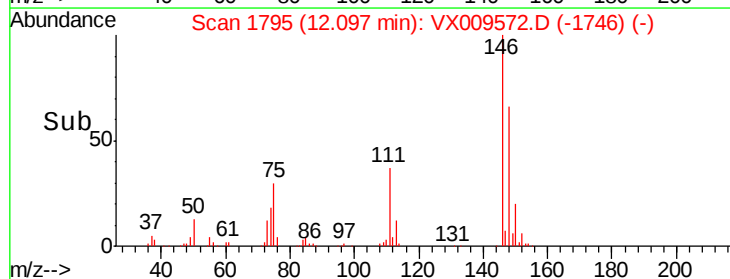
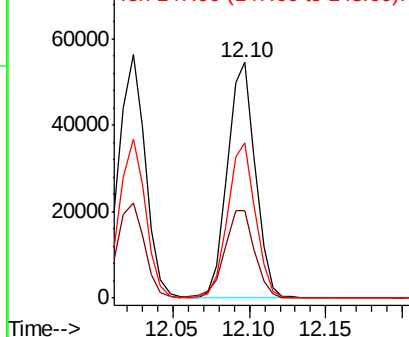


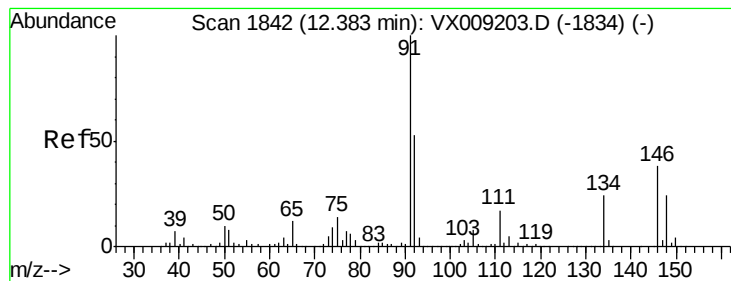
#88
 1,4-Dichlorobenzene
 Concen: 18.414 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion:146 Resp: 68943
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.6 58.8
 148 65.2 31.8 95.3



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





#89

n-Butylbenzene

Concen: 19.018 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009572.D

Acq: 15 May 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

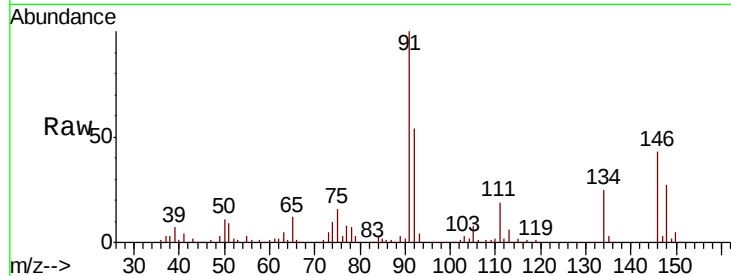
Tot Ion: 91 Resp: 125944

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.5

134 24.9 12.4 37.2

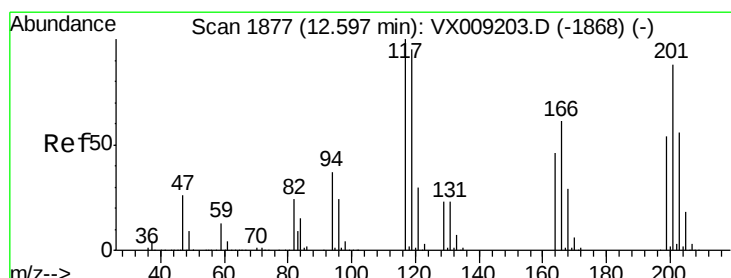
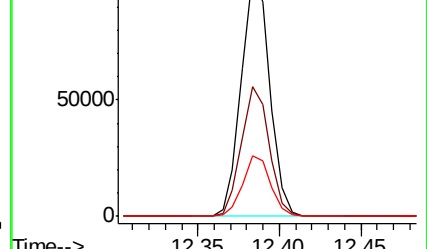
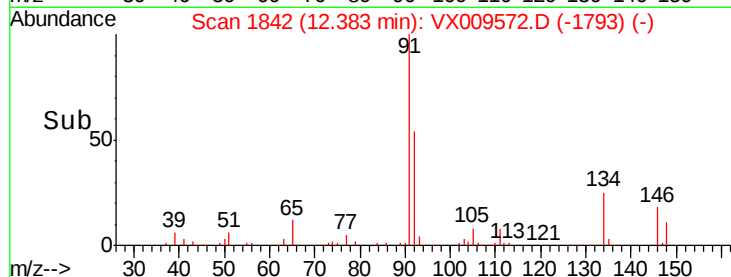


Abundance Ion 91.00 (90.70 to 91.70): VX009572.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX009572.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX009572.D (-1793) (-)

Time-->



#90

Hexachloroethane

Concen: 17.896 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009572.D

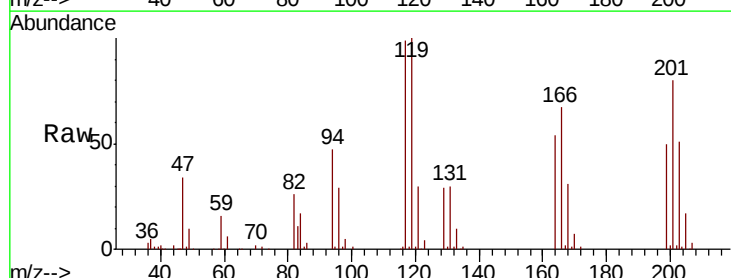
Acq: 15 May 2019 12:07

Tgt Ion: 117 Resp: 22339

Ion Ratio Lower Upper

117 100

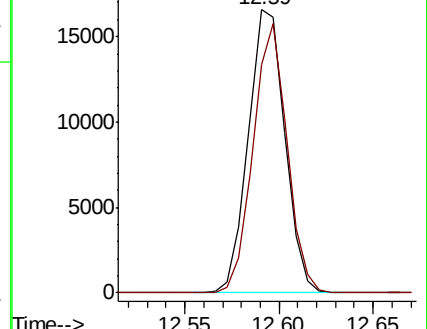
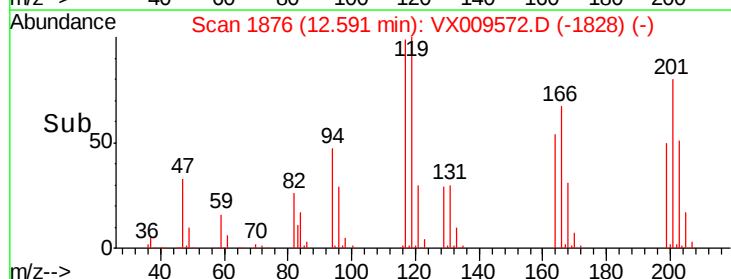
201 87.8 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): VX009572.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX009572.D (-1828) (-)

Time-->

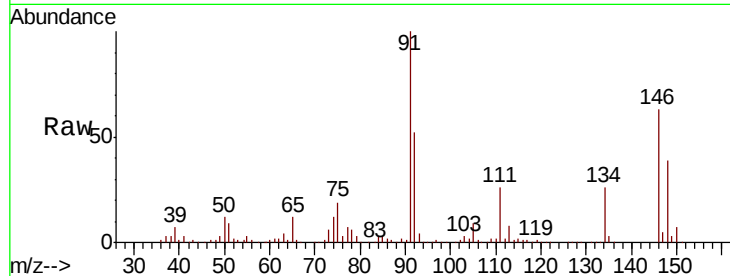




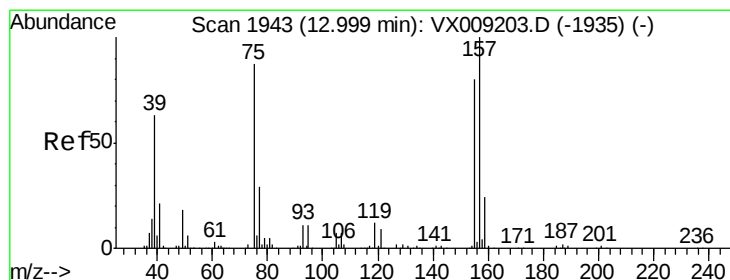
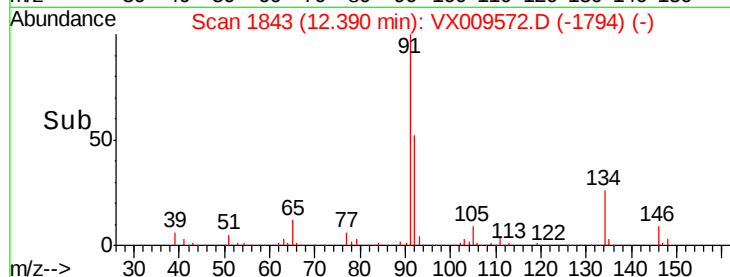
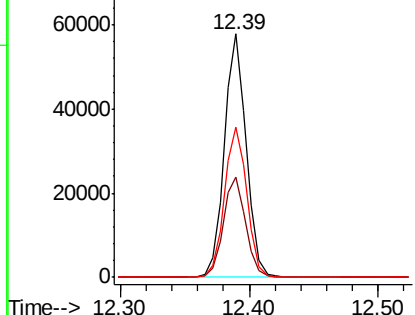
#91
 1,2-Dichlorobenzene
 Concen: 18.260 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 69067
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.4
 148 63.3 31.9 95.9

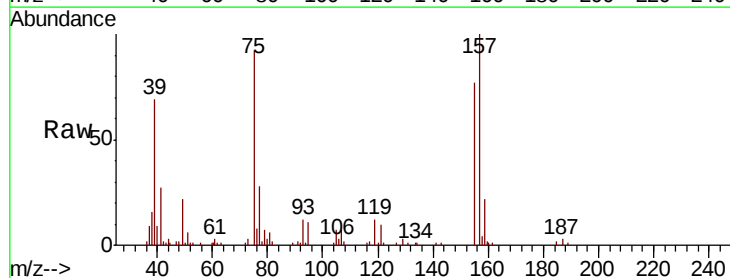


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

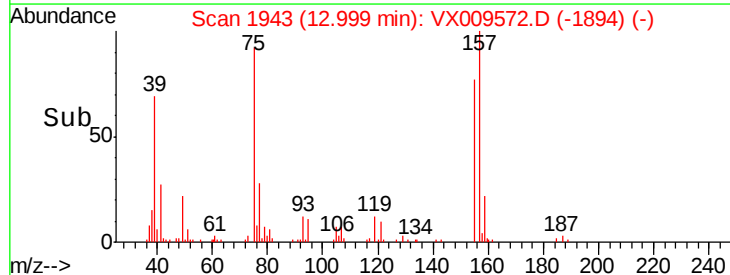
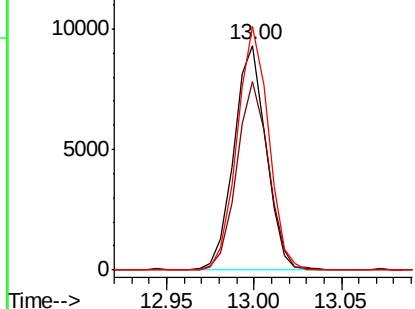


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.955 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion: 75 Resp: 11900
 Ion Ratio Lower Upper
 75 100
 155 83.3 42.0 126.0
 157 106.2 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

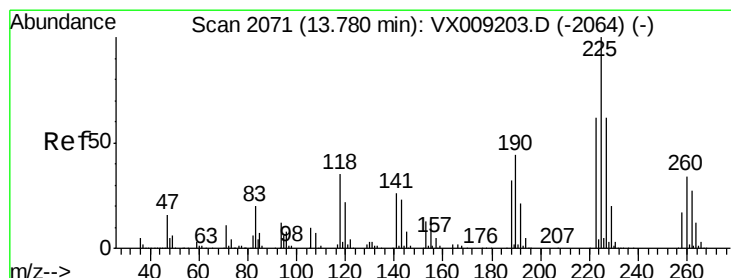
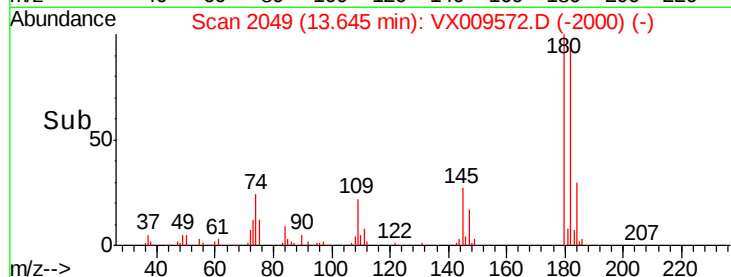
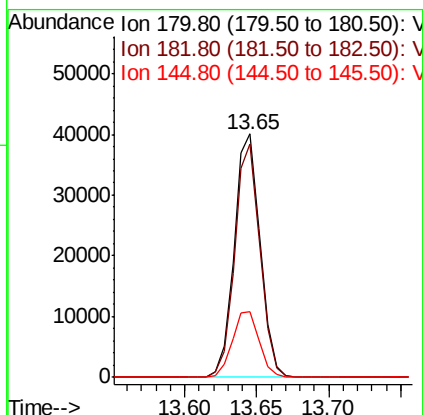
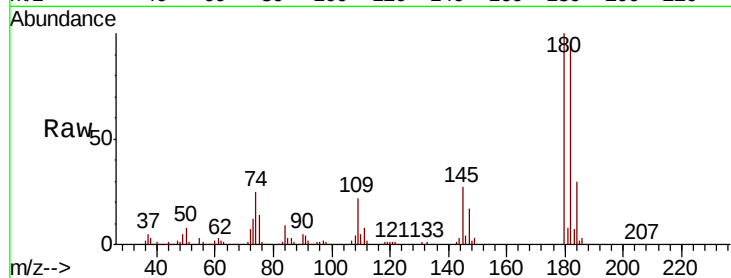




#93
 1,2,4-Trichlorobenzene
 Concen: 19.485 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

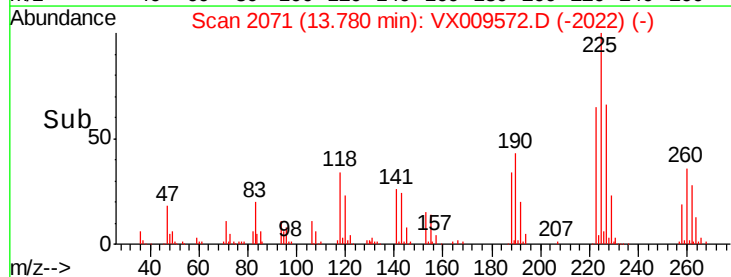
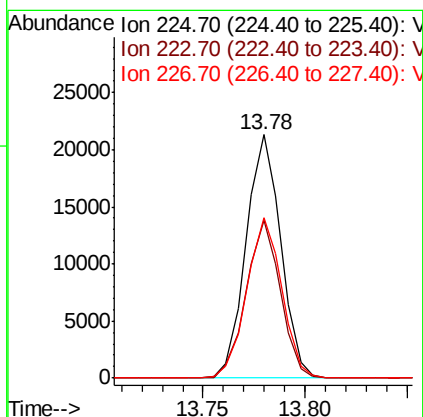
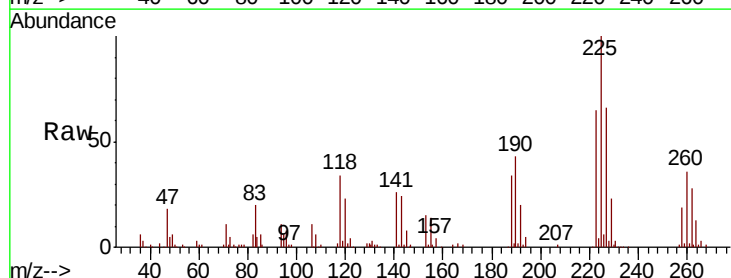
Instrument :
 MSVOA_X
 ClientSampleId :

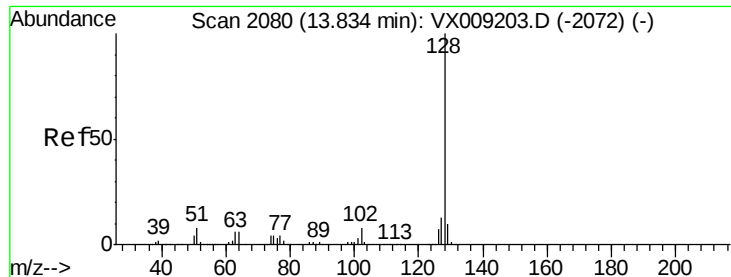
Tot Ion:180 Resp: 50400
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.4 145.2
 145 28.2 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 19.138 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009572.D
 Acq: 15 May 2019 12:07

Tgt Ion:225 Resp: 25279
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.3 93.8
 227 66.6 31.8 95.3

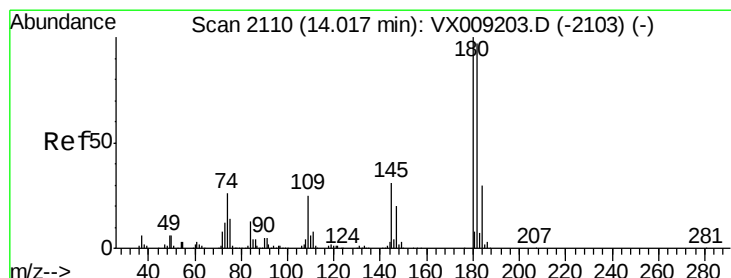
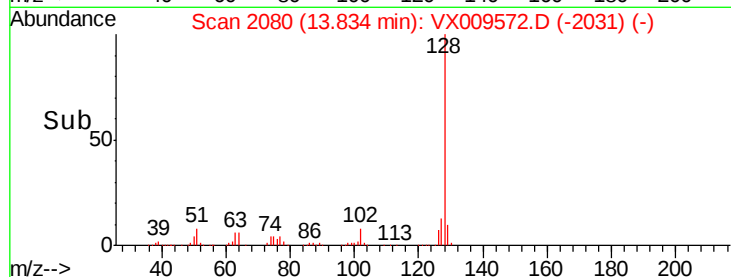
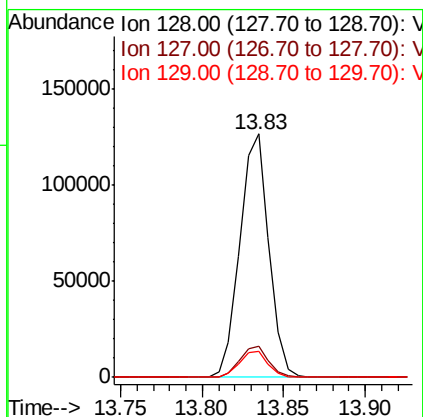
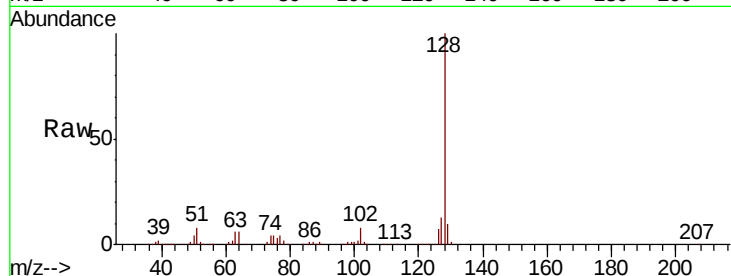




#95
Naphthalene
Concen: 18.654 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.149 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009572.D
Acq: 15 May 2019 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.4
145	31.2	15.4	46.4

