

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010500.D
 Acq On : 27 Jun 2019 19:36
 Operator : JC/SP
 Sample : K3565-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:51:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	245924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373546	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	121853	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	5.50	113	119762	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	8.71	98	446470	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.13	95	165761	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79883	46.723	ug/l	96
3) Chloromethane	1.32	50	90403	45.408	ug/l	99
4) Vinyl Chloride	1.41	62	99002	45.401	ug/l	100
5) Bromomethane	1.64	94	52292	49.223	ug/l	100
6) Chloroethane	1.71	64	63393	49.275	ug/l	98
7) Trichlorofluoromethane	1.93	101	176634	51.098	ug/l	99
8) Diethyl Ether	2.19	74	63122	50.919	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101665	48.531	ug/l	99
10) Methyl Iodide	2.51	142	155202	51.914	ug/l	98
11) Tert butyl alcohol	3.05	59	134443	222.828	ug/l #	74
12) 1,1-Dichloroethene	2.37	96	102250	47.968	ug/l	100
13) Acrolein	2.29	56	82869	207.045	ug/l	95
14) Allyl chloride	2.73	41	149553	49.418	ug/l	100
15) Acrylonitrile	3.14	53	322694	270.136	ug/l	97
16) Acetone	2.45	43	245532	212.474	ug/l	100
17) Carbon Disulfide	2.57	76	245913	43.001	ug/l	100
18) Methyl Acetate	2.78	43	111737	48.515	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	345314	51.494	ug/l #	35
20) Methylene Chloride	2.85	84	117294	49.322	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	108719	47.422	ug/l	100
22) Diisopropyl ether	3.85	45	320662	50.679	ug/l	96
23) Vinyl Acetate	3.82	43	1342291	245.568	ug/l	99
24) 1,1-Dichloroethane	3.70	63	184770	50.520	ug/l	99
25) 2-Butanone	4.67	43	413344	243.846	ug/l	100
26) 2,2-Dichloropropane	4.59	77	131129	41.273	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	132366	49.963	ug/l	98
28) Bromochloromethane	5.02	49	85675	48.995	ug/l	100
29) Tetrahydrofuran	5.13	42	273088	260.094	ug/l	99
30) Chloroform	5.21	83	200402	50.926	ug/l	98
31) Cyclohexane	5.58	56	471600	141.598	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	175152	50.408	ug/l	100
36) 1,1-Dichloropropene	5.80	75	140056	47.182	ug/l	100
37) Ethyl Acetate	4.84	43	148622	48.668	ug/l	99
38) Carbon Tetrachloride	5.79	117	155418	48.351	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	441804	113.228	ug/l	99
40) Benzene	6.15	78	2409740	260.569	ug/l	100
41) Methacrylonitrile	5.04	41	85546	51.055	ug/l	99
42) 1,2-Dichloroethane	6.19	62	164954	58.596	ug/l	97
43) Isopropyl Acetate	6.45	43	254826	50.437	ug/l	99
44) Trichloroethene	7.21	130	133483	48.237	ug/l	99
45) 1,2-Dichloropropane	7.51	63	117701	50.399	ug/l	99
46) Dibromomethane	7.66	93	84087	50.184	ug/l	98
47) Bromodichloromethane	7.90	83	154380	50.275	ug/l	99
48) Methyl methacrylate	7.77	41	133864	57.001	ug/l	96
49) 1,4-Dioxane	7.74	88	60796	898.654	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	851846	263.621	ug/l	98
52) Toluene	8.78	92	311811	51.199	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	167193	48.565	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	180443	48.231	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127846	50.900	ug/l	99
56) Ethyl methacrylate	9.18	69	196340	51.602	ug/l	97
57) 1,3-Dichloropropane	9.37	76	198941	51.025	ug/l	99
59) 2-Hexanone	9.49	43	645550	253.837	ug/l	99
60) Dibromochloromethane	9.58	129	140663	50.018	ug/l	99
61) 1,2-Dibromoethane	9.67	107	137479	50.710	ug/l	99
64) Tetrachloroethene	9.34	164	122606	44.401	ug/l	98
65) Chlorobenzene	10.13	112	344269	49.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	130149	51.552	ug/l	100
67) Ethyl Benzene	10.25	91	3313578	283.186	ug/l	100
68) m/p-Xylenes	10.36	106	3370363	743.374	ug/l	99
69) o-Xylene	10.70	106	247928	55.606	ug/l	98
70) Styrene	10.71	104	384915	51.478	ug/l	98
71) Bromoform	10.85	173	111068	50.589	ug/l #	99
73) Isopropylbenzene	11.02	105	852637	70.894	ug/l	99
74) N-amyl acetate	10.90	43	222164	48.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	197638	49.620	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	220984	68.351	ug/l	79
77) Bromobenzene	11.26	156	165568	49.302	ug/l	99
78) n-propylbenzene	11.36	91	986532	74.635	ug/l	99
79) 2-Chlorotoluene	11.42	91	525434	66.755	ug/l	83
80) 1,3,5-Trimethylbenzene	11.51	105	947105	95.525	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	61389	44.297	ug/l	96
82) 4-Chlorotoluene	11.51	91	494631	55.226	ug/l	95
83) tert-Butylbenzene	11.77	119	518259	52.079	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1895146	190.252	ug/l	99
85) sec-Butylbenzene	11.94	105	608706	52.097	ug/l	99
86) p-Isopropyltoluene	12.06	119	609182	56.366	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	290126	49.492	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	288062	48.269	ug/l	99
89) n-Butylbenzene	12.38	91	505554	55.049	ug/l	95
90) Hexachloroethane	12.60	117	105860	56.647	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	284494	48.830	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44550	51.877	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	204466	50.606	ug/l	99

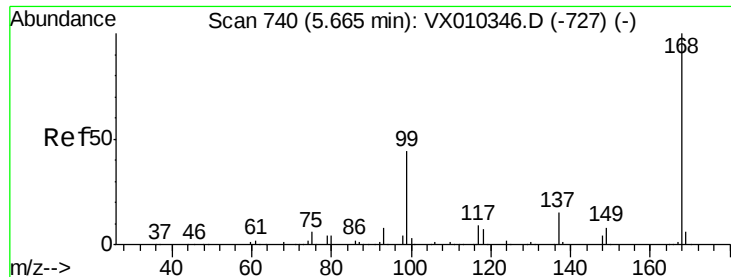
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	97582	49.417	ug/l	99
95) Naphthalene	13.83	128	881869	71.026	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	203329	50.615	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

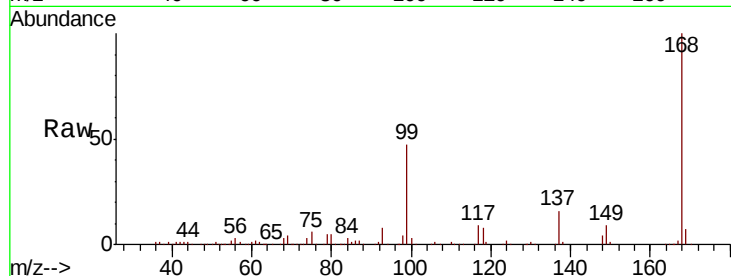
ClientSampleId :

Tot Ion:168 Resp: 245924

Ion Ratio Lower Upper

168 100

99 46.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

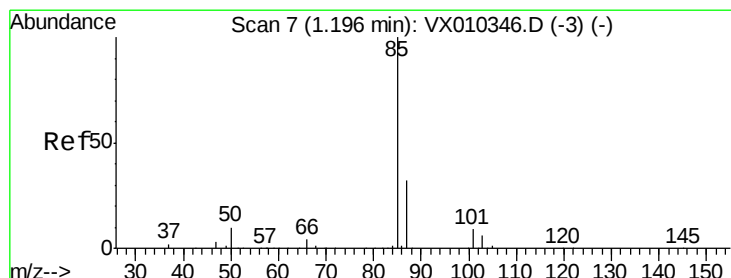
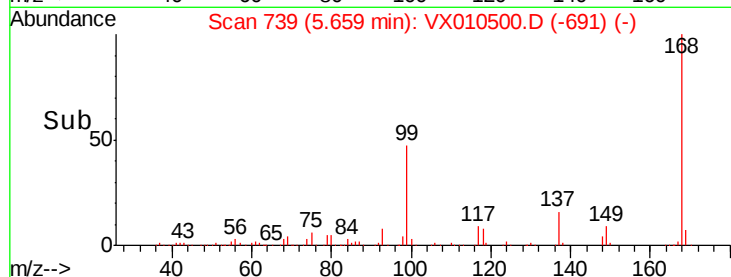
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.723 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010500.D

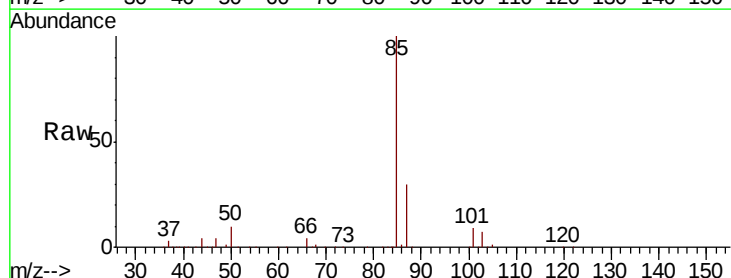
Acq: 27 Jun 2019 19:36

Tgt Ion: 85 Resp: 79883

Ion Ratio Lower Upper

85 100

87 30.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

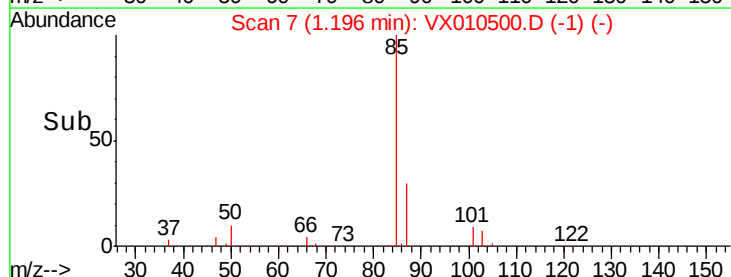
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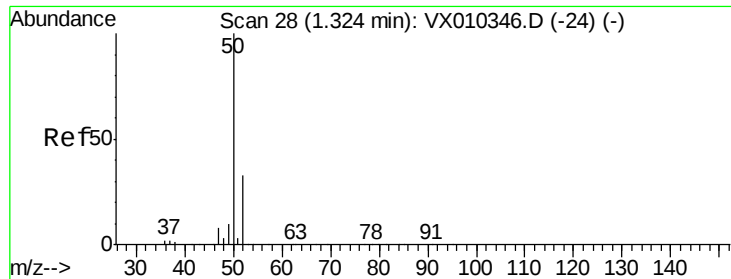
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.408 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

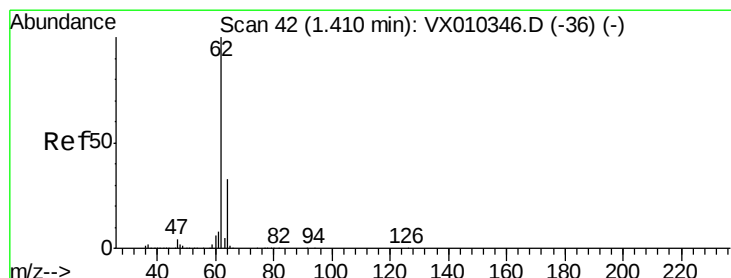
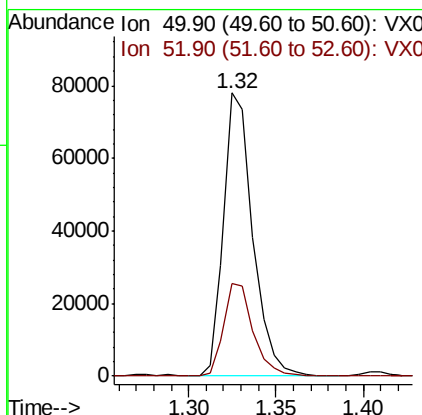
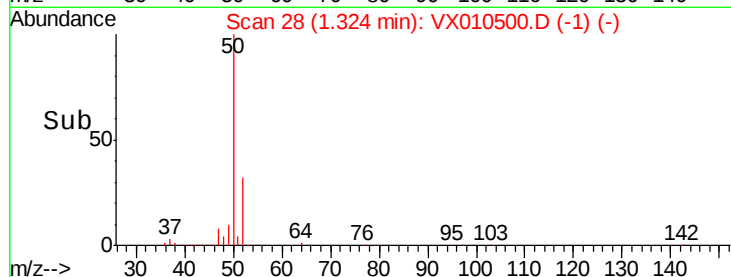
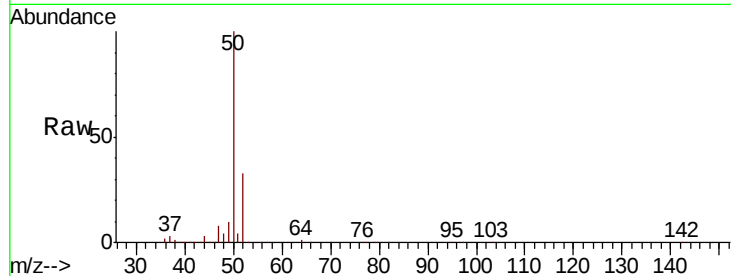
ClientSampleId :

Tot Ion: 50 Resp: 90403

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7



#4

Vinyl Chloride

Concen: 45.401 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010500.D

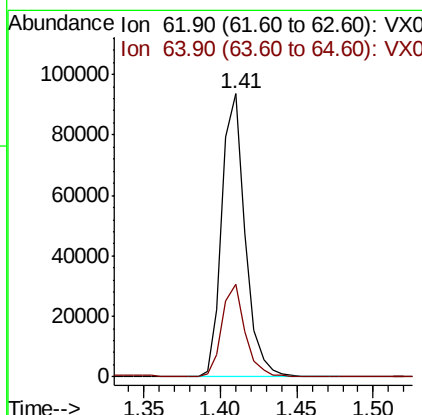
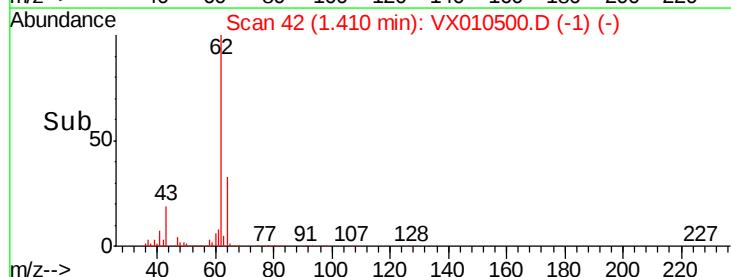
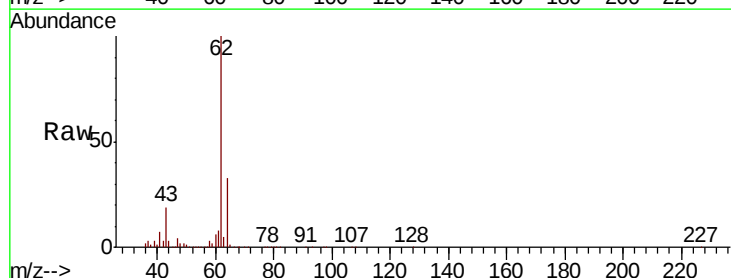
Acq: 27 Jun 2019 19:36

Tgt Ion: 62 Resp: 99002

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 49.223 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

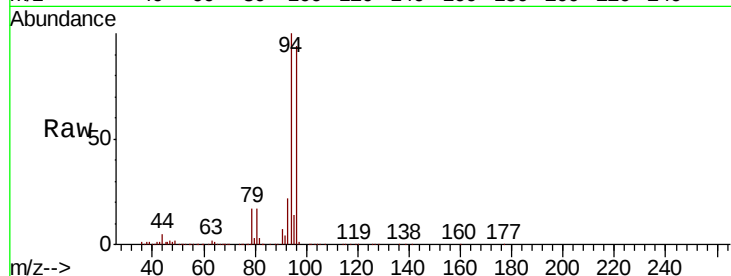
ClientSampleId :

Tot Ion: 94 Resp: 52292

Ion Ratio Lower Upper

94 100

96 94.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

60000

50000

40000

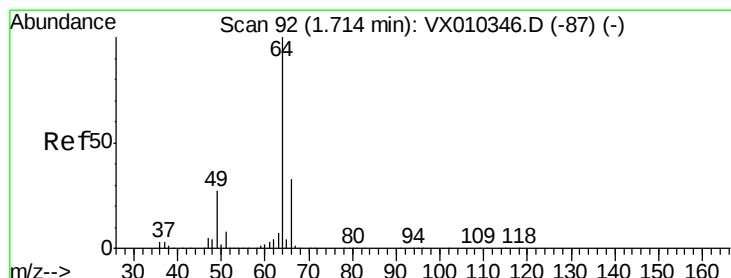
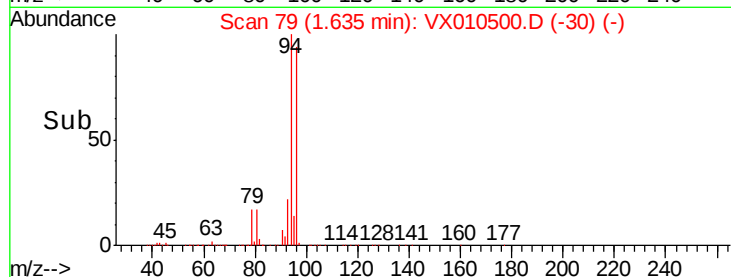
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 49.275 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010500.D

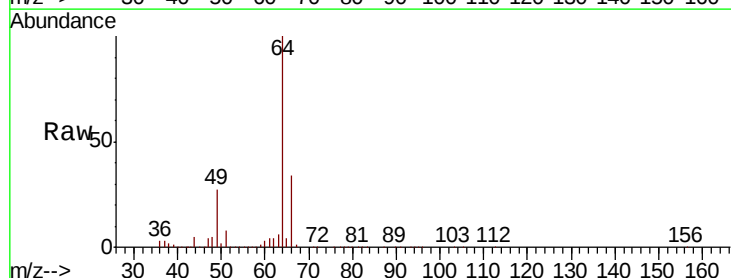
Acq: 27 Jun 2019 19:36

Tgt Ion: 64 Resp: 63393

Ion Ratio Lower Upper

64 100

66 34.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

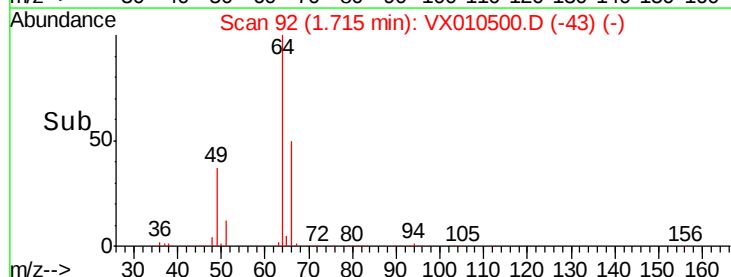
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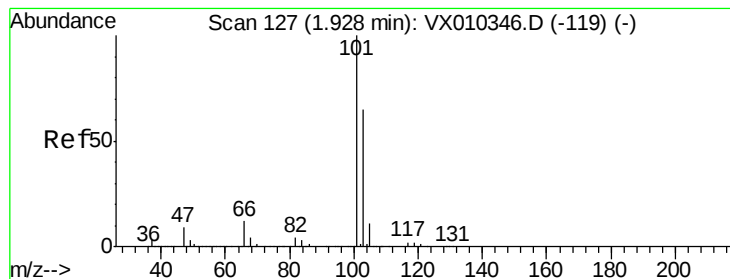
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Time-->



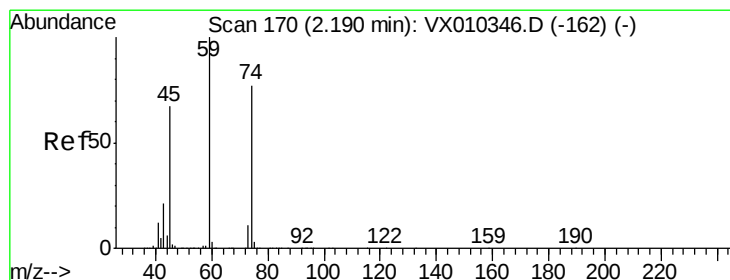
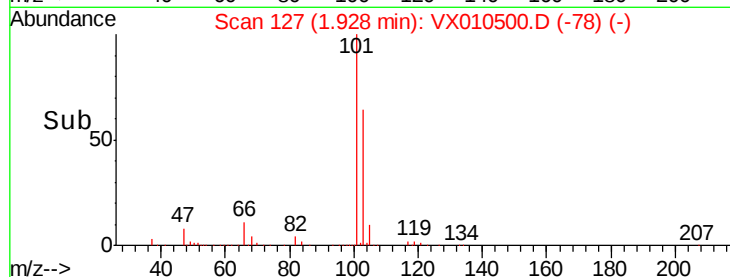
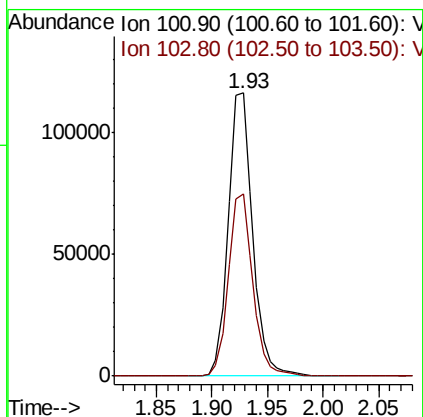
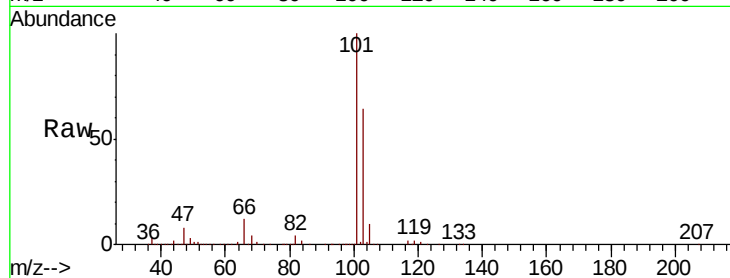


#7

Trichlorofluoromethane
Concen: 51.098 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

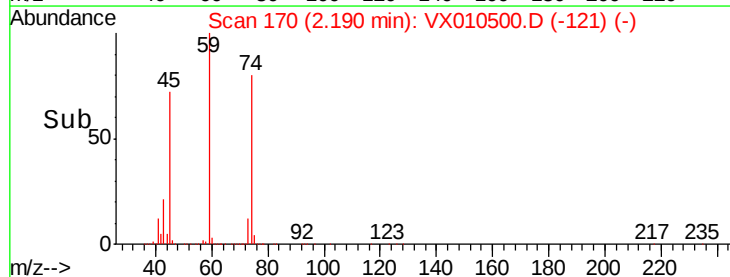
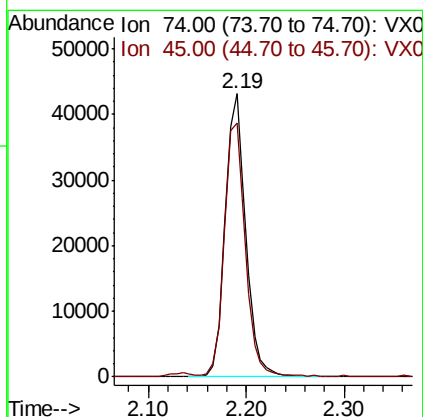
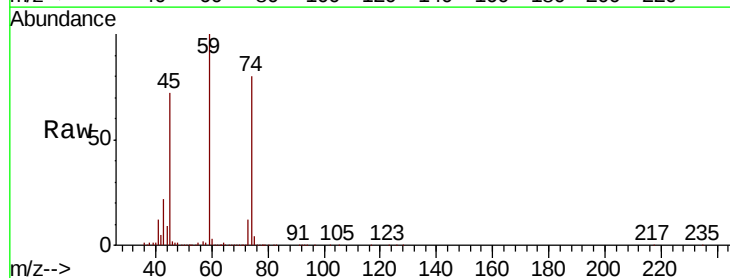
Tot Ion:101 Resp: 176634
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5



#8

Diethyl Ether
Concen: 50.919 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion: 74 Resp: 63122
Ion Ratio Lower Upper
74 100
45 90.9 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.531 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

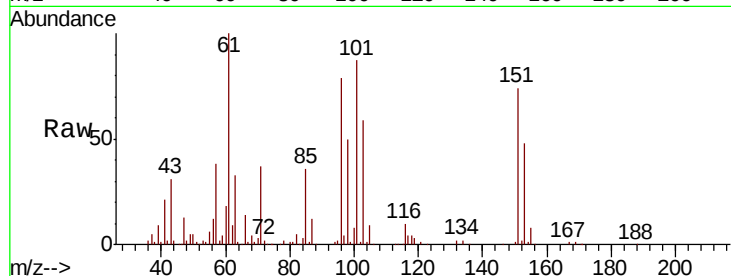
Tot Ion:101 Resp: 101665

Ion Ratio Lower Upper

101 100

85 41.0 33.7 50.5

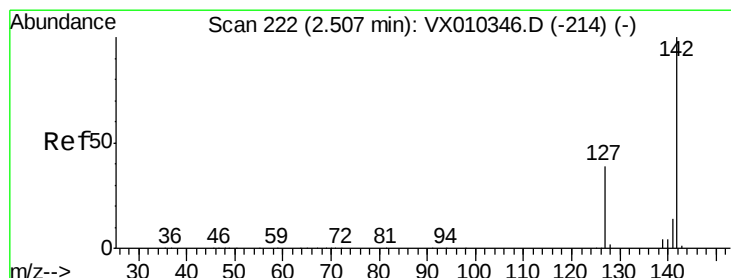
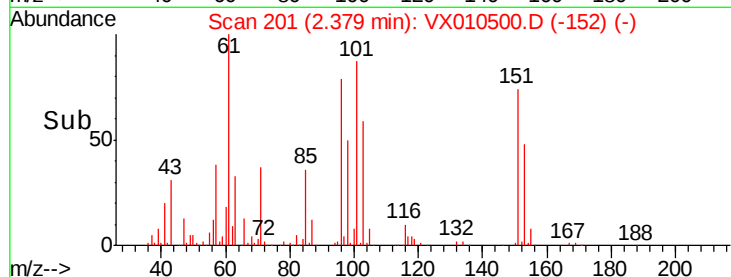
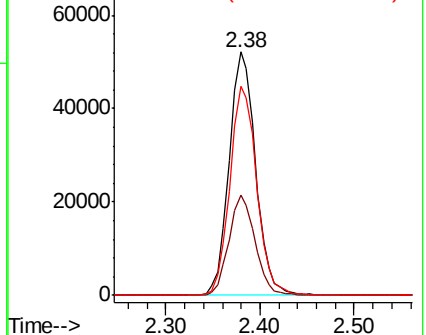
151 87.2 70.1 105.1



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: 51.914 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

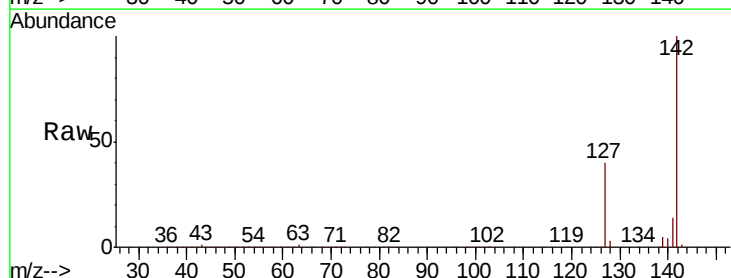
Tgt Ion:142 Resp: 155202

Ion Ratio Lower Upper

142 100

127 40.1 31.1 46.7

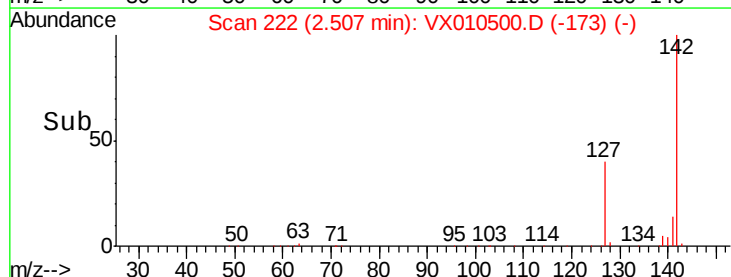
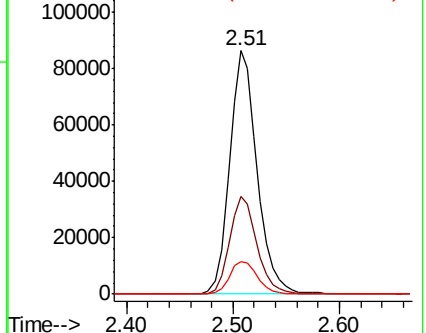
141 14.2 11.2 16.8



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



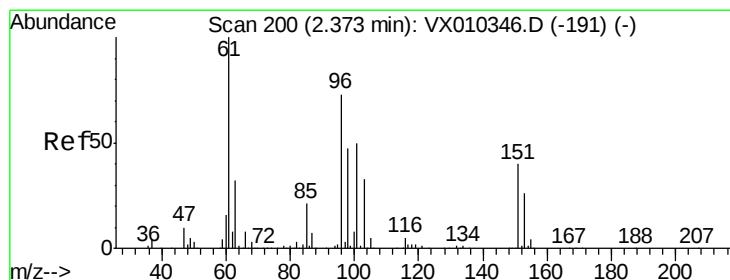
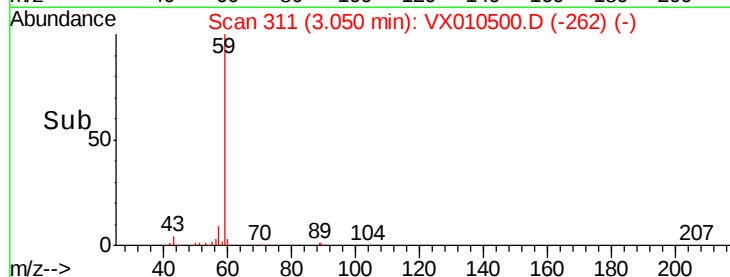
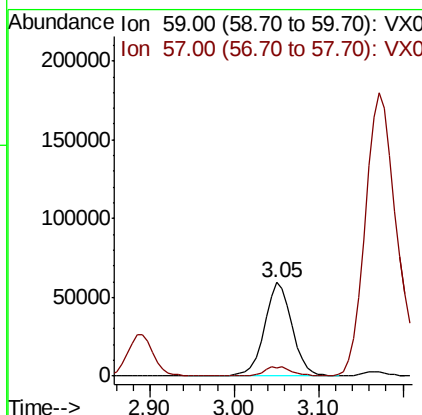
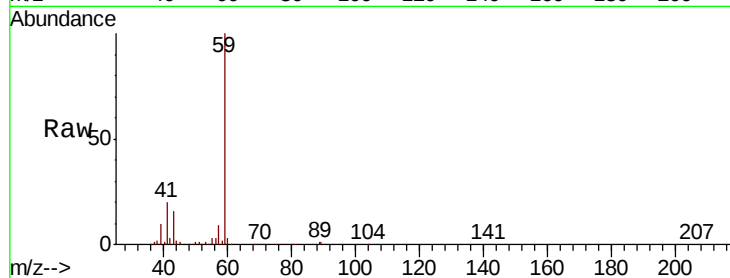


#11

Tert butyl alcohol
Concen: 222.828 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

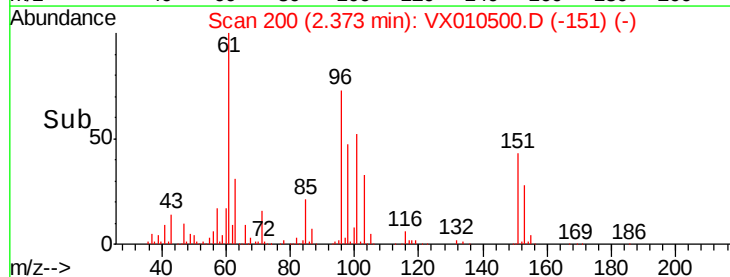
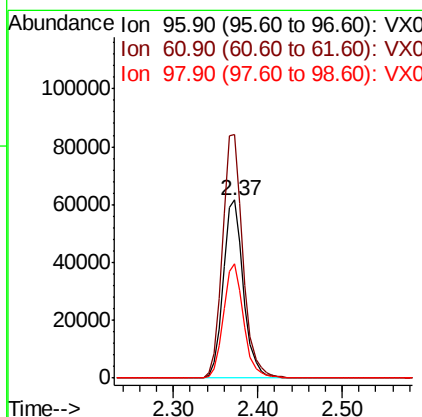
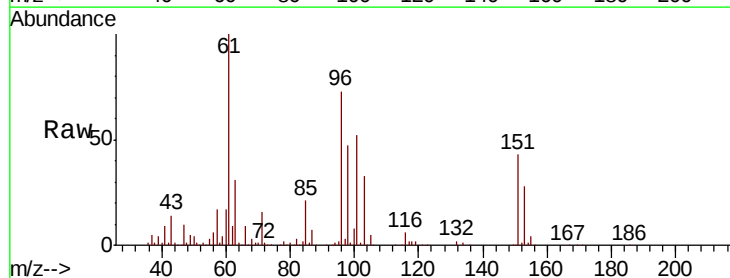
Tot Ion: 59 Resp: 134443
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

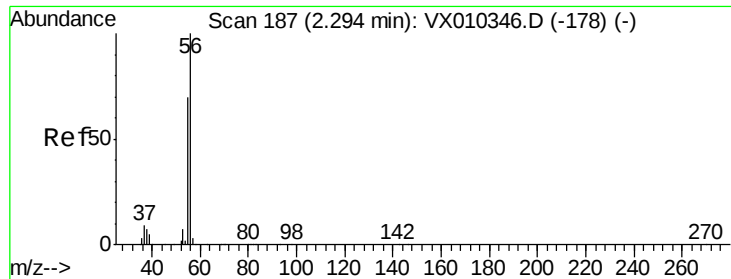


#12

1,1-Dichloroethene
Concen: 47.968 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion: 96 Resp: 102250
Ion Ratio Lower Upper
96 100
61 136.8 109.2 163.8
98 64.5 51.1 76.7





#13

Acrolein

Concen: 207.045 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

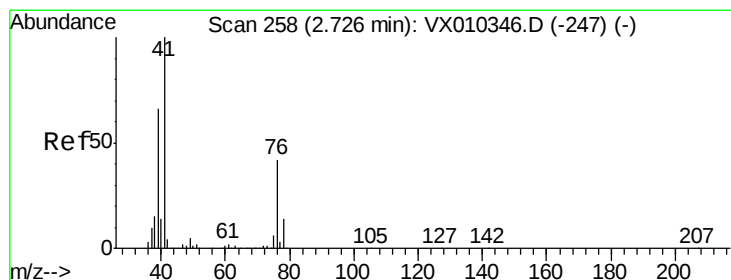
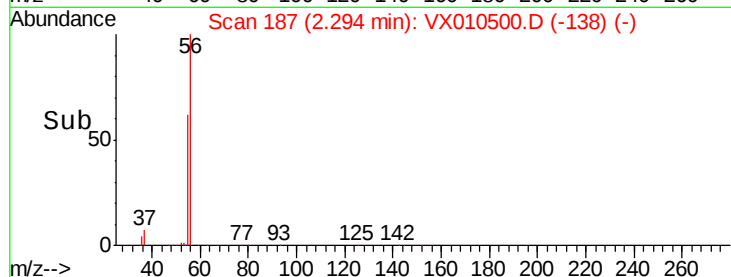
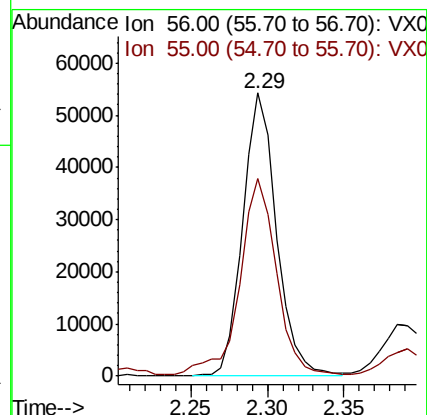
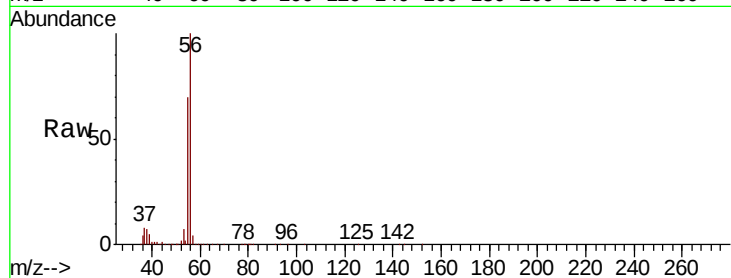
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 82869

Ion Ratio Lower Upper

56 100

55 74.9 56.9 85.3



#14

Allyl chloride

Concen: 49.418 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

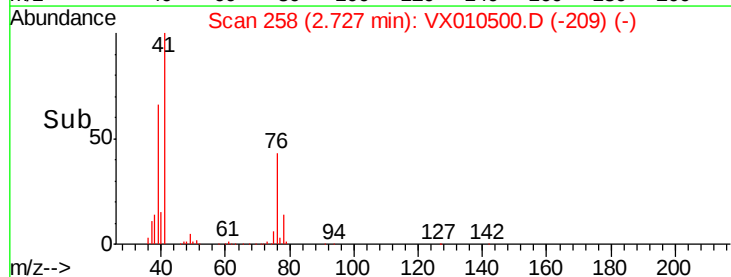
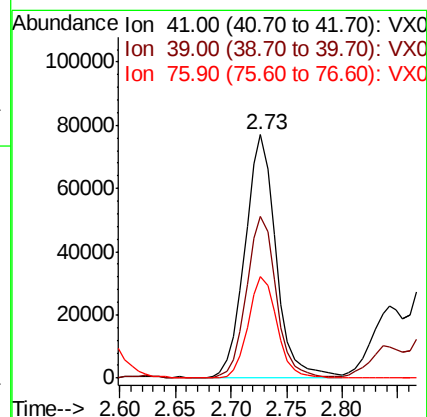
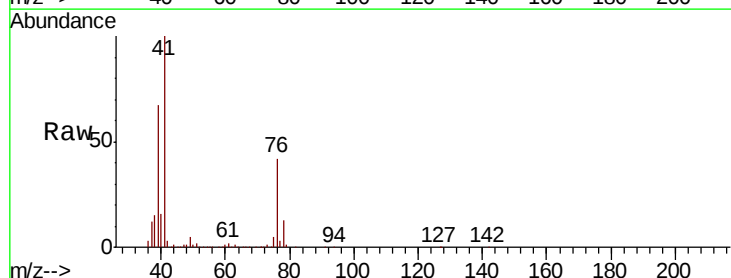
Tgt Ion: 41 Resp: 149553

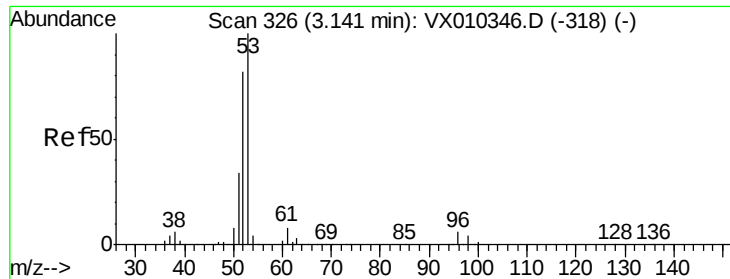
Ion Ratio Lower Upper

41 100

39 63.3 50.3 75.5

76 38.9 31.3 46.9





#15

Acrylonitrile

Concen: 270.136 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampled :

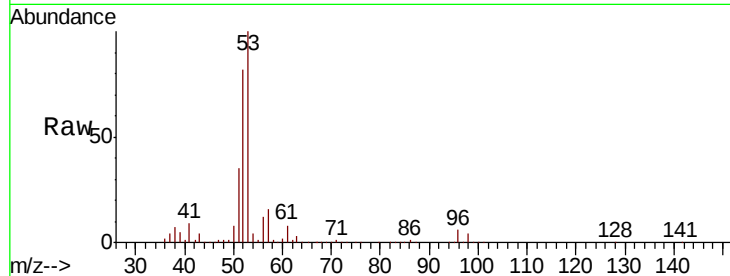
Tot Ion: 53 Resp: 322694

Ion Ratio Lower Upper

53 100

52 79.2 65.5 98.3

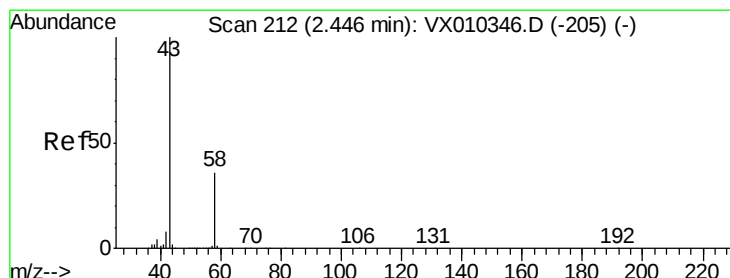
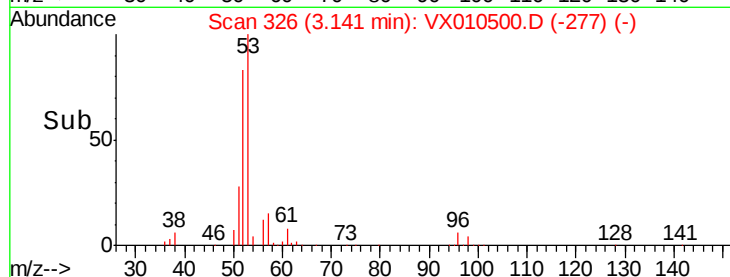
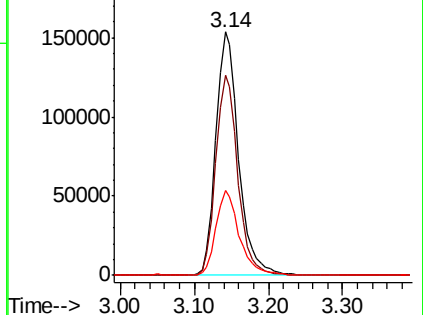
51 36.1 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 212.474 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010500.D

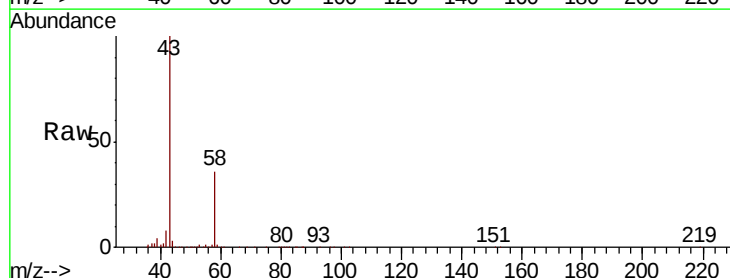
Acq: 27 Jun 2019 19:36

Tgt Ion: 43 Resp: 245532

Ion Ratio Lower Upper

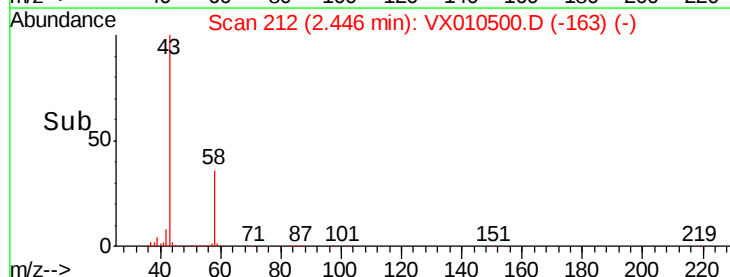
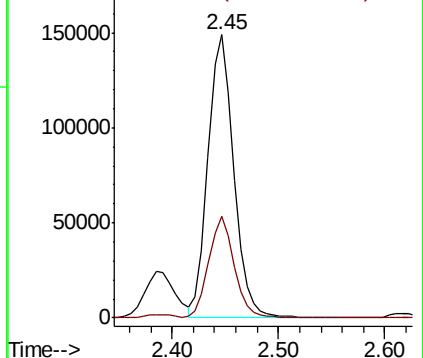
43 100

58 36.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 43.001 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

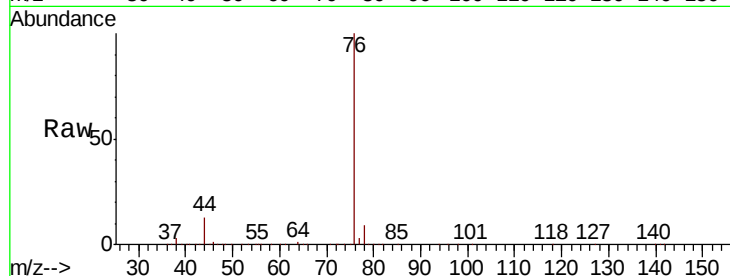
ClientSampleId :

Tot Ion: 76 Resp: 245913

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

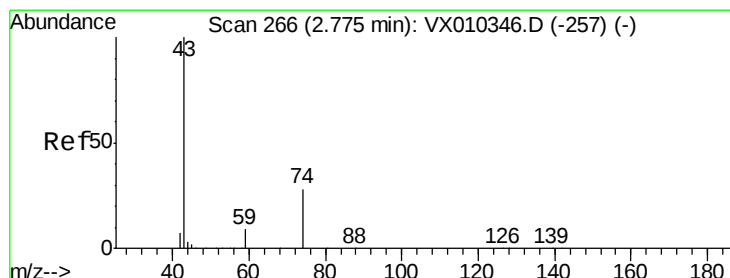
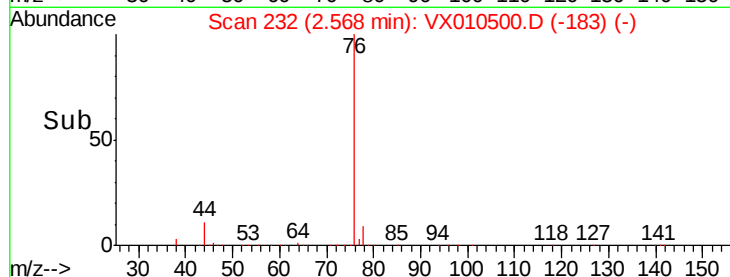
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 48.515 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010500.D

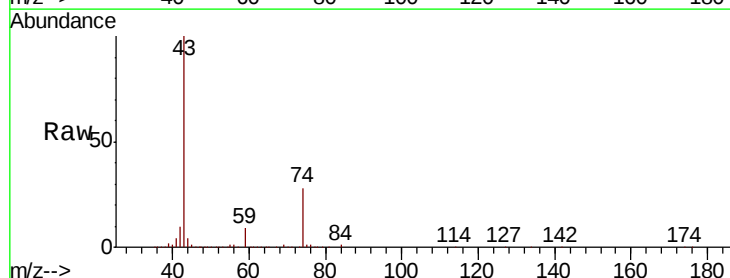
Acq: 27 Jun 2019 19:36

Tgt Ion: 43 Resp: 111737

Ion Ratio Lower Upper

43 100

74 28.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

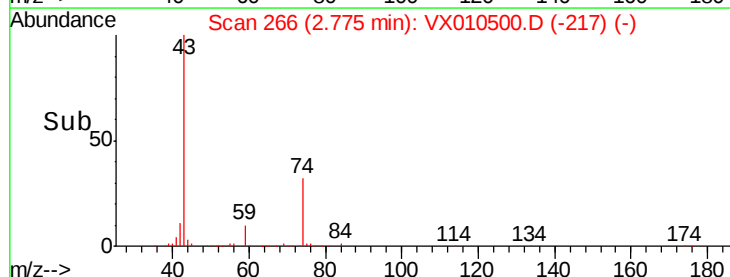
40000

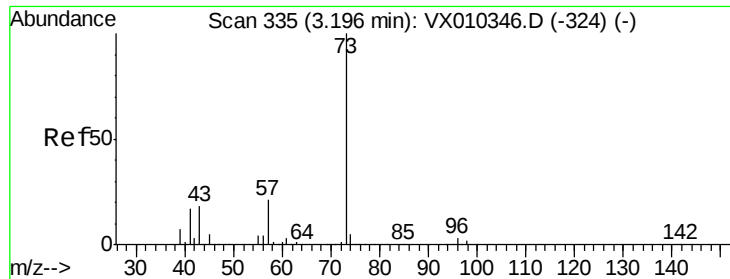
20000

0

Time-->

2.70 2.75 2.80

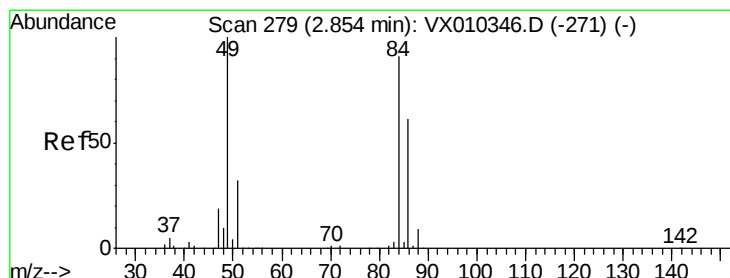
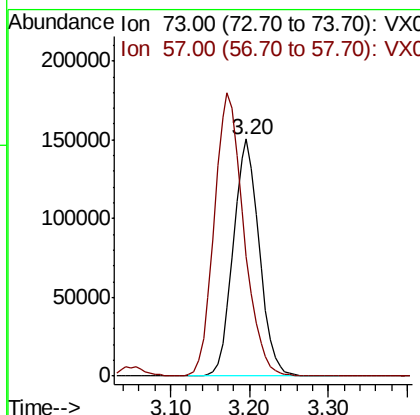
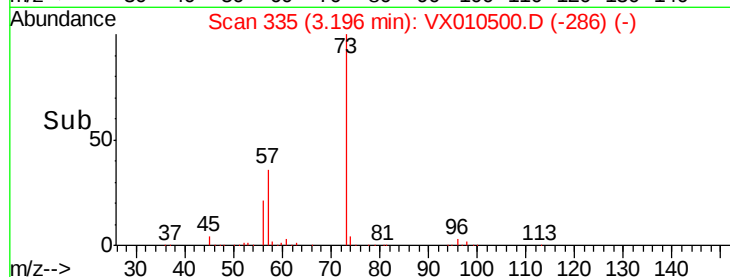
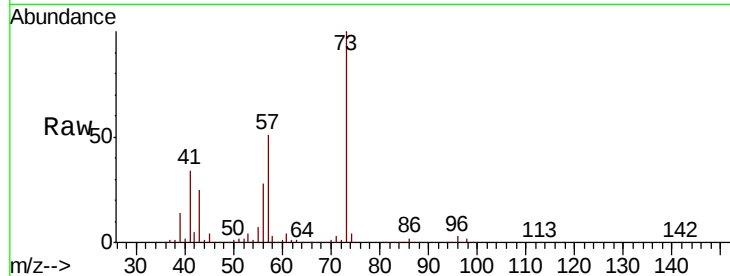




#19
Methyl tert-butyl Ether
Concen: 51.494 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

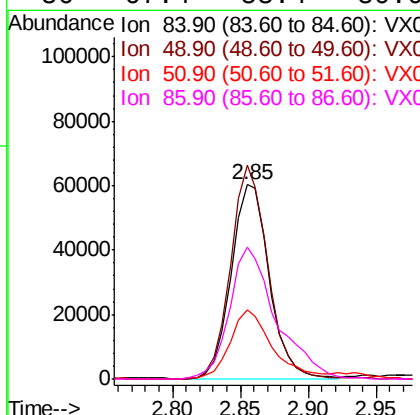
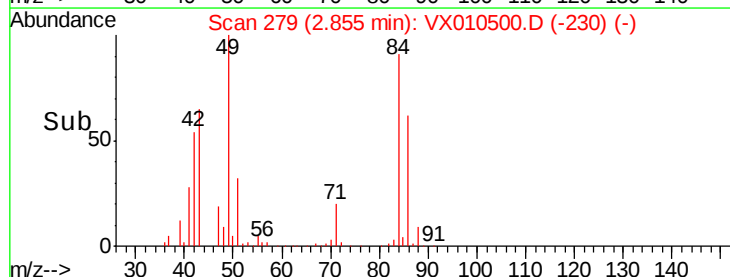
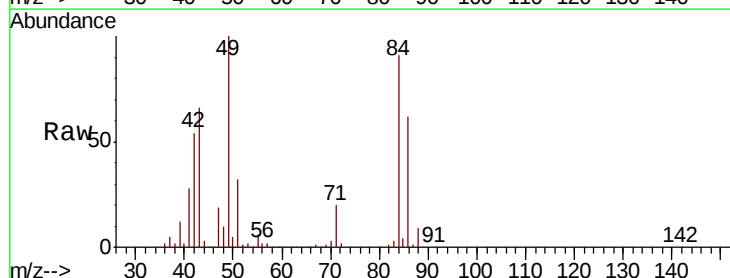
Instrument :
MSVOA_X
ClientSampleId :

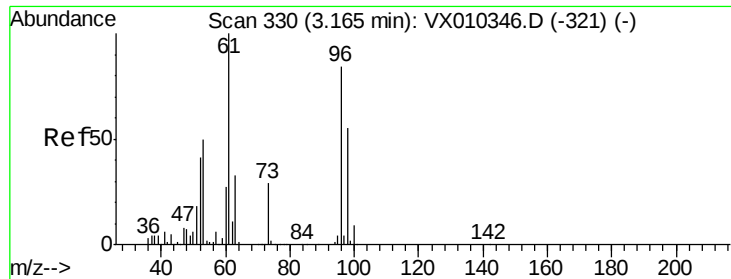
Tot Ion: 73 Resp: 345314
Ion Ratio Lower Upper
73 100
57 50.6 16.4 24.6#



#20
Methylene Chloride
Concen: 49.322 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion: 84 Resp: 117294
Ion Ratio Lower Upper
84 100
49 110.2 87.5 131.3
51 35.1 27.7 41.5
86 67.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.422 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

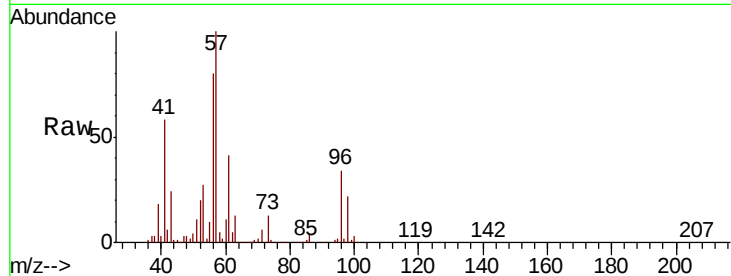
Tot Ion: 96 Resp: 108719

Ion Ratio Lower Upper

96 100

61 120.1 95.6 143.4

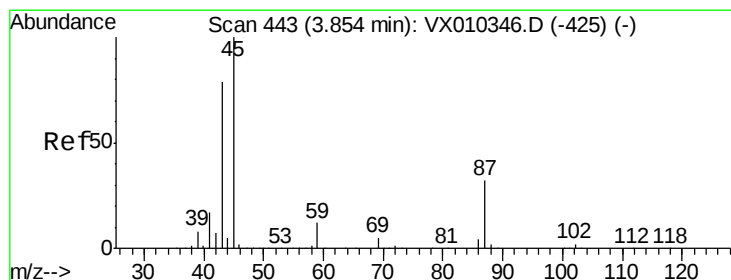
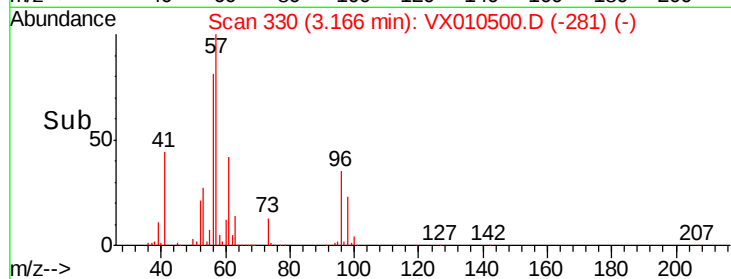
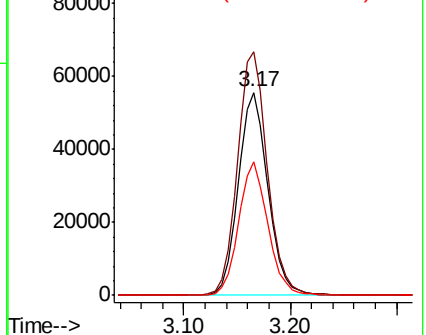
98 65.9 52.5 78.7



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.679 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Tgt Ion: 45 Resp: 320662

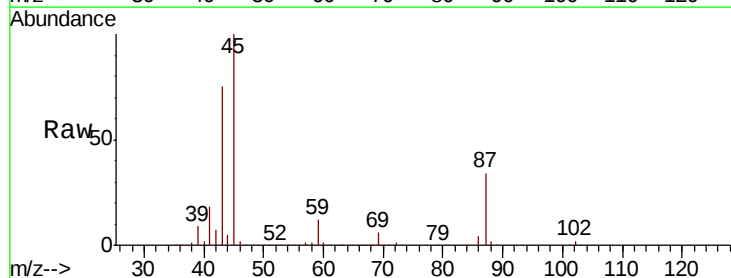
Ion Ratio Lower Upper

45 100

43 74.3 63.3 94.9

87 33.6 25.8 38.8

59 11.8 9.6 14.4

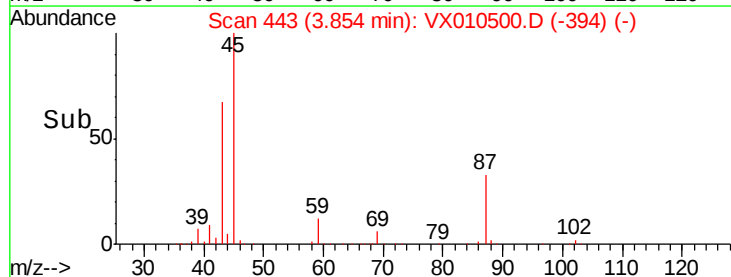
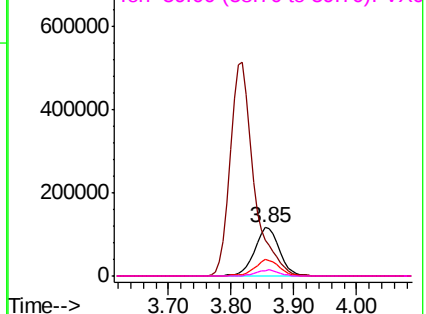


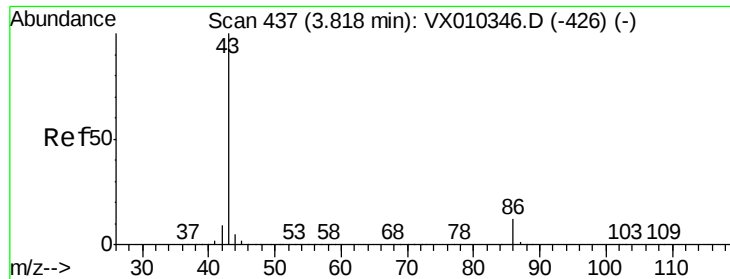
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 245.568 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

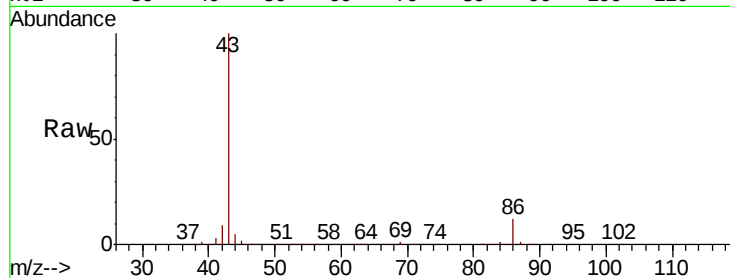
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1342291

Ion Ratio Lower Upper

43 100

86 12.1 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

500000

400000

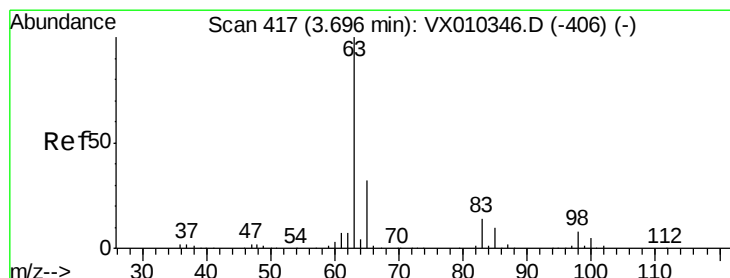
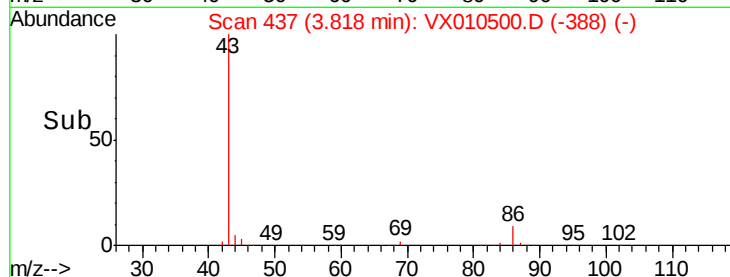
300000

200000

100000

0

Time--> 3.60 3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 50.520 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

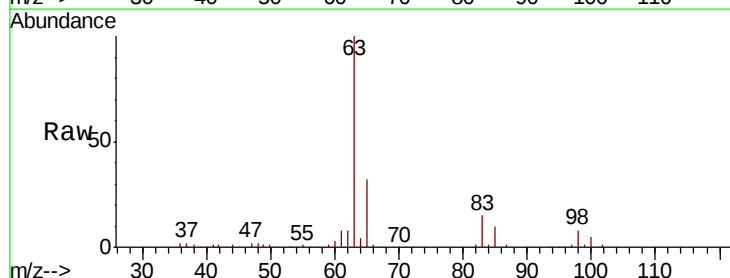
Tgt Ion: 63 Resp: 184770

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 5.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

100000

80000

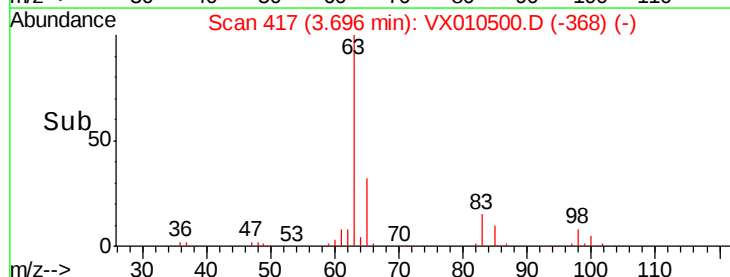
60000

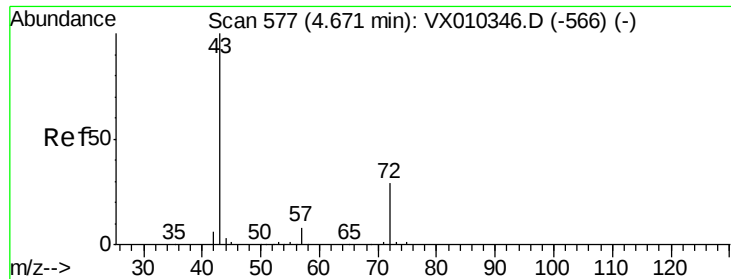
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 243.846 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

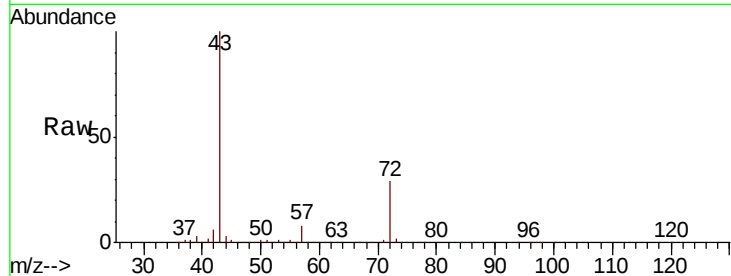
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 413344

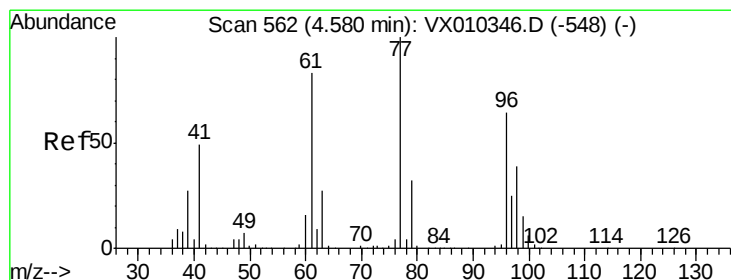
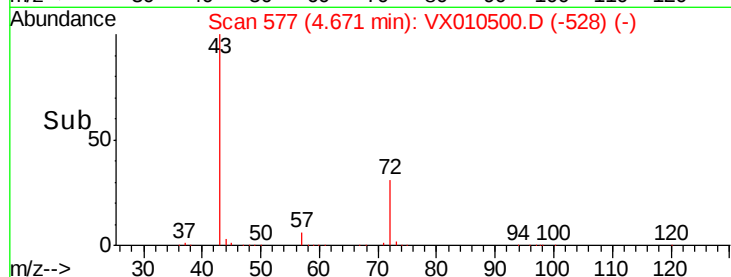
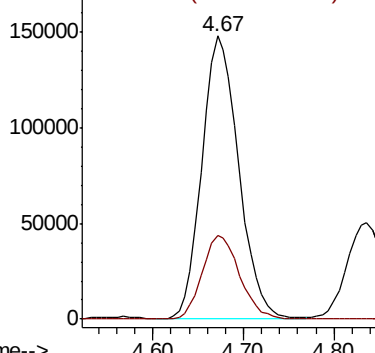
Ion Ratio Lower Upper

43 100

72 29.3 23.3 34.9



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



#26

2,2-Dichloropropane

Concen: 41.273 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010500.D

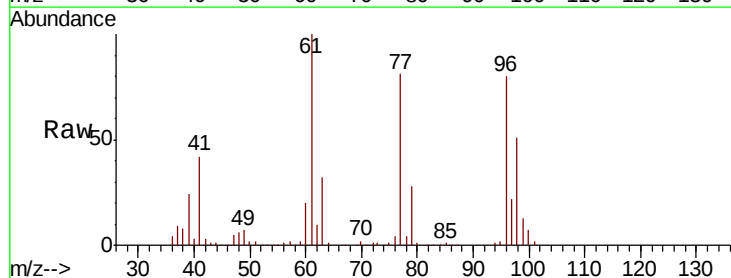
Acq: 27 Jun 2019 19:36

Tgt Ion: 77 Resp: 131129

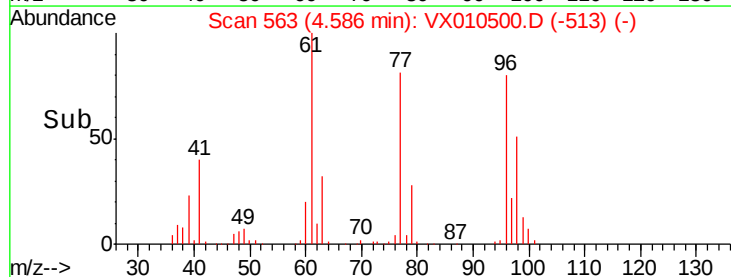
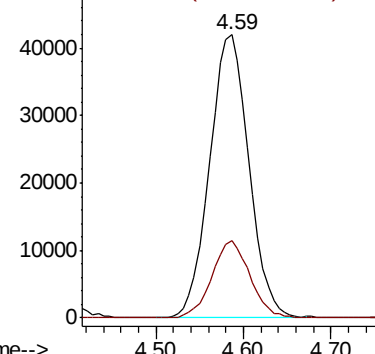
Ion Ratio Lower Upper

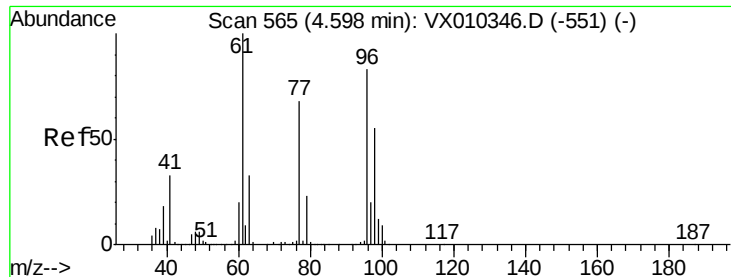
77 100

97 26.3 13.1 39.3



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



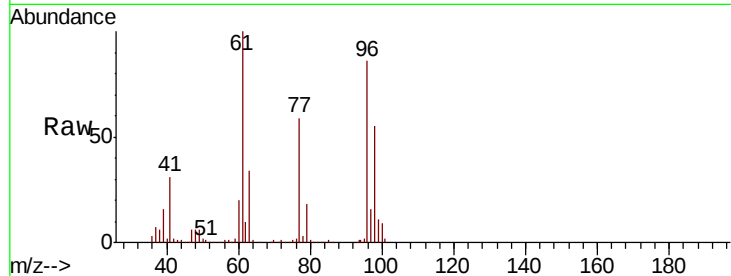


#27

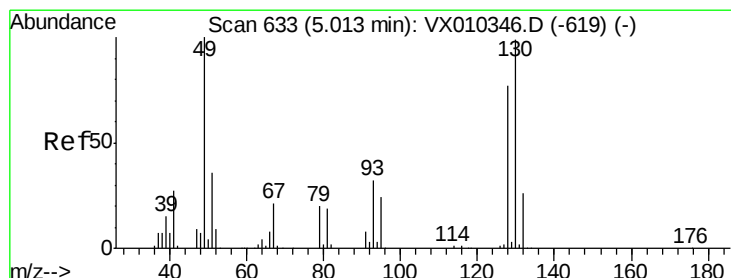
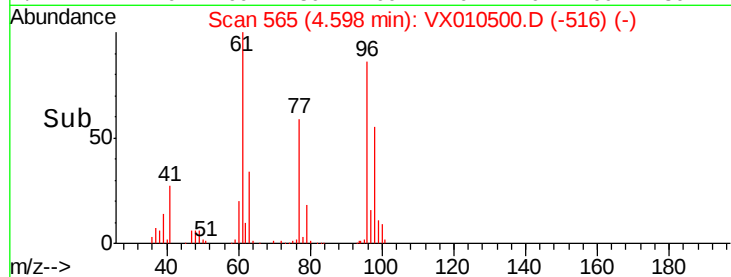
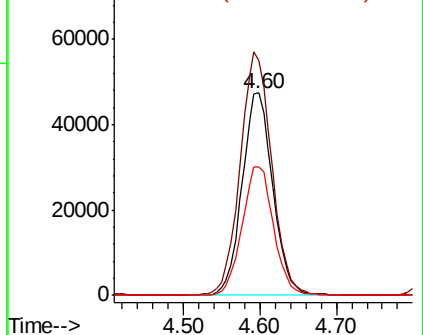
cis-1,2-Dichloroethene
 Concen: 49.963 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.6	0.0	251.8
98	65.6	0.0	129.4



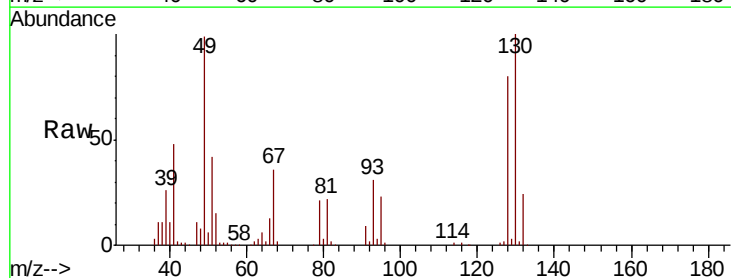
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



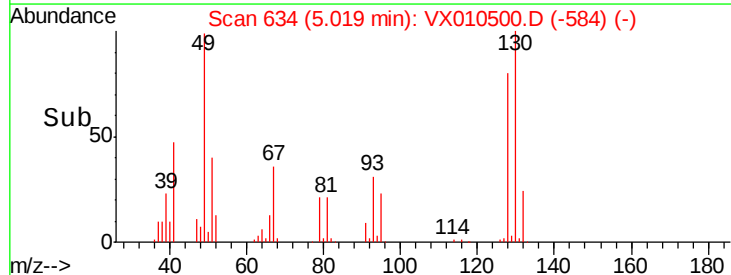
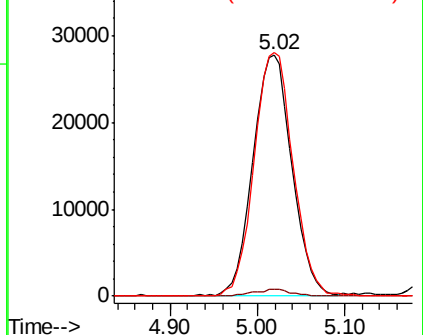
#28

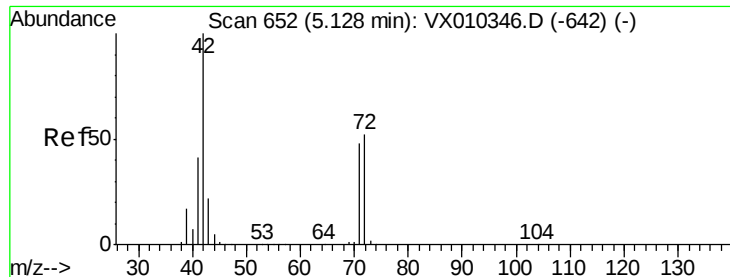
Bromochloromethane
 Concen: 48.995 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	101.4	81.4	122.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.094 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

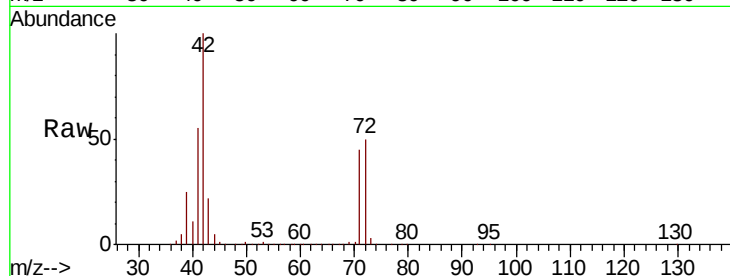
Tot Ion: 42 Resp: 273088

Ion Ratio Lower Upper

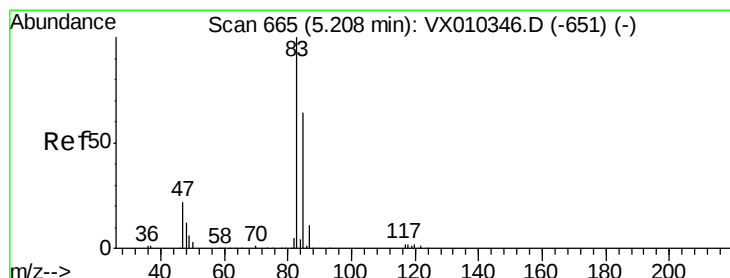
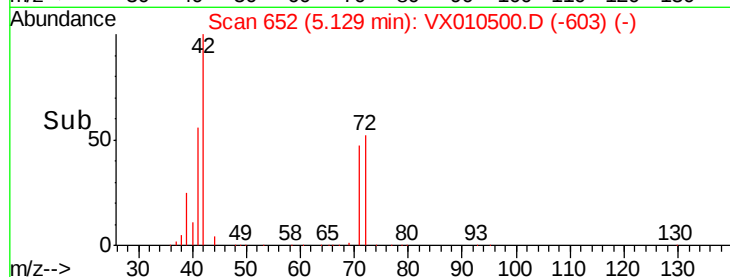
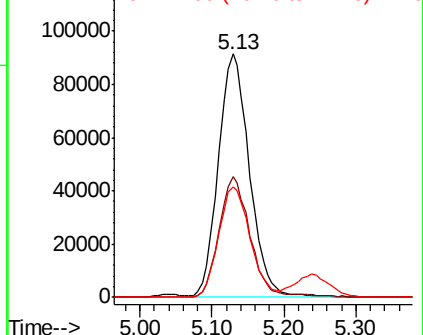
42 100

72 50.4 40.6 60.8

71 46.5 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.926 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010500.D

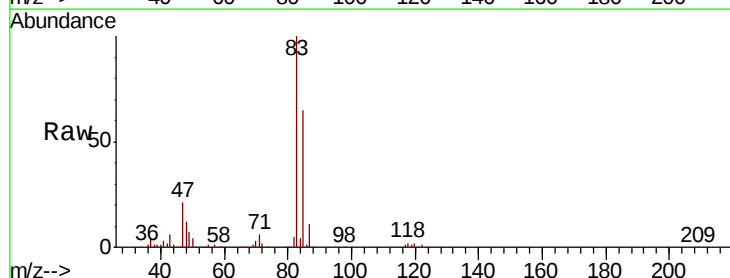
Acq: 27 Jun 2019 19:36

Tgt Ion: 83 Resp: 200402

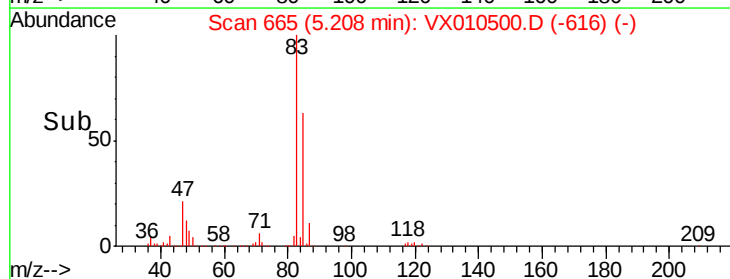
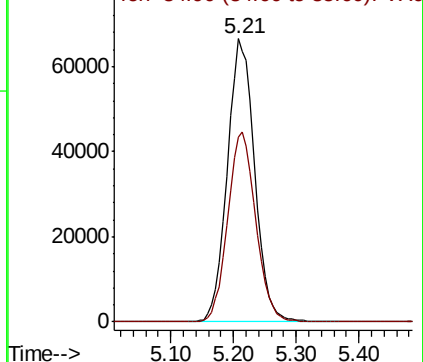
Ion Ratio Lower Upper

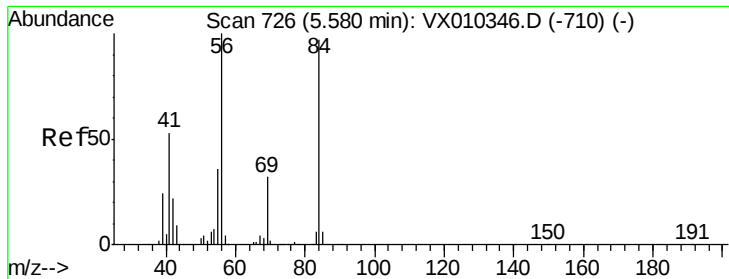
83 100

85 65.4 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 141.598 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

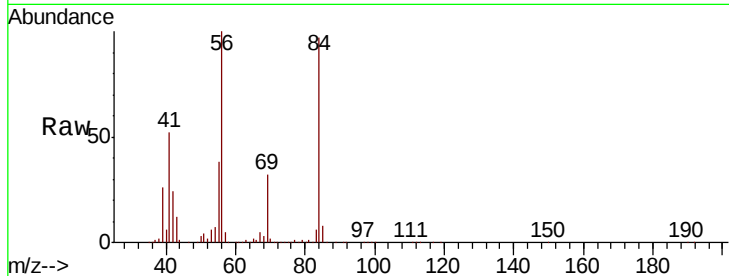
Tot Ion: 56 Resp: 471600

Ion Ratio Lower Upper

56 100

69 31.4 25.9 38.9

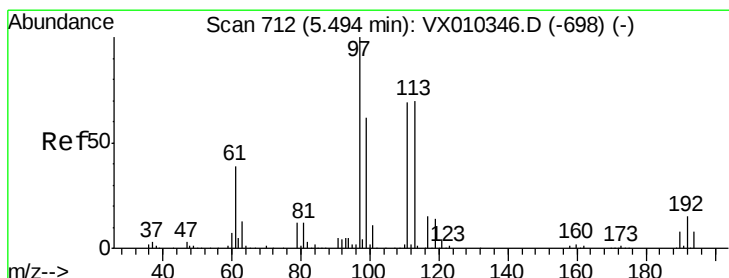
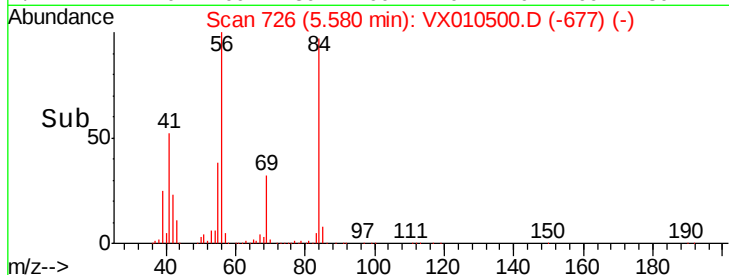
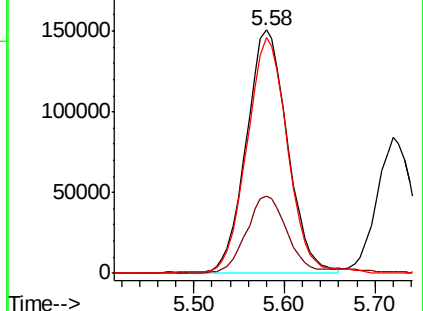
84 96.4 78.0 117.0



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: 50.408 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

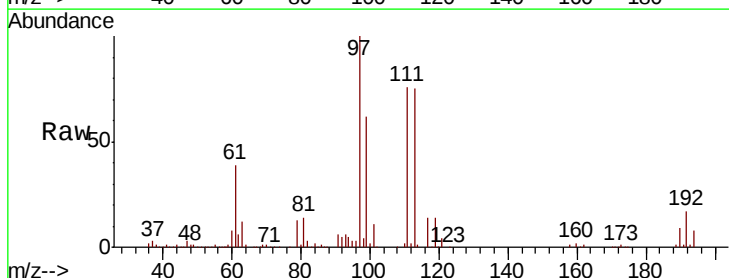
Tgt Ion: 97 Resp: 175152

Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

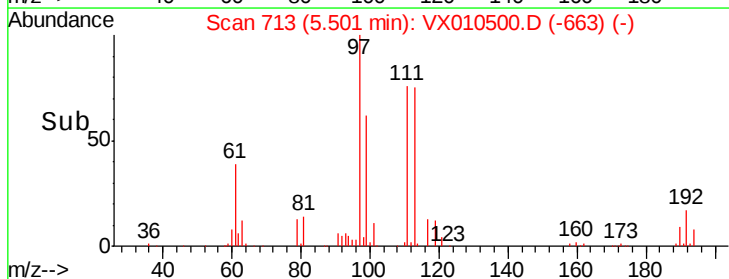
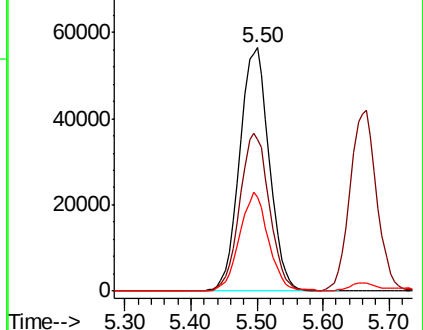
61 39.8 32.1 48.1

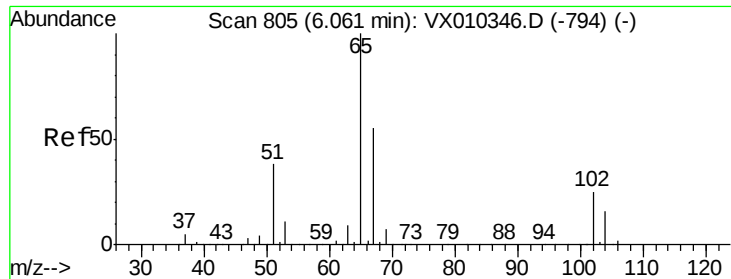


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

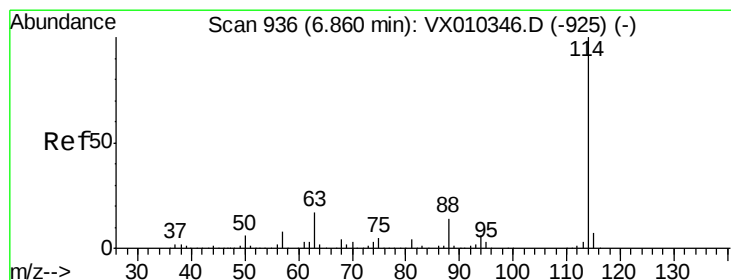
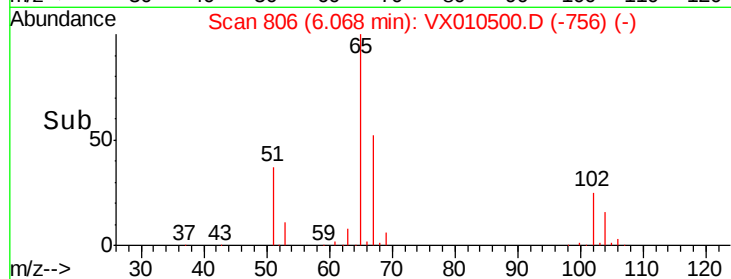
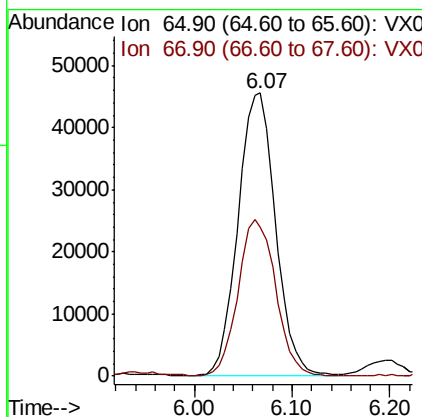
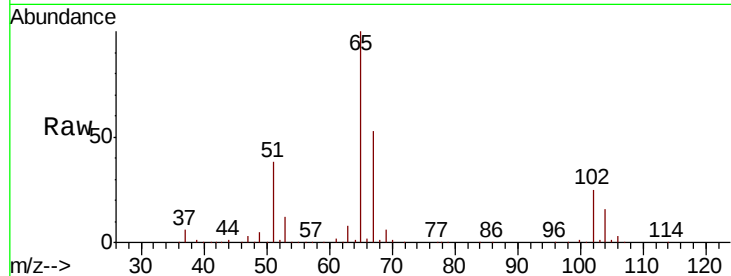




#33
 1,2-Dichloroethane-d4
 Concen: 52.847 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

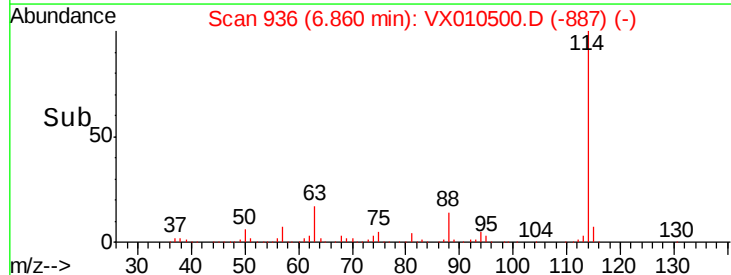
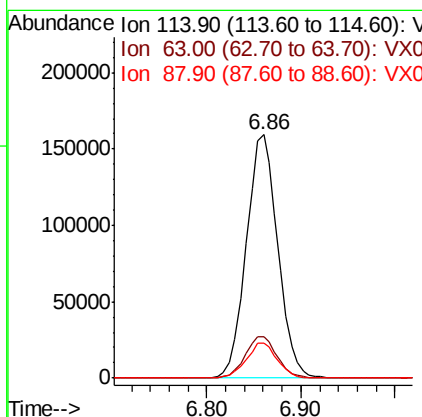
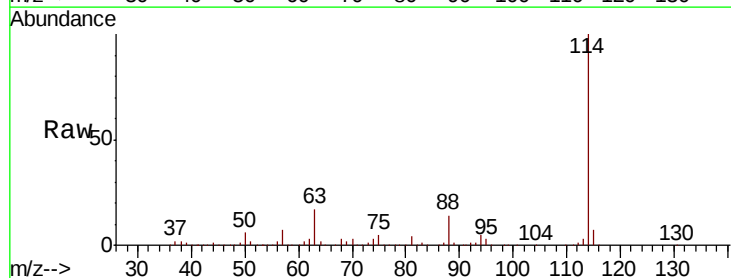
Instrument :
 MSVOA_X
 ClientSampled :

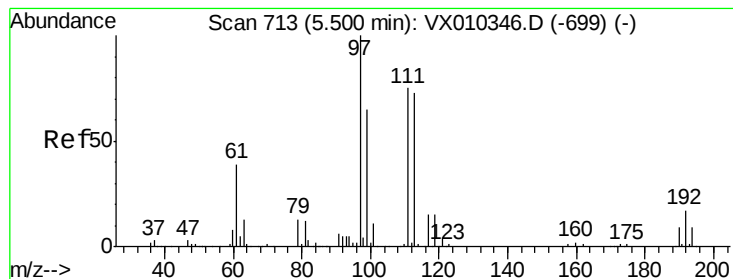
Tot Ion: 65 Resp: 121853
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Tgt Ion: 114 Resp: 373546
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 33.8
 88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 52.401 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

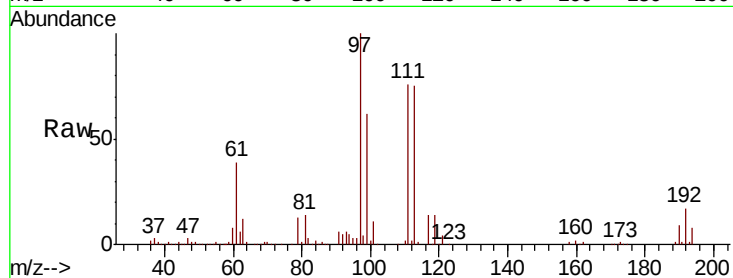
Tot Ion:113 Resp: 119762

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

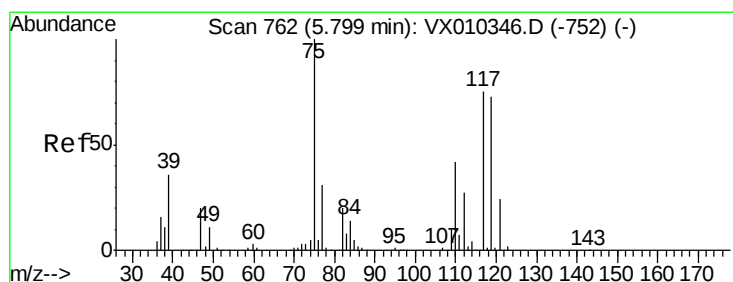
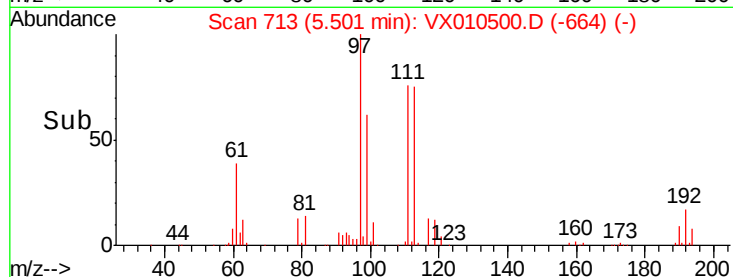
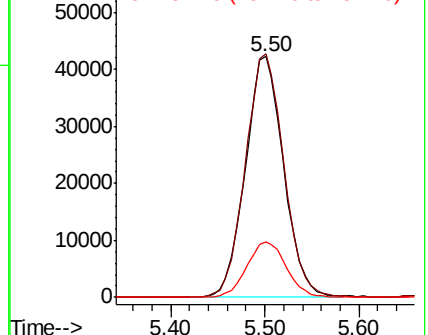
192 23.9 18.6 27.8



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: 47.182 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

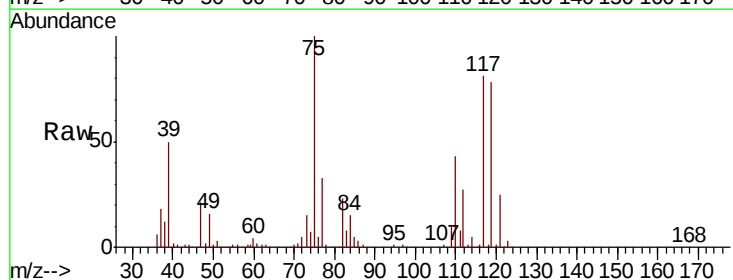
Tgt Ion: 75 Resp: 140056

Ion Ratio Lower Upper

75 100

110 41.6 20.8 62.2

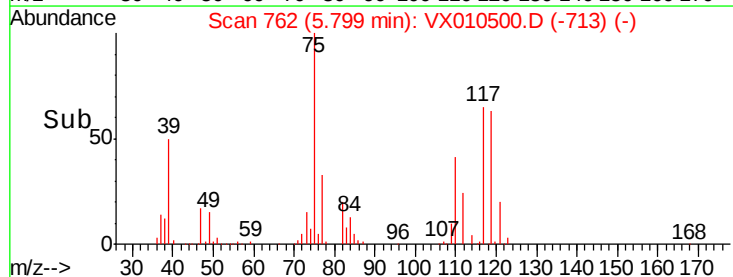
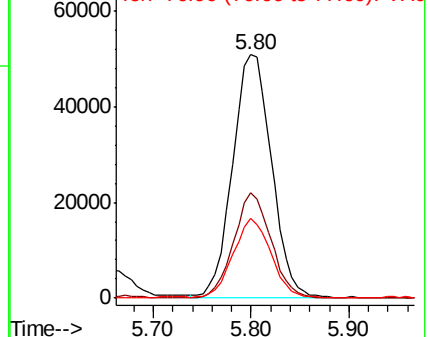
77 32.0 25.4 38.0

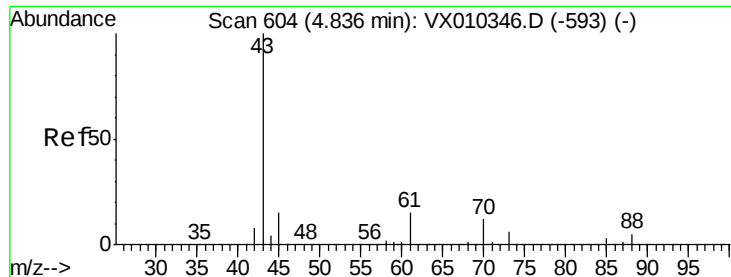


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 48.668 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

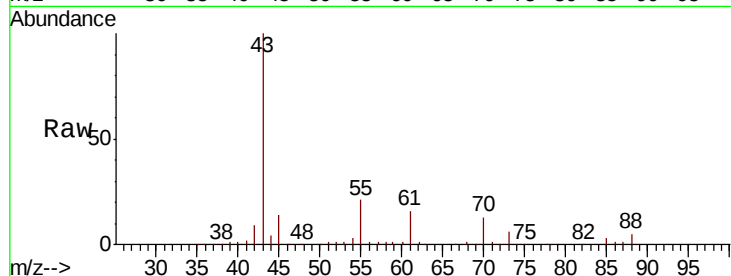
Tot Ion: 43 Resp: 148622

Ion Ratio Lower Upper

43 100

61 15.5 12.4 18.6

70 12.7 9.8 14.8

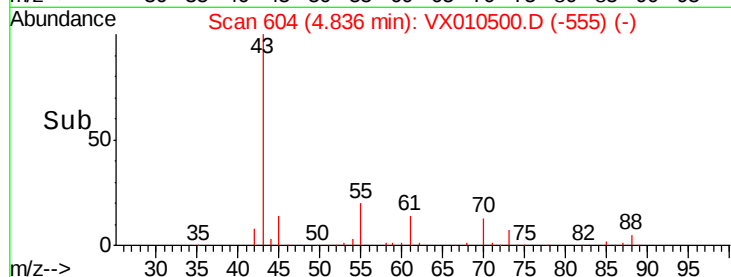


Abundance Ion 43.00 (42.70 to 43.70): VX010346.D (-593) (-)

Ion 60.90 (60.60 to 61.60): VX010346.D (-593) (-)

Ion 70.00 (69.70 to 70.70): VX010346.D (-593) (-)

Time-->

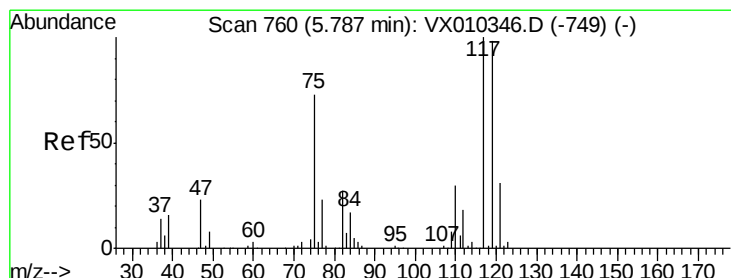


Abundance Ion 43.00 (42.70 to 43.70): VX010500.D (-555) (-)

Ion 60.90 (60.60 to 61.60): VX010500.D (-555) (-)

Ion 70.00 (69.70 to 70.70): VX010500.D (-555) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 48.351 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

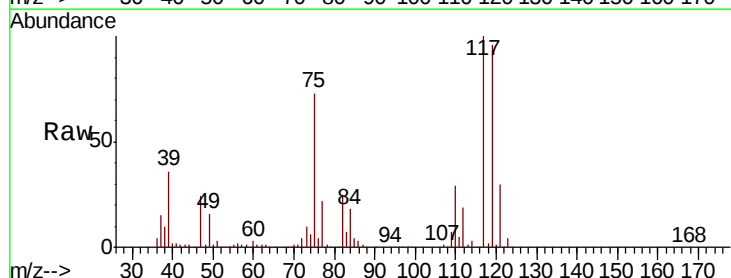
Tgt Ion: 117 Resp: 155418

Ion Ratio Lower Upper

117 100

119 96.0 78.2 117.4

121 30.1 24.7 37.1

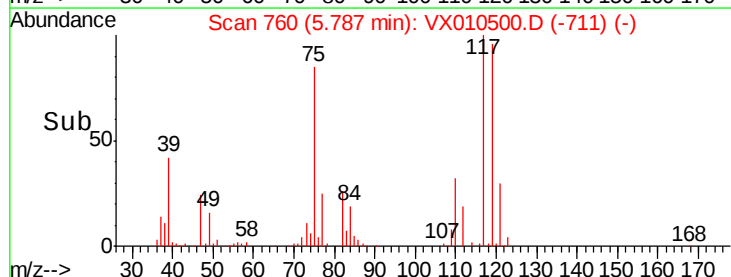


Abundance Ion 116.80 (116.50 to 117.50): VX010346.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX010346.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX010346.D (-749) (-)

Time-->

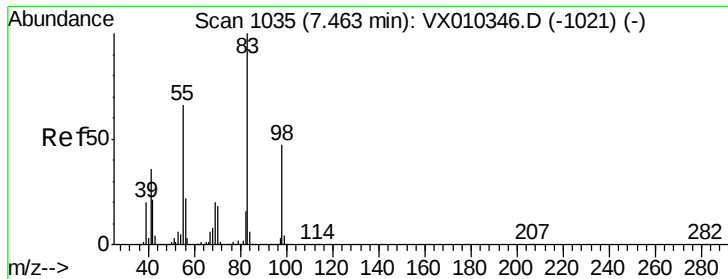


Abundance Ion 116.80 (116.50 to 117.50): VX010500.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX010500.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX010500.D (-711) (-)

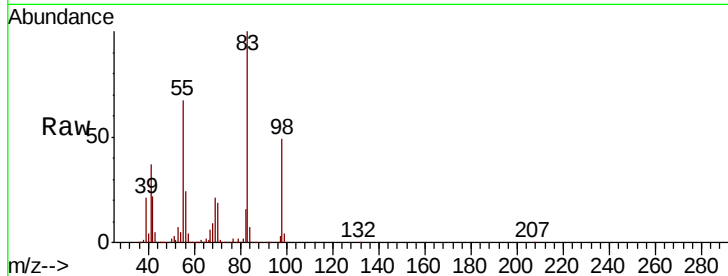
Time-->



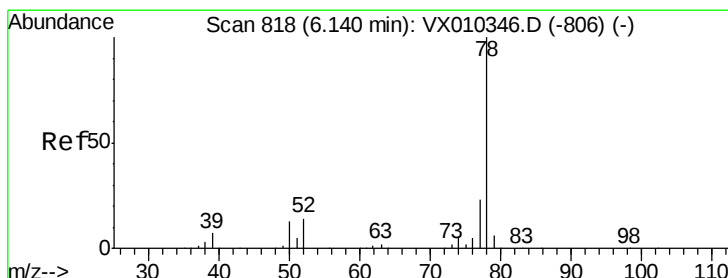
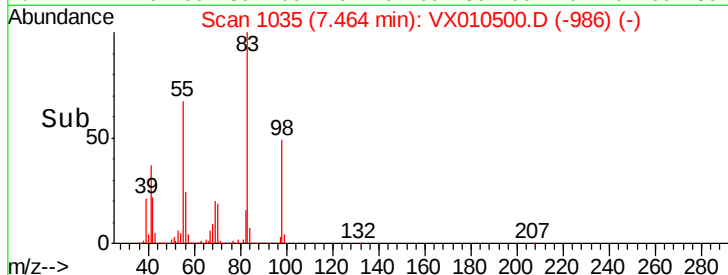
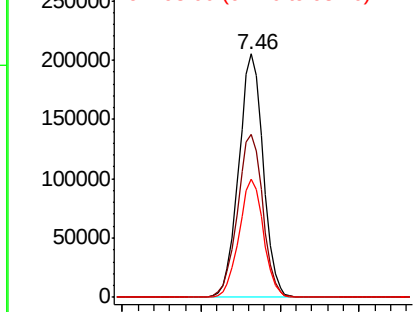
#39
Methvlcvclohexane
Concen: 113.228 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 441804
Ion Ratio Lower Upper
83 100
55 67.1 53.0 79.6
98 48.7 37.8 56.8

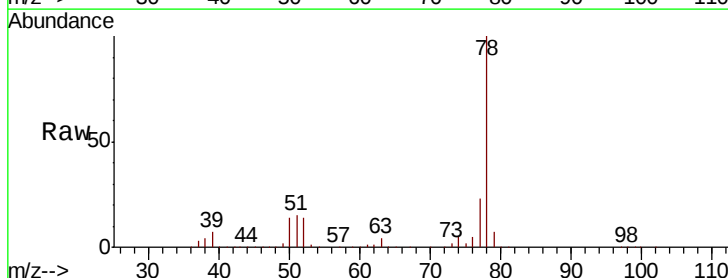


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

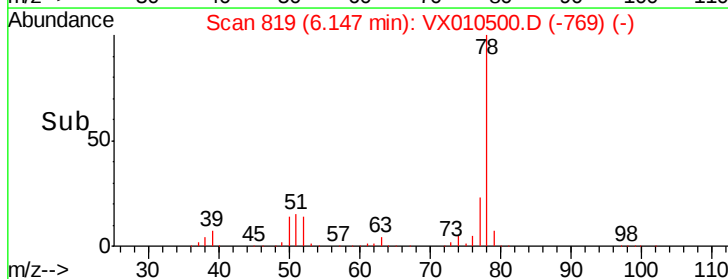
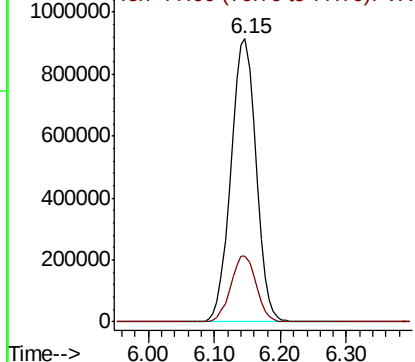


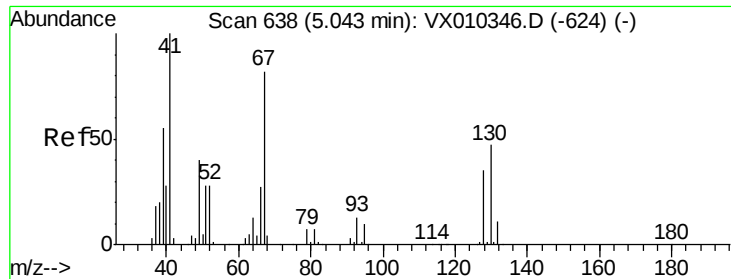
#40
Benzene
Concen: 260.569 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion: 78 Resp: 2409740
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0



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

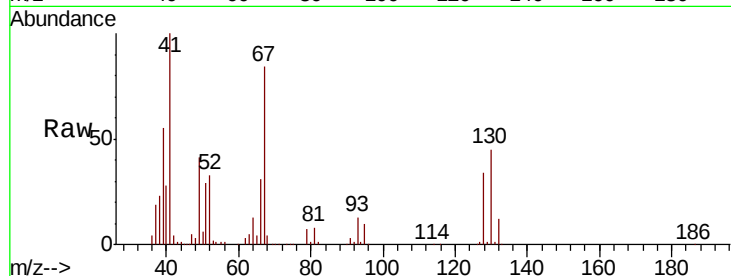




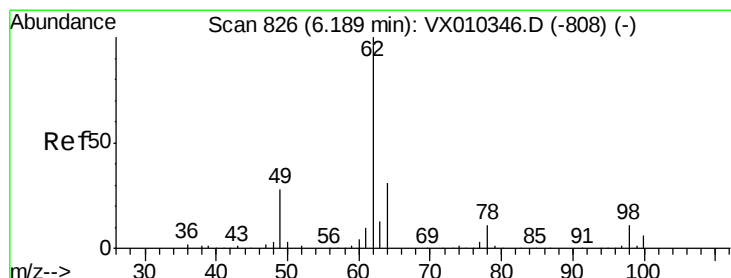
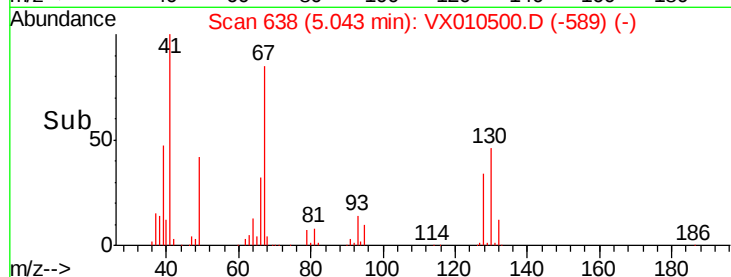
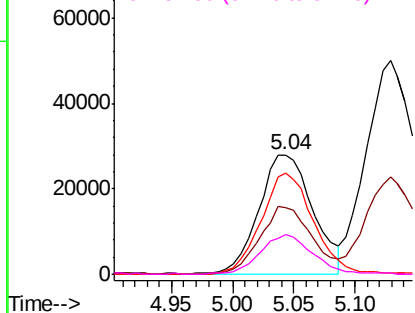
#41
Methacrylonitrile
Concen: 51.055 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	85546
Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.8	65.8
67	82.9	66.6	100.0
52	32.9	24.5	36.7

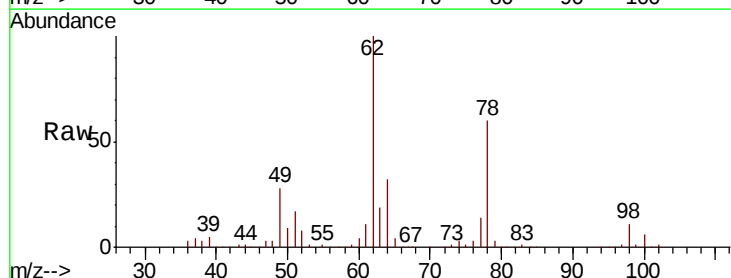


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

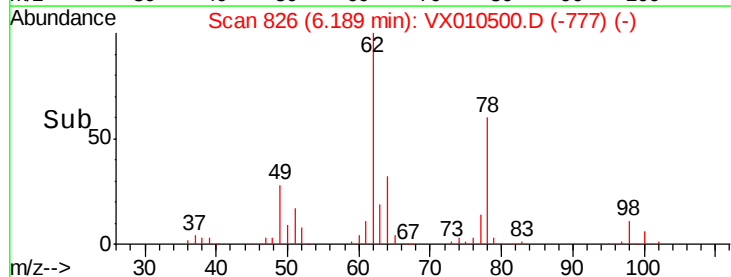
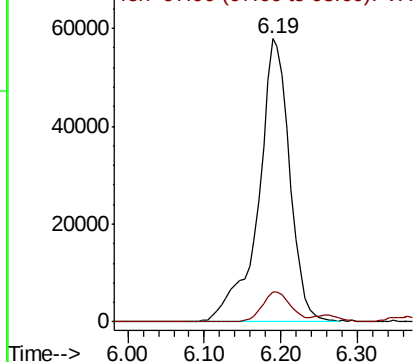


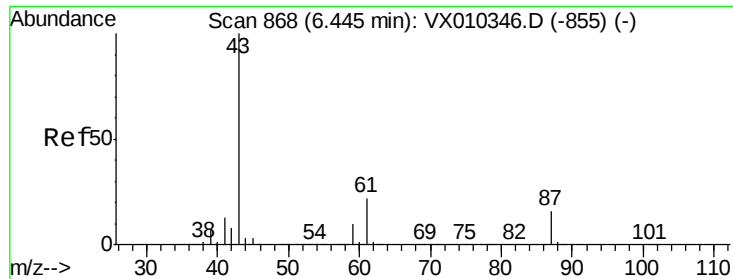
#42
1,2-Dichloroethane
Concen: 58.596 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion:	62	Resp:	164954
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



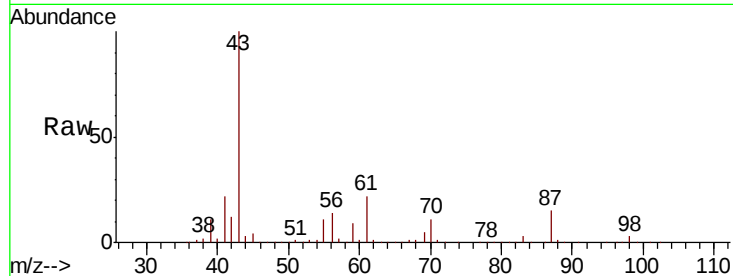


#43

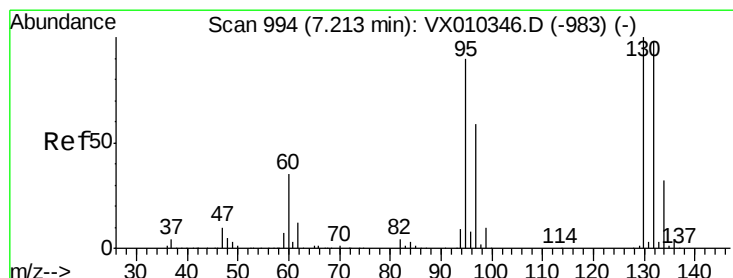
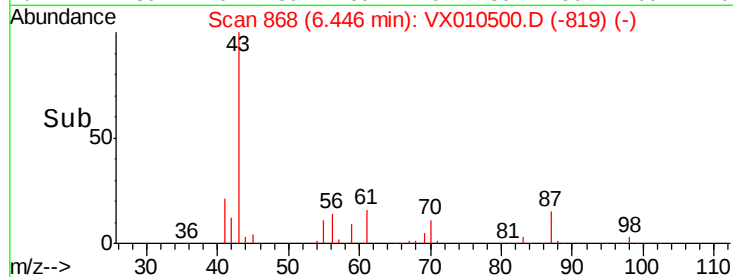
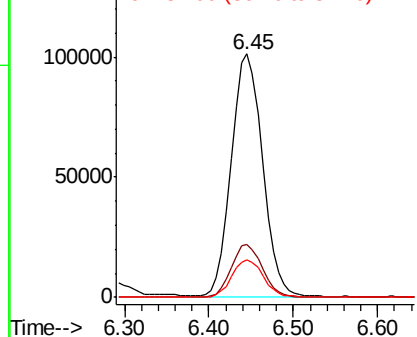
Isopropyl Acetate
 Concen: 50.437 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 254826
 Ion Ratio Lower Upper
 43 100
 61 21.8 17.8 26.6
 87 15.6 13.0 19.4



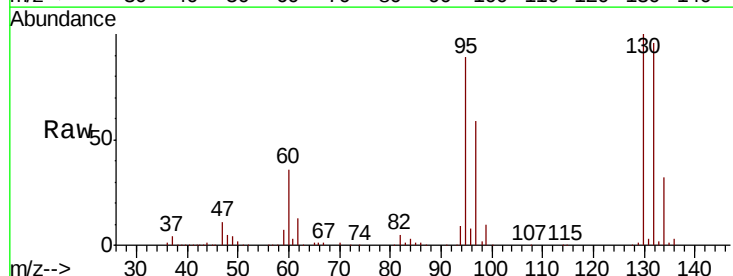
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



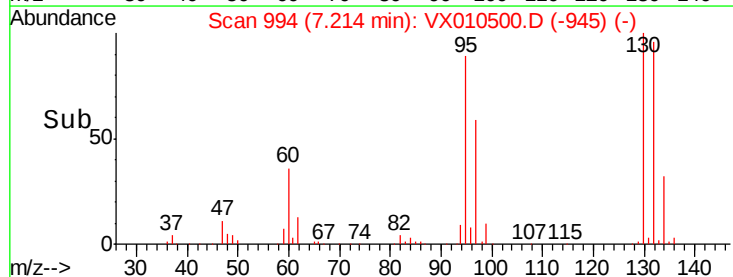
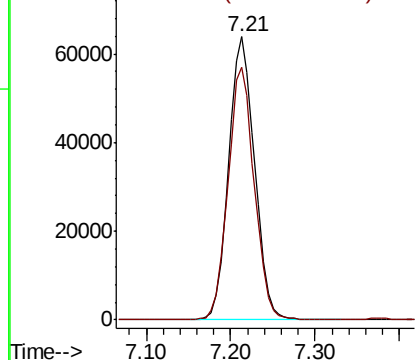
#44

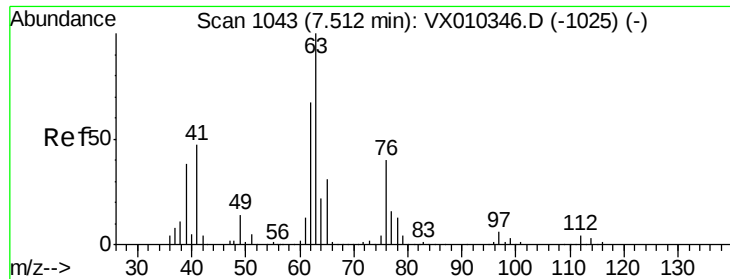
Trichloroethene
 Concen: 48.237 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Tgt Ion: 130 Resp: 133483
 Ion Ratio Lower Upper
 130 100
 95 89.1 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

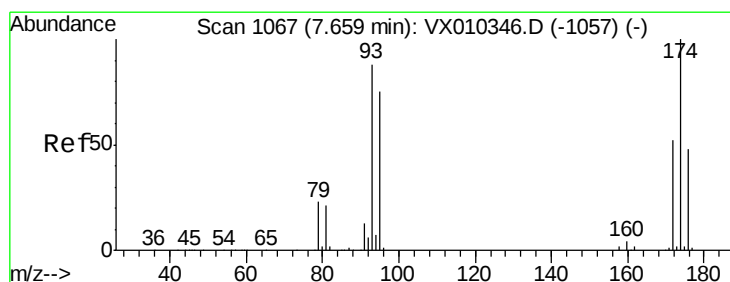
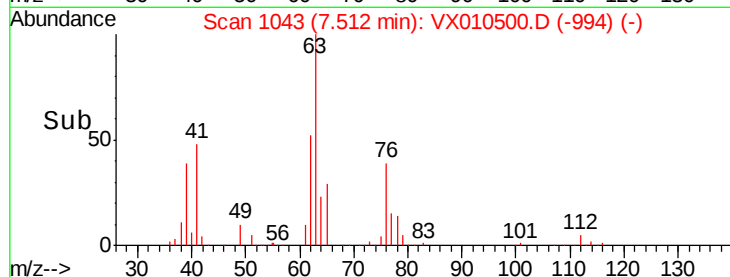
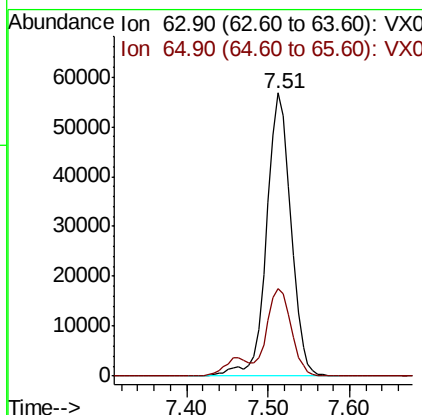
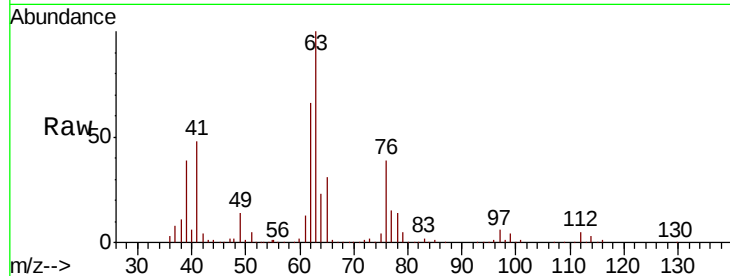




#45
1,2-Dichloropropane
Concen: 50.399 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

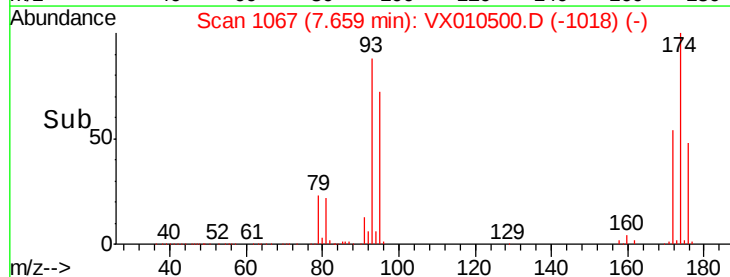
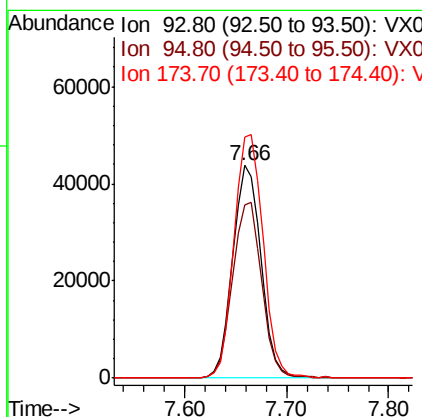
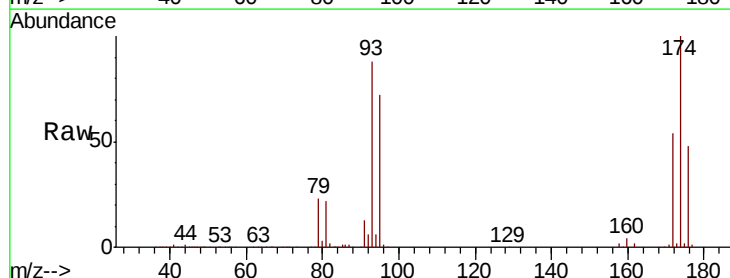
Instrument :
MSVOA_X
ClientSampleId :

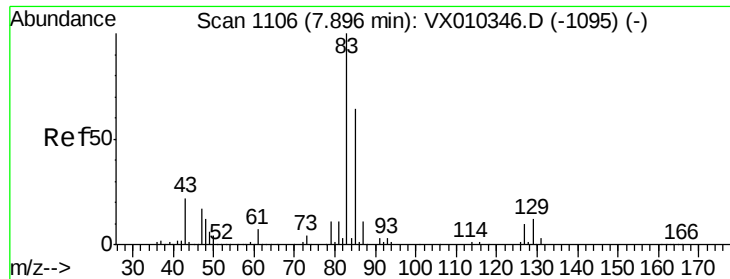
Tot Ion: 63 Resp: 117701
Ion Ratio Lower Upper
63 100
65 30.6 24.8 37.2



#46
Dibromomethane
Concen: 50.184 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion: 93 Resp: 84087
Ion Ratio Lower Upper
93 100
95 85.0 67.5 101.3
174 117.4 95.8 143.6





#47

Bromodichloromethane

Concen: 50.275 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampled :

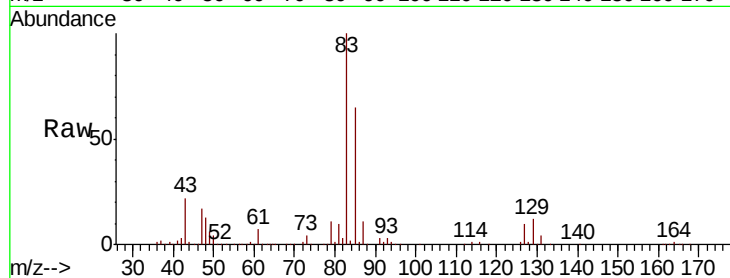
Tot Ion: 83 Resp: 154380

Ion Ratio Lower Upper

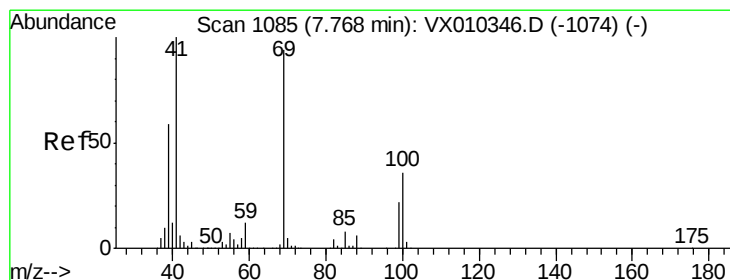
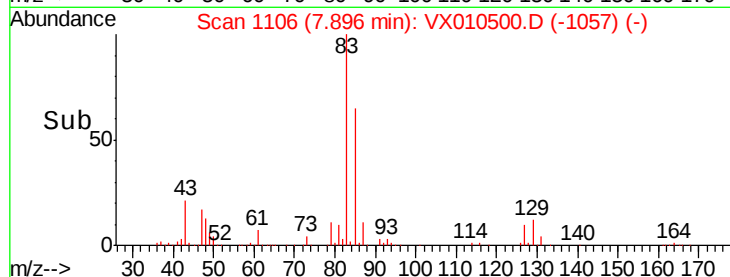
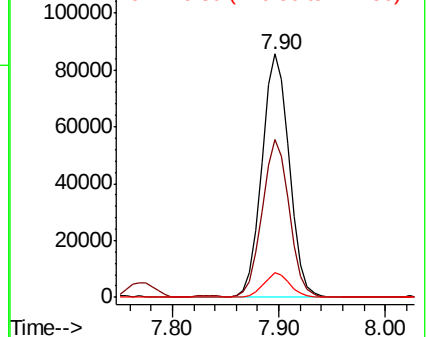
83 100

85 64.9 51.5 77.3

127 9.9 7.8 11.8



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: 57.001 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

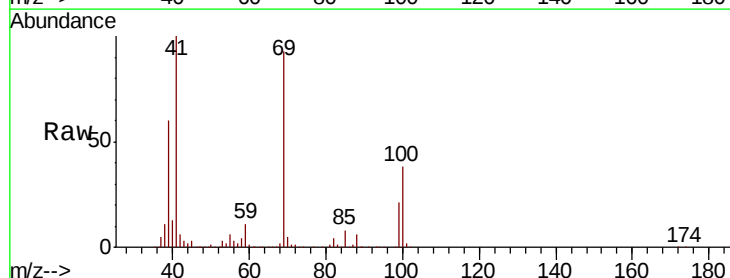
Tgt Ion: 41 Resp: 133864

Ion Ratio Lower Upper

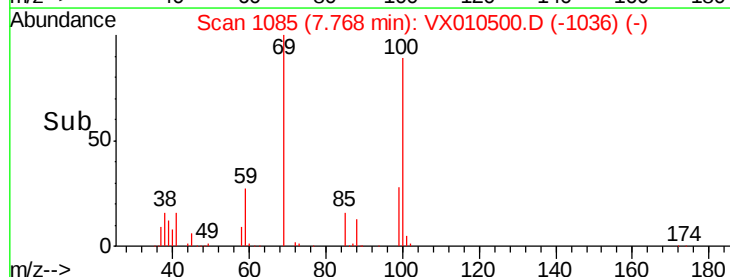
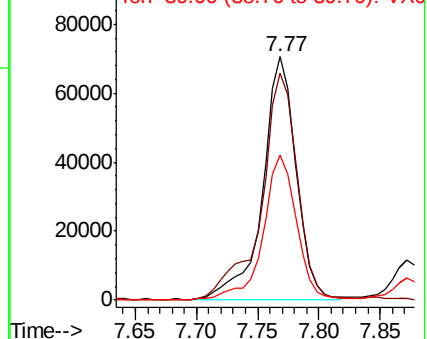
41 100

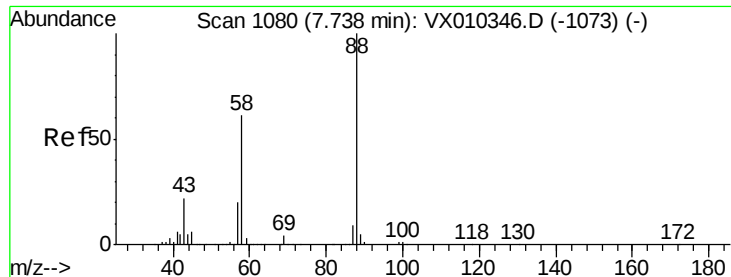
69 101.4 76.1 114.1

39 59.2 47.6 71.4



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

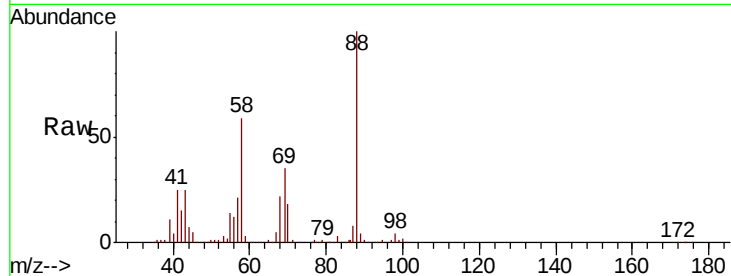




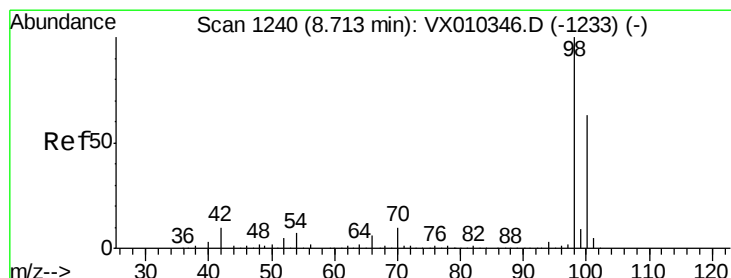
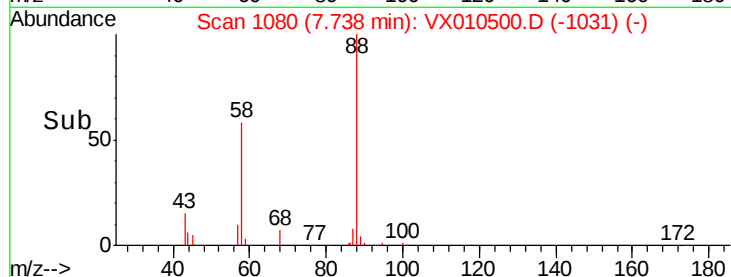
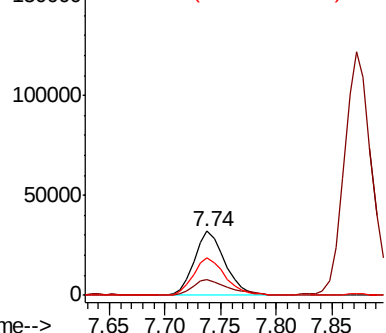
#49
1,4-Dioxane
Concen: 898.654 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 60796
Ion Ratio Lower Upper
88 100
43 27.6 20.2 30.2
58 61.1 49.5 74.3

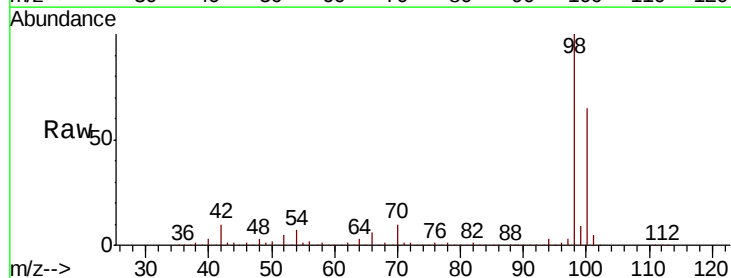


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

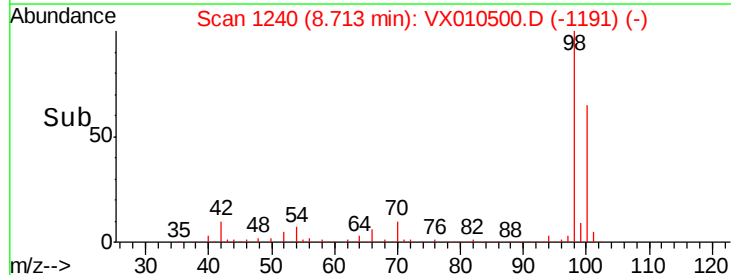
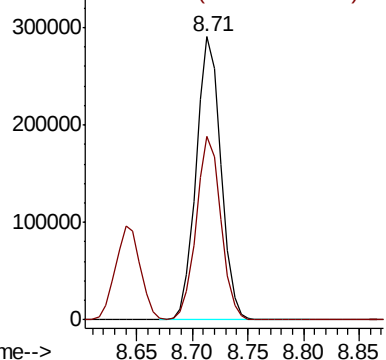


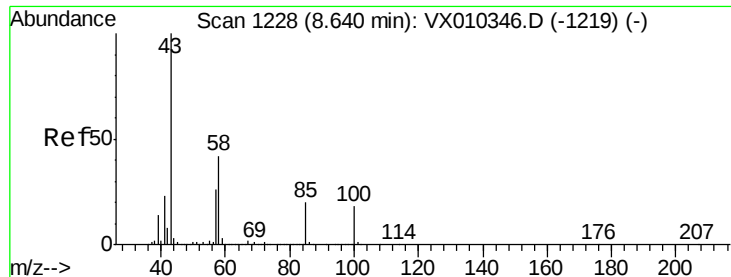
#50
Toluene-d8
Concen: 51.061 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion: 98 Resp: 446470
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 263.621 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

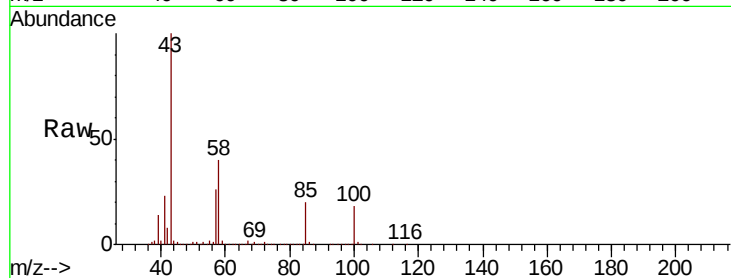
ClientSampleId :

Tot Ion: 43 Resp: 851846

Ion Ratio Lower Upper

43 100

58 40.9 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

600000

500000

400000

300000

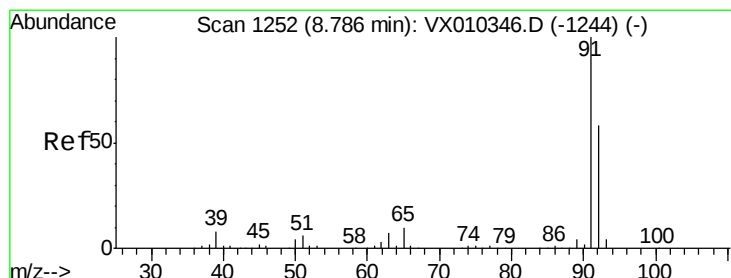
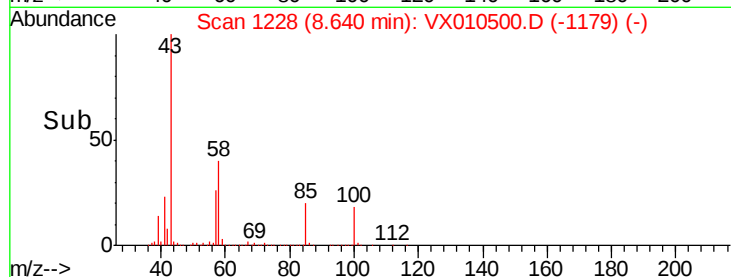
200000

100000

0

Time-->

8.55 8.60 8.65 8.70



#52

Toluene

Concen: 51.199 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010500.D

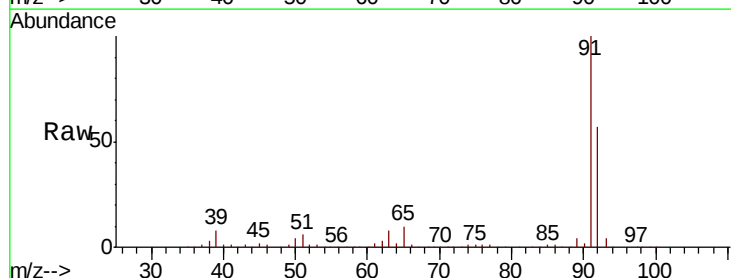
Acq: 27 Jun 2019 19:36

Tgt Ion: 92 Resp: 311811

Ion Ratio Lower Upper

92 100

91 173.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

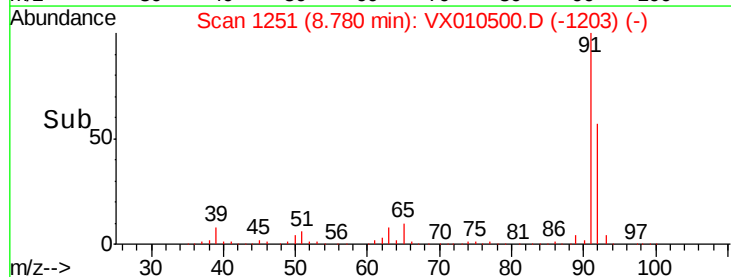
200000

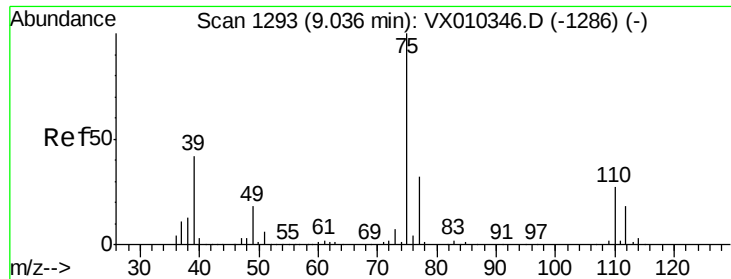
100000

0

Time-->

8.70 8.80 8.90

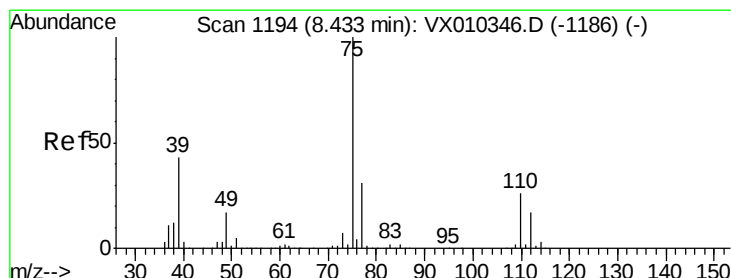
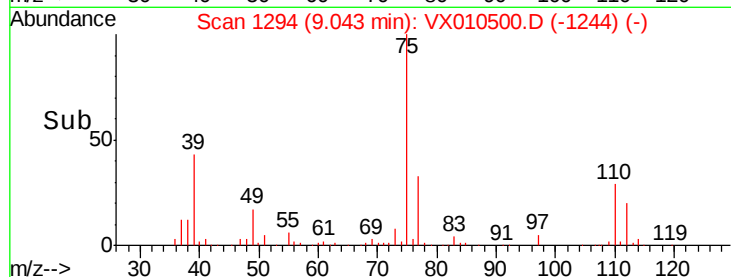
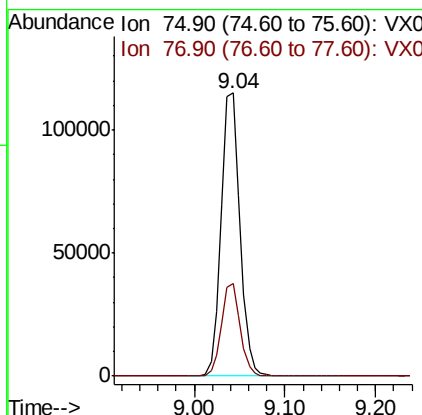
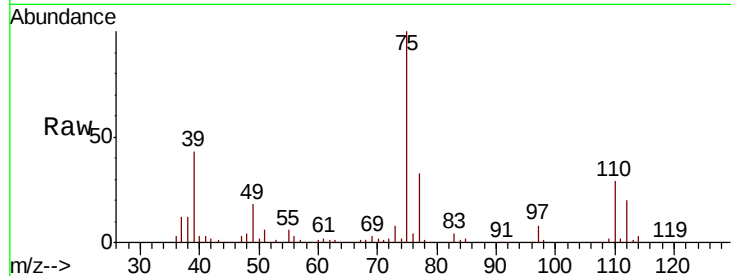




#53
t-1,3-Dichloropropene
Concen: 48.565 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

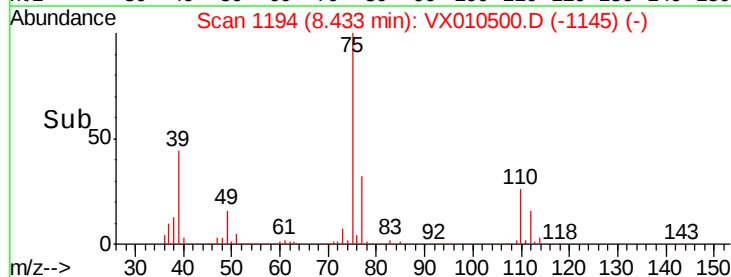
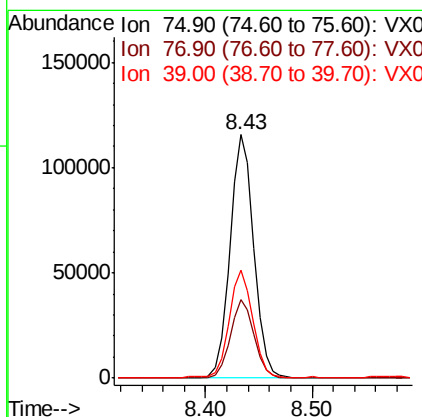
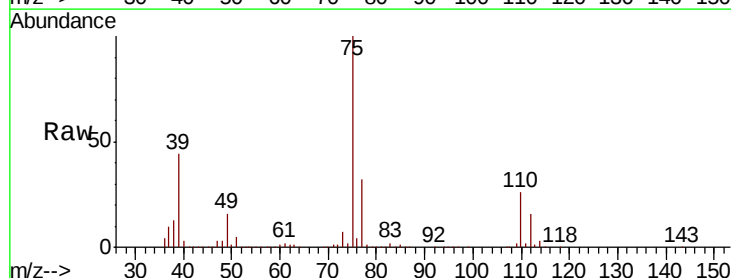
Instrument :
MSVOA_X
ClientSampleId :

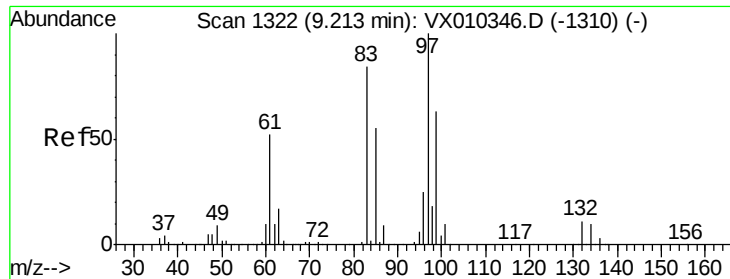
Tot Ion: 75 Resp: 167193
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 48.231 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion: 75 Resp: 180443
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 44.0 34.5 51.7

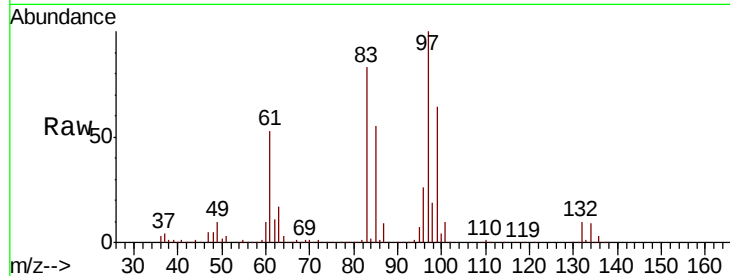




#55
 1,1,2-Trichloroethane
 Concen: 50.900 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.4	101.0
85	55.0	43.8	65.8
99	63.5	50.3	75.5



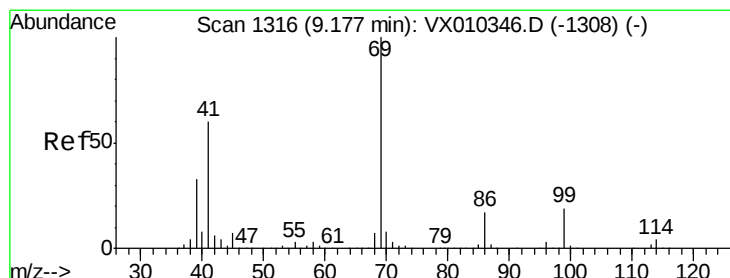
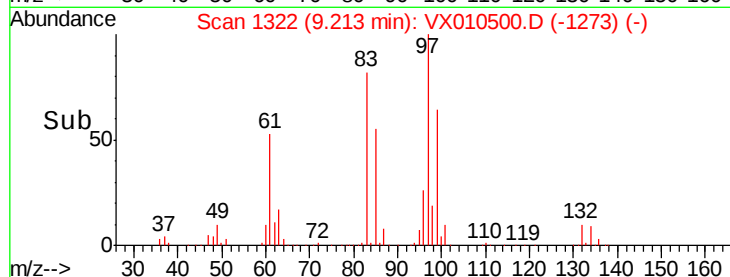
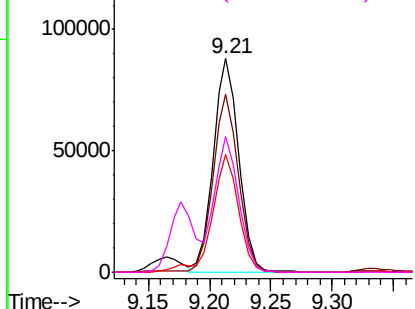
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

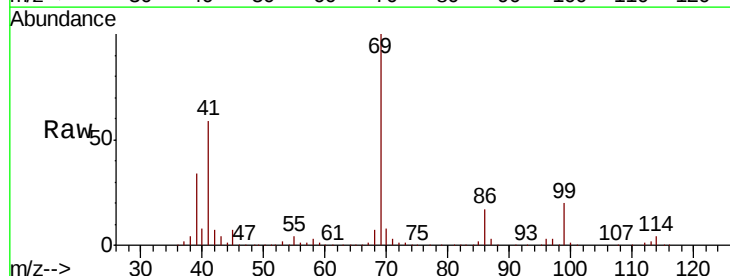
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 51.602 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.7	47.1	70.7
39	35.7	26.6	40.0

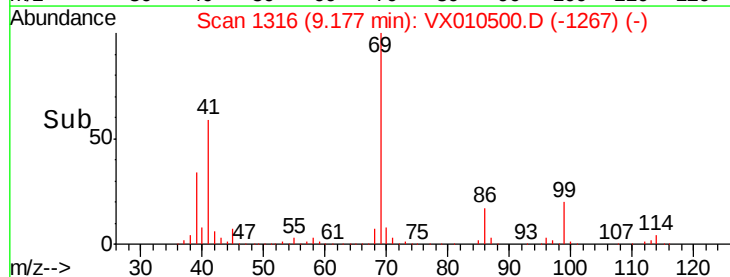
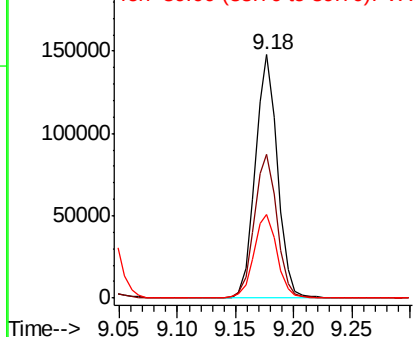


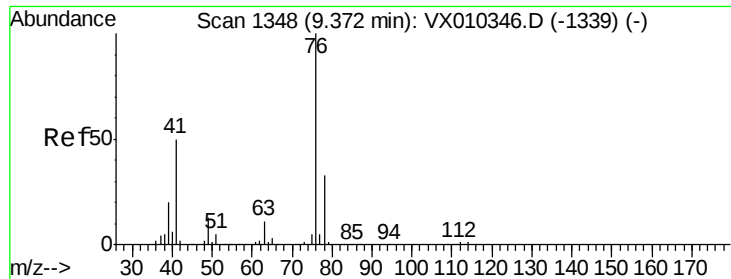
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.025 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

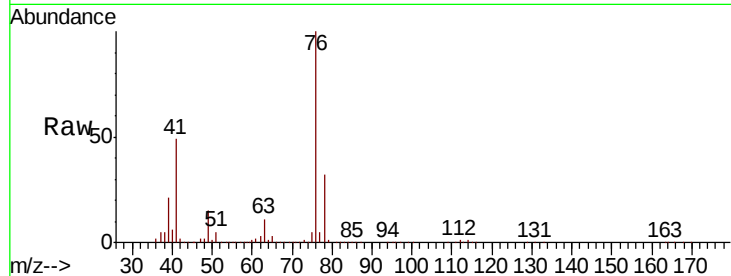
ClientSampleId :

Tot Ion: 76 Resp: 198941

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

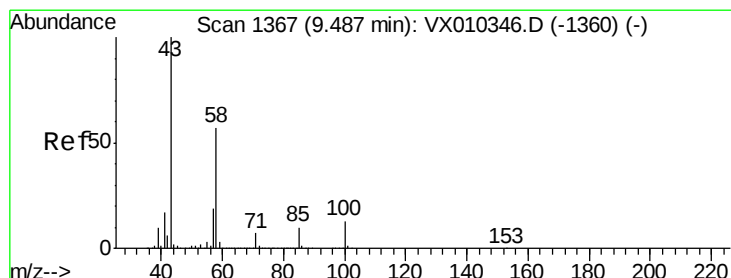
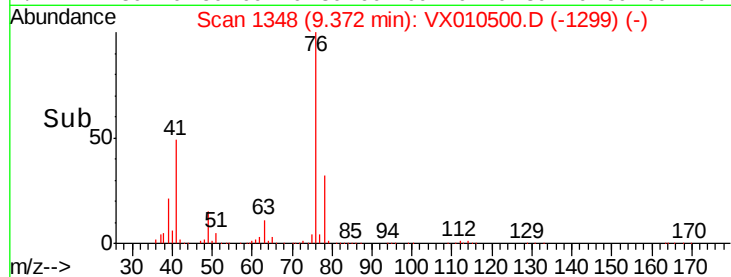
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 253.837 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX010500.D

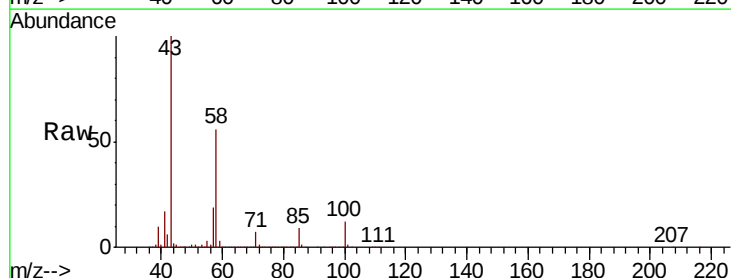
Acq: 27 Jun 2019 19:36

Tgt Ion: 43 Resp: 645550

Ion Ratio Lower Upper

43 100

58 57.3 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

500000

400000

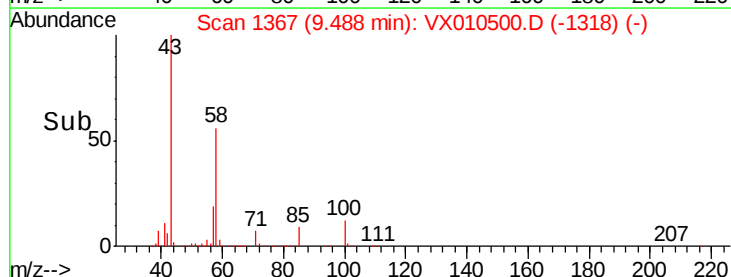
300000

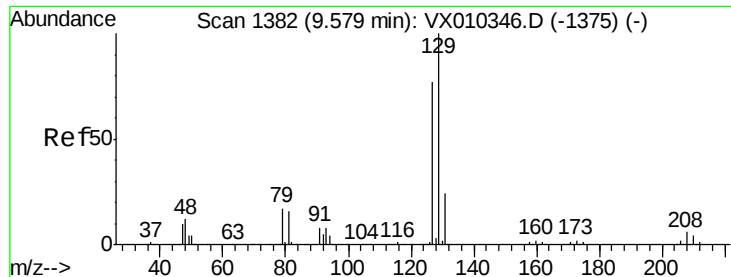
200000

100000

0

Time-->

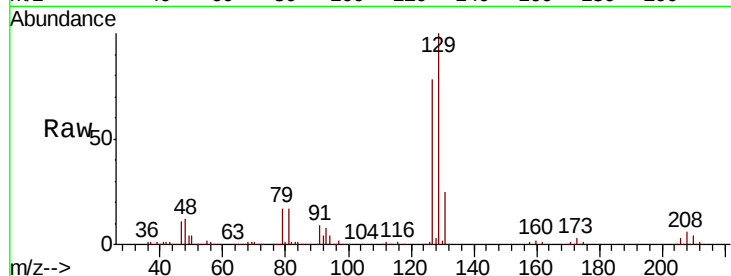




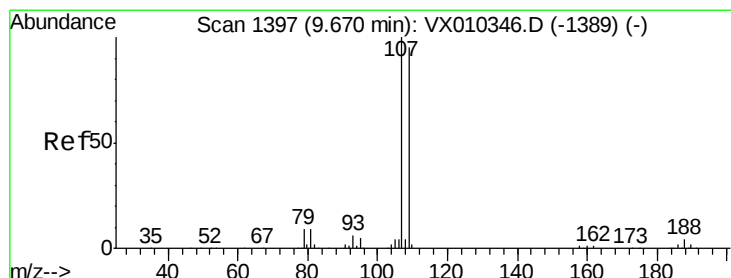
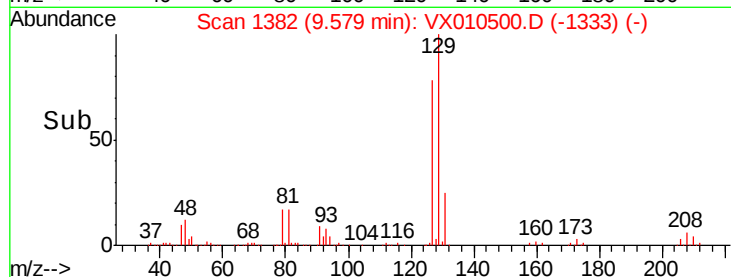
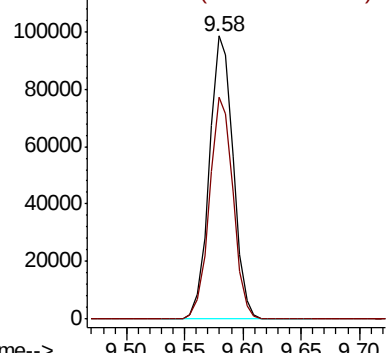
#60
 Dibromochloromethane
 Concen: 50.018 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:129 Resp: 140663
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.4 115.1

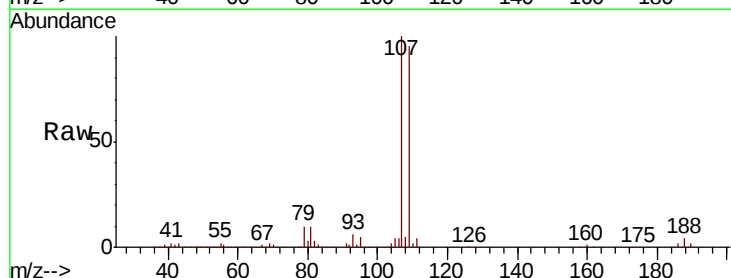


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

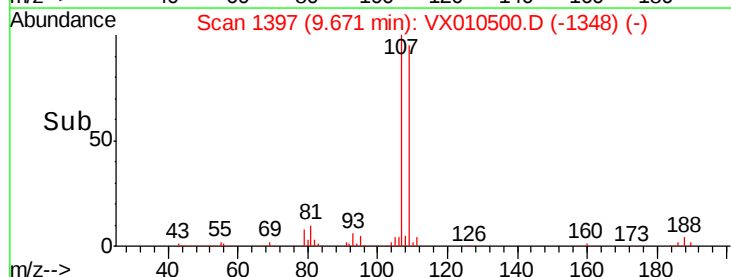
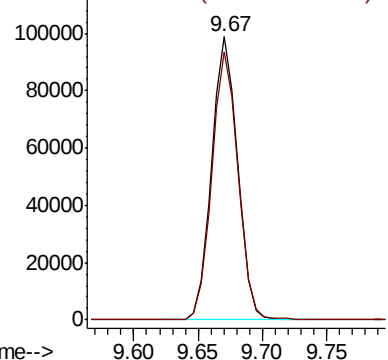


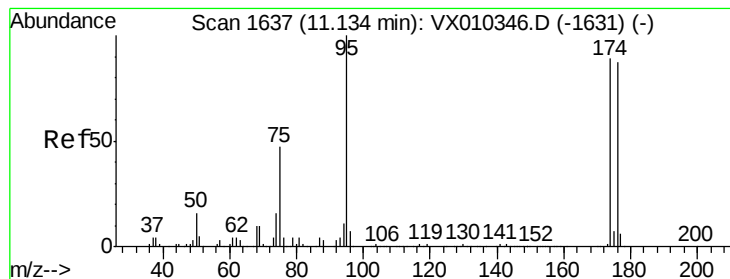
#61
 1,2-Dibromoethane
 Concen: 50.710 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Tgt Ion:107 Resp: 137479
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 52.510 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

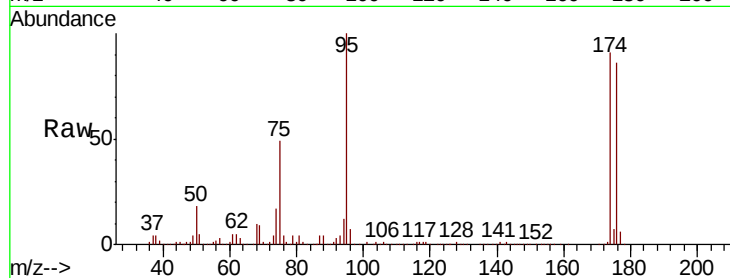
Tot Ion: 95 Resp: 165761

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.6

176 91.8 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

11.13

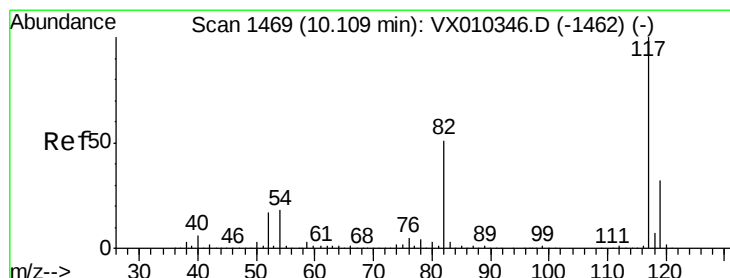
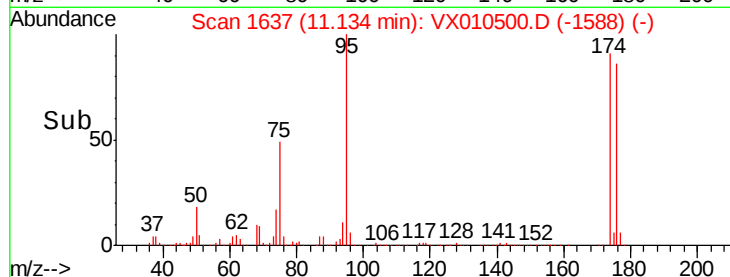
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

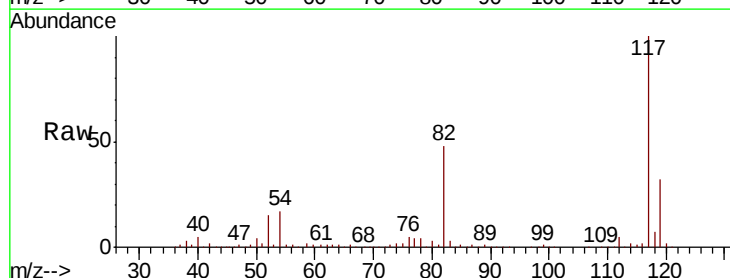
Tgt Ion: 117 Resp: 341397

Ion Ratio Lower Upper

117 100

82 47.7 41.2 61.8

119 32.2 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

10.12

300000

250000

200000

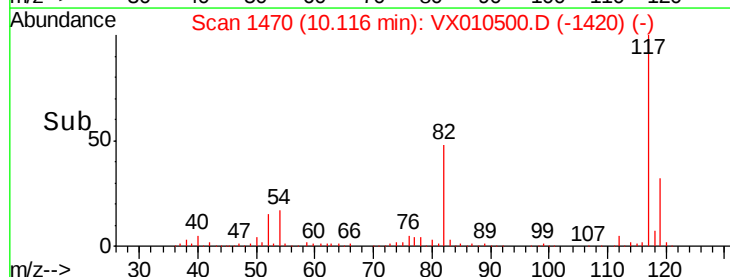
150000

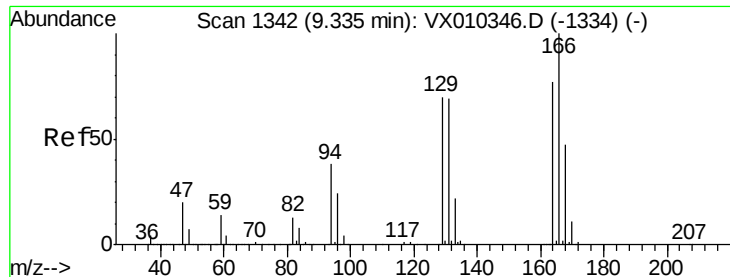
100000

50000

0

Time--> 10.05 10.10 10.15 10.20





#64

Tetrachloroethene

Concen: 44.401 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 122606

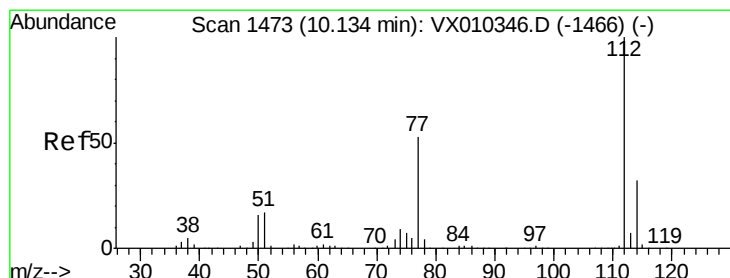
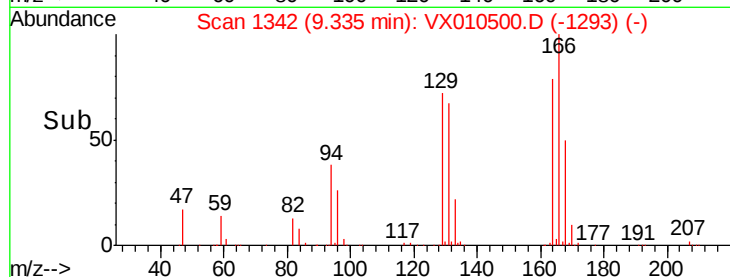
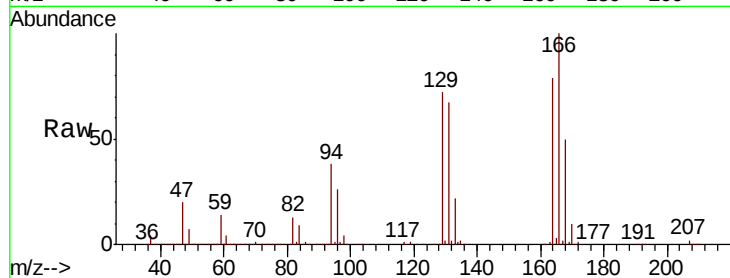
Ion Ratio Lower Upper

164 100

166 126.8 103.6 155.4

129 90.6 73.0 109.4

131 85.3 71.0 106.4



#65

Chlorobenzene

Concen: 49.671 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010500.D

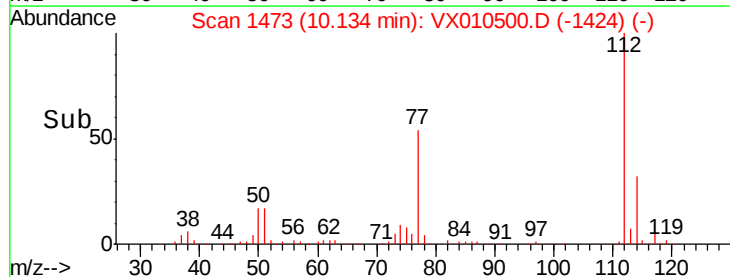
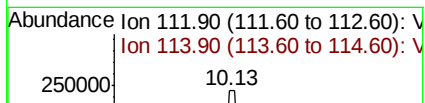
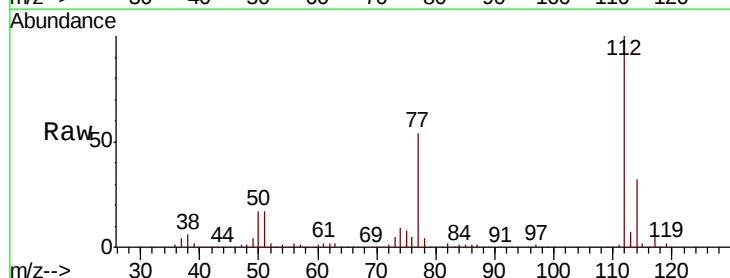
Acq: 27 Jun 2019 19:36

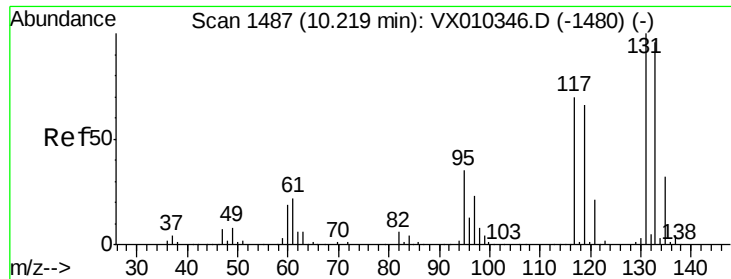
Tgt Ion:112 Resp: 344269

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 51.552 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

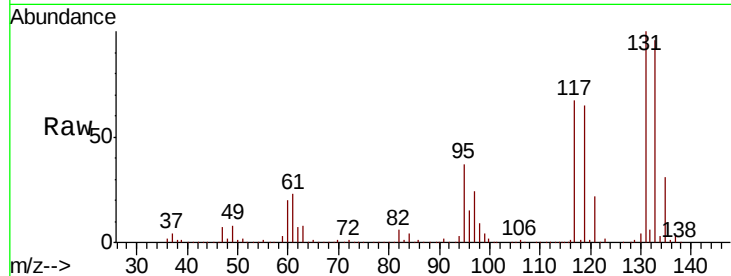
Tot Ion:131 Resp: 130149

Ion Ratio Lower Upper

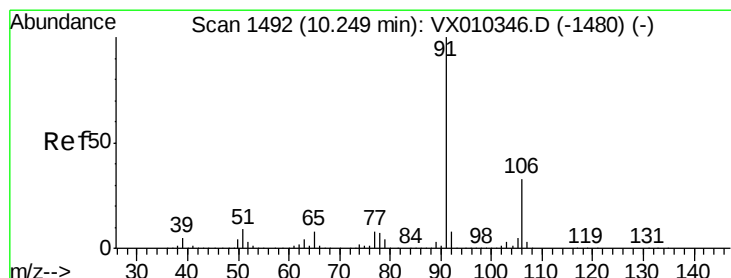
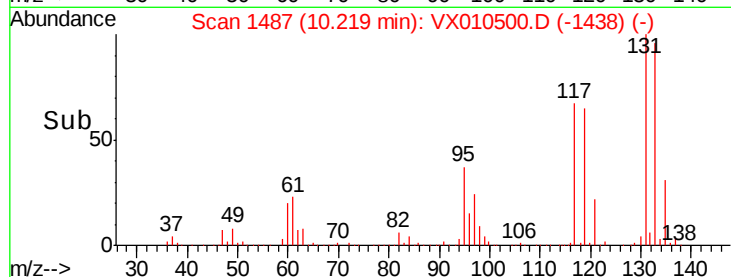
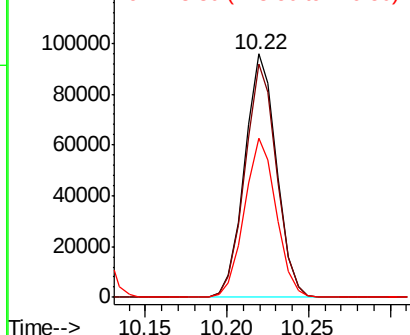
131 100

133 95.5 47.7 143.1

119 65.6 32.6 97.7



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 283.186 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010500.D

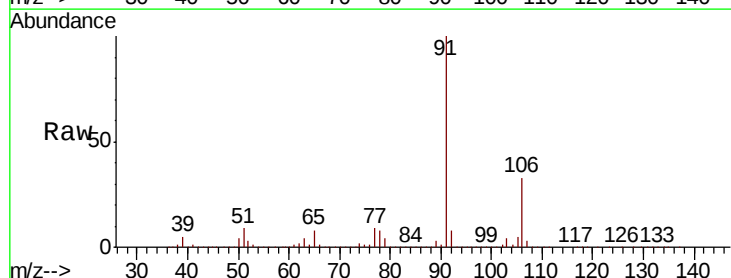
Acq: 27 Jun 2019 19:36

Tgt Ion: 91 Resp: 3313578

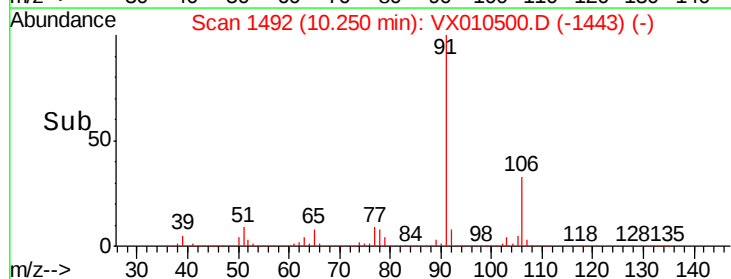
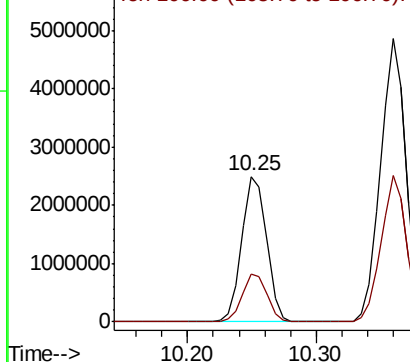
Ion Ratio Lower Upper

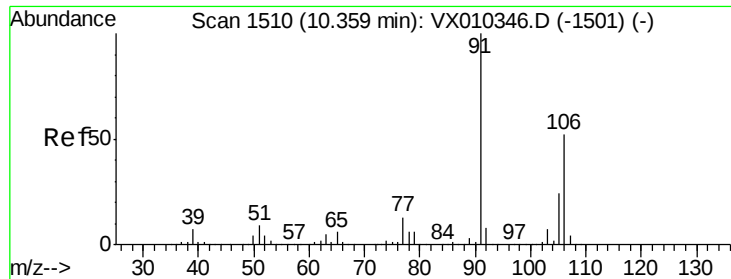
91 100

106 32.8 26.2 39.2



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

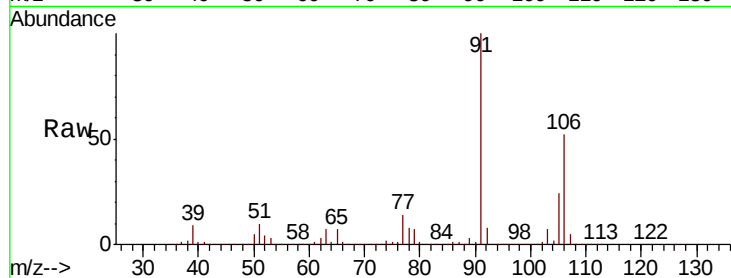




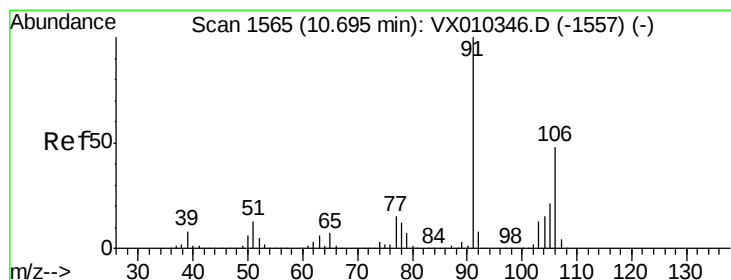
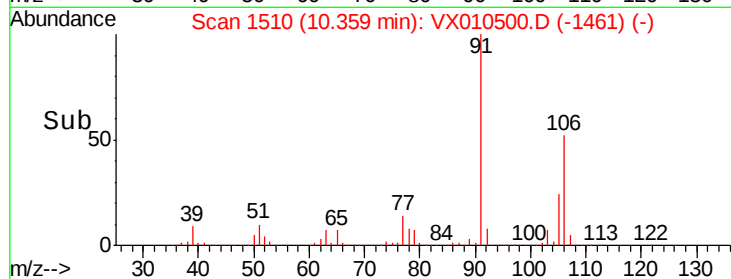
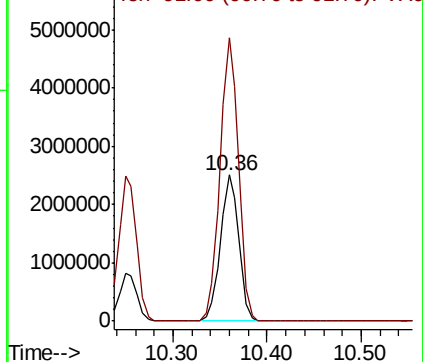
#68
m/p-Xvlenes
Concen: 743.374 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 3370363
Ion Ratio Lower Upper
106 100
91 195.8 155.3 232.9

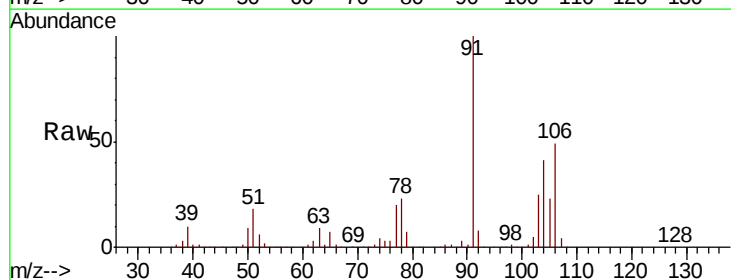


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

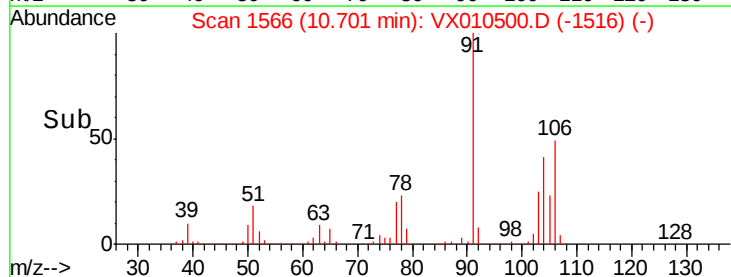
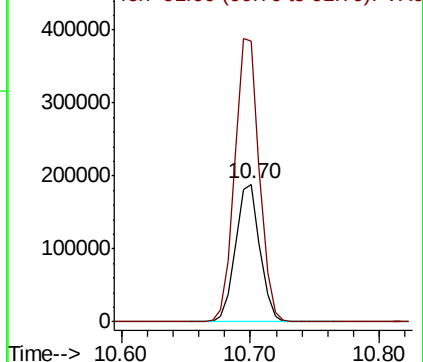


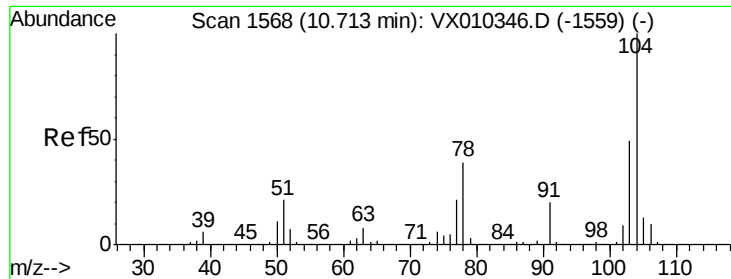
#69
o-Xylene
Concen: 55.606 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion:106 Resp: 247928
Ion Ratio Lower Upper
106 100
91 207.9 102.7 308.1



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





#70

Stvrene

Concen: 51.478 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

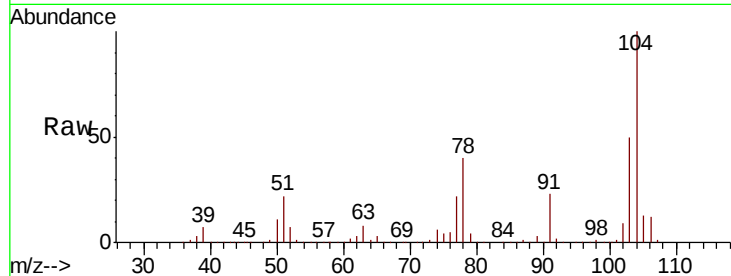
Tot Ion:104 Resp: 384915

Ion Ratio Lower Upper

104 100

78 47.3 36.2 54.2

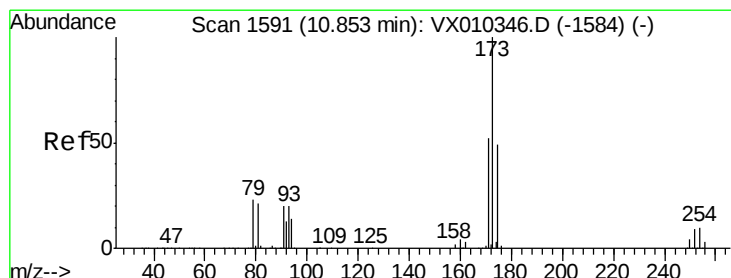
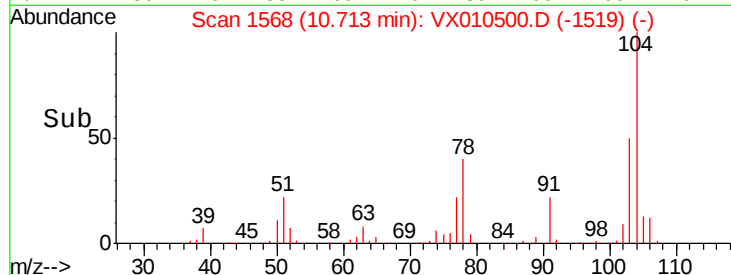
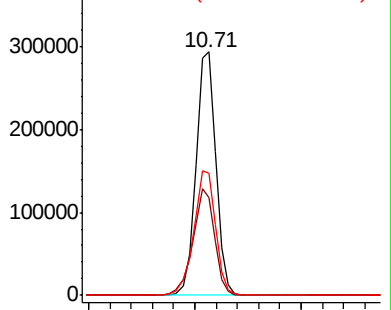
103 55.7 44.2 66.4



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: 50.589 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

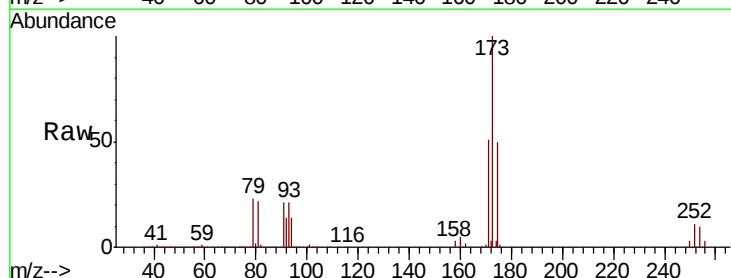
Tgt Ion:173 Resp: 111068

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

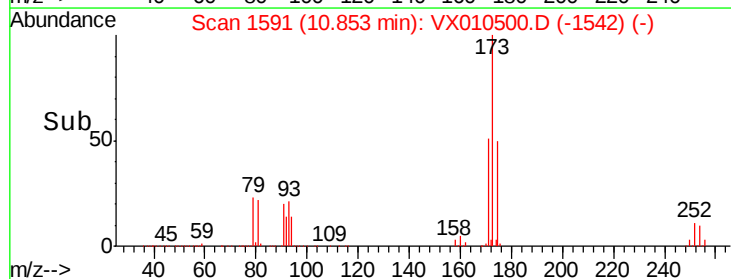
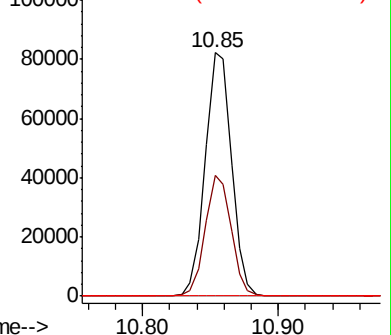
254 0.1 0.2 0.2#

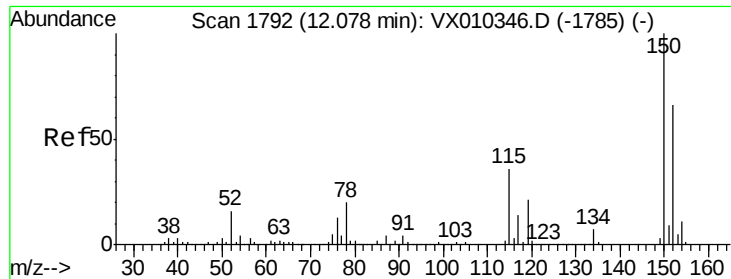


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



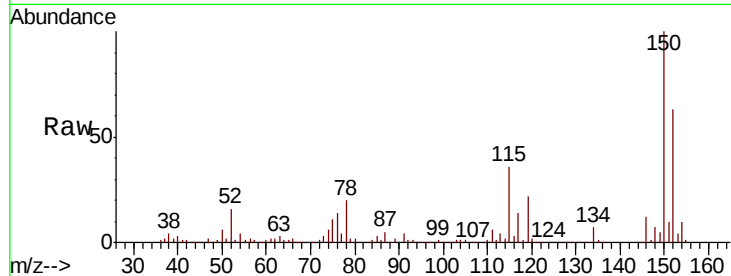


#72

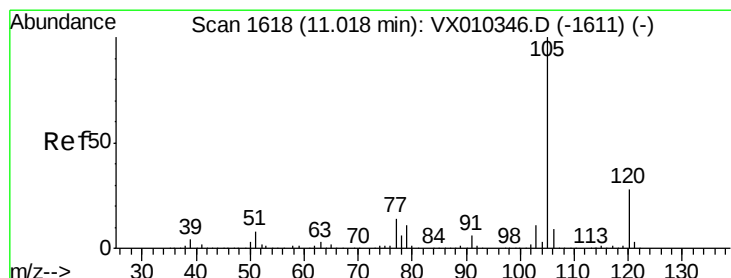
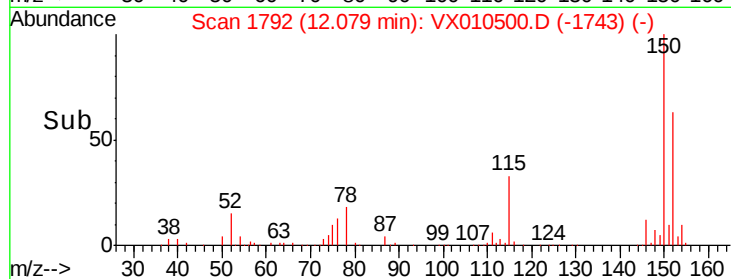
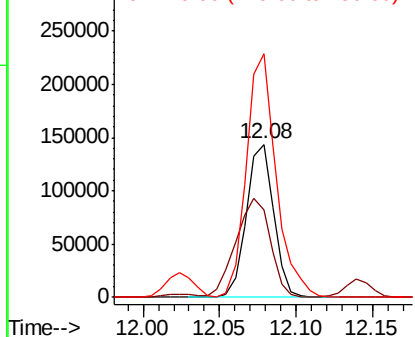
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 177421
Ion Ratio Lower Upper
152 100
115 81.7 38.6 115.7
150 173.3 0.0 347.4



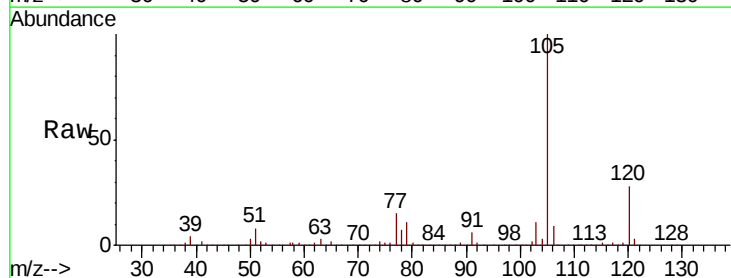
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



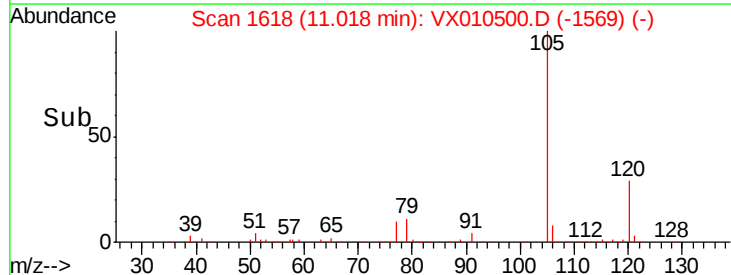
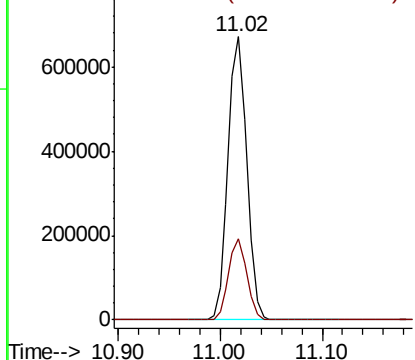
#73

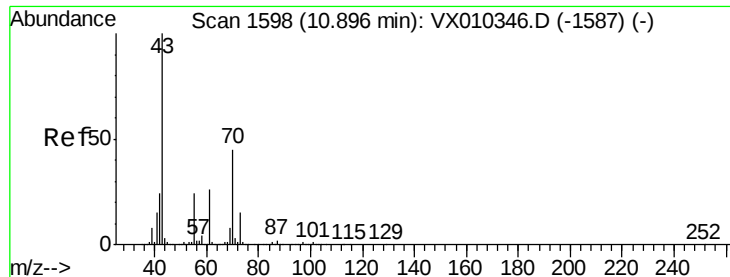
Isopropylbenzene
Concen: 70.894 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion:105 Resp: 852637
Ion Ratio Lower Upper
105 100
120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.878 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

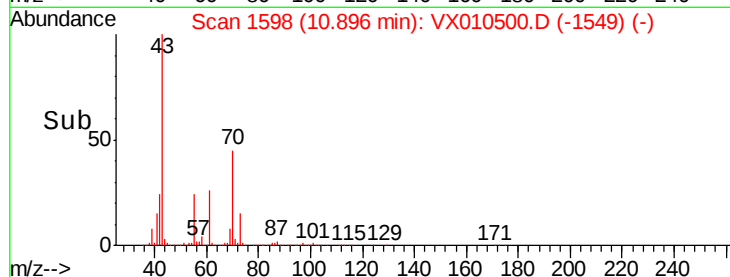
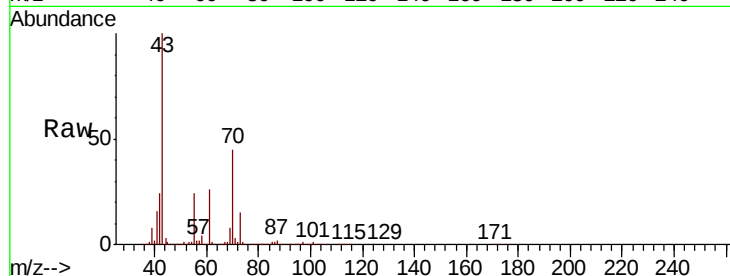
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 222164

Ion	Ratio	Lower	Upper
43	100		
70	45.3	36.6	54.8
55	23.9	18.7	28.1
61	25.7	20.6	31.0

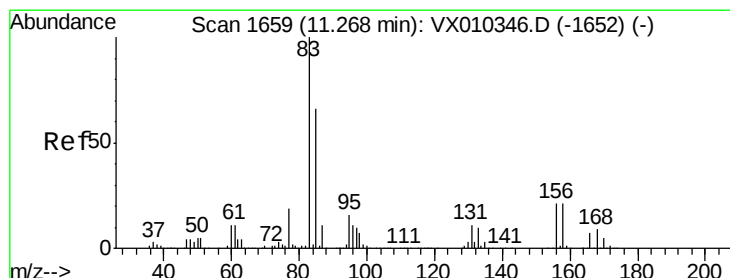


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 49.620 ug/l

RT: 11.27 min Scan# 1659

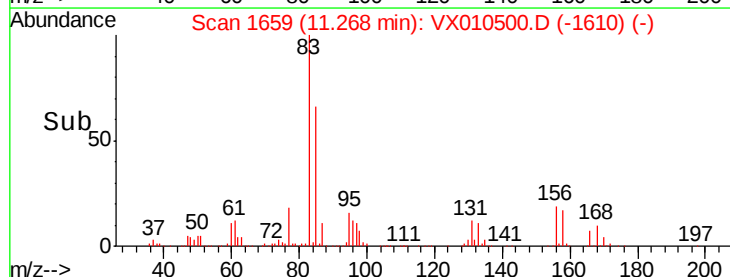
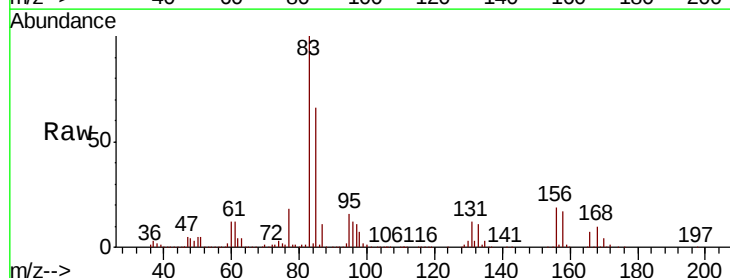
Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Tgt Ion: 83 Resp: 197638

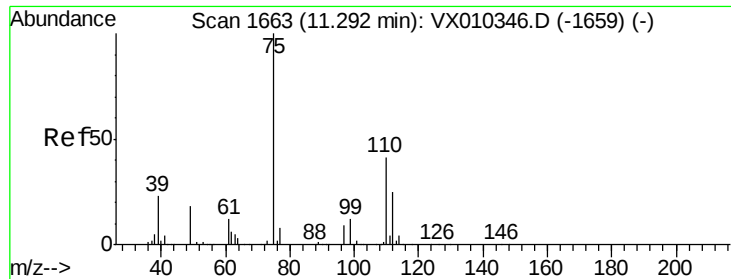
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	65.4	32.3	96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 68.351 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

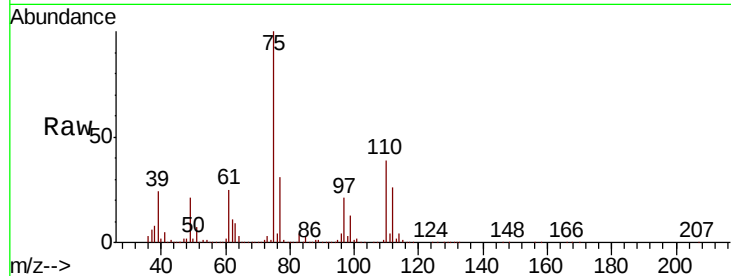
ClientSampleId :

Tot Ion: 75 Resp: 220984

Ion Ratio Lower Upper

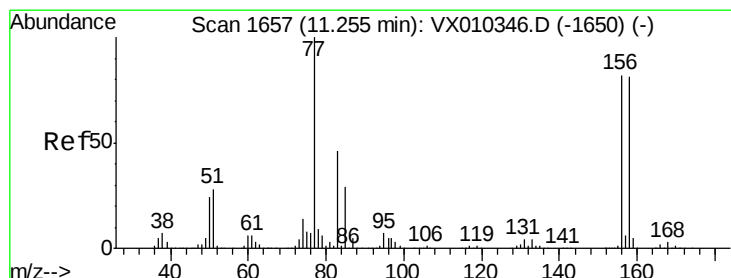
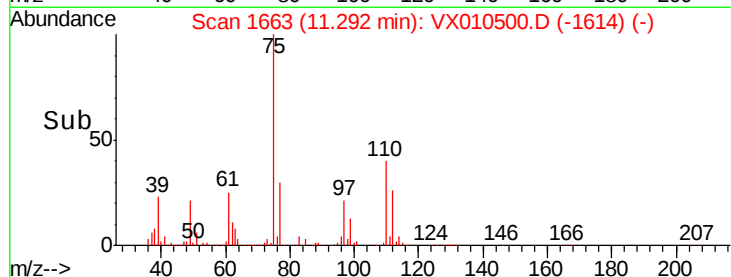
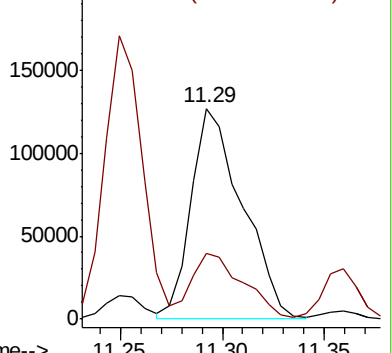
75 100

77 31.4 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 49.302 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

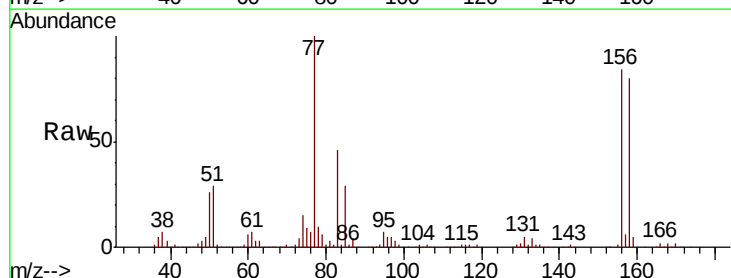
Tgt Ion: 156 Resp: 165568

Ion Ratio Lower Upper

156 100

77 131.9 66.3 198.7

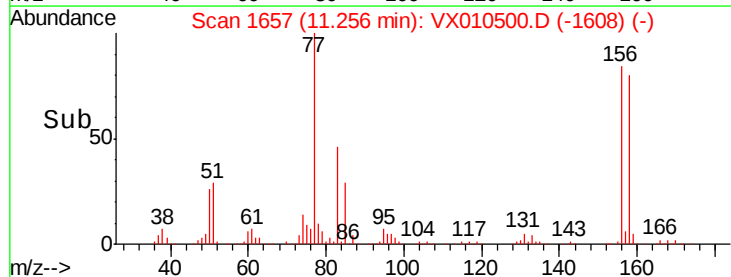
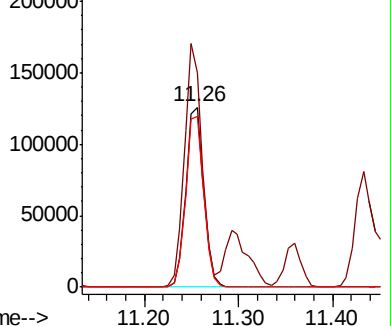
158 95.9 48.9 146.7

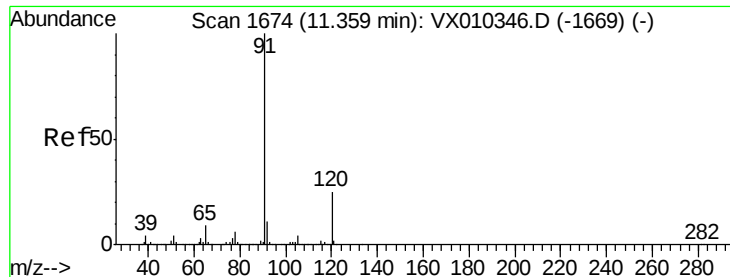


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 74.635 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

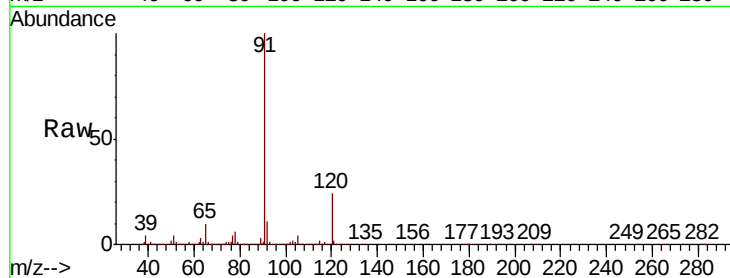
ClientSampled :

Tot Ion: 91 Resp: 986532

Ion Ratio Lower Upper

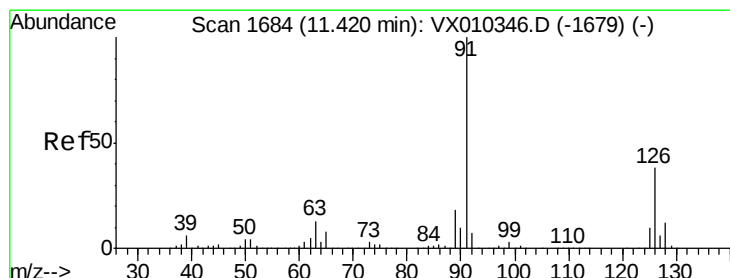
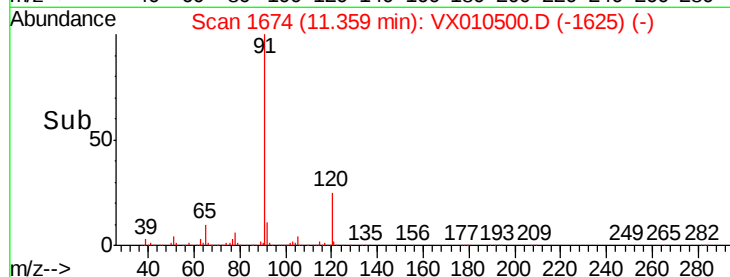
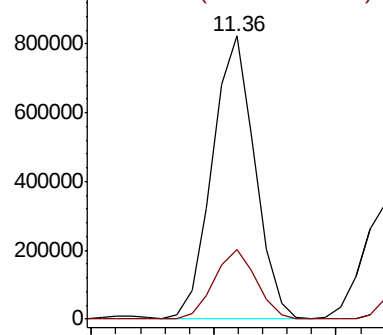
91 100

120 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 66.755 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010500.D

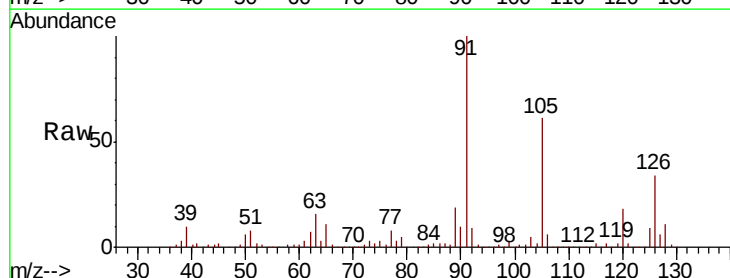
Acq: 27 Jun 2019 19:36

Tgt Ion: 91 Resp: 525434

Ion Ratio Lower Upper

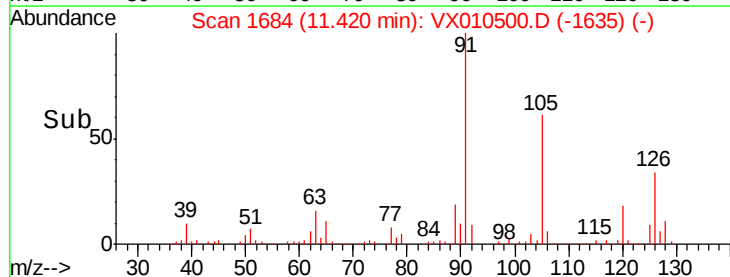
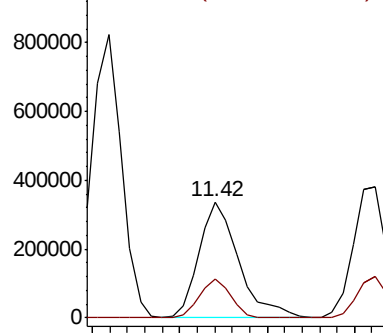
91 100

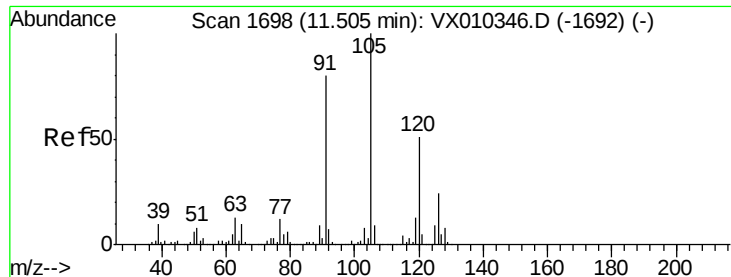
126 27.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 95.525 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

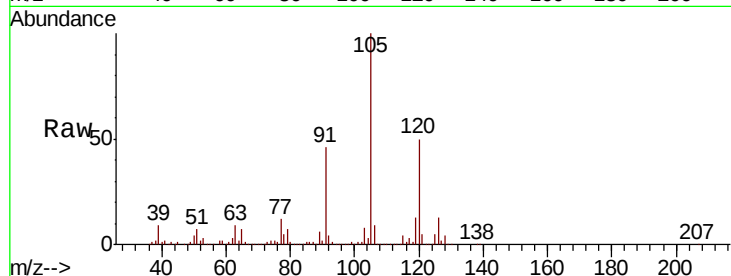
ClientSampled :

Tot Ion:105 Resp: 947105

Ion Ratio Lower Upper

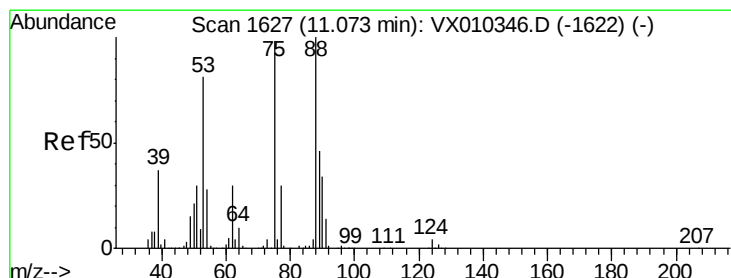
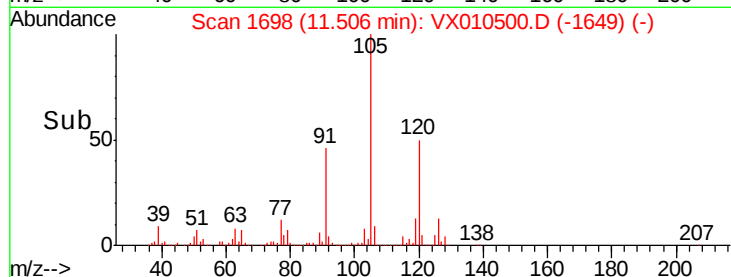
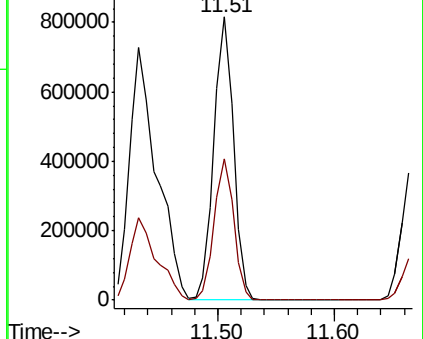
105 100

120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 44.297 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

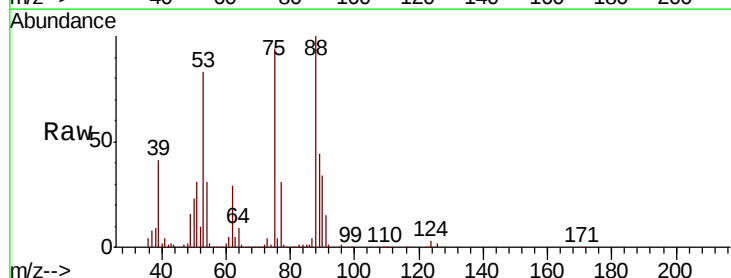
Tgt Ion: 75 Resp: 61389

Ion Ratio Lower Upper

75 100

53 88.1 66.1 99.1

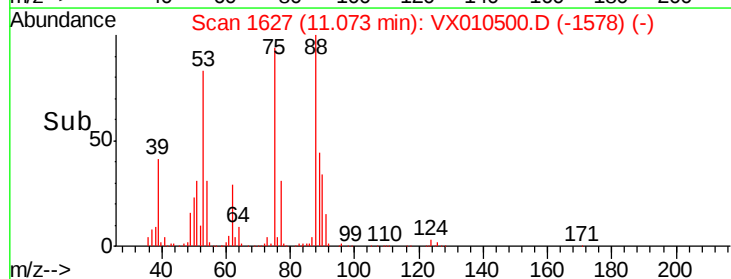
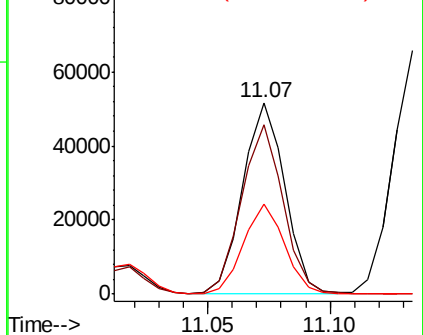
89 46.3 37.8 56.6

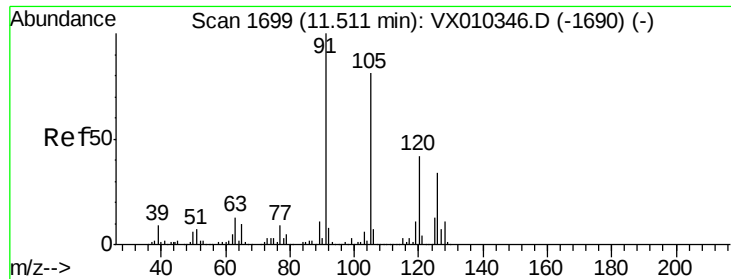


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 55.226 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

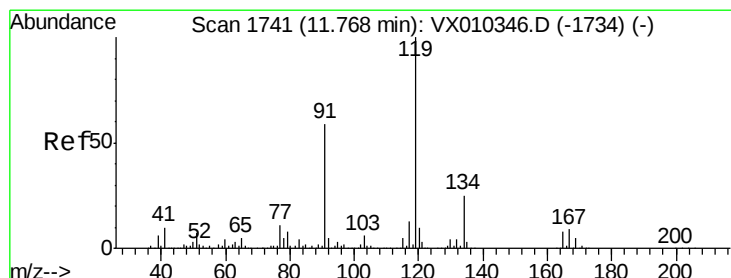
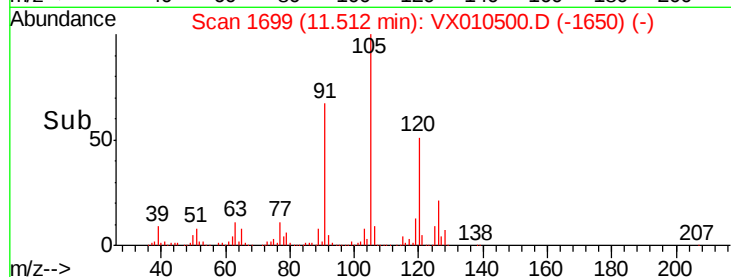
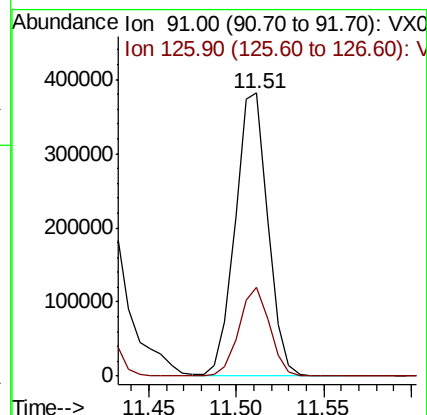
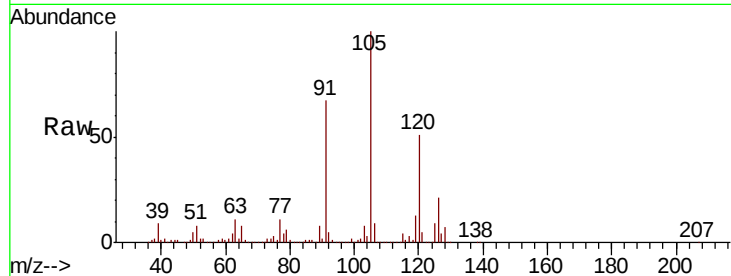
ClientSampled :

Tot Ion: 91 Resp: 494631

Ion Ratio Lower Upper

91 100

126 29.6 16.2 48.6



#83

tert-Butylbenzene

Concen: 52.079 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

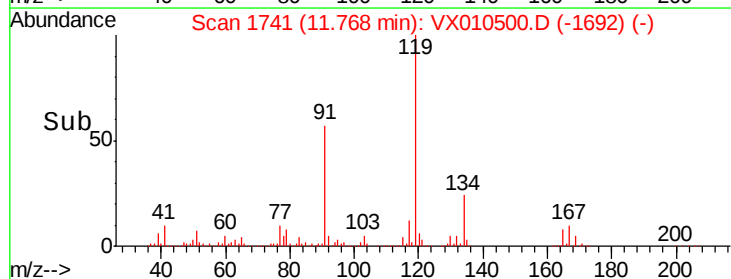
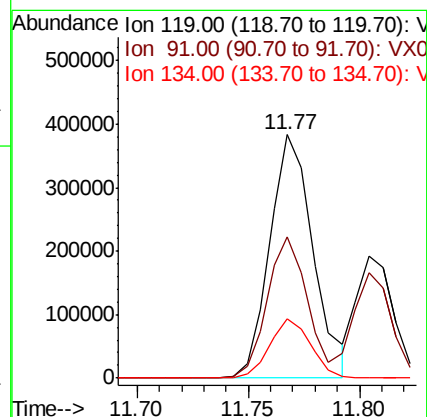
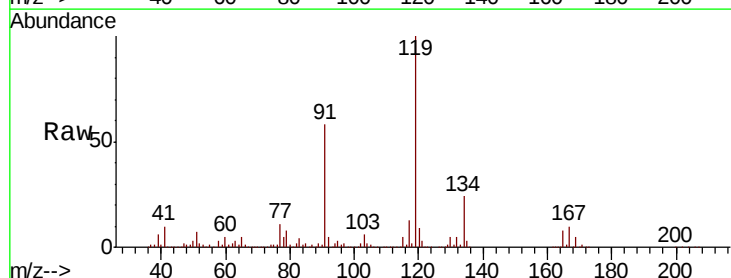
Tgt Ion: 119 Resp: 518259

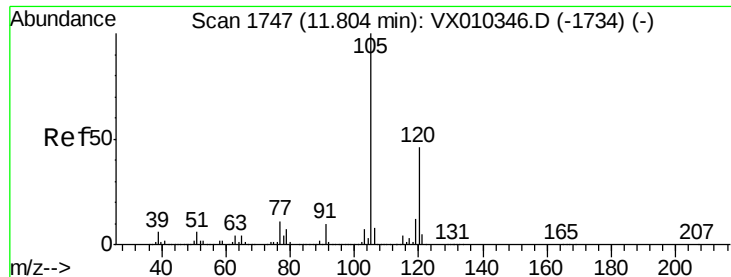
Ion Ratio Lower Upper

119 100

91 53.5 27.6 82.7

134 23.1 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 190.252 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

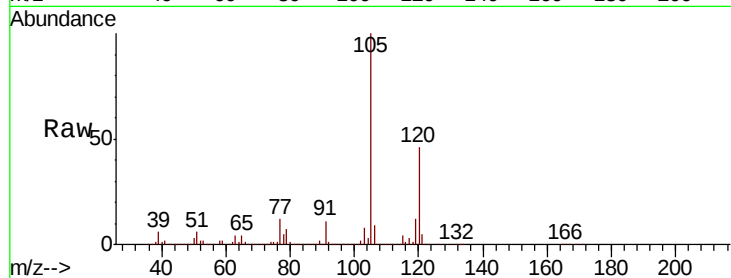
ClientSampleId :

Tot Ion:105 Resp: 1895146

Ion Ratio Lower Upper

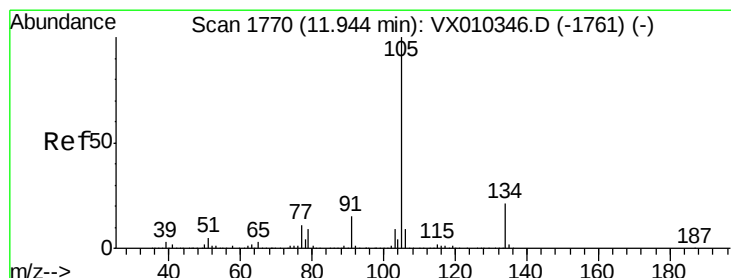
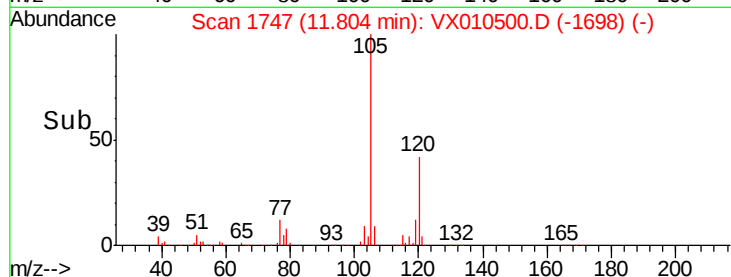
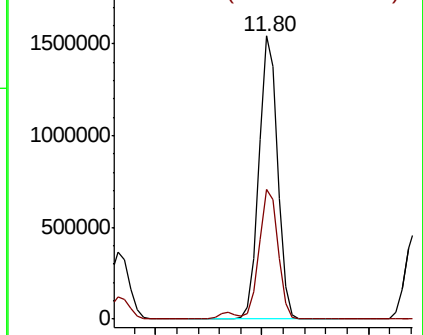
105 100

120 46.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 52.097 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010500.D

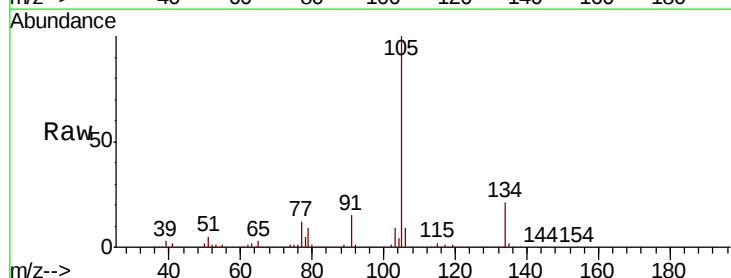
Acq: 27 Jun 2019 19:36

Tgt Ion:105 Resp: 608706

Ion Ratio Lower Upper

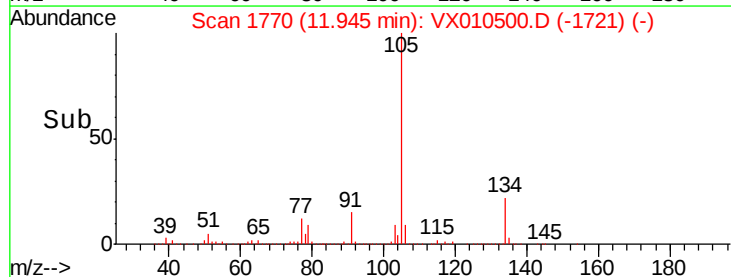
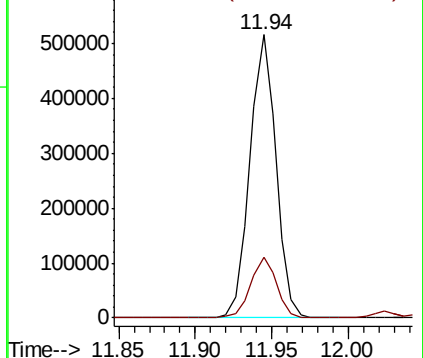
105 100

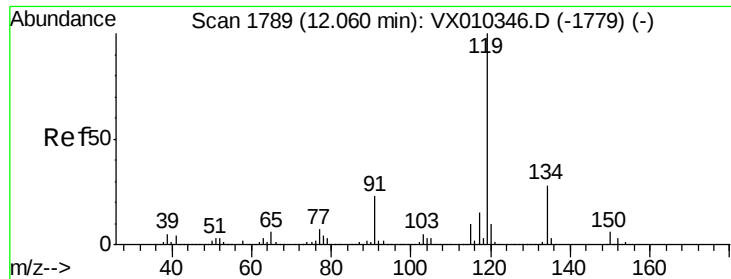
134 21.6 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

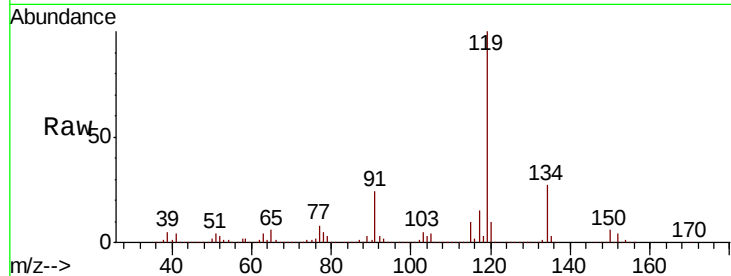




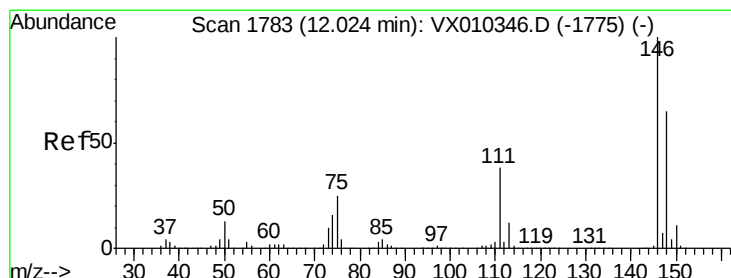
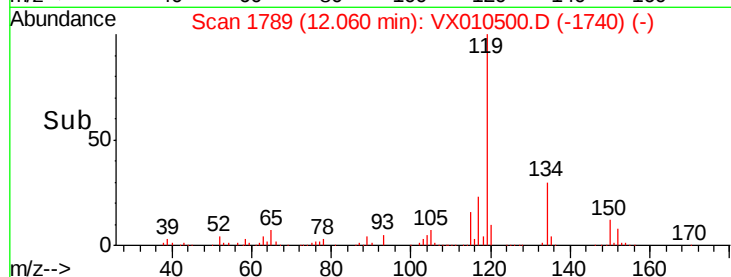
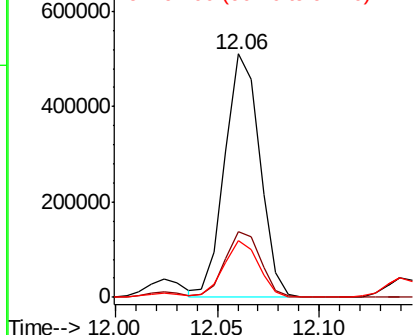
#86
p-Isopropyltoluene
Concen: 56.366 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:119 Resp: 609182
Ion Ratio Lower Upper
119 100
134 27.6 13.7 41.1
91 23.0 11.3 33.8

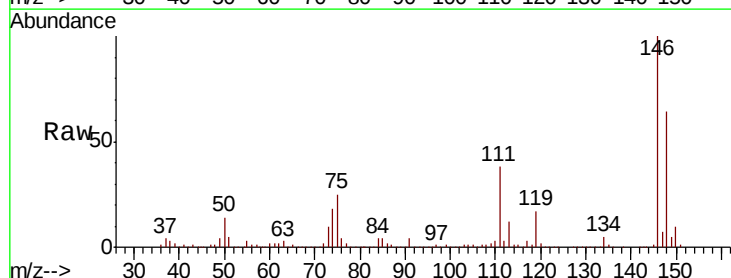


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

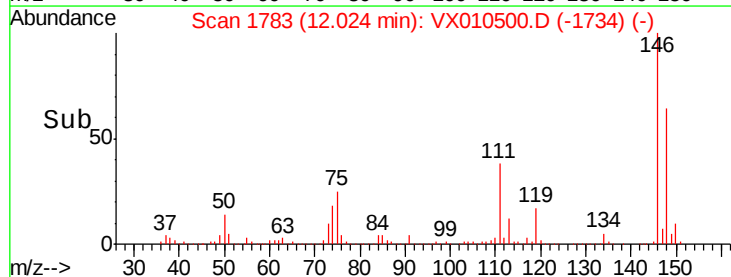
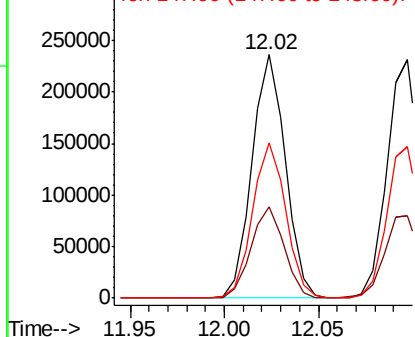


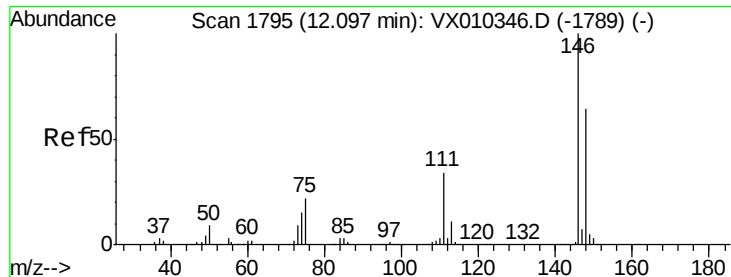
#87
1,3-Dichlorobenzene
Concen: 49.492 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion:146 Resp: 290126
Ion Ratio Lower Upper
146 100
111 37.3 19.1 57.1
148 63.4 32.5 97.4



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: 48.269 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

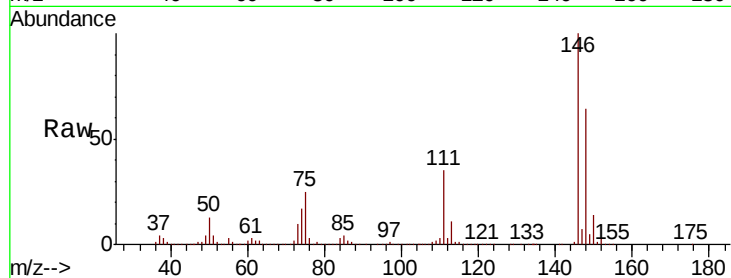
Tot Ion:146 Resp: 288062

Ion Ratio Lower Upper

146 100

111 36.7 18.1 54.3

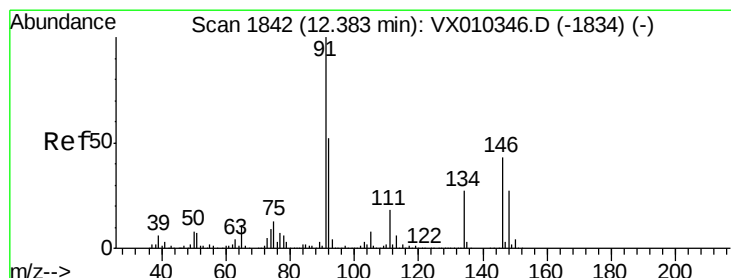
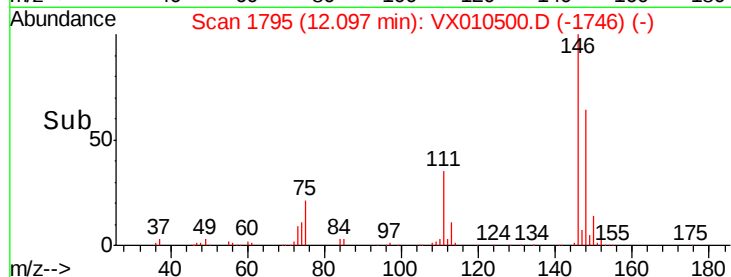
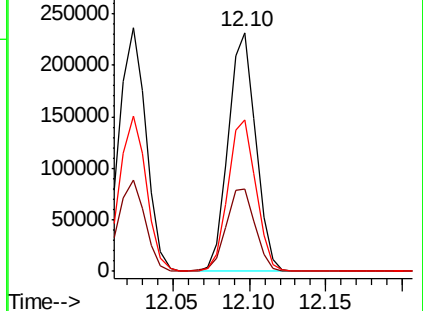
148 64.5 32.1 96.3



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: 55.049 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

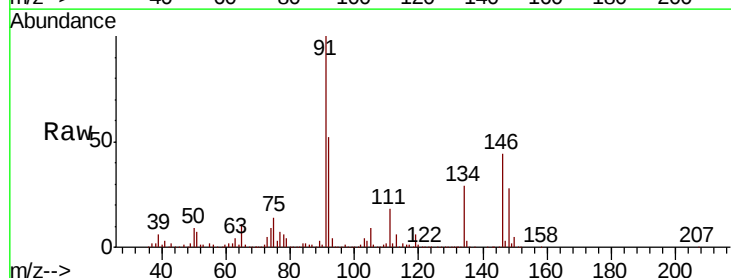
Tgt Ion: 91 Resp: 505554

Ion Ratio Lower Upper

91 100

92 51.3 26.2 78.5

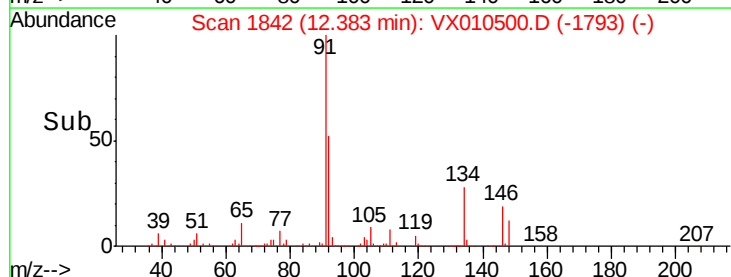
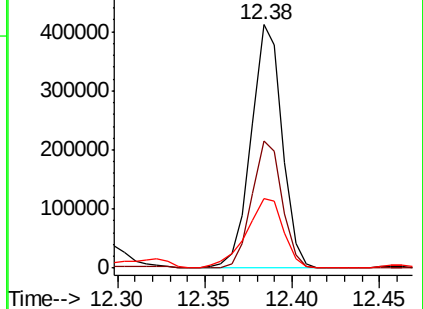
134 34.5 14.1 42.4

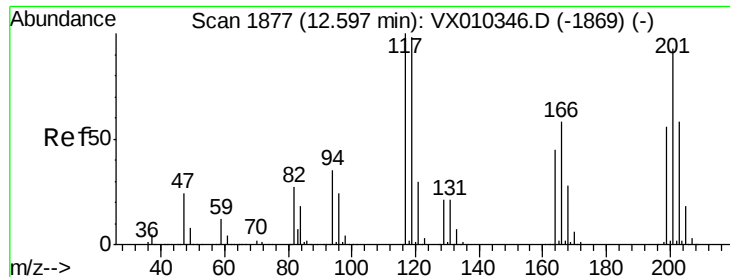


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

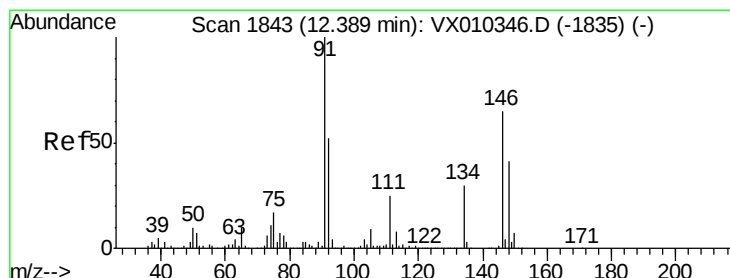
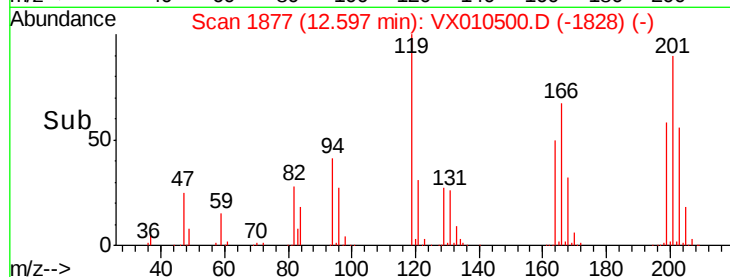
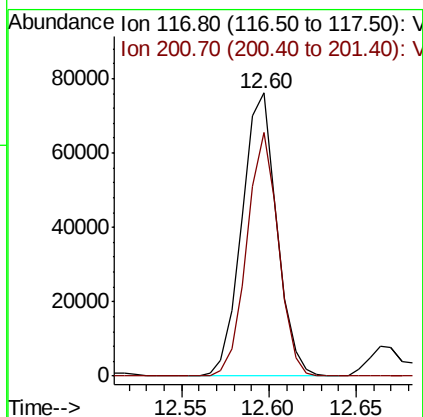
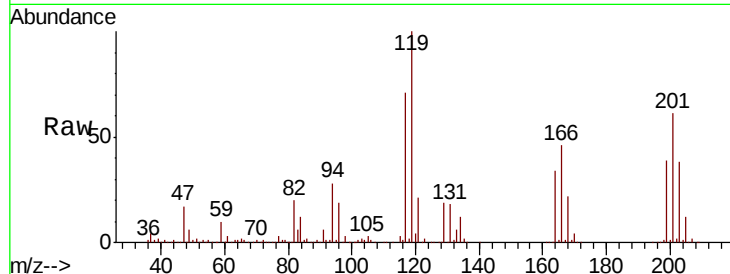




#90
Hexachloroethane
Concen: 56.647 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

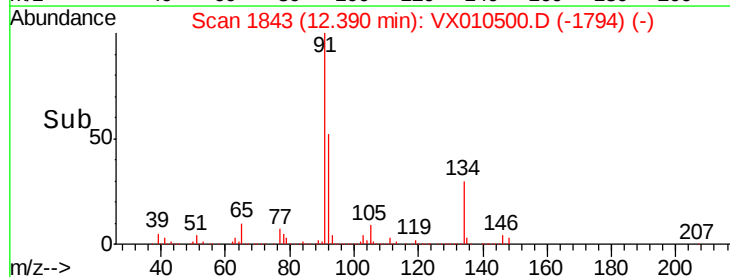
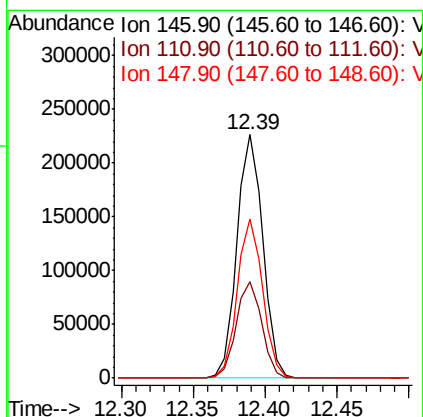
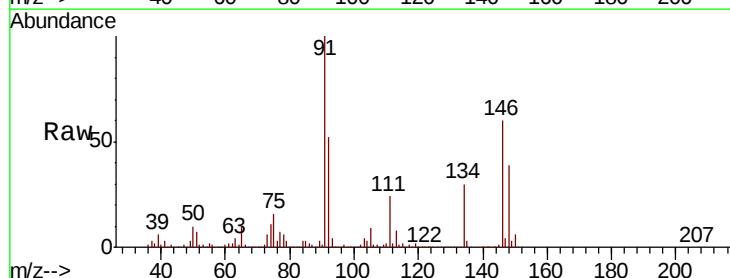
Instrument :
MSVOA_X
ClientSampleId :

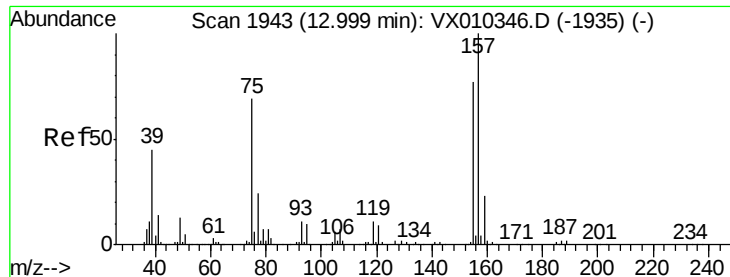
Tot Ion:117 Resp: 105860
Ion Ratio Lower Upper
117 100
201 77.2 44.0 131.8



#91
1,2-Dichlorobenzene
Concen: 48.830 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010500.D
Acq: 27 Jun 2019 19:36

Tgt Ion:146 Resp: 284494
Ion Ratio Lower Upper
146 100
111 39.3 19.2 57.6
148 63.8 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.877 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

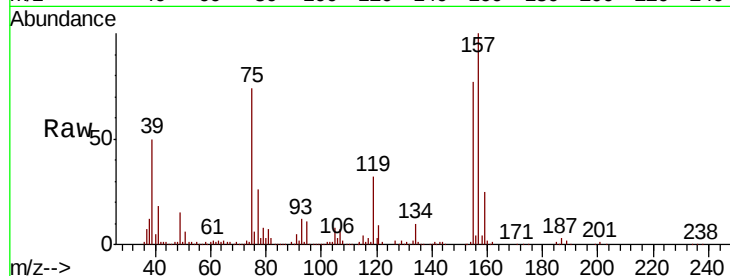
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 44550

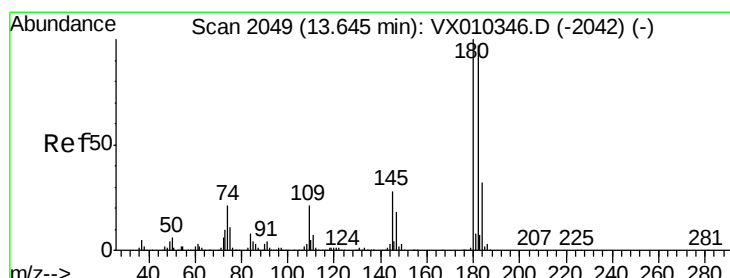
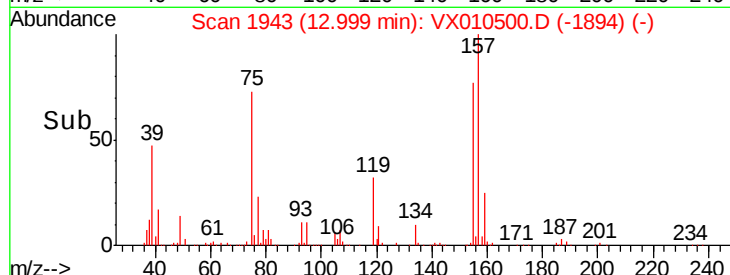
Ion	Ratio	Lower	Upper
75	100		
155	97.7	54.4	163.1
157	126.5	69.5	208.3



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: 50.606 ug/l

RT: 13.65 min Scan# 2049

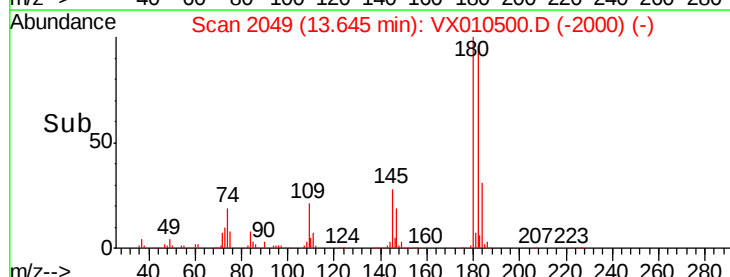
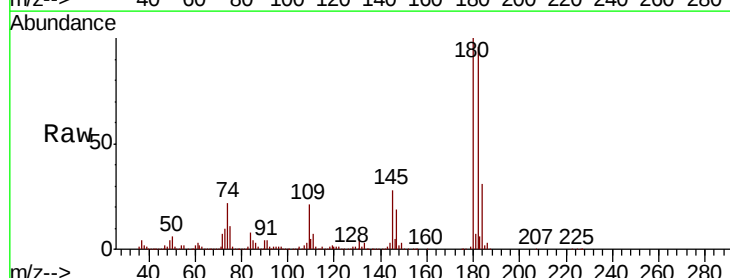
Delta R.T. 0.00 min

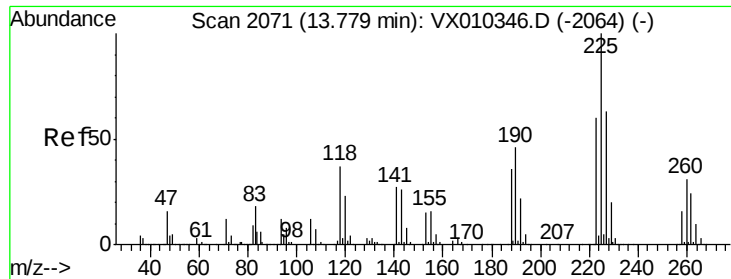
Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Tgt Ion:180 Resp: 204466

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	30.0	14.4	43.4





#94

Hexachlorobutadiene

Concen: 49.417 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

Instrument :

MSVOA_X

ClientSampleId :

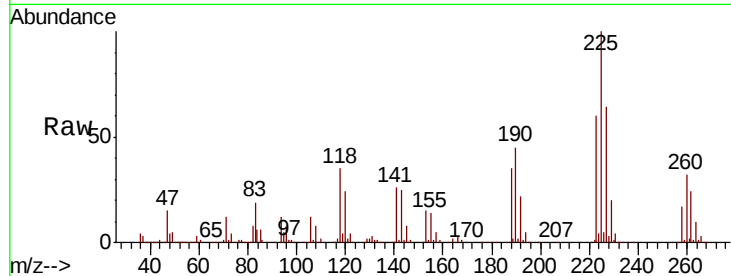
Tot Ion:225 Resp: 97582

Ion Ratio Lower Upper

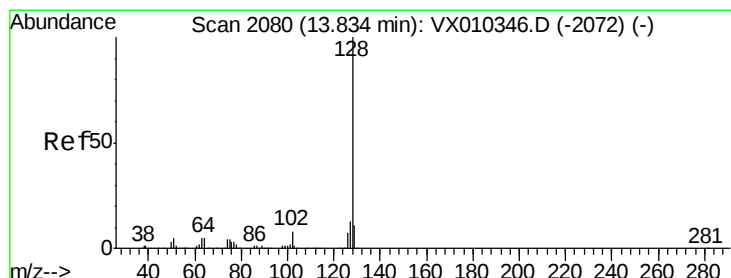
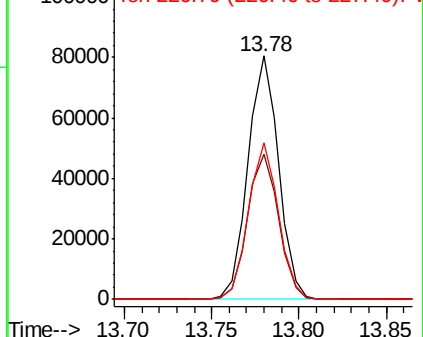
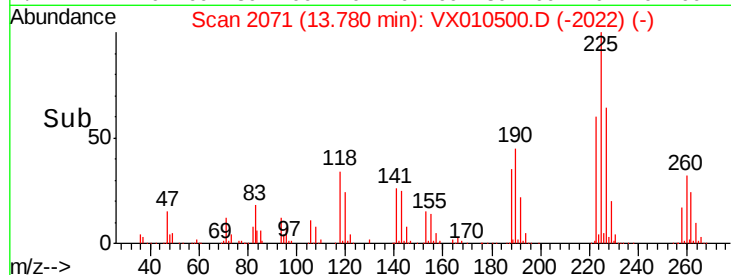
225 100

223 60.6 30.9 92.7

227 62.9 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 71.026 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX010500.D

Acq: 27 Jun 2019 19:36

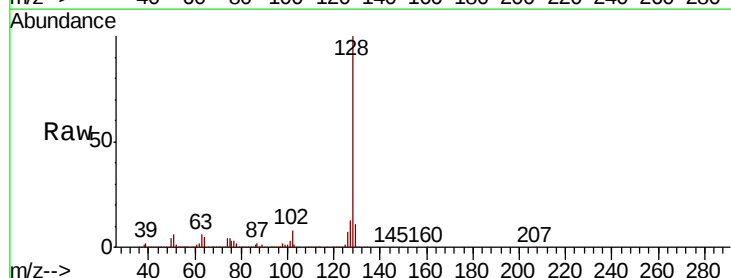
Tgt Ion:128 Resp: 881869

Ion Ratio Lower Upper

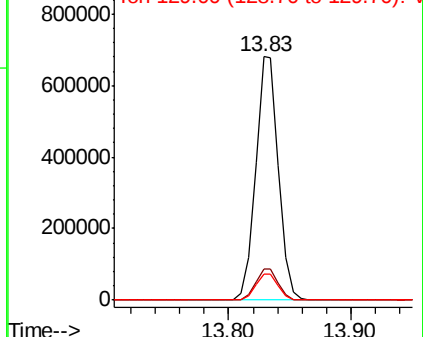
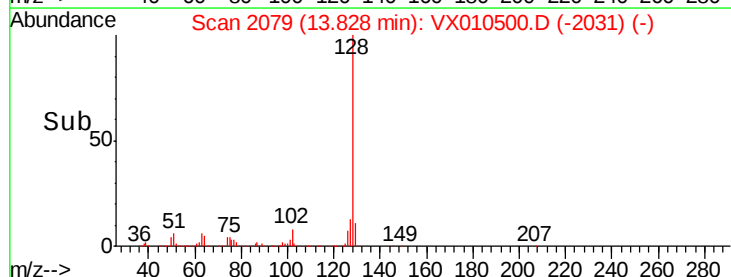
128 100

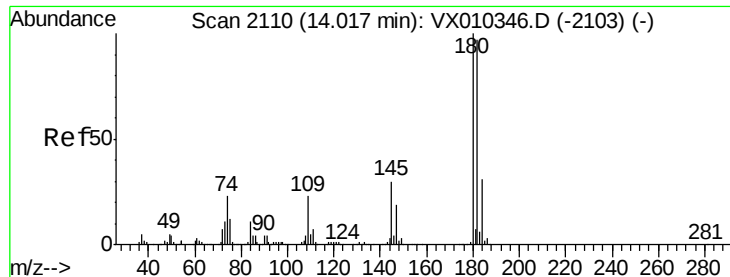
127 12.9 10.2 15.4

129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 50.615 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010500.D
 Acq: 27 Jun 2019 19:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	31.3	15.2	45.6

