

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010090.D
 Acq On : 05 Jun 2019 20:22
 Operator : JC/SP
 Sample : K3190-17MSD 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:35:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	156653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106077	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	5.50	113	78848	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	8.71	98	319197	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	118271	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	102190	53.383	ug/l	100
3) Chloromethane	1.32	50	116996	45.462	ug/l	99
4) Vinyl Chloride	1.41	62	108812	46.903	ug/l	99
5) Bromomethane	1.64	94	74841	53.245	ug/l	97
6) Chloroethane	1.71	64	65619	45.948	ug/l	96
7) Trichlorofluoromethane	1.92	101	124506	48.567	ug/l	100
8) Diethyl Ether	2.19	74	54439	45.189	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74409	48.075	ug/l	99
10) Methyl Iodide	2.51	142	96733	50.428	ug/l	99
11) Tert butyl alcohol	3.06	59	133908	245.891	ug/l	100
12) 1,1-Dichloroethene	2.37	96	78317	49.365	ug/l	99
13) Acrolein	2.29	56	87545	228.749	ug/l	99
14) Allyl chloride	2.73	41	184530	47.856	ug/l	99
15) Acrylonitrile	3.14	53	313546	238.954	ug/l	100
16) Acetone	2.45	43	274073	214.364	ug/l	99
17) Carbon Disulfide	2.57	76	233712	48.662	ug/l	99
18) Methyl Acetate	2.78	43	138592	46.586	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	298475	49.833	ug/l	98
20) Methylene Chloride	2.85	84	93234	47.619	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	84300	47.756	ug/l	97
22) Diisopropyl ether	3.85	45	356088	48.536	ug/l	95
23) Vinyl Acetate	3.81	43	1625671	246.655	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172818	48.606	ug/l	100
25) 2-Butanone	4.67	43	471135	236.520	ug/l	100
26) 2,2-Dichloropropane	4.59	77	107328	39.905	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	97555	47.876	ug/l	95
28) Bromochloromethane	5.02	49	79613	43.150	ug/l	96
29) Tetrahydrofuran	5.13	42	311759	244.066	ug/l	99
30) Chloroform	5.21	83	158613	49.466	ug/l	99
31) Cyclohexane	5.58	56	168841	50.139	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	133199	51.007	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123066	48.671	ug/l	100
37) Ethyl Acetate	4.84	43	174132	49.425	ug/l	99
38) Carbon Tetrachloride	5.78	117	112781	51.616	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	146676	48.904	ug/l	98
40) Benzene	6.14	78	376041	50.134	ug/l	99
41) Methacrylonitrile	5.04	41	100714	48.921	ug/l	99
42) 1,2-Dichloroethane	6.19	62	137378	49.542	ug/l	100
43) Isopropyl Acetate	6.45	43	276520	48.642	ug/l	99
44) Trichloroethene	7.21	130	90413	49.624	ug/l	96
45) 1,2-Dichloropropane	7.51	63	106345	49.252	ug/l	96
46) Dibromomethane	7.66	93	61977	48.764	ug/l	97
47) Bromodichloromethane	7.90	83	125016	51.726	ug/l	98
48) Methyl methacrylate	7.77	41	142667	50.696	ug/l	99
49) 1,4-Dioxane	7.74	88	54978	1050.277	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	939865	254.153	ug/l	100
52) Toluene	8.78	92	234982	51.597	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	143198	49.403	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	154794	49.014	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	93188	50.839	ug/l	99
56) Ethyl methacrylate	9.18	69	173741	53.241	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165958	50.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	349256	204.101	ug/l	99
59) 2-Hexanone	9.49	43	726745	255.256	ug/l	99
60) Dibromochloromethane	9.58	129	95314	52.861	ug/l	99
61) 1,2-Dibromoethane	9.67	107	96650	51.324	ug/l	100
64) Tetrachloroethene	9.34	164	80073	49.125	ug/l	99
65) Chlorobenzene	10.13	112	242580	49.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88821	52.420	ug/l	99
67) Ethyl Benzene	10.25	91	449774	51.276	ug/l	99
68) m/p-Xylenes	10.36	106	331782	102.385	ug/l	98
69) o-Xylene	10.70	106	160565	51.665	ug/l	100
70) Styrene	10.71	104	285031	52.303	ug/l	99
71) Bromoform	10.85	173	74811	54.014	ug/l	99
73) Isopropylbenzene	11.02	105	426808	49.801	ug/l	99
74) N-amyl acetate	10.90	43	251244	49.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	154024	48.173	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	184902	66.568	ug/l	81
77) Bromobenzene	11.26	156	108833	49.830	ug/l	95
78) n-propylbenzene	11.36	91	495691	50.179	ug/l	100
79) 2-Chlorotoluene	11.42	91	294164	48.739	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	364598	50.498	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52517	46.779	ug/l	99
82) 4-Chlorotoluene	11.51	91	342119	48.693	ug/l	99
83) tert-Butylbenzene	11.77	119	349443	50.589	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	365227	49.811	ug/l	100
85) sec-Butylbenzene	11.94	105	411010	50.016	ug/l	99
86) p-Isopropyltoluene	12.06	119	373380	50.515	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190399	48.966	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	190581	48.060	ug/l	99
89) n-Butylbenzene	12.38	91	333923	48.071	ug/l	99
90) Hexachloroethane	12.59	117	64433	50.796	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	190328	49.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35570	47.263	ug/l	94

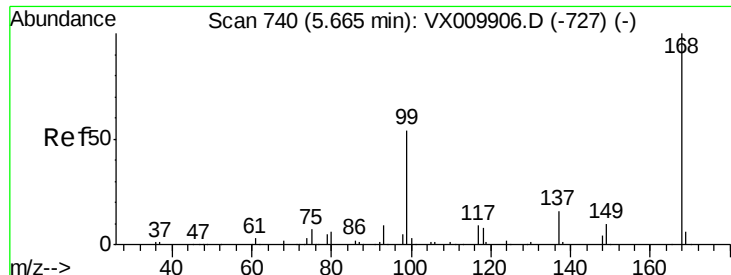
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134620	49.138	ug/l	100
94) Hexachlorobutadiene	13.78	225	59546	43.334	ug/l	100
95) Naphthalene	13.83	128	431903	50.660	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134265	48.961	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

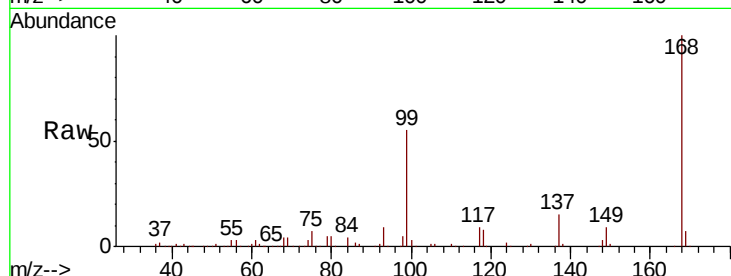
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 156653

Ion Ratio Lower Upper

168 100

99 54.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

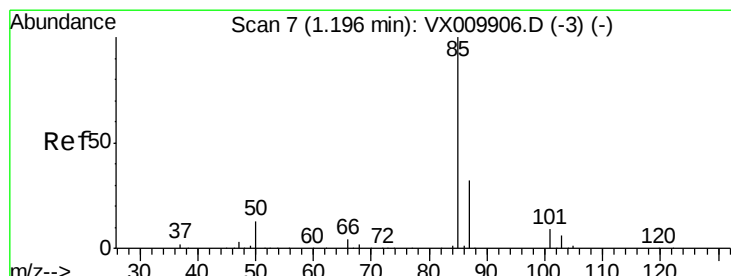
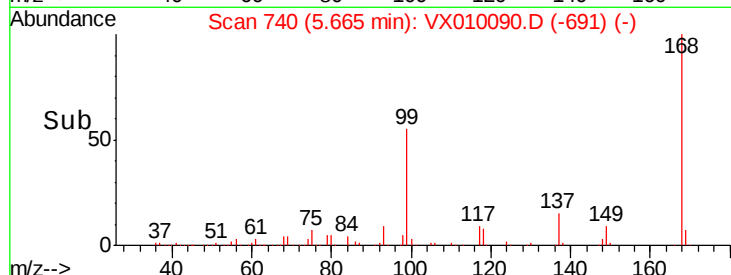
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.383 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010090.D

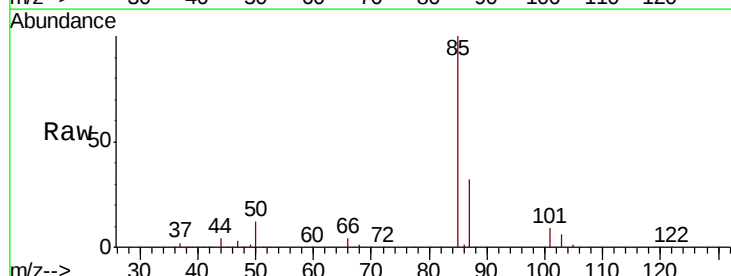
Acq: 05 Jun 2019 20:22

Tgt Ion: 85 Resp: 102190

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

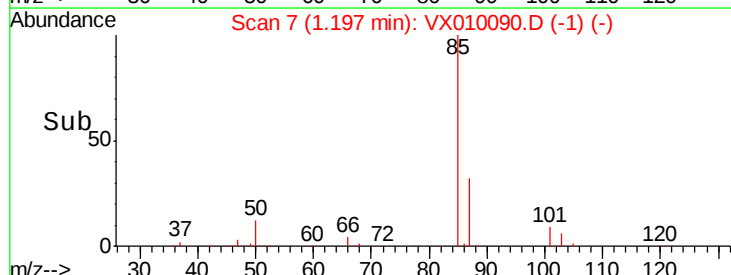
60000

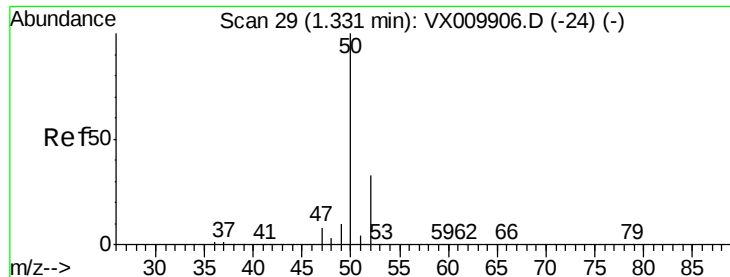
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.462 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

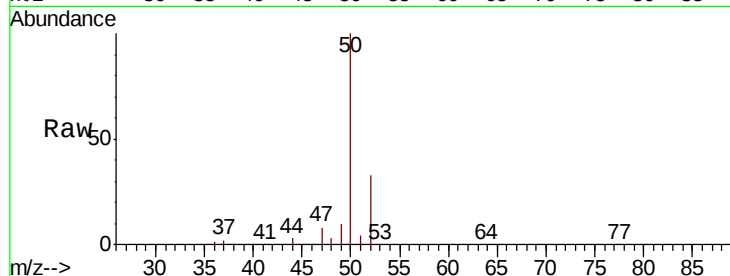
ClientSampleId :

Tot Ion: 50 Resp: 116996

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

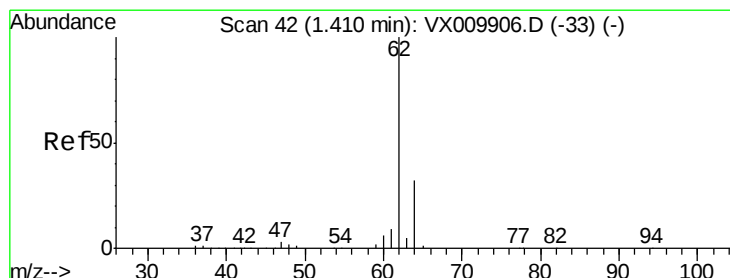
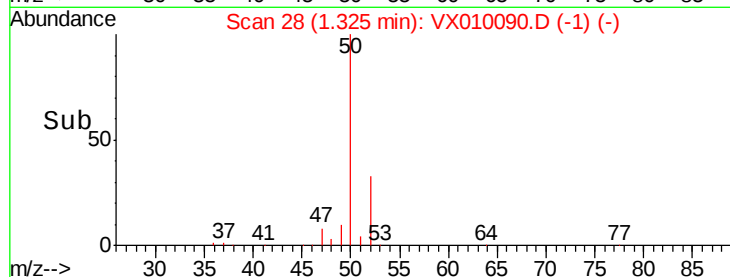
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 46.903 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010090.D

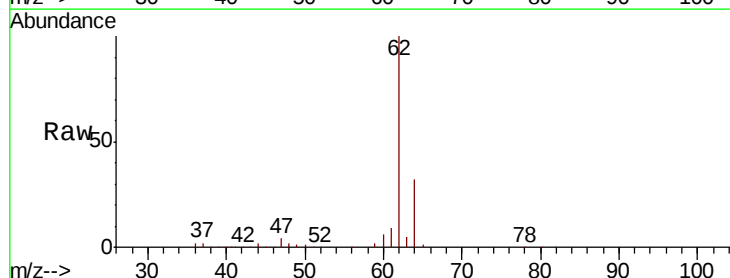
Acq: 05 Jun 2019 20:22

Tgt Ion: 62 Resp: 108812

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

120000

100000

80000

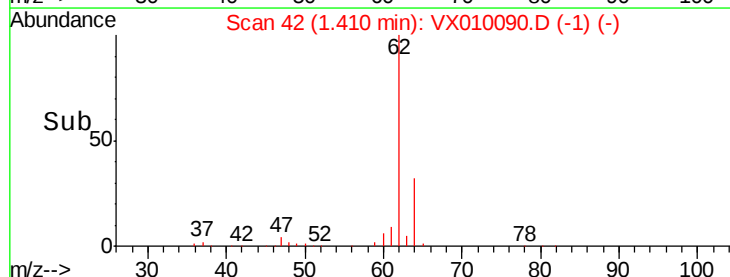
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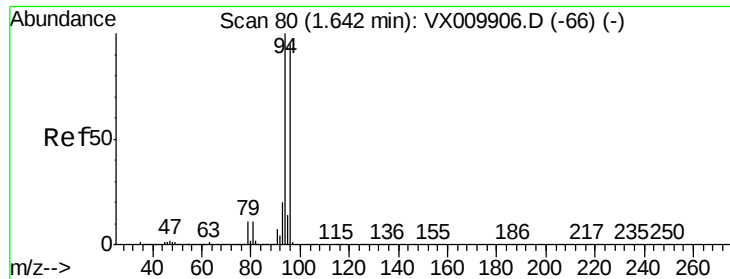
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 53.245 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

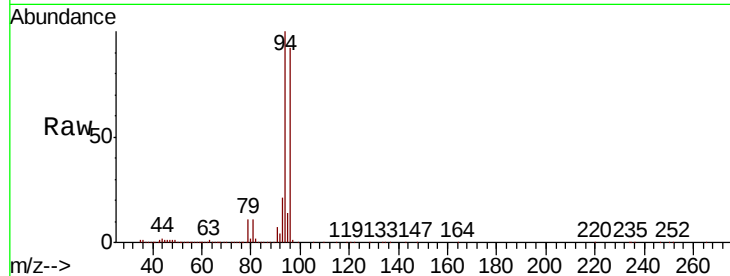
ClientSampleId :

Tot Ion: 94 Resp: 74841

Ion Ratio Lower Upper

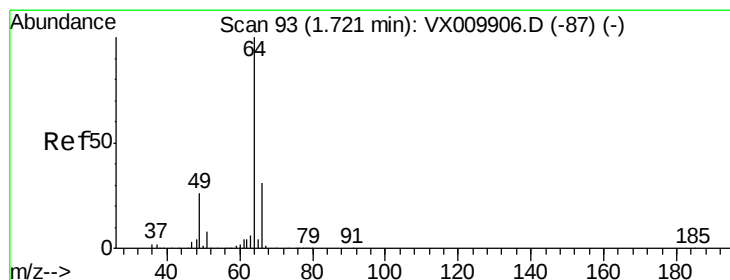
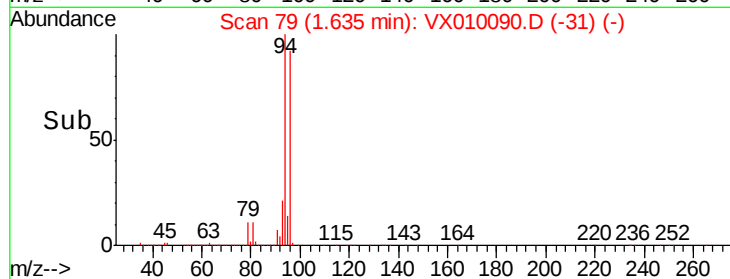
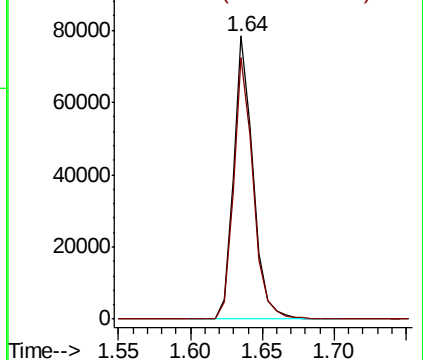
94 100

96 92.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.948 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010090.D

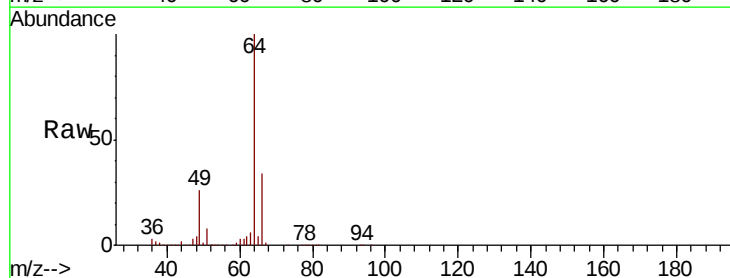
Acq: 05 Jun 2019 20:22

Tgt Ion: 64 Resp: 65619

Ion Ratio Lower Upper

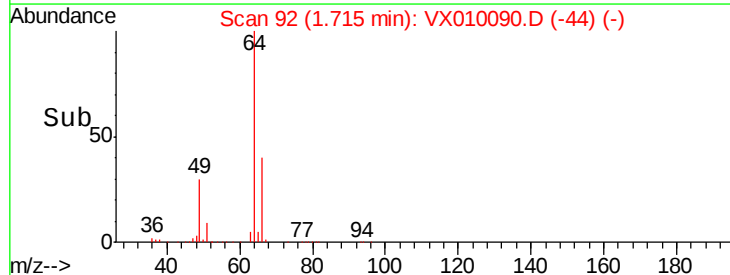
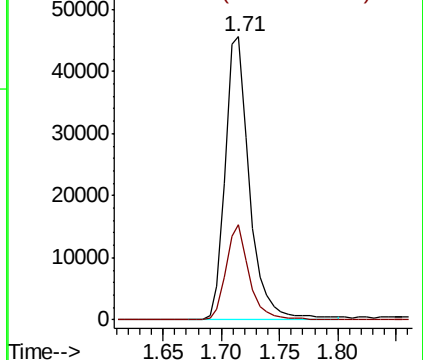
64 100

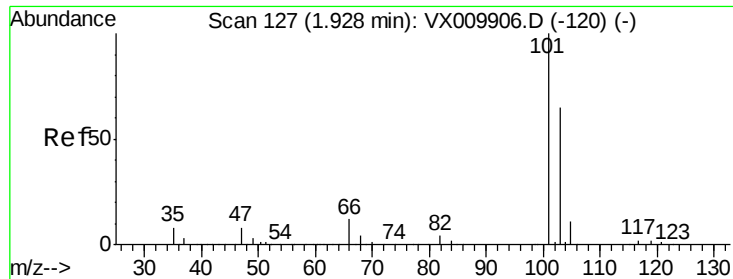
66 33.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



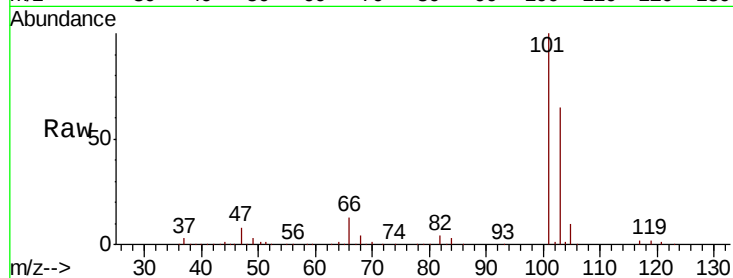


#7

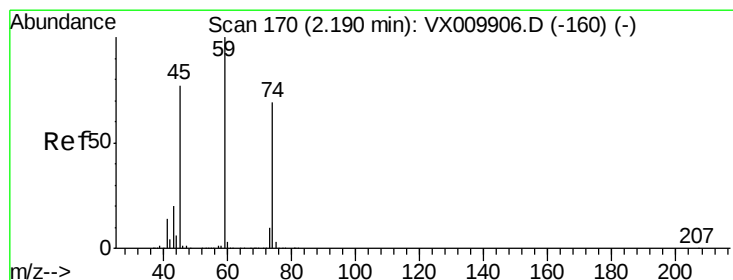
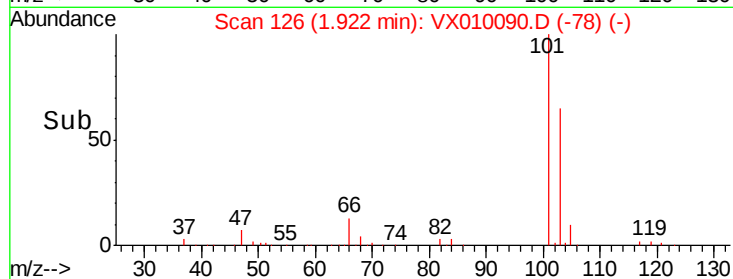
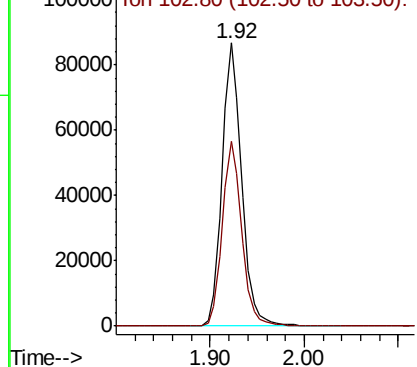
Trichlorofluoromethane
 Concen: 48.567 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:101 Resp: 124506
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.2 78.4



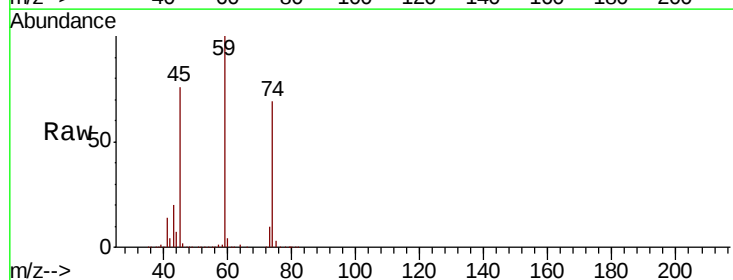
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



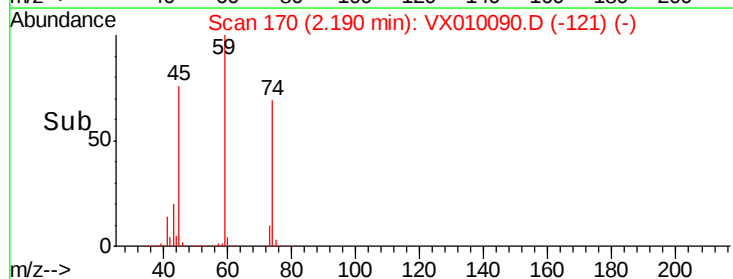
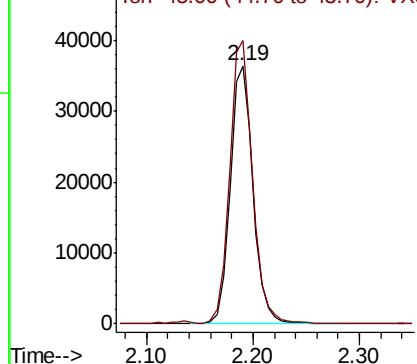
#8

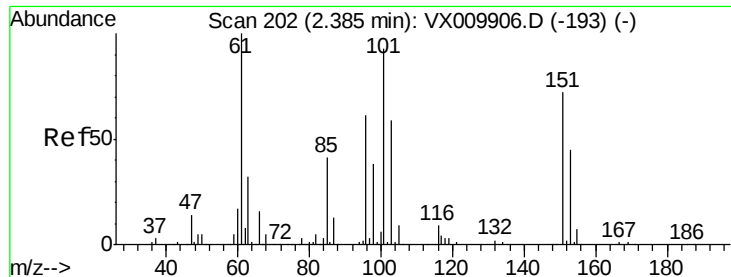
Diethyl Ether
 Concen: 45.189 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion: 74 Resp: 54439
 Ion Ratio Lower Upper
 74 100
 45 108.7 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.075 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

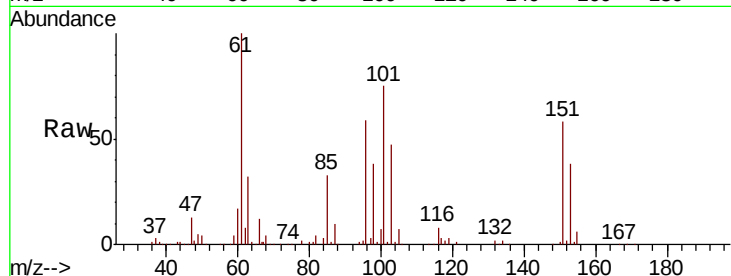
Tot Ion:101 Resp: 74409

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

151 78.7 61.9 92.9

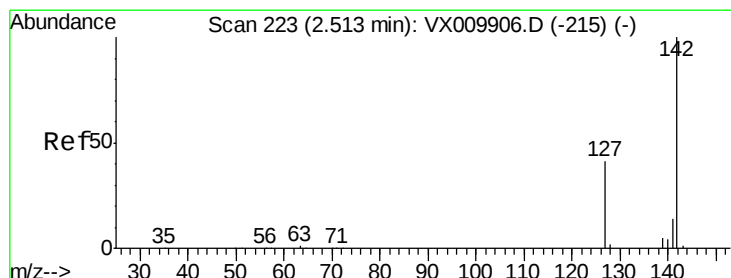
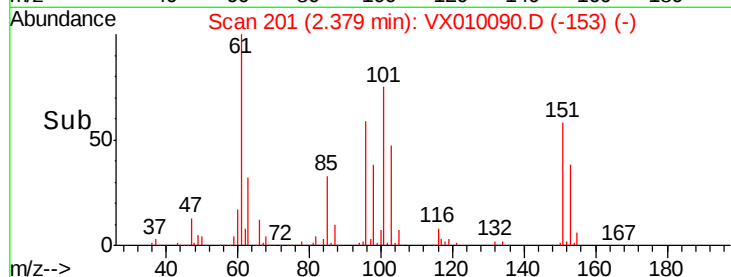
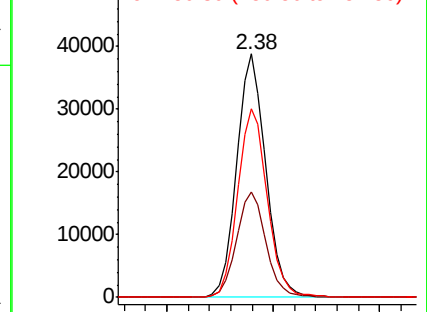


Abundance

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: 50.428 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

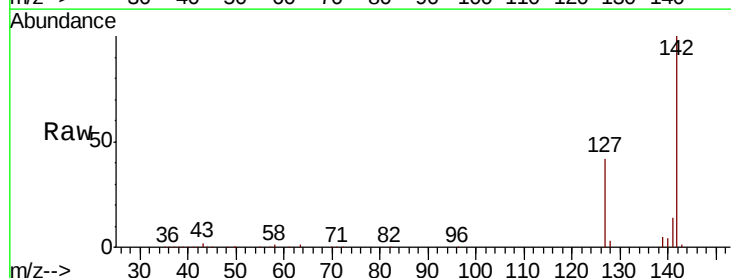
Tgt Ion:142 Resp: 96733

Ion Ratio Lower Upper

142 100

127 41.7 33.0 49.4

141 14.3 11.4 17.0

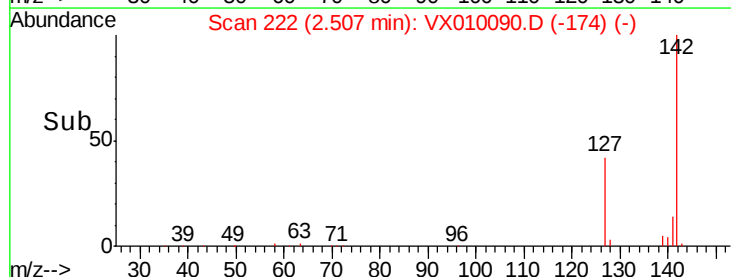
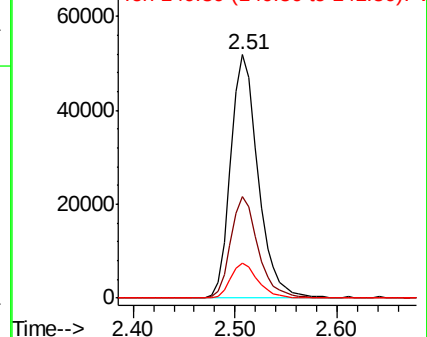


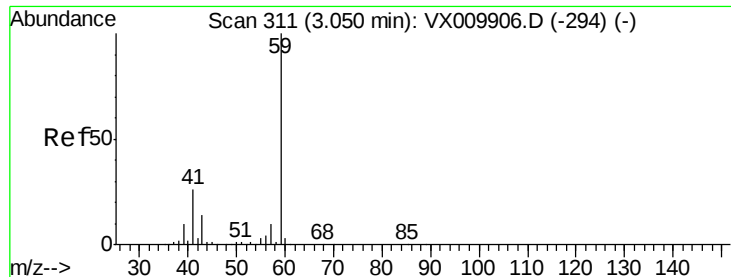
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



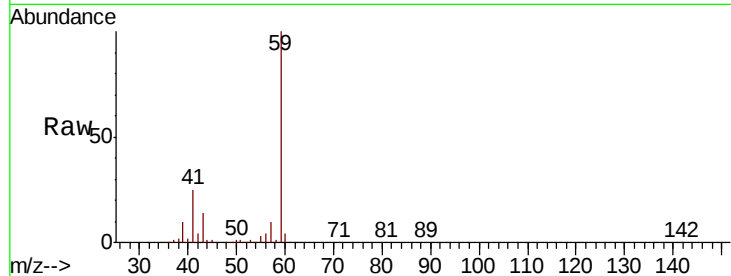


#11

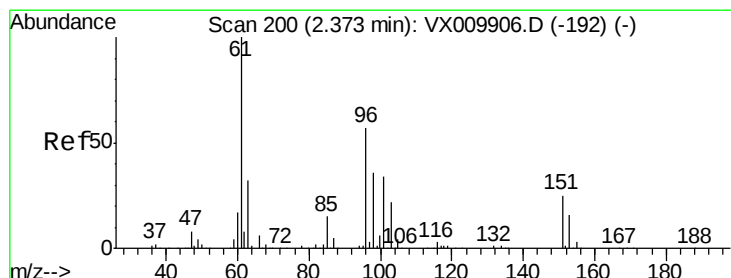
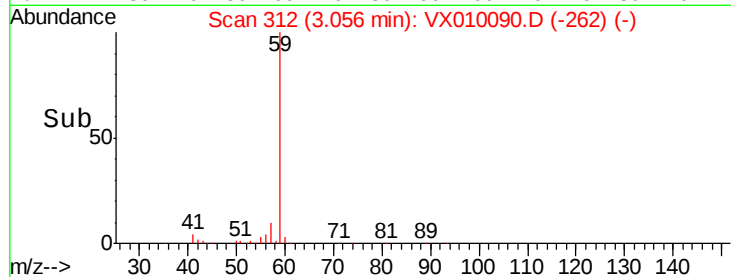
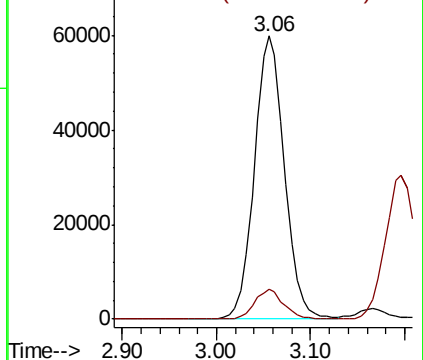
Tert butyl alcohol
 Concen: 245.891 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 59 Resp: 133908
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2



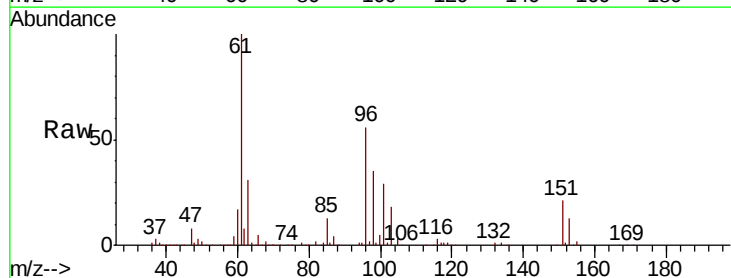
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



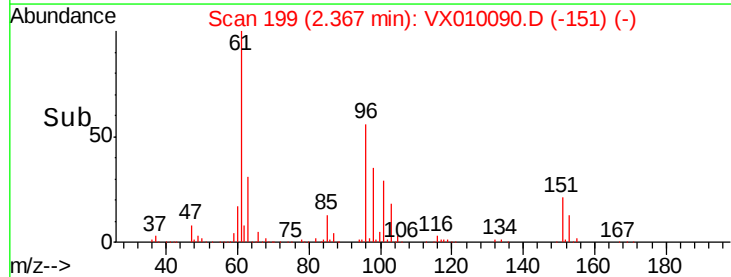
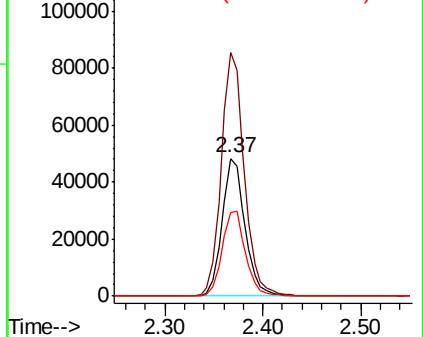
#12

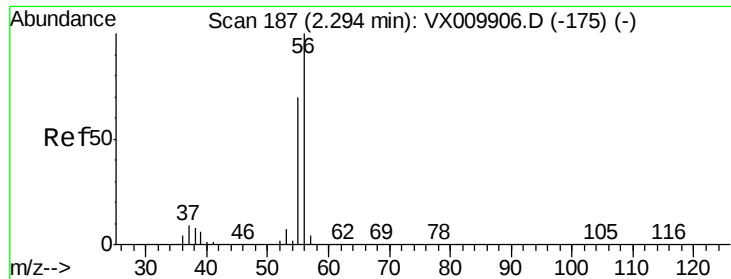
1,1-Dichloroethene
 Concen: 49.365 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion: 96 Resp: 78317
 Ion Ratio Lower Upper
 96 100
 61 177.2 140.7 211.1
 98 61.2 50.1 75.1



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





#13

Acrolein

Concen: 228.749 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

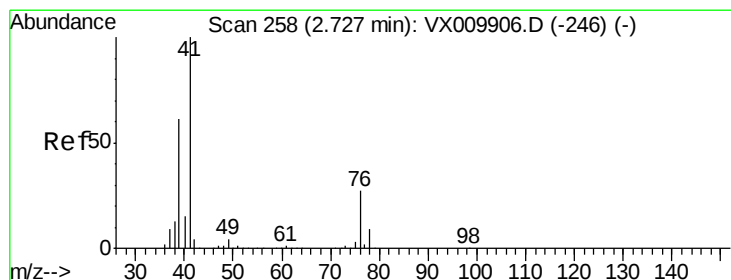
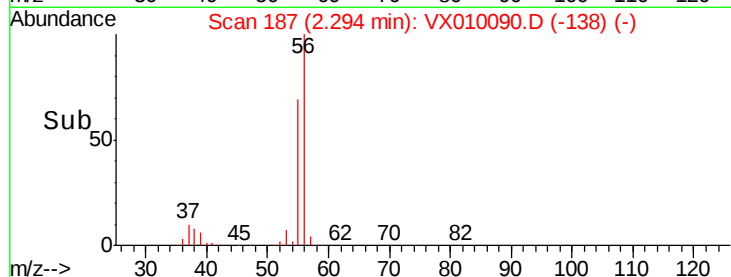
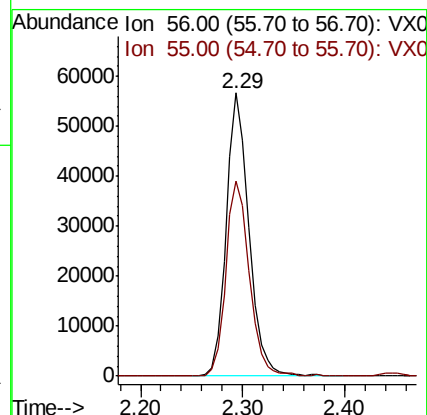
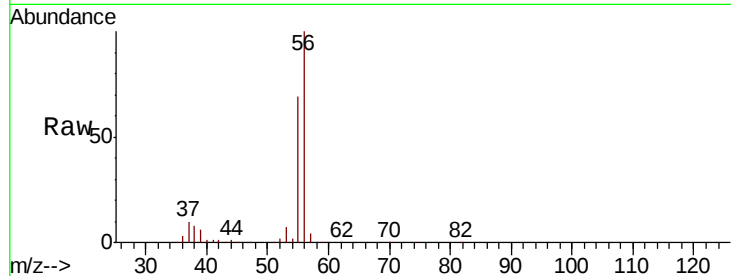
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 87545

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.4



#14

Allyl chloride

Concen: 47.856 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

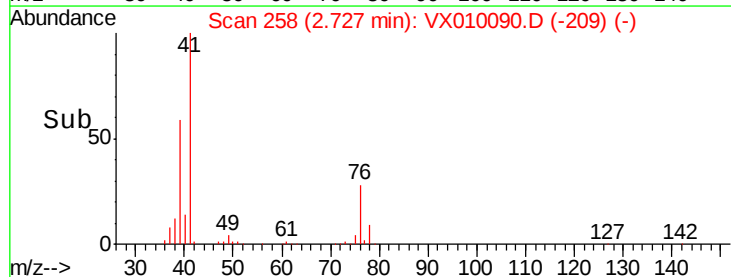
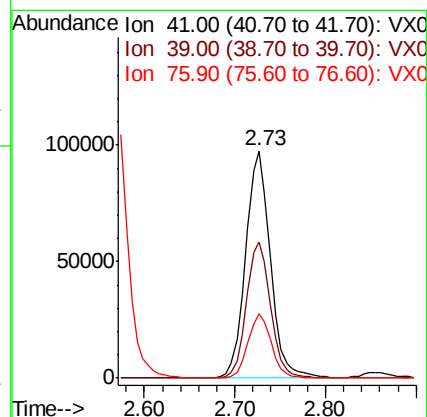
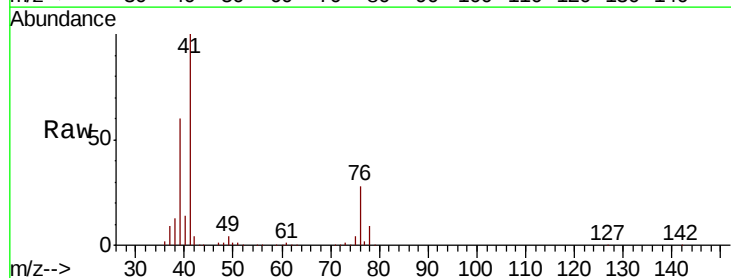
Tgt Ion: 41 Resp: 184530

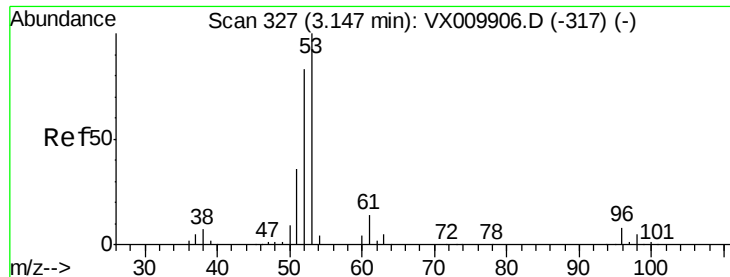
Ion Ratio Lower Upper

41 100

39 58.9 46.7 70.1

76 26.5 21.0 31.4





#15

Acrylonitrile

Concen: 238.954 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

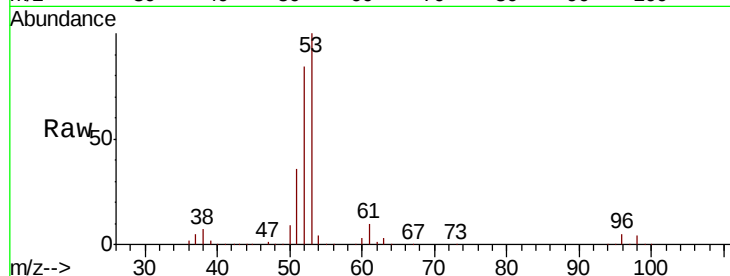
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 53 Resp: 313546

Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.7	100.1
51	35.8	28.8	43.2

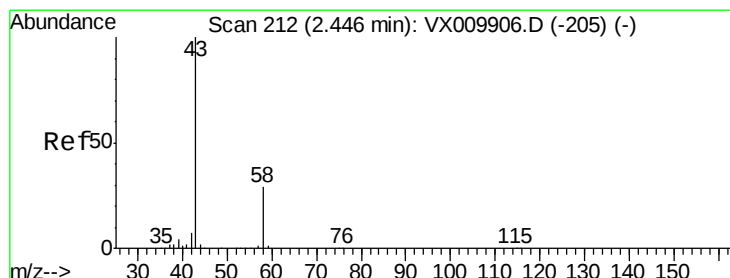
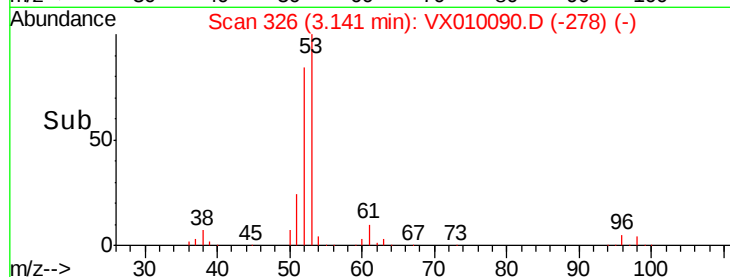


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 214.364 ug/l

RT: 2.45 min Scan# 212

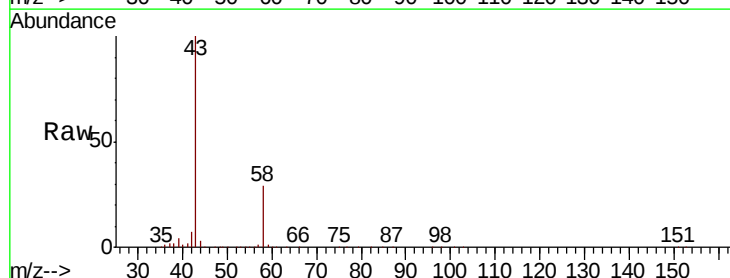
Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Tgt Ion: 43 Resp: 274073

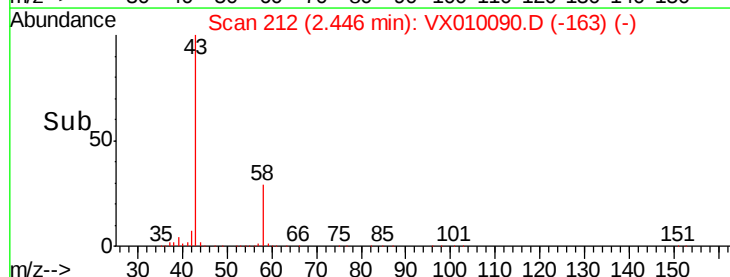
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.2	34.8

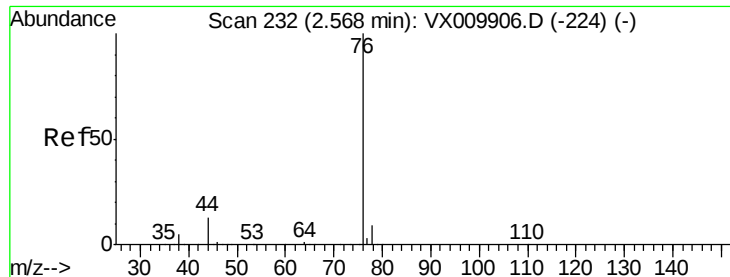


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

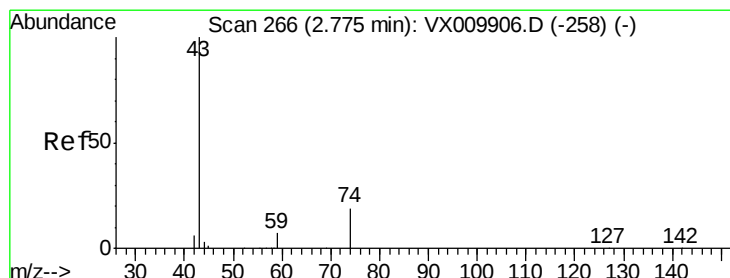
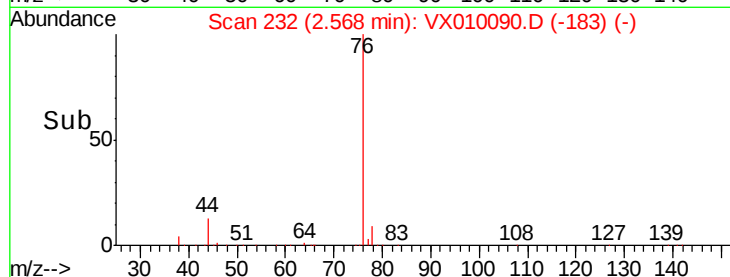
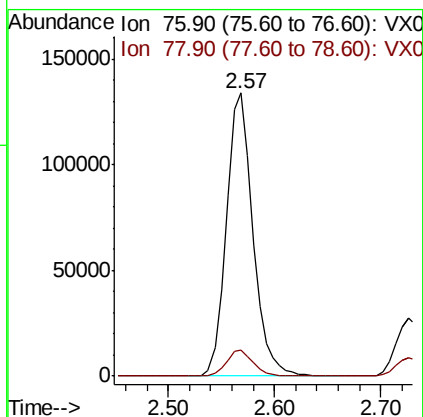
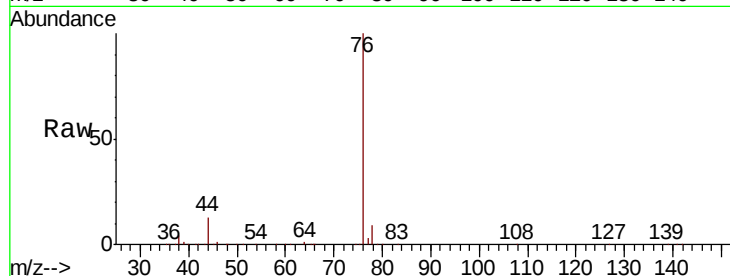




#17
Carbon Disulfide
Concen: 48.662 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

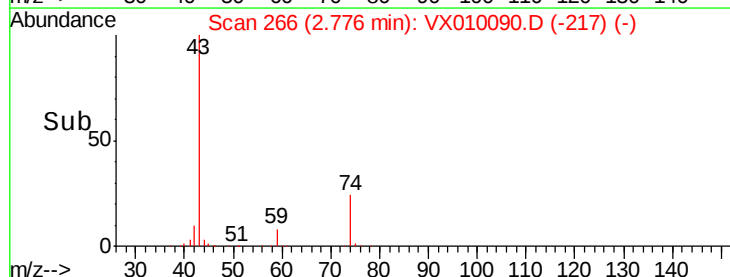
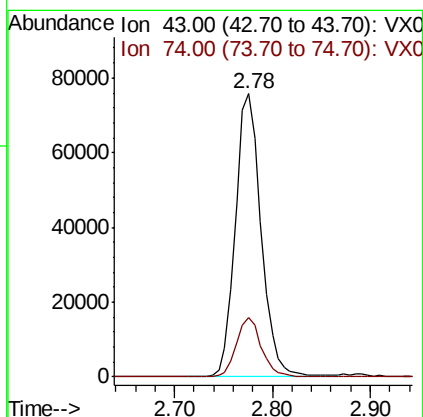
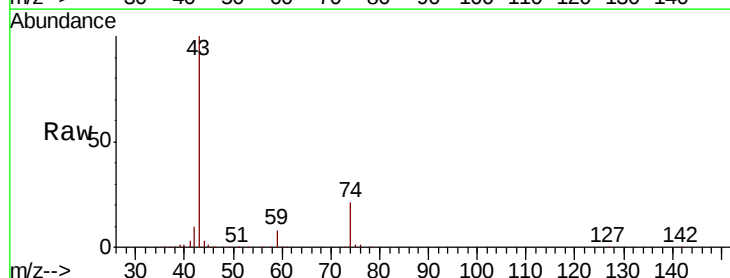
Instrument :
MSVOA_X
ClientSampled :

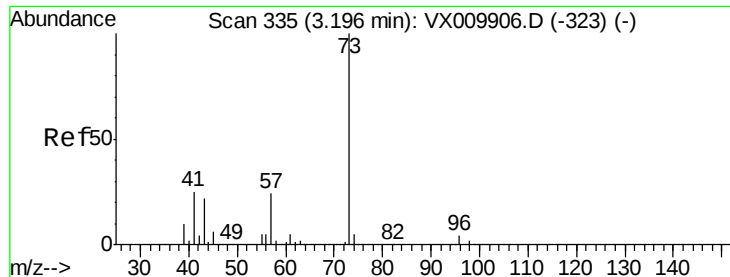
Tot Ion: 76 Resp: 233712
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 46.586 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion: 43 Resp: 138592
Ion Ratio Lower Upper
43 100
74 20.7 15.8 23.6



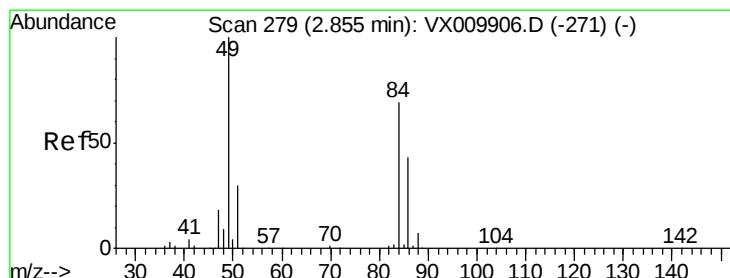
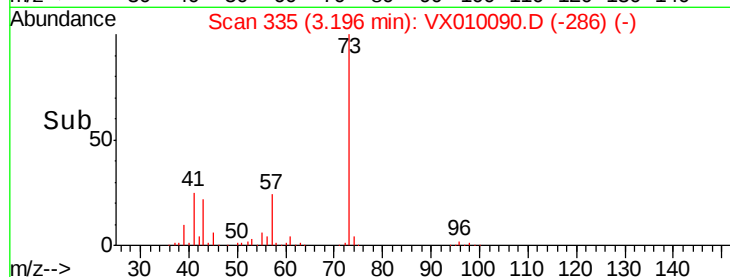
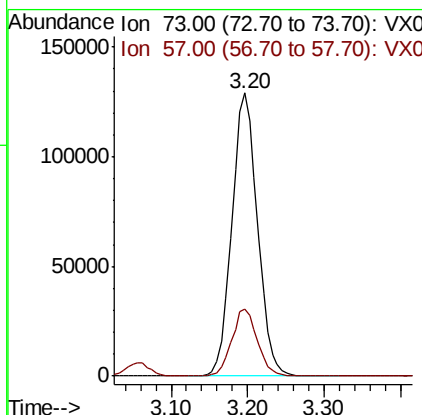
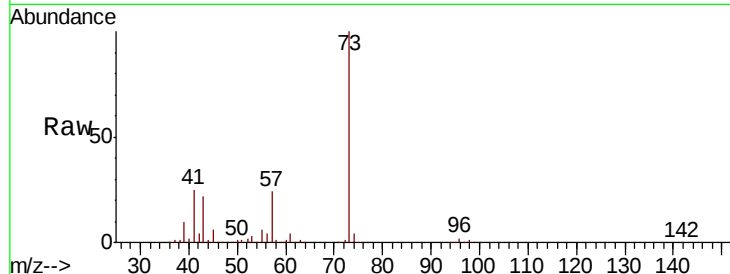


#19

Methyl tert-butyl Ether
 Concen: 49.833 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :

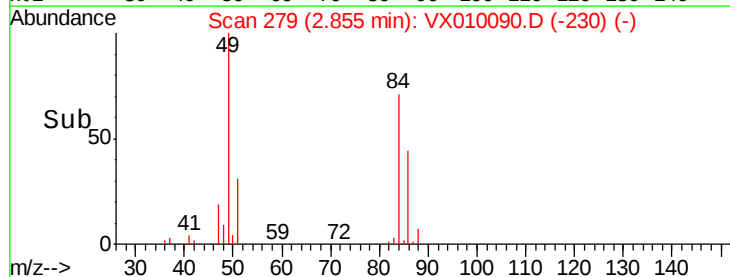
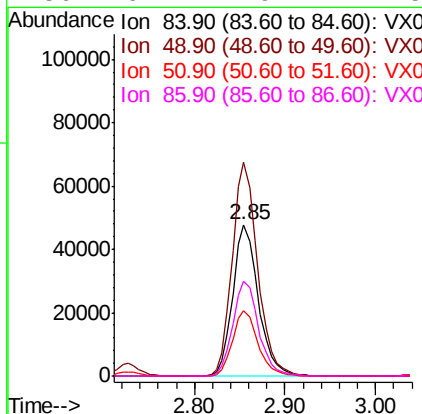
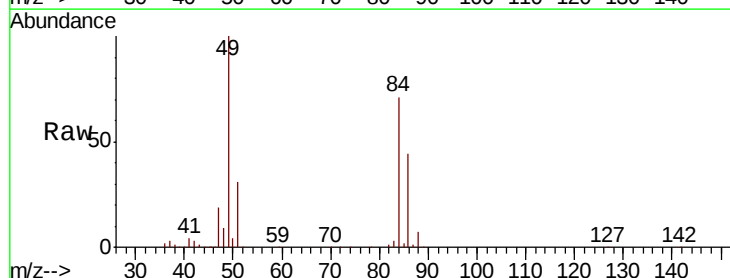
Tot Ion: 73 Resp: 298475
 Ion Ratio Lower Upper
 73 100
 57 23.5 19.4 29.2

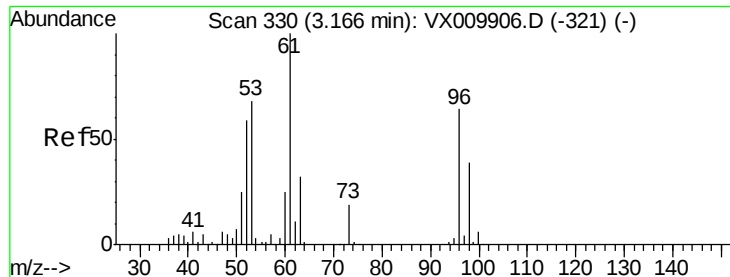


#20

Methylene Chloride
 Concen: 47.619 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion: 84 Resp: 93234
 Ion Ratio Lower Upper
 84 100
 49 141.1 115.8 173.6
 51 43.0 34.4 51.6
 86 62.7 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 47.756 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampled :

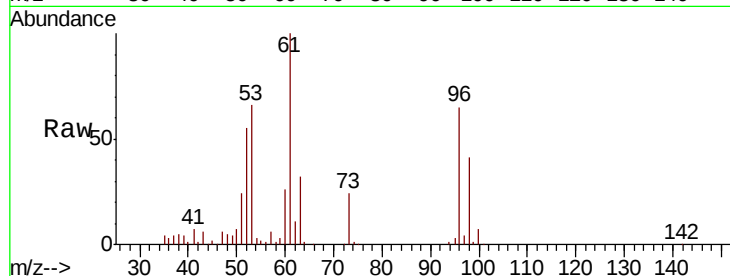
Tot Ion: 96 Resp: 84300

Ion Ratio Lower Upper

96 100

61 153.3 125.7 188.5

98 63.4 49.0 73.6

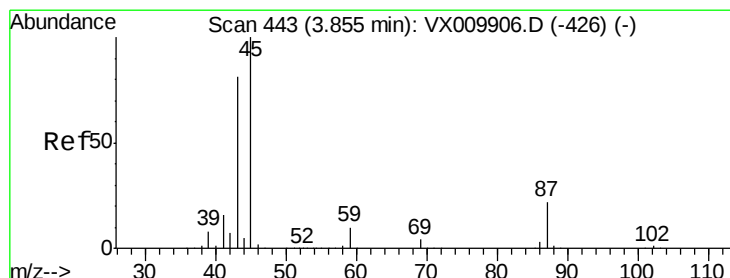
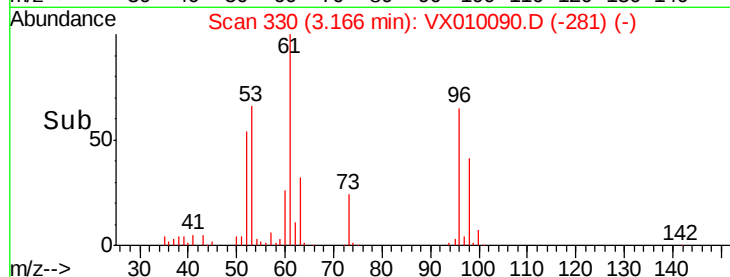
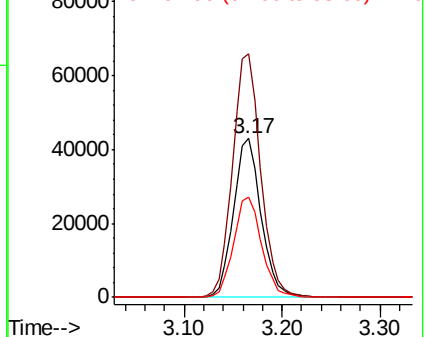


Abundance

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: 48.536 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Tgt Ion: 45 Resp: 356088

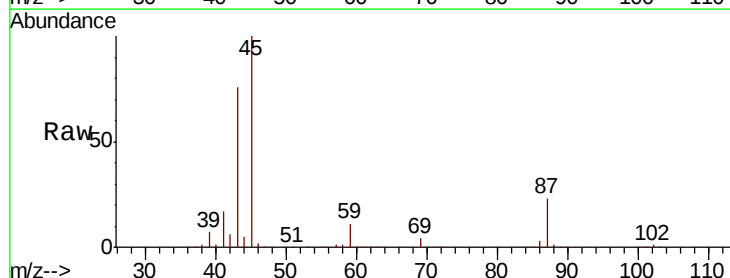
Ion Ratio Lower Upper

45 100

43 76.2 65.0 97.4

87 23.2 17.3 25.9

59 10.6 8.1 12.1



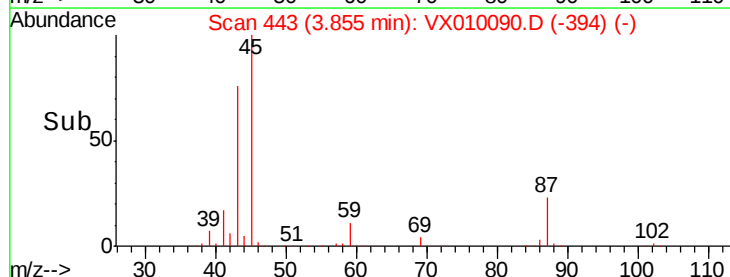
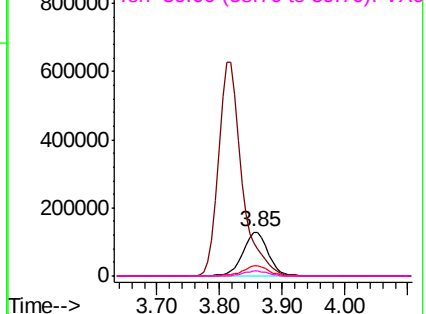
Abundance

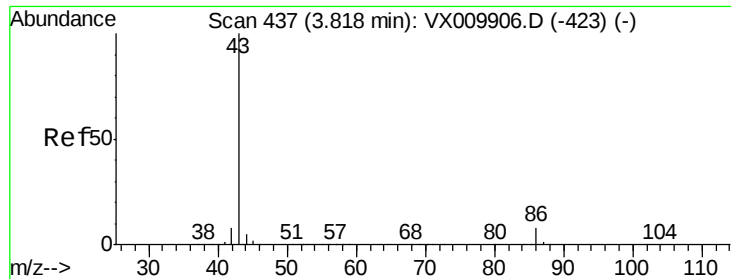
Ion 45.00 (44.70 to 45.70): VX0

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: 246.655 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

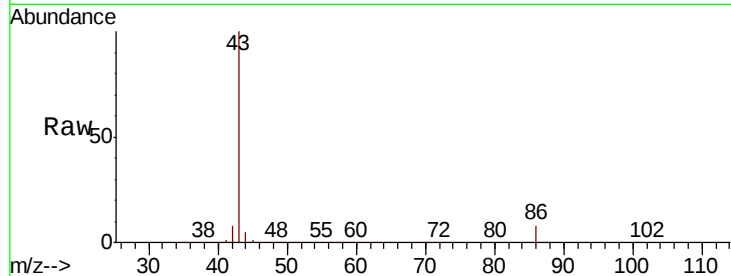
ClientSampled :

Tot Ion: 43 Resp: 1625671

Ion Ratio Lower Upper

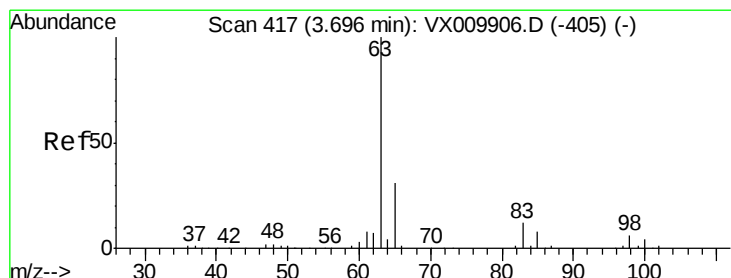
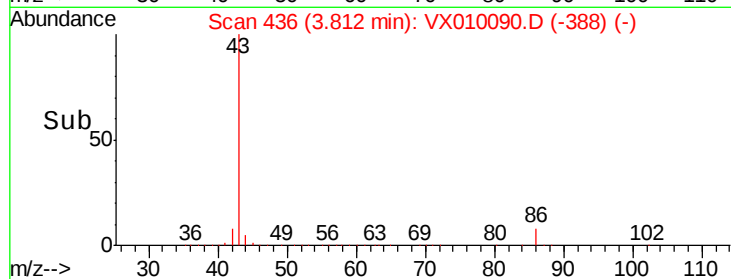
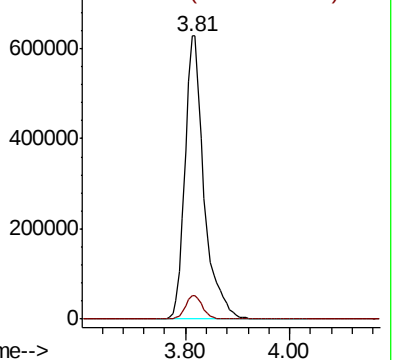
43 100

86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.606 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

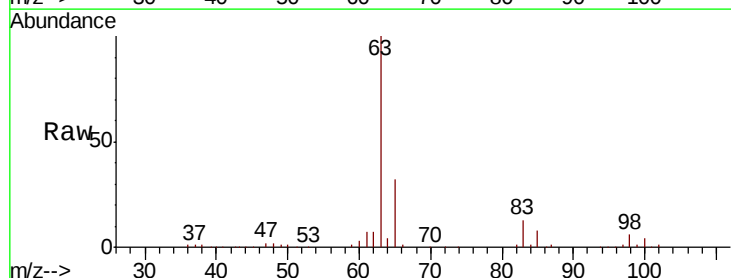
Tgt Ion: 63 Resp: 172818

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

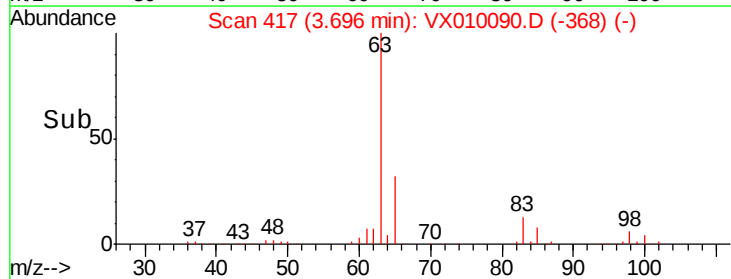
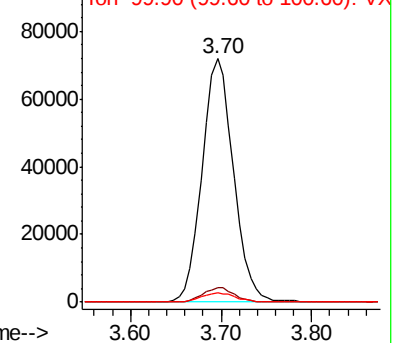
100 3.8 1.8 5.4

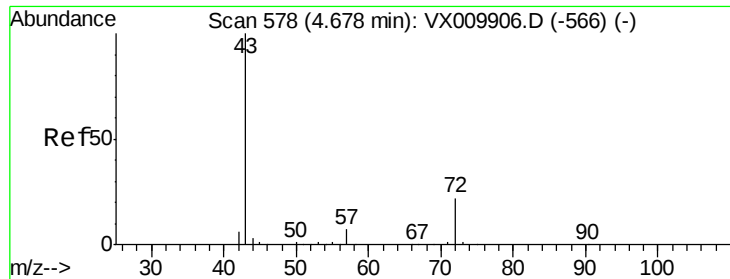


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 236.520 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

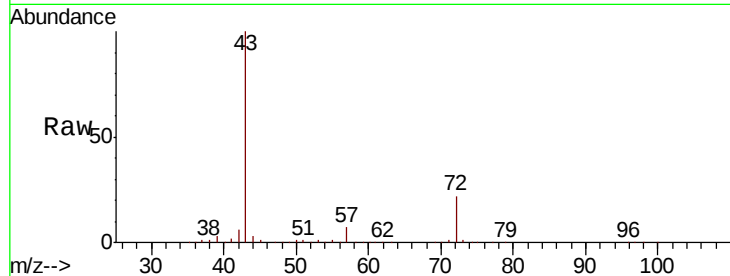
ClientSampled :

Tot Ion: 43 Resp: 471135

Ion Ratio Lower Upper

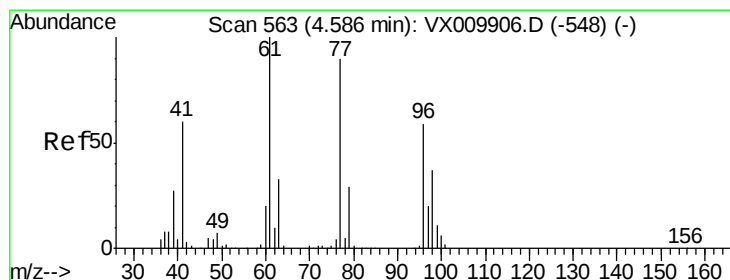
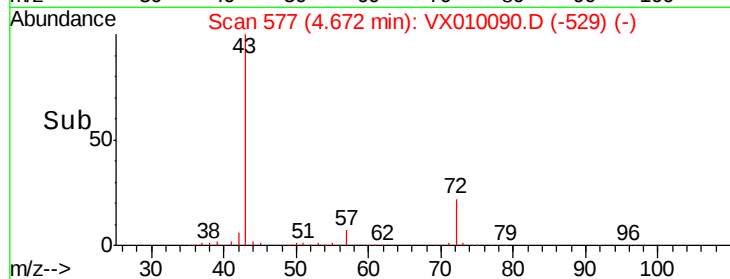
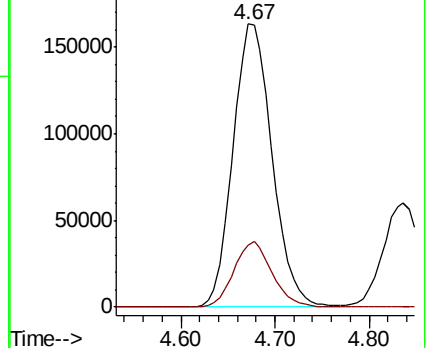
43 100

72 22.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 39.905 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX010090.D

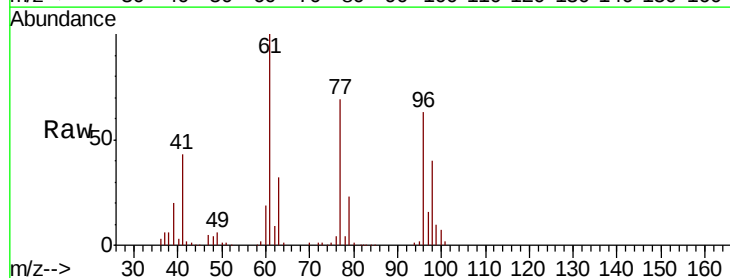
Acq: 05 Jun 2019 20:22

Tgt Ion: 77 Resp: 107328

Ion Ratio Lower Upper

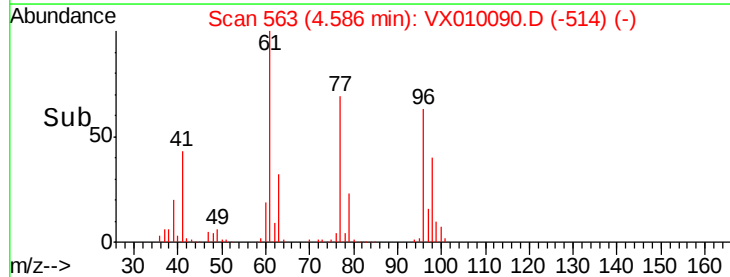
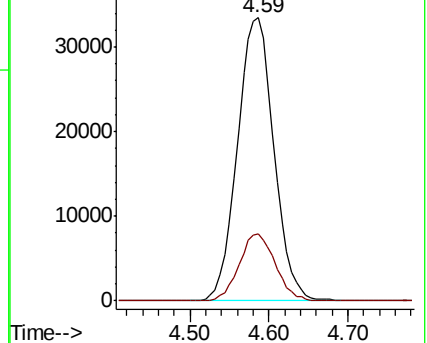
77 100

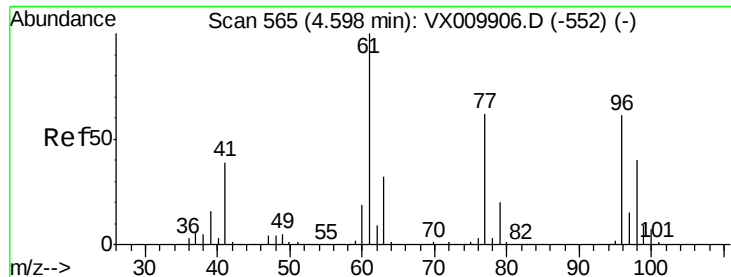
97 23.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



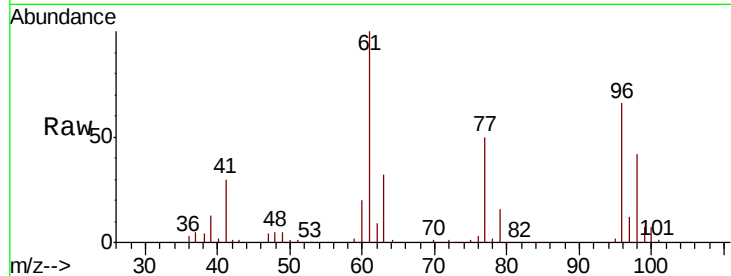


#27

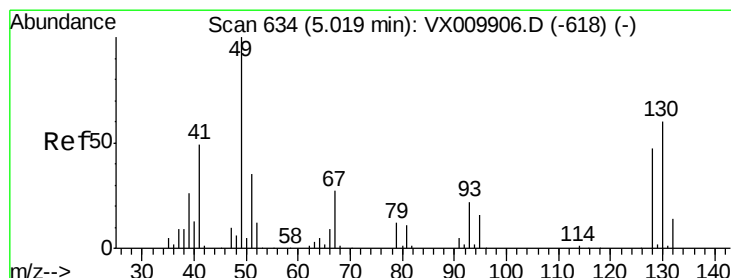
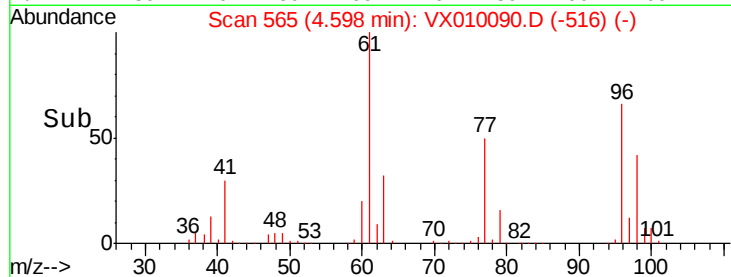
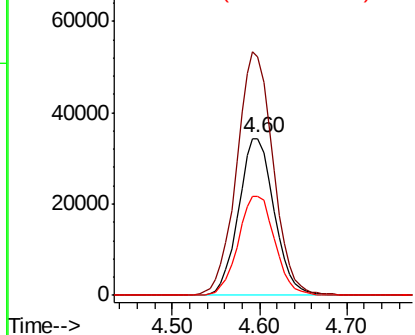
cis-1,2-Dichloroethene
Concen: 47.876 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	96	Resp	97555
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	334.0
98	64.7	0.0	131.6



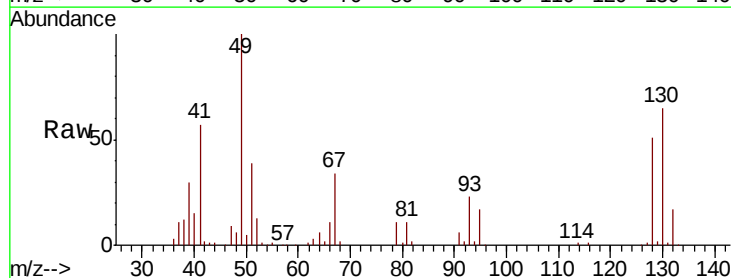
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



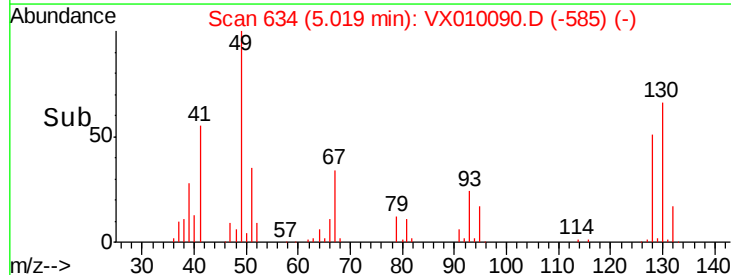
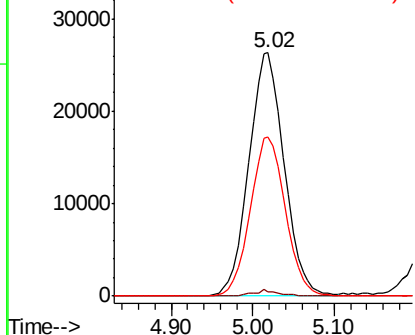
#28

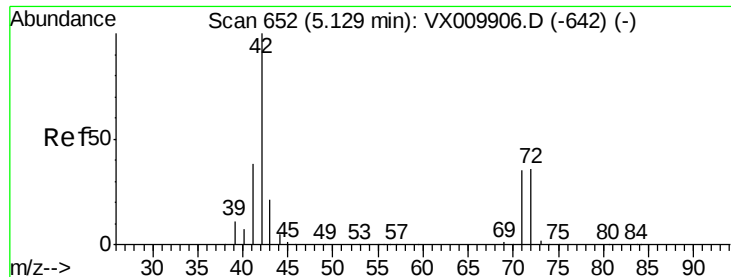
Bromochloromethane
Concen: 43.150 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion	49	Resp	79613
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	64.9	49.4	74.2



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

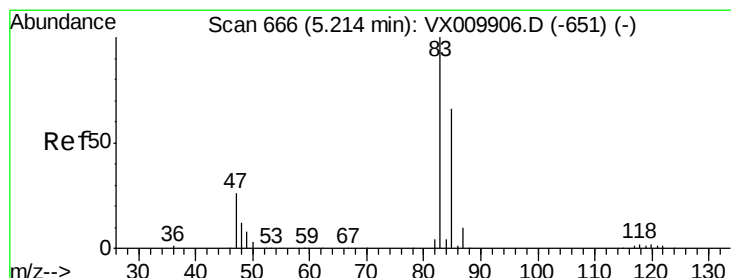
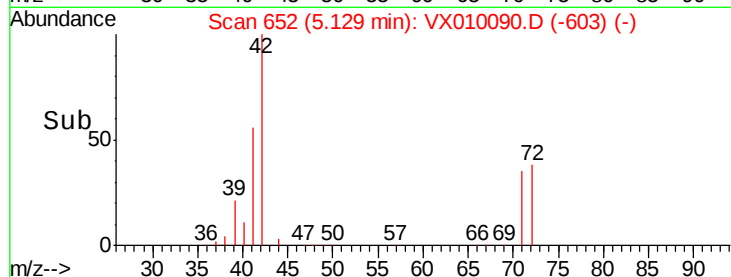
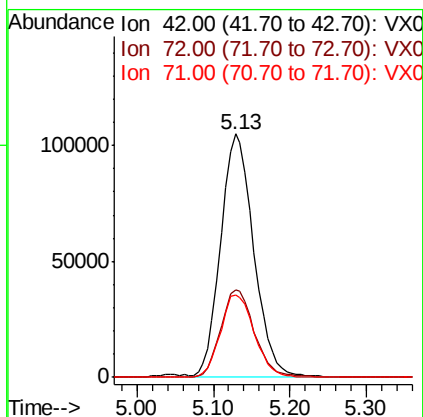
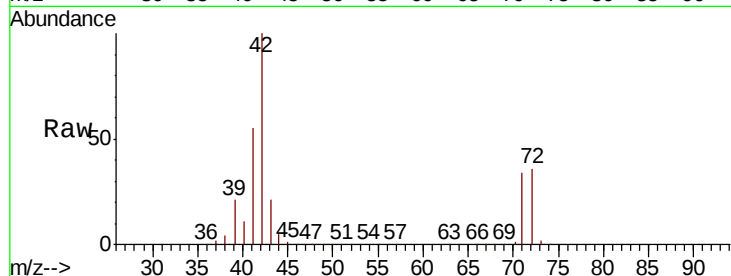




#29
Tetrahydrofuran
Concen: 244.066 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

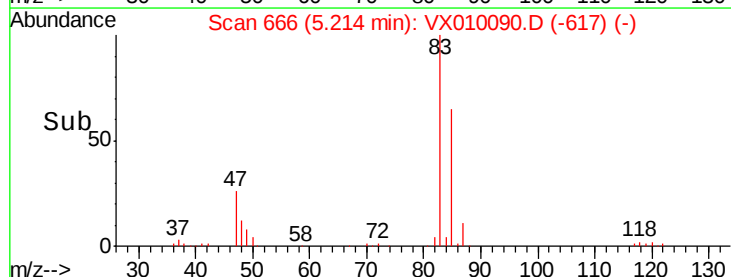
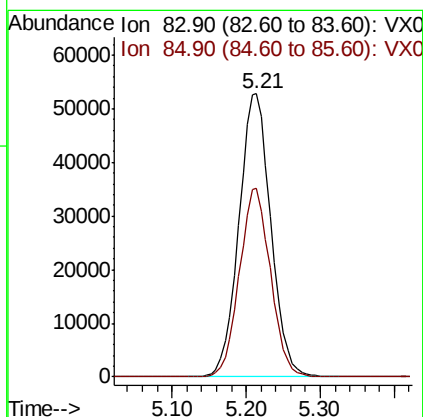
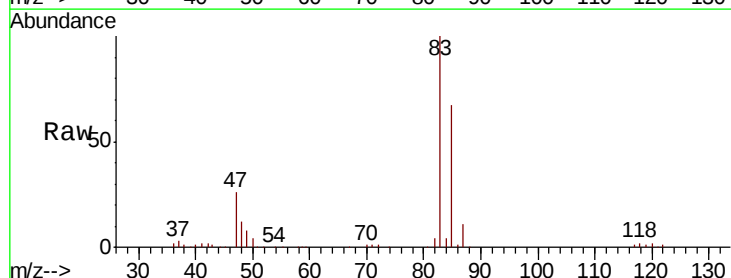
Instrument :
MSVOA_X
ClientSampleId :

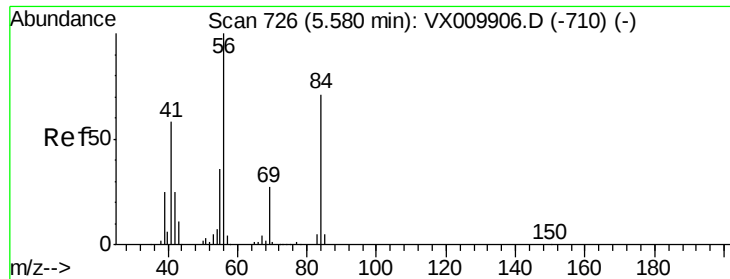
Tot Ion: 42 Resp: 311759
Ion Ratio Lower Upper
42 100
72 37.2 29.2 43.8
71 35.1 27.6 41.4



#30
Chloroform
Concen: 49.466 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion: 83 Resp: 158613
Ion Ratio Lower Upper
83 100
85 66.7 52.6 78.8

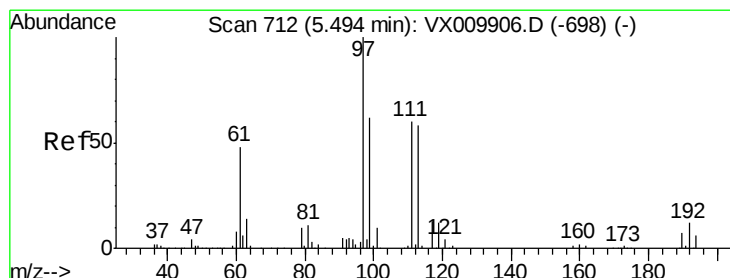
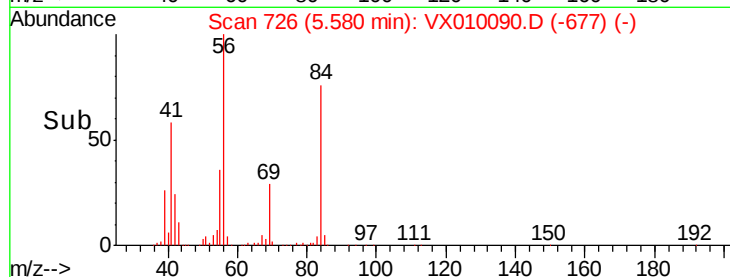
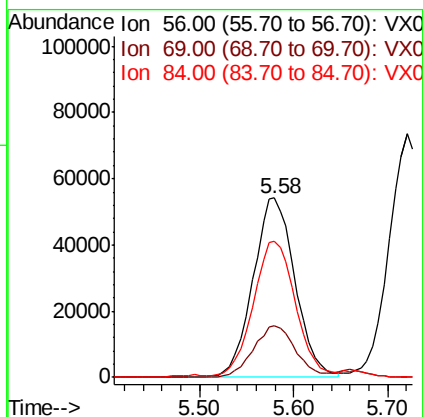
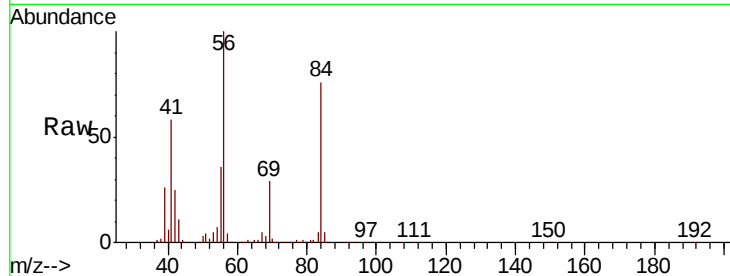




#31
Cyclohexane
Concen: 50.139 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

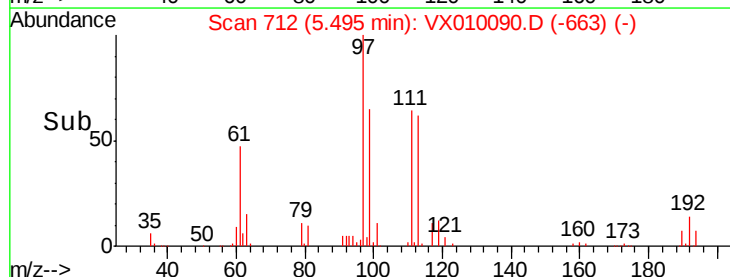
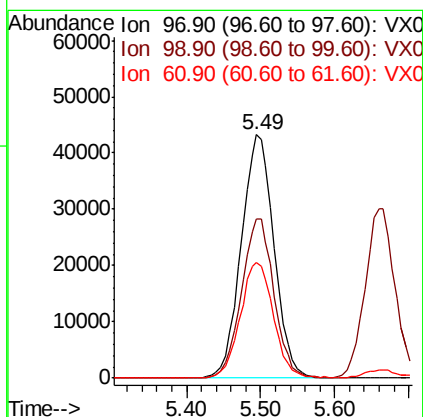
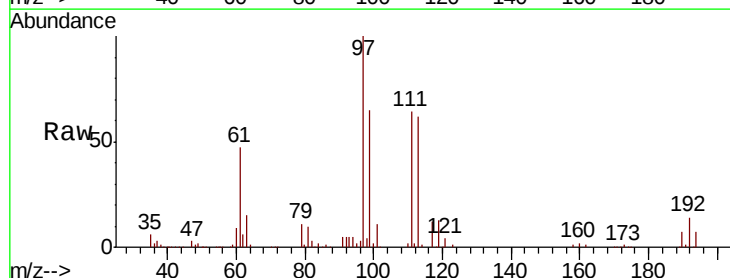
Instrument :
MSVOA_X
ClientSampled :

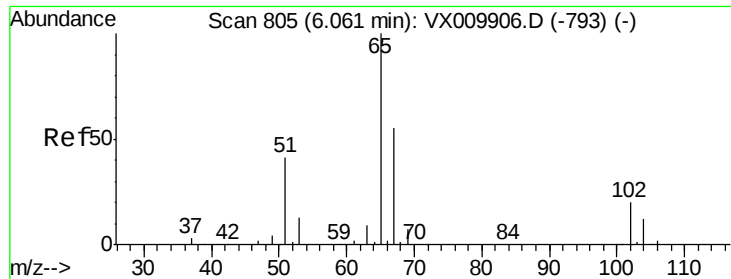
Tot Ion: 56 Resp: 168841
Ion Ratio Lower Upper
56 100
69 29.1 21.6 32.4
84 74.5 56.8 85.2



#32
1,1,1-Trichloroethane
Concen: 51.007 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion: 97 Resp: 133199
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 48.1 38.7 58.1

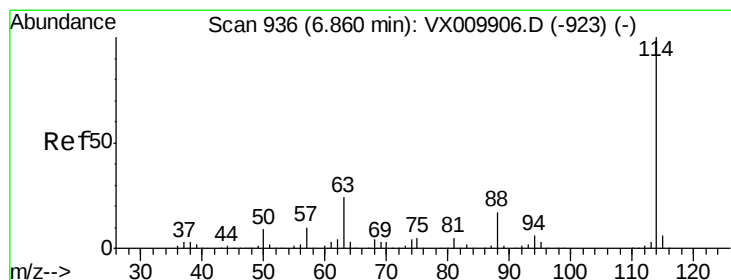
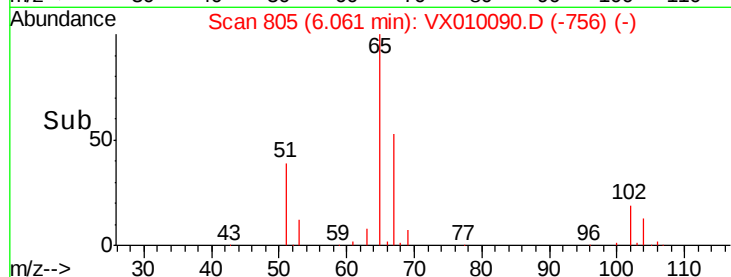
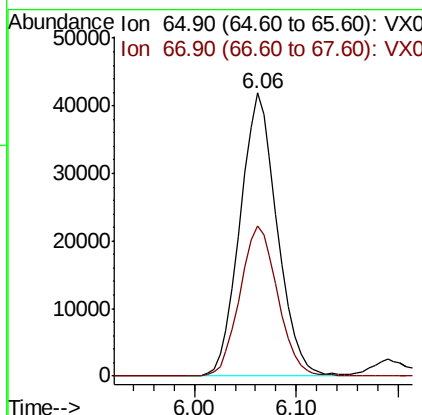
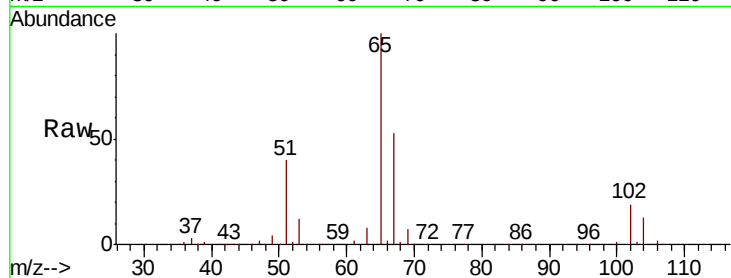




#33
 1,2-Dichloroethane-d4
 Concen: 47.937 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

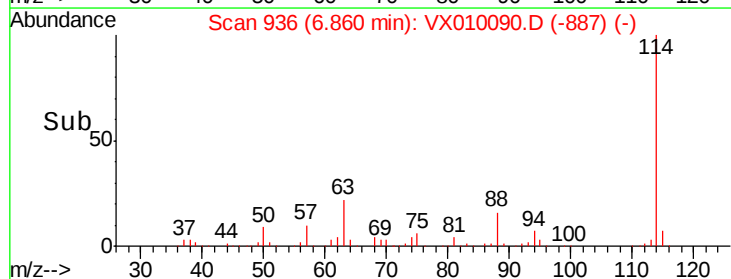
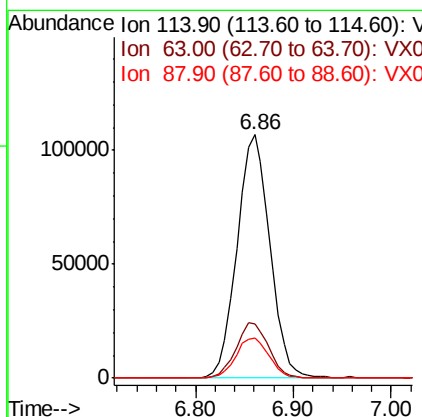
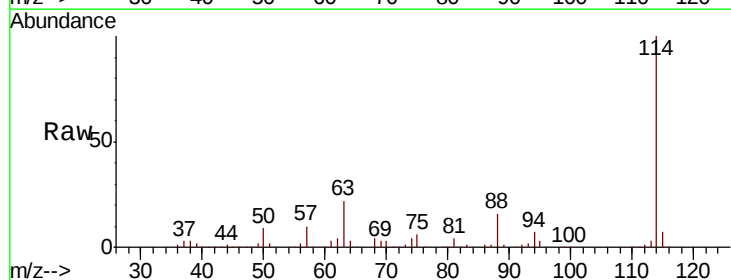
Instrument :
 MSVOA_X
 ClientSampleId :

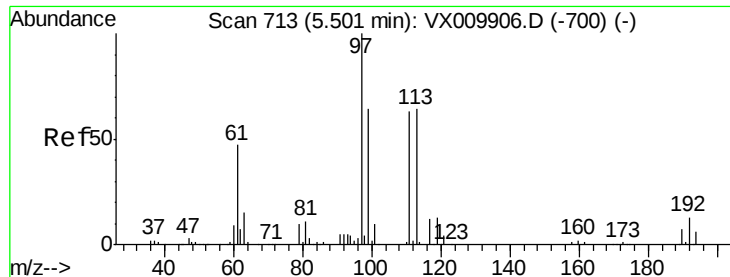
Tot Ion: 65 Resp: 106077
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion: 114 Resp: 249209
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.4
 88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.325 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

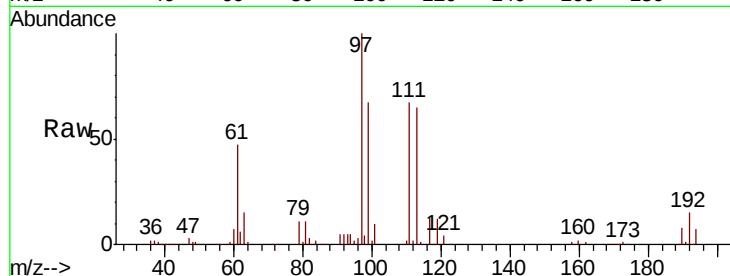
Tot Ion:113 Resp: 78848

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

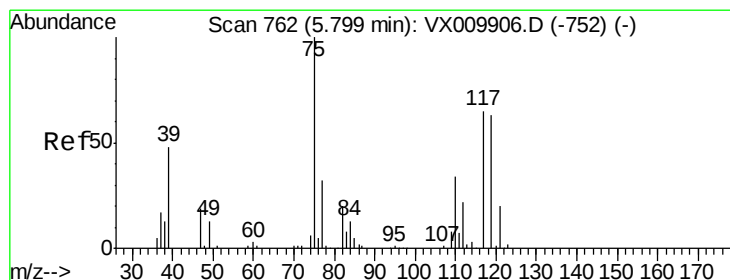
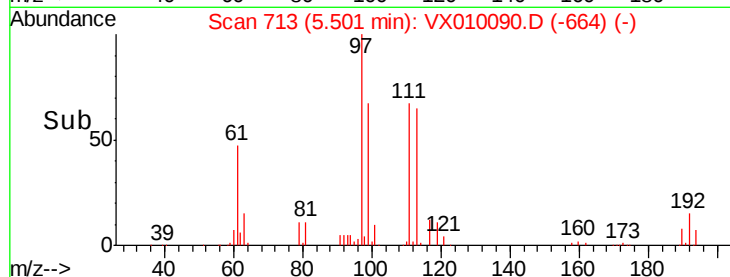
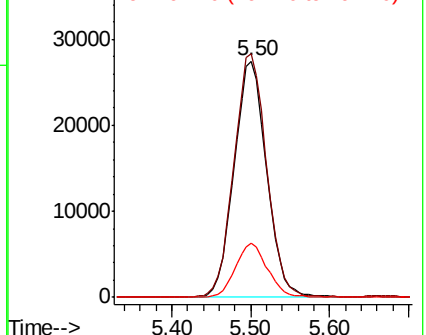
192 22.5 17.1 25.7



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: 48.671 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

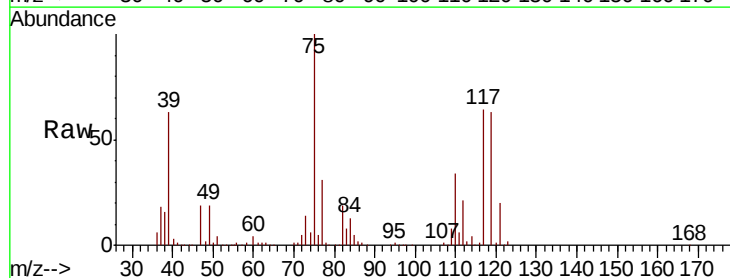
Tgt Ion: 75 Resp: 123066

Ion Ratio Lower Upper

75 100

110 33.8 16.7 50.1

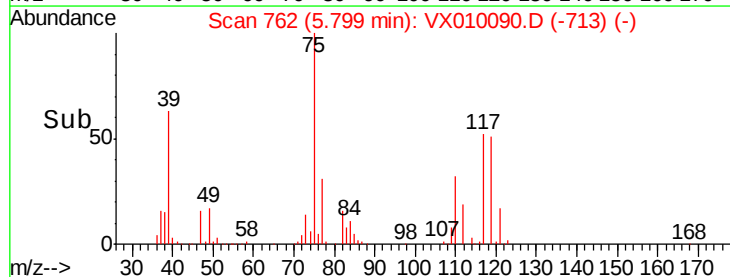
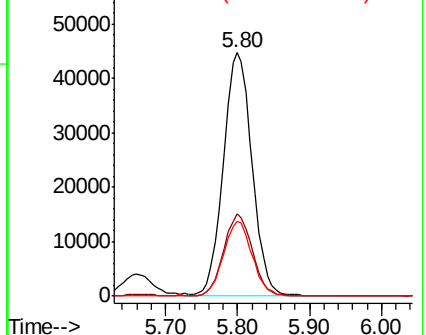
77 31.2 25.0 37.4

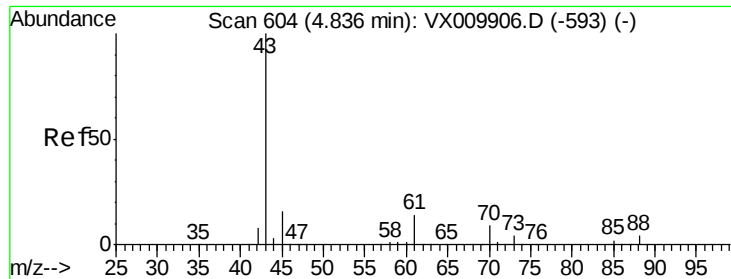


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

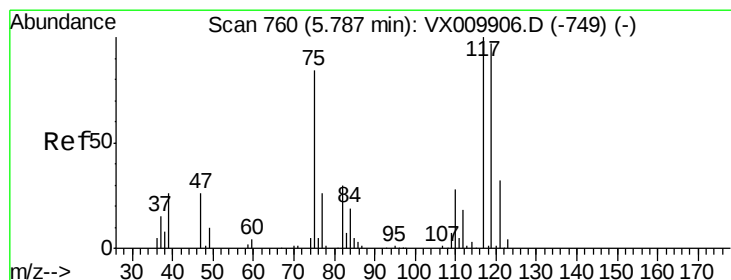
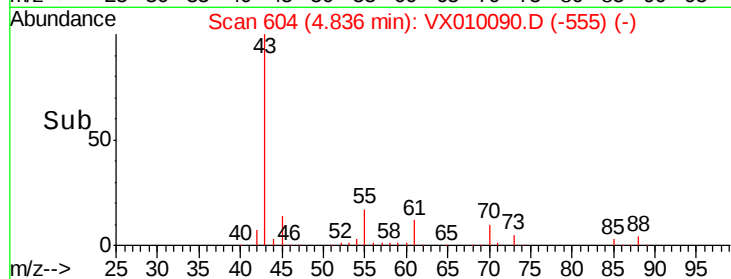
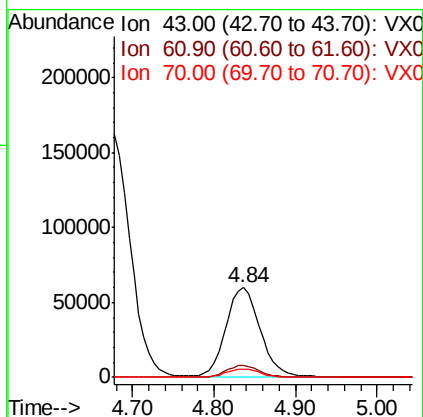
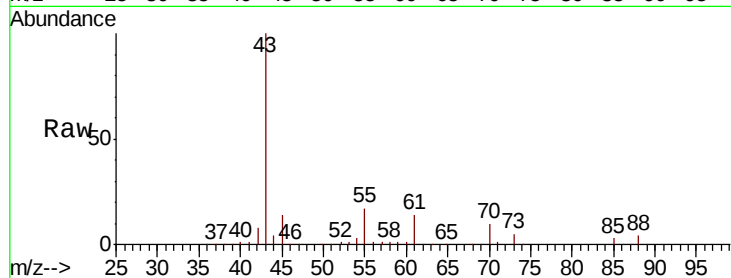




#37
Ethyl Acetate
Concen: 49.425 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

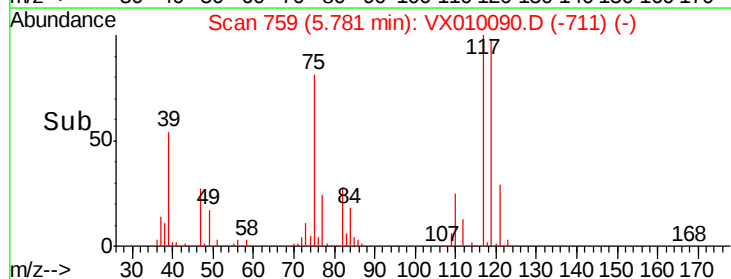
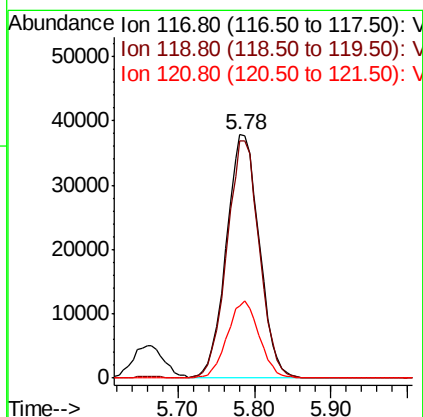
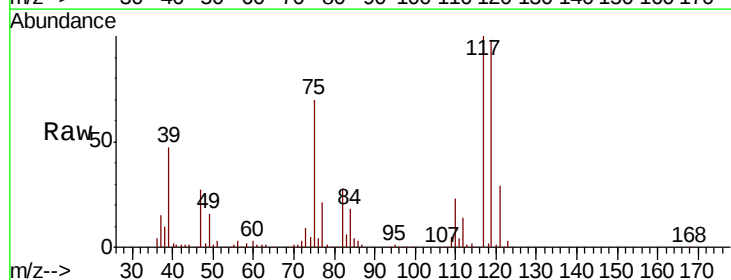
Instrument :
MSVOA_X
ClientSampled :

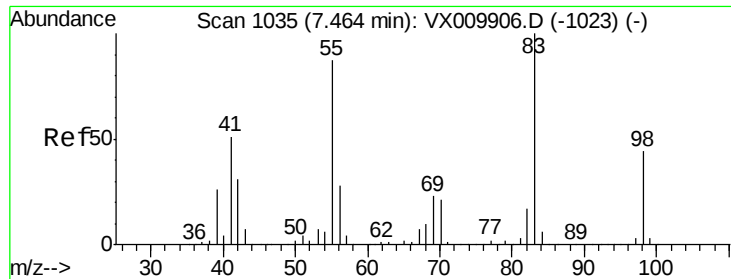
Tot Ion: 43 Resp: 174132
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.2
70 9.6 7.4 11.2



#38
Carbon Tetrachloride
Concen: 51.616 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion: 117 Resp: 112781
Ion Ratio Lower Upper
117 100
119 97.7 77.3 115.9
121 29.5 25.4 38.0

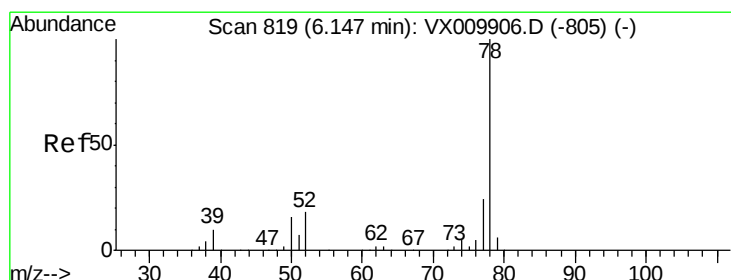
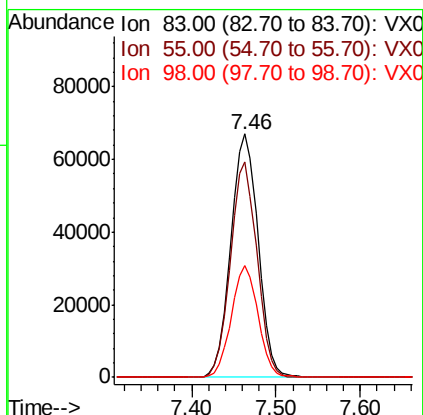
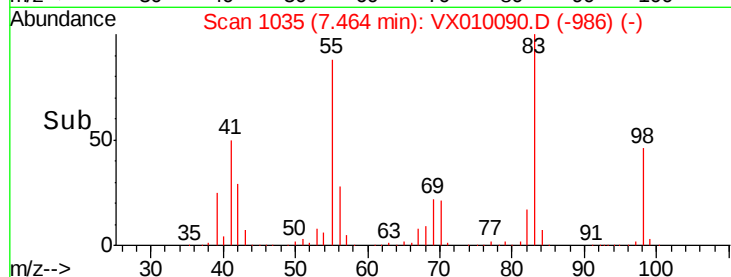
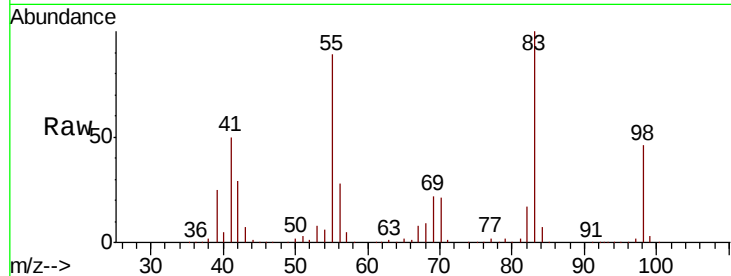




#39
Methvlcvclohexane
Concen: 48.904 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

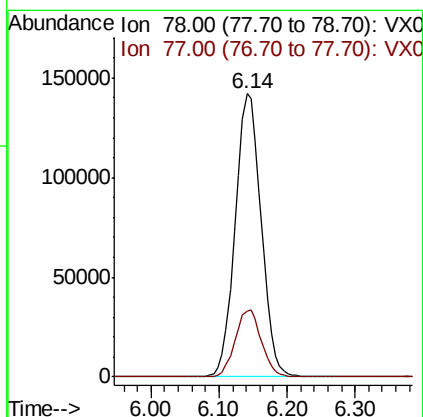
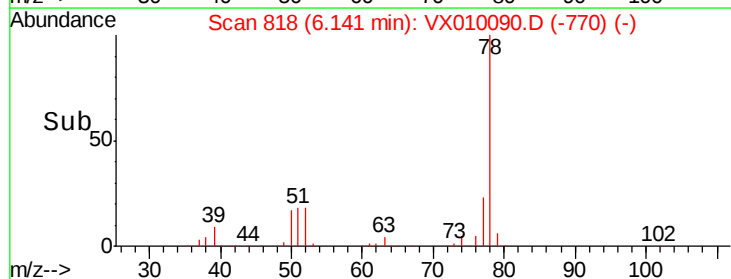
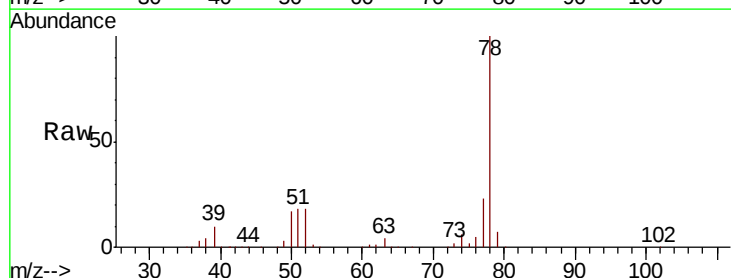
Instrument :
MSVOA_X
ClientSampled :

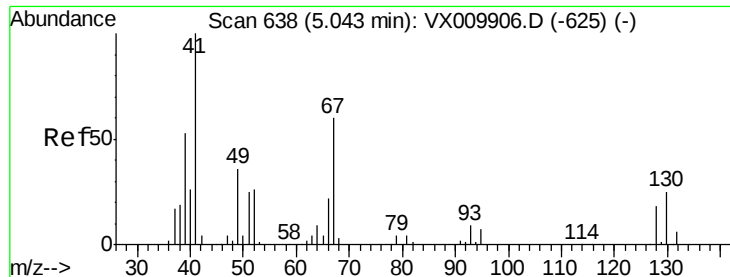
Tot Ion: 83 Resp: 146676
Ion Ratio Lower Upper
83 100
55 88.6 69.9 104.9
98 45.8 35.1 52.7



#40
Benzene
Concen: 50.134 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion: 78 Resp: 376041
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8





#41

Methacrylonitrile

Concen: 48.921 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 100714

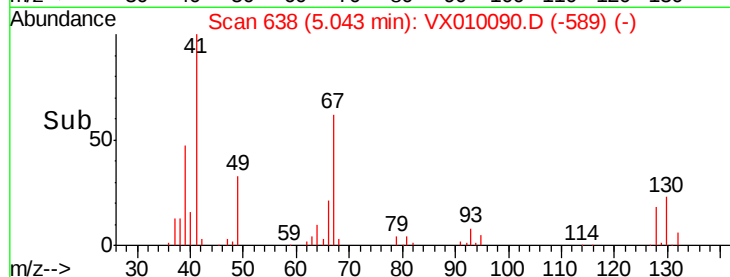
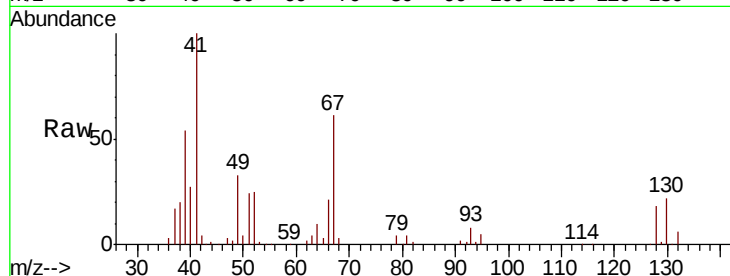
Ion Ratio Lower Upper

41 100

39 52.2 42.2 63.4

67 62.0 48.9 73.3

52 26.7 20.1 30.1

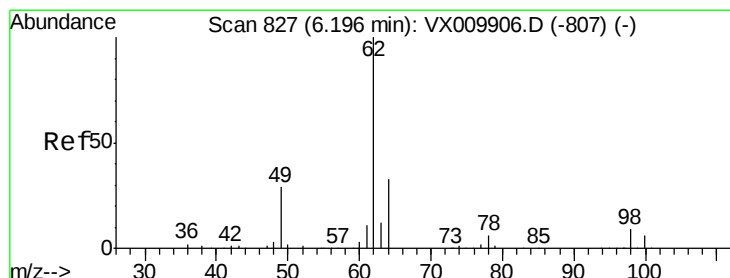
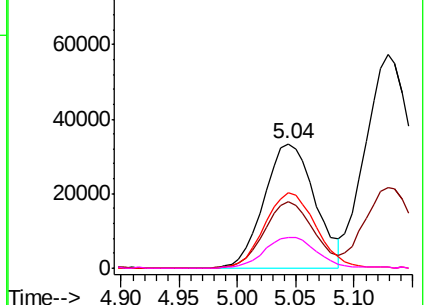


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.542 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010090.D

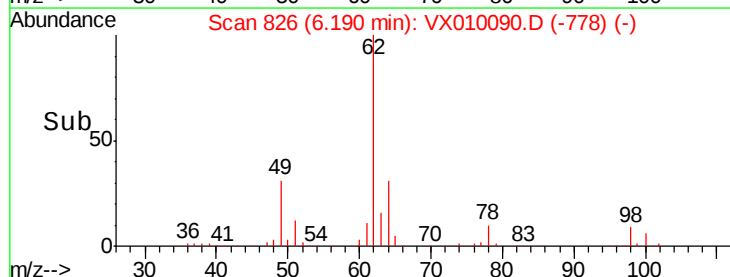
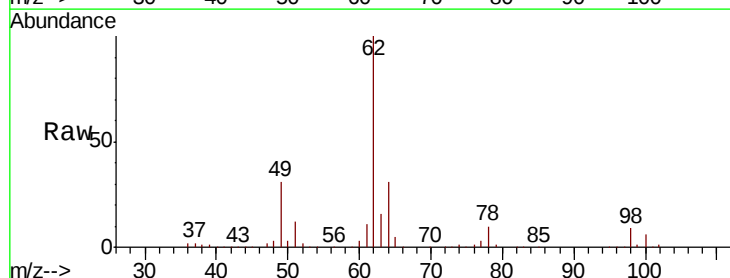
Acq: 05 Jun 2019 20:22

Tgt Ion: 62 Resp: 137378

Ion Ratio Lower Upper

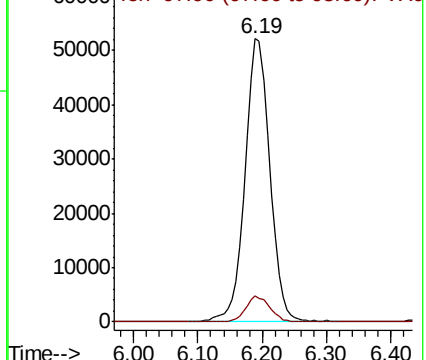
62 100

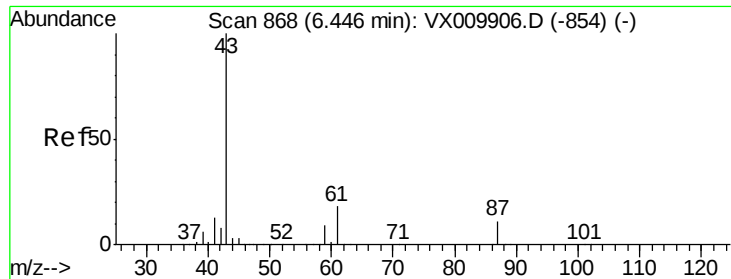
98 8.7 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



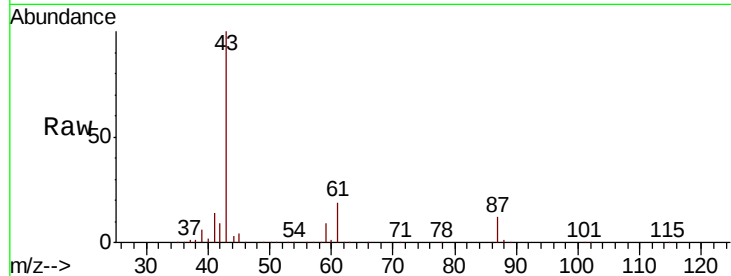


#43

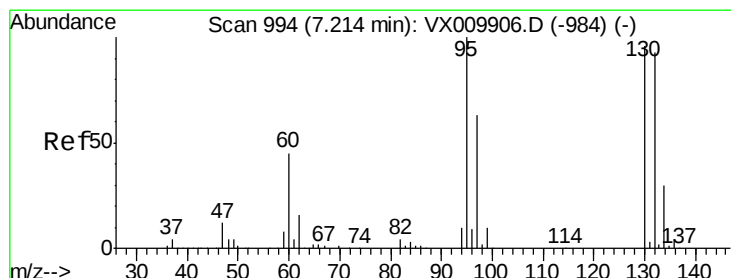
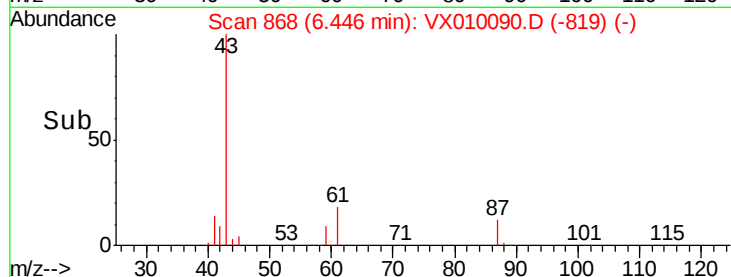
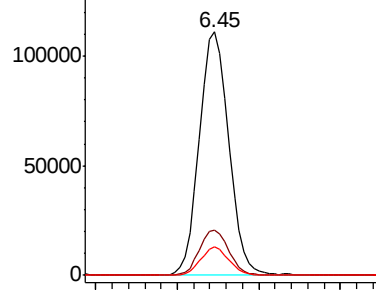
Isopropyl Acetate
 Concen: 48.642 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	43	Resp	276520
Ion Ratio	Lower	Upper	
43	100		
61	18.7	14.6	21.8
87	11.3	8.7	13.1



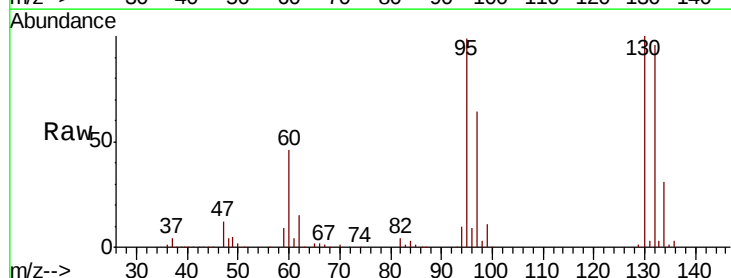
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



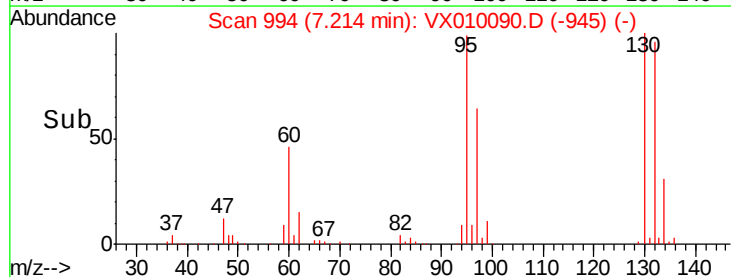
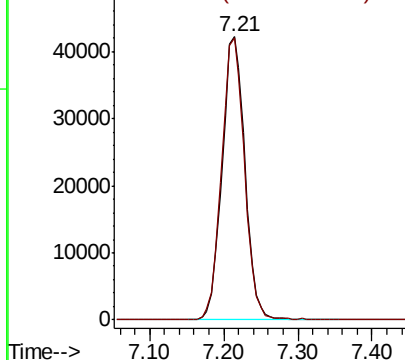
#44

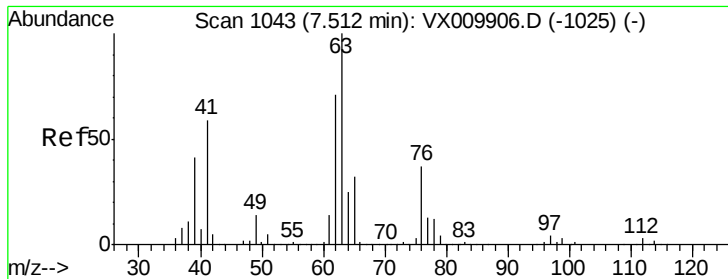
Trichloroethene
 Concen: 49.624 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion	130	Resp	90413
Ion Ratio	Lower	Upper	
130	100		
95	99.5	0.0	207.4



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

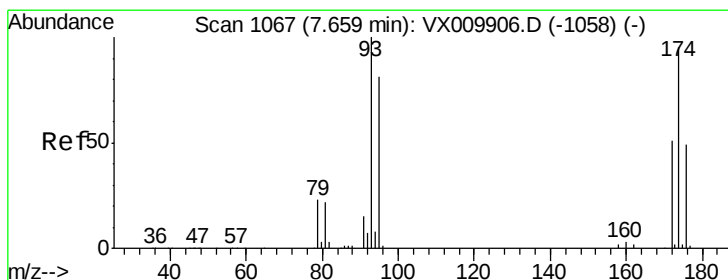
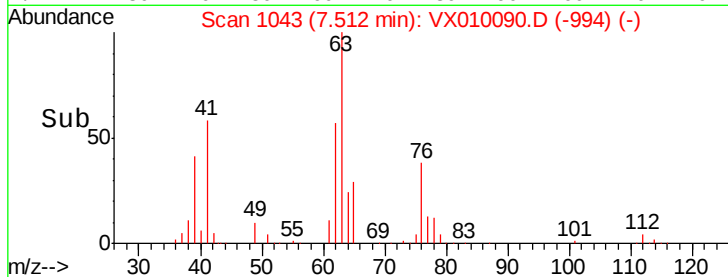
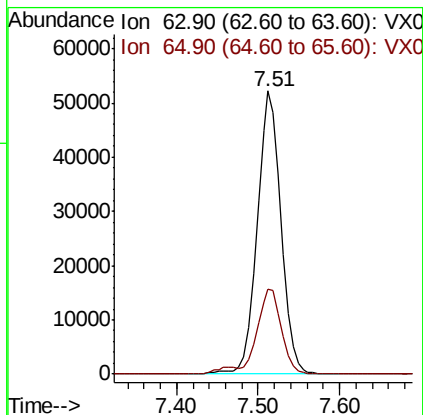
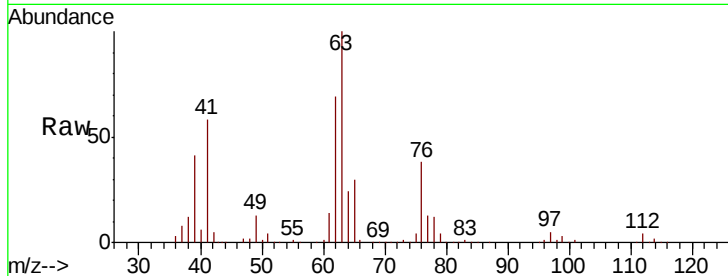




#45
 1,2-Dichloropropane
 Concen: 49.252 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

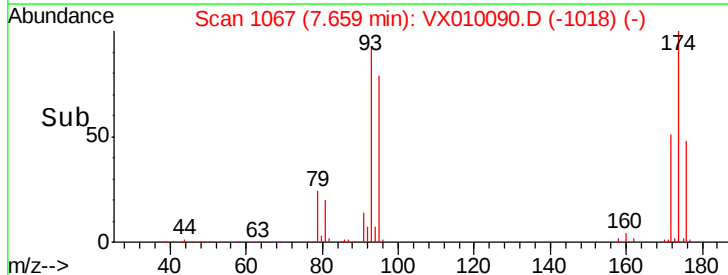
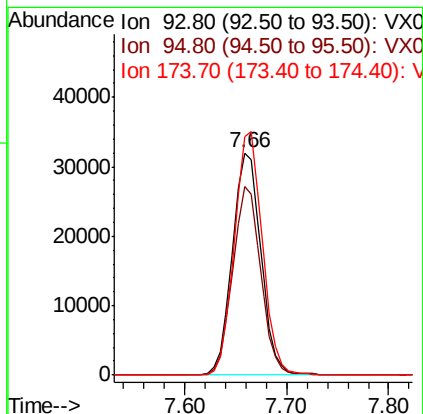
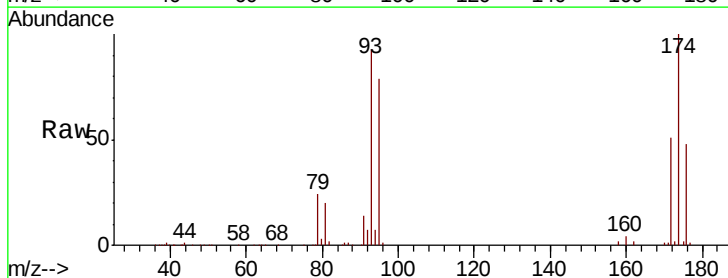
Instrument :
 MSVOA_X
 ClientSampled :

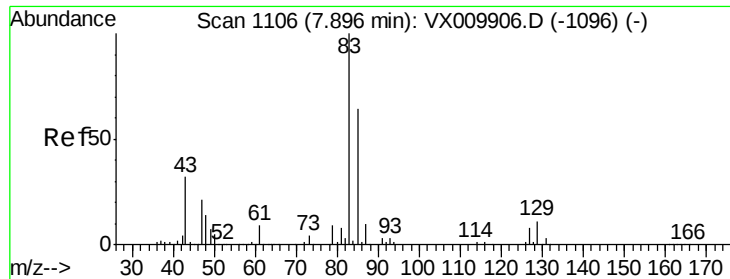
Tot Ion: 63 Resp: 106345
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.7 38.5



#46
 Dibromomethane
 Concen: 48.764 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion: 93 Resp: 61977
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 107.3 81.9 122.9





#47

Bromodichloromethane

Concen: 51.726 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

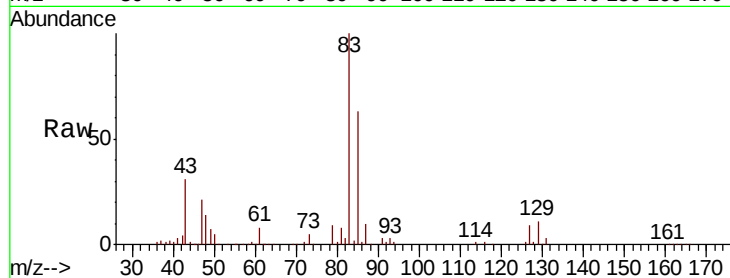
Tot Ion: 83 Resp: 125016

Ion Ratio Lower Upper

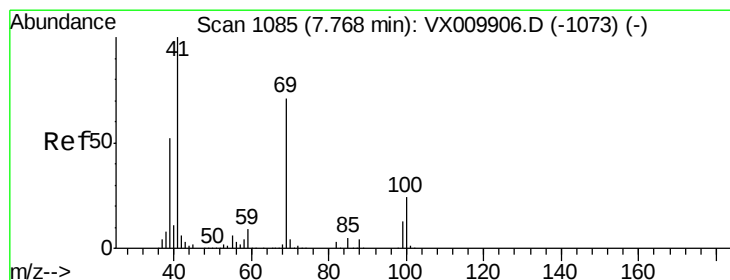
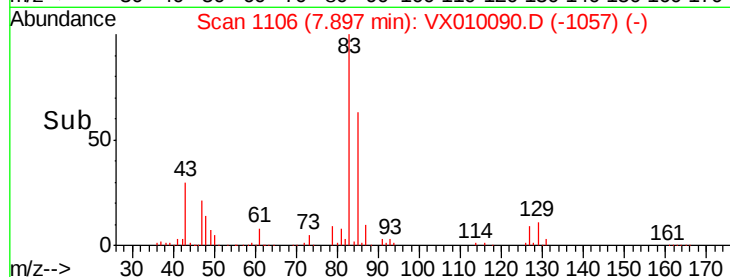
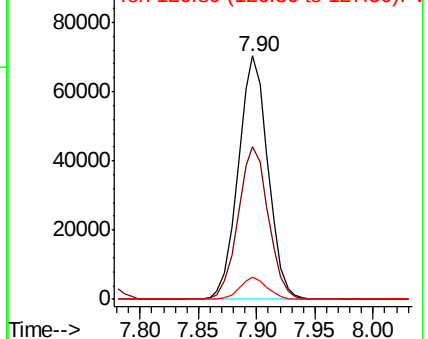
83 100

85 62.9 51.4 77.2

127 8.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.696 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

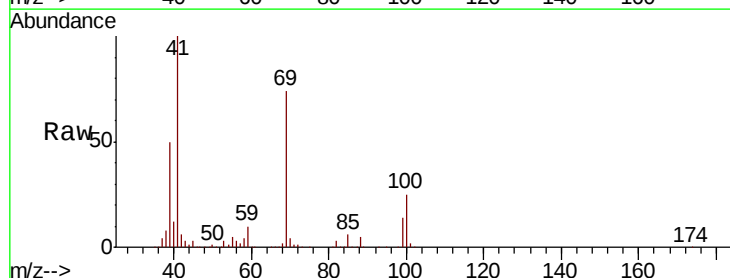
Tgt Ion: 41 Resp: 142667

Ion Ratio Lower Upper

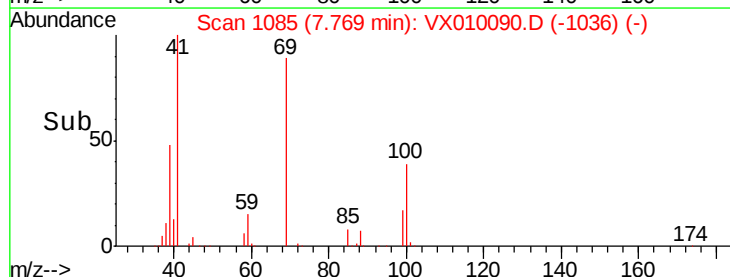
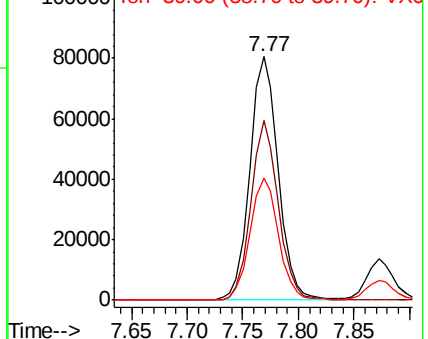
41 100

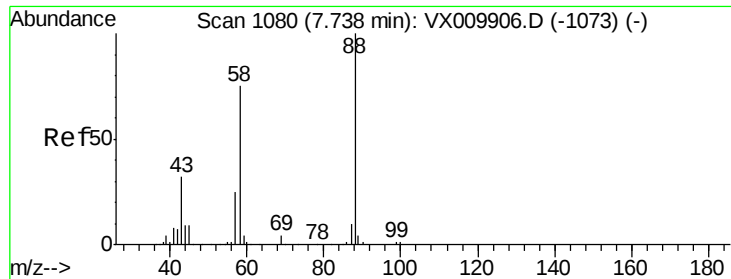
69 71.6 56.4 84.6

39 50.6 40.6 60.8



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: 1050.277 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :

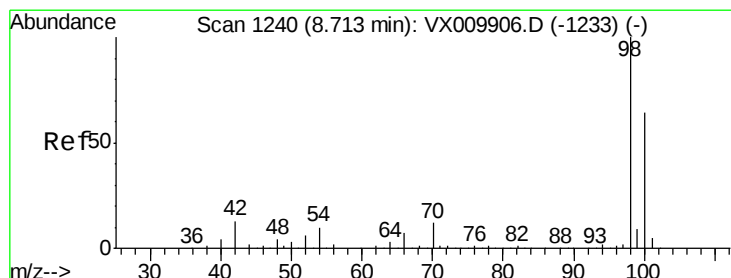
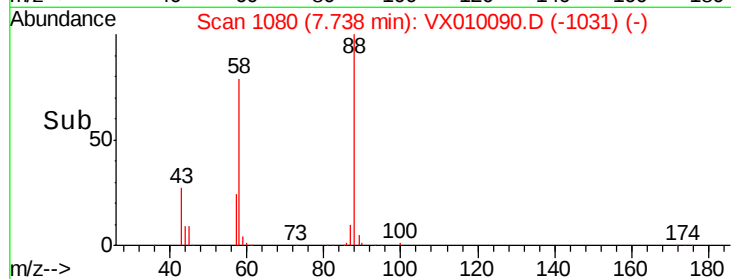
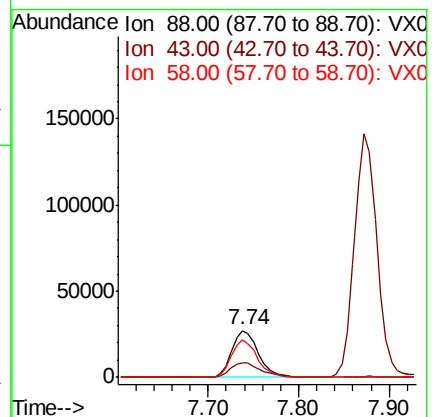
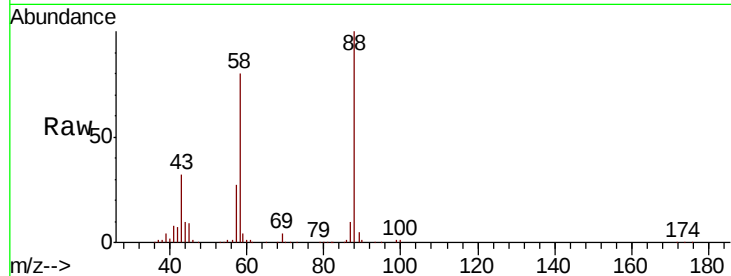
Tot Ion: 88 Resp: 54978

Ion Ratio Lower Upper

88 100

43 37.4 30.2 45.4

58 79.5 64.0 96.0



#50

Toluene-d8

Concen: 50.170 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010090.D

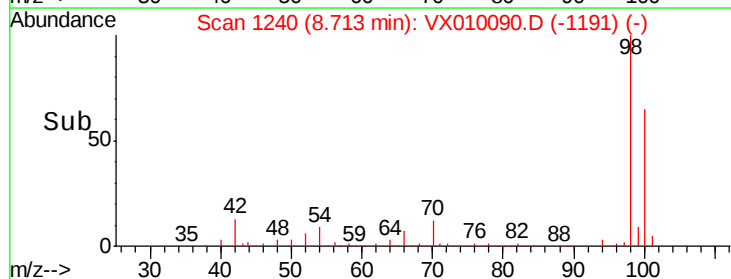
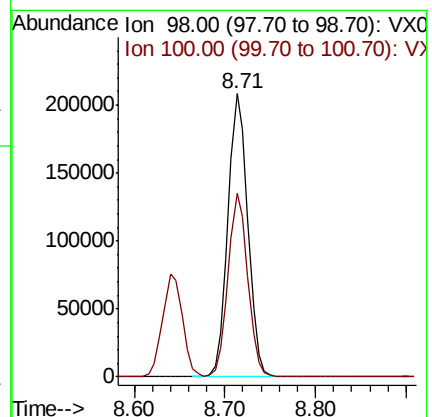
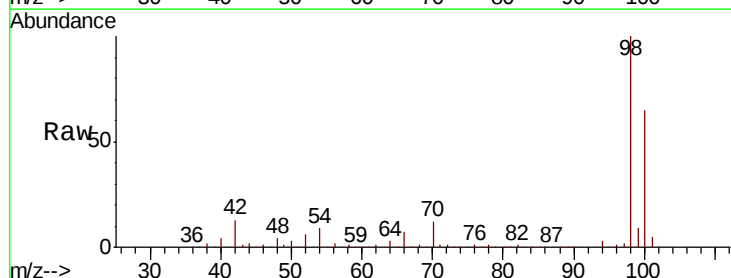
Acq: 05 Jun 2019 20:22

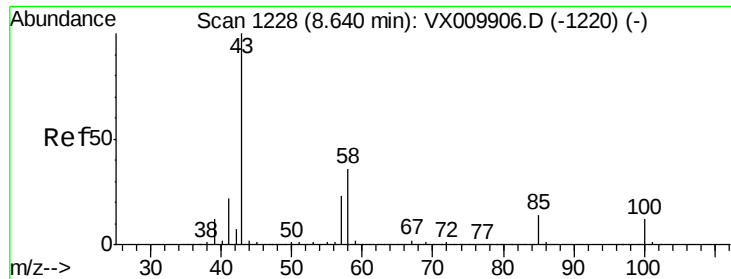
Tgt Ion: 98 Resp: 319197

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 254.153 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

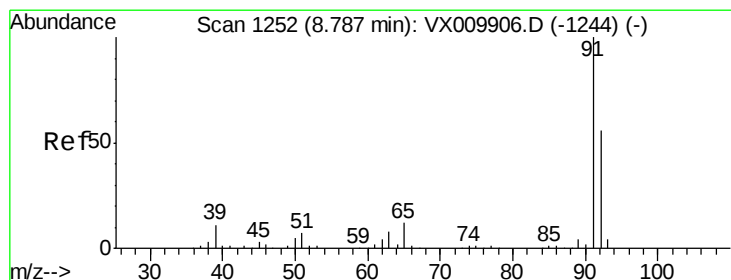
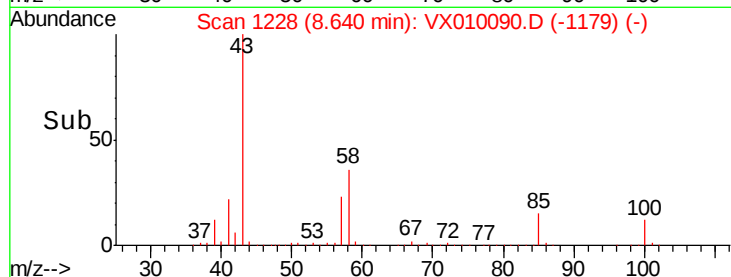
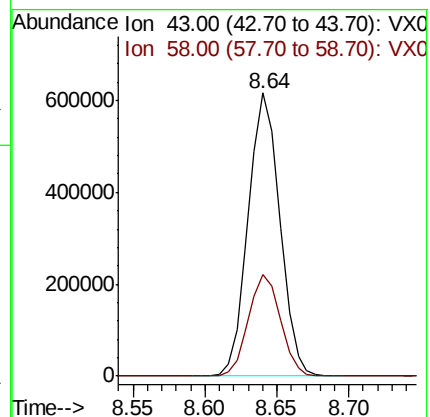
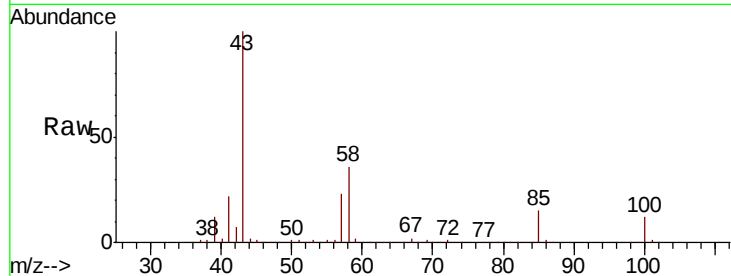
ClientSampleId :

Tot Ion: 43 Resp: 939865

Ion Ratio Lower Upper

43 100

58 36.3 28.8 43.2



#52

Toluene

Concen: 51.597 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010090.D

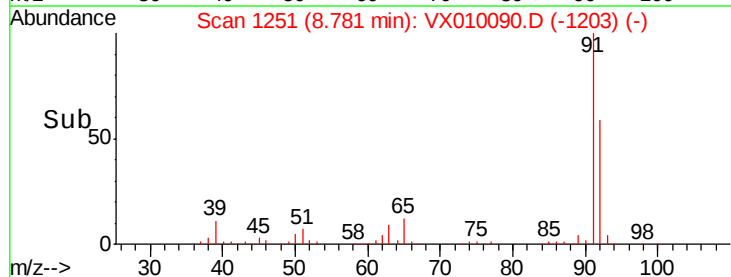
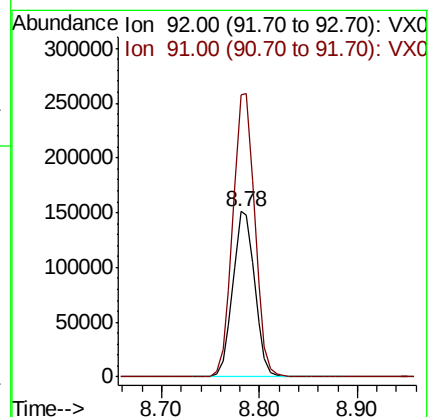
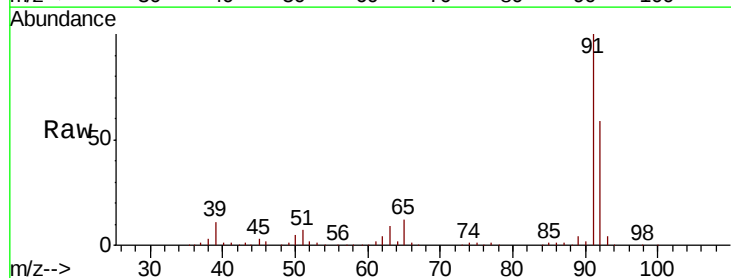
Acq: 05 Jun 2019 20:22

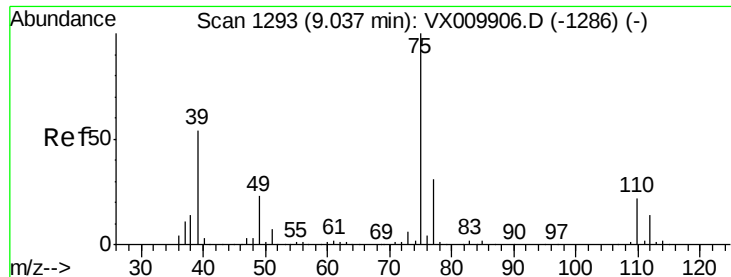
Tgt Ion: 92 Resp: 234982

Ion Ratio Lower Upper

92 100

91 171.9 139.9 209.9

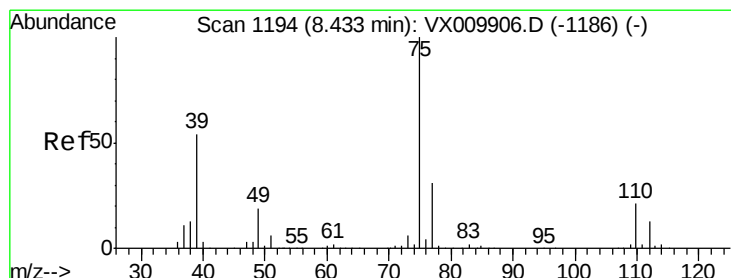
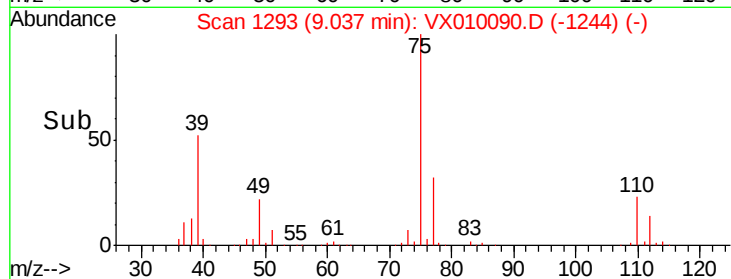
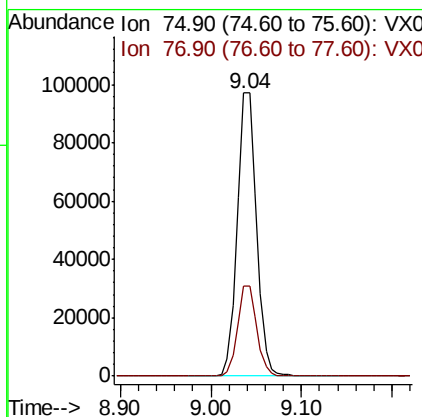
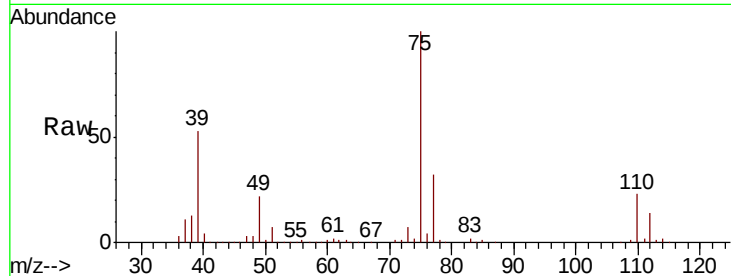




#53
 t-1,3-Dichloropropene
 Concen: 49.403 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

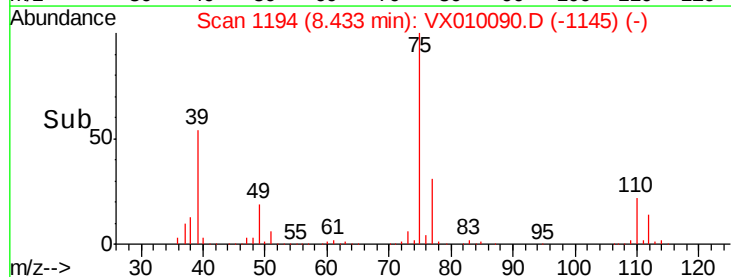
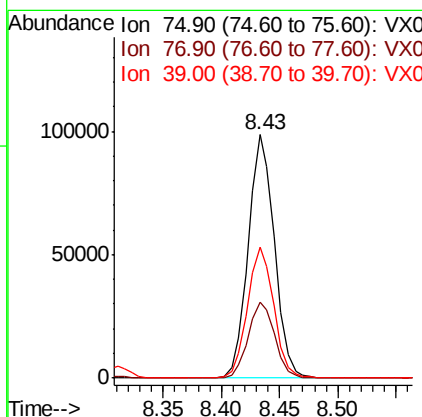
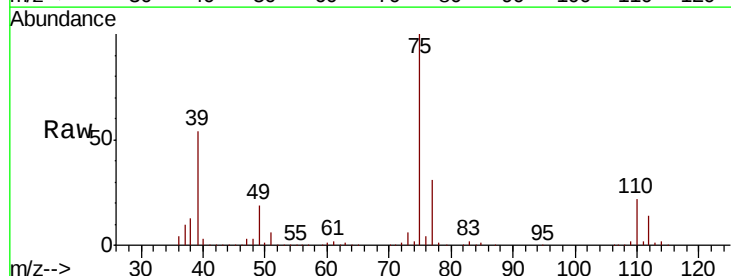
Instrument :
 MSVOA_X
 ClientSampled :

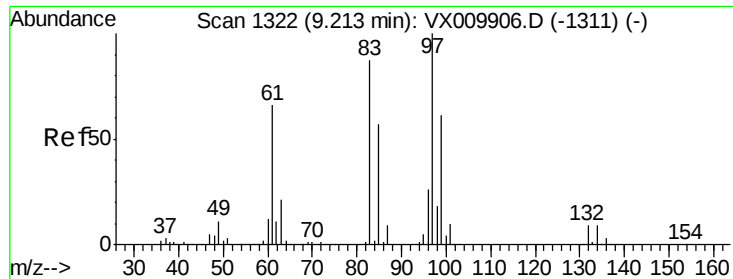
Tot Ion: 75 Resp: 143198
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 49.014 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion: 75 Resp: 154794
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.8 37.2
 39 53.6 43.4 65.0

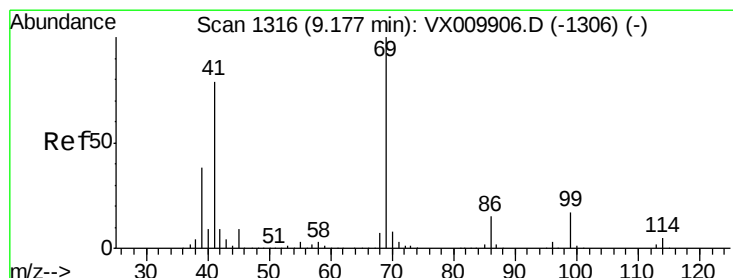
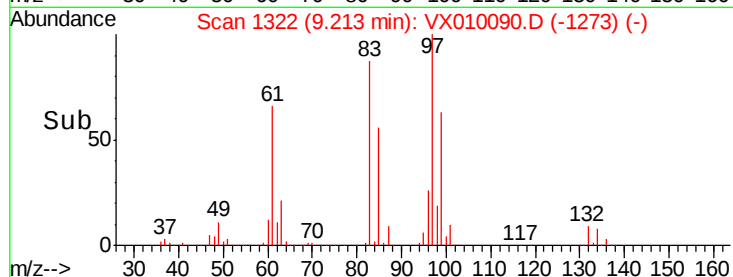
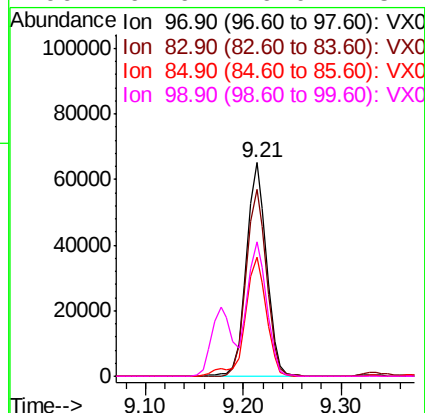
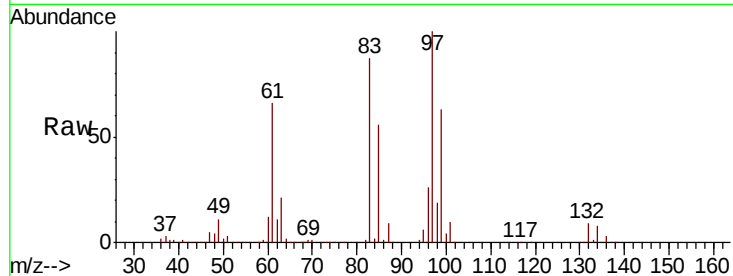




#55
 1,1,2-Trichloroethane
 Concen: 50.839 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

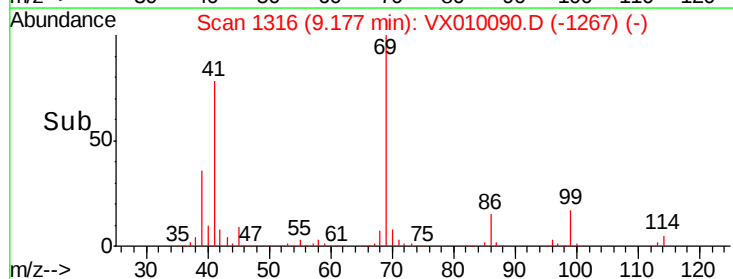
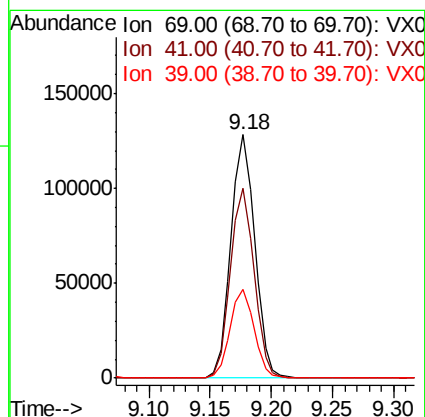
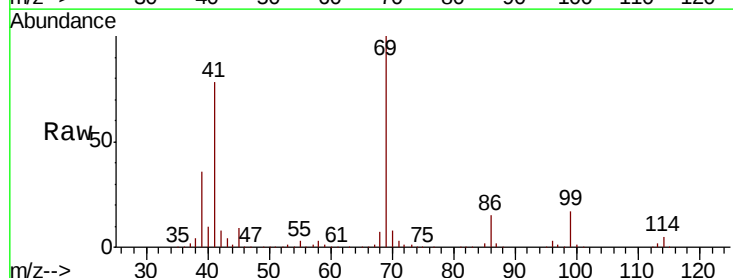
Instrument :
 MSVOA_X
 ClientSampled :

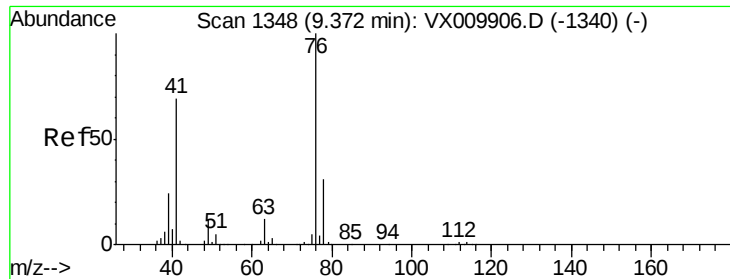
Tot Ion: 97 Resp: 93188
 Ion Ratio Lower Upper
 97 100
 83 87.3 69.8 104.8
 85 55.7 45.3 67.9
 99 62.6 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 53.241 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion: 69 Resp: 173741
 Ion Ratio Lower Upper
 69 100
 41 77.5 62.7 94.1
 39 36.4 29.5 44.3





#57

1,3-Dichloropropane

Concen: 50.415 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

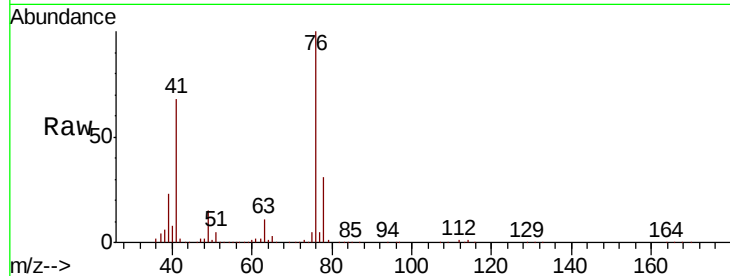
ClientSampled :

Tot Ion: 76 Resp: 165958

Ion Ratio Lower Upper

76 100

78 31.4 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

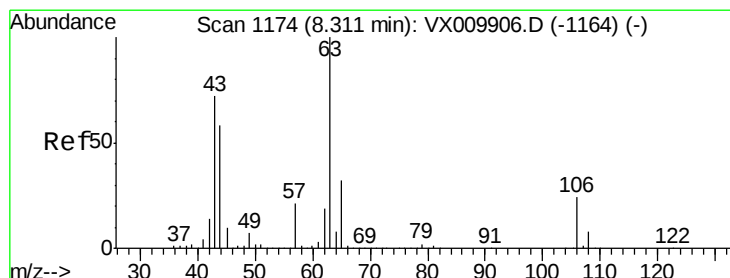
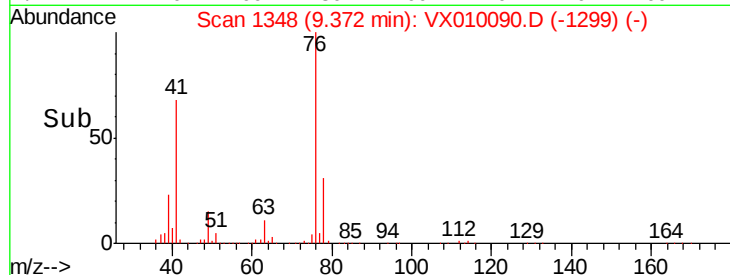
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 204.101 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010090.D

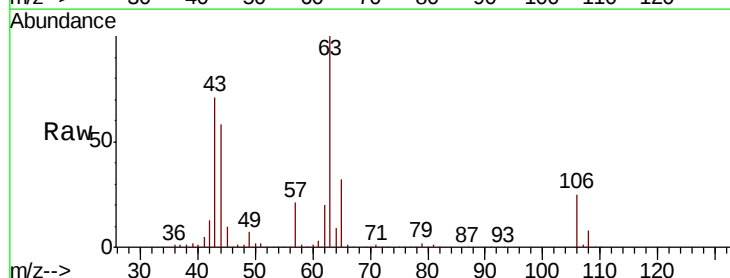
Acq: 05 Jun 2019 20:22

Tgt Ion: 63 Resp: 349256

Ion Ratio Lower Upper

63 100

106 24.7 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

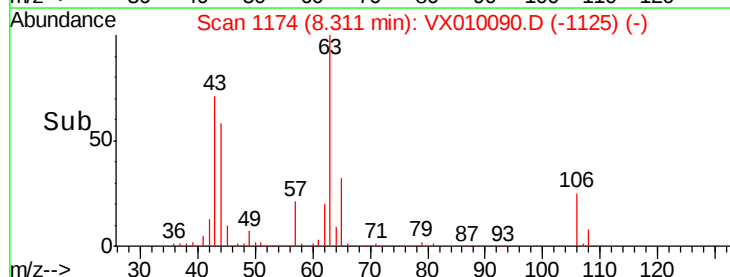
150000

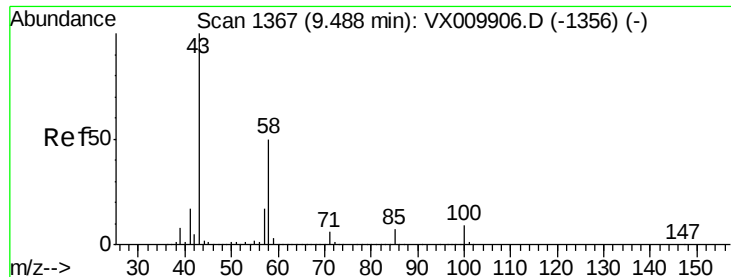
100000

50000

0

Time-->

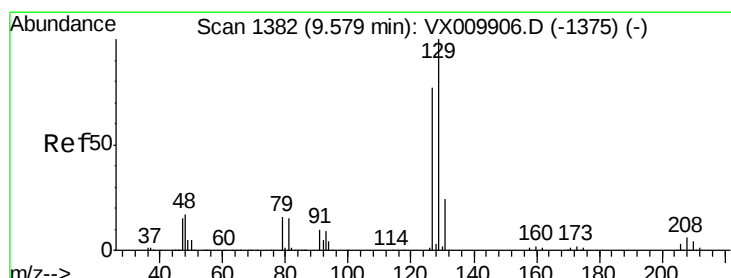
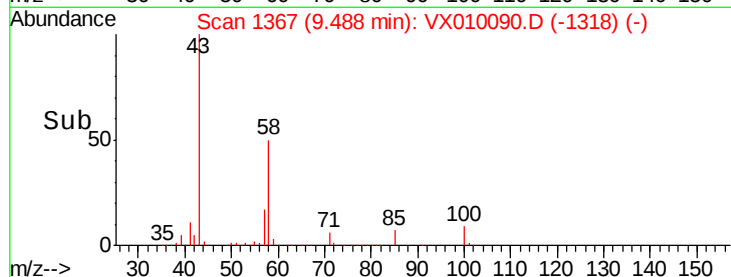
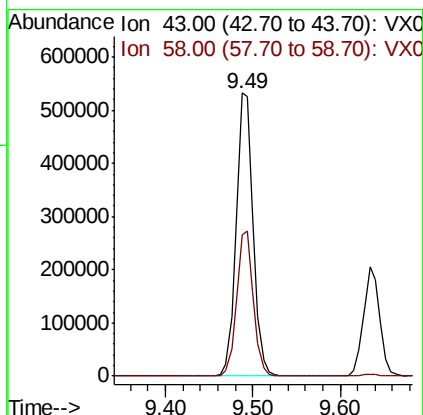
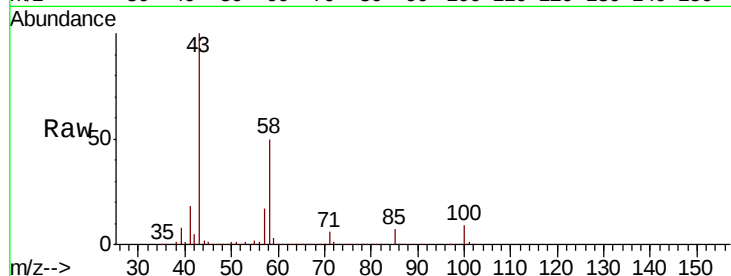




#59
2-Hexanone
Concen: 255.256 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

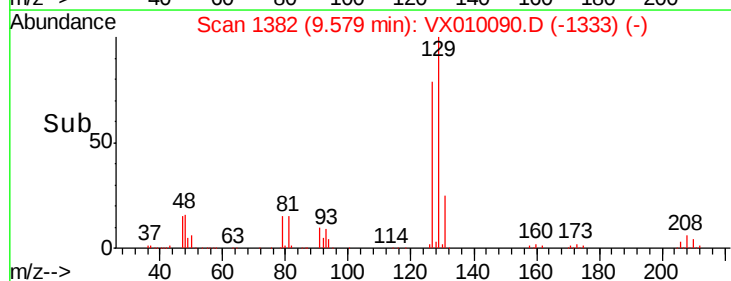
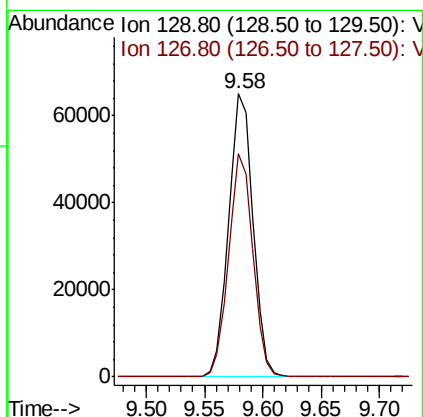
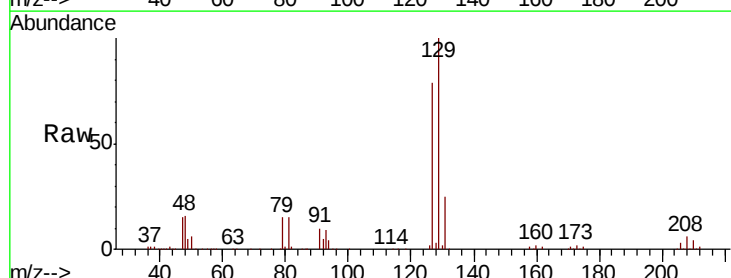
Instrument :
MSVOA_X
ClientSampleId :

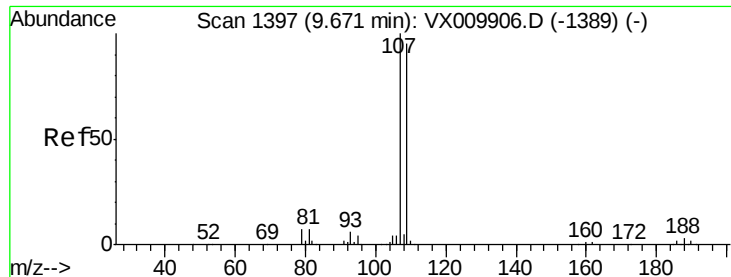
Tot Ion: 43 Resp: 726745
Ion Ratio Lower Upper
43 100
58 50.6 25.1 75.3



#60
Dibromochloromethane
Concen: 52.861 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion:129 Resp: 95314
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.324 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

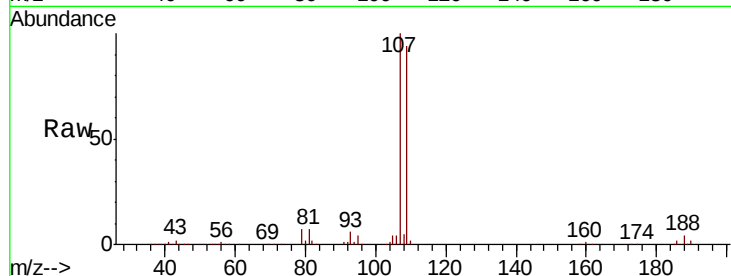
ClientSampleId :

Tot Ion:107 Resp: 96650

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

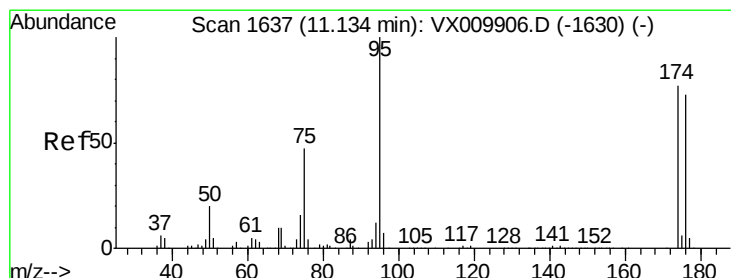
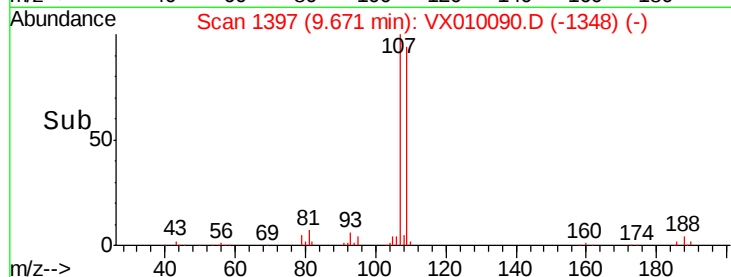
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 51.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

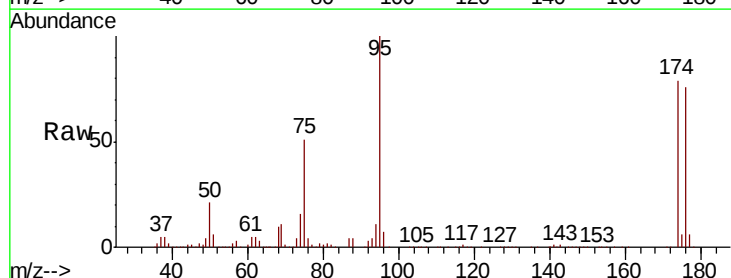
Tgt Ion: 95 Resp: 118271

Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.4

176 80.7 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

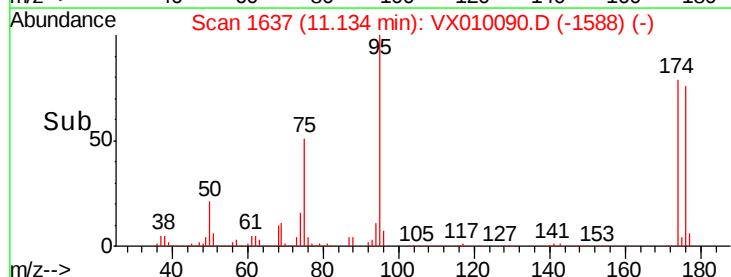
40000

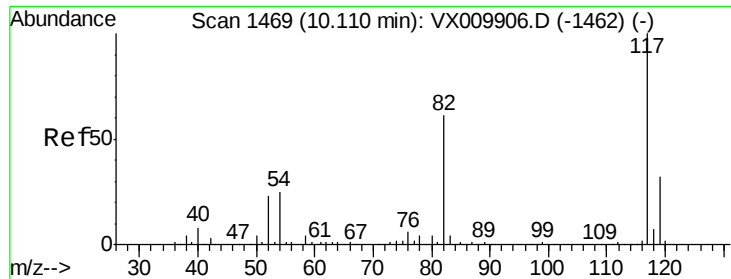
20000

0

Time-->

11.10 11.20

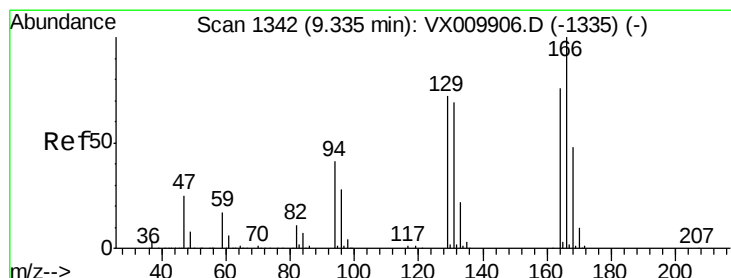
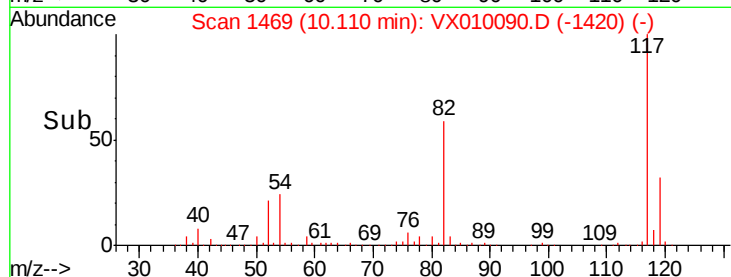
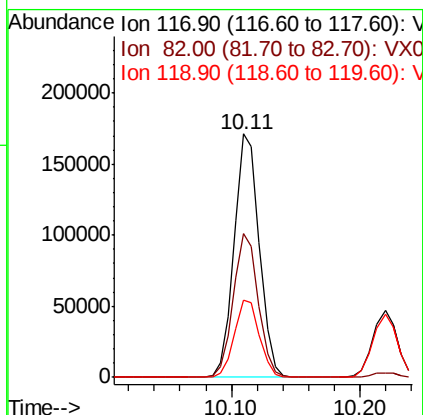
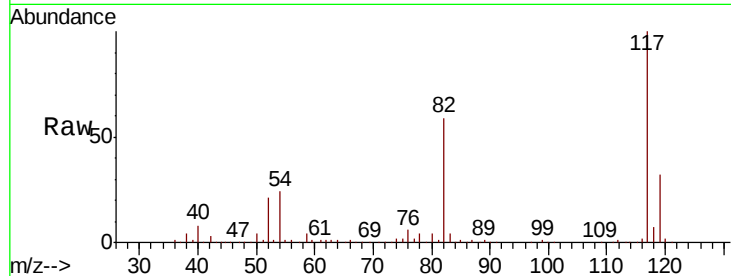




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

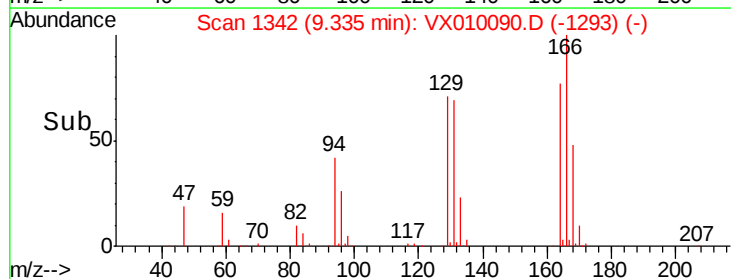
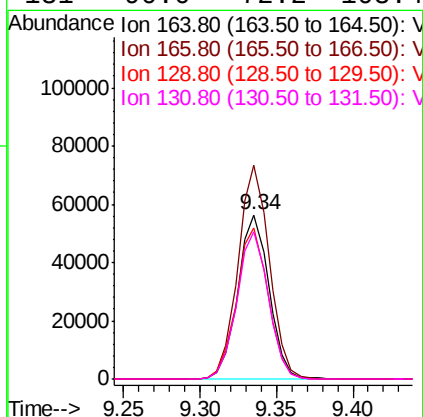
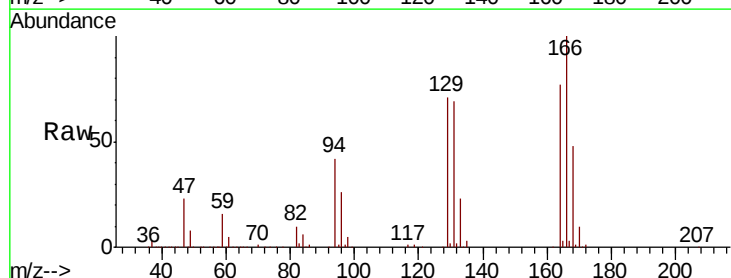
Instrument :
MSVOA_X
ClientSampled :

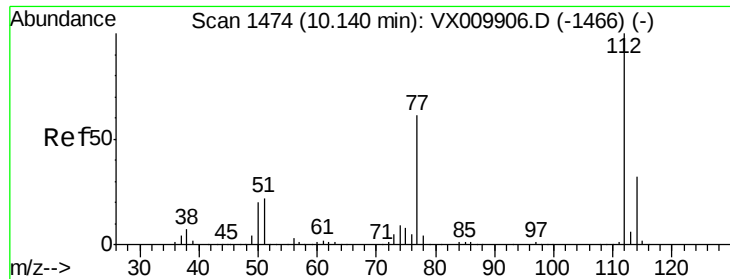
Tot Ion:117 Resp: 233354
Ion Ratio Lower Upper
117 100
82 59.0 49.2 73.8
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 49.125 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion:164 Resp: 80073
Ion Ratio Lower Upper
164 100
166 130.0 105.0 157.4
129 92.3 75.1 112.7
131 90.0 72.2 108.4

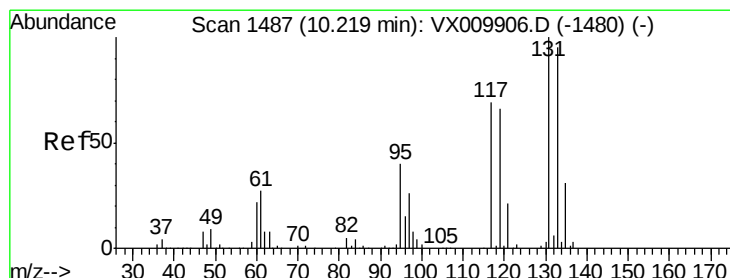
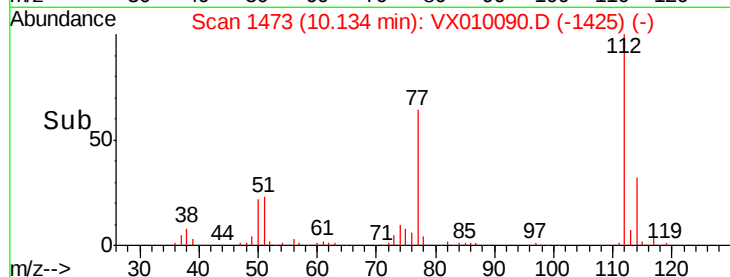
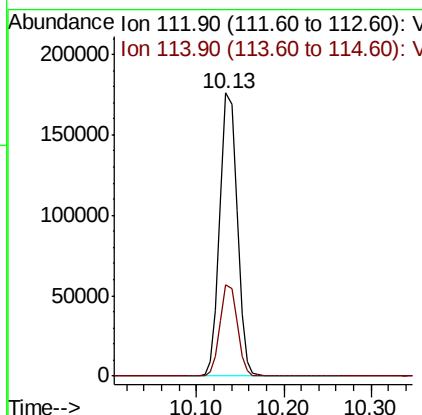
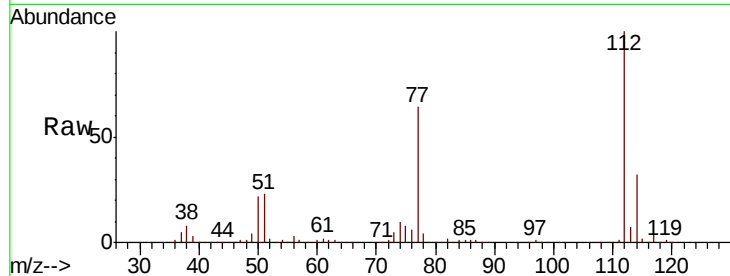




#65
Chlorobenzene
Concen: 49.655 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

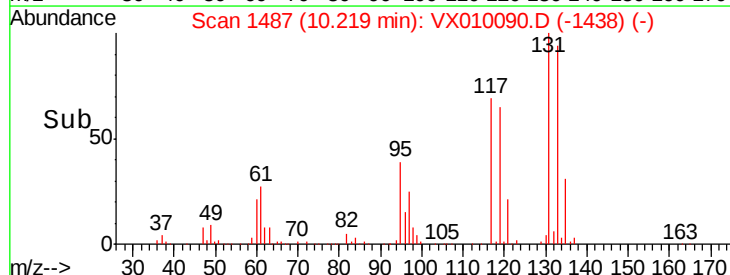
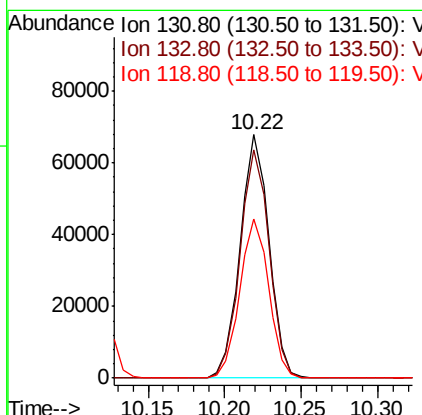
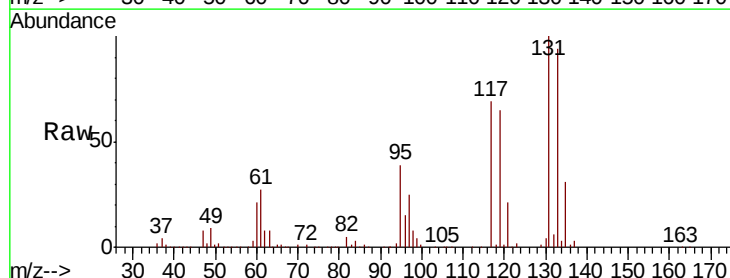
Instrument :
MSVOA_X
ClientSampleId :

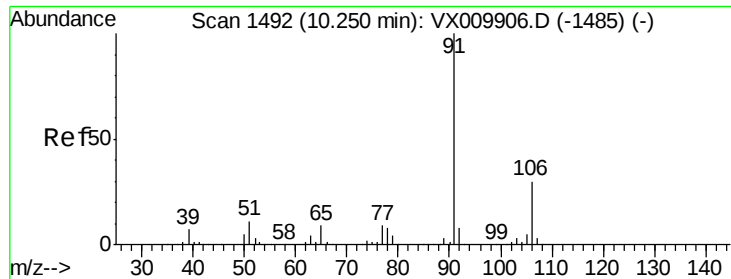
Tot Ion:112 Resp: 242580
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.420 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion:131 Resp: 88821
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.6
119 65.8 33.4 100.1





#67

Ethyl Benzene

Concen: 51.276 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

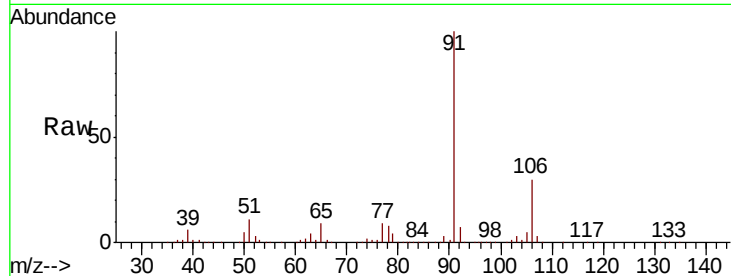
ClientSampleId :

Tot Ion: 91 Resp: 449774

Ion Ratio Lower Upper

91 100

106 30.4 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

500000

400000

300000

200000

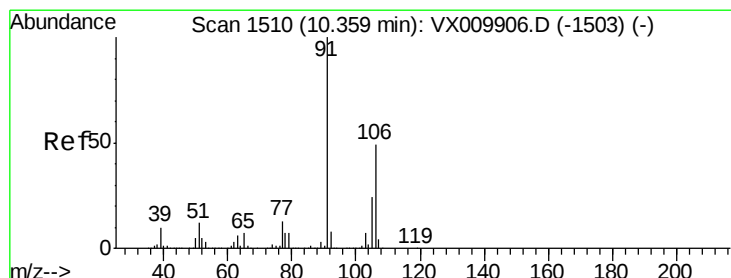
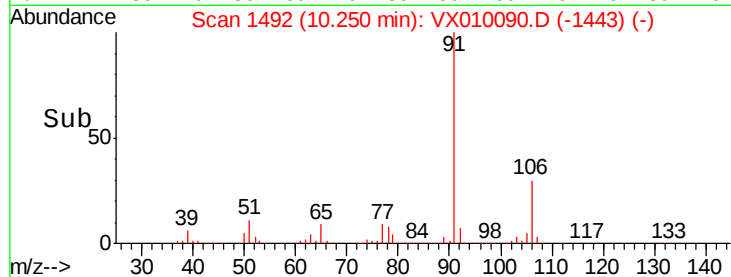
100000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 102.385 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010090.D

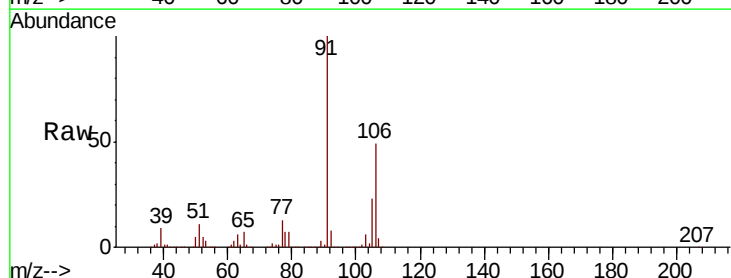
Acq: 05 Jun 2019 20:22

Tgt Ion: 106 Resp: 331782

Ion Ratio Lower Upper

106 100

91 206.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

300000

200000

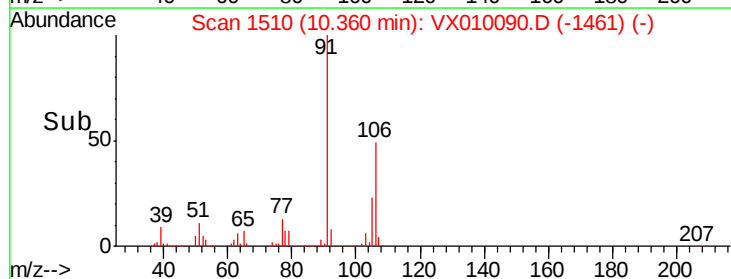
100000

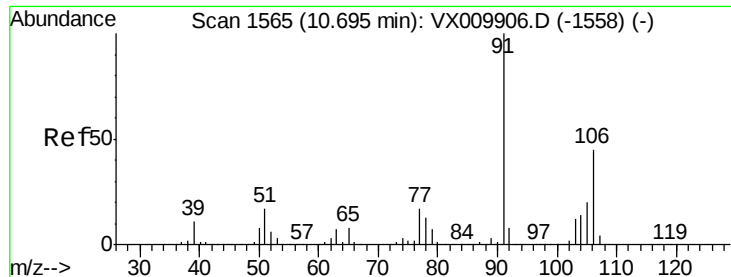
0

10.30

10.40

Time-->

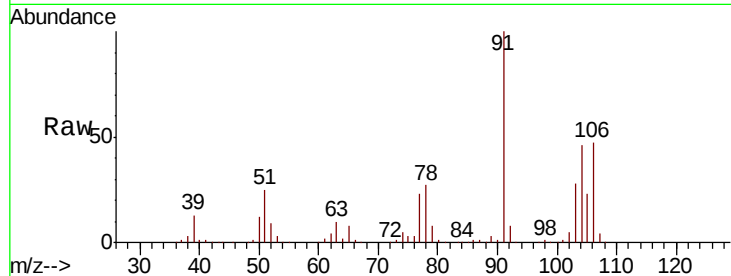




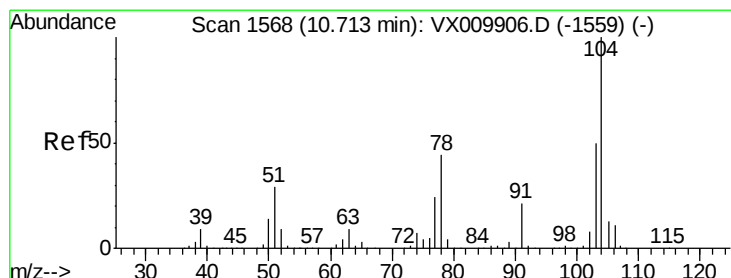
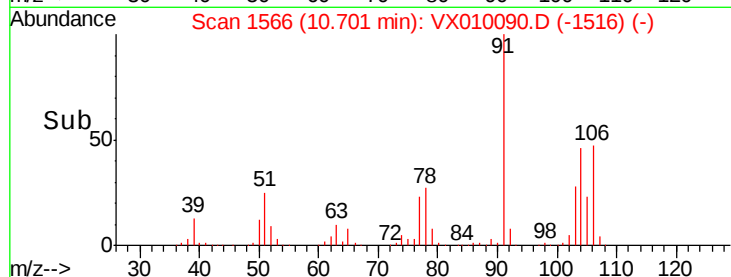
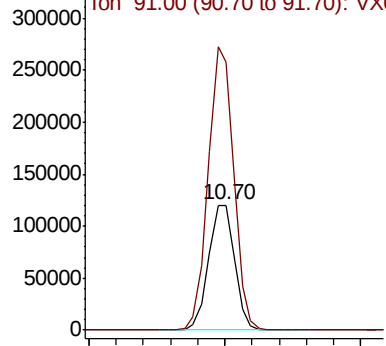
#69
o-Xylene
Concen: 51.665 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 160565
Ion Ratio Lower Upper
106 100
91 220.7 110.4 331.2

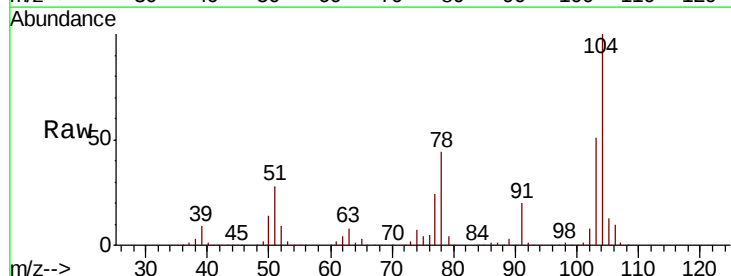


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

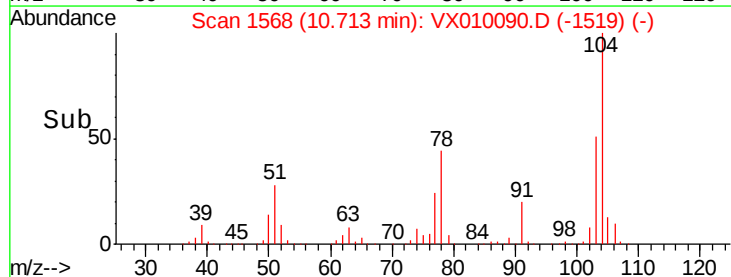
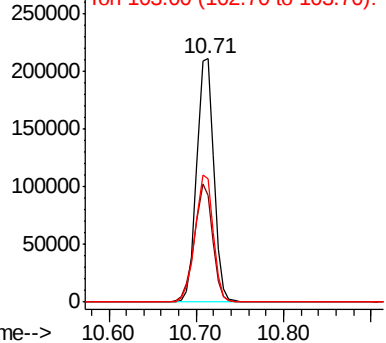


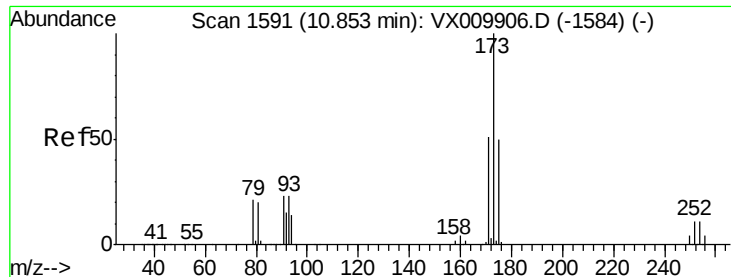
#70
Styrene
Concen: 52.303 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion:104 Resp: 285031
Ion Ratio Lower Upper
104 100
78 51.3 42.1 63.1
103 55.3 44.1 66.1



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: 54.014 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

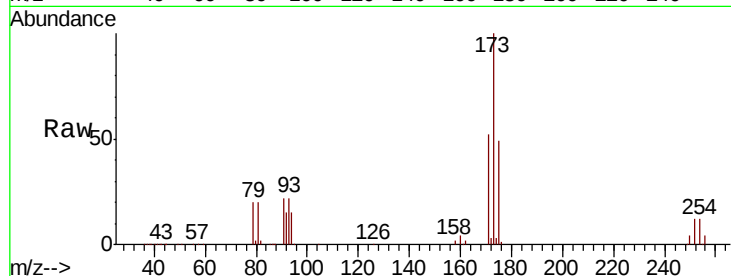
Tot Ion:173 Resp: 74811

Ion Ratio Lower Upper

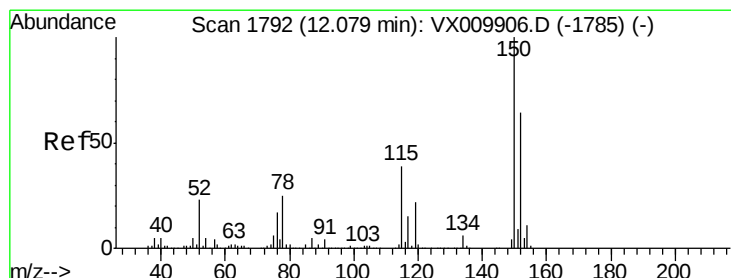
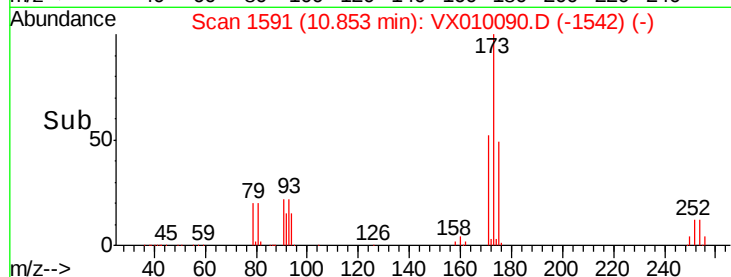
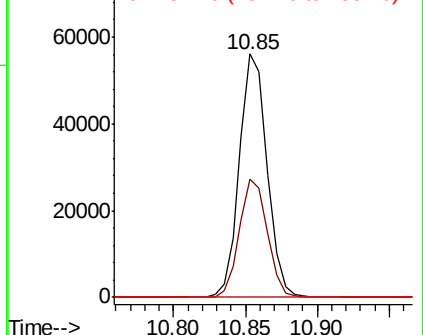
173 100

175 49.1 25.0 75.0

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

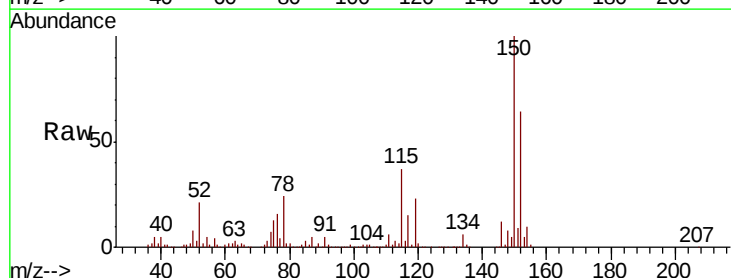
Tgt Ion:152 Resp: 116155

Ion Ratio Lower Upper

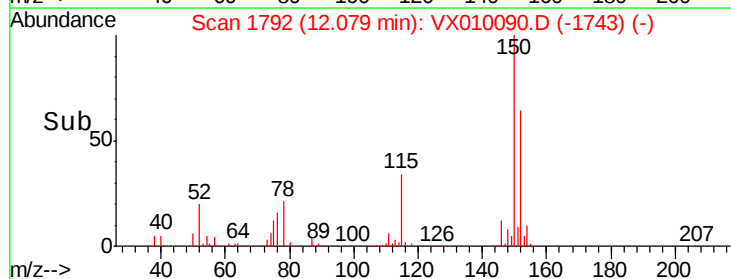
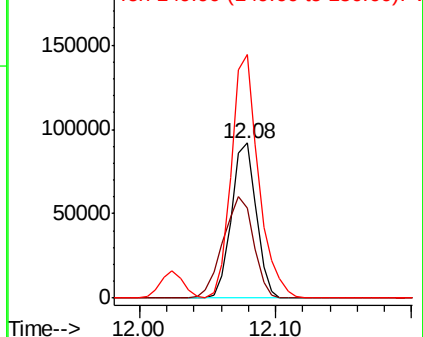
152 100

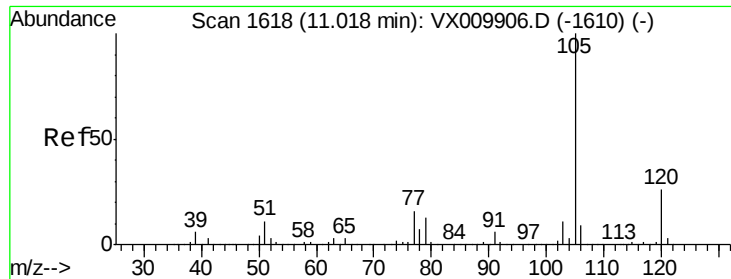
115 80.8 41.4 124.2

150 172.4 0.0 345.2



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: 49.801 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

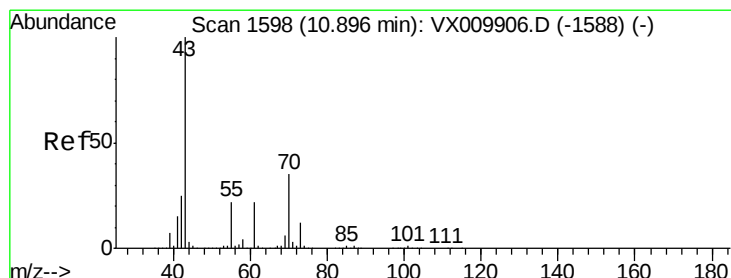
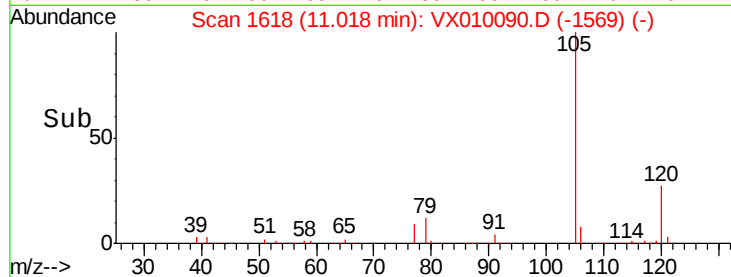
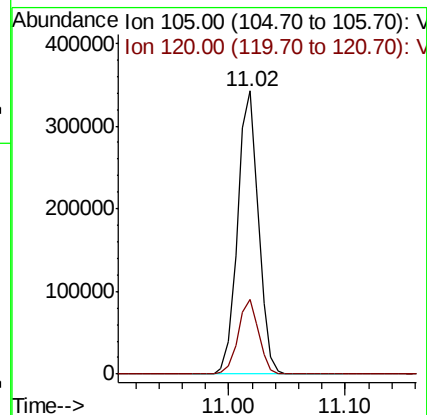
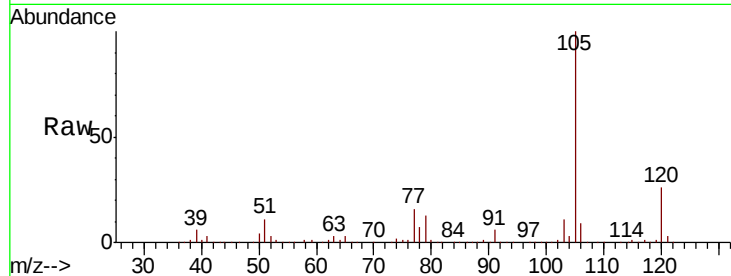
ClientSampleId :

Tot Ion:105 Resp: 426808

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



#74

N-ethyl acetate

Concen: 49.060 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Tgt Ion: 43 Resp: 251244

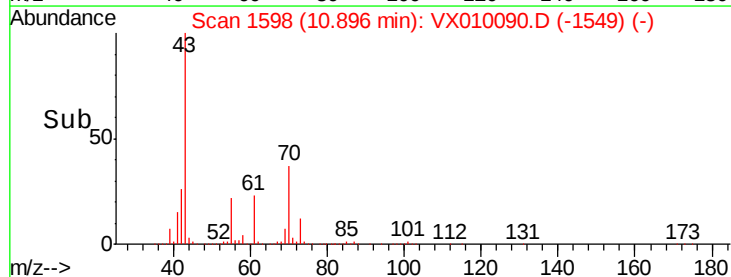
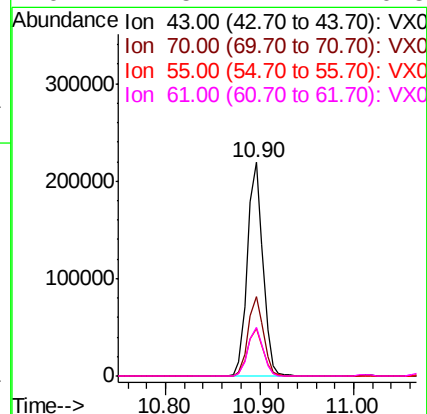
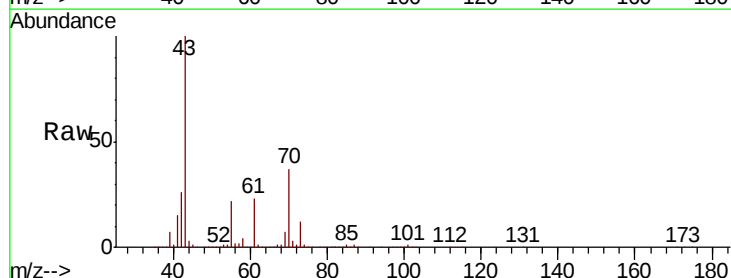
Ion Ratio Lower Upper

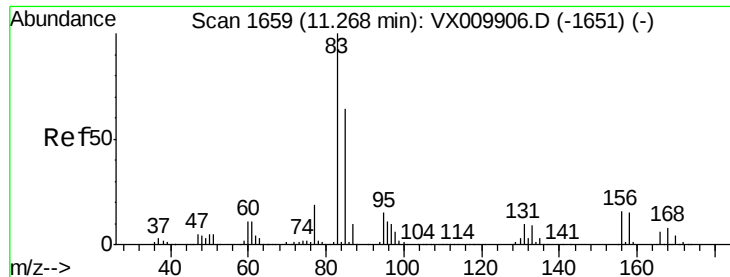
43 100

70 37.1 28.6 43.0

55 22.3 17.8 26.8

61 22.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.173 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

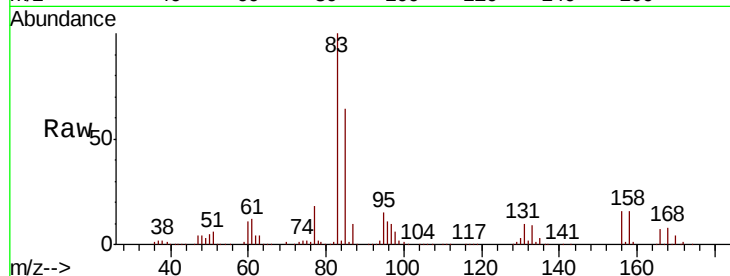
Tot Ion: 83 Resp: 154024

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.1

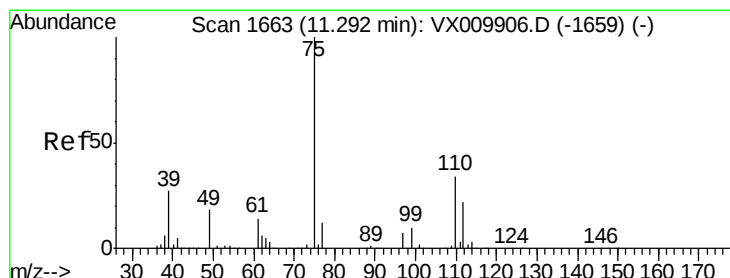
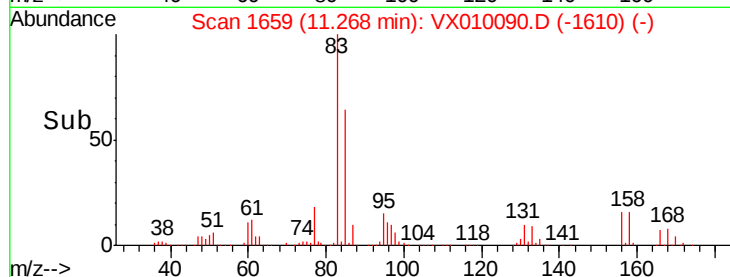
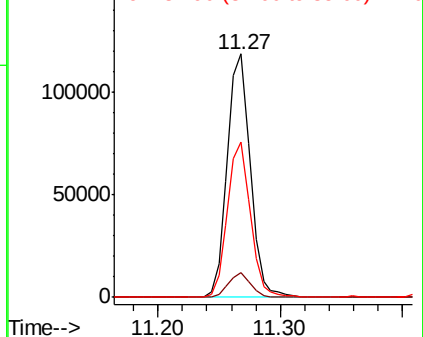
85 63.9 31.9 95.9



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: 66.568 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010090.D

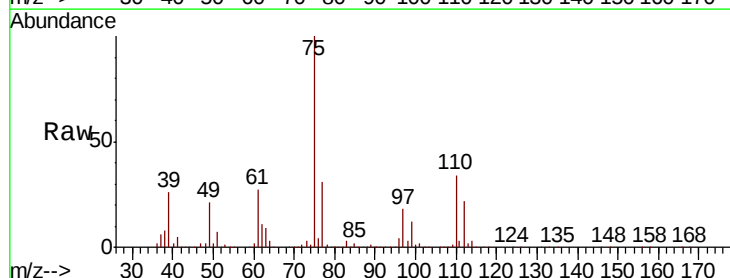
Acq: 05 Jun 2019 20:22

Tgt Ion: 75 Resp: 184902

Ion Ratio Lower Upper

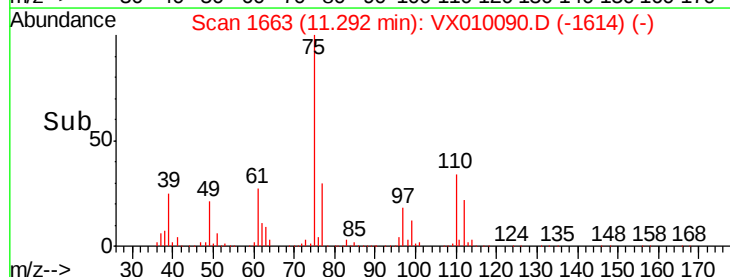
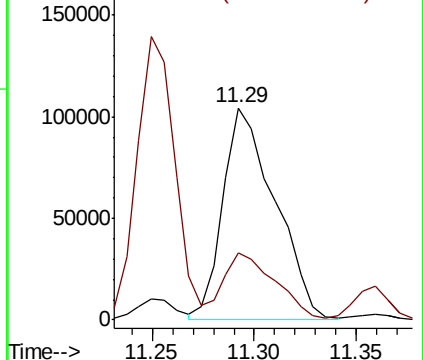
75 100

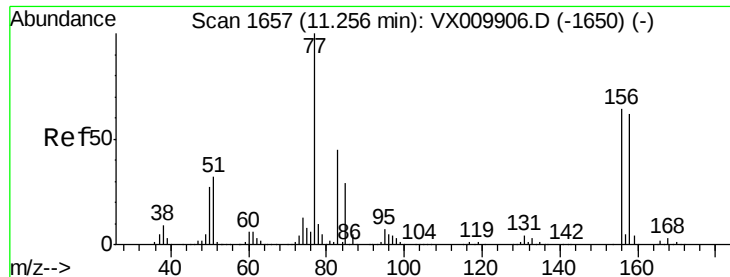
77 31.7 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.830 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

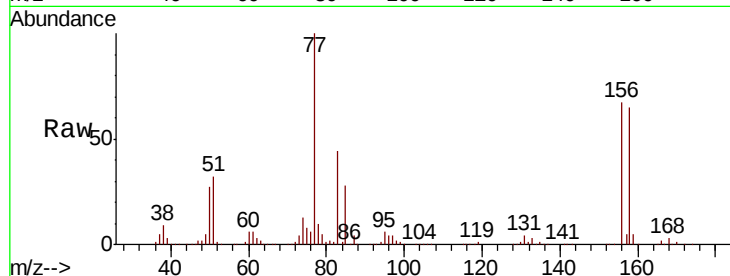
Tot Ion:156 Resp: 108833

Ion Ratio Lower Upper

156 100

77 165.1 86.8 260.3

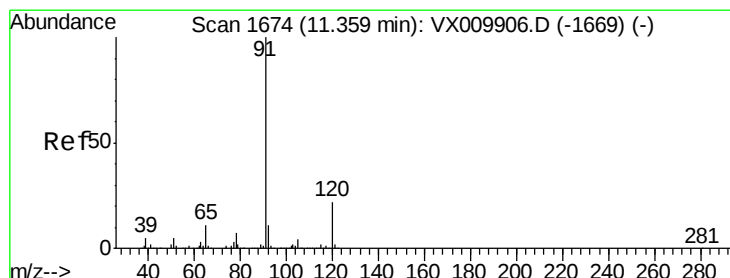
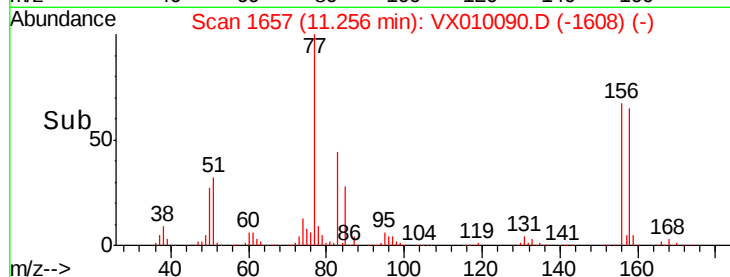
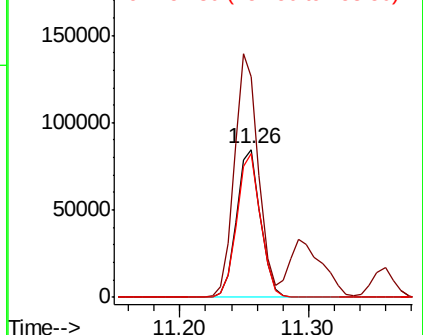
158 96.7 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.179 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010090.D

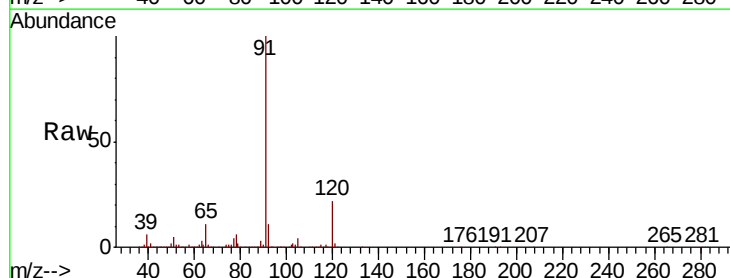
Acq: 05 Jun 2019 20:22

Tgt Ion: 91 Resp: 495691

Ion Ratio Lower Upper

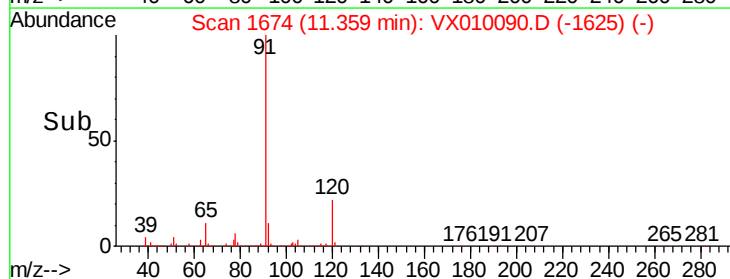
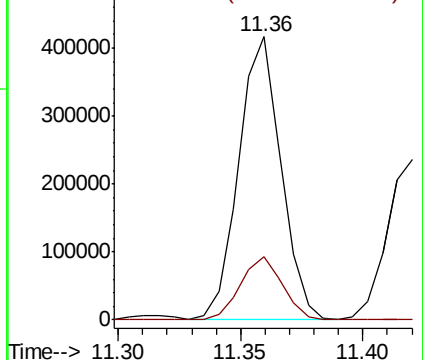
91 100

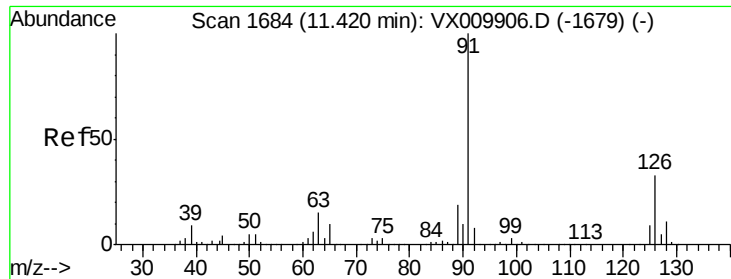
120 22.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.739 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

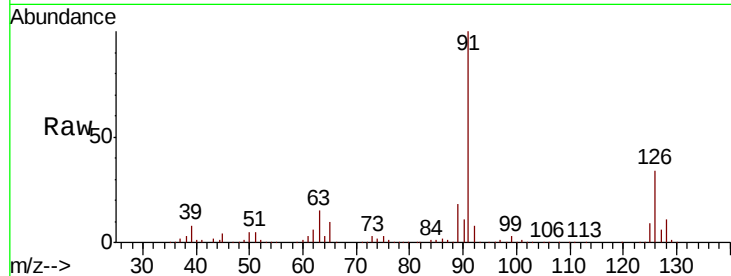
ClientSampleId :

Tot Ion: 91 Resp: 294164

Ion Ratio Lower Upper

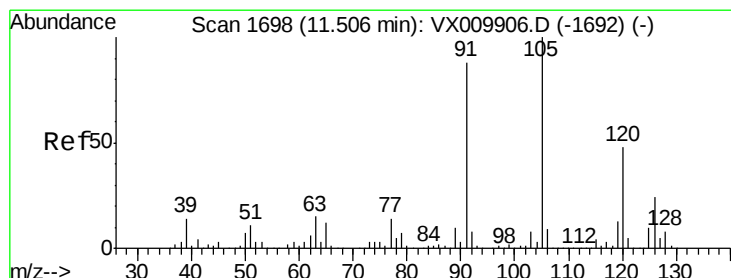
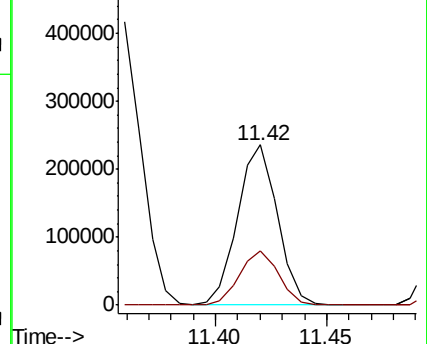
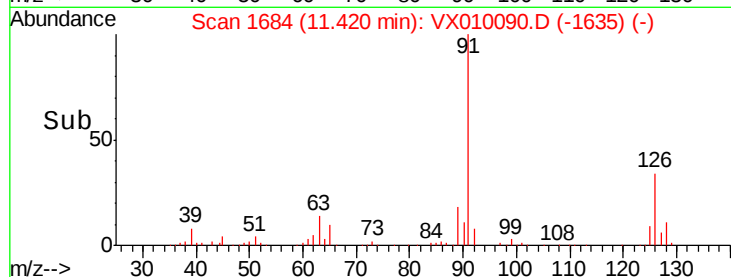
91 100

126 33.1 16.1 48.3



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: 50.498 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010090.D

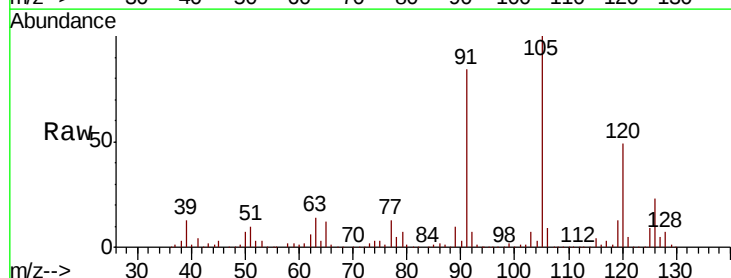
Acq: 05 Jun 2019 20:22

Tgt Ion:105 Resp: 364598

Ion Ratio Lower Upper

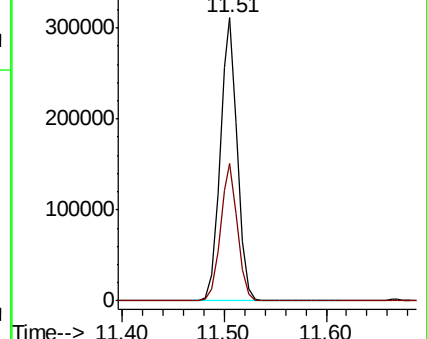
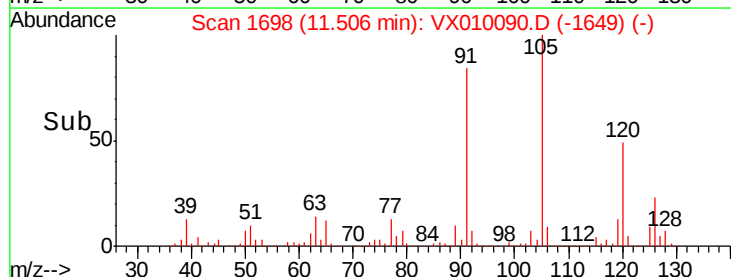
105 100

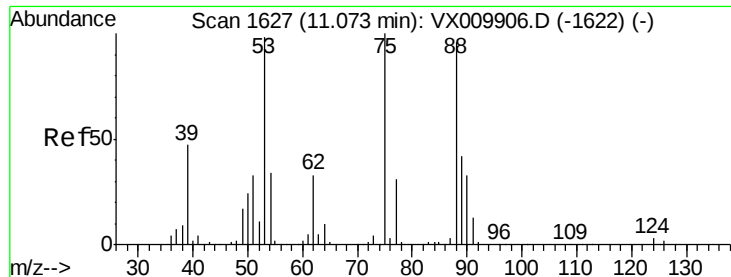
120 48.3 24.1 72.3



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: 46.779 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

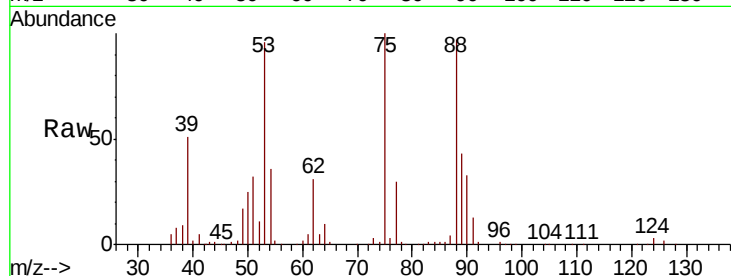
Tot Ion: 75 Resp: 52517

Ion Ratio Lower Upper

75 100

53 101.2 79.8 119.6

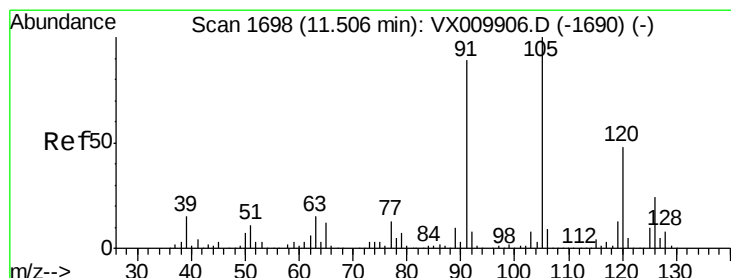
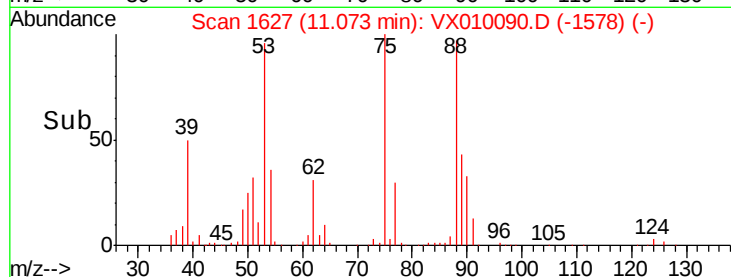
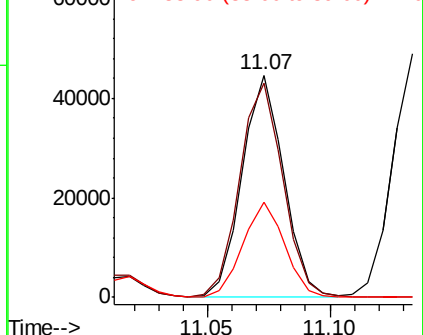
89 43.4 34.2 51.4



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: 48.693 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010090.D

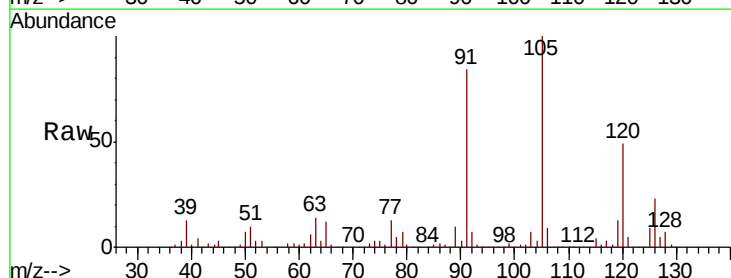
Acq: 05 Jun 2019 20:22

Tgt Ion: 91 Resp: 342119

Ion Ratio Lower Upper

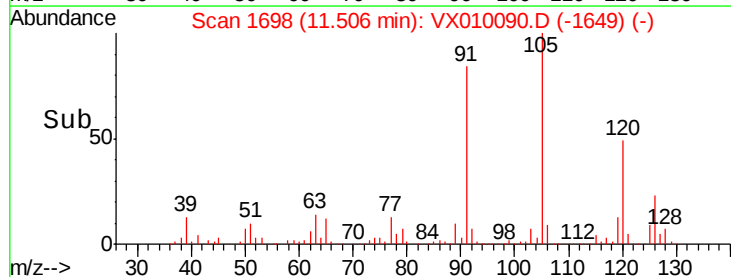
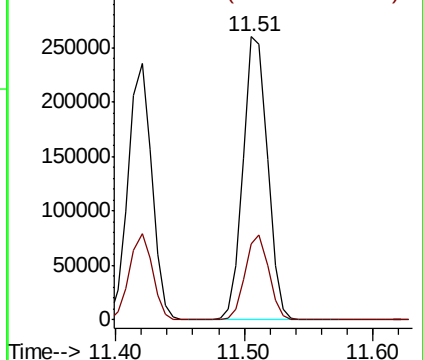
91 100

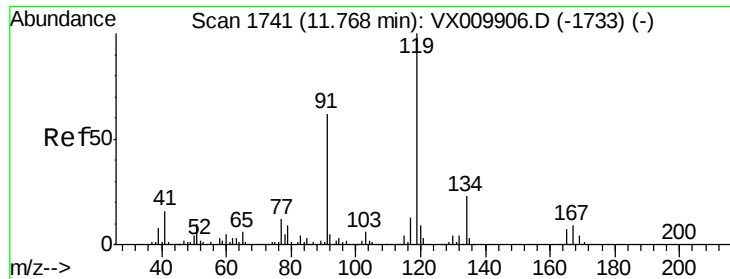
126 29.1 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.589 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

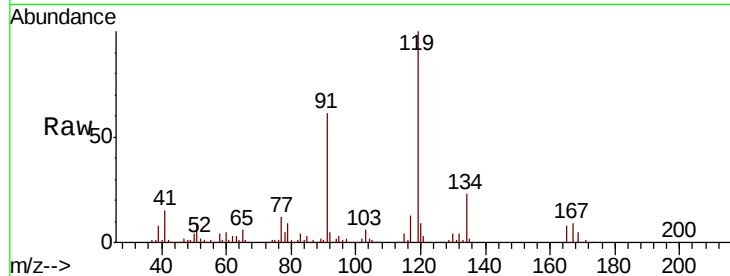
Tot Ion:119 Resp: 349443

Ion Ratio Lower Upper

119 100

91 58.8 30.0 90.0

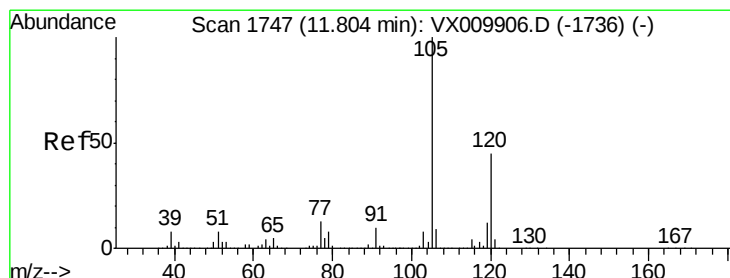
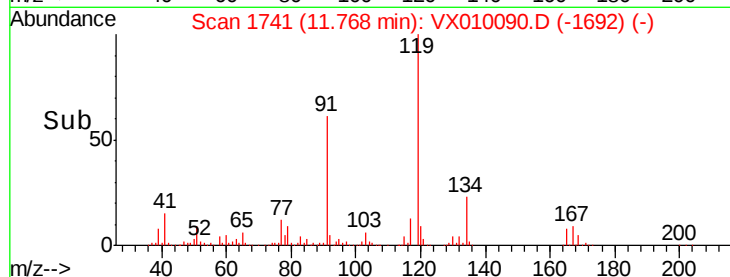
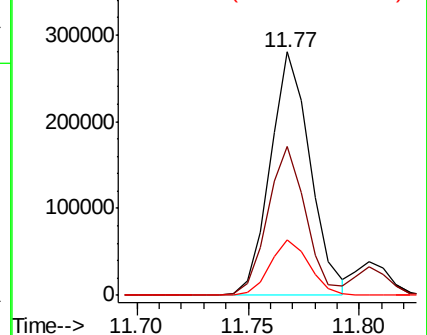
134 22.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.811 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010090.D

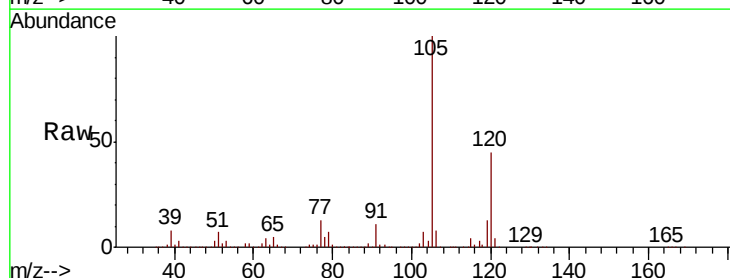
Acq: 05 Jun 2019 20:22

Tgt Ion:105 Resp: 365227

Ion Ratio Lower Upper

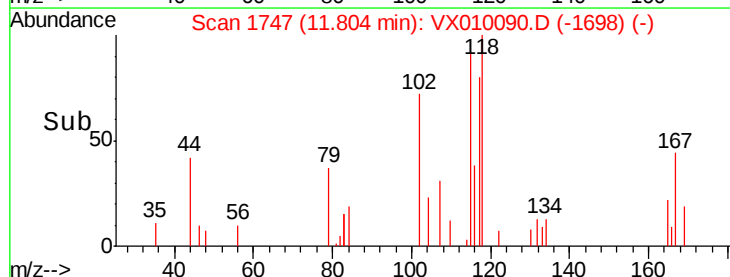
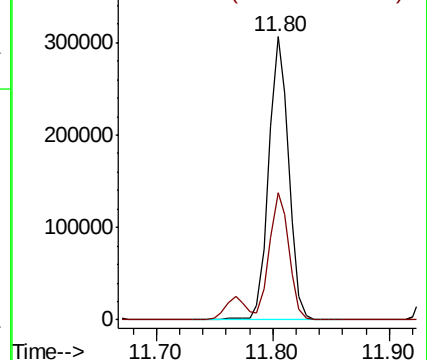
105 100

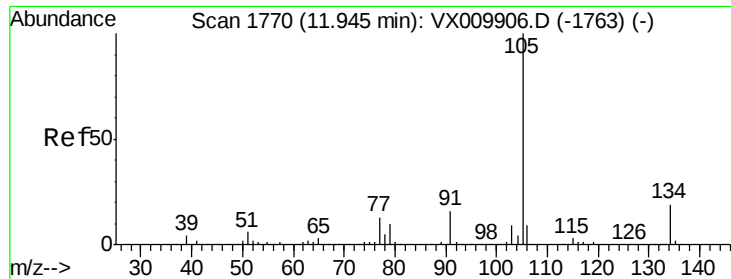
120 44.1 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.016 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

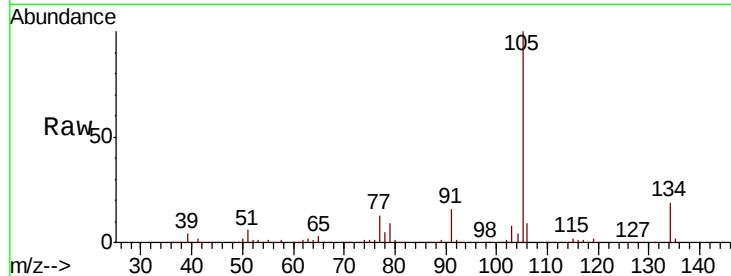
ClientSampleId :

Tot Ion:105 Resp: 411010

Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

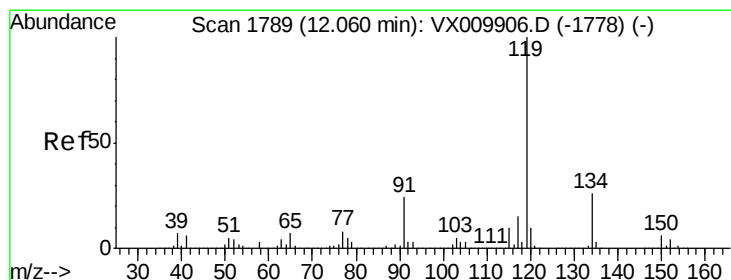
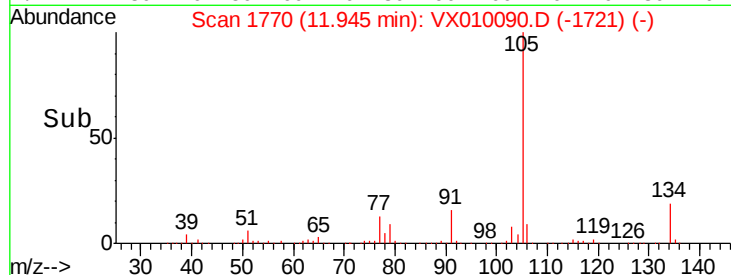
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.515 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

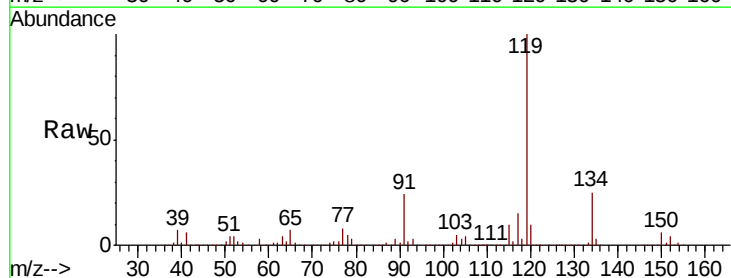
Tgt Ion:119 Resp: 373380

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.9 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

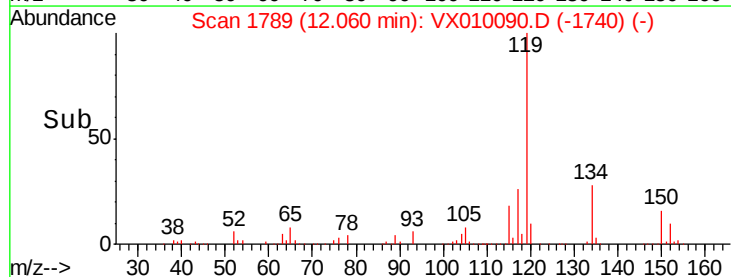
300000

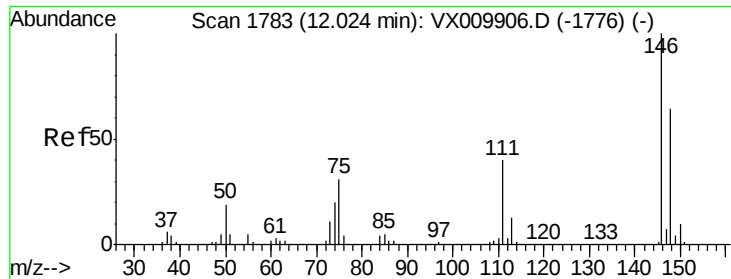
200000

100000

0

Time-->

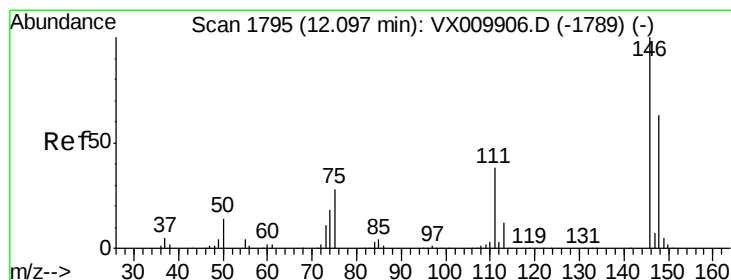
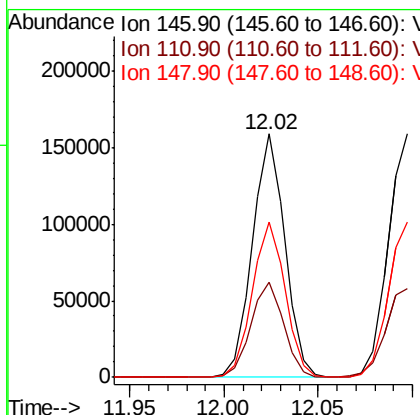
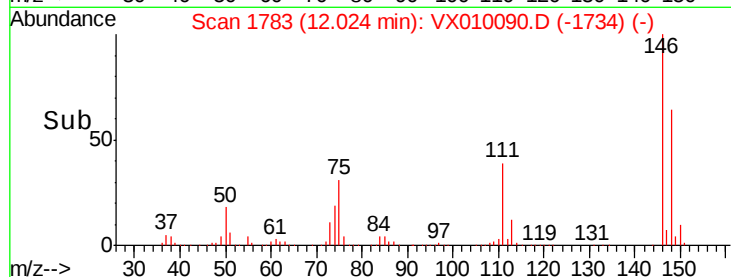
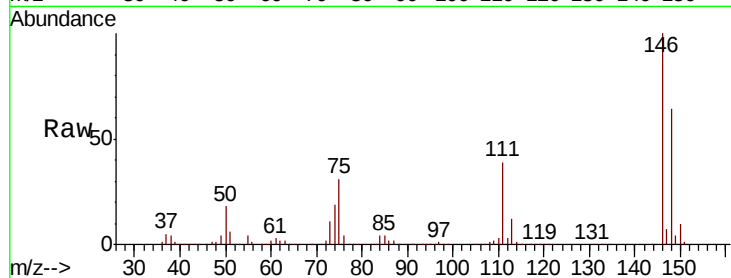




#87
 1,3-Dichlorobenzene
 Concen: 48.966 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

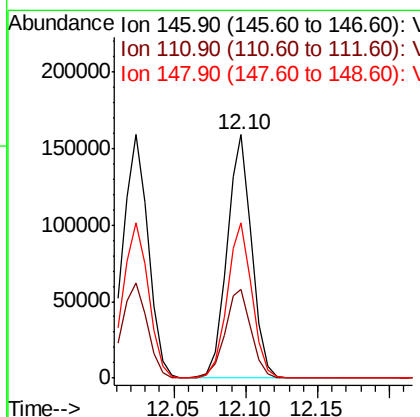
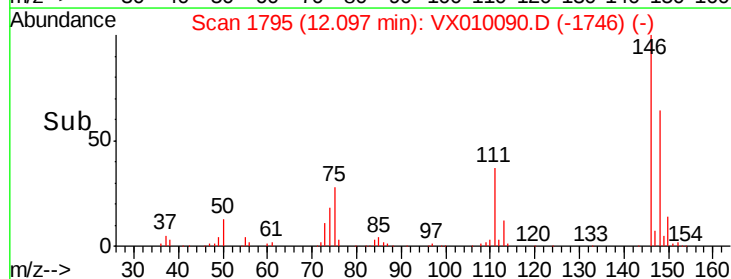
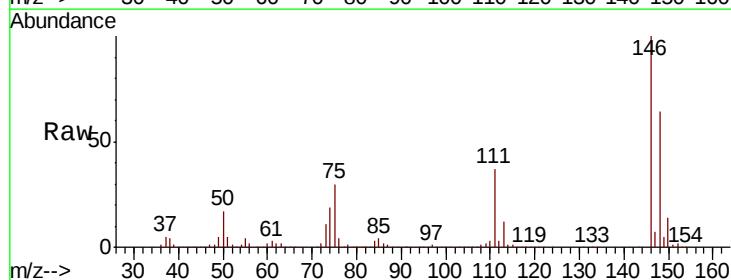
Instrument :
 MSVOA_X
 ClientSampleId :

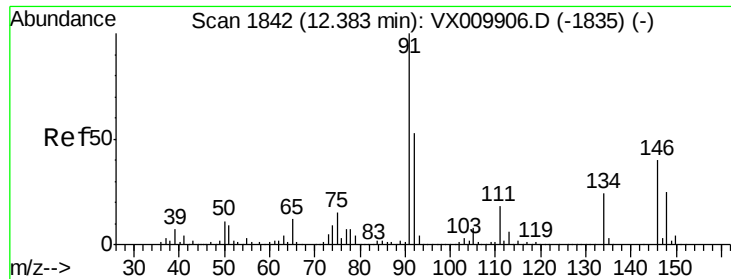
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.2
148	64.3	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.060 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	59.9
148	64.0	32.3	96.9

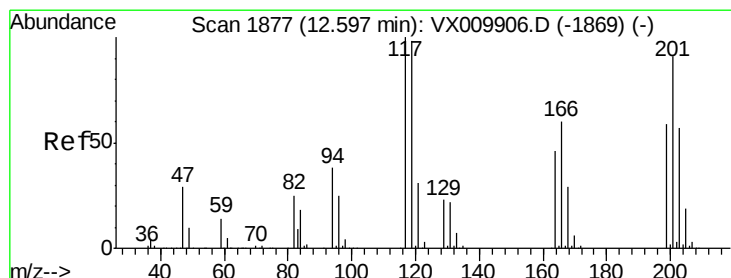
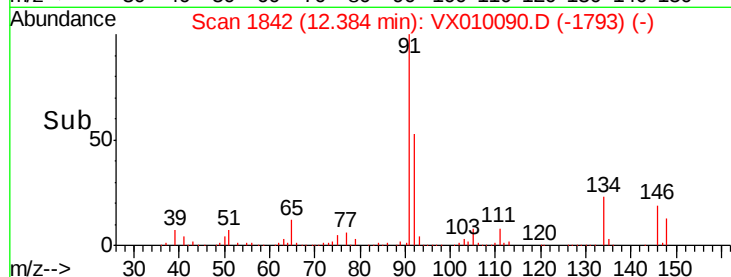
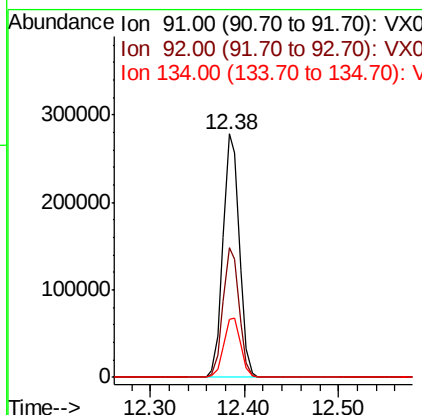
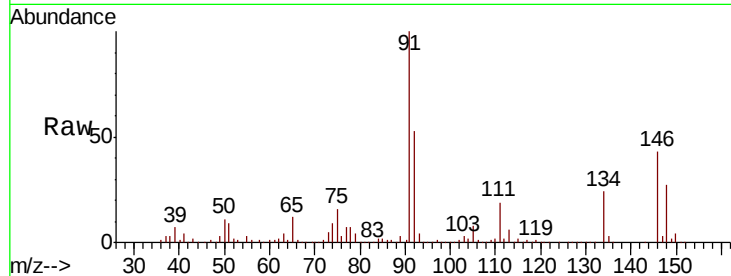




#89
n-Butylbenzene
Concen: 48.071 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

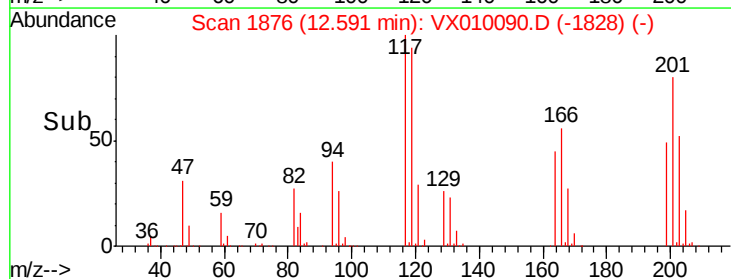
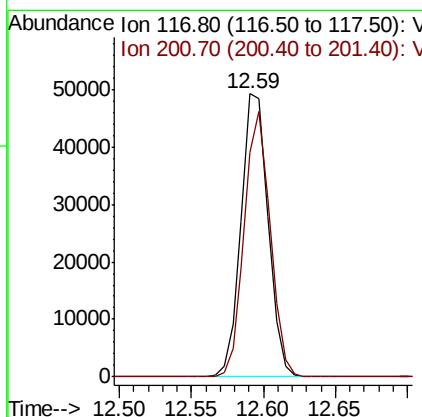
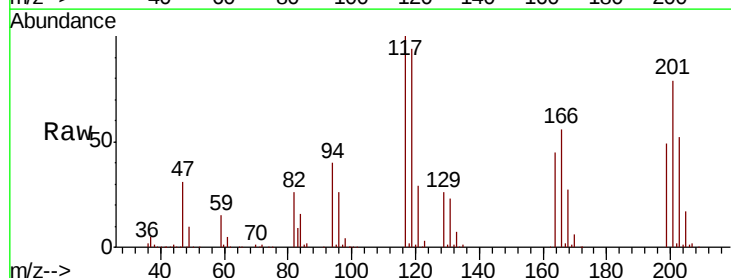
Instrument :
MSVOA_X
ClientSampled :

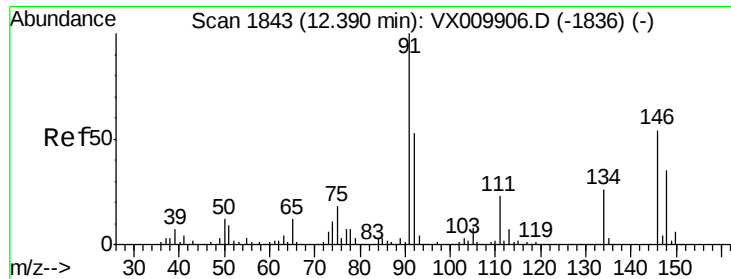
Tot Ion: 91 Resp: 333923
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 25.1 12.3 36.8



#90
Hexachloroethane
Concen: 50.796 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010090.D
Acq: 05 Jun 2019 20:22

Tgt Ion: 117 Resp: 64433
Ion Ratio Lower Upper
117 100
201 89.3 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 49.647 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

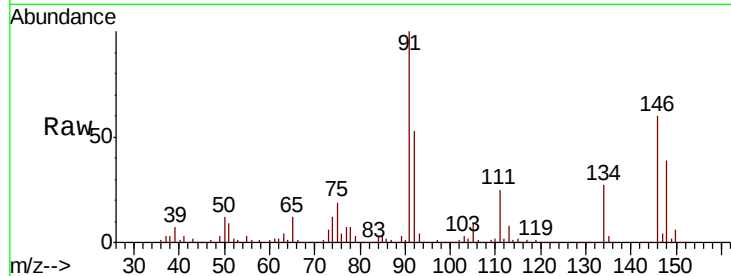
Tot Ion:146 Resp: 190328

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.1

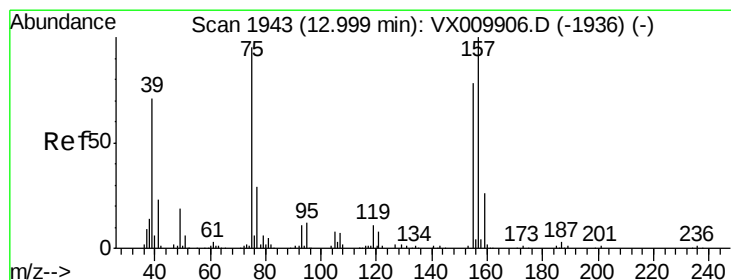
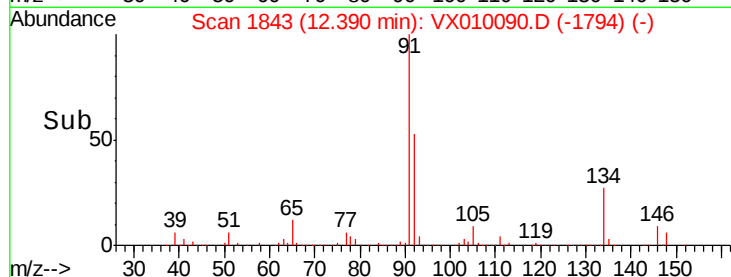
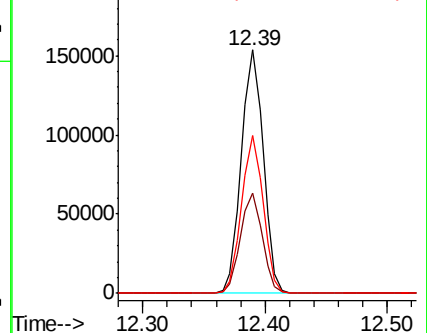
148 63.6 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.263 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

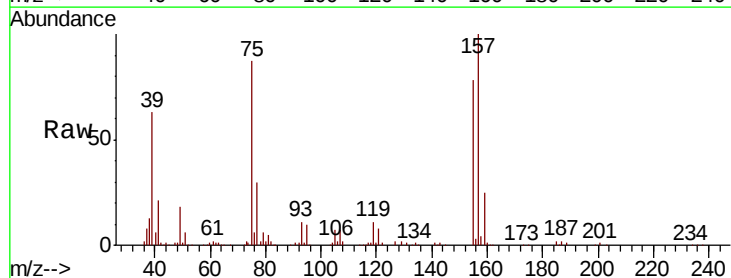
Tgt Ion: 75 Resp: 35570

Ion Ratio Lower Upper

75 100

155 83.8 39.3 117.8

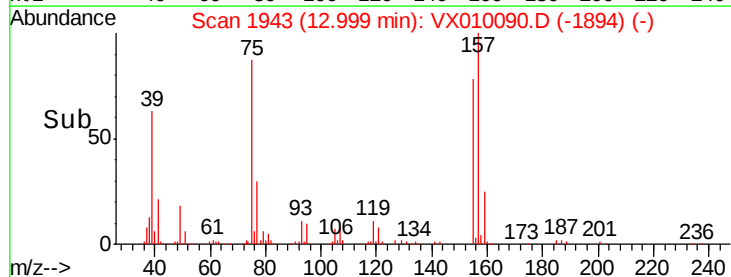
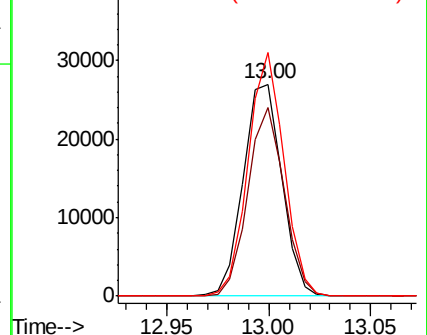
157 106.5 50.6 151.8

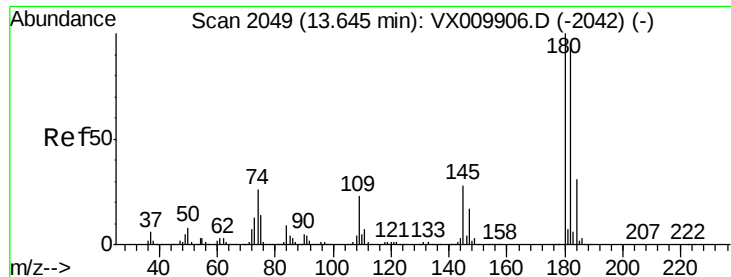


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

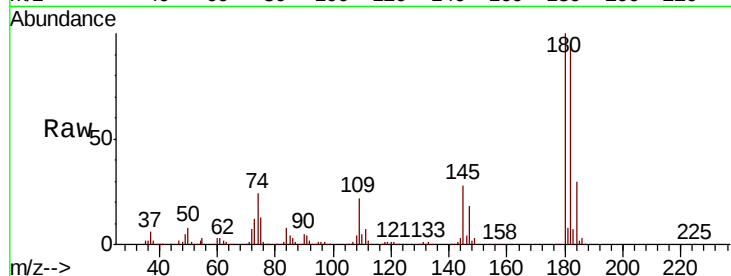




#93
 1,2,4-Trichlorobenzene
 Concen: 49.138 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	28.7	14.5	43.5

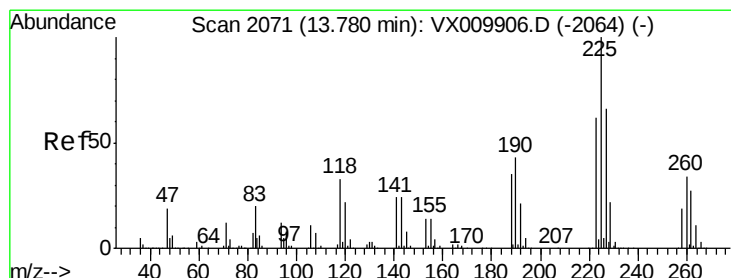
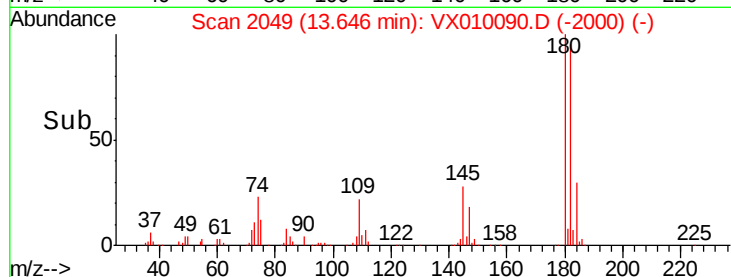
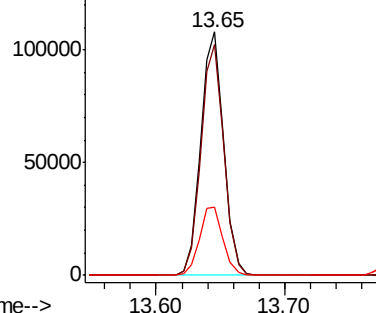


Abundance

Ion 179.80 (179.50 to 180.50): V

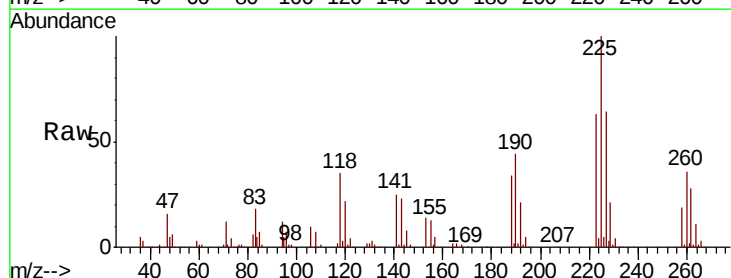
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 43.334 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010090.D
 Acq: 05 Jun 2019 20:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.8
227	64.6	32.3	96.8

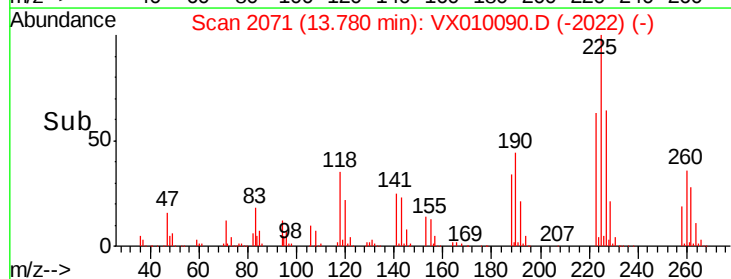
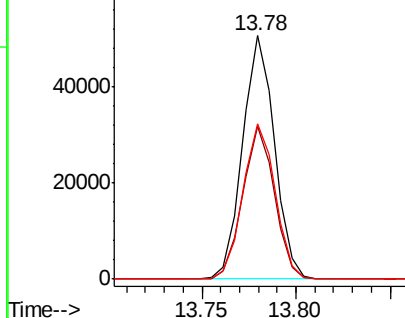


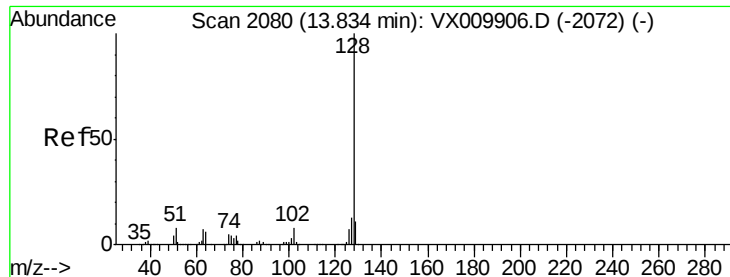
Abundance

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: 50.660 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

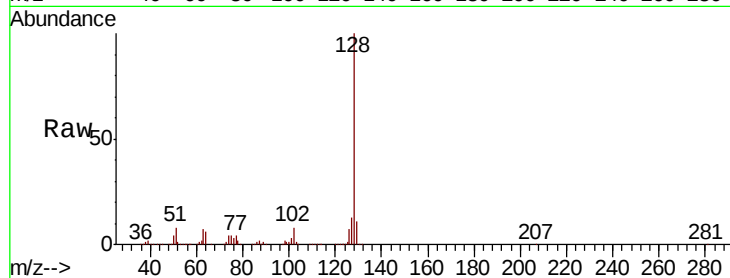
Tot Ion:128 Resp: 431903

Ion Ratio Lower Upper

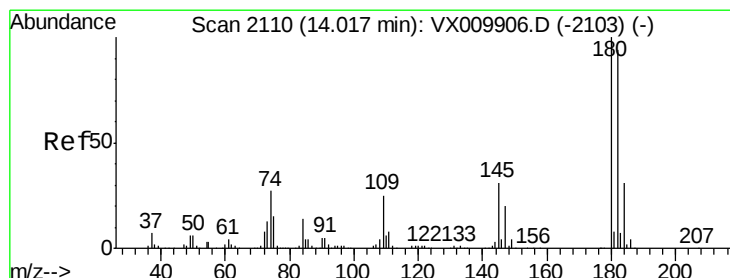
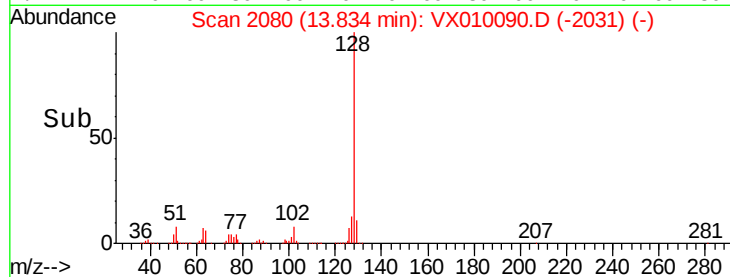
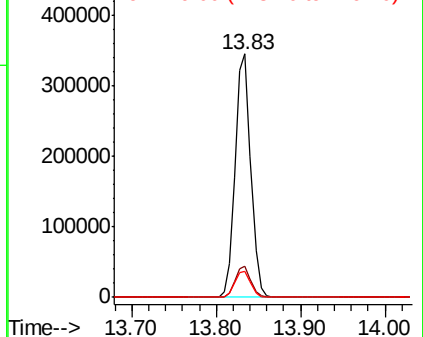
128 100

127 13.0 10.6 16.0

129 11.0 8.8 13.2



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: 48.961 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010090.D

Acq: 05 Jun 2019 20:22

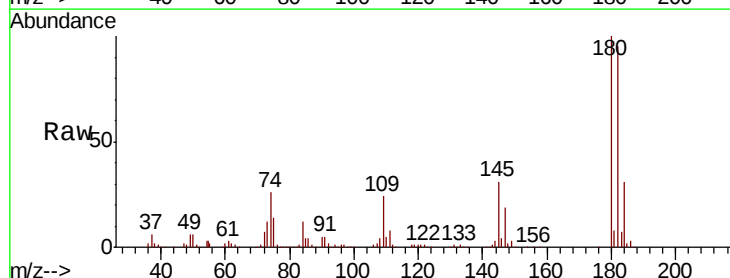
Tgt Ion:180 Resp: 134265

Ion Ratio Lower Upper

180 100

182 96.4 47.3 142.0

145 30.7 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

