

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072319\
 Data File : VX011050.D
 Acq On : 23 Jul 2019 11:19
 Operator : JC/SP
 Sample : K3591-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 05:00:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	210466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	112261	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	5.50	113	99860	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.71	98	370211	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.13	95	130976	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3015	1.875	ug/l	95
3) Chloromethane	1.32	50	4078	2.107	ug/l	90
4) Vinyl Chloride	1.41	62	4117	2.085	ug/l	91
5) Bromomethane	1.64	94	3570	3.209	ug/l	93
6) Chloroethane	1.73	64	4528	3.609	ug/l	94
7) Trichlorofluoromethane	1.93	101	7950	2.379	ug/l	91
8) Diethyl Ether	2.19	74	3069	2.666	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	4977	2.608	ug/l	96
10) Methyl Iodide	2.51	142	4629	1.849	ug/l	97
11) Tert butyl alcohol	3.03	59	13101	25.124	ug/l	95
12) 1,1-Dichloroethene	2.37	96	4507	2.404	ug/l	93
13) Acrolein	2.29	56	3813	12.656	ug/l	96
14) Allyl chloride	2.72	41	6240	2.292	ug/l	97
15) Acrylonitrile	3.14	53	14648	13.902	ug/l	97
16) Acetone	2.45	43	13644	13.492	ug/l	96
17) Carbon Disulfide	2.57	76	9559	1.988	ug/l	98
18) Methyl Acetate	2.78	43	8834	3.836	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	15938	2.641	ug/l	97
20) Methylene Chloride	2.86	84	5862	2.735	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	4738	2.382	ug/l	93
22) Diisopropyl ether	3.86	45	14797	2.576	ug/l	94
23) Vinyl Acetate	3.82	43	51910	10.668	ug/l	100
24) 1,1-Dichloroethane	3.70	63	8975	2.691	ug/l	100
25) 2-Butanone	4.68	43	19246	13.258	ug/l	98
26) 2,2-Dichloropropane	4.59	77	6879	2.512	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	5954	2.586	ug/l	92
28) Bromochloromethane	5.01	49	4284	2.726	ug/l	97
29) Tetrahydrofuran	5.14	42	12283	13.358	ug/l	99
30) Chloroform	5.21	83	9895	2.745	ug/l	88
31) Cyclohexane	5.58	56	7154	2.353	ug/l #	84
32) 1,1,1-Trichloroethane	5.49	97	7768	2.491	ug/l	99
36) 1,1-Dichloropropene	5.79	75	6687	2.535	ug/l	94
37) Ethyl Acetate	4.84	43	7383	2.734	ug/l #	94
38) Carbon Tetrachloride	5.79	117	6370	2.318	ug/l #	89

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	7905	2.311	ug/l	94
40) Benzene	6.14	78	20757	2.569	ug/l	99
41) Methacrylonitrile	5.04	41	3851	2.512	ug/l #	89
42) 1,2-Dichloroethane	6.19	62	7844	2.792	ug/l	100
43) Isopropyl Acetate	6.45	43	11397	2.566	ug/l	97
44) Trichloroethene	7.21	130	6138	2.567	ug/l	99
45) 1,2-Dichloropropane	7.51	63	5156	2.507	ug/l #	87
46) Dibromomethane	7.66	93	3965	2.698	ug/l	95
47) Bromodichloromethane	7.90	83	6641	2.539	ug/l #	91
48) Methyl methacrylate	7.77	41	5057	2.338	ug/l #	93
49) 1,4-Dioxane	7.74	88	3301	54.550	ug/l #	88
51) 4-Methyl-2-Pentanone	8.64	43	37565	13.049	ug/l	98
52) Toluene	8.79	92	13351	2.516	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	5842	2.077	ug/l #	82
54) cis-1,3-Dichloropropene	8.43	75	7138	2.281	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	5562	2.545	ug/l	97
56) Ethyl methacrylate	9.18	69	8017	2.508	ug/l	96
57) 1,3-Dichloropropane	9.37	76	8787	2.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	18036	11.820	ug/l	99
59) 2-Hexanone	9.49	43	27951	12.519	ug/l	99
60) Dibromochloromethane	9.58	129	4777	4.331	ug/l	97
61) 1,2-Dibromoethane	9.67	107	5761	2.484	ug/l	96
64) Tetrachloroethene	9.34	164	6119	2.723	ug/l	96
65) Chlorobenzene	10.13	112	14958	2.549	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	5205	2.524	ug/l	96
67) Ethyl Benzene	10.25	91	25336	2.537	ug/l	100
68) m/p-Xylenes	10.36	106	19190	5.009	ug/l	100
69) o-Xylene	10.69	106	9580	2.562	ug/l	100
70) Styrene	10.71	104	14750	2.366	ug/l	96
71) Bromoform	10.85	173	3399	4.267	ug/l #	97
73) Isopropylbenzene	11.02	105	25092	2.619	ug/l	98
74) N-amyl acetate	10.90	43	8929	2.439	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	8371	2.670	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	8012	3.132	ug/l	93
77) Bromobenzene	11.26	156	7032	2.661	ug/l	98
78) n-propylbenzene	11.36	91	26989	2.550	ug/l	99
79) 2-Chlorotoluene	11.42	91	16877	2.654	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	20064	2.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	66751	64.820	ug/l #	11
82) 4-Chlorotoluene	11.51	91	19008	2.568	ug/l	100
83) tert-Butylbenzene	11.77	119	20142	2.562	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	19927	2.470	ug/l	97
85) sec-Butylbenzene	11.94	105	24268	2.634	ug/l	99
86) p-Isopropyltoluene	12.06	119	21422	2.515	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	12394	2.703	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	12313	2.618	ug/l	86
89) n-Butylbenzene	12.38	91	17441	2.393	ug/l	99
90) Hexachloroethane	12.59	117	2560	1.906	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	11653	2.564	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1563	2.385	ug/l	94

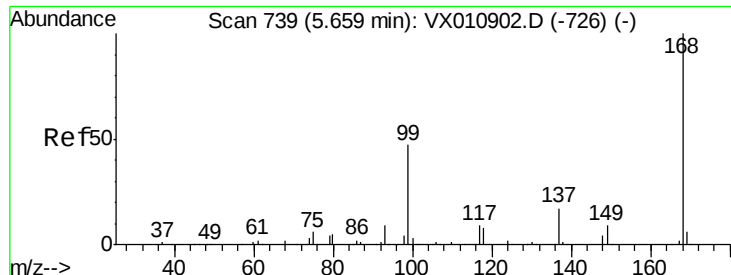
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072319\
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Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7590	2.464	ug/l	97
94) Hexachlorobutadiene	13.78	225	4230	2.771	ug/l	92
95) Naphthalene	13.83	128	21527	2.367	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	7732	2.523	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

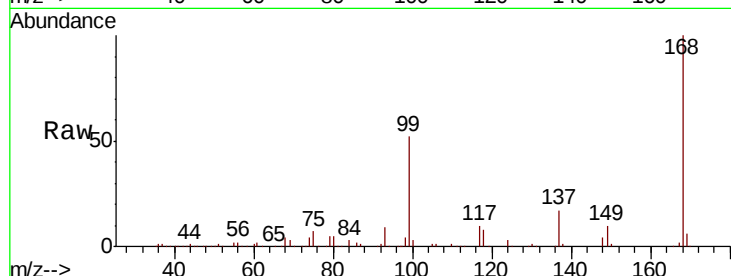
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 210466

Ion Ratio Lower Upper

168 100

99 52.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

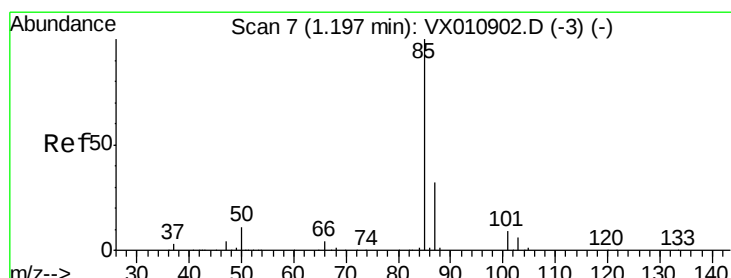
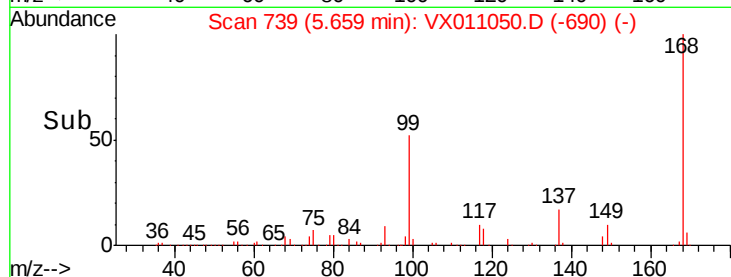
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.875 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011050.D

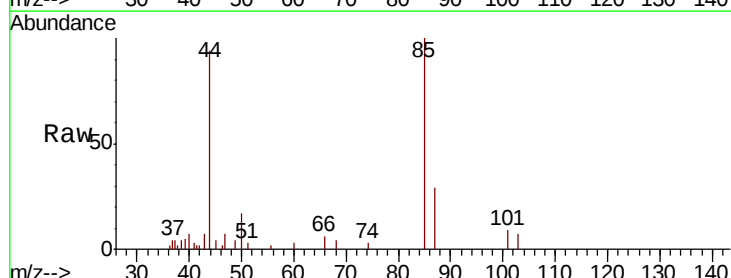
Acq: 23 Jul 2019 11:19

Tgt Ion: 85 Resp: 3015

Ion Ratio Lower Upper

85 100

87 28.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

3000

2500

2000

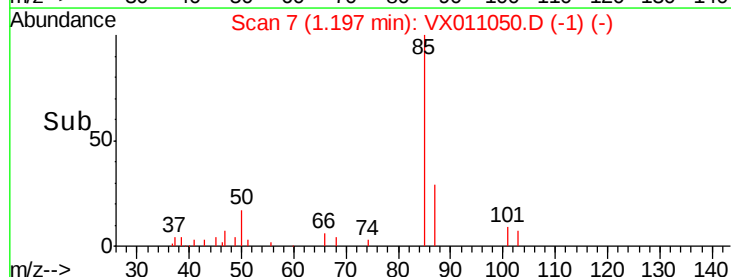
1500

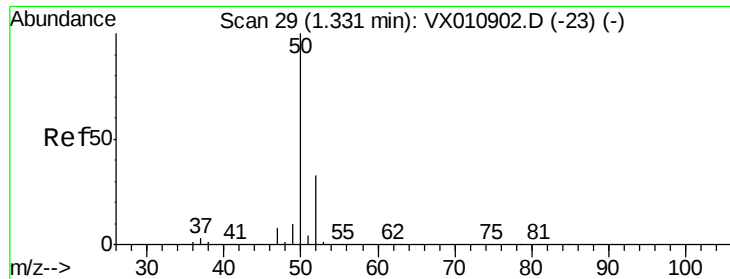
1000

500

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 2.107 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

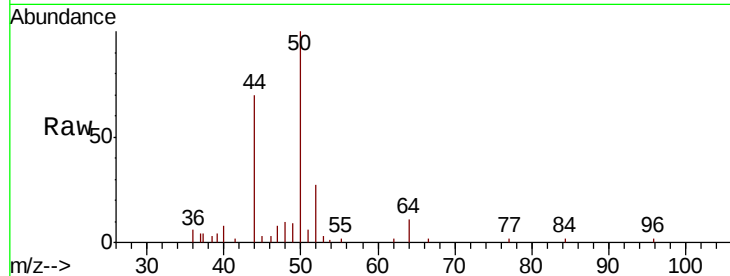
ClientSampleId :

Tot Ion: 50 Resp: 4078

Ion Ratio Lower Upper

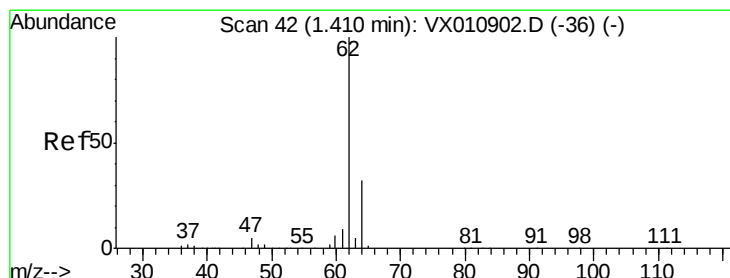
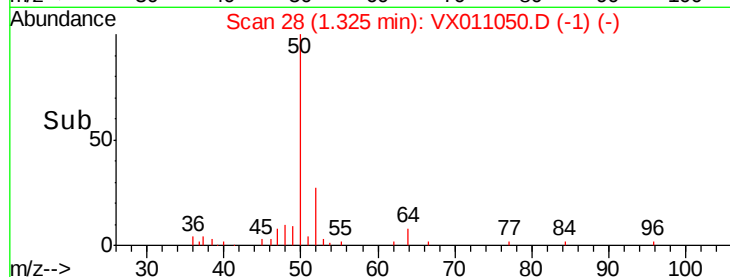
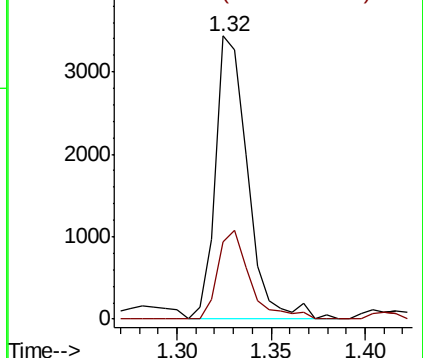
50 100

52 27.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.085 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX011050.D

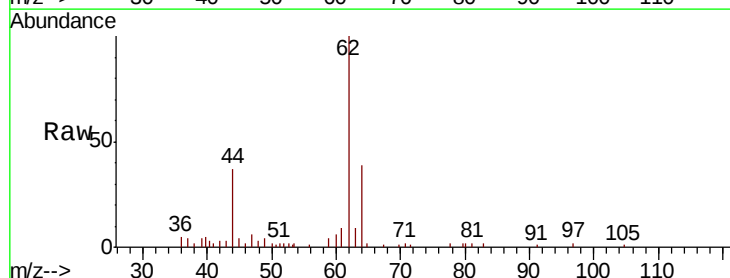
Acq: 23 Jul 2019 11:19

Tgt Ion: 62 Resp: 4117

Ion Ratio Lower Upper

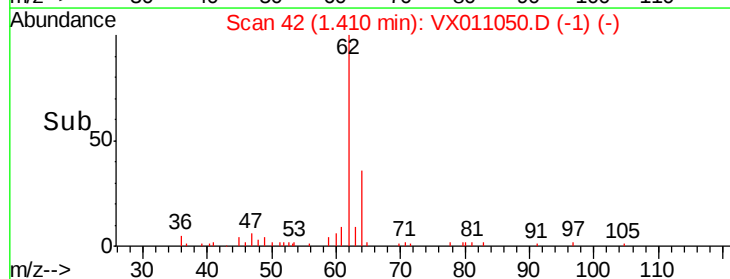
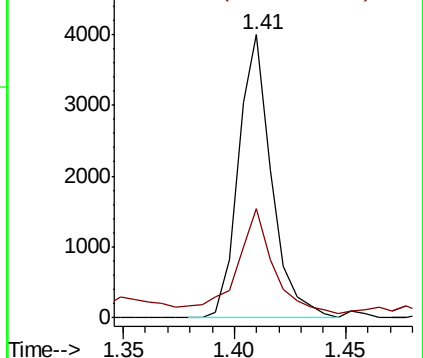
62 100

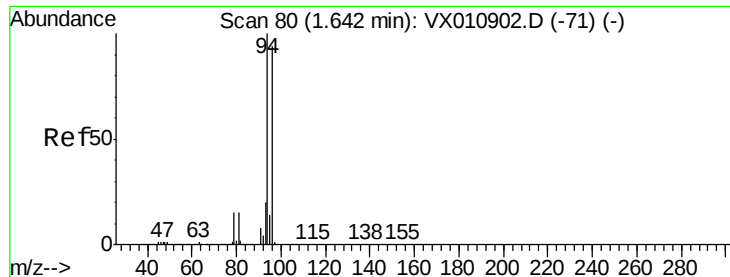
64 37.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.209 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

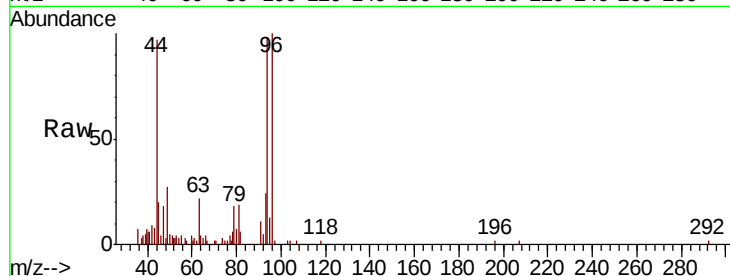
ClientSampleId :

Tot Ion: 94 Resp: 3570

Ion Ratio Lower Upper

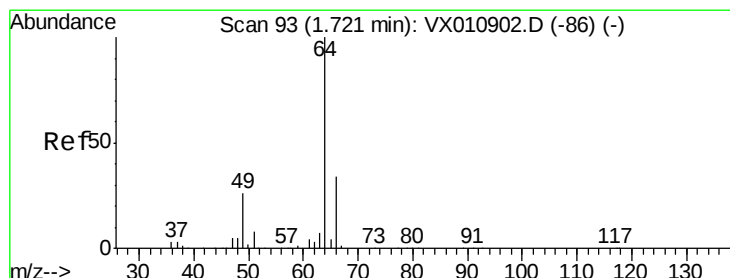
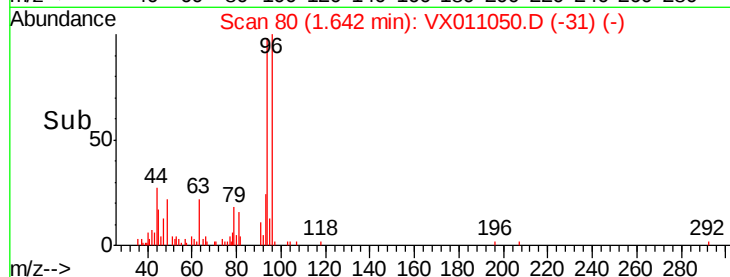
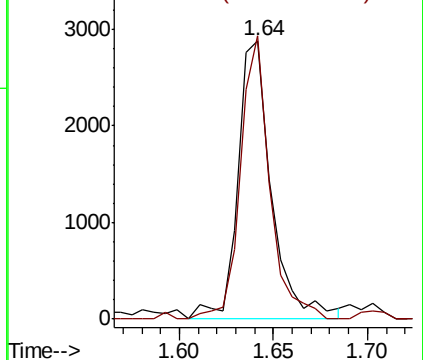
94 100

96 101.5 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 3.609 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011050.D

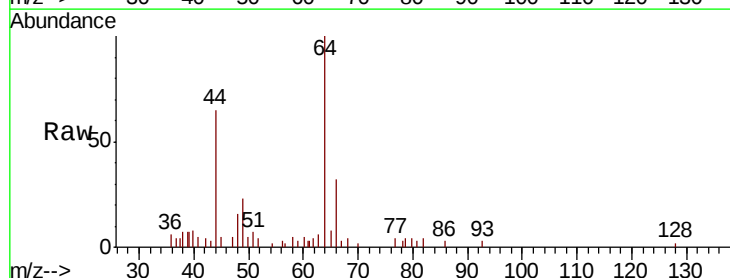
Acq: 23 Jul 2019 11:19

Tgt Ion: 64 Resp: 4528

Ion Ratio Lower Upper

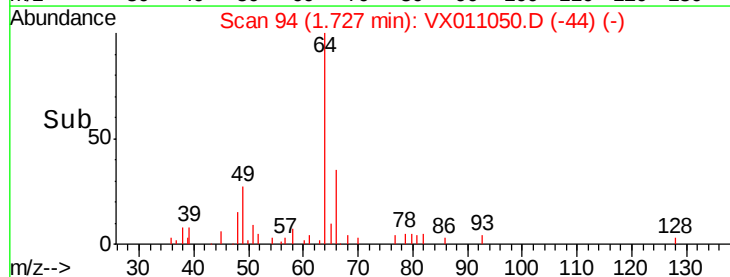
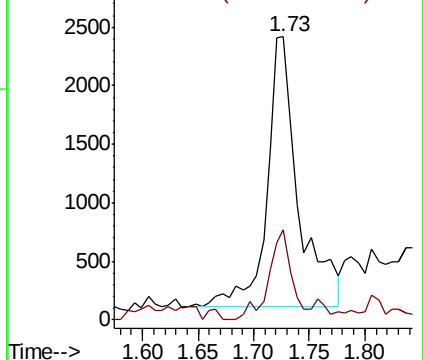
64 100

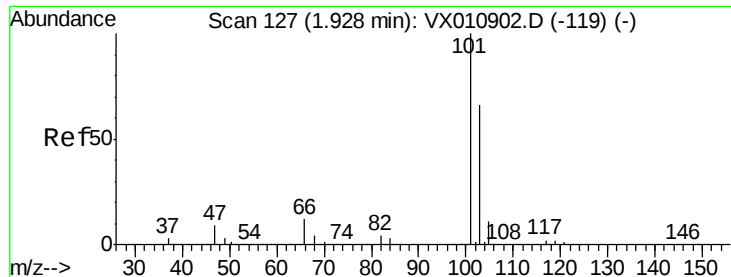
66 30.4 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



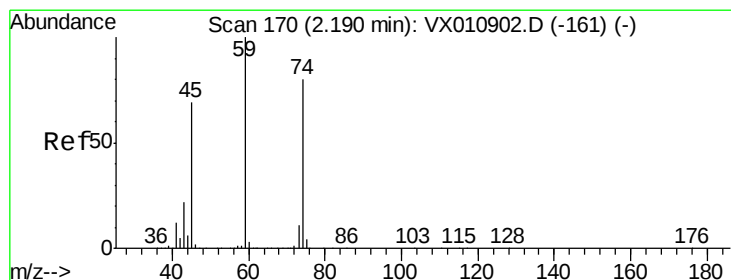
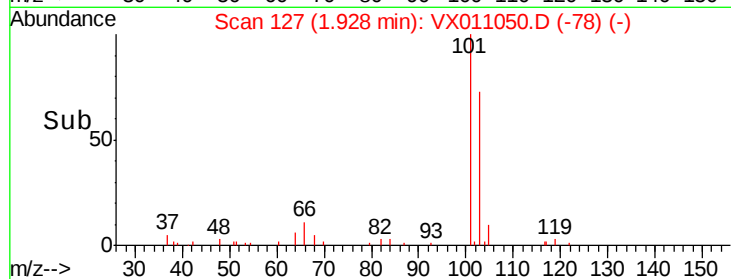
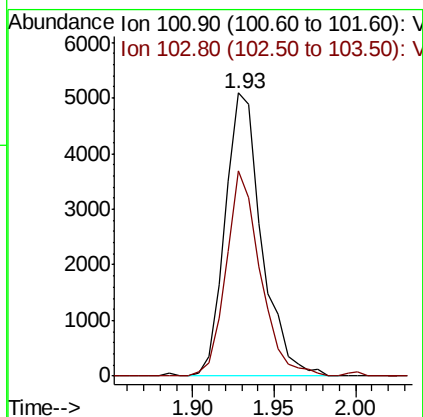
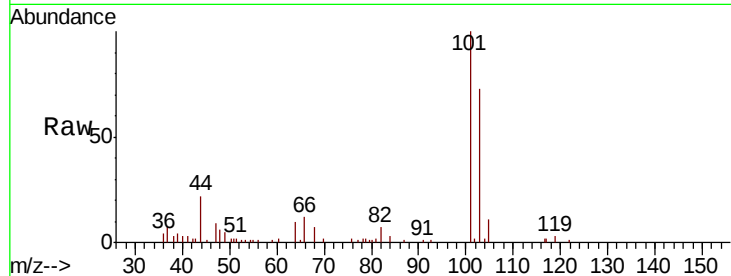


#7

Trichlorofluoromethane
 Concen: 2.379 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :

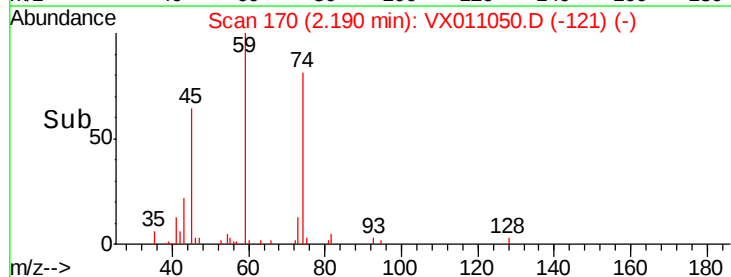
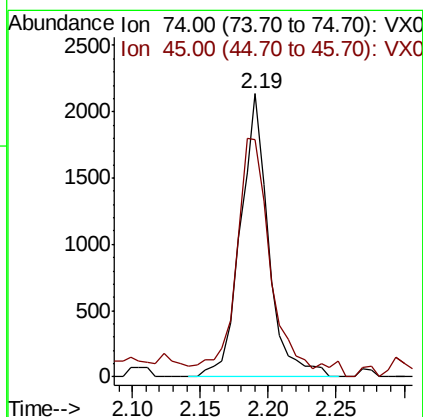
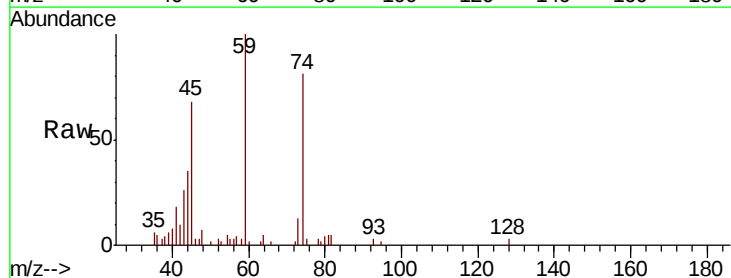
Tot Ion:101 Resp: 7950
 Ion Ratio Lower Upper
 101 100
 103 72.7 52.6 78.8



#8

Diethyl Ether
 Concen: 2.666 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Tgt Ion: 74 Resp: 3069
 Ion Ratio Lower Upper
 74 100
 45 107.0 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.608 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampled :

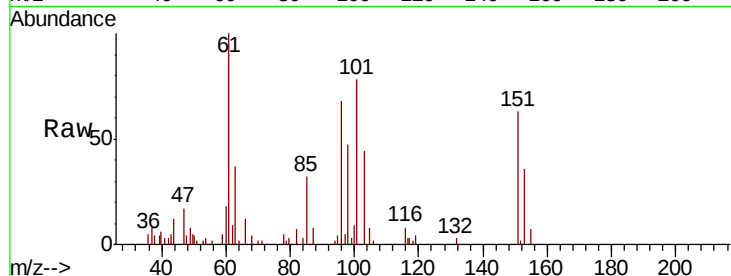
Tot Ion:101 Resp: 4977

Ion Ratio Lower Upper

101 100

85 46.1 34.6 52.0

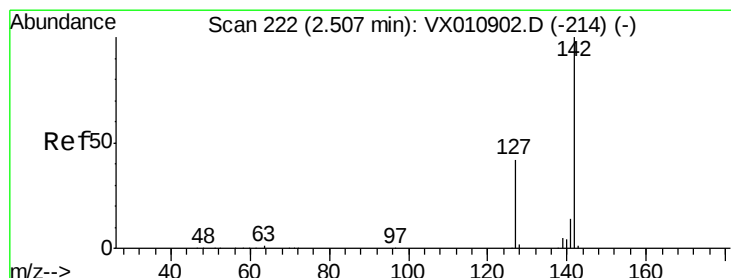
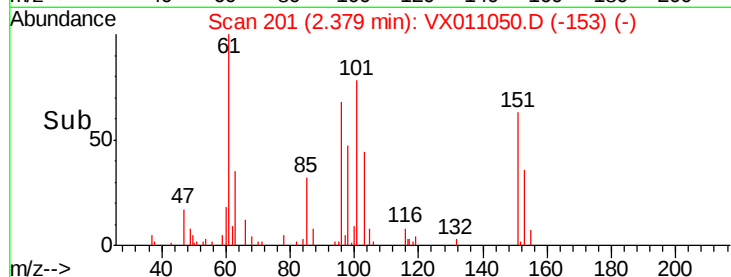
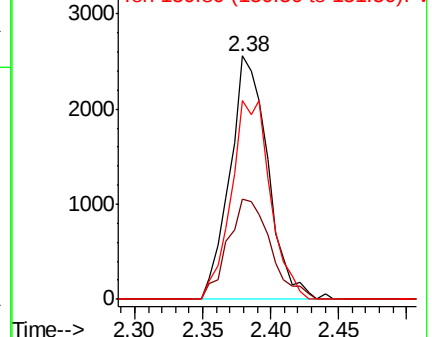
151 84.0 69.6 104.4



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: 1.849 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

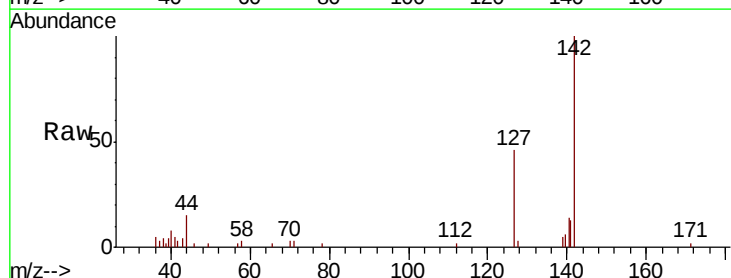
Tgt Ion:142 Resp: 4629

Ion Ratio Lower Upper

142 100

127 44.3 34.2 51.4

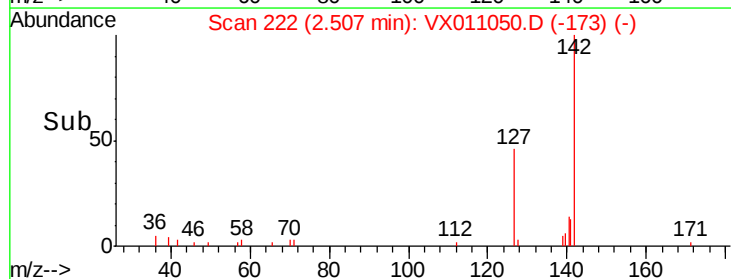
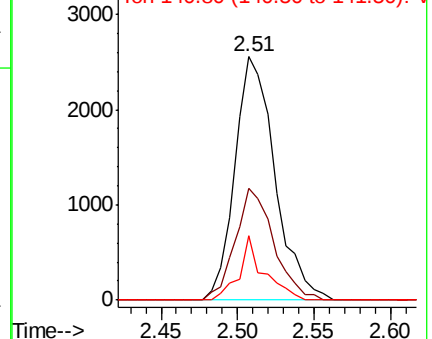
141 16.3 11.7 17.5



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

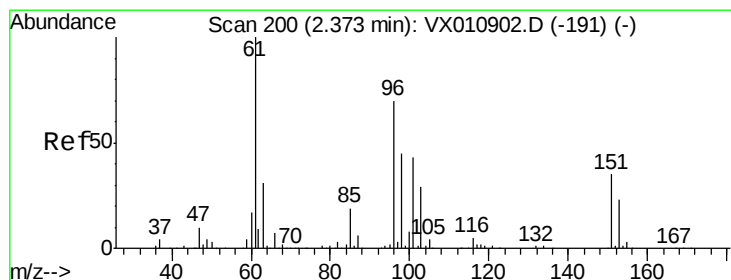
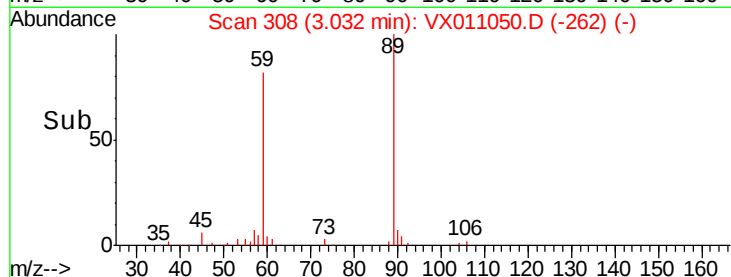
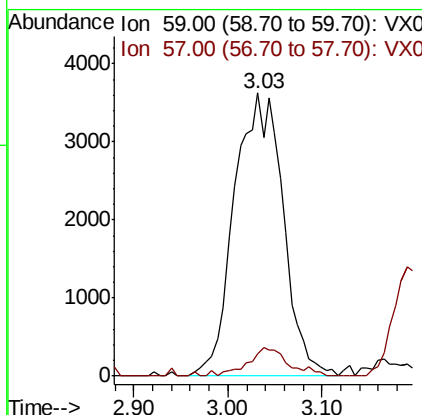
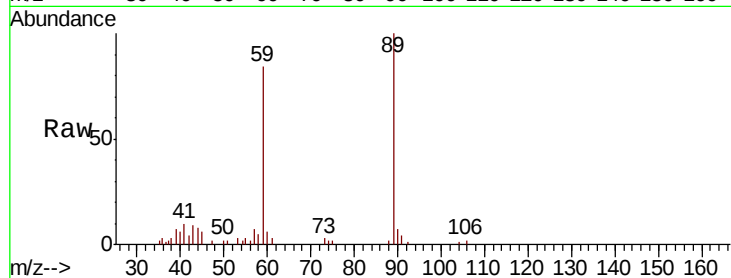




#11
Tert butyl alcohol
Concen: 25.124 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

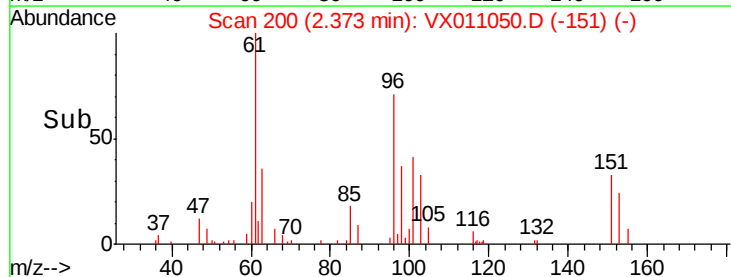
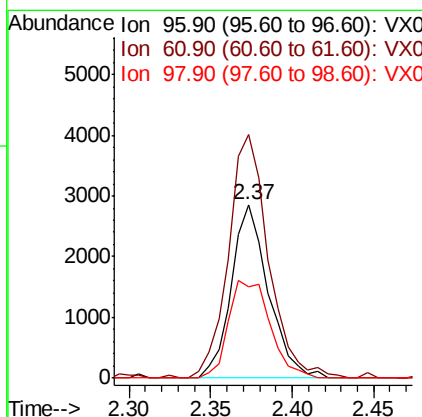
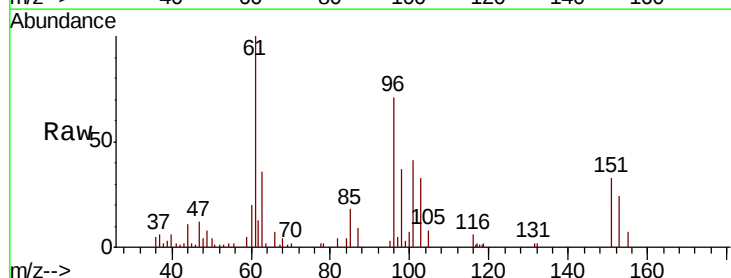
Instrument :
MSVOA_X
ClientSampleId :

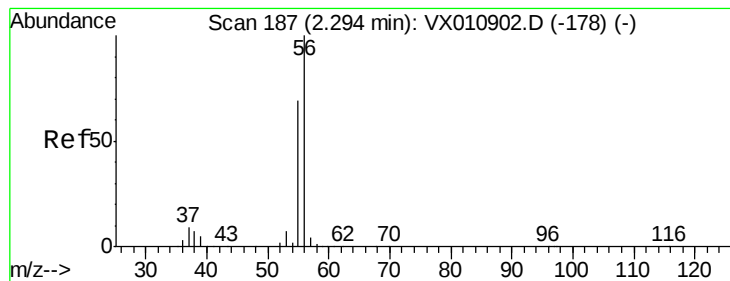
Tot Ion: 59 Resp: 13101
Ion Ratio Lower Upper
59 100
57 8.2 7.9 11.9



#12
1,1-Dichloroethene
Concen: 2.404 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 96 Resp: 4507
Ion Ratio Lower Upper
96 100
61 140.3 115.0 172.4
98 52.5 52.2 78.2





#13

Acrolein

Concen: 12.656 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

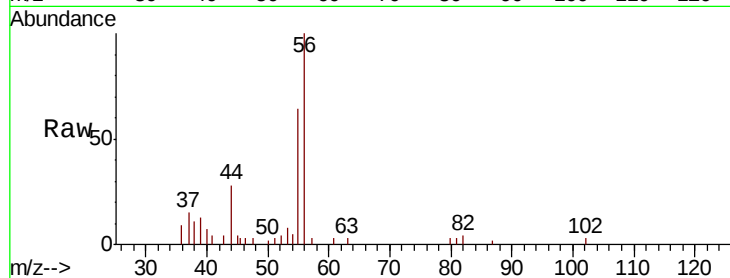
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 3813

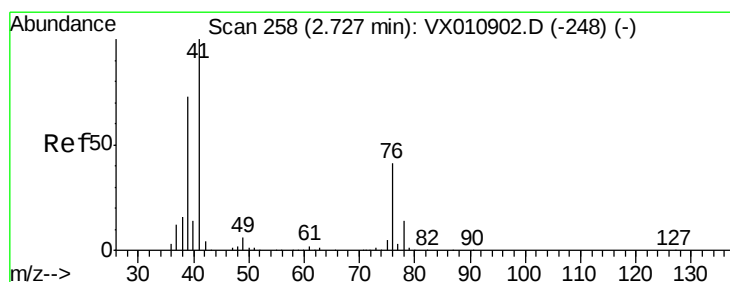
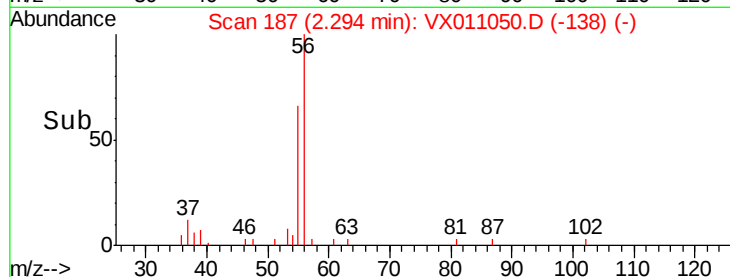
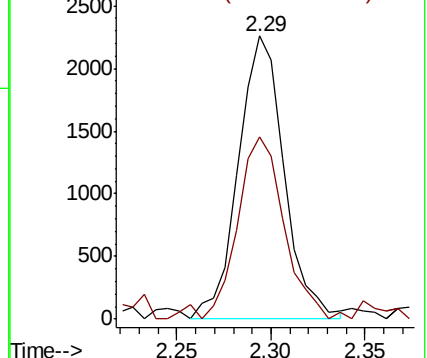
Ion Ratio Lower Upper

56 100

55 66.5 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 2.292 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

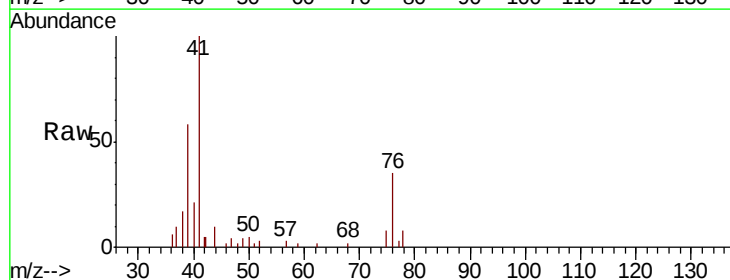
Tgt Ion: 41 Resp: 6240

Ion Ratio Lower Upper

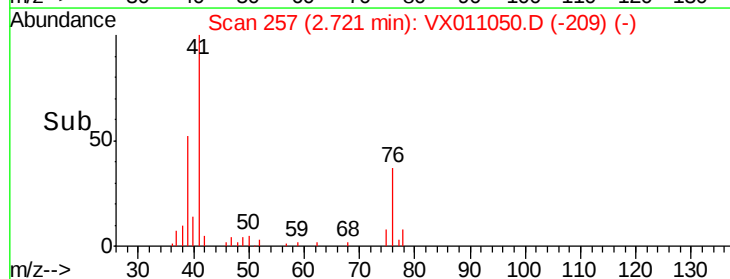
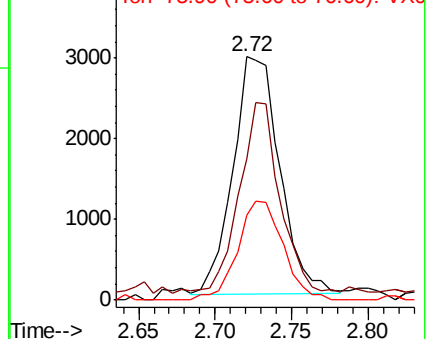
41 100

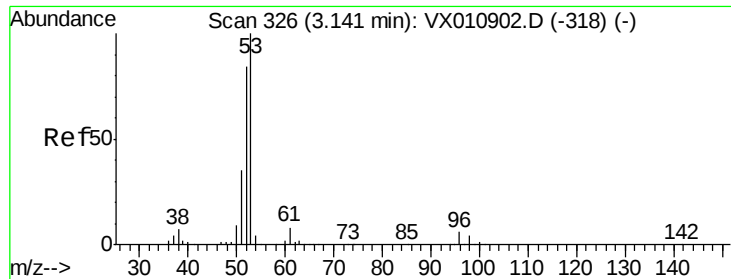
39 68.3 53.6 80.4

76 40.7 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 13.902 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

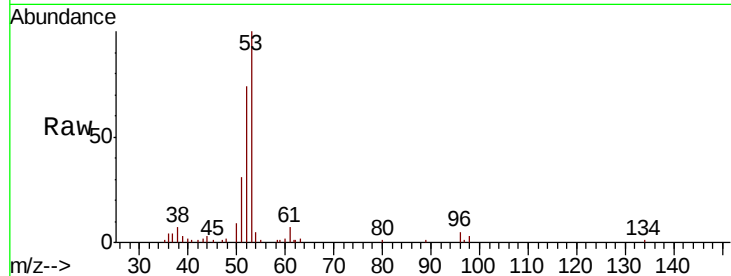
Tot Ion: 53 Resp: 14648

Ion Ratio Lower Upper

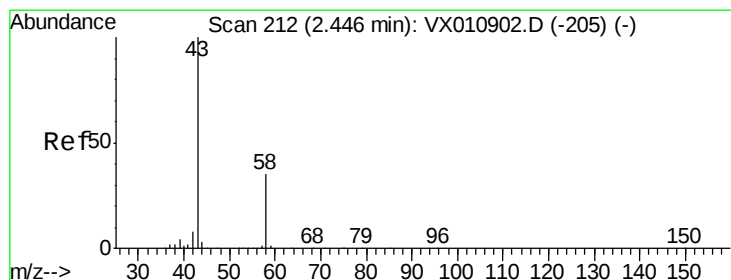
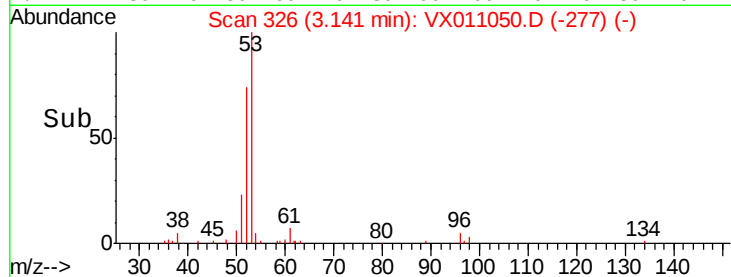
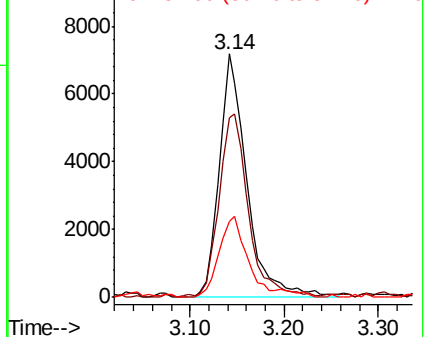
53 100

52 80.4 66.5 99.7

51 33.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 13.492 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011050.D

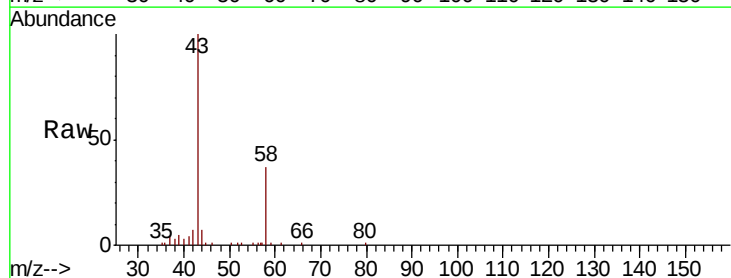
Acq: 23 Jul 2019 11:19

Tgt Ion: 43 Resp: 13644

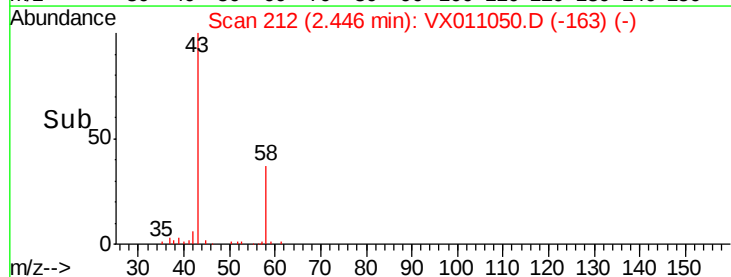
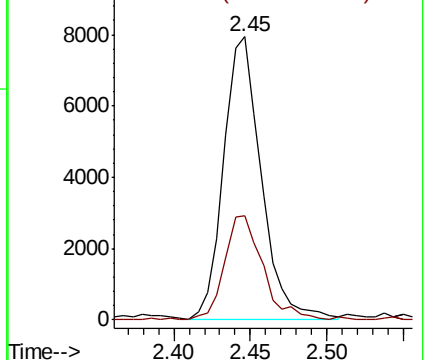
Ion Ratio Lower Upper

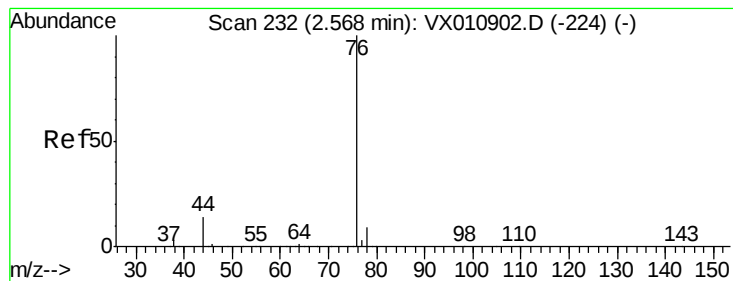
43 100

58 37.0 27.7 41.5



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





#17

Carbon Disulfide

Concen: 1.988 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

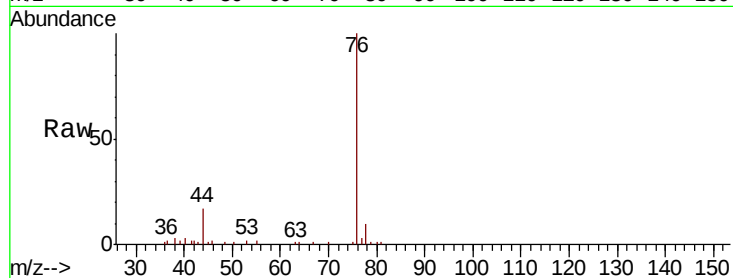
ClientSampleId :

Tot Ion: 76 Resp: 9559

Ion Ratio Lower Upper

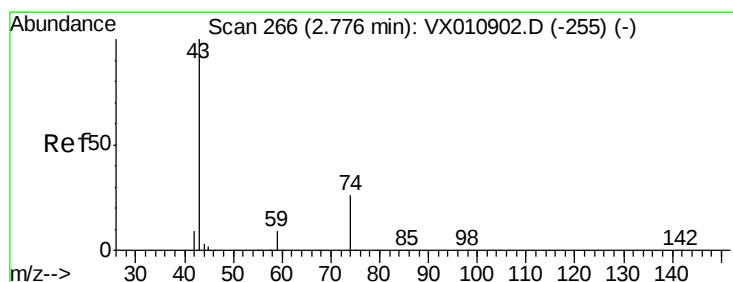
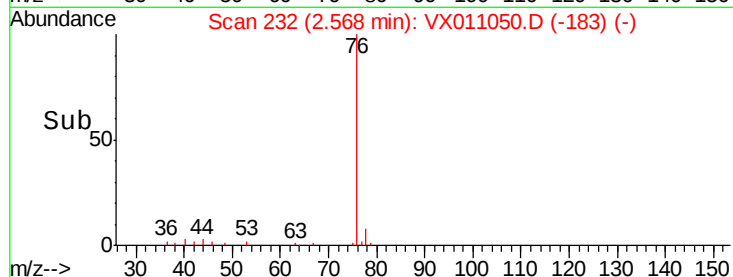
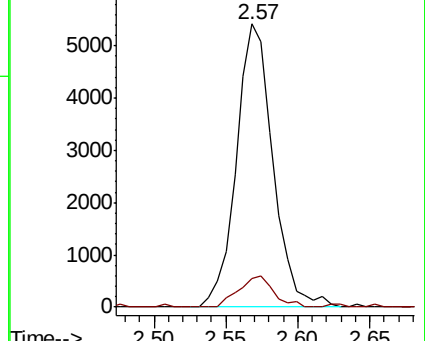
76 100

78 10.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.836 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX011050.D

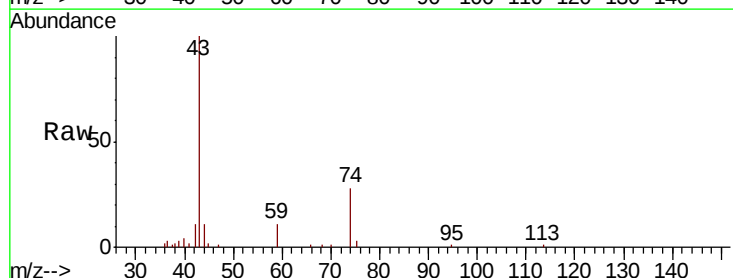
Acq: 23 Jul 2019 11:19

Tgt Ion: 43 Resp: 8834

Ion Ratio Lower Upper

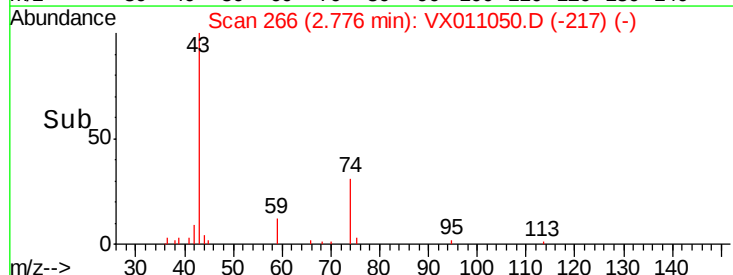
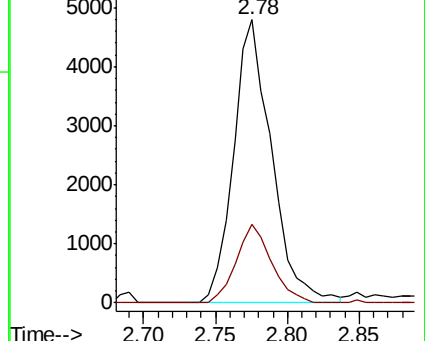
43 100

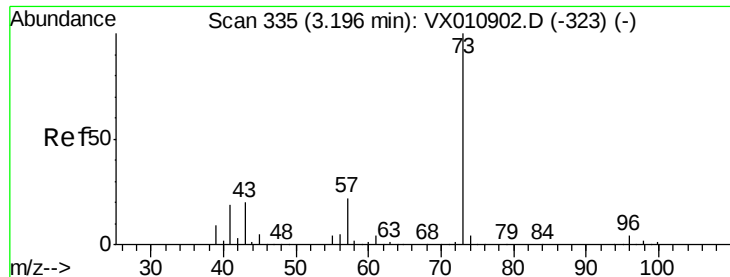
74 25.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

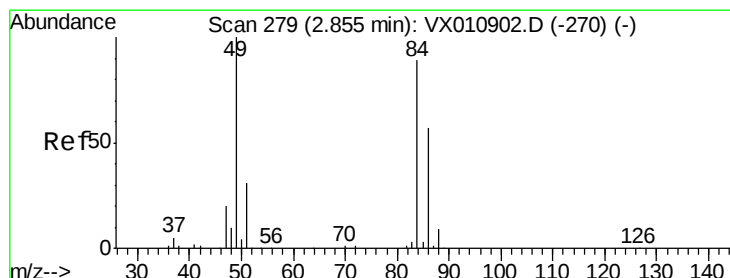
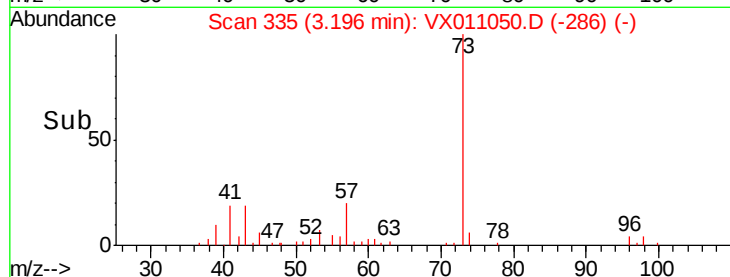
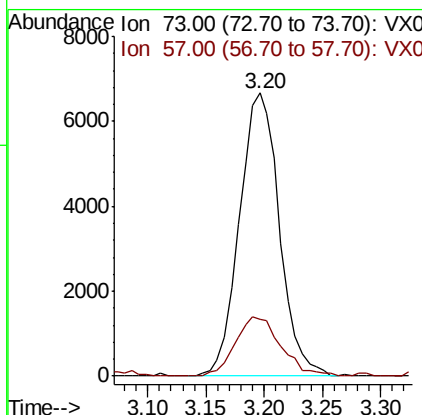
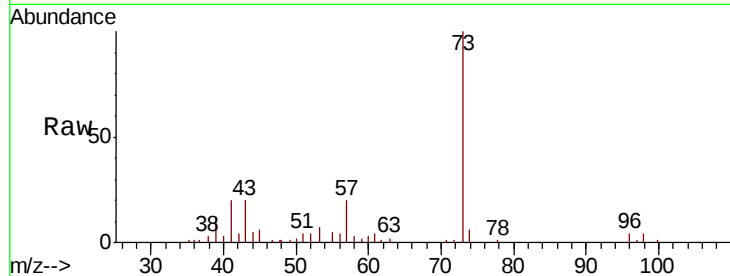




#19
Methyl tert-butyl Ether
Concen: 2.641 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

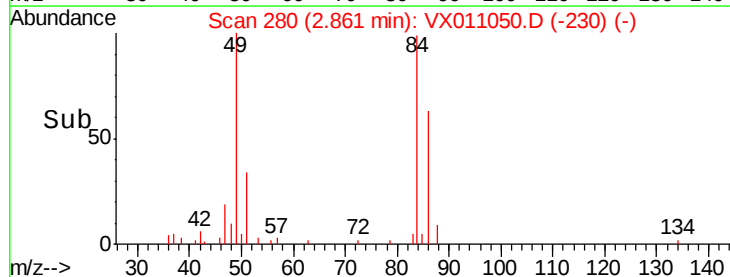
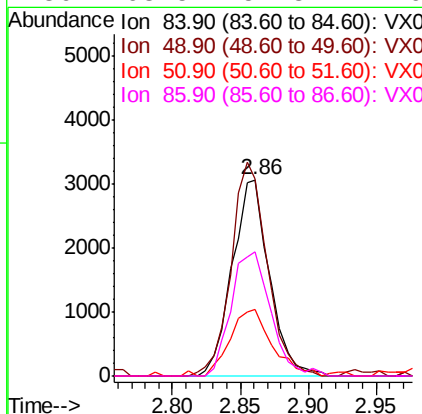
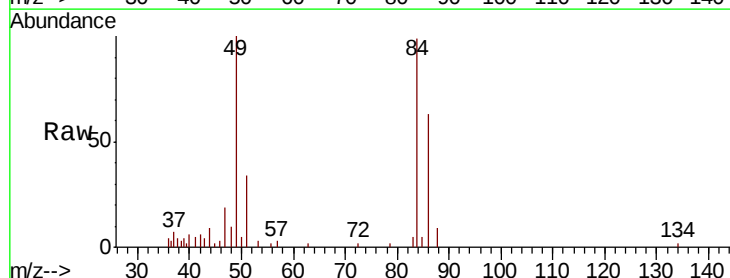
Instrument :
MSVOA_X
ClientSampleId :

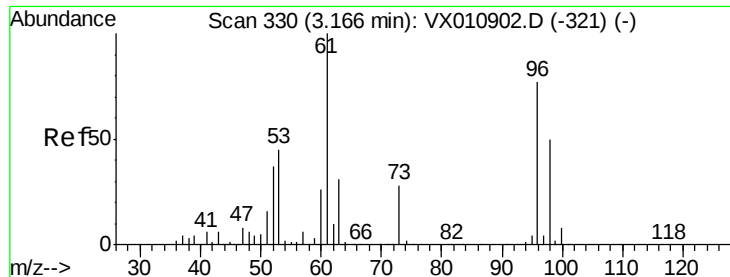
Tot Ion: 73 Resp: 15938
Ion Ratio Lower Upper
73 100
57 20.2 17.3 25.9



#20
Methylene Chloride
Concen: 2.735 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 84 Resp: 5862
Ion Ratio Lower Upper
84 100
49 100.7 89.9 134.9
51 32.3 27.8 41.6
86 63.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 2.382 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

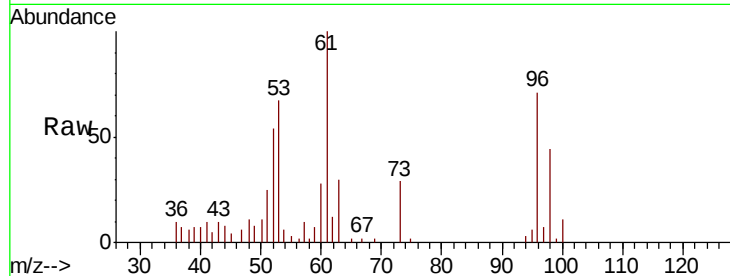
Tot Ion: 96 Resp: 4738

Ion Ratio Lower Upper

96 100

61 140.0 104.2 156.2

98 61.7 52.2 78.4

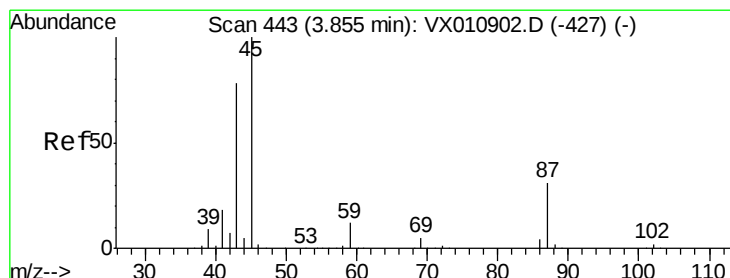
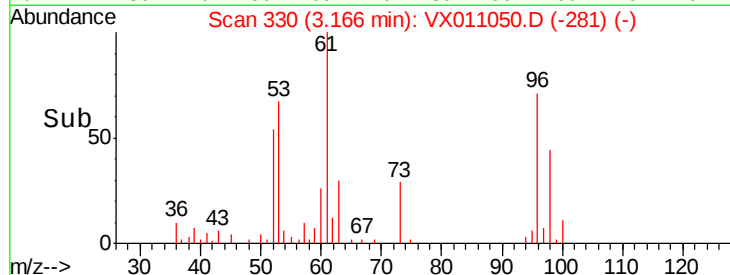
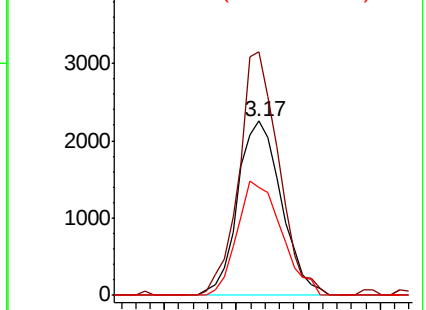


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 2.576 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Tgt Ion: 45 Resp: 14797

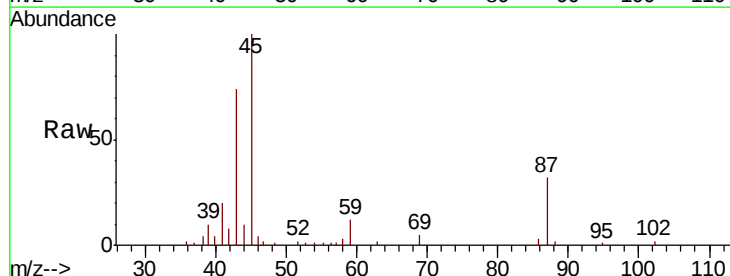
Ion Ratio Lower Upper

45 100

43 71.0 62.3 93.5

87 32.1 25.0 37.4

59 12.6 9.9 14.9



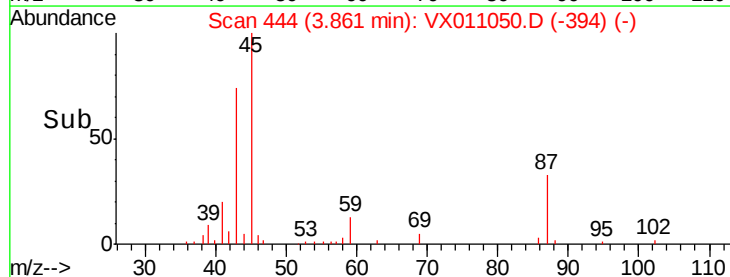
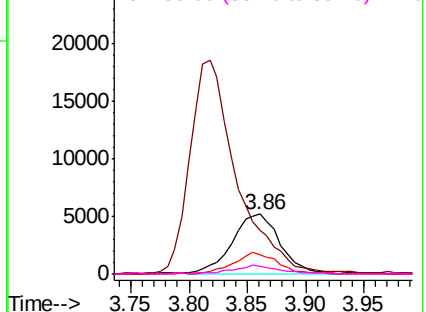
Abundance

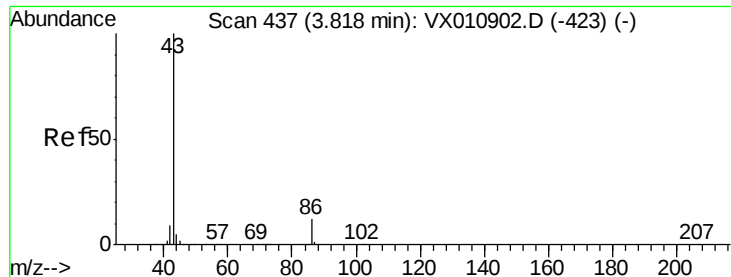
Ion 45.00 (44.70 to 45.70): VX0

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: 10.668 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

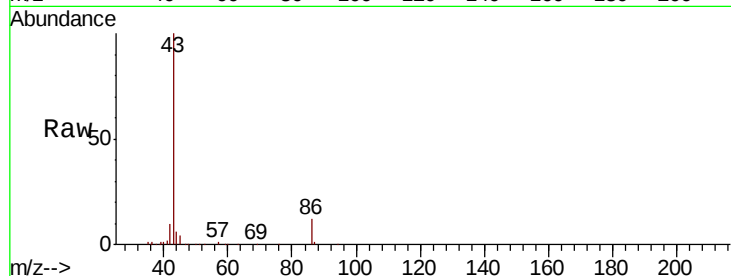
ClientSampleId :

Tot Ion: 43 Resp: 51910

Ion Ratio Lower Upper

43 100

86 11.8 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

20000

15000

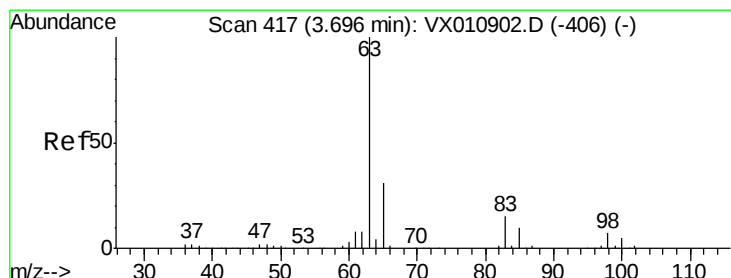
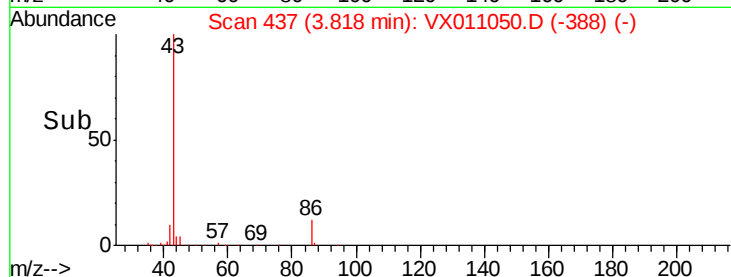
10000

5000

0

Time-->

3.70 3.80 3.90



#24

1,1-Dichloroethane

Concen: 2.691 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

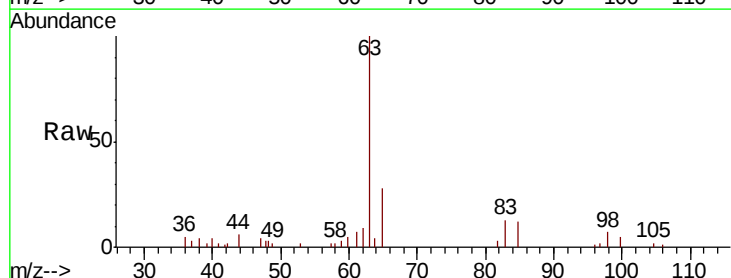
Tgt Ion: 63 Resp: 8975

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 5.1 2.4 7.2



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

5000

4000

3000

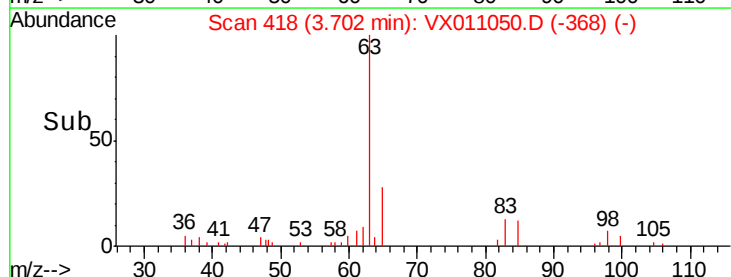
2000

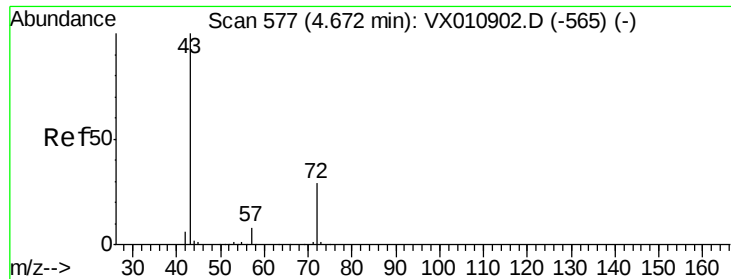
1000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 13.258 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

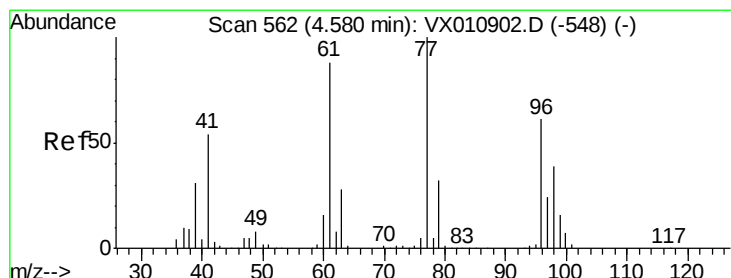
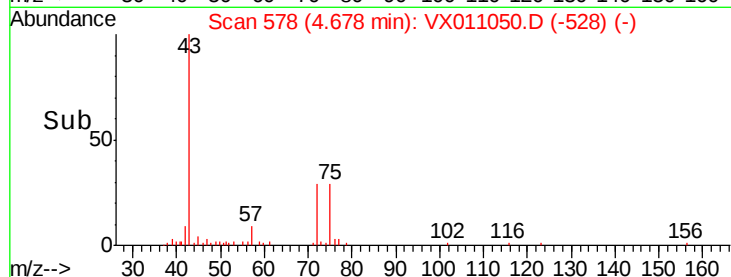
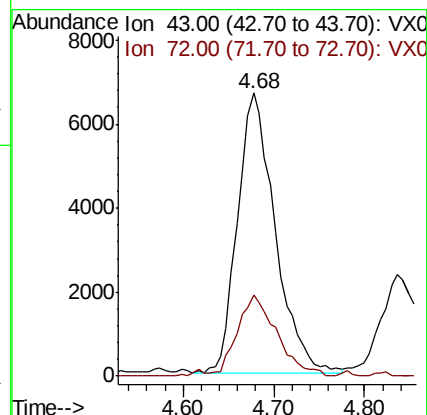
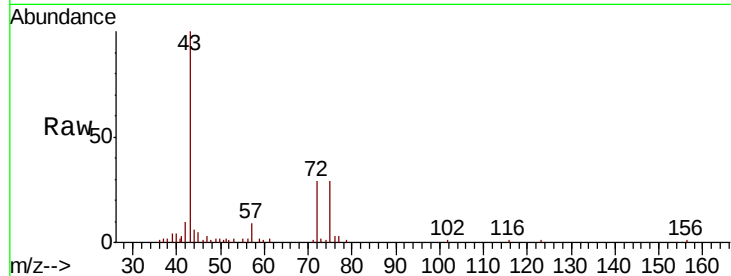
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 19246

Ion Ratio Lower Upper

43 100

72 27.6 23.0 34.6



#26

2,2-Dichloropropane

Concen: 2.512 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX011050.D

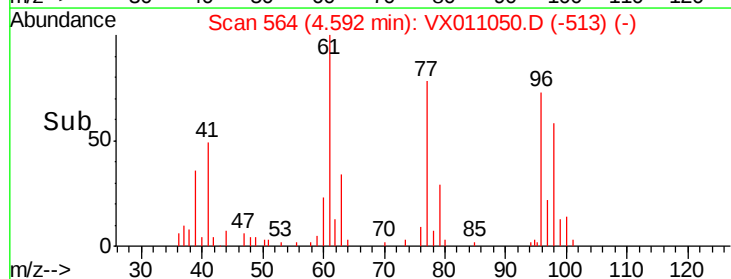
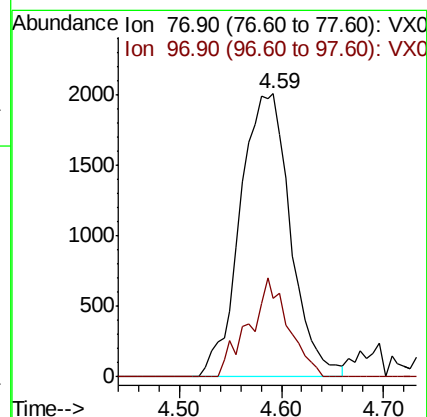
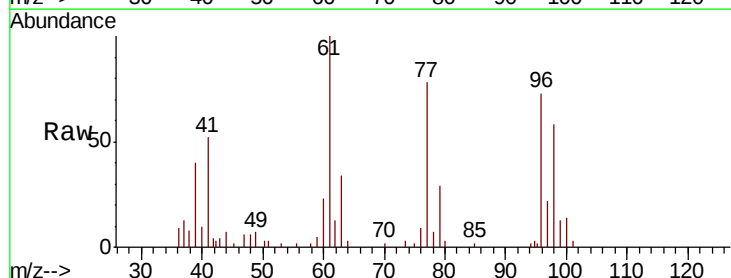
Acq: 23 Jul 2019 11:19

Tgt Ion: 77 Resp: 6879

Ion Ratio Lower Upper

77 100

97 27.6 12.6 37.6



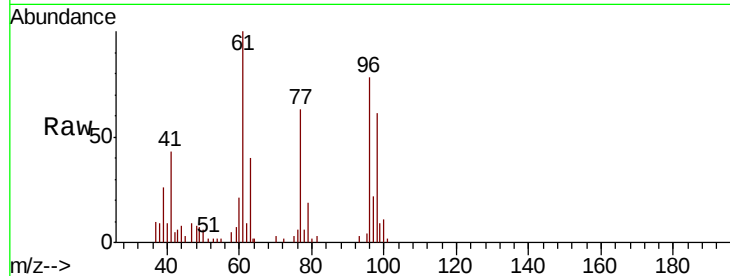


#27

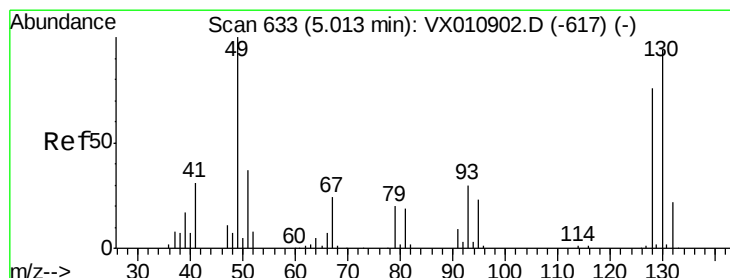
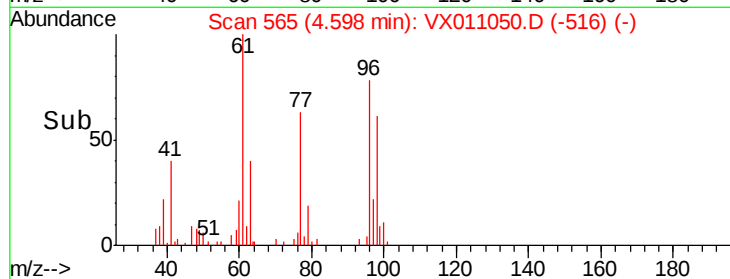
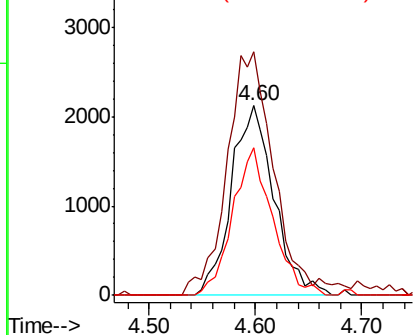
cis-1,2-Dichloroethene
Concen: 2.586 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 5954
Ion Ratio Lower Upper
96 100
61 143.0 0.0 269.0
98 73.1 0.0 131.4



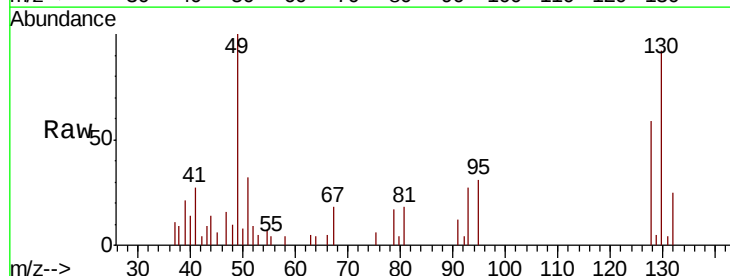
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



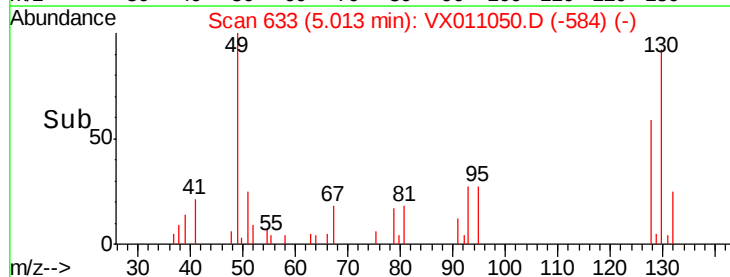
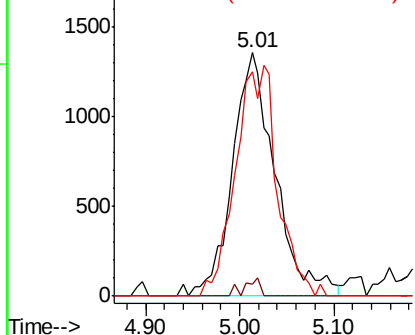
#28

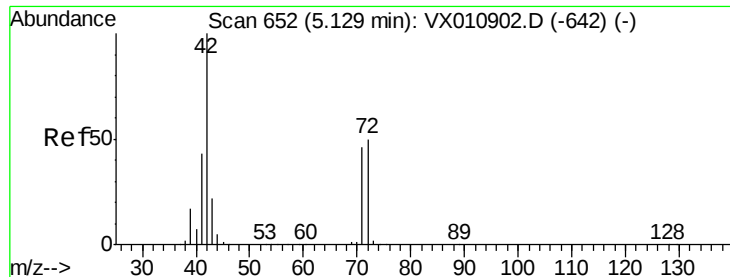
Bromochloromethane
Concen: 2.726 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 49 Resp: 4284
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.2
130 93.4 76.9 115.3



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





#29

Tetrahydrofuran

Concen: 13.358 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampled :

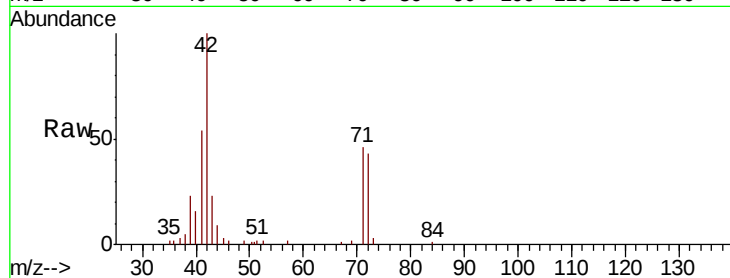
Tot Ion: 42 Resp: 12283

Ion Ratio Lower Upper

42 100

72 49.3 39.8 59.8

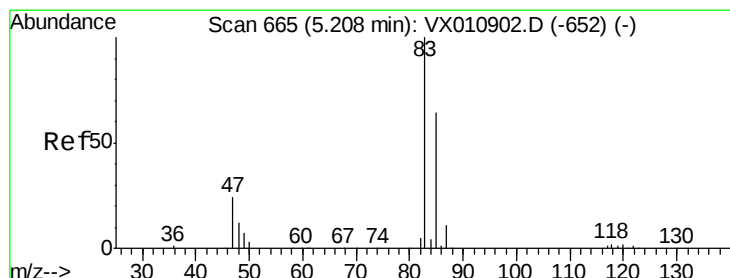
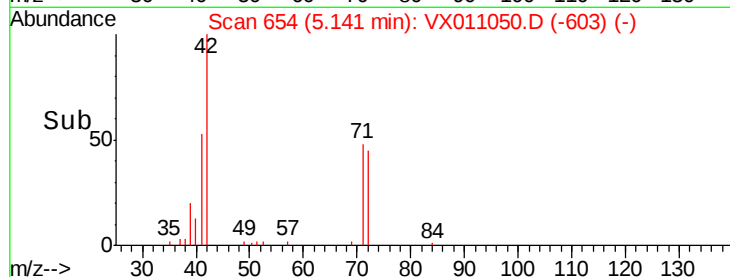
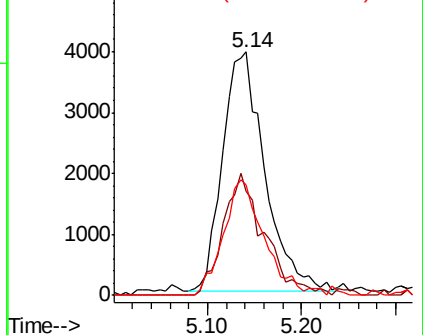
71 45.7 37.0 55.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 2.745 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX011050.D

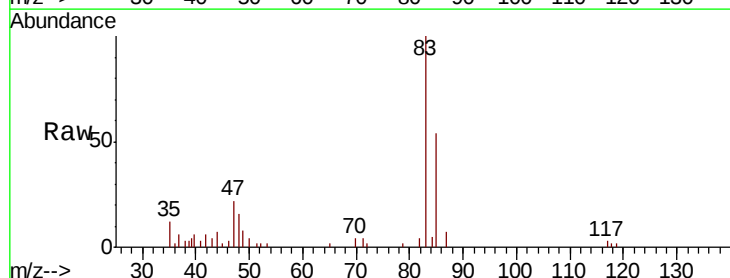
Acq: 23 Jul 2019 11:19

Tgt Ion: 83 Resp: 9895

Ion Ratio Lower Upper

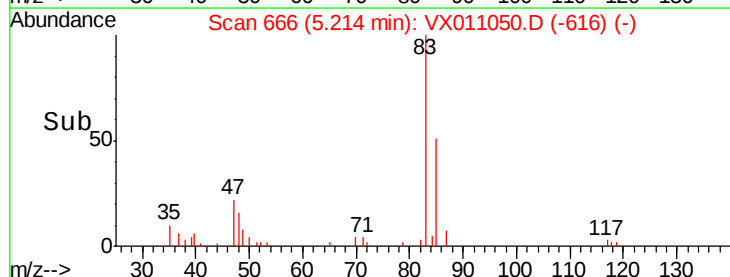
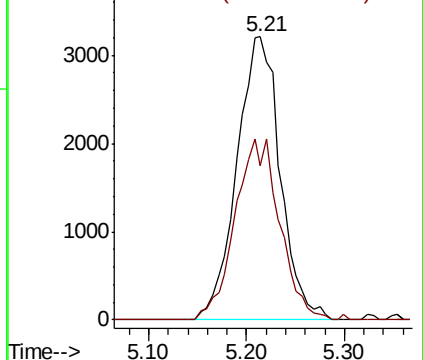
83 100

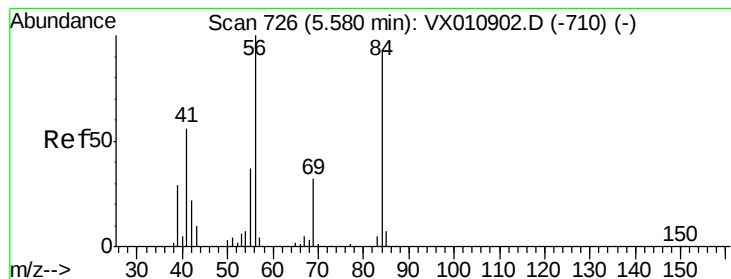
85 54.4 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 2.353 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

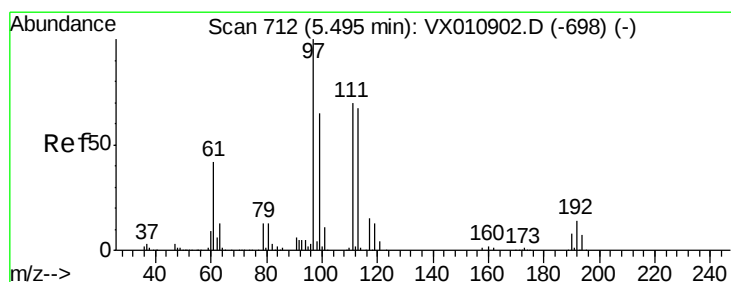
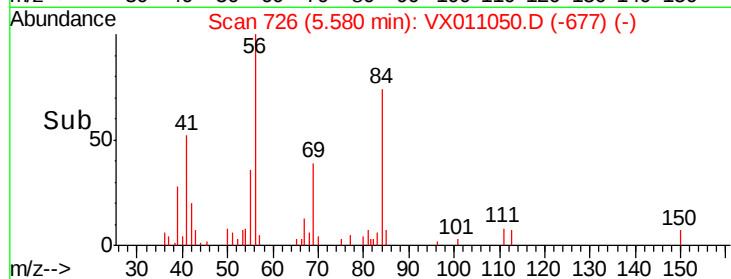
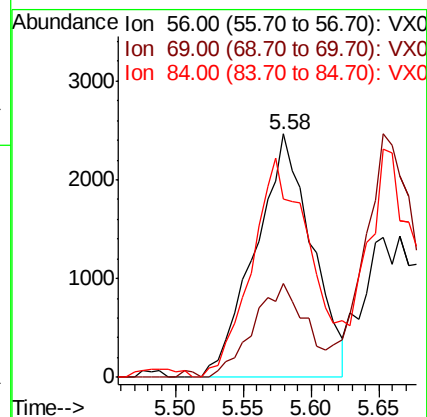
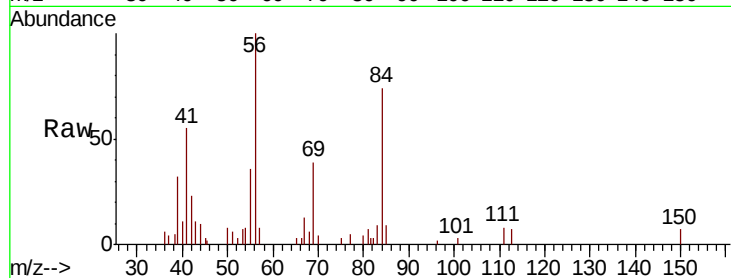
Tot Ion: 56 Resp: 7154

Ion Ratio Lower Upper

56 100

69 36.2 25.8 38.8

84 73.6 73.8 110.6#



#32

1,1,1-Trichloroethane

Concen: 2.491 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

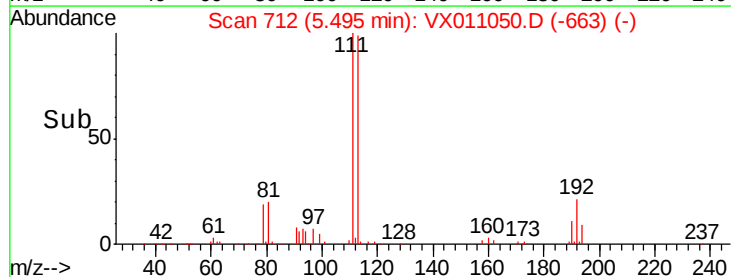
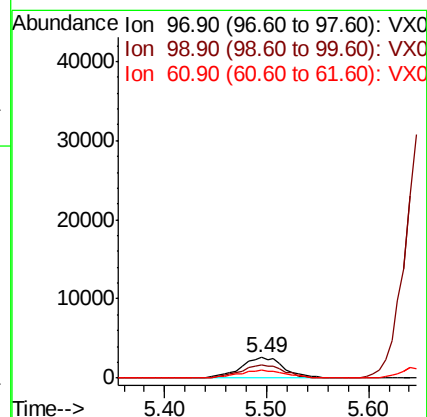
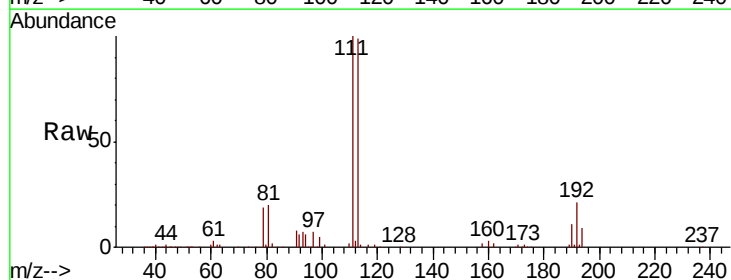
Tgt Ion: 97 Resp: 7768

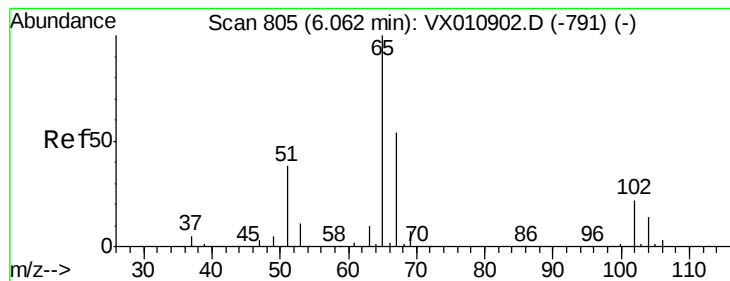
Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.0

61 41.4 33.0 49.6





#33

1,2-Dichloroethane-d4

Concen: 50.138 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

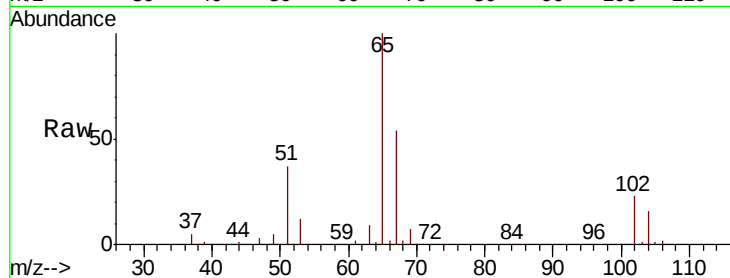
ClientSampleId :

Tot Ion: 65 Resp: 112261

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

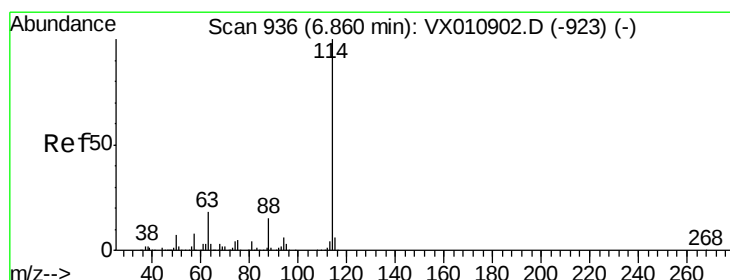
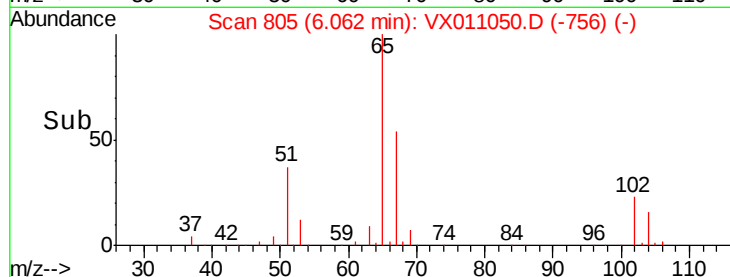
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

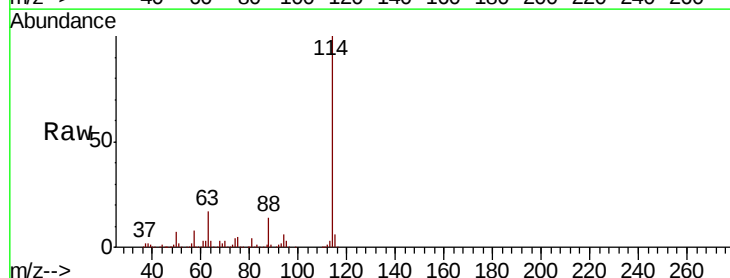
Tgt Ion: 114 Resp: 321091

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.6

88 14.1 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

150000

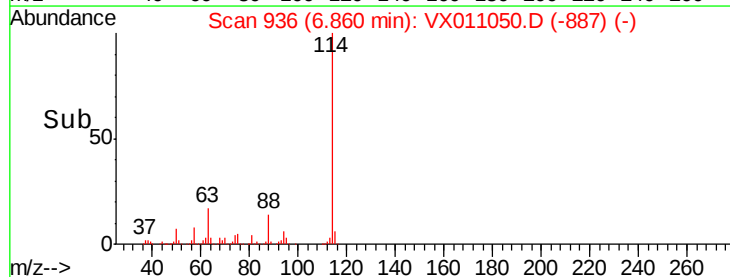
100000

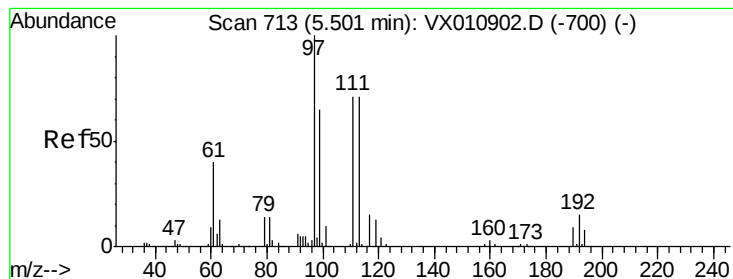
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.998 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

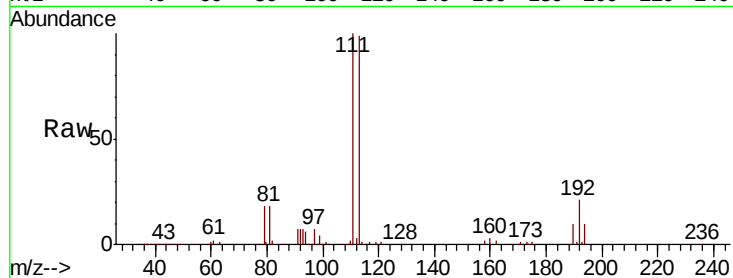
Tot Ion:113 Resp: 99860

Ion Ratio Lower Upper

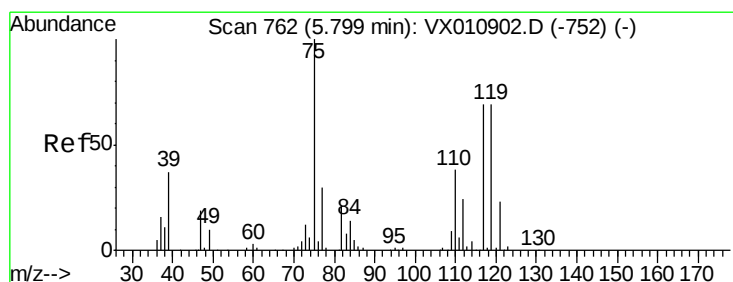
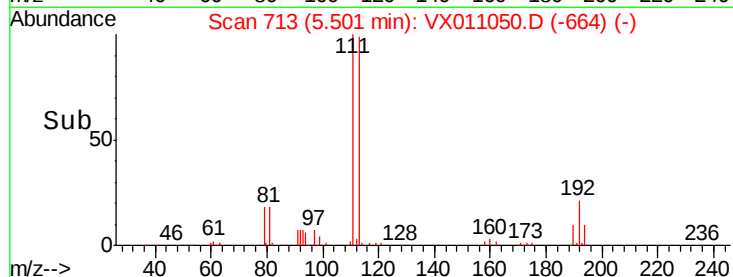
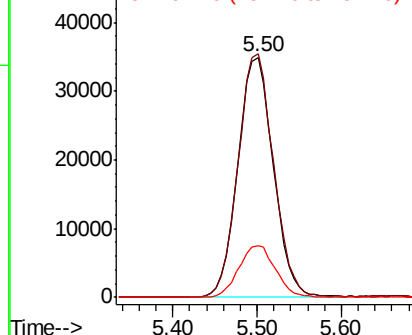
113 100

111 101.2 82.3 123.5

192 22.0 17.4 26.2



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: 2.535 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

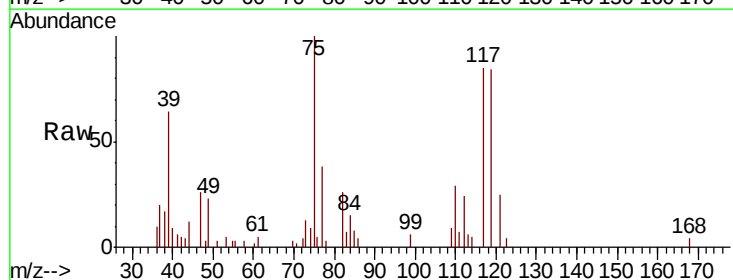
Tgt Ion: 75 Resp: 6687

Ion Ratio Lower Upper

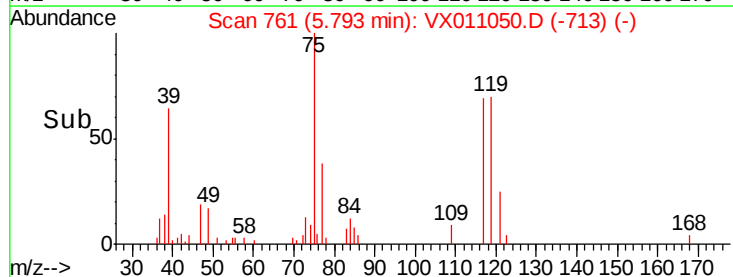
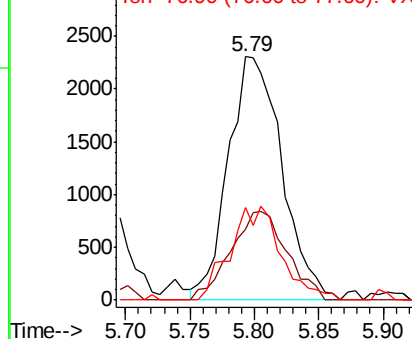
75 100

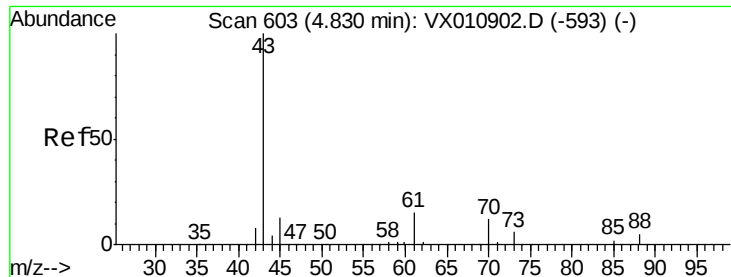
110 37.9 19.9 59.7

77 36.4 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

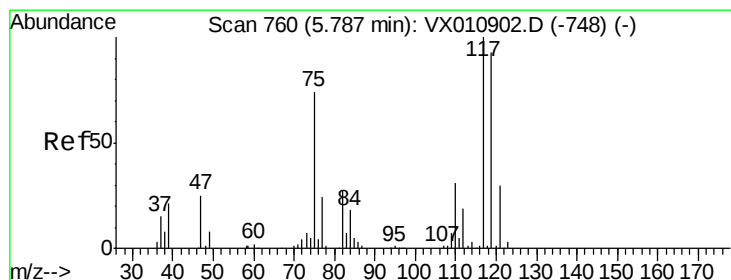
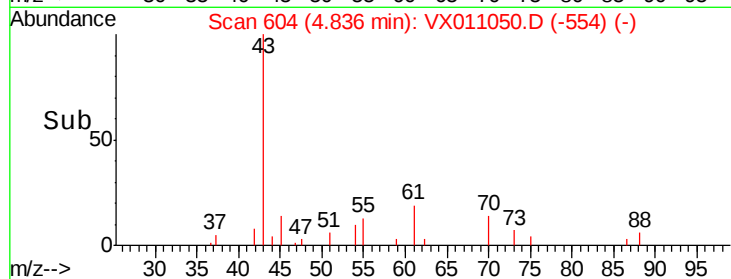
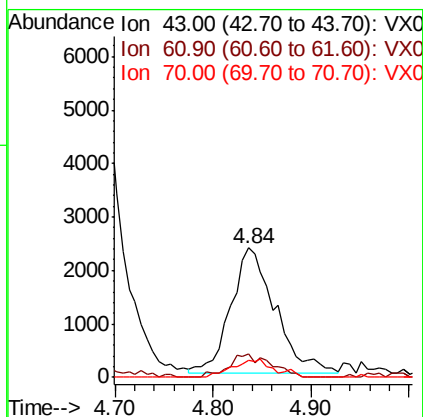
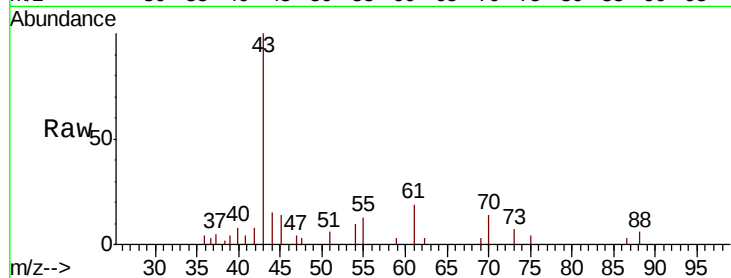




#37
Ethyl Acetate
Concen: 2.734 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

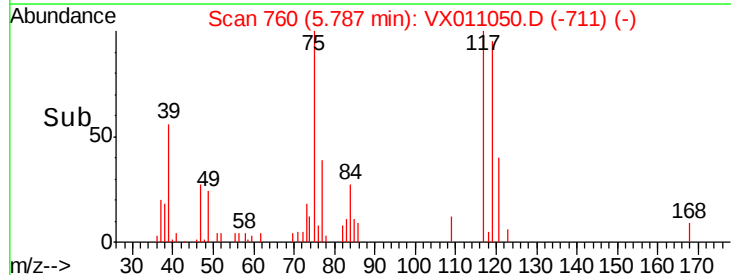
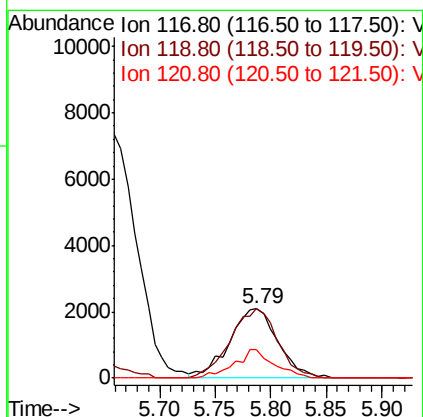
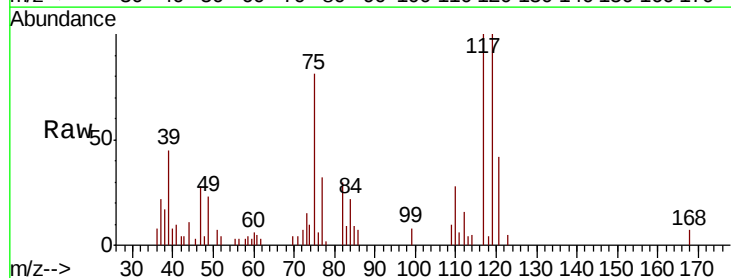
Instrument :
MSVOA_X
ClientSampleId :

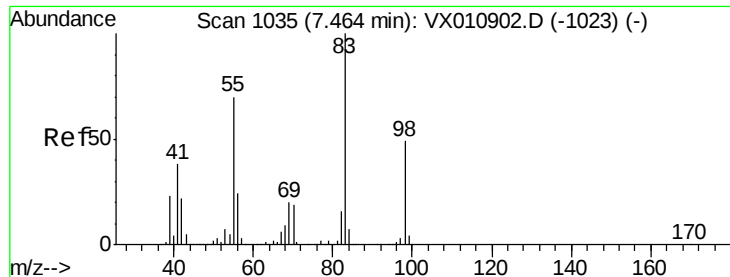
Tot Ion: 43 Resp: 7383
Ion Ratio Lower Upper
43 100
61 17.4 11.6 17.4#
70 13.2 9.1 13.7



#38
Carbon Tetrachloride
Concen: 2.318 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 117 Resp: 6370
Ion Ratio Lower Upper
117 100
119 100.1 74.2 111.2
121 41.7 24.2 36.2#

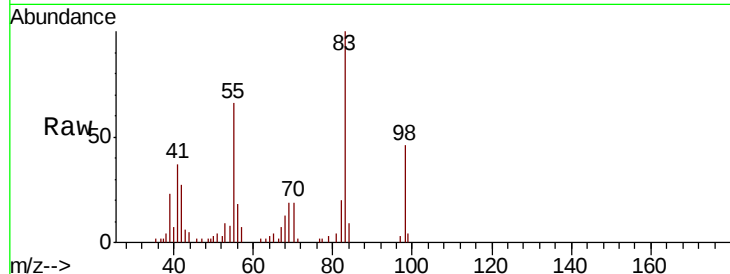




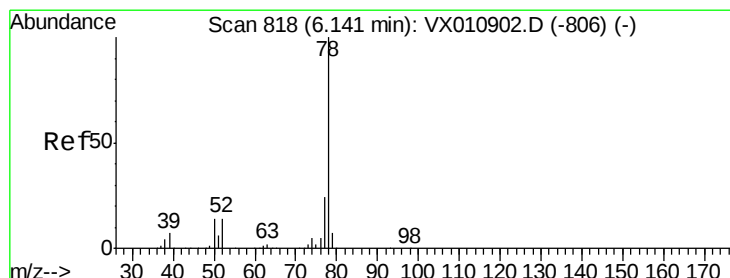
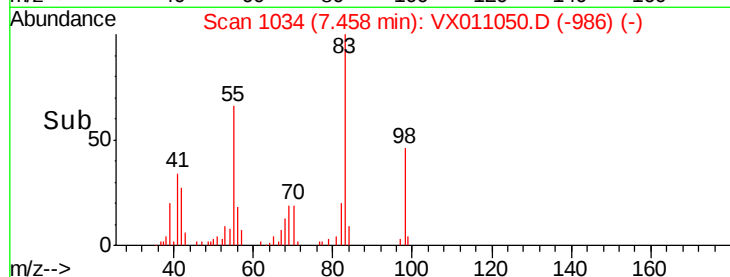
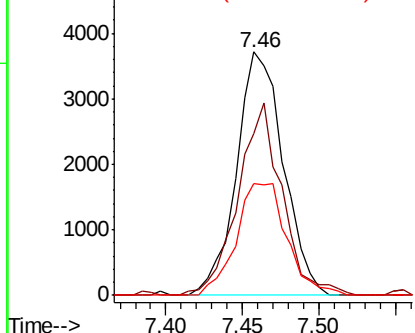
#39
Methvlcvclohexane
Concen: 2.311 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	83	Resp	7905
Ion	Ratio	Lower	Upper
83	100		
55	64.5	56.2	84.4
98	45.8	39.0	58.4

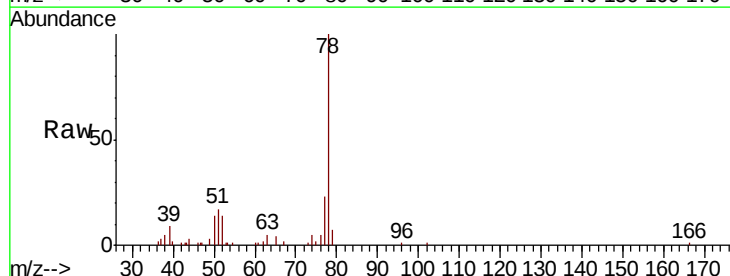


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

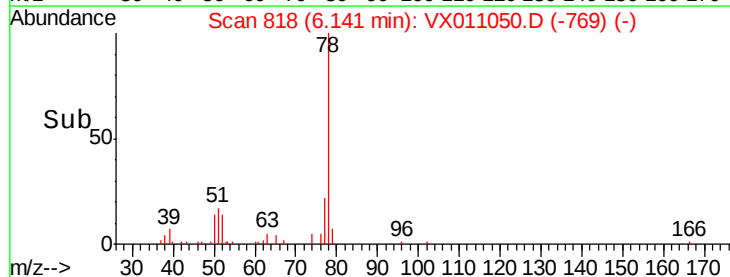
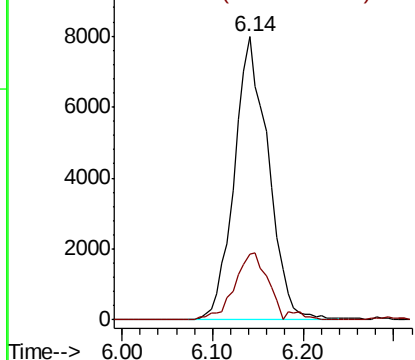


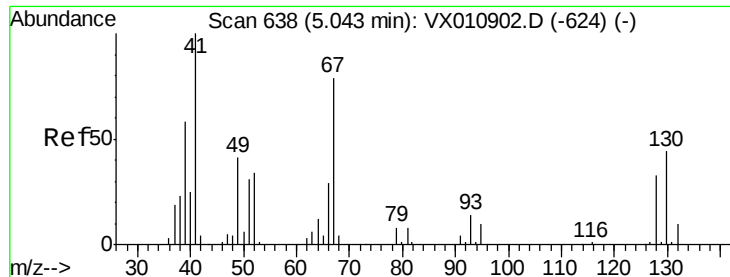
#40
Benzene
Concen: 2.569 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion	78	Resp	20757
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6



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

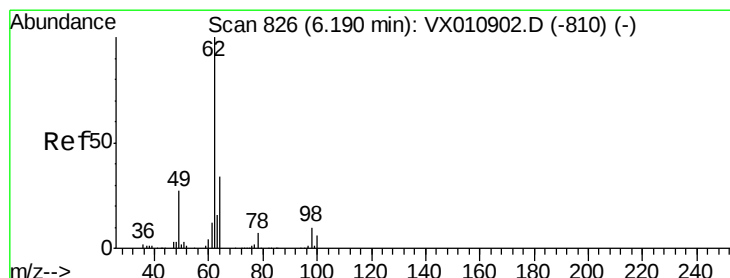
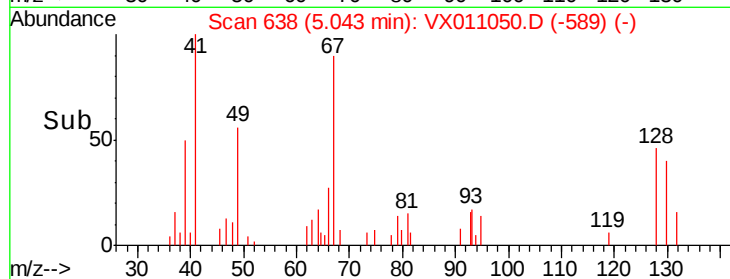
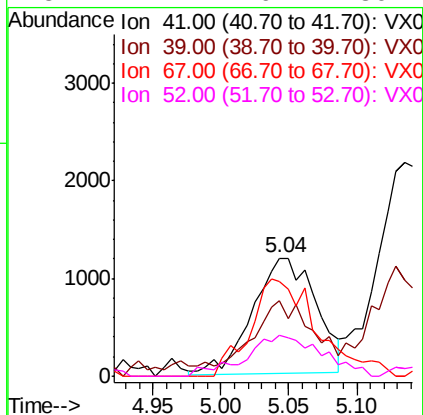
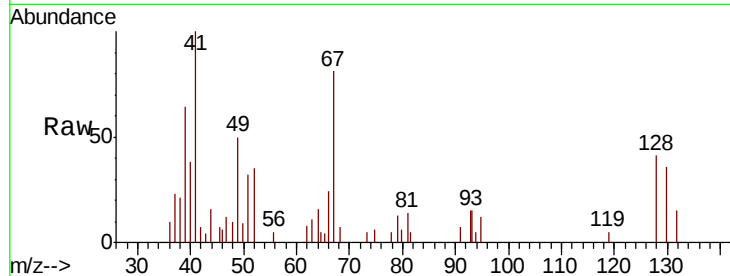




#41
Methacrylonitrile
Concen: 2.512 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

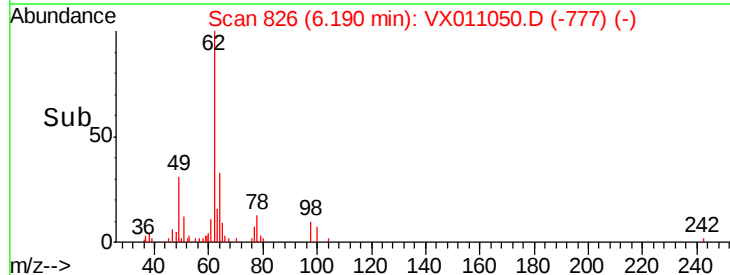
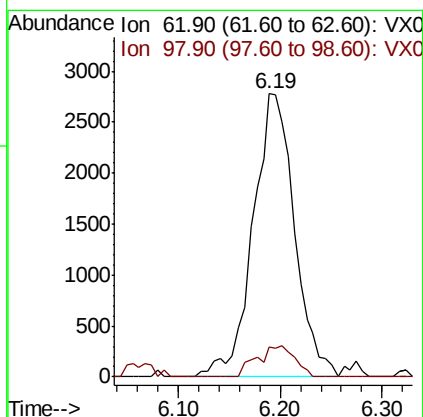
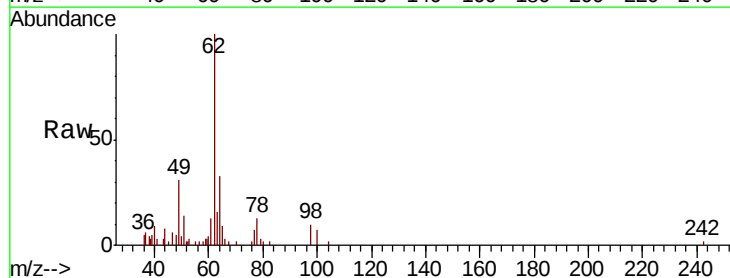
Instrument :
MSVOA_X
ClientSampleId :

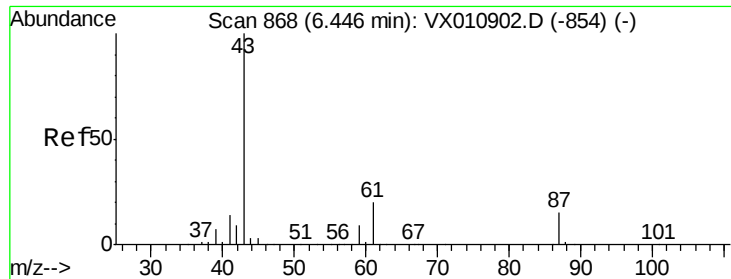
Tot Ion: 41 Resp: 3851
Ion Ratio Lower Upper
41 100
39 48.5 45.4 68.2
67 89.3 65.9 98.9
52 42.7 26.2 39.2#



#42
1,2-Dichloroethane
Concen: 2.792 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 62 Resp: 7844
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.0





#43

Isopropyl Acetate

Concen: 2.566 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

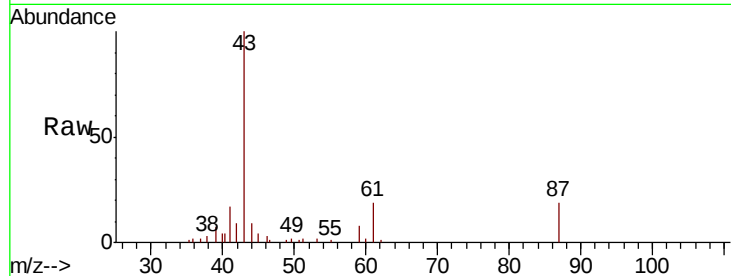
Tot Ion: 43 Resp: 11397

Ion Ratio Lower Upper

43 100

61 21.5 17.1 25.7

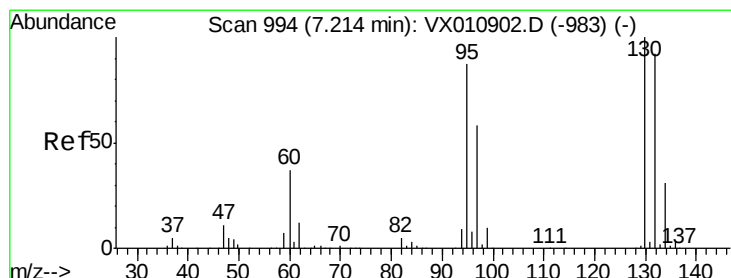
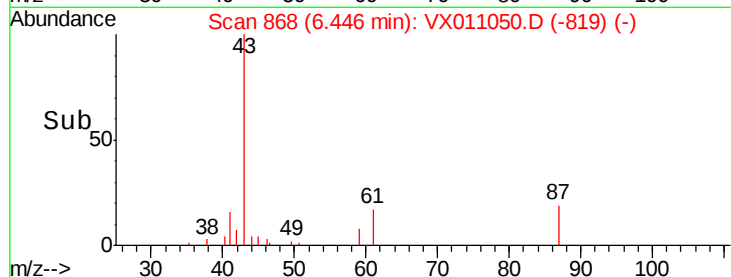
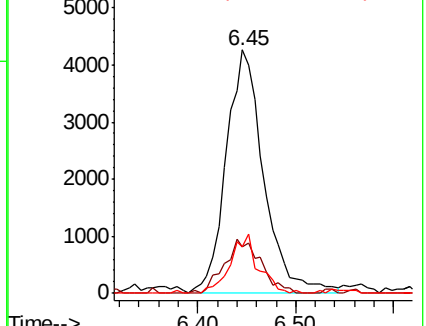
87 18.0 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VX011050.D (-819) (-)

Ion 61.00 (60.70 to 61.70): VX011050.D (-819) (-)

Ion 87.00 (86.70 to 87.70): VX011050.D (-819) (-)



#44

Trichloroethene

Concen: 2.567 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011050.D

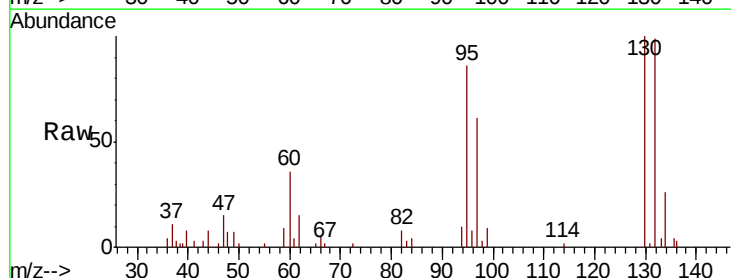
Acq: 23 Jul 2019 11:19

Tgt Ion: 130 Resp: 6138

Ion Ratio Lower Upper

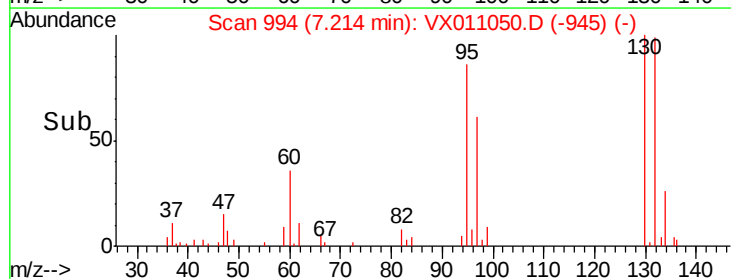
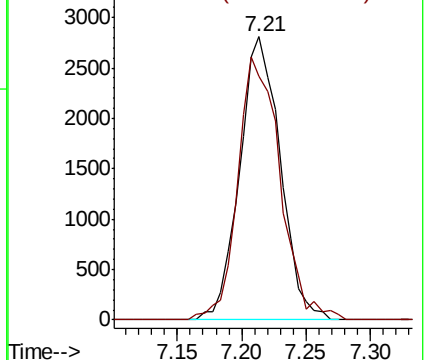
130 100

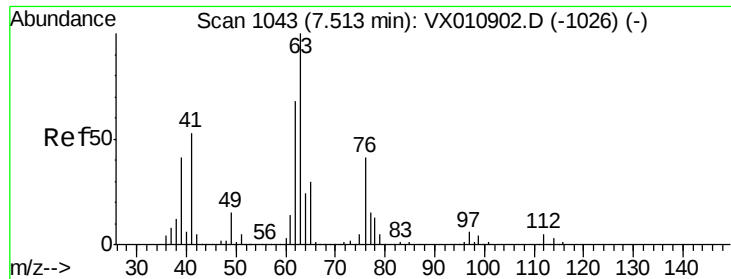
95 86.1 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): VX011050.D (-945) (-)

Ion 94.90 (94.60 to 95.60): VX011050.D (-945) (-)





#45

1,2-Dichloropropane

Concen: 2.507 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

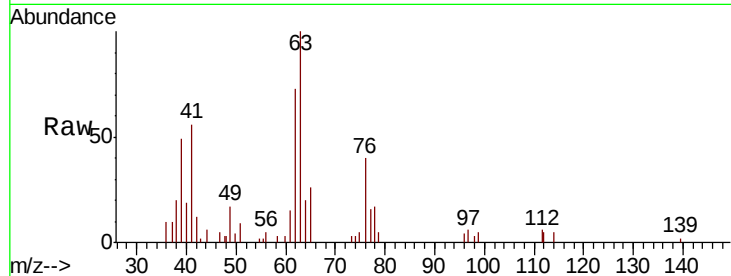
ClientSampleId :

Tot Ion: 63 Resp: 5156

Ion Ratio Lower Upper

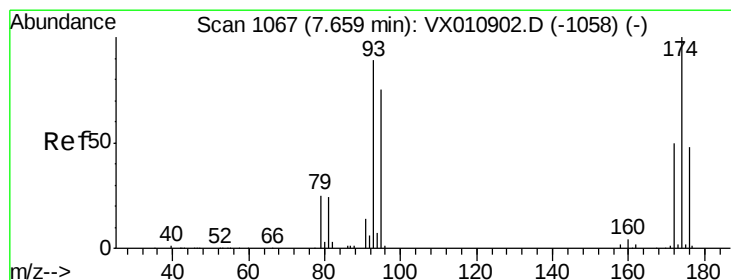
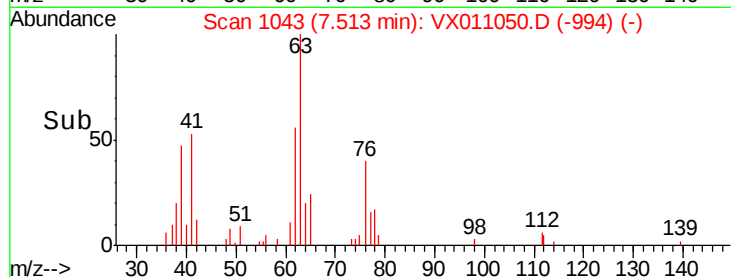
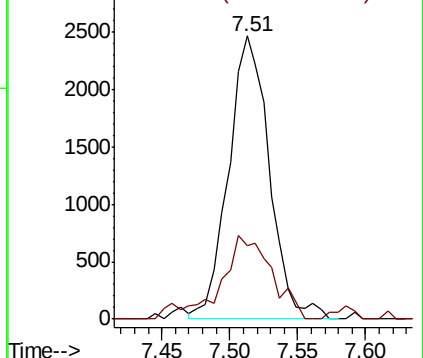
63 100

65 23.2 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.698 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

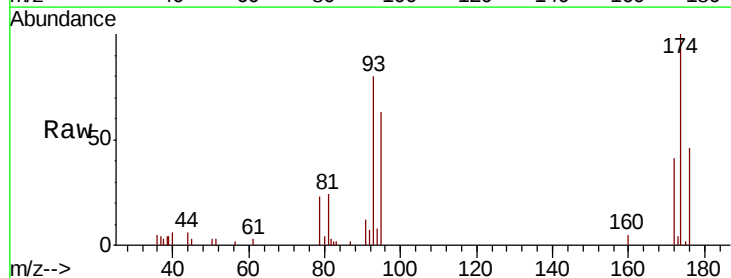
Tgt Ion: 93 Resp: 3965

Ion Ratio Lower Upper

93 100

95 79.3 67.2 100.8

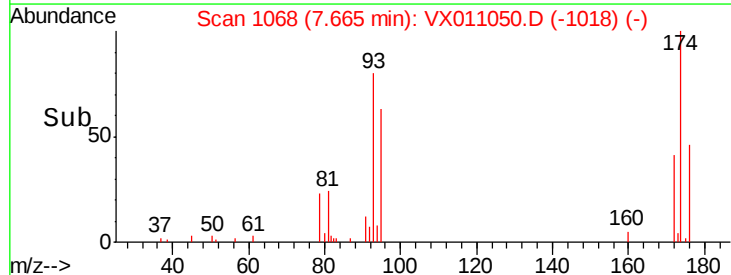
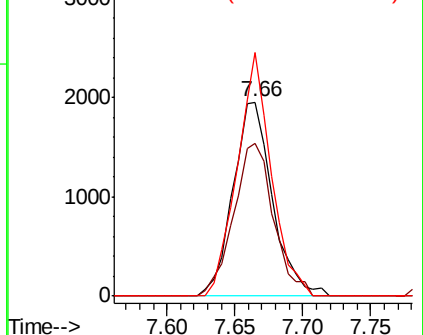
174 108.1 90.6 135.8

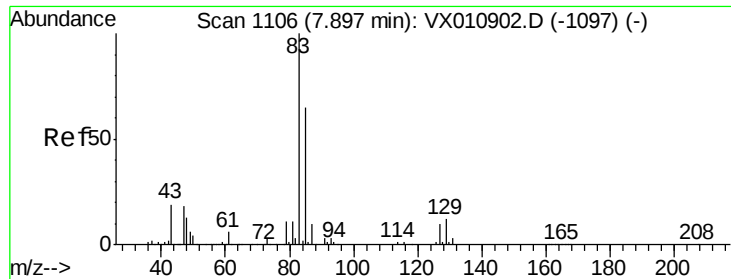


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.539 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

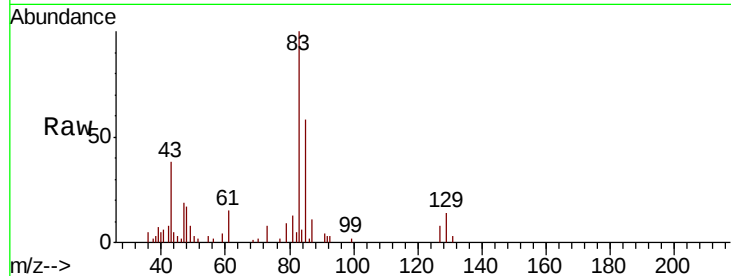
Tot Ion: 83 Resp: 6641

Ion Ratio Lower Upper

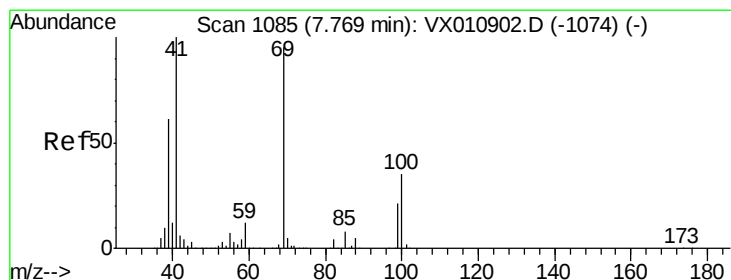
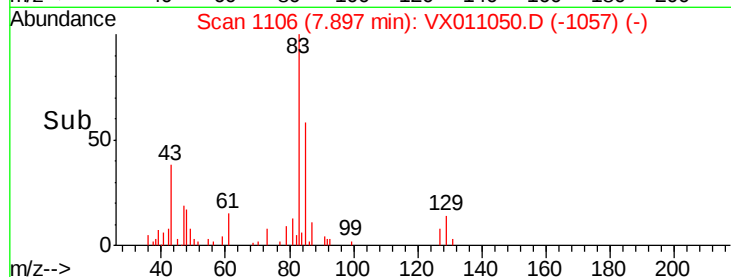
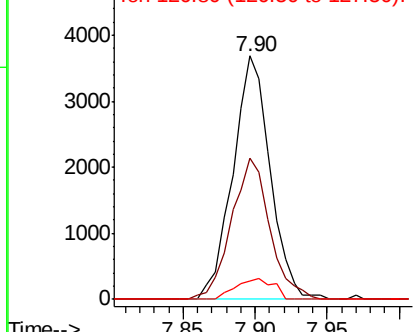
83 100

85 57.7 52.5 78.7

127 7.5 7.8 11.8#



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



#48

Methyl methacrylate

Concen: 2.338 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

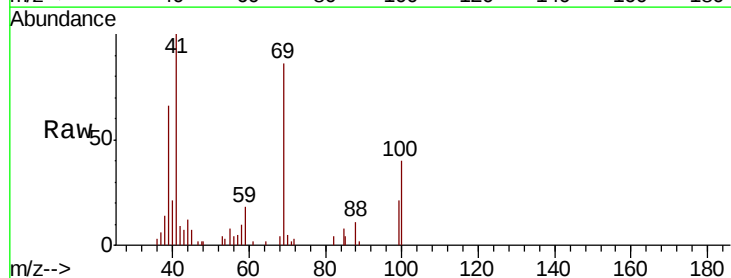
Tgt Ion: 41 Resp: 5057

Ion Ratio Lower Upper

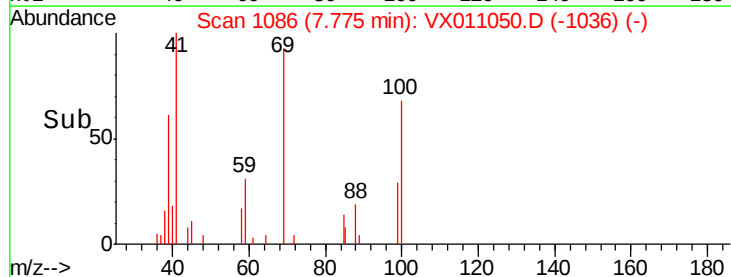
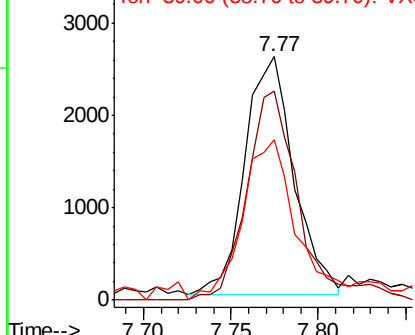
41 100

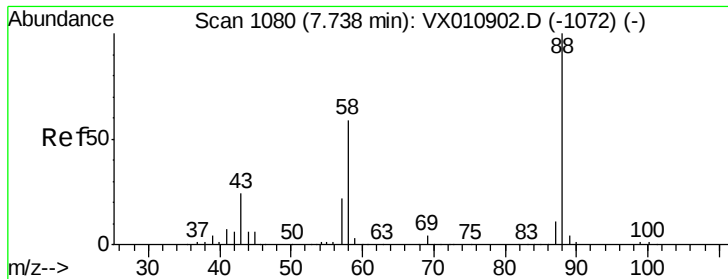
69 93.8 74.4 111.6

39 73.5 48.9 73.3#



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

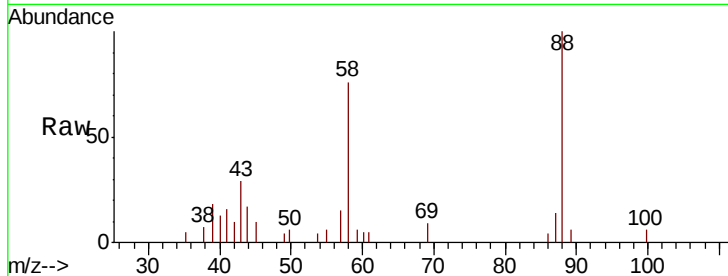




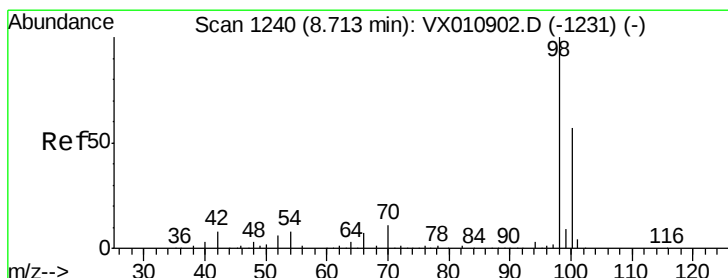
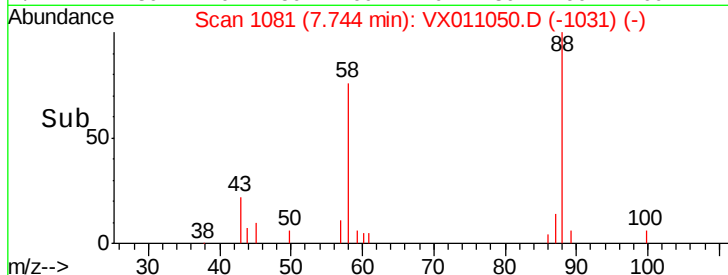
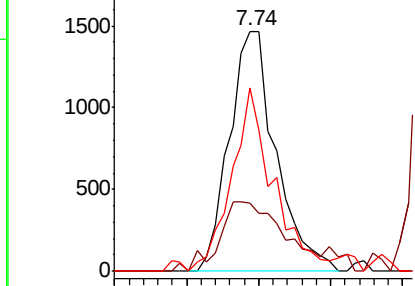
#49
 1,4-Dioxane
 Concen: 54.550 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 3301
 Ion Ratio Lower Upper
 88 100
 43 40.2 22.9 34.3#
 58 68.2 49.8 74.8

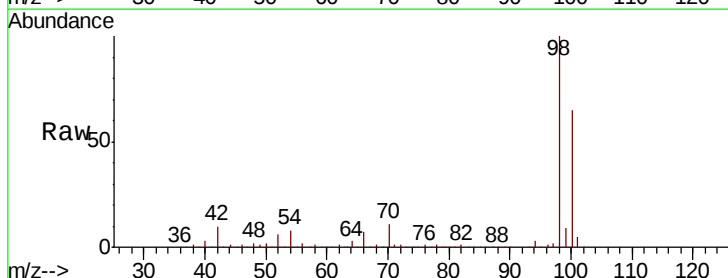


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

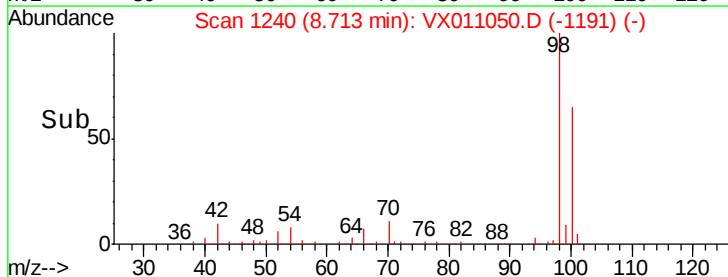
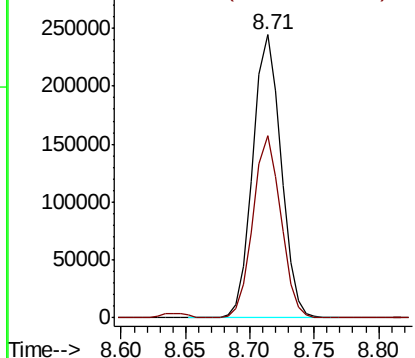


#50
 Toluene-d8
 Concen: 48.432 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Tgt Ion: 98 Resp: 370211
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.6 75.8



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





#51

4-Methyl-2-Pentanone

Concen: 13.049 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

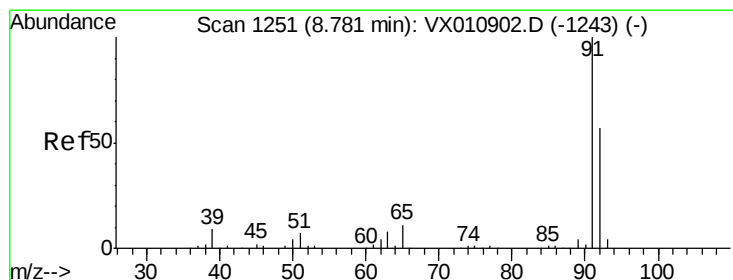
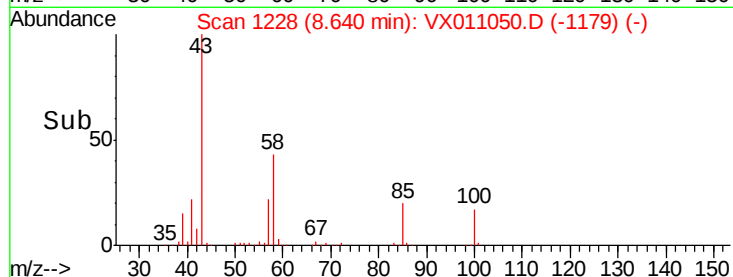
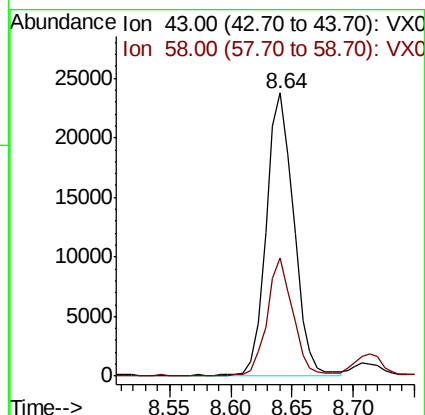
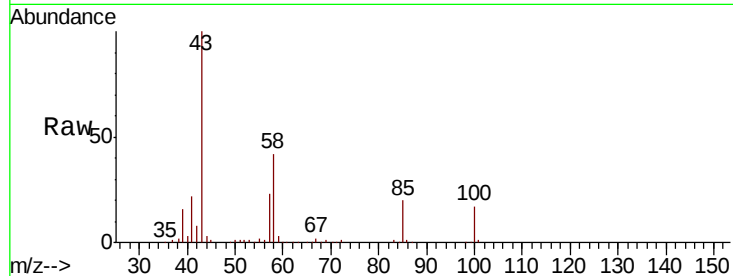
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 37565

Ion Ratio Lower Upper

43 100

58 38.9 32.2 48.4



#52

Toluene

Concen: 2.516 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011050.D

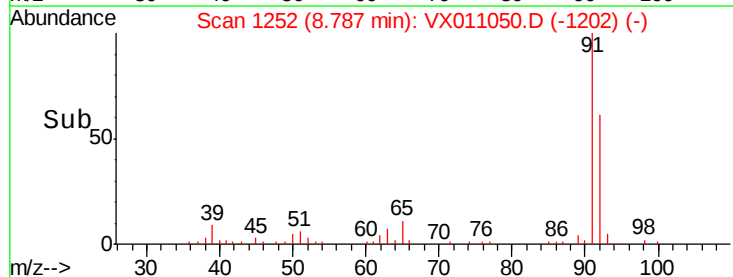
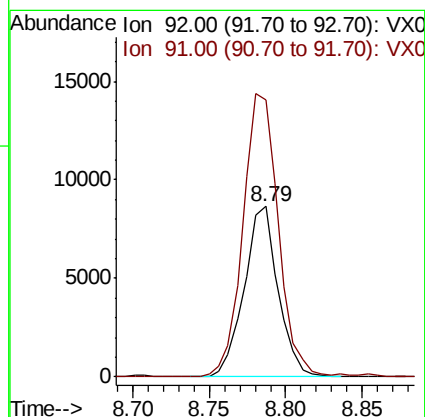
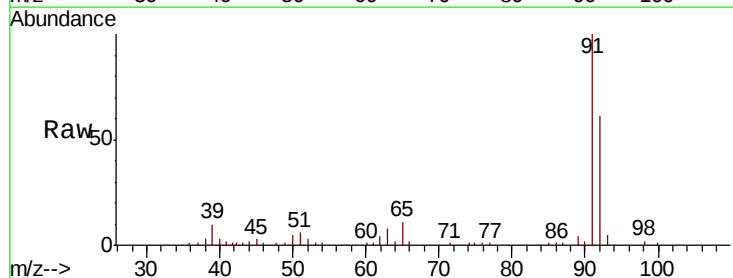
Acq: 23 Jul 2019 11:19

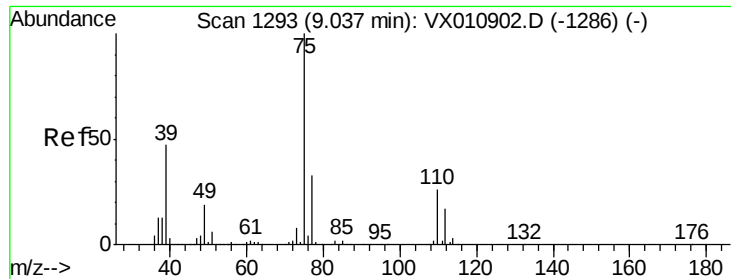
Tgt Ion: 92 Resp: 13351

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.0

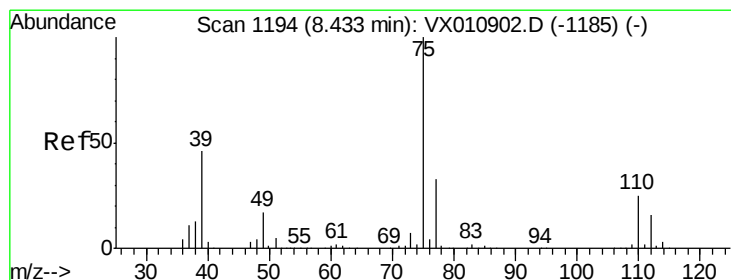
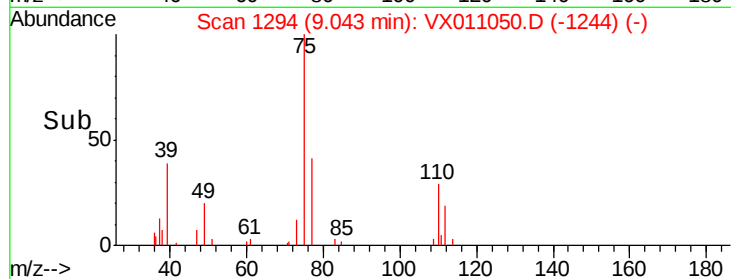
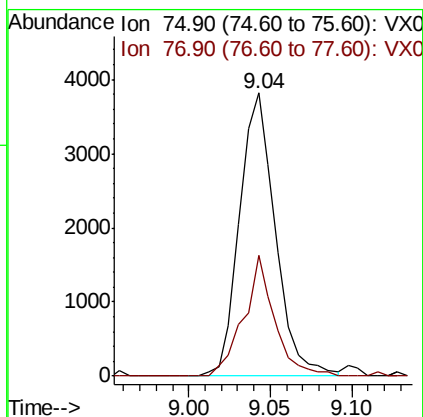
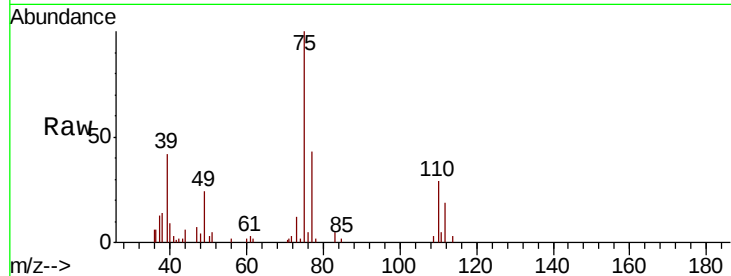




#53
t-1,3-Dichloropropene
Concen: 2.077 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

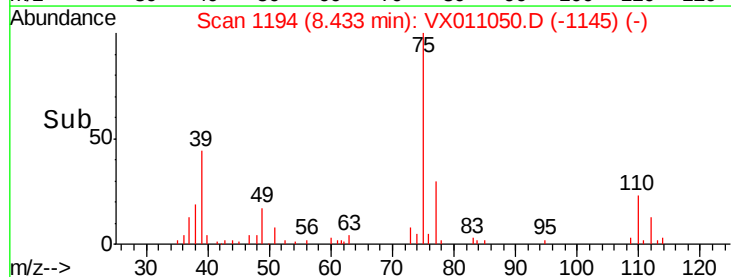
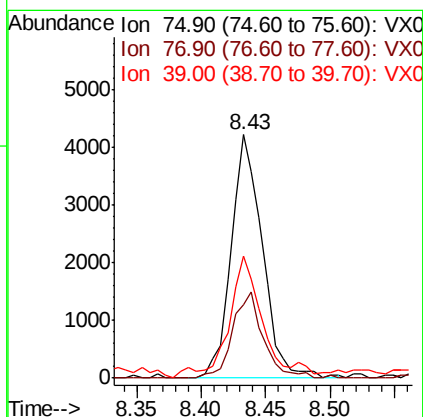
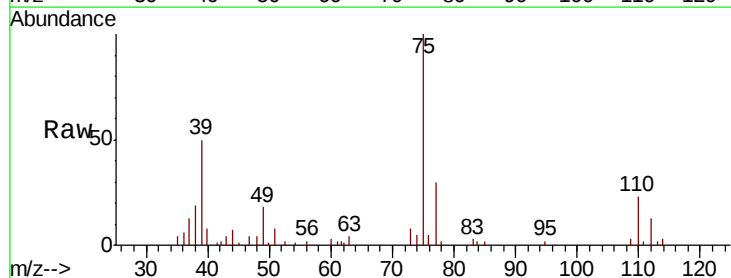
Instrument :
MSVOA_X
ClientSampled :

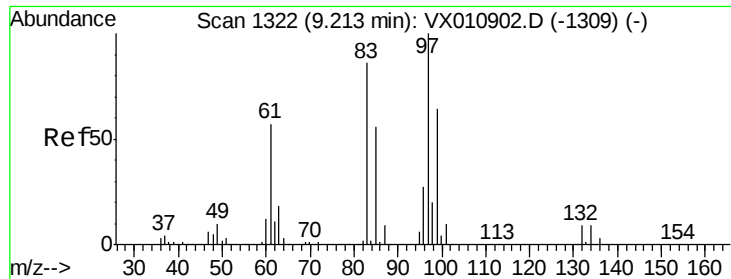
Tot Ion: 75 Resp: 5842
Ion Ratio Lower Upper
75 100
77 42.9 26.2 39.2#



#54
cis-1,3-Dichloropropene
Concen: 2.281 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 75 Resp: 7138
Ion Ratio Lower Upper
75 100
77 30.4 26.1 39.1
39 46.7 36.6 54.8

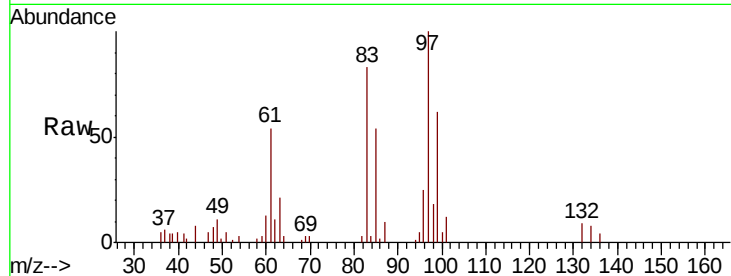




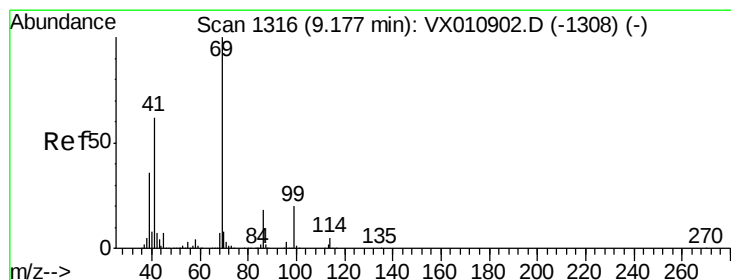
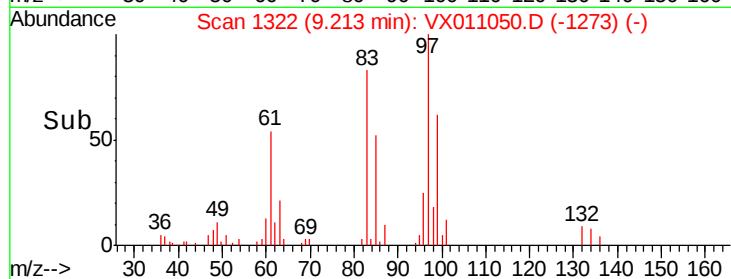
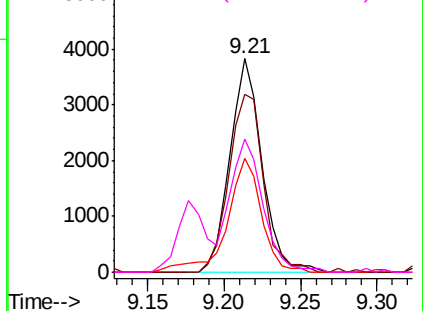
#55
 1,1,2-Trichloroethane
 Concen: 2.545 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	5562
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.2	103.8
85	53.6	44.6	66.8
99	62.1	51.2	76.8

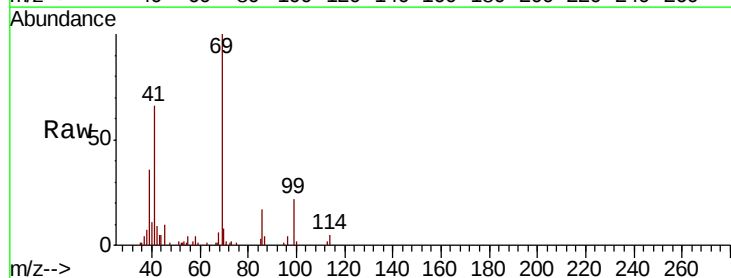


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

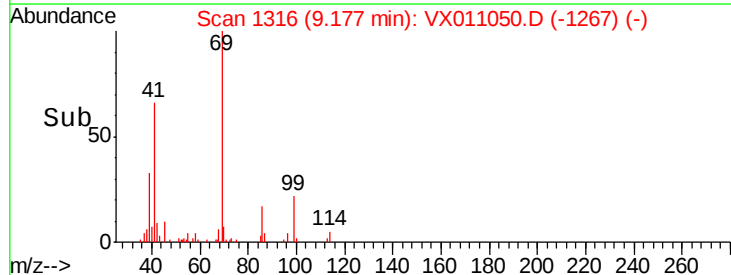
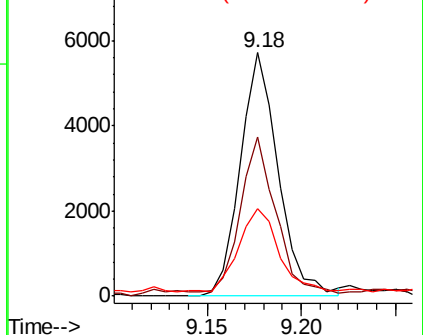


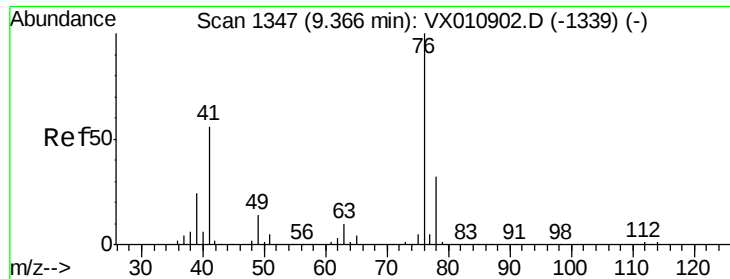
#56
 Ethyl methacrylate
 Concen: 2.508 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Tgt Ion:	69	Resp:	8017
Ion	Ratio	Lower	Upper
69	100		
41	58.8	49.7	74.5
39	35.2	29.6	44.4



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





#57

1,3-Dichloropropane

Concen: 2.535 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

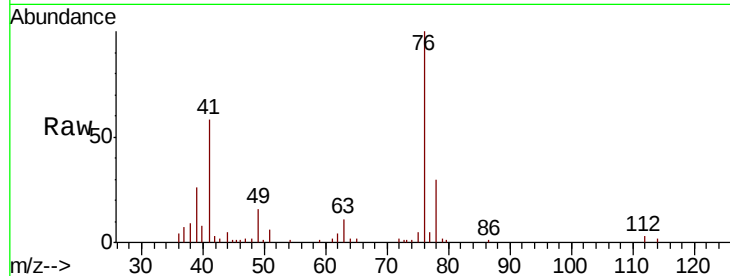
ClientSampleId :

Tot Ion: 76 Resp: 8787

Ion Ratio Lower Upper

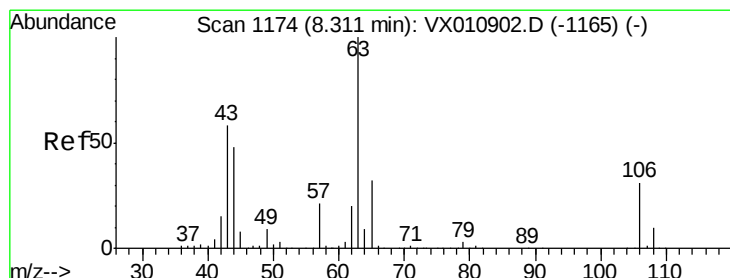
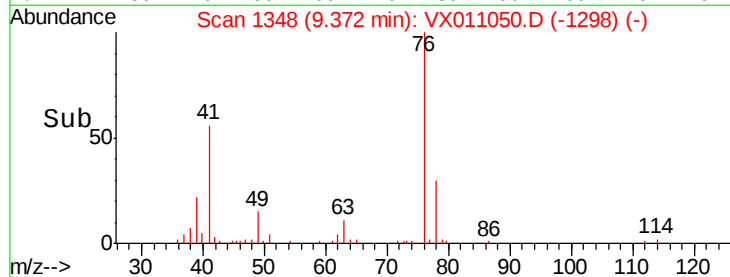
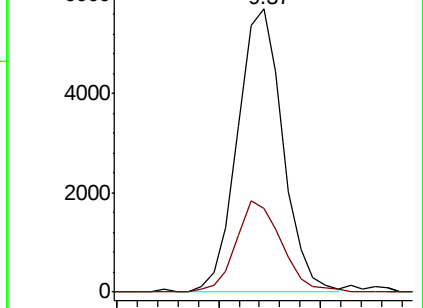
76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 11.820 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX011050.D

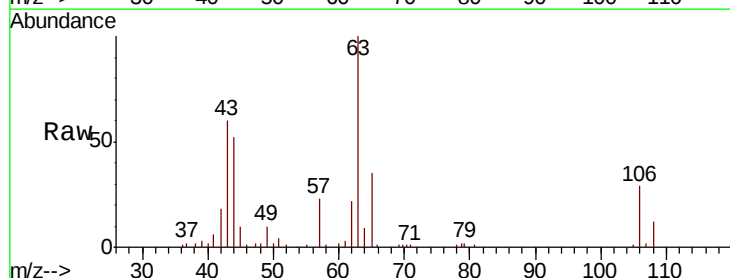
Acq: 23 Jul 2019 11:19

Tgt Ion: 63 Resp: 18036

Ion Ratio Lower Upper

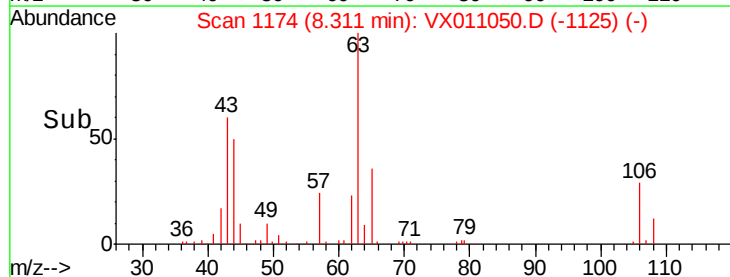
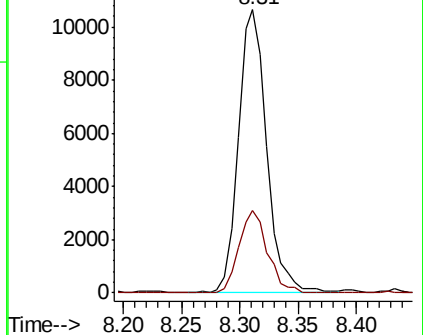
63 100

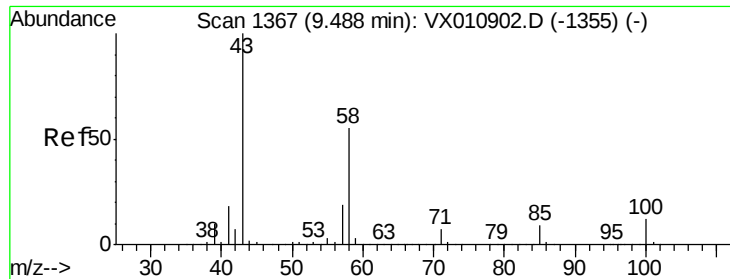
106 29.3 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

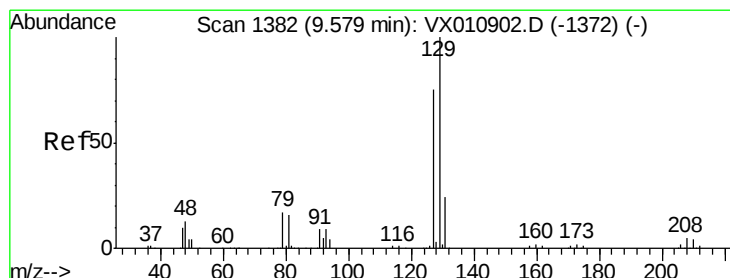
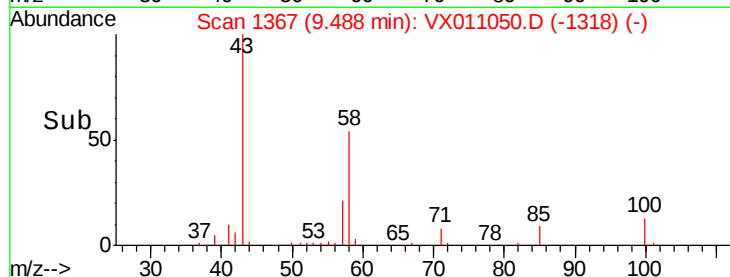
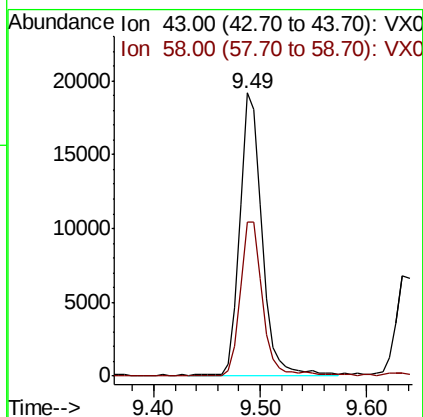
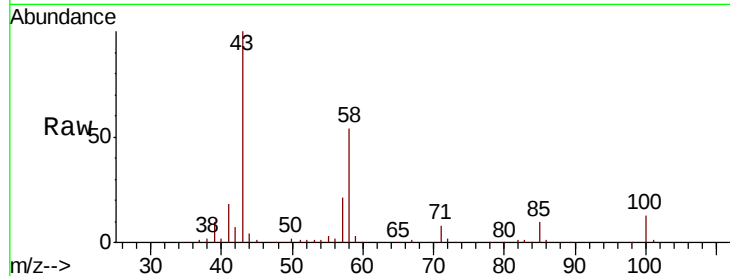




#59
2-Hexanone
Concen: 12.519 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

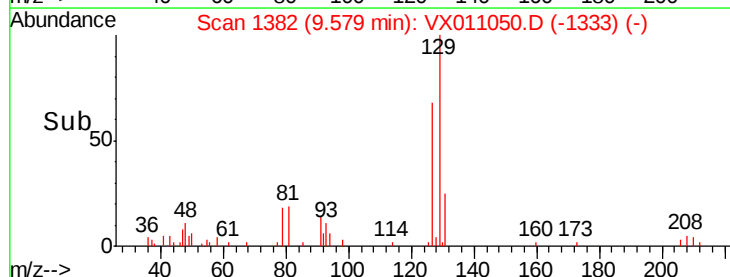
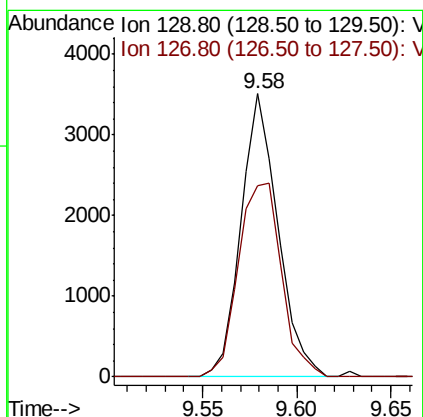
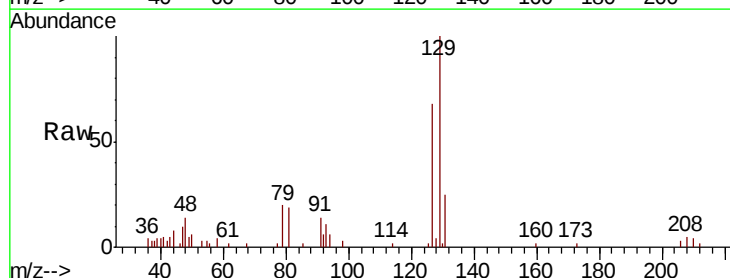
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 27951
Ion Ratio Lower Upper
43 100
58 55.3 28.0 83.9



#60
Dibromochloromethane
Concen: 4.331 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion:129 Resp: 4777
Ion Ratio Lower Upper
129 100
127 79.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 2.484 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

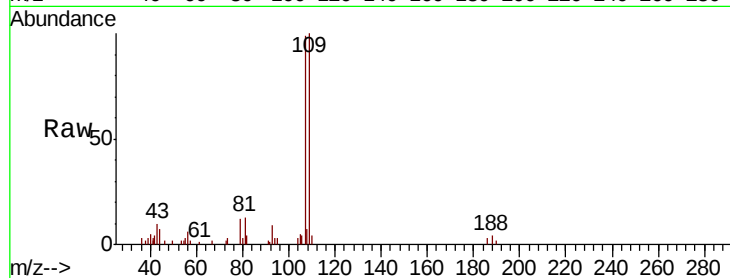
ClientSampleId :

Tot Ion:107 Resp: 5761

Ion Ratio Lower Upper

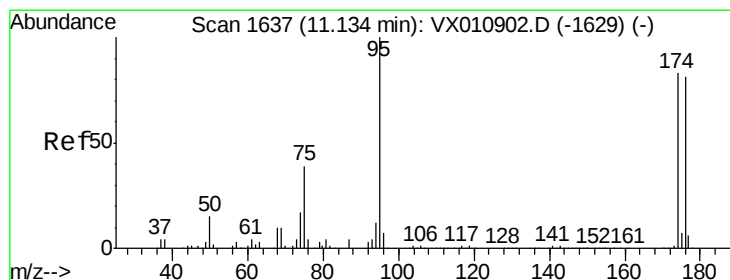
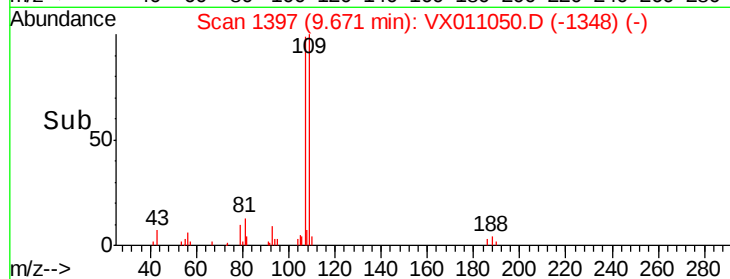
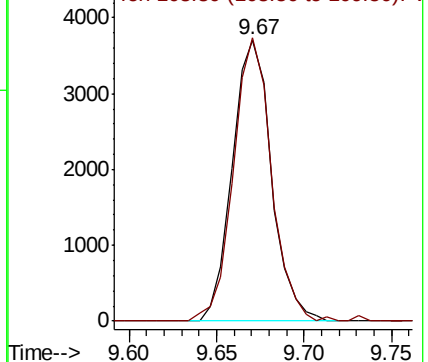
107 100

109 97.8 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.616 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

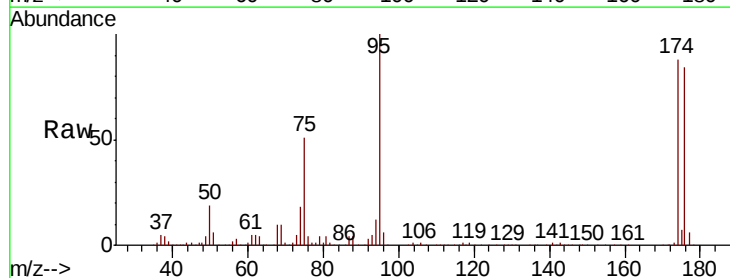
Tgt Ion: 95 Resp: 130976

Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.6

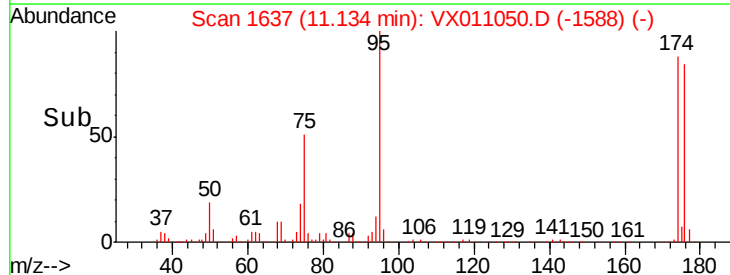
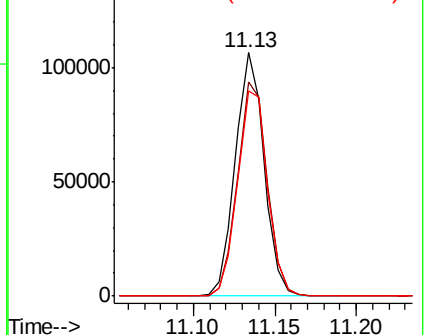
176 88.5 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

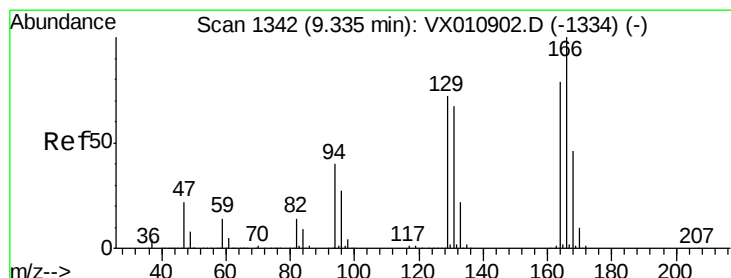
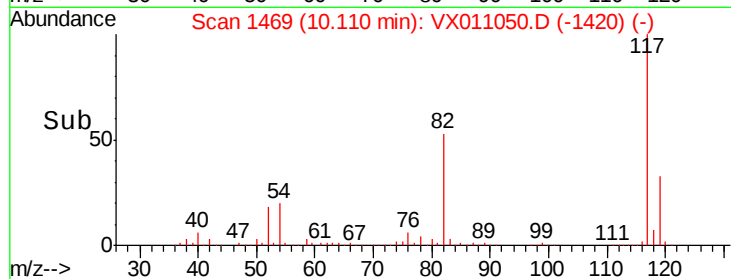
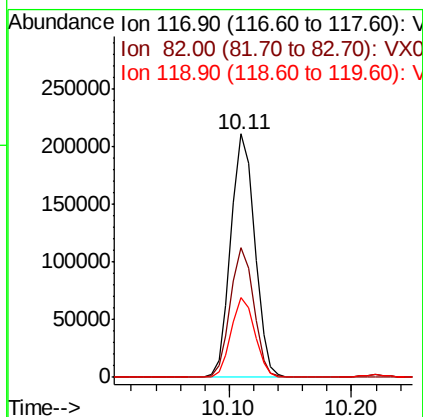
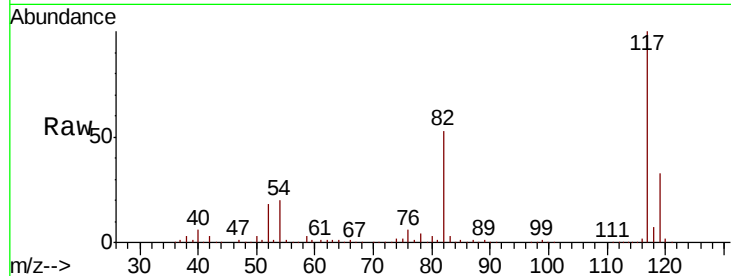




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

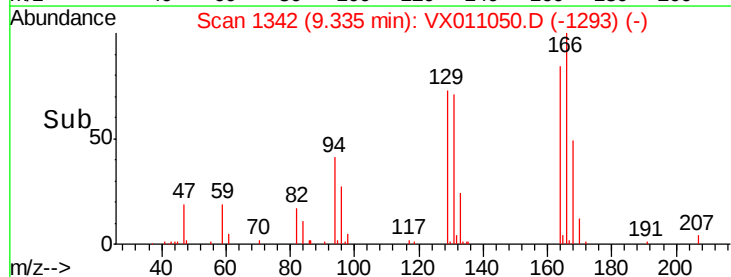
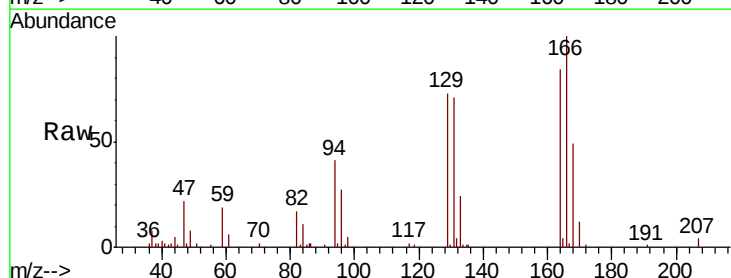
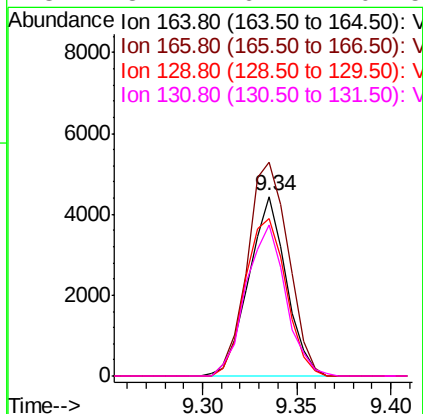
Instrument :
MSVOA_X
ClientSampled :

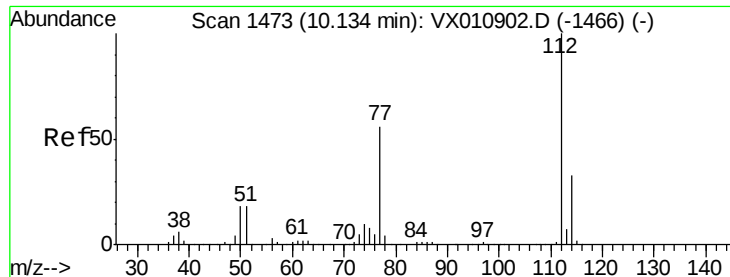
Tot Ion:117 Resp: 285696
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 32.6 25.9 38.9



#64
Tetrachloroethene
Concen: 2.723 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion:164 Resp: 6119
Ion Ratio Lower Upper
164 100
166 118.9 100.8 151.2
129 87.4 72.6 109.0
131 84.2 67.7 101.5

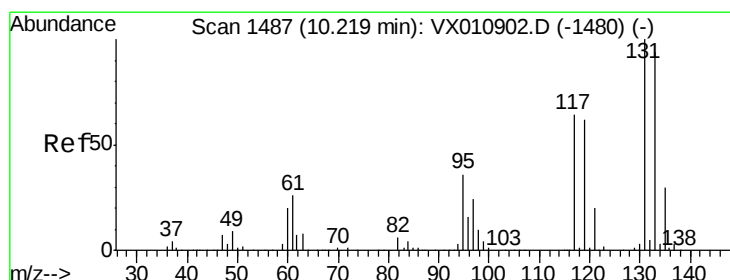
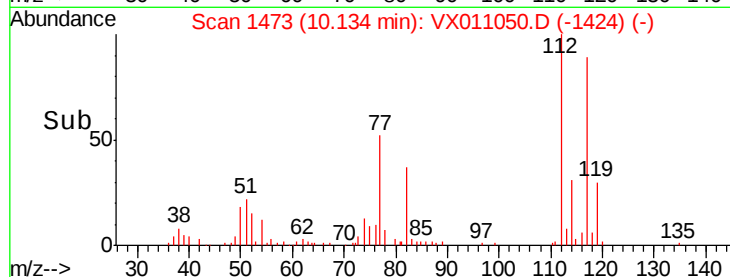
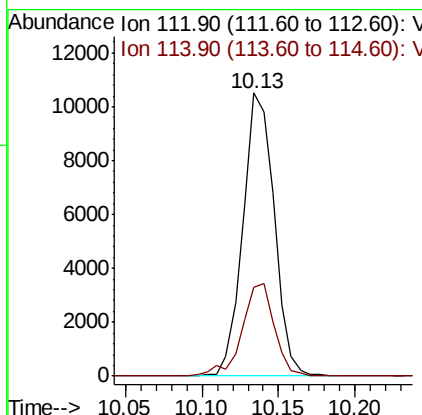
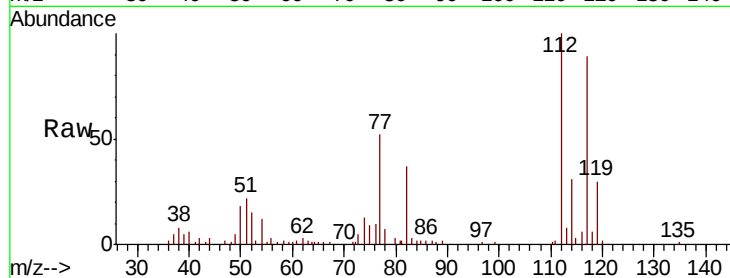




#65
Chlorobenzene
Concen: 2.549 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

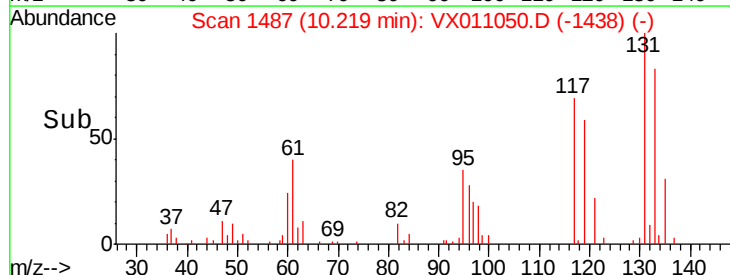
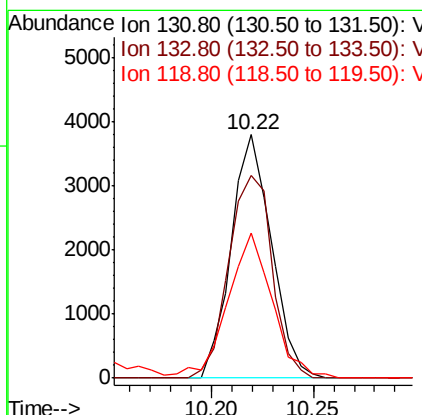
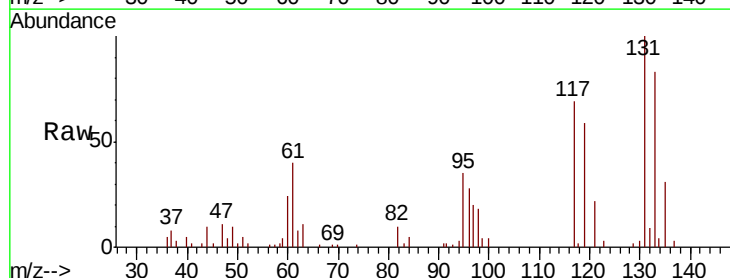
Instrument :
MSVOA_X
ClientSampled :

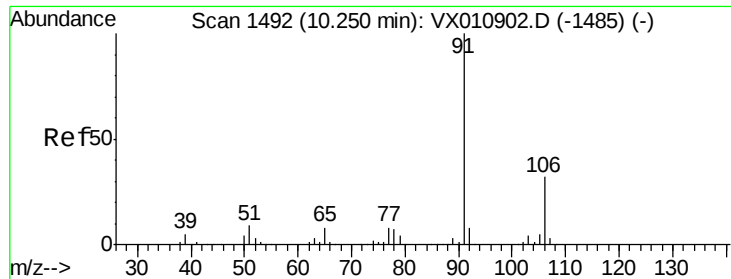
Tot Ion:112 Resp: 14958
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 2.524 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion:131 Resp: 5205
Ion Ratio Lower Upper
131 100
133 89.7 47.1 141.4
119 65.9 31.9 95.7

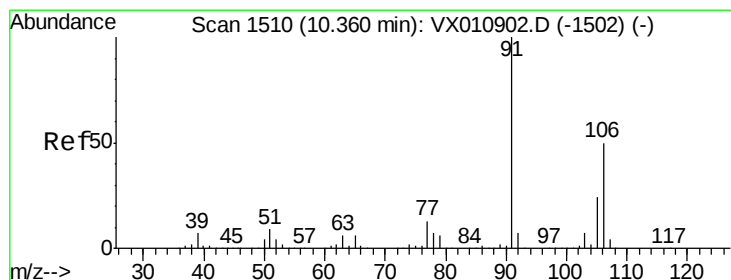
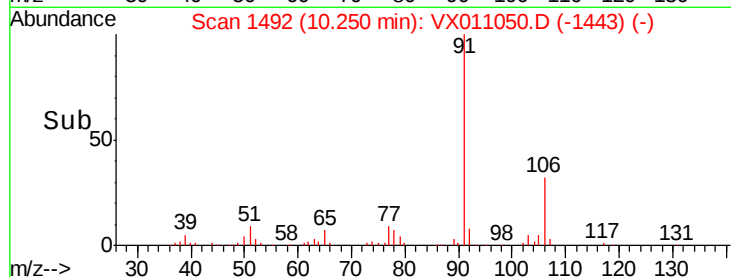
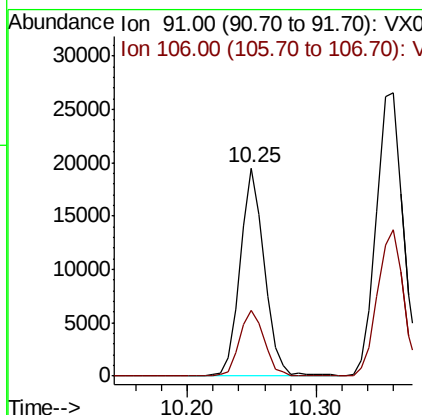
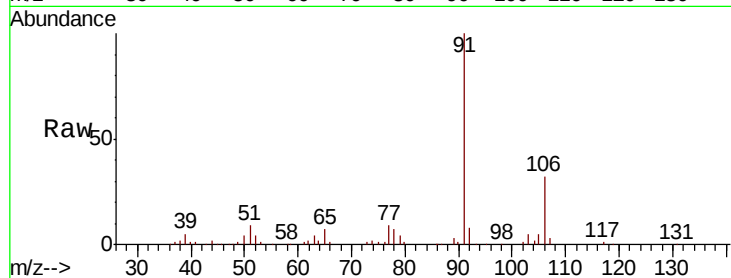




#67
Ethyl Benzene
Concen: 2.537 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

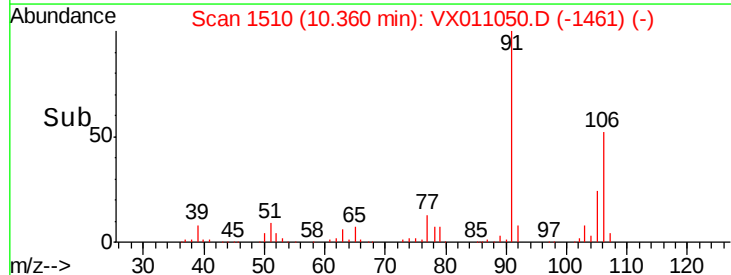
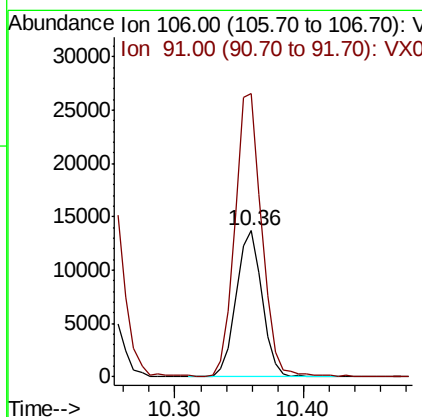
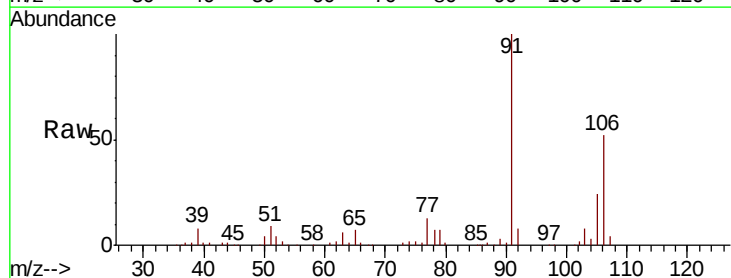
Instrument :
MSVOA_X
ClientSampled :

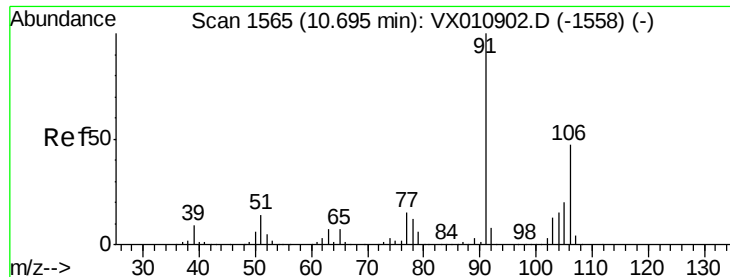
Tot Ion: 91 Resp: 25336
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 5.009 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 106 Resp: 19190
Ion Ratio Lower Upper
106 100
91 200.3 160.1 240.1

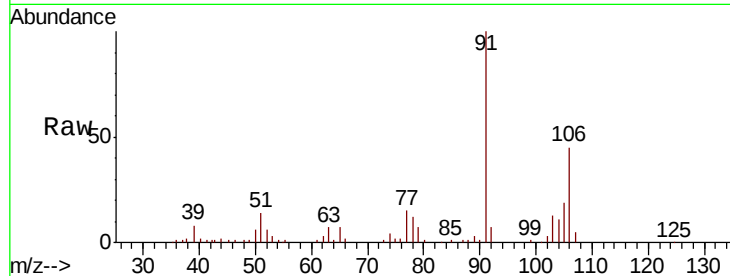




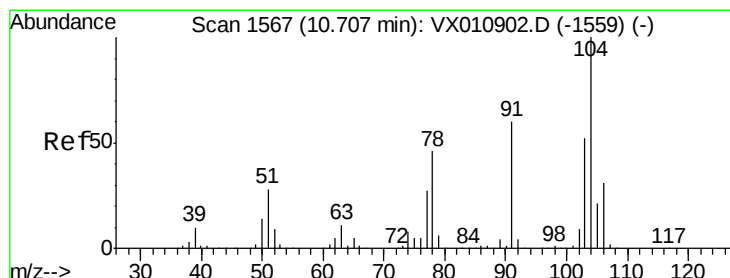
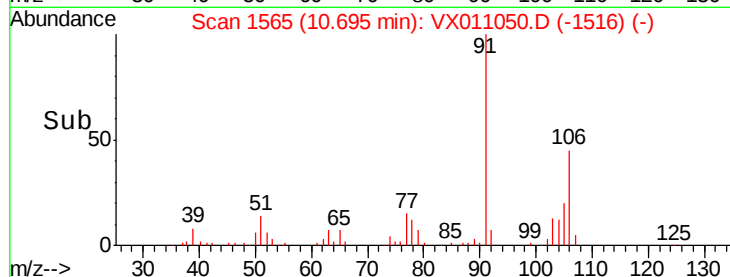
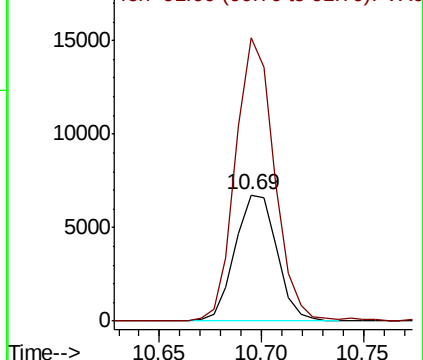
#69
o-Xylene
Concen: 2.562 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 9580
Ion Ratio Lower Upper
106 100
91 209.9 105.1 315.3

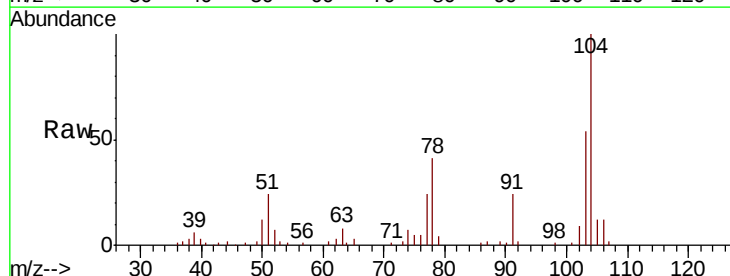


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

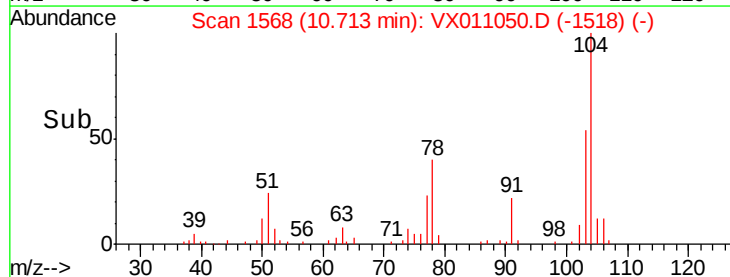
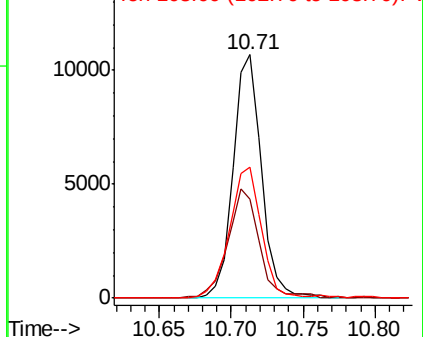


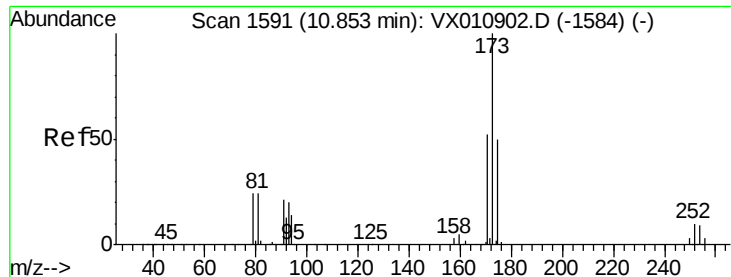
#70
Styrene
Concen: 2.366 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion:104 Resp: 14750
Ion Ratio Lower Upper
104 100
78 50.0 38.8 58.2
103 59.9 44.2 66.4



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





#71

Bromoform

Concen: 4.267 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

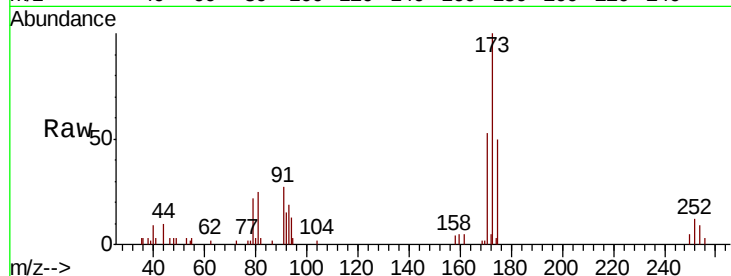
Tot Ion:173 Resp: 3399

Ion Ratio Lower Upper

173 100

175 51.1 24.6 73.6

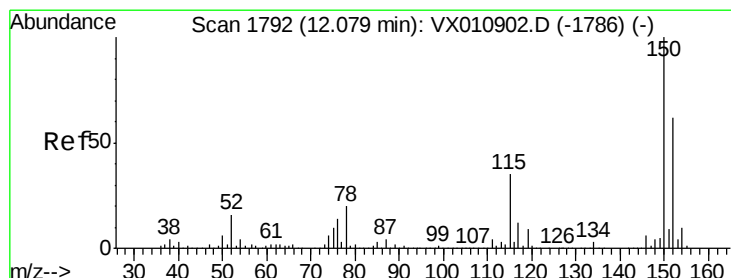
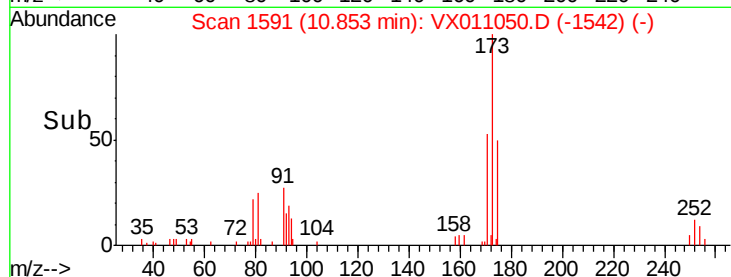
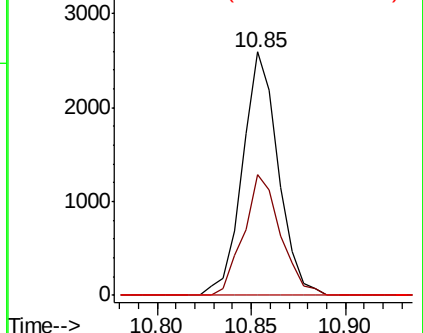
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

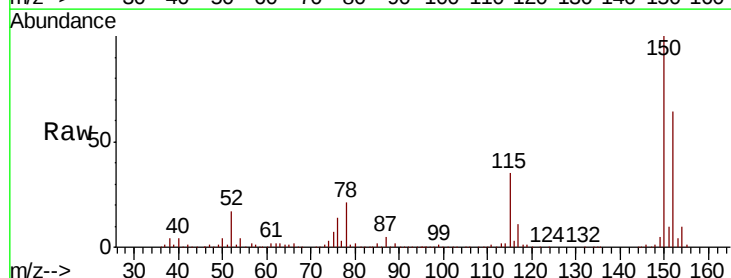
Tgt Ion:152 Resp: 141778

Ion Ratio Lower Upper

152 100

115 56.9 39.7 119.1

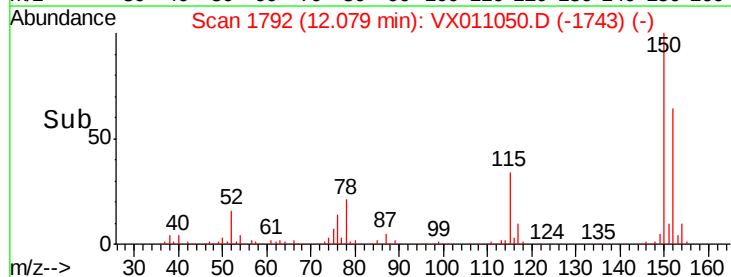
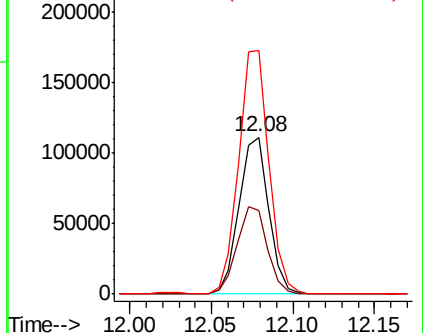
150 157.9 0.0 345.6

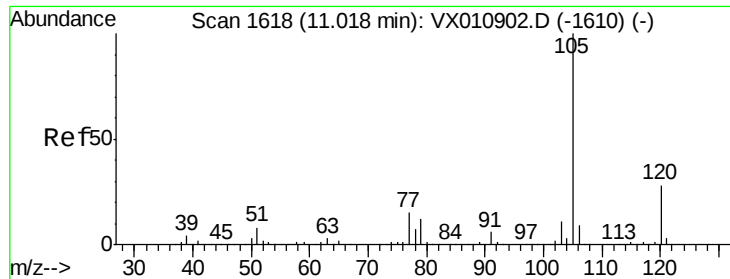


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.619 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

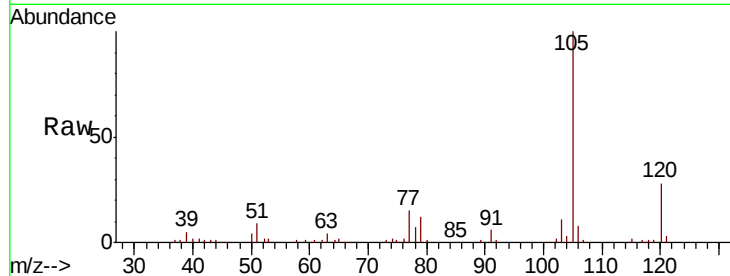
ClientSampleId :

Tot Ion:105 Resp: 25092

Ion Ratio Lower Upper

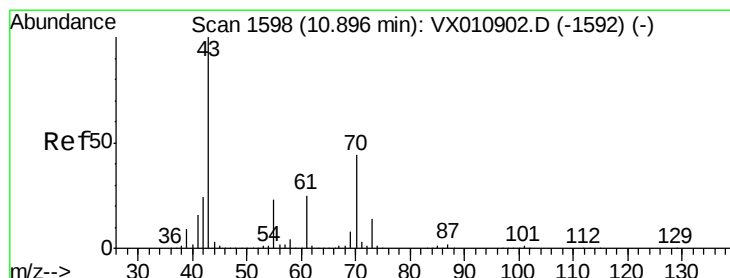
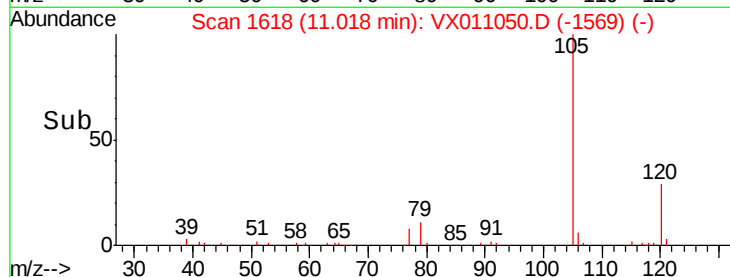
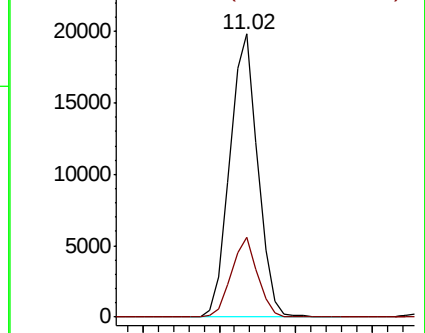
105 100

120 26.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.439 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Tgt Ion: 43 Resp: 8929

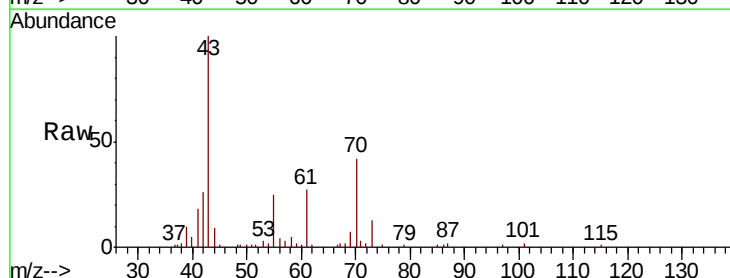
Ion Ratio Lower Upper

43 100

70 40.8 34.7 52.1

55 26.2 19.1 28.7

61 25.7 19.9 29.9

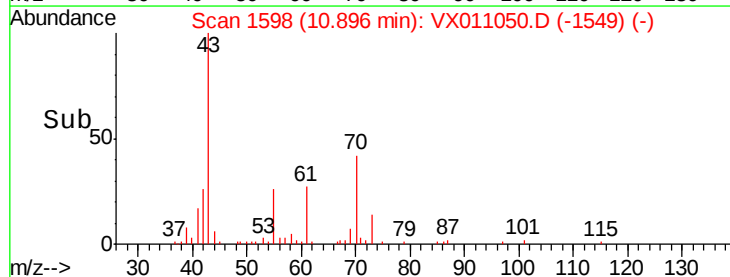
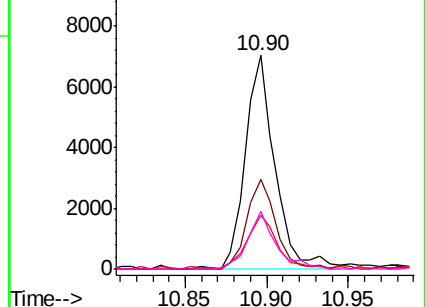


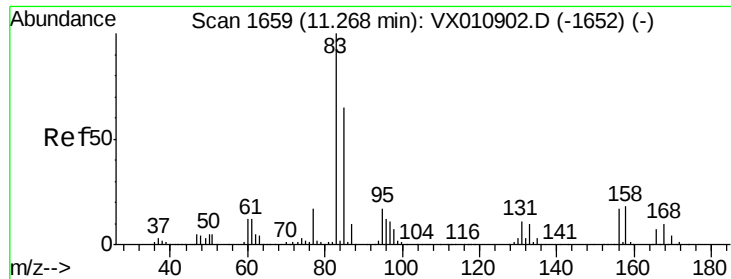
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

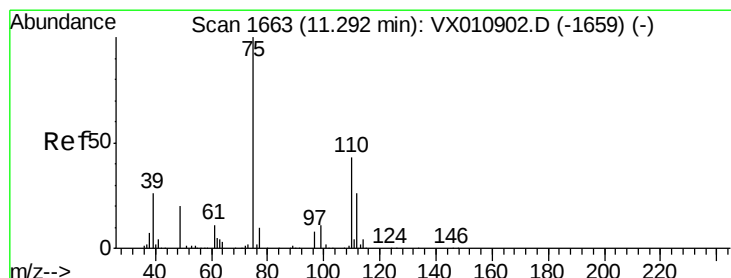
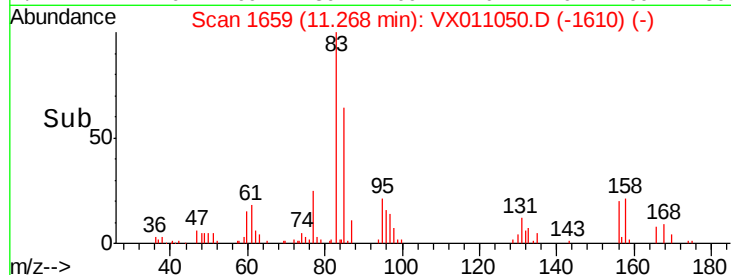
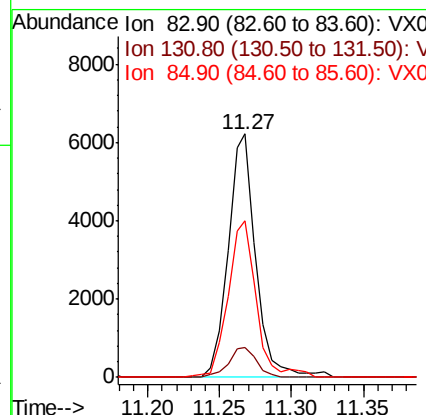
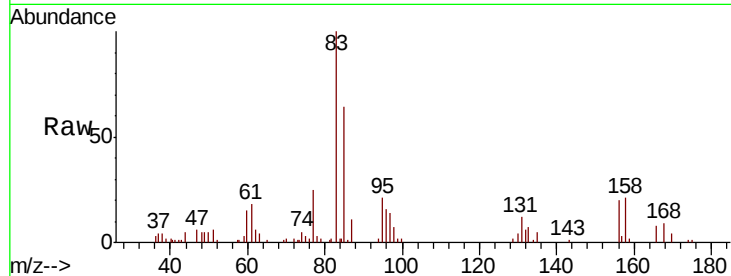




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.670 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

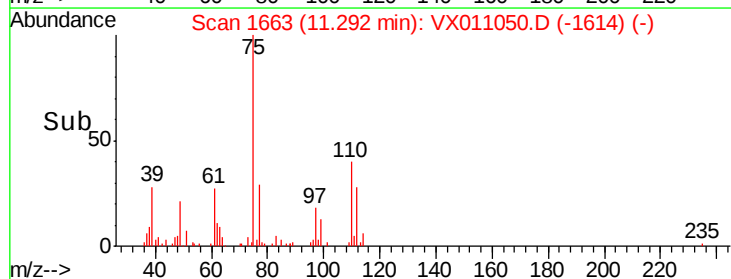
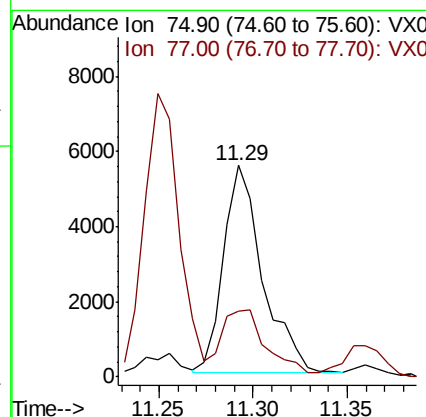
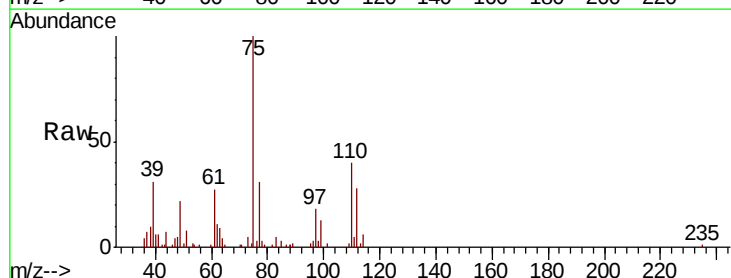
Instrument :
 MSVOA_X
 ClientSampleId :

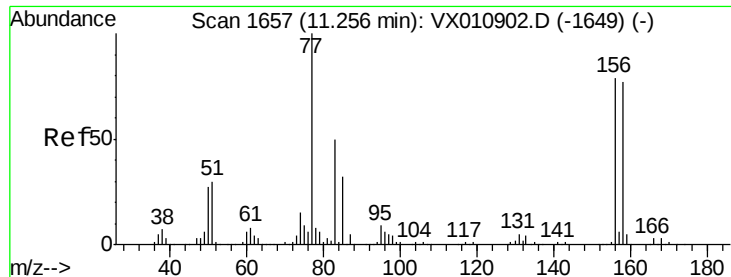
Tot Ion: 83 Resp: 8371
 Ion Ratio Lower Upper
 83 100
 131 12.2 5.5 16.4
 85 66.1 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 3.132 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Tgt Ion: 75 Resp: 8012
 Ion Ratio Lower Upper
 75 100
 77 38.0 21.3 64.0





#77

Bromobenzene

Concen: 2.661 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

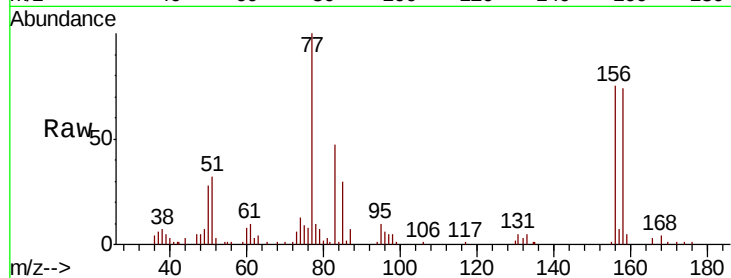
Tot Ion:156 Resp: 7032

Ion Ratio Lower Upper

156 100

77 140.4 68.7 206.1

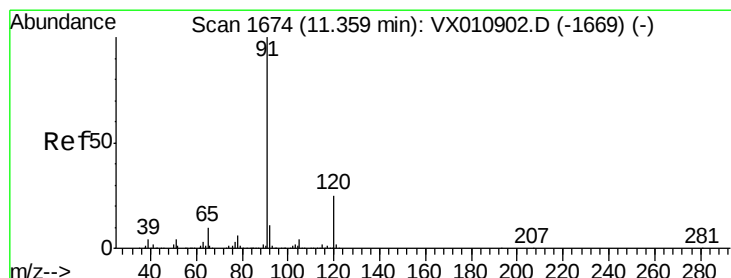
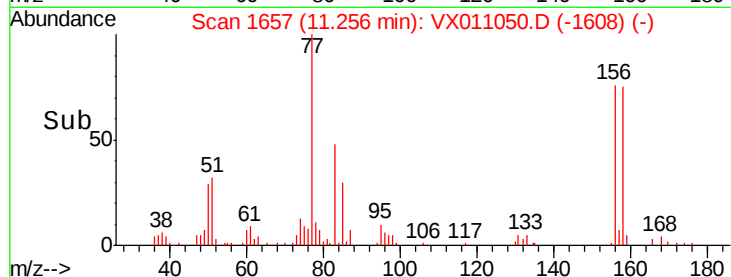
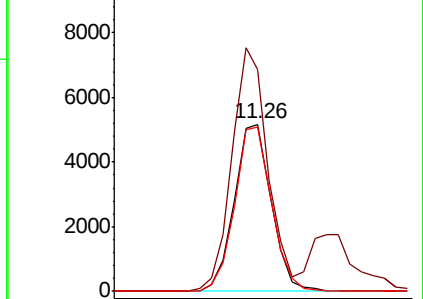
158 97.8 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.550 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011050.D

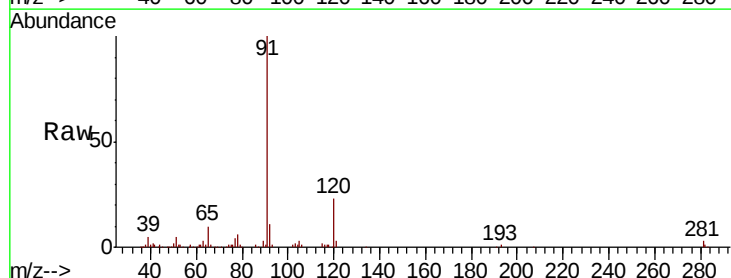
Acq: 23 Jul 2019 11:19

Tgt Ion: 91 Resp: 26989

Ion Ratio Lower Upper

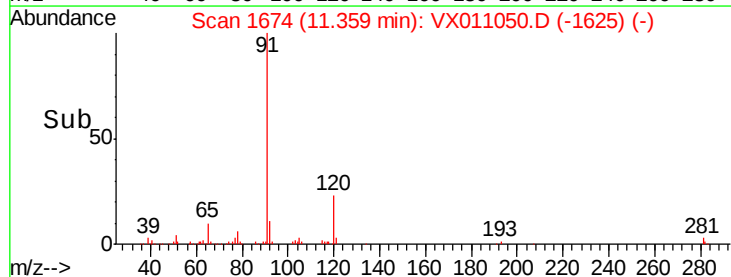
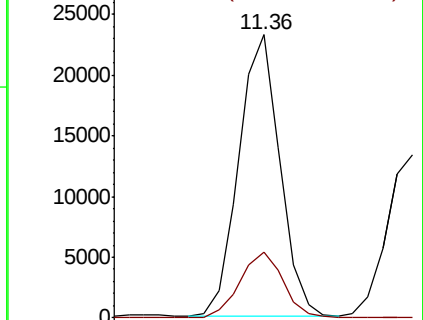
91 100

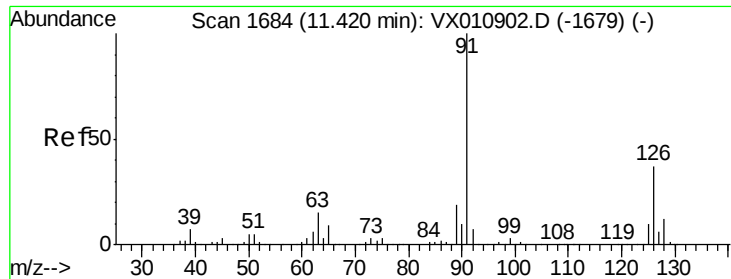
120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

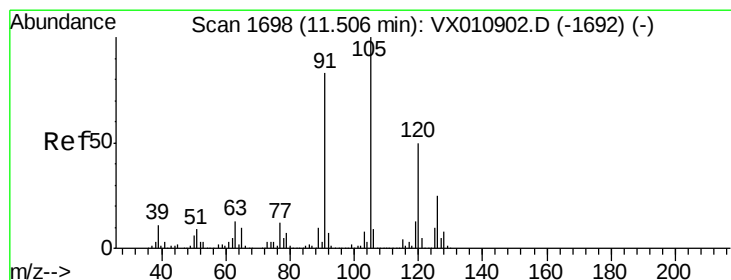
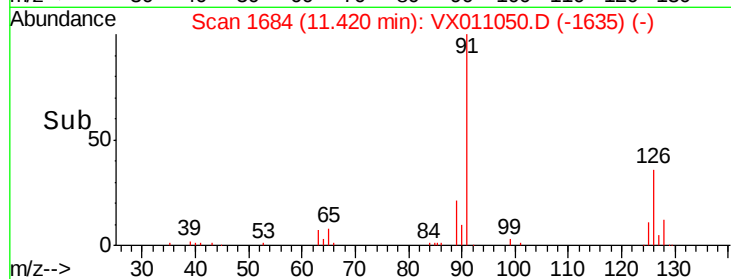
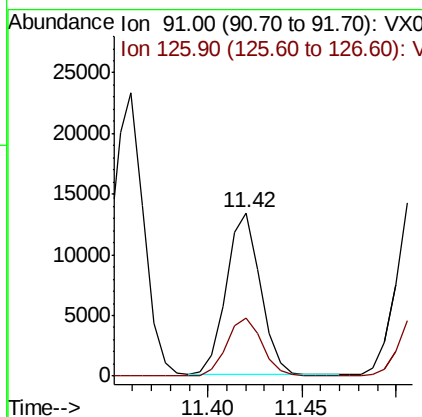
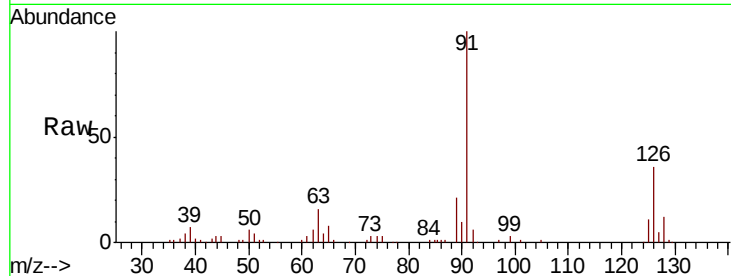




#79
 2-Chlorotoluene
 Concen: 2.654 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

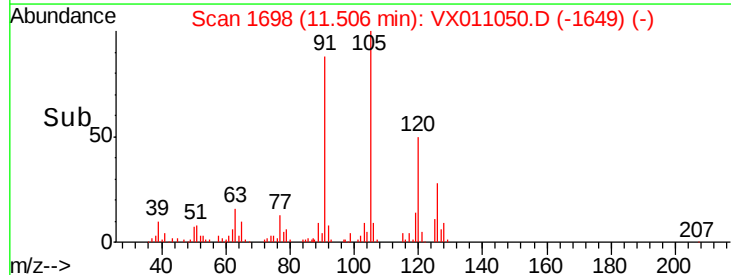
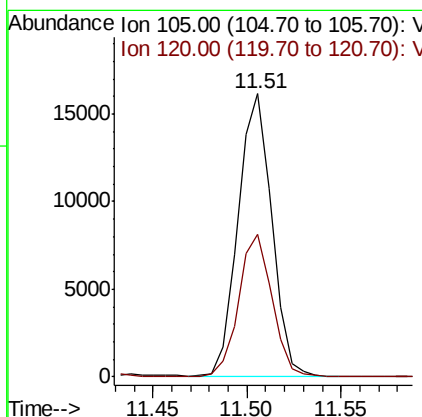
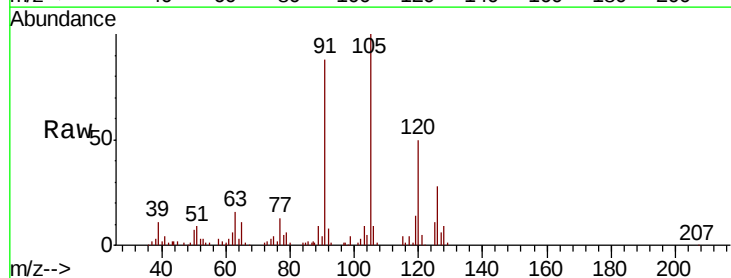
Instrument :
 MSVOA_X
 ClientSampleId :

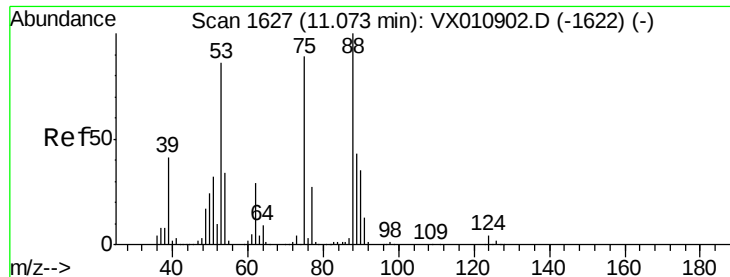
Tot Ion: 91 Resp: 16877
 Ion Ratio Lower Upper
 91 100
 126 37.3 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 2.506 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Tgt Ion: 105 Resp: 20064
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 64.820 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

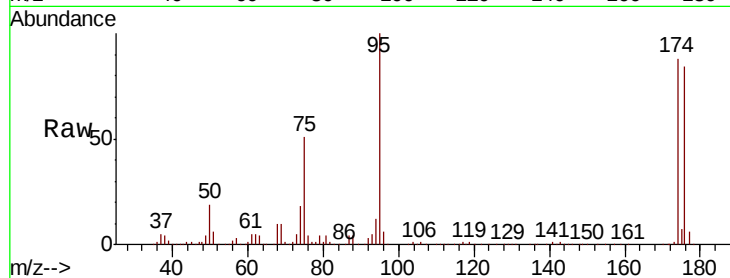
Tot Ion: 75 Resp: 66751

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

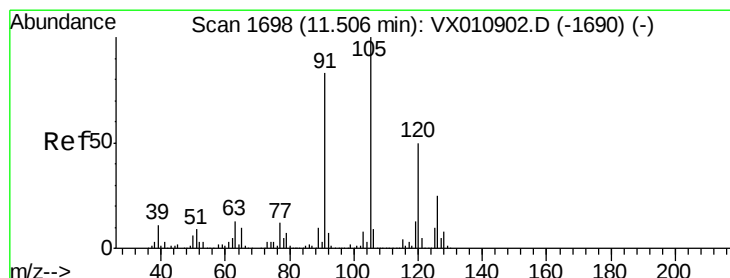
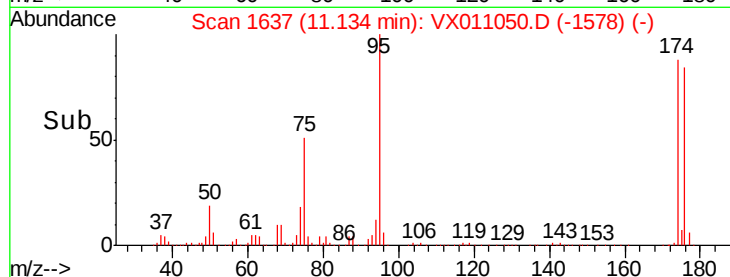
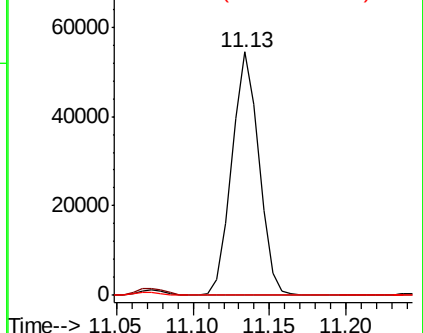
89 0.1 38.5 57.7#



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: 2.568 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX011050.D

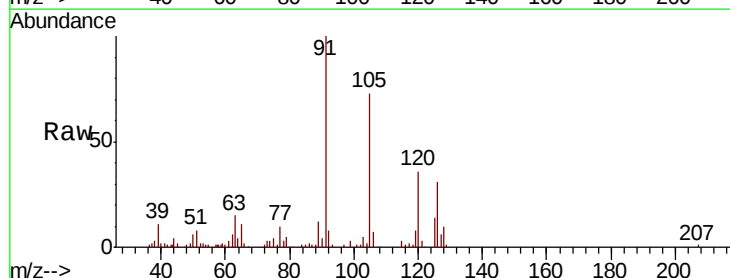
Acq: 23 Jul 2019 11:19

Tgt Ion: 91 Resp: 19008

Ion Ratio Lower Upper

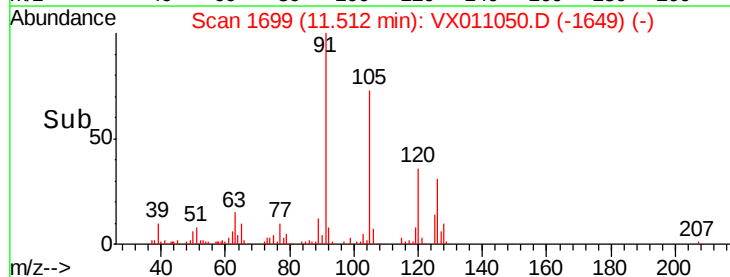
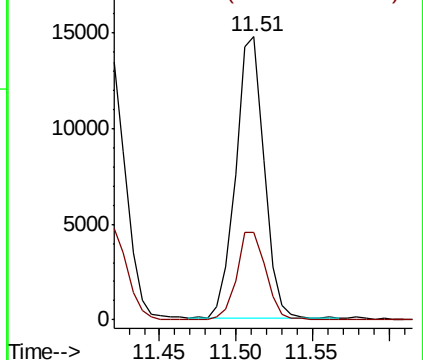
91 100

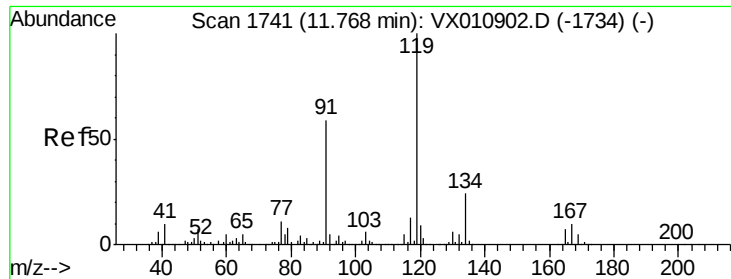
126 31.8 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.562 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

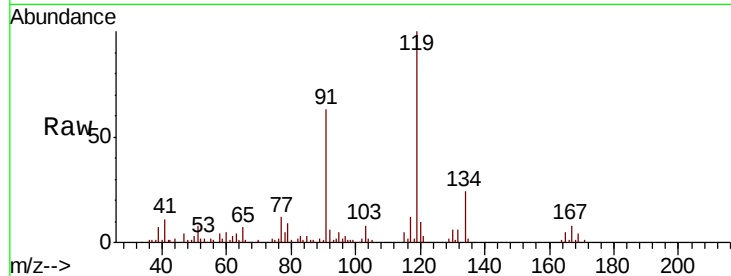
Tot Ion:119 Resp: 20142

Ion Ratio Lower Upper

119 100

91 59.7 28.6 85.8

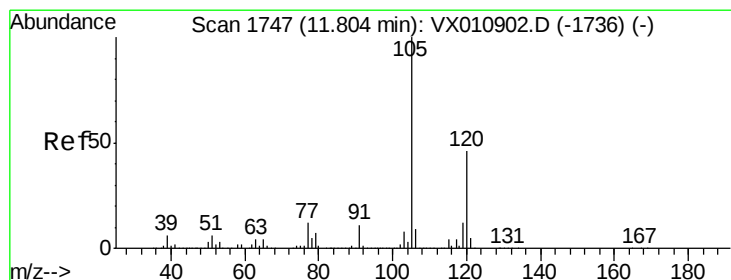
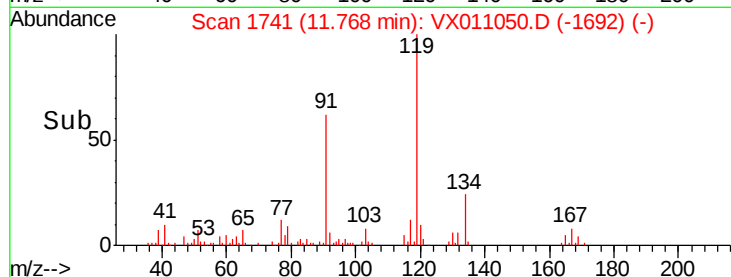
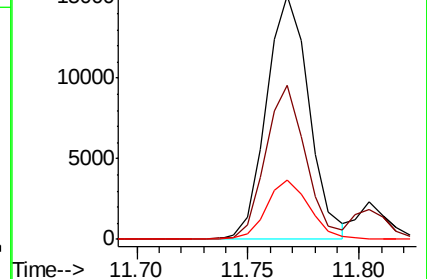
134 24.3 11.6 34.8



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: 2.470 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011050.D

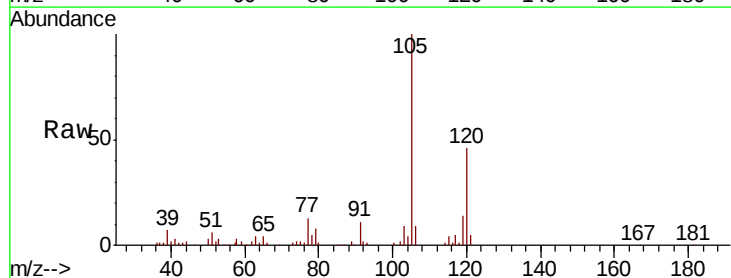
Acq: 23 Jul 2019 11:19

Tgt Ion:105 Resp: 19927

Ion Ratio Lower Upper

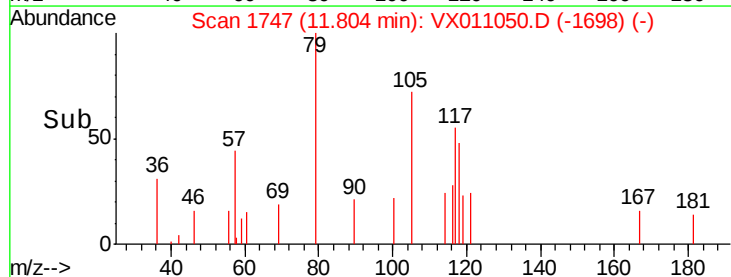
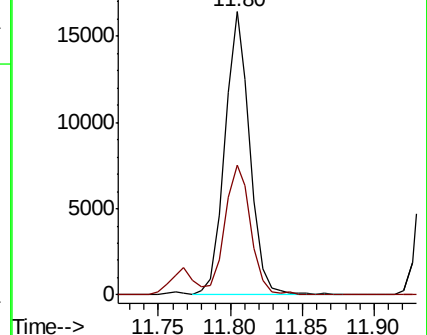
105 100

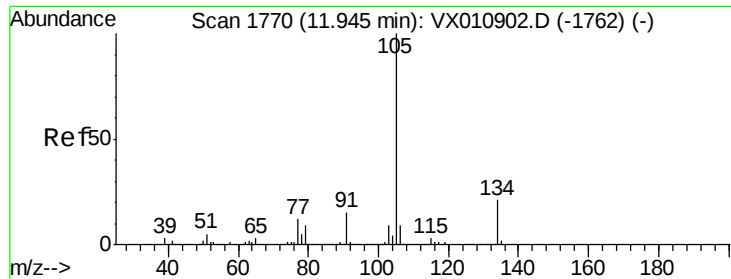
120 47.9 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.634 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

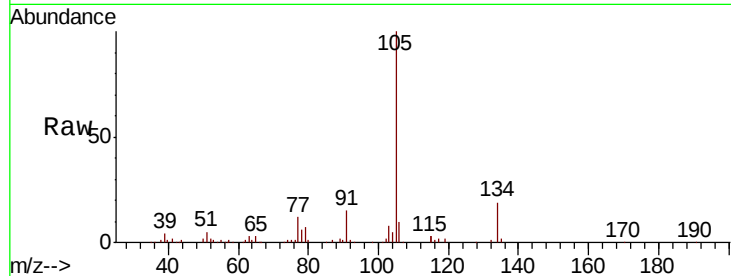
ClientSampled :

Tot Ion:105 Resp: 24268

Ion Ratio Lower Upper

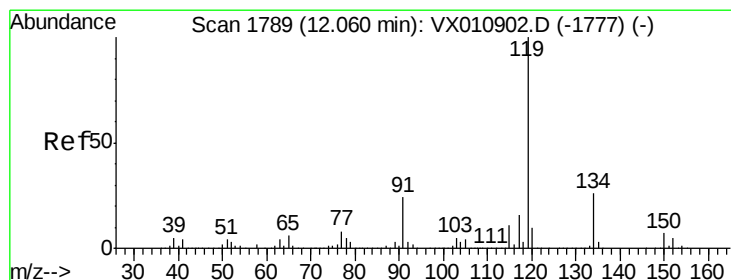
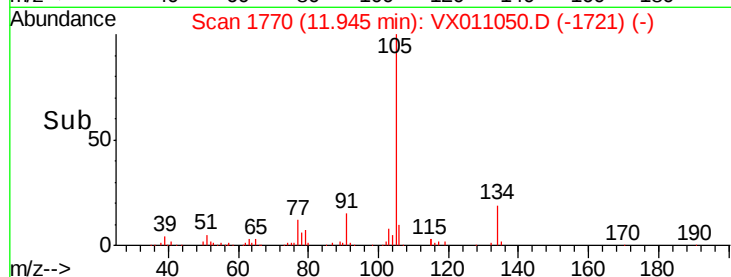
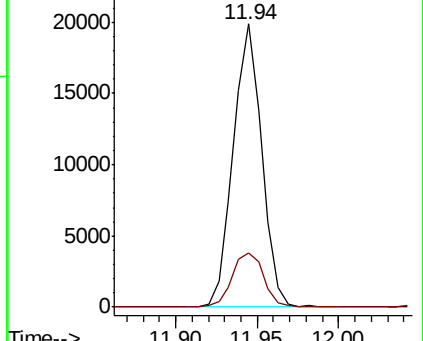
105 100

134 21.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.515 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

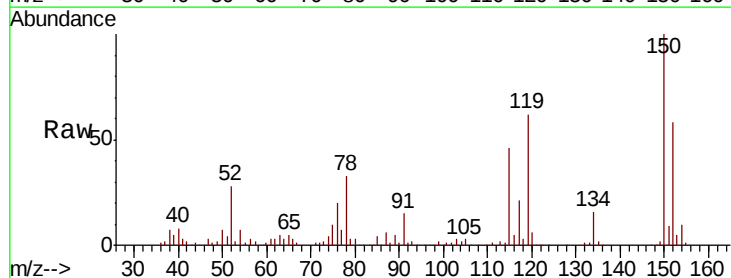
Tgt Ion:119 Resp: 21422

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

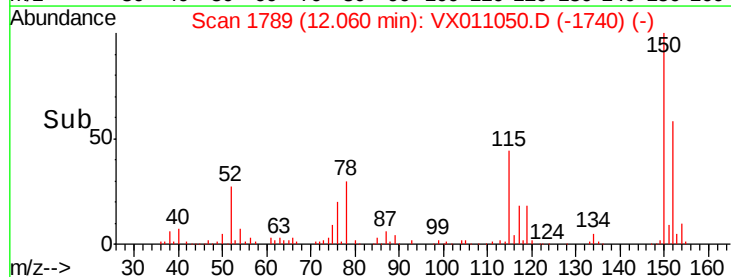
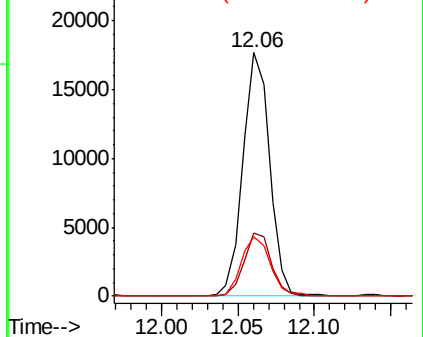
91 26.3 11.8 35.4

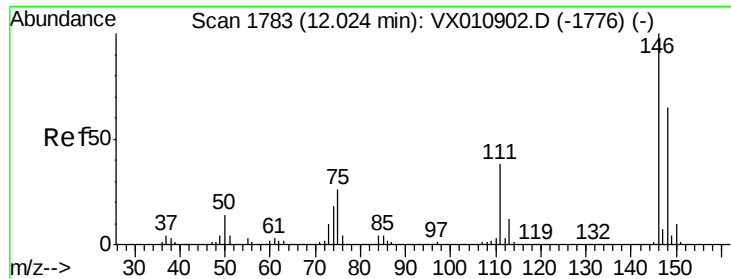


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 2.703 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampled :

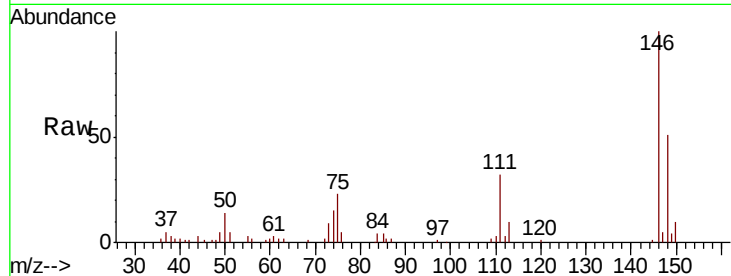
Tot Ion:146 Resp: 12394

Ion Ratio Lower Upper

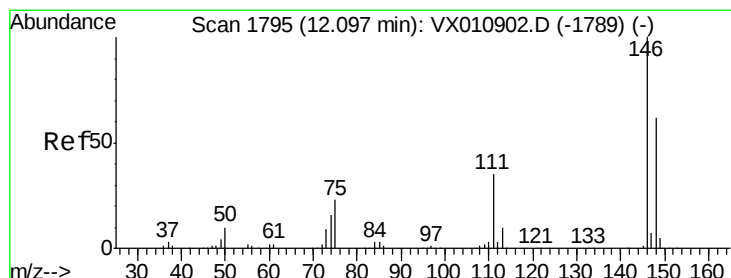
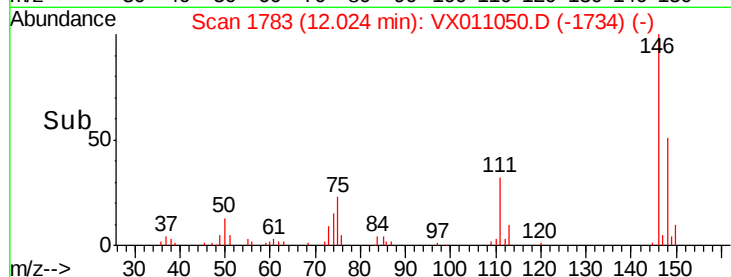
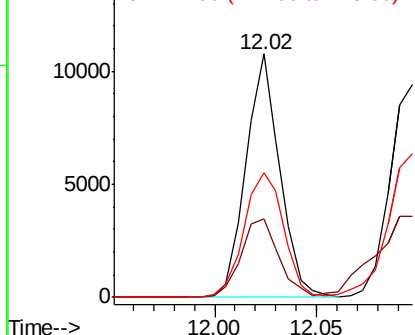
146 100

111 36.1 18.9 56.9

148 60.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 2.618 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011050.D

Acq: 23 Jul 2019 11:19

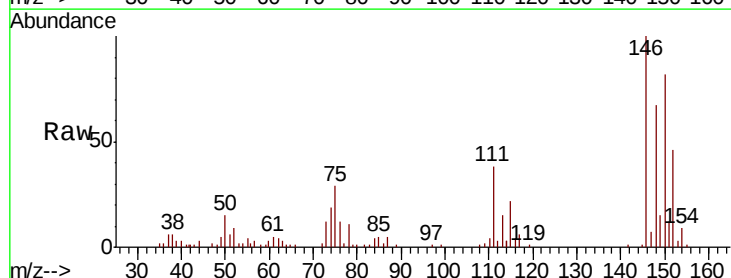
Tgt Ion:146 Resp: 12313

Ion Ratio Lower Upper

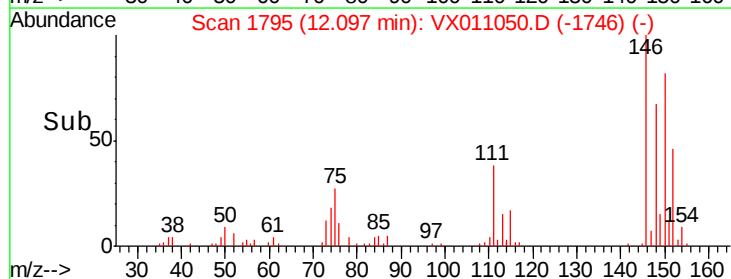
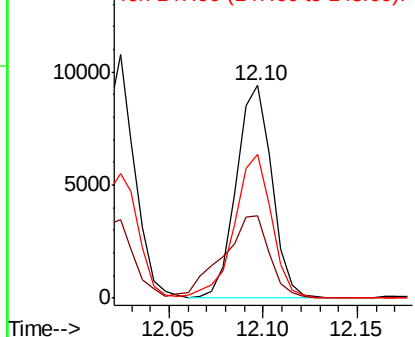
146 100

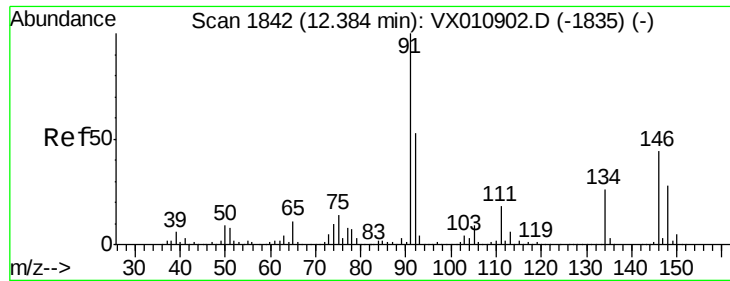
111 50.9 18.6 55.8

148 70.3 31.6 94.7



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

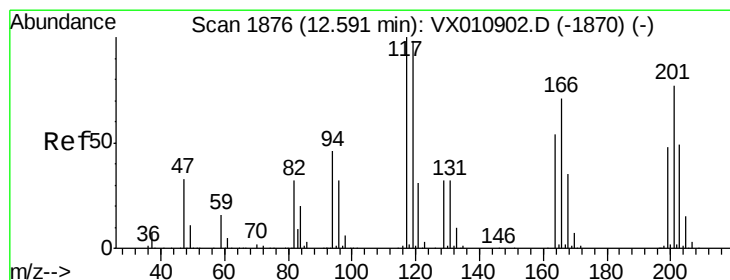
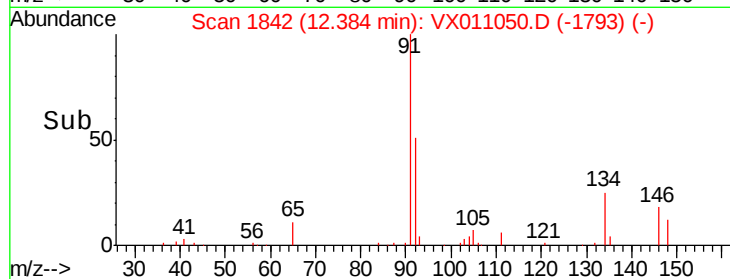
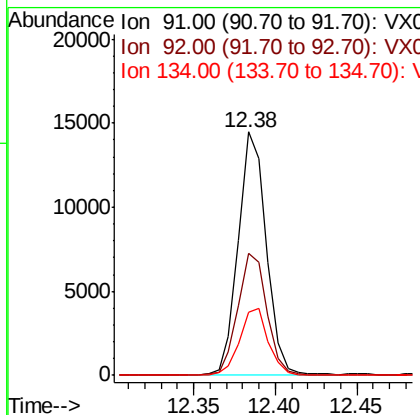
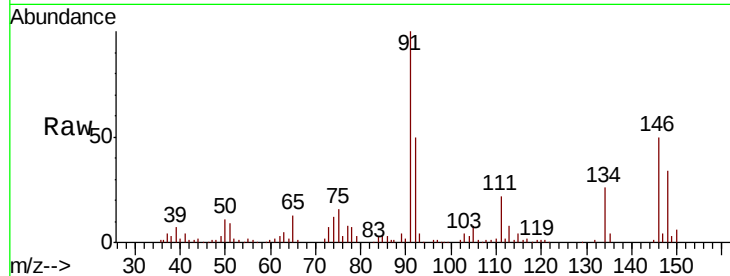




#89
n-Butylbenzene
Concen: 2.393 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

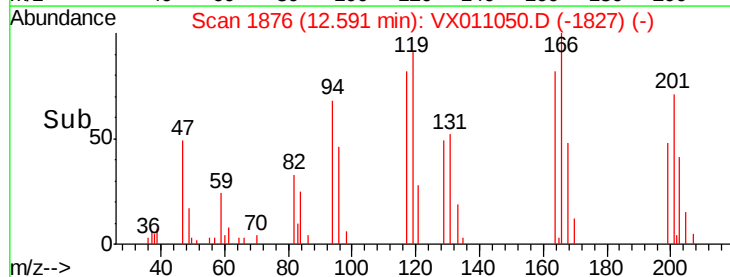
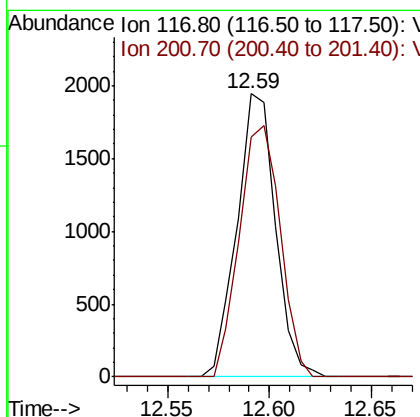
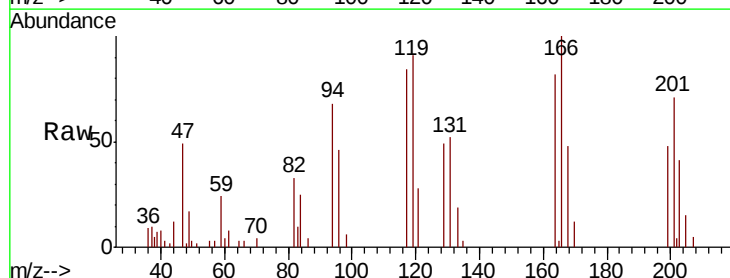
Instrument :
MSVOA_X
ClientSampleId :

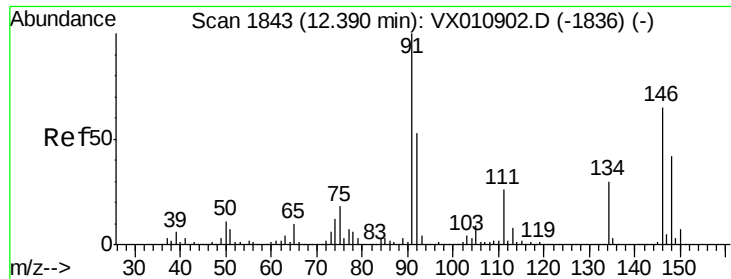
Tot Ion: 91 Resp: 17441
Ion Ratio Lower Upper
91 100
92 51.8 26.2 78.5
134 28.0 13.8 41.3



#90
Hexachloroethane
Concen: 1.906 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion: 117 Resp: 2560
Ion Ratio Lower Upper
117 100
201 94.1 43.3 129.8

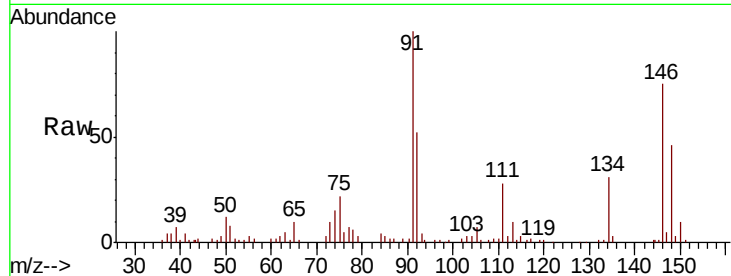




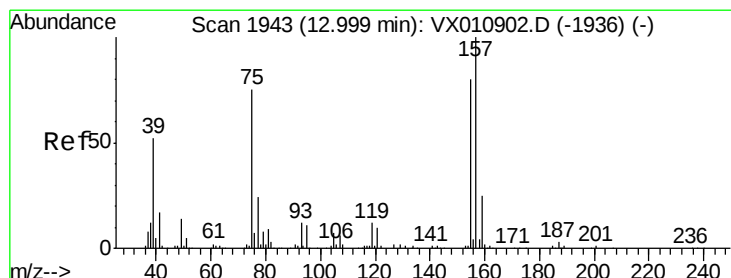
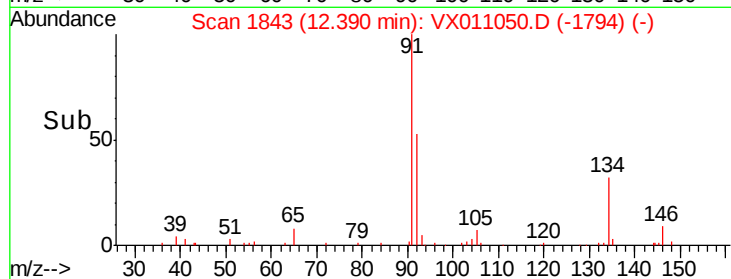
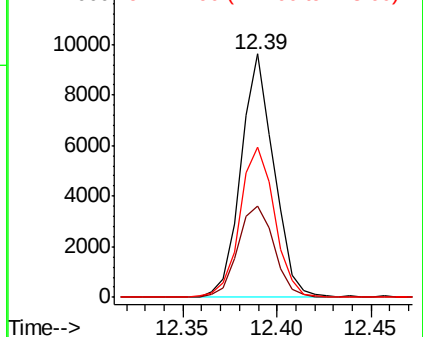
#91
 1,2-Dichlorobenzene
 Concen: 2.564 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 11653
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.9 59.7
 148 65.1 32.0 96.2

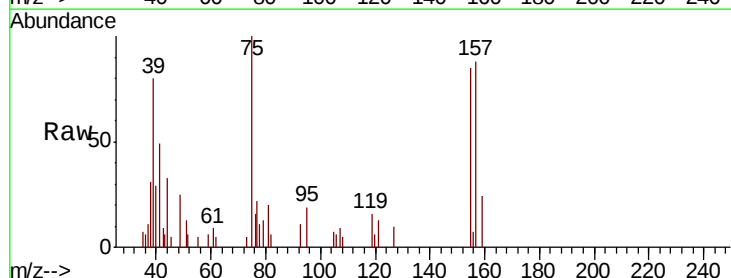


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

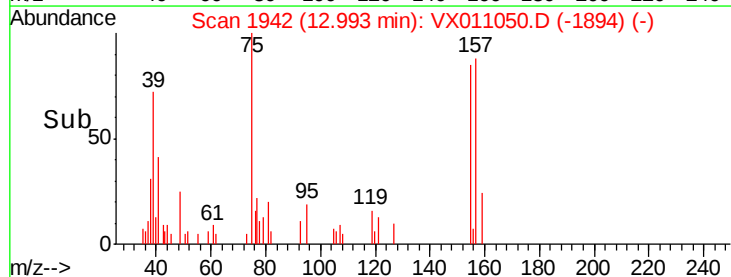
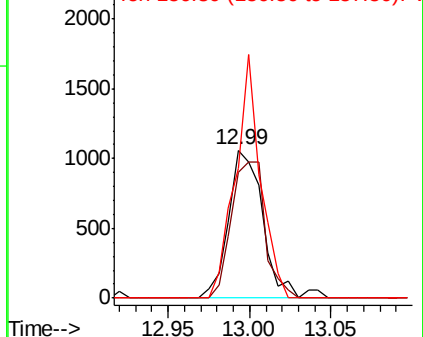


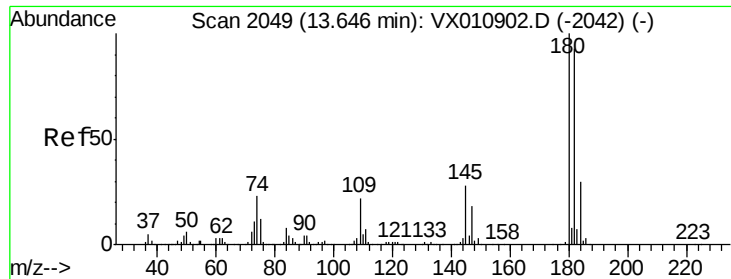
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.385 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Tgt Ion: 75 Resp: 1563
 Ion Ratio Lower Upper
 75 100
 155 90.1 48.7 146.1
 157 119.9 62.5 187.6



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

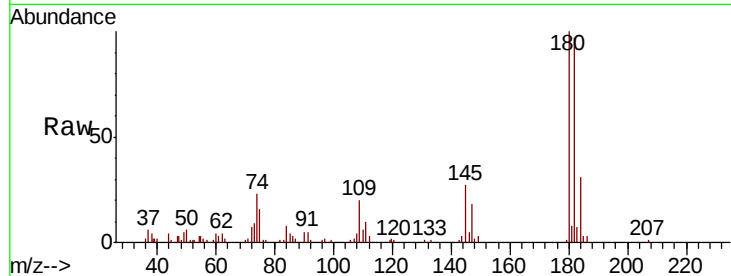




#93
 1,2,4-Trichlorobenzene
 Concen: 2.464 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.1	141.3
145	29.1	14.8	44.4

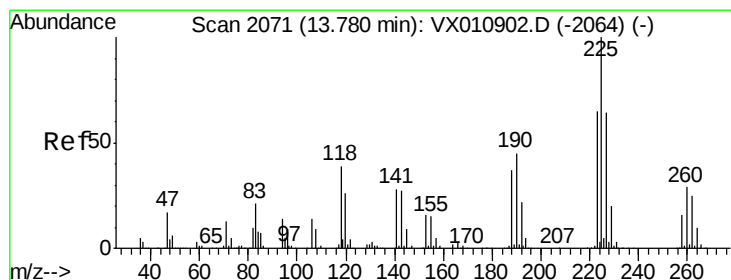
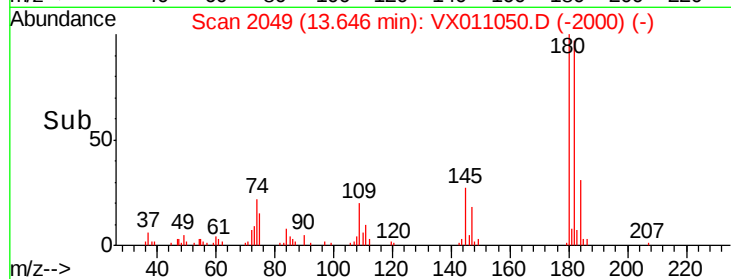
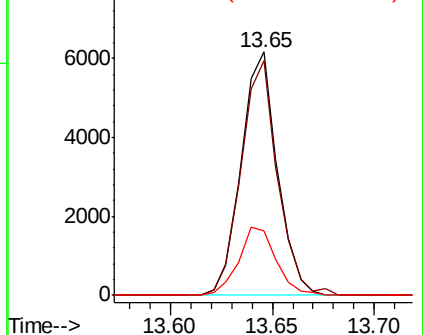


Abundance

Ion 179.80 (179.50 to 180.50): V

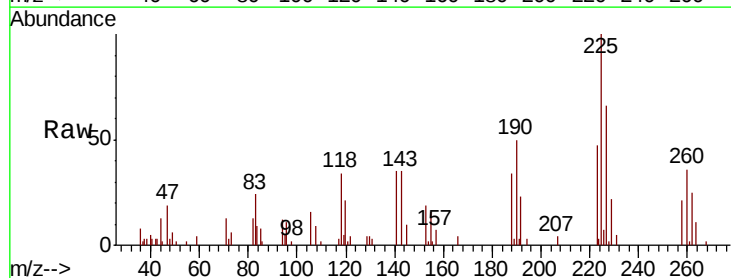
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 2.771 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011050.D
 Acq: 23 Jul 2019 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.0	31.9	95.9
227	59.5	32.5	97.4

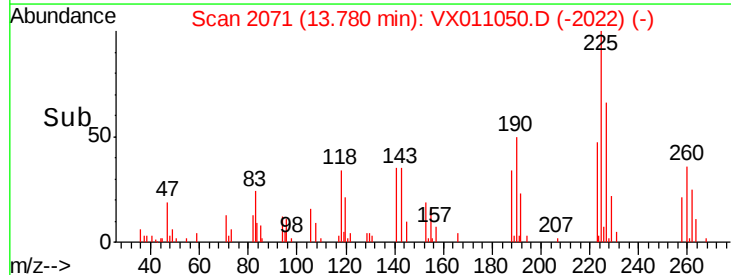
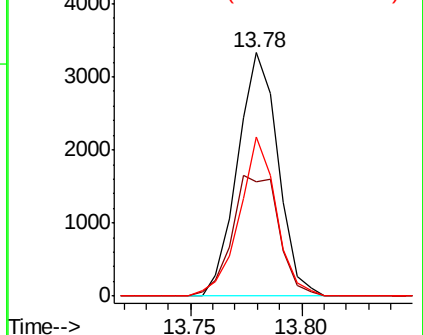


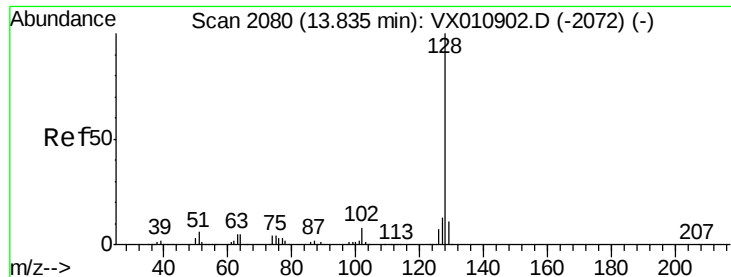
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

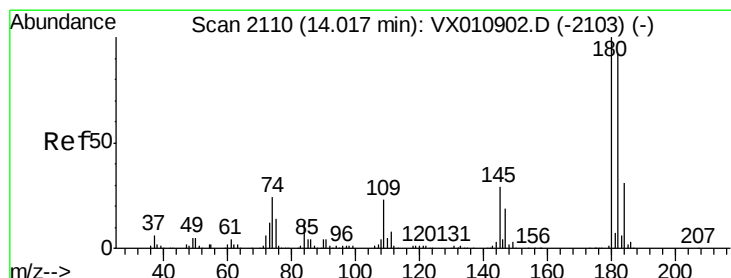
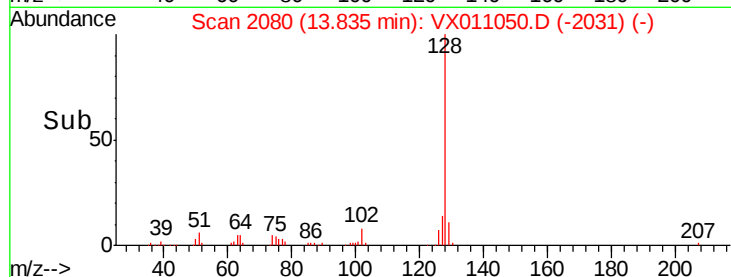
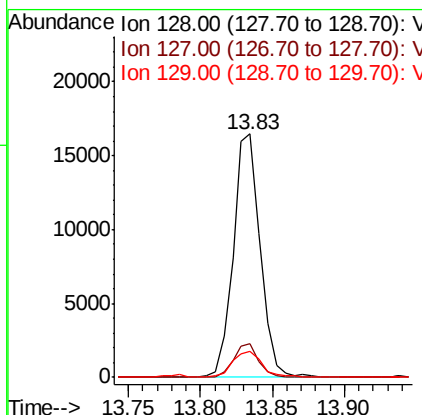
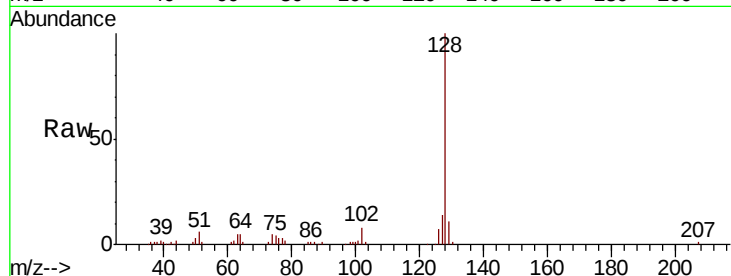




#95
Naphthalene
Concen: 2.367 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 21527
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.523 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011050.D
Acq: 23 Jul 2019 11:19

Tgt Ion:180 Resp: 7732
Ion Ratio Lower Upper
180 100
182 91.6 47.4 142.3
145 32.4 15.1 45.3

