

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010022.D
 Acq On : 01 Jun 2019 06:49
 Operator : JC/SP
 Sample : K3129-17MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Quant Time: Jun 03 00:42:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	146691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	241091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109522	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	100517	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	5.50	113	73152	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.71	98	296115	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.13	95	109956	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	95802	53.445	ug/l	100
3) Chloromethane	1.32	50	109079	45.264	ug/l	99
4) Vinyl Chloride	1.41	62	101702	46.816	ug/l	99
5) Bromomethane	1.64	94	55107	41.868	ug/l	99
6) Chloroethane	1.71	64	62533	46.761	ug/l	98
7) Trichlorofluoromethane	1.93	101	117628	49.000	ug/l	98
8) Diethyl Ether	2.19	74	52427	46.474	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68019	46.931	ug/l	98
10) Methyl Iodide	2.51	142	78555	44.351	ug/l	99
11) Tert butyl alcohol	3.05	59	126875	248.798	ug/l	99
12) 1,1-Dichloroethene	2.37	96	74521	50.163	ug/l	98
13) Acrolein	2.29	56	80665	225.424	ug/l	99
14) Allyl chloride	2.73	41	171615	47.530	ug/l	100
15) Acrylonitrile	3.14	53	305634	248.743	ug/l	99
16) Acetone	2.45	43	267880	223.749	ug/l	98
17) Carbon Disulfide	2.57	76	217036	48.261	ug/l	99
18) Methyl Acetate	2.78	43	128133	45.995	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	286737	51.124	ug/l	99
20) Methylene Chloride	2.85	84	90801	49.526	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	80031	48.417	ug/l	99
22) Diisopropyl ether	3.85	45	345871	50.345	ug/l	93
23) Vinyl Acetate	3.82	43	1386809	224.703	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167726	50.378	ug/l	99
25) 2-Butanone	4.67	43	456247	244.601	ug/l	100
26) 2,2-Dichloropropane	4.58	77	71788	28.504	ug/l	# 70
27) cis-1,2-Dichloroethene	4.60	96	326039	170.874	ug/l	89
28) Bromochloromethane	5.01	49	82292	47.631	ug/l	97
29) Tetrahydrofuran	5.13	42	301564	252.117	ug/l	99
30) Chloroform	5.21	83	153367	51.078	ug/l	100
31) Cyclohexane	5.58	56	154747	49.074	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	127990	52.341	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114932	46.985	ug/l	99
37) Ethyl Acetate	4.84	43	154677	45.381	ug/l	100
38) Carbon Tetrachloride	5.79	117	107783	50.990	ug/l	99

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 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	133851	46.130	ug/l	99
40) Benzene	6.14	78	359764	49.579	ug/l	99
41) Methacrylonitrile	5.04	41	97190	48.799	ug/l	99
42) 1,2-Dichloroethane	6.19	62	132753	49.486	ug/l	99
43) Isopropyl Acetate	6.45	43	255826	46.517	ug/l	99
44) Trichloroethene	7.21	130	86538	49.097	ug/l	98
45) 1,2-Dichloropropane	7.51	63	102490	49.065	ug/l	95
46) Dibromomethane	7.66	93	58818	47.837	ug/l	97
47) Bromodichloromethane	7.90	83	119888	51.275	ug/l	100
48) Methyl methacrylate	7.77	41	137412	50.473	ug/l	99
49) 1,4-Dioxane	7.74	88	49618	979.799	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	909956	254.351	ug/l	100
52) Toluene	8.79	92	221654	50.309	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	131063	46.739	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	141941	46.458	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	89837	50.661	ug/l	98
56) Ethyl methacrylate	9.18	69	166319	52.683	ug/l	100
57) 1,3-Dichloropropane	9.37	76	156359	49.098	ug/l	99
59) 2-Hexanone	9.49	43	706919	256.653	ug/l	99
60) Dibromochloromethane	9.58	129	91627	52.527	ug/l	100
61) 1,2-Dibromoethane	9.67	107	92616	50.838	ug/l	99
64) Tetrachloroethene	9.34	164	74563	47.863	ug/l	95
65) Chlorobenzene	10.14	112	231639	49.611	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	84135	51.953	ug/l	99
67) Ethyl Benzene	10.25	91	424947	50.689	ug/l	99
68) m/p-Xylenes	10.36	106	311107	100.449	ug/l	99
69) o-Xylene	10.69	106	153090	51.540	ug/l	98
70) Styrene	10.71	104	270632	51.960	ug/l	99
71) Bromoform	10.85	173	72675	54.901	ug/l	97
73) Isopropylbenzene	11.02	105	403071	49.880	ug/l	99
74) N-amyl acetate	10.90	43	223918	46.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	152967	50.740	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	170804	65.217	ug/l	81
77) Bromobenzene	11.26	156	103967	50.485	ug/l	95
78) n-propylbenzene	11.36	91	460931	49.486	ug/l	99
79) 2-Chlorotoluene	11.42	91	278862	49.002	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	342647	50.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	44197	41.753	ug/l	100
82) 4-Chlorotoluene	11.51	91	323413	48.819	ug/l	99
83) tert-Butylbenzene	11.77	119	335204	51.467	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	344676	49.855	ug/l	100
85) sec-Butylbenzene	11.94	105	387906	50.063	ug/l	100
86) p-Isopropyltoluene	12.06	119	353372	50.703	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	181161	49.412	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182863	48.906	ug/l	98
89) n-Butylbenzene	12.38	91	310511	47.408	ug/l	99
90) Hexachloroethane	12.60	117	62039	51.870	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	184889	51.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34639	48.814	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	127531	49.370	ug/l	99

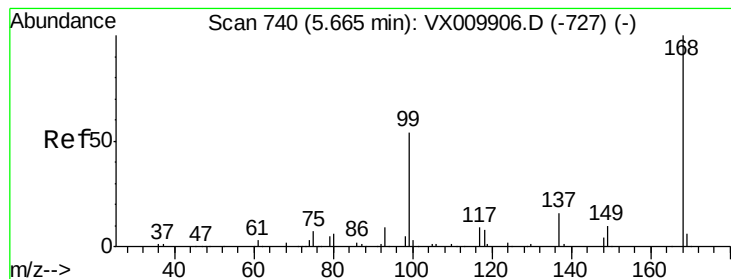
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Quant Time: Jun 03 00:42:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	60850	46.965	ug/l	99
95) Naphthalene	13.83	128	413521	51.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	128400	49.658	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

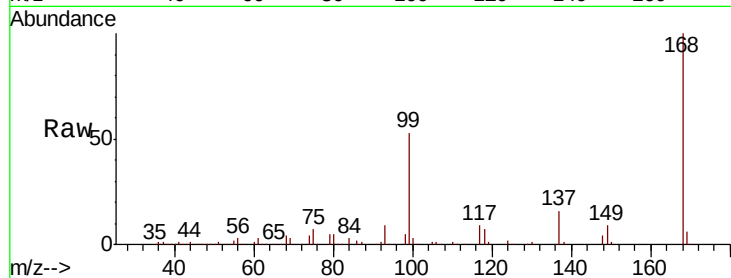
LF012MW004-190528MSD

Tot Ion:168 Resp: 146691

Ion Ratio Lower Upper

168 100

99 52.5 43.0 64.6

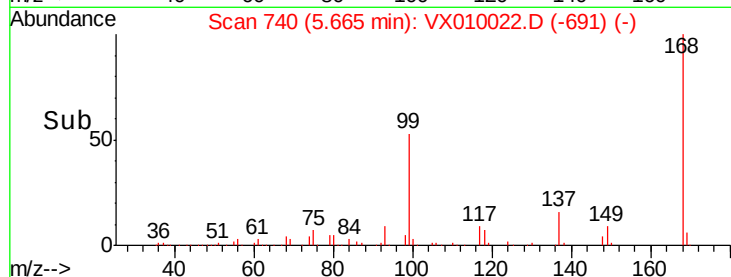


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



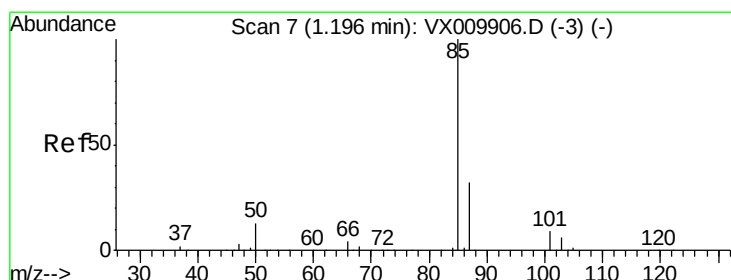
Abundance

Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 53.445 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010022.D

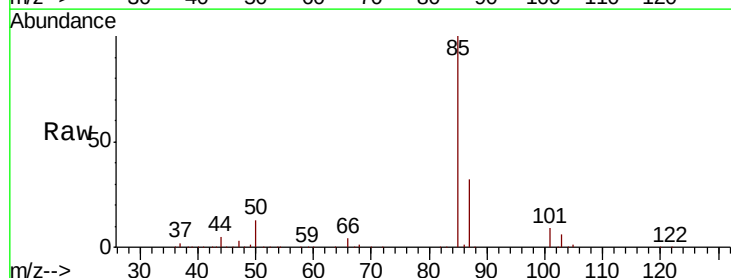
Acq: 01 Jun 2019 06:49

Tgt Ion: 85 Resp: 95802

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2

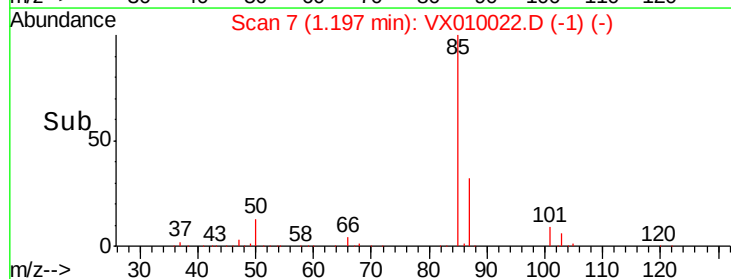


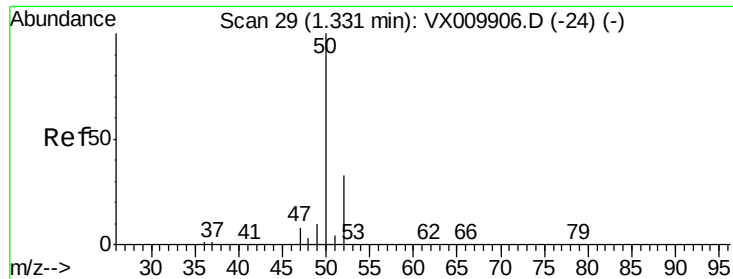
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 45.264 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

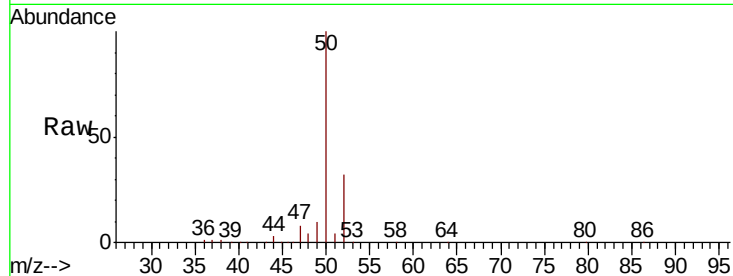
LF012MW004-190528MSD

Tot Ion: 50 Resp: 109079

Ion Ratio Lower Upper

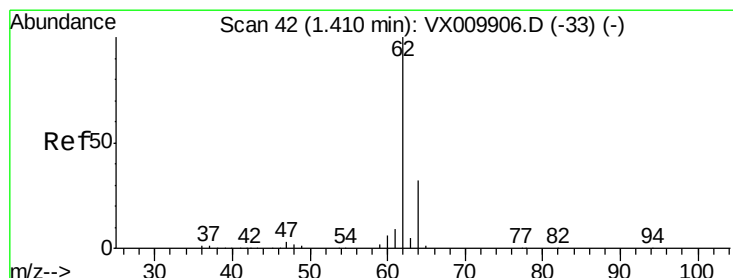
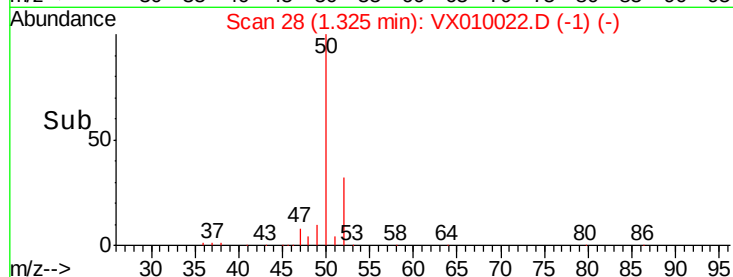
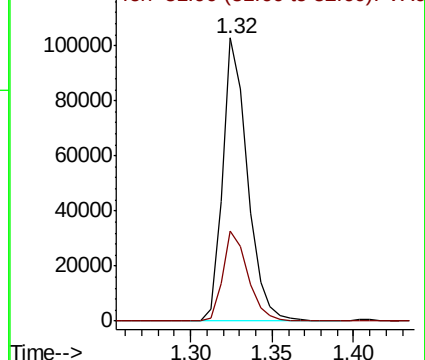
50 100

52 32.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.816 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010022.D

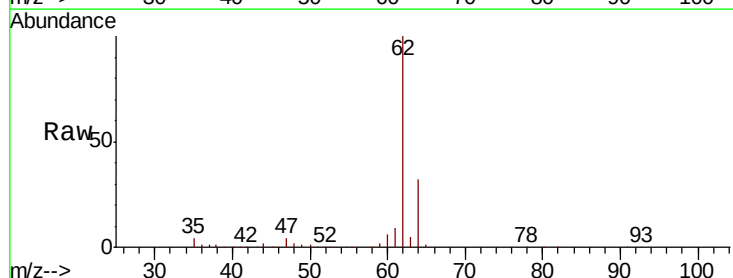
Acq: 01 Jun 2019 06:49

Tgt Ion: 62 Resp: 101702

Ion Ratio Lower Upper

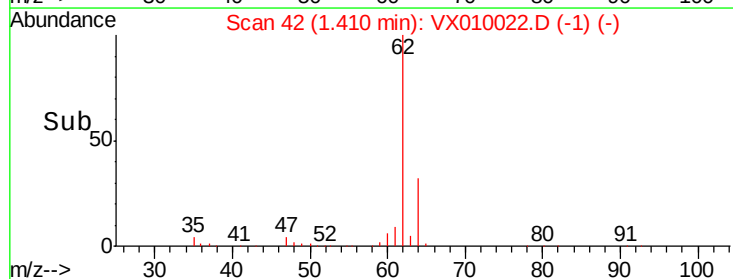
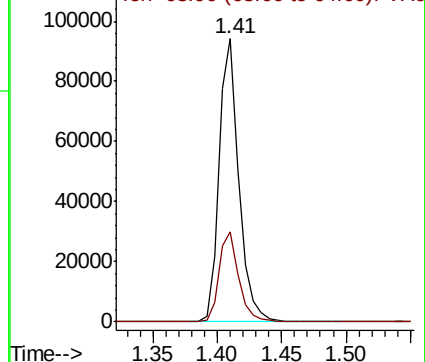
62 100

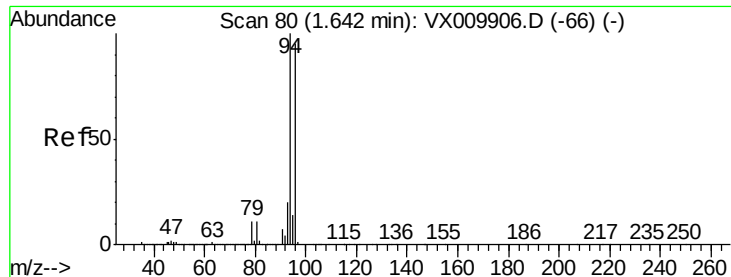
64 31.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.868 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

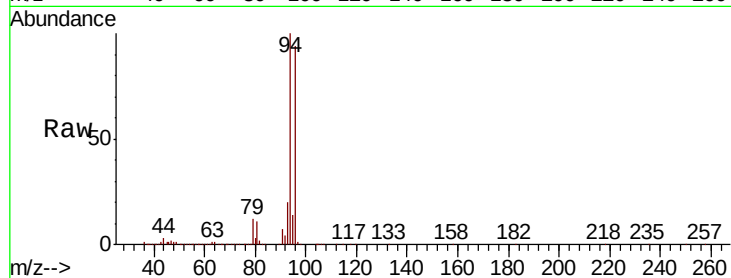
LF012MW004-190528MSD

Tot Ion: 94 Resp: 55107

Ion Ratio Lower Upper

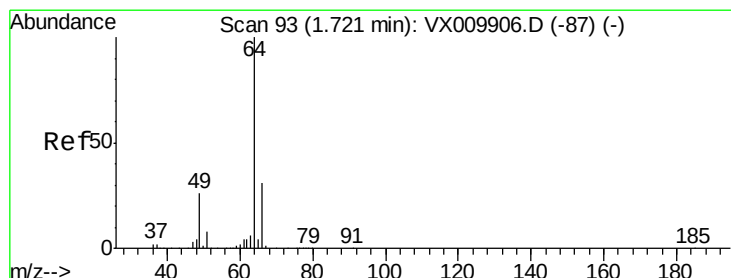
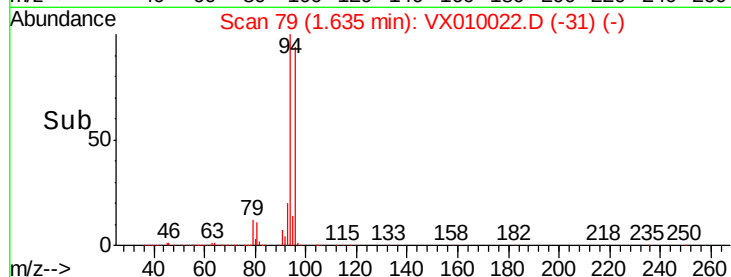
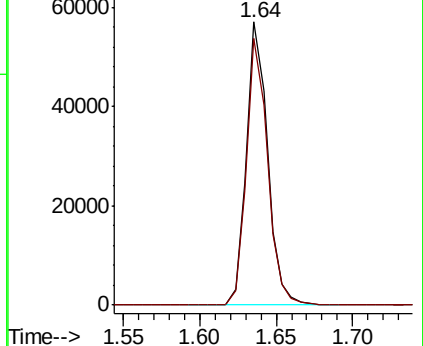
94 100

96 94.3 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.761 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010022.D

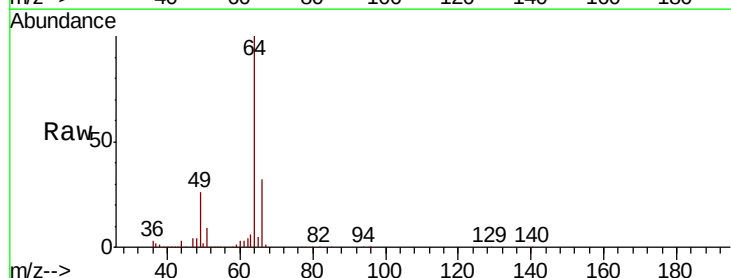
Acq: 01 Jun 2019 06:49

Tgt Ion: 64 Resp: 62533

Ion Ratio Lower Upper

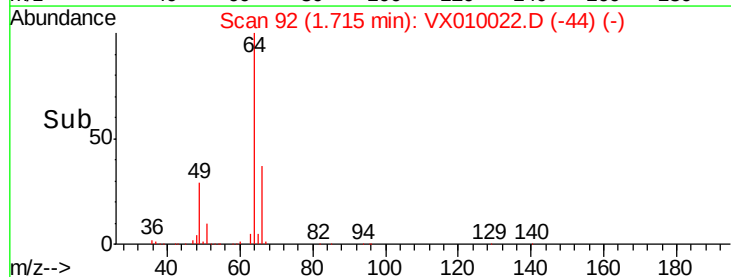
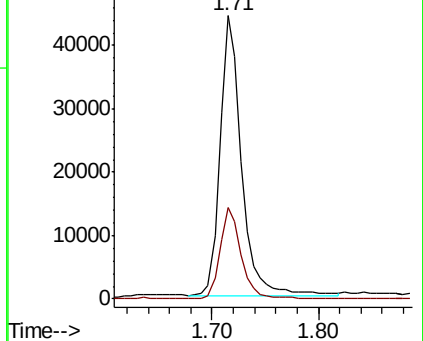
64 100

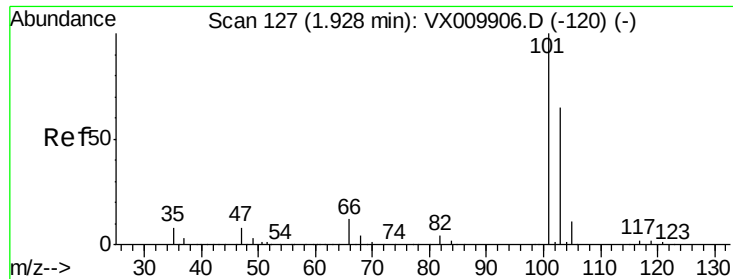
66 32.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



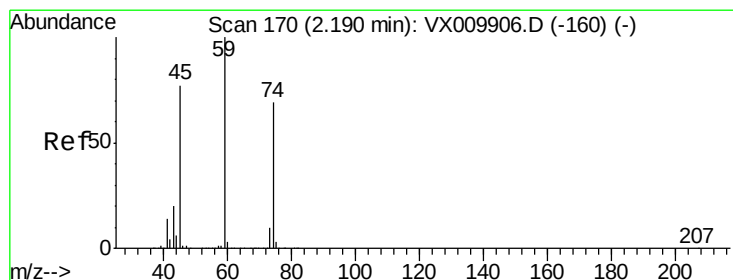
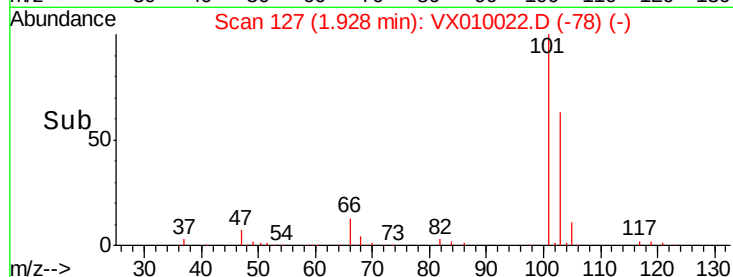
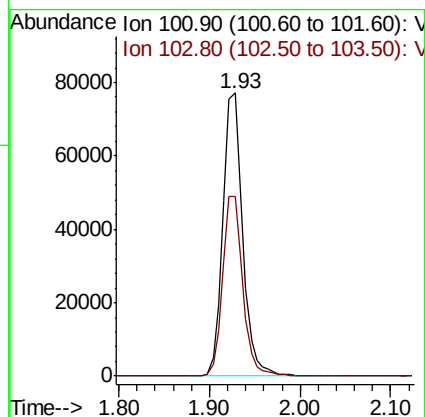
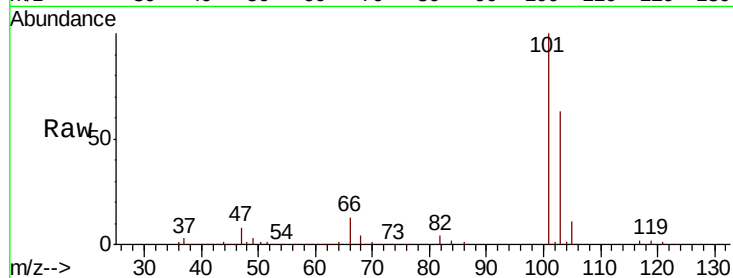


#7

Trichlorofluoromethane
Concen: 49.000 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
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ClientSampleId :
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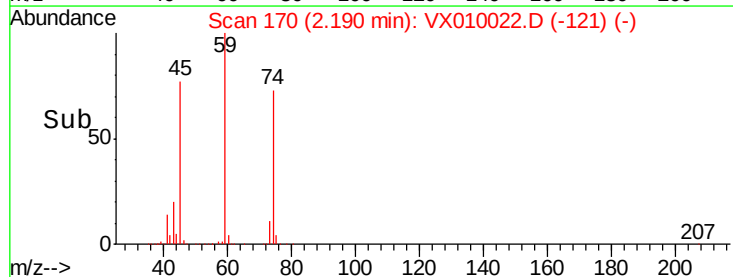
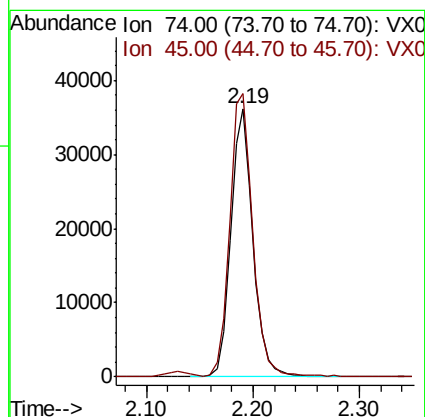
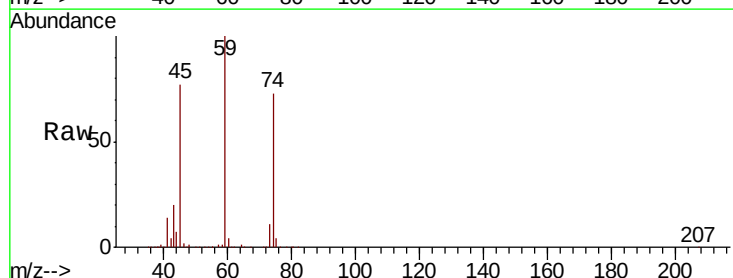
Tot Ion:101 Resp: 117628
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4

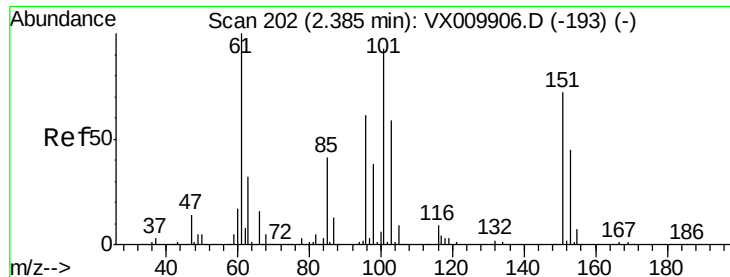


#8

Diethyl Ether
Concen: 46.474 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion: 74 Resp: 52427
Ion Ratio Lower Upper
74 100
45 109.0 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.931 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

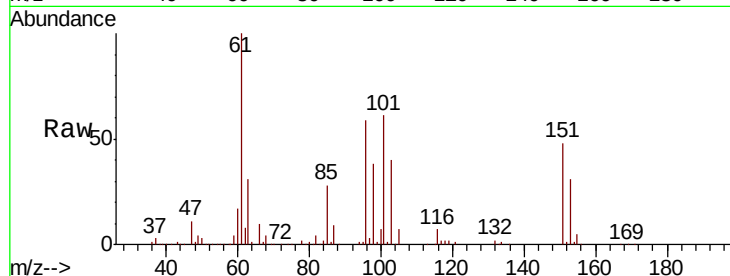
Tot Ion:101 Resp: 68019

Ion Ratio Lower Upper

101 100

85 44.3 35.2 52.8

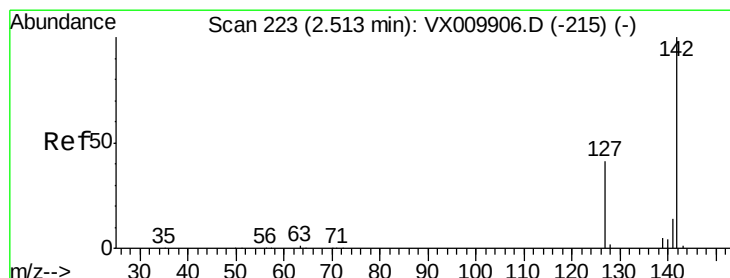
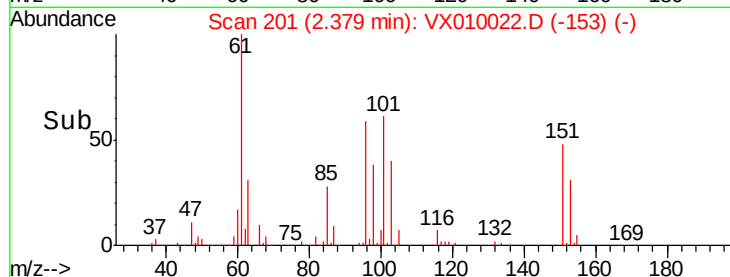
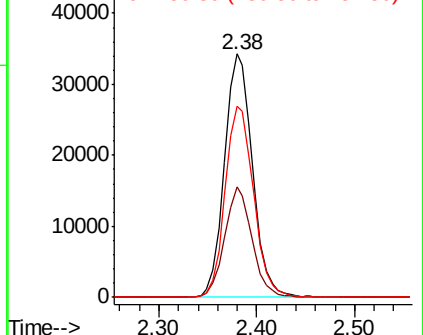
151 79.9 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.351 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

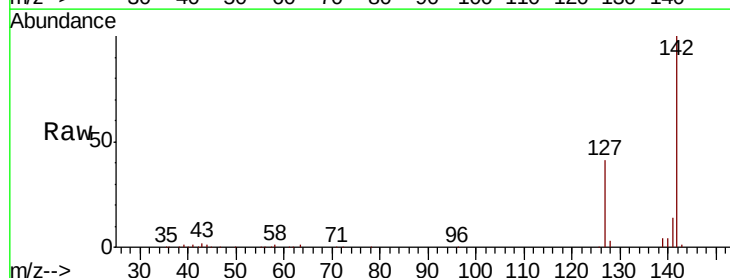
Tgt Ion:142 Resp: 78555

Ion Ratio Lower Upper

142 100

127 41.6 33.0 49.4

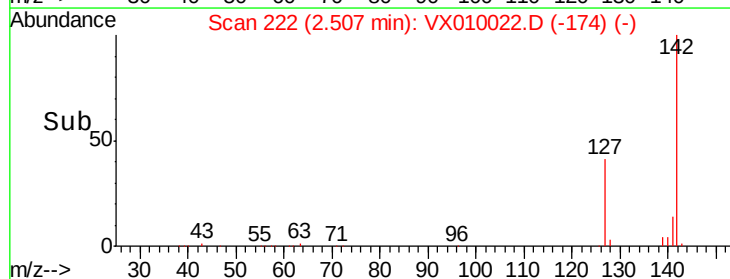
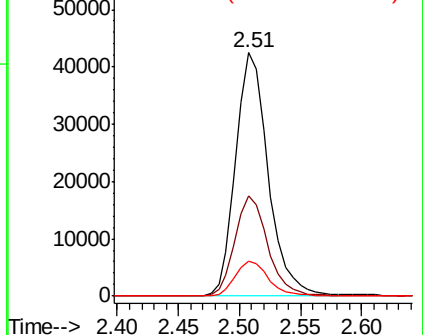
141 14.6 11.4 17.0

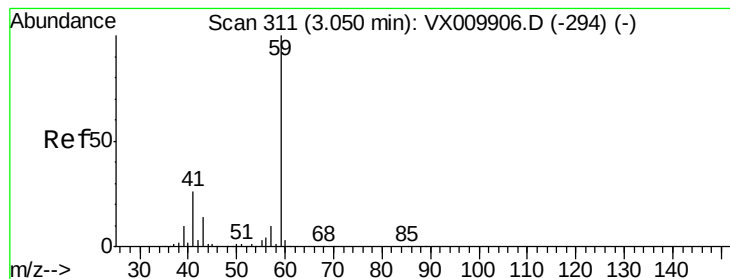


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



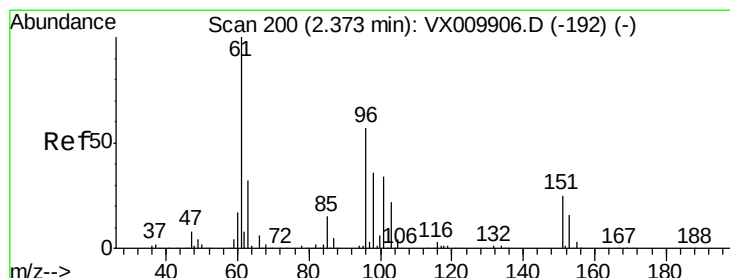
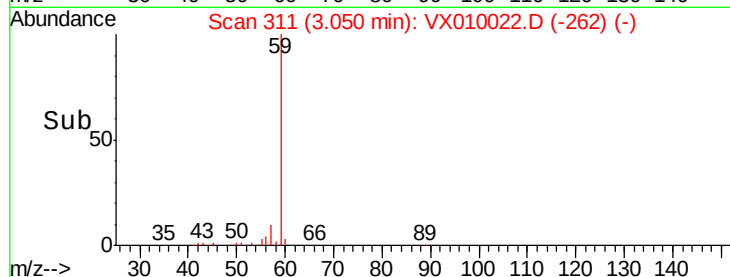
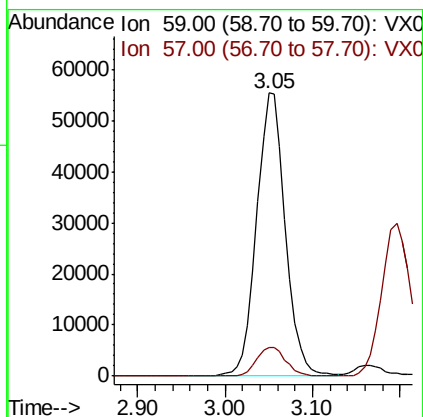
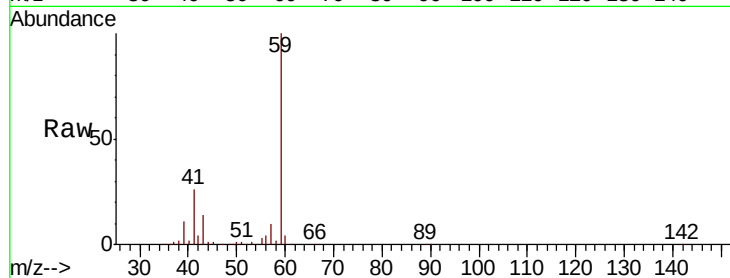


#11

Tert butyl alcohol
 Concen: 248.798 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

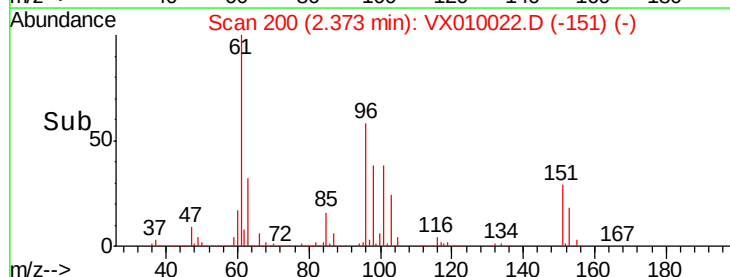
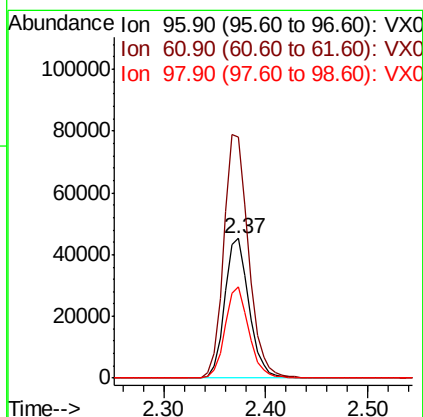
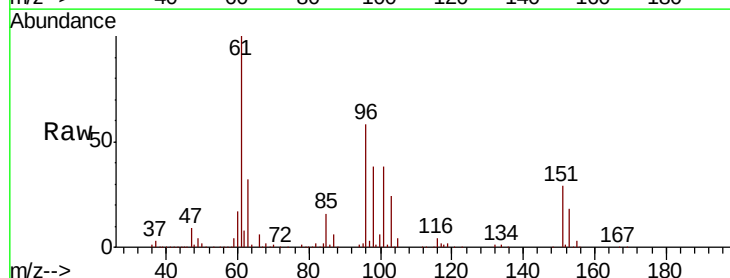
Tot Ion: 59 Resp: 126875
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

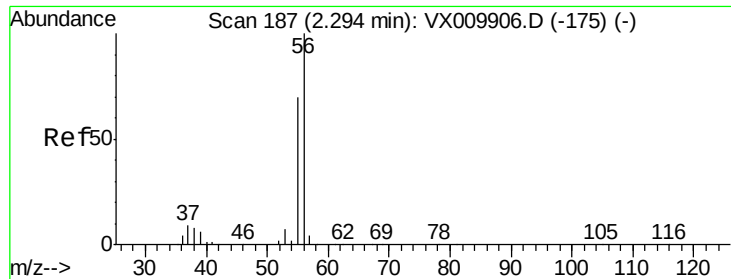


#12

1,1-Dichloroethene
 Concen: 50.163 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 96 Resp: 74521
 Ion Ratio Lower Upper
 96 100
 61 173.2 140.7 211.1
 98 65.6 50.1 75.1





#13

Acrolein

Concen: 225.424 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

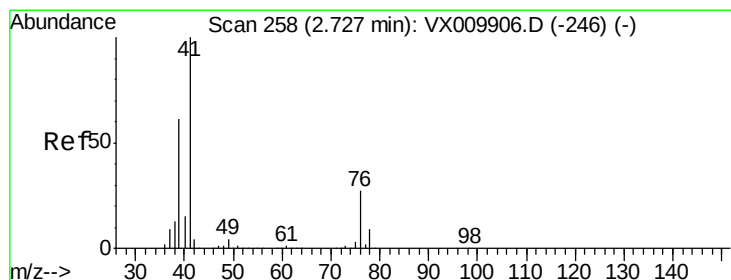
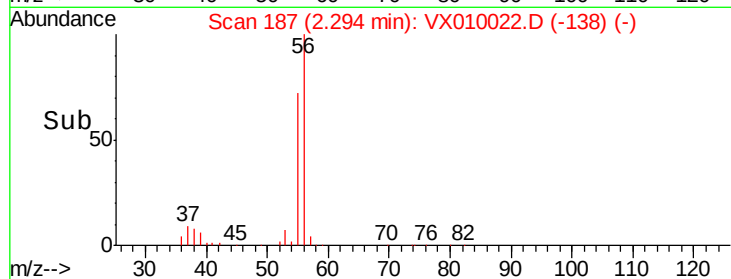
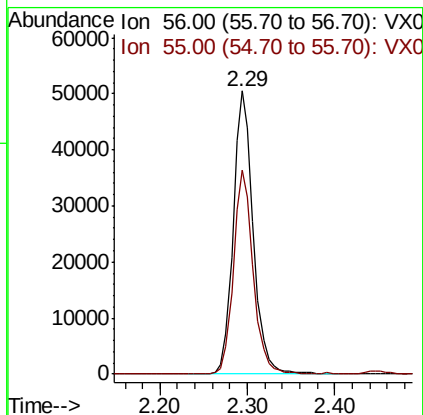
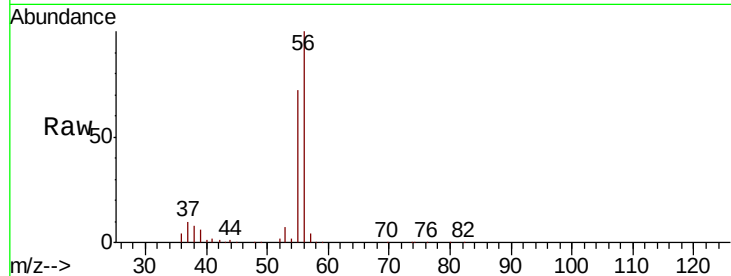
LF012MW004-190528MSD

Tot Ion: 56 Resp: 80665

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.4



#14

Allyl chloride

Concen: 47.530 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

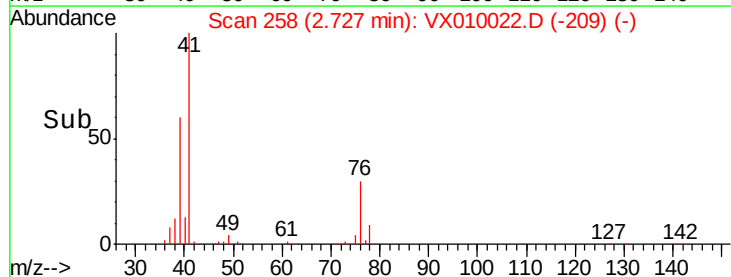
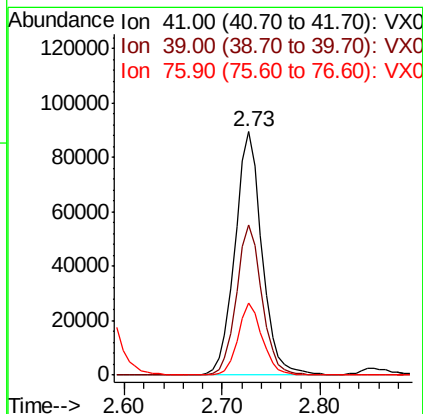
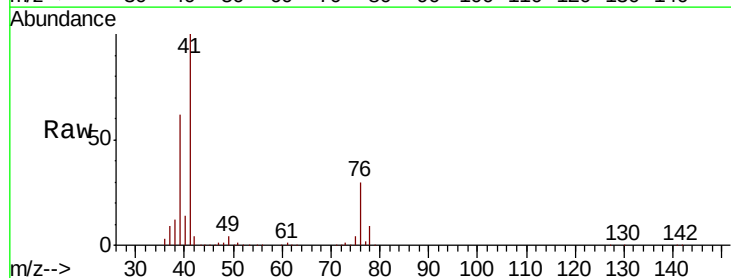
Tgt Ion: 41 Resp: 171615

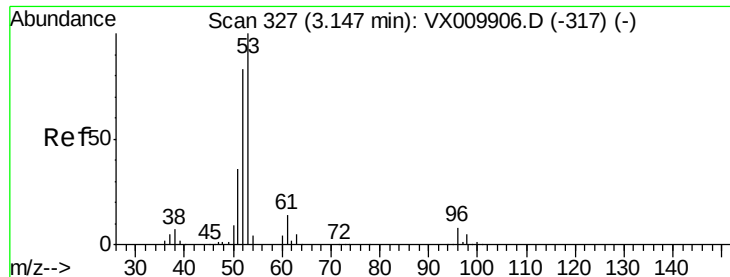
Ion Ratio Lower Upper

41 100

39 58.2 46.7 70.1

76 26.2 21.0 31.4





#15

Acrylonitrile

Concen: 248.743 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

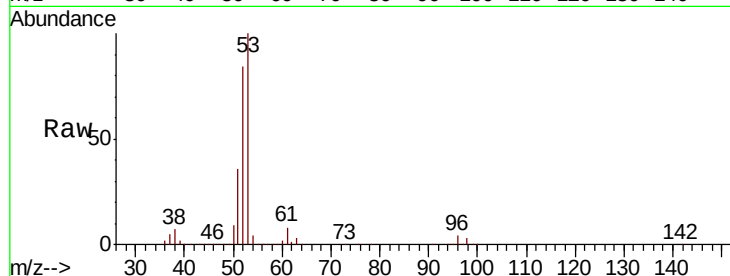
Tot Ion: 53 Resp: 305634

Ion Ratio Lower Upper

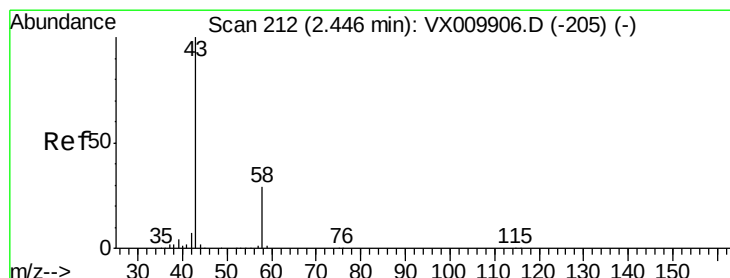
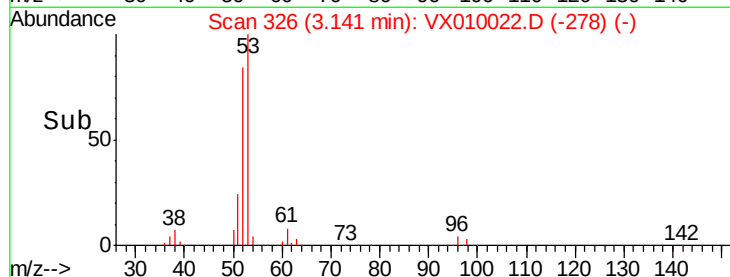
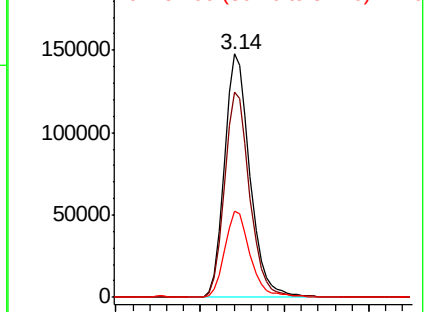
53 100

52 83.9 66.7 100.1

51 35.6 28.8 43.2



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



#16

Acetone

Concen: 223.749 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010022.D

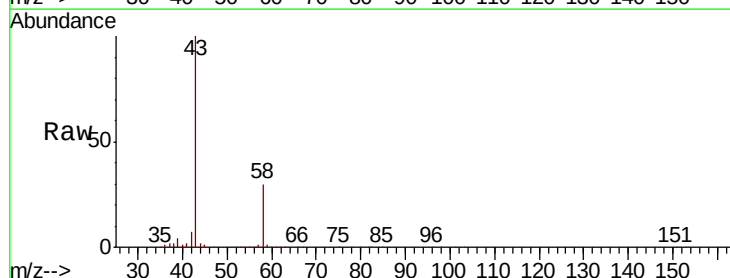
Acq: 01 Jun 2019 06:49

Tgt Ion: 43 Resp: 267880

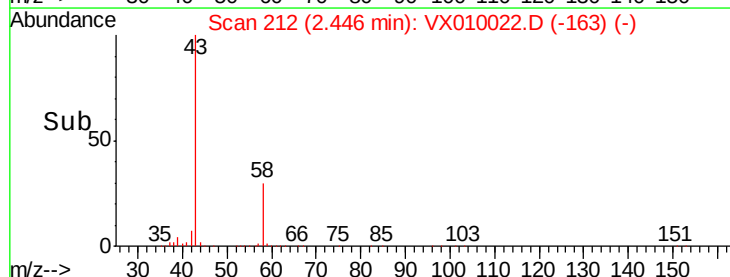
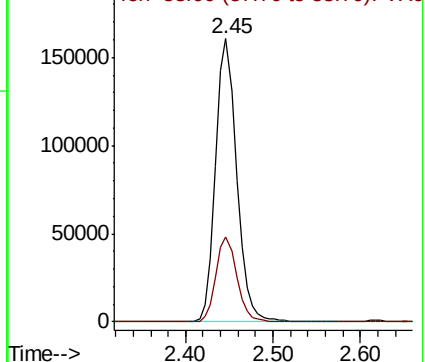
Ion Ratio Lower Upper

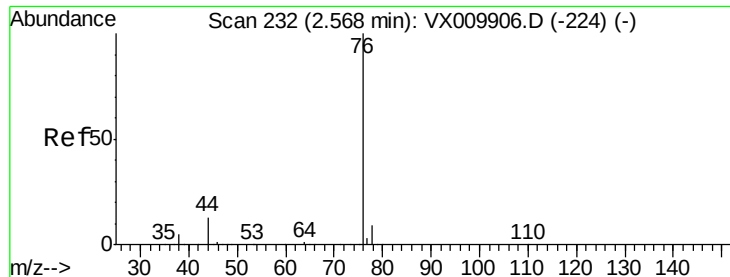
43 100

58 30.0 23.2 34.8



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





#17

Carbon Disulfide

Concen: 48.261 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

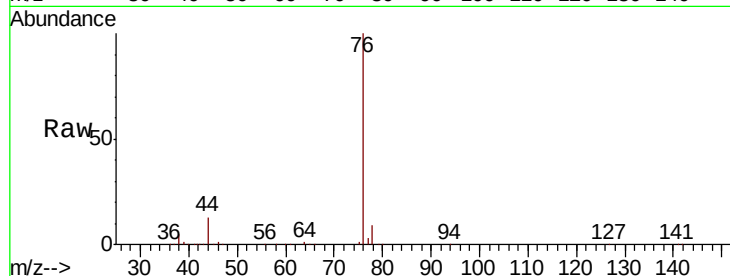
LF012MW004-190528MSD

Tot Ion: 76 Resp: 217036

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

100000

50000

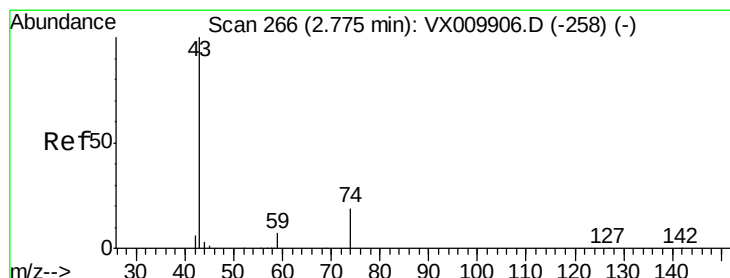
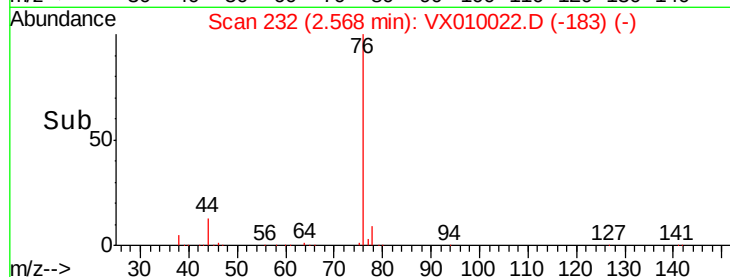
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 45.995 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010022.D

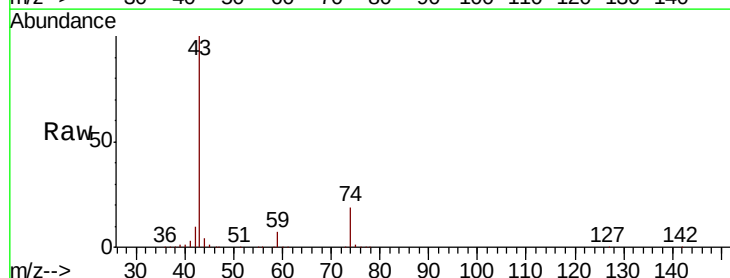
Acq: 01 Jun 2019 06:49

Tgt Ion: 43 Resp: 128133

Ion Ratio Lower Upper

43 100

74 19.7 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

60000

40000

20000

0

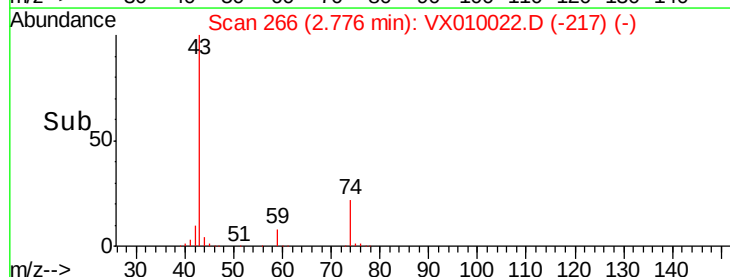
Time-->

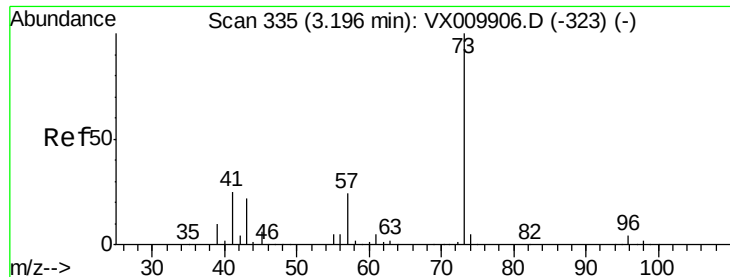
2.70

2.75

2.80

2.85



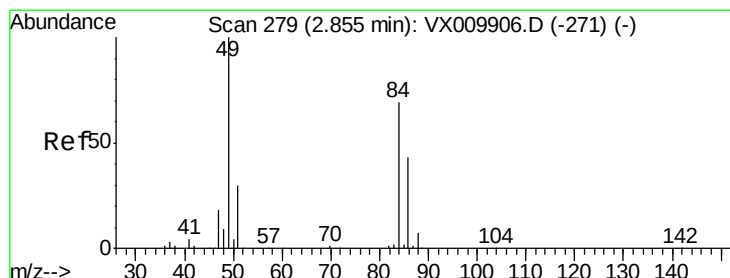
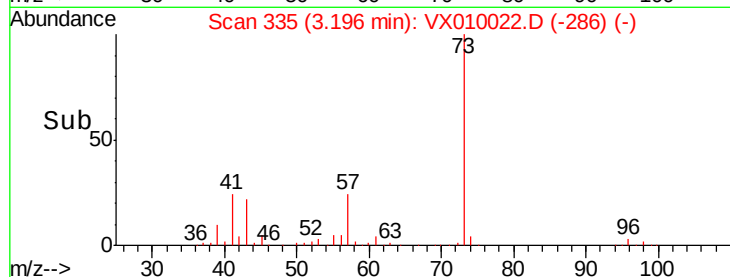
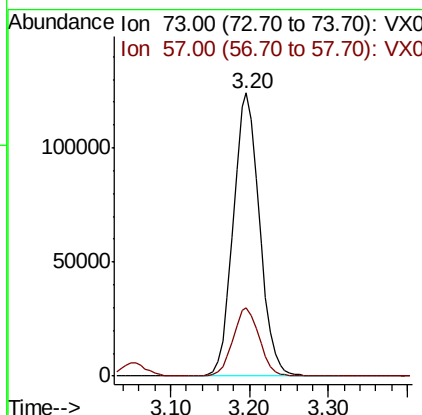
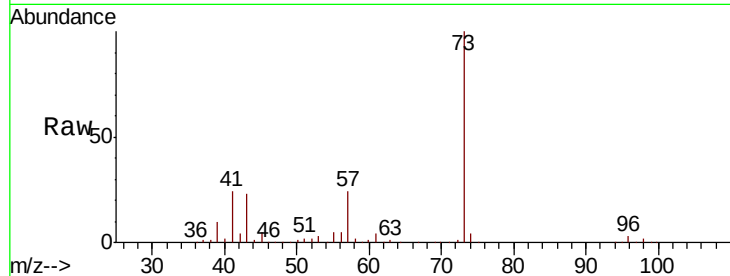


#19

Methyl tert-butyl Ether
 Concen: 51.124 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

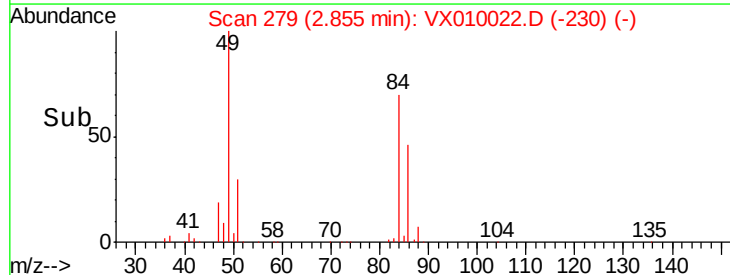
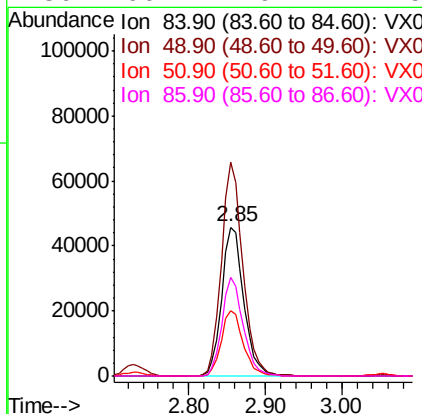
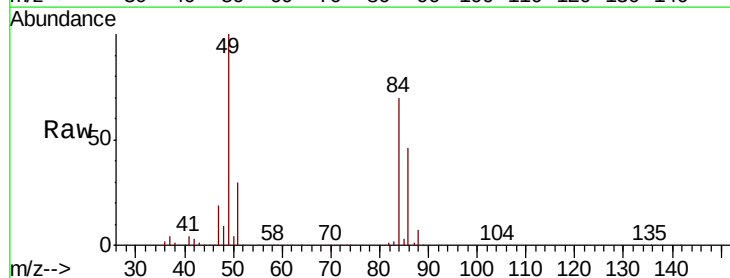
Tot Ion: 73 Resp: 286737
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.4 29.2

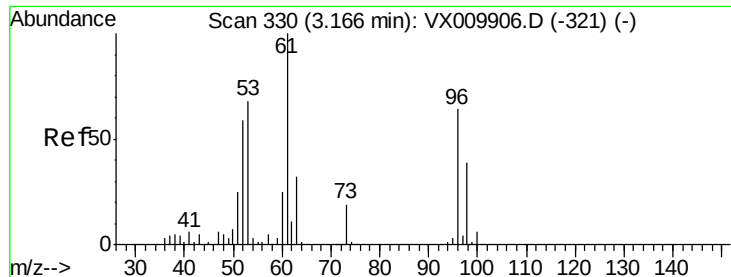


#20

Methylene Chloride
 Concen: 49.526 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 84 Resp: 90801
 Ion Ratio Lower Upper
 84 100
 49 143.2 115.8 173.6
 51 43.6 34.4 51.6
 86 66.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 48.417 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

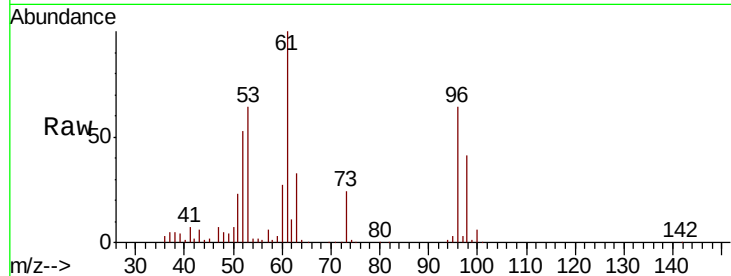
Tot Ion: 96 Resp: 80031

Ion Ratio Lower Upper

96 100

61 156.2 125.7 188.5

98 63.8 49.0 73.6

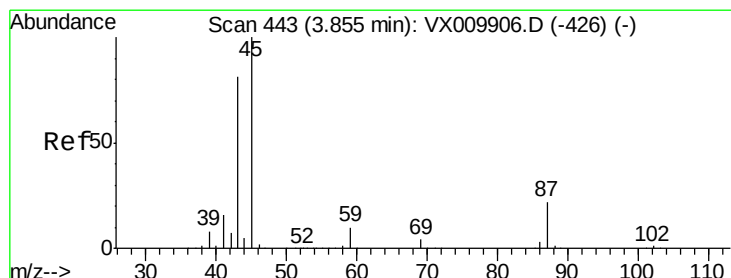
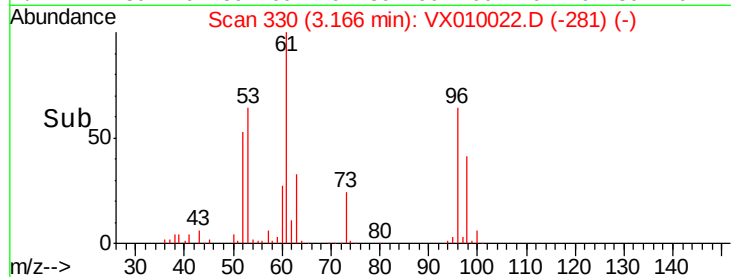
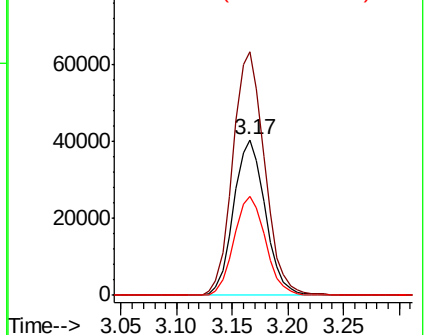


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.345 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion: 45 Resp: 345871

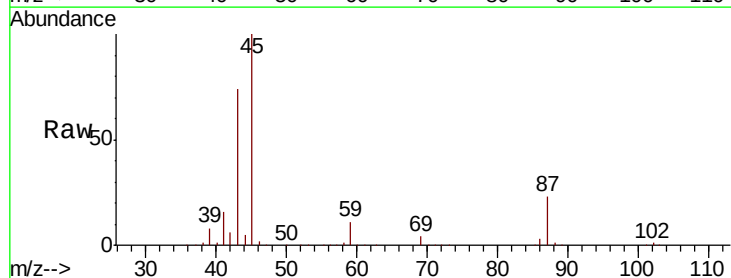
Ion Ratio Lower Upper

45 100

43 73.8 65.0 97.4

87 23.3 17.3 25.9

59 10.5 8.1 12.1



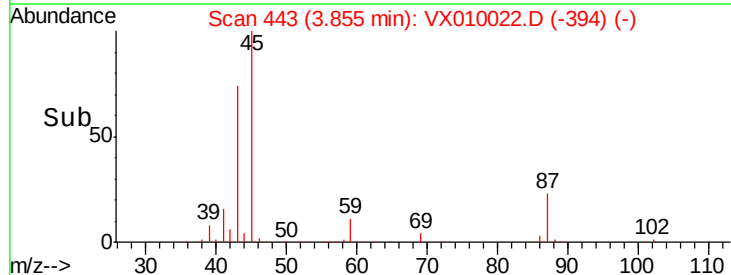
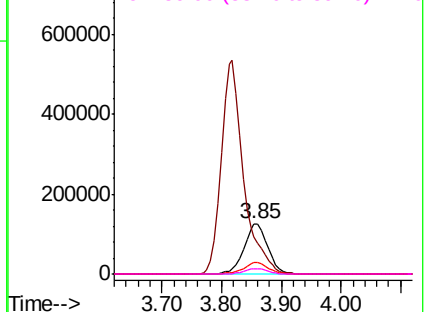
Abundance

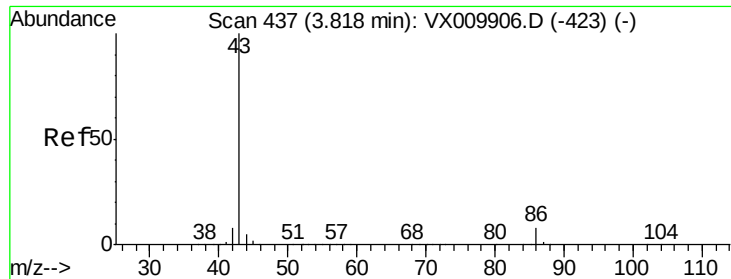
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 224.703 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

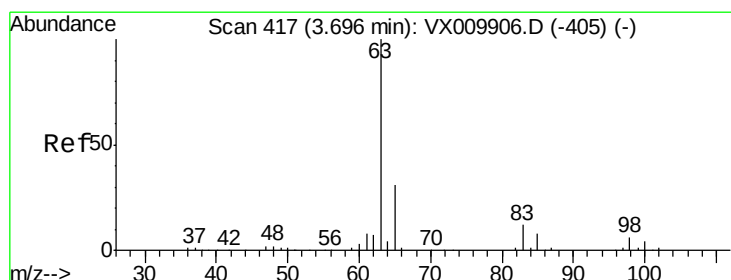
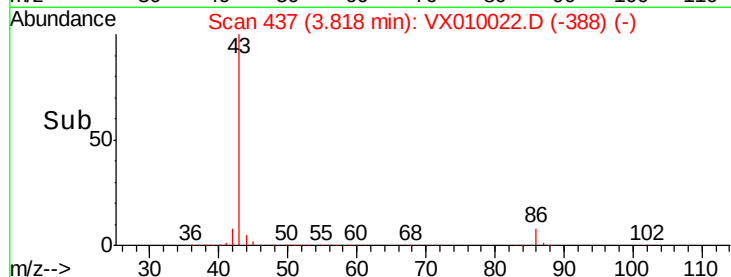
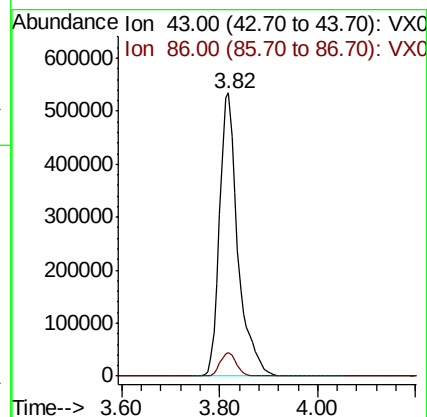
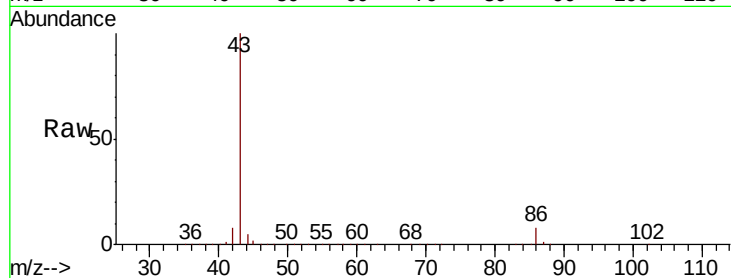
LF012MW004-190528MSD

Tot Ion: 43 Resp: 1386809

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 50.378 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

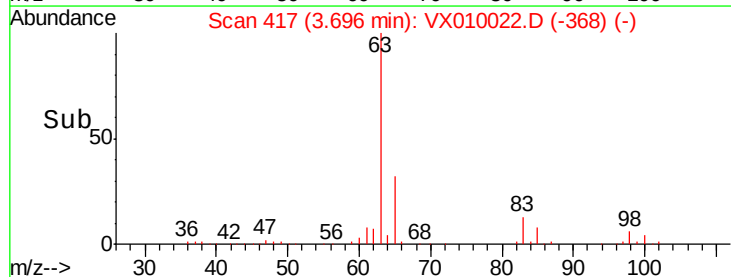
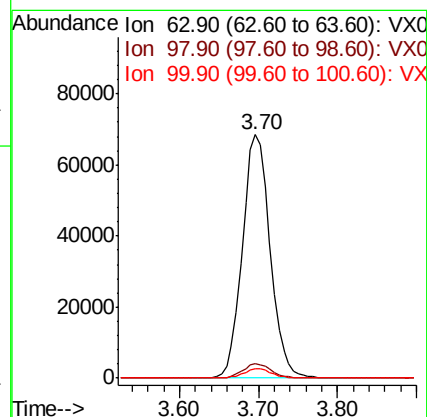
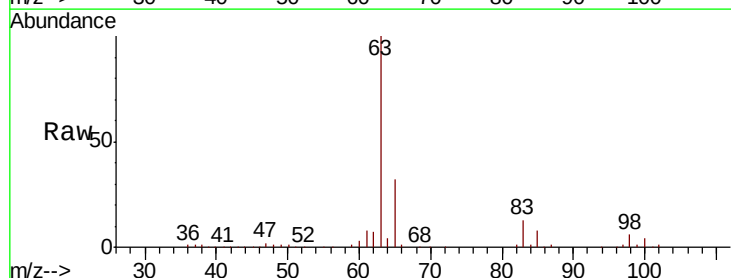
Tgt Ion: 63 Resp: 167726

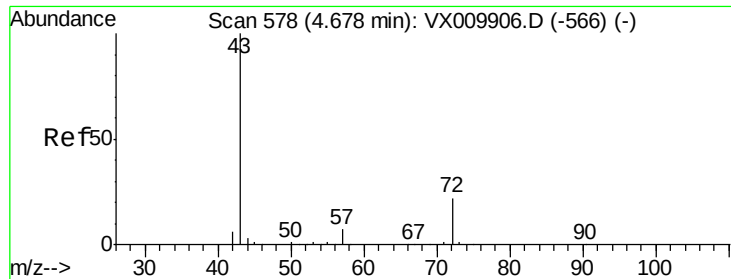
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 244.601 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

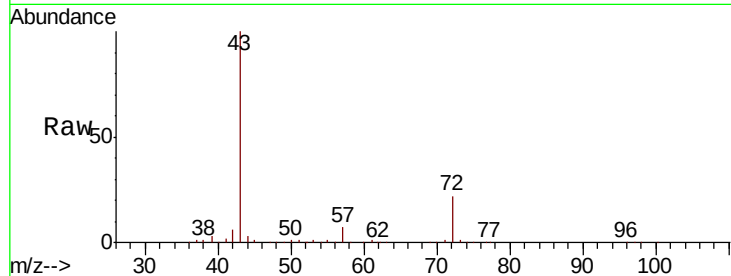
LF012MW004-190528MSD

Tot Ion: 43 Resp: 456247

Ion Ratio Lower Upper

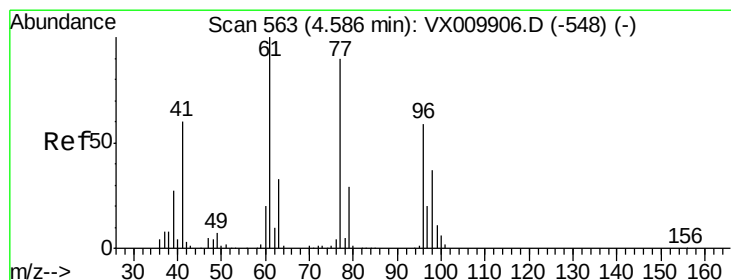
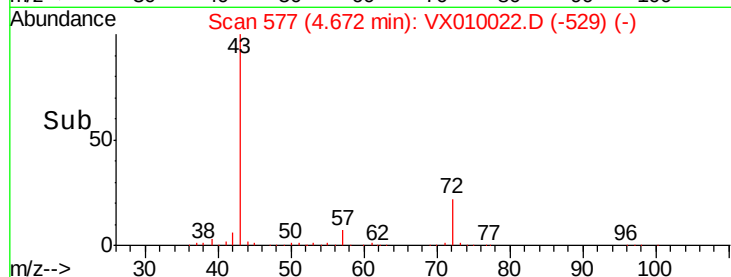
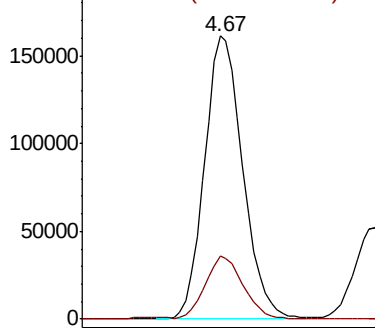
43 100

72 22.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 28.504 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010022.D

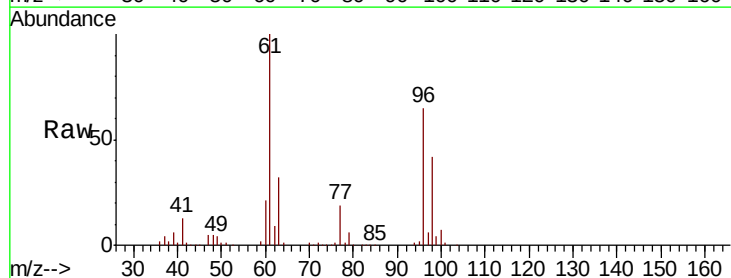
Acq: 01 Jun 2019 06:49

Tgt Ion: 77 Resp: 71788

Ion Ratio Lower Upper

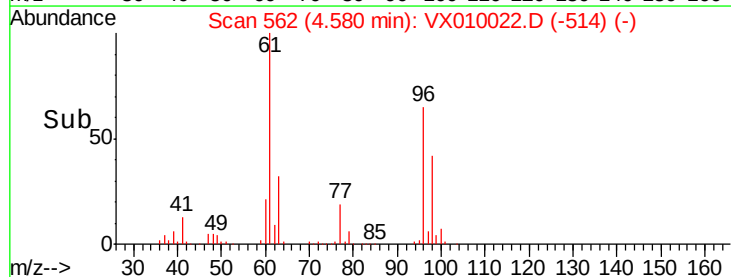
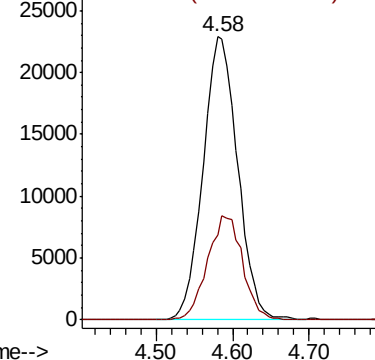
77 100

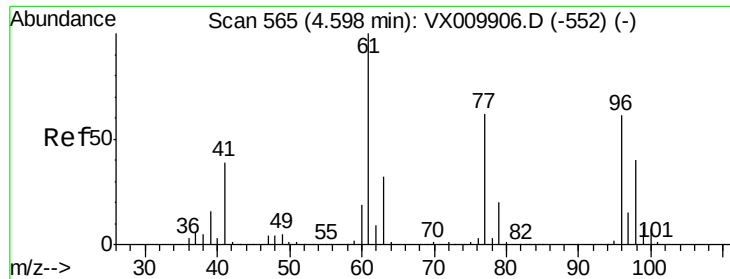
97 37.3 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



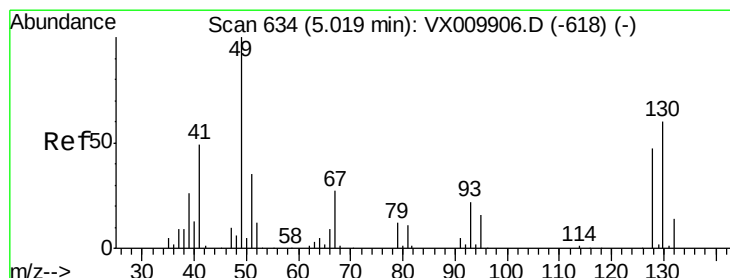
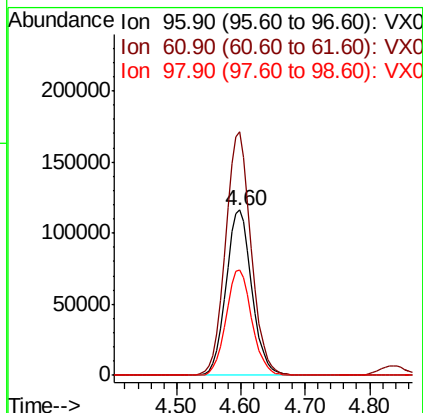
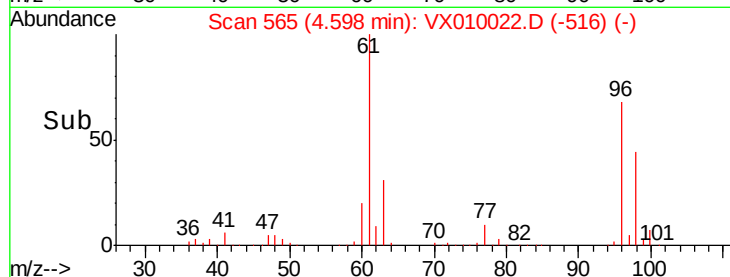
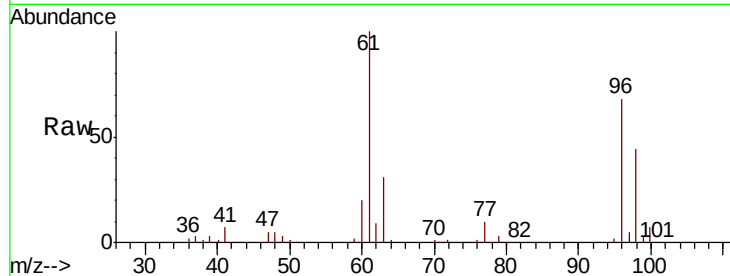


#27

cis-1,2-Dichloroethene
Concen: 170.874 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

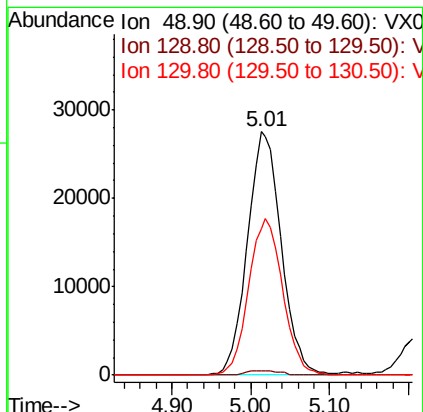
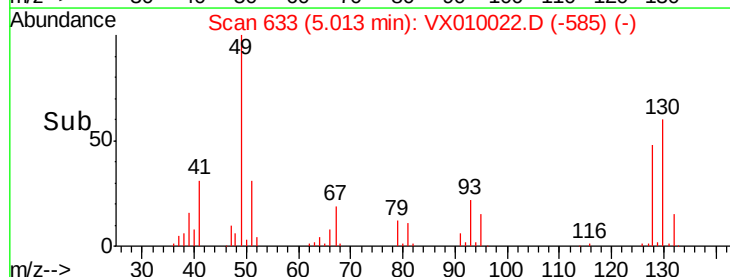
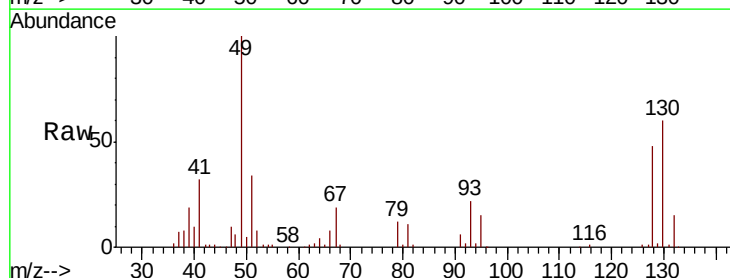
Tot Ion: 96 Resp: 326039
Ion Ratio Lower Upper
96 100
61 146.8 0.0 334.0
98 64.1 0.0 131.6

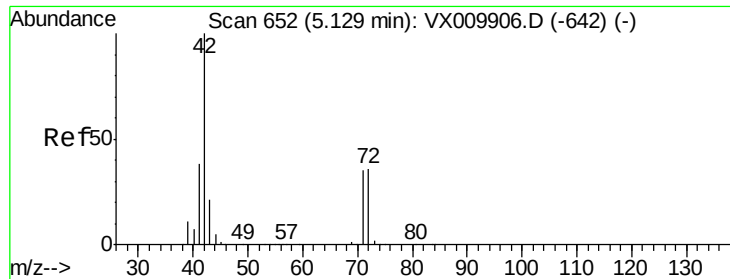


#28

Bromochloromethane
Concen: 47.631 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion: 49 Resp: 82292
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.4
130 64.3 49.4 74.2





#29

Tetrahydrofuran

Concen: 252.117 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

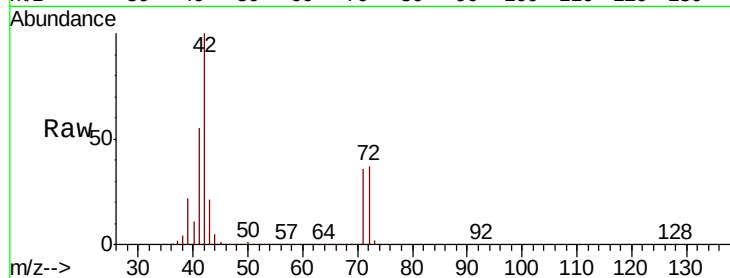
Tot Ion: 42 Resp: 301564

Ion Ratio Lower Upper

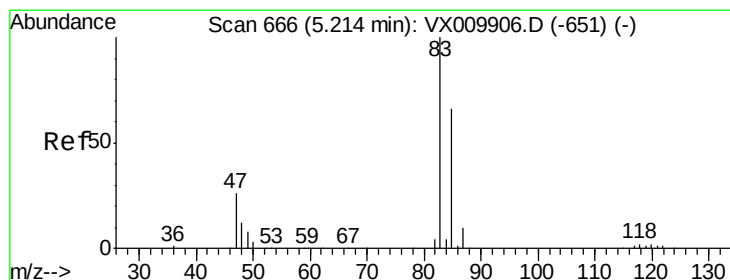
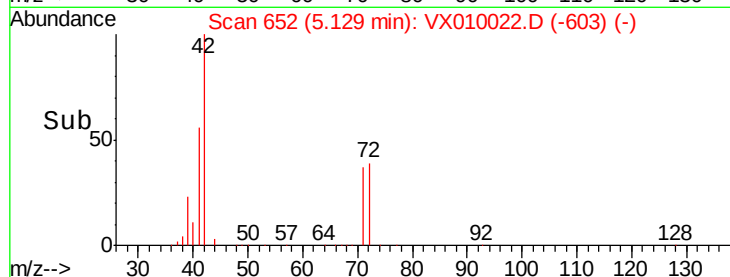
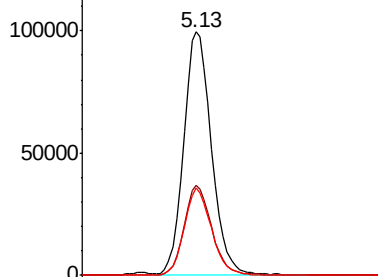
42 100

72 37.0 29.2 43.8

71 35.2 27.6 41.4



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: 51.078 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX010022.D

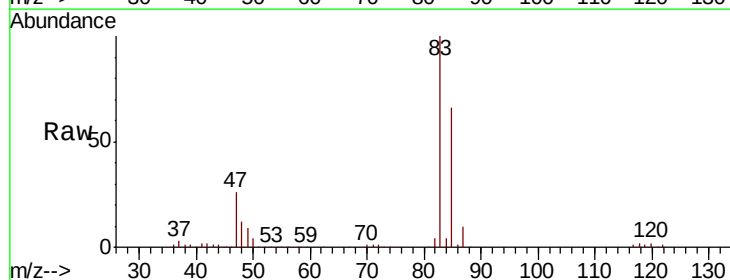
Acq: 01 Jun 2019 06:49

Tgt Ion: 83 Resp: 153367

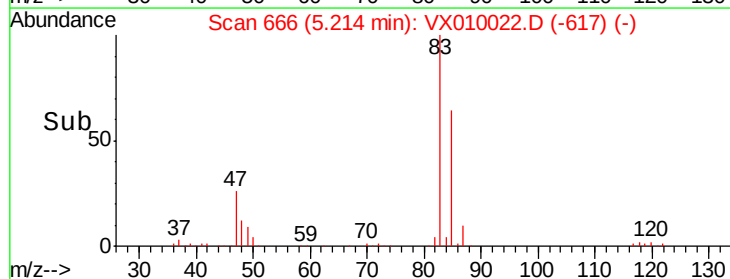
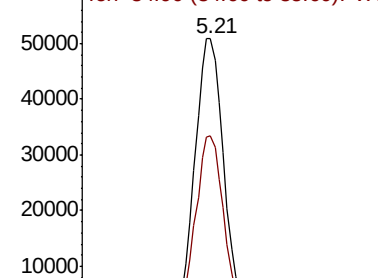
Ion Ratio Lower Upper

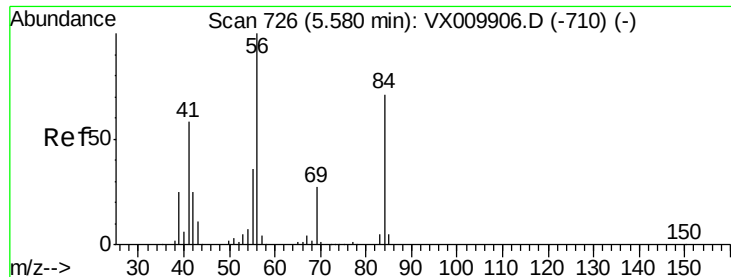
83 100

85 65.9 52.6 78.8



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

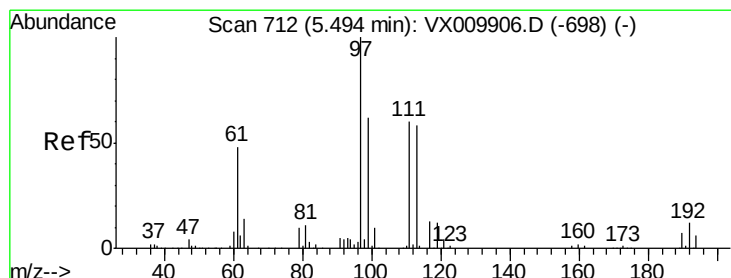
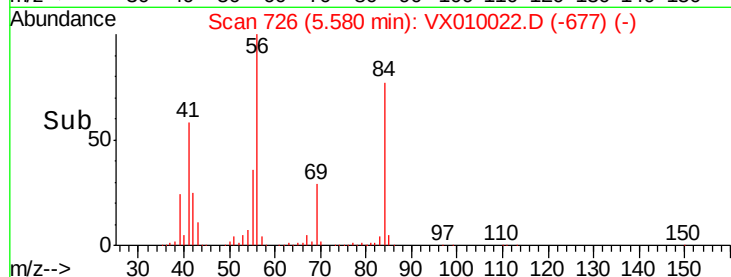
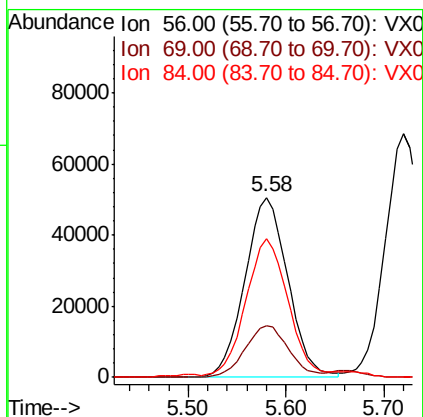
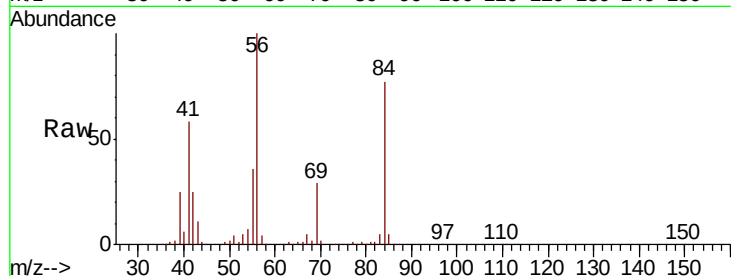




#31
Cyclohexane
Concen: 49.074 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

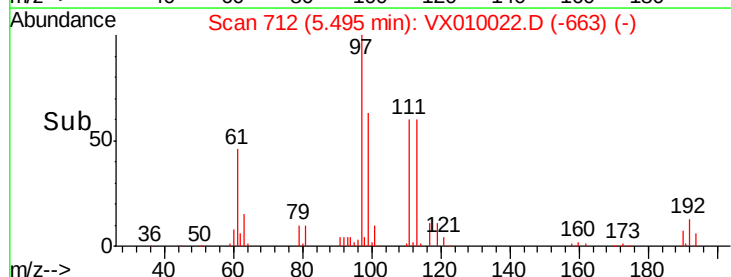
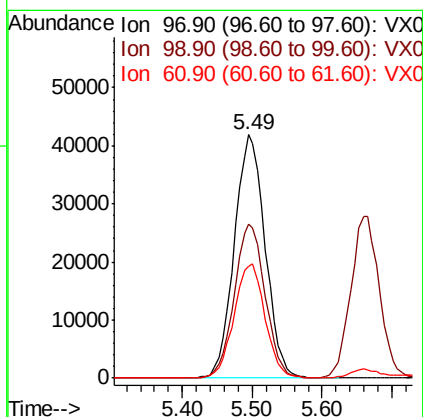
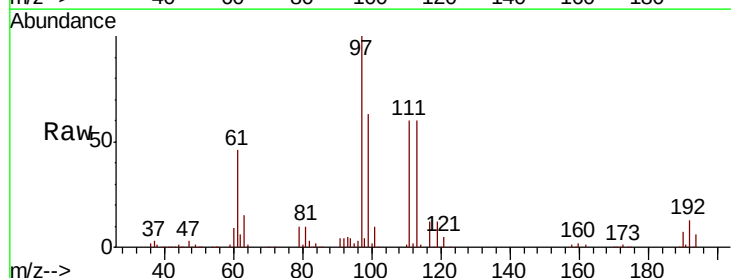
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

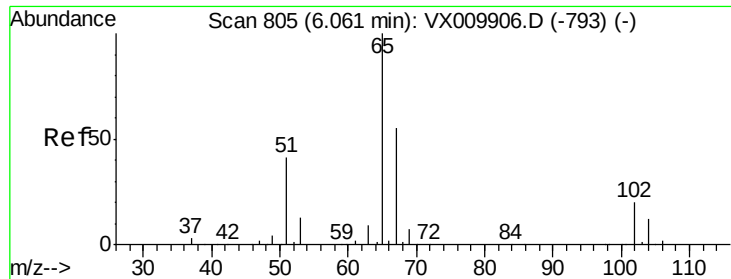
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	21.6	32.4
84	75.6	56.8	85.2



#32
1,1,1-Trichloroethane
Concen: 52.341 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	47.4	38.7	58.1

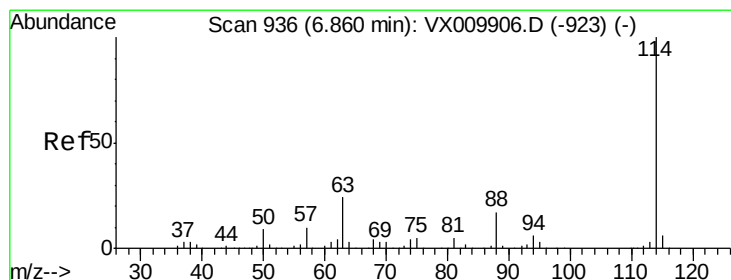
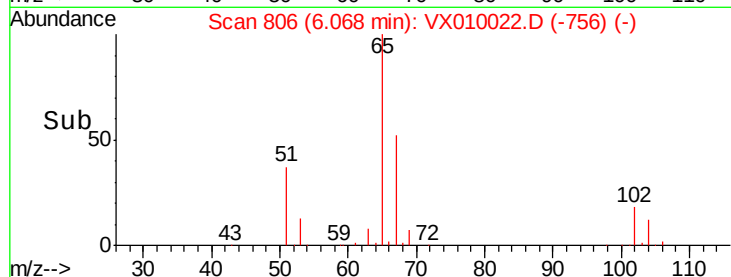
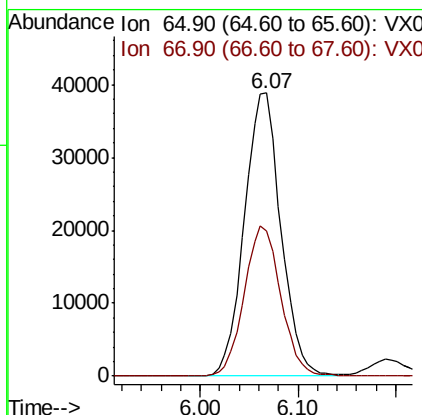
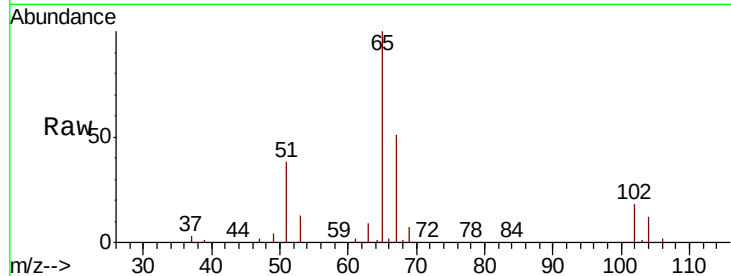




#33
 1,2-Dichloroethane-d4
 Concen: 48.509 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

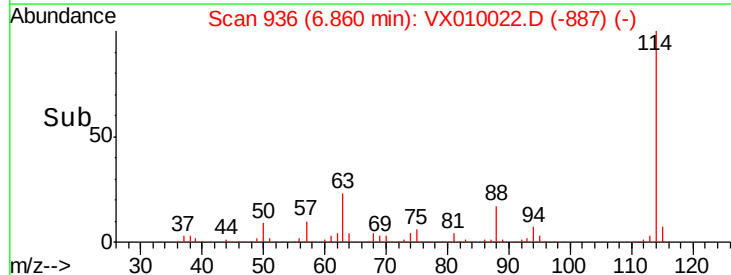
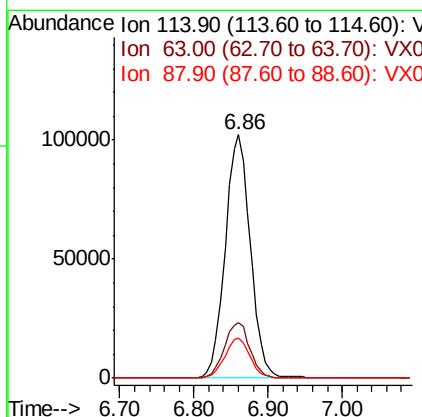
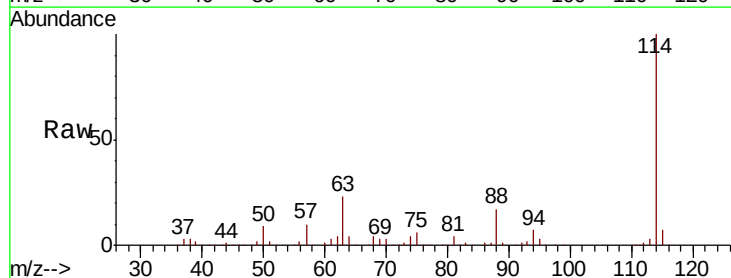
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

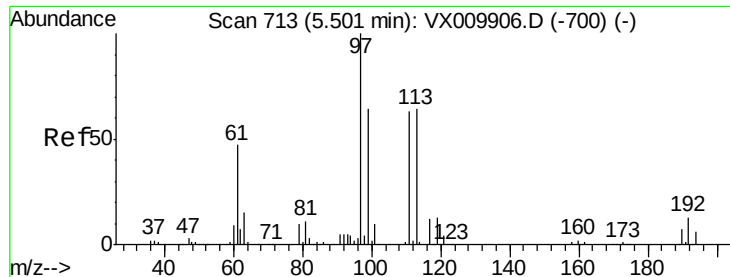
Tot Ion: 65 Resp: 100517
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 114 Resp: 241091
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.7 0.0 33.0

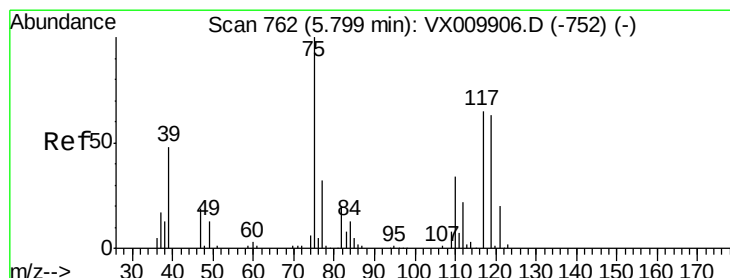
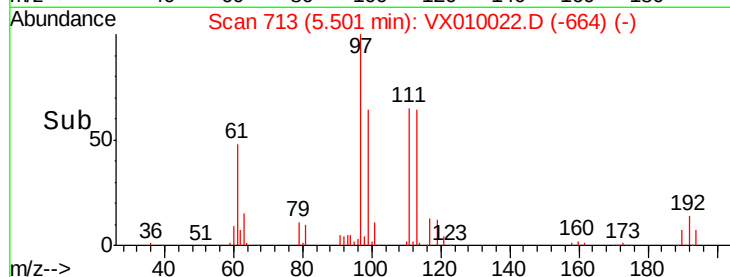
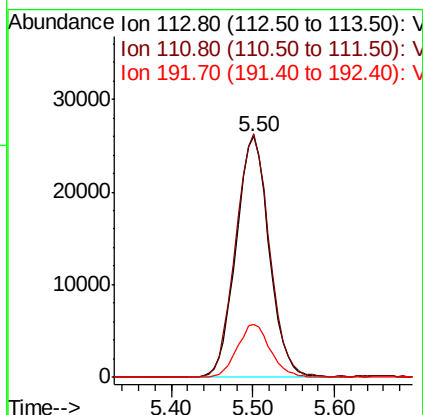
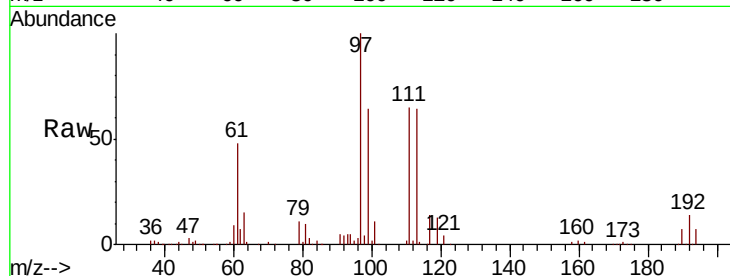




#35
 Dibromofluoromethane
 Concen: 48.261 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

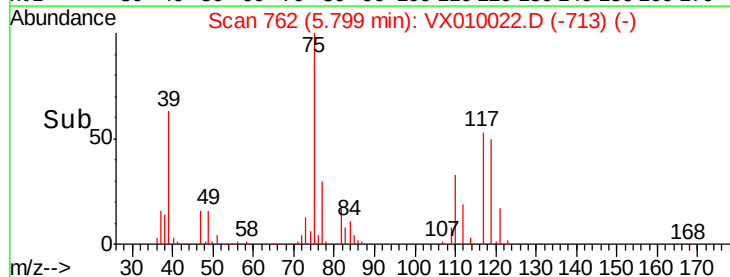
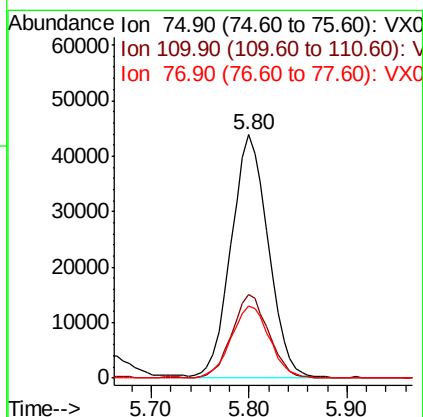
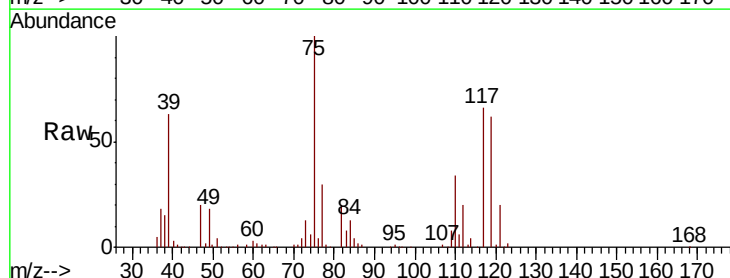
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

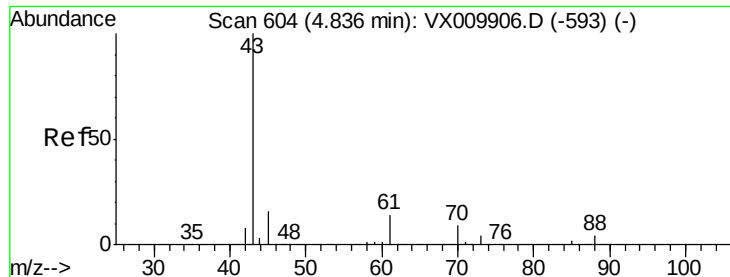
Tot Ion:113 Resp: 73152
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.2
 192 22.0 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 46.985 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 75 Resp: 114932
 Ion Ratio Lower Upper
 75 100
 110 34.3 16.7 50.1
 77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 45.381 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

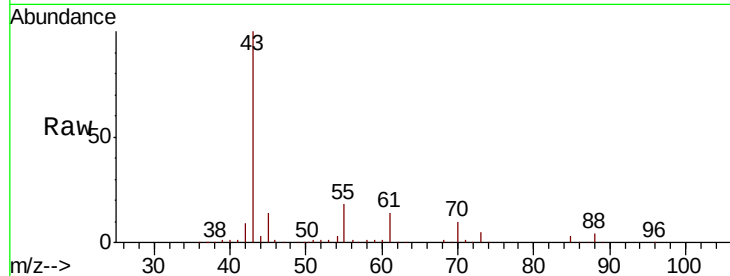
Tot Ion: 43 Resp: 154677

Ion Ratio Lower Upper

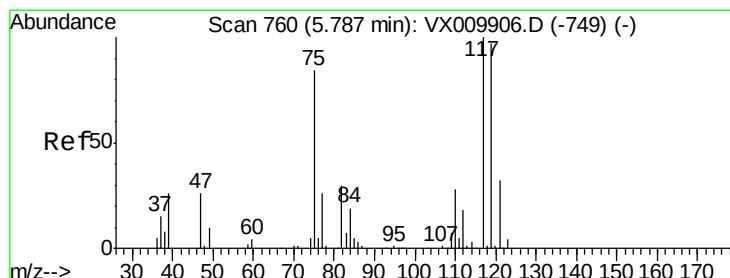
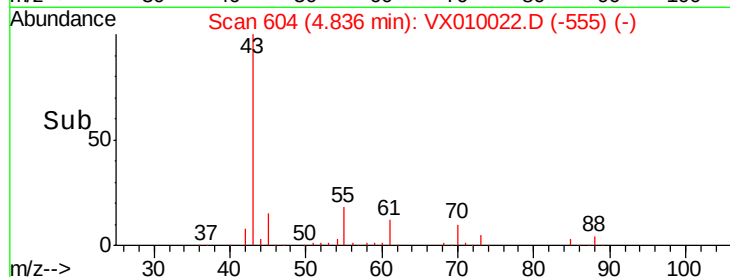
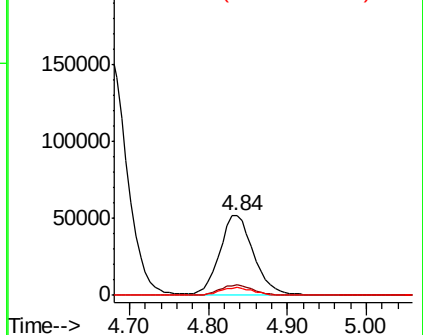
43 100

61 12.8 10.2 15.2

70 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 50.990 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

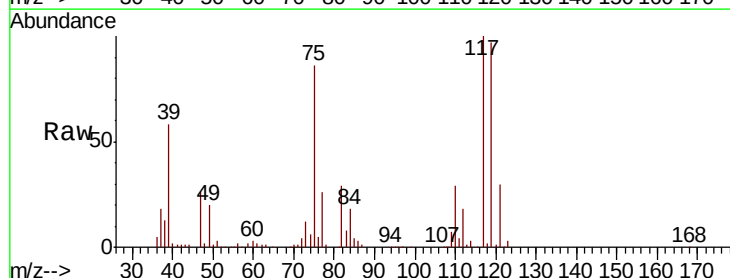
Tgt Ion: 117 Resp: 107783

Ion Ratio Lower Upper

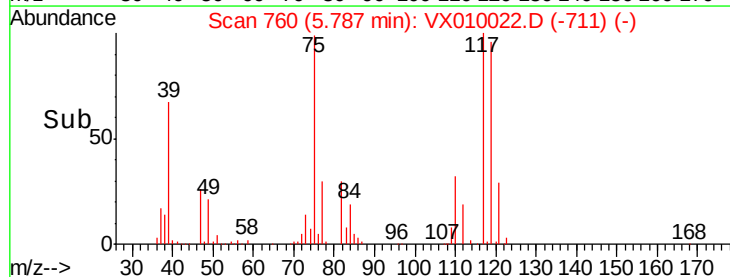
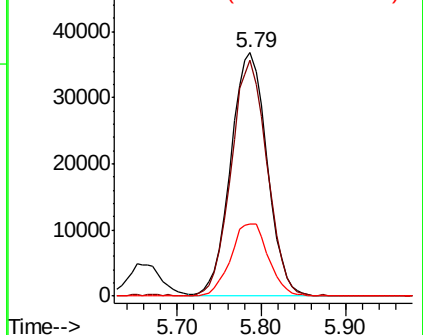
117 100

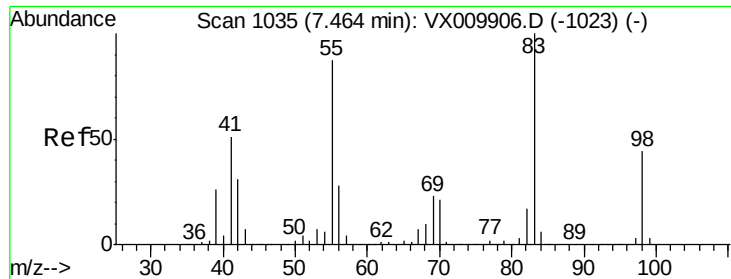
119 96.6 77.3 115.9

121 29.6 25.4 38.0



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

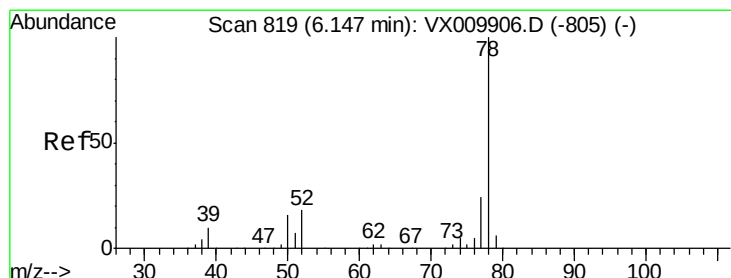
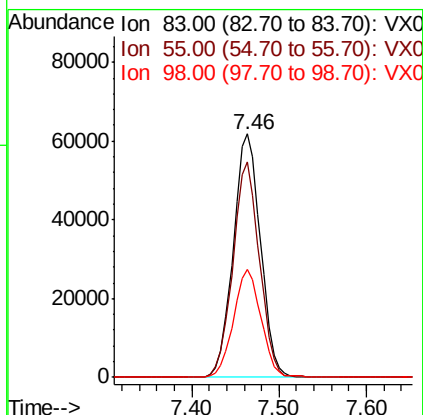
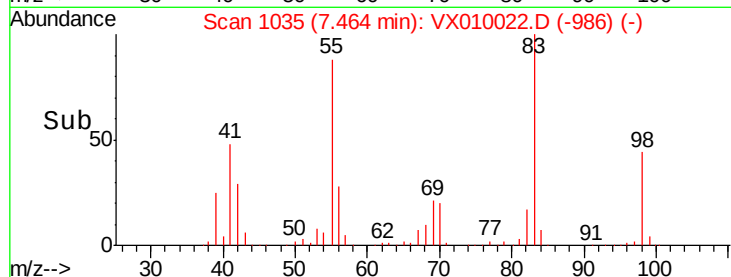
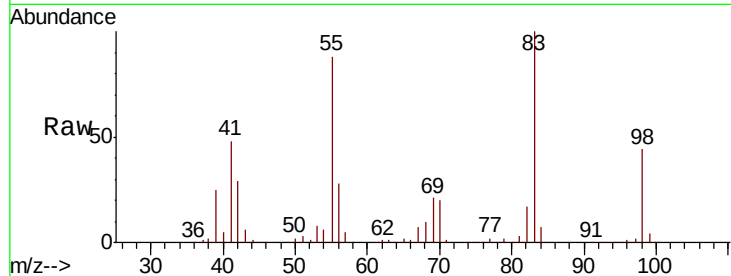




#39
Methylvlcyclohexane
Concen: 46.130 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

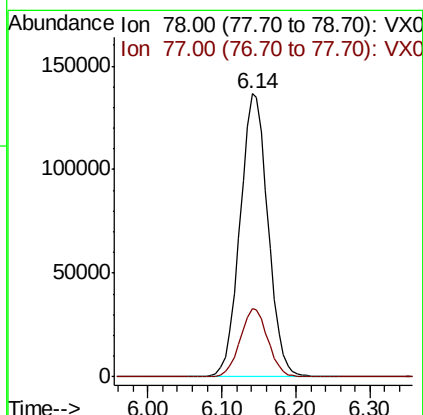
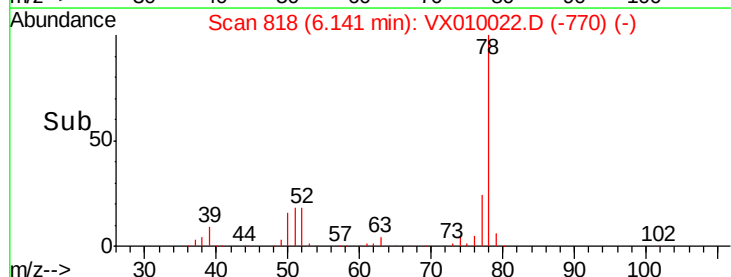
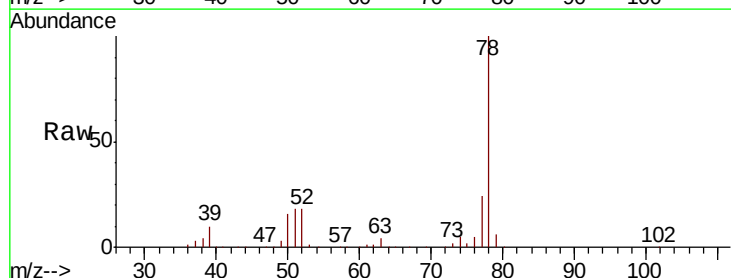
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

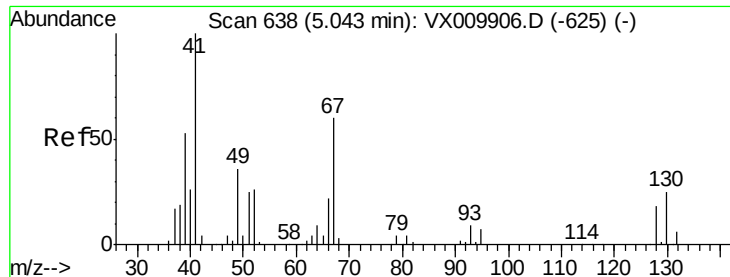
Tot Ion: 83 Resp: 133851
Ion Ratio Lower Upper
83 100
55 88.4 69.9 104.9
98 44.4 35.1 52.7



#40
Benzene
Concen: 49.579 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion: 78 Resp: 359764
Ion Ratio Lower Upper
78 100
77 24.3 19.2 28.8





#41

Methacrylonitrile

Concen: 48.799 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 41 Resp: 97190

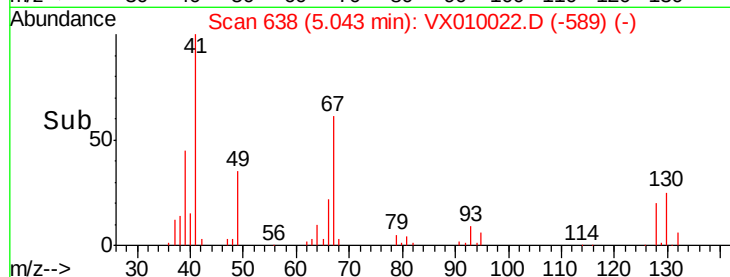
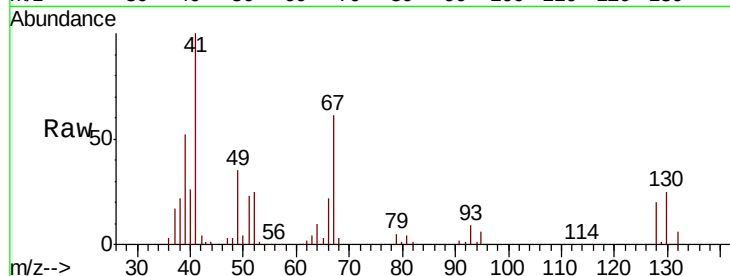
Ion Ratio Lower Upper

41 100

39 53.5 42.2 63.4

67 61.5 48.9 73.3

52 25.3 20.1 30.1

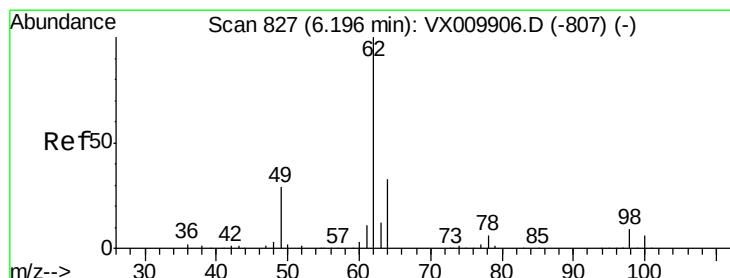
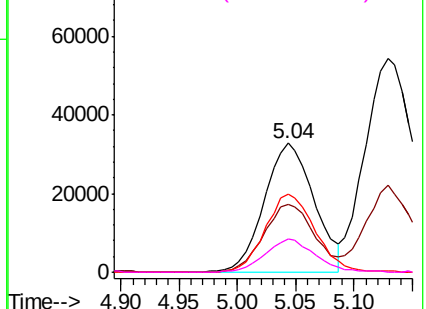


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.486 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010022.D

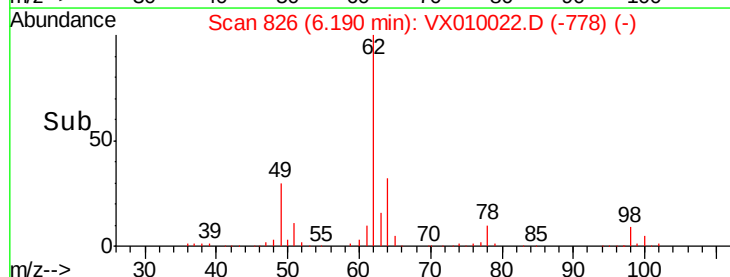
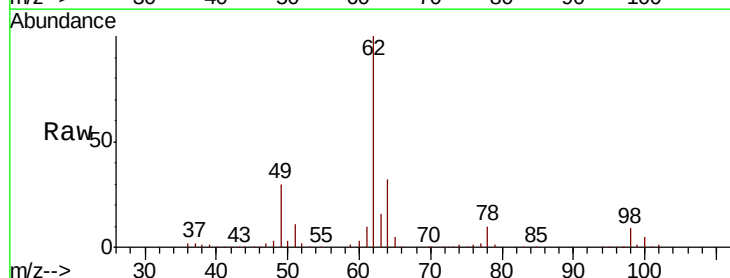
Acq: 01 Jun 2019 06:49

Tgt Ion: 62 Resp: 132753

Ion Ratio Lower Upper

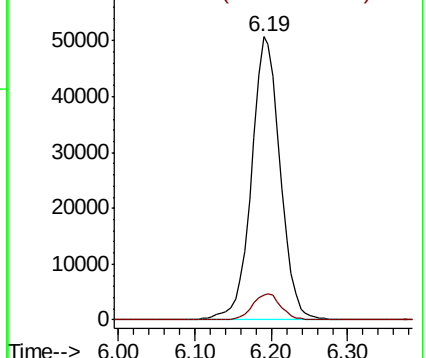
62 100

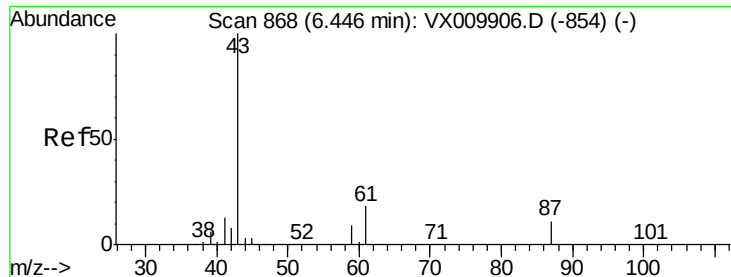
98 8.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



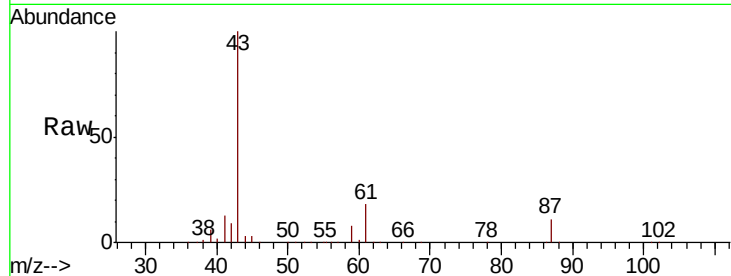


#43

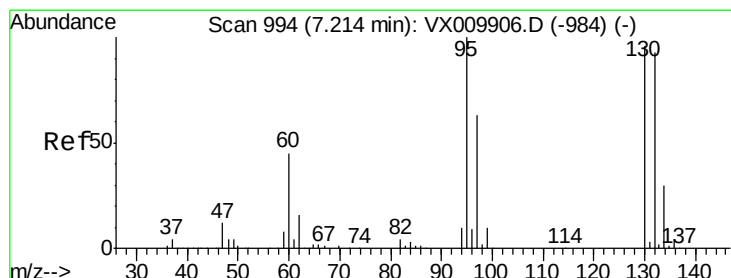
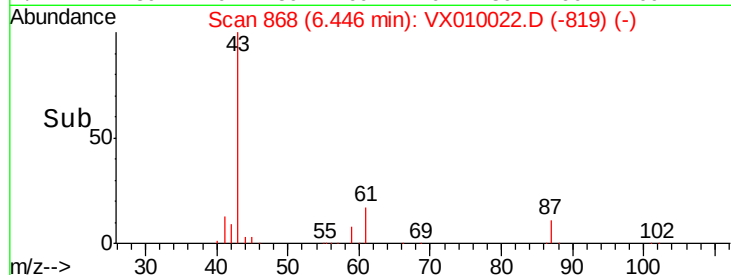
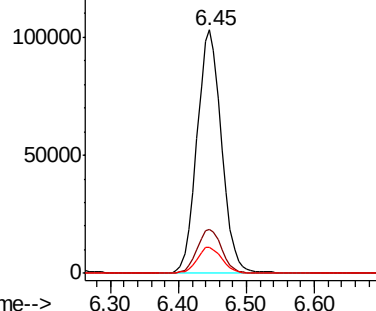
Isopropyl Acetate
 Concen: 46.517 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion: 43 Resp: 255826
 Ion Ratio Lower Upper
 43 100
 61 18.5 14.6 21.8
 87 11.0 8.7 13.1



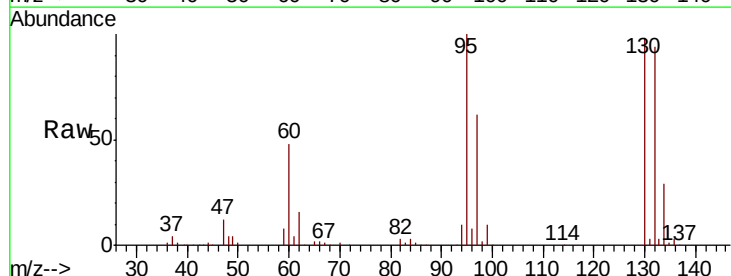
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



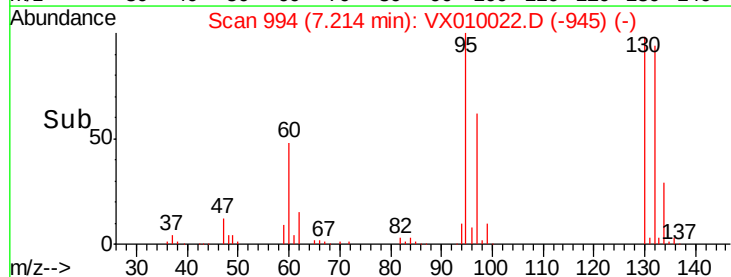
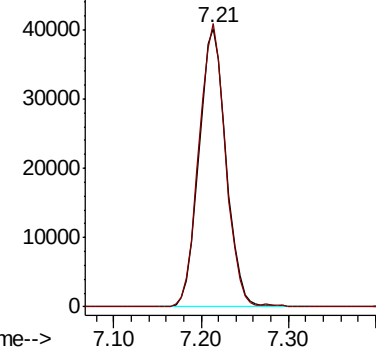
#44

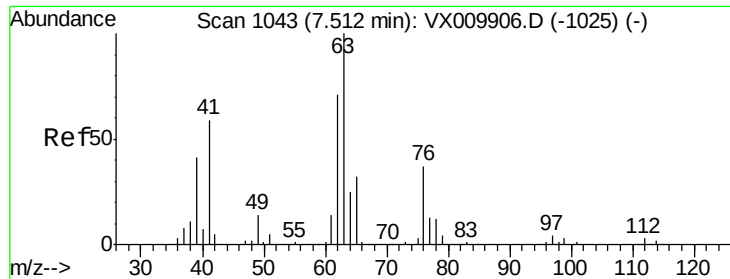
Trichloroethene
 Concen: 49.097 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 130 Resp: 86538
 Ion Ratio Lower Upper
 130 100
 95 101.7 0.0 207.4



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

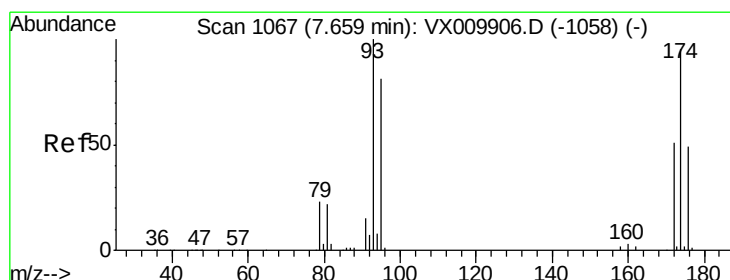
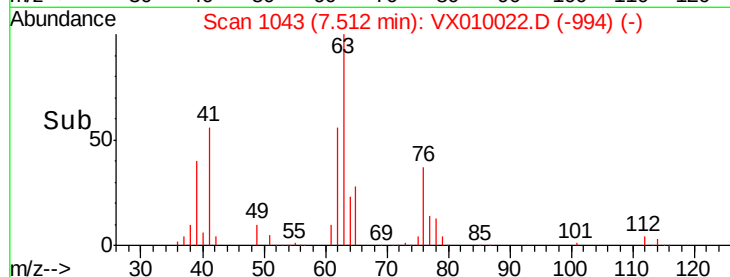
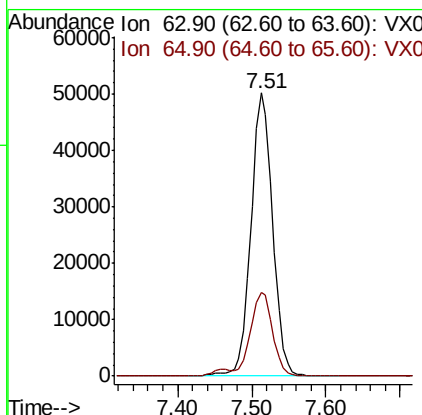
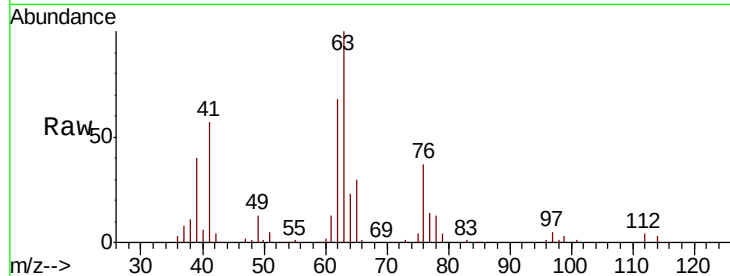




#45
 1,2-Dichloropropane
 Concen: 49.065 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

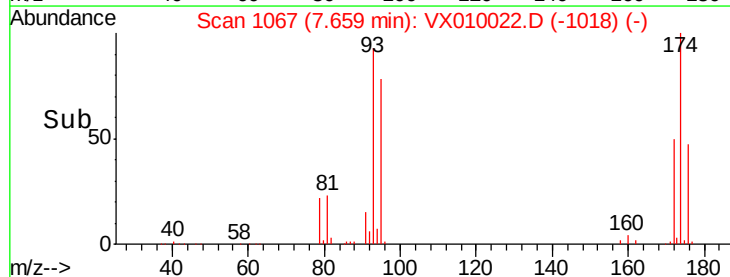
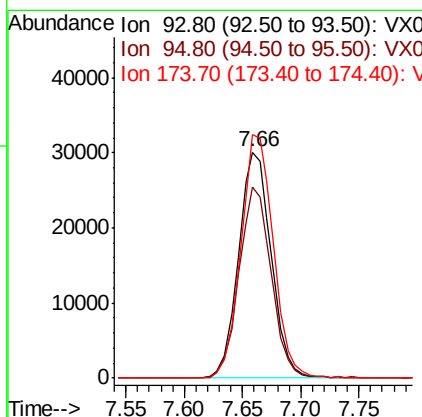
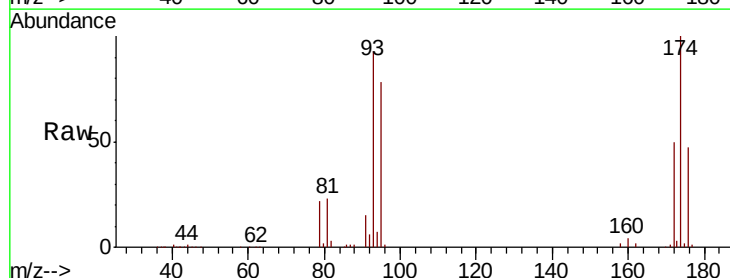
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

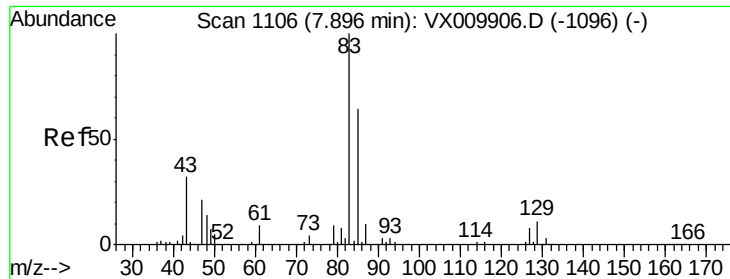
Tot Ion: 63 Resp: 102490
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.7 38.5



#46
 Dibromomethane
 Concen: 47.837 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 93 Resp: 58818
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.8 100.2
 174 107.3 81.9 122.9





#47

Bromodichloromethane

Concen: 51.275 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

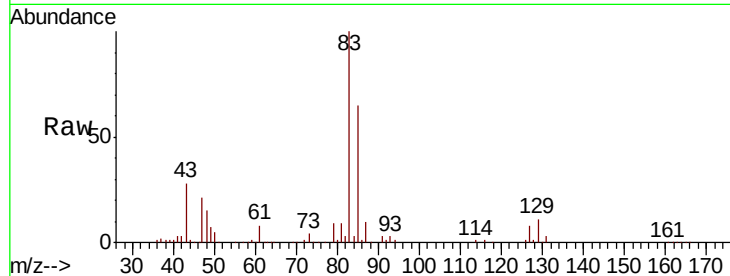
Tot Ion: 83 Resp: 119888

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.2

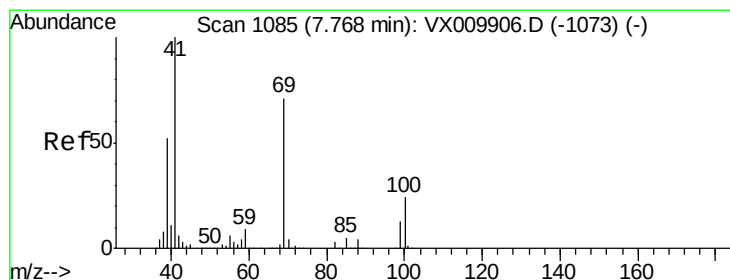
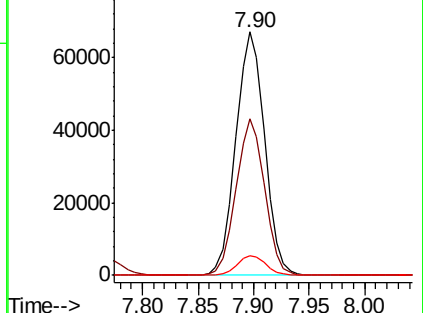
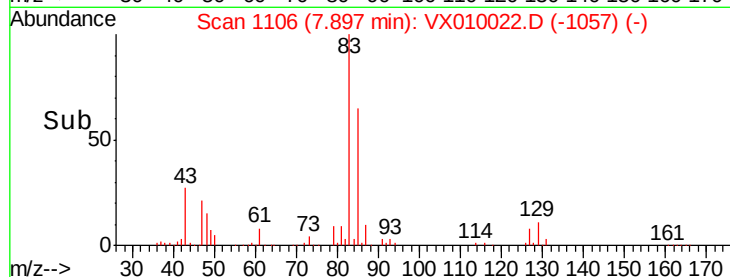
127 8.2 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.473 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

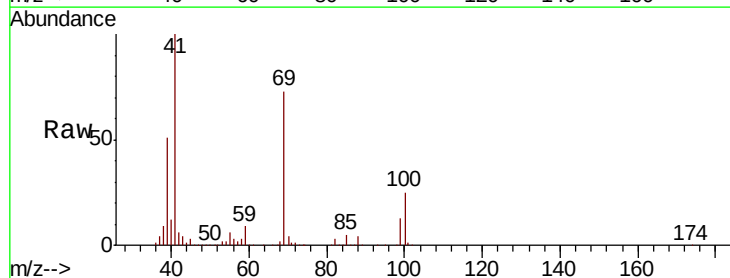
Tgt Ion: 41 Resp: 137412

Ion Ratio Lower Upper

41 100

69 71.7 56.4 84.6

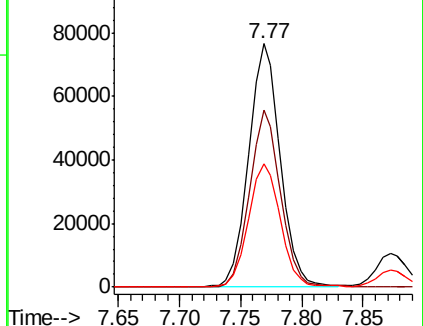
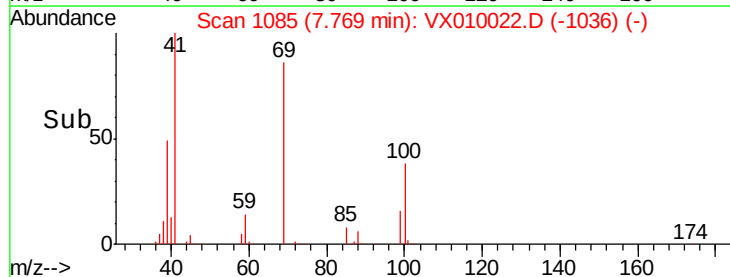
39 51.7 40.6 60.8

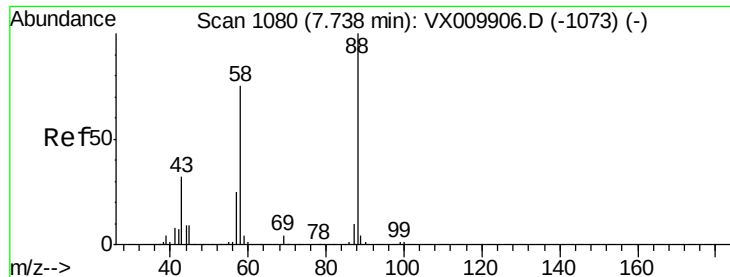


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 979.799 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

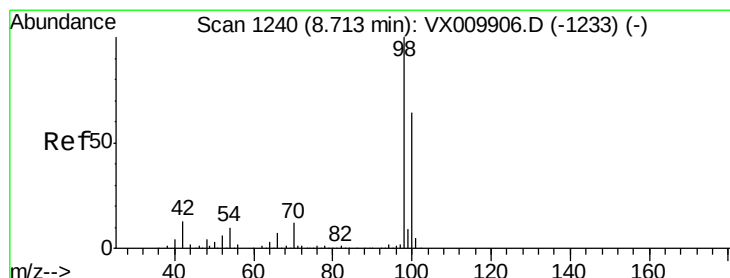
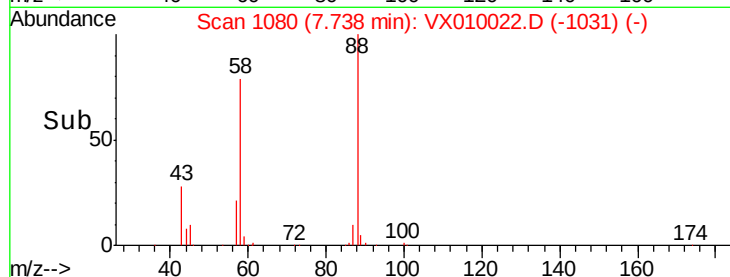
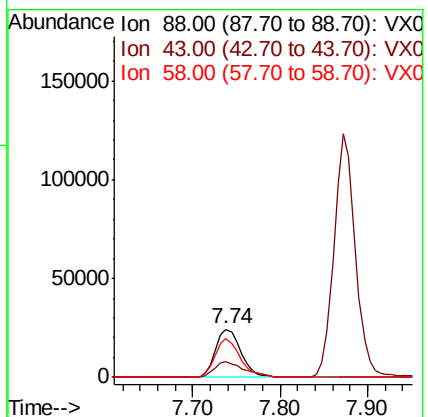
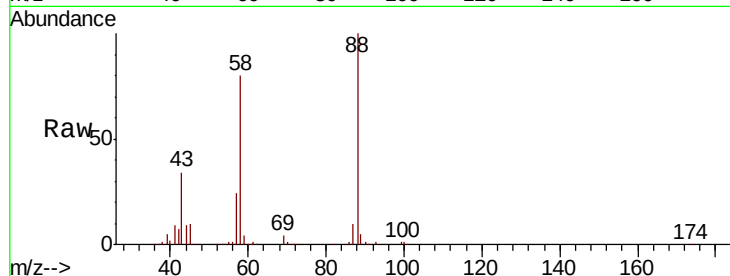
Tot Ion: 88 Resp: 49618

Ion Ratio Lower Upper

88 100

43 37.8 30.2 45.4

58 79.3 64.0 96.0



#50

Toluene-d8

Concen: 48.109 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010022.D

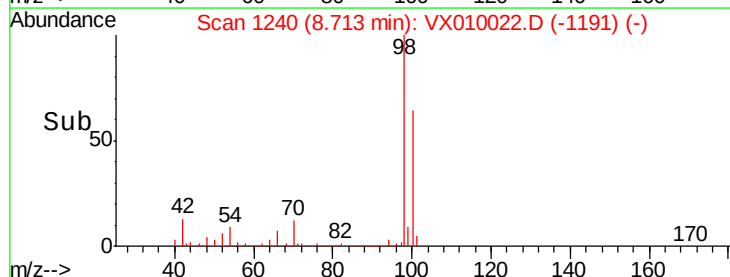
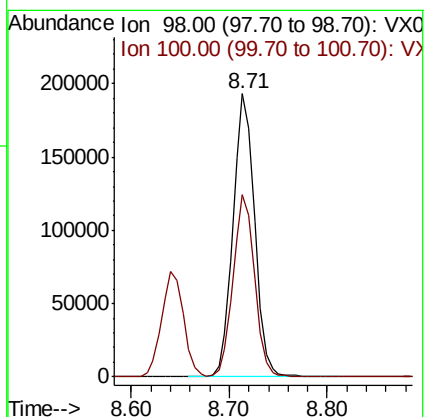
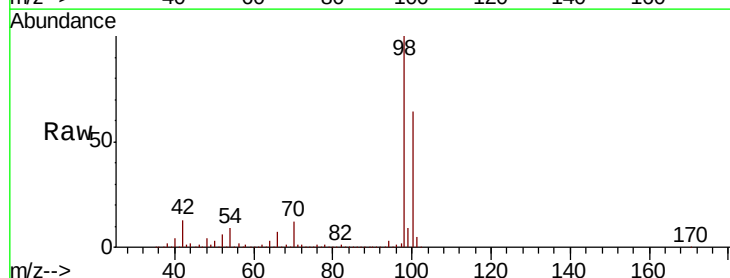
Acq: 01 Jun 2019 06:49

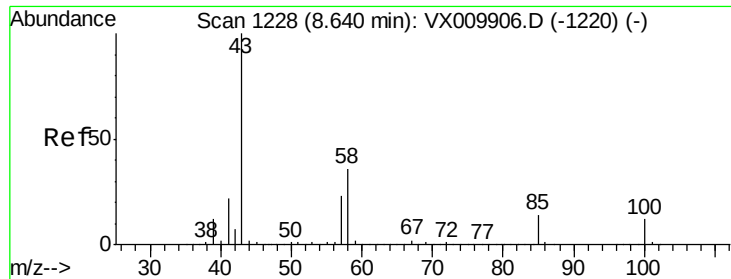
Tgt Ion: 98 Resp: 296115

Ion Ratio Lower Upper

98 100

100 64.3 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 254.351 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

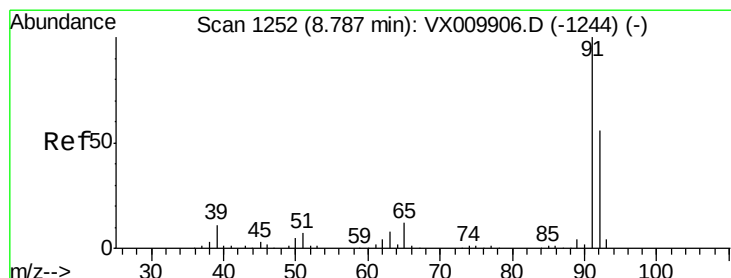
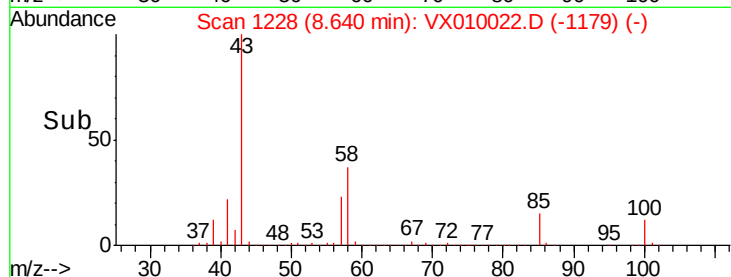
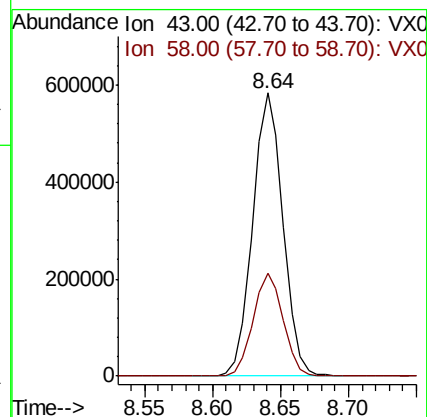
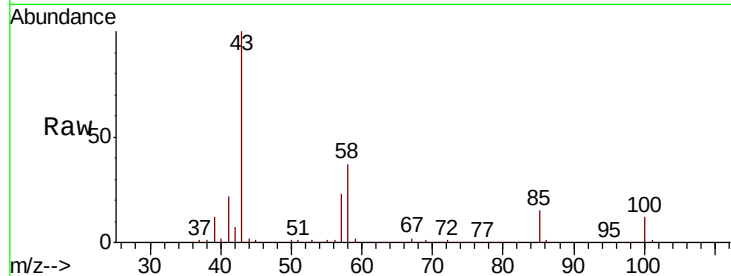
LF012MW004-190528MSD

Tot Ion: 43 Resp: 909956

Ion Ratio Lower Upper

43 100

58 36.2 28.8 43.2



#52

Toluene

Concen: 50.309 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010022.D

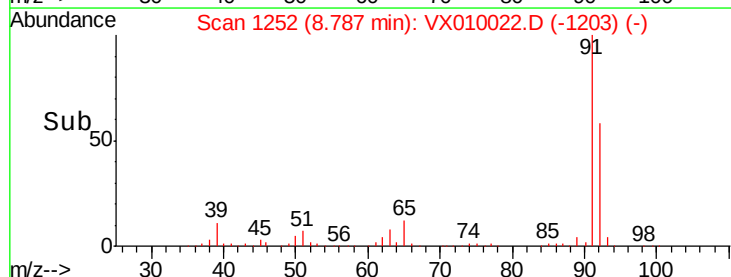
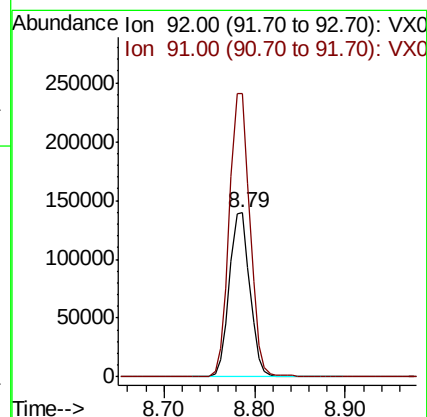
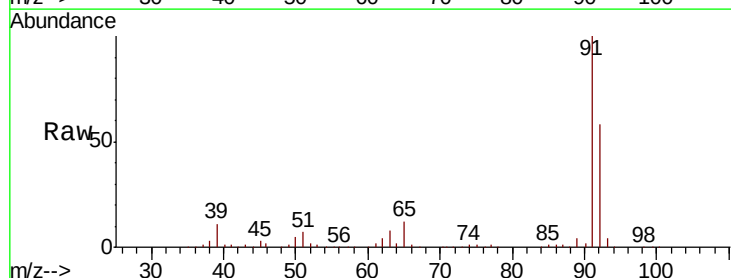
Acq: 01 Jun 2019 06:49

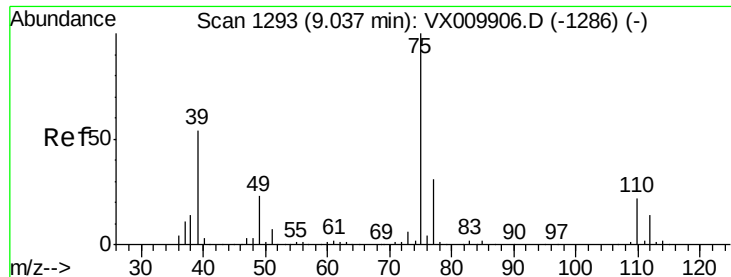
Tgt Ion: 92 Resp: 221654

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9

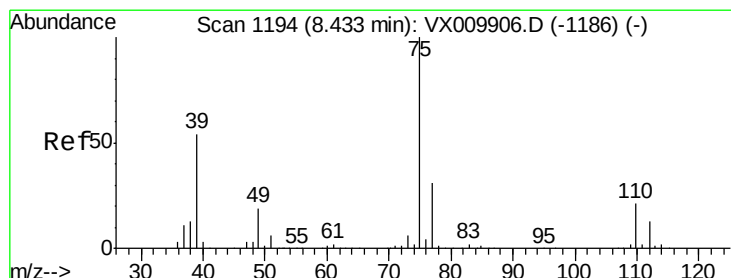
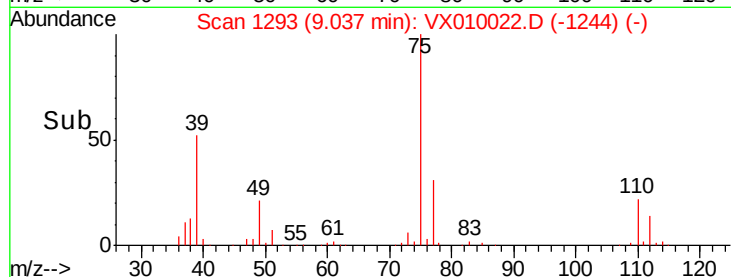
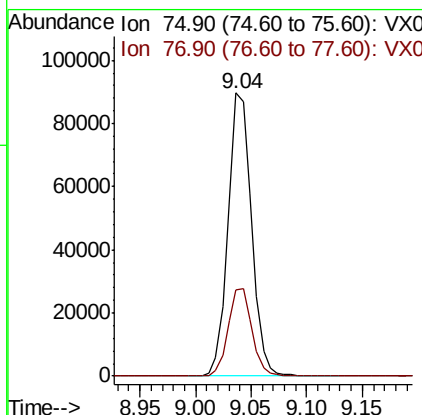
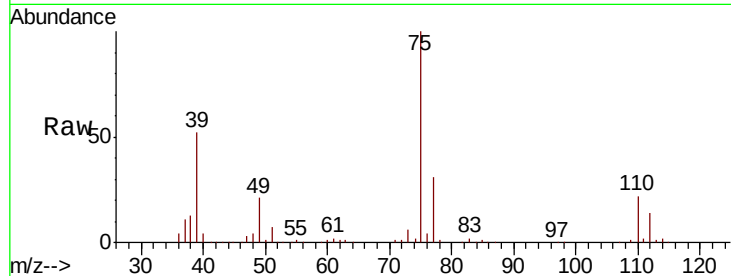




#53
 t-1,3-Dichloropropene
 Concen: 46.739 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

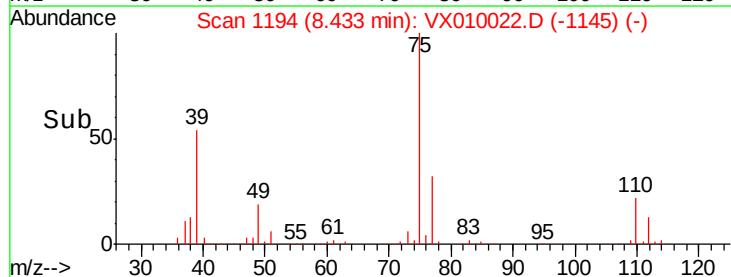
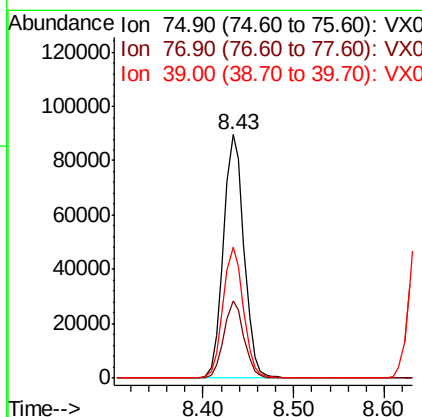
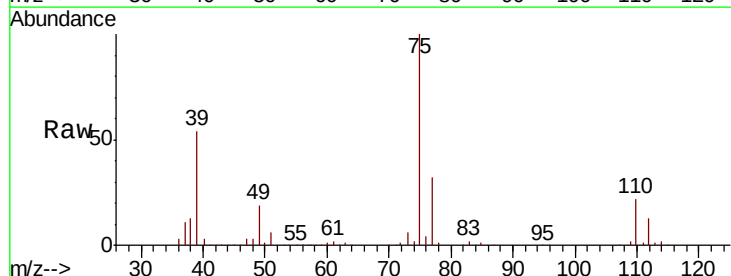
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

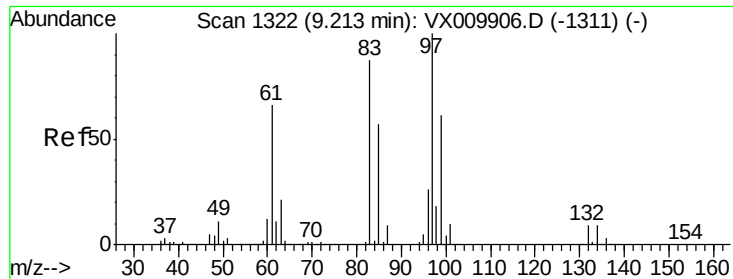
Tot Ion: 75 Resp: 131063
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 46.458 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 75 Resp: 141941
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2
 39 53.7 43.4 65.0

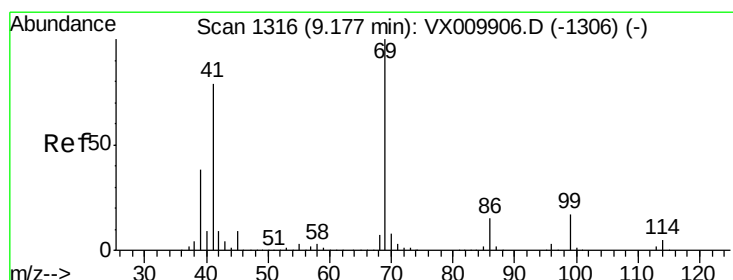
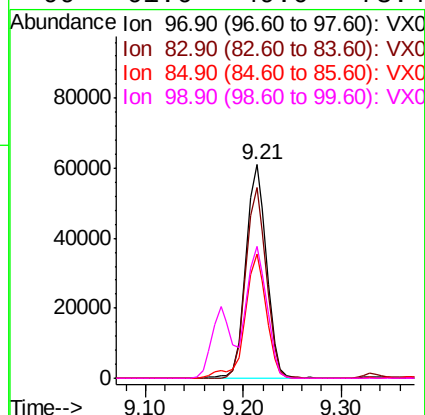
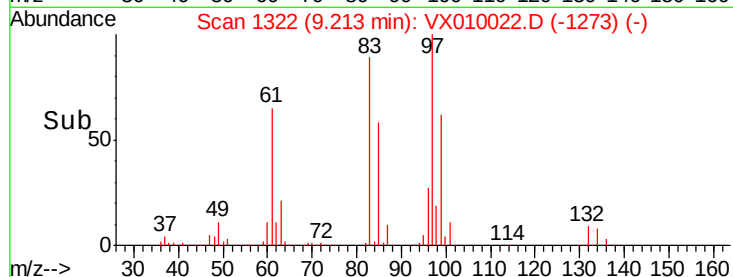
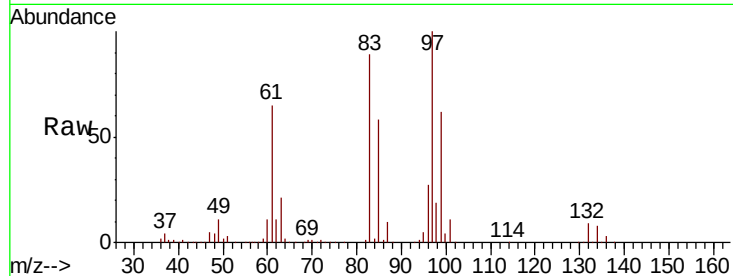




#55
 1,1,2-Trichloroethane
 Concen: 50.661 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

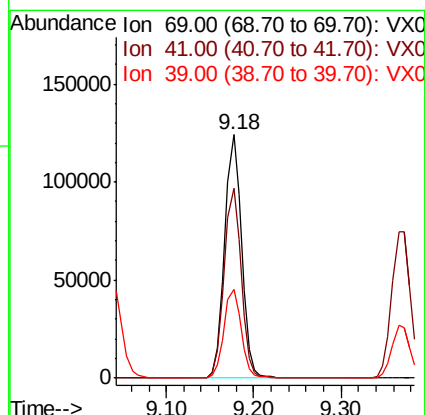
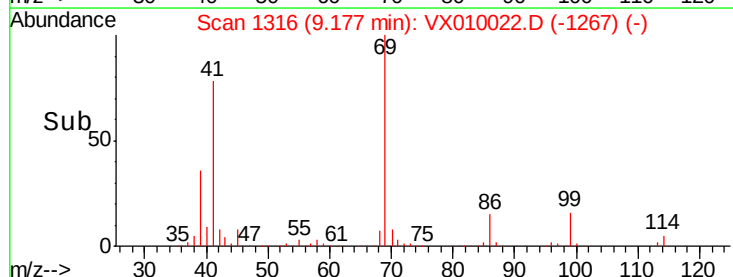
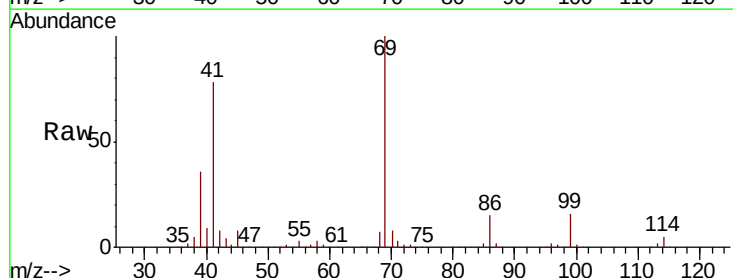
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

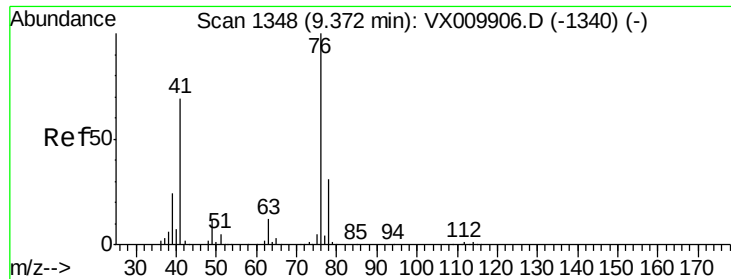
Tot Ion:	97	Resp:	89837
Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.8
85	57.9	45.3	67.9
99	61.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 52.683 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion:	69	Resp:	166319
Ion	Ratio	Lower	Upper
69	100		
41	78.1	62.7	94.1
39	36.9	29.5	44.3

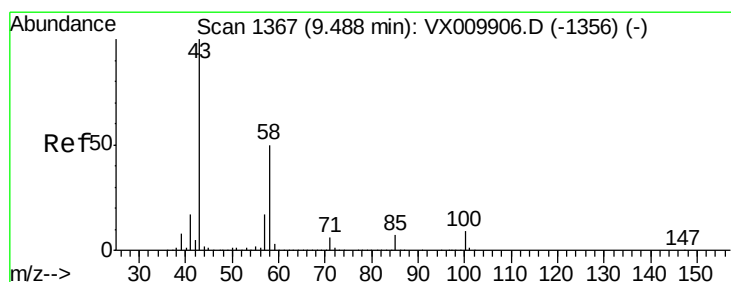
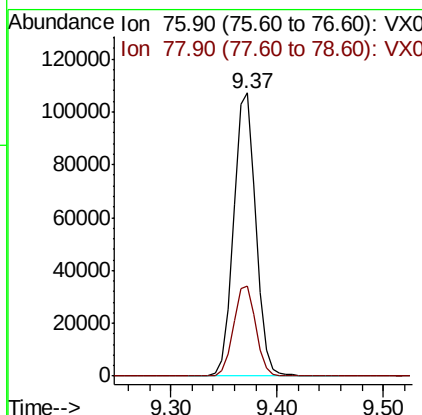
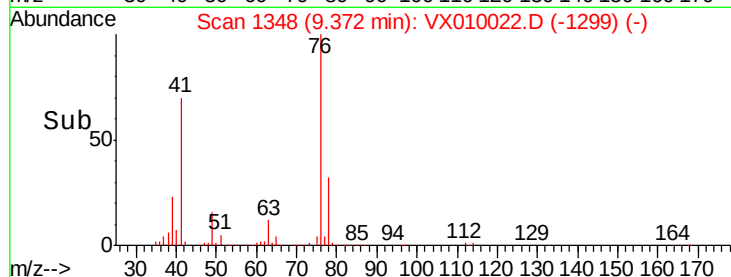
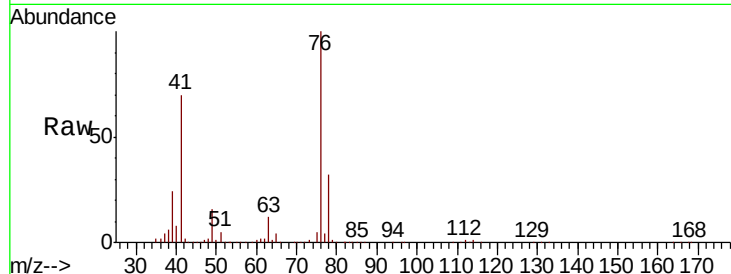




#57
 1,3-Dichloropropane
 Concen: 49.098 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

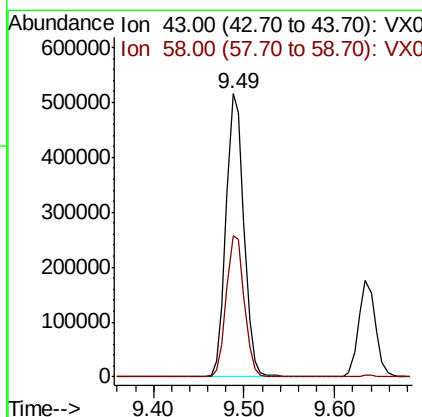
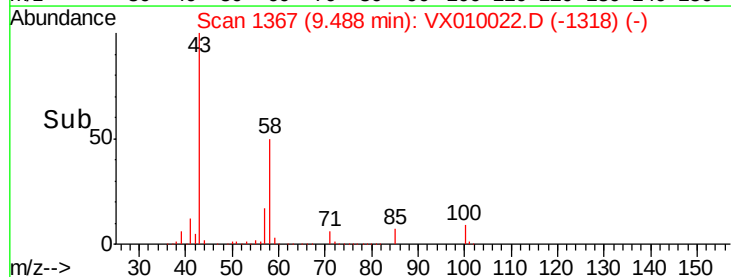
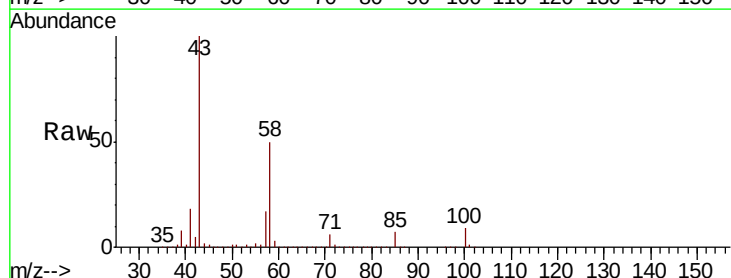
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

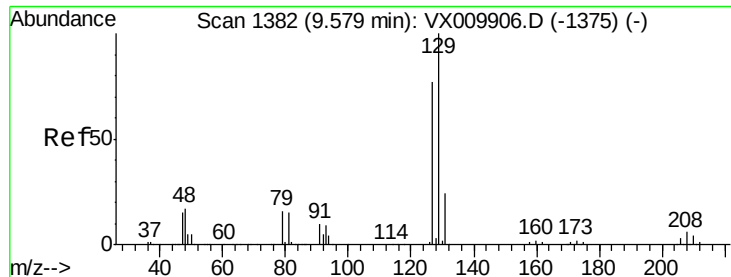
Tot Ion: 76 Resp: 156359
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#59
 2-Hexanone
 Concen: 256.653 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 43 Resp: 706919
 Ion Ratio Lower Upper
 43 100
 58 50.6 25.1 75.3





#60

Dibromochloromethane

Concen: 52.527 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

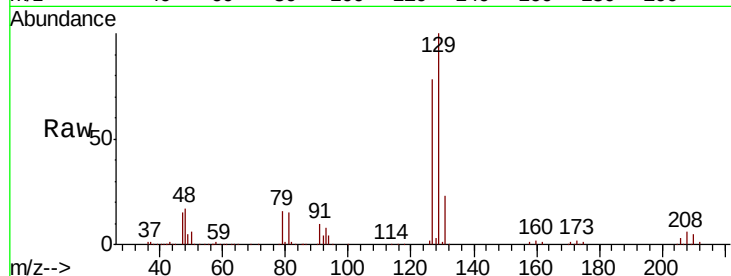
LF012MW004-190528MSD

Tot Ion:129 Resp: 91627

Ion Ratio Lower Upper

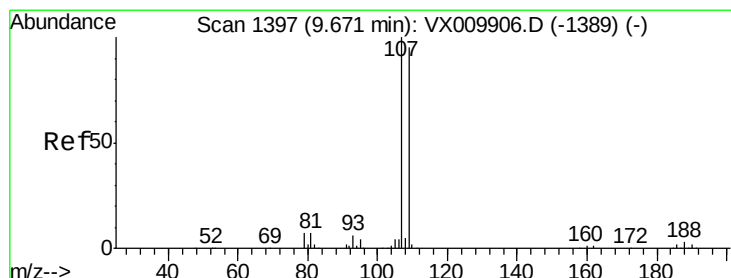
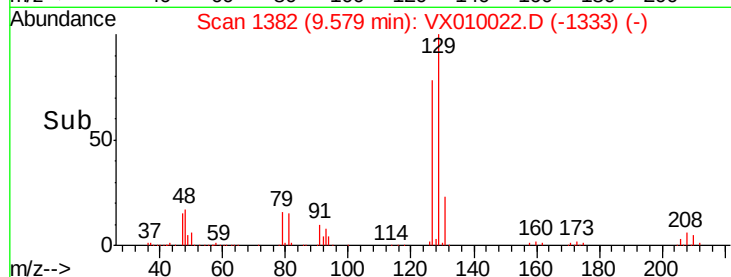
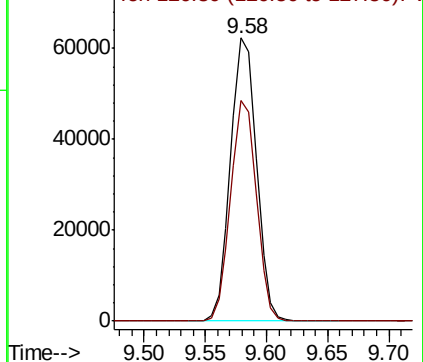
129 100

127 77.4 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.838 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010022.D

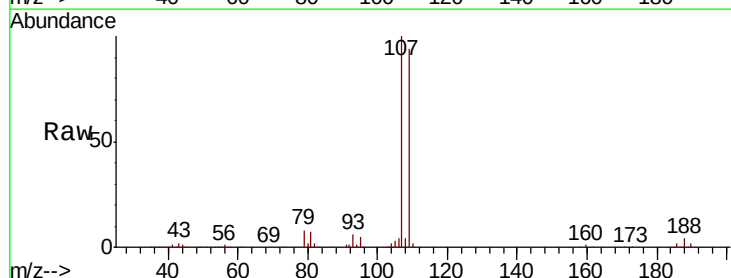
Acq: 01 Jun 2019 06:49

Tgt Ion:107 Resp: 92616

Ion Ratio Lower Upper

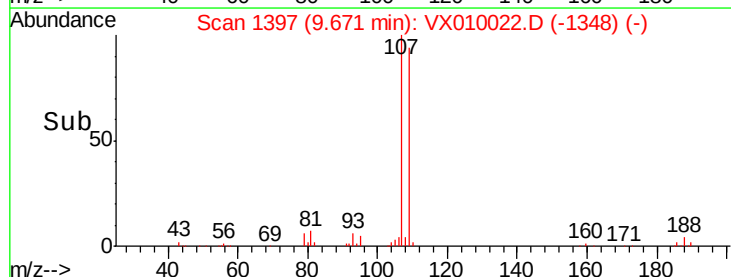
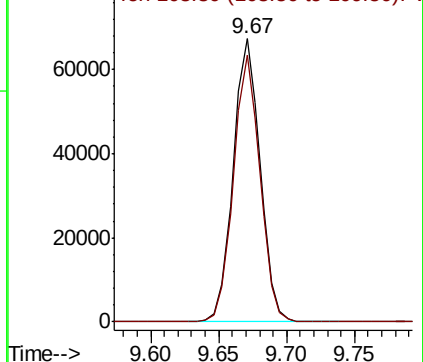
107 100

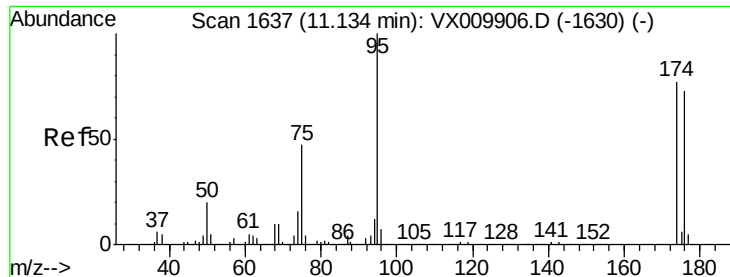
109 93.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

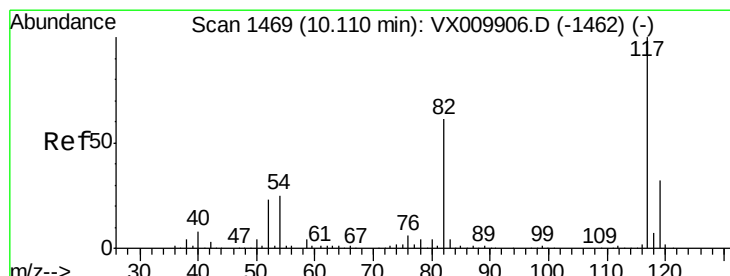
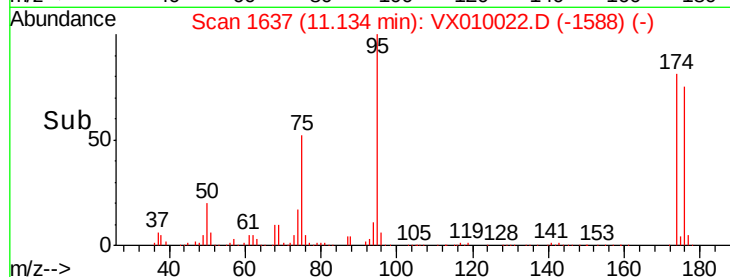
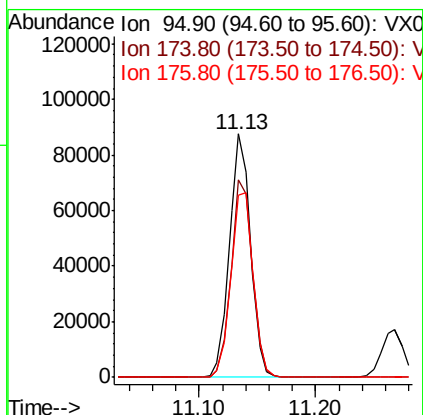
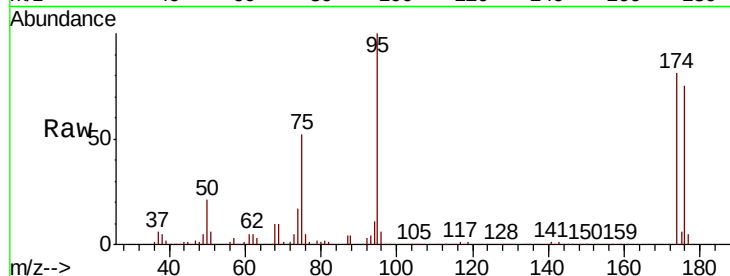




#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

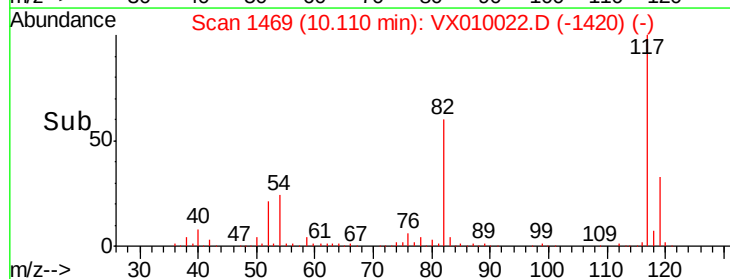
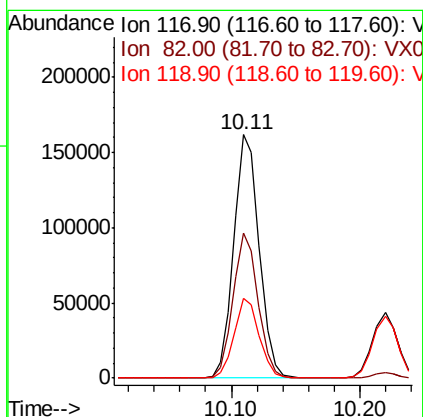
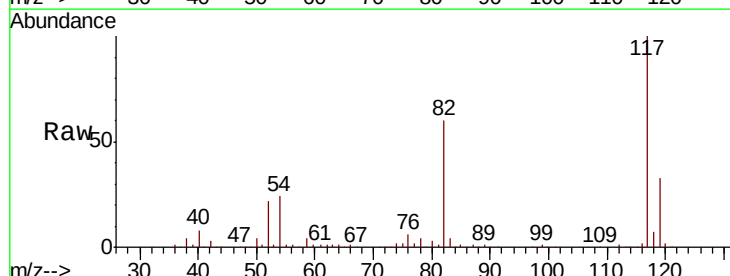
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

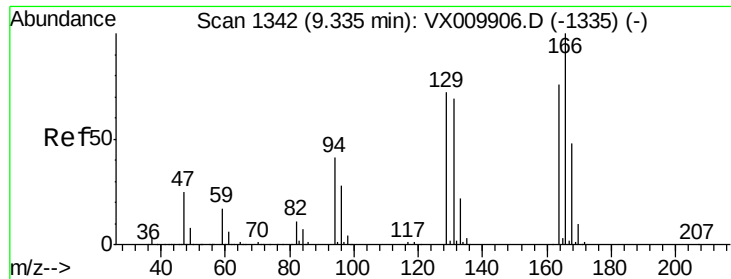
Tot Ion: 95 Resp: 109956
Ion Ratio Lower Upper
95 100
174 82.8 0.0 160.4
176 80.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion: 117 Resp: 223028
Ion Ratio Lower Upper
117 100
82 59.7 49.2 73.8
119 32.5 25.2 37.8





#64

Tetrachloroethene

Concen: 47.863 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion:164 Resp: 74563

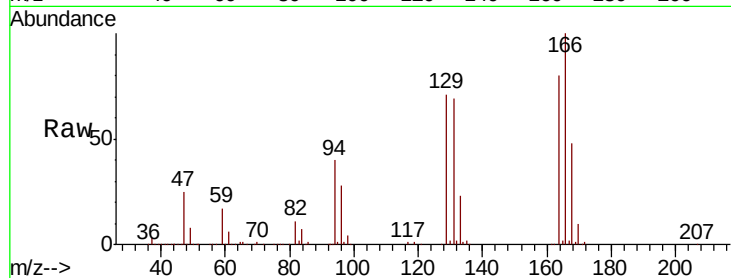
Ion Ratio Lower Upper

164 100

166 124.5 105.0 157.4

129 88.5 75.1 112.7

131 86.1 72.2 108.4

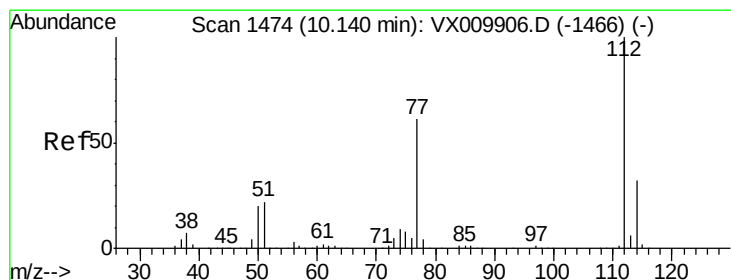
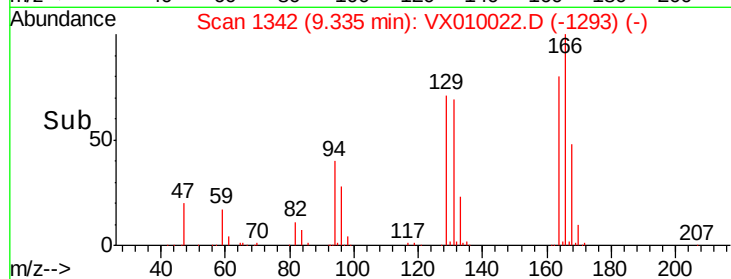
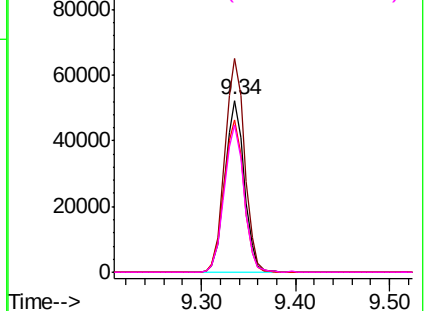


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.611 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX010022.D

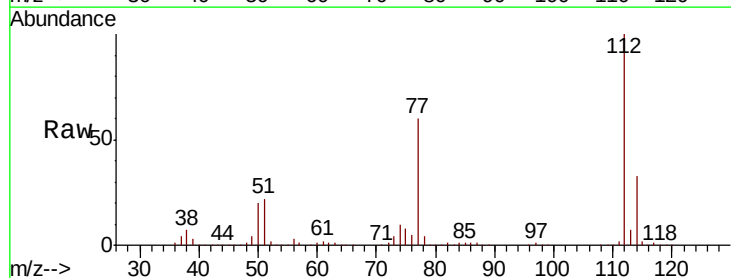
Acq: 01 Jun 2019 06:49

Tgt Ion:112 Resp: 231639

Ion Ratio Lower Upper

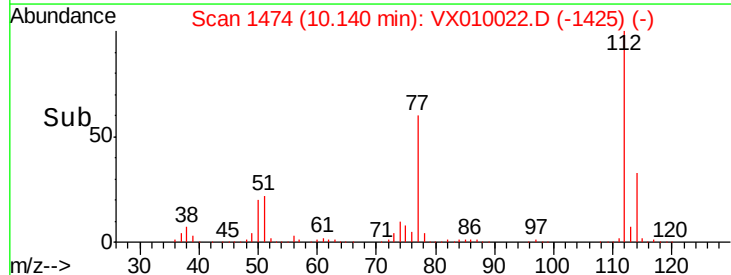
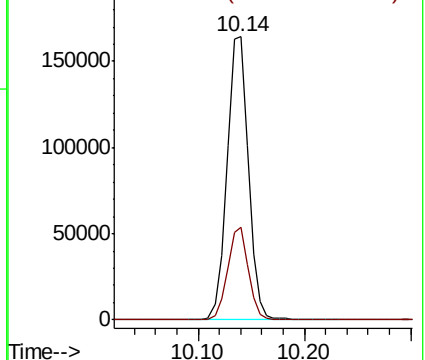
112 100

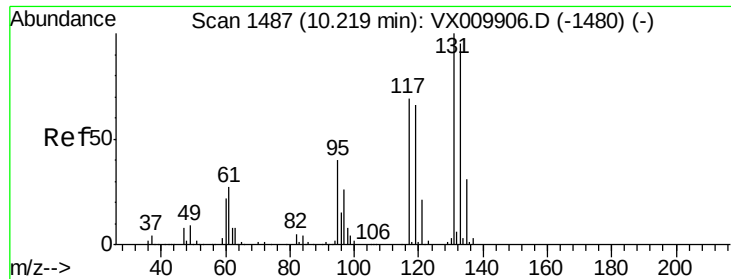
114 32.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

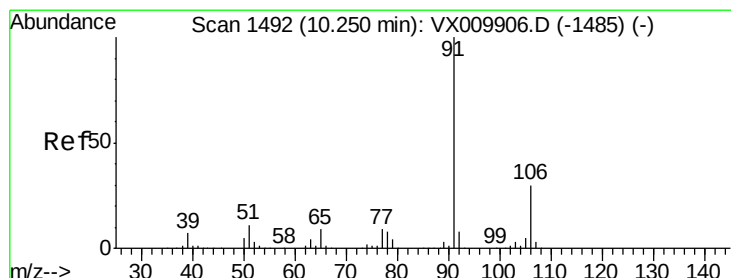
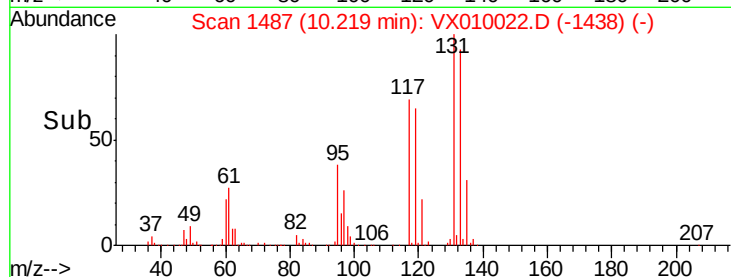
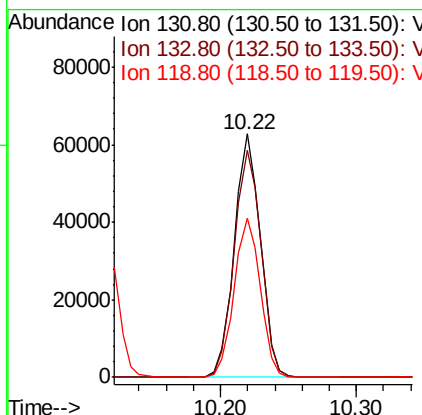
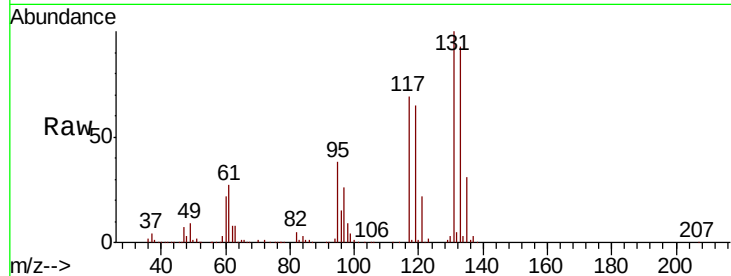




#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.953 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

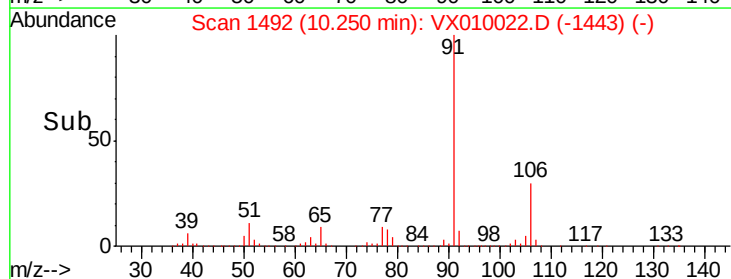
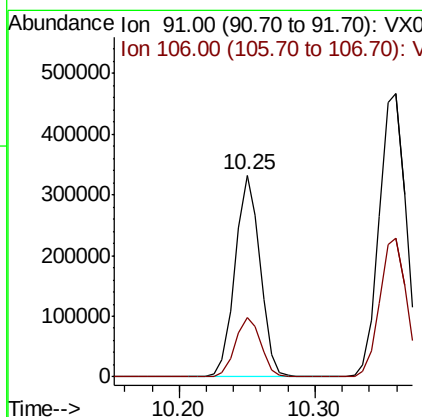
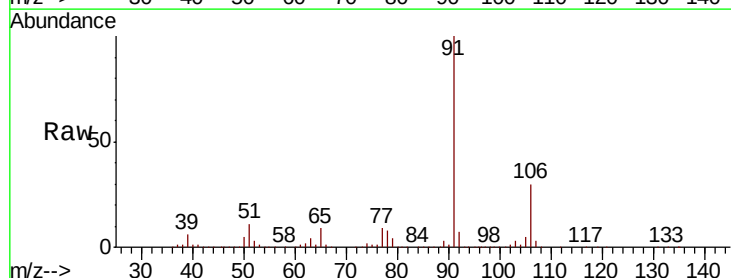
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

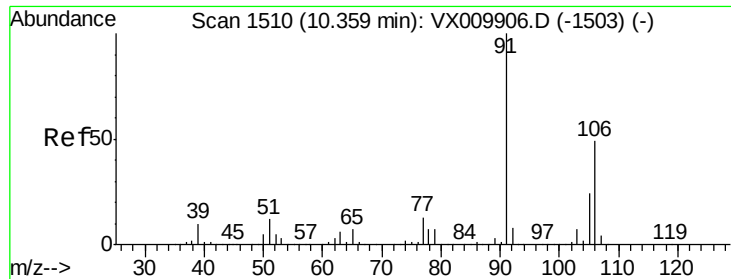
Tot Ion:131 Resp: 84135
 Ion Ratio Lower Upper
 131 100
 133 95.8 47.5 142.6
 119 65.7 33.4 100.1



#67
 Ethyl Benzene
 Concen: 50.689 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 91 Resp: 424947
 Ion Ratio Lower Upper
 91 100
 106 29.5 23.9 35.9





#68

m/p-Xylenes

Concen: 100.449 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

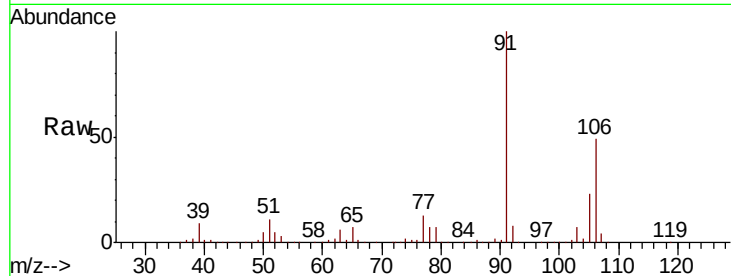
LF012MW004-190528MSD

Tot Ion:106 Resp: 311107

Ion Ratio Lower Upper

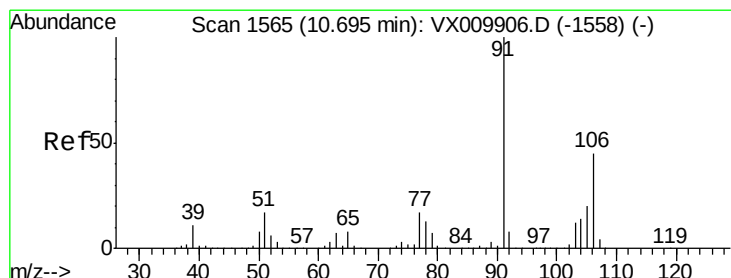
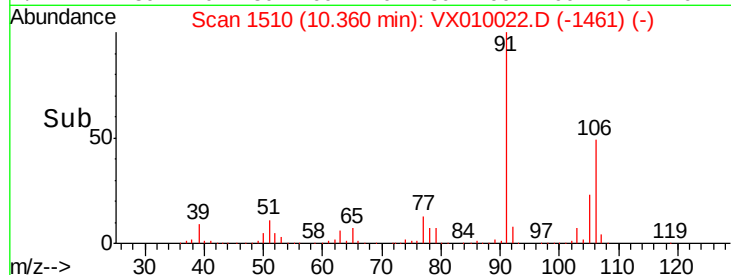
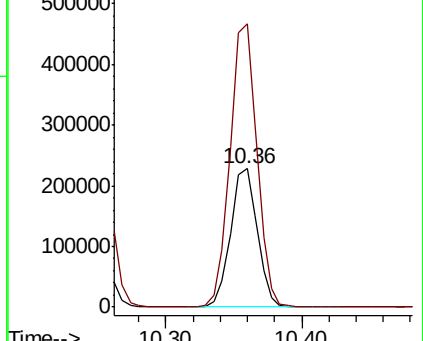
106 100

91 206.8 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 51.540 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX010022.D

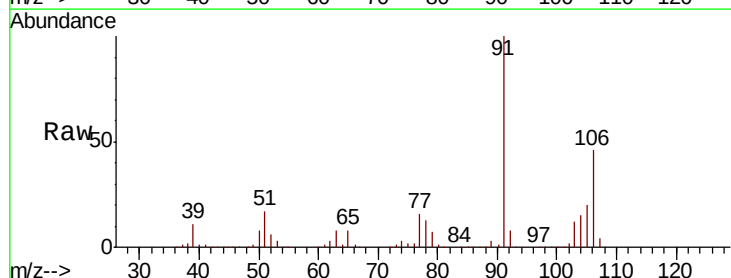
Acq: 01 Jun 2019 06:49

Tgt Ion:106 Resp: 153090

Ion Ratio Lower Upper

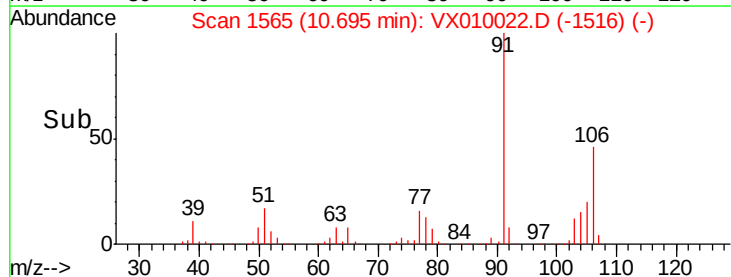
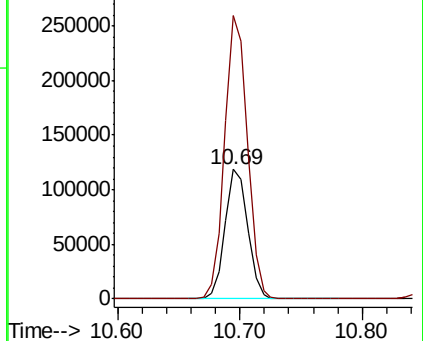
106 100

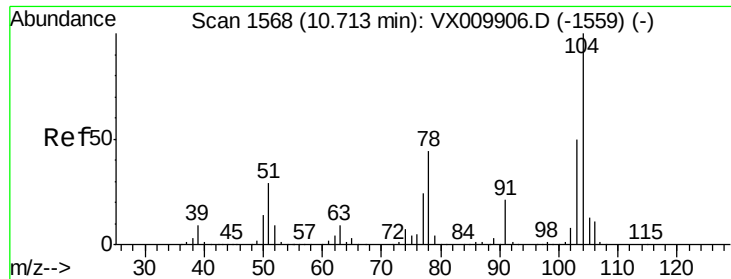
91 218.1 110.4 331.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

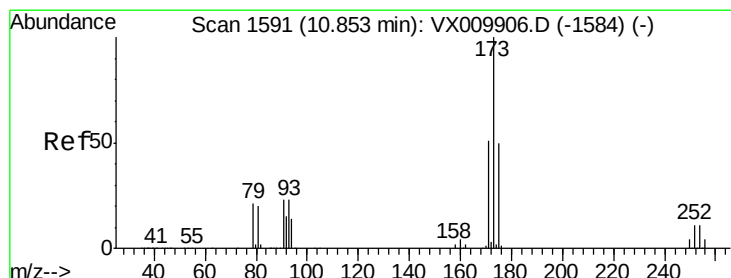
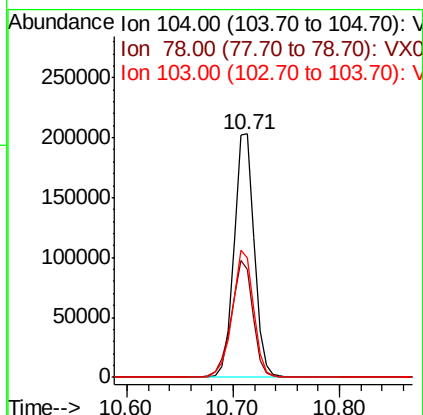
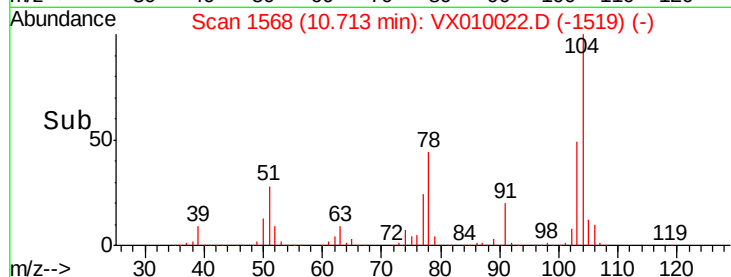
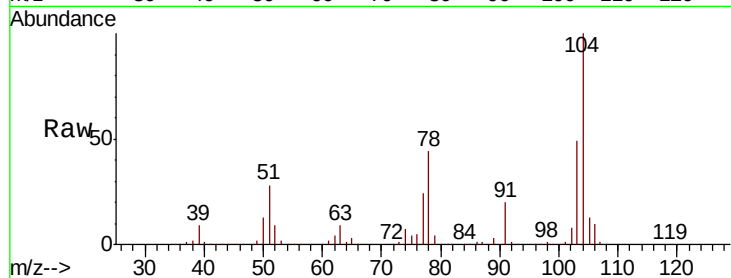




#70
Stvrene
Concen: 51.960 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

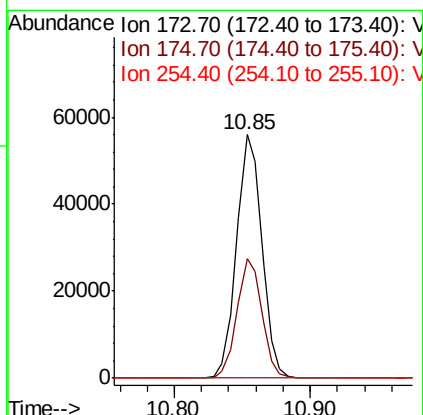
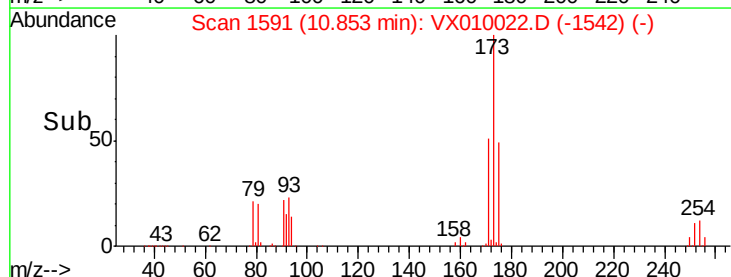
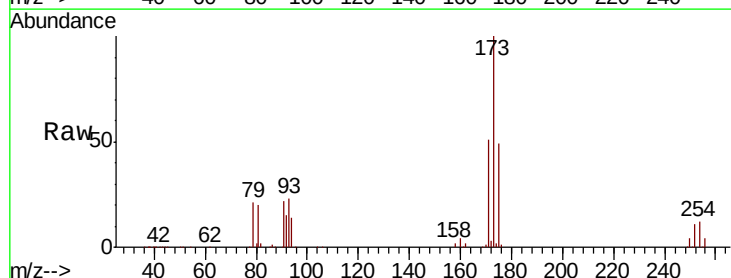
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

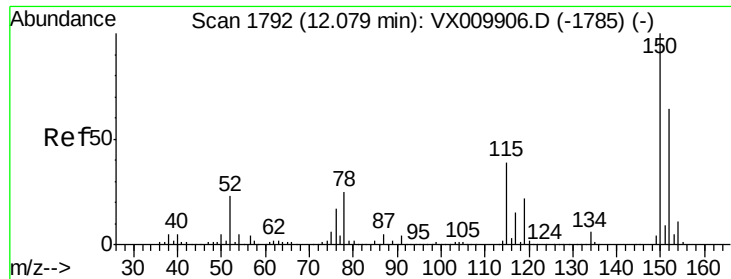
Tot Ion:104 Resp: 270632
Ion Ratio Lower Upper
104 100
78 51.4 42.1 63.1
103 55.0 44.1 66.1



#71
Bromoform
Concen: 54.901 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion:173 Resp: 72675
Ion Ratio Lower Upper
173 100
175 48.1 25.0 75.0
254 0.2 0.2 0.2



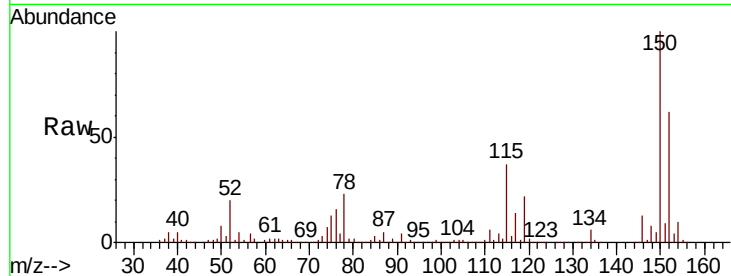


#72

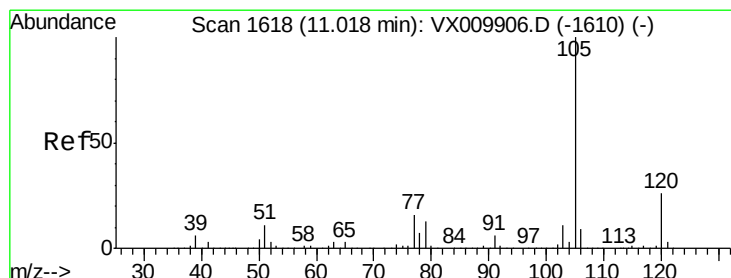
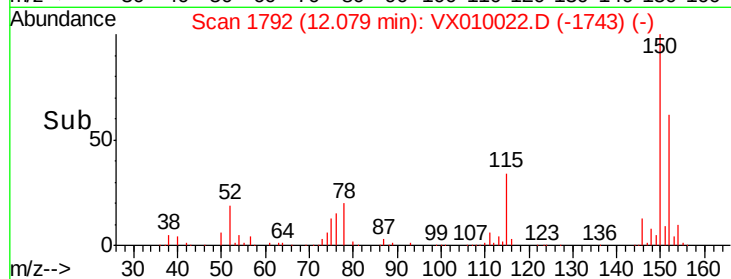
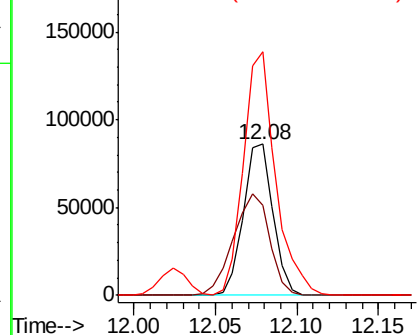
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion:152 Resp: 109522
Ion Ratio Lower Upper
152 100
115 81.6 41.4 124.2
150 174.1 0.0 345.2



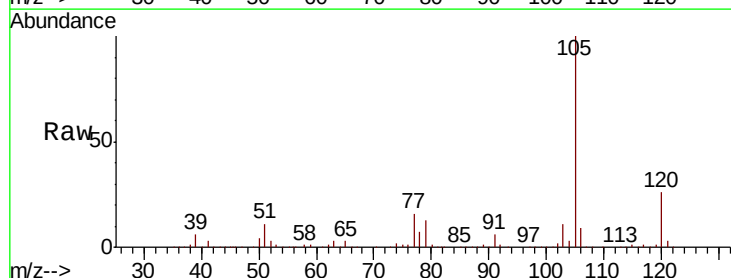
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



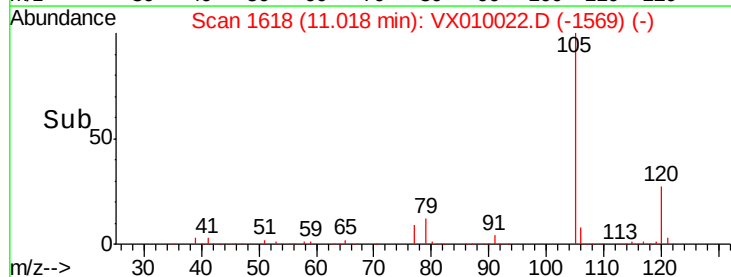
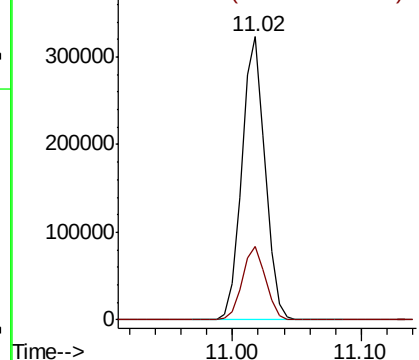
#73

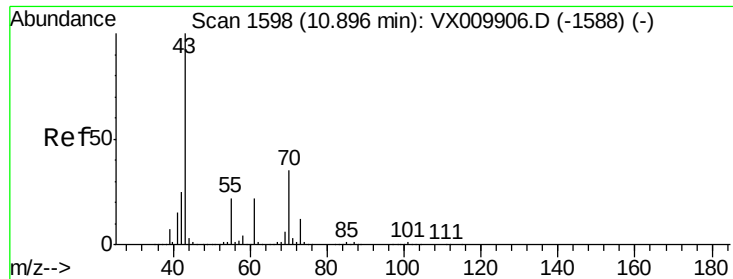
Isopropylbenzene
Concen: 49.880 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion:105 Resp: 403071
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4



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





#74

N-amvl acetate

Concen: 46.372 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 43 Resp: 223918

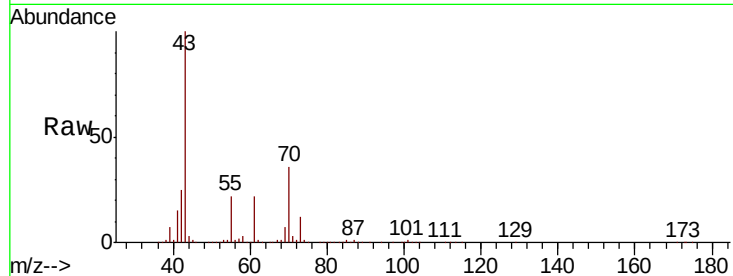
Ion Ratio Lower Upper

43 100

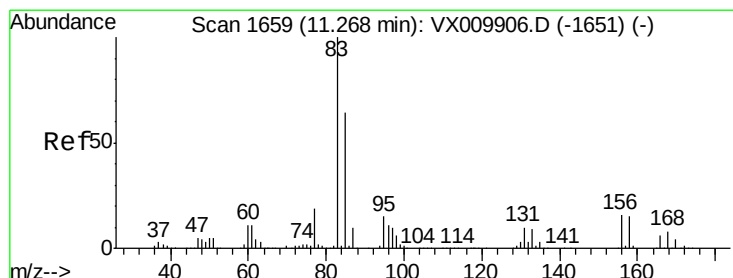
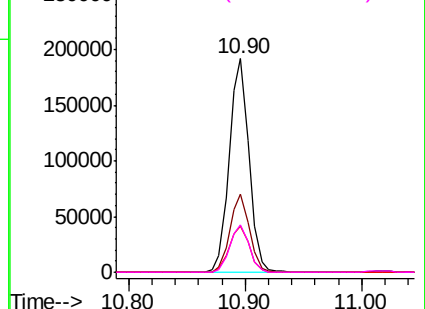
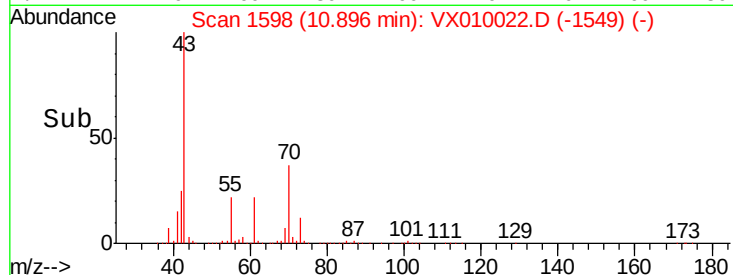
70 36.4 28.6 43.0

55 22.1 17.8 26.8

61 22.1 17.7 26.5



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: 50.740 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

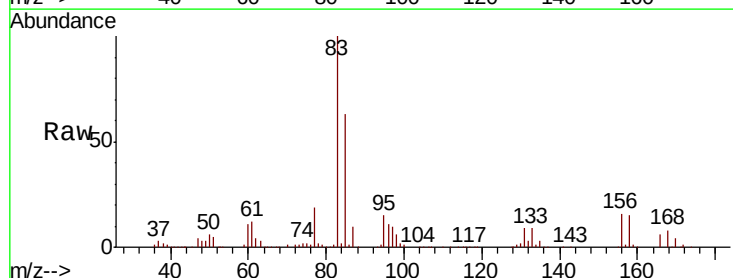
Tgt Ion: 83 Resp: 152967

Ion Ratio Lower Upper

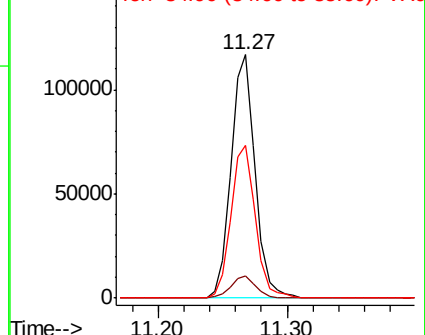
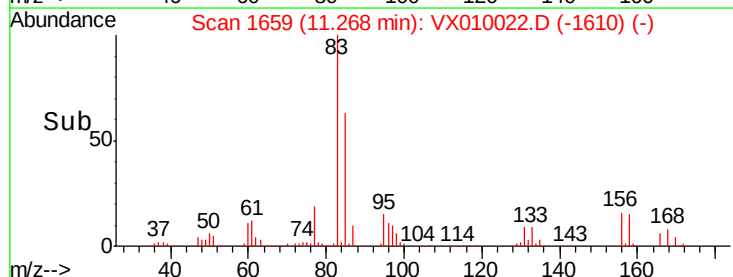
83 100

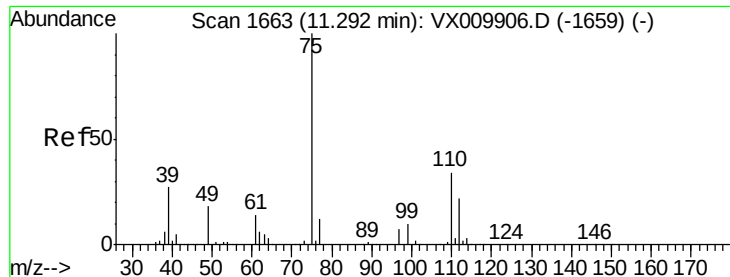
131 9.4 4.7 14.1

85 63.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 65.217 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

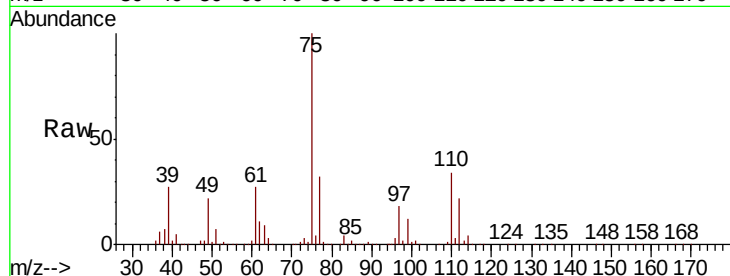
LF012MW004-190528MSD

Tot Ion: 75 Resp: 170804

Ion Ratio Lower Upper

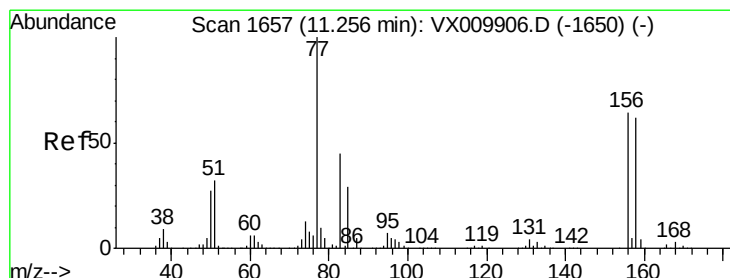
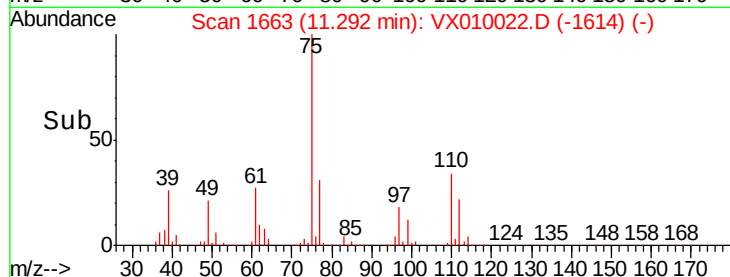
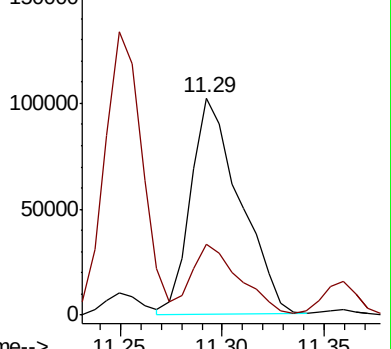
75 100

77 32.1 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 50.485 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

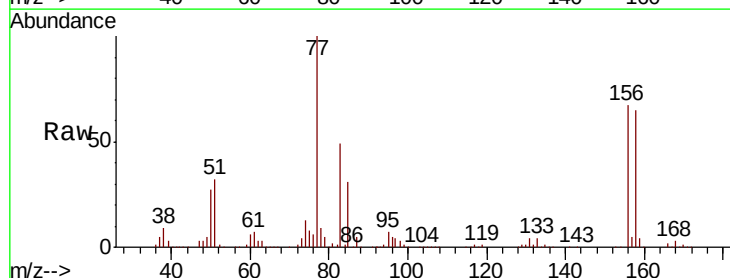
Tgt Ion: 156 Resp: 103967

Ion Ratio Lower Upper

156 100

77 164.4 86.8 260.3

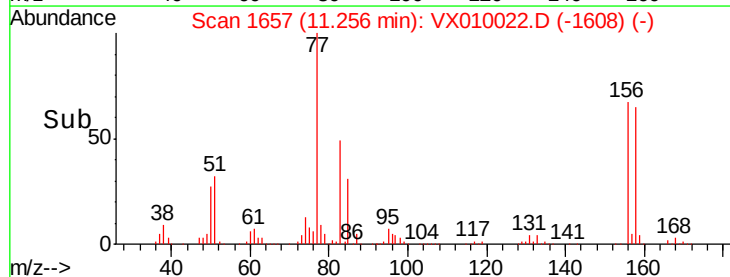
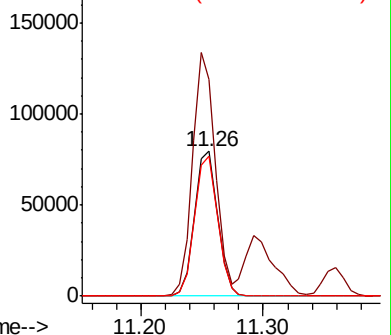
158 96.6 49.6 148.8

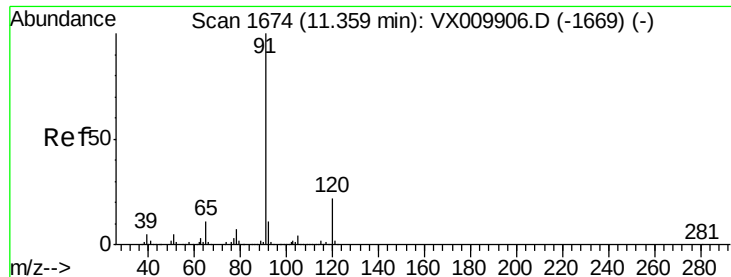


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 49.486 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

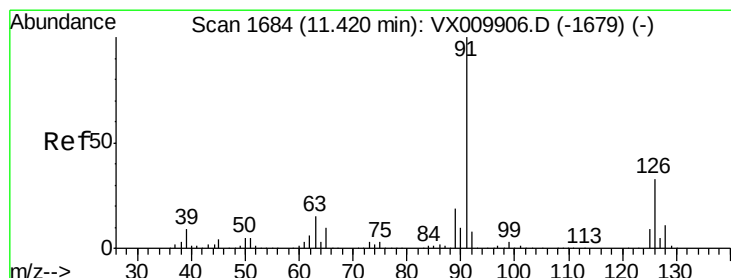
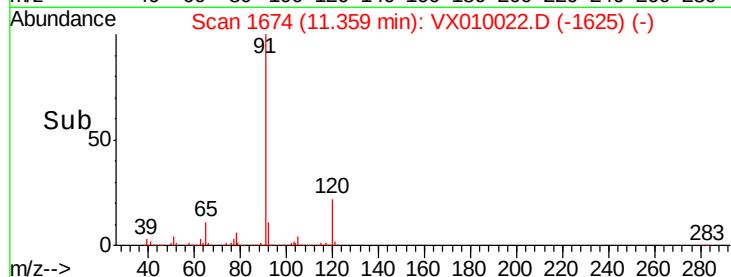
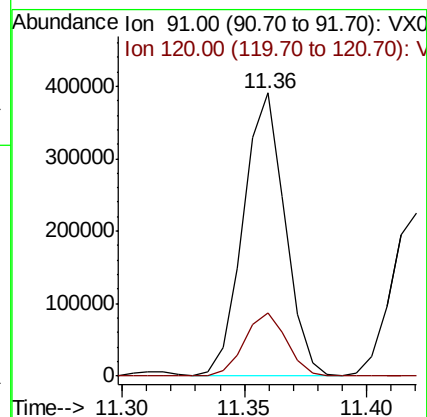
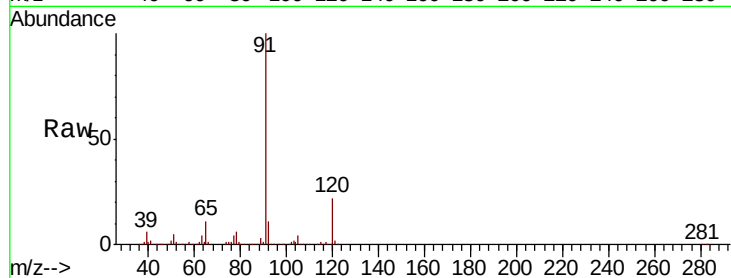
LF012MW004-190528MSD

Tot Ion: 91 Resp: 460931

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.3



#79

2-Chlorotoluene

Concen: 49.002 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010022.D

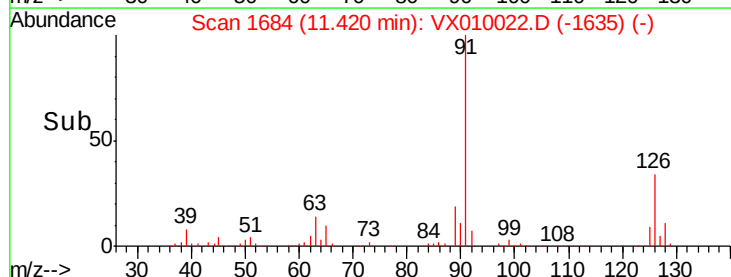
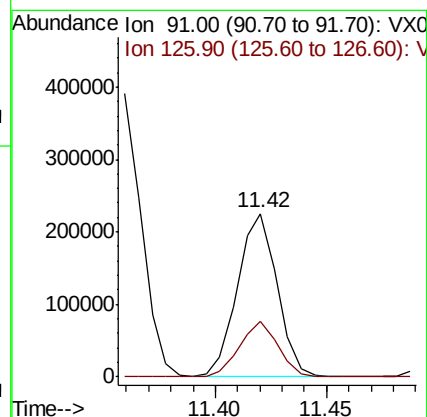
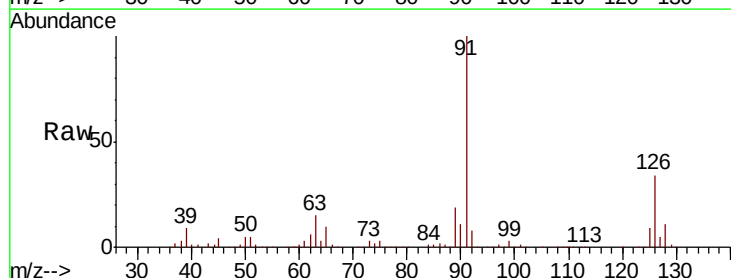
Acq: 01 Jun 2019 06:49

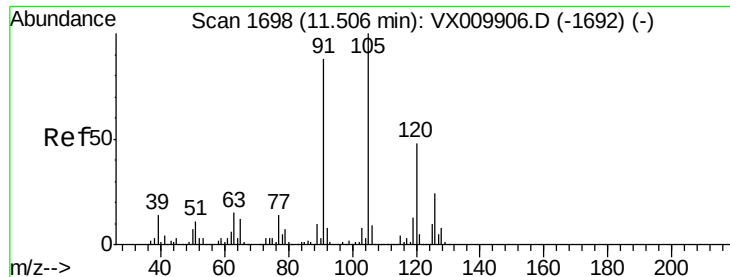
Tgt Ion: 91 Resp: 278862

Ion Ratio Lower Upper

91 100

126 33.3 16.1 48.3

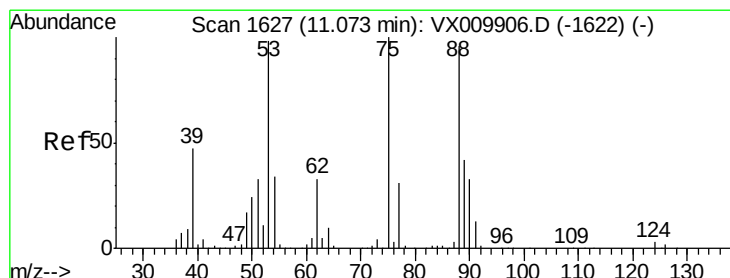
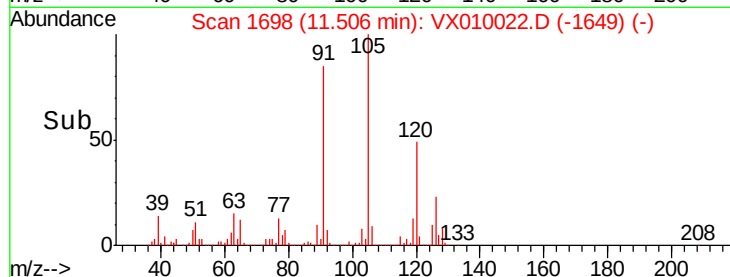
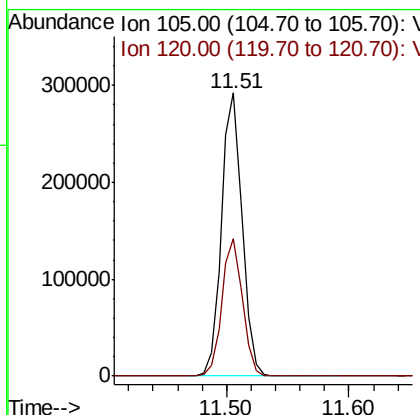
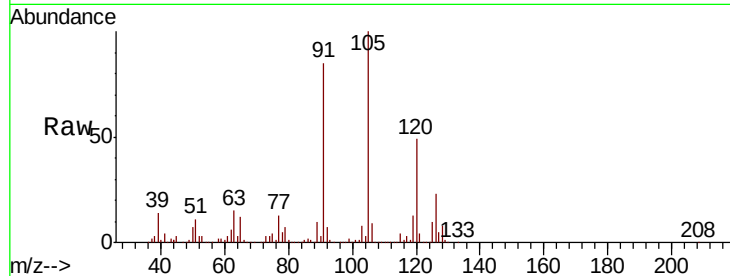




#80
 1,3,5-Trimethylbenzene
 Concen: 50.332 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

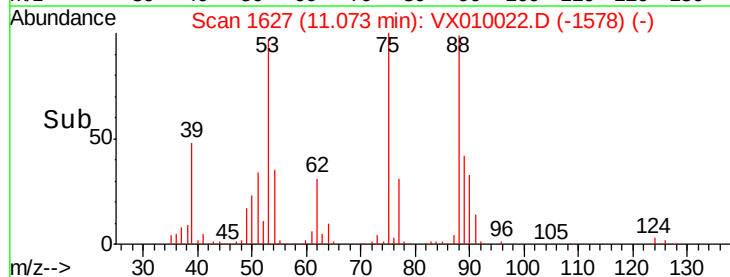
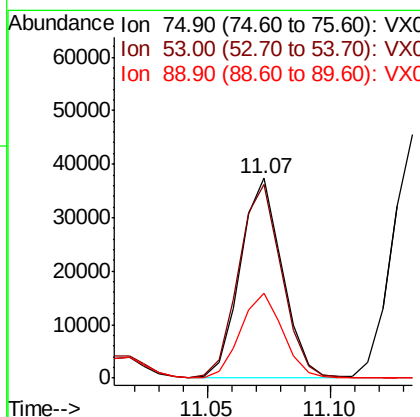
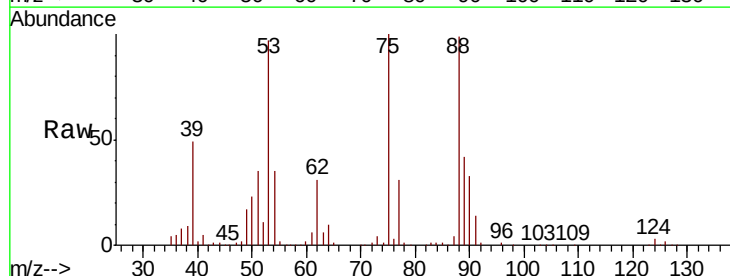
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

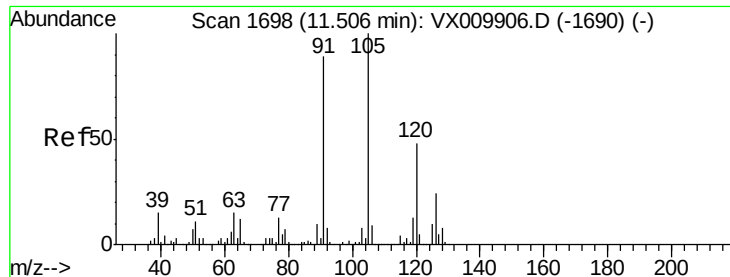
Tot Ion:105 Resp: 342647
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.753 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 75 Resp: 44197
 Ion Ratio Lower Upper
 75 100
 53 99.6 79.8 119.6
 89 43.4 34.2 51.4

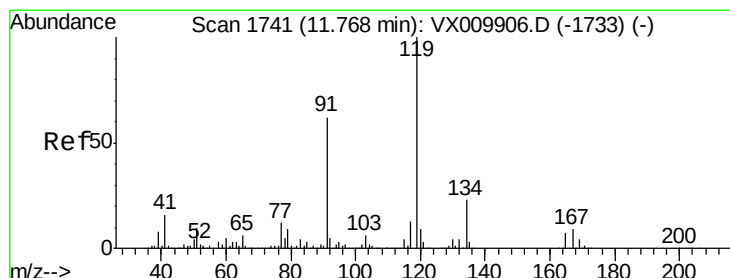
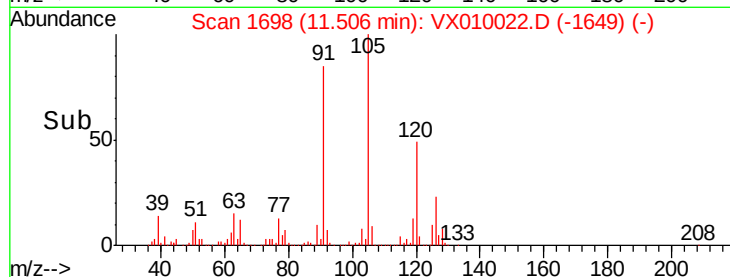
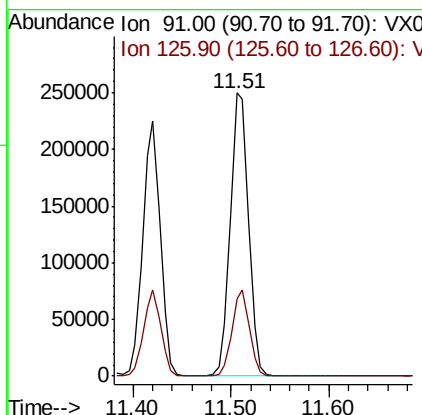
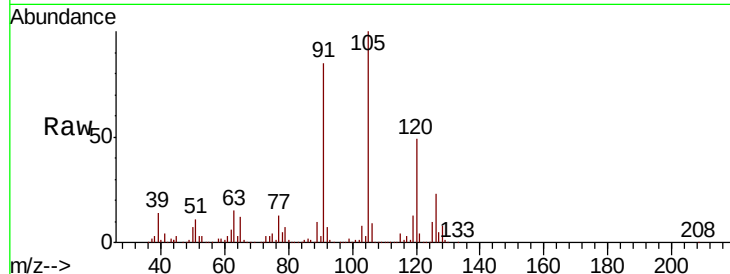




#82
4-Chlorotoluene
Concen: 48.819 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

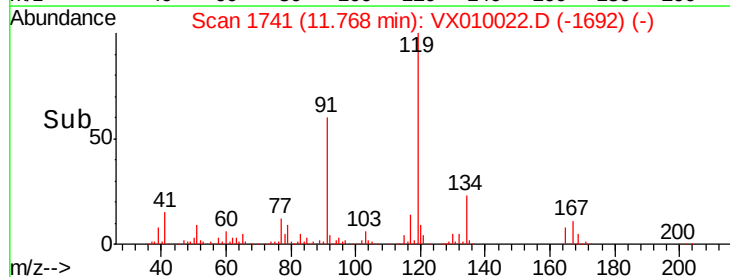
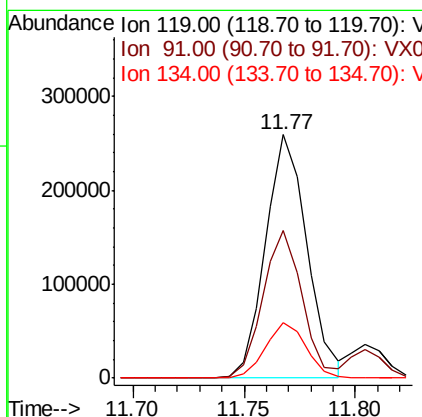
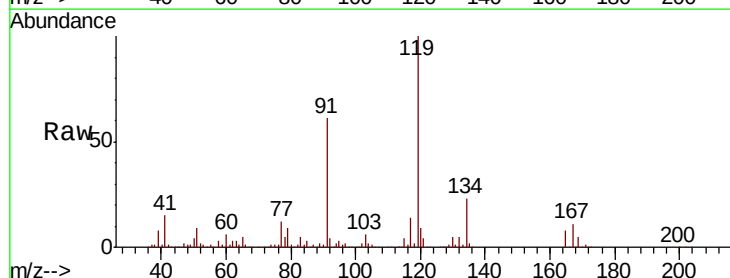
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

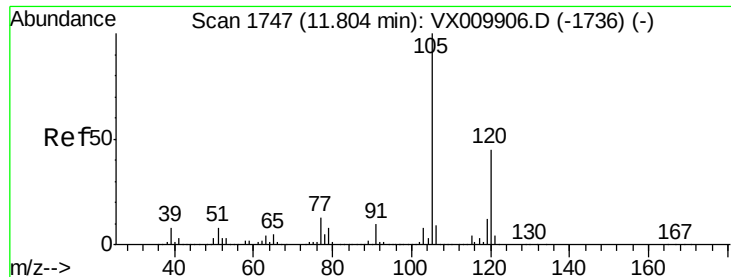
Tot Ion: 91 Resp: 323413
Ion Ratio Lower Upper
91 100
126 29.2 14.2 42.6



#83
tert-Butylbenzene
Concen: 51.467 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion: 119 Resp: 335204
Ion Ratio Lower Upper
119 100
91 57.9 30.0 90.0
134 22.4 11.2 33.5

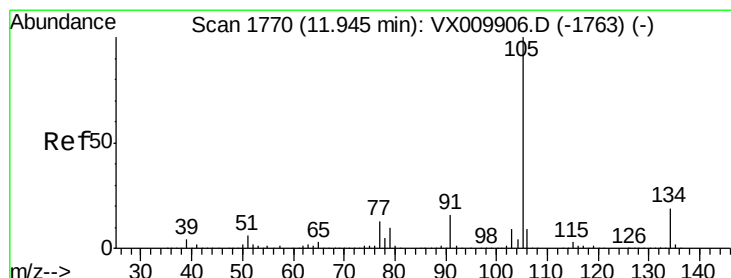
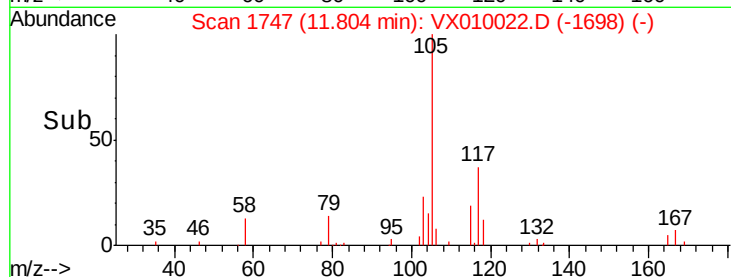
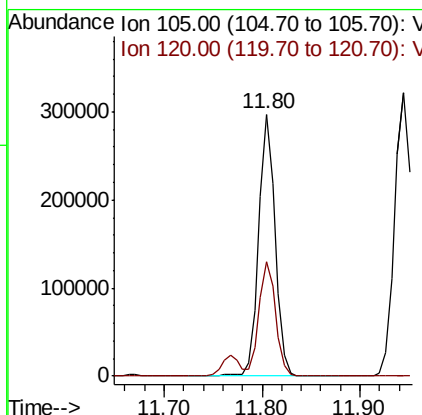
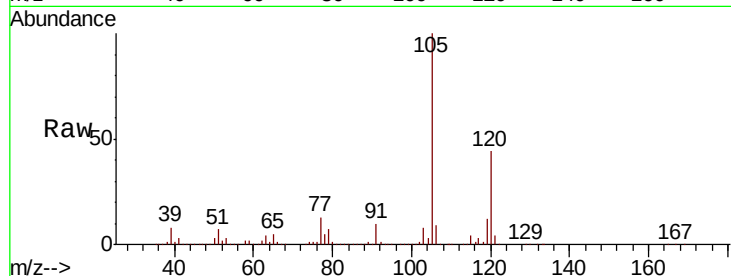




#84
 1,2,4-Trimethylbenzene
 Concen: 49.855 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

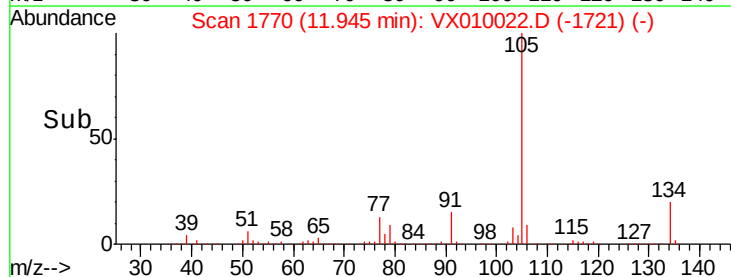
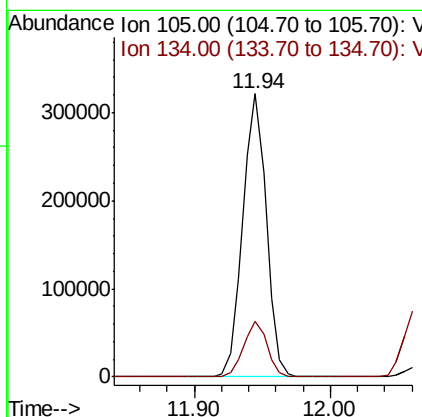
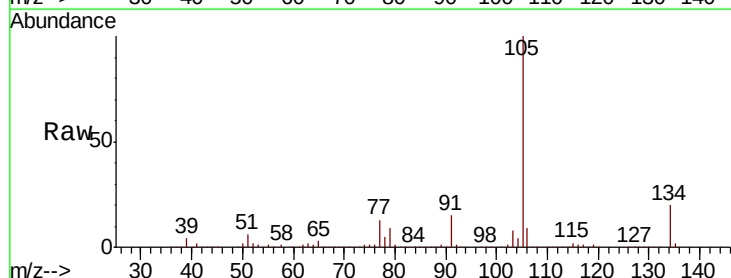
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

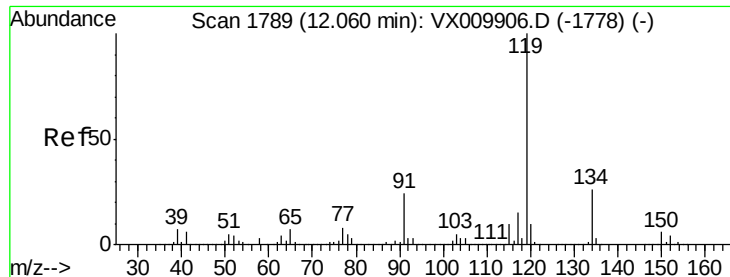
Tot Ion:105 Resp: 344676
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.1



#85
 sec-Butylbenzene
 Concen: 50.063 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion:105 Resp: 387906
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9

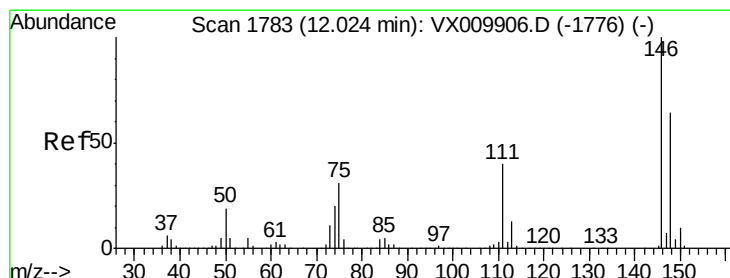
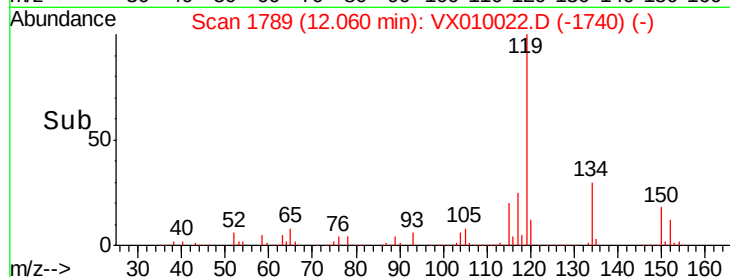
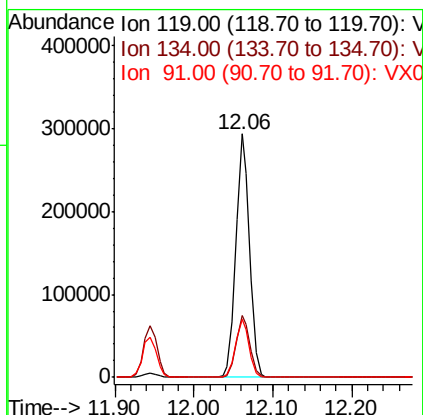
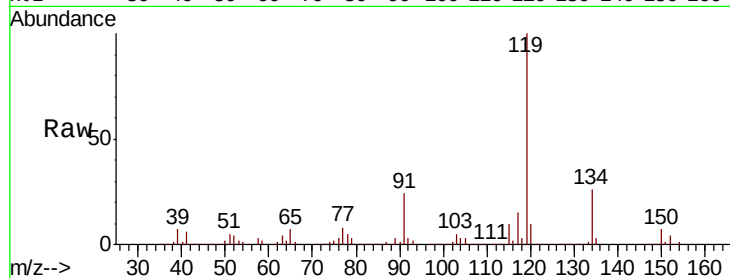




#86
p-Isopropyltoluene
Concen: 50.703 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

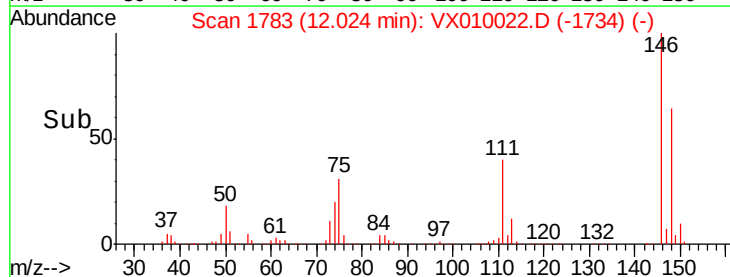
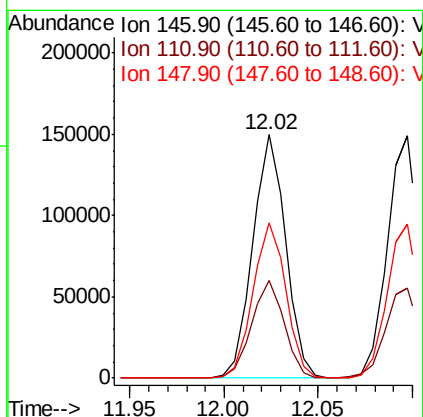
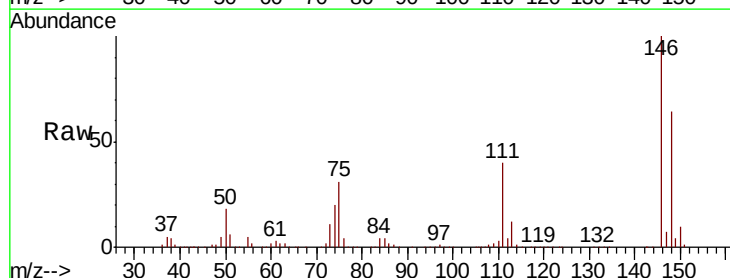
Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

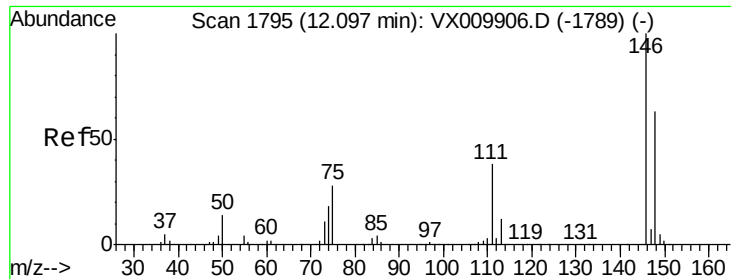
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	23.7	11.9	35.9



#87
1,3-Dichlorobenzene
Concen: 49.412 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	63.9	31.9	95.5

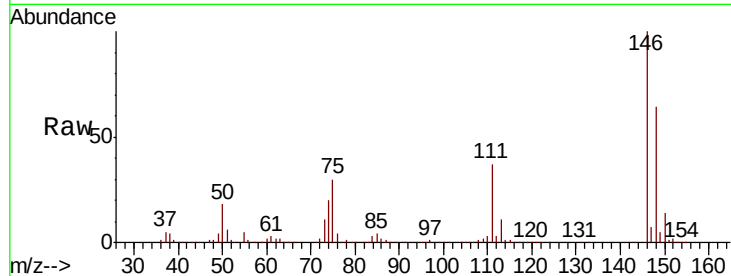




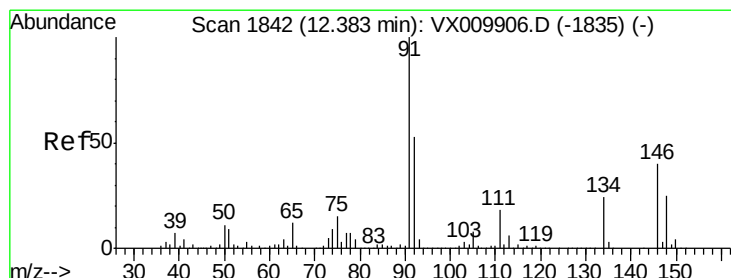
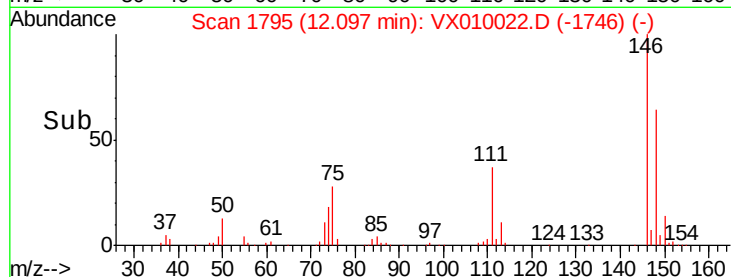
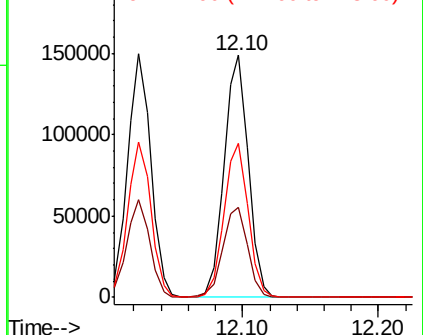
#88
 1,4-Dichlorobenzene
 Concen: 48.906 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion:146 Resp: 182863
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.0 59.9
 148 63.7 32.3 96.9

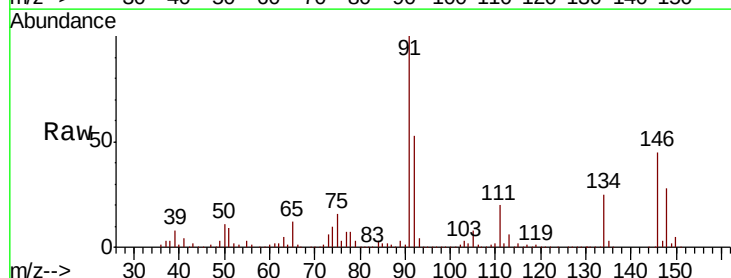


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

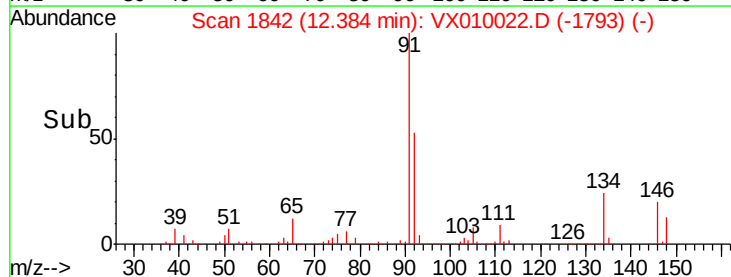
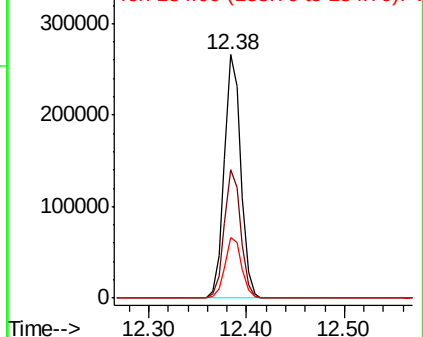


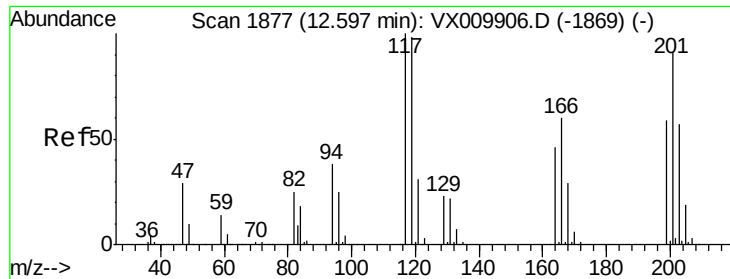
#89
 n-Butylbenzene
 Concen: 47.408 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 91 Resp: 310511
 Ion Ratio Lower Upper
 91 100
 92 52.8 26.3 78.8
 134 25.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 51.870 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

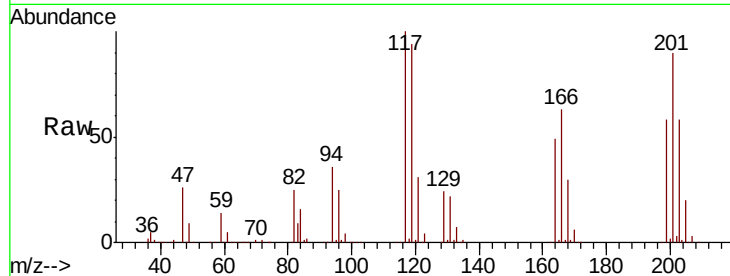
LF012MW004-190528MSD

Tot Ion:117 Resp: 62039

Ion Ratio Lower Upper

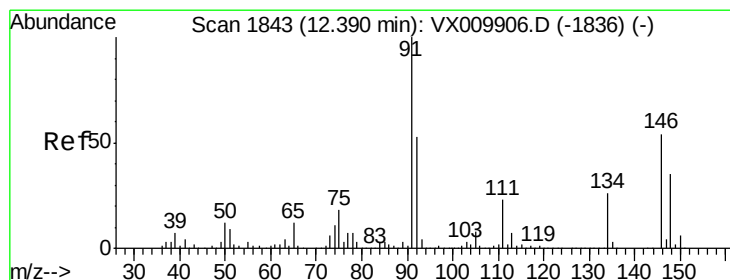
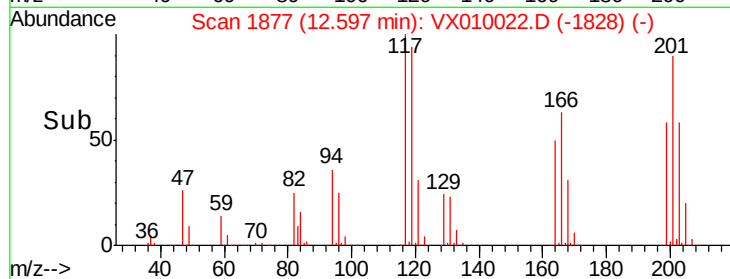
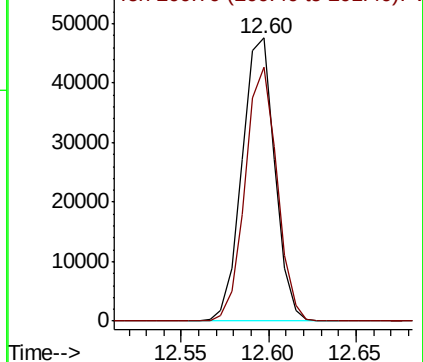
117 100

201 87.3 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 51.149 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

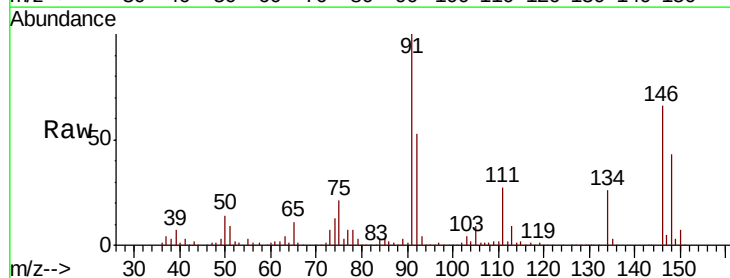
Tgt Ion:146 Resp: 184889

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.1

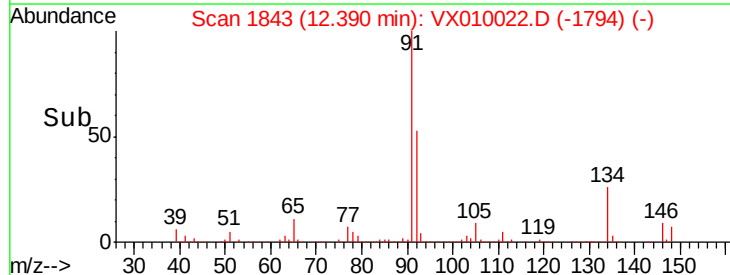
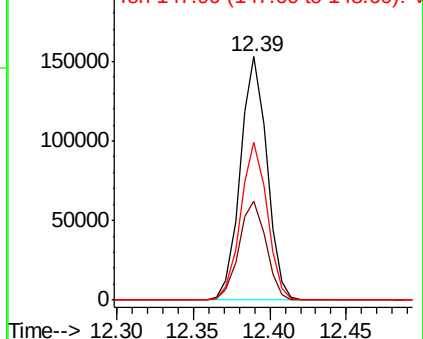
148 64.4 32.3 96.8

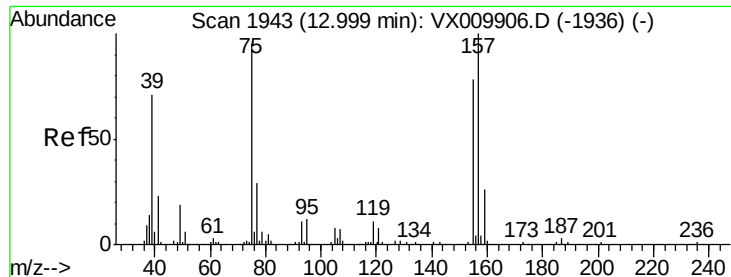


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.814 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

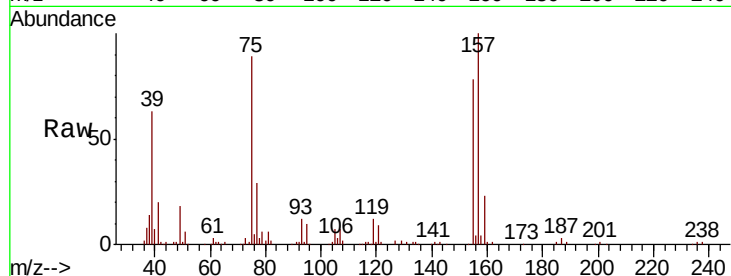
Tot Ion: 75 Resp: 34639

Ion Ratio Lower Upper

75 100

155 81.9 39.3 117.8

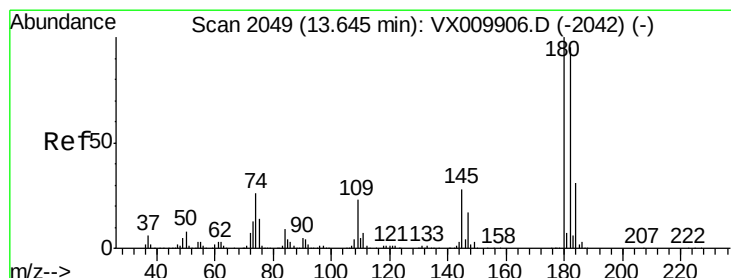
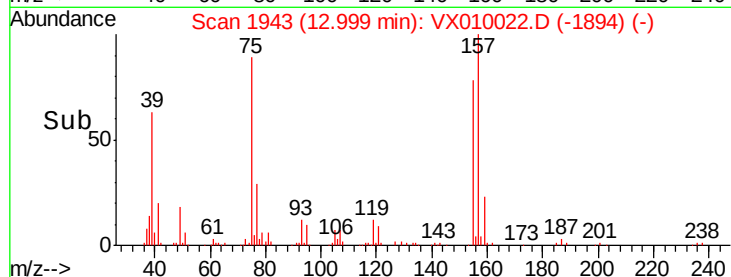
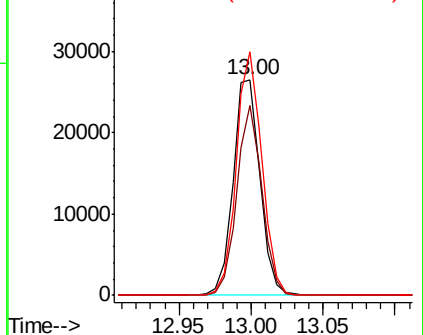
157 106.7 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 49.370 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

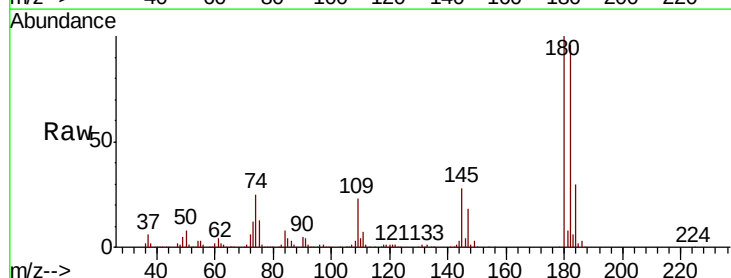
Tgt Ion: 180 Resp: 127531

Ion Ratio Lower Upper

180 100

182 94.4 47.4 142.2

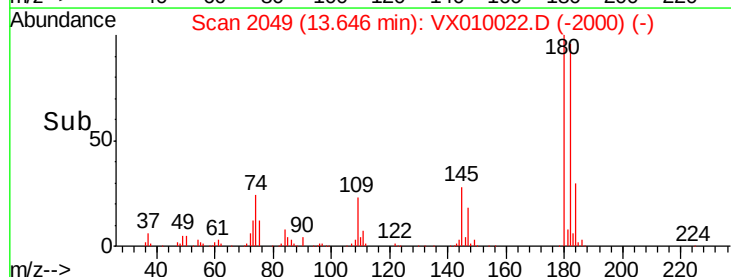
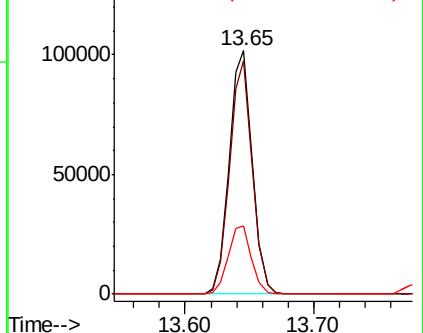
145 28.4 14.5 43.5

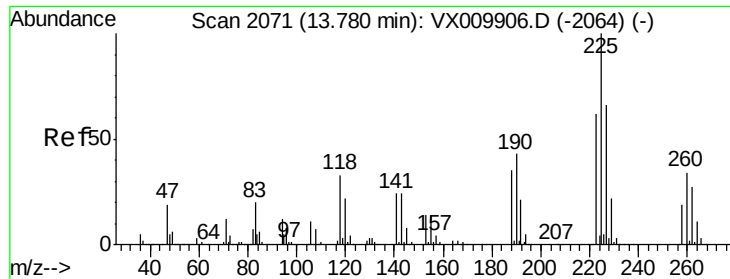


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 46.965 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

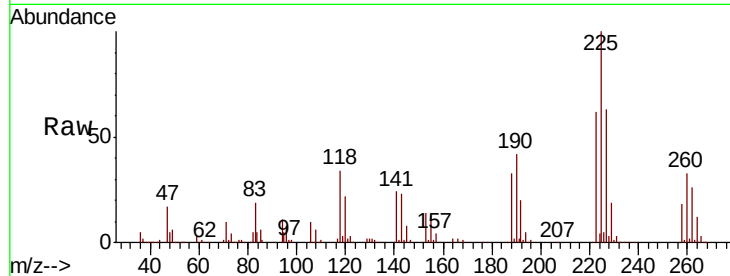
Tot Ion:225 Resp: 60850

Ion Ratio Lower Upper

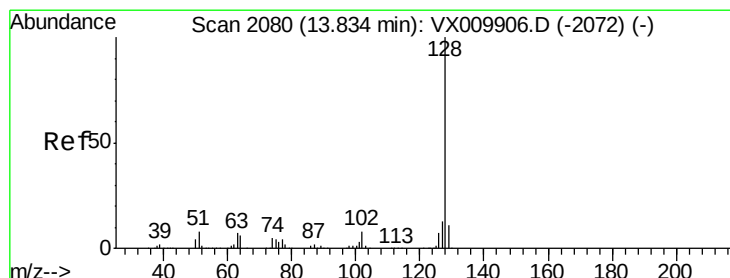
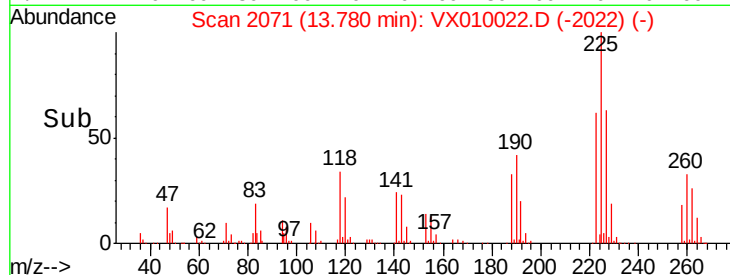
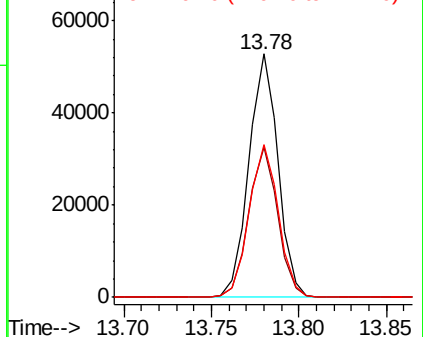
225 100

223 61.8 31.3 93.8

227 63.2 32.3 96.8



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



#95

Naphthalene

Concen: 51.442 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

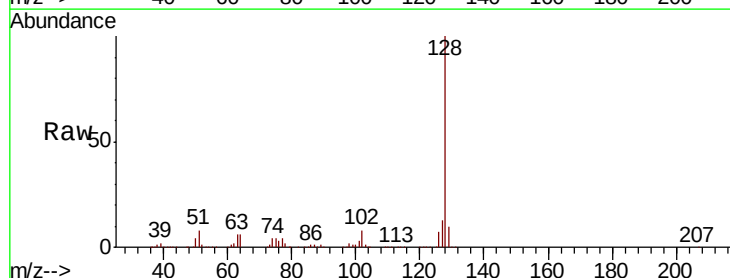
Tgt Ion:128 Resp: 413521

Ion Ratio Lower Upper

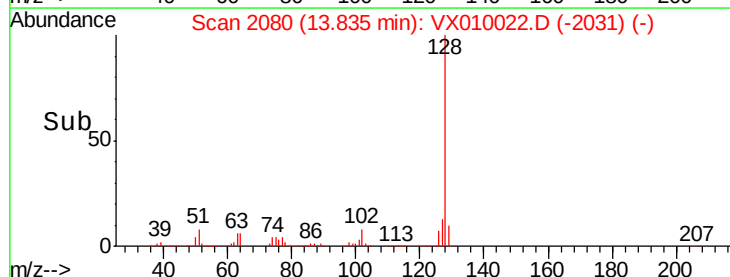
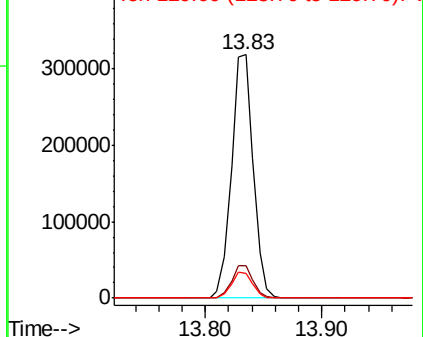
128 100

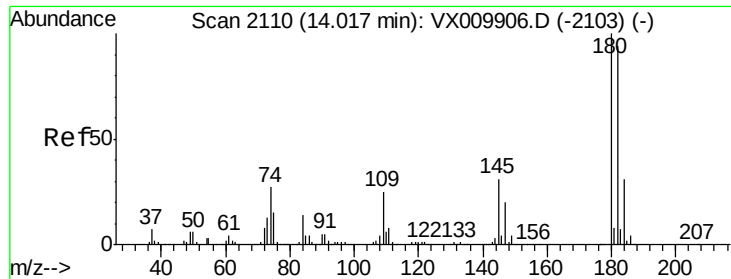
127 13.2 10.6 16.0

129 10.5 8.8 13.2



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

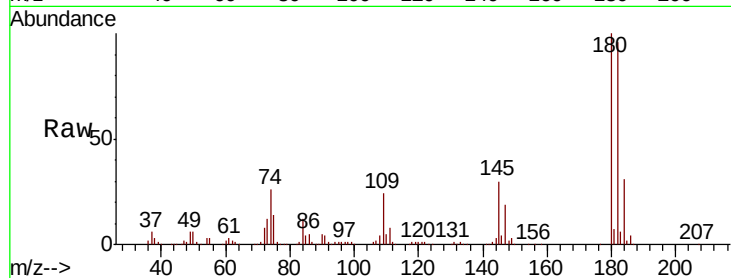




#96
 1,2,3-Trichlorobenzene
 Concen: 49.658 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	142.0
145	30.6	15.6	46.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

