

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010920.D
 Acq On : 16 Jul 2019 20:35
 Operator : JC/SP
 Sample : K3791-15MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

Quant Time: Jul 17 05:05:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366051	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	130010	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
35) Dibromofluoromethane	5.50	113	115192	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	8.71	98	437867	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.13	95	167654	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	129556	50.888	ug/l	100
3) Chloromethane	1.32	50	113856	51.866	ug/l	99
4) Vinyl Chloride	1.41	62	119835	53.520	ug/l	99
5) Bromomethane	1.64	94	60978	48.327	ug/l	96
6) Chloroethane	1.72	64	71252	50.075	ug/l	96
7) Trichlorofluoromethane	1.93	101	193545	51.065	ug/l	99
8) Diethyl Ether	2.19	74	64575	49.449	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	105198	48.610	ug/l	99
10) Methyl Iodide	2.51	142	149725	52.722	ug/l	100
11) Tert butyl alcohol	3.05	59	129723	219.338	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	107741	50.671	ug/l	97
13) Acrolein	2.29	56	79505	232.669	ug/l	99
14) Allyl chloride	2.73	41	159891	51.770	ug/l	100
15) Acrylonitrile	3.14	53	336789	281.809	ug/l	94
16) Acetone	2.45	43	257899	224.852	ug/l	98
17) Carbon Disulfide	2.57	76	286776	52.579	ug/l	100
18) Methyl Acetate	2.78	43	115589	44.258	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	353962	51.712	ug/l #	1
20) Methylene Chloride	2.85	84	118423	48.720	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	113807	50.445	ug/l	96
22) Diisopropyl ether	3.85	45	332285	51.012	ug/l	96
23) Vinyl Acetate	3.81	43	1297210	235.040	ug/l	99
24) 1,1-Dichloroethane	3.70	63	192635	50.922	ug/l	100
25) 2-Butanone	4.67	43	418878	254.411	ug/l	98
26) 2,2-Dichloropropane	4.58	77	131254	42.257	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	133010	50.942	ug/l	97
28) Bromochloromethane	5.01	49	92152	51.694	ug/l	99
29) Tetrahydrofuran	5.13	42	274207	262.919	ug/l	98
30) Chloroform	5.21	83	208460	50.982	ug/l	92
31) Cyclohexane	5.59	56	716893	207.911	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	186190	52.633	ug/l	100
36) 1,1-Dichloropropene	5.80	75	151884	50.514	ug/l	99
37) Ethyl Acetate	4.84	43	141691	46.021	ug/l	98
38) Carbon Tetrachloride	5.79	117	163870	52.301	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	871105	223.406	ug/l	98
40) Benzene	6.14	78	460131	49.958	ug/l	99
41) Methacrylonitrile	5.04	41	88122	50.419	ug/l	97
42) 1,2-Dichloroethane	6.19	62	163054	50.916	ug/l	100
43) Isopropyl Acetate	6.45	43	252457	49.867	ug/l	98
44) Trichloroethene	7.21	130	134256	49.245	ug/l	96
45) 1,2-Dichloropropane	7.51	63	116762	49.808	ug/l	98
46) Dibromomethane	7.66	93	85306	50.926	ug/l	100
47) Bromodichloromethane	7.90	83	157283	52.747	ug/l	98
48) Methyl methacrylate	7.77	41	162868	66.039	ug/l	90
49) 1,4-Dioxane	7.74	88	57501	833.515	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	861440	262.494	ug/l	99
52) Toluene	8.78	92	302635	50.018	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	170021	53.029	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	182751	51.224	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	121252	48.670	ug/l	97
56) Ethyl methacrylate	9.18	69	203685	55.893	ug/l	97
57) 1,3-Dichloropropane	9.37	76	199898	50.580	ug/l	99
59) 2-Hexanone	9.49	43	645160	253.463	ug/l	99
60) Dibromochloromethane	9.58	129	137595	48.091	ug/l	100
61) 1,2-Dibromoethane	9.67	107	137715	52.088	ug/l	100
64) Tetrachloroethene	9.34	164	118563	44.589	ug/l	98
65) Chlorobenzene	10.13	112	340023	48.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	126315	51.770	ug/l	99
67) Ethyl Benzene	10.25	91	1207831	102.214	ug/l	99
68) m/p-Xylenes	10.36	106	675017	148.919	ug/l	99
69) o-Xylene	10.69	106	229277	51.828	ug/l	99
70) Stvrene	10.71	104	381462	51.728	ug/l	99
71) Bromoform	10.85	173	105208	47.492	ug/l #	99
73) Isopropylbenzene	11.02	105	879396	73.545	ug/l	100
74) N-amyl acetate	10.90	43	212473	46.506	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	197137	50.379	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	214444	67.153	ug/l	83
77) Bromobenzene	11.26	156	162536	49.280	ug/l	98
78) n-propylbenzene	11.36	91	1308460	99.037	ug/l	99
79) 2-Chlorotoluene	11.42	91	419340	52.836	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	1071352	107.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56941	45.560	ug/l	99
82) 4-Chlorotoluene	11.51	91	531308	57.517	ug/l	92
83) tert-Butylbenzene	11.77	119	533810	54.392	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	2315061	229.888	ug/l	100
85) sec-Butylbenzene	11.94	105	676895	58.863	ug/l	98
86) p-Isopropyltoluene	12.06	119	638609	60.069	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	288762	50.449	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	285885	48.700	ug/l	99
89) n-Butylbenzene	12.38	91	583478	64.151	ug/l	89
90) Hexachloroethane	12.60	117	126133	75.221	ug/l	72
91) 1,2-Dichlorobenzene	12.39	146	279509	49.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46858	57.287	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	199164	51.806	ug/l	97

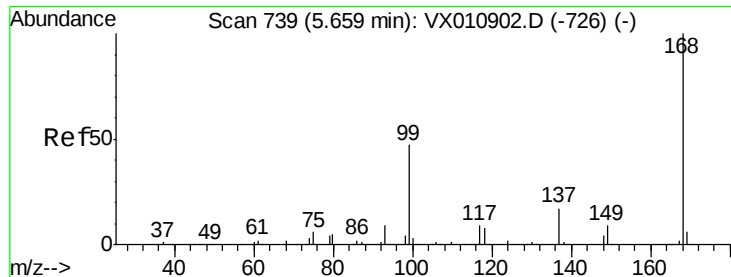
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	92461	48.533	ug/l	99
95) Naphthalene	13.83	128	788867	69.489	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	198771	51.964	ug/l	97

(#) = 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. 0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

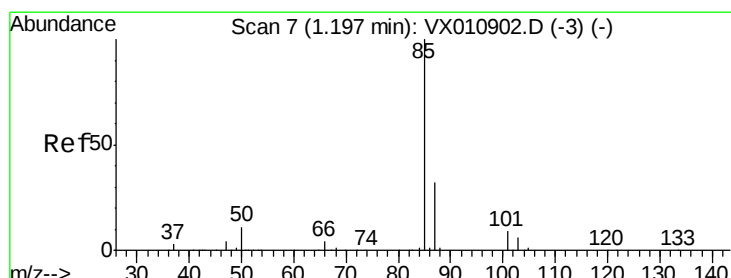
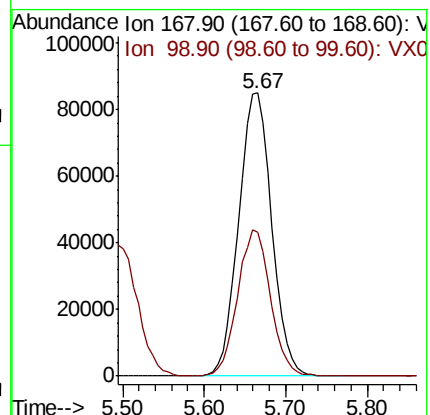
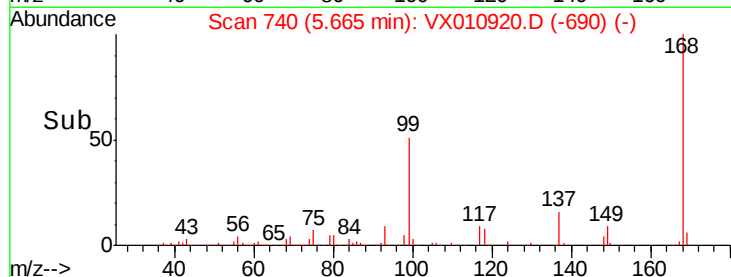
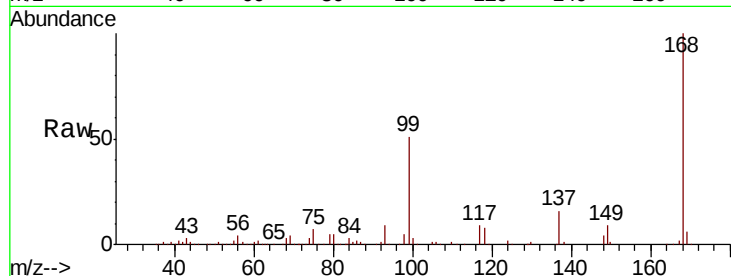
FL-0604MSD

Tot Ion:168 Resp: 238711

Ion Ratio Lower Upper

168 100

99 50.6 37.6 56.4



#2

Dichlorodifluoromethane

Concen: 50.888 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010920.D

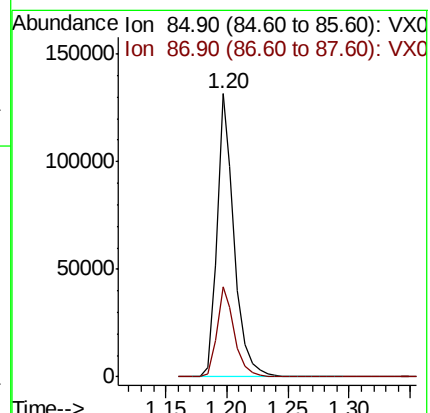
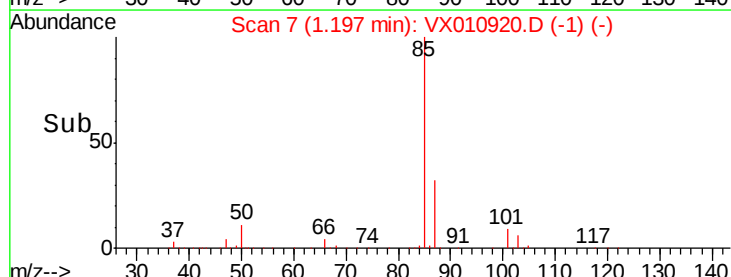
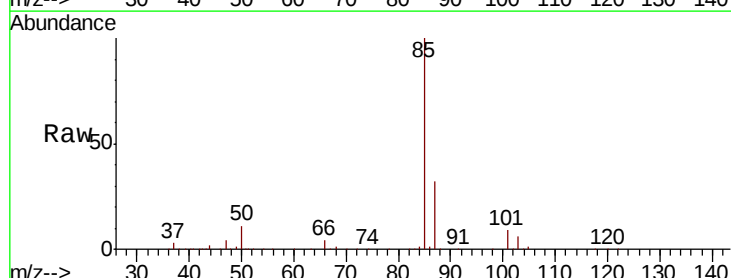
Acq: 16 Jul 2019 20:35

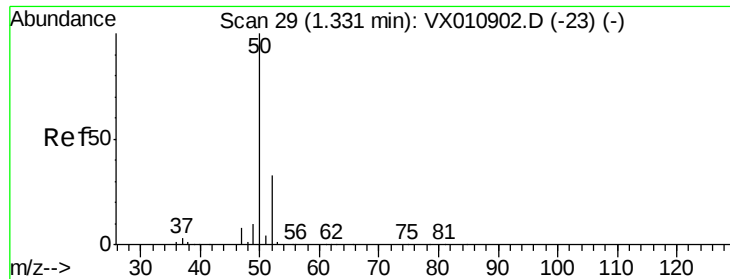
Tgt Ion: 85 Resp: 129556

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7





#3

Chloromethane

Concen: 51.866 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

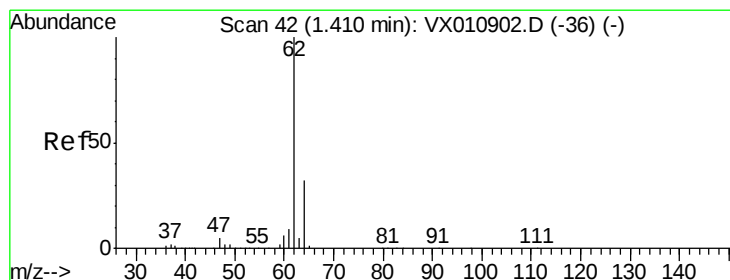
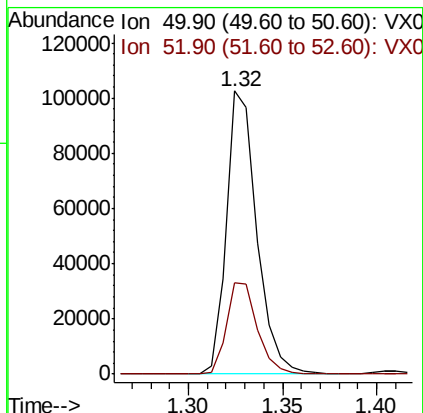
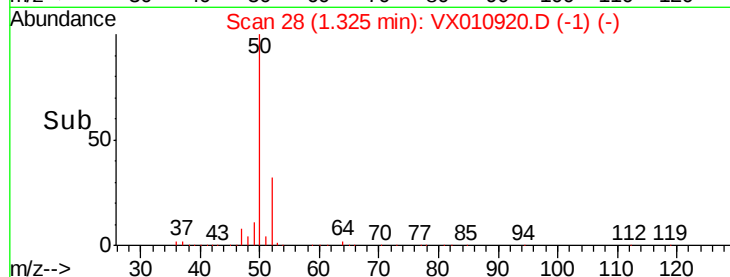
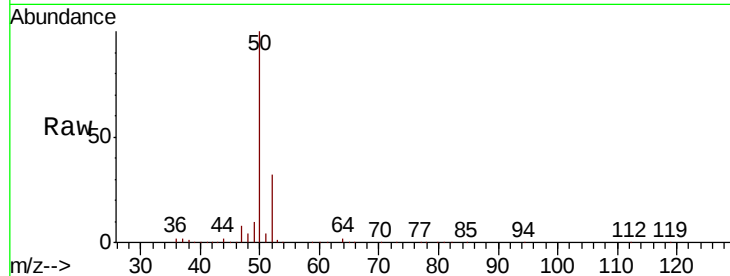
FL-0604MSD

Tot Ion: 50 Resp: 113856

Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



#4

Vinyl Chloride

Concen: 53.520 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010920.D

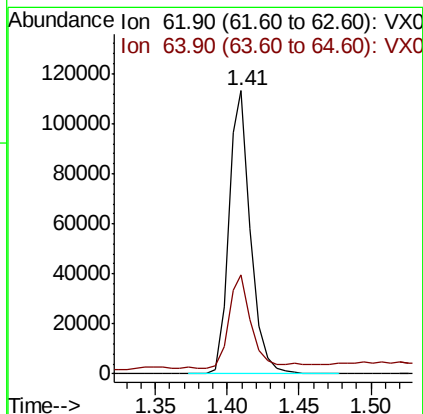
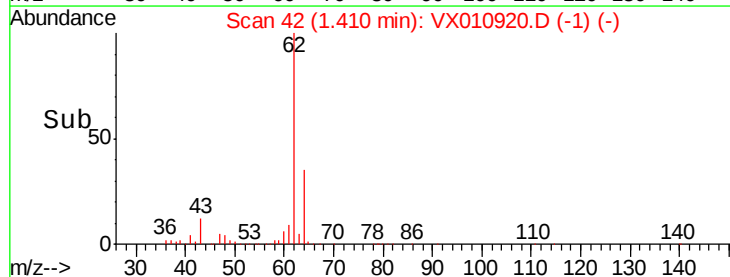
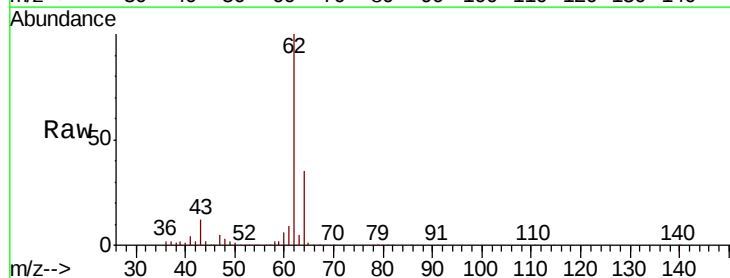
Acq: 16 Jul 2019 20:35

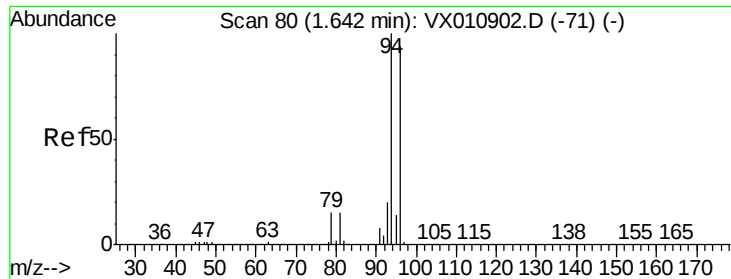
Tgt Ion: 62 Resp: 119835

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5





#5

Bromomethane

Concen: 48.327 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

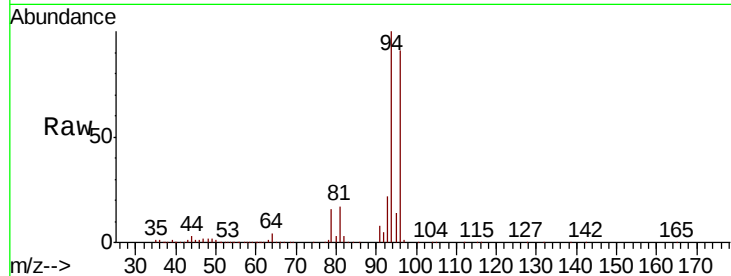
FL-0604MSD

Tot Ion: 94 Resp: 60978

Ion Ratio Lower Upper

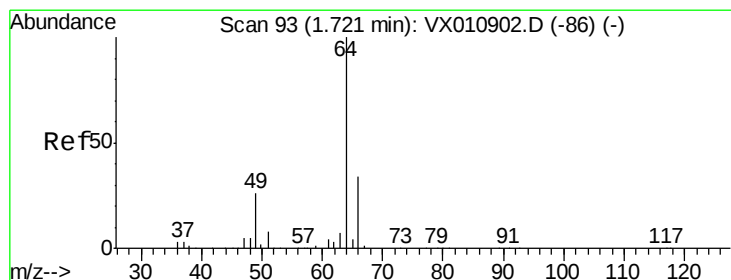
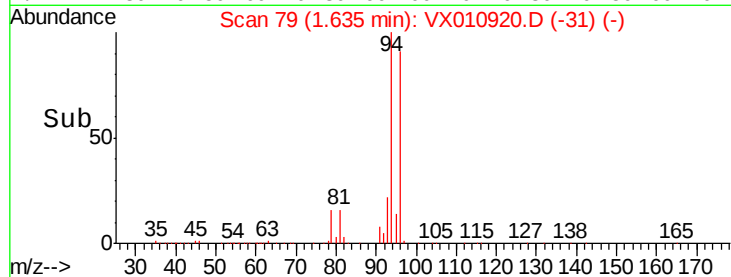
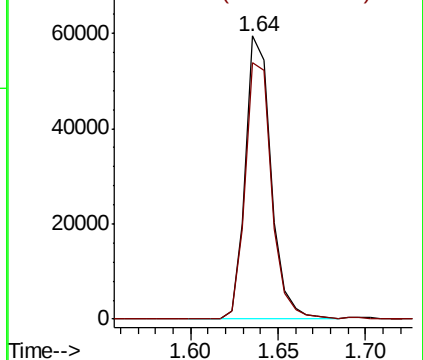
94 100

96 90.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.075 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX010920.D

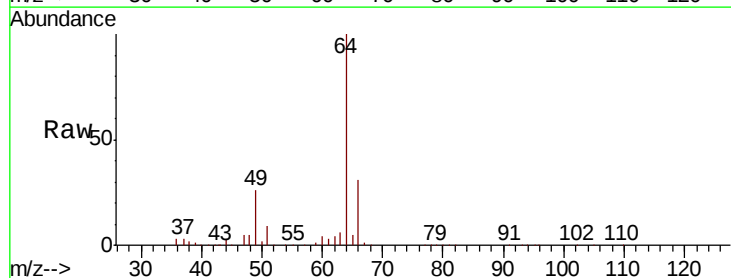
Acq: 16 Jul 2019 20:35

Tgt Ion: 64 Resp: 71252

Ion Ratio Lower Upper

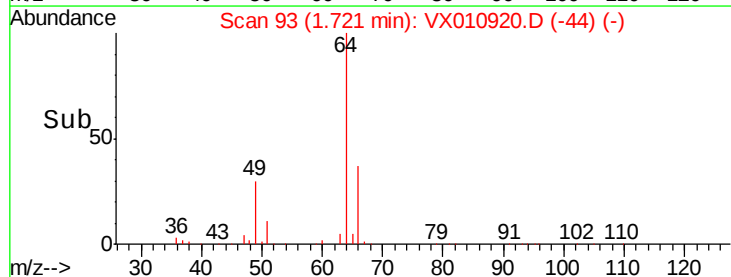
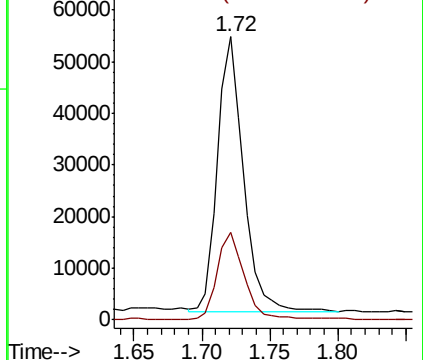
64 100

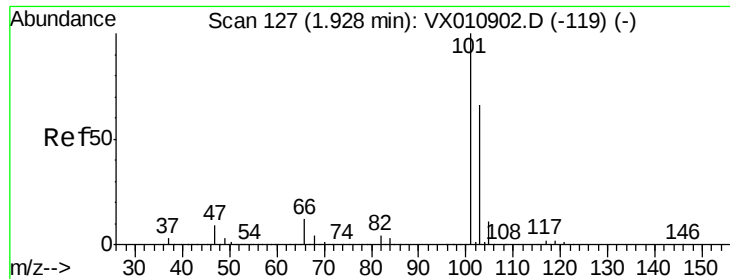
66 31.5 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



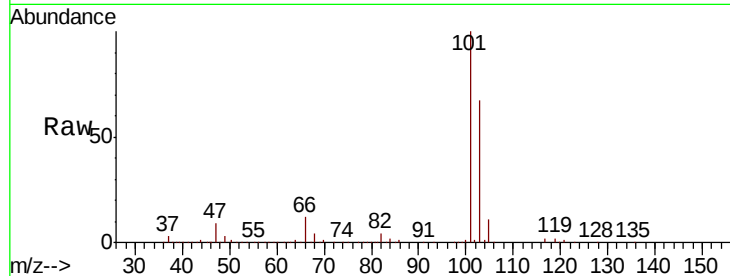


#7

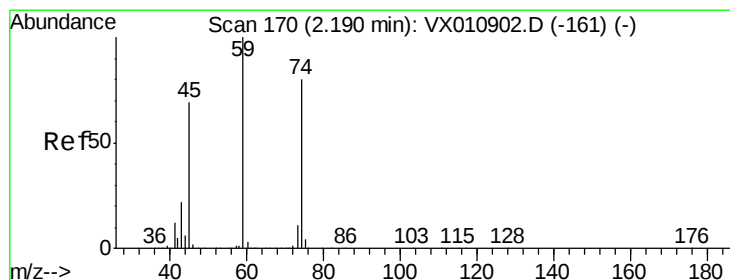
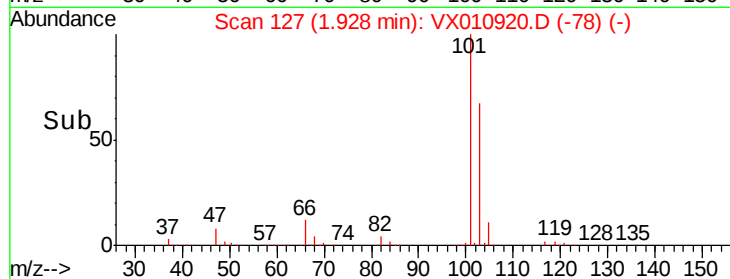
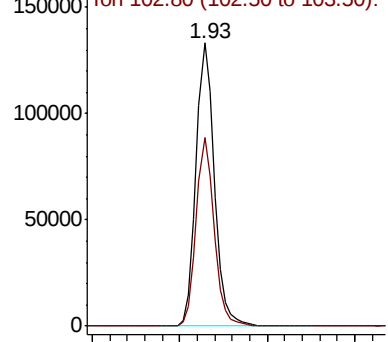
Trichlorofluoromethane
 Concen: 51.065 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0604MSD

Tot Ion:101 Resp: 193545
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.6 78.8



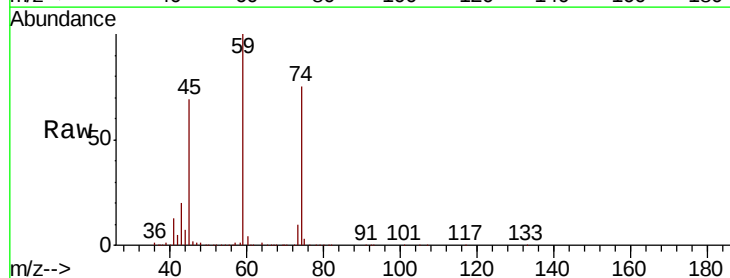
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



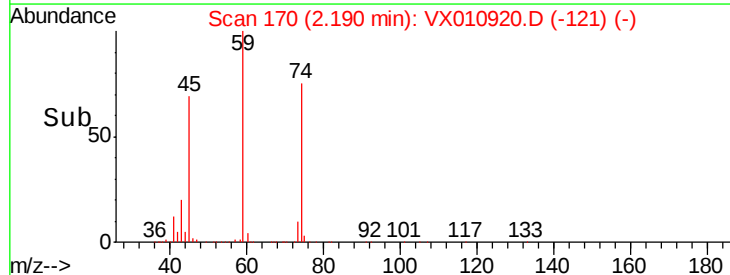
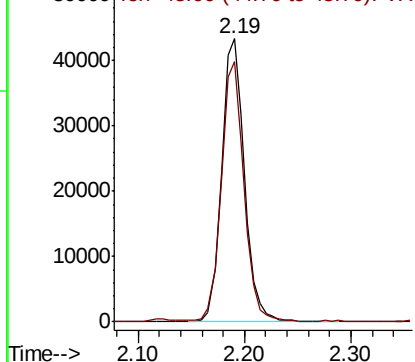
#8

Diethyl Ether
 Concen: 49.449 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion: 74 Resp: 64575
 Ion Ratio Lower Upper
 74 100
 45 90.5 45.5 136.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.610 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

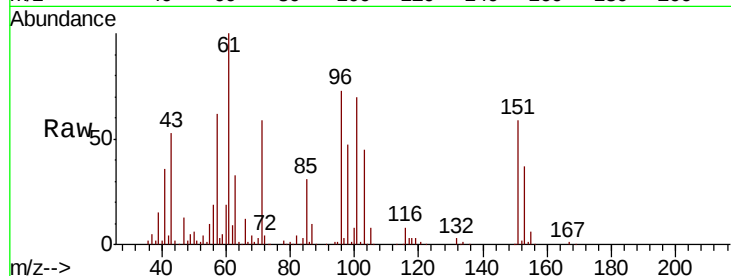
Tot Ion:101 Resp: 105198

Ion Ratio Lower Upper

101 100

85 43.2 34.6 52.0

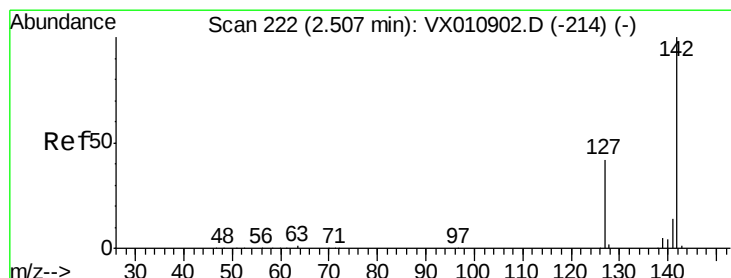
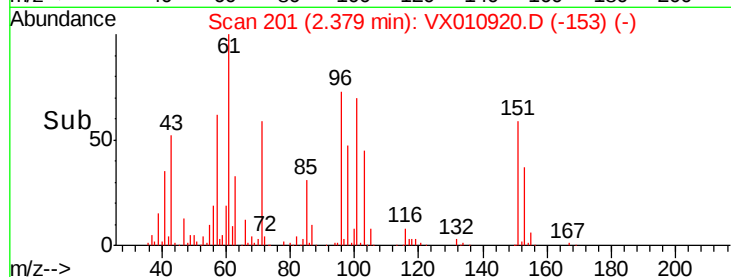
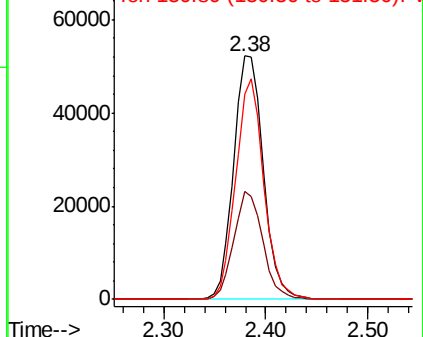
151 85.7 69.6 104.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.722 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

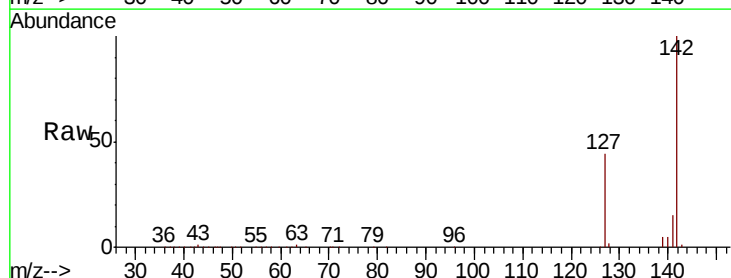
Tgt Ion:142 Resp: 149725

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.4

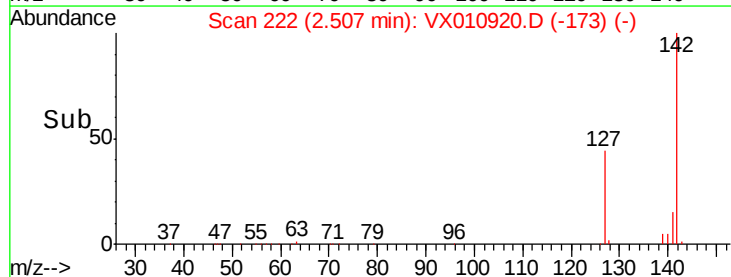
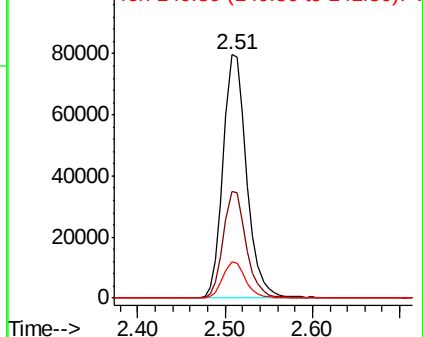
141 14.3 11.7 17.5

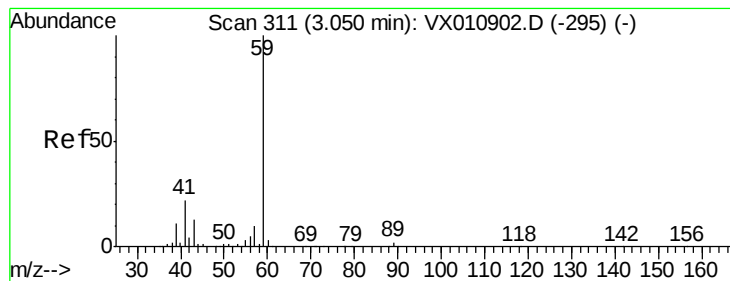


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



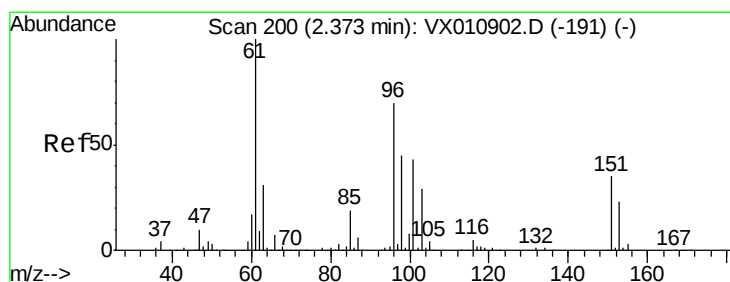
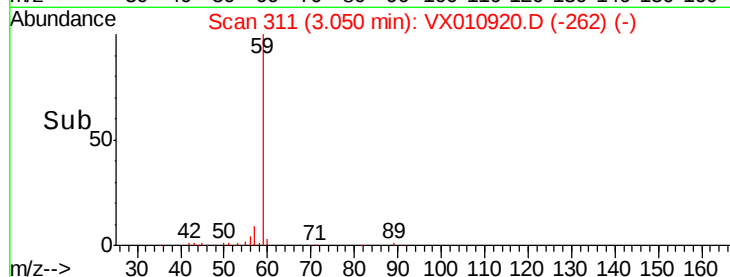
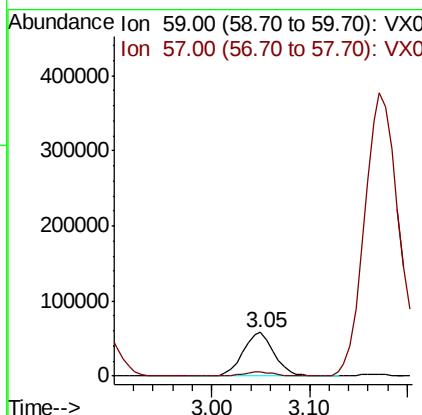
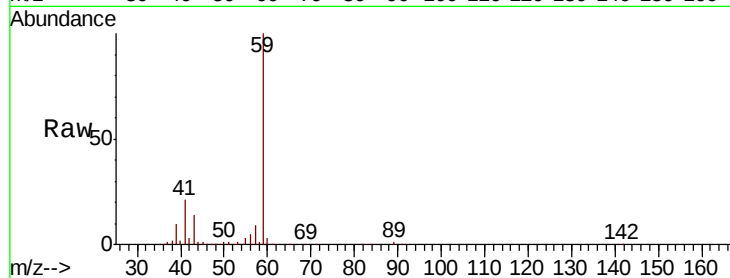


#11

Tert butyl alcohol
 Concen: 219.338 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

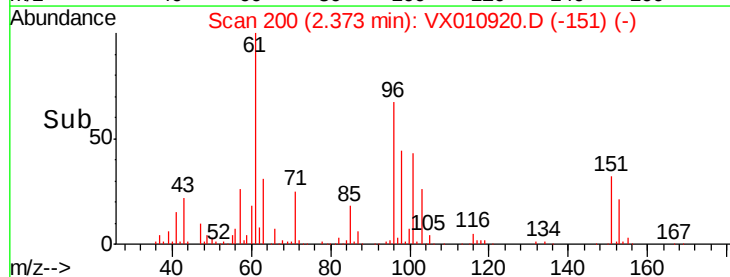
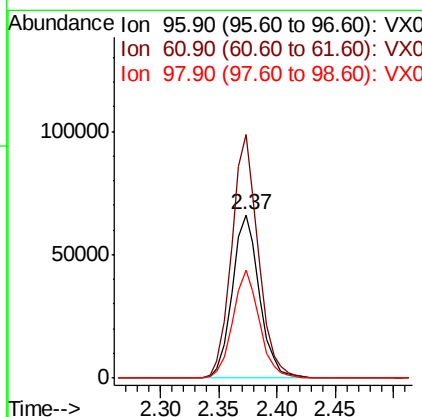
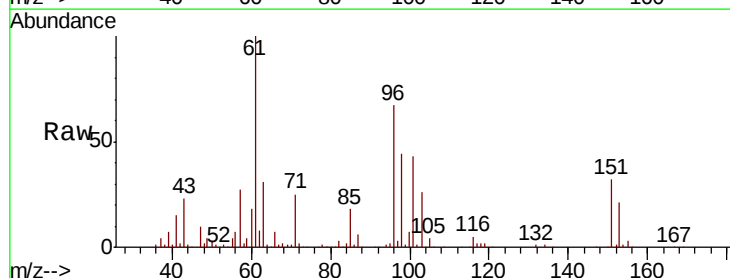
Tot Ion: 59 Resp: 129723
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

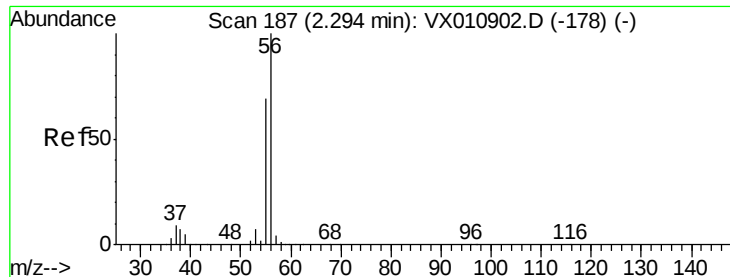


#12

1,1-Dichloroethene
 Concen: 50.671 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion: 96 Resp: 107741
 Ion Ratio Lower Upper
 96 100
 61 149.1 115.0 172.4
 98 66.3 52.2 78.2





#13

Acrolein

Concen: 232.669 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

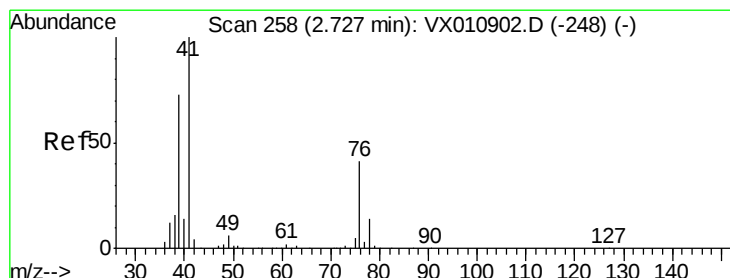
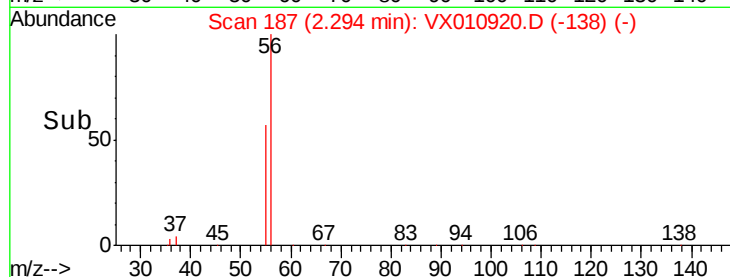
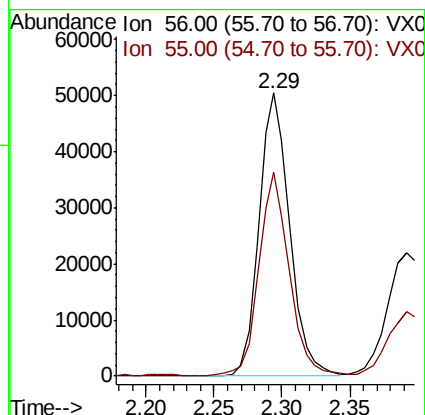
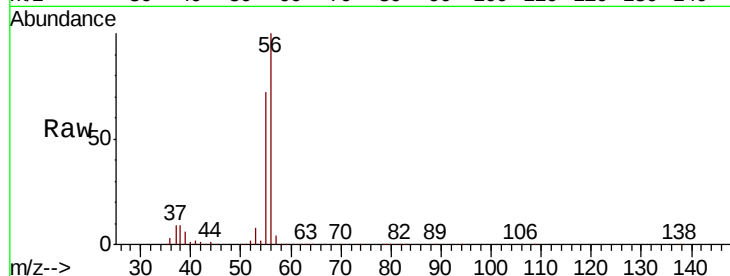
FL-0604MSD

Tot Ion: 56 Resp: 79505

Ion Ratio Lower Upper

56 100

55 70.7 55.9 83.9



#14

Allyl chloride

Concen: 51.770 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

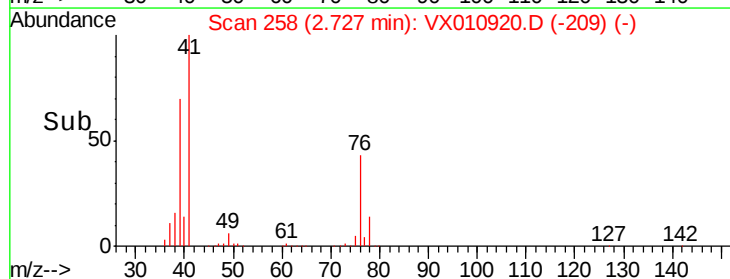
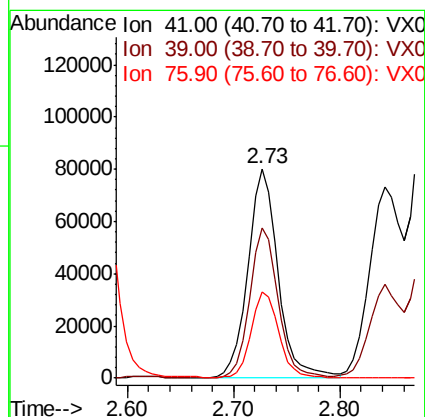
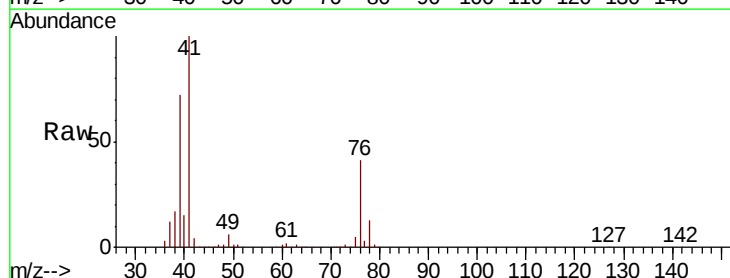
Tgt Ion: 41 Resp: 159891

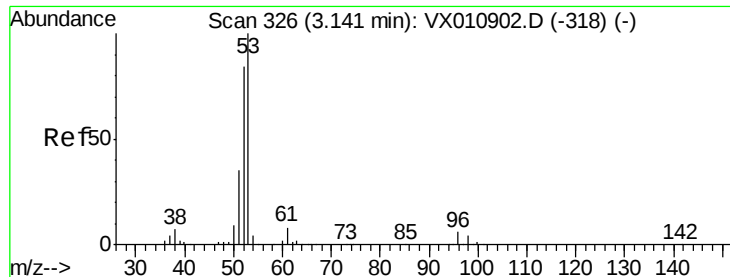
Ion Ratio Lower Upper

41 100

39 67.3 53.6 80.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 281.809 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

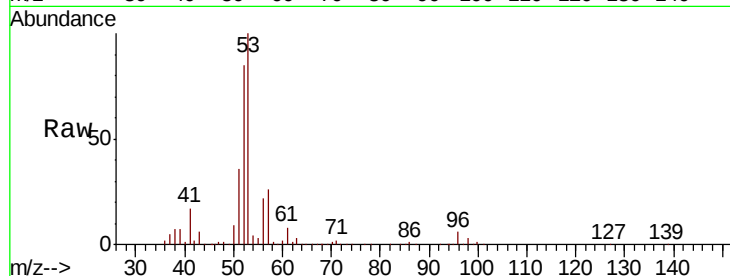
Tot Ion: 53 Resp: 336789

Ion Ratio Lower Upper

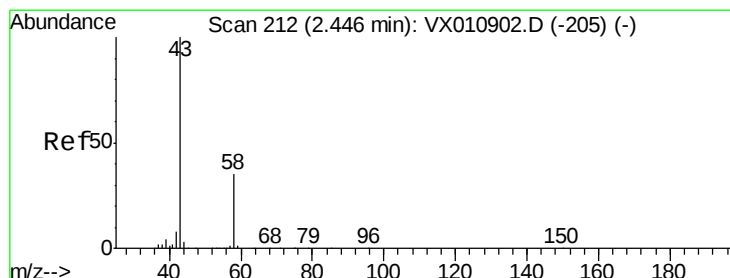
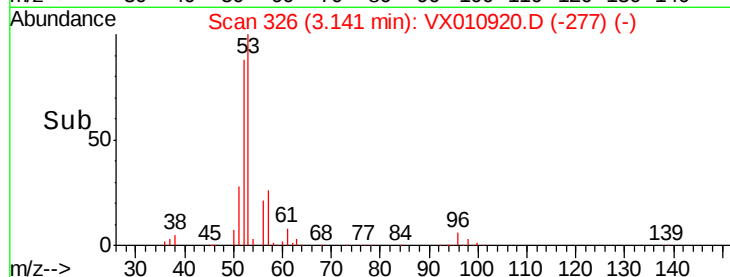
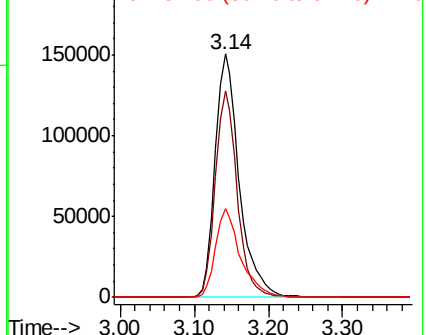
53 100

52 77.2 66.5 99.7

51 37.7 28.2 42.4



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



#16

Acetone

Concen: 224.852 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010920.D

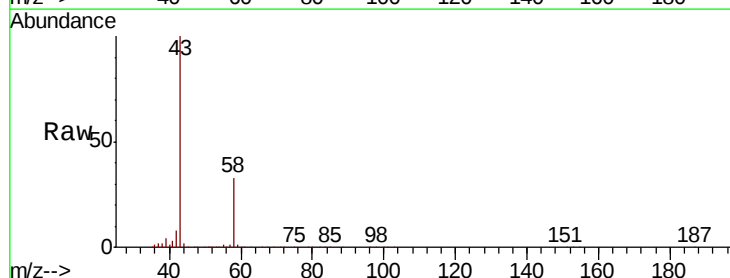
Acq: 16 Jul 2019 20:35

Tgt Ion: 43 Resp: 257899

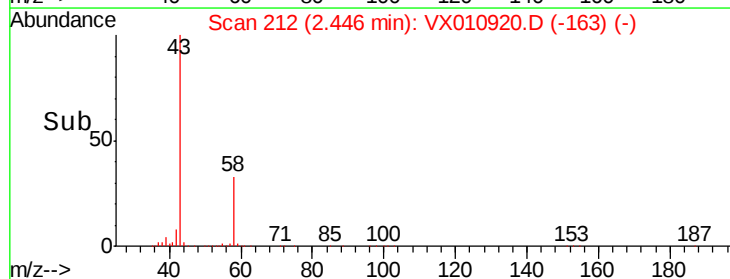
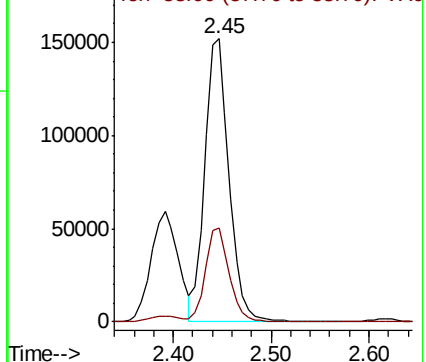
Ion Ratio Lower Upper

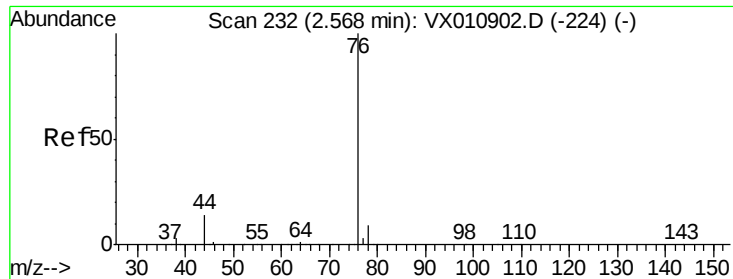
43 100

58 33.4 27.7 41.5



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

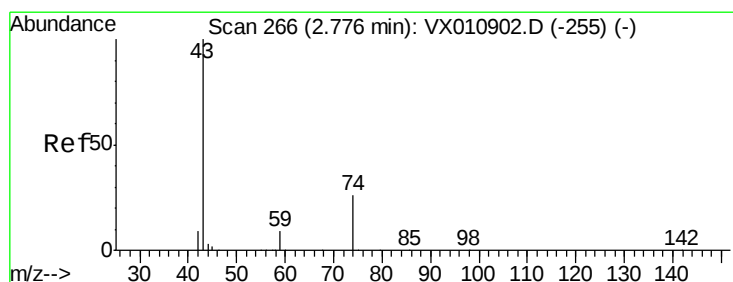
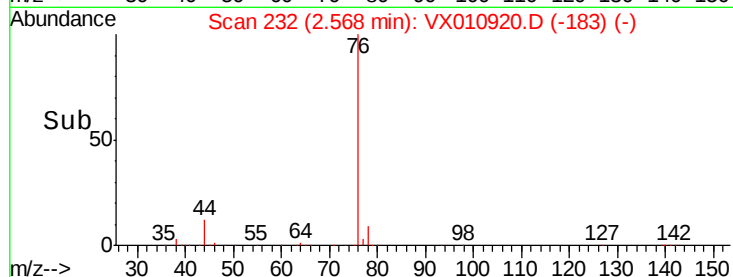
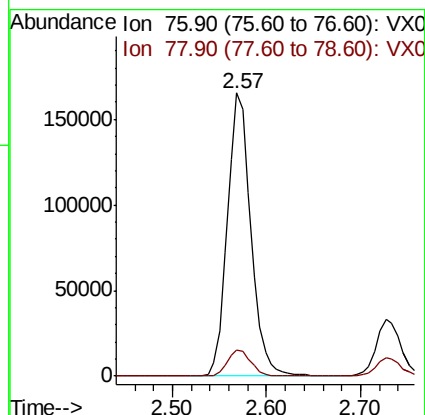
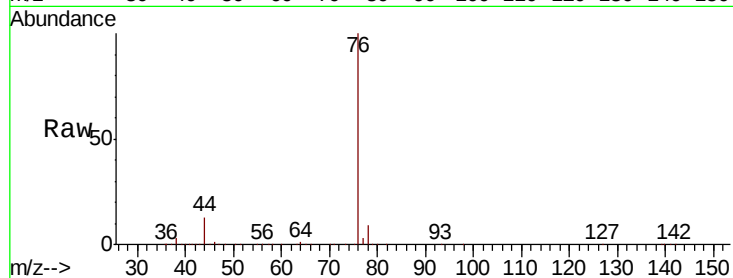




#17
Carbon Disulfide
Concen: 52.579 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

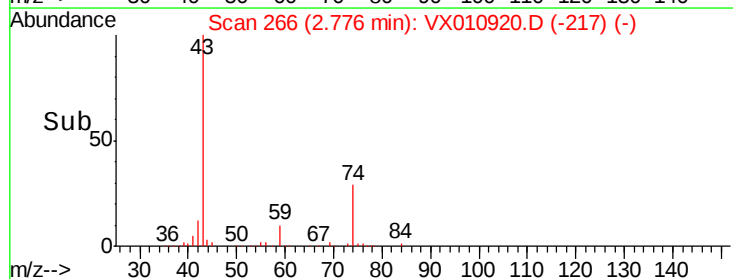
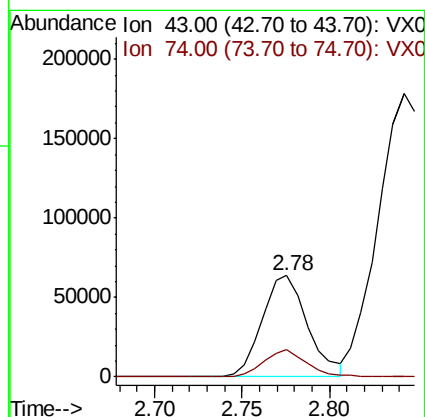
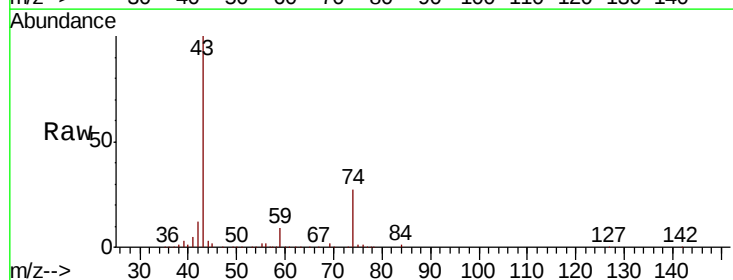
Instrument :
MSVOA_X
ClientSampleId :
FL-0604MSD

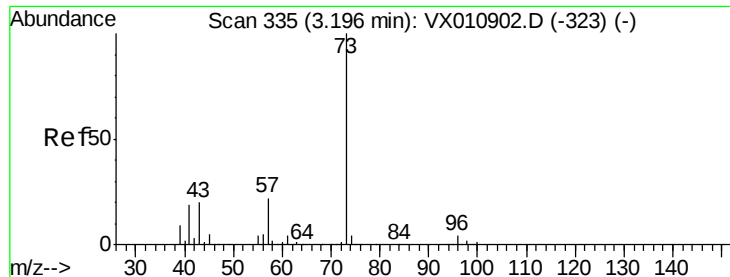
Tot Ion: 76 Resp: 286776
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 44.258 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion: 43 Resp: 115589
Ion Ratio Lower Upper
43 100
74 25.7 21.5 32.3



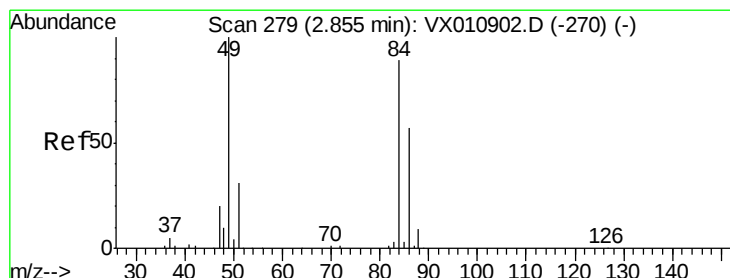
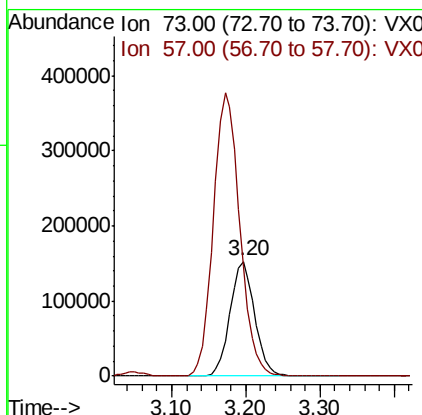
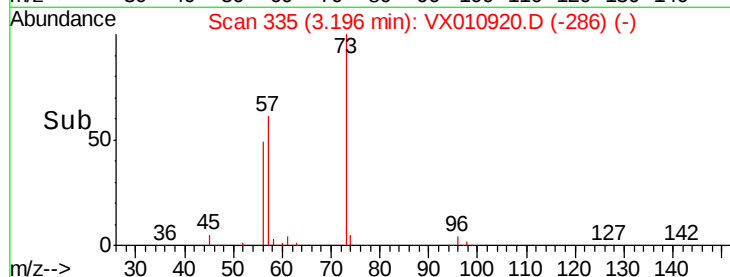
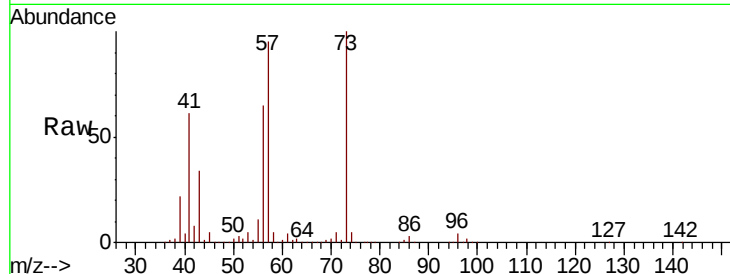


#19

Methyl tert-butyl Ether
 Concen: 51.712 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

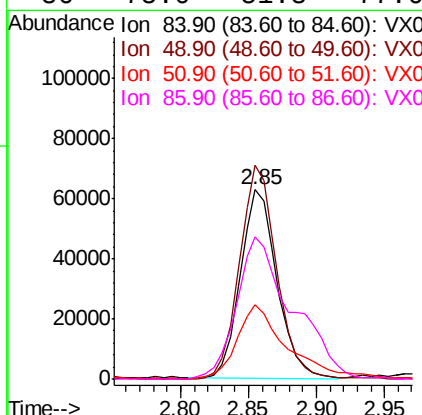
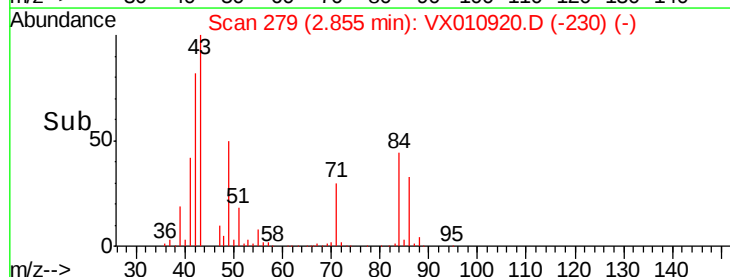
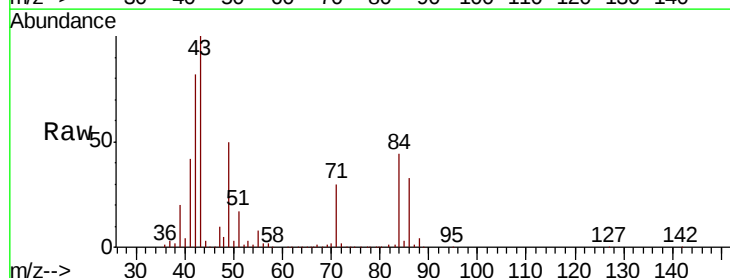
Tot Ion: 73 Resp: 353962
 Ion Ratio Lower Upper
 73 100
 57 95.0 17.3 25.9#

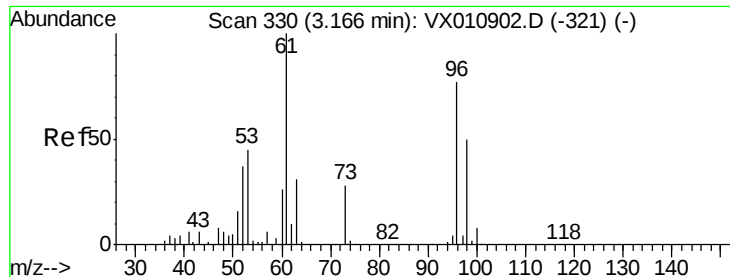


#20

Methylene Chloride
 Concen: 48.720 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion: 84 Resp: 118423
 Ion Ratio Lower Upper
 84 100
 49 113.4 89.9 134.9
 51 39.2 27.8 41.6
 86 75.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.445 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

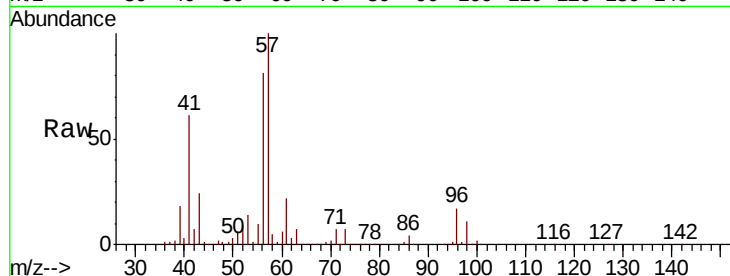
Tot Ion: 96 Resp: 113807

Ion Ratio Lower Upper

96 100

61 125.5 104.2 156.2

98 61.2 52.2 78.4

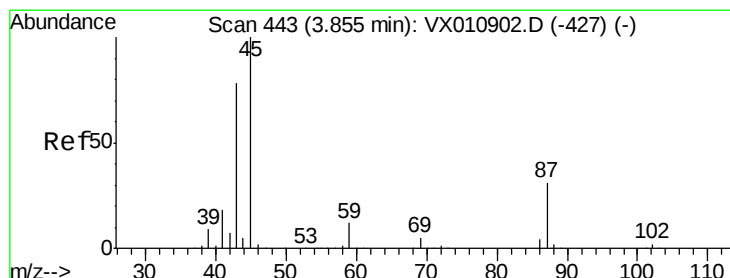
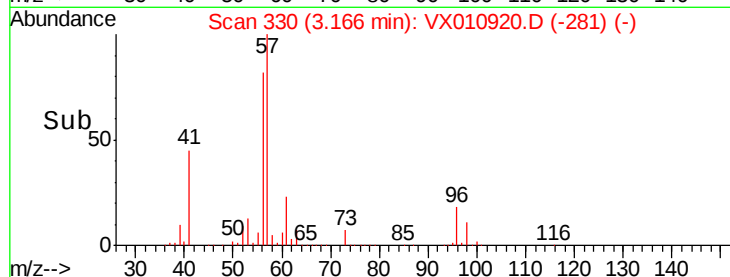
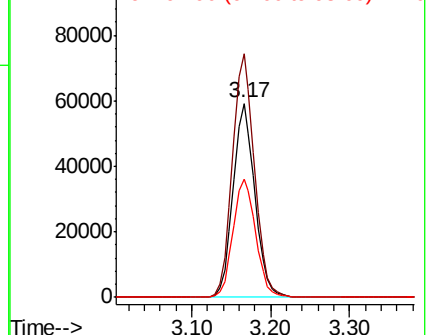


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.012 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Tgt Ion: 45 Resp: 332285

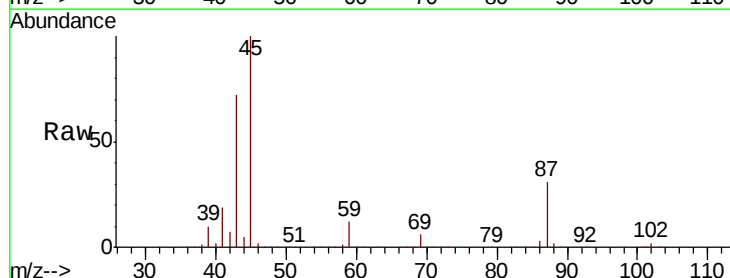
Ion Ratio Lower Upper

45 100

43 72.3 62.3 93.5

87 31.2 25.0 37.4

59 12.3 9.9 14.9



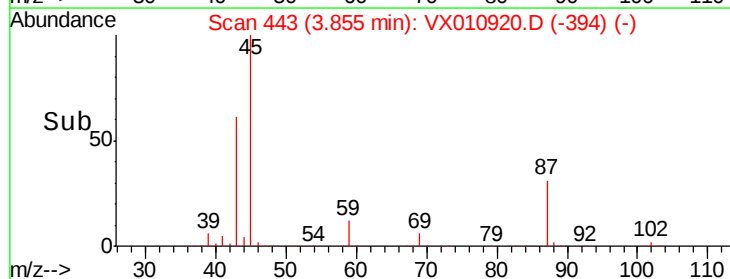
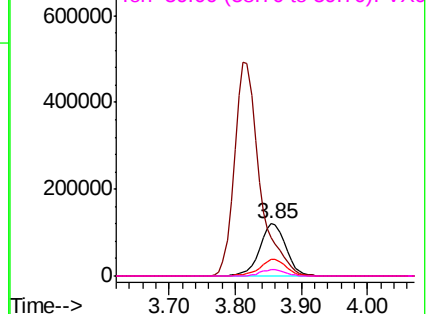
Abundance

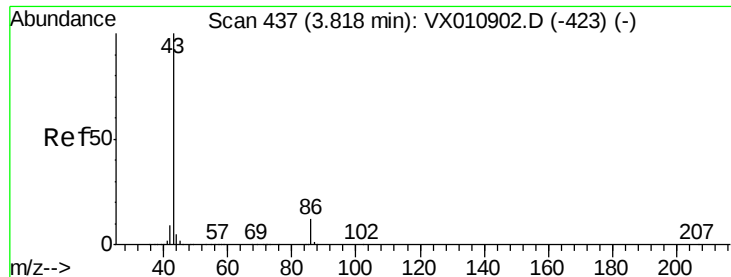
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 235.040 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

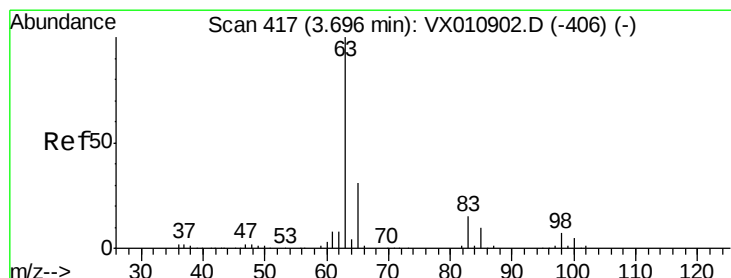
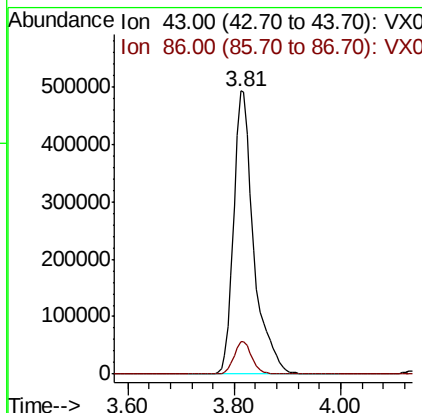
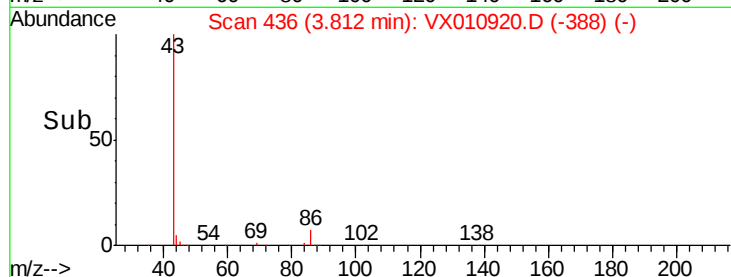
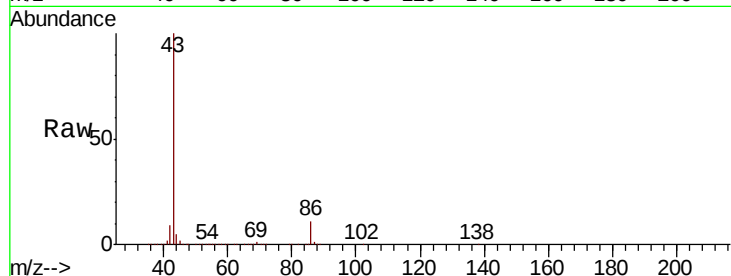
FL-0604MSD

Tot Ion: 43 Resp: 1297210

Ion Ratio Lower Upper

43 100

86 11.5 9.4 14.0



#24

1,1-Dichloroethane

Concen: 50.922 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

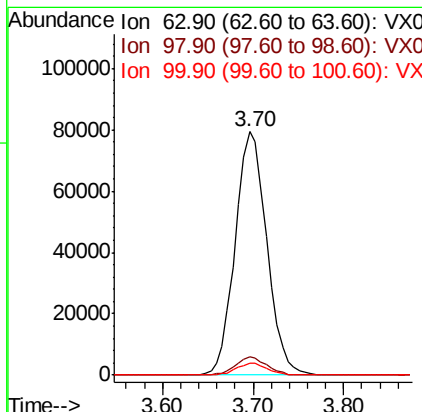
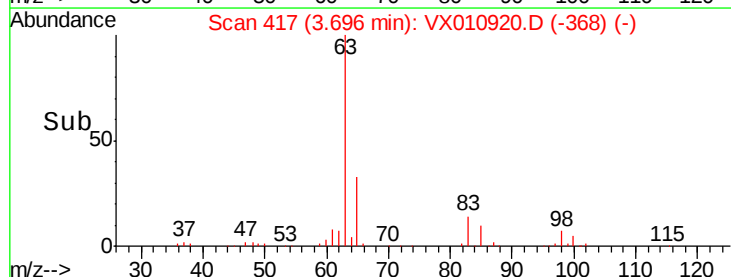
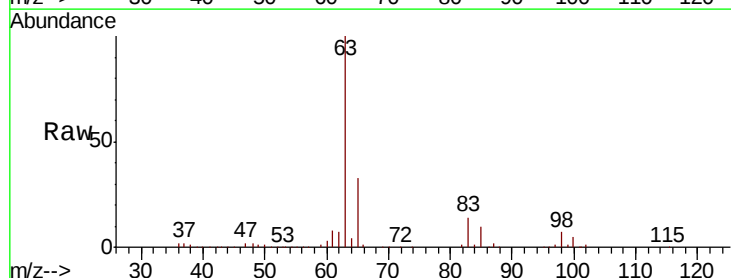
Tgt Ion: 63 Resp: 192635

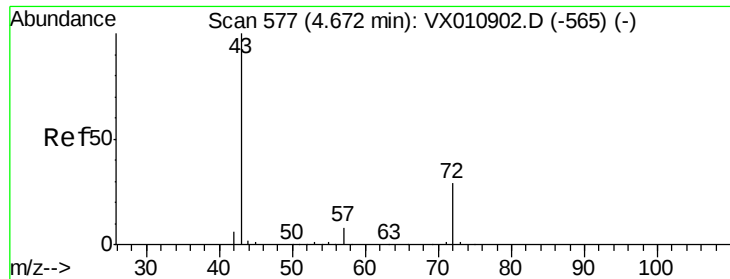
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 254.411 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

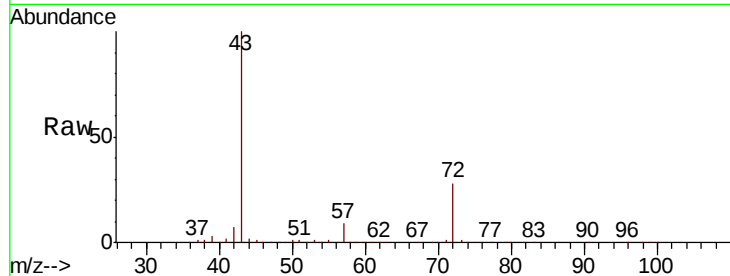
FL-0604MSD

Tot Ion: 43 Resp: 418878

Ion Ratio Lower Upper

43 100

72 28.0 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

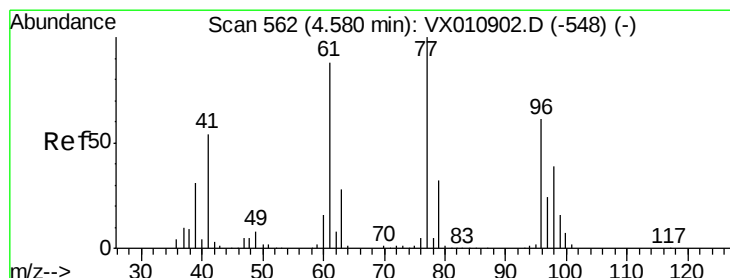
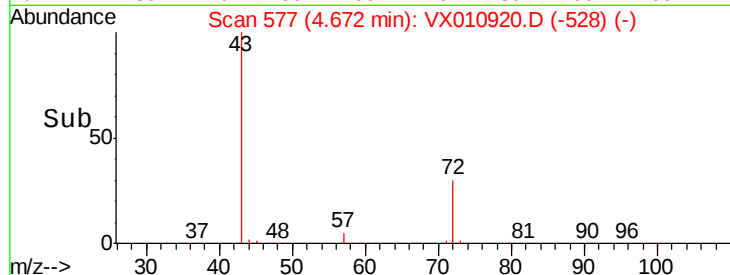
100000

50000

0

4.60 4.67 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.257 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010920.D

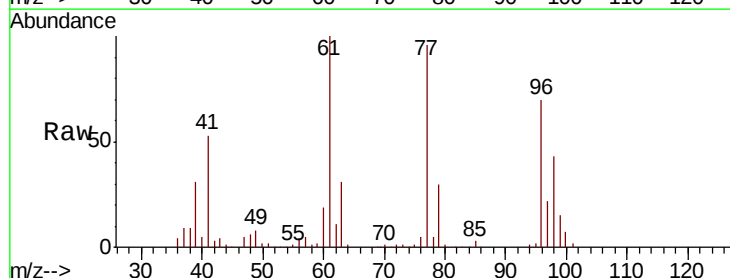
Acq: 16 Jul 2019 20:35

Tgt Ion: 77 Resp: 131254

Ion Ratio Lower Upper

77 100

97 25.6 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

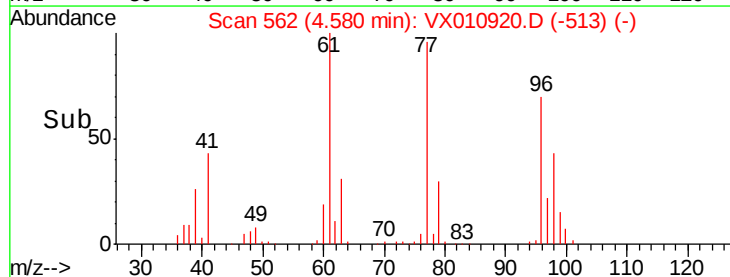
20000

10000

0

4.40 4.50 4.58 4.60 4.70

Time-->



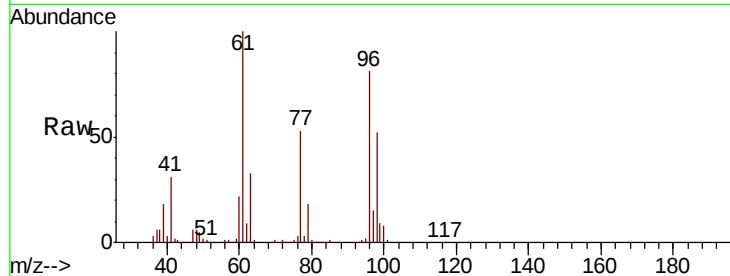


#27

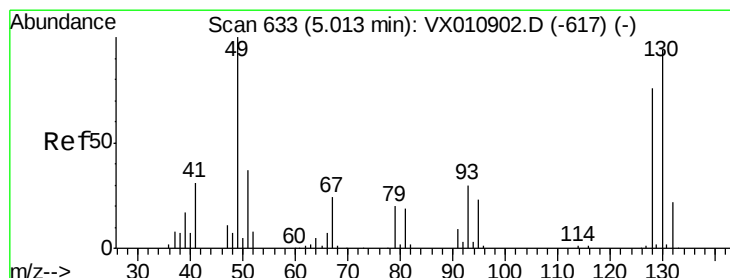
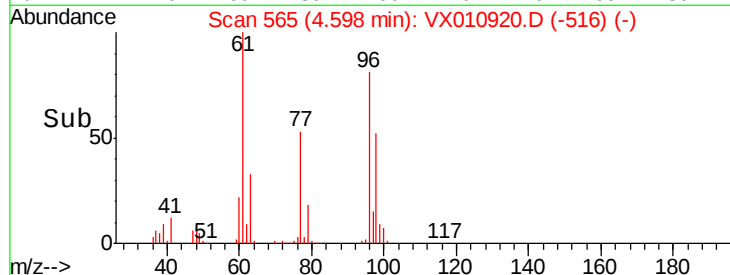
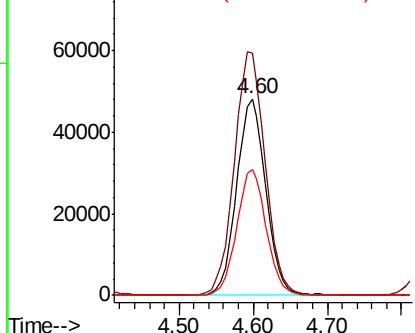
cis-1,2-Dichloroethene
Concen: 50.942 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
FL-0604MSD

Tot Ion: 96 Resp: 133010
Ion Ratio Lower Upper
96 100
61 130.3 0.0 269.0
98 64.4 0.0 131.4



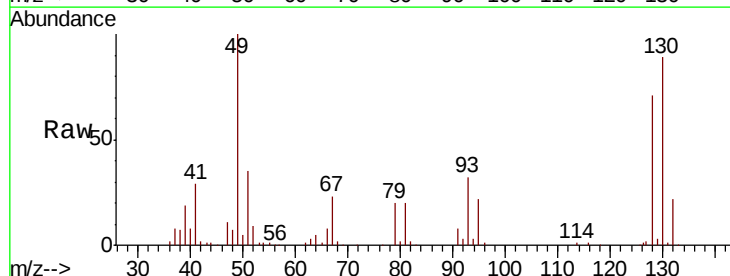
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



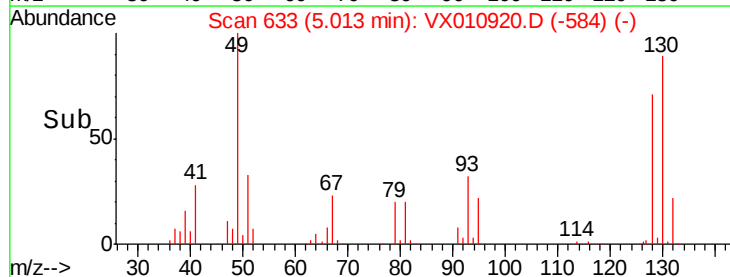
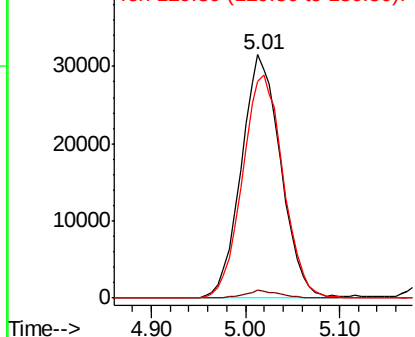
#28

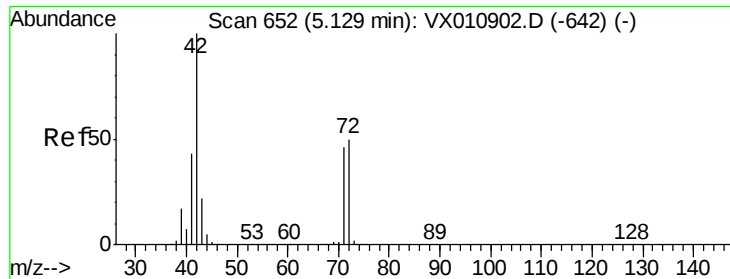
Bromochloromethane
Concen: 51.694 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion: 49 Resp: 92152
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.2
130 95.1 76.9 115.3



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





#29

Tetrahydrofuran

Concen: 262.919 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

FL-0604MSD

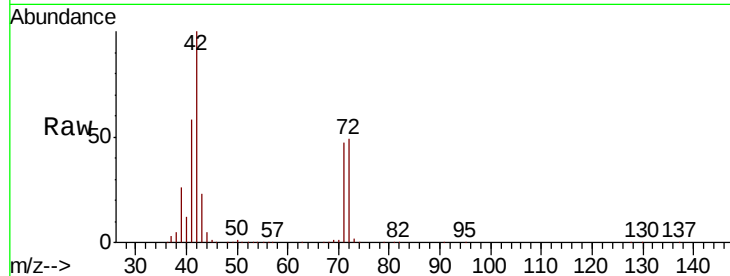
Tot Ion: 42 Resp: 274207

Ion Ratio Lower Upper

42 100

72 48.0 39.8 59.8

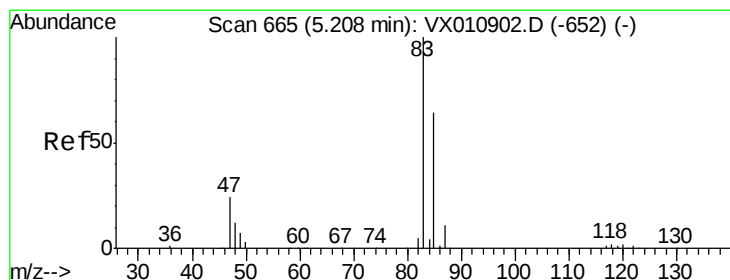
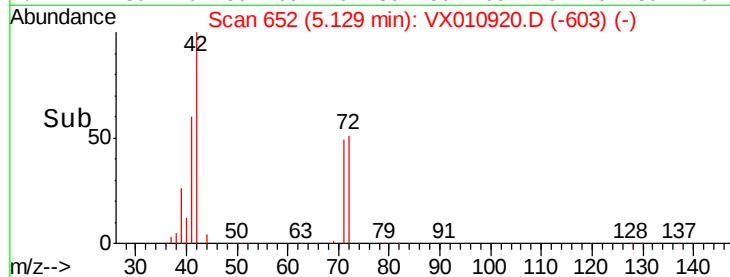
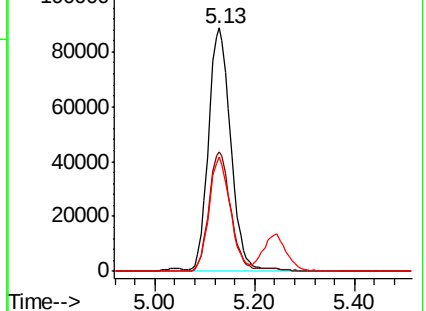
71 45.1 37.0 55.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.982 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010920.D

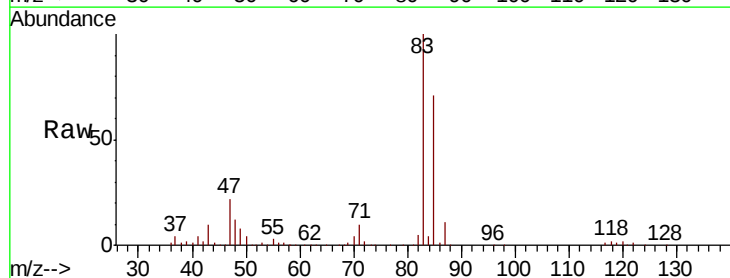
Acq: 16 Jul 2019 20:35

Tgt Ion: 83 Resp: 208460

Ion Ratio Lower Upper

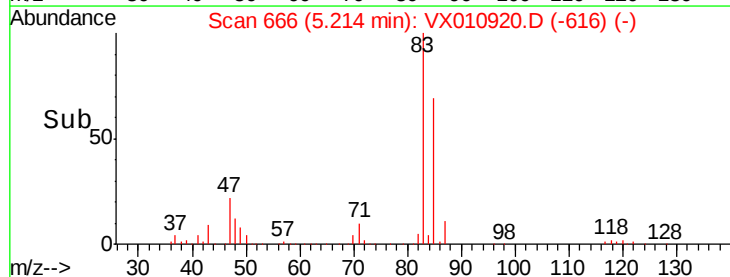
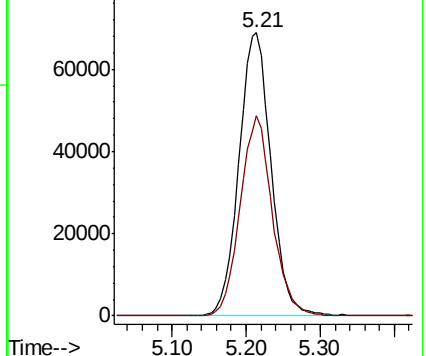
83 100

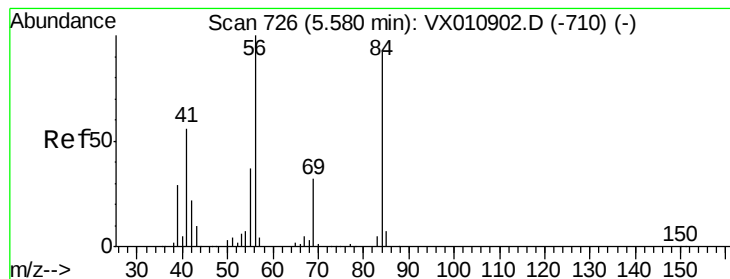
85 70.8 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 207.911 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

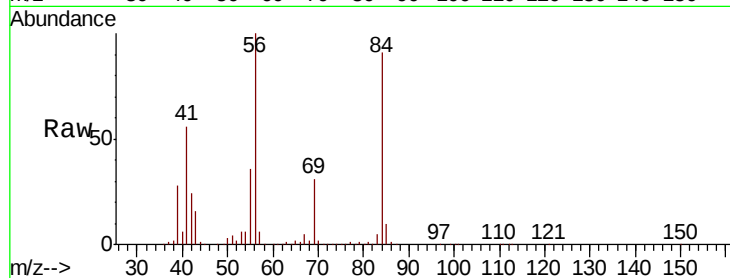
Tot Ion: 56 Resp: 716893

Ion Ratio Lower Upper

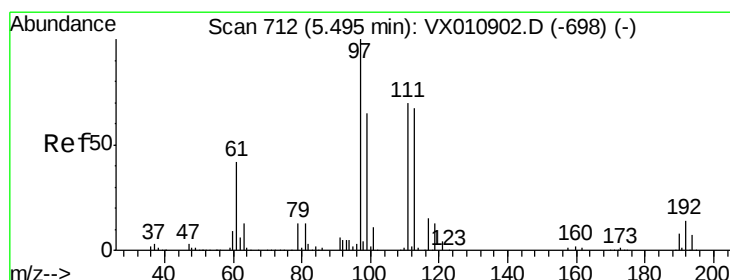
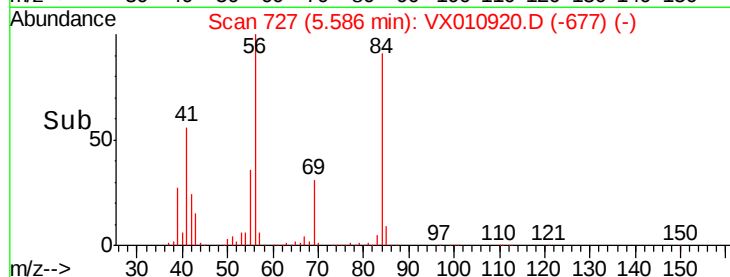
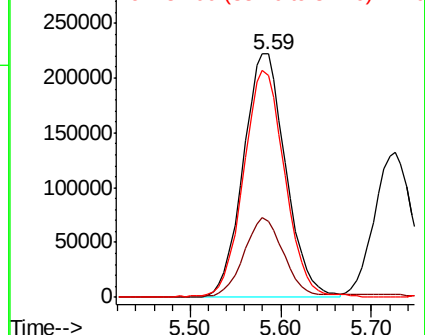
56 100

69 31.1 25.8 38.8

84 90.6 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.633 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

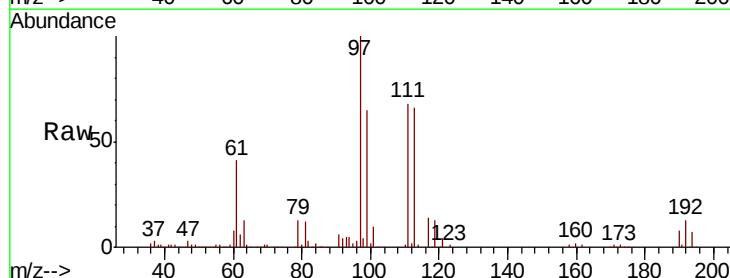
Tgt Ion: 97 Resp: 186190

Ion Ratio Lower Upper

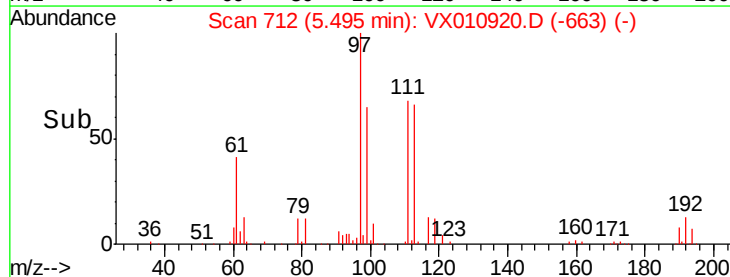
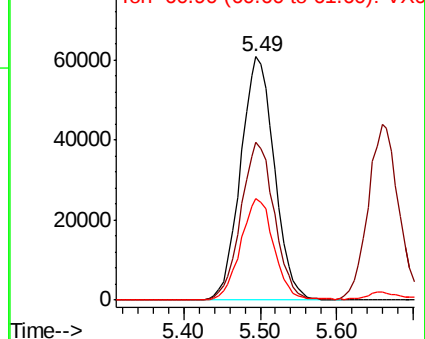
97 100

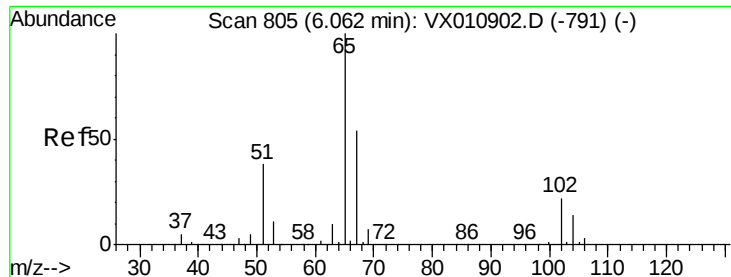
99 64.5 51.4 77.0

61 41.6 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

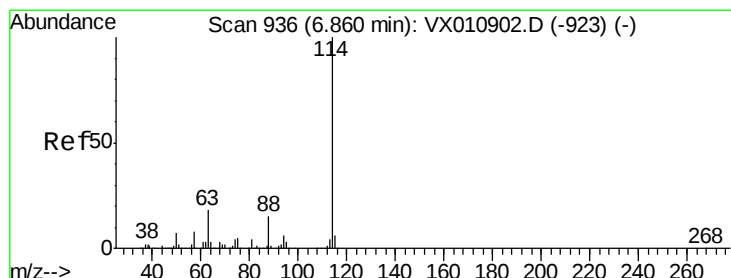
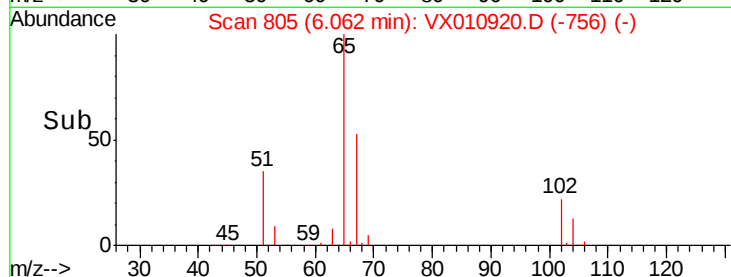
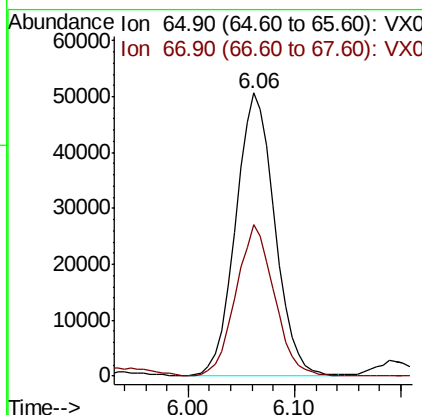
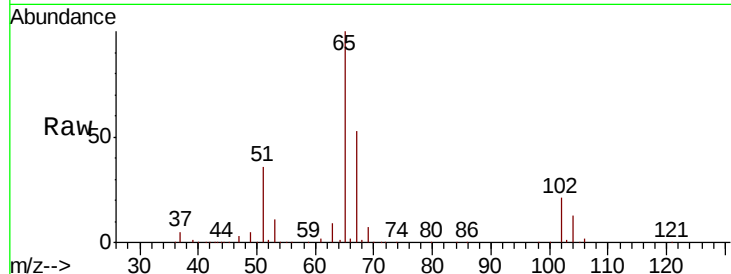




#33
 1,2-Dichloroethane-d4
 Concen: 51.195 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

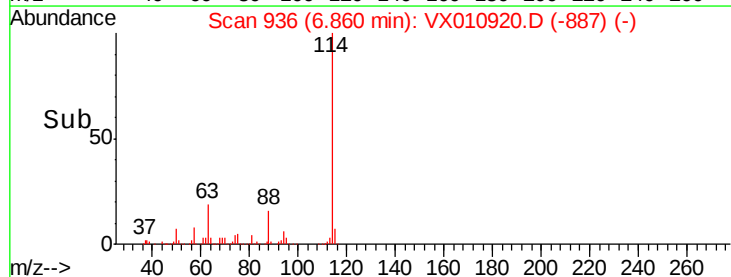
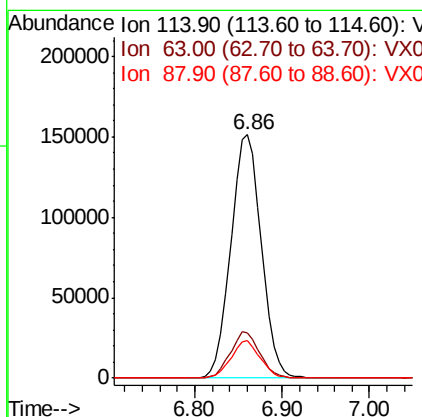
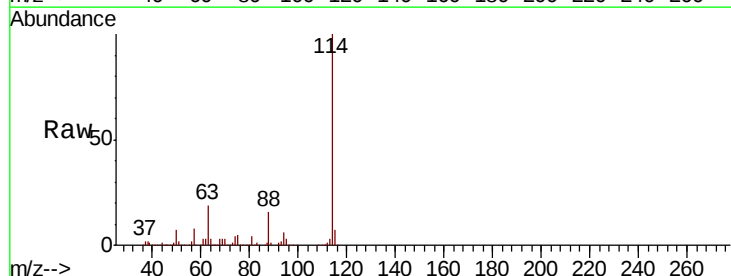
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

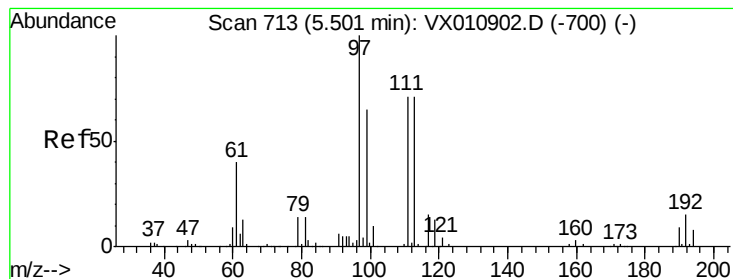
Tot Ion: 65 Resp: 130010
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion: 114 Resp: 366051
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.6
 88 15.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.579 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

FL-0604MSD

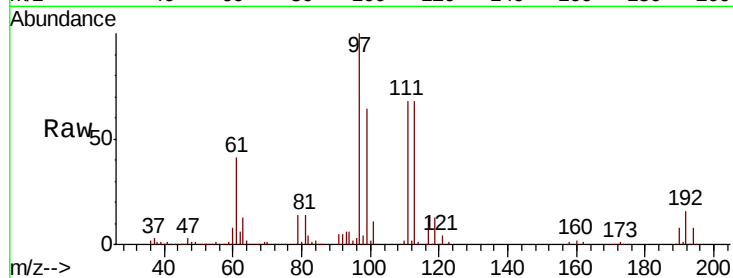
Tot Ion:113 Resp: 115192

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

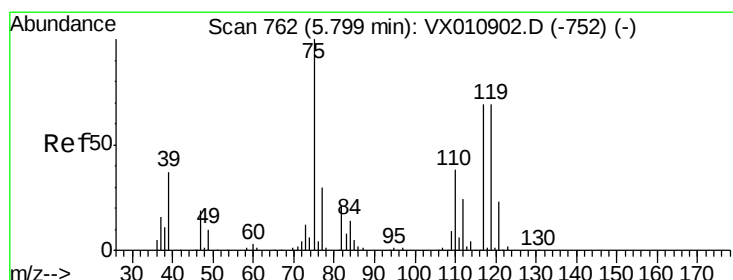
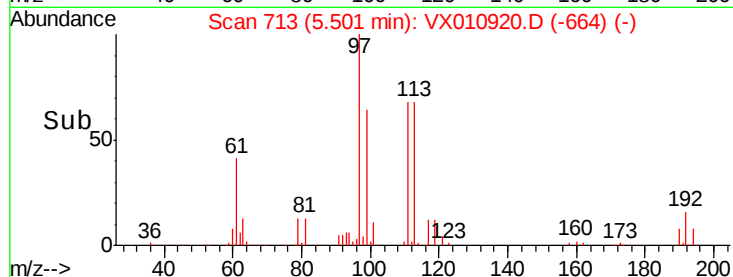
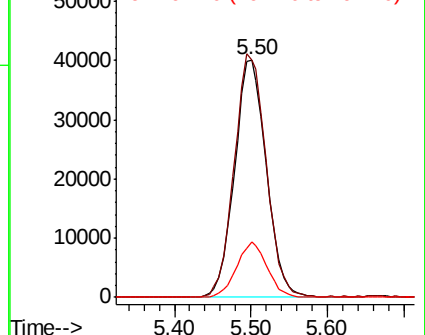
192 22.3 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.514 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

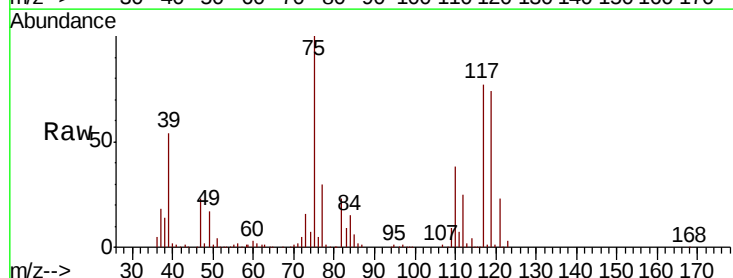
Tgt Ion: 75 Resp: 151884

Ion Ratio Lower Upper

75 100

110 39.1 19.9 59.7

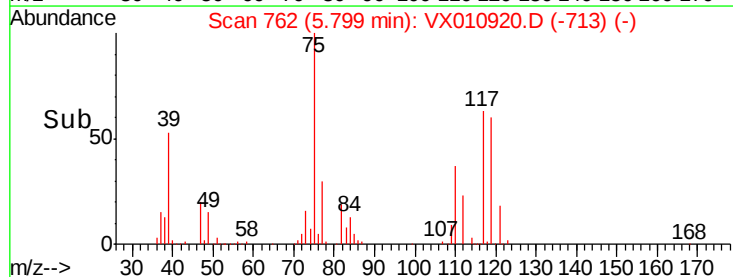
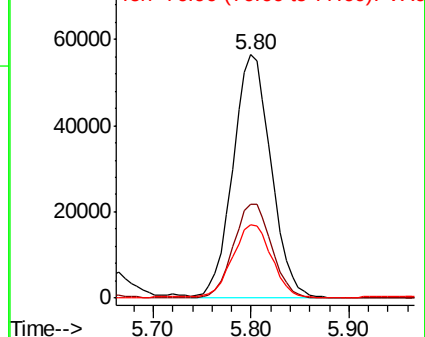
77 31.4 25.0 37.4

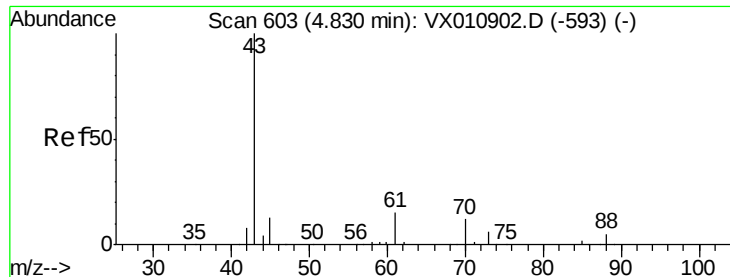


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 46.021 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

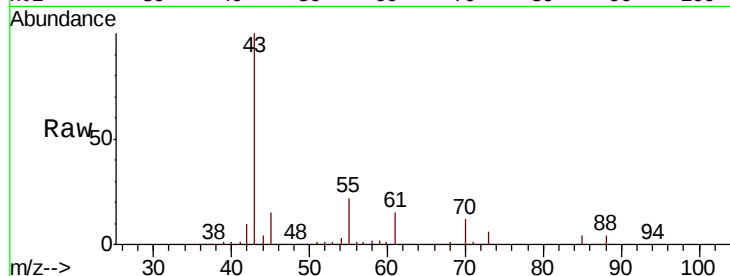
Tot Ion: 43 Resp: 141691

Ion Ratio Lower Upper

43 100

61 15.5 11.6 17.4

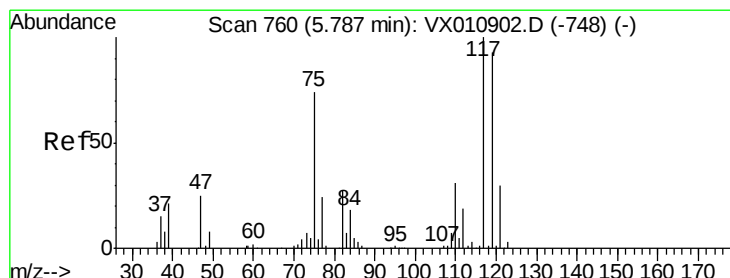
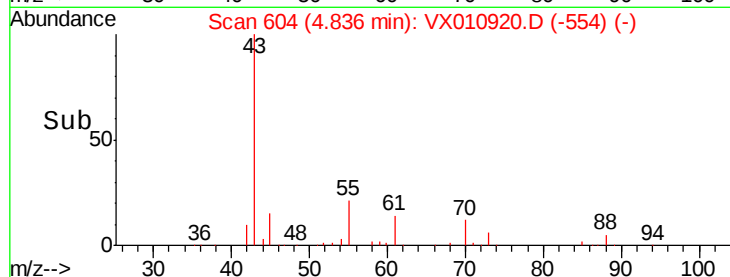
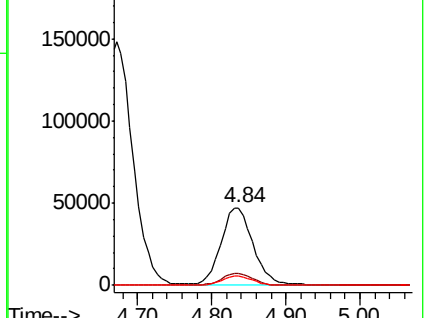
70 12.2 9.1 13.7



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: 52.301 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

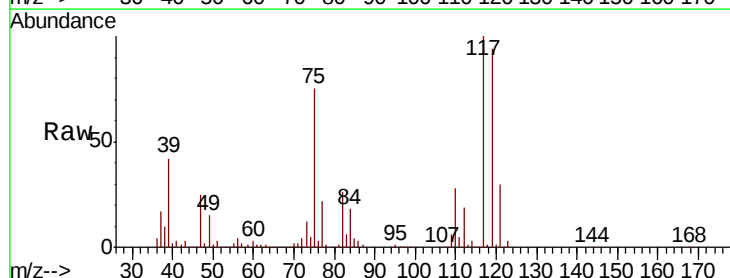
Tgt Ion: 117 Resp: 163870

Ion Ratio Lower Upper

117 100

119 94.1 74.2 111.2

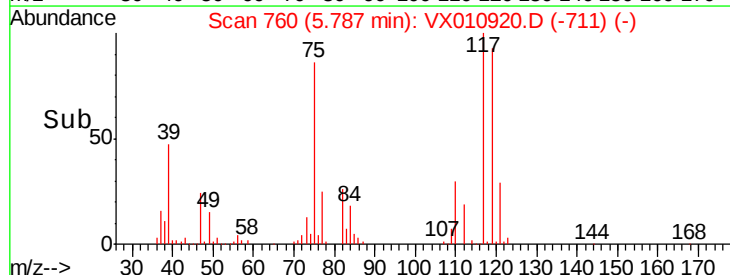
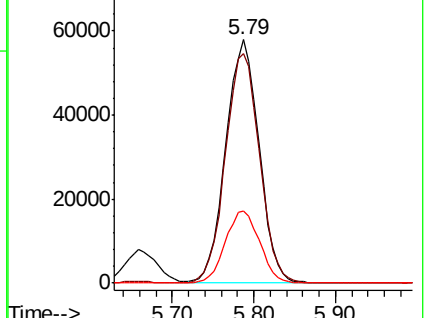
121 29.6 24.2 36.2

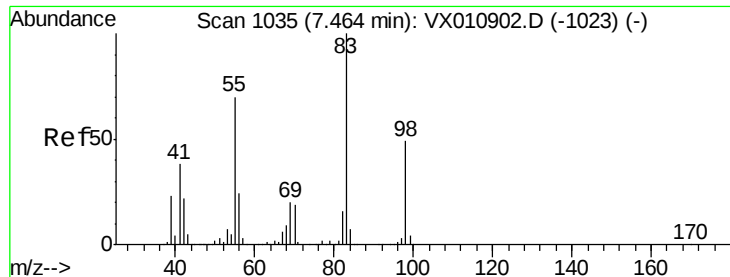


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

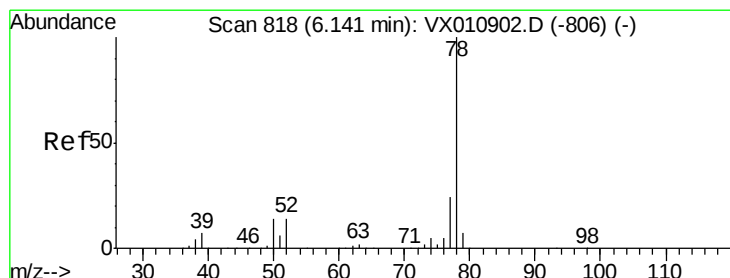
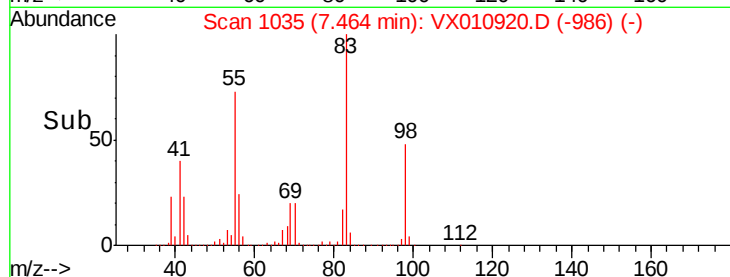
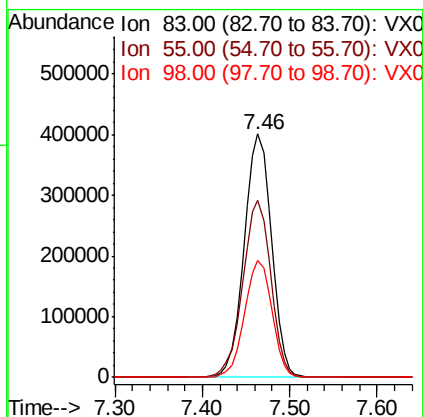
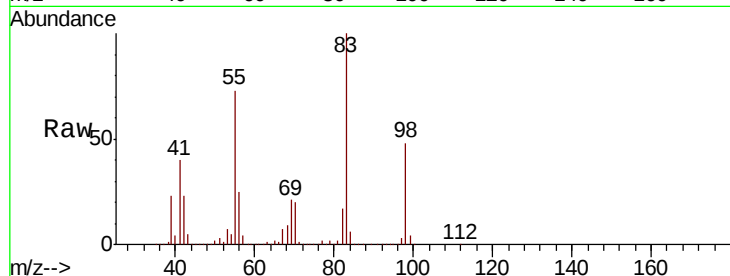




#39
Methvlcvclohexane
Concen: 223.406 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

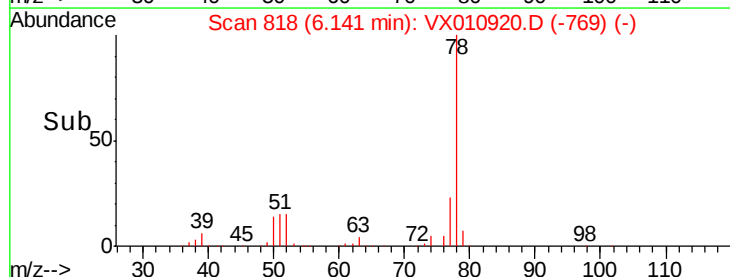
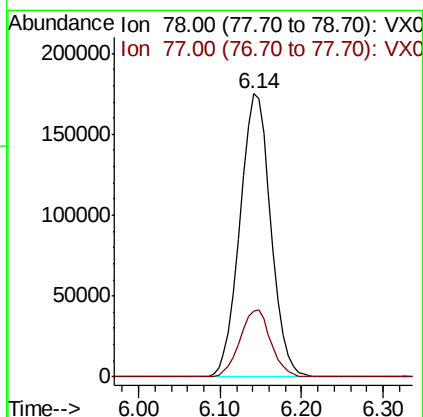
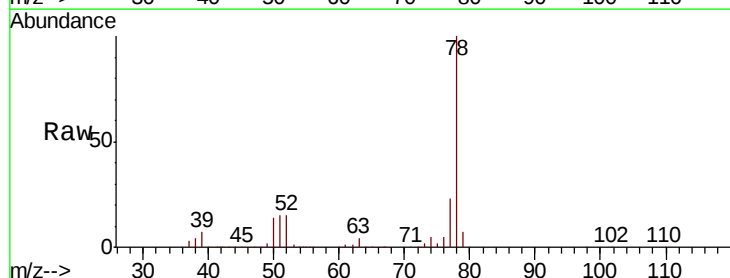
Instrument :
MSVOA_X
ClientSampled :
FL-0604MSD

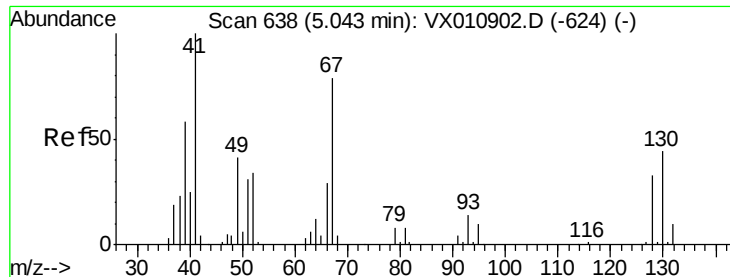
Tot Ion: 83 Resp: 871105
Ion Ratio Lower Upper
83 100
55 72.5 56.2 84.4
98 48.1 39.0 58.4



#40
Benzene
Concen: 49.958 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion: 78 Resp: 460131
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6





#41

Methacrylonitrile

Concen: 50.419 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleID :

FL-0604MSD

Tot Ion: 41 Resp: 88122

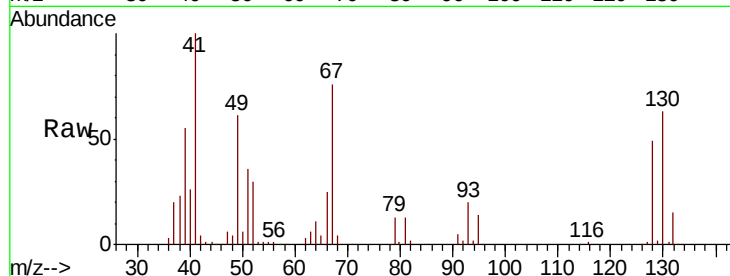
Ion Ratio Lower Upper

41 100

39 55.6 45.4 68.2

67 79.1 65.9 98.9

52 31.3 26.2 39.2

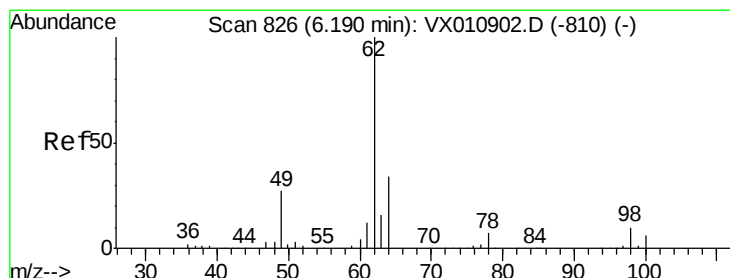
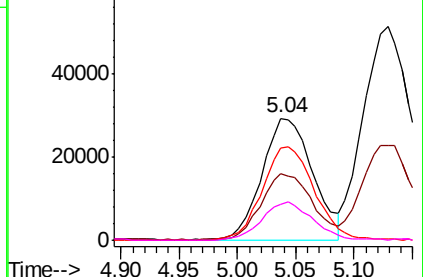
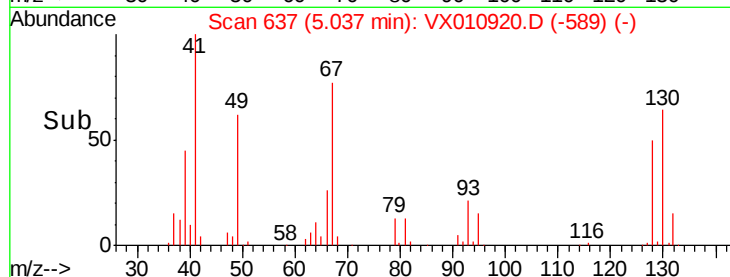


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 50.916 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX010920.D

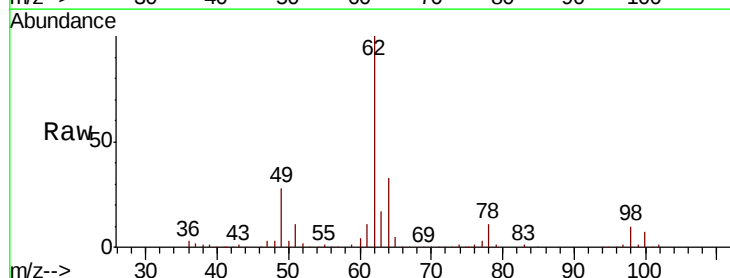
Acq: 16 Jul 2019 20:35

Tgt Ion: 62 Resp: 163054

Ion Ratio Lower Upper

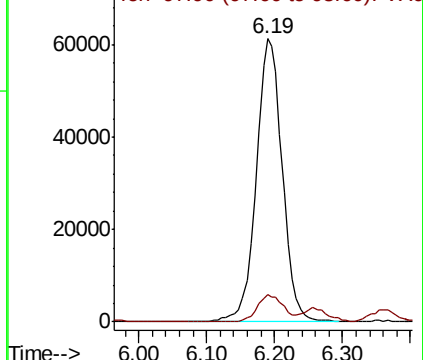
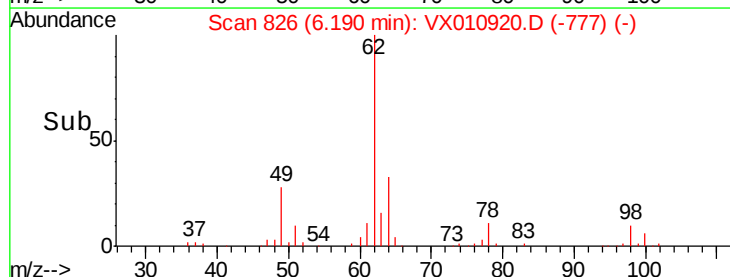
62 100

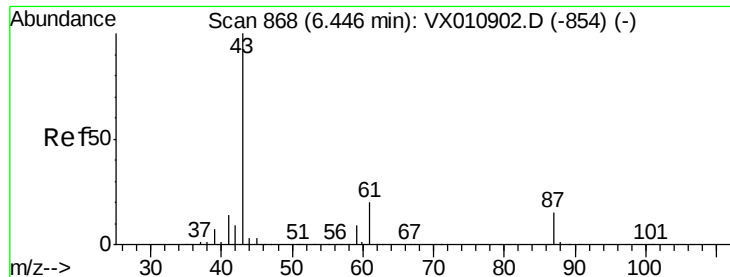
98 9.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



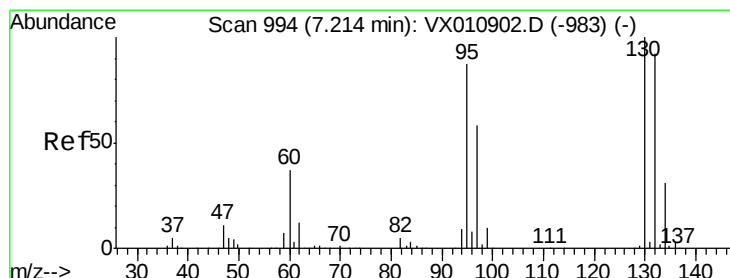
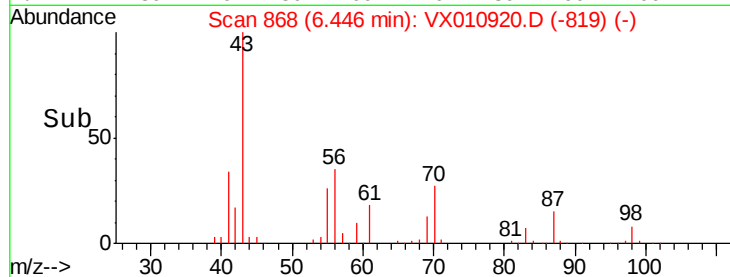
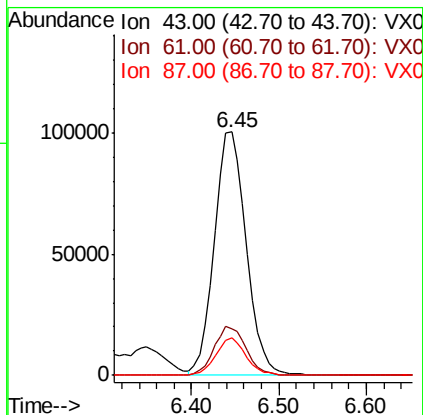
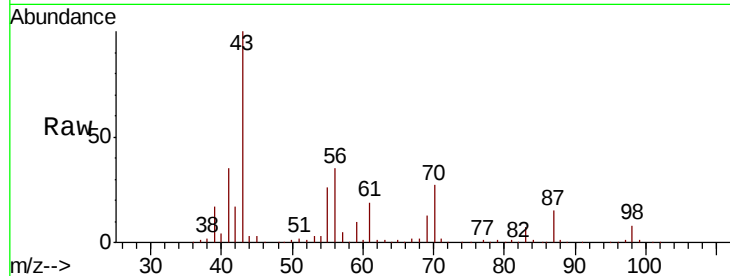


#43

Isopropyl Acetate
 Concen: 49.867 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0604MSD

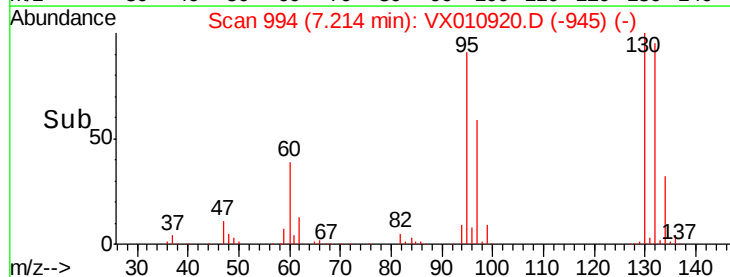
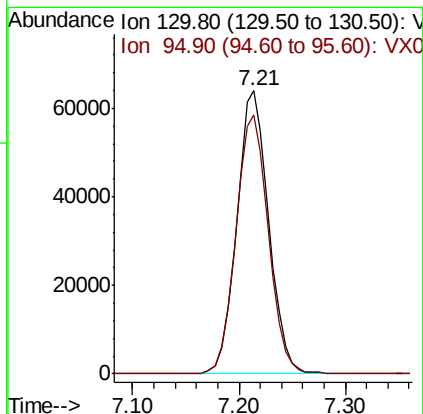
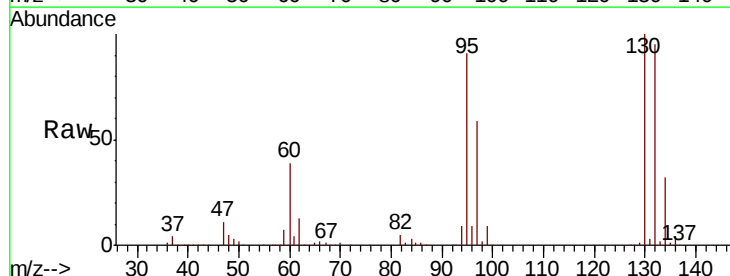
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	17.1	25.7
87	14.5	12.0	18.0

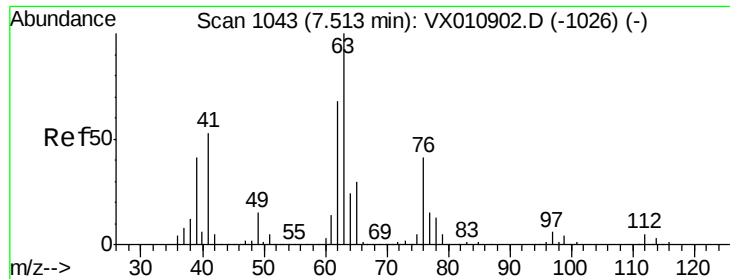


#44

Trichloroethene
 Concen: 49.245 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	174.8





#45

1,2-Dichloropropane

Concen: 49.808 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

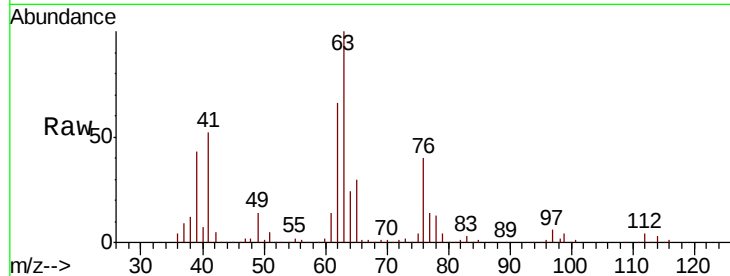
FL-0604MSD

Tot Ion: 63 Resp: 116762

Ion Ratio Lower Upper

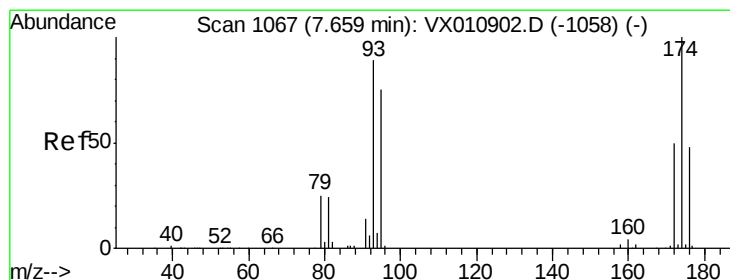
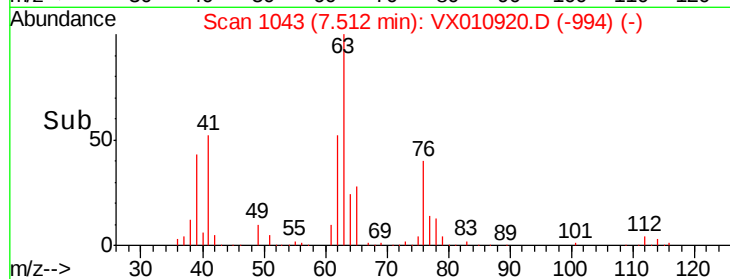
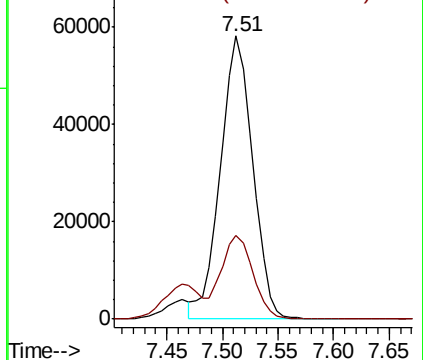
63 100

65 29.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.926 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

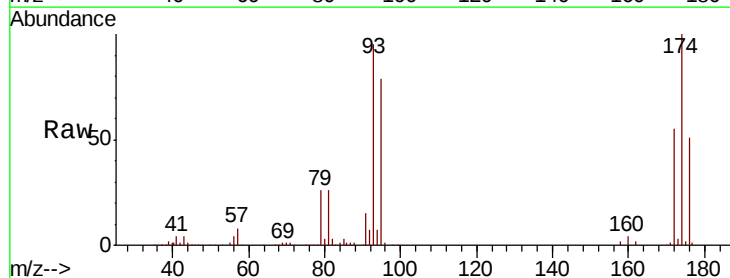
Tgt Ion: 93 Resp: 85306

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

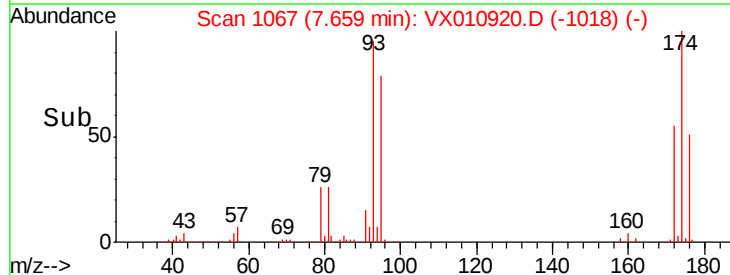
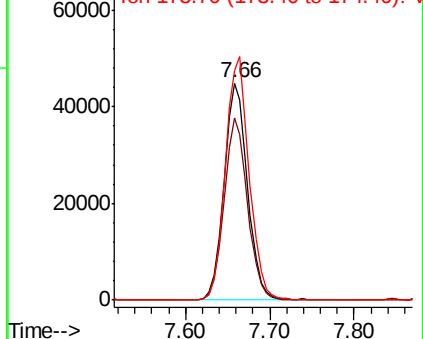
174 113.9 90.6 135.8

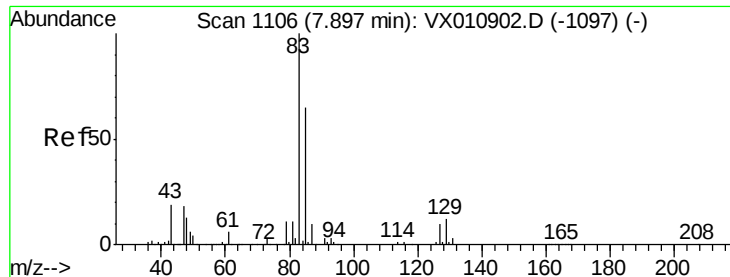


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.747 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

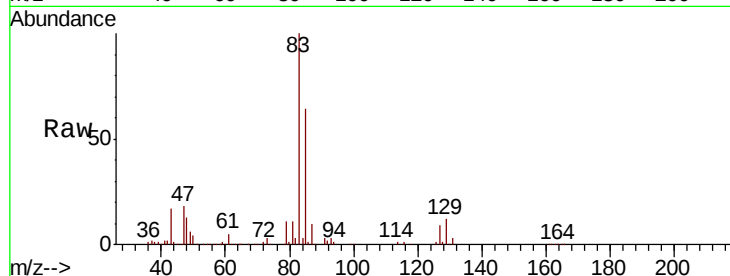
Tot Ion: 83 Resp: 157283

Ion Ratio Lower Upper

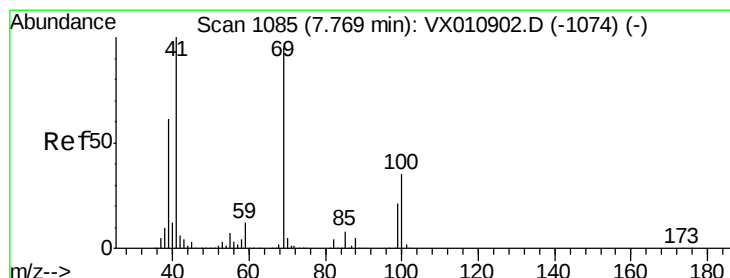
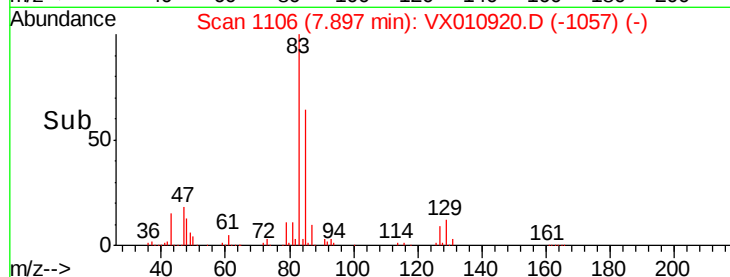
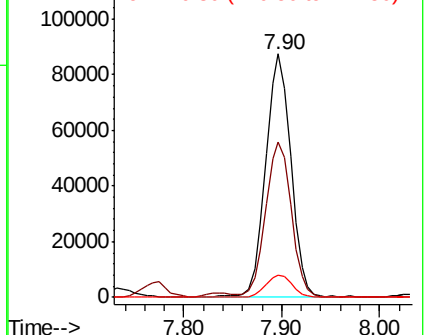
83 100

85 63.8 52.5 78.7

127 9.3 7.8 11.8



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



#48

Methyl methacrylate

Concen: 66.039 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

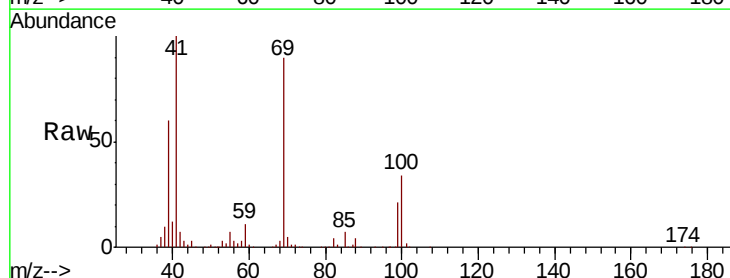
Tgt Ion: 41 Resp: 162868

Ion Ratio Lower Upper

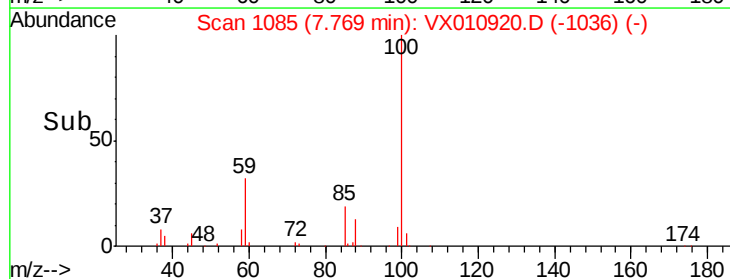
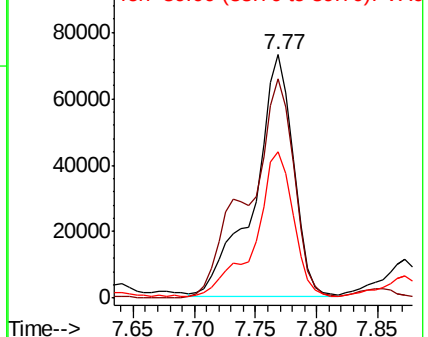
41 100

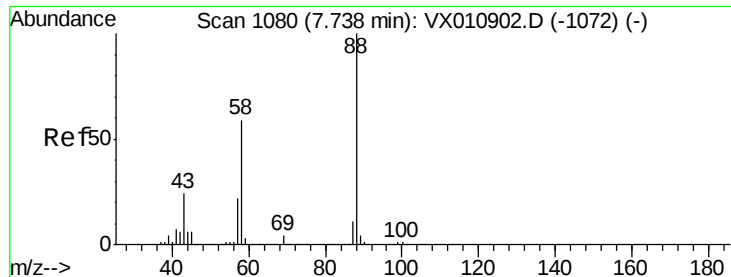
69 106.3 74.4 111.6

39 57.5 48.9 73.3



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

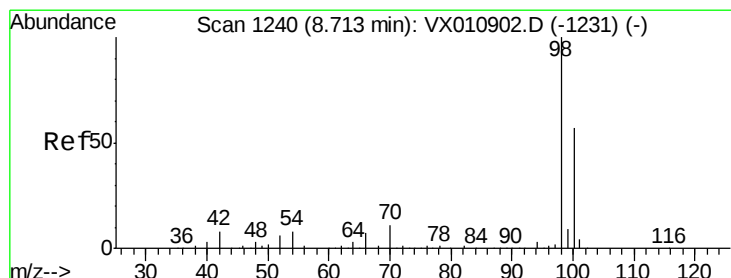
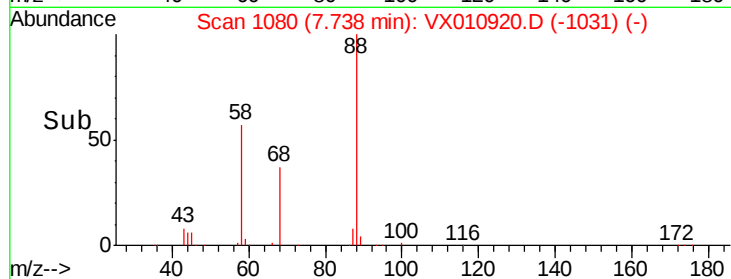
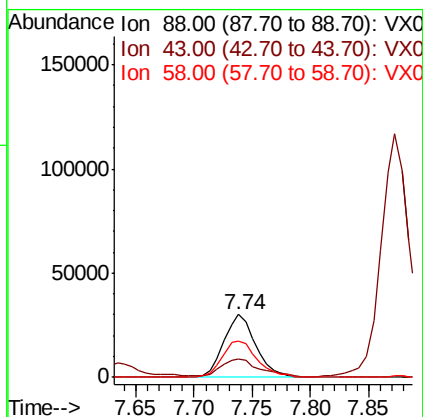
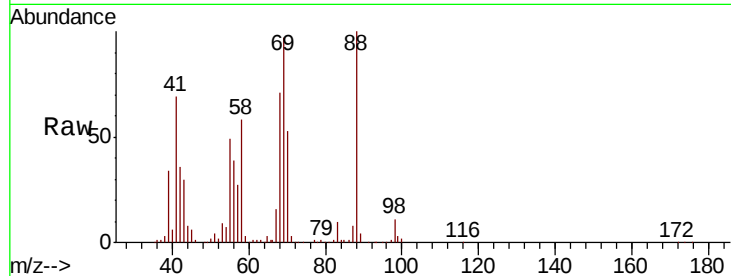




#49
1,4-Dioxane
Concen: 833.515 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

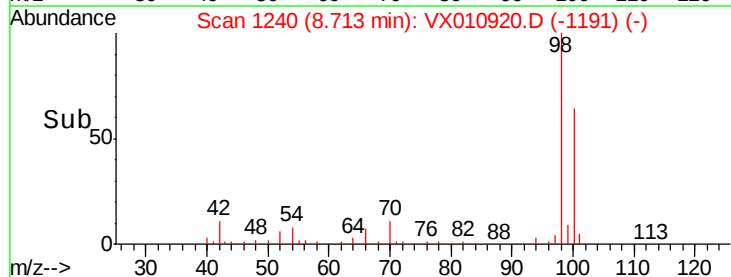
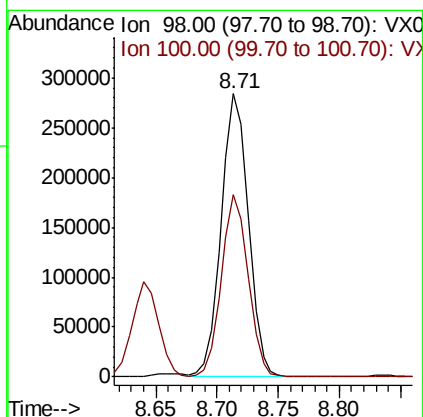
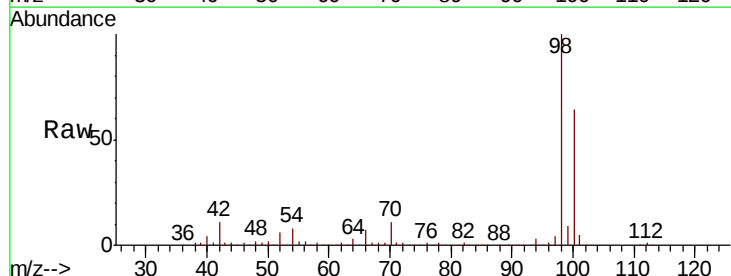
Instrument :
MSVOA_X
ClientSampled :
FL-0604MSD

Tot Ion: 88 Resp: 57501
Ion Ratio Lower Upper
88 100
43 33.6 22.9 34.3
58 61.3 49.8 74.8



#50
Toluene-d8
Concen: 50.247 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion: 98 Resp: 437867
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8

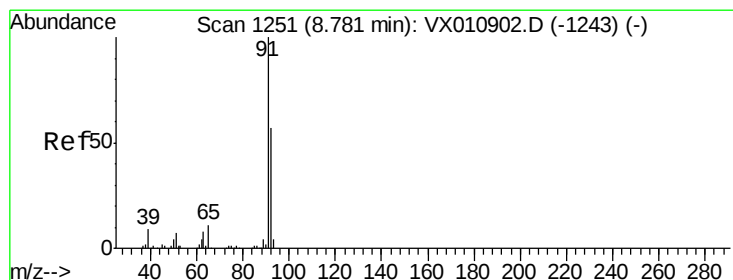
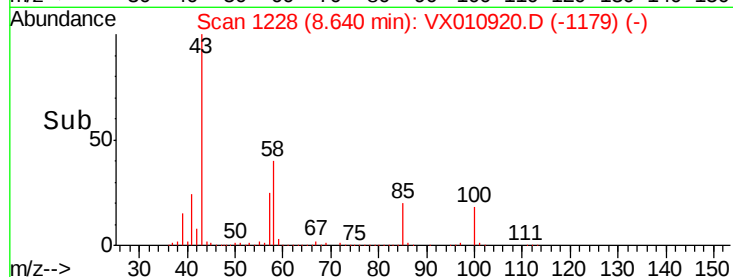
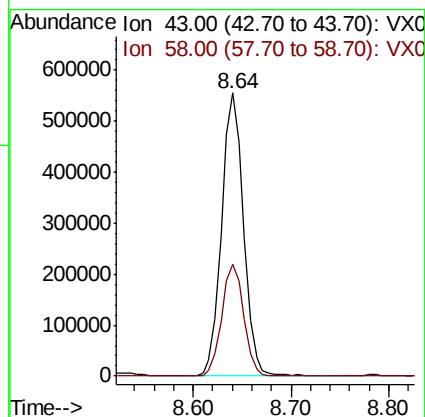
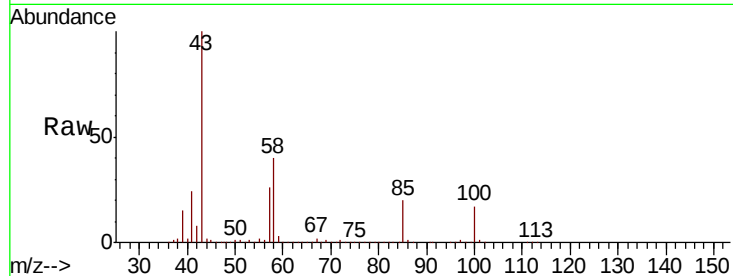




#51
4-Methyl-2-Pentanone
Concen: 262.494 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

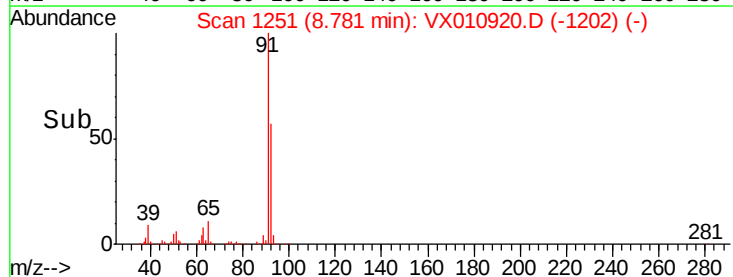
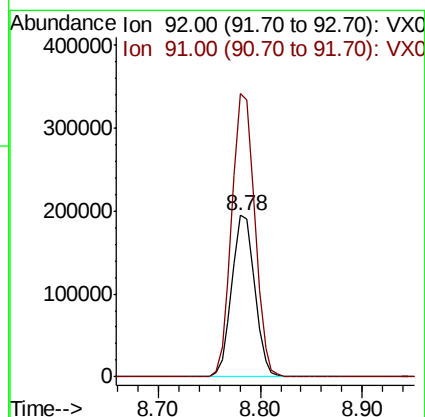
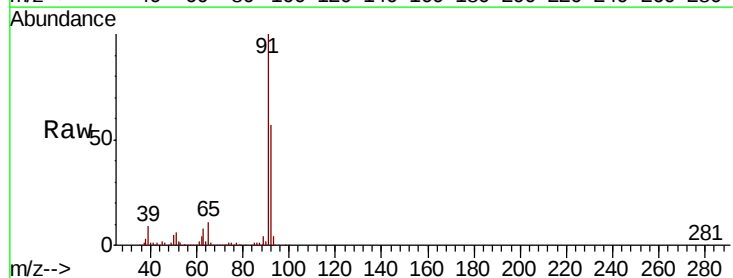
Instrument :
MSVOA_X
ClientSampled :
FL-0604MSD

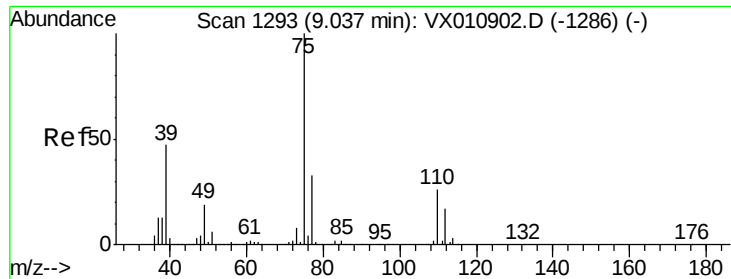
Tot Ion: 43 Resp: 861440
Ion Ratio Lower Upper
43 100
58 39.6 32.2 48.4



#52
Toluene
Concen: 50.018 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion: 92 Resp: 302635
Ion Ratio Lower Upper
92 100
91 176.1 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 53.029 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

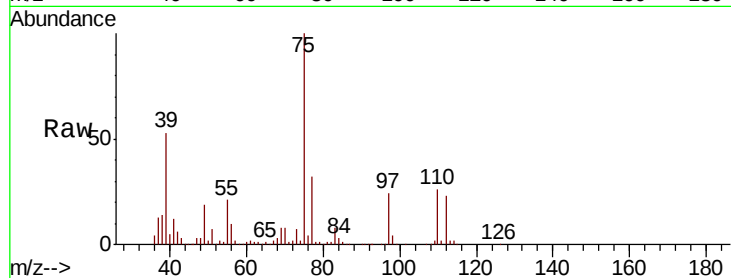
FL-0604MSD

Tot Ion: 75 Resp: 170021

Ion Ratio Lower Upper

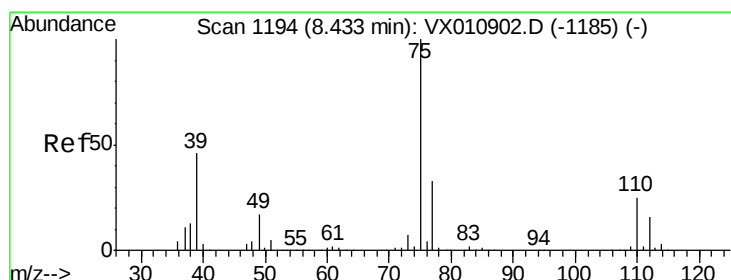
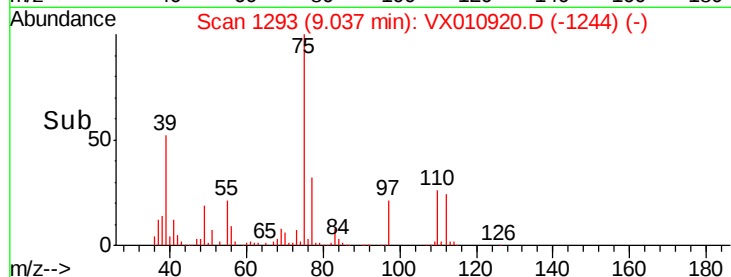
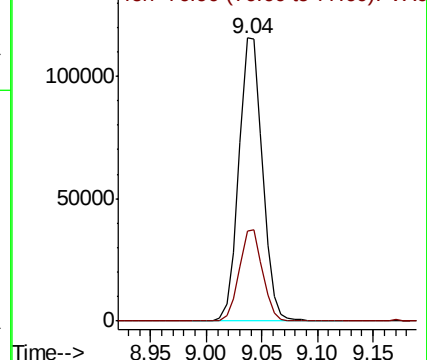
75 100

77 31.6 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.224 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

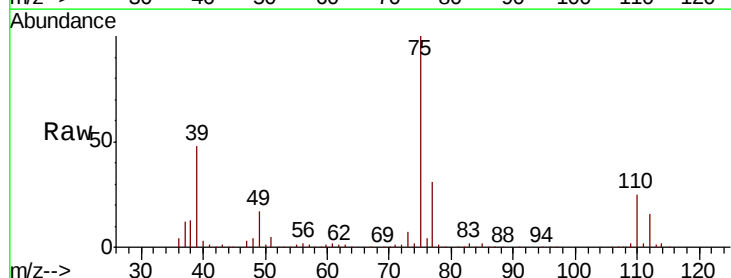
Tgt Ion: 75 Resp: 182751

Ion Ratio Lower Upper

75 100

77 31.0 26.1 39.1

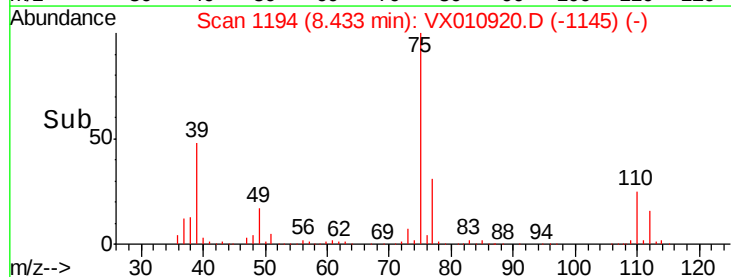
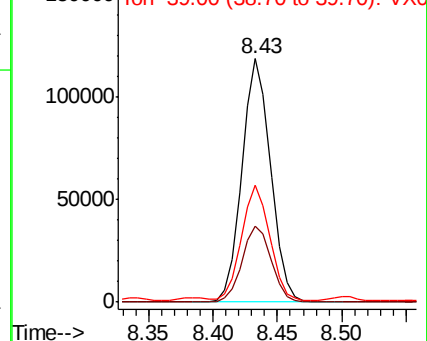
39 46.1 36.6 54.8

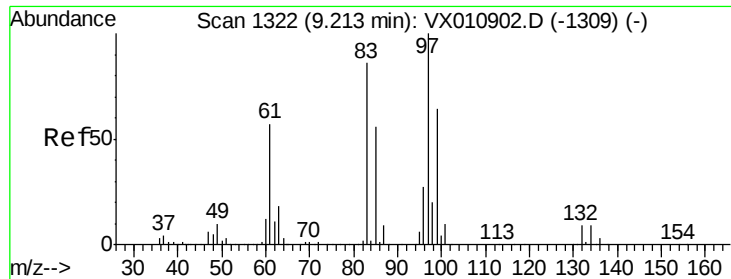


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

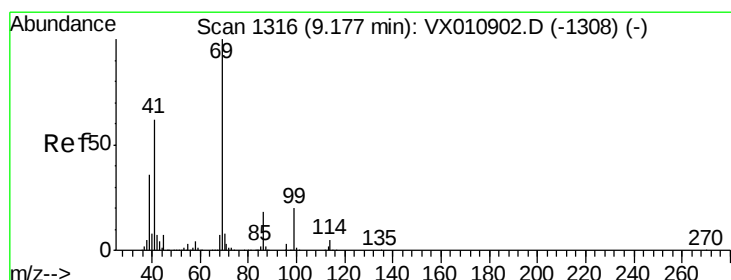
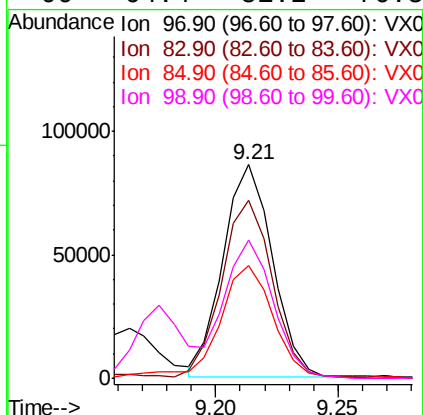
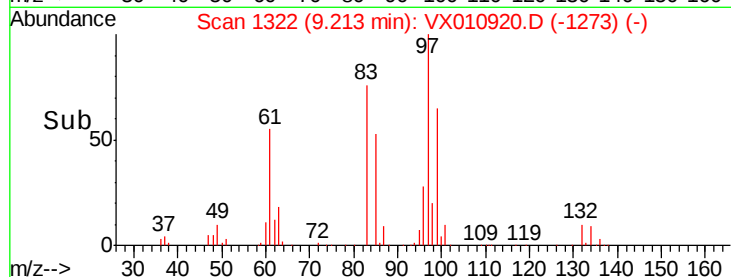
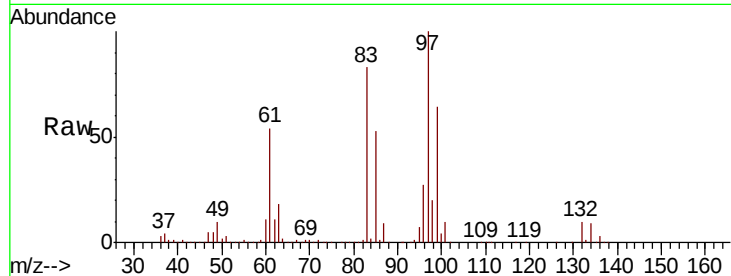




#55
 1,1,2-Trichloroethane
 Concen: 48.670 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

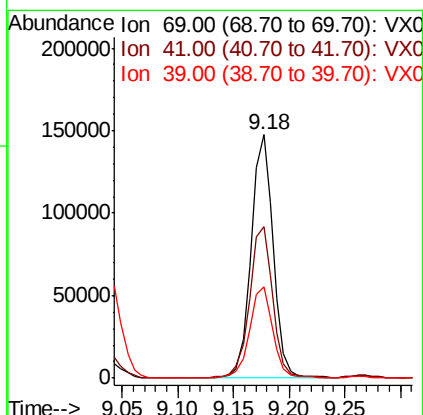
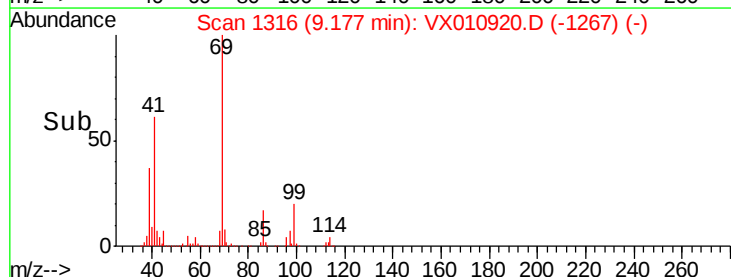
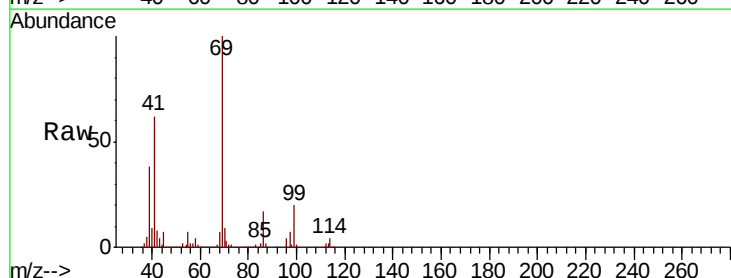
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0604MSD

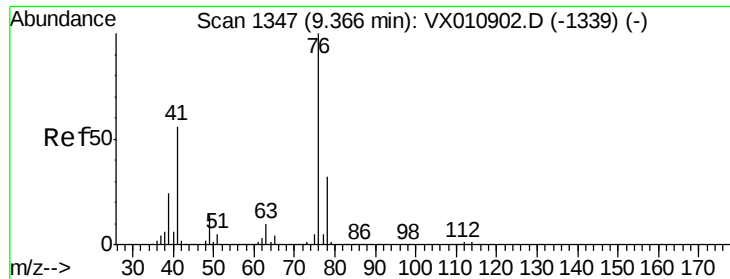
Tot Ion:	97	Resp:	121252
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.2	103.8
85	52.1	44.6	66.8
99	64.4	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 55.893 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion:	69	Resp:	203685
Ion	Ratio	Lower	Upper
69	100		
41	65.0	49.7	74.5
39	38.7	29.6	44.4





#57

1,3-Dichloropropane

Concen: 50.580 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

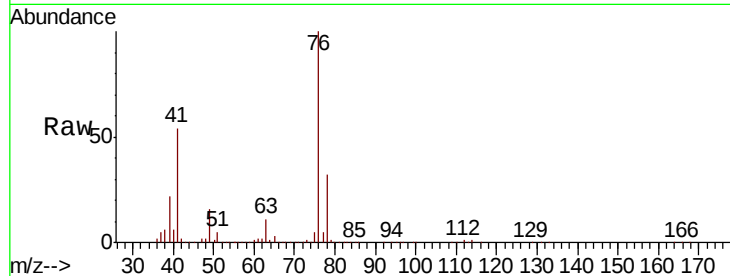
FL-0604MSD

Tot Ion: 76 Resp: 199898

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

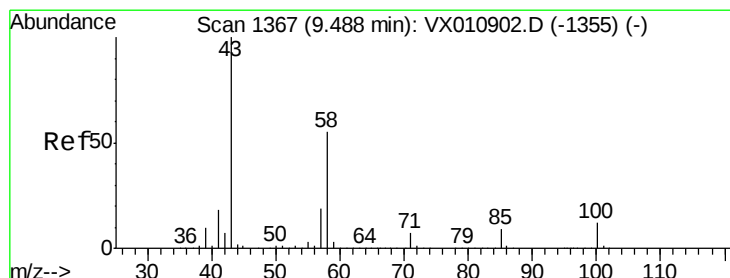
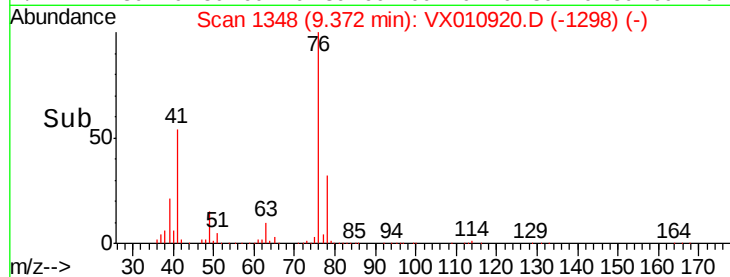
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#59

2-Hexanone

Concen: 253.463 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX010920.D

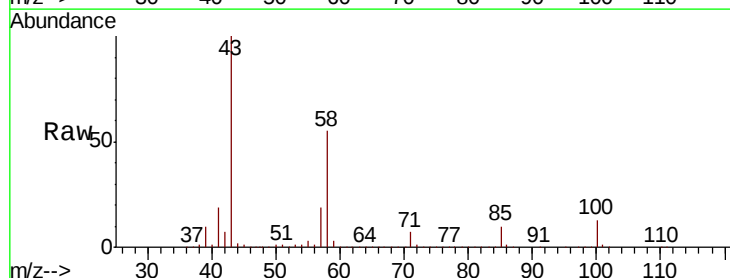
Acq: 16 Jul 2019 20:35

Tgt Ion: 43 Resp: 645160

Ion Ratio Lower Upper

43 100

58 56.3 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

500000

400000

300000

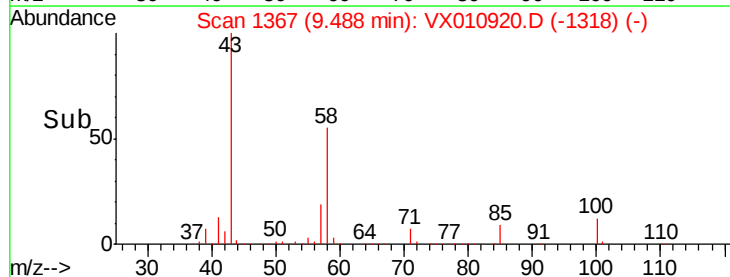
200000

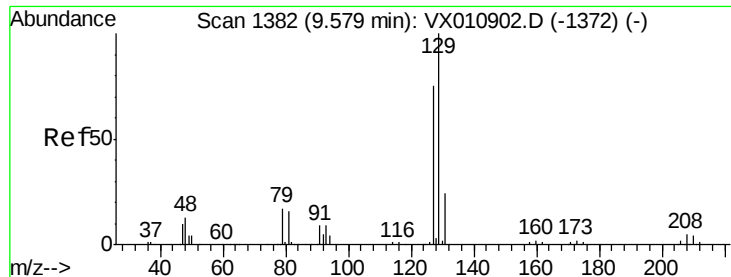
100000

0

9.45 9.50 9.55

Time-->





#60

Dibromochloromethane

Concen: 48.091 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

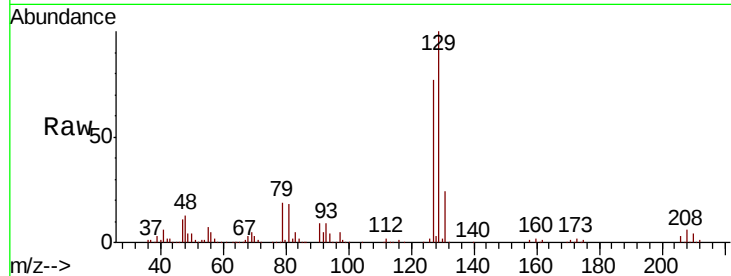
FL-0604MSD

Tot Ion:129 Resp: 137595

Ion Ratio Lower Upper

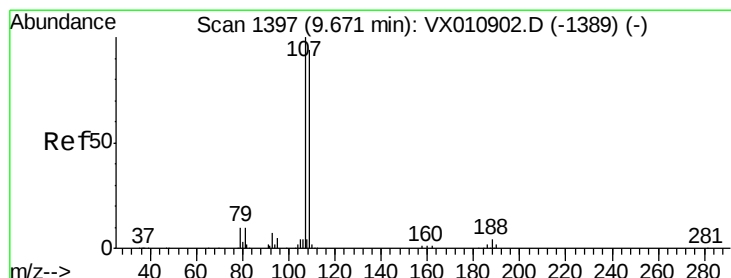
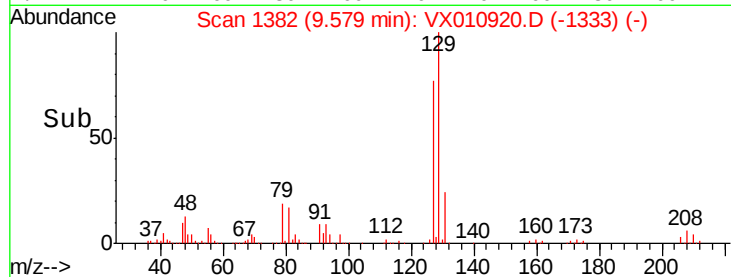
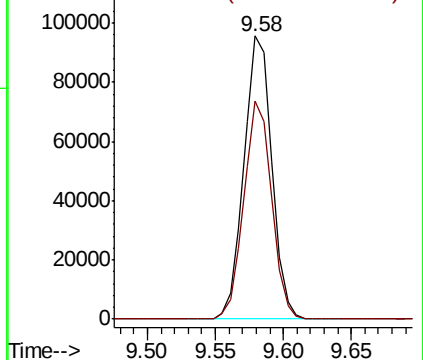
129 100

127 76.9 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.088 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010920.D

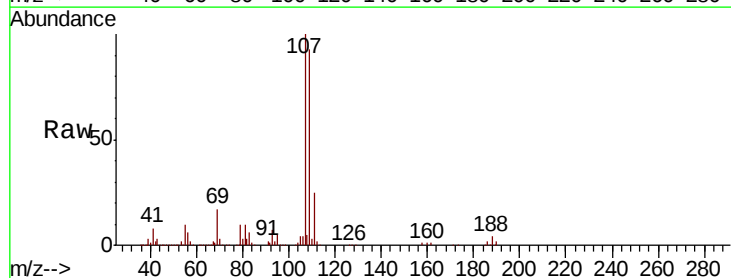
Acq: 16 Jul 2019 20:35

Tgt Ion:107 Resp: 137715

Ion Ratio Lower Upper

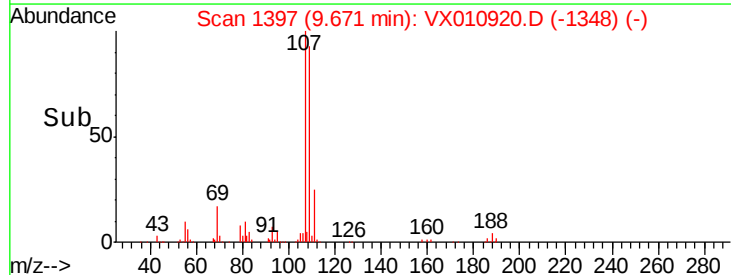
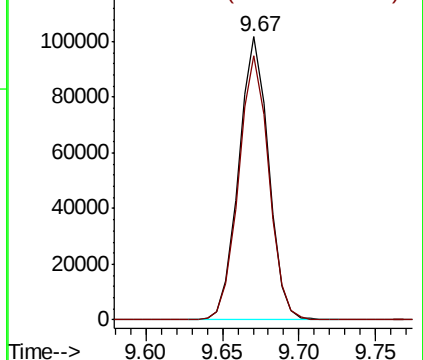
107 100

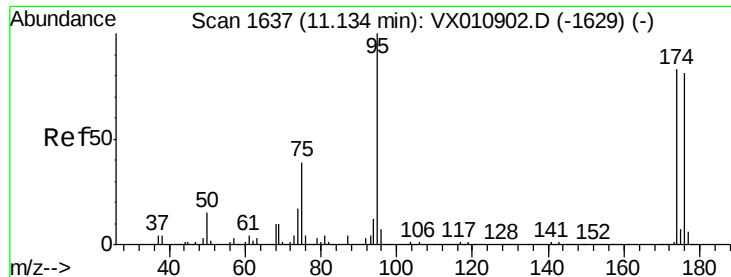
109 94.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 52.341 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

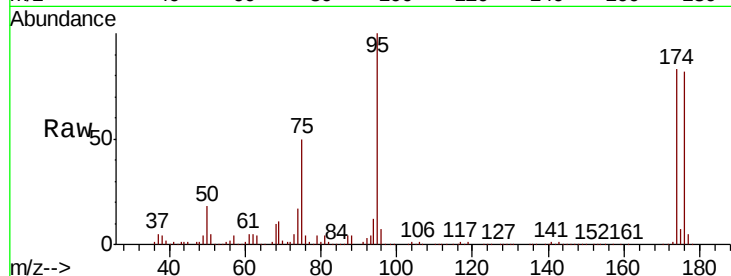
Tot Ion: 95 Resp: 167654

Ion Ratio Lower Upper

95 100

174 87.5 0.0 180.6

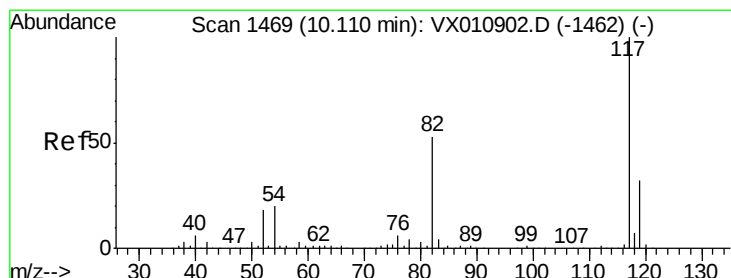
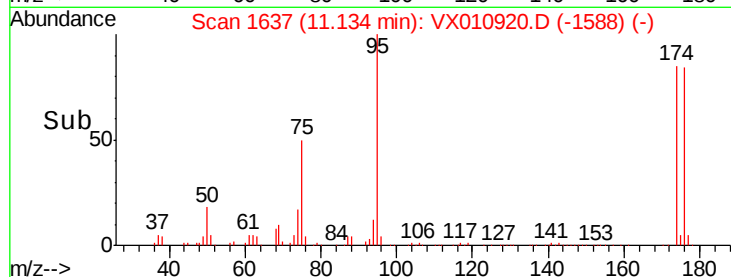
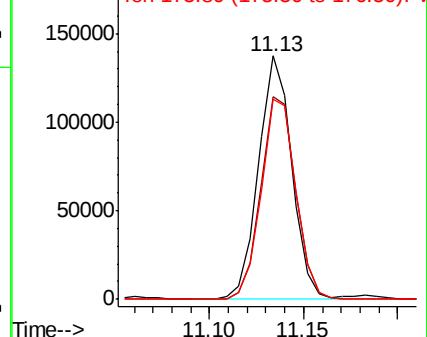
176 86.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

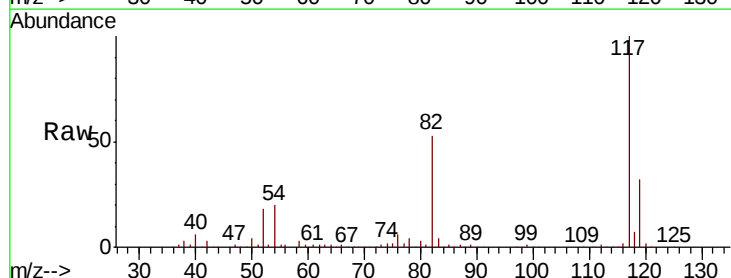
Tgt Ion: 117 Resp: 338005

Ion Ratio Lower Upper

117 100

82 53.1 42.6 63.8

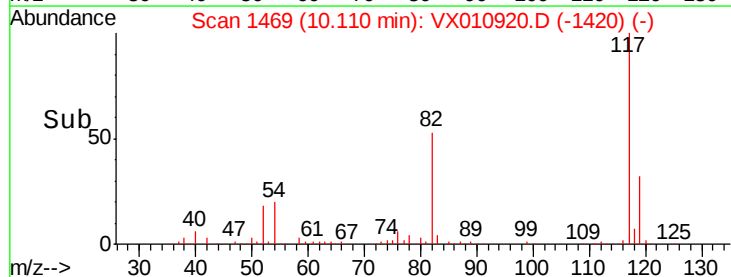
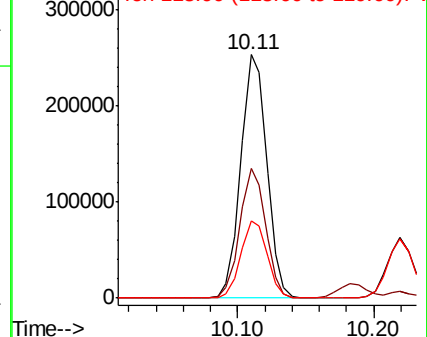
119 31.6 25.9 38.9

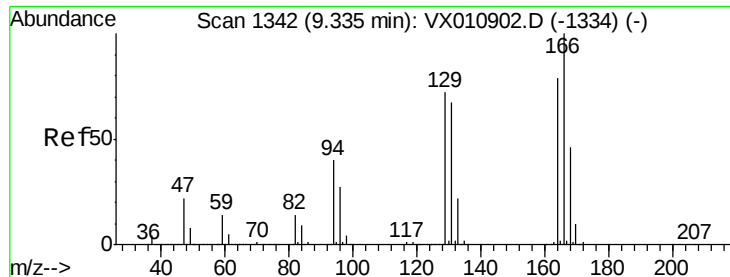


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 44.589 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

Tot Ion:164 Resp: 118563

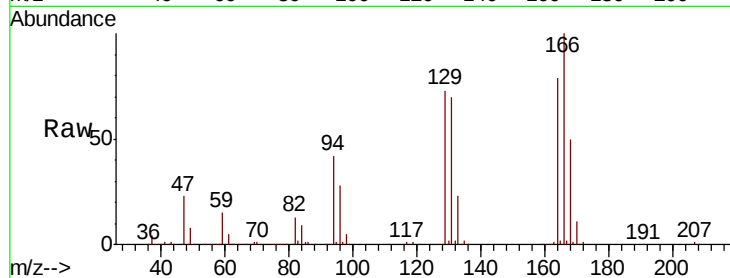
Ion Ratio Lower Upper

164 100

166 126.3 100.8 151.2

129 92.4 72.6 109.0

131 88.7 67.7 101.5

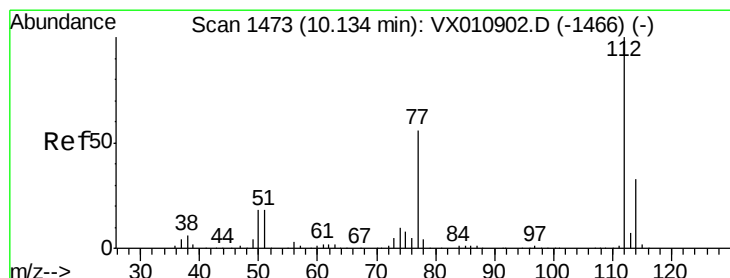
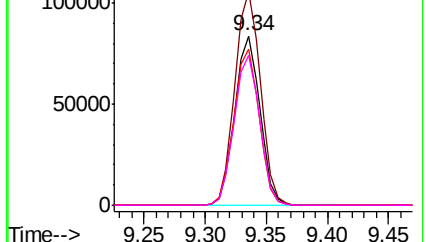
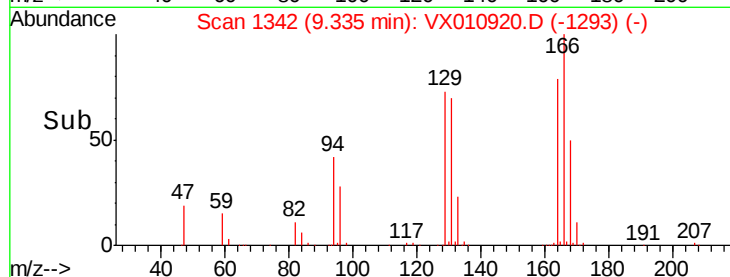


Abundance Ion 163.80 (163.50 to 164.50): V

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: 48.978 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010920.D

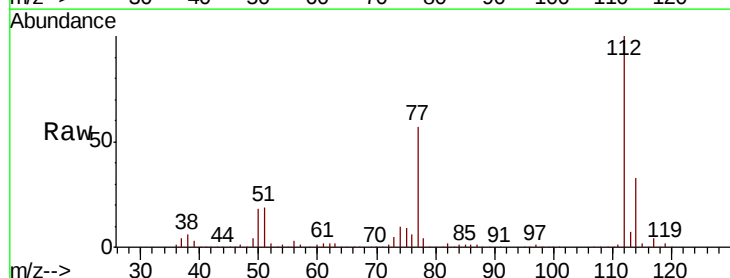
Acq: 16 Jul 2019 20:35

Tgt Ion:112 Resp: 340023

Ion Ratio Lower Upper

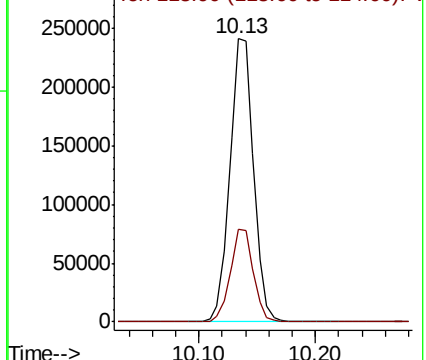
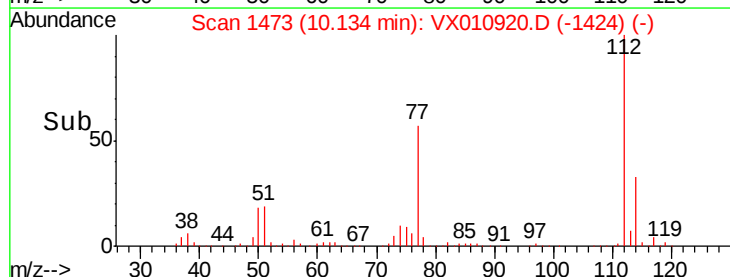
112 100

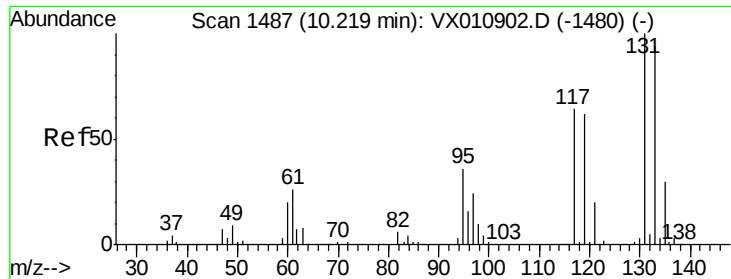
114 32.5 26.2 39.4



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: 51.770 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

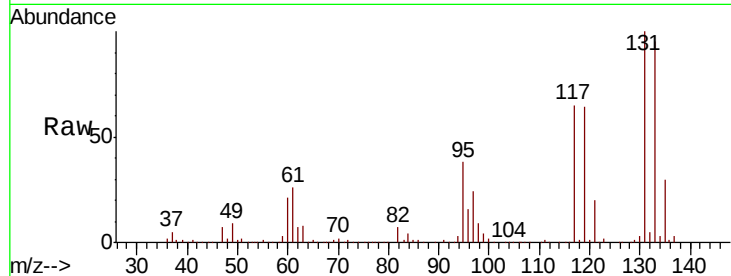
Tot Ion:131 Resp: 126315

Ion Ratio Lower Upper

131 100

133 95.7 47.1 141.4

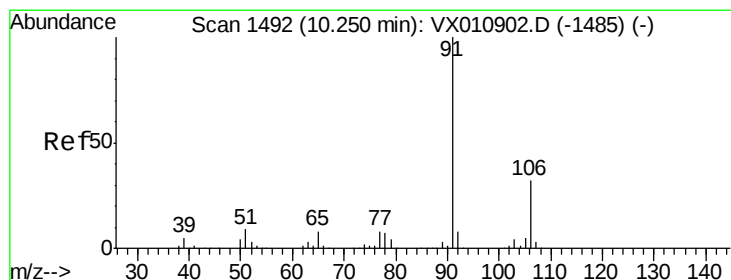
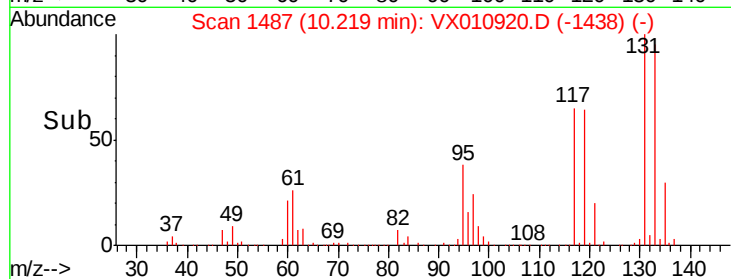
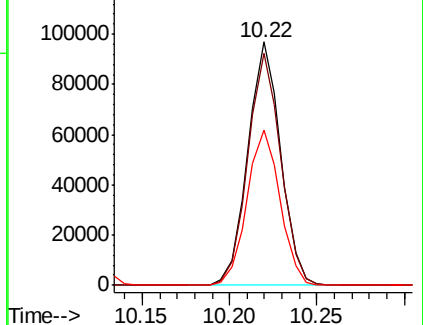
119 64.6 31.9 95.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 102.214 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010920.D

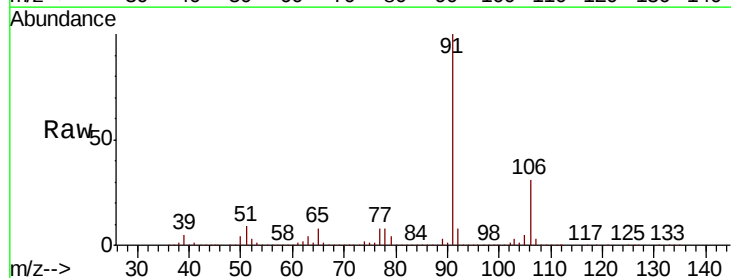
Acq: 16 Jul 2019 20:35

Tgt Ion: 91 Resp: 1207831

Ion Ratio Lower Upper

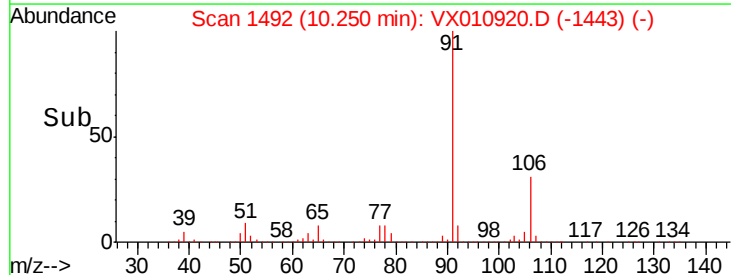
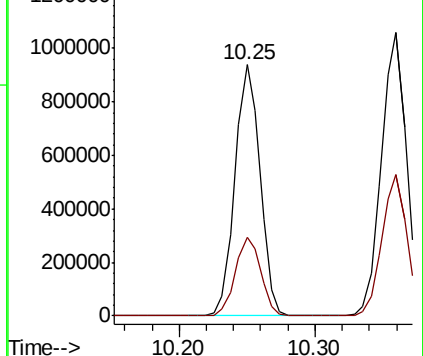
91 100

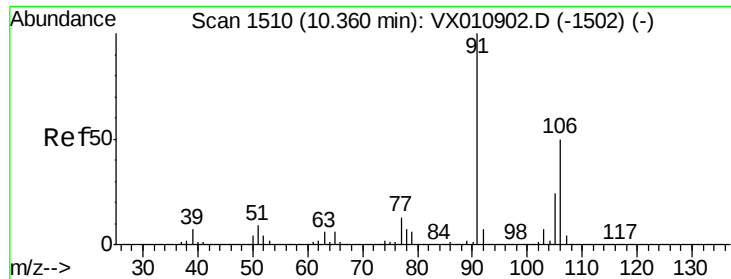
106 31.4 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

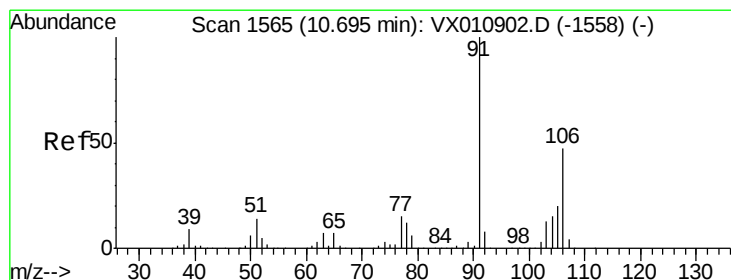
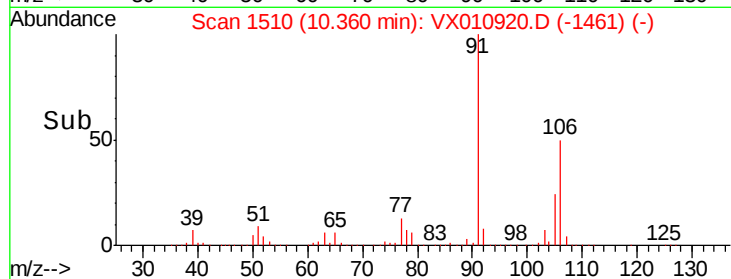
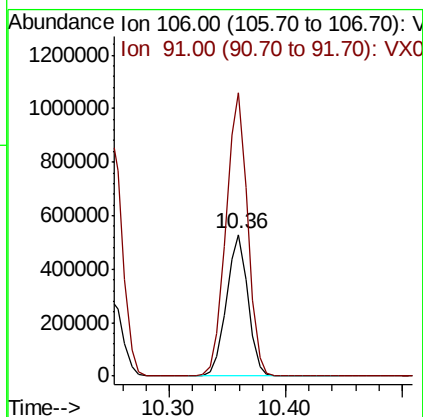
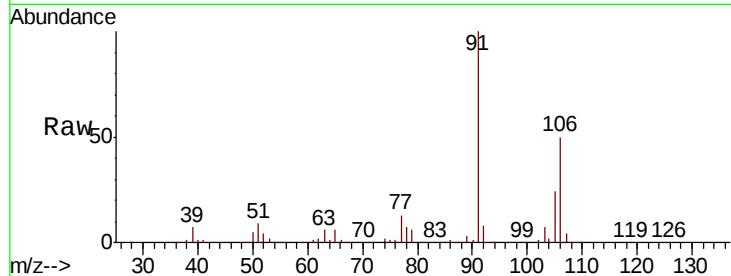




#68
m/p-Xylenes
Concen: 148.919 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

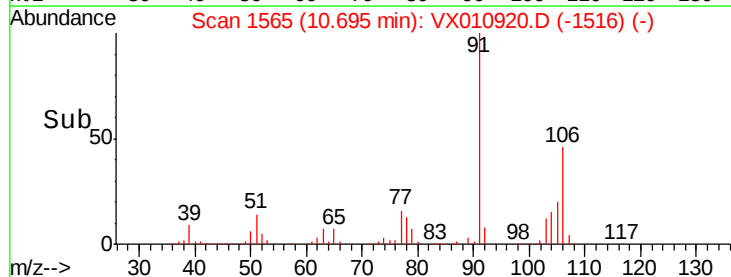
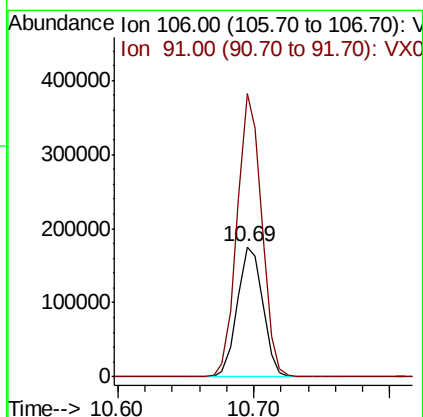
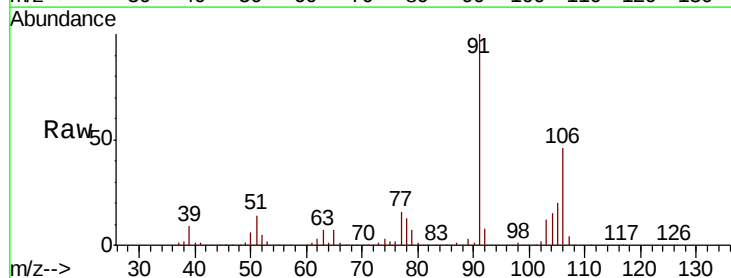
Instrument :
MSVOA_X
ClientSampleId :
FL-0604MSD

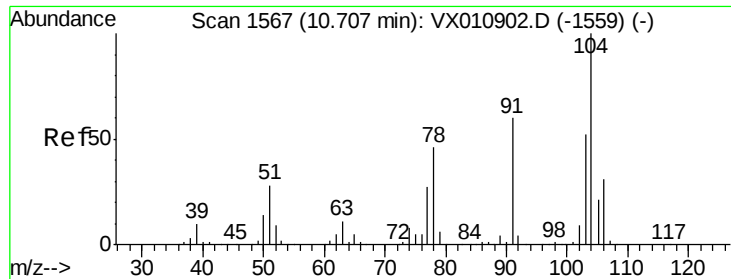
Tot Ion:106 Resp: 675017
Ion Ratio Lower Upper
106 100
91 201.5 160.1 240.1



#69
o-Xylene
Concen: 51.828 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion:106 Resp: 229277
Ion Ratio Lower Upper
106 100
91 209.1 105.1 315.3

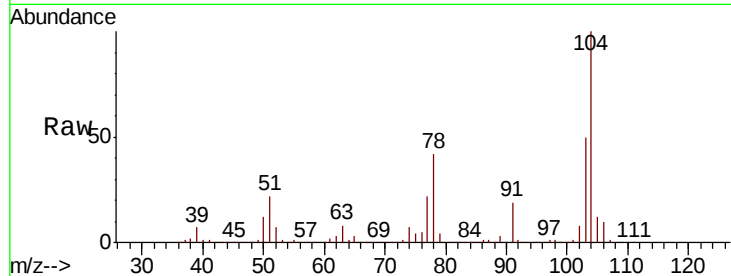




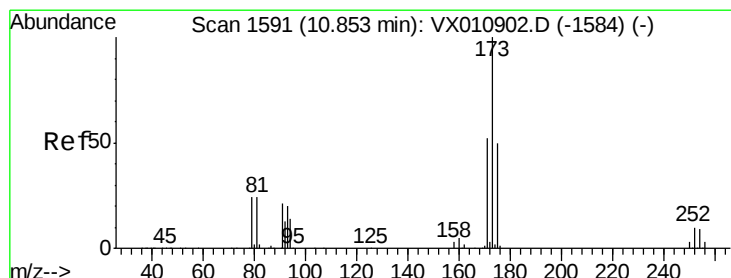
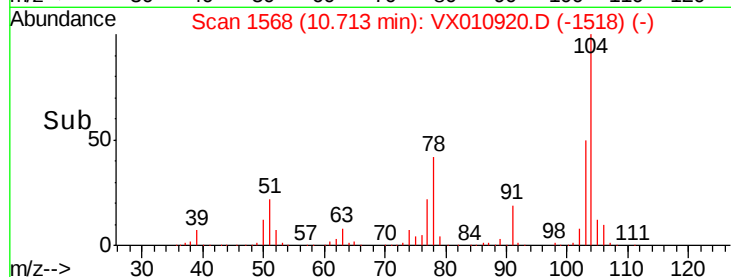
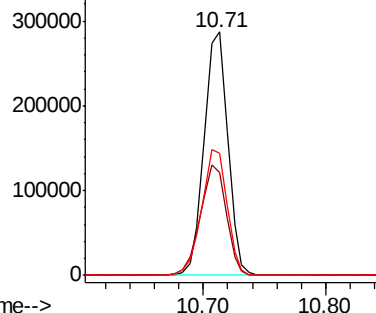
#70
Stvrene
Concen: 51.728 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Instrument :
MSVOA_X
ClientSampleId :
FL-0604MSD

Tot Ion:104 Resp: 381462
Ion Ratio Lower Upper
104 100
78 49.8 38.8 58.2
103 55.7 44.2 66.4

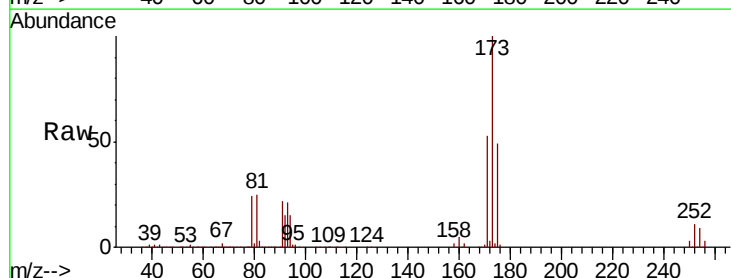


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

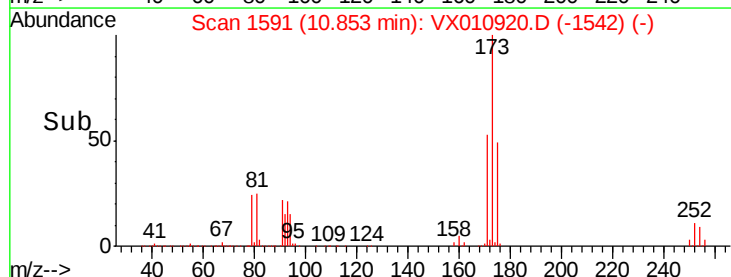
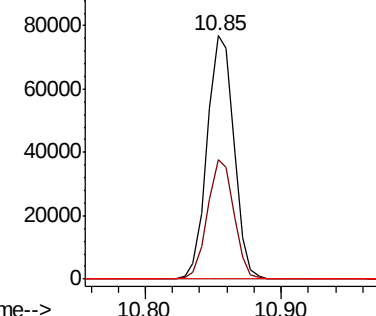


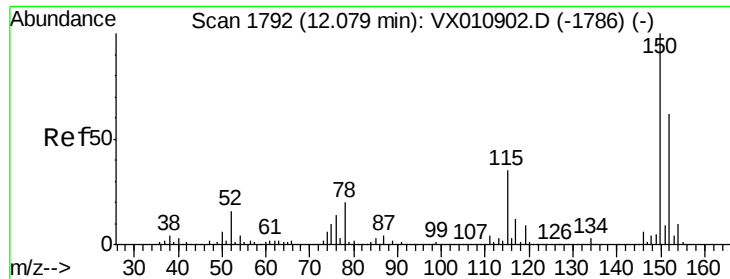
#71
Bromoform
Concen: 47.492 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion:173 Resp: 105208
Ion Ratio Lower Upper
173 100
175 48.5 24.6 73.6
254 0.1 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

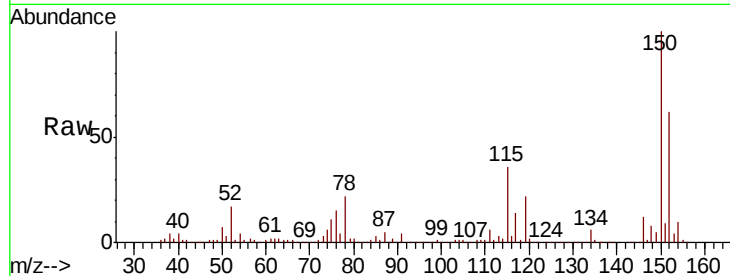
Tot Ion:152 Resp: 176961

Ion Ratio Lower Upper

152 100

115 83.7 39.7 119.1

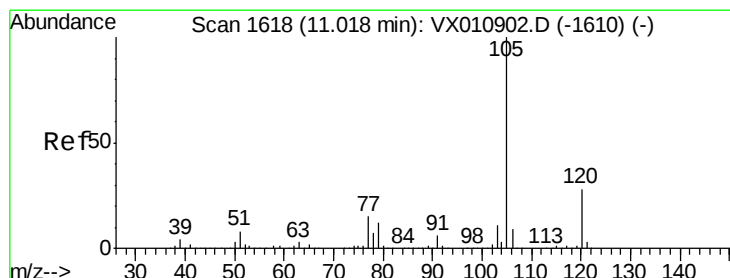
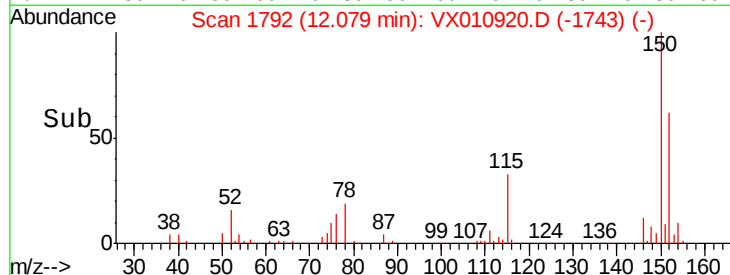
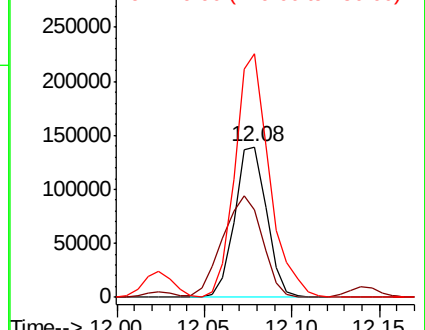
150 173.8 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 73.545 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010920.D

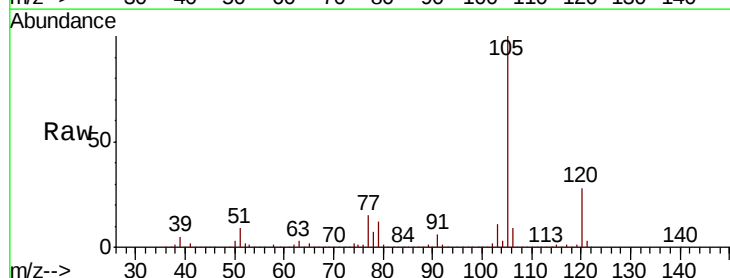
Acq: 16 Jul 2019 20:35

Tgt Ion:105 Resp: 879396

Ion Ratio Lower Upper

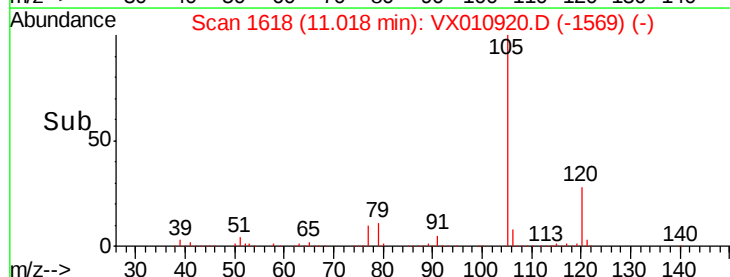
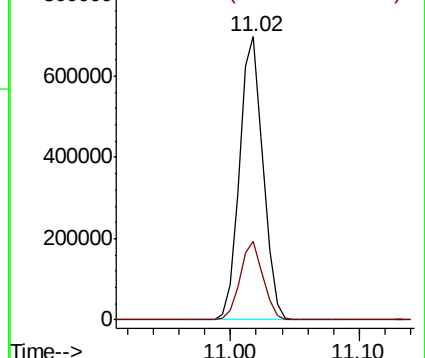
105 100

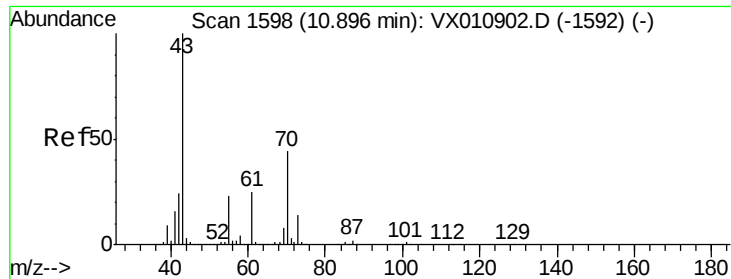
120 27.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

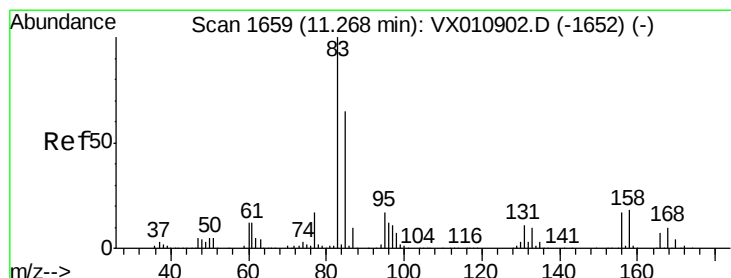
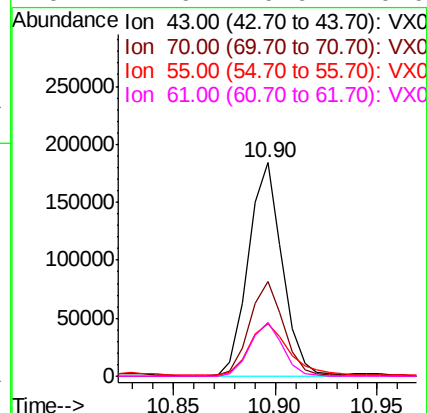
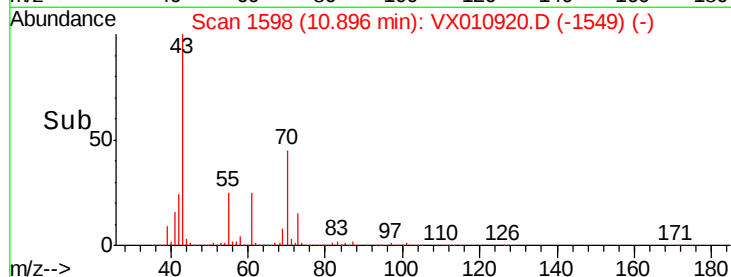
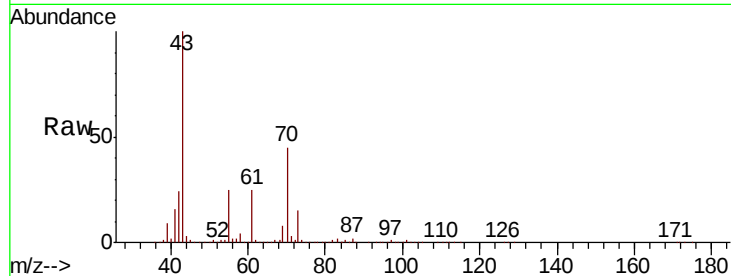




#74
N-amvl acetate
Concen: 46.506 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

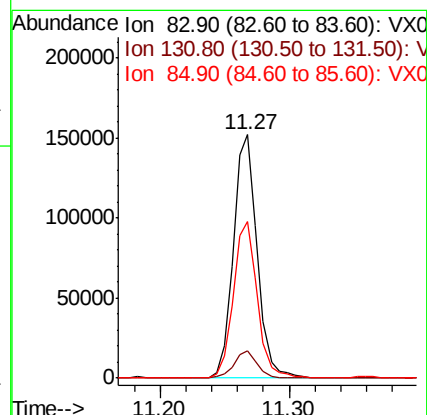
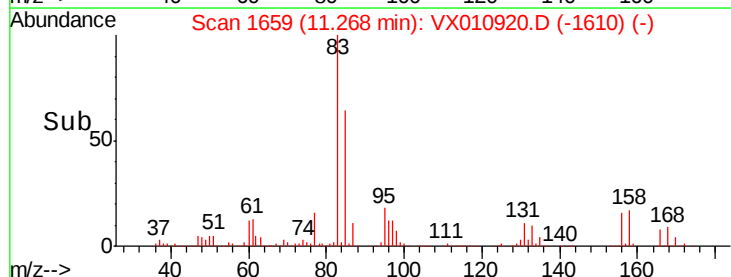
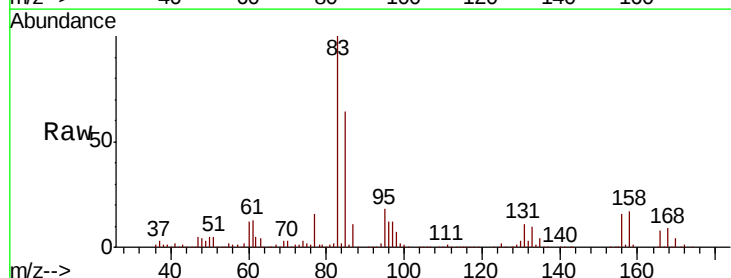
Instrument :
MSVOA_X
ClientSampled :
FL-0604MSD

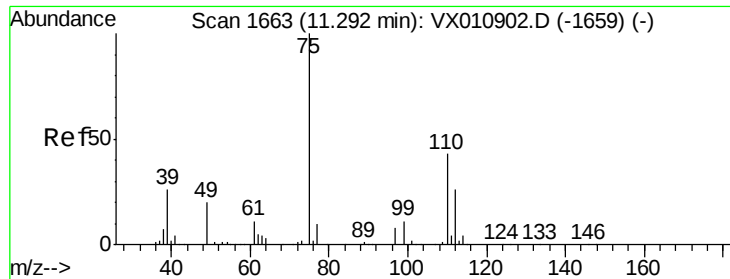
Tot Ion: 43 Resp: 212473
Ion Ratio Lower Upper
43 100
70 45.1 34.7 52.1
55 29.0 19.1 28.7#
61 24.9 19.9 29.9



#75
1,1,2,2-Tetrachloroethane
Concen: 50.379 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion: 83 Resp: 197137
Ion Ratio Lower Upper
83 100
131 10.8 5.5 16.4
85 64.5 32.3 96.9





#76

1,2,3-Trichloropropane

Concen: 67.153 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

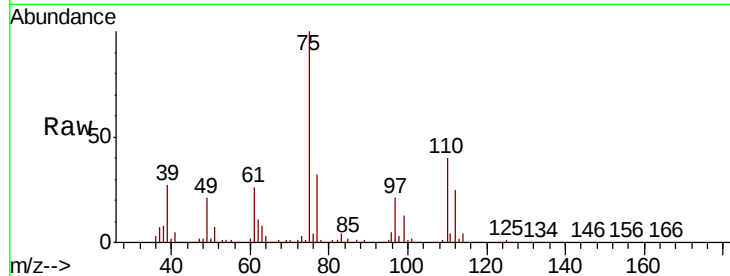
FL-0604MSD

Tot Ion: 75 Resp: 214444

Ion Ratio Lower Upper

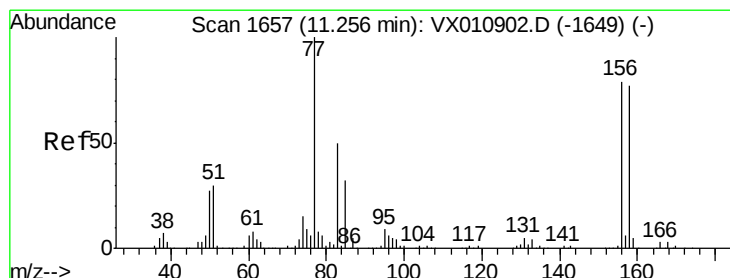
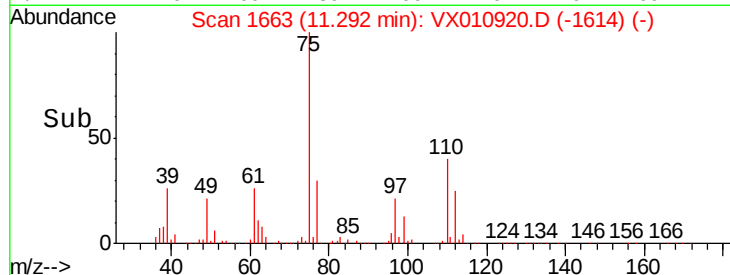
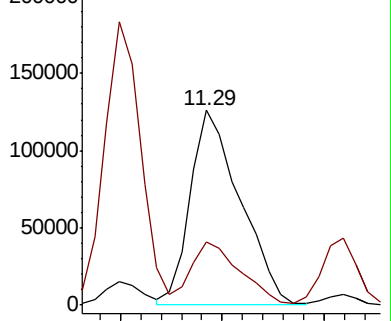
75 100

77 32.0 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 49.280 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

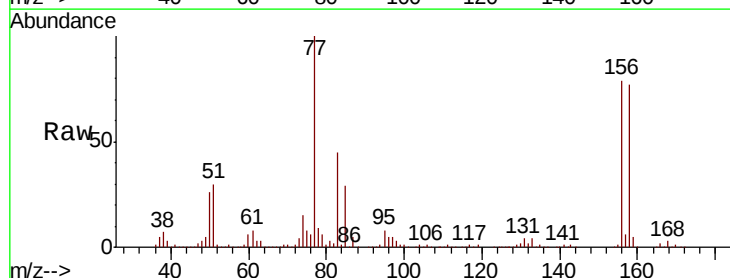
Tgt Ion: 156 Resp: 162536

Ion Ratio Lower Upper

156 100

77 140.1 68.7 206.1

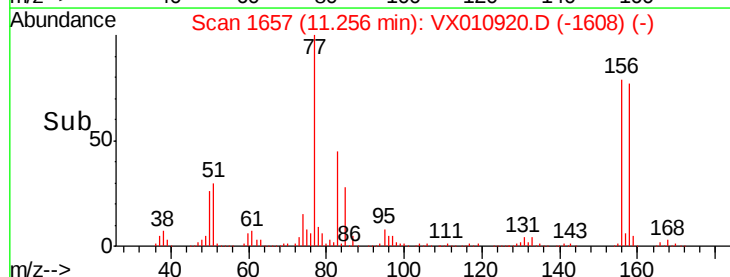
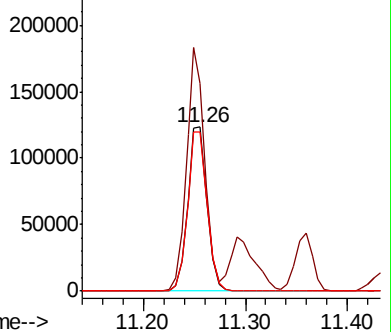
158 98.6 47.9 143.7

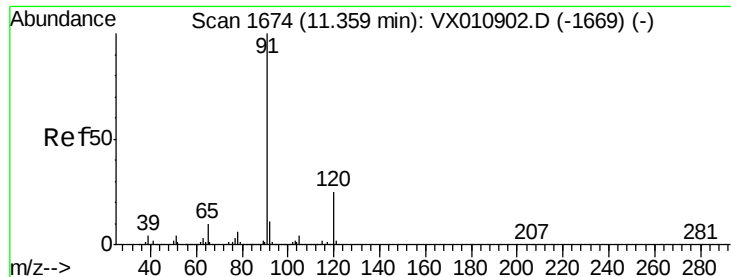


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 99.037 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

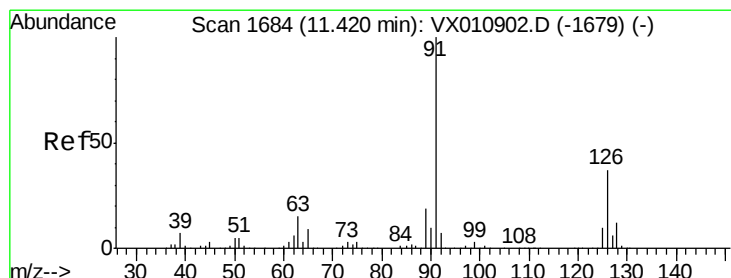
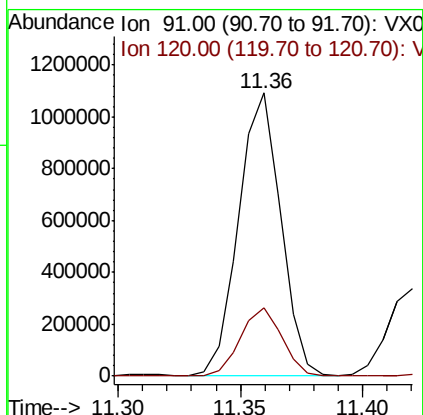
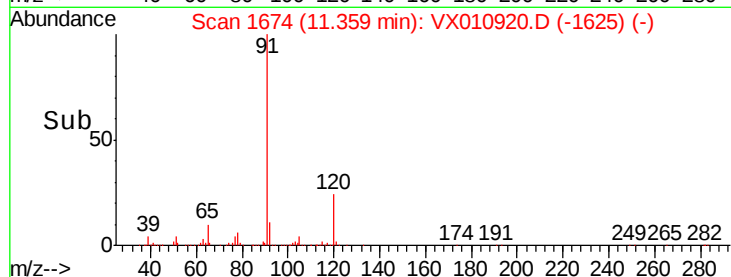
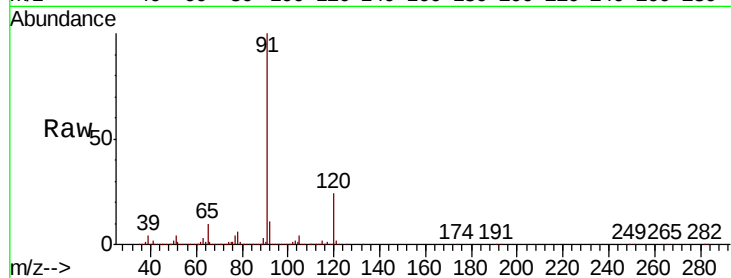
FL-0604MSD

Tot Ion: 91 Resp: 1308460

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.8



#79

2-Chlorotoluene

Concen: 52.836 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010920.D

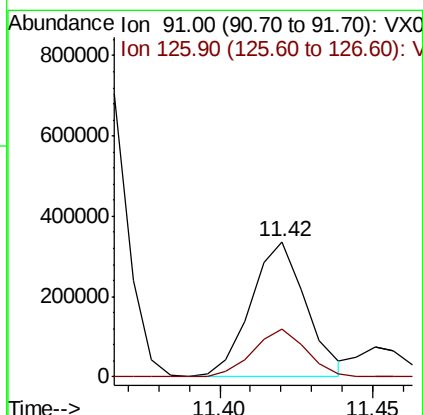
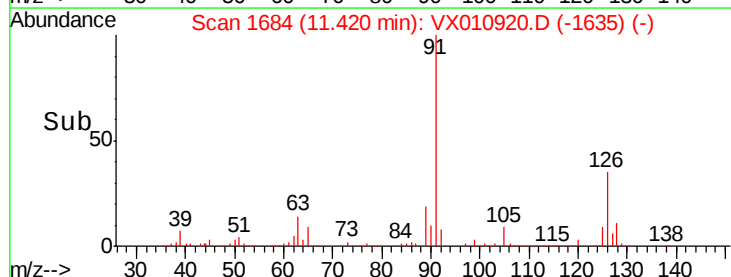
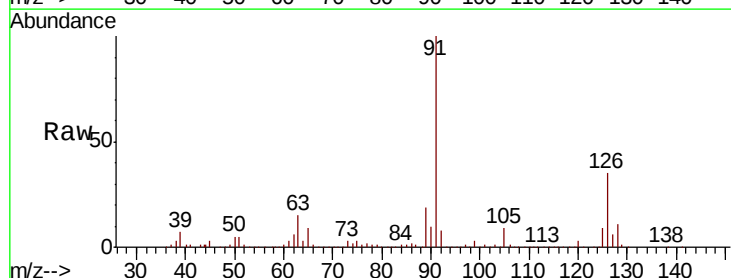
Acq: 16 Jul 2019 20:35

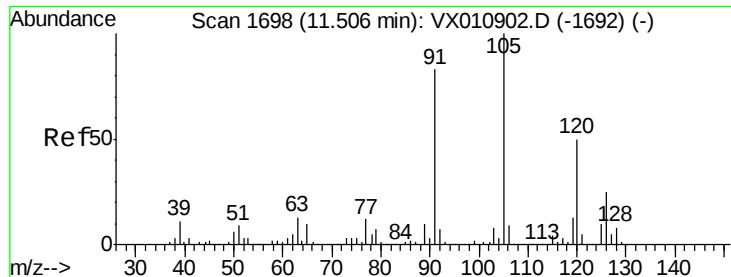
Tgt Ion: 91 Resp: 419340

Ion Ratio Lower Upper

91 100

126 34.1 18.0 54.0

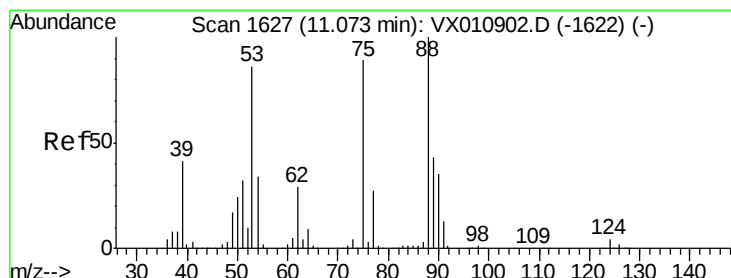
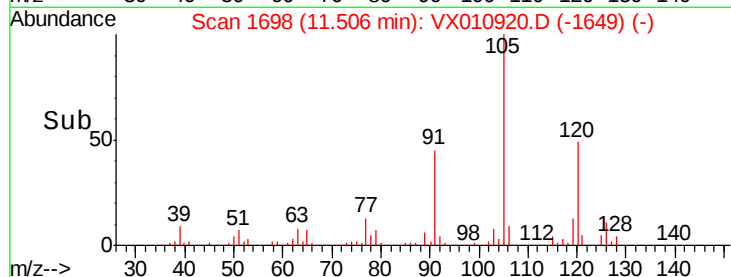
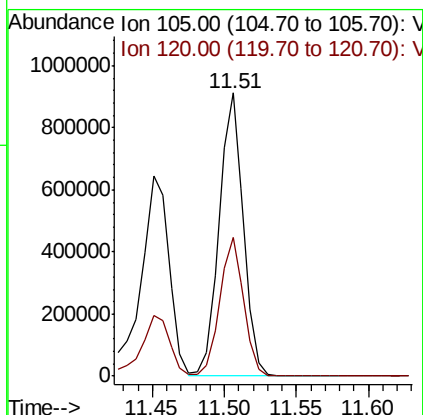
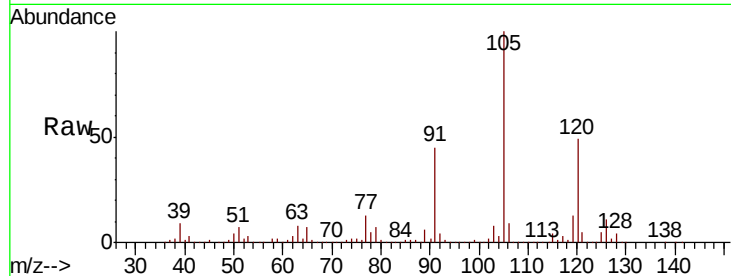




#80
 1,3,5-Trimethylbenzene
 Concen: 107.227 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

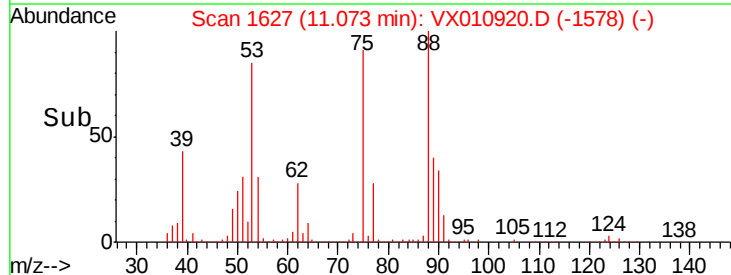
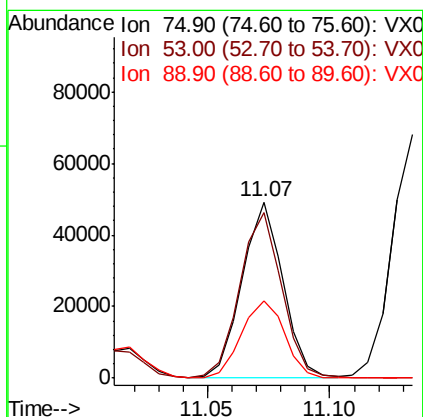
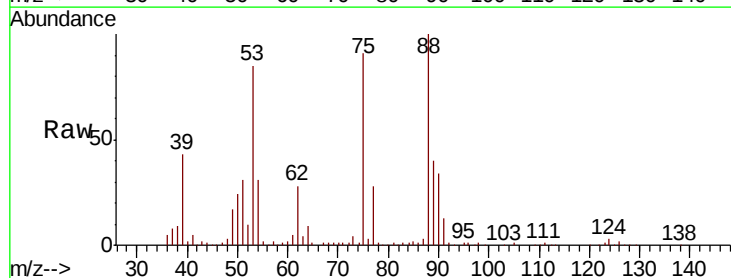
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0604MSD

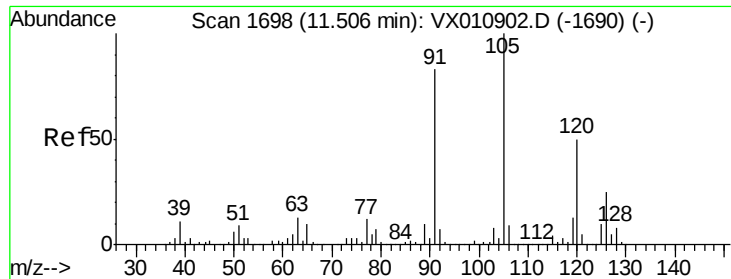
Tot Ion:105 Resp: 1071352
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.560 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion: 75 Resp: 56941
 Ion Ratio Lower Upper
 75 100
 53 96.2 76.7 115.1
 89 46.5 38.5 57.7

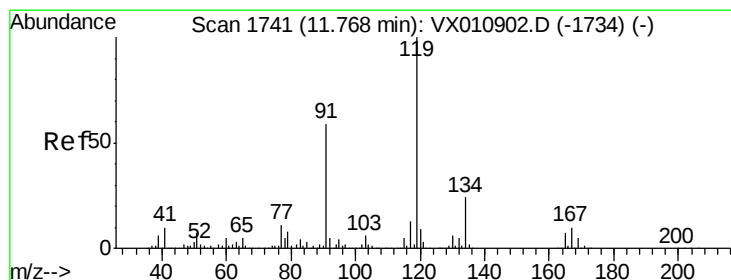
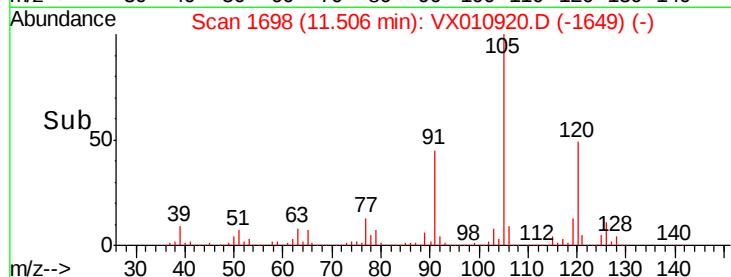
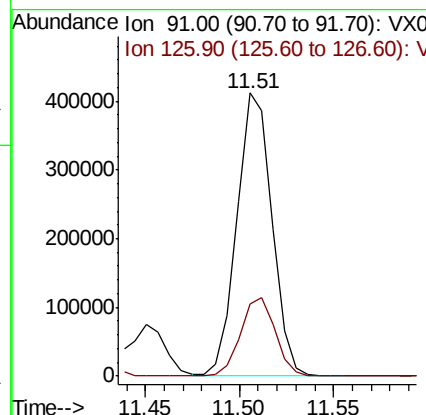
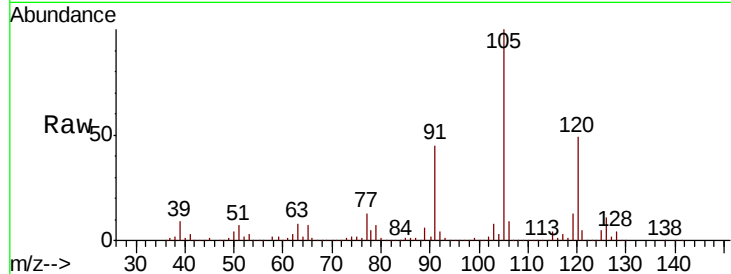




#82
 4-Chlorotoluene
 Concen: 57.517 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

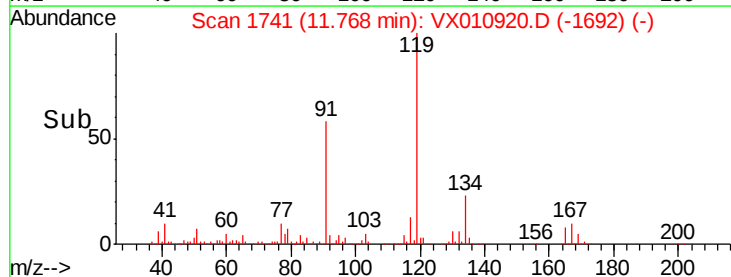
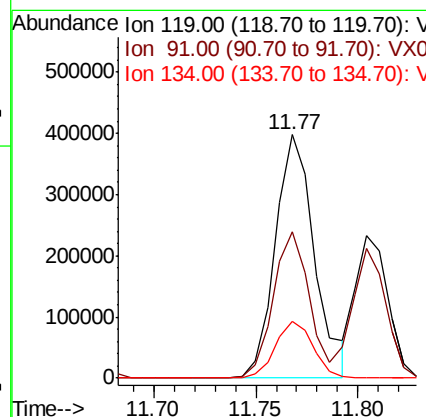
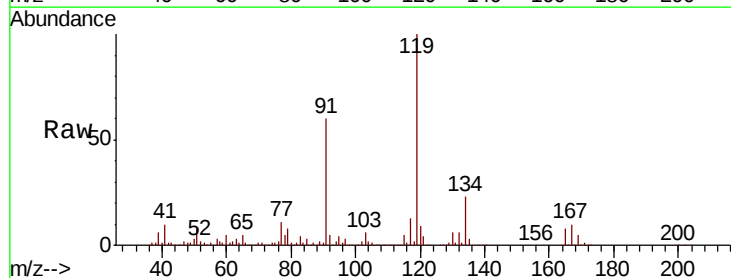
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

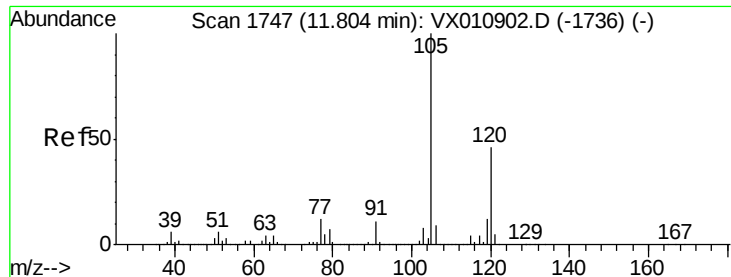
Tot Ion: 91 Resp: 531308
 Ion Ratio Lower Upper
 91 100
 126 27.4 15.9 47.7



#83
 tert-Butylbenzene
 Concen: 54.392 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion: 119 Resp: 533810
 Ion Ratio Lower Upper
 119 100
 91 55.3 28.6 85.8
 134 22.4 11.6 34.8



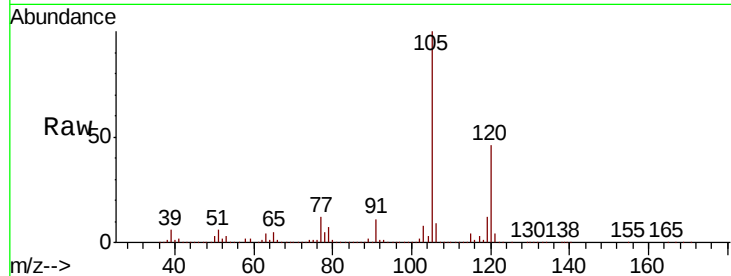


#84

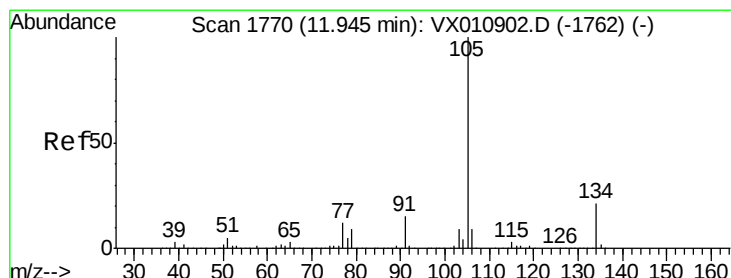
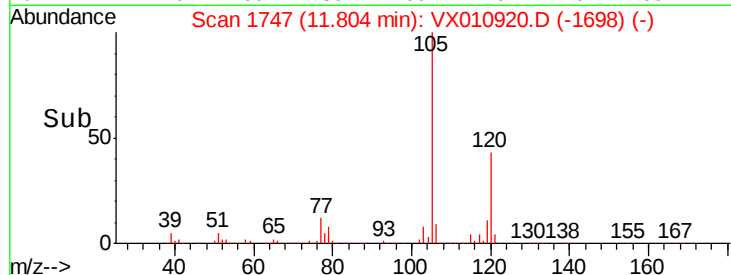
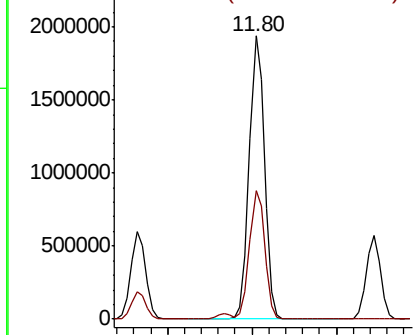
1,2,4-Trimethylbenzene
Concen: 229.888 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Instrument :
MSVOA_X
ClientSampled :
FL-0604MSD

Tot Ion:105 Resp: 2315061
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.5



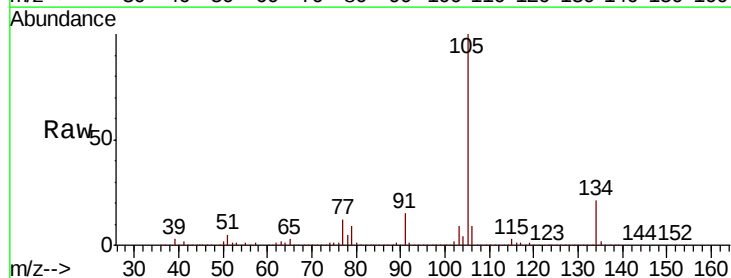
Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



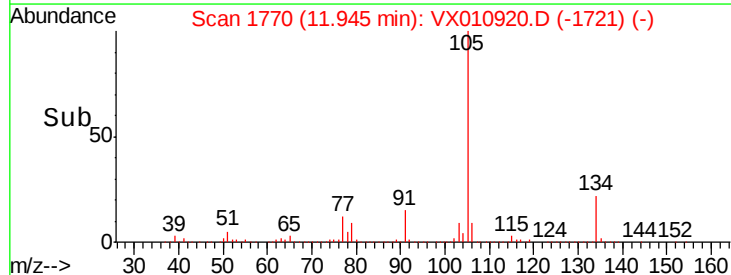
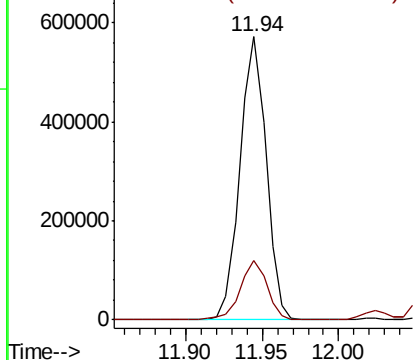
#85

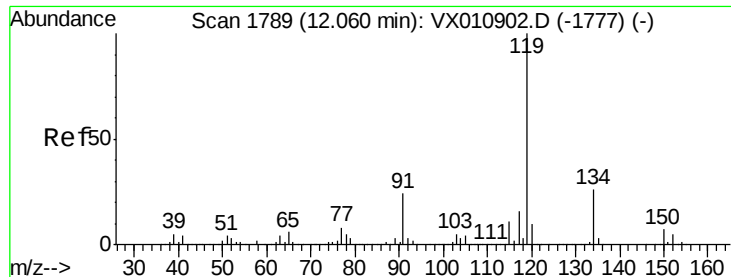
sec-Butylbenzene
Concen: 58.863 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX010920.D
Acq: 16 Jul 2019 20:35

Tgt Ion:105 Resp: 676895
Ion Ratio Lower Upper
105 100
134 21.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

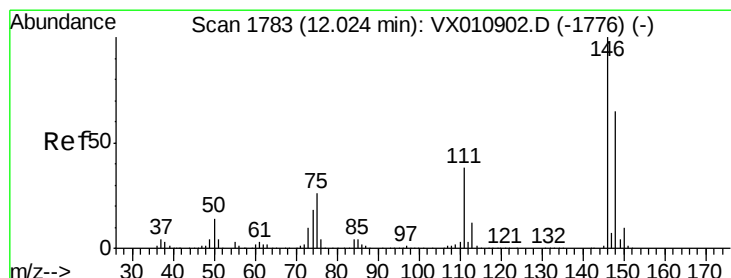
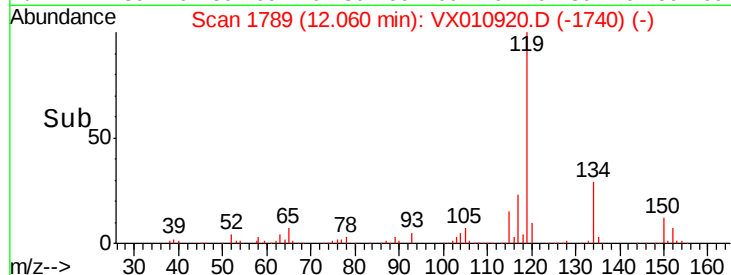
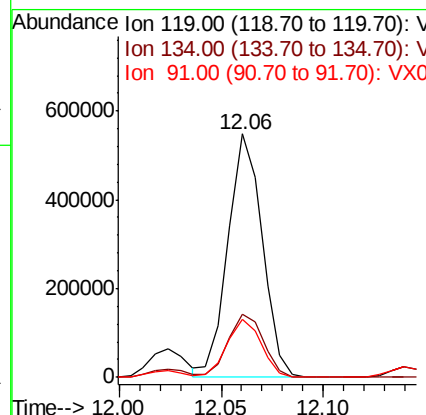
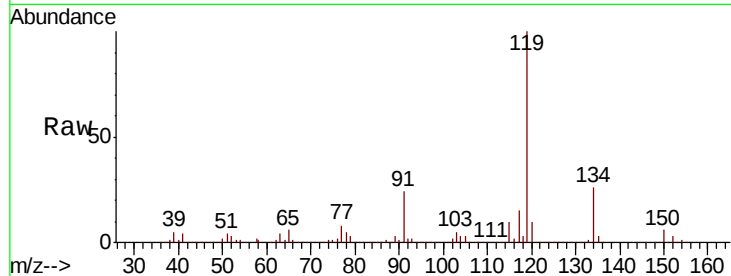




#86
 p-Isopropyltoluene
 Concen: 60.069 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

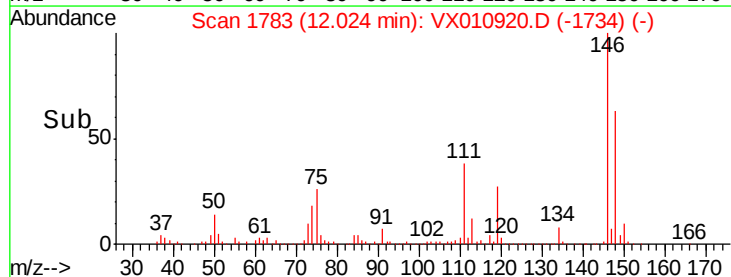
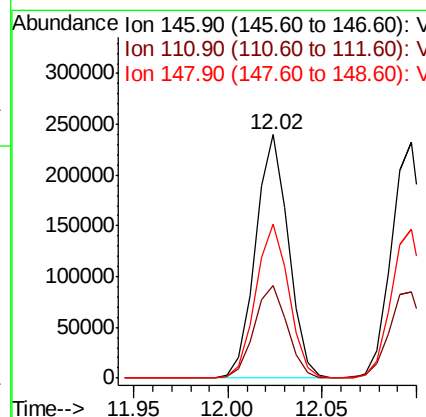
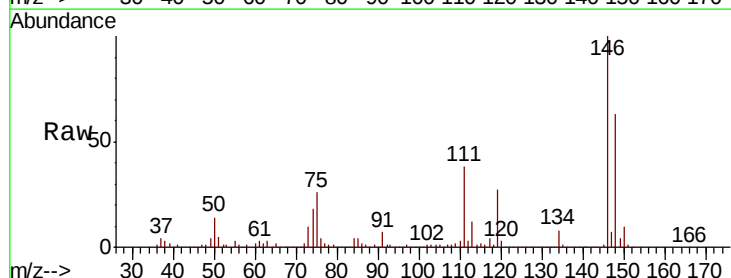
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

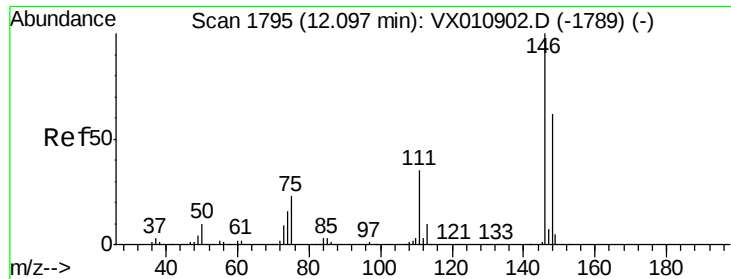
Tot Ion:119 Resp: 638609
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 23.9 11.8 35.4



#87
 1,3-Dichlorobenzene
 Concen: 50.449 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion:146 Resp: 288762
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.9
 148 63.9 32.2 96.6





#88

1,4-Dichlorobenzene

Concen: 48.700 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0604MSD

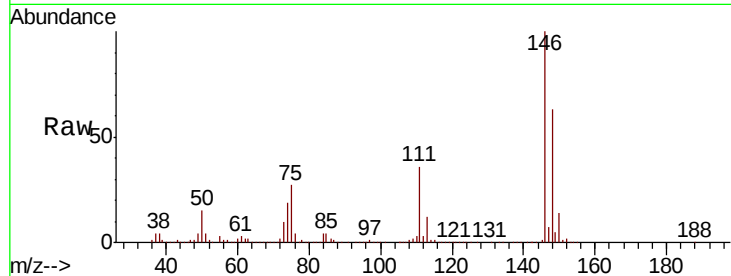
Tot Ion:146 Resp: 285885

Ion Ratio Lower Upper

146 100

111 38.0 18.6 55.8

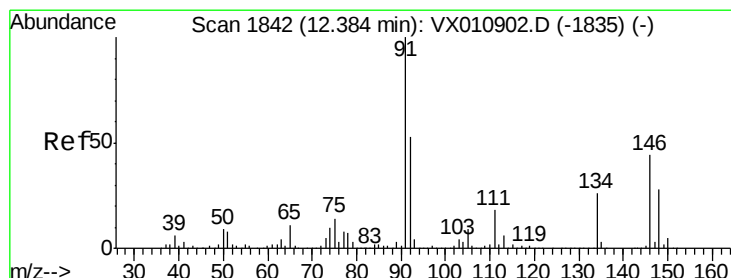
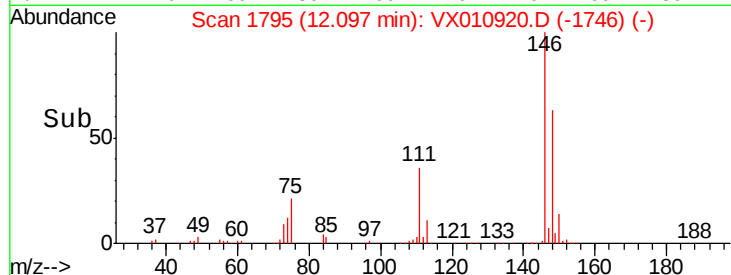
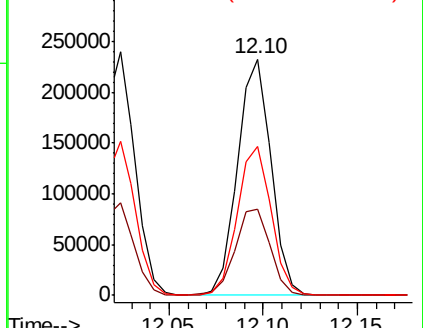
148 64.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 64.151 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

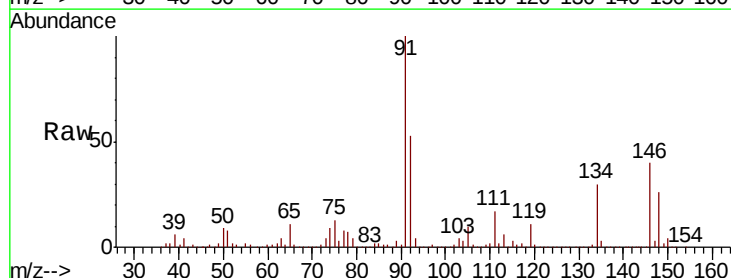
Tgt Ion: 91 Resp: 583478

Ion Ratio Lower Upper

91 100

92 49.8 26.2 78.5

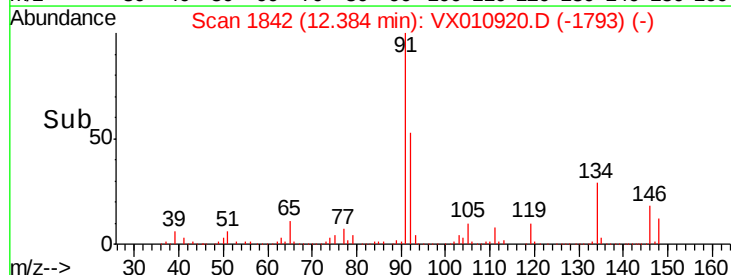
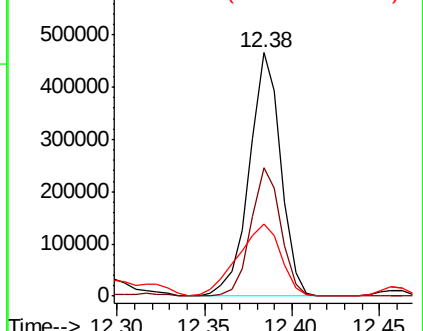
134 40.4 13.8 41.3

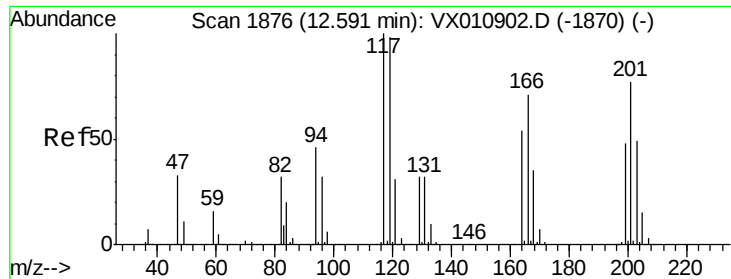


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 75.221 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampleId :

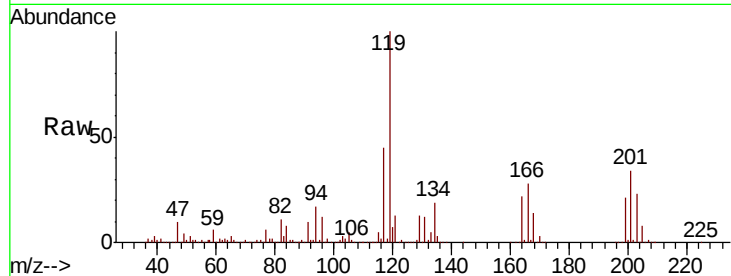
FL-0604MSD

Tot Ion:117 Resp: 126133

Ion Ratio Lower Upper

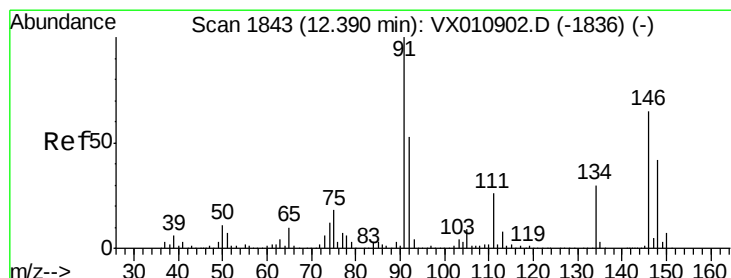
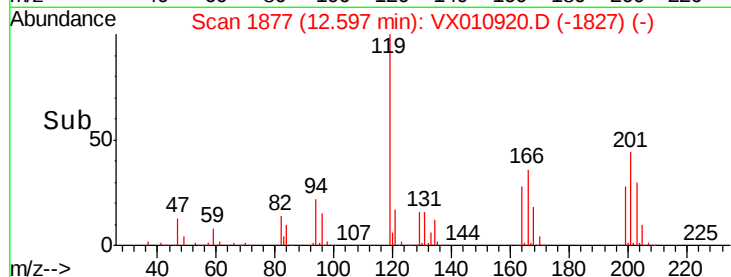
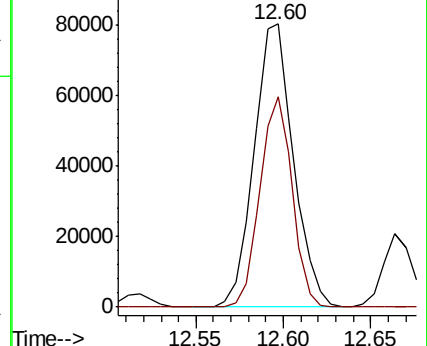
117 100

201 61.0 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.273 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

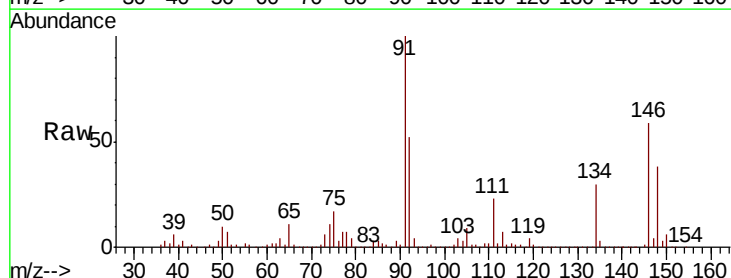
Tgt Ion:146 Resp: 279509

Ion Ratio Lower Upper

146 100

111 40.3 19.9 59.7

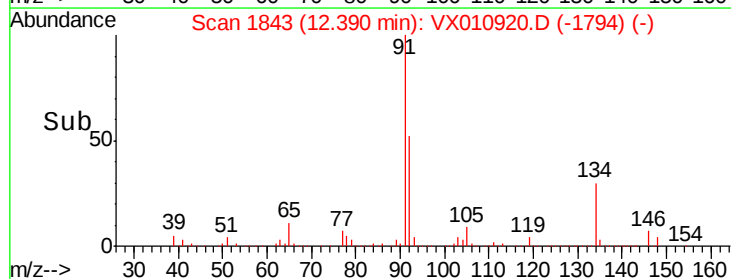
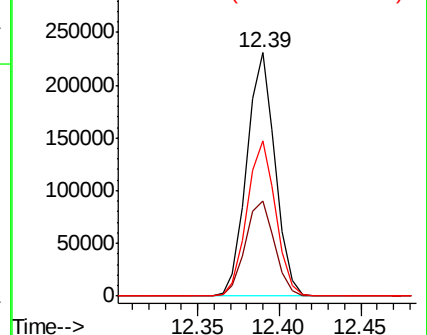
148 64.5 32.0 96.2

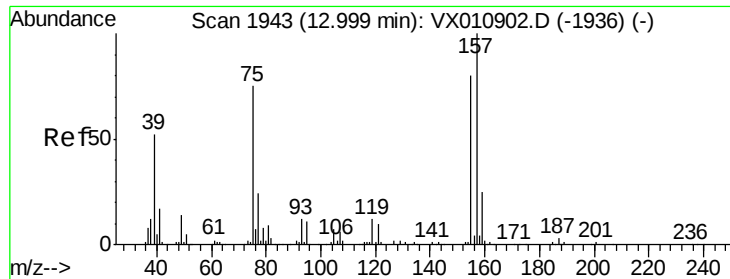


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

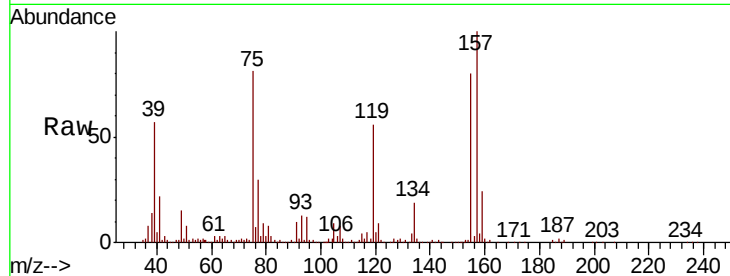




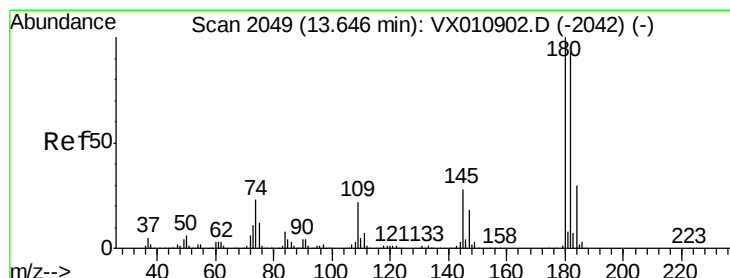
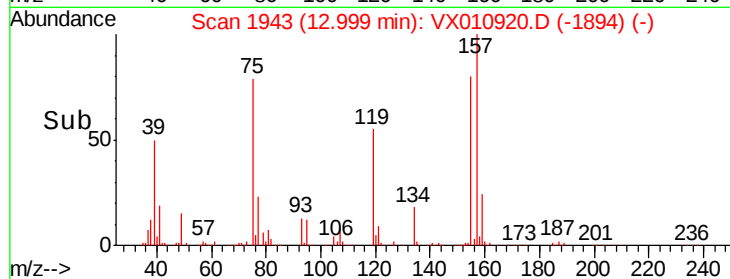
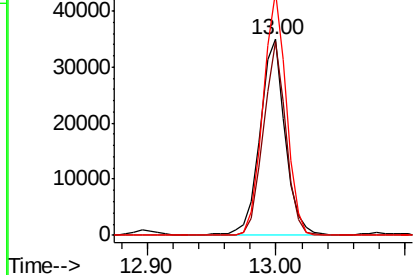
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.287 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

Tot Ion: 75 Resp: 46858
 Ion Ratio Lower Upper
 75 100
 155 88.3 48.7 146.1
 157 114.2 62.5 187.6

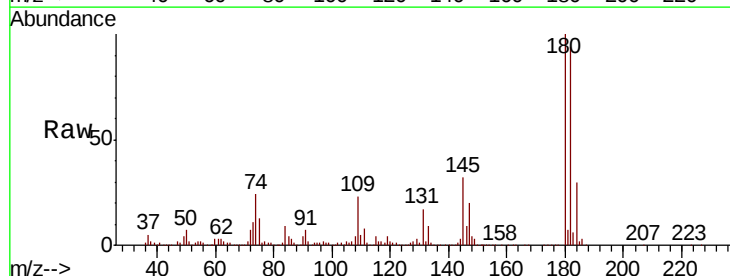


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

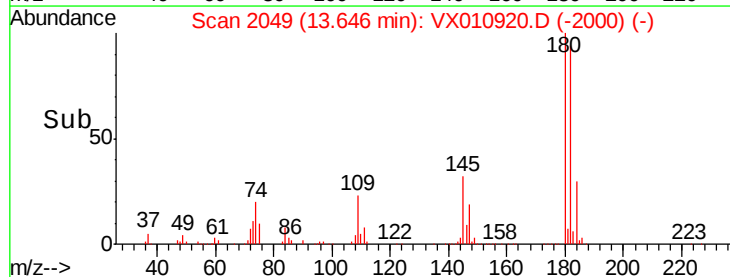
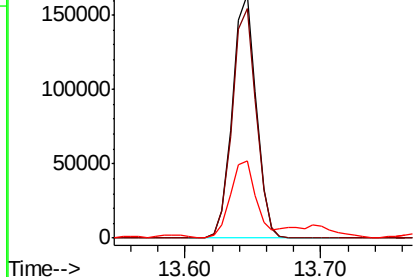


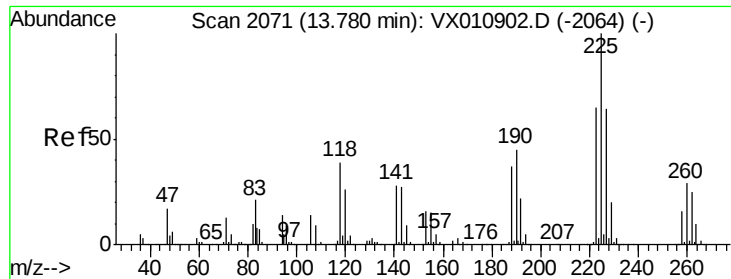
#93
 1,2,4-Trichlorobenzene
 Concen: 51.806 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Tgt Ion: 180 Resp: 199164
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.1 141.3
 145 34.7 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 48.533 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

Instrument :

MSVOA_X

ClientSampled :

FL-0604MSD

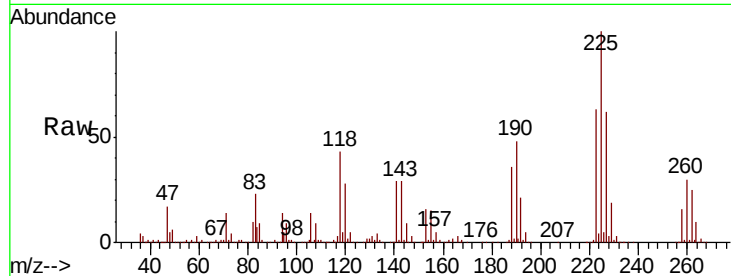
Tot Ion:225 Resp: 92461

Ion Ratio Lower Upper

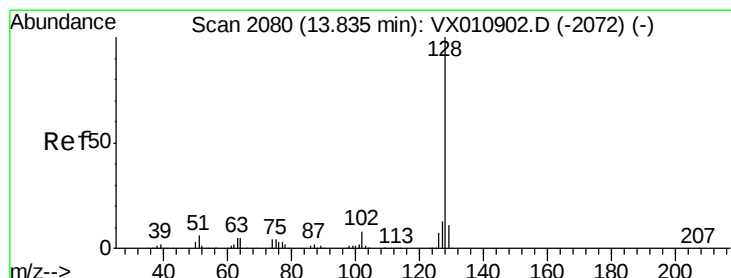
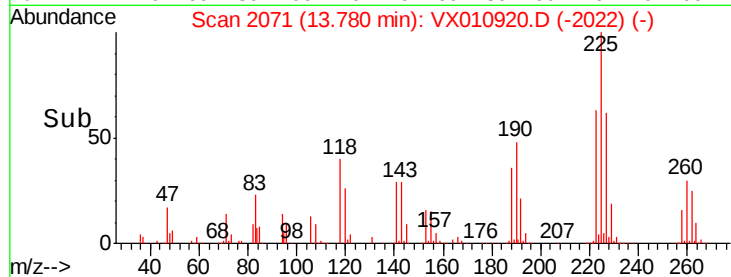
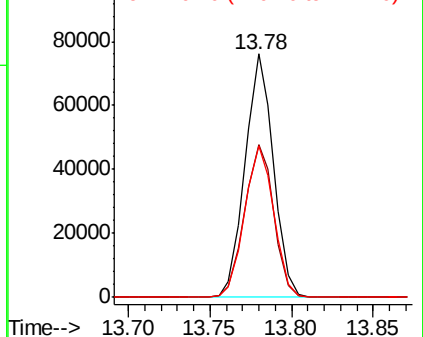
225 100

223 64.3 31.9 95.9

227 63.7 32.5 97.4



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



#95

Naphthalene

Concen: 69.489 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010920.D

Acq: 16 Jul 2019 20:35

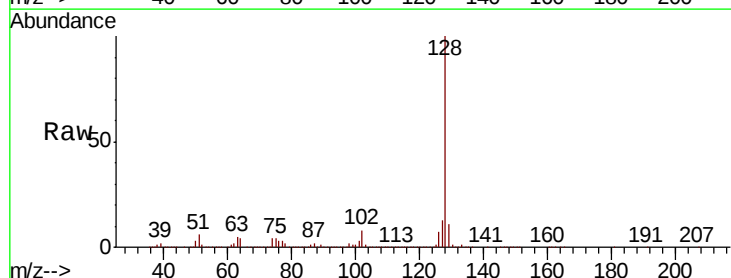
Tgt Ion:128 Resp: 788867

Ion Ratio Lower Upper

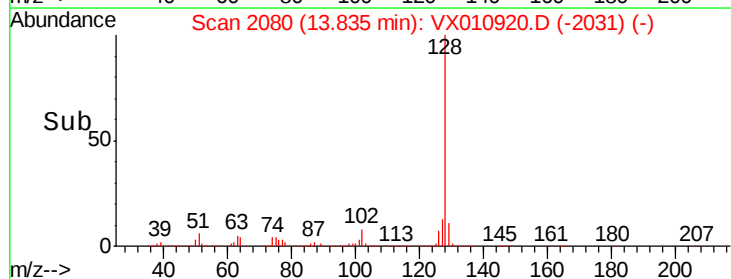
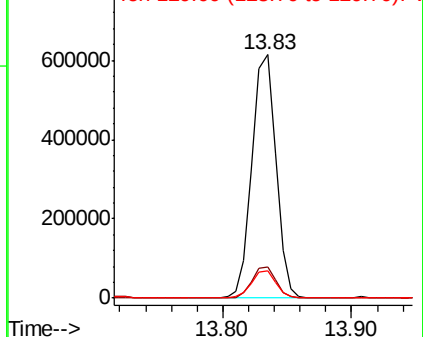
128 100

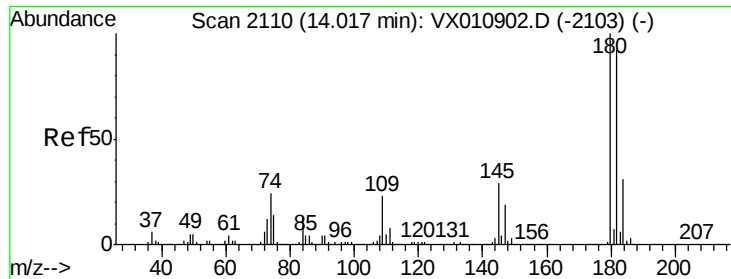
127 13.0 10.4 15.6

129 11.4 8.9 13.3



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

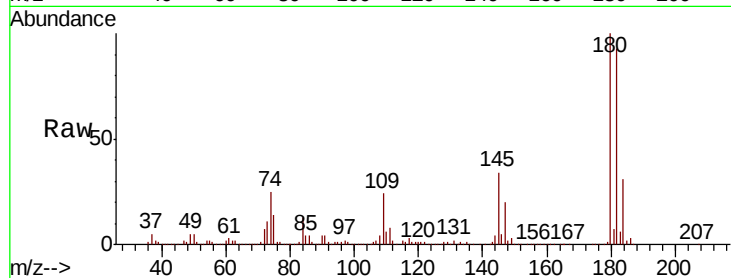




#96
 1,2,3-Trichlorobenzene
 Concen: 51.964 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010920.D
 Acq: 16 Jul 2019 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0604MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.3
145	36.1	15.1	45.3



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

