

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003513.D
 Acq On : 20 Jul 2018 16:58
 Operator : JC/SP
 Sample : J3965-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Quant Time: Jul 20 23:18:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	409901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	199737	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	5.51	113	168626	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	8.72	98	633476	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	11.14	95	231554	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	119731	53.45	ug/l	100
3) Chloromethane	1.32	50	163828	59.17	ug/l	98
4) Vinyl Chloride	1.40	62	177425	49.46	ug/l	100
5) Bromomethane	1.64	94	77391	54.45	ug/l	97
6) Chloroethane	1.71	64	115334	54.33	ug/l	100
7) Trichlorofluoromethane	1.92	101	244224	51.03	ug/l	100
8) Diethyl Ether	2.19	74	108372	52.72	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	152021	48.53	ug/l	97
10) Methyl Iodide	2.51	142	201584	53.57	ug/l	94
11) Tert butyl alcohol	3.08	59	199691	301.89	ug/l	100
12) 1,1-Dichloroethene	2.37	96	148095	51.34	ug/l	91
13) Acrolein	2.29	56	79359	265.53	ug/l	100
14) Allyl chloride	2.73	41	282201	55.27	ug/l	87
15) Acrylonitrile	3.15	53	475133	282.13	ug/l	98
16) Acetone	2.45	43	377212	298.74	ug/l #	88
17) Carbon Disulfide	2.57	76	405906	52.04	ug/l	98
18) Methyl Acetate	2.78	43	217946	54.75	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	519001	55.10	ug/l	98
20) Methylene Chloride	2.86	84	173461	56.29	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	162542	50.65	ug/l	95
22) Diisopropyl ether	3.87	45	521788	54.31	ug/l	98
23) Vinyl Acetate	3.82	43	1976299	249.72	ug/l	97
24) 1,1-Dichloroethane	3.70	63	308245	54.68	ug/l	100
25) 2-Butanone	4.71	43	606442	286.26	ug/l	93
26) 2,2-Dichloropropane	4.59	77	194267	45.37	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	183530	51.36	ug/l	99
28) Bromochloromethane	5.02	49	135428	54.96	ug/l	90
29) Tetrahydrofuran	5.17	42	394744	282.06	ug/l	92
30) Chloroform	5.22	83	296748	53.91	ug/l	97
31) Cyclohexane	5.57	56	260837	51.79	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	252191	53.50	ug/l	98
36) 1,1-Dichloropropene	5.80	75	216800	48.99	ug/l	98
37) Ethyl Acetate	4.87	43	213956	51.09	ug/l	96
38) Carbon Tetrachloride	5.78	117	221249	50.97	ug/l	98

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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	251579	48.00	ug/l	94
40) Benzene	6.15	78	680678	50.94	ug/l	99
41) Methacrylonitrile	5.07	41	131342	53.36	ug/l	93
42) 1,2-Dichloroethane	6.20	62	227416	54.02	ug/l	96
43) Isopropyl Acetate	6.47	43	349930	52.53	ug/l	94
44) Trichloroethene	7.21	130	192185	48.23	ug/l	99
45) 1,2-Dichloropropane	7.52	63	176856	52.13	ug/l	99
46) Dibromomethane	7.67	93	115461	52.86	ug/l	98
47) Bromodichloromethane	7.90	83	217874	54.49	ug/l	98
48) Methyl methacrylate	7.78	41	190447	56.69	ug/l	86
49) 1,4-Dioxane	7.76	88	84876	1115.05	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1214340	288.54	ug/l	93
52) Toluene	8.79	92	430876	51.23	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	256935	52.20	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	237742	53.71	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	176578	52.76	ug/l	97
56) Ethyl methacrylate	9.18	69	264616	56.13	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	290556	53.71	ug/l	99
59) 2-Hexanone	9.50	43	910403	291.97	ug/l	88
60) Dibromochloromethane	9.59	129	181160	54.69	ug/l	100
61) 1,2-Dibromoethane	9.68	107	185164	53.37	ug/l	100
64) Tetrachloroethene	9.34	164	223767	46.93	ug/l	97
65) Chlorobenzene	10.14	112	492014	48.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	176762	50.96	ug/l	99
67) Ethyl Benzene	10.26	91	818377	50.48	ug/l	100
68) m/p-Xylenes	10.36	106	639675	100.65	ug/l	97
69) o-Xylene	10.70	106	311392	50.67	ug/l	96
70) Stvrene	10.71	104	524314	51.87	ug/l	97
71) Bromoform	10.86	173	140859	52.26	ug/l	99
73) Isopropylbenzene	11.02	105	822882	49.90	ug/l	100
74) N-amyl acetate	6.47	43	349930	49.97	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	251394	52.02	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	291740	68.10	ug/l	81
77) Bromobenzene	11.26	156	227283	47.92	ug/l	98
78) n-propylbenzene	11.37	91	931408	50.81	ug/l	99
79) 2-Chlorotoluene	11.42	91	557052	50.05	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	695435	51.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	72202	47.97	ug/l	89
82) 4-Chlorotoluene	11.51	91	648884	49.76	ug/l	98
83) tert-Butylbenzene	11.77	119	669670	50.45	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	712030	51.63	ug/l	98
85) sec-Butylbenzene	11.95	105	802893	49.80	ug/l	100
86) p-Isopropyltoluene	12.07	119	732131	50.60	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	415778	47.69	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	418778	46.62	ug/l	99
89) n-Butylbenzene	12.39	91	603597	49.13	ug/l	99
90) Hexachloroethane	12.60	117	104412	50.76	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	421691	49.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51185	54.42	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	285285	45.30	ug/l	99

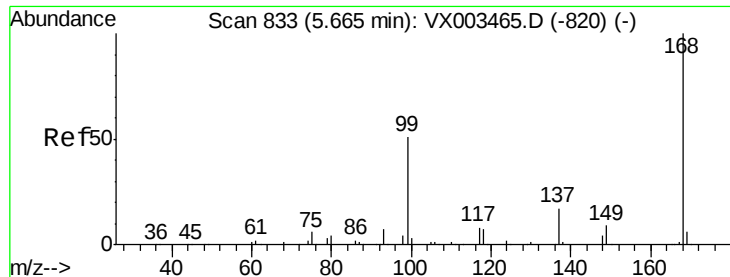
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	130150	42.97	ug/l	100
95) Naphthalene	13.83	128	845662	51.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	292710	46.95	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

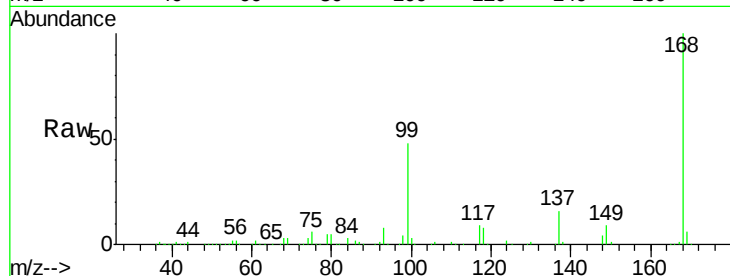
LF1-0034MS

Tot Ion:168 Resp: 282398

Ion Ratio Lower Upper

168 100

99 48.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

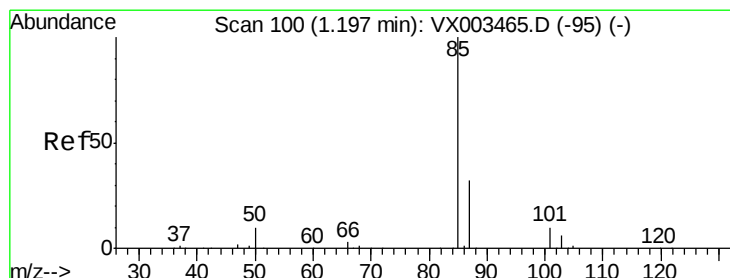
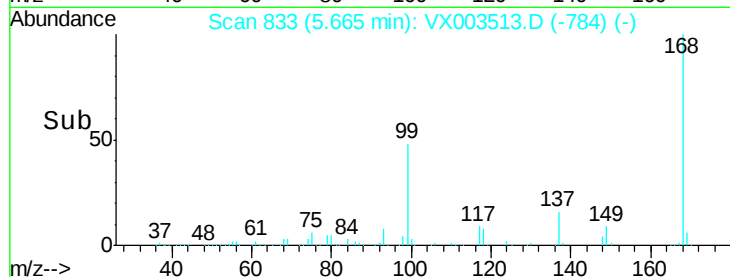
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 53.45 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003513.D

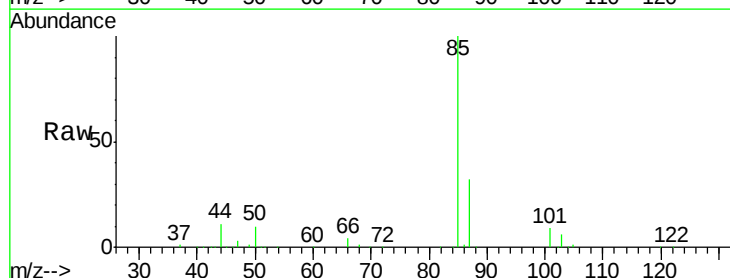
Acq: 20 Jul 2018 16:58

Tgt Ion: 85 Resp: 119731

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

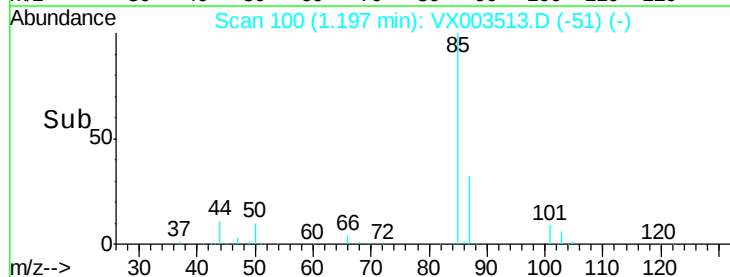
100000

50000

0

Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 59.17 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

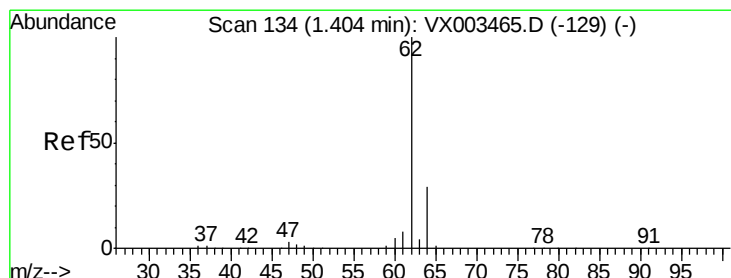
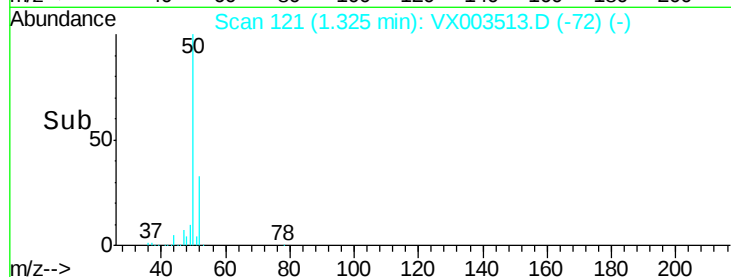
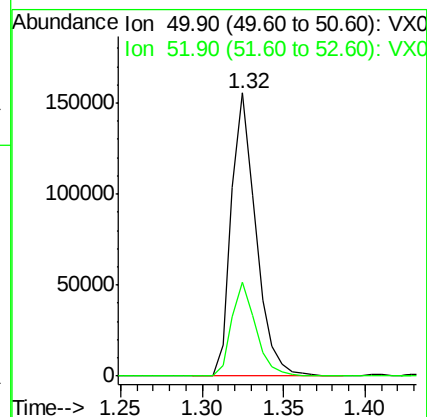
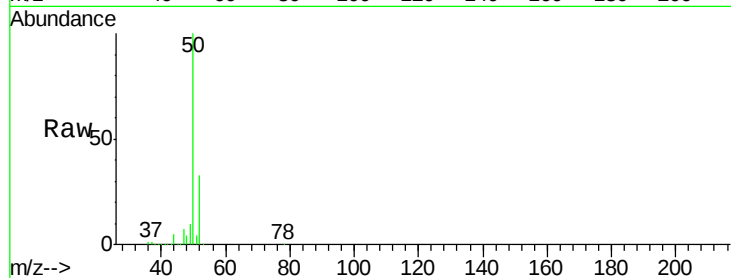
LF1-0034MS

Tot Ion: 50 Resp: 163828

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



#4

Vinyl Chloride

Concen: 49.46 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003513.D

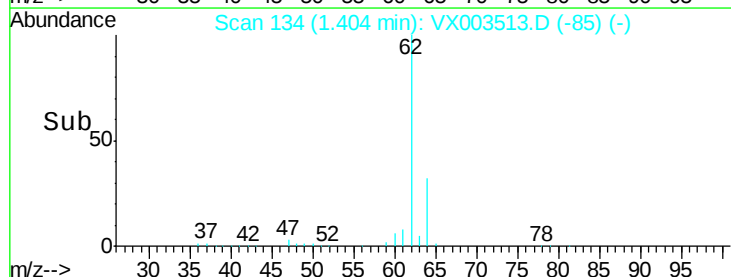
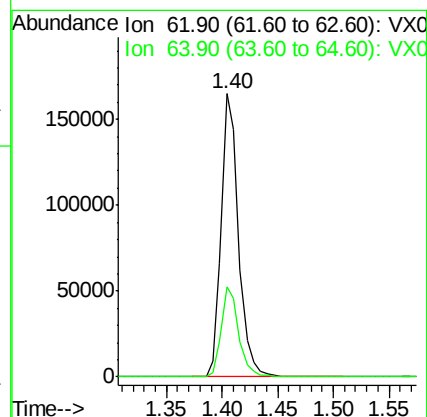
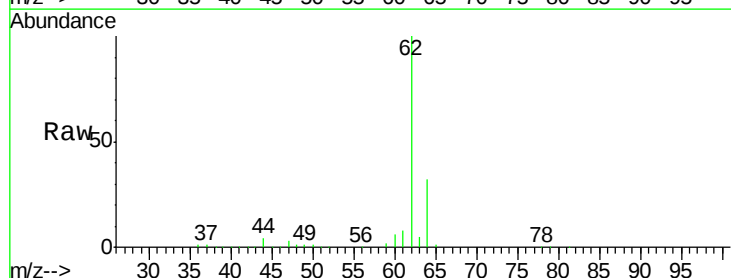
Acq: 20 Jul 2018 16:58

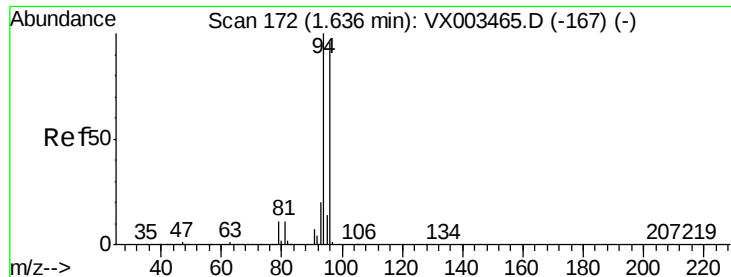
Tgt Ion: 62 Resp: 177425

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 54.45 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

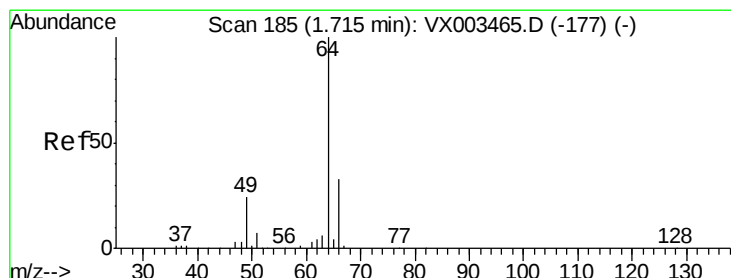
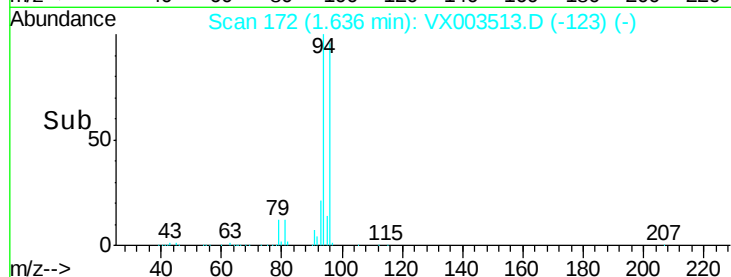
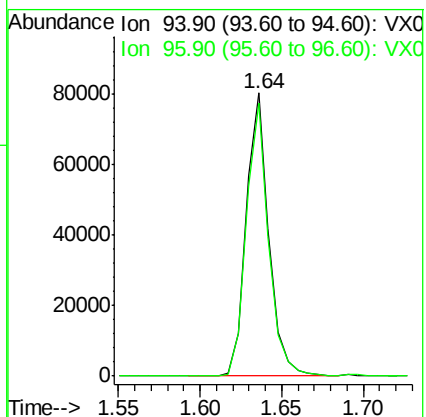
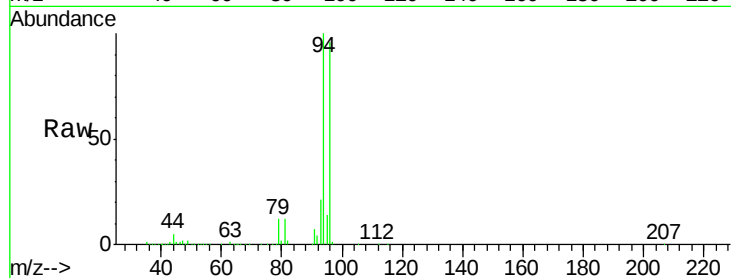
LF1-0034MS

Tot Ion: 94 Resp: 77391

Ion Ratio Lower Upper

94 100

96 96.5 74.9 112.3



#6

Chloroethane

Concen: 54.33 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003513.D

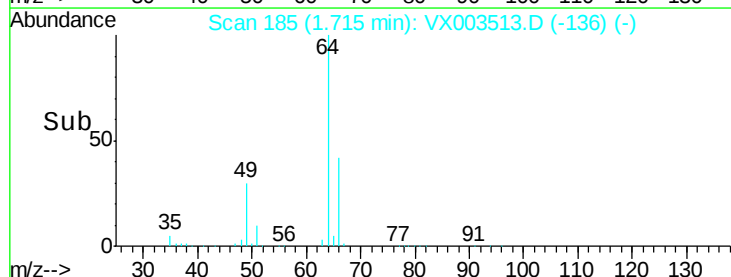
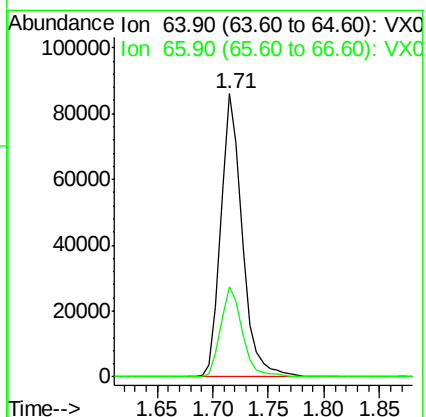
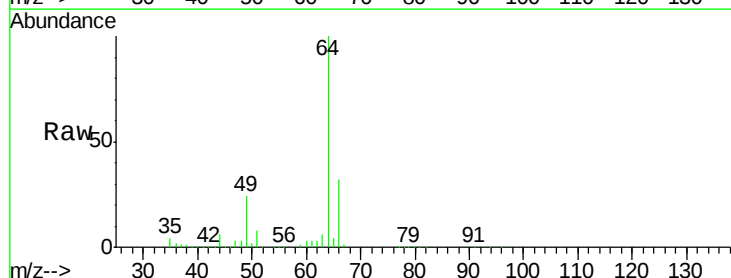
Acq: 20 Jul 2018 16:58

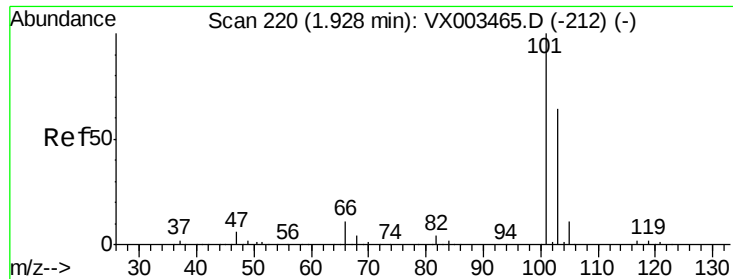
Tgt Ion: 64 Resp: 115334

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

Trichlorofluoromethane

Concen: 51.03 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

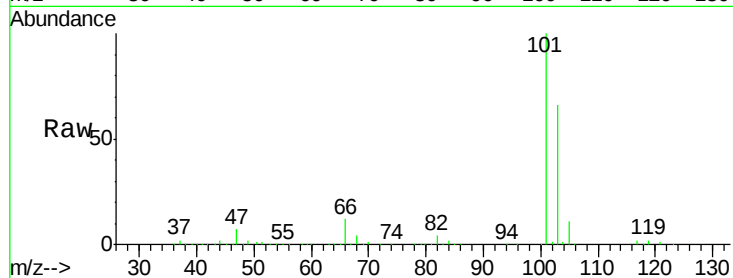
LF1-0034MS

Tot Ion:101 Resp: 244224

Ion Ratio Lower Upper

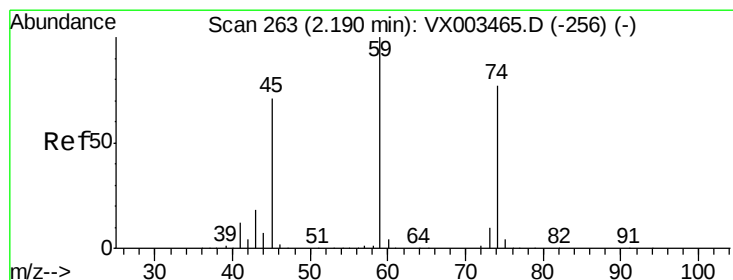
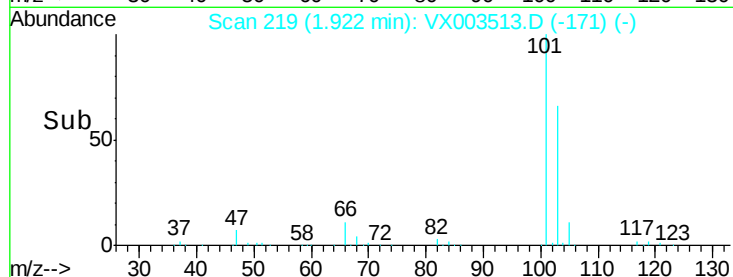
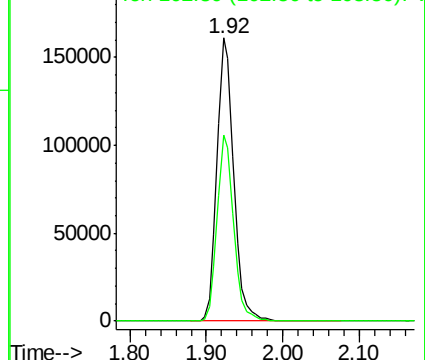
101 100

103 66.0 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 52.72 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003513.D

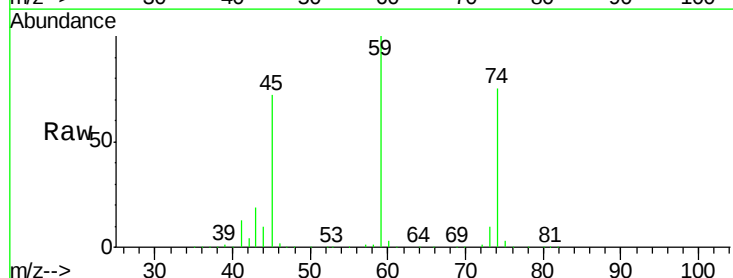
Acq: 20 Jul 2018 16:58

Tgt Ion: 74 Resp: 108372

Ion Ratio Lower Upper

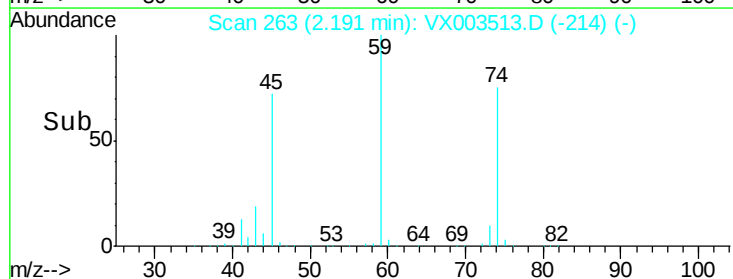
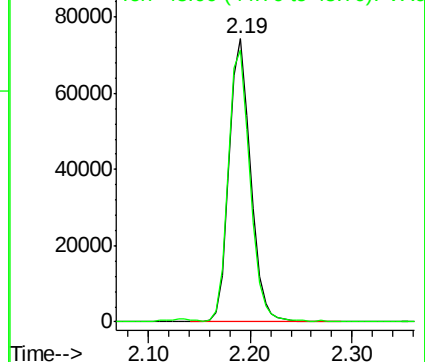
74 100

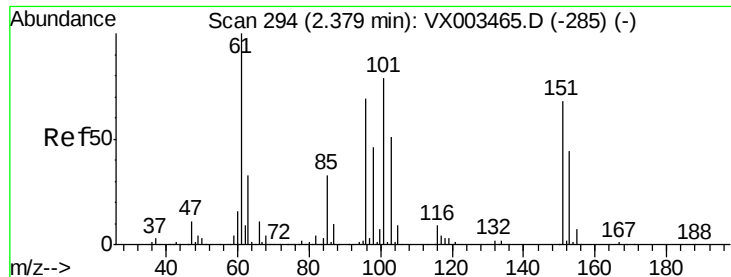
45 96.7 53.1 159.4



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: 48.53 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

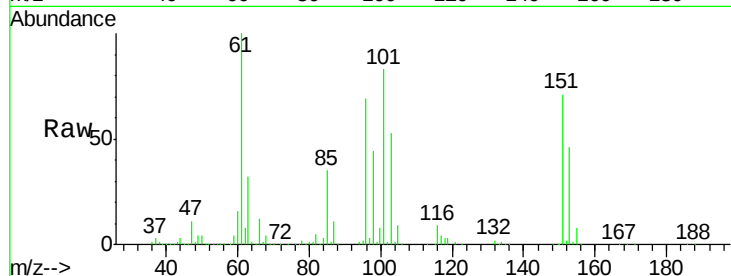
Tot Ion:101 Resp: 152021

Ion Ratio Lower Upper

101 100

85 41.9 36.0 54.0

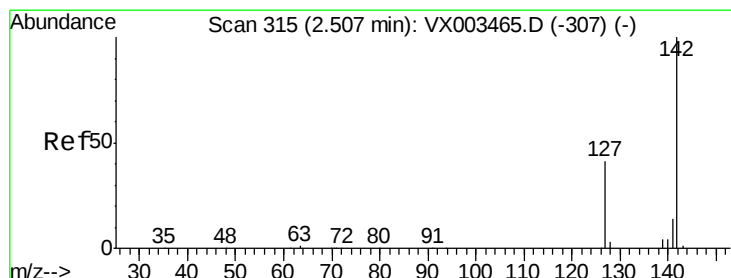
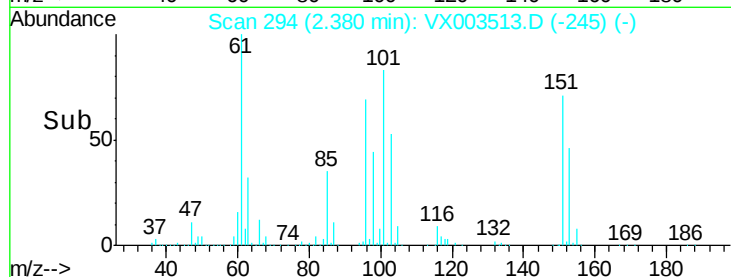
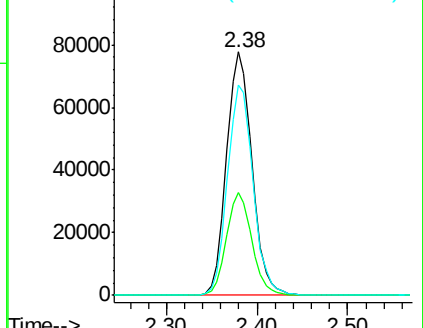
151 87.0 70.9 106.3



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: 53.57 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

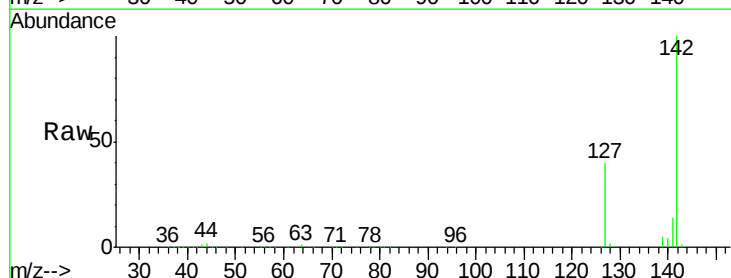
Tgt Ion:142 Resp: 201584

Ion Ratio Lower Upper

142 100

127 40.5 36.6 55.0

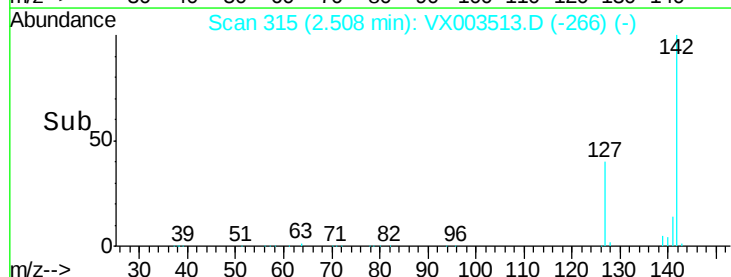
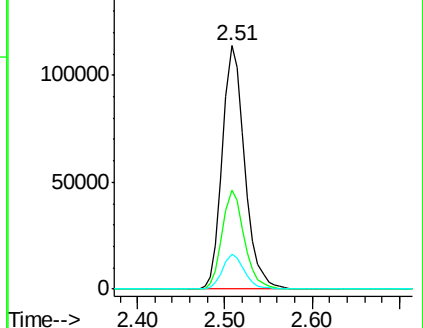
141 14.1 11.3 16.9

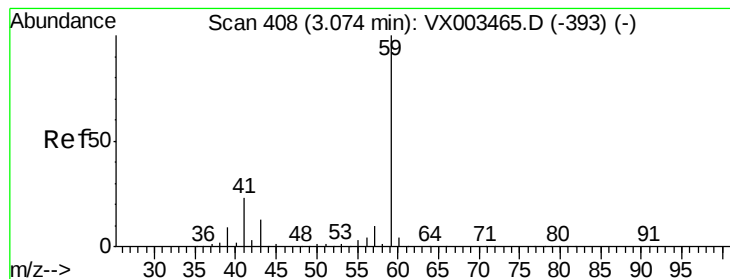


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



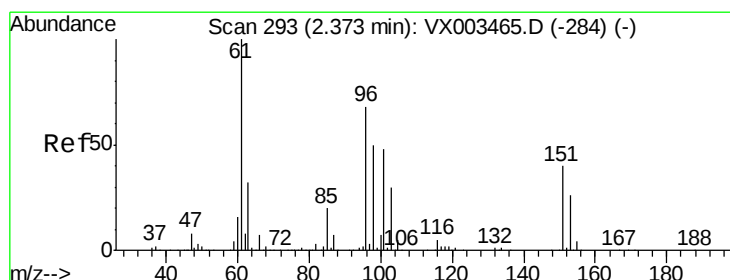
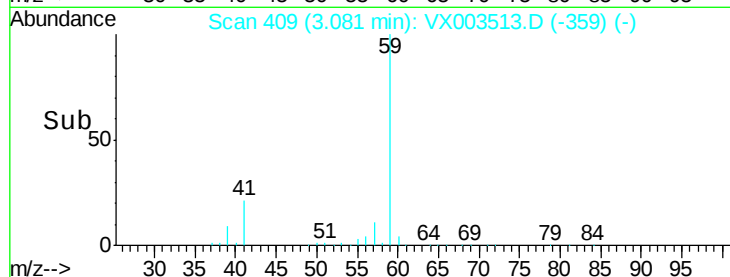
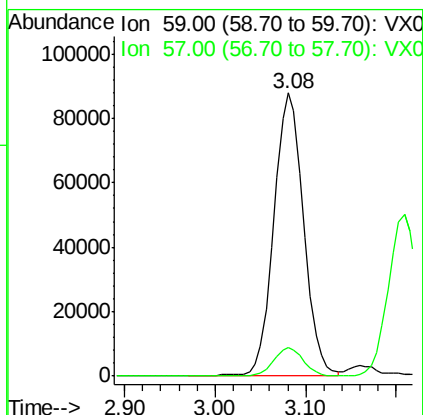
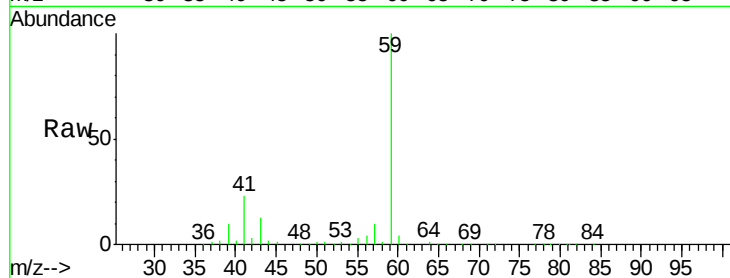


#11

Tert butyl alcohol
Concen: 301.89 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

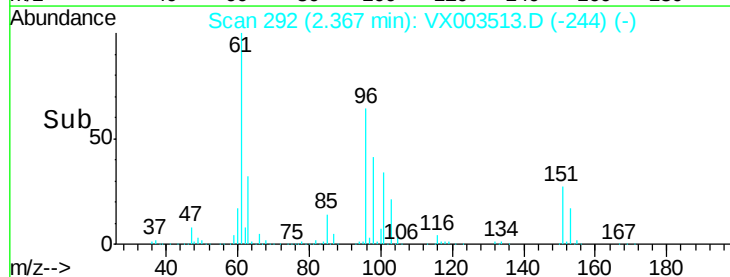
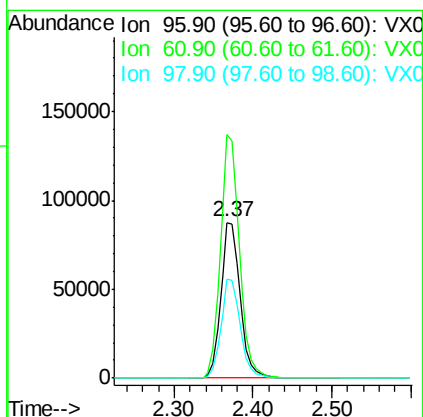
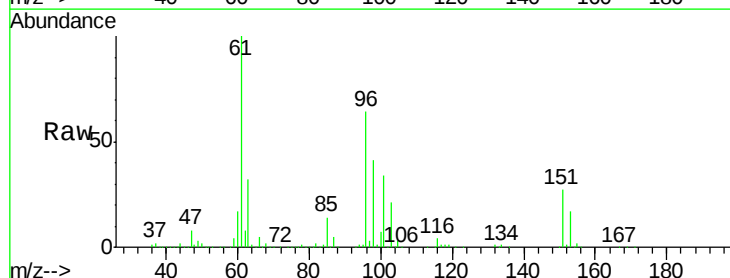
Tot Ion: 59 Resp: 199691
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

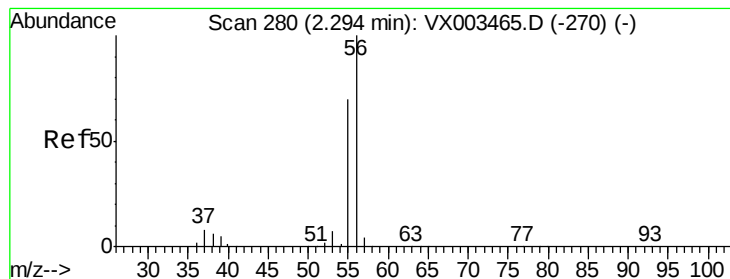


#12

1,1-Dichloroethene
Concen: 51.34 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 96 Resp: 148095
Ion Ratio Lower Upper
96 100
61 156.3 137.9 206.9
98 63.6 51.6 77.4





#13

Acrolein

Concen: 265.53 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

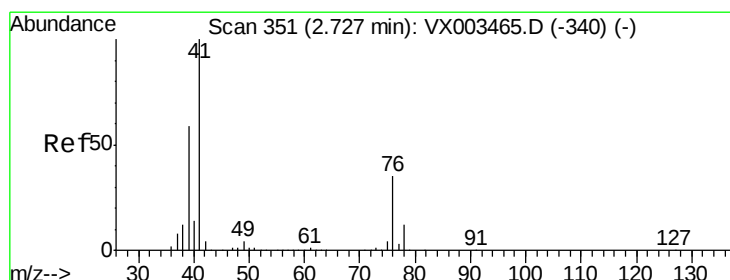
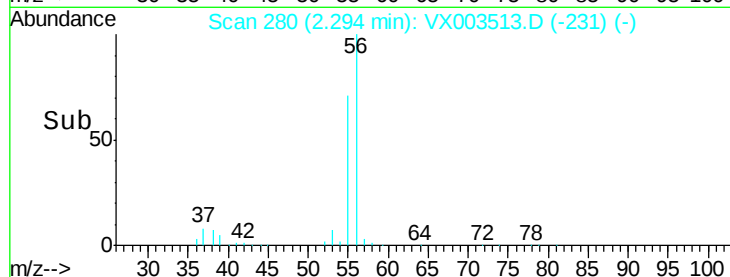
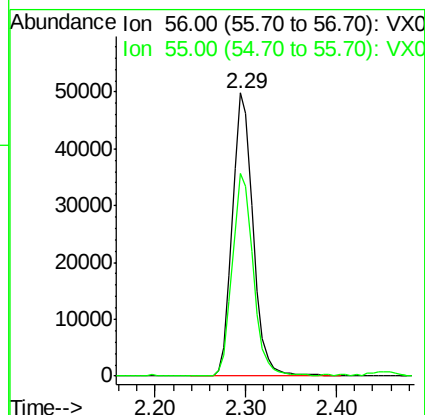
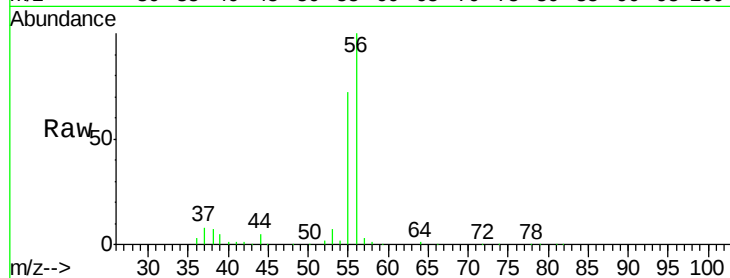
LF1-0034MS

Tot Ion: 56 Resp: 79359

Ion Ratio Lower Upper

56 100

55 71.5 57.0 85.4



#14

Allyl chloride

Concen: 55.27 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

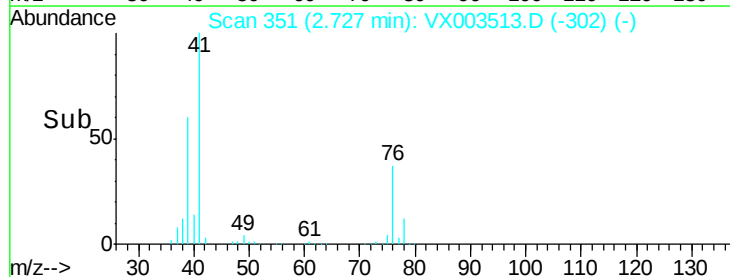
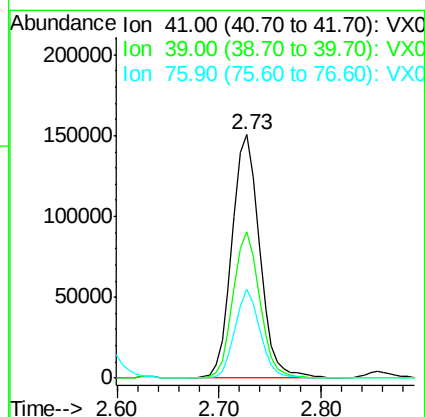
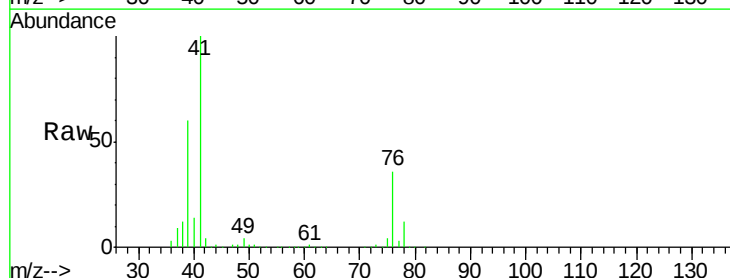
Tgt Ion: 41 Resp: 282201

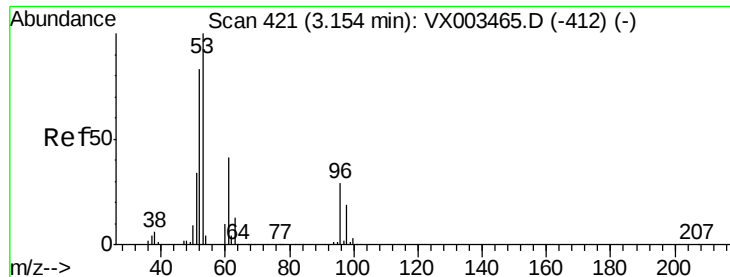
Ion Ratio Lower Upper

41 100

39 57.8 56.8 85.2

76 33.0 23.8 35.8





#15

Acrylonitrile

Concen: 282.13 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

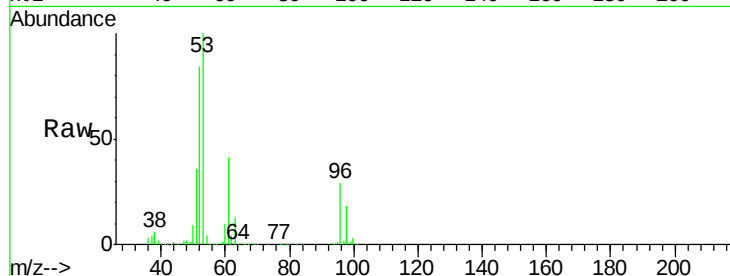
Tot Ion: 53 Resp: 475133

Ion Ratio Lower Upper

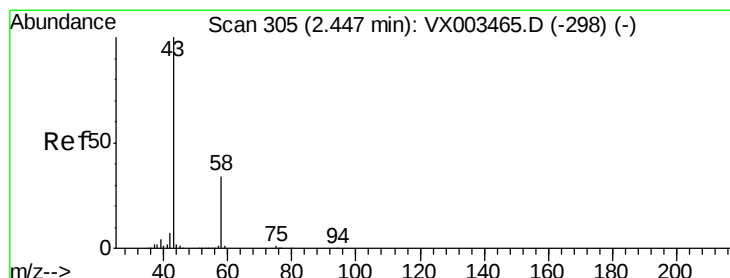
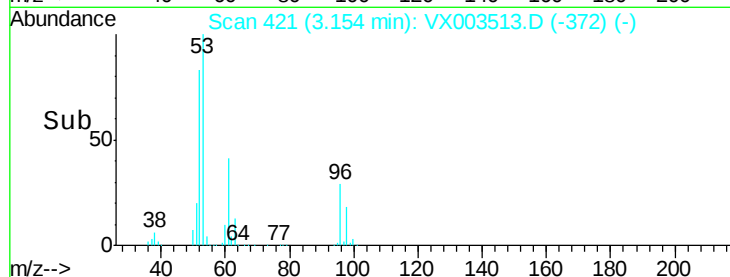
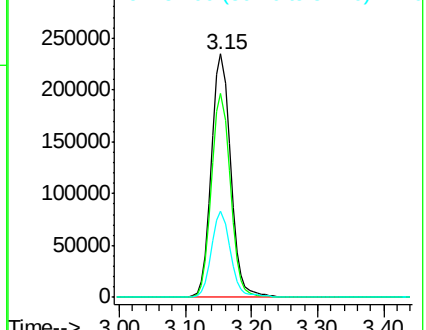
53 100

52 82.6 66.7 100.1

51 35.1 29.9 44.9



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: 298.74 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003513.D

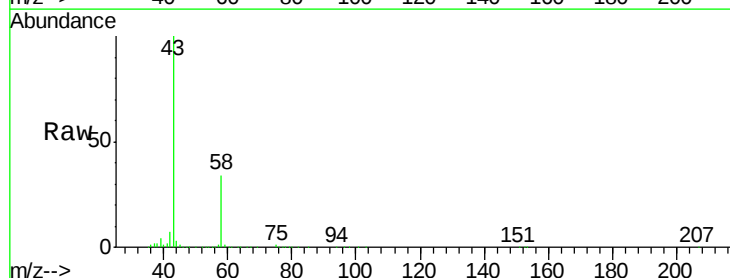
Acq: 20 Jul 2018 16:58

Tgt Ion: 43 Resp: 377212

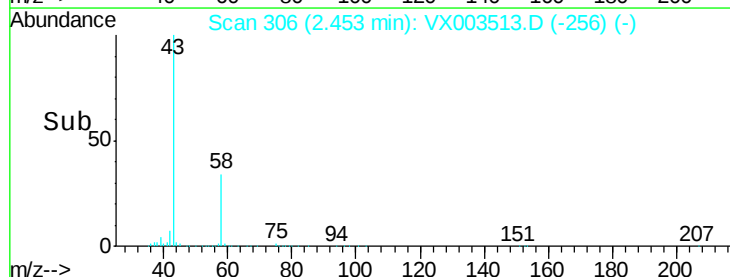
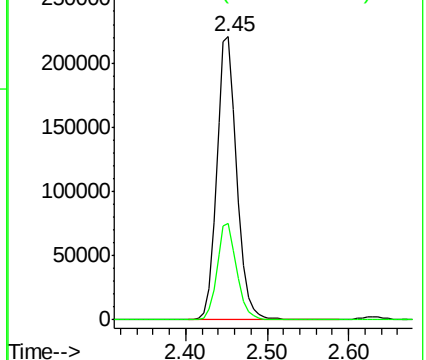
Ion Ratio Lower Upper

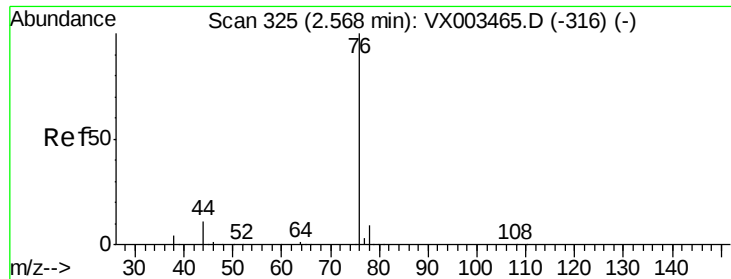
43 100

58 34.0 22.1 33.1#



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

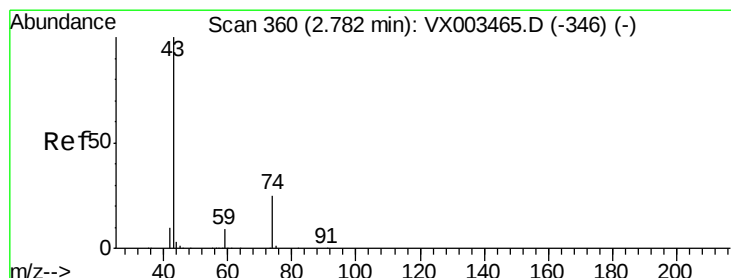
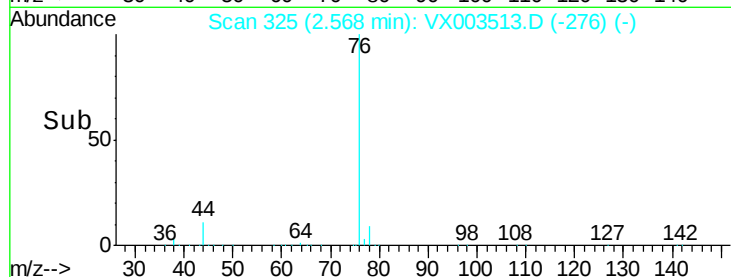
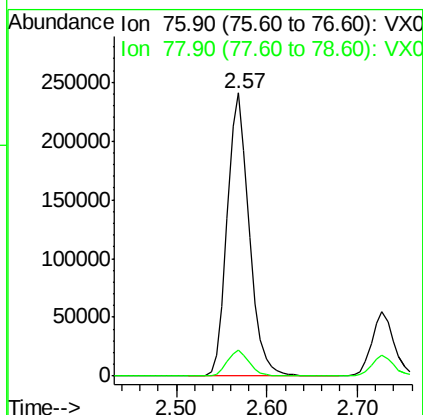
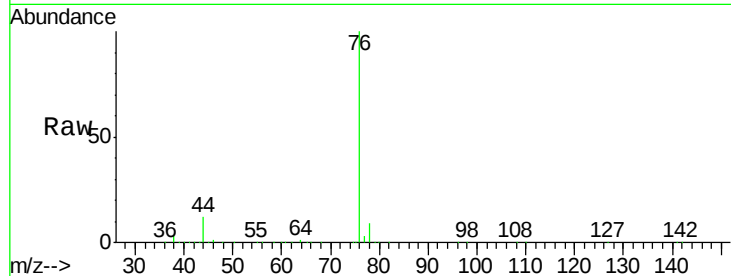




#17
Carbon Disulfide
Concen: 52.04 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

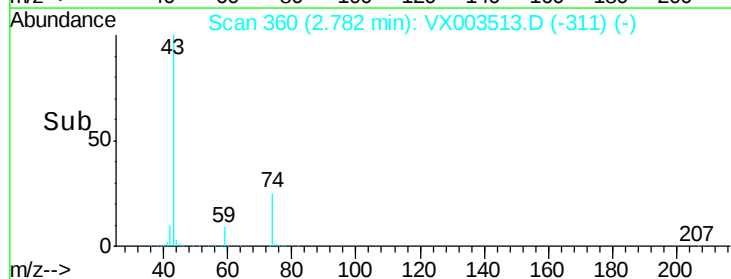
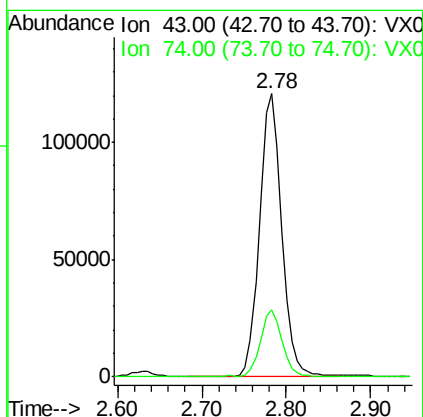
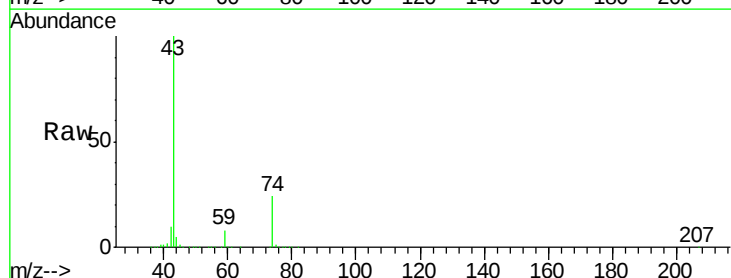
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

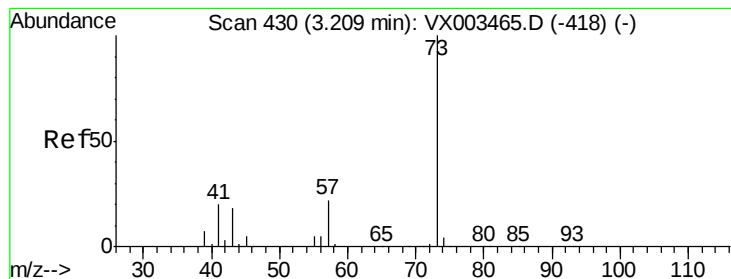
Tot Ion: 76 Resp: 405906
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 54.75 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 43 Resp: 217946
Ion Ratio Lower Upper
43 100
74 23.9 16.7 25.1



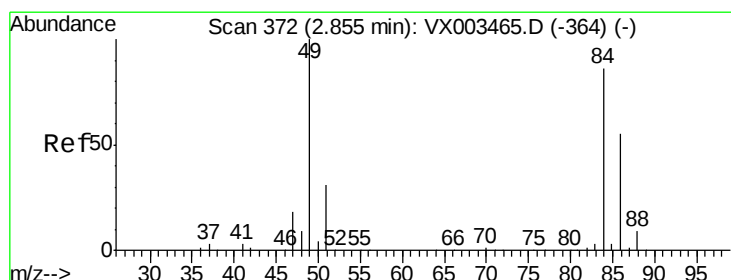
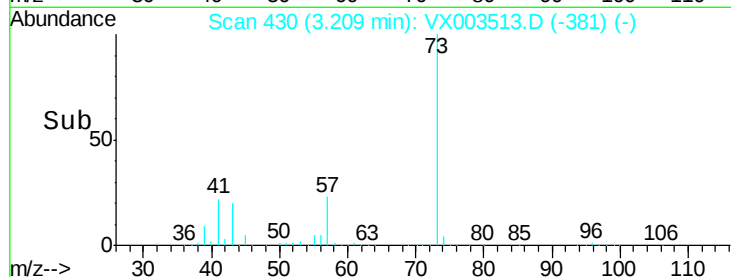
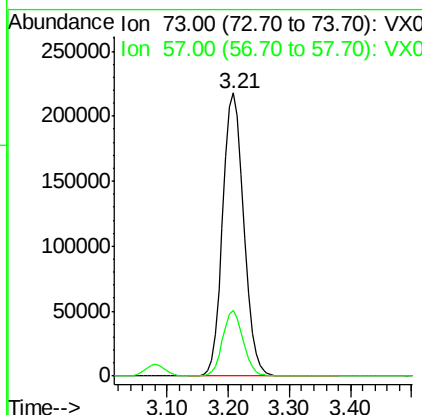
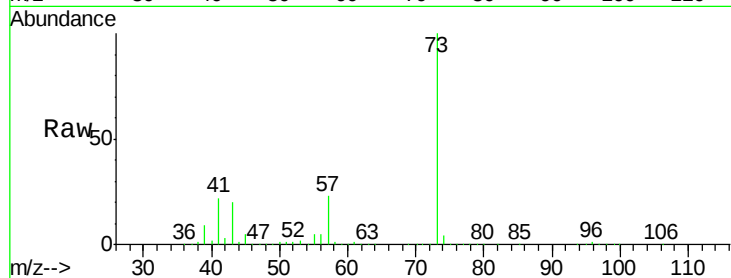


#19

Methyl tert-butyl Ether
 Concen: 55.10 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleID :
 LF1-0034MS

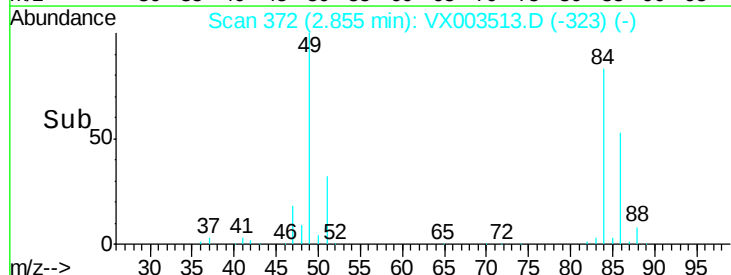
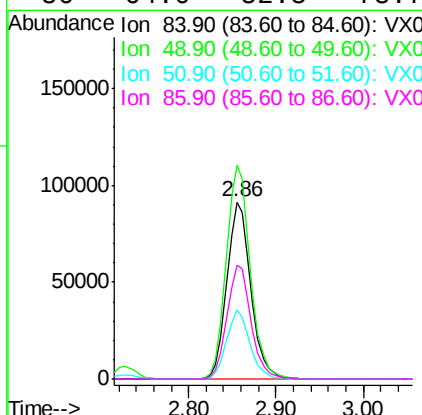
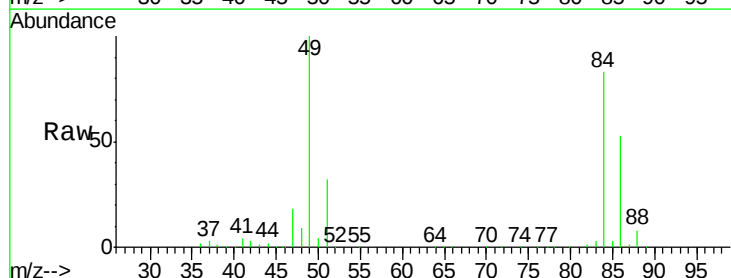
Tot Ion: 73 Resp: 519001
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.7 26.5



#20

Methylene Chloride
 Concen: 56.29 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 84 Resp: 173461
 Ion Ratio Lower Upper
 84 100
 49 120.4 107.8 161.6
 51 38.8 32.8 49.2
 86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.65 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

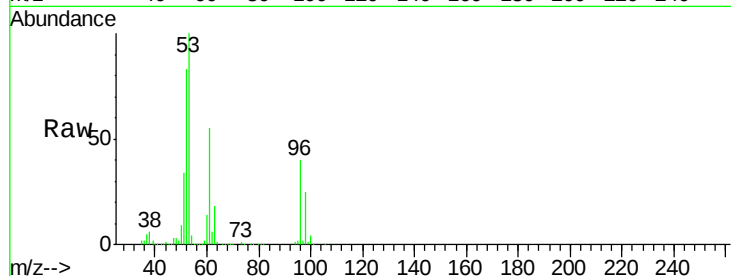
Tot Ion: 96 Resp: 162542

Ion Ratio Lower Upper

96 100

61 138.7 117.0 175.4

98 63.8 52.4 78.6

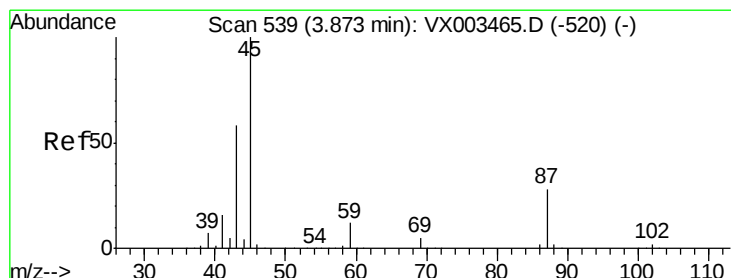
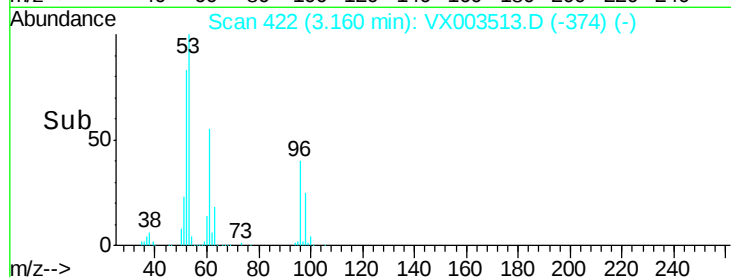
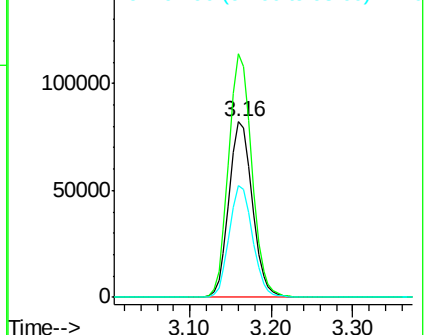


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.31 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion: 45 Resp: 521788

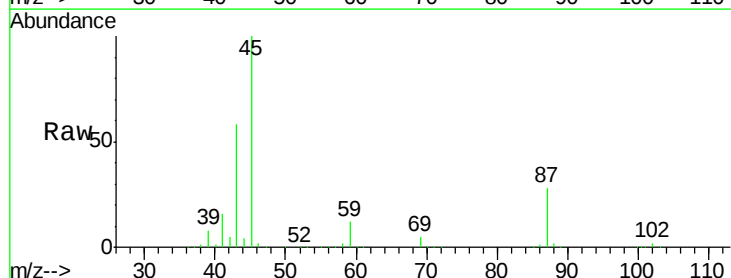
Ion Ratio Lower Upper

45 100

43 58.0 46.8 70.2

87 28.3 20.2 30.4

59 11.7 8.7 13.1



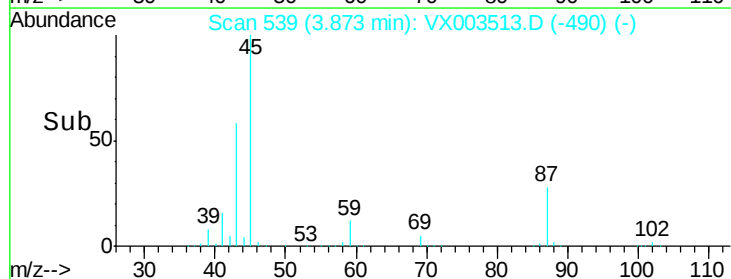
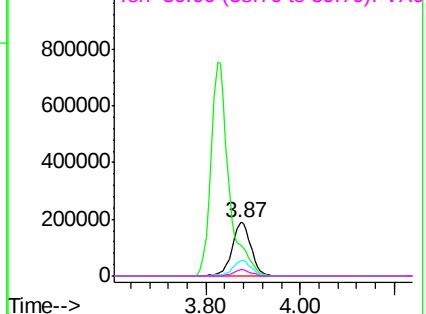
Abundance

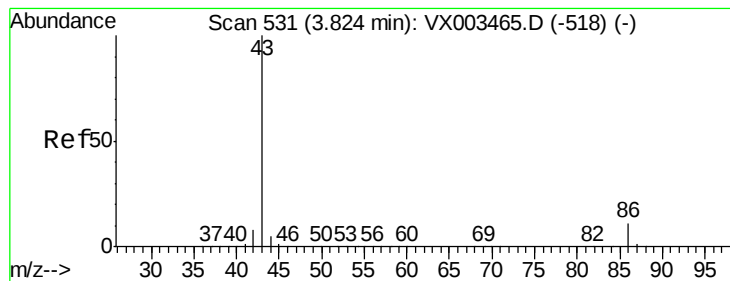
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 249.72 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

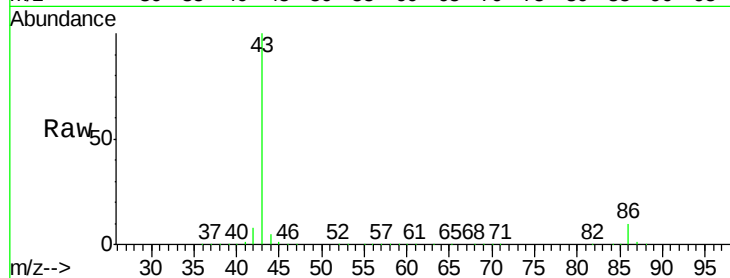
LF1-0034MS

Tot Ion: 43 Resp: 1976299

Ion Ratio Lower Upper

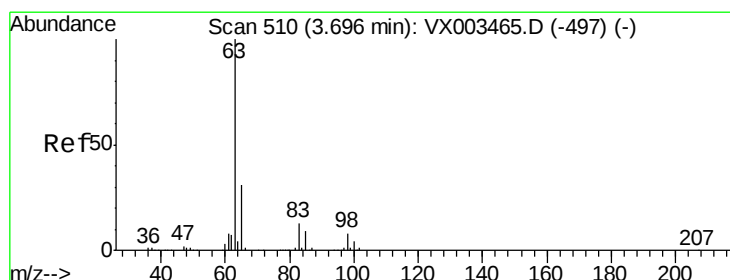
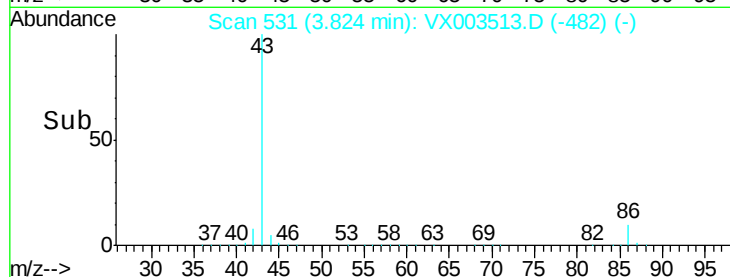
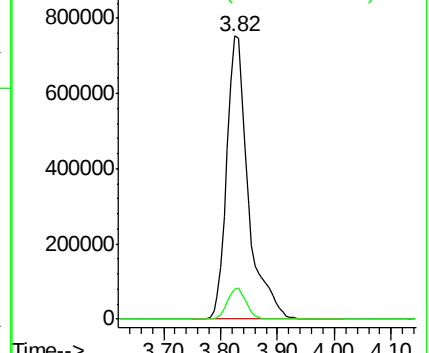
43 100

86 10.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 54.68 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

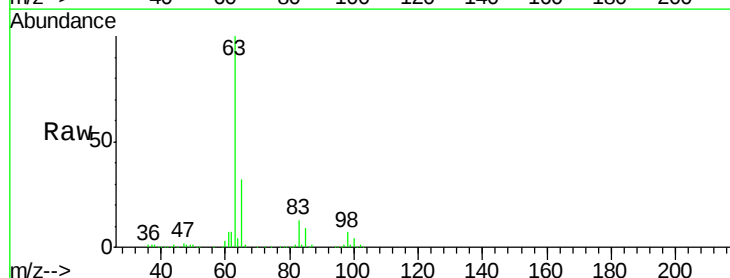
Tgt Ion: 63 Resp: 308245

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

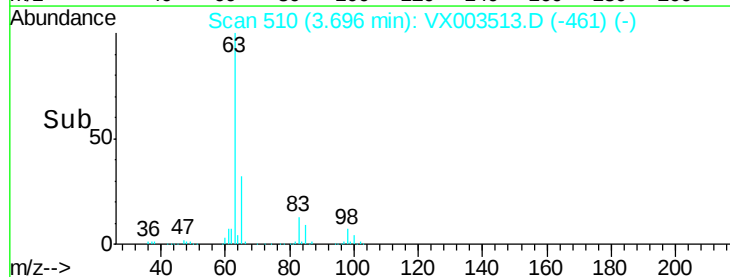
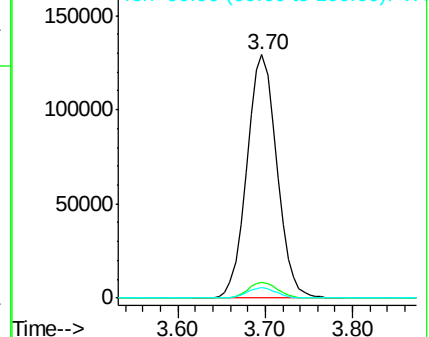
100 4.2 2.0 6.0

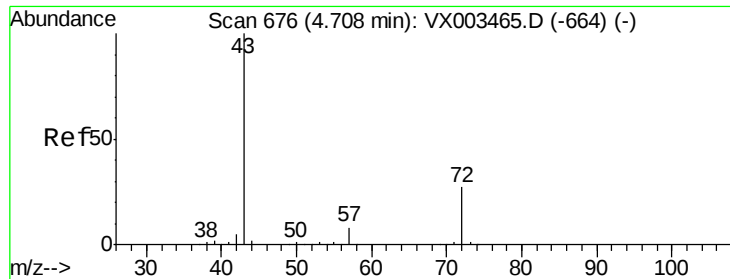


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 286.26 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

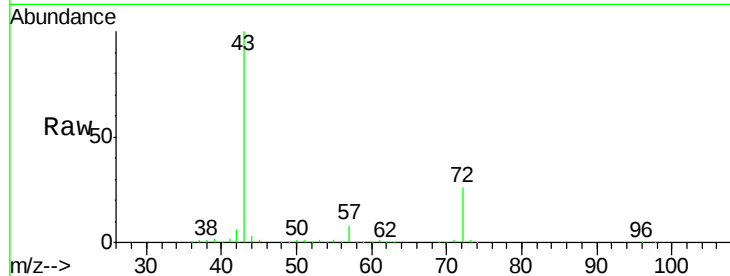
LF1-0034MS

Tot Ion: 43 Resp: 606442

Ion Ratio Lower Upper

43 100

72 26.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

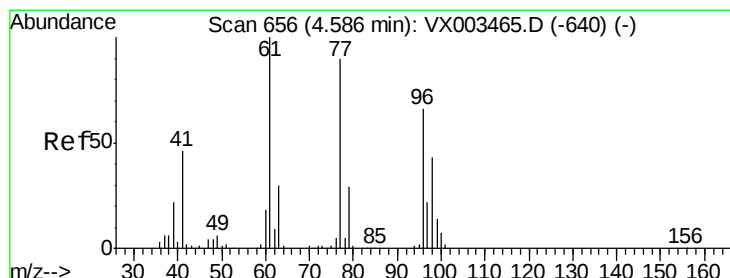
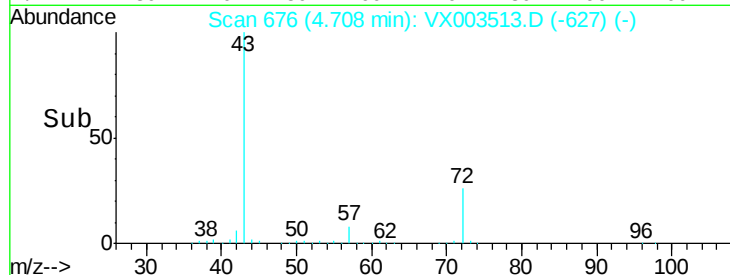
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.37 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003513.D

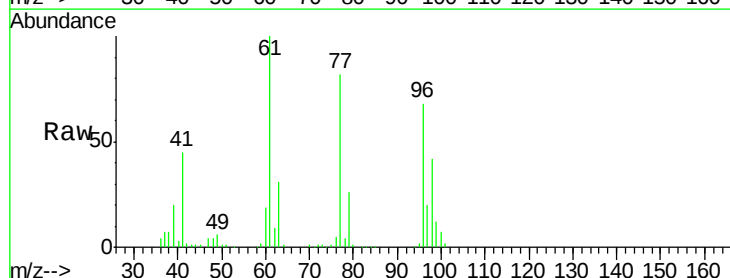
Acq: 20 Jul 2018 16:58

Tgt Ion: 77 Resp: 194267

Ion Ratio Lower Upper

77 100

97 24.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

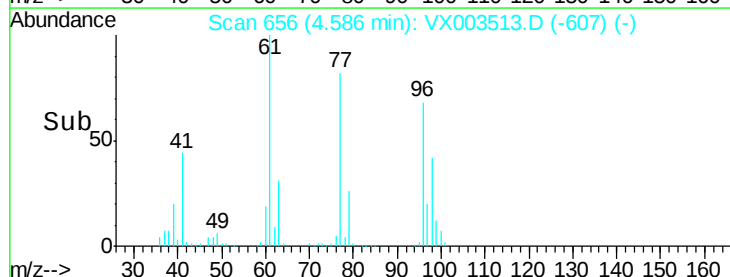
40000

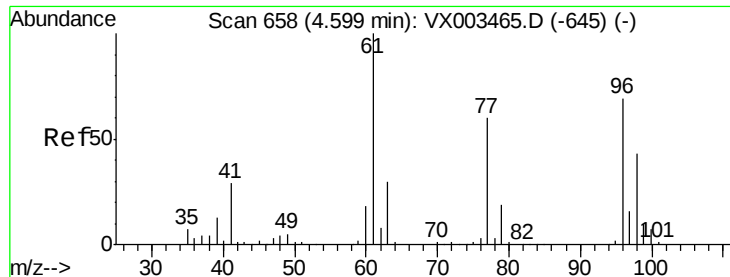
20000

0

4.40 4.50 4.60 4.70

Time-->



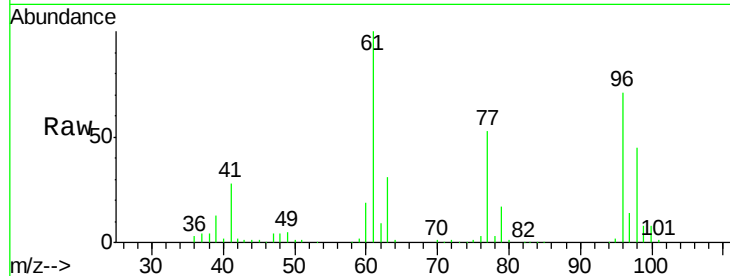


#27

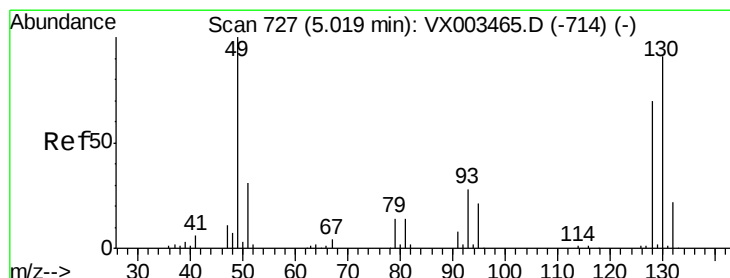
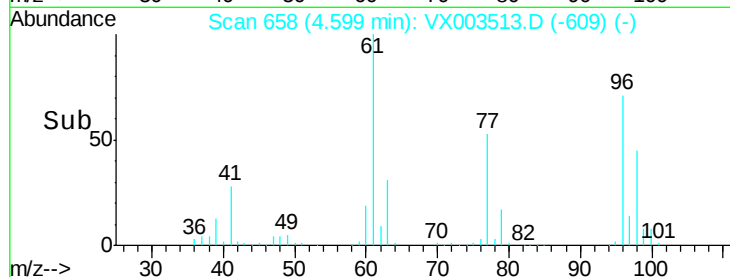
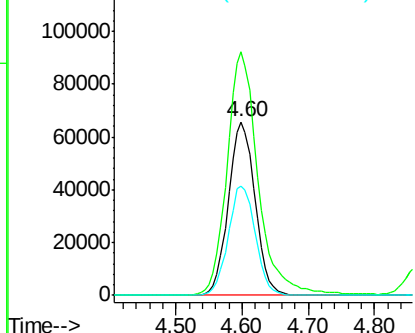
cis-1,2-Dichloroethene
Concen: 51.36 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

Tot Ion: 96 Resp: 183530
Ion Ratio Lower Upper
96 100
61 164.0 0.0 330.2
98 64.1 0.0 130.2



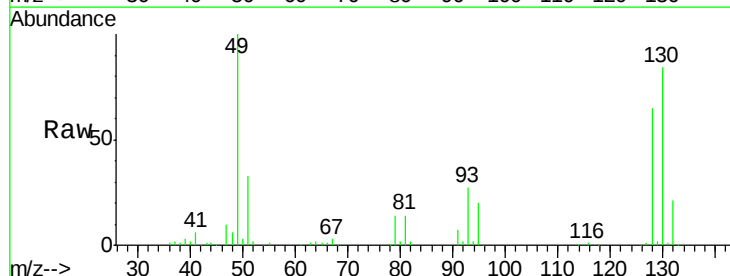
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



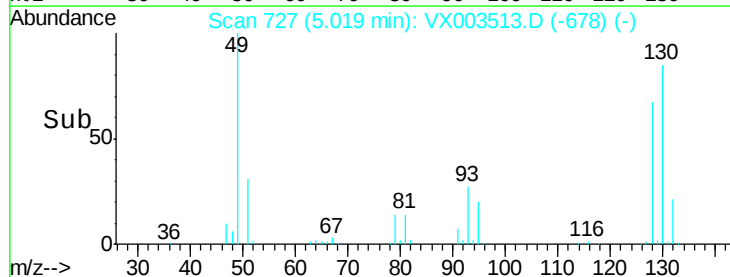
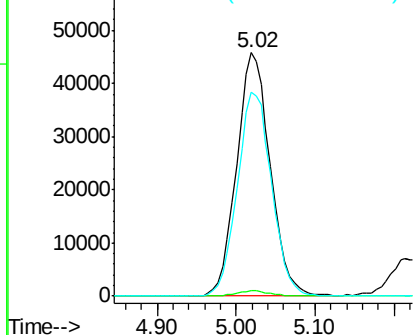
#28

Bromochloromethane
Concen: 54.96 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 49 Resp: 135428
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 85.5 61.2 91.8



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: 282.06 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

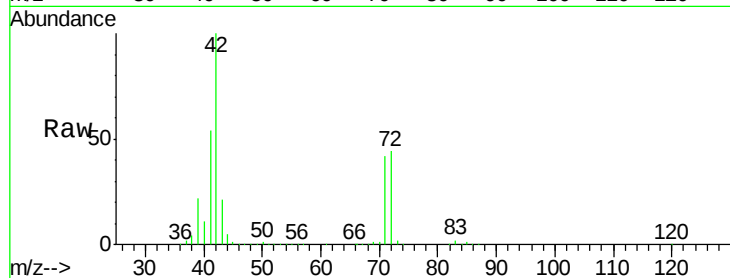
Tot Ion: 42 Resp: 394744

Ion Ratio Lower Upper

42 100

72 45.2 32.0 48.0

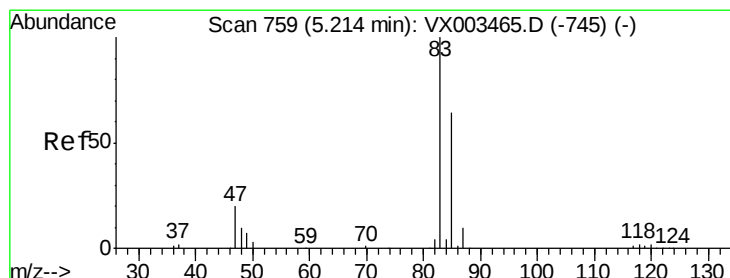
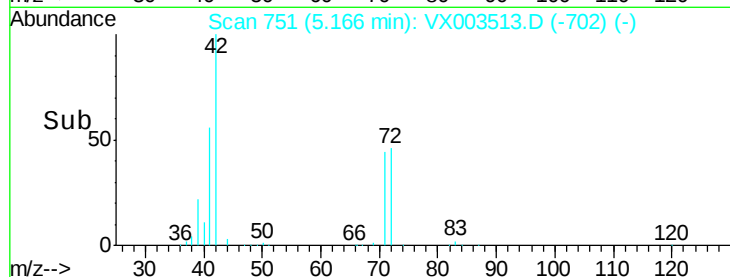
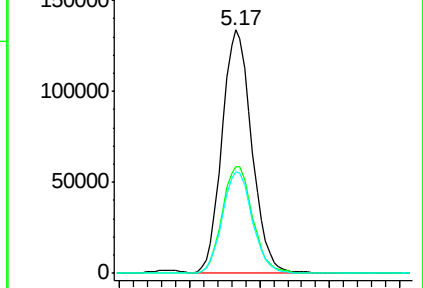
71 42.2 30.1 45.1



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: 53.91 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003513.D

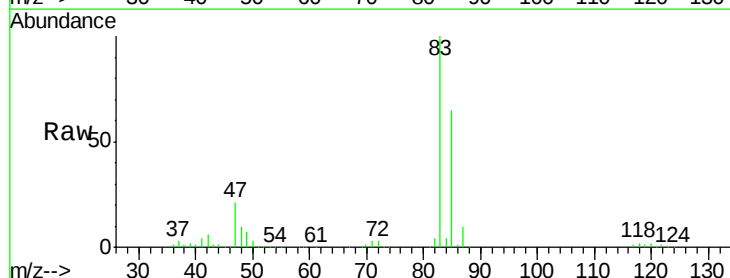
Acq: 20 Jul 2018 16:58

Tgt Ion: 83 Resp: 296748

Ion Ratio Lower Upper

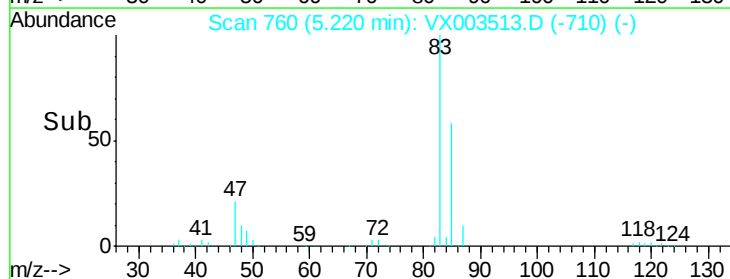
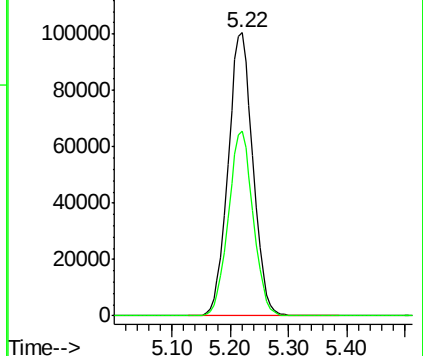
83 100

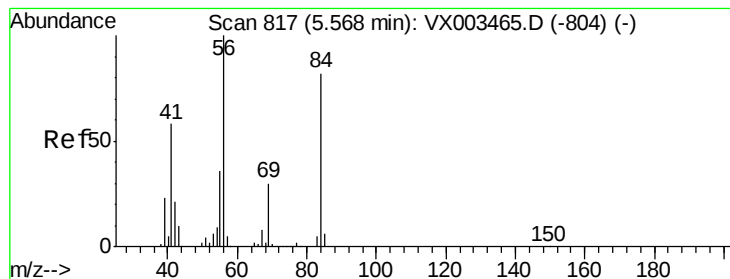
85 65.3 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 51.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

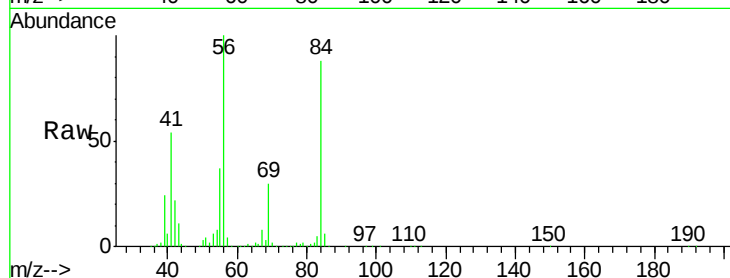
Tot Ion: 56 Resp: 260837

Ion Ratio Lower Upper

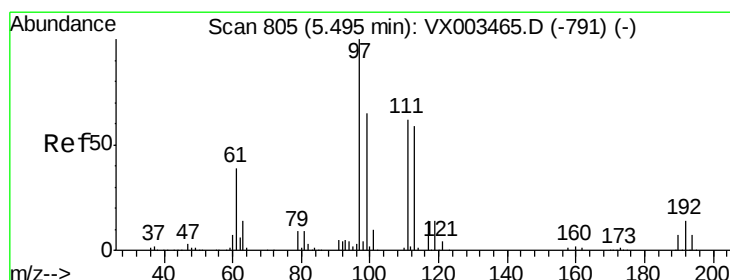
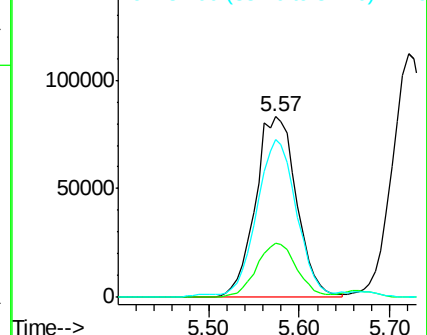
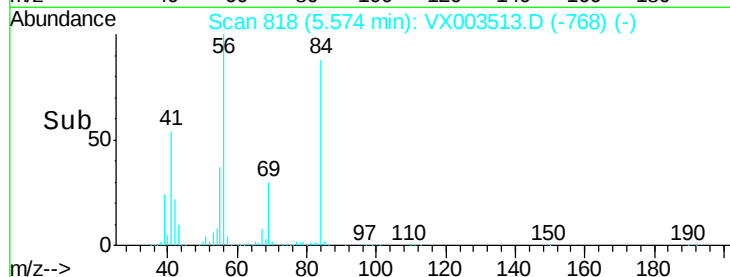
56 100

69 30.0 23.7 35.5

84 86.5 64.1 96.1



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: 53.50 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

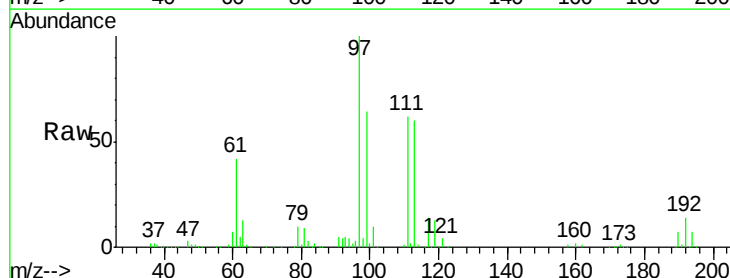
Tgt Ion: 97 Resp: 252191

Ion Ratio Lower Upper

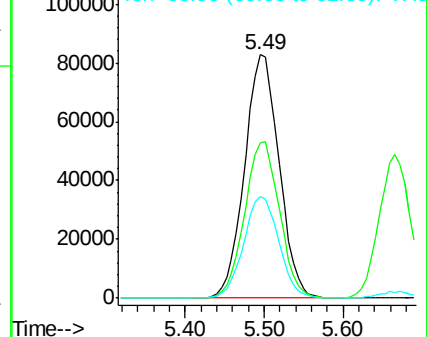
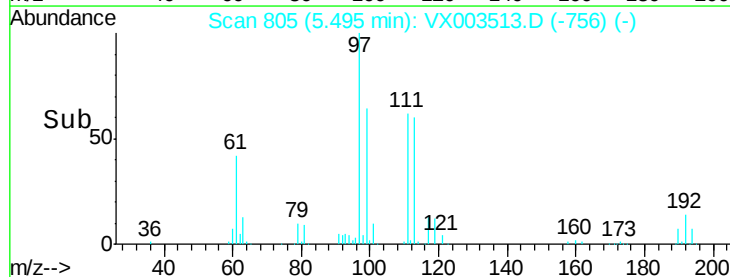
97 100

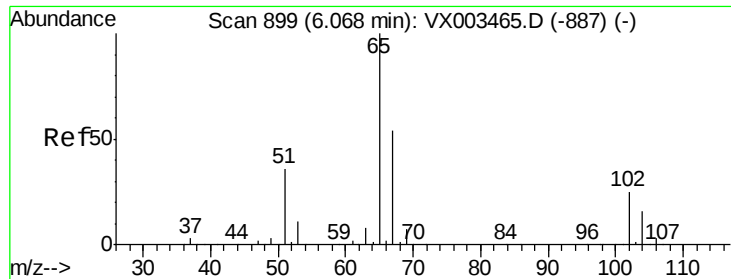
99 64.8 51.6 77.4

61 42.5 36.4 54.6



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

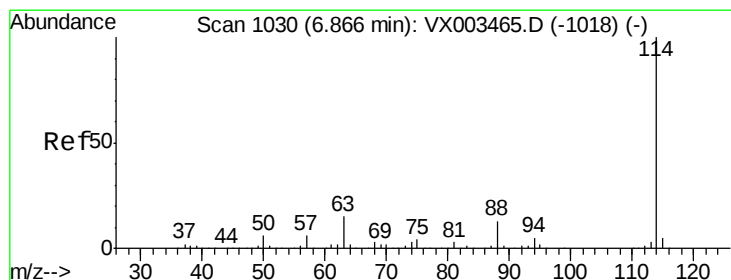
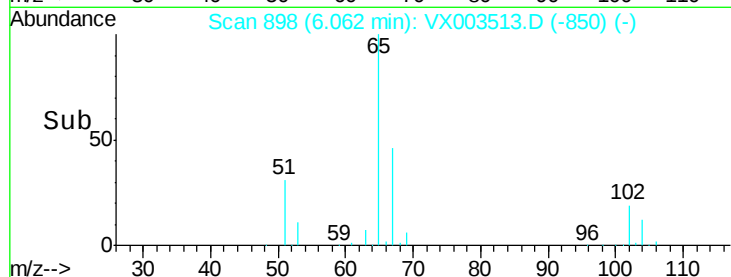
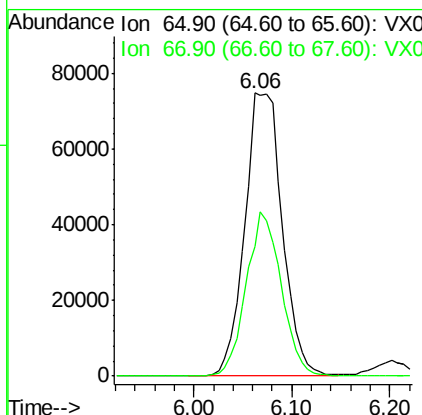
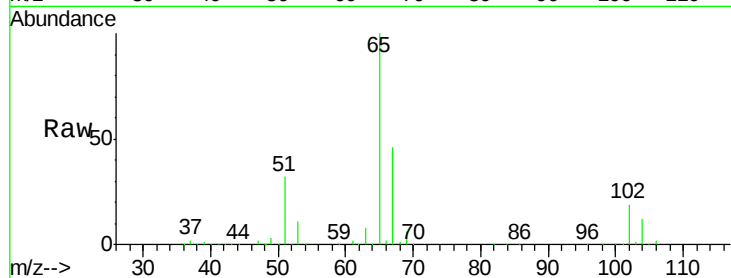




#33
 1,2-Dichloroethane-d4
 Concen: 59.75 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

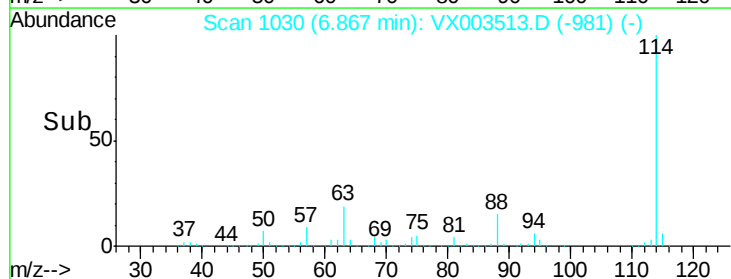
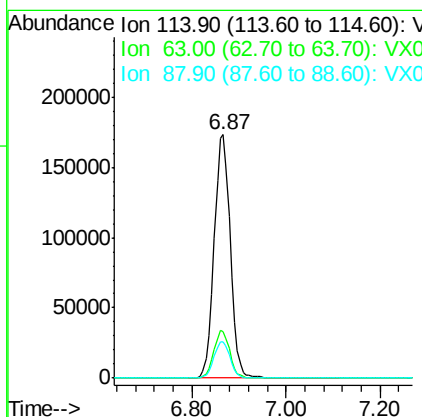
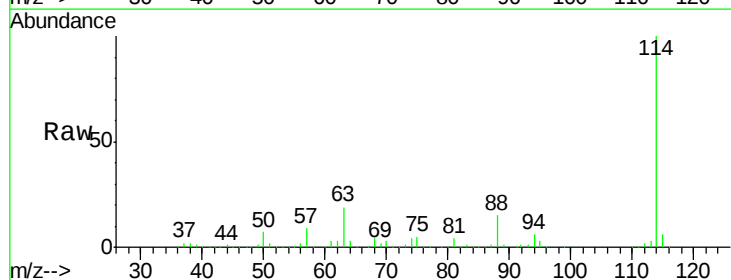
Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

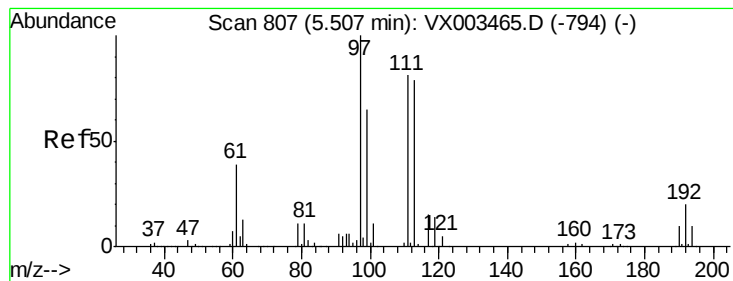
Tot Ion: 65 Resp: 199737
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 114 Resp: 409901
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.01 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

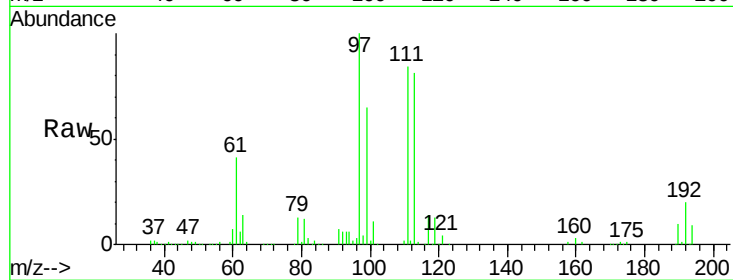
Tot Ion:113 Resp: 168626

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

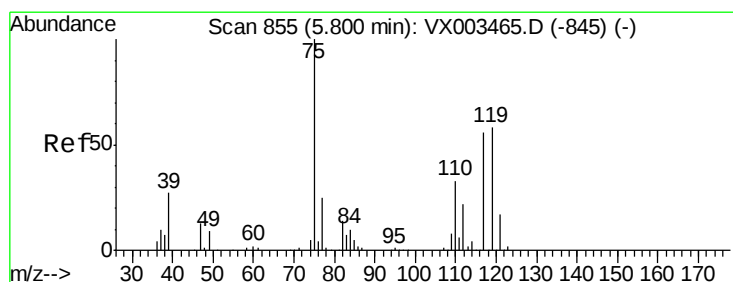
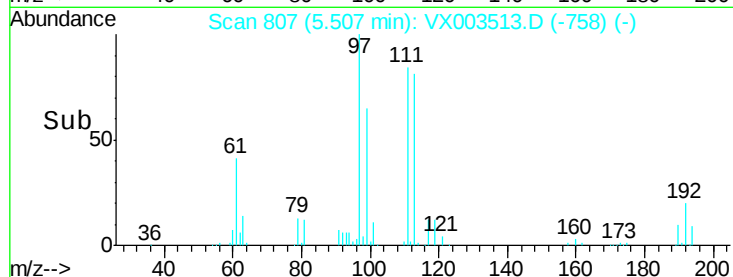
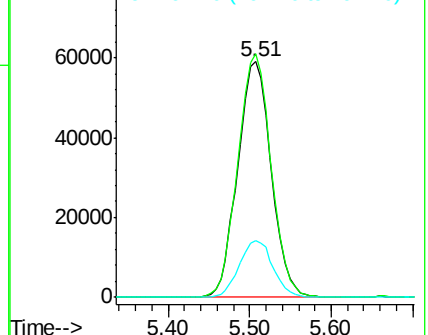
192 24.1 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.99 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

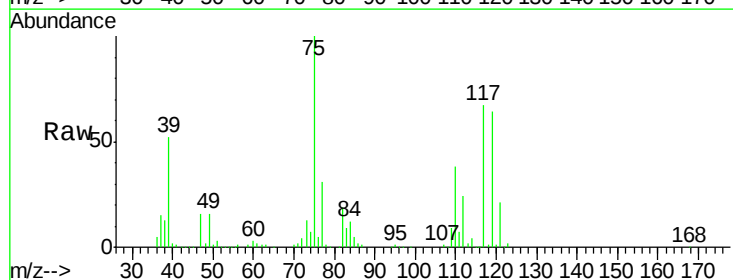
Tgt Ion: 75 Resp: 216800

Ion Ratio Lower Upper

75 100

110 38.1 18.1 54.4

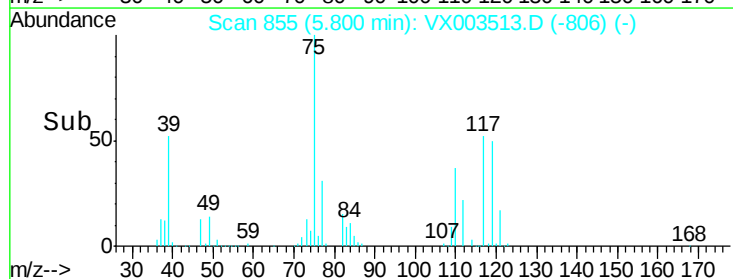
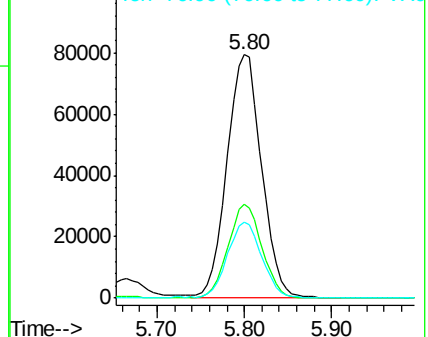
77 31.1 24.3 36.5

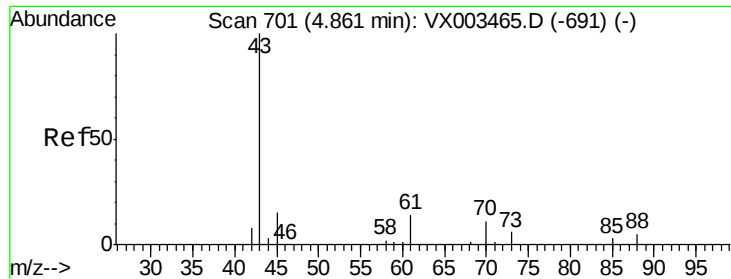


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

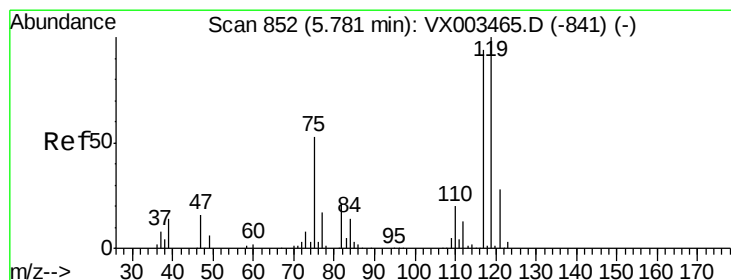
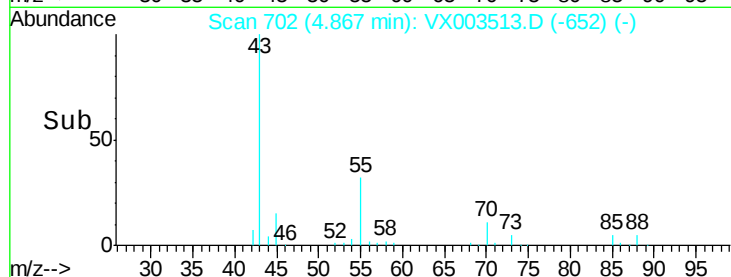
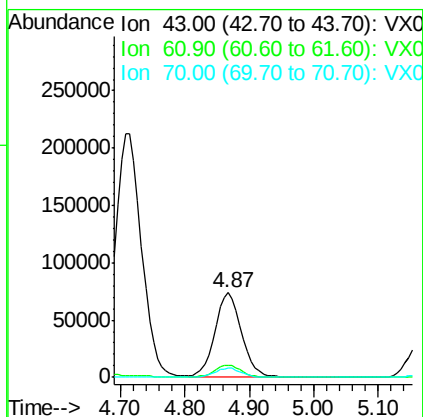
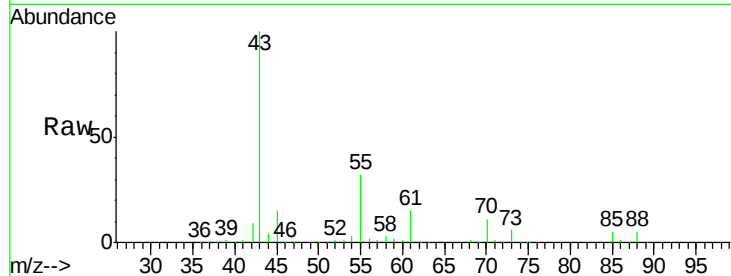




#37
Ethyl Acetate
Concen: 51.09 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

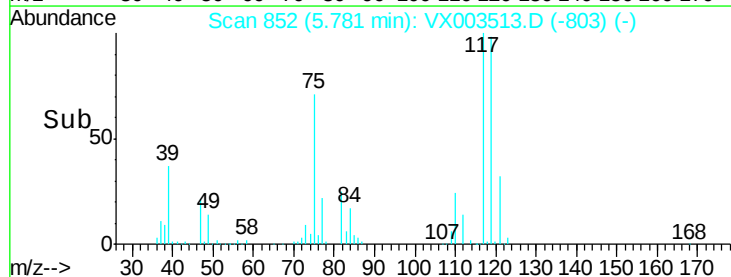
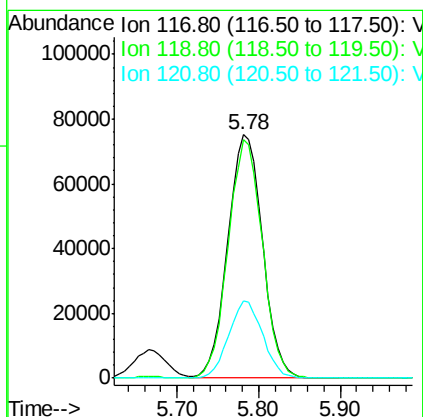
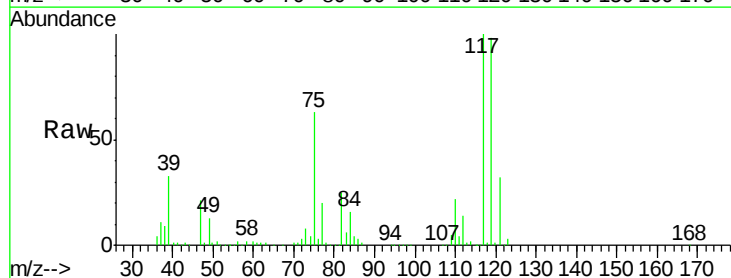
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

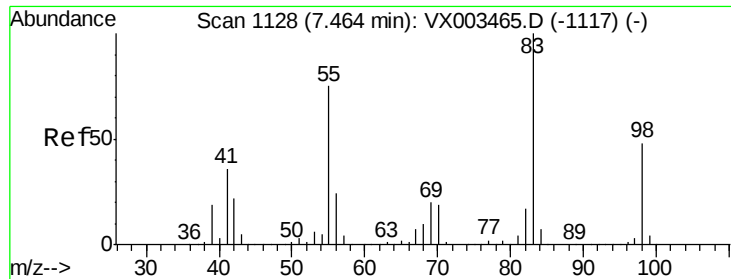
Tot Ion: 43 Resp: 213956
Ion Ratio Lower Upper
43 100
61 14.5 10.4 15.6
70 10.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.97 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 117 Resp: 221249
Ion Ratio Lower Upper
117 100
119 98.1 77.4 116.0
121 31.5 24.4 36.6

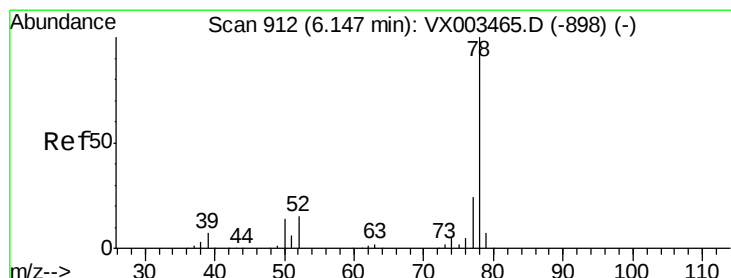
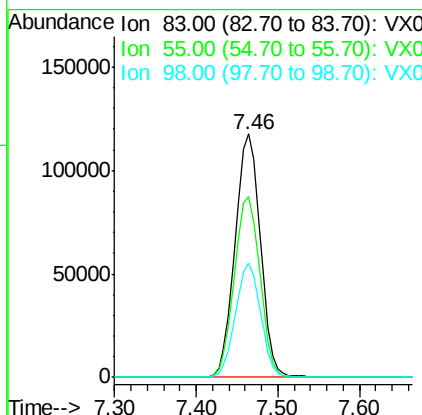
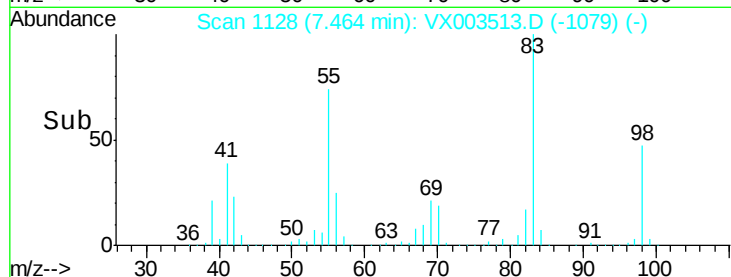
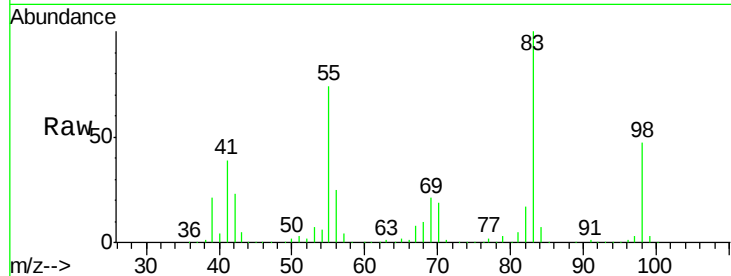




#39
Methvlcvclohexane
Concen: 48.00 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

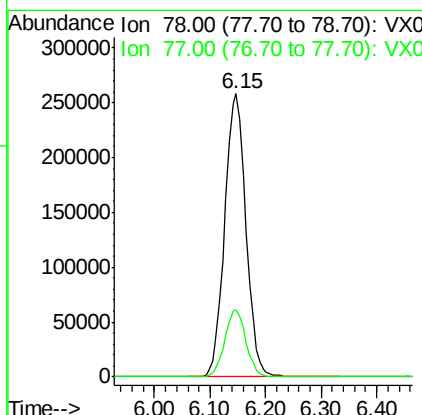
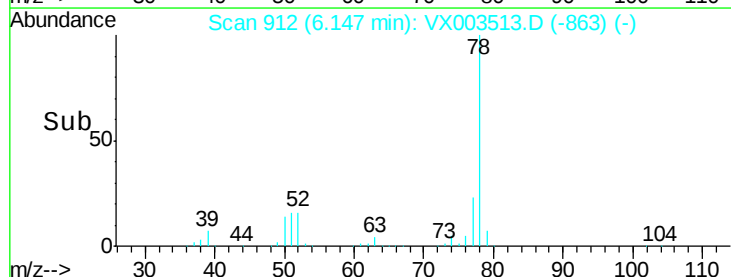
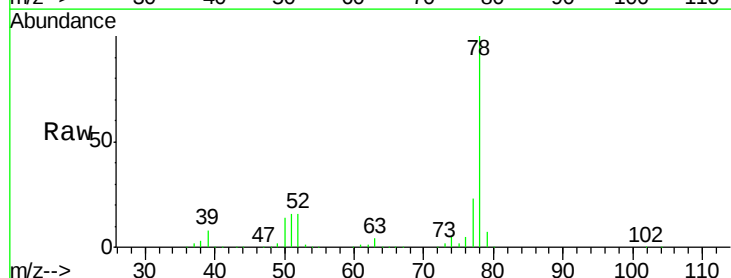
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

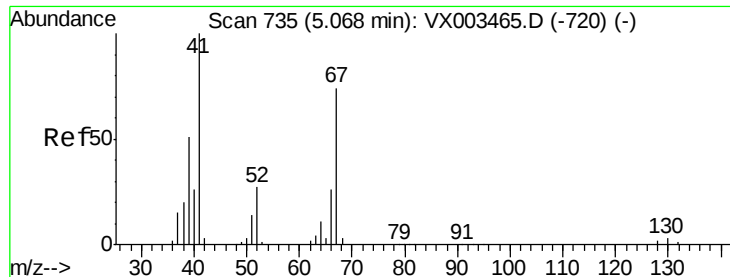
Tot Ion	83.00	Resp	251579
Ion	Ratio	Lower	Upper
83	100		
55	74.0	65.4	98.0
98	47.2	37.4	56.0



#40
Benzene
Concen: 50.94 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	78	Resp	680678
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

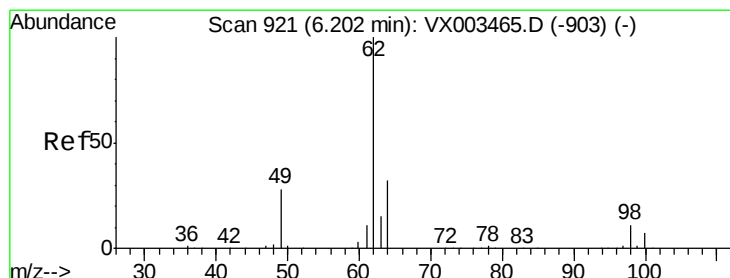
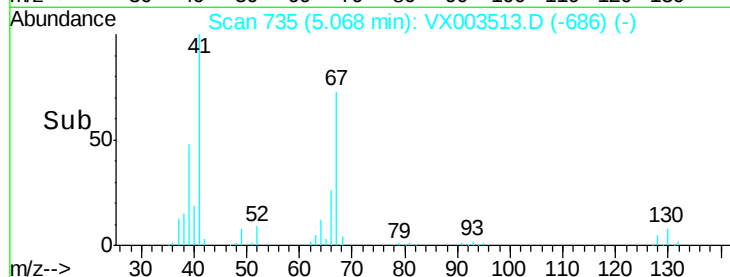
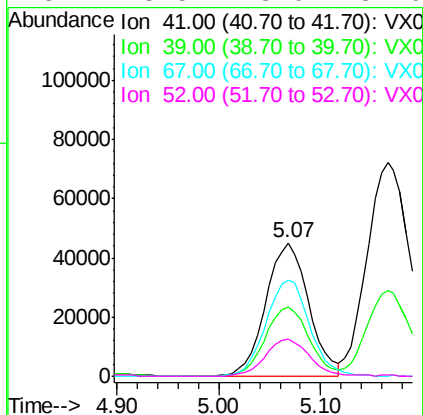
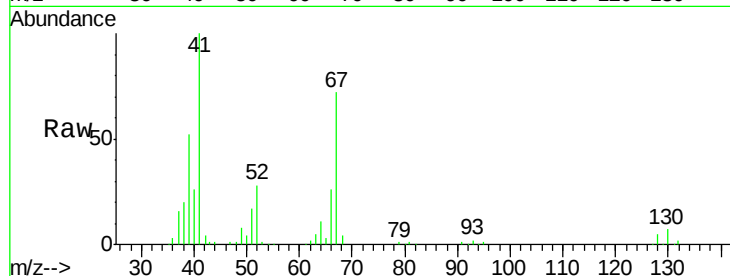




#41
Methacrylonitrile
Concen: 53.36 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

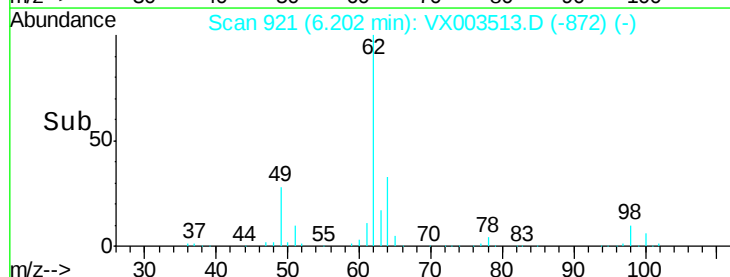
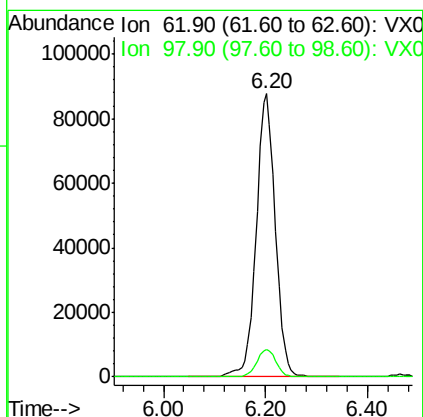
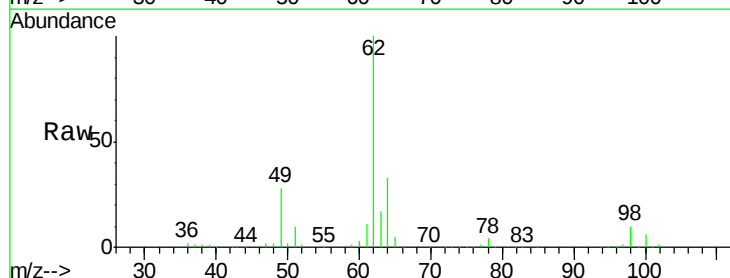
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

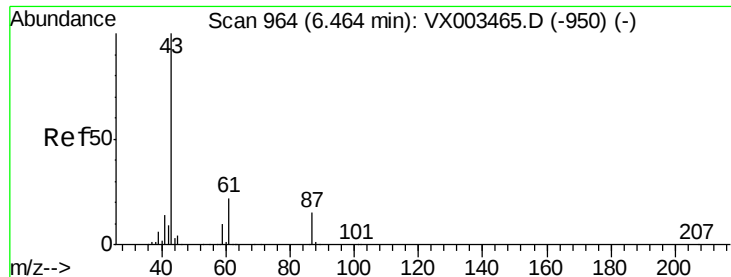
Tot Ion: 41 Resp: 131342
Ion Ratio Lower Upper
41 100
39 52.8 45.8 68.6
67 73.4 51.3 76.9
52 28.5 23.0 34.6



#42
1,2-Dichloroethane
Concen: 54.02 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 62 Resp: 227416
Ion Ratio Lower Upper
62 100
98 9.8 0.0 16.6



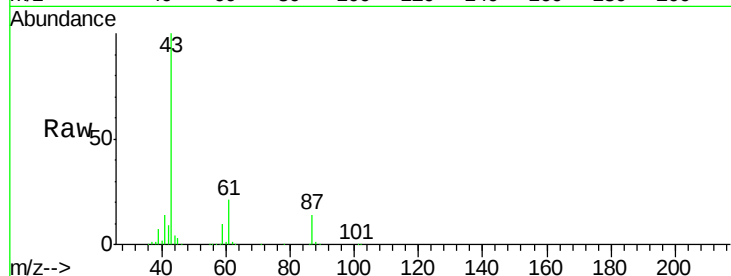


#43

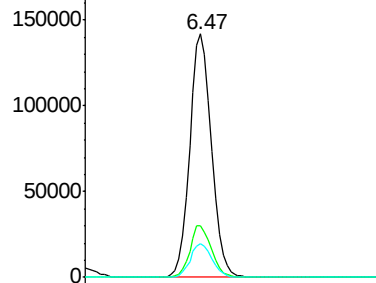
Isopropyl Acetate
 Concen: 52.53 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

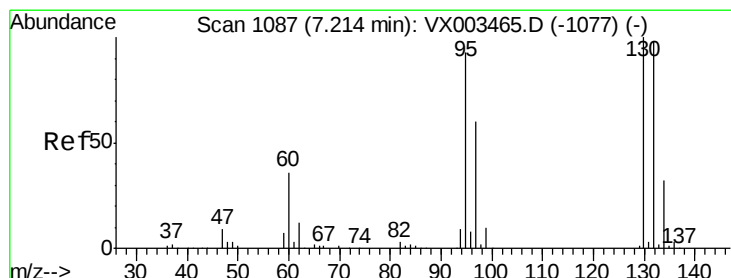
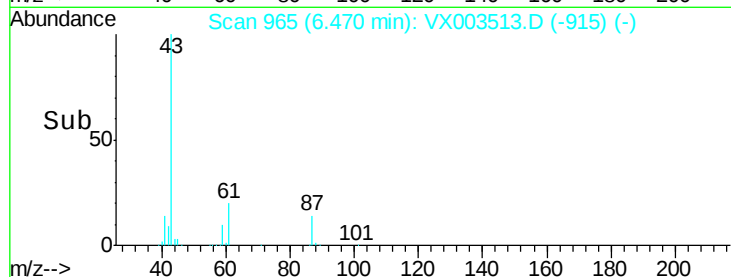
Tot Ion	43	Resp	349930
Ion Ratio	Lower	Upper	
43	100		
61	20.9	14.4	21.6
87	13.9	9.5	14.3



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



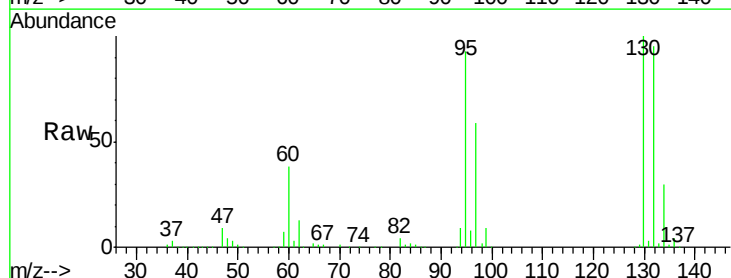
Time--> 6.30 6.40 6.50 6.60 6.70



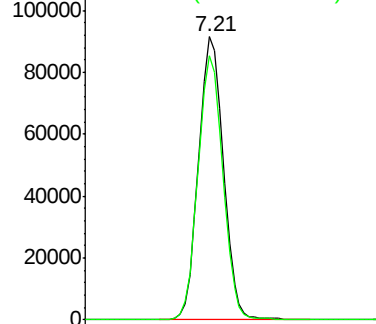
#44

Trichloroethene
 Concen: 48.23 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

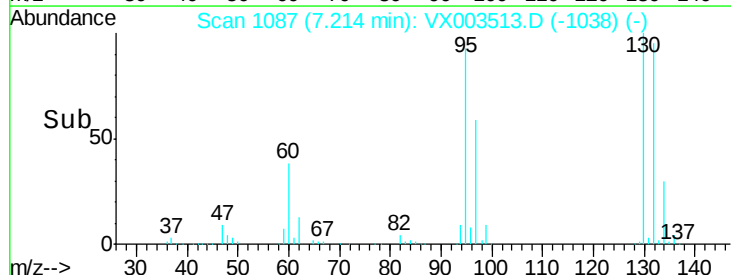
Tgt Ion	130	Resp	192185
Ion Ratio	Lower	Upper	
130	100		
95	93.4	0.0	185.4

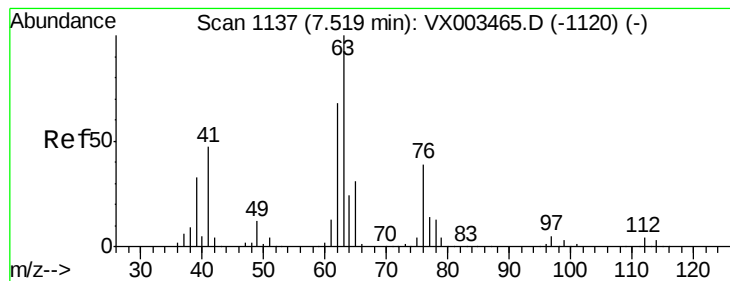


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0



Time--> 7.10 7.20 7.30 7.40





#45

1,2-Dichloropropane

Concen: 52.13 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

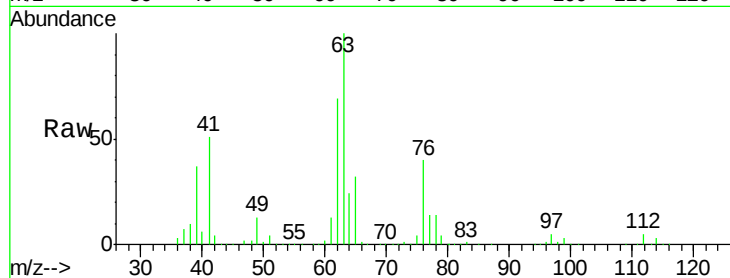
LF1-0034MS

Tot Ion: 63 Resp: 176856

Ion Ratio Lower Upper

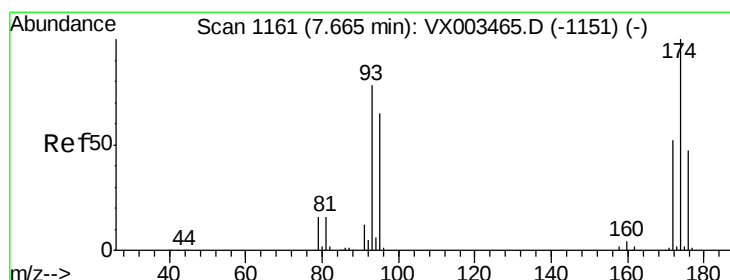
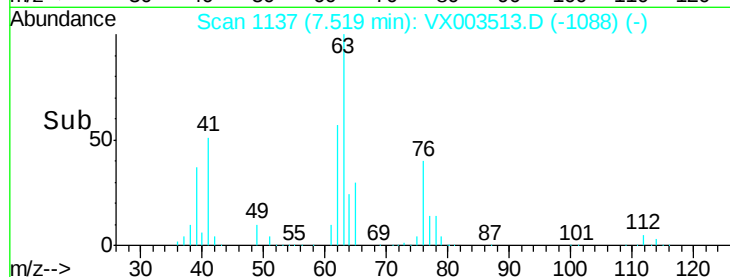
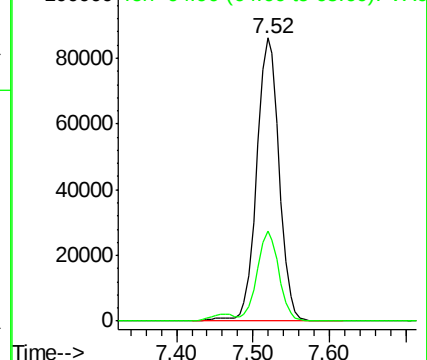
63 100

65 31.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.86 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

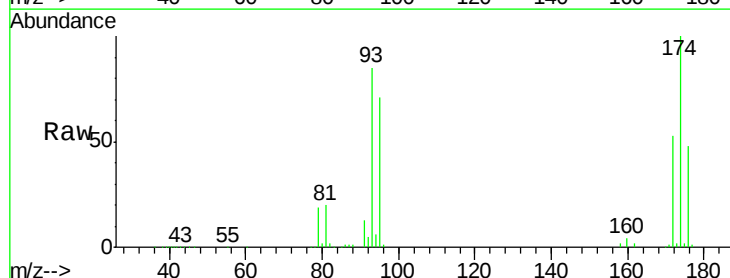
Tgt Ion: 93 Resp: 115461

Ion Ratio Lower Upper

93 100

95 83.1 65.9 98.9

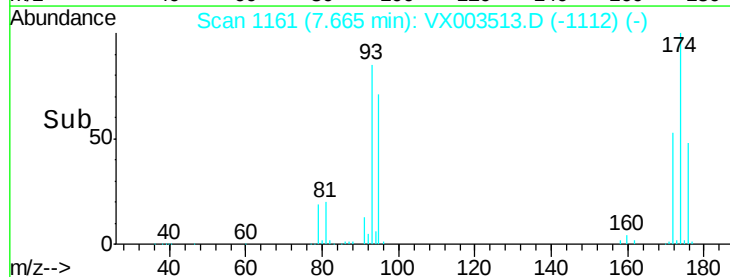
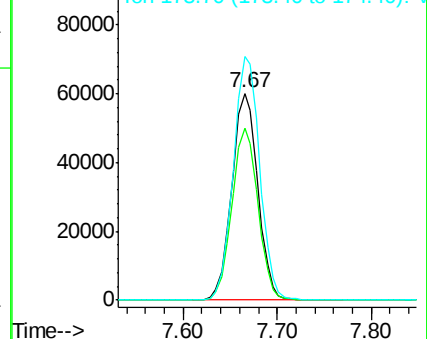
174 119.2 92.4 138.6



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: 54.49 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

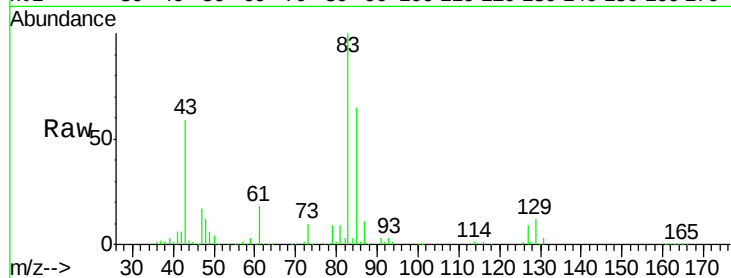
Tot Ion: 83 Resp: 217874

Ion Ratio Lower Upper

83 100

85 64.8 50.3 75.5

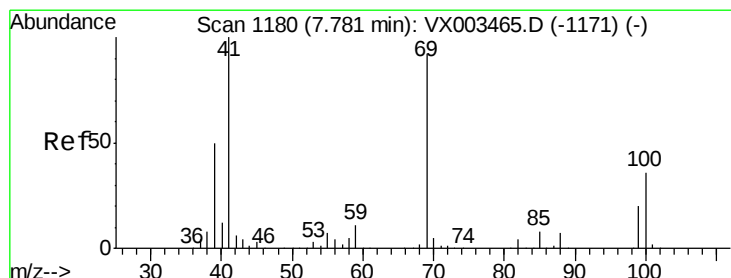
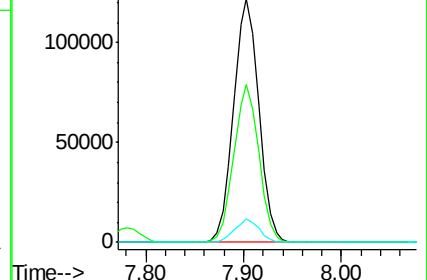
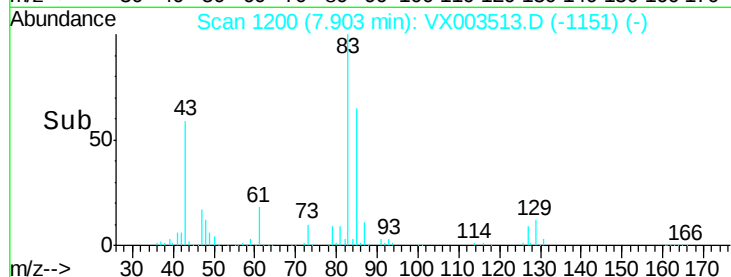
127 9.5 7.0 10.4



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: 56.69 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

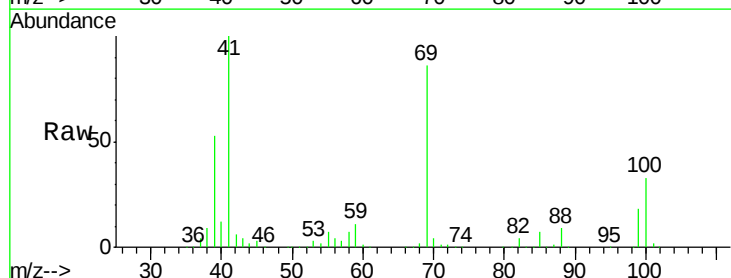
Tgt Ion: 41 Resp: 190447

Ion Ratio Lower Upper

41 100

69 87.3 59.1 88.7

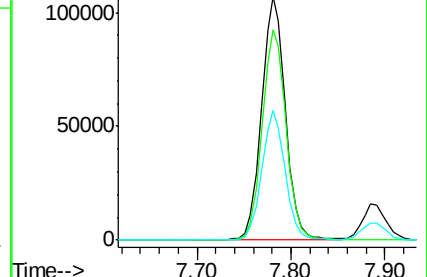
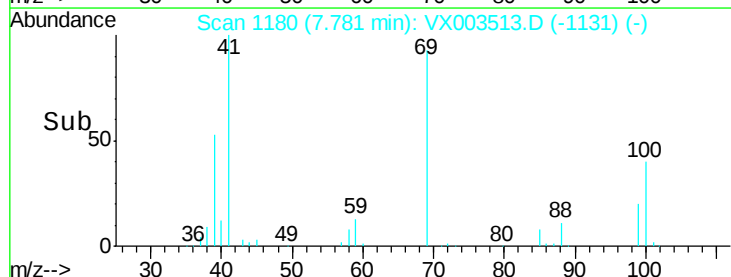
39 51.8 48.9 73.3

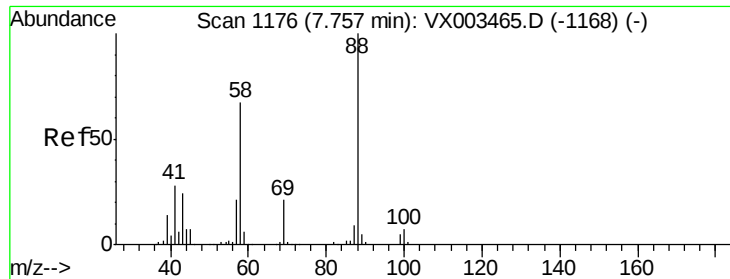


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

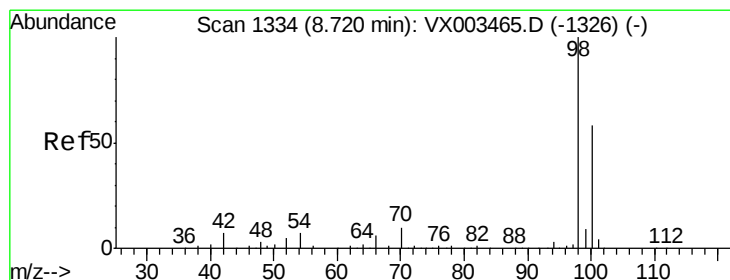
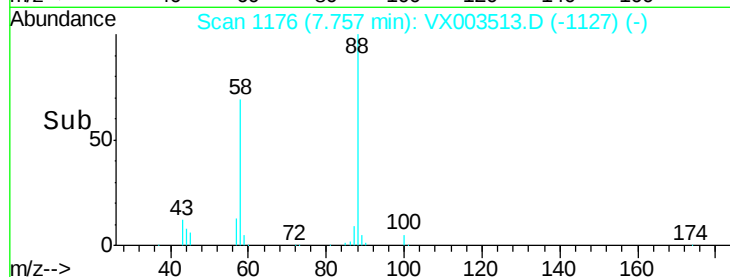
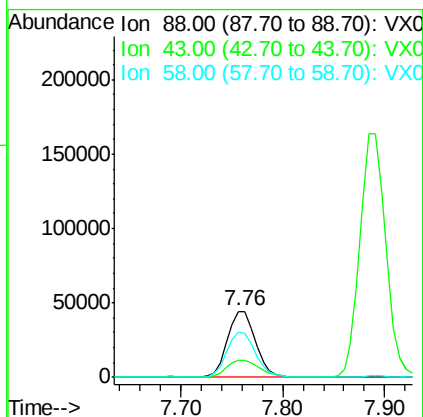
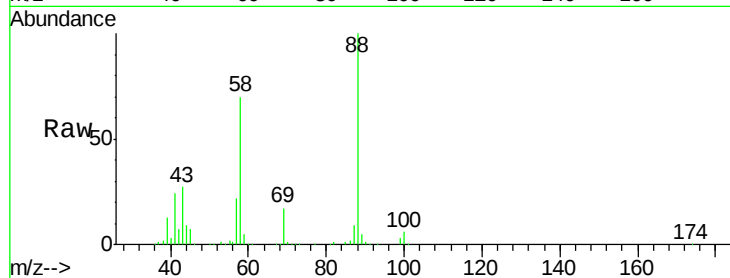




#49
1,4-Dioxane
Concen: 1115.05 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

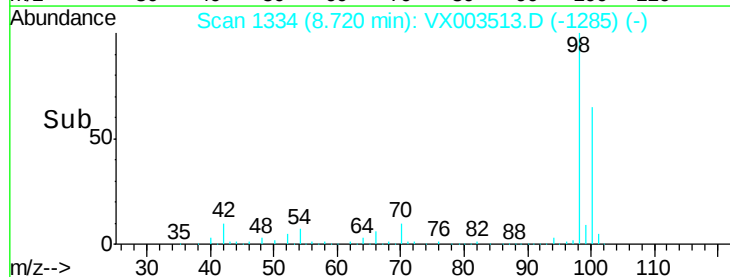
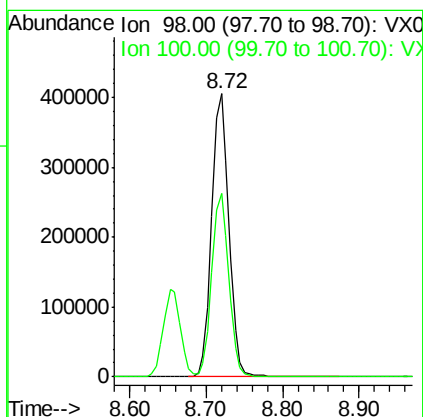
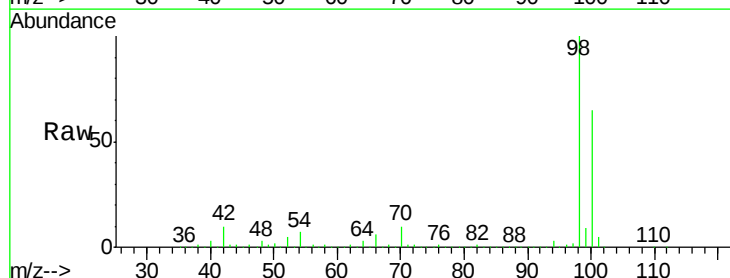
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

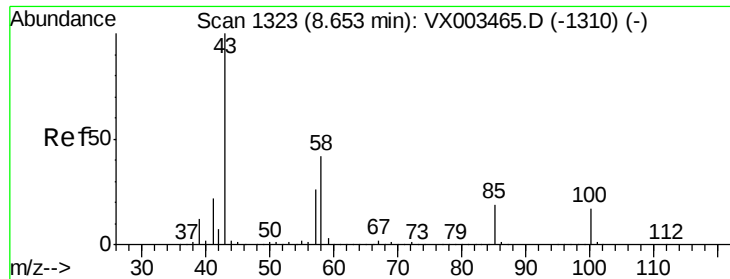
Tot Ion: 88 Resp: 84876
Ion Ratio Lower Upper
88 100
43 29.9 29.8 44.6
58 71.0 57.1 85.7



#50
Toluene-d8
Concen: 53.98 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 98 Resp: 633476
Ion Ratio Lower Upper
98 100
100 64.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 288.54 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

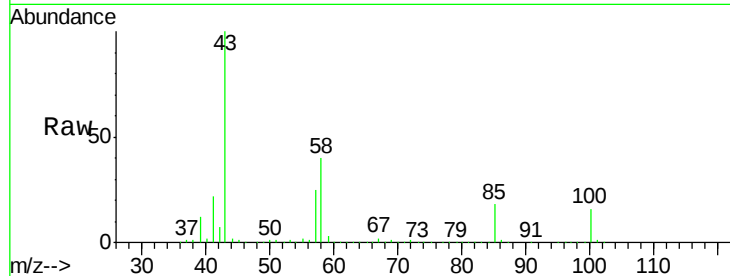
LF1-0034MS

Tot Ion: 43 Resp: 1214340

Ion Ratio Lower Upper

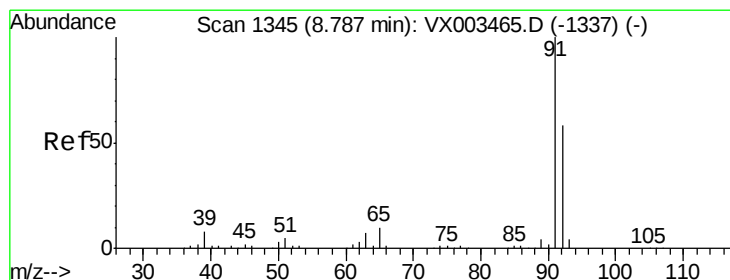
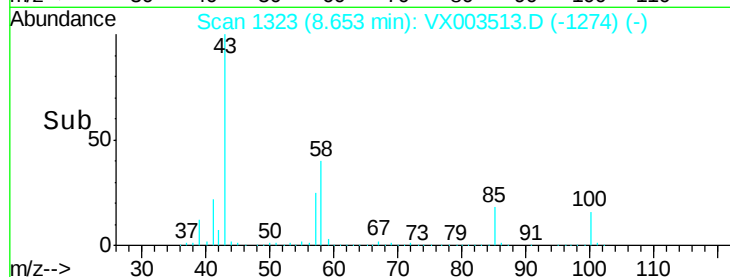
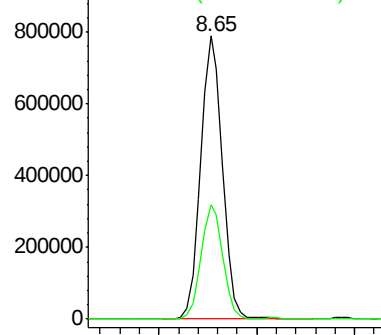
43 100

58 40.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003513.D

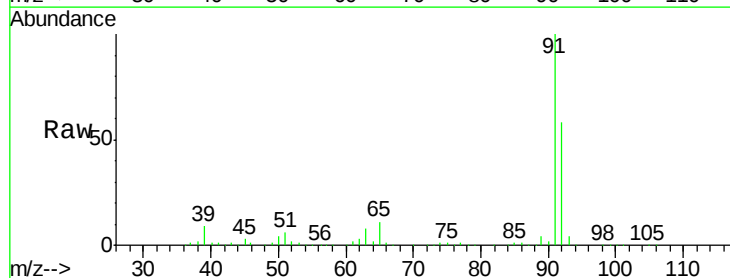
Acq: 20 Jul 2018 16:58

Tgt Ion: 92 Resp: 430876

Ion Ratio Lower Upper

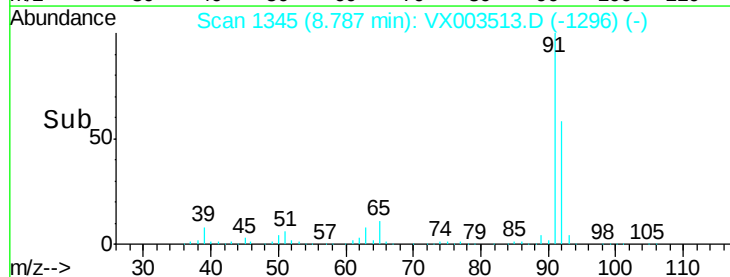
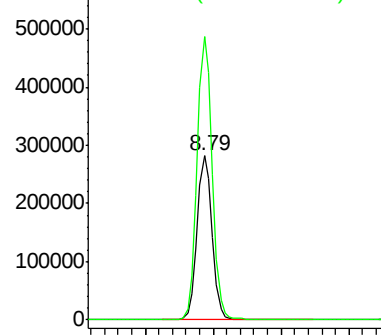
92 100

91 173.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.20 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

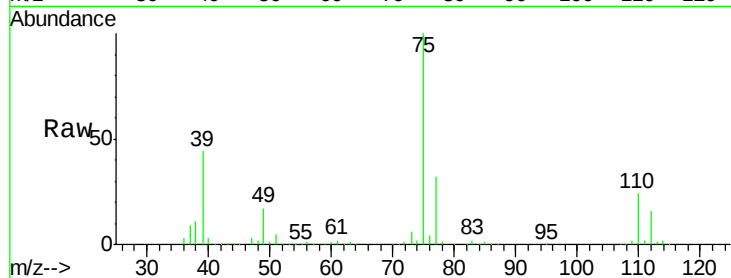
LF1-0034MS

Tot Ion: 75 Resp: 256935

Ion Ratio Lower Upper

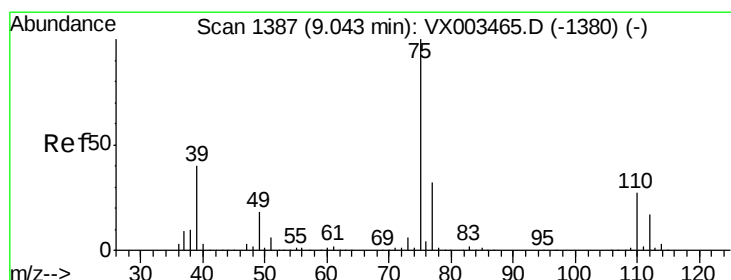
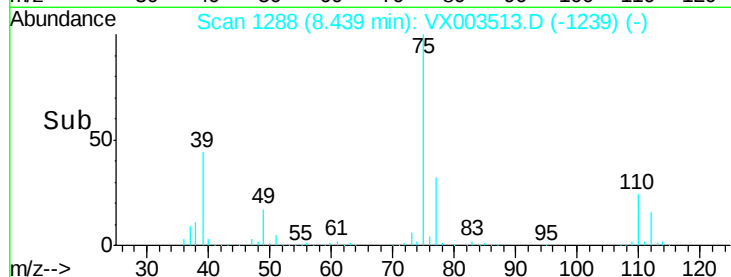
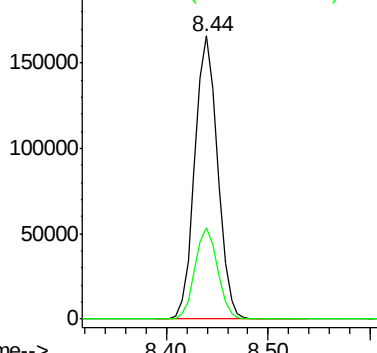
75 100

77 32.4 25.4 38.2



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: 53.71 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

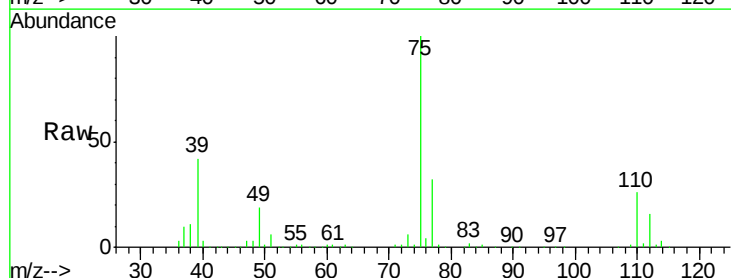
Tgt Ion: 75 Resp: 237742

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

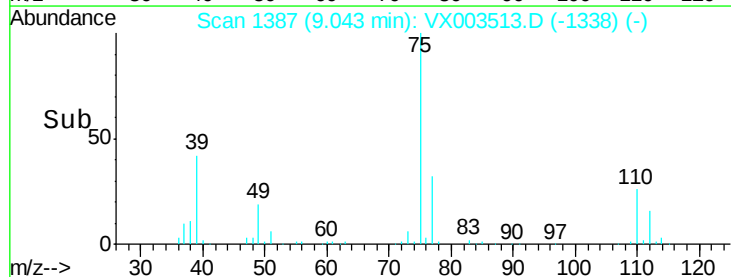
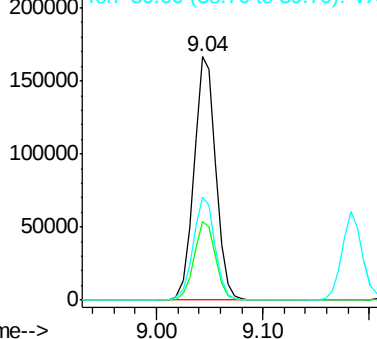
39 42.1 42.4 63.6#

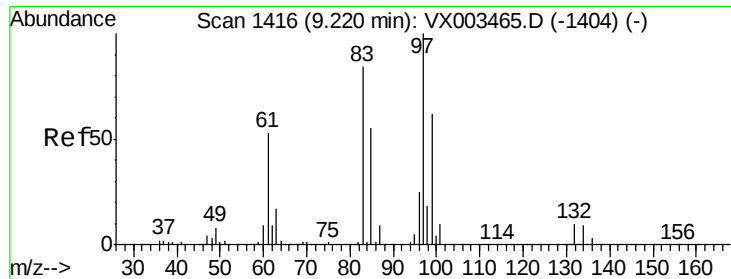


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

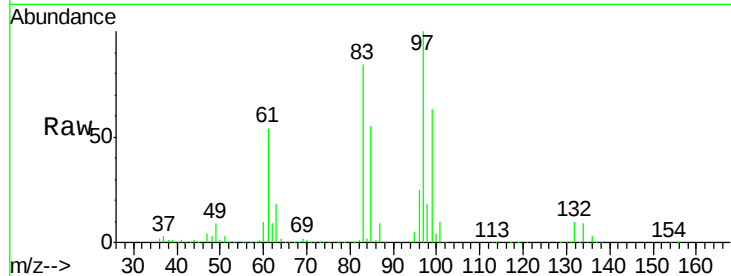




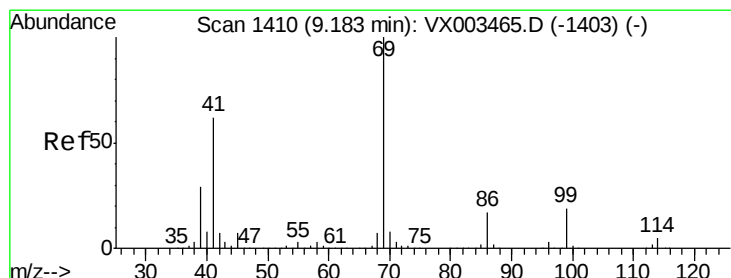
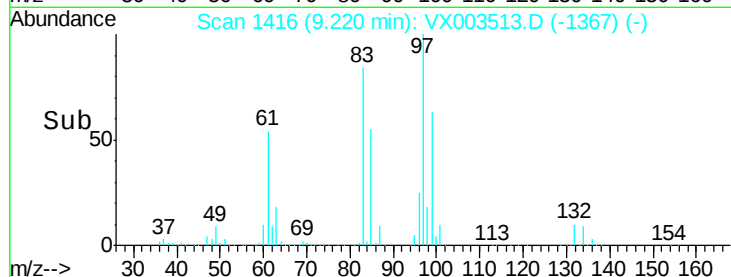
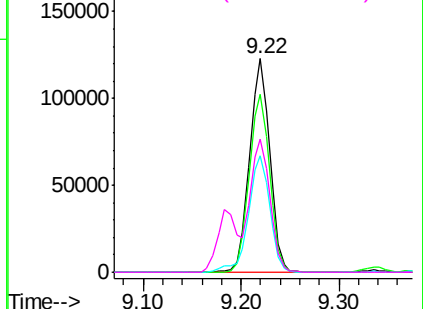
#55
 1,1,2-Trichloroethane
 Concen: 52.76 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion: 97 Resp: 176578
 Ion Ratio Lower Upper
 97 100
 83 83.6 70.2 105.2
 85 54.6 44.9 67.3
 99 62.6 49.8 74.8

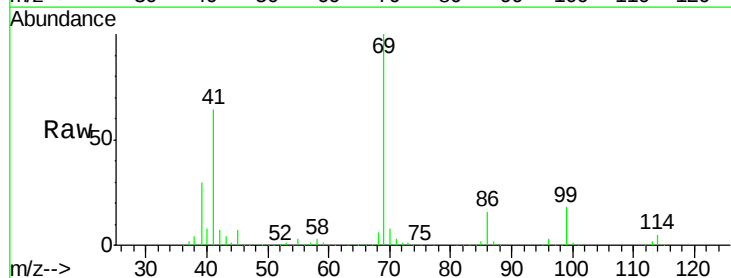


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

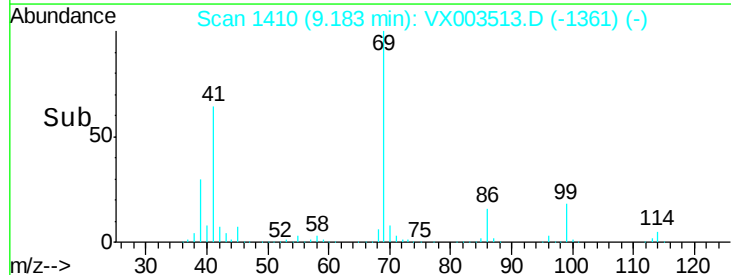
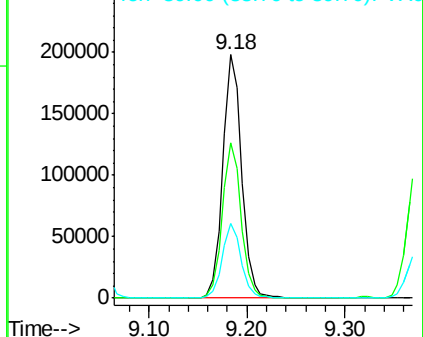


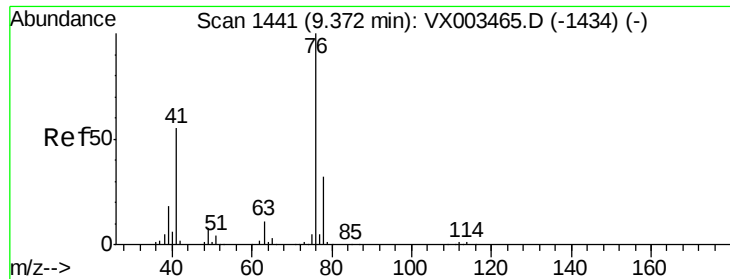
#56
 Ethyl methacrylate
 Concen: 56.13 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 69 Resp: 264616
 Ion Ratio Lower Upper
 69 100
 41 63.8 60.3 90.5
 39 30.9 35.8 53.8#



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





#57

1,3-Dichloropropane

Concen: 53.71 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

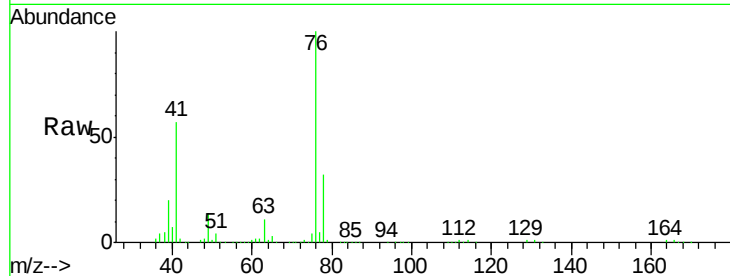
LF1-0034MS

Tot Ion: 76 Resp: 290556

Ion Ratio Lower Upper

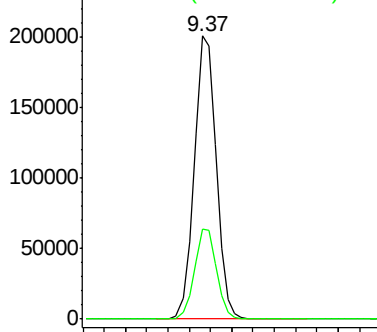
76 100

78 31.8 25.8 38.6

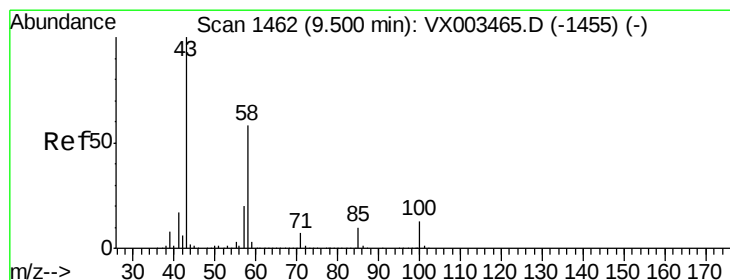
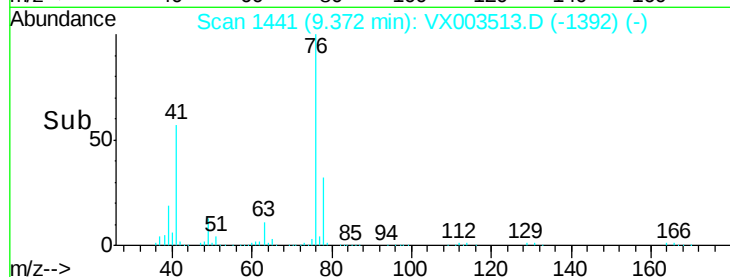


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#59

2-Hexanone

Concen: 291.97 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX003513.D

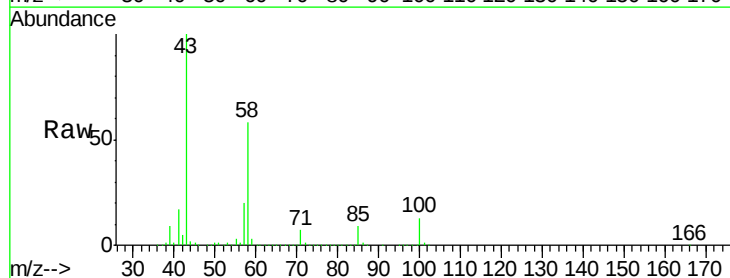
Acq: 20 Jul 2018 16:58

Tgt Ion: 43 Resp: 910403

Ion Ratio Lower Upper

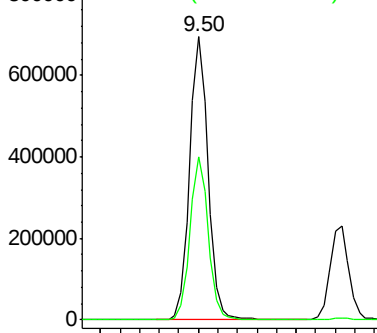
43 100

58 57.1 24.6 73.6

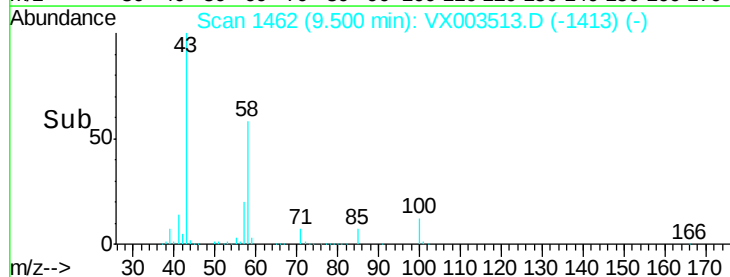


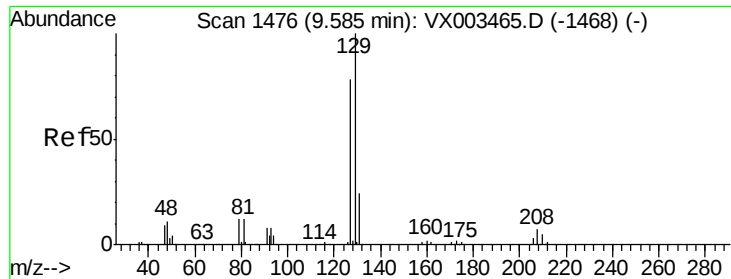
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#60

Dibromochloromethane

Concen: 54.69 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

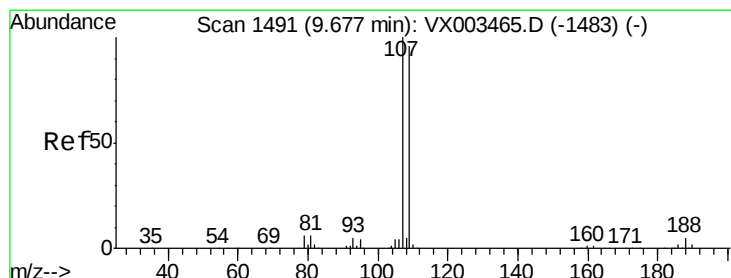
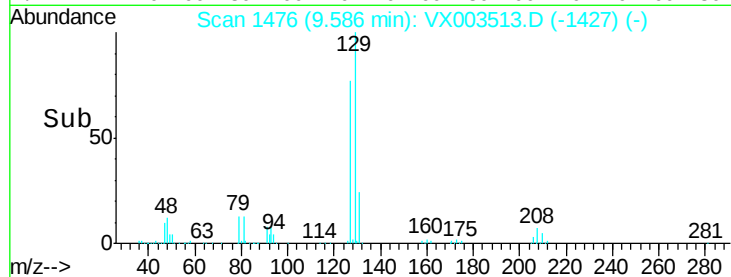
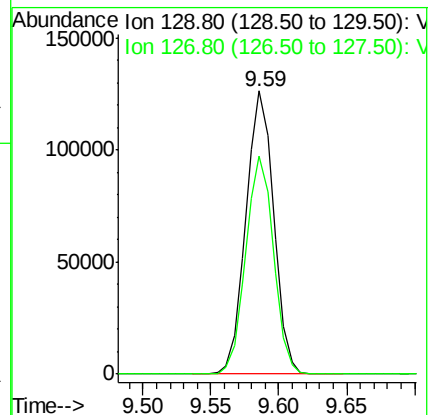
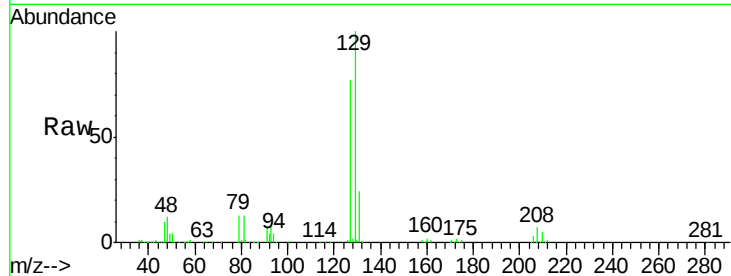
LF1-0034MS

Tot Ion:129 Resp: 181160

Ion Ratio Lower Upper

129 100

127 76.8 38.5 115.3



#61

1,2-Dibromoethane

Concen: 53.37 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003513.D

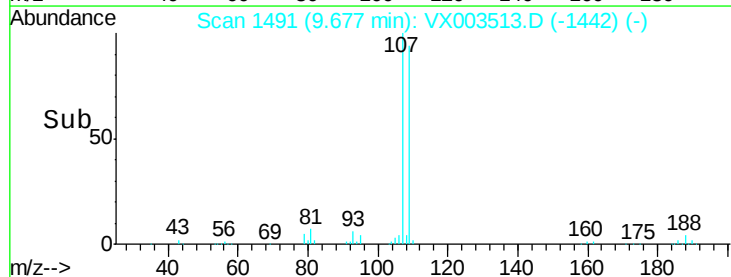
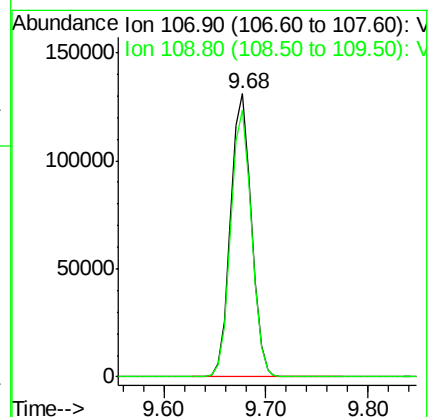
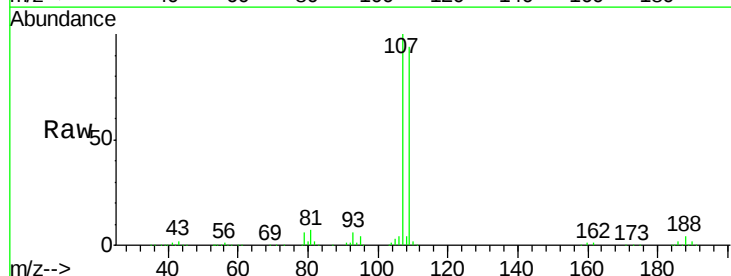
Acq: 20 Jul 2018 16:58

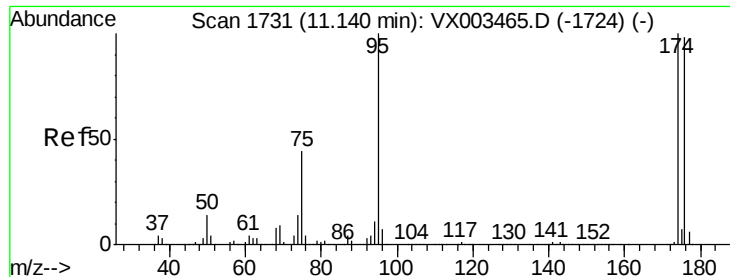
Tgt Ion:107 Resp: 185164

Ion Ratio Lower Upper

107 100

109 94.2 75.3 112.9

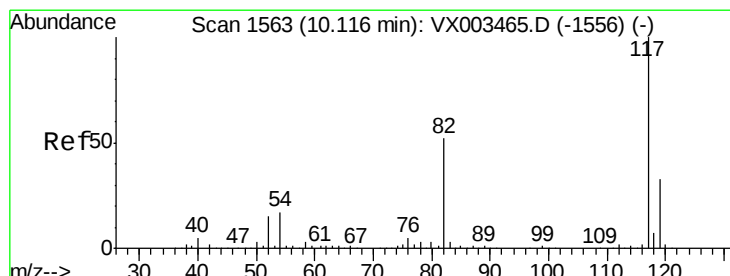
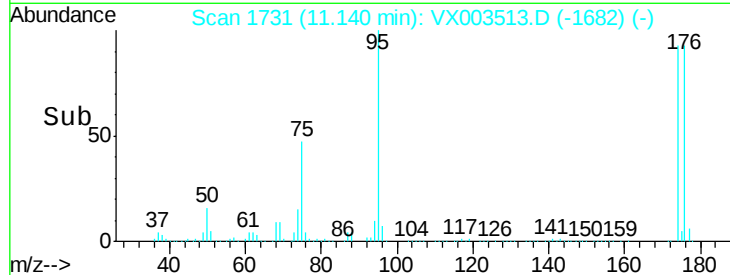
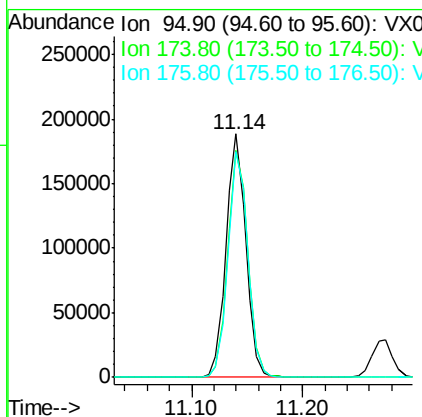
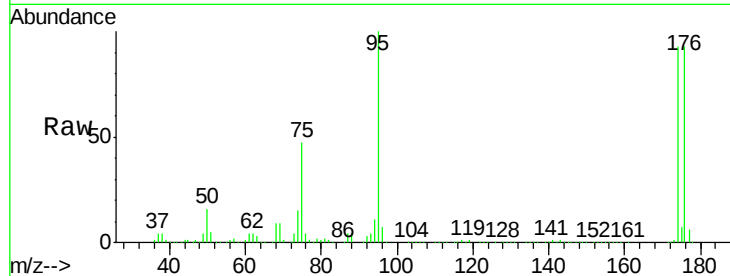




#62
4-Bromofluorobenzene
Concen: 54.07 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

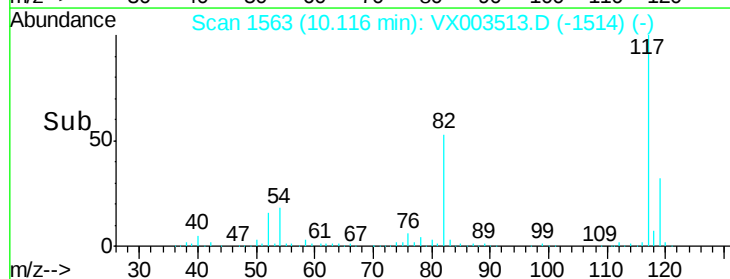
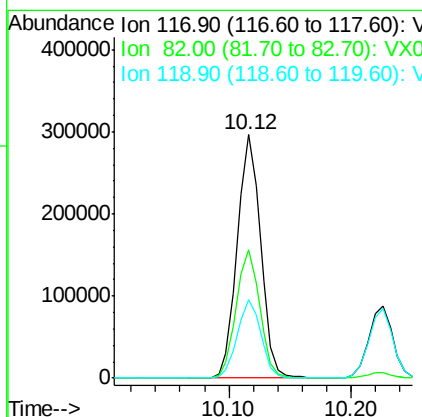
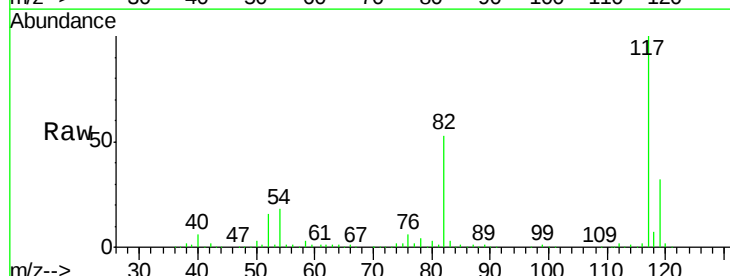
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

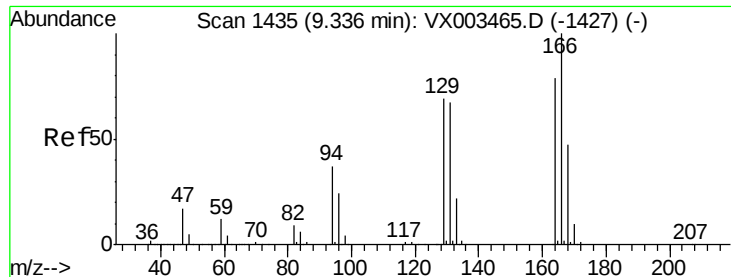
Tot Ion: 95 Resp: 231554
Ion Ratio Lower Upper
95 100
174 94.5 0.0 187.4
176 92.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 117 Resp: 391313
Ion Ratio Lower Upper
117 100
82 52.9 45.0 67.4
119 32.5 25.8 38.6

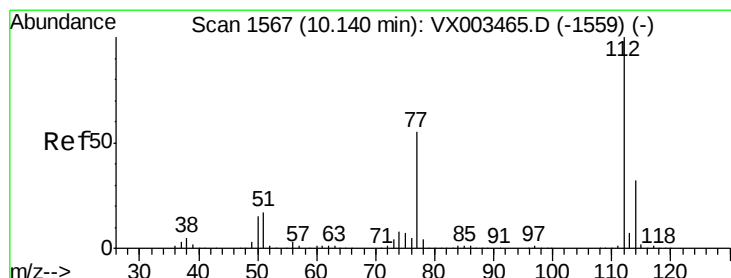
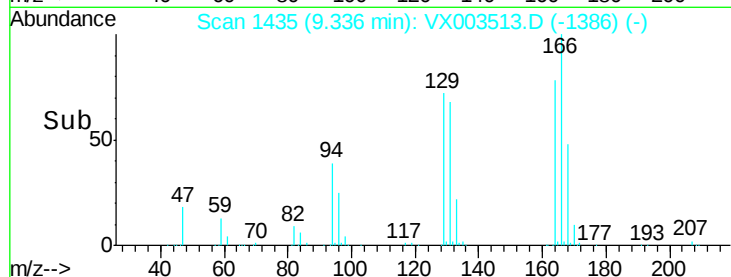
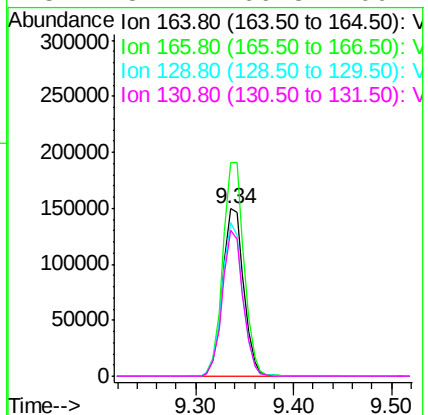
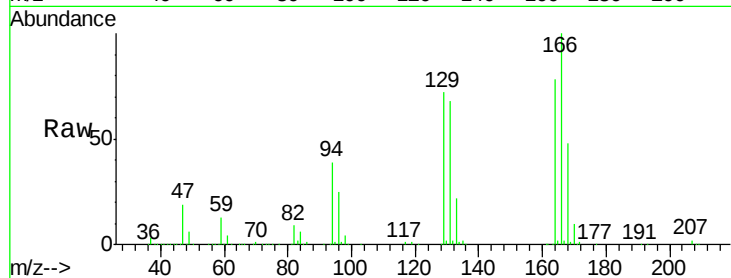




#64
Tetrachloroethene
Concen: 46.93 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

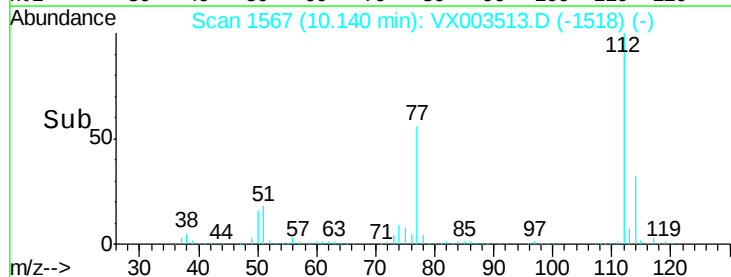
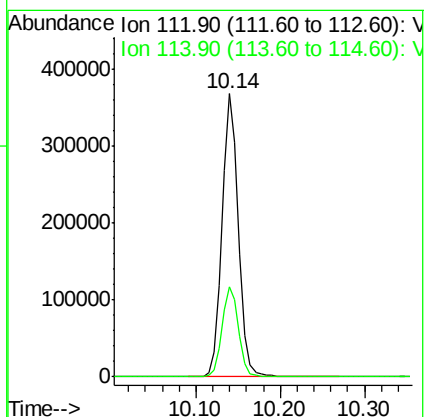
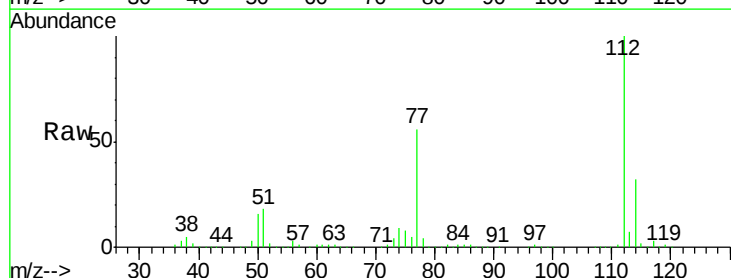
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

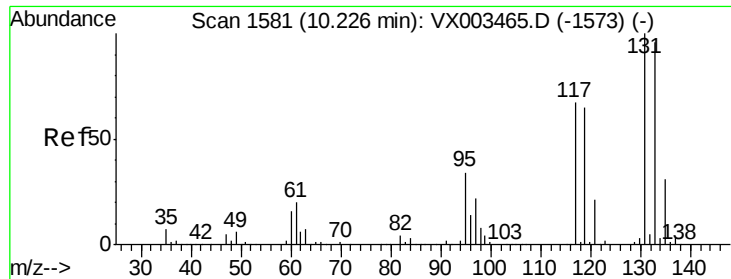
Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.9	154.3
129	91.8	68.6	102.8
131	87.2	66.8	100.2



#65
Chlorobenzene
Concen: 48.80 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.96 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

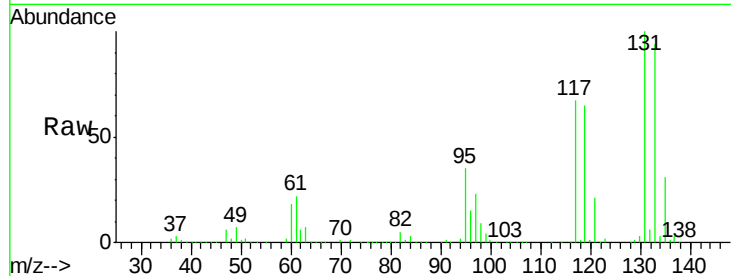
Tot Ion:131 Resp: 176762

Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.6

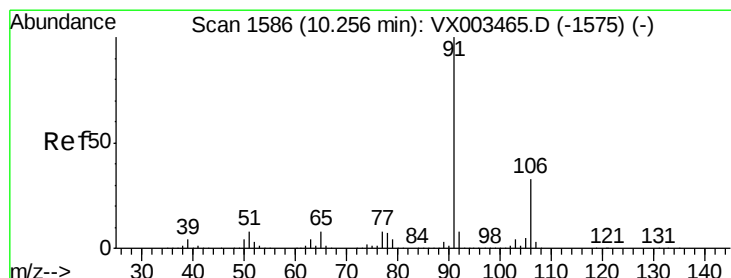
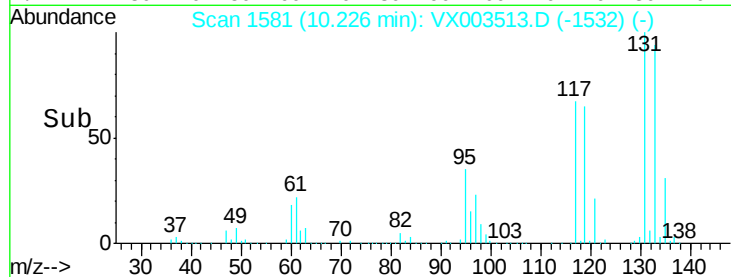
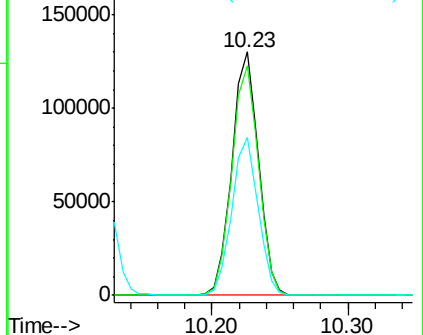
119 64.3 31.8 95.3



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: 50.48 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003513.D

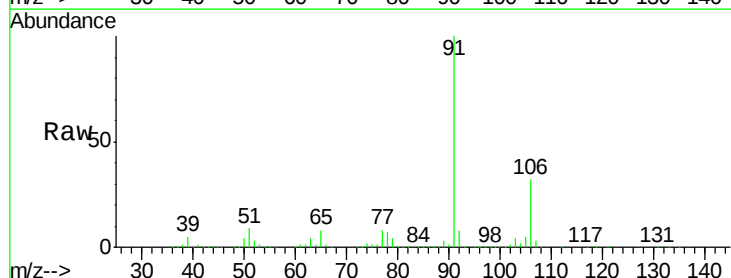
Acq: 20 Jul 2018 16:58

Tgt Ion: 91 Resp: 818377

Ion Ratio Lower Upper

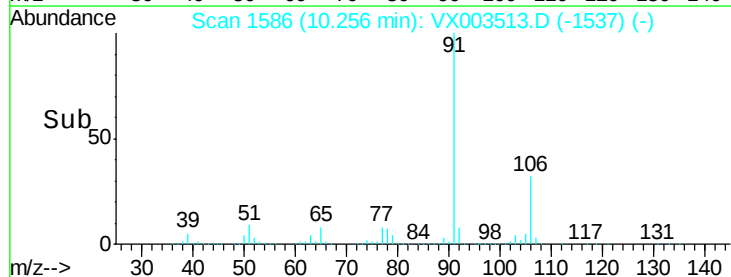
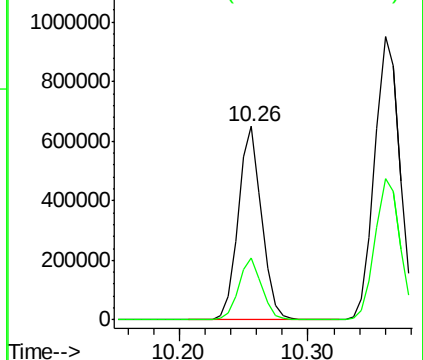
91 100

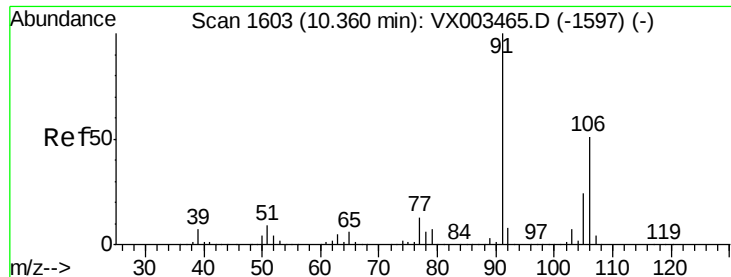
106 31.9 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

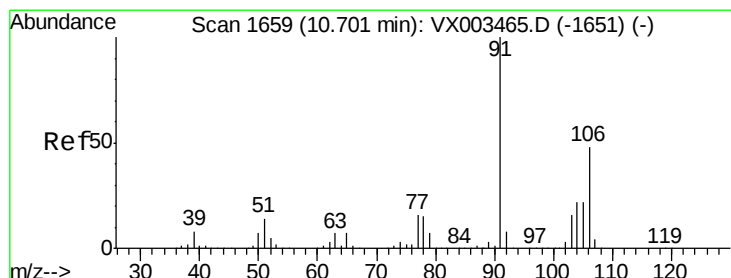
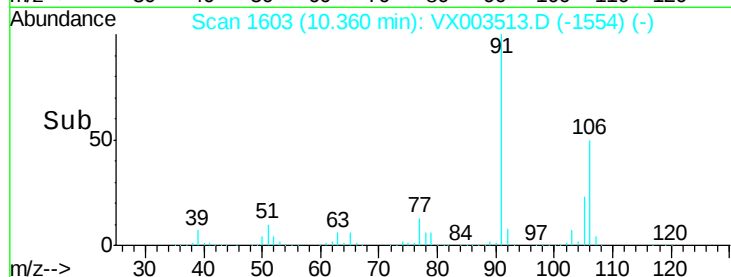
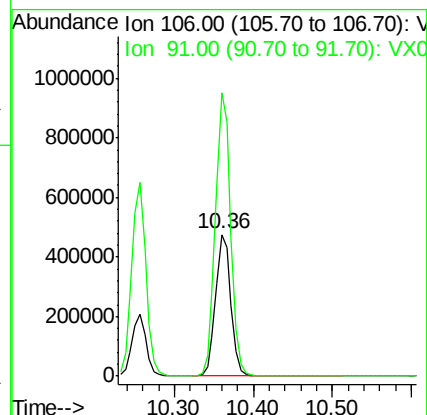
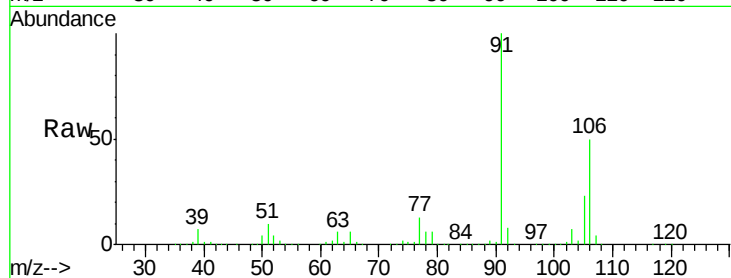




#68
m/p-Xvlenes
Concen: 100.65 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

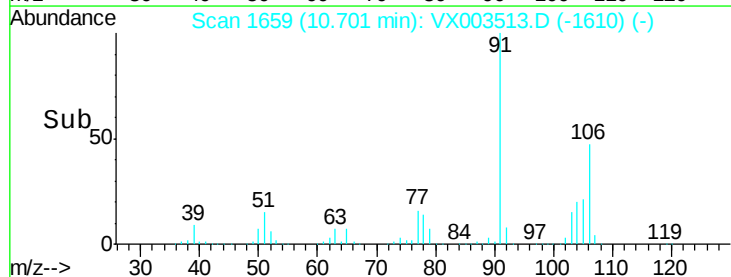
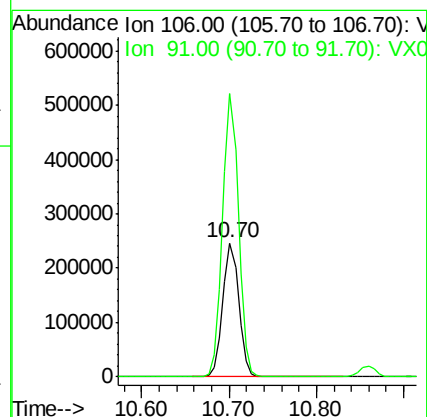
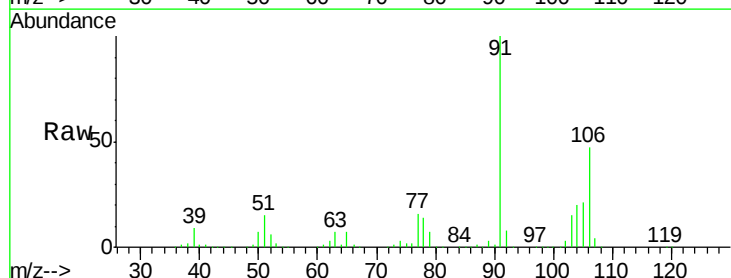
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

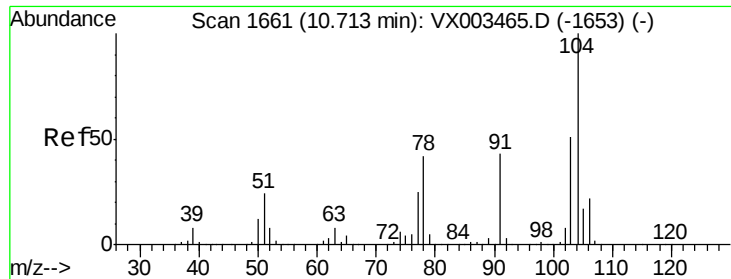
Tot Ion:106 Resp: 639675
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2



#69
o-Xylene
Concen: 50.67 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion:106 Resp: 311392
Ion Ratio Lower Upper
106 100
91 210.3 108.2 324.6





#70

Stvrene

Concen: 51.87 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

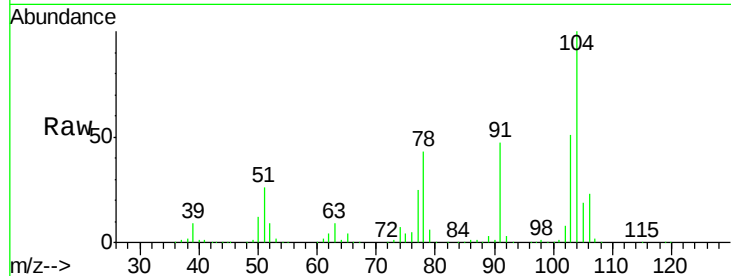
Tot Ion:104 Resp: 524314

Ion Ratio Lower Upper

104 100

78 47.2 41.0 61.6

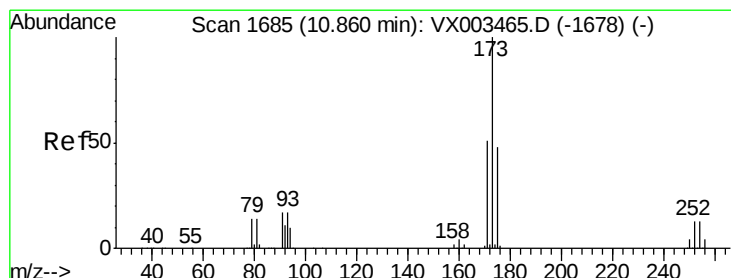
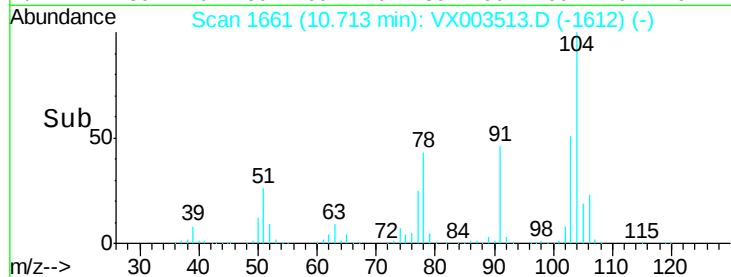
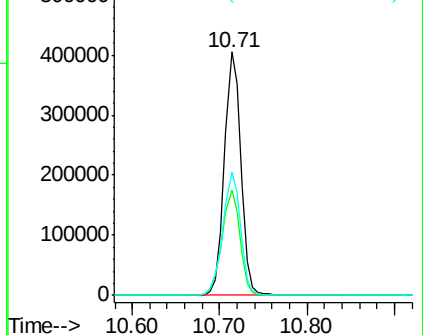
103 54.8 44.2 66.4



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: 52.26 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

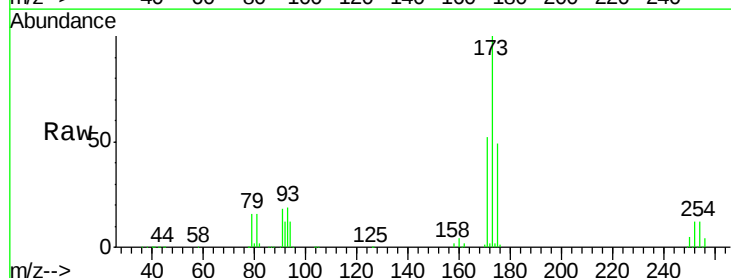
Tgt Ion:173 Resp: 140859

Ion Ratio Lower Upper

173 100

175 48.6 24.7 74.1

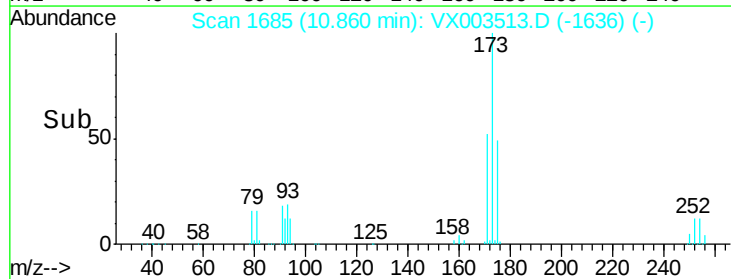
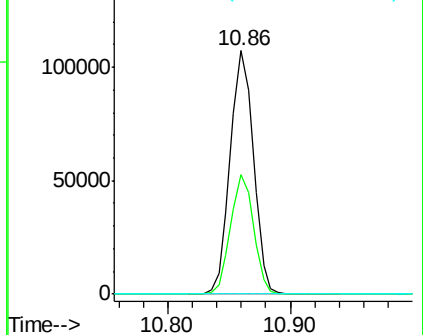
254 0.2 0.2 0.2

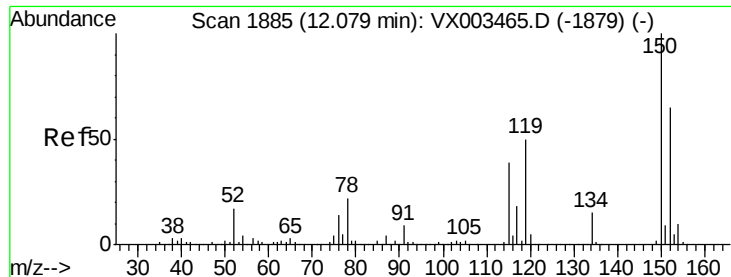


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

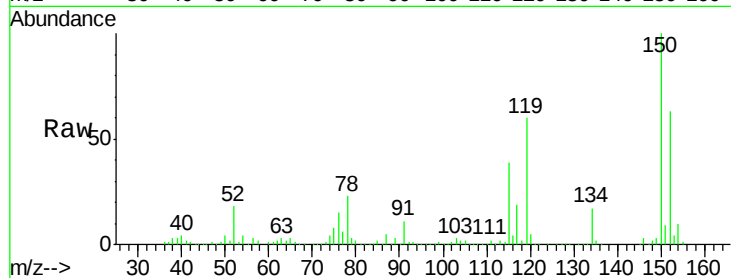
Tot Ion:152 Resp: 238462

Ion Ratio Lower Upper

152 100

115 76.3 40.1 120.2

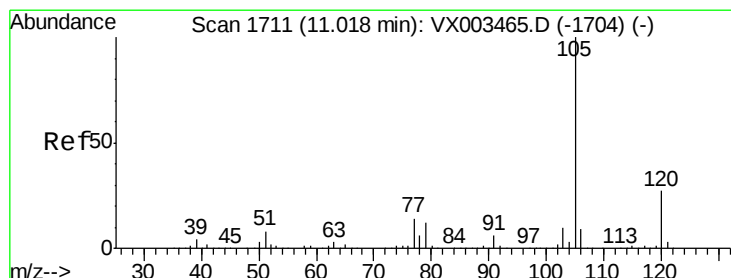
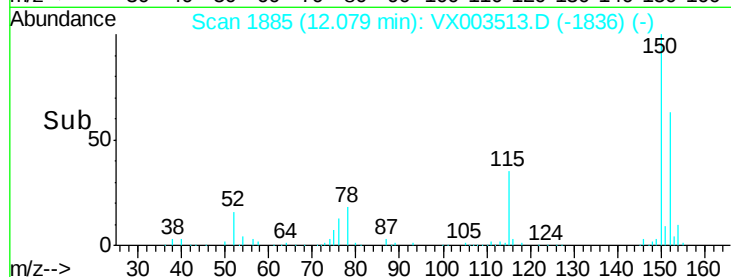
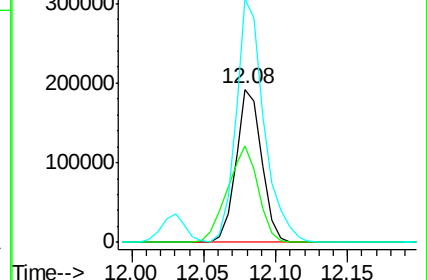
150 173.7 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.90 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003513.D

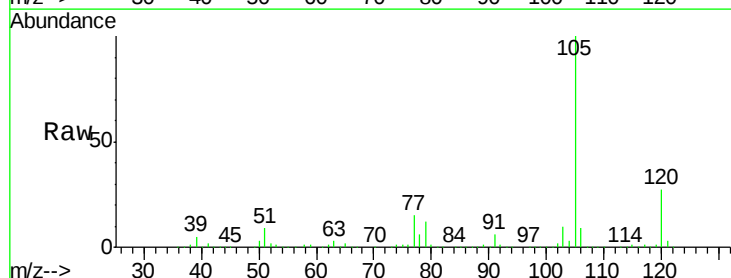
Acq: 20 Jul 2018 16:58

Tgt Ion:105 Resp: 822882

Ion Ratio Lower Upper

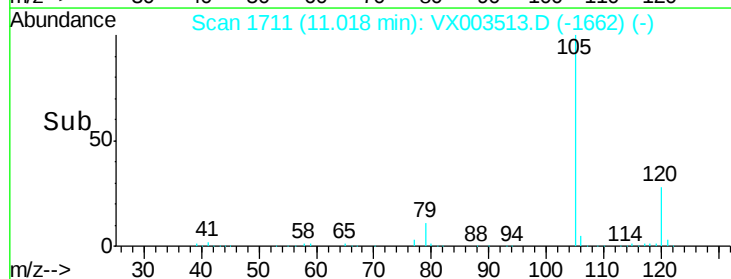
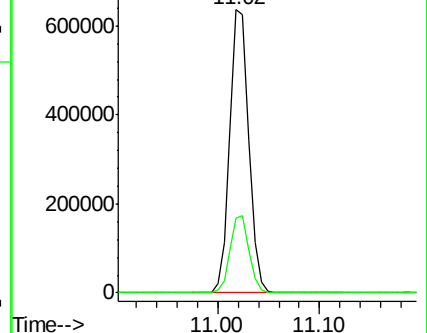
105 100

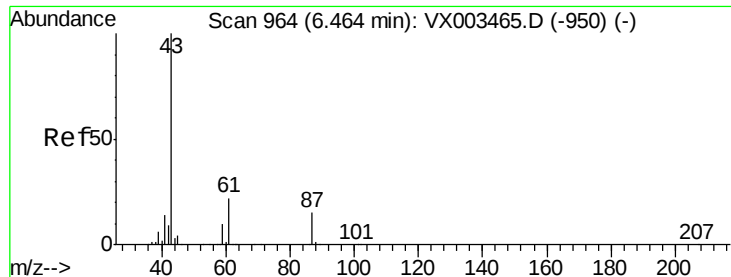
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.97 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

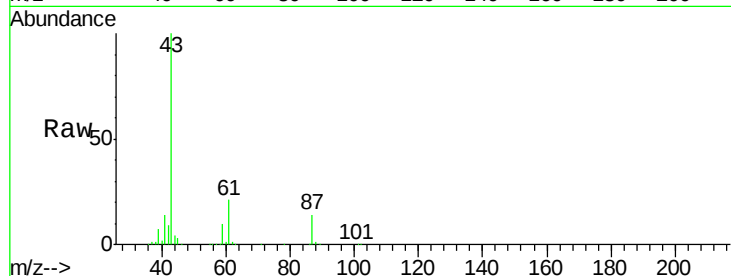
ClientSampleId :

LF1-0034MS

Tot Ion: 43 Resp: 349930

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.1	0.0	0.0#
61	20.9	14.4	21.6

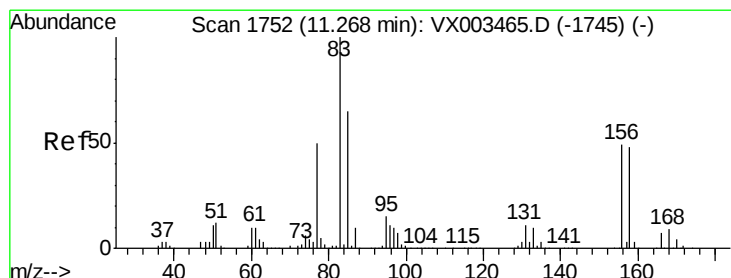
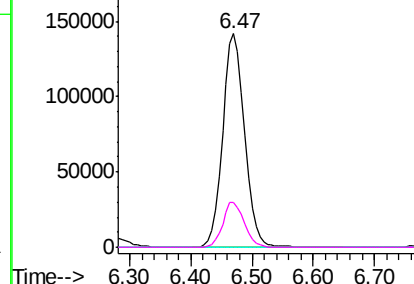
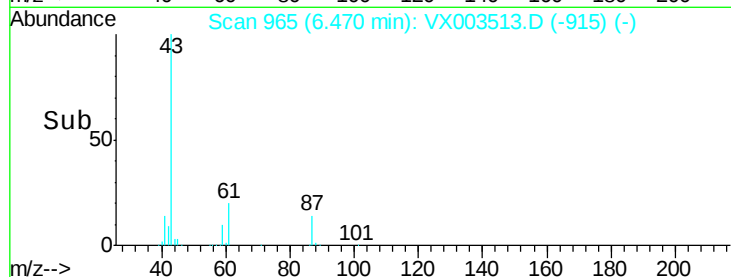


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 52.02 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

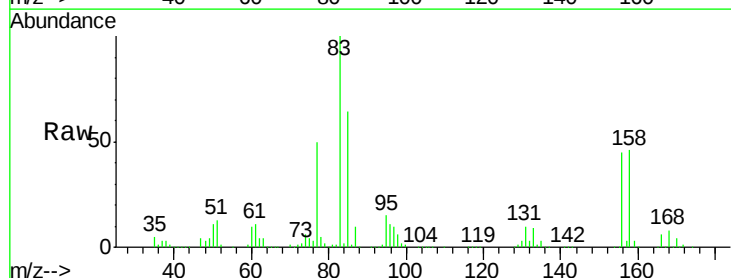
Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Tgt Ion: 83 Resp: 251394

Ion Ratio Lower Upper

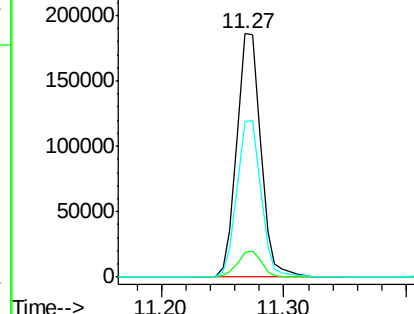
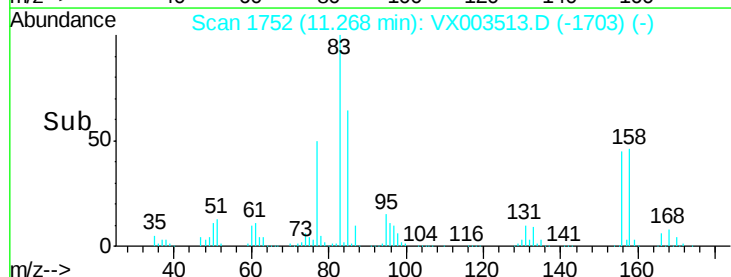
83	100		
131	10.8	5.6	16.8
85	64.4	32.4	97.2

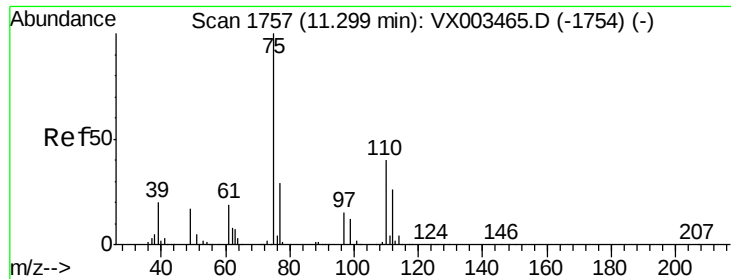


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

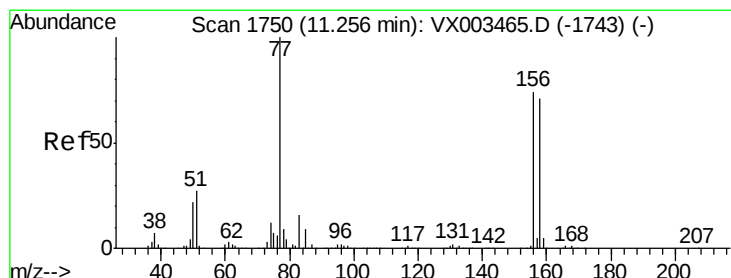
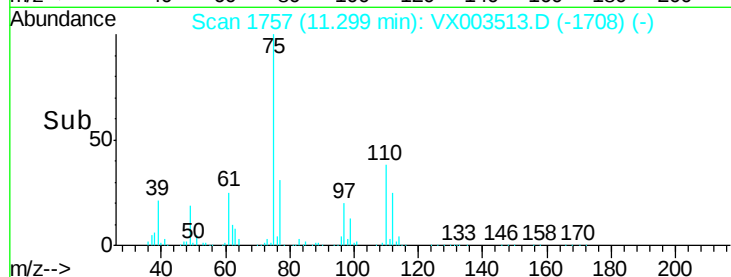
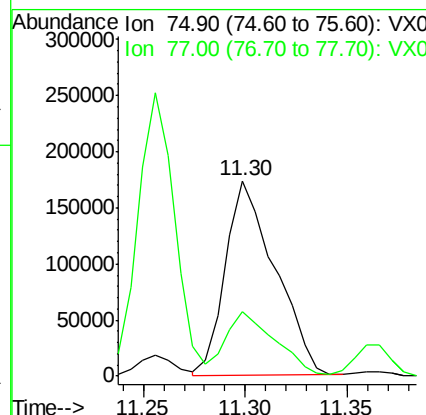
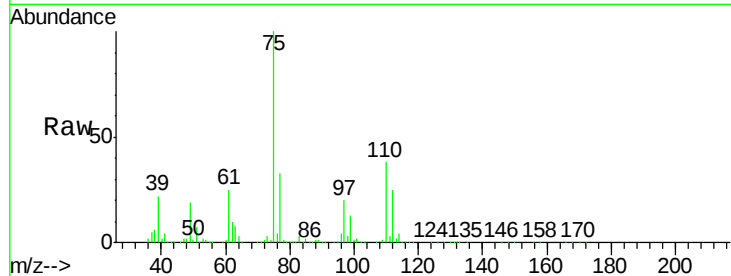




#76
 1,2,3-Trichloropropane
 Concen: 68.10 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

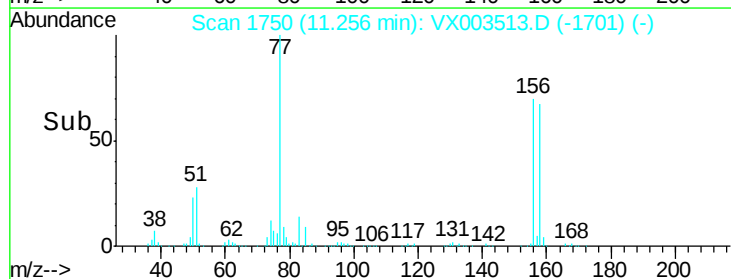
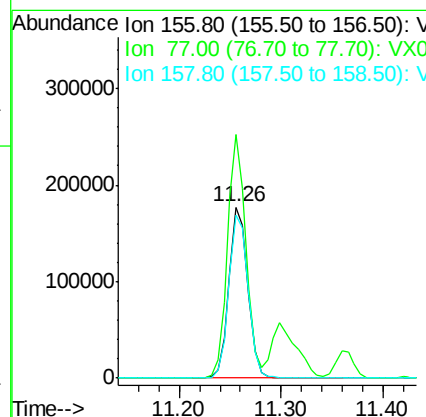
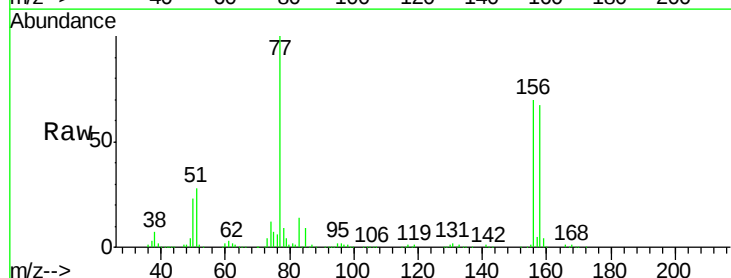
Instrument :
 MSVOA_X
 ClientSampled :
 LF1-0034MS

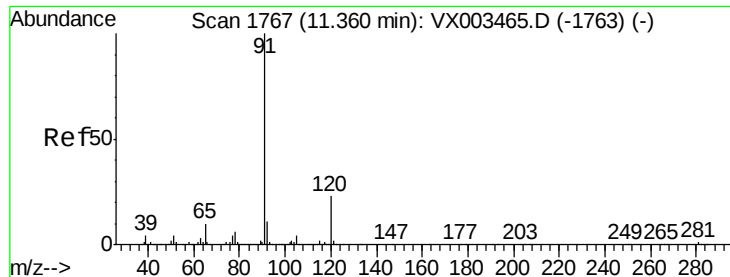
Tot Ion: 75 Resp: 291740
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.8 68.3



#77
 Bromobenzene
 Concen: 47.92 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 156 Resp: 227283
 Ion Ratio Lower Upper
 156 100
 77 139.7 71.4 214.2
 158 97.4 48.9 146.6





#78

n-propylbenzene

Concen: 50.81 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

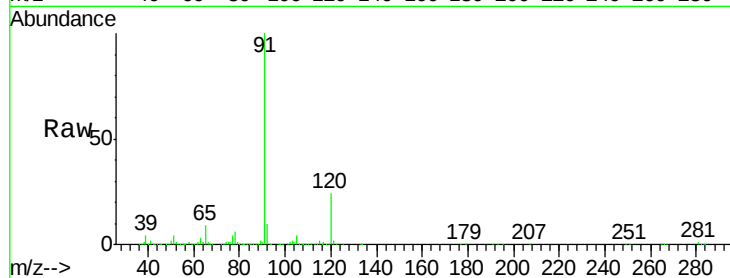
LF1-0034MS

Tot Ion: 91 Resp: 931408

Ion Ratio Lower Upper

91 100

120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

800000

600000

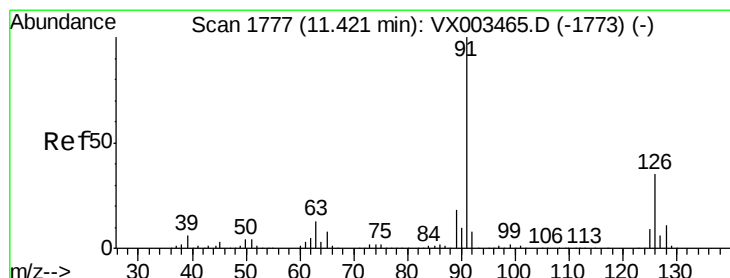
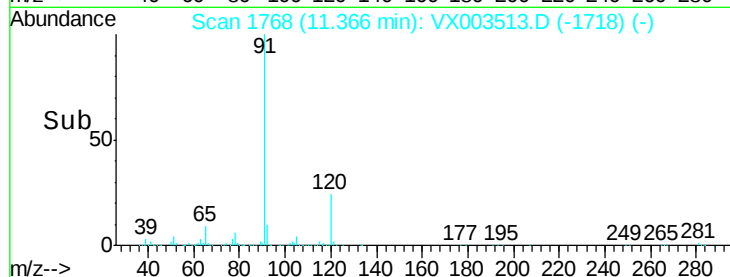
400000

200000

0

11.35 11.40

Time-->



#79

2-Chlorotoluene

Concen: 50.05 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003513.D

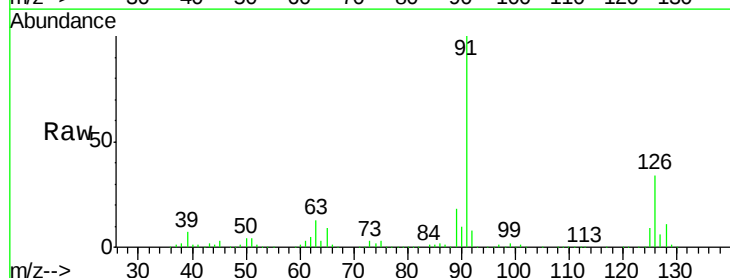
Acq: 20 Jul 2018 16:58

Tgt Ion: 91 Resp: 557052

Ion Ratio Lower Upper

91 100

126 36.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

800000

600000

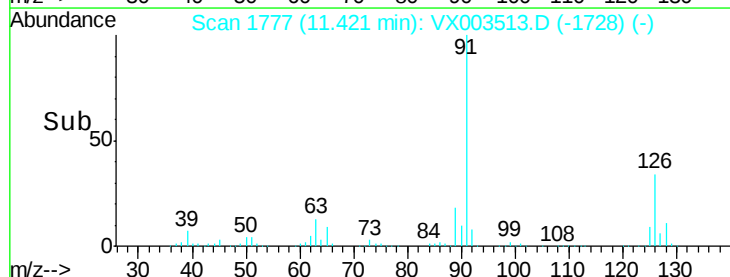
400000

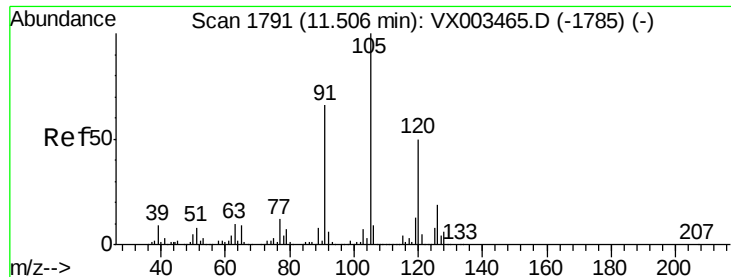
200000

0

11.40 11.45

Time-->

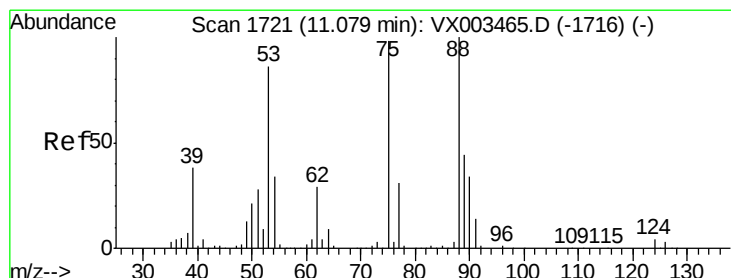
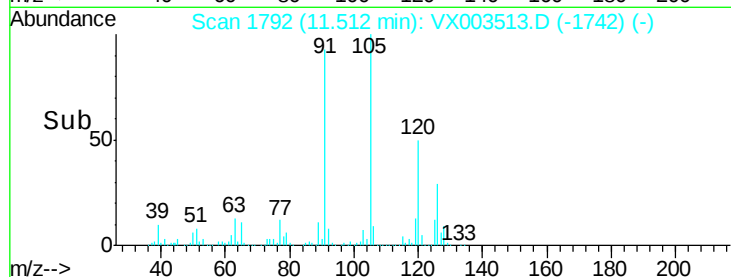
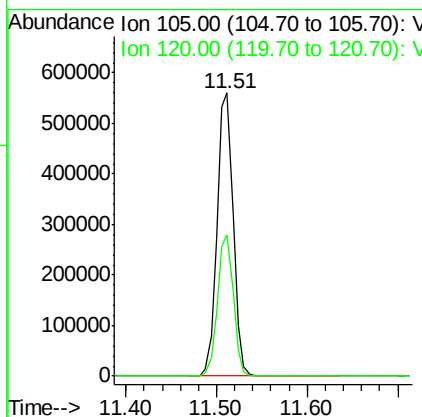
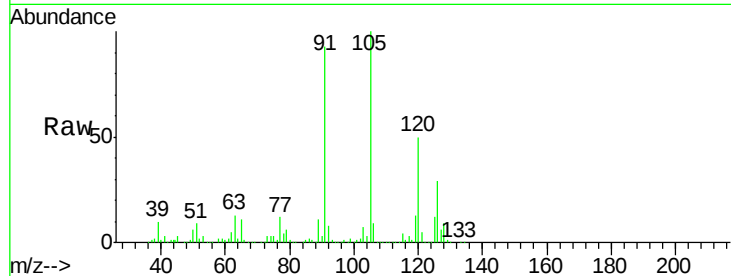




#80
 1,3,5-Trimethylbenzene
 Concen: 51.31 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

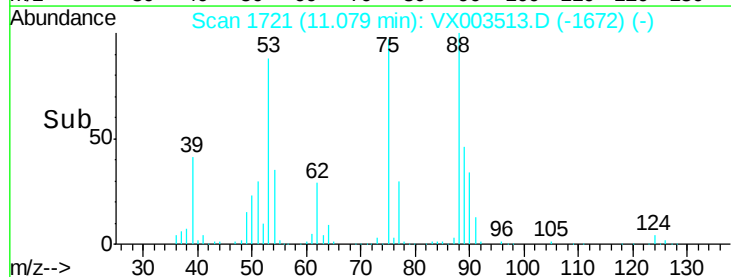
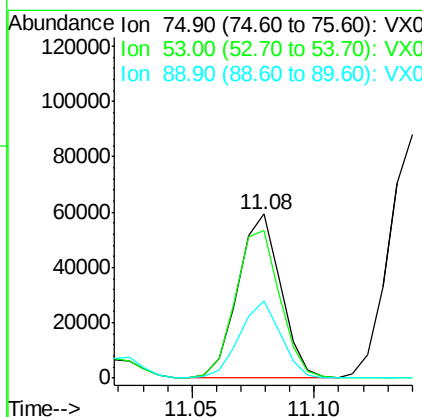
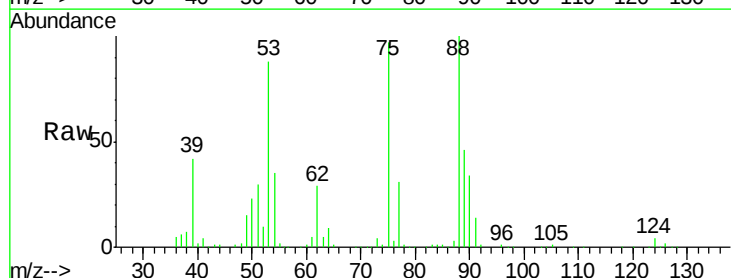
Instrument :
 MSVOA_X
 ClientSampled :
 LF1-0034MS

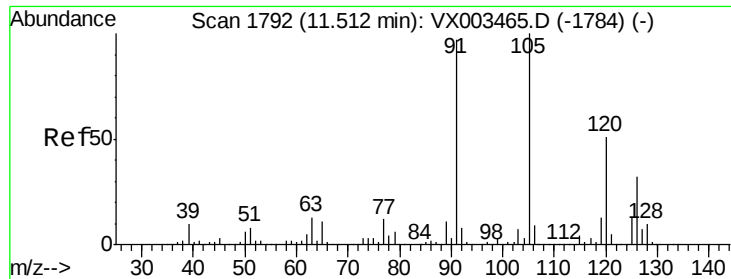
Tot Ion:105 Resp: 695435
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.97 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Tgt Ion: 75 Resp: 72202
 Ion Ratio Lower Upper
 75 100
 53 93.4 86.8 130.2
 89 45.5 38.2 57.2

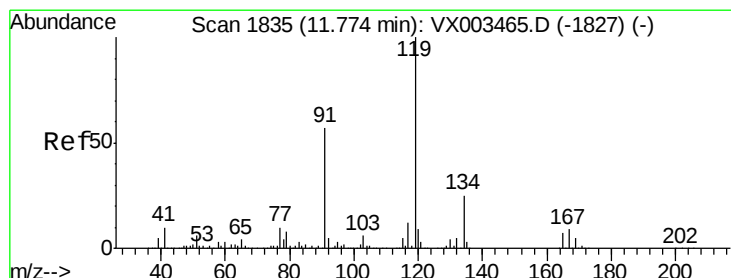
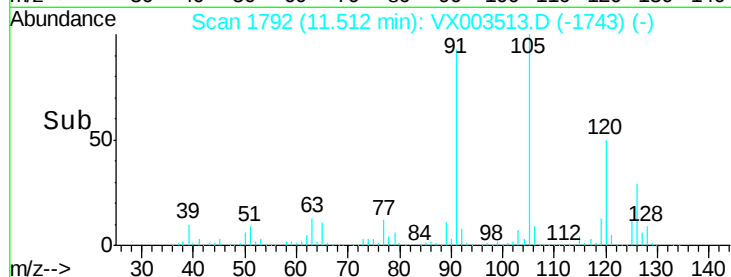
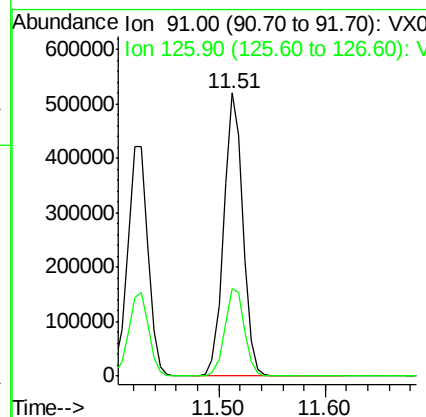
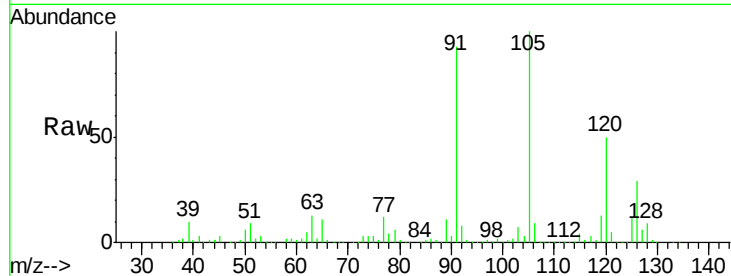




#82
4-Chlorotoluene
Concen: 49.76 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

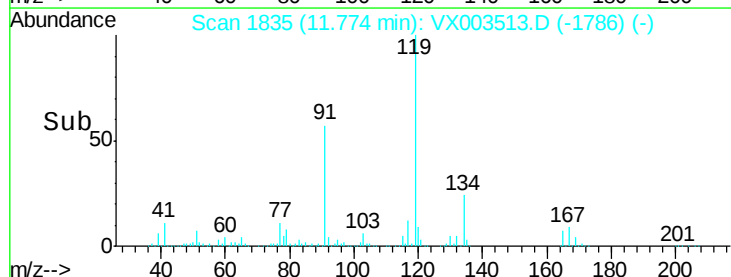
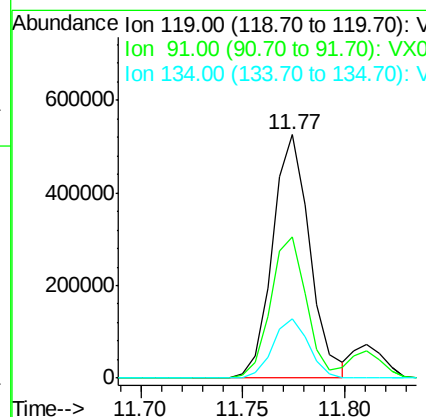
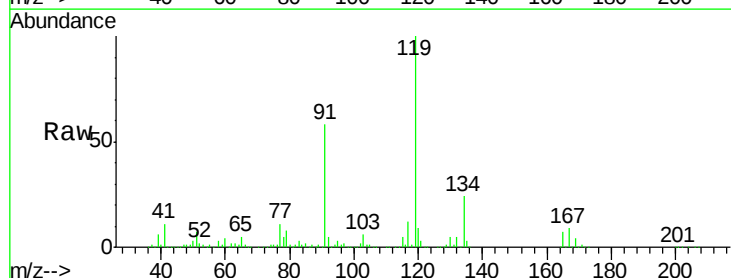
Instrument :
MSVOA_X
ClientSampled :
LF1-0034MS

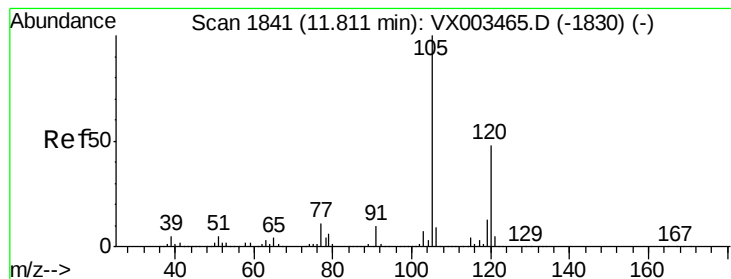
Tot Ion: 91 Resp: 648884
Ion Ratio Lower Upper
91 100
126 31.9 15.4 46.4



#83
tert-Butylbenzene
Concen: 50.45 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion: 119 Resp: 669670
Ion Ratio Lower Upper
119 100
91 55.6 30.3 90.9
134 23.4 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 51.63 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

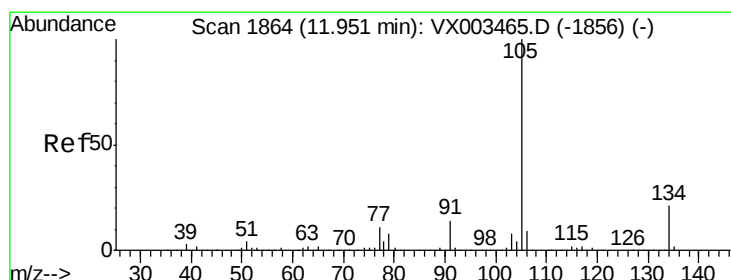
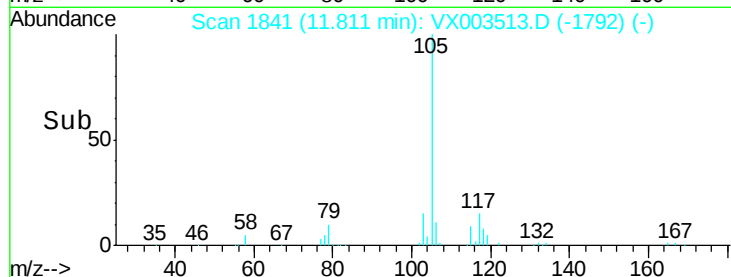
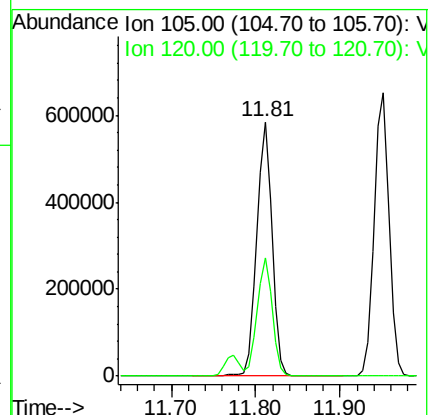
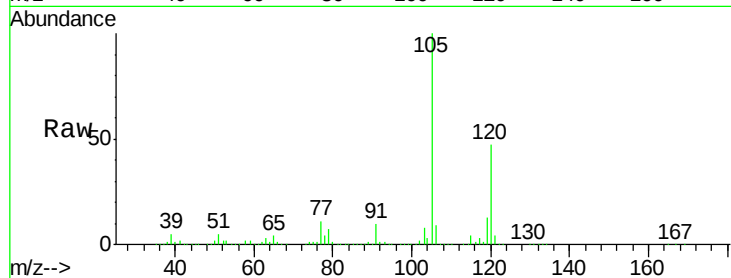
LF1-0034MS

Tot Ion:105 Resp: 712030

Ion Ratio Lower Upper

105 100

120 46.0 22.3 66.8



#85

sec-Butylbenzene

Concen: 49.80 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003513.D

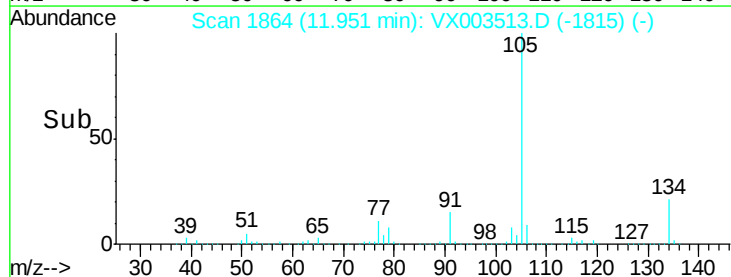
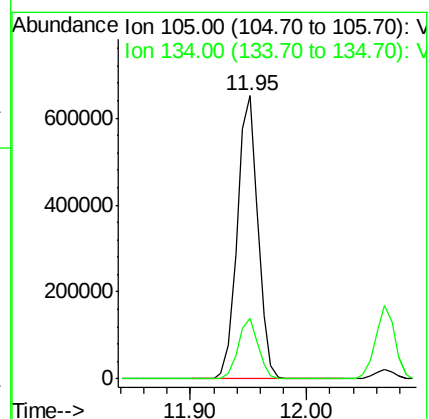
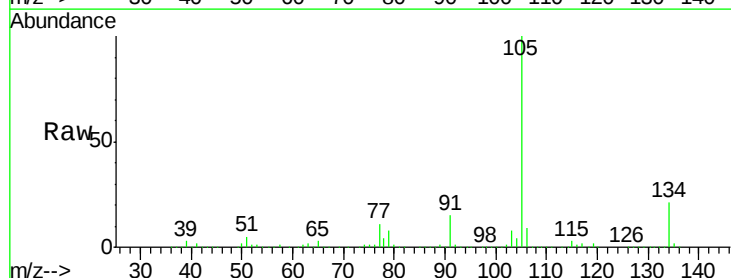
Acq: 20 Jul 2018 16:58

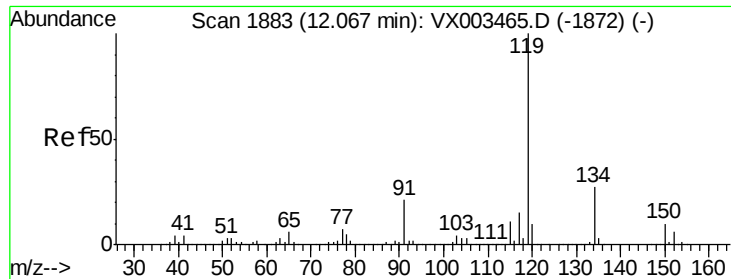
Tgt Ion:105 Resp: 802893

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1

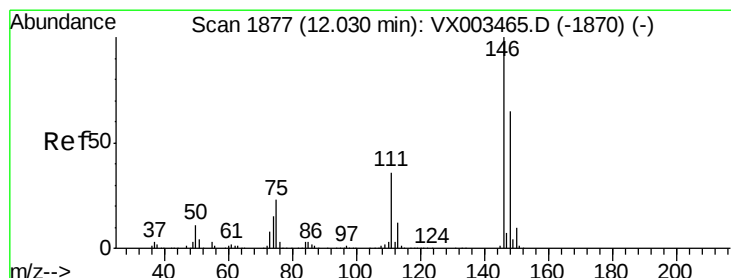
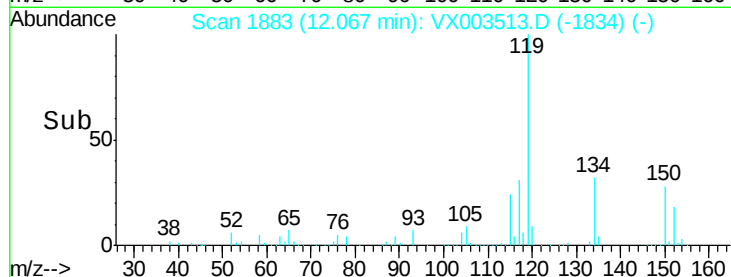
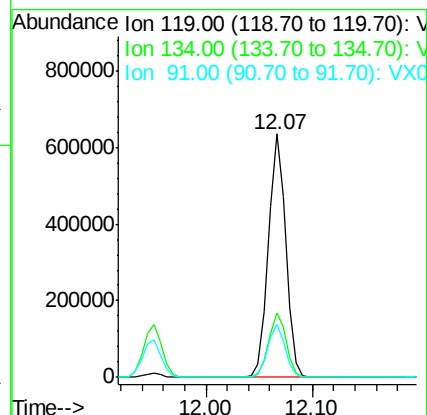
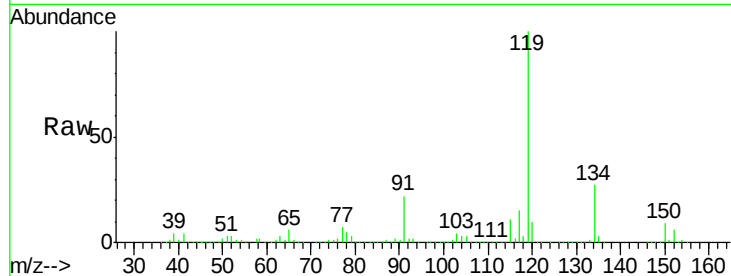




#86
p-Isopropyltoluene
Concen: 50.60 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

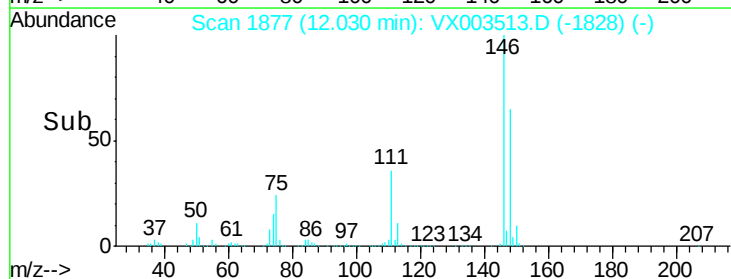
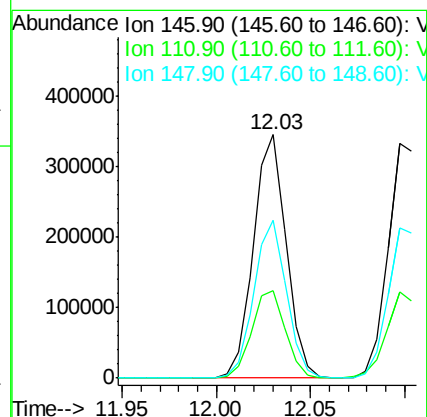
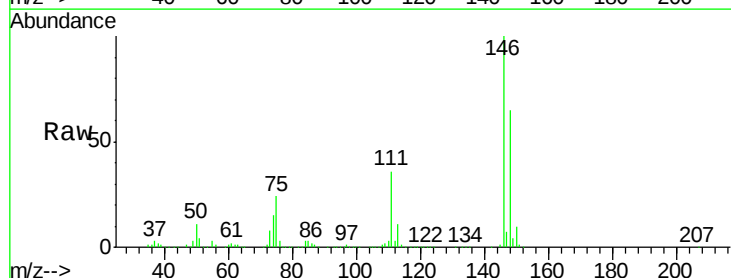
Instrument :
MSVOA_X
ClientSampleId :
LF1-0034MS

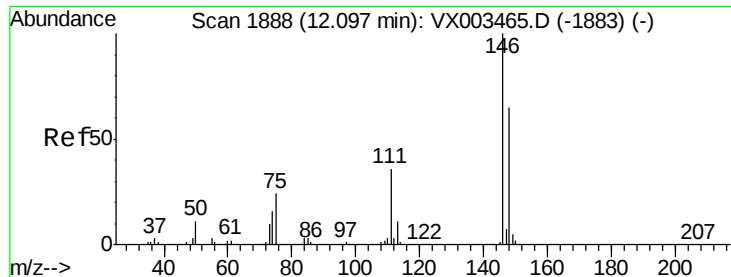
Tot Ion:119 Resp: 732131
Ion Ratio Lower Upper
119 100
134 26.7 13.4 40.1
91 21.7 11.9 35.7



#87
1,3-Dichlorobenzene
Concen: 47.69 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX003513.D
Acq: 20 Jul 2018 16:58

Tgt Ion:146 Resp: 415778
Ion Ratio Lower Upper
146 100
111 37.2 18.9 56.7
148 64.3 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 46.62 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

LF1-0034MS

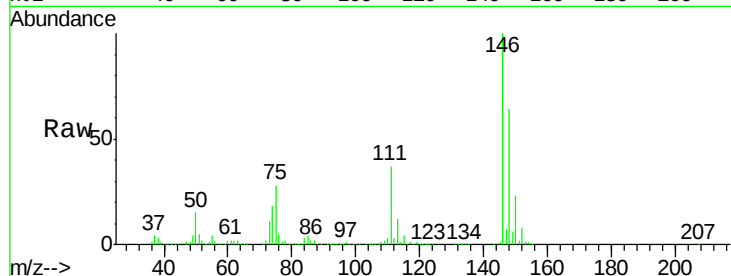
Tot Ion:146 Resp: 418778

Ion Ratio Lower Upper

146 100

111 36.1 18.7 56.1

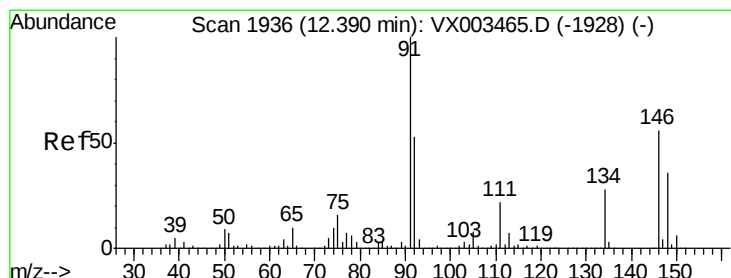
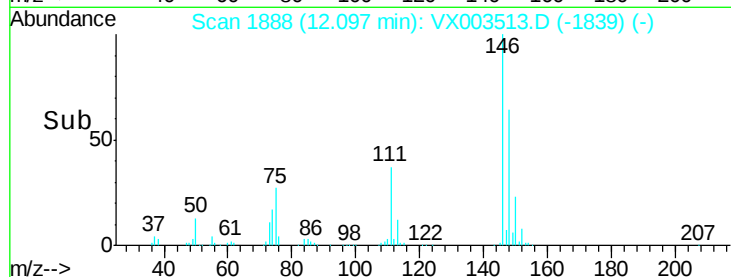
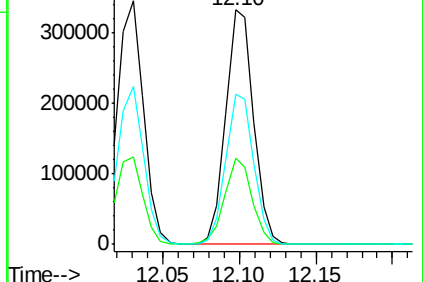
148 64.8 32.4 97.0



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: 49.13 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

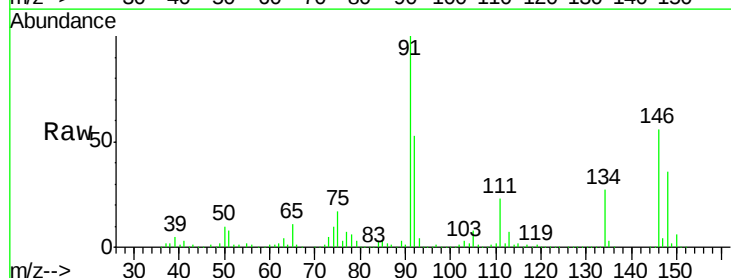
Tgt Ion: 91 Resp: 603597

Ion Ratio Lower Upper

91 100

92 52.9 26.0 78.0

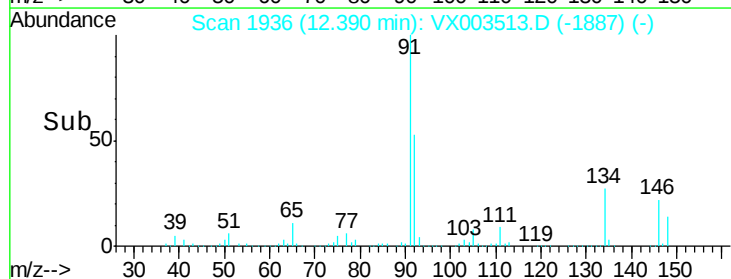
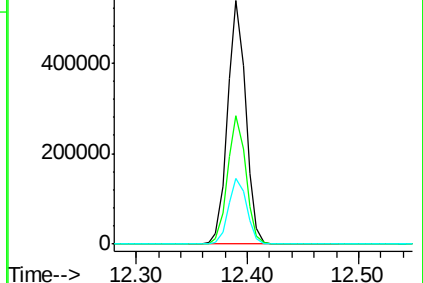
134 27.6 13.5 40.5

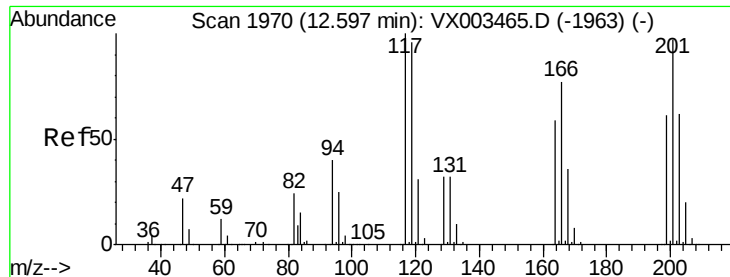


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 50.76 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

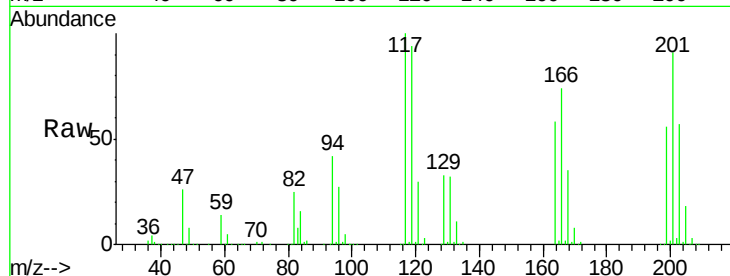
LF1-0034MS

Tot Ion:117 Resp: 104412

Ion Ratio Lower Upper

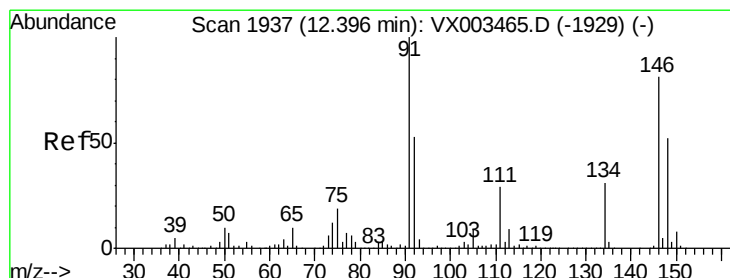
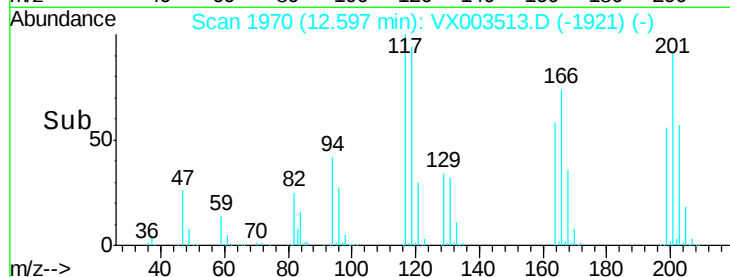
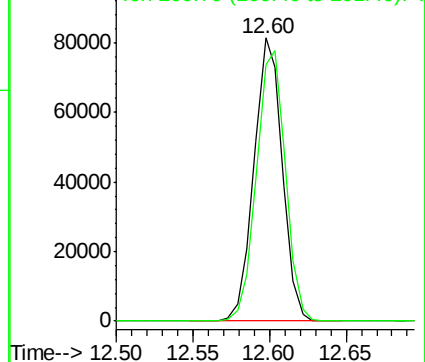
117 100

201 98.1 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.07 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

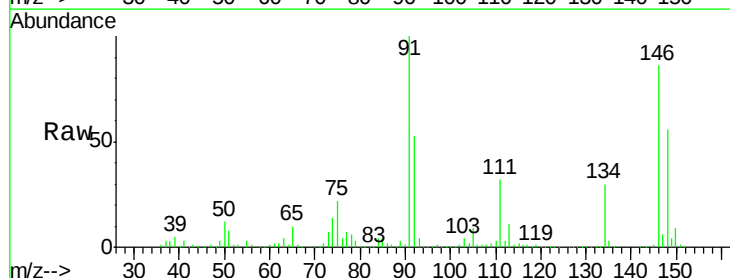
Tgt Ion:146 Resp: 421691

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

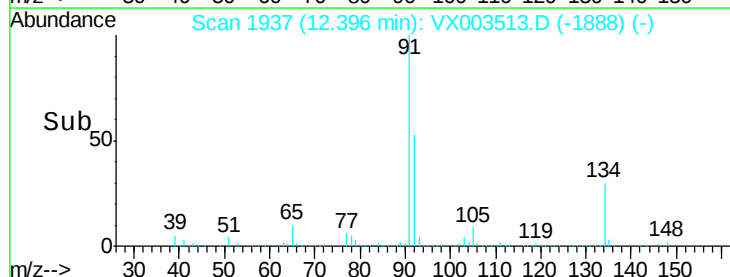
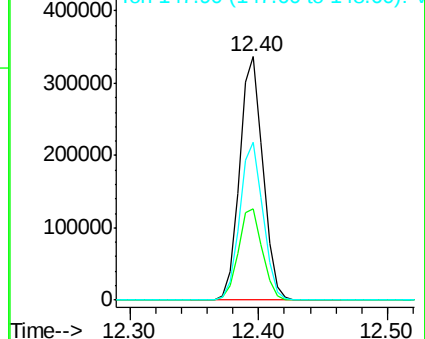
148 64.7 31.7 95.1

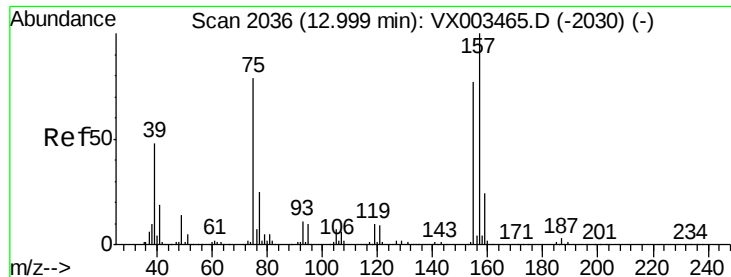


Abundance Ion 145.90 (145.60 to 146.60): V

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: 54.42 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

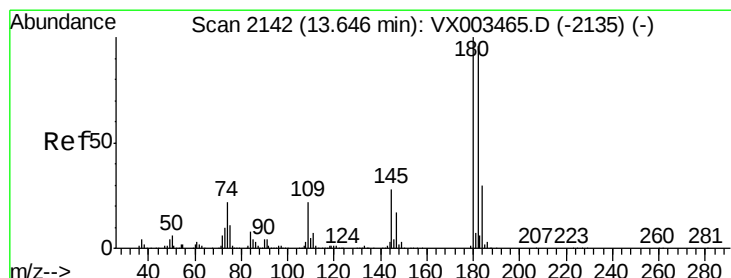
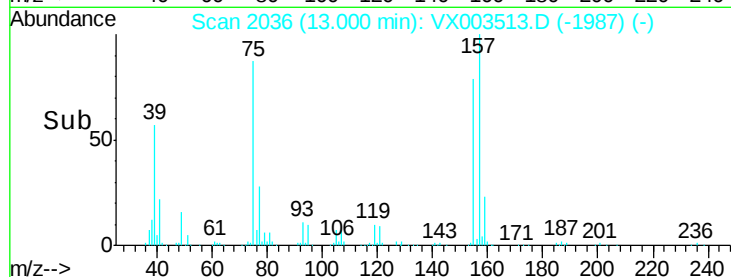
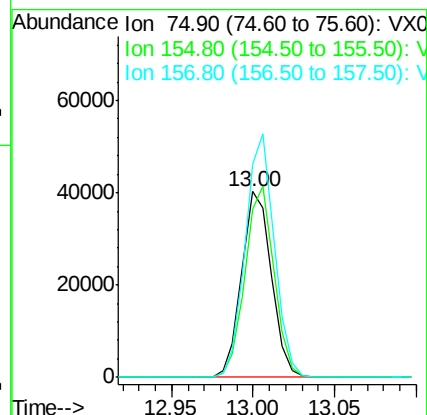
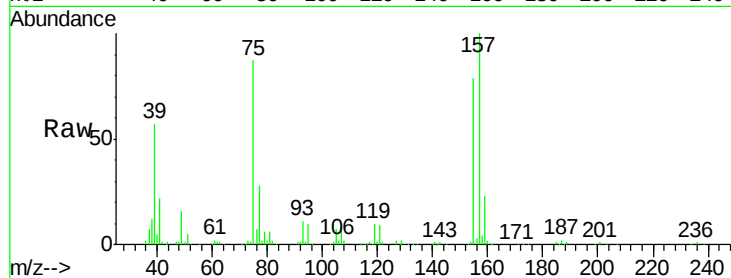
Tot Ion: 75 Resp: 51185

Ion Ratio Lower Upper

75 100

155 100.5 45.8 137.4

157 128.1 60.1 180.3



#93

1,2,4-Trichlorobenzene

Concen: 45.30 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

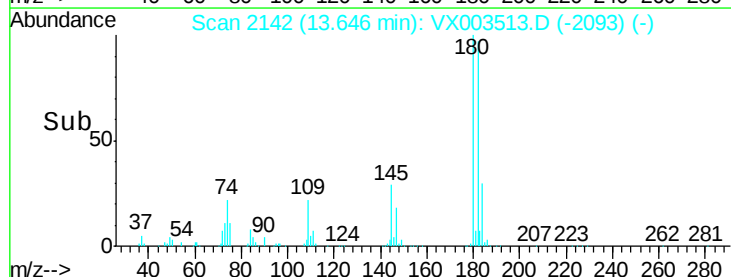
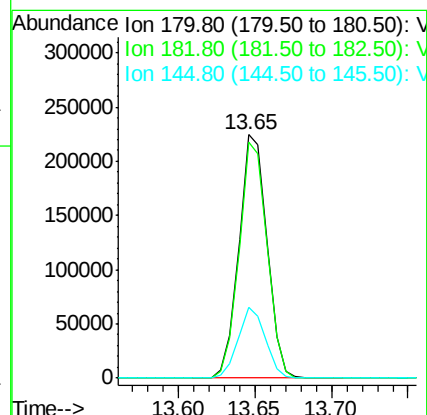
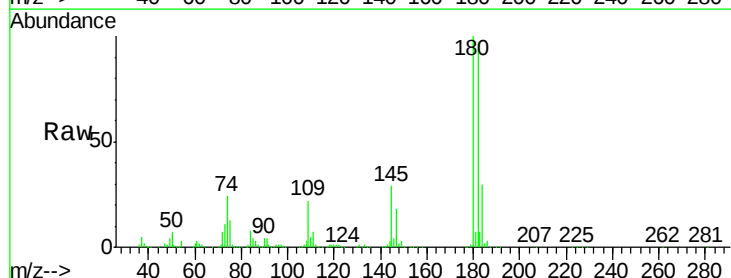
Tgt Ion:180 Resp: 285285

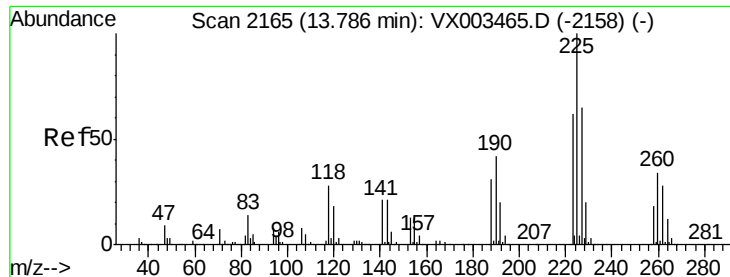
Ion Ratio Lower Upper

180 100

182 96.3 47.7 143.1

145 28.2 14.1 42.4





#94

Hexachlorobutadiene

Concen: 42.97 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

LF1-0034MS

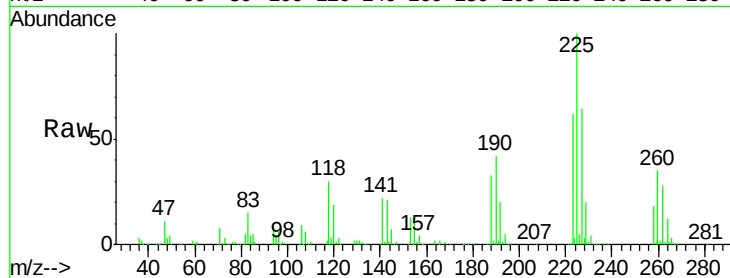
Tot Ion:225 Resp: 130150

Ion Ratio Lower Upper

225 100

223 62.7 31.6 95.0

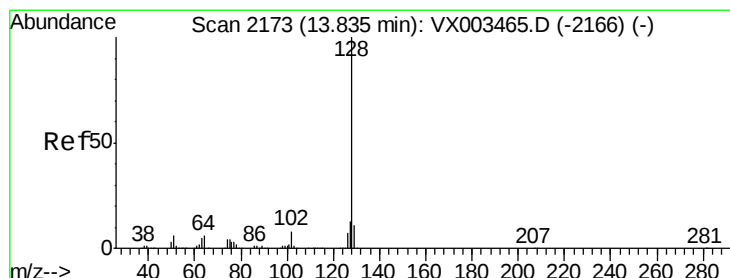
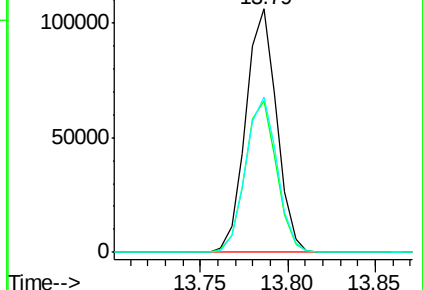
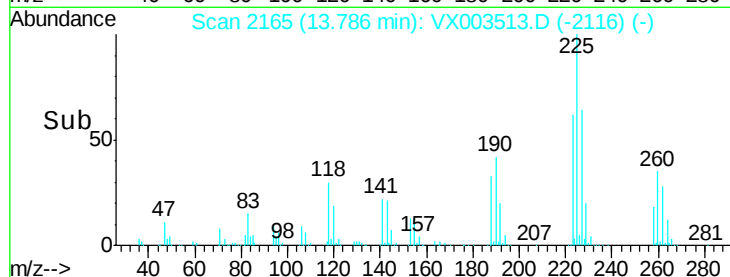
227 64.8 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 51.10 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003513.D

Acq: 20 Jul 2018 16:58

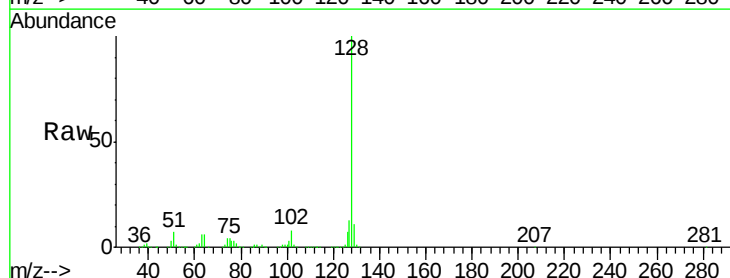
Tgt Ion:128 Resp: 845662

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

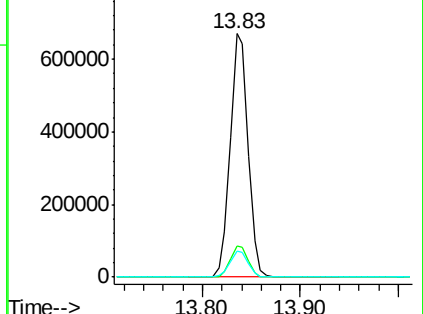
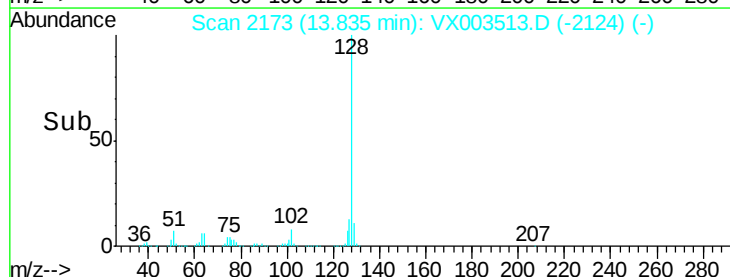
129 10.9 8.6 13.0

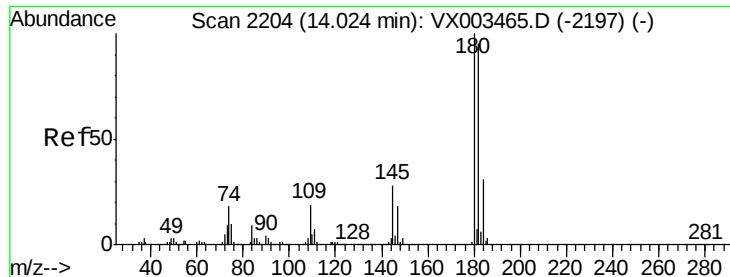


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

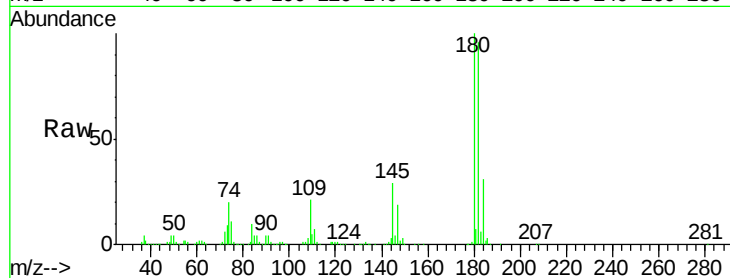




#96
 1,2,3-Trichlorobenzene
 Concen: 46.95 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003513.D
 Acq: 20 Jul 2018 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0034MS

Tot Ion:180 Resp: 292710
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.0 144.0
 145 29.5 14.8 44.3



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

