

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060718\
 Data File : VX002389.D
 Acq On : 07 Jun 2018 20:20
 Operator : JC/MD
 Sample : J3340-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Quant Time: Jun 08 01:48:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	353655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	162768	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	5.51	113	127349	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	
50) Toluene-d8	8.72	98	488127	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	
62) 4-Bromofluorobenzene	11.14	95	187478	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123226	49.34	ug/l	100
3) Chloromethane	1.32	50	136880	47.71	ug/l	99
4) Vinyl Chloride	1.41	62	155115	49.28	ug/l	99
5) Bromomethane	1.64	94	86279	48.33	ug/l	99
6) Chloroethane	1.72	64	103261	50.72	ug/l	99
7) Trichlorofluoromethane	1.93	101	262339	54.71	ug/l	98
8) Diethyl Ether	2.19	74	93790	55.29	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	144024	55.66	ug/l	100
10) Methyl Iodide	2.51	142	151750	41.69	ug/l	99
11) Tert butyl alcohol	3.08	59	196501	281.60	ug/l	98
12) 1,1-Dichloroethene	2.37	96	132193	51.69	ug/l	97
13) Acrolein	2.30	56	68996	200.34	ug/l	100
14) Allyl chloride	2.73	41	260134	46.87	ug/l	98
15) Acrylonitrile	3.15	53	407294	279.73	ug/l	99
16) Acetone	2.45	43	388471	264.01	ug/l	100
17) Carbon Disulfide	2.57	76	312070	46.30	ug/l	100
18) Methyl Acetate	2.78	43	185029	53.98	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	491473	55.45	ug/l	100
20) Methylene Chloride	2.86	84	147606	54.60	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	140118	49.68	ug/l	98
22) Diisopropyl ether	3.87	45	458674	49.45	ug/l	94
23) Vinyl Acetate	3.83	43	1881979	209.18	ug/l	100
24) 1,1-Dichloroethane	3.70	63	235949	43.01	ug/l	100
25) 2-Butanone	4.71	43	530859	225.38	ug/l	100
26) 2,2-Dichloropropane	4.59	77	167642	39.10	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	141040	45.99	ug/l	94
28) Bromochloromethane	5.03	49	122825	52.85	ug/l	98
29) Tetrahydrofuran	5.17	42	345734	227.66	ug/l	98
30) Chloroform	5.22	83	248315	46.91	ug/l	98
31) Cyclohexane	5.58	56	212823	49.07	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	219430	48.88	ug/l	100
36) 1,1-Dichloropropene	5.81	75	179749	48.35	ug/l	99
37) Ethyl Acetate	4.87	43	198471	44.39	ug/l	100
38) Carbon Tetrachloride	5.79	117	191752	49.30	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060718\
 Data File : VX002389.D
 Acq On : 07 Jun 2018 20:20
 Operator : JC/MD
 Sample : J3340-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Quant Time: Jun 08 01:48:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	214539	46.72	ug/l	99
40) Benzene	6.15	78	544118	47.73	ug/l	99
41) Methacrylonitrile	5.07	41	118374	46.25	ug/l	98
42) 1,2-Dichloroethane	6.20	62	212829	46.99	ug/l	100
43) Isopropyl Acetate	6.47	43	339169	44.66	ug/l	100
44) Trichloroethene	7.22	130	152825	48.30	ug/l	98
45) 1,2-Dichloropropane	7.52	63	142962	46.45	ug/l	100
46) Dibromomethane	7.67	93	96800	46.40	ug/l	99
47) Bromodichloromethane	7.90	83	180130	47.74	ug/l	98
48) Methyl methacrylate	7.78	41	179429	47.04	ug/l	100
49) 1,4-Dioxane	7.76	88	72370	1014.63	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1144149	241.92	ug/l	100
52) Toluene	8.79	92	354817	48.94	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	208941	46.18	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	197562	46.28	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143945	48.27	ug/l	99
56) Ethyl methacrylate	9.18	69	226047	47.48	ug/l	99
57) 1,3-Dichloropropane	9.38	76	236700	47.31	ug/l	99
59) 2-Hexanone	9.50	43	873884	239.22	ug/l	99
60) Dibromochloromethane	9.59	129	148031	49.35	ug/l	99
61) 1,2-Dibromoethane	9.68	107	150052	48.26	ug/l	97
64) Tetrachloroethene	9.34	164	165834	47.46	ug/l	98
65) Chlorobenzene	10.14	112	407535	48.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	150442	49.29	ug/l	99
67) Ethyl Benzene	10.26	91	702954	49.83	ug/l	99
68) m/p-Xylenes	10.37	106	547707	99.87	ug/l	98
69) o-Xylene	10.70	106	269573	49.39	ug/l	99
70) Stvrene	10.71	104	448009	50.22	ug/l	99
71) Bromoform	10.86	173	115752	42.87	ug/l	100
73) Isopropylbenzene	11.02	105	729188	48.45	ug/l	100
74) N-amyl acetate	6.47	43	339169	41.82	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	220435	46.57	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	250817	52.83	ug/l	79
77) Bromobenzene	11.26	156	199381	47.19	ug/l	98
78) n-propylbenzene	11.37	91	832419	49.76	ug/l	100
79) 2-Chlorotoluene	11.43	91	490952	46.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	624238	48.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	55532	41.00	ug/l	97
82) 4-Chlorotoluene	11.51	91	581296	47.68	ug/l	99
83) tert-Butylbenzene	11.77	119	617928	49.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	638205	48.03	ug/l	99
85) sec-Butylbenzene	11.95	105	748020	50.76	ug/l	99
86) p-Isopropyltoluene	12.07	119	677135	50.44	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	361139	47.80	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	366877	47.11	ug/l	99
89) n-Butylbenzene	12.39	91	577832	51.33	ug/l	100
90) Hexachloroethane	12.60	117	100958	47.12	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	371414	47.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49762	48.07	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	266111	48.55	ug/l	99

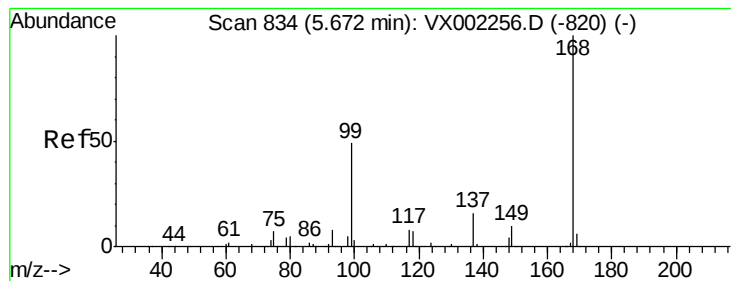
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060718\
Data File : VX002389.D
Acq On : 07 Jun 2018 20:20
Operator : JC/MD
Sample : J3340-03MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Quant Time: Jun 08 01:48:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	141182	52.13	ug/l	98
95) Naphthalene	13.84	128	778217	49.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	273656	48.96	ug/l	99

(#) = 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. -0.01 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

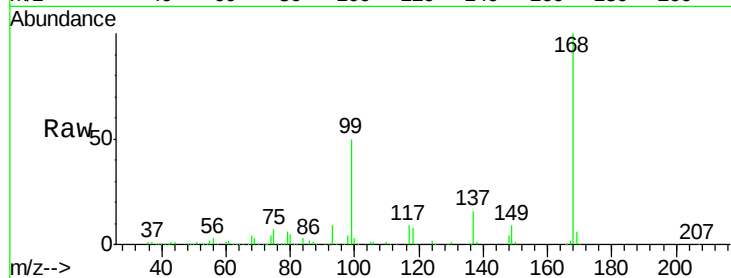
LF5-0064MSD

Tot Ion:168 Resp: 240229

Ion Ratio Lower Upper

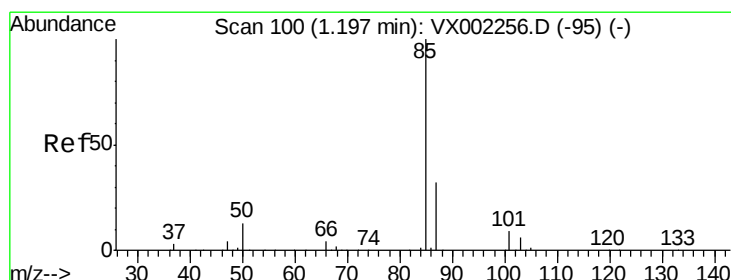
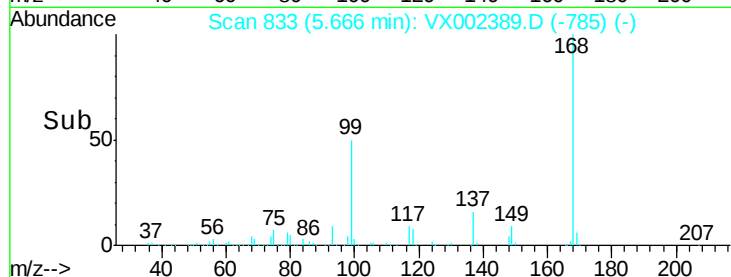
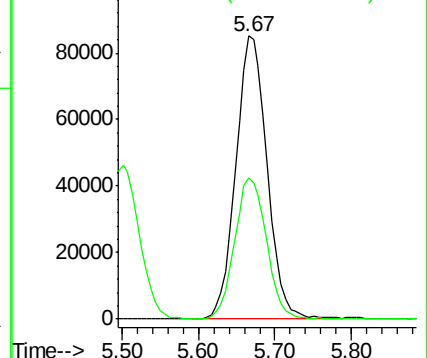
168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.34 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002389.D

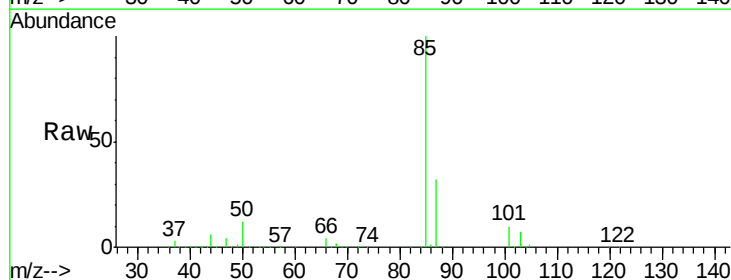
Acq: 07 Jun 2018 20:20

Tgt Ion: 85 Resp: 123226

Ion Ratio Lower Upper

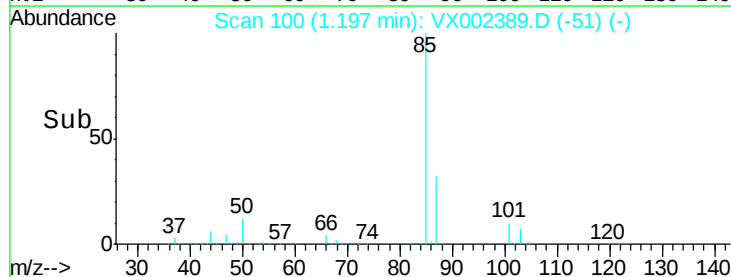
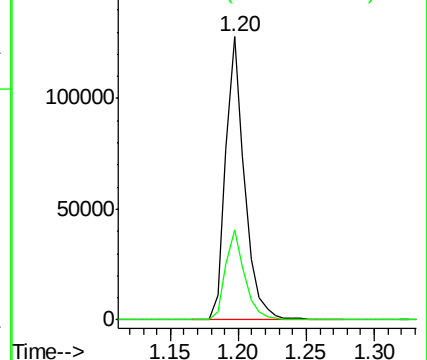
85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

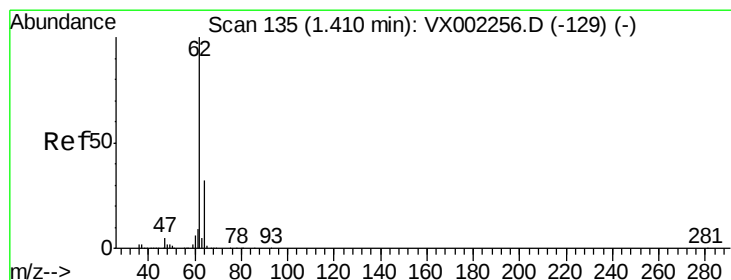
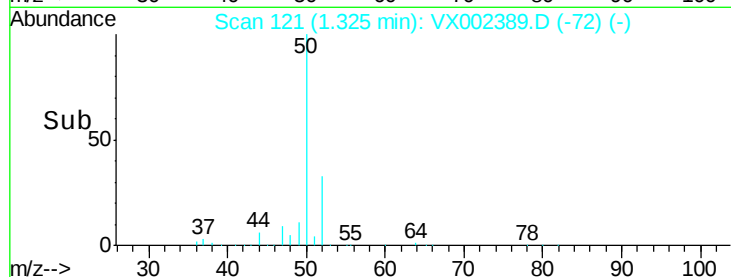
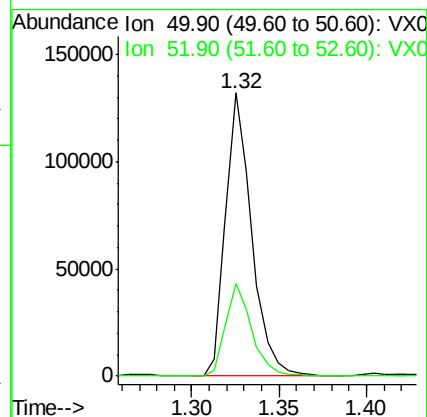
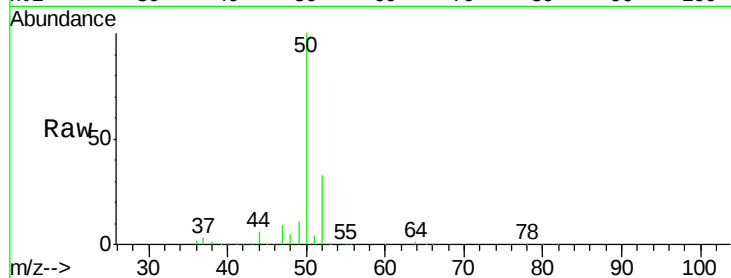
LF5-0064MSD

Tot Ion: 50 Resp: 136880

Ion Ratio Lower Upper

50 100

52 32.8 25.7 38.5



#4

Vinyl Chloride

Concen: 49.28 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002389.D

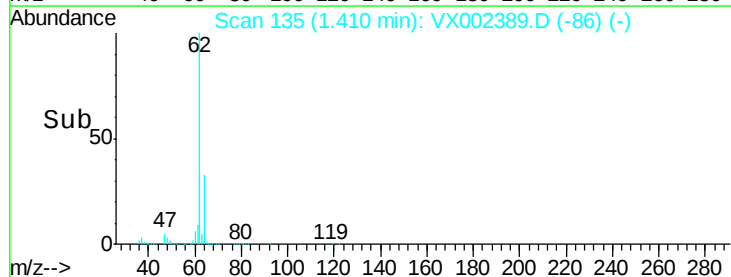
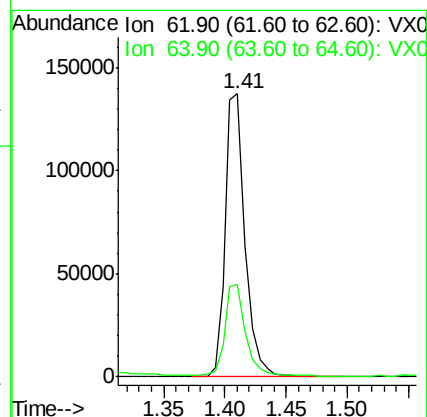
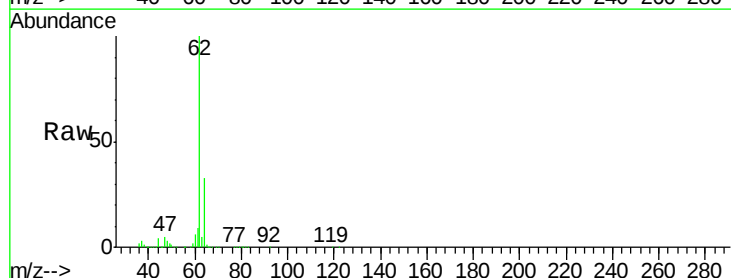
Acq: 07 Jun 2018 20:20

Tgt Ion: 62 Resp: 155115

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 48.33 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

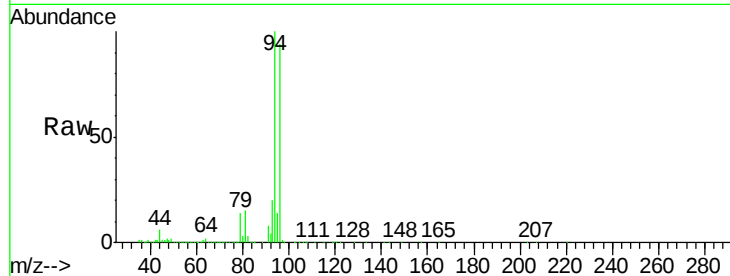
LF5-0064MSD

Tot Ion: 94 Resp: 86279

Ion Ratio Lower Upper

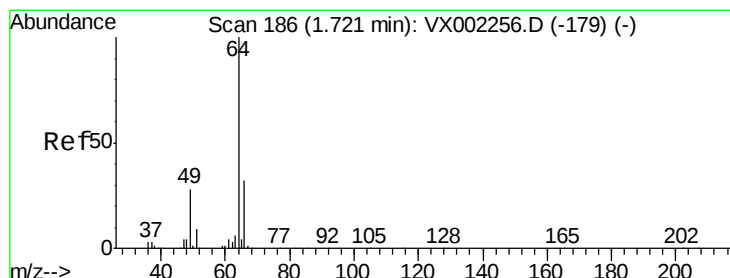
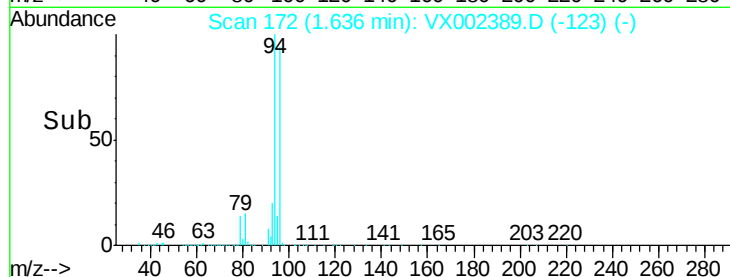
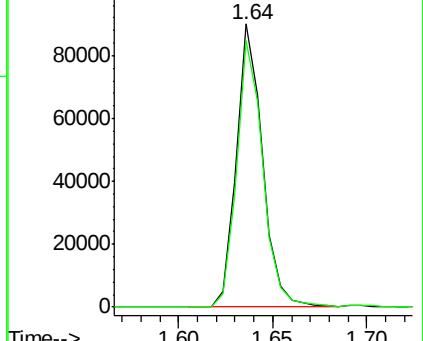
94 100

96 94.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.72 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002389.D

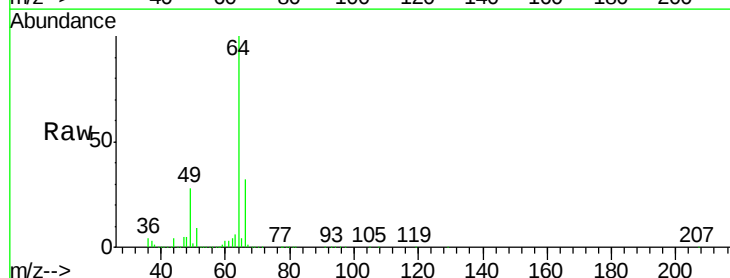
Acq: 07 Jun 2018 20:20

Tgt Ion: 64 Resp: 103261

Ion Ratio Lower Upper

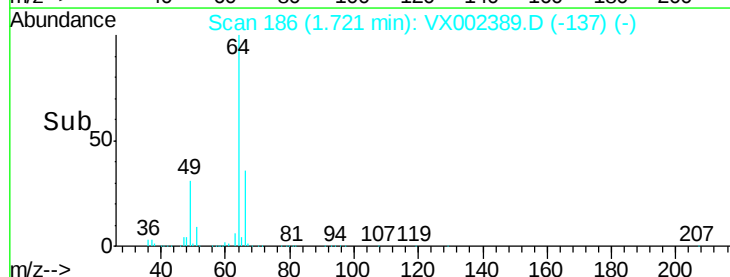
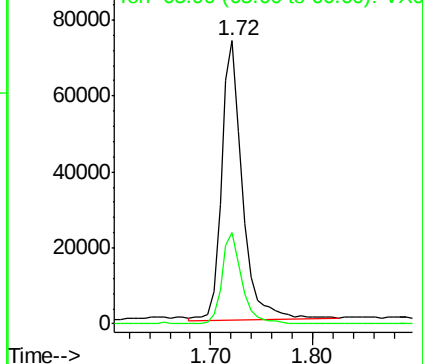
64 100

66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



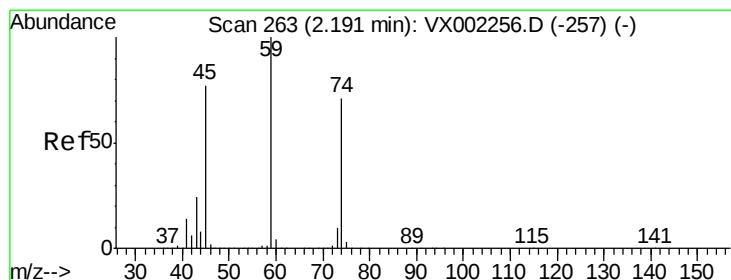
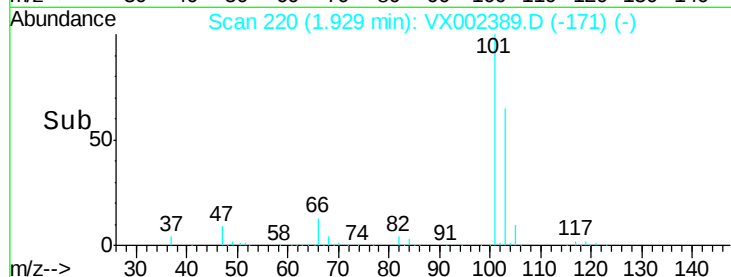
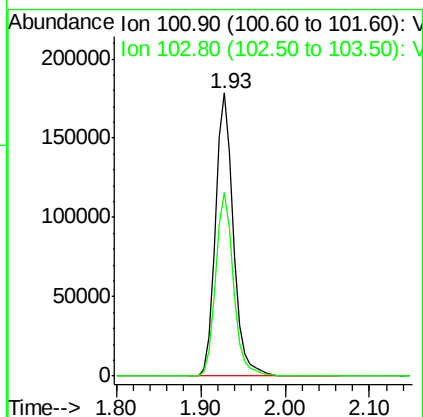
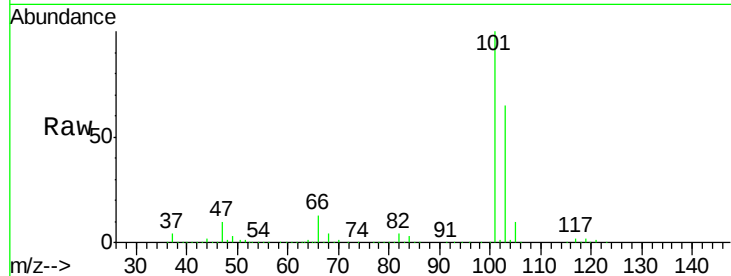


#7

Trichlorofluoromethane
Concen: 54.71 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

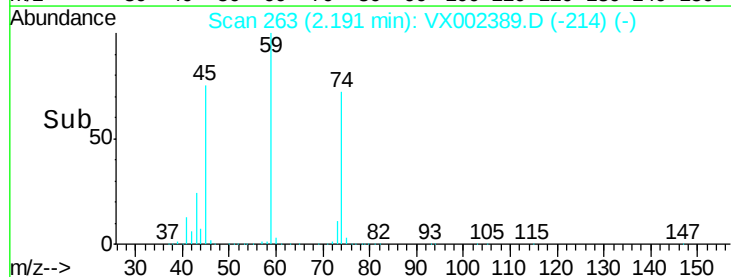
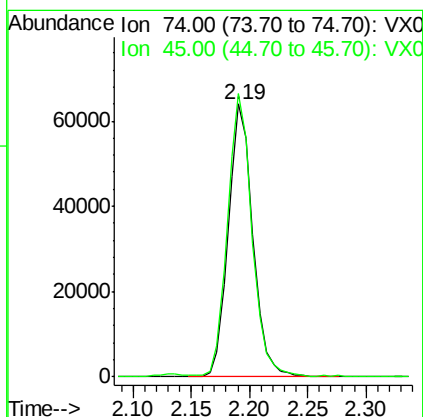
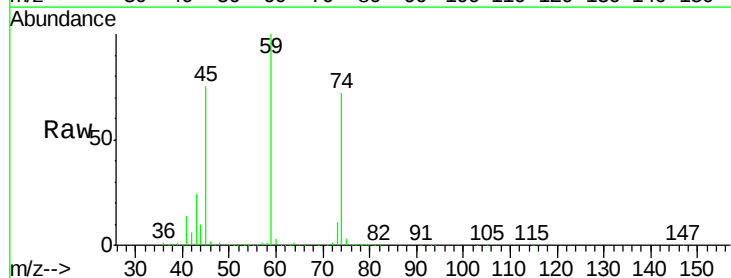
Tot Ion:101 Resp: 262339
Ion Ratio Lower Upper
101 100
103 64.7 52.8 79.2

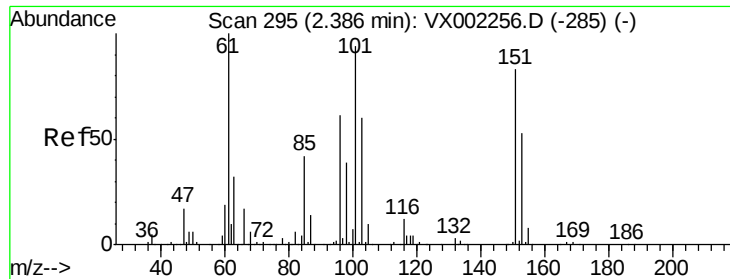


#8

Diethyl Ether
Concen: 55.29 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 74 Resp: 93790
Ion Ratio Lower Upper
74 100
45 102.0 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

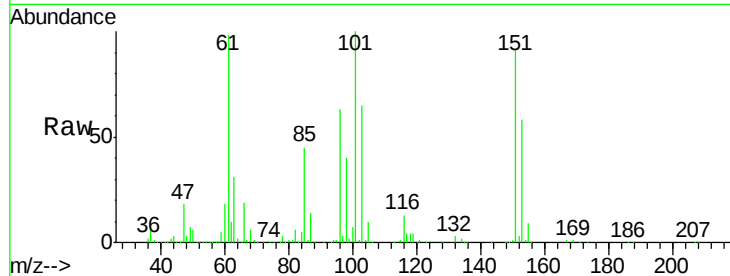
Tot Ion:101 Resp: 144024

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

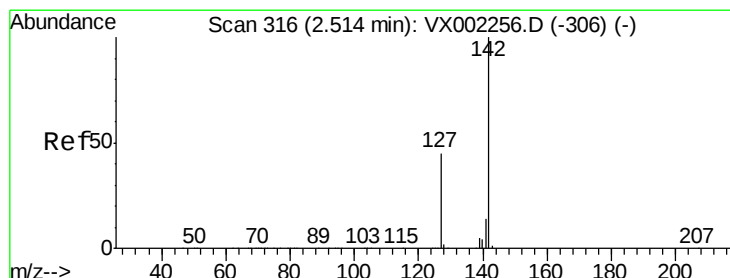
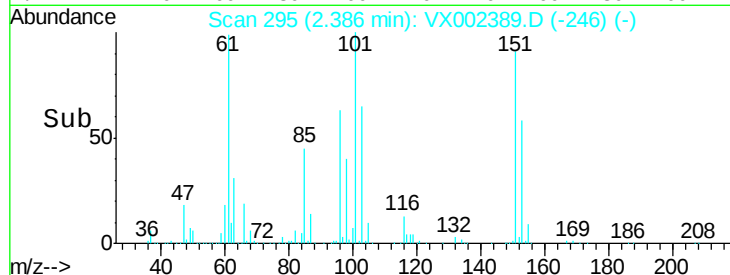
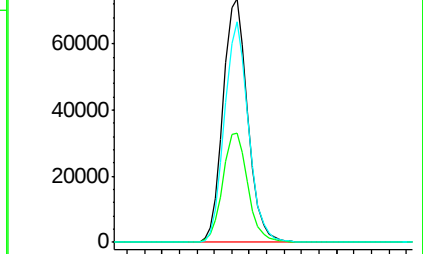
151 88.5 70.9 106.3



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: 41.69 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

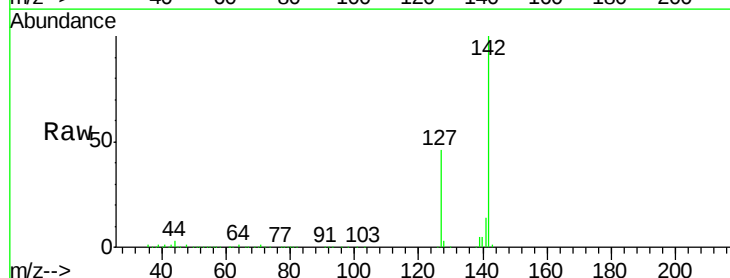
Tgt Ion:142 Resp: 151750

Ion Ratio Lower Upper

142 100

127 46.8 36.6 55.0

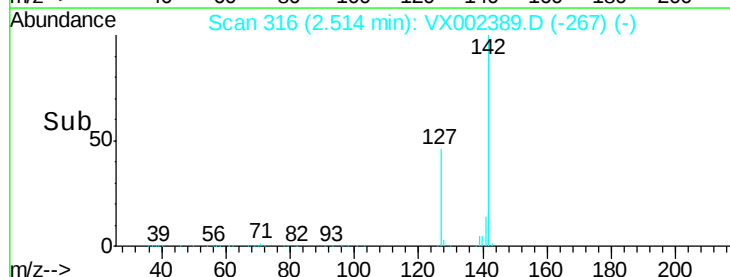
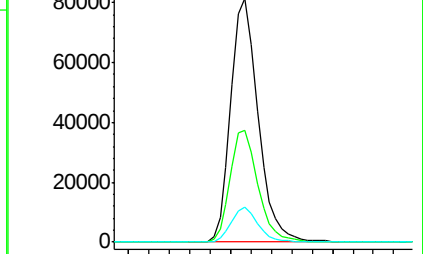
141 14.1 11.3 16.9

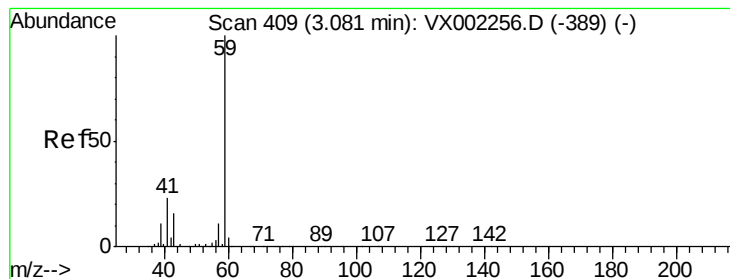


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 281.60 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

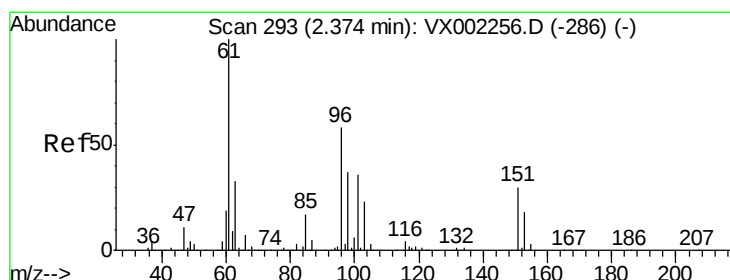
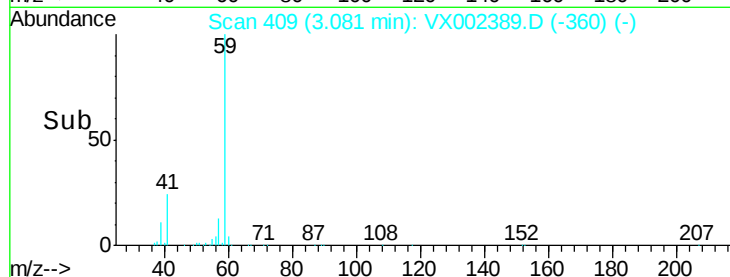
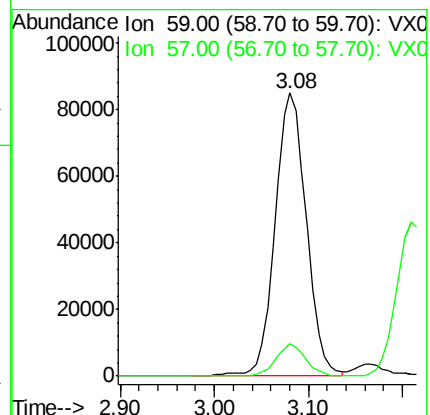
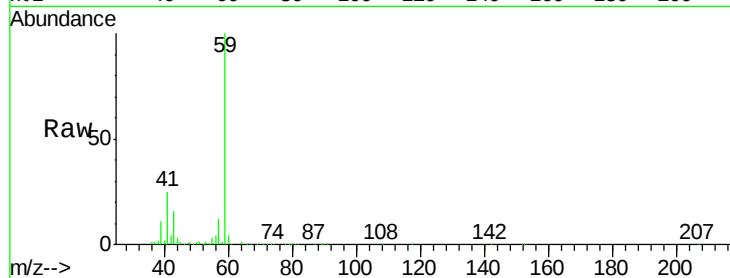
LF5-0064MSD

Tot Ion: 59 Resp: 196501

Ion Ratio Lower Upper

59 100

57 10.9 8.2 12.2



#12

1,1-Dichloroethene

Concen: 51.69 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

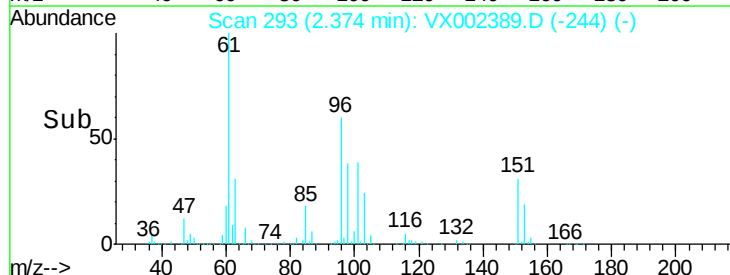
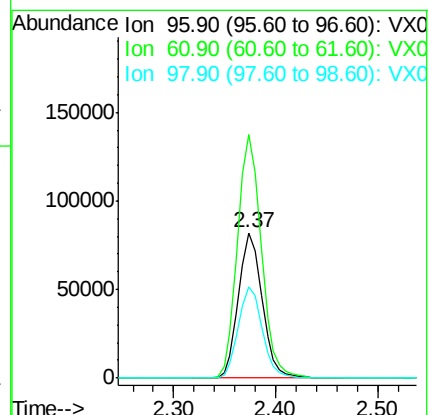
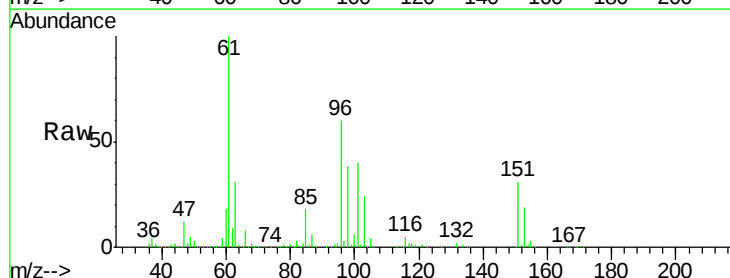
Tgt Ion: 96 Resp: 132193

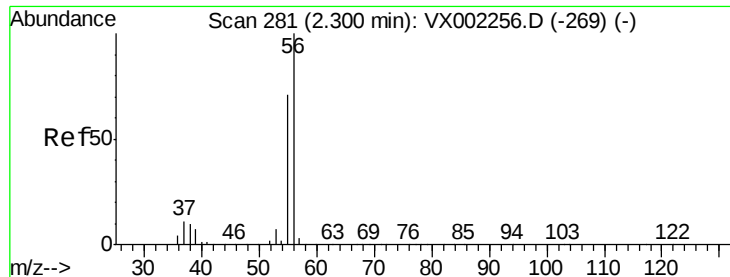
Ion Ratio Lower Upper

96 100

61 167.8 137.9 206.9

98 63.2 51.6 77.4





#13

Acrolein

Concen: 200.34 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

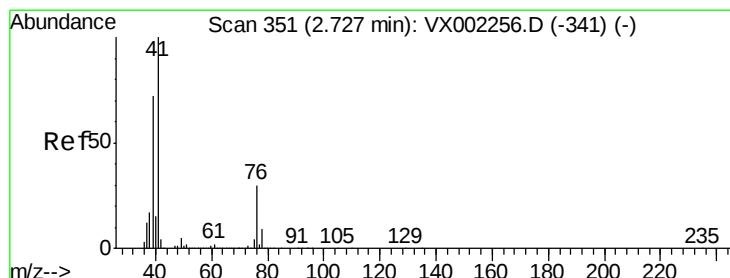
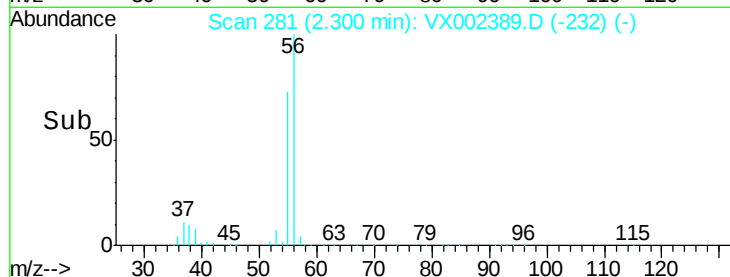
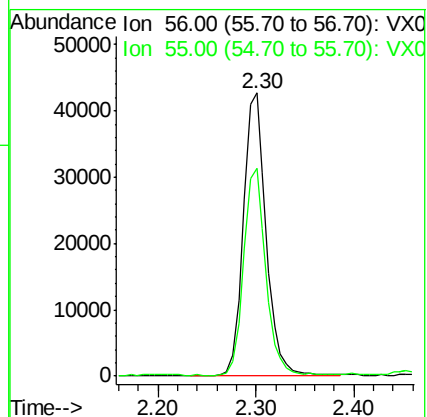
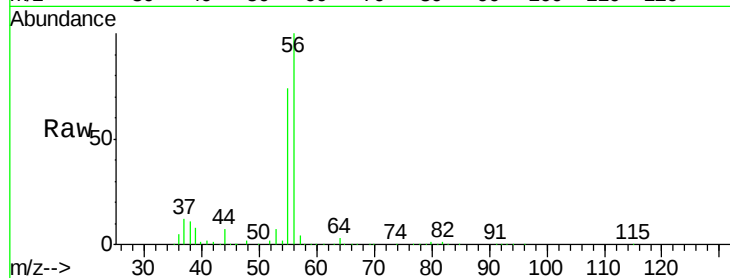
LF5-0064MSD

Tot Ion: 56 Resp: 68996

Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.4



#14

Allyl chloride

Concen: 46.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

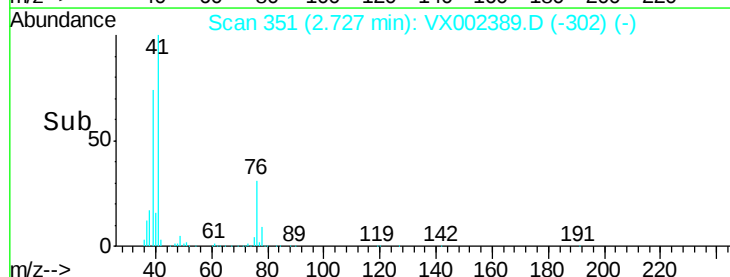
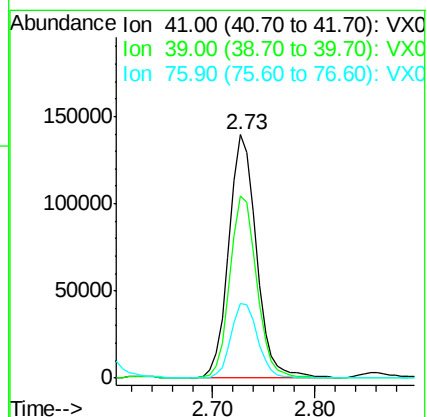
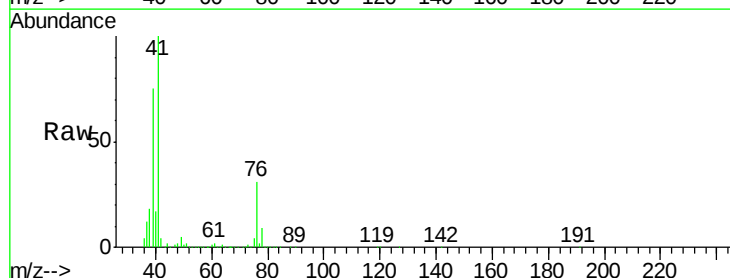
Tgt Ion: 41 Resp: 260134

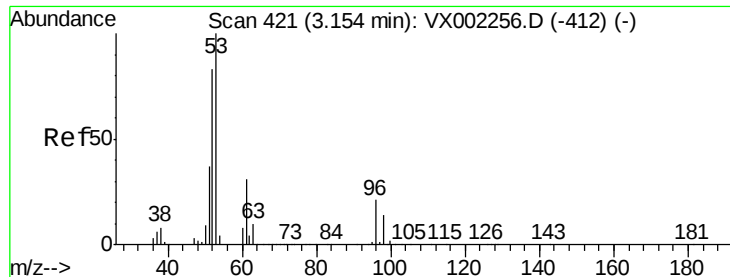
Ion Ratio Lower Upper

41 100

39 72.7 56.8 85.2

76 30.0 23.8 35.8





#15

Acrylonitrile

Concen: 279.73 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MSD

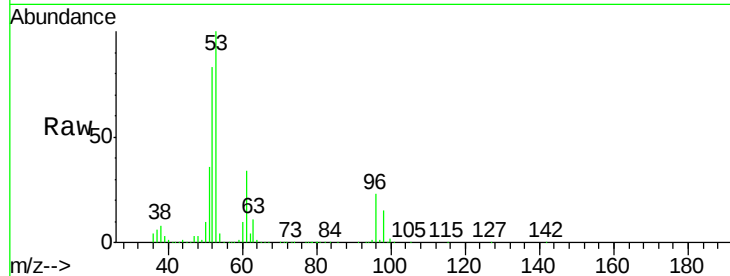
Tot Ion: 53 Resp: 407294

Ion Ratio Lower Upper

53 100

52 82.7 66.7 100.1

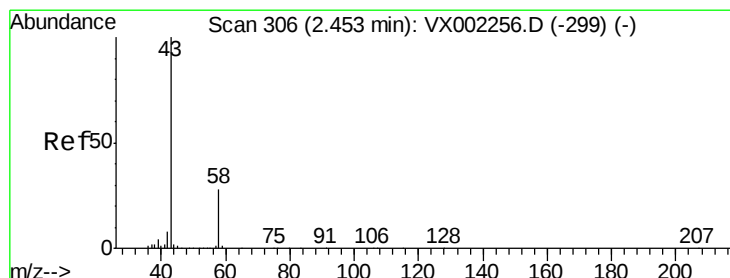
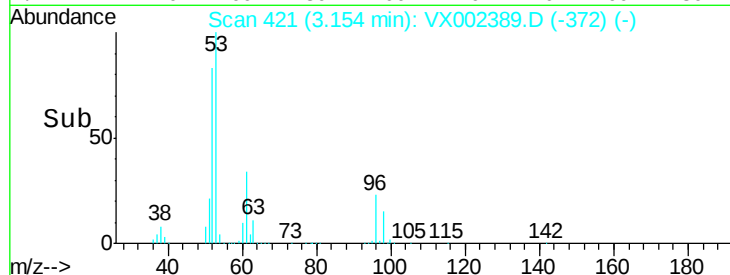
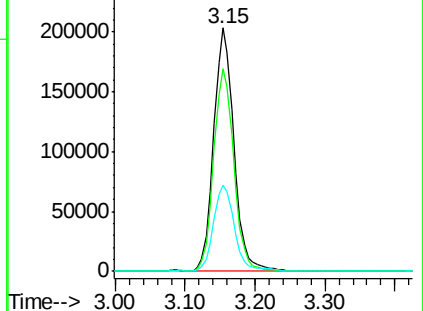
51 36.8 29.9 44.9



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: 264.01 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002389.D

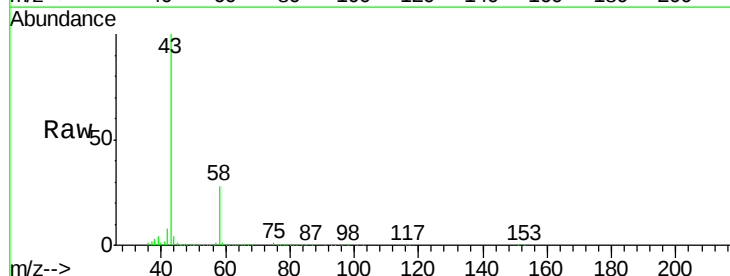
Acq: 07 Jun 2018 20:20

Tgt Ion: 43 Resp: 388471

Ion Ratio Lower Upper

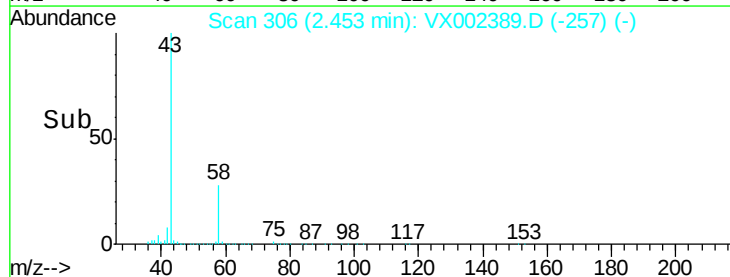
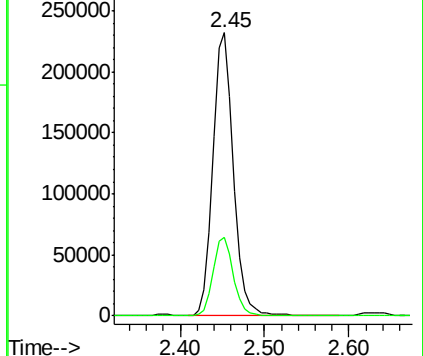
43 100

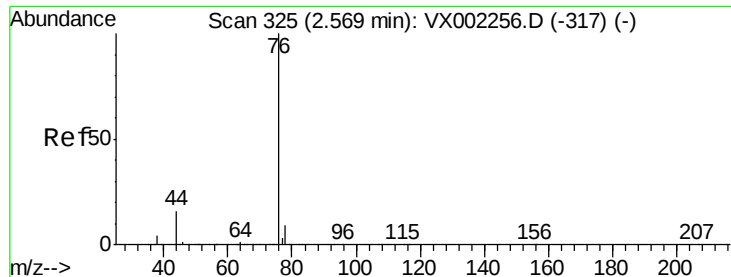
58 27.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

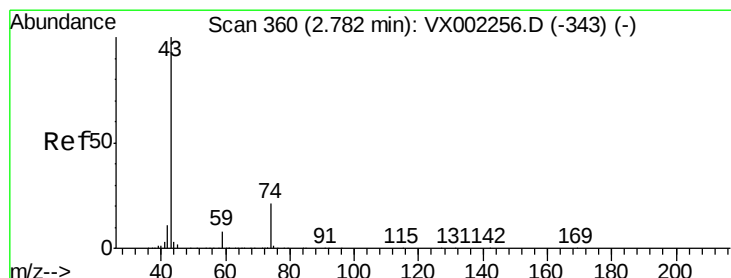
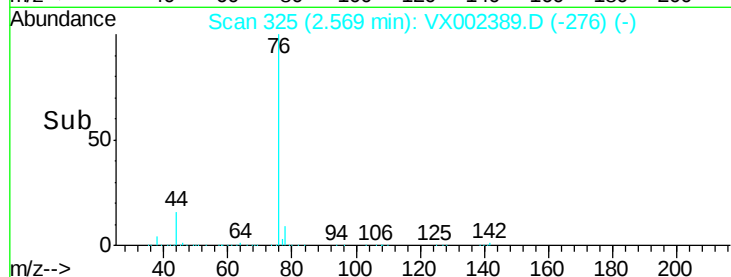
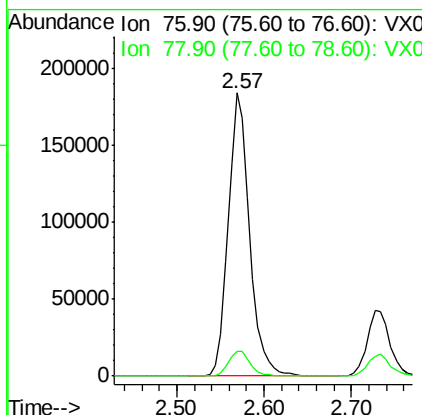
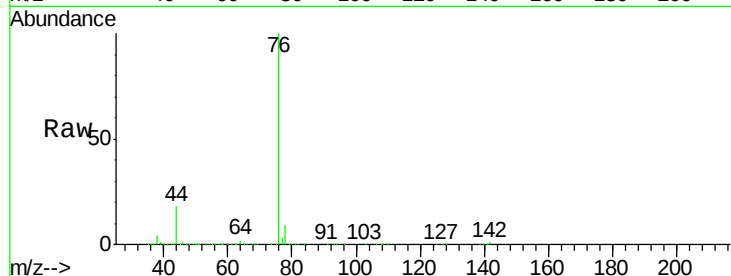




#17
Carbon Disulfide
Concen: 46.30 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

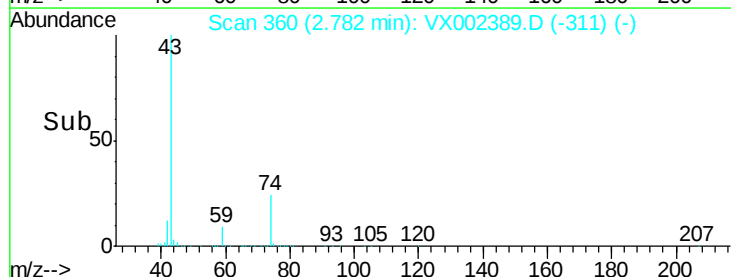
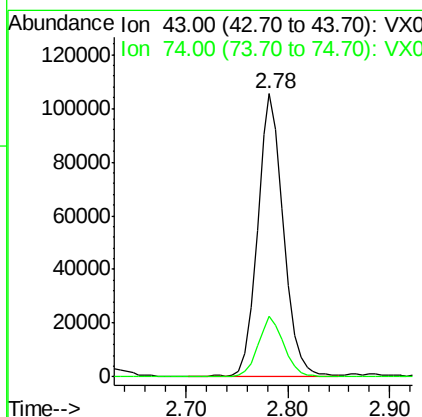
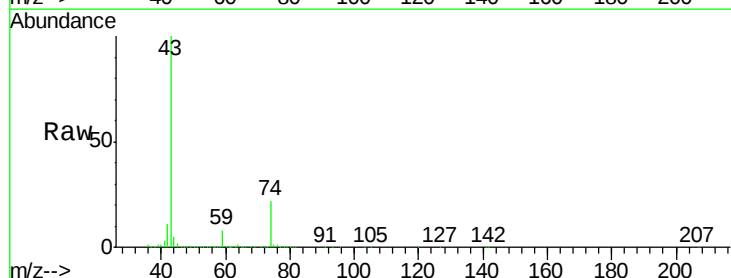
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

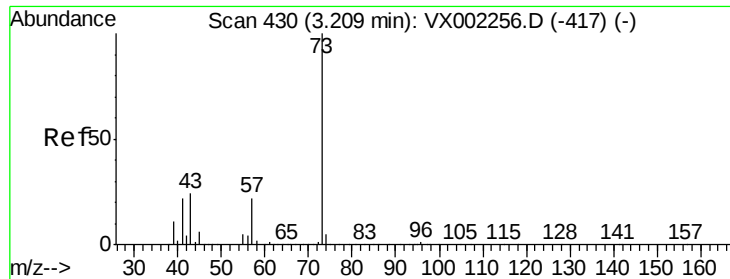
Tot Ion: 76 Resp: 312070
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3



#18
Methyl Acetate
Concen: 53.98 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 43 Resp: 185029
Ion Ratio Lower Upper
43 100
74 20.8 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 55.45 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

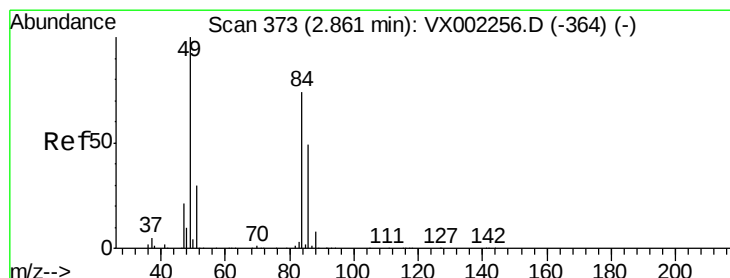
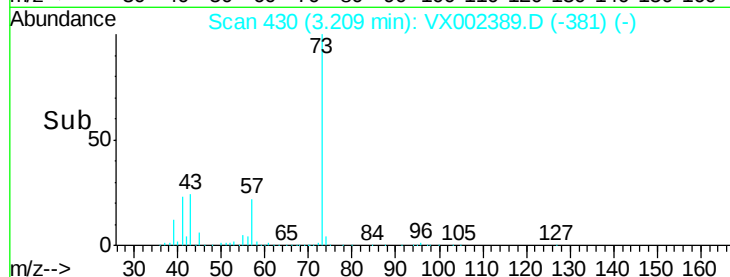
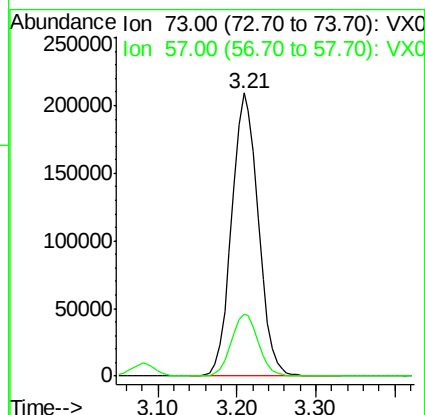
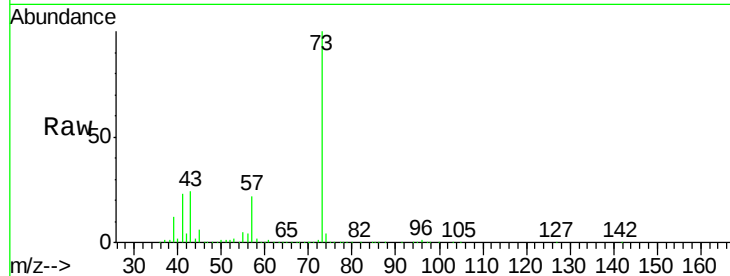
LF5-0064MSD

Tot Ion: 73 Resp: 491473

Ion Ratio Lower Upper

73 100

57 22.0 17.7 26.5



#20

Methylene Chloride

Concen: 54.60 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion: 84 Resp: 147606

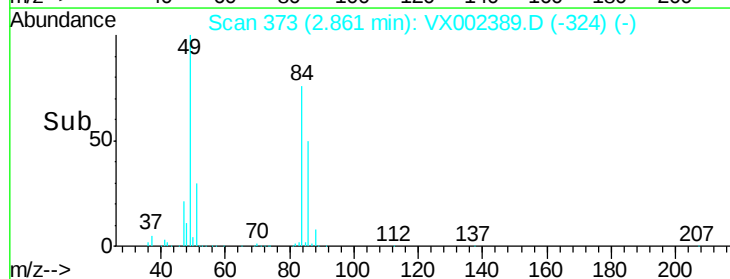
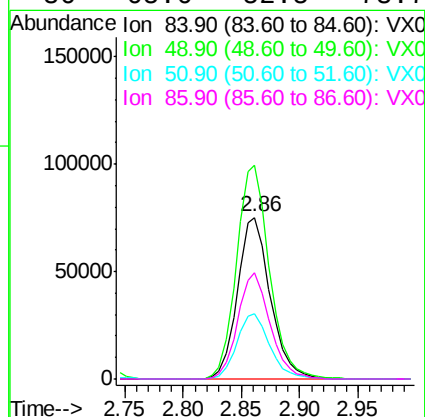
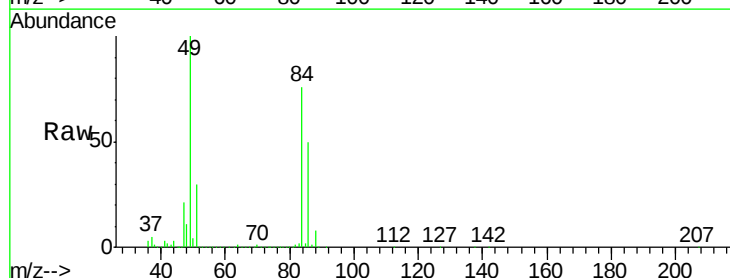
Ion Ratio Lower Upper

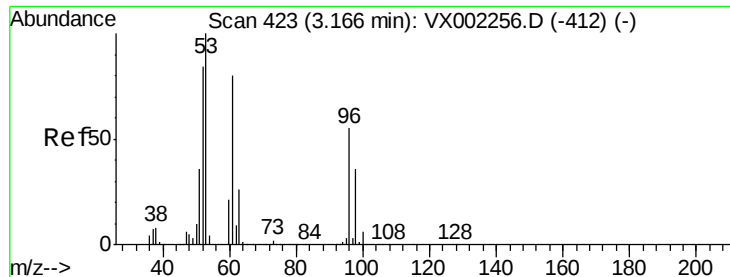
84 100

49 132.2 107.8 161.6

51 39.9 32.8 49.2

86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.68 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

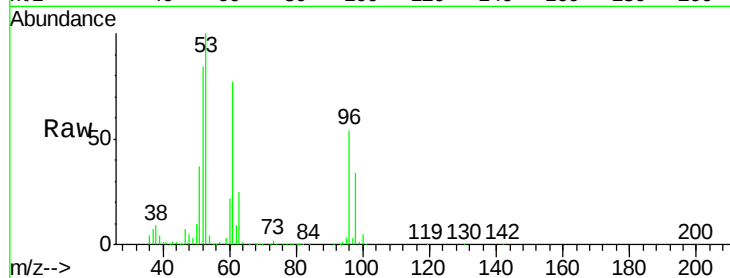
Tot Ion: 96 Resp: 140118

Ion Ratio Lower Upper

96 100

61 143.0 117.0 175.4

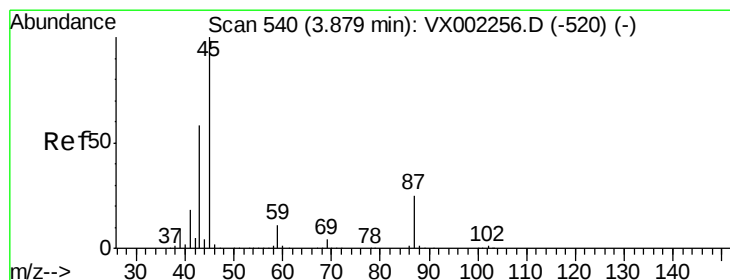
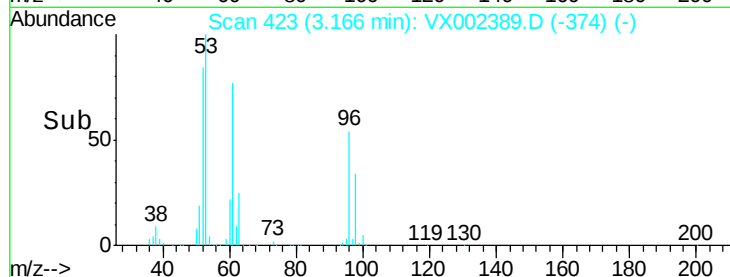
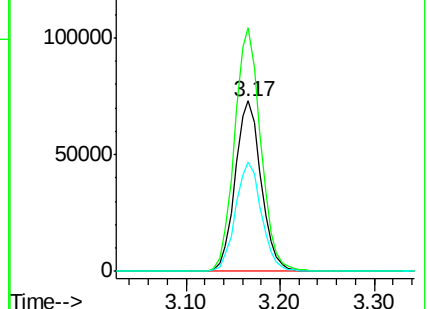
98 63.9 52.4 78.6



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: 49.45 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Tgt Ion: 45 Resp: 458674

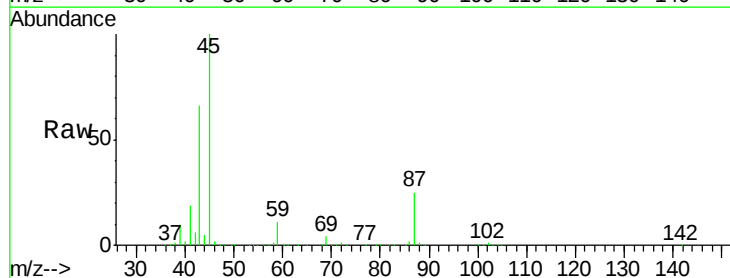
Ion Ratio Lower Upper

45 100

43 65.5 46.8 70.2

87 25.2 20.2 30.4

59 11.0 8.7 13.1

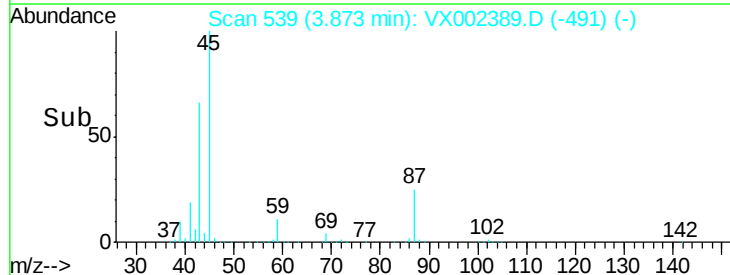
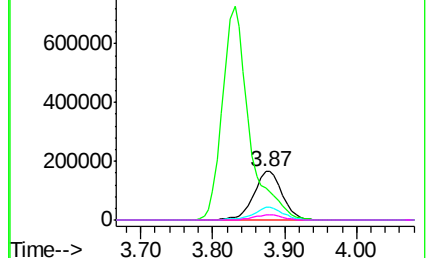


Abundance Ion 45.00 (44.70 to 45.70): VX0

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

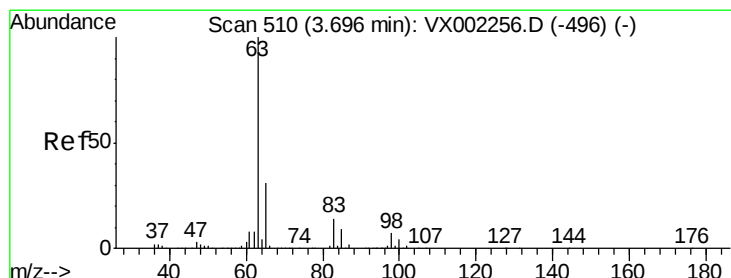
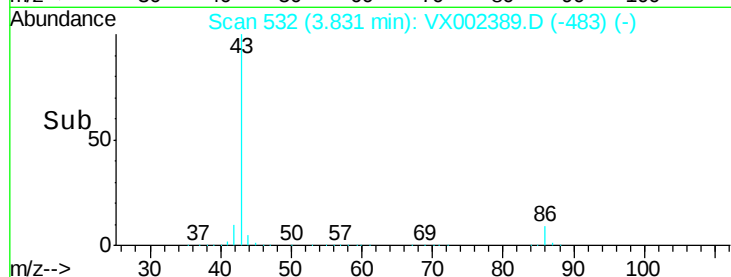
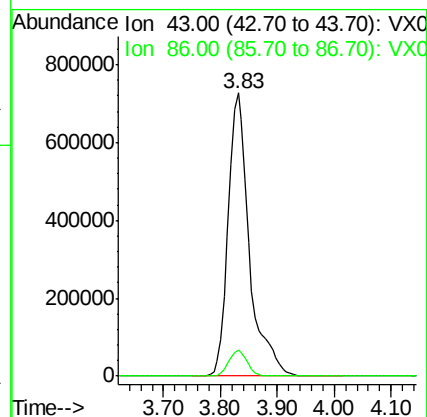
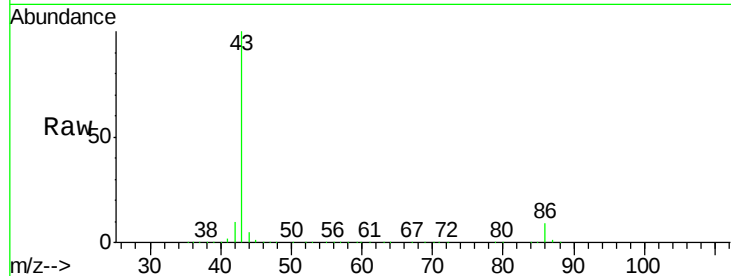




#23
 Vinyl Acetate
 Concen: 209.18 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

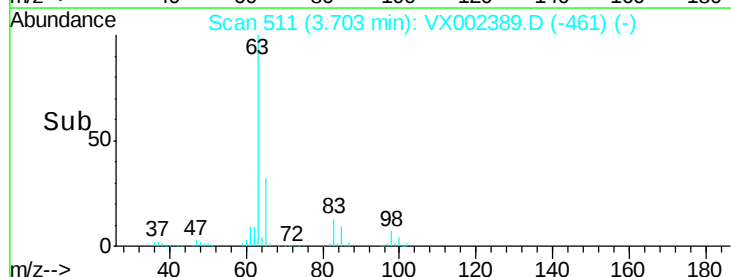
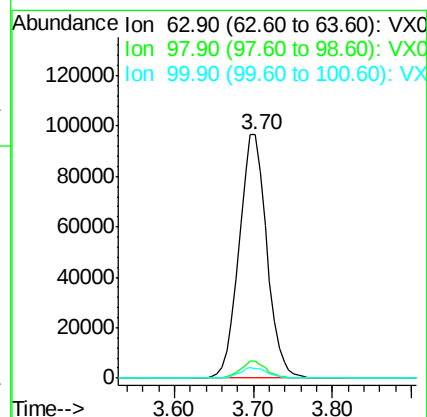
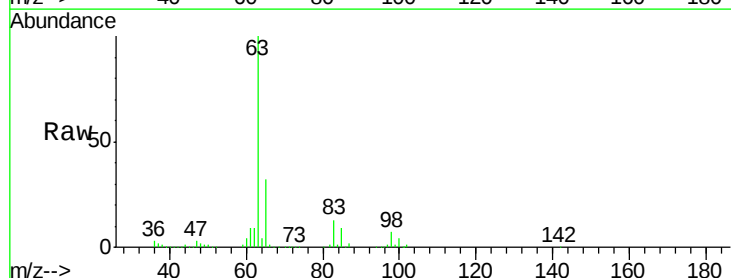
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

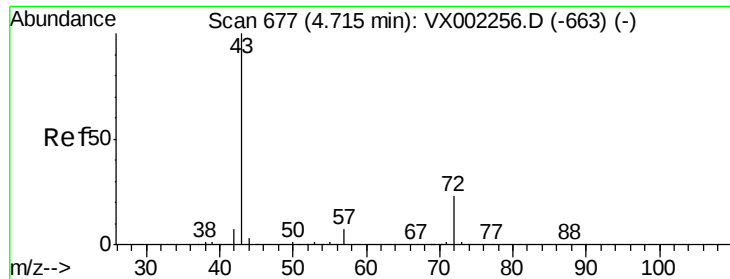
Tot Ion: 43 Resp: 1881979
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 43.01 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 63 Resp: 235949
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 225.38 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

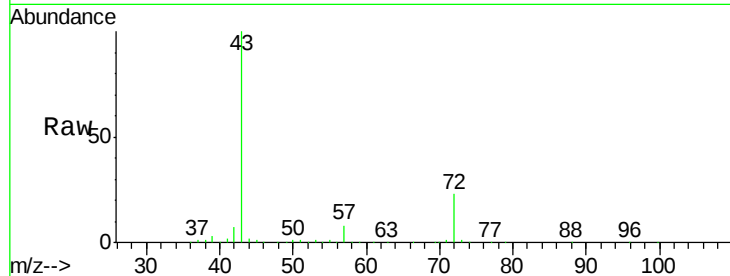
LF5-0064MSD

Tot Ion: 43 Resp: 530859

Ion Ratio Lower Upper

43 100

72 23.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

200000

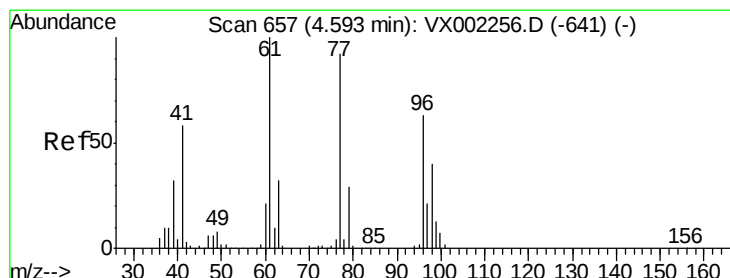
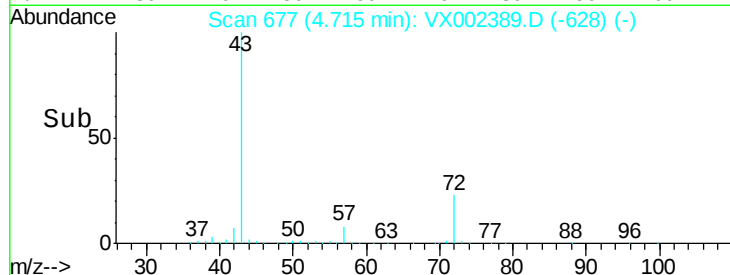
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 39.10 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX002389.D

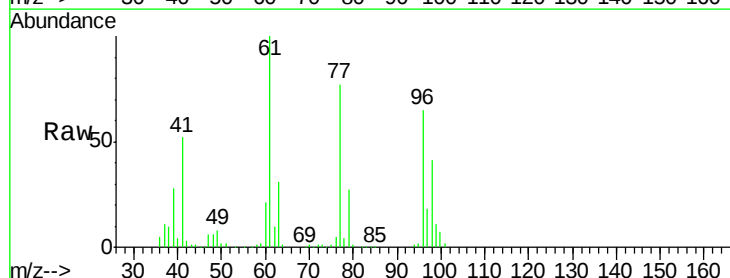
Acq: 07 Jun 2018 20:20

Tgt Ion: 77 Resp: 167642

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

60000

50000

40000

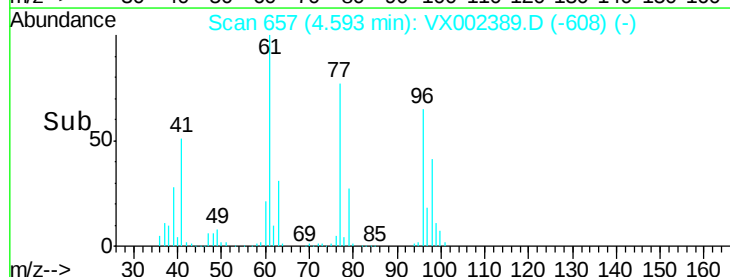
30000

20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 45.99 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

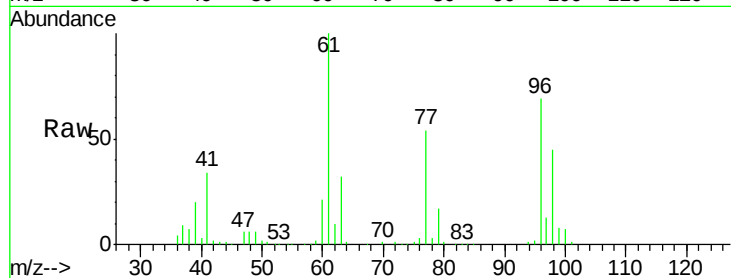
Tot Ion: 96 Resp: 141040

Ion Ratio Lower Upper

96 100

61 153.6 0.0 330.2

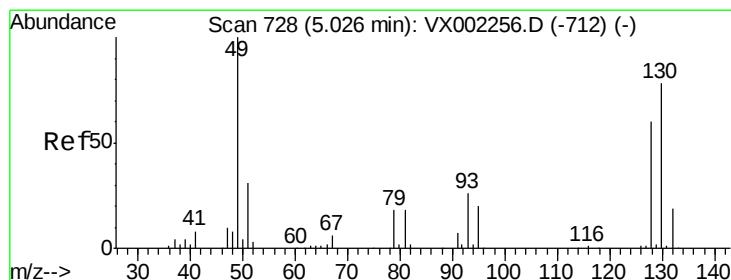
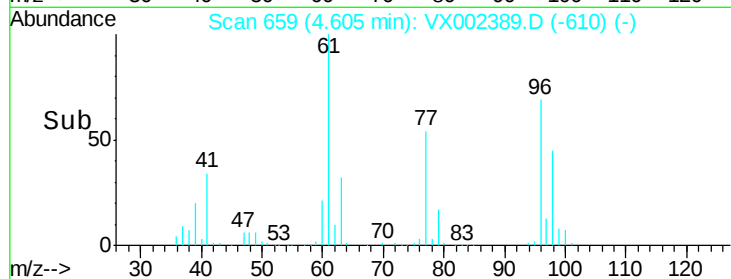
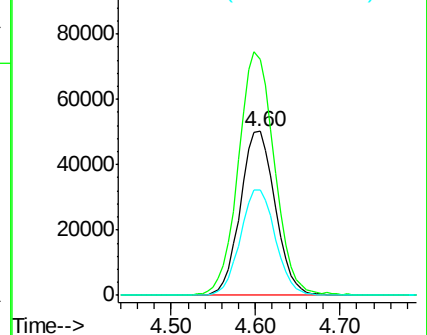
98 64.6 0.0 130.2



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: 52.85 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

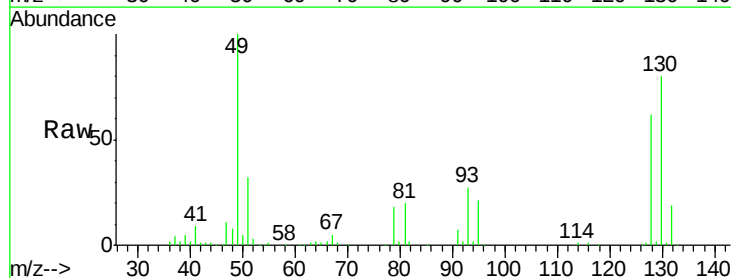
Tgt Ion: 49 Resp: 122825

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

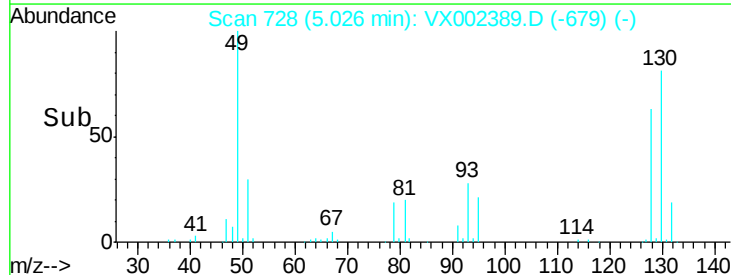
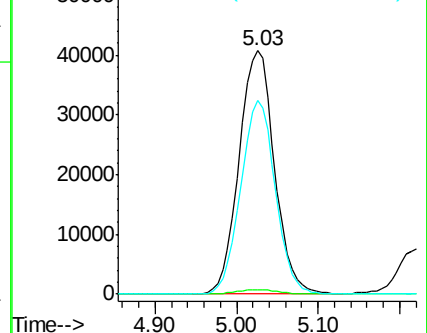
130 77.8 61.2 91.8

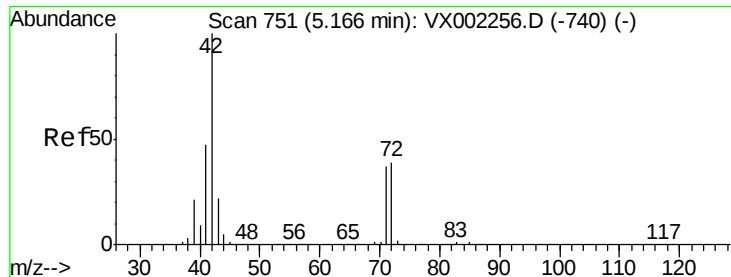


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

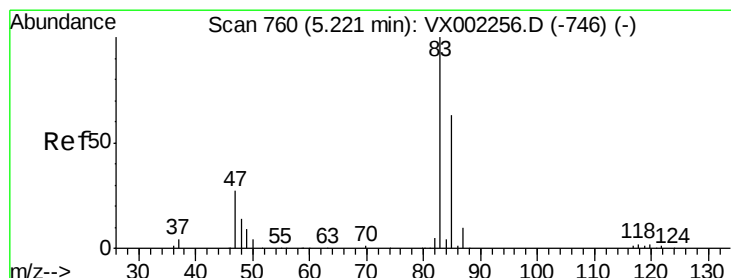
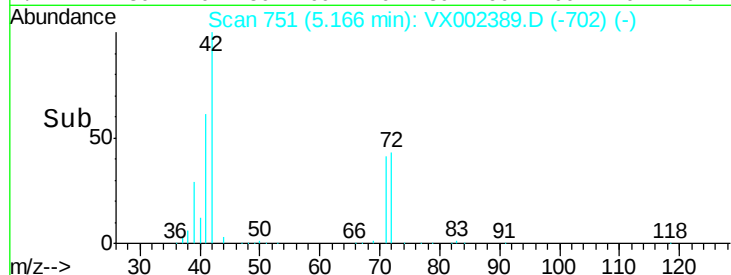
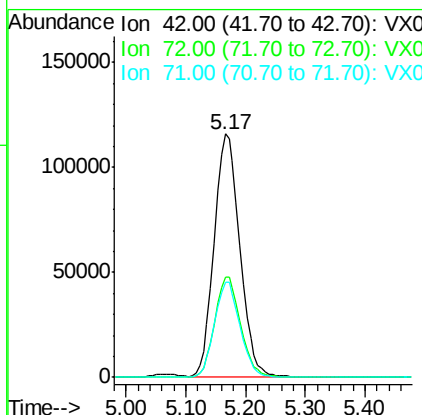
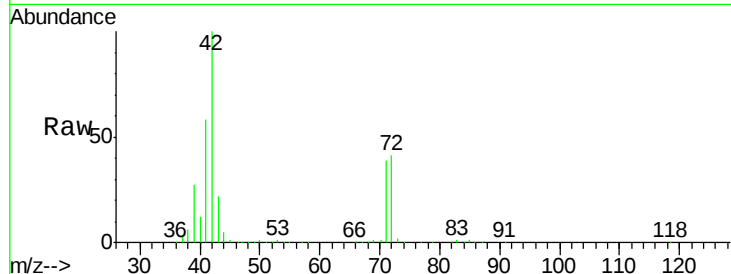




#29
Tetrahydrofuran
Concen: 227.66 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

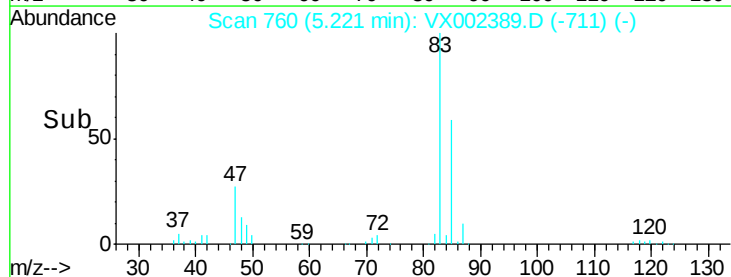
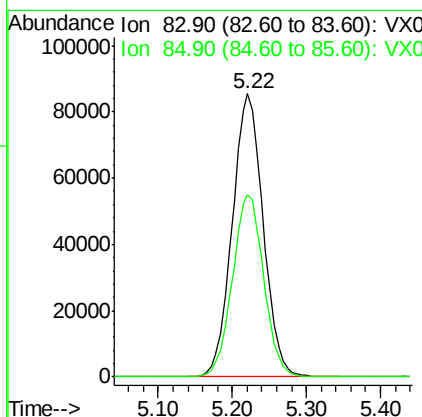
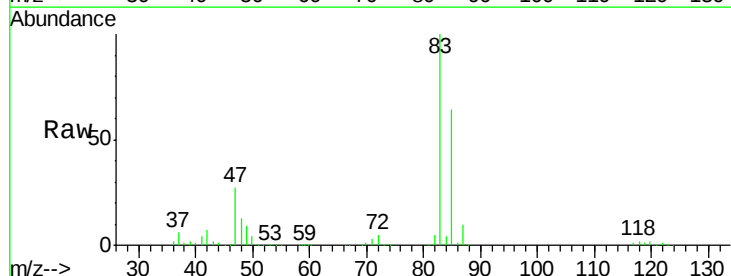
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	38.9	30.1	45.1



#30
Chloroform
Concen: 46.91 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6





#31

Cyclohexane

Concen: 49.07 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

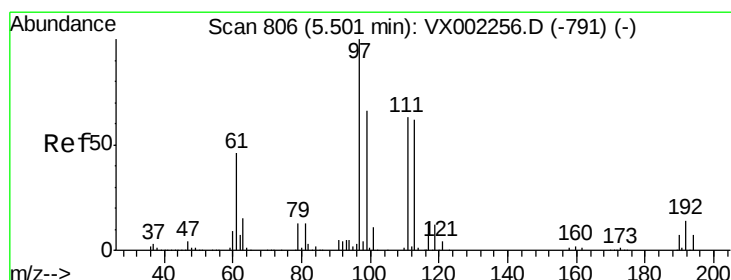
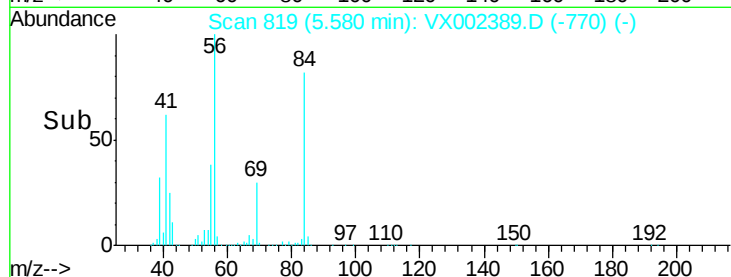
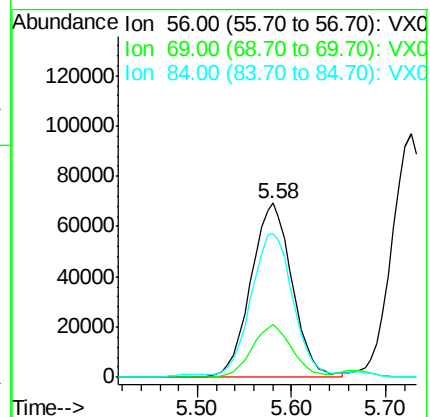
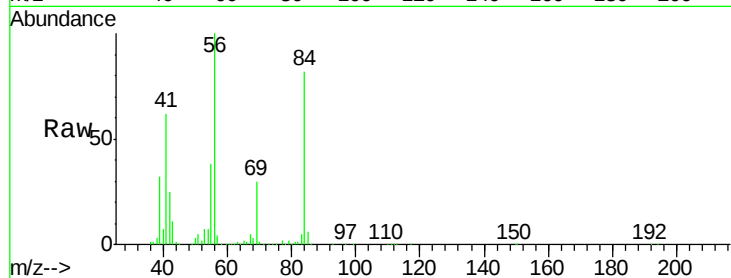
Tot Ion: 56 Resp: 212823

Ion Ratio Lower Upper

56 100

69 30.2 23.7 35.5

84 80.4 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 48.88 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

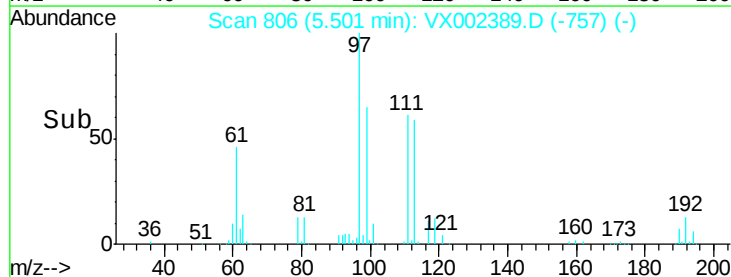
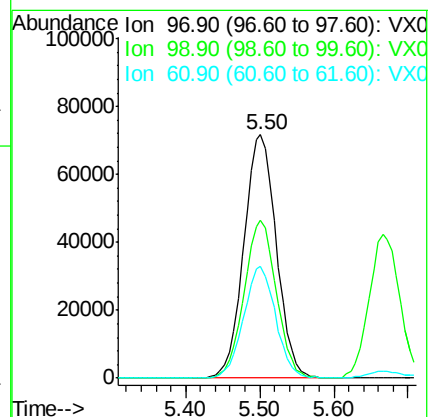
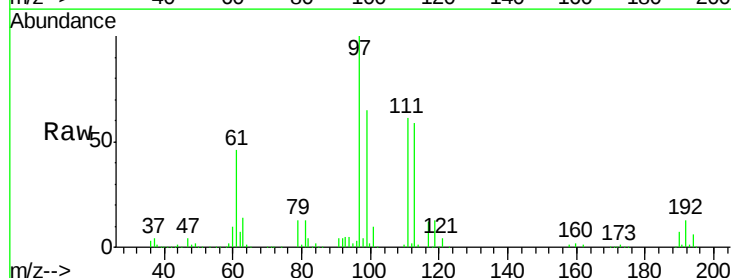
Tgt Ion: 97 Resp: 219430

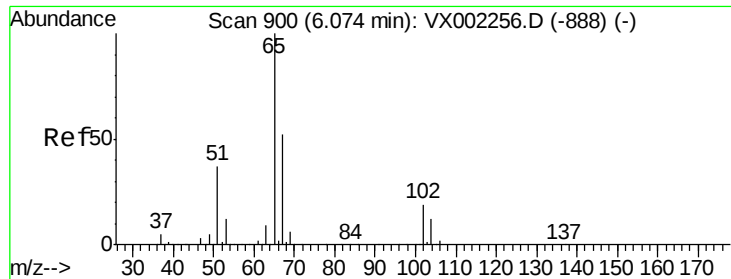
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 45.3 36.4 54.6

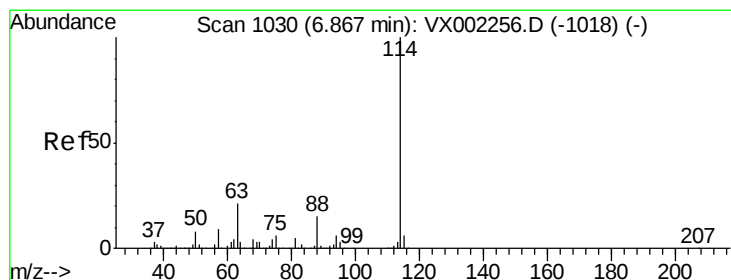
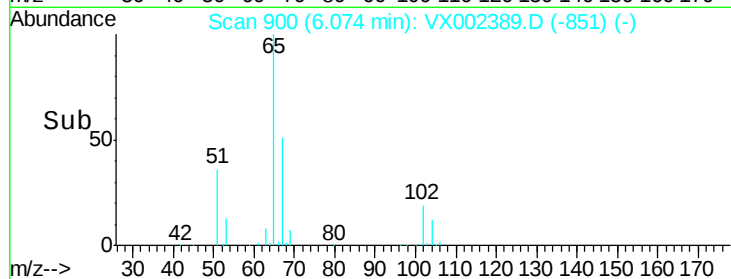
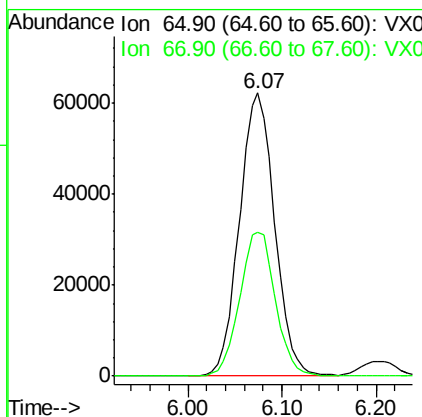
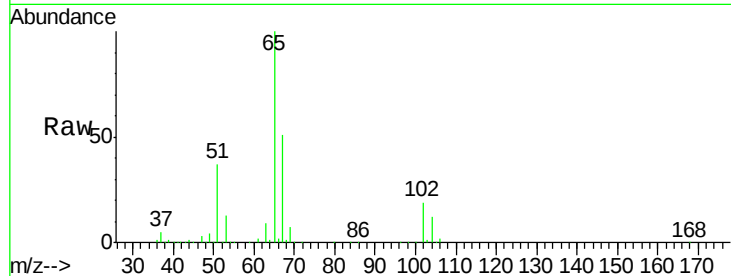




#33
 1,2-Dichloroethane-d4
 Concen: 47.19 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

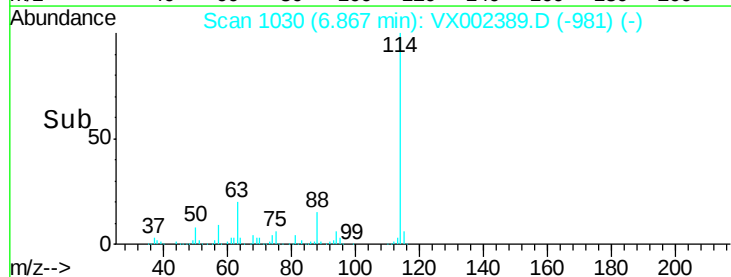
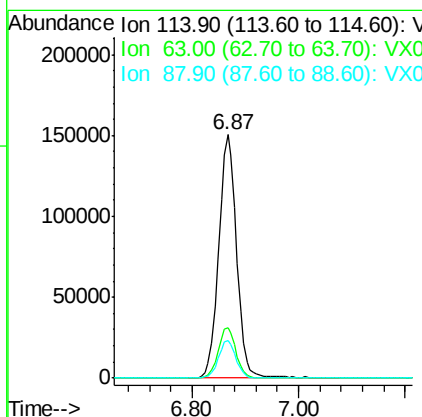
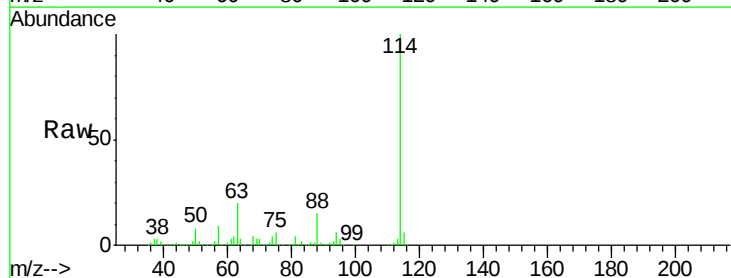
Instrument :
 MSVOA_X
 ClientSampled :
 LF5-0064MSD

Tot Ion: 65 Resp: 162768
 Ion Ratio Lower Upper
 65 100
 67 51.7 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: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 114 Resp: 353655
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.2 0.0 30.0

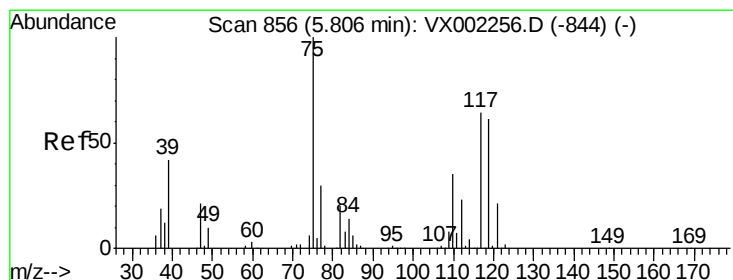
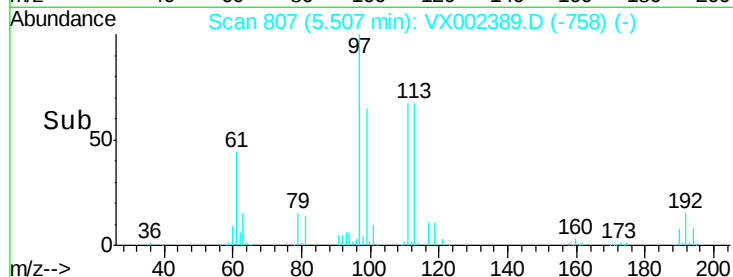
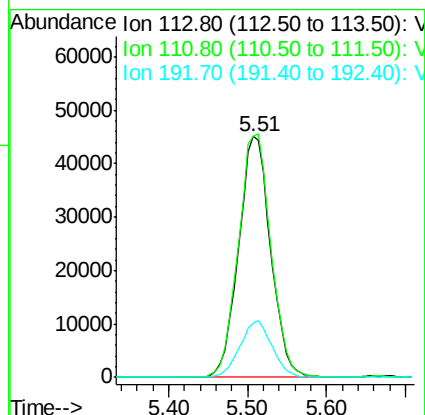
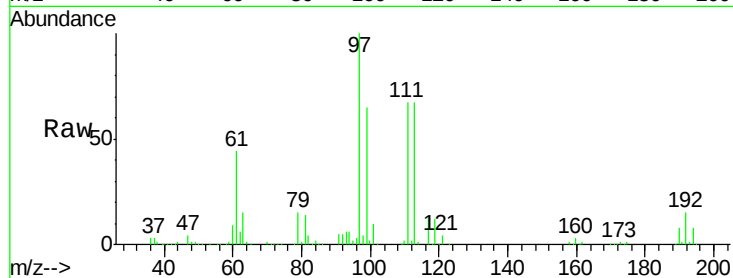




#35
 Dibromofluoromethane
 Concen: 45.79 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

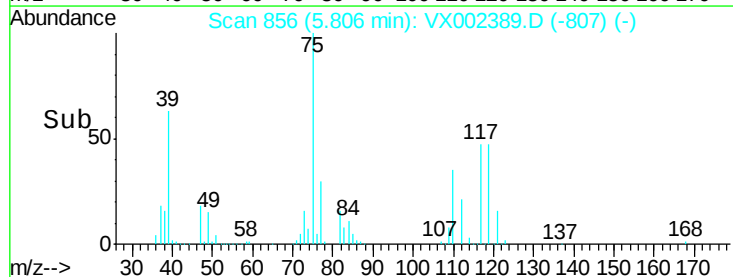
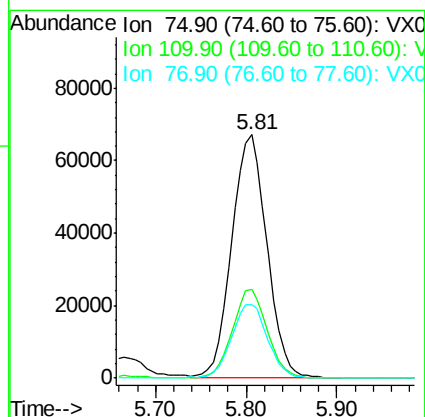
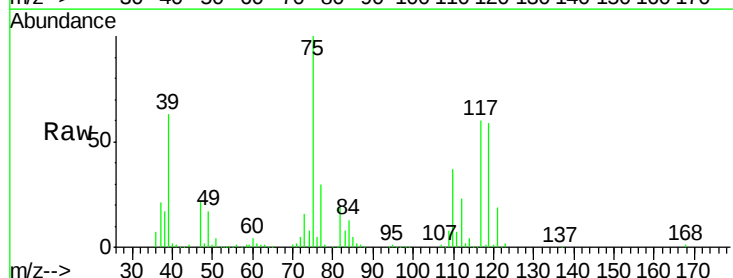
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

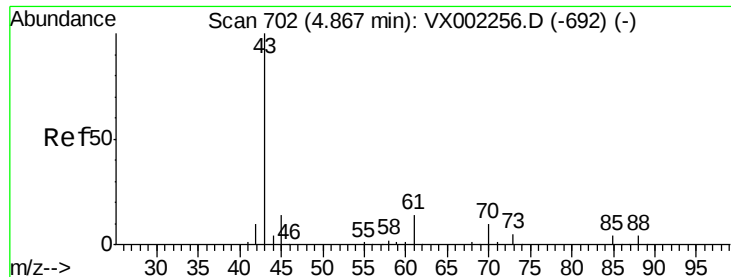
Tot Ion:113 Resp: 127349
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.0
 192 23.6 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 48.35 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 75 Resp: 179749
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.4
 77 31.0 24.3 36.5

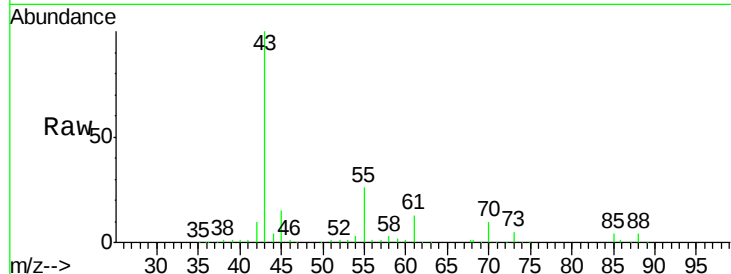




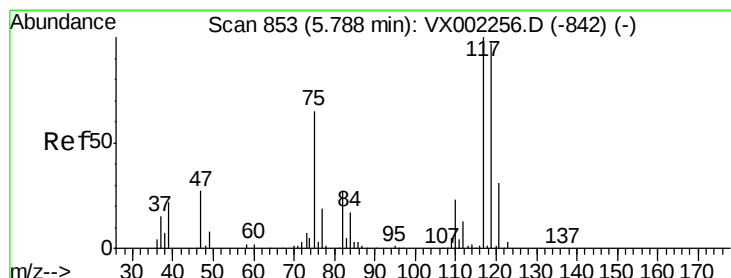
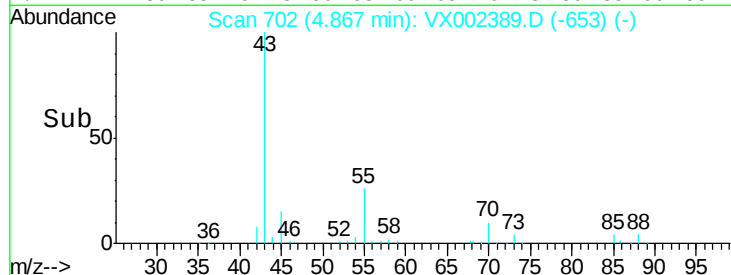
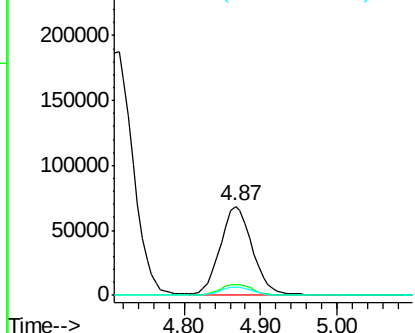
#37
Ethyl Acetate
Concen: 44.39 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tot Ion: 43 Resp: 198471
Ion Ratio Lower Upper
43 100
61 13.1 10.4 15.6
70 9.5 7.6 11.4

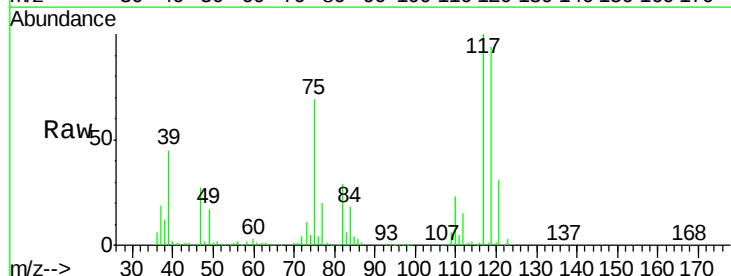


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

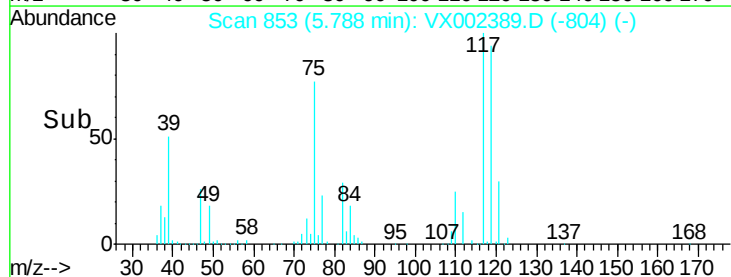
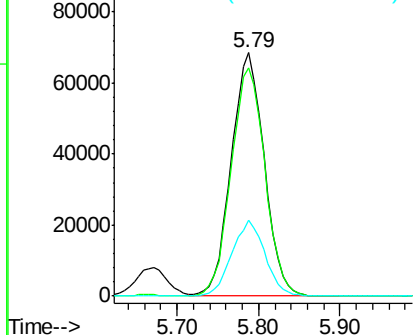


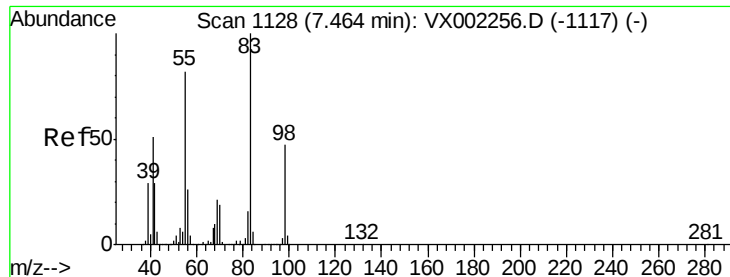
#38
Carbon Tetrachloride
Concen: 49.30 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 117 Resp: 191752
Ion Ratio Lower Upper
117 100
119 93.6 77.4 116.0
121 31.0 24.4 36.6



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

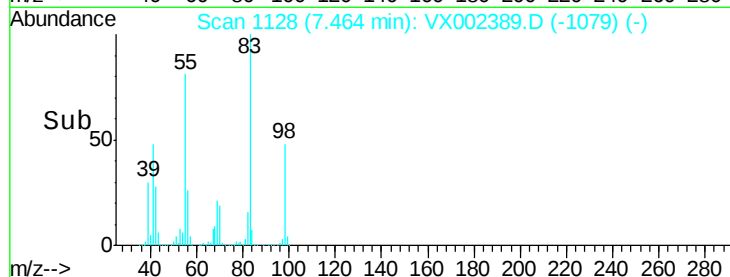
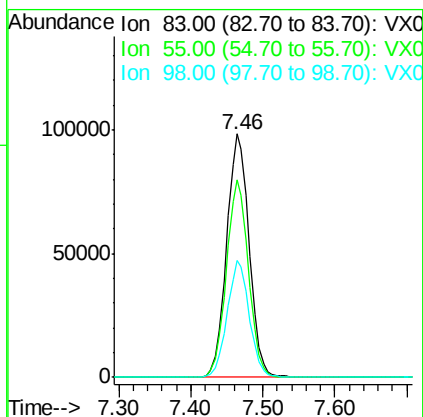
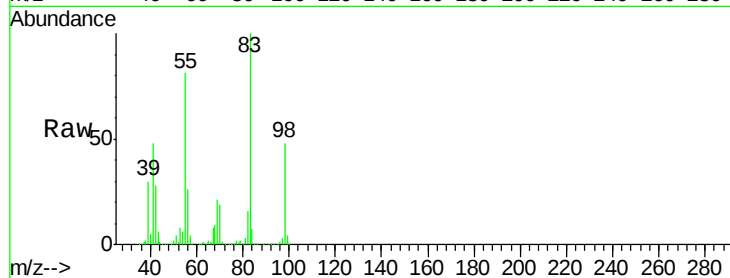




#39
Methvlcvclohexane
Concen: 46.72 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

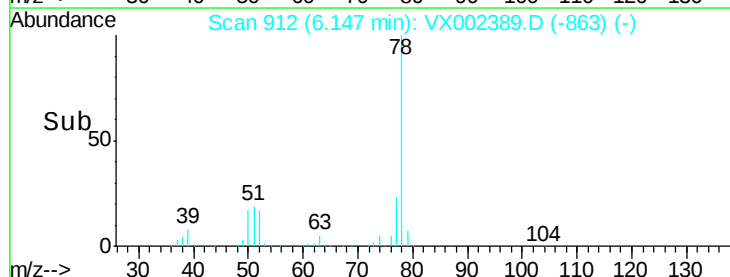
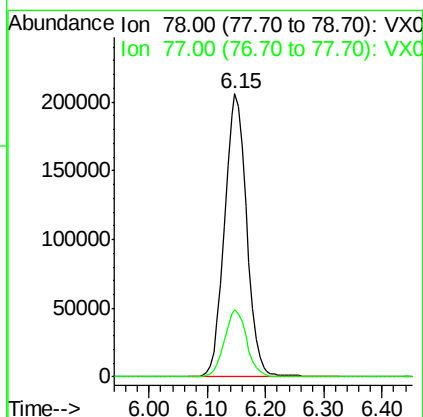
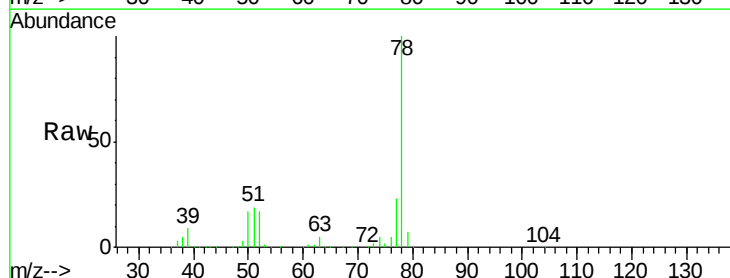
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tot Ion: 83 Resp: 214539
Ion Ratio Lower Upper
83 100
55 81.1 65.4 98.0
98 47.9 37.4 56.0



#40
Benzene
Concen: 47.73 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 78 Resp: 544118
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7





#41

Methacrylonitrile

Concen: 46.25 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MSD

Tot Ion: 41 Resp: 118374

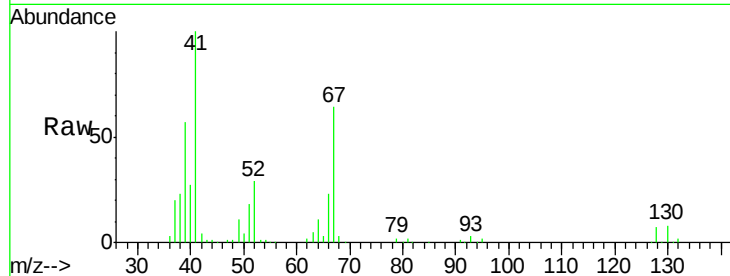
Ion Ratio Lower Upper

41 100

39 56.3 45.8 68.6

67 65.7 51.3 76.9

52 29.3 23.0 34.6

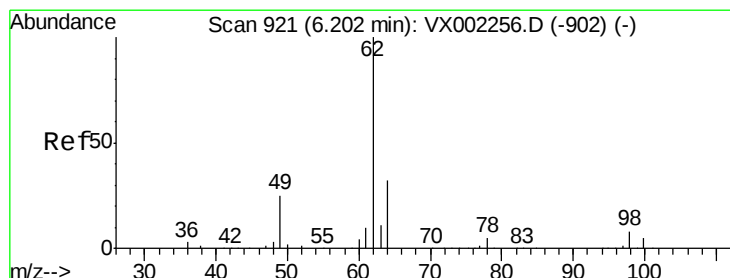
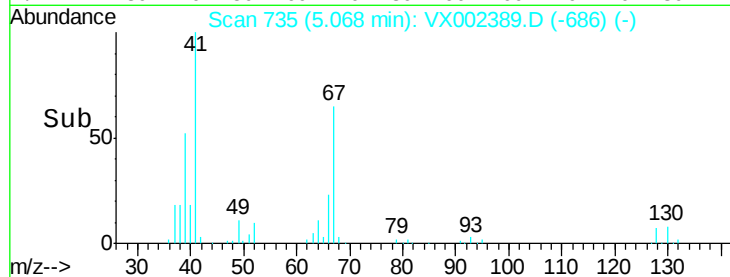
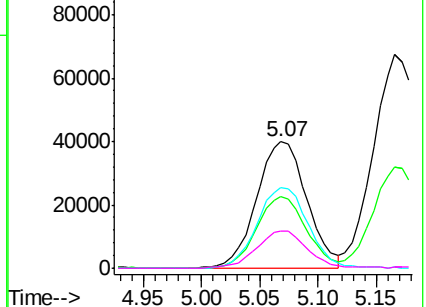


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.99 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX002389.D

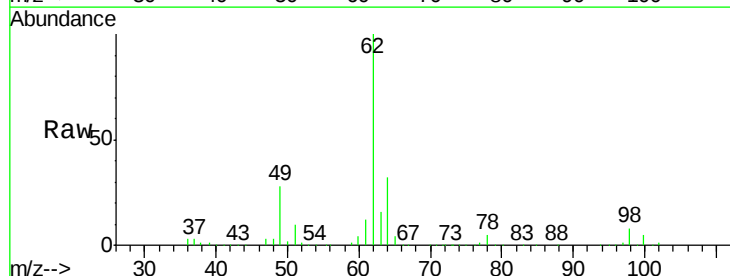
Acq: 07 Jun 2018 20:20

Tgt Ion: 62 Resp: 212829

Ion Ratio Lower Upper

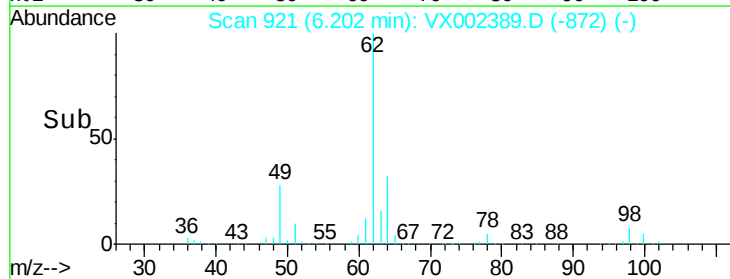
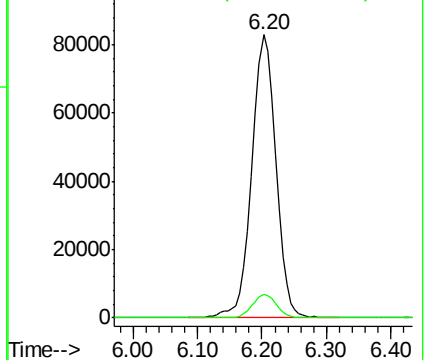
62 100

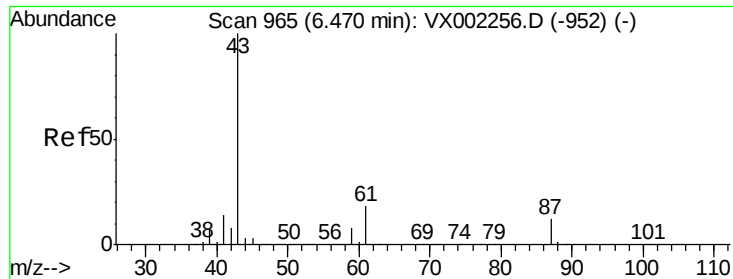
98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



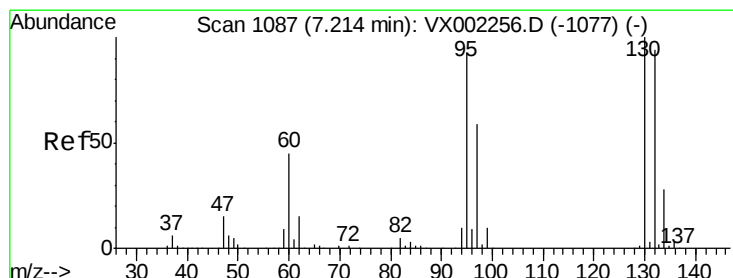
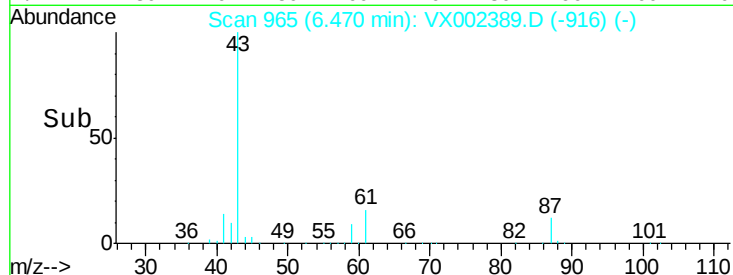
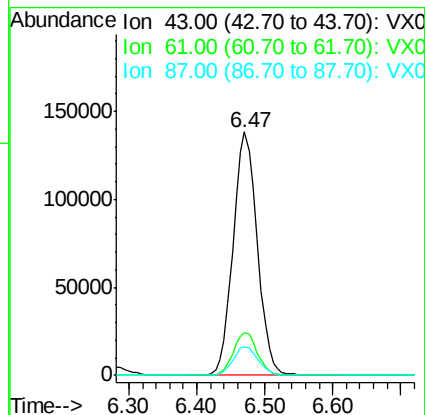
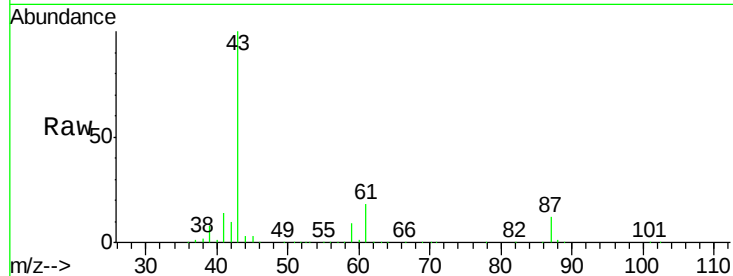


#43

Isopropyl Acetate
 Concen: 44.66 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

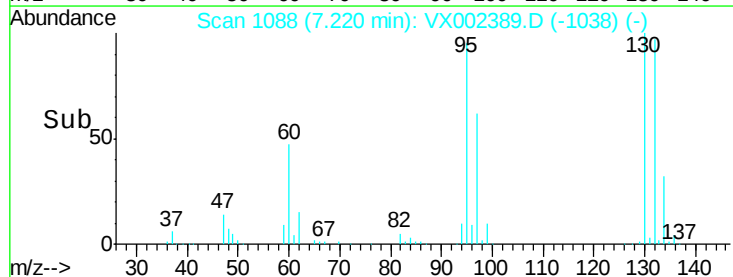
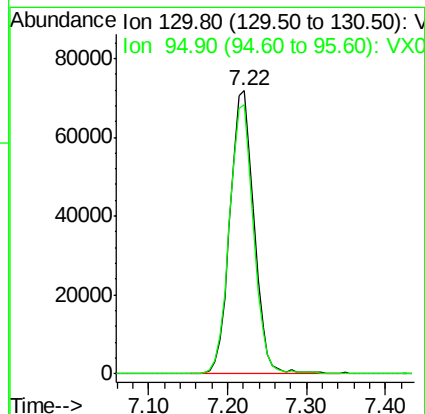
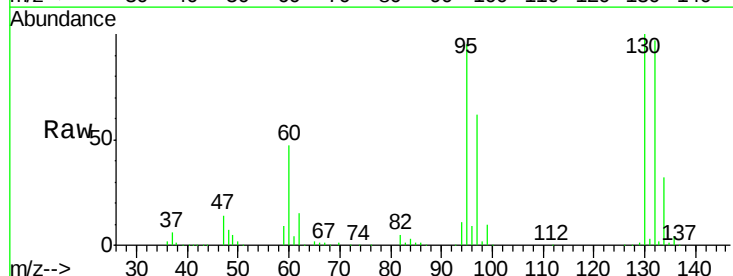
Tot Ion: 43 Resp: 339169
 Ion Ratio Lower Upper
 43 100
 61 17.9 14.4 21.6
 87 12.1 9.5 14.3

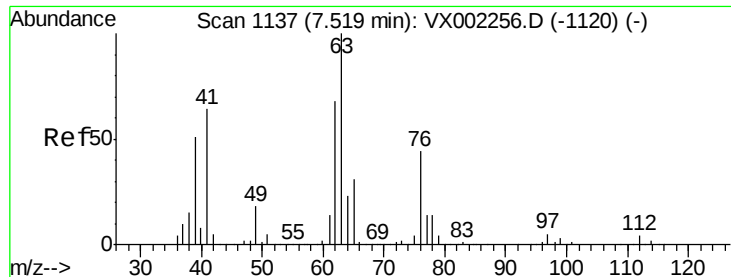


#44

Trichloroethene
 Concen: 48.30 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion:130 Resp: 152825
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 185.4

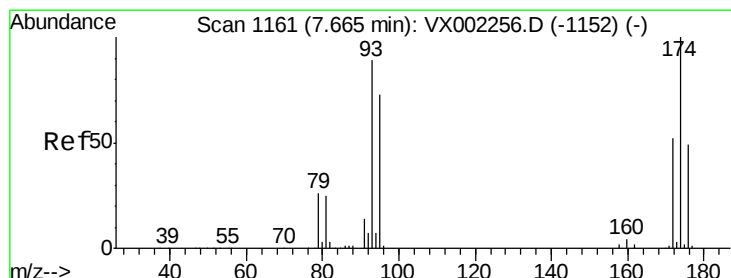
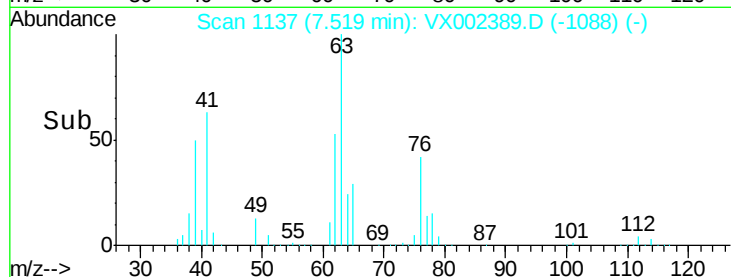
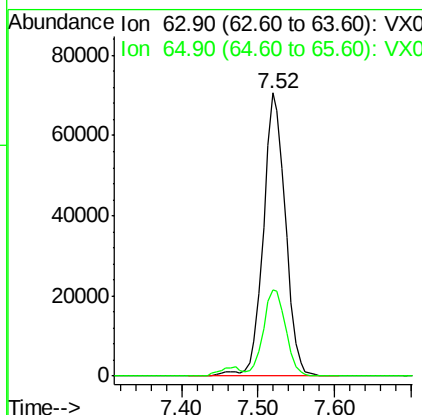
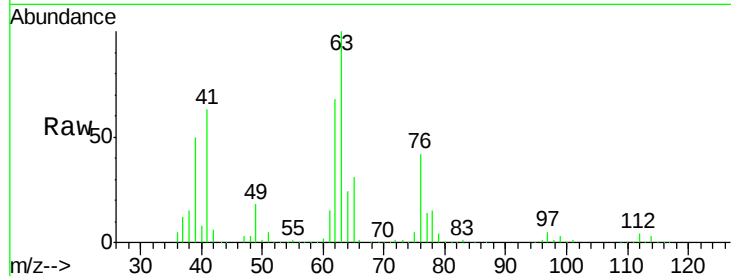




#45
 1,2-Dichloropropane
 Concen: 46.45 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

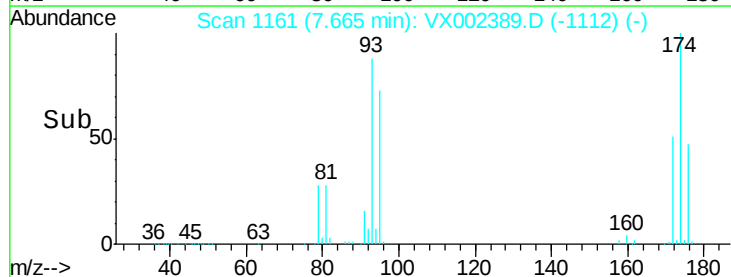
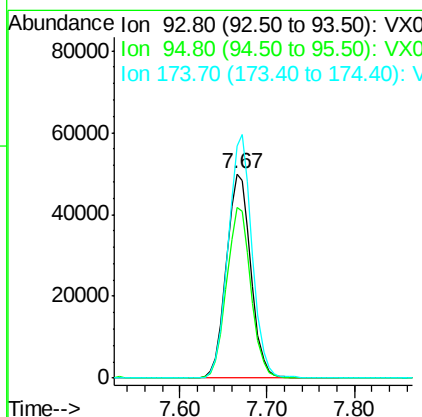
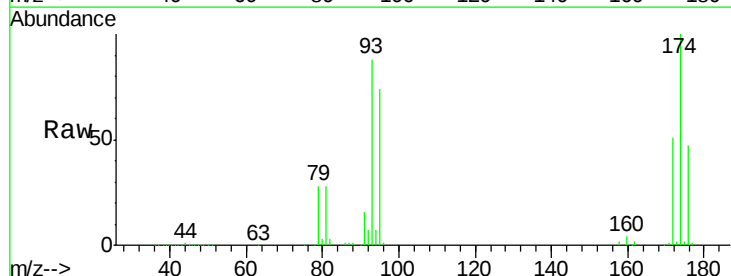
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

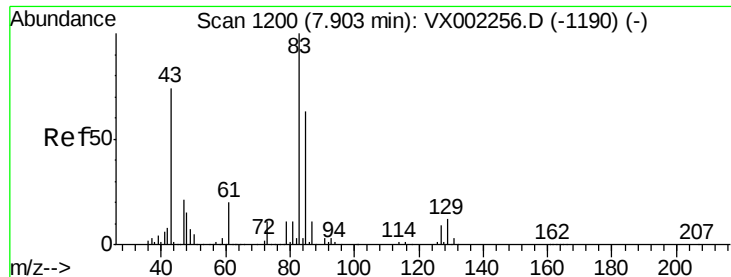
Tot Ion: 63 Resp: 142962
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 46.40 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 93 Resp: 96800
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.9 98.9
 174 116.6 92.4 138.6





#47

Bromodichloromethane

Concen: 47.74 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MSD

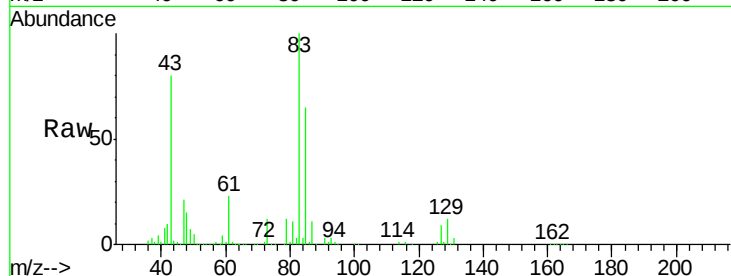
Tot Ion: 83 Resp: 180130

Ion Ratio Lower Upper

83 100

85 64.5 50.3 75.5

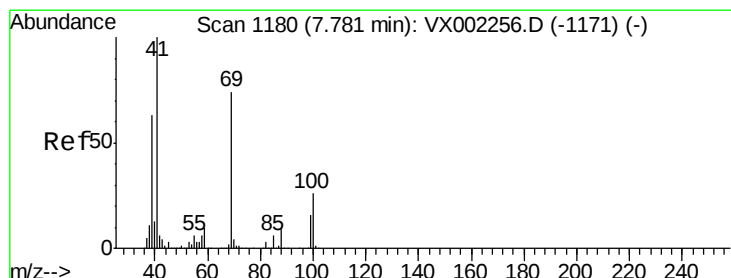
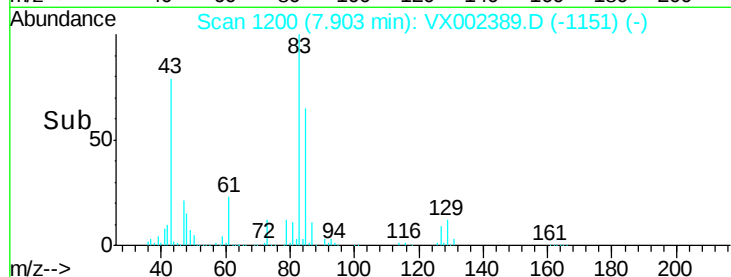
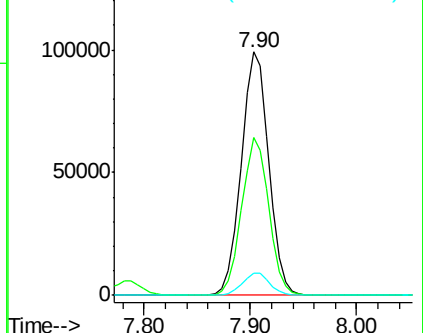
127 8.9 7.0 10.4



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: 47.04 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

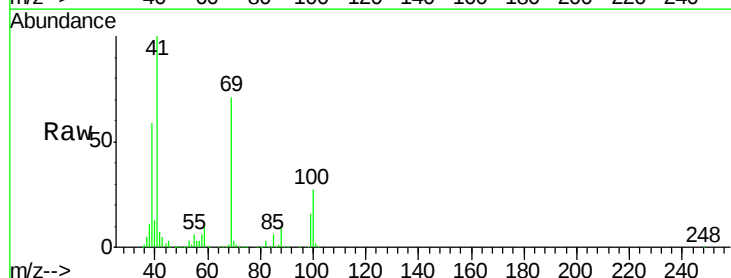
Tgt Ion: 41 Resp: 179429

Ion Ratio Lower Upper

41 100

69 73.9 59.1 88.7

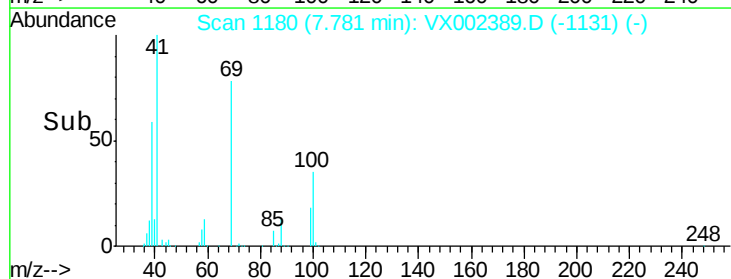
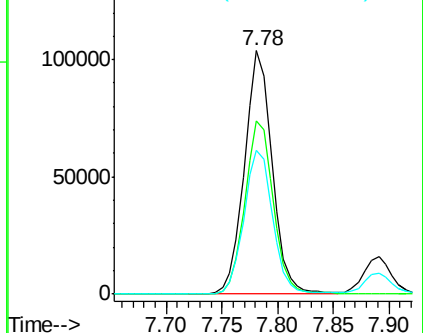
39 60.9 48.9 73.3

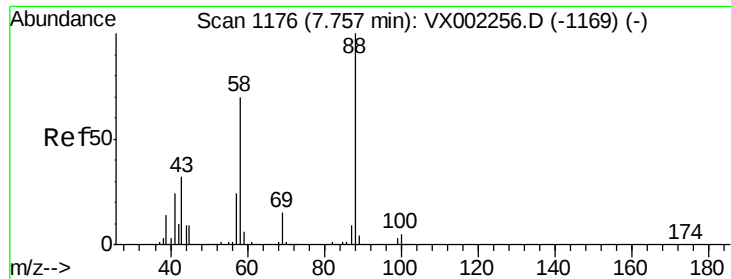


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

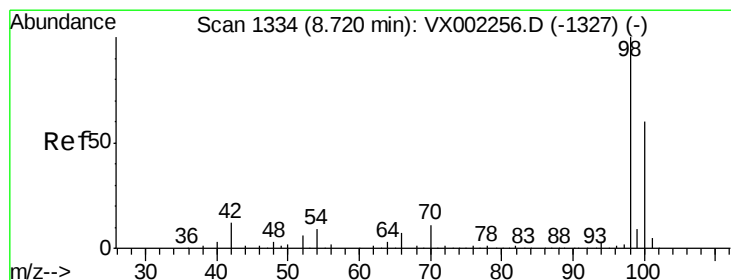
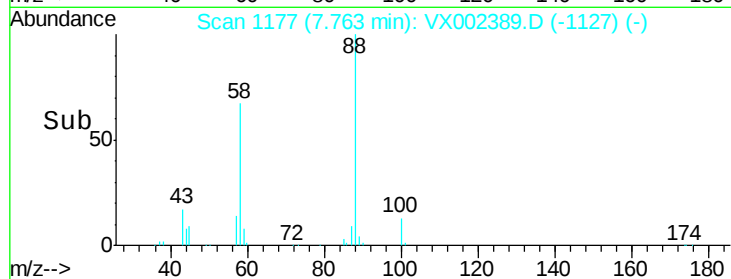
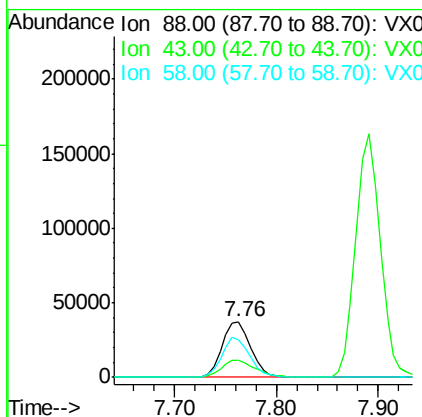
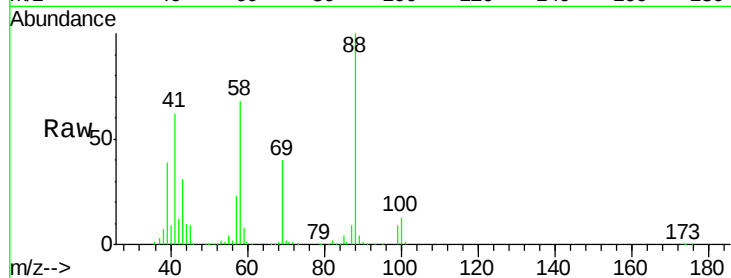




#49
1,4-Dioxane
Concen: 1014.63 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

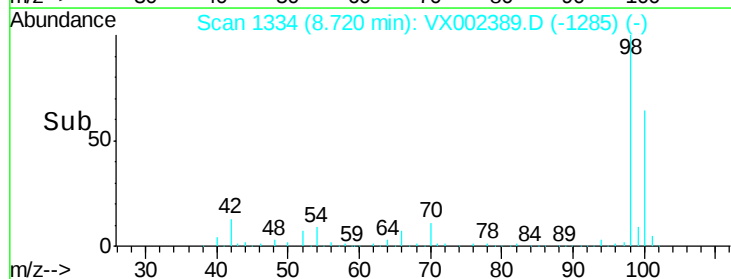
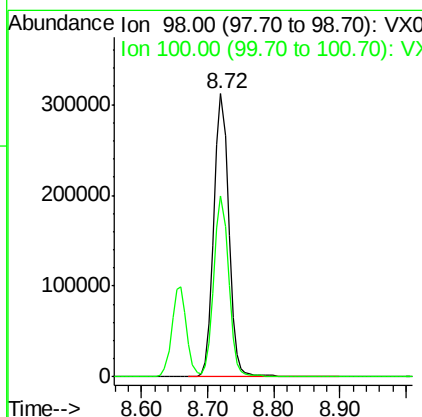
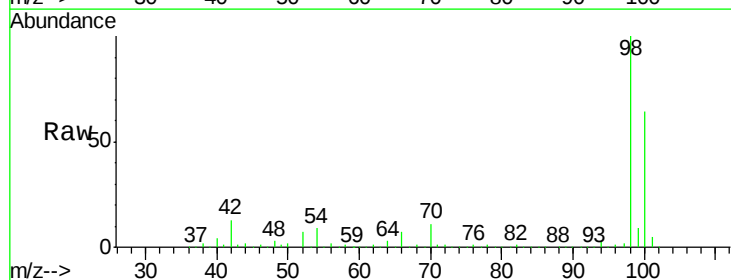
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

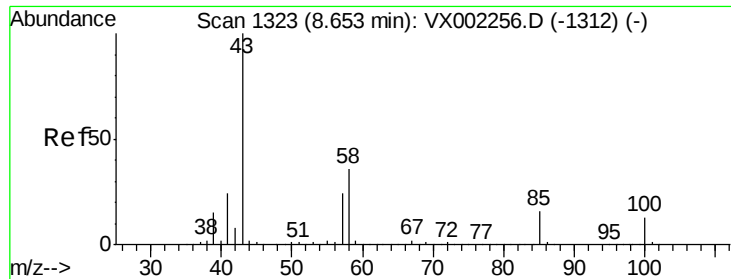
Tot Ion: 88 Resp: 72370
Ion Ratio Lower Upper
88 100
43 35.7 29.8 44.6
58 70.7 57.1 85.7



#50
Toluene-d8
Concen: 45.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 98 Resp: 488127
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 241.92 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

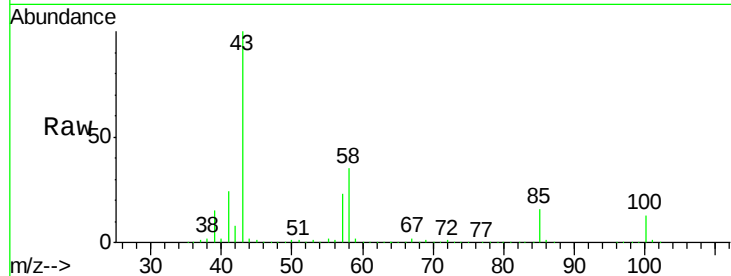
LF5-0064MSD

Tot Ion: 43 Resp: 1144149

Ion Ratio Lower Upper

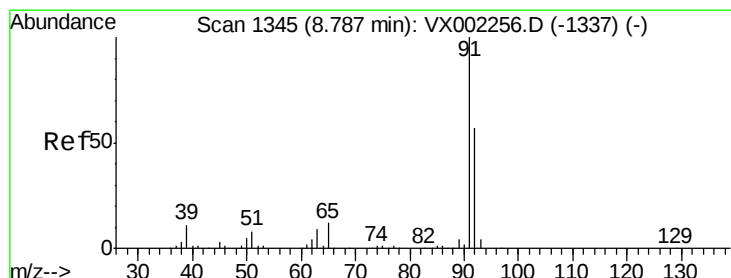
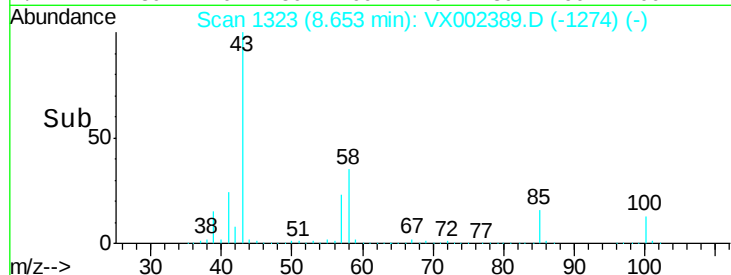
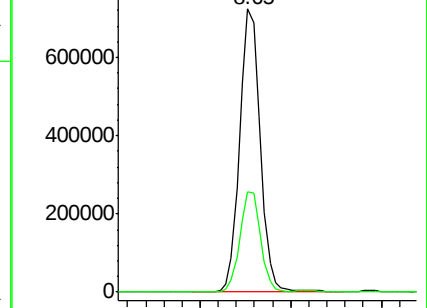
43 100

58 35.6 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: 48.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002389.D

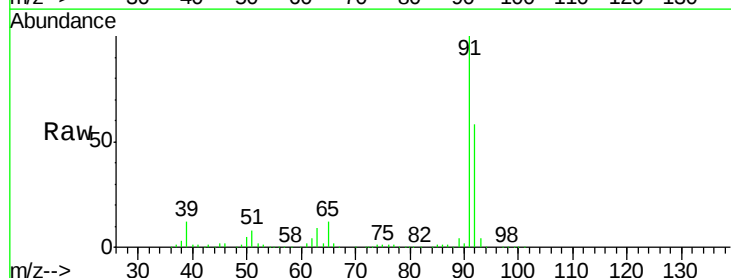
Acq: 07 Jun 2018 20:20

Tgt Ion: 92 Resp: 354817

Ion Ratio Lower Upper

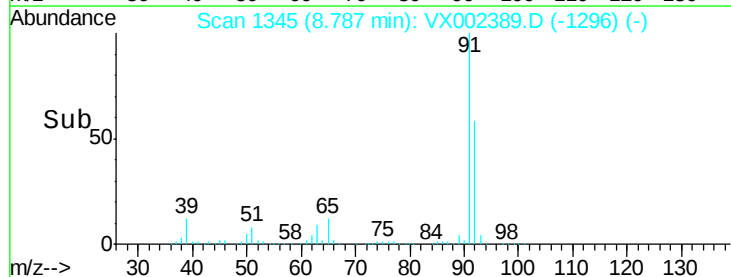
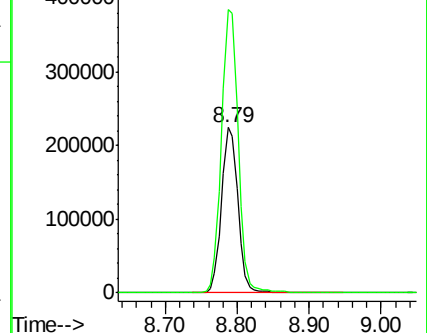
92 100

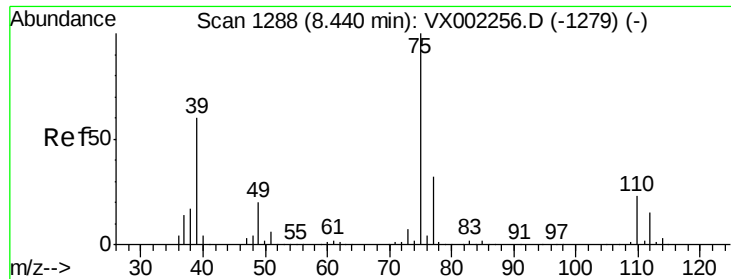
91 174.9 140.4 210.6



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: 46.18 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

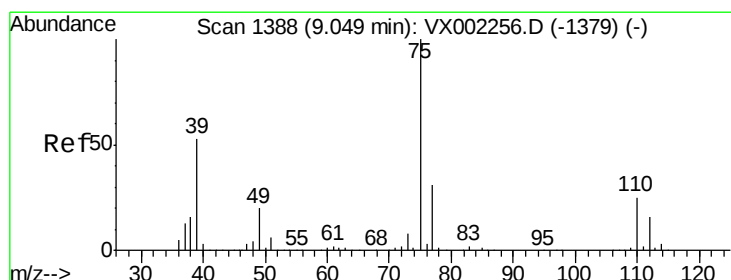
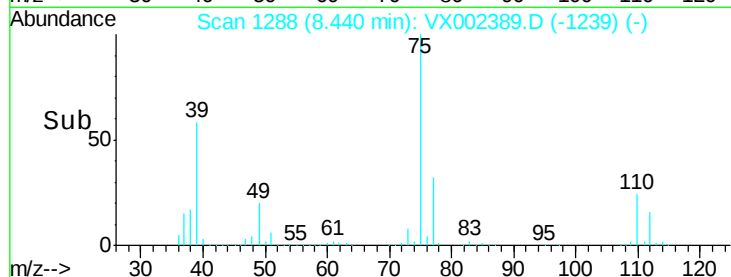
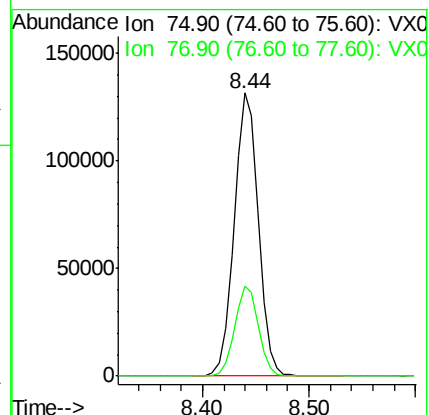
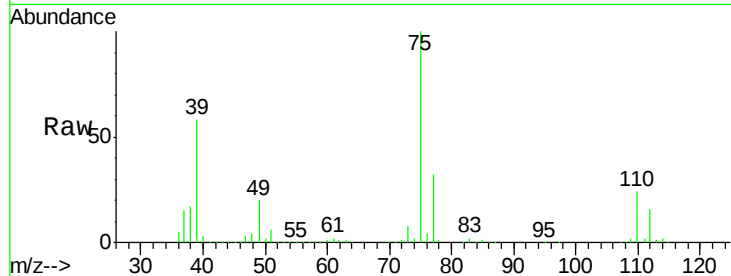
LF5-0064MSD

Tot Ion: 75 Resp: 208941

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 46.28 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

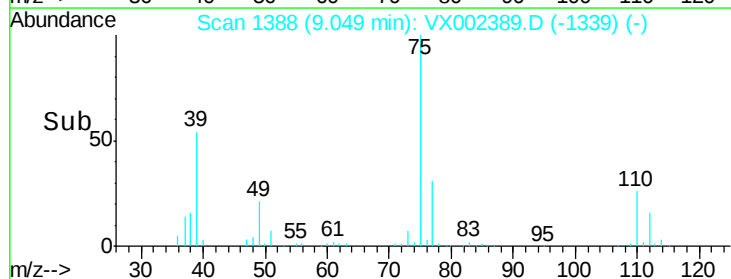
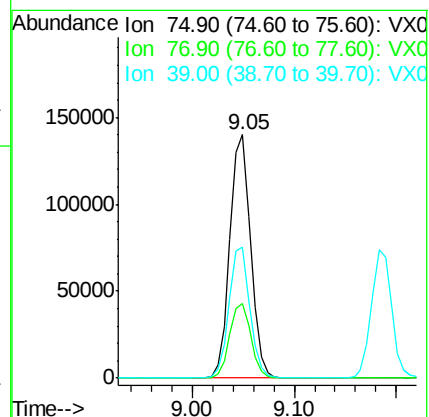
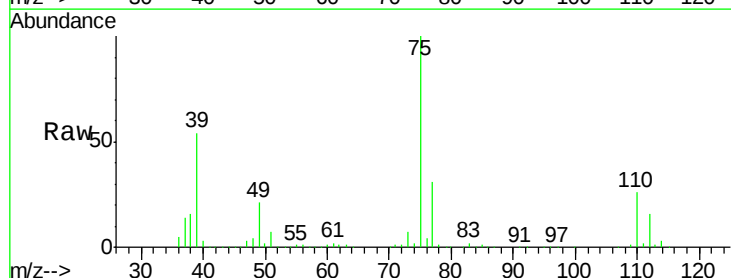
Tgt Ion: 75 Resp: 197562

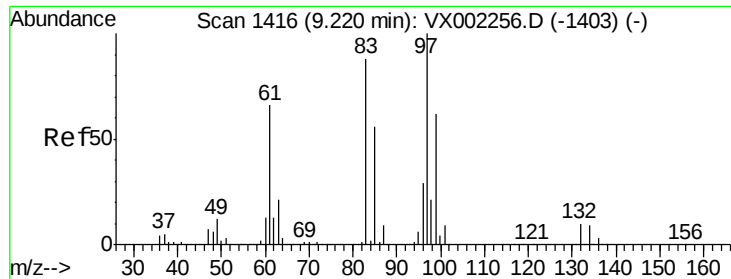
Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

39 53.9 42.4 63.6

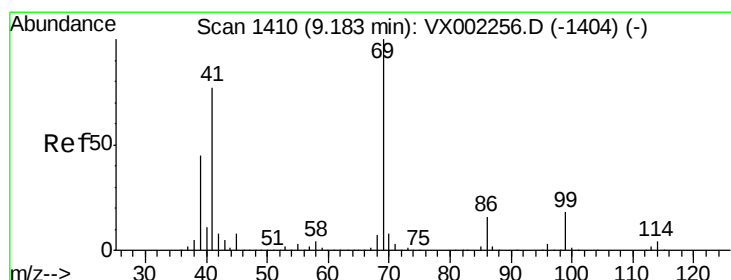
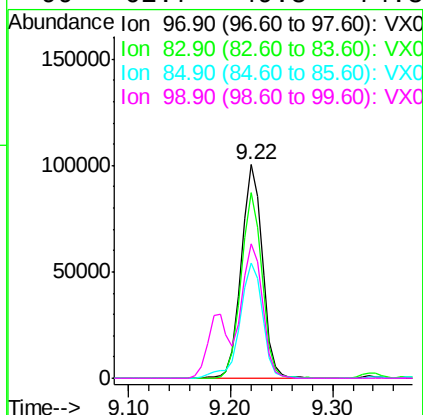
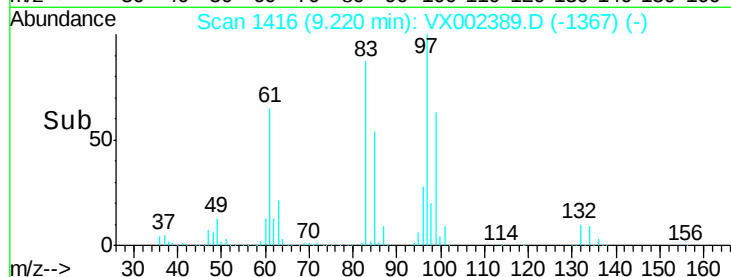
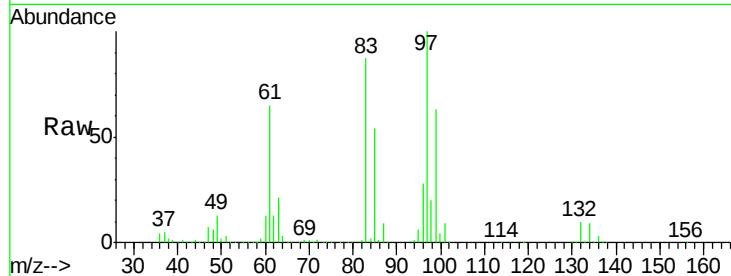




#55
 1,1,2-Trichloroethane
 Concen: 48.27 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

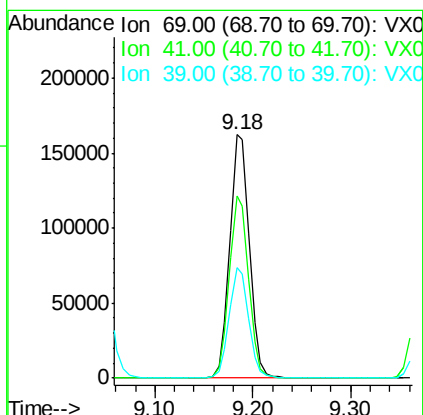
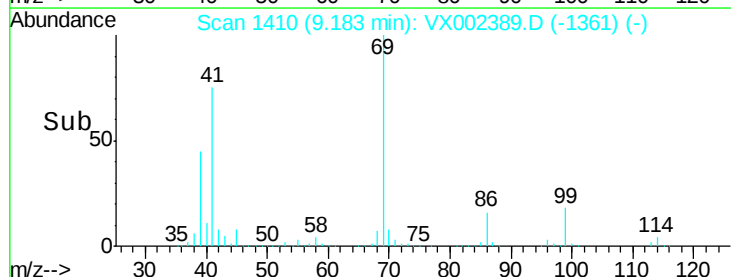
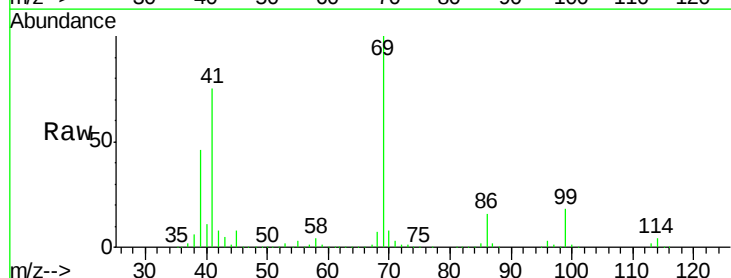
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tot Ion:	97	Resp:	143945
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.2	105.2
85	54.1	44.9	67.3
99	62.7	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 47.48 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion:	69	Resp:	226047
Ion	Ratio	Lower	Upper
69	100		
41	73.6	60.3	90.5
39	44.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 47.31 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

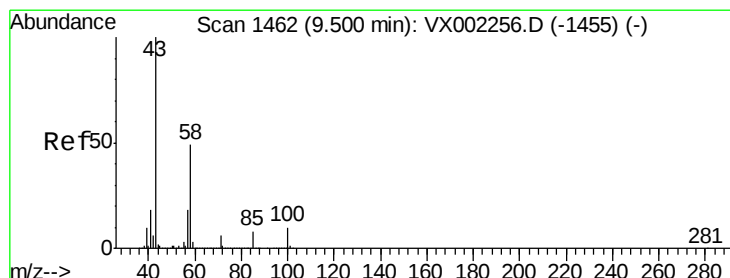
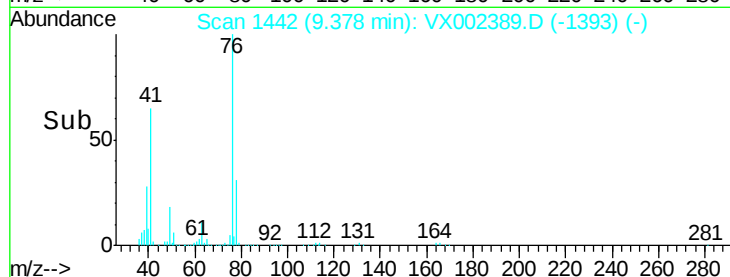
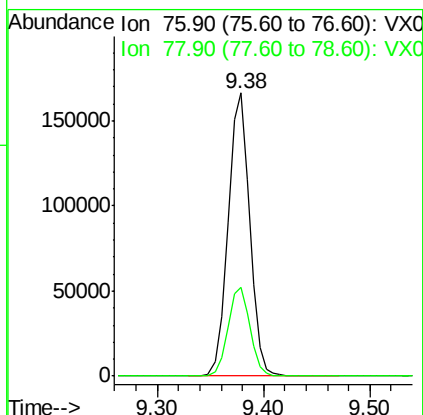
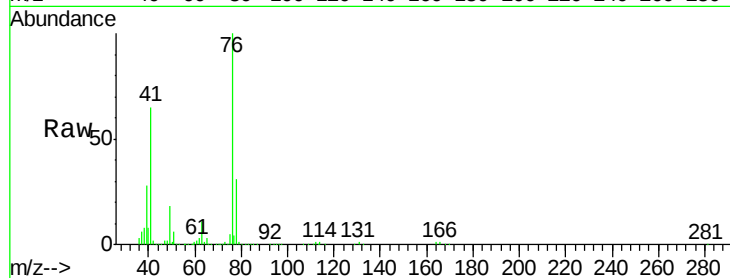
LF5-0064MSD

Tot Ion: 76 Resp: 236700

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#59

2-Hexanone

Concen: 239.22 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002389.D

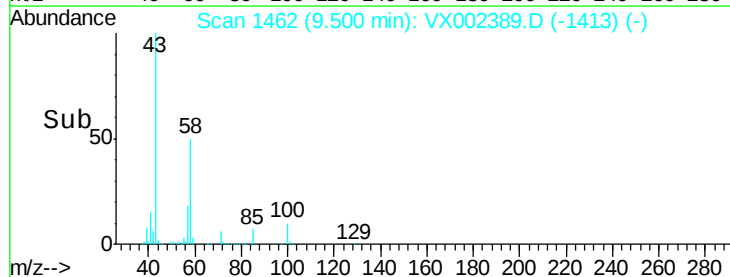
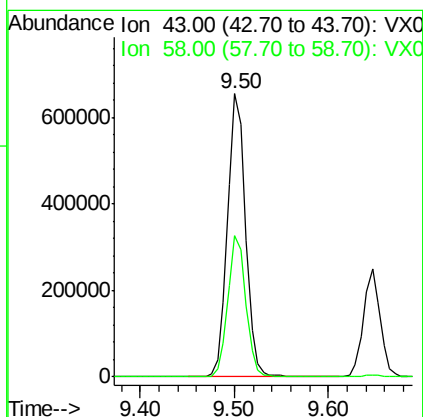
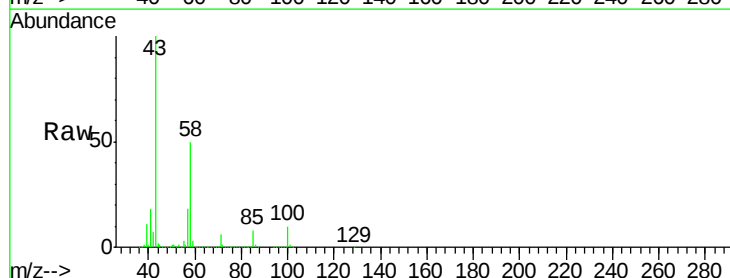
Acq: 07 Jun 2018 20:20

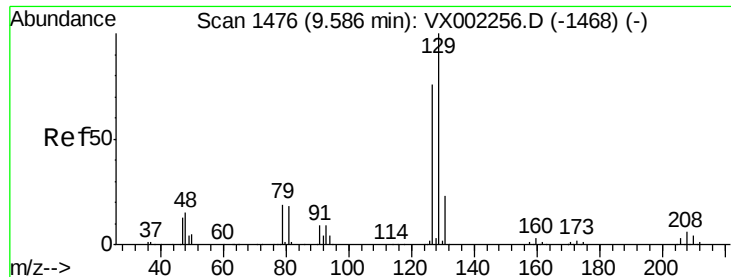
Tgt Ion: 43 Resp: 873884

Ion Ratio Lower Upper

43 100

58 49.9 24.6 73.6





#60

Dibromochloromethane

Concen: 49.35 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

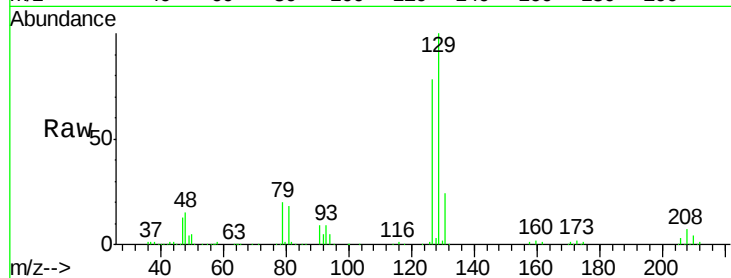
LF5-0064MSD

Tot Ion:129 Resp: 148031

Ion Ratio Lower Upper

129 100

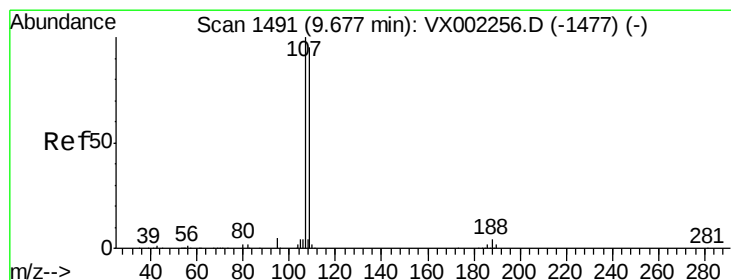
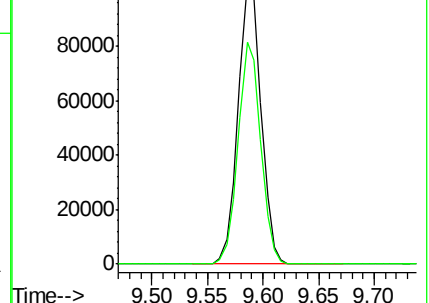
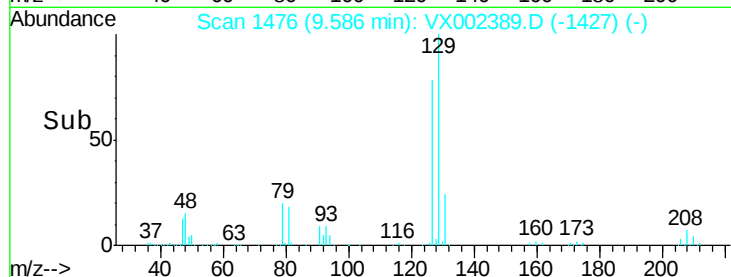
127 77.6 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59



#61

1,2-Dibromoethane

Concen: 48.26 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002389.D

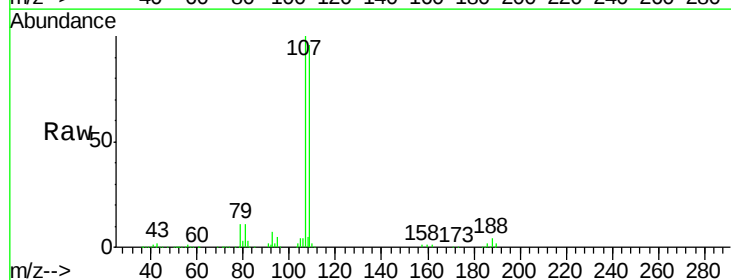
Acq: 07 Jun 2018 20:20

Tgt Ion:107 Resp: 150052

Ion Ratio Lower Upper

107 100

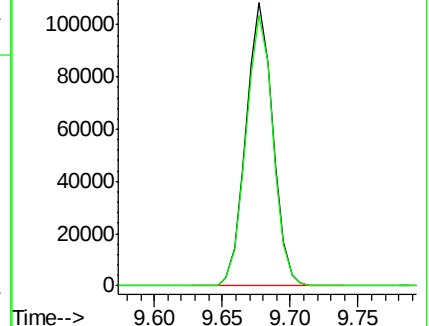
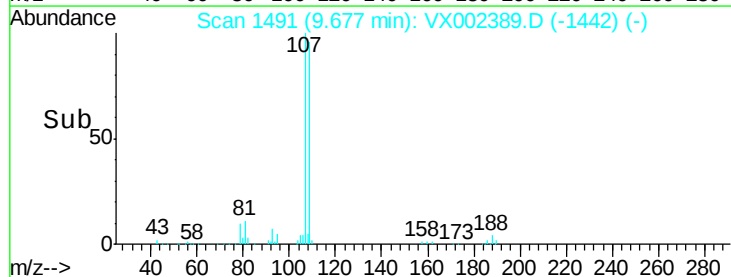
109 96.7 75.3 112.9

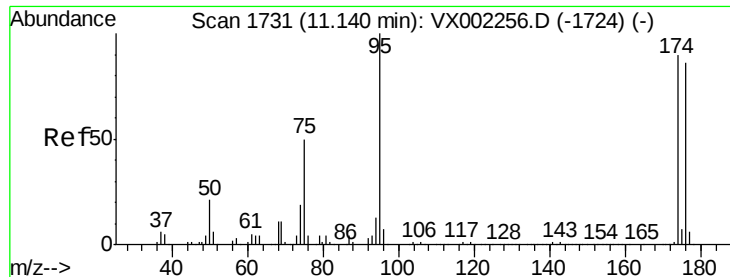


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68





#62

4-Bromofluorobenzene

Concen: 45.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

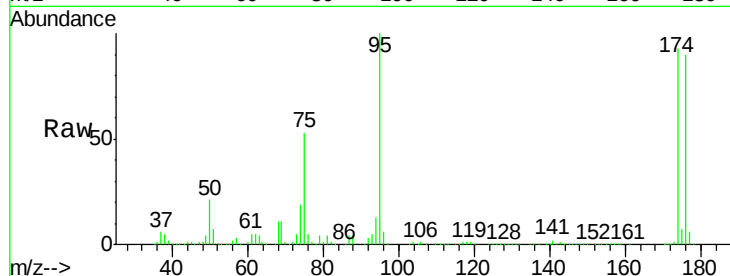
Tot Ion: 95 Resp: 187478

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

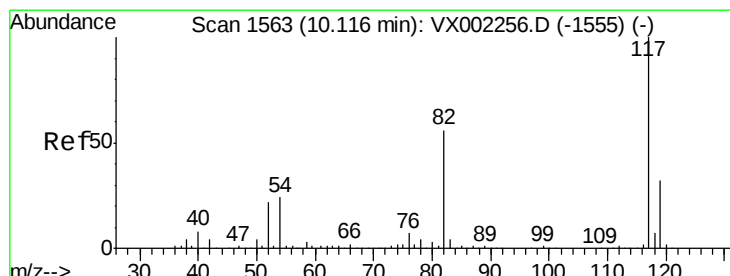
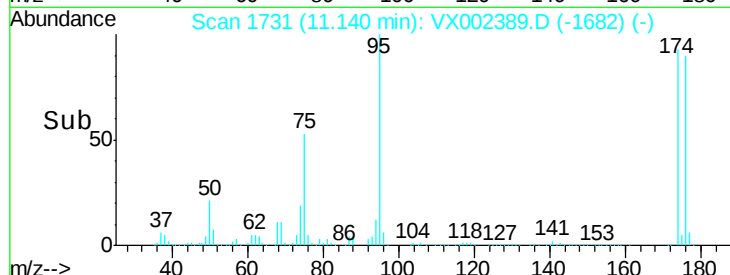
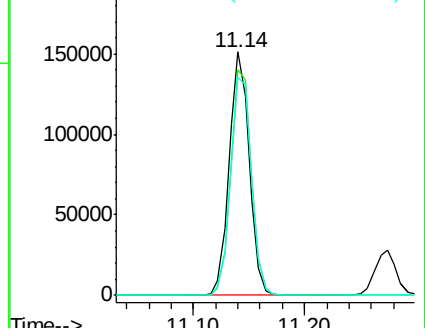
176 93.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002256.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002256.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002256.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

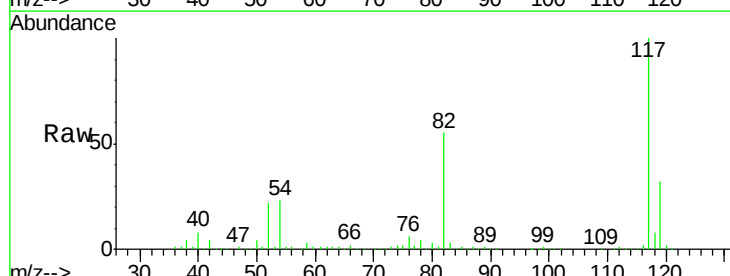
Tgt Ion: 117 Resp: 338792

Ion Ratio Lower Upper

117 100

82 54.6 45.0 67.4

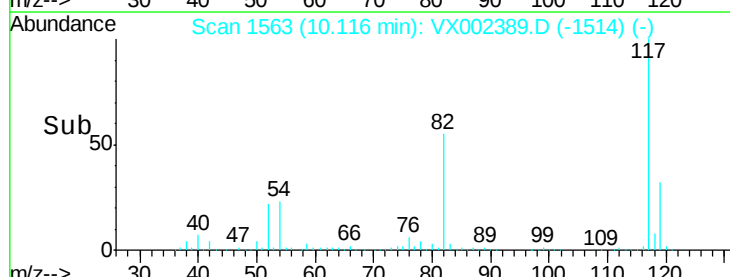
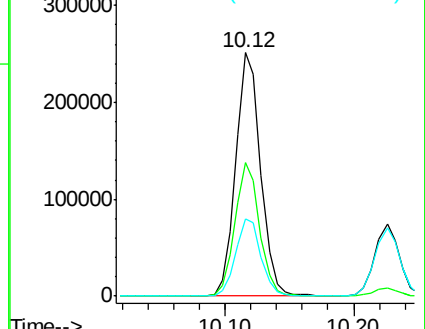
119 32.0 25.8 38.6

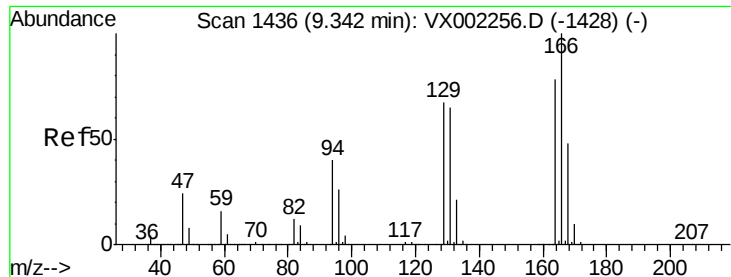


Abundance Ion 116.90 (116.60 to 117.60): VX002256.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002256.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002256.D (-1555) (-)

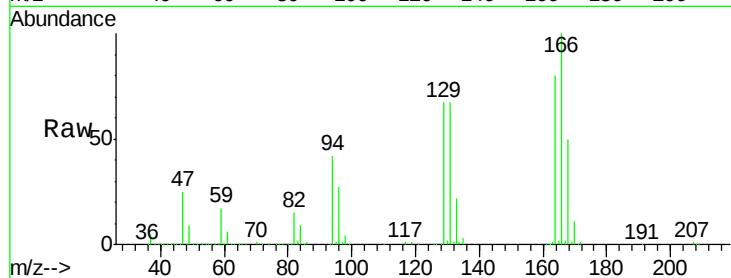




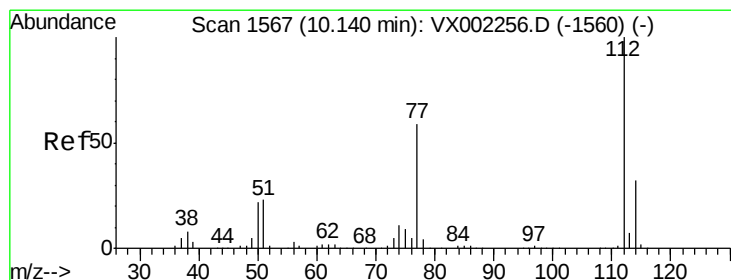
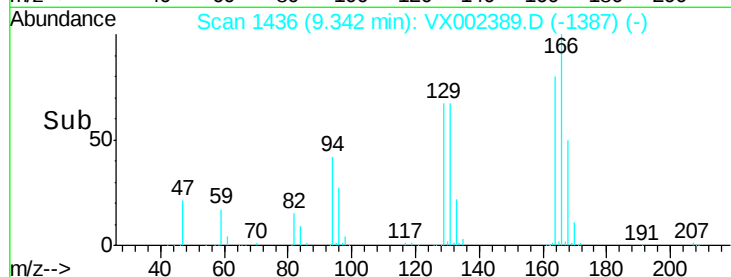
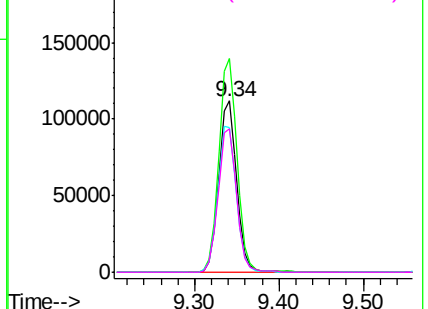
#64
Tetrachloroethene
Concen: 47.46 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.9	102.9	154.3
129	84.3	68.6	102.8
131	83.8	66.8	100.2

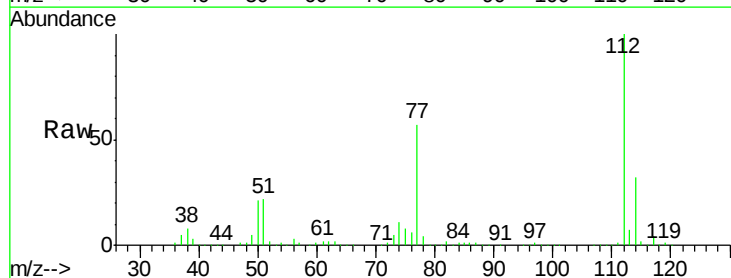


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

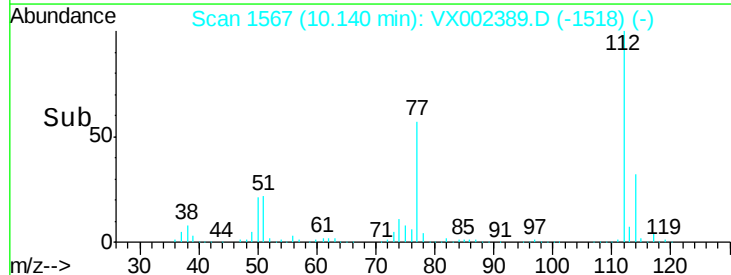
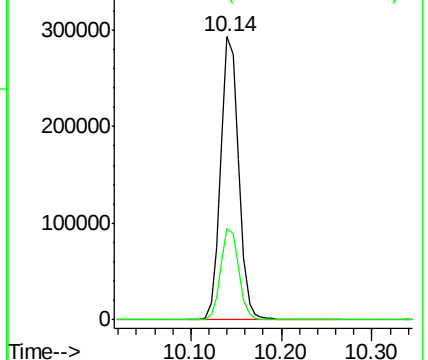


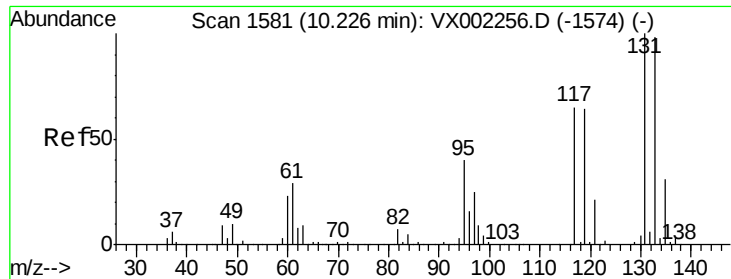
#65
Chlorobenzene
Concen: 48.34 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.3	37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

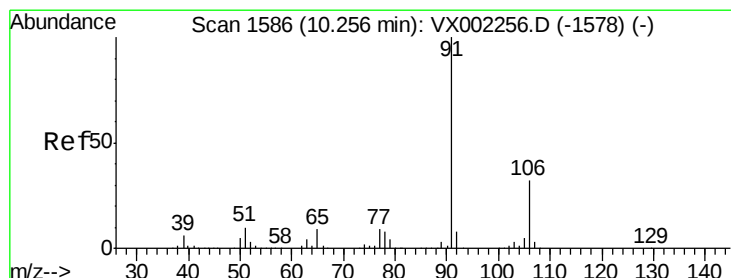
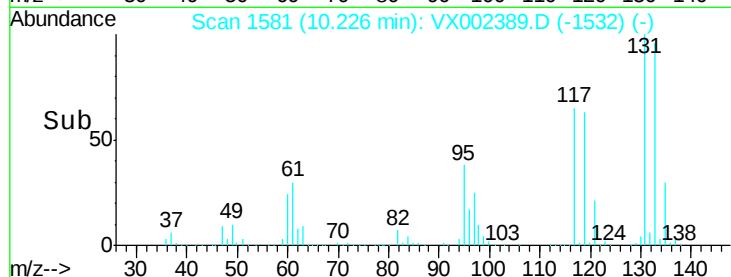
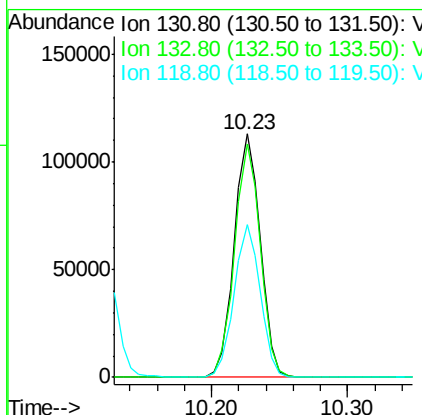
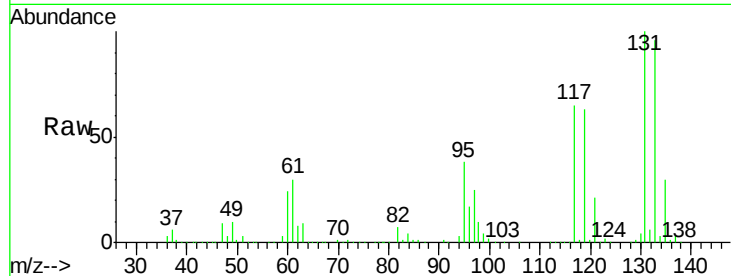




#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.29 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

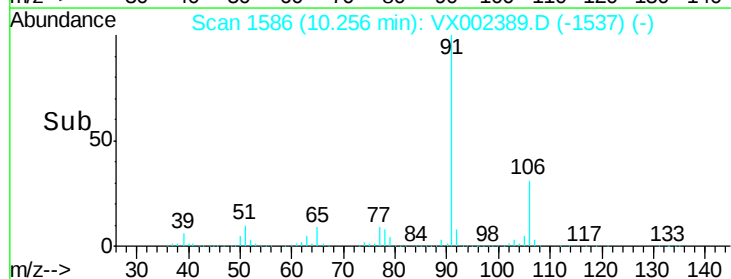
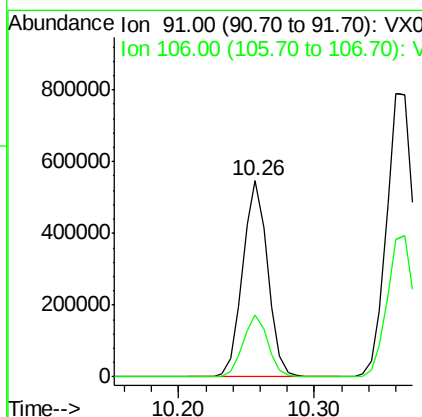
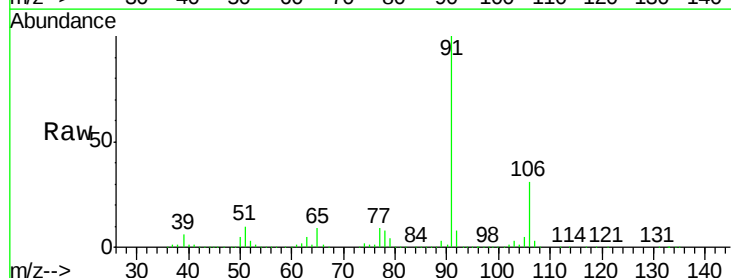
Instrument :
 MSVOA_X
 ClientSampled :
 LF5-0064MSD

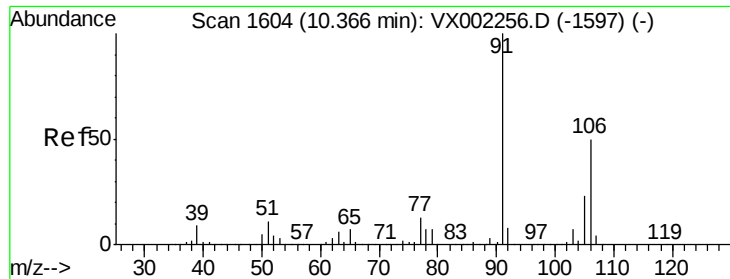
Tot Ion:131 Resp: 150442
 Ion Ratio Lower Upper
 131 100
 133 95.1 47.9 143.6
 119 63.1 31.8 95.3



#67
 Ethyl Benzene
 Concen: 49.83 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 91 Resp: 702954
 Ion Ratio Lower Upper
 91 100
 106 31.4 25.5 38.3

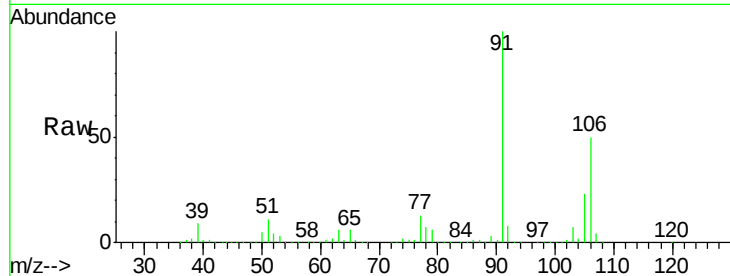




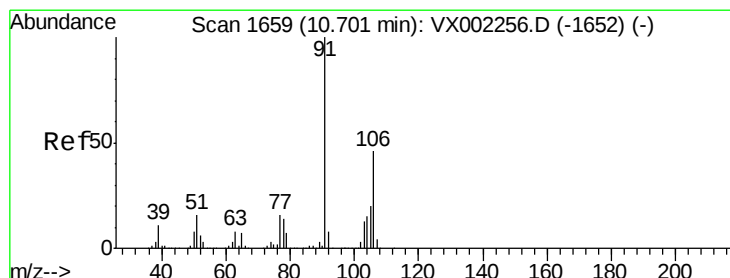
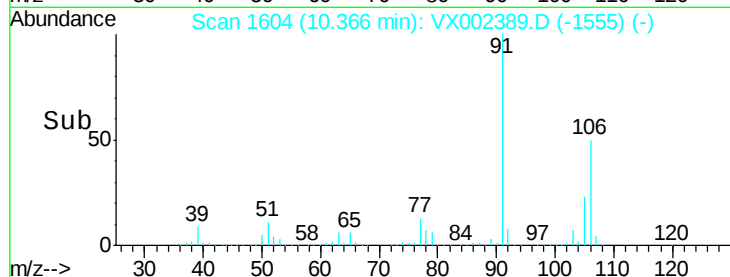
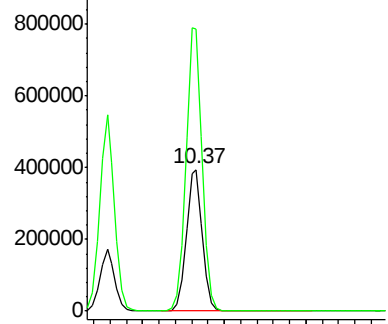
#68
m/p-Xvlenes
Concen: 99.87 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MSD

Tot Ion:106 Resp: 547707
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2

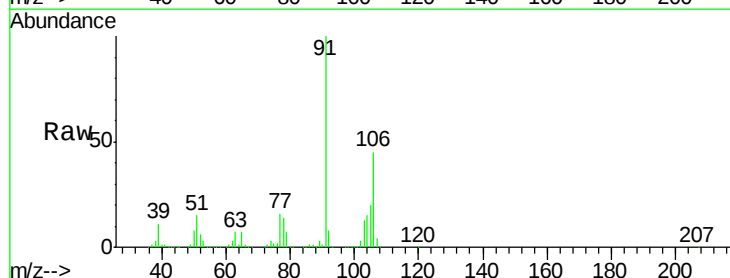


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

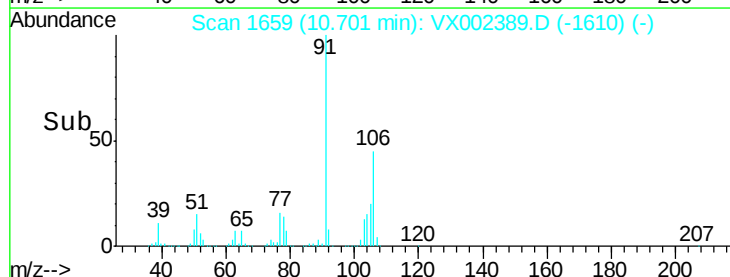
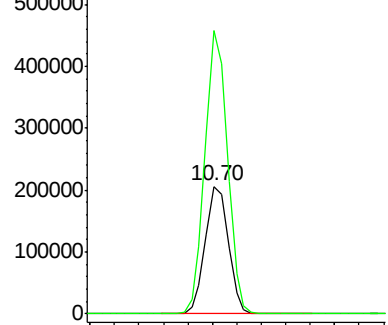


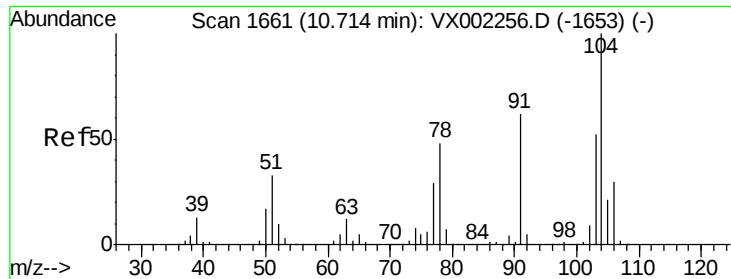
#69
o-Xylene
Concen: 49.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion:106 Resp: 269573
Ion Ratio Lower Upper
106 100
91 215.5 108.2 324.6



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

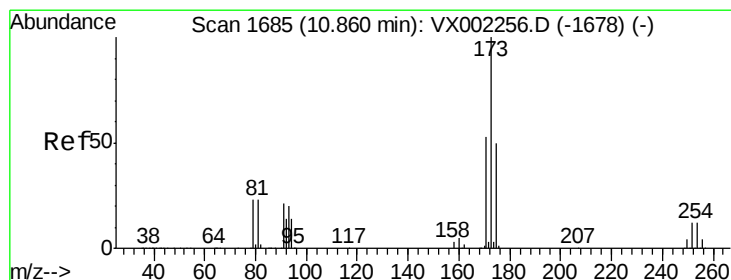
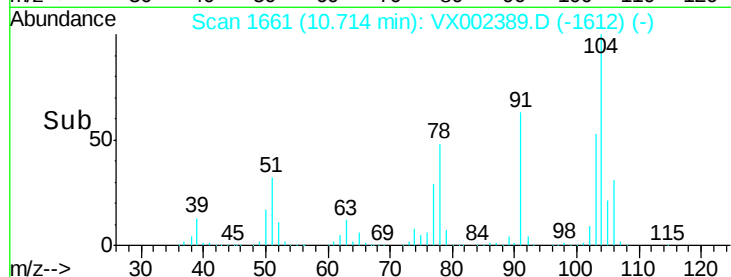
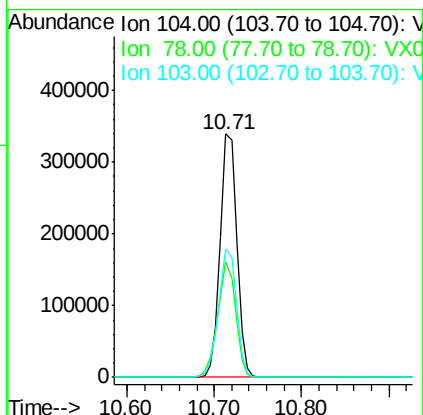
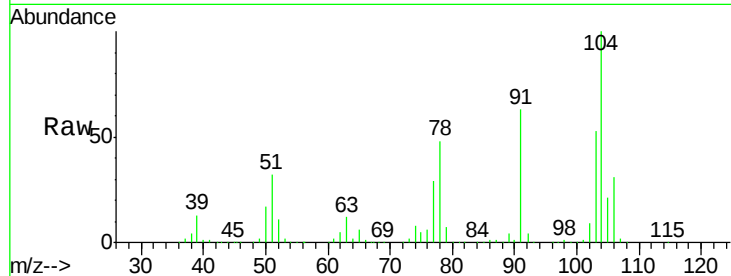




#70
Stvrene
Concen: 50.22 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

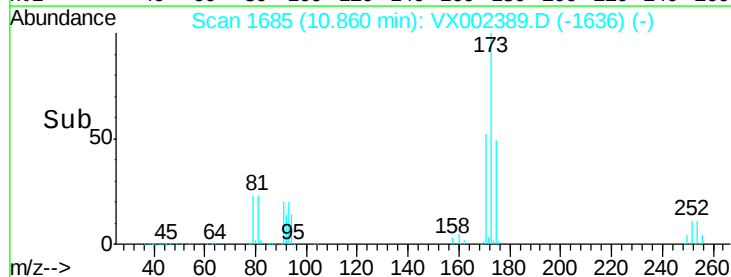
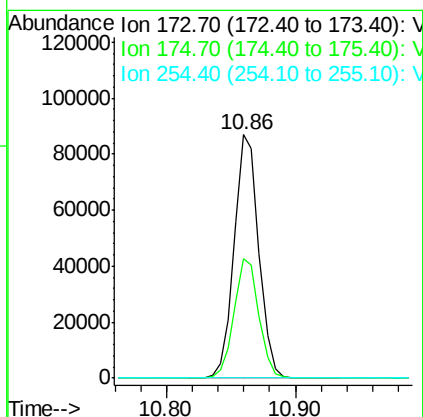
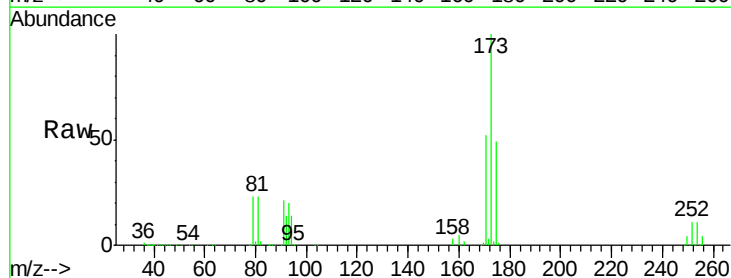
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

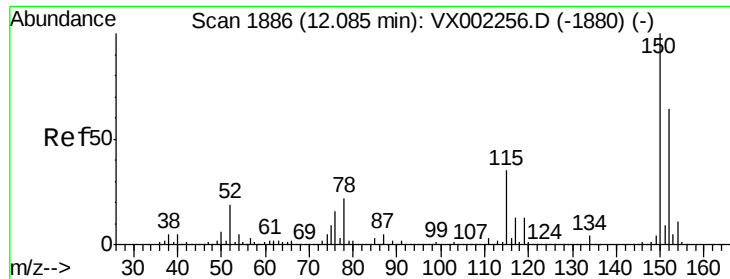
Tot Ion:104 Resp: 448009
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.6
103 56.4 44.2 66.4



#71
Bromoform
Concen: 42.87 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion:173 Resp: 115752
Ion Ratio Lower Upper
173 100
175 49.4 24.7 74.1
254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

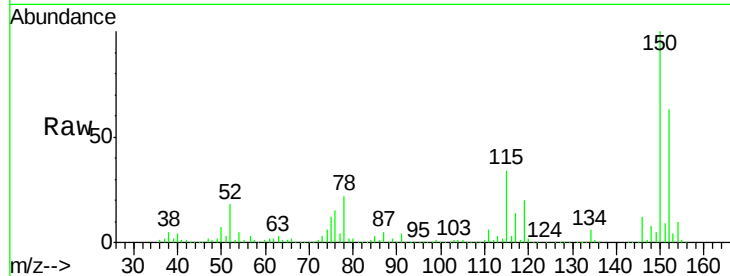
Tot Ion:152 Resp: 216353

Ion Ratio Lower Upper

152 100

115 79.1 40.1 120.2

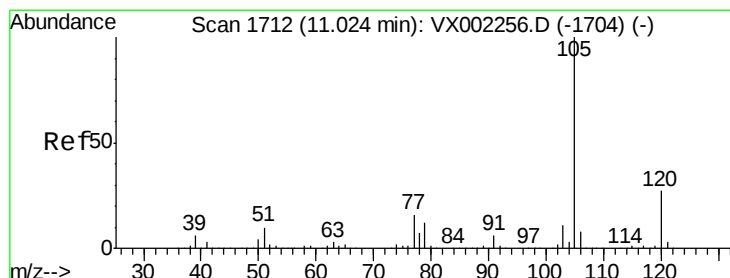
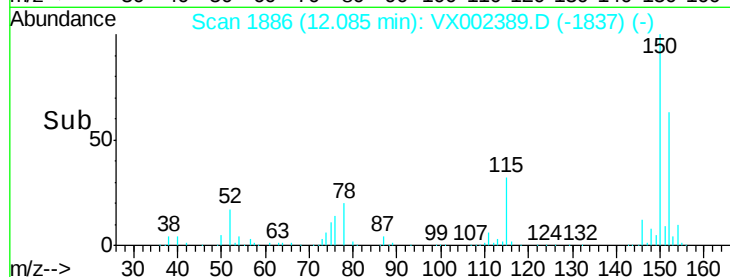
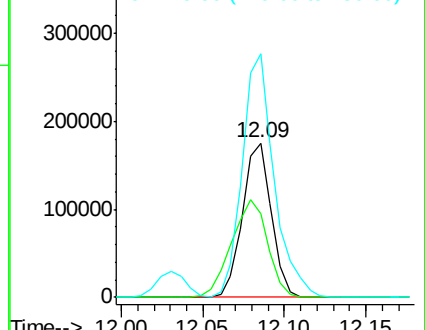
150 174.1 0.0 347.2



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: 48.45 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002389.D

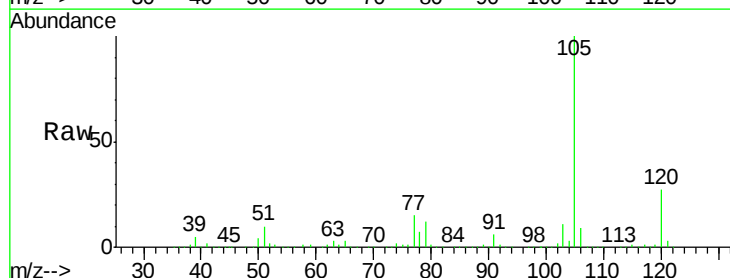
Acq: 07 Jun 2018 20:20

Tgt Ion:105 Resp: 729188

Ion Ratio Lower Upper

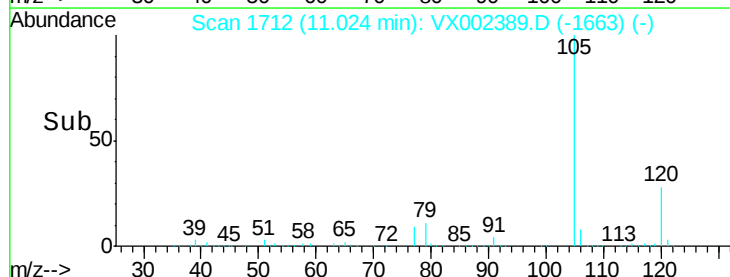
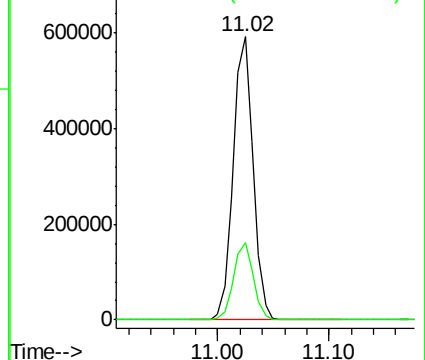
105 100

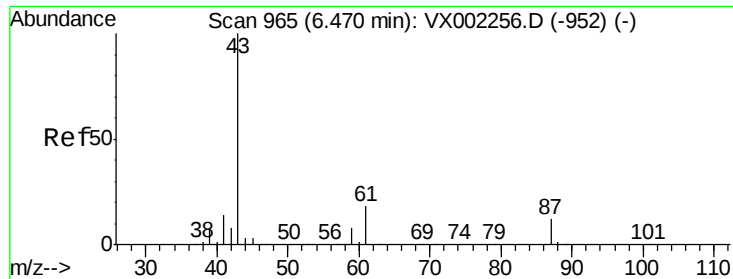
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 41.82 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

Tot Ion: 43 Resp: 339169

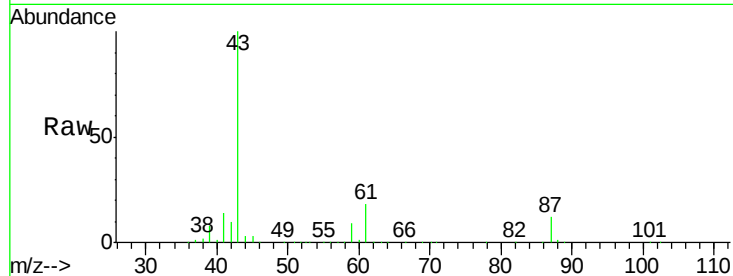
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 17.9 14.4 21.6

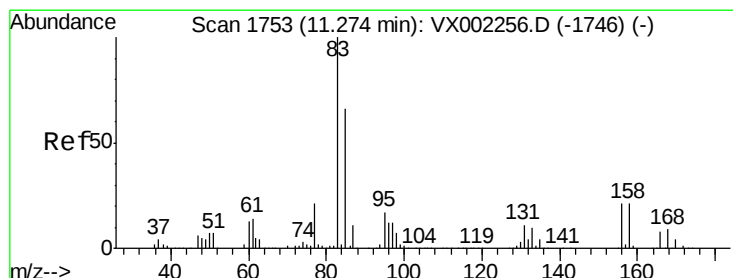
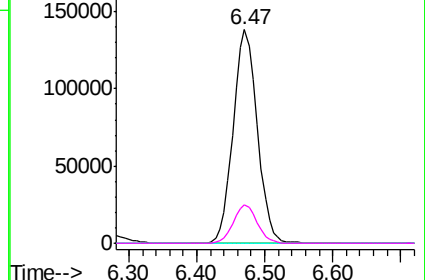
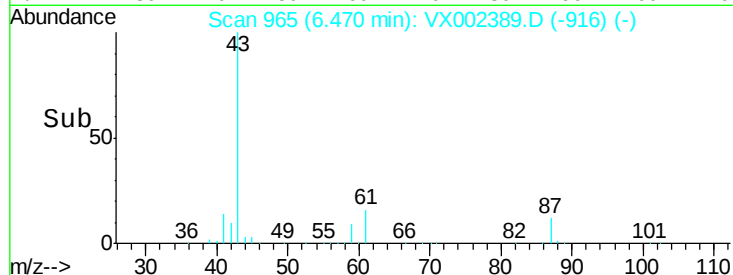


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 46.57 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

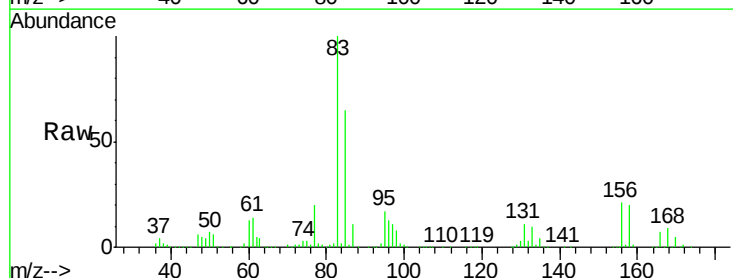
Tgt Ion: 83 Resp: 220435

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

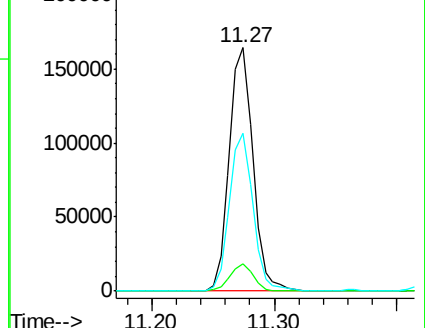
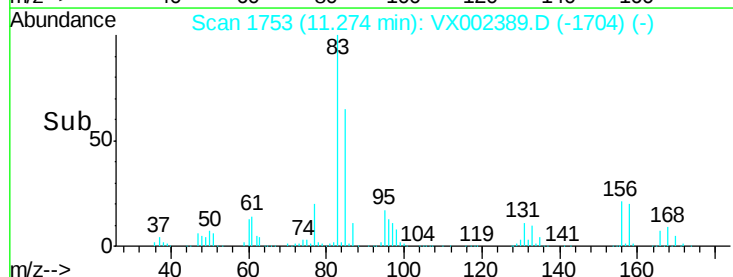
85 64.5 32.4 97.2

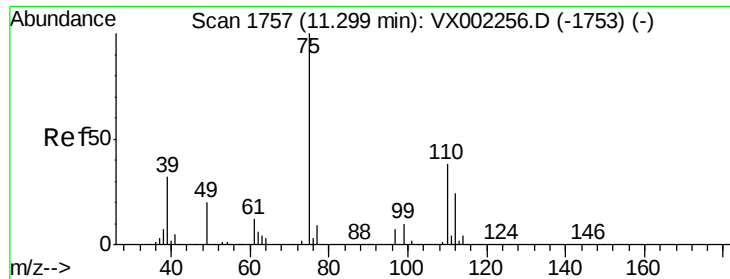


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

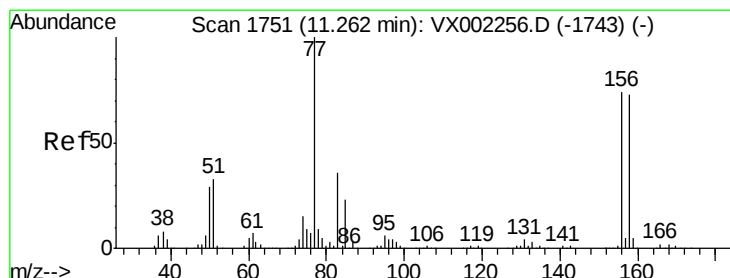
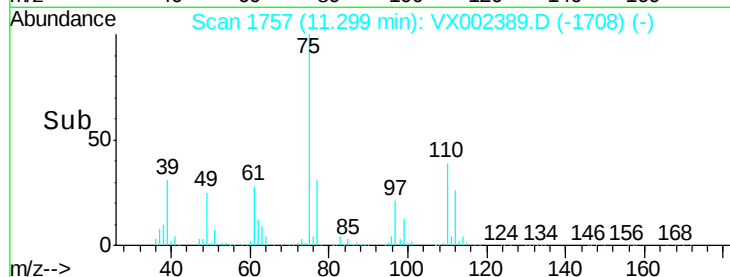
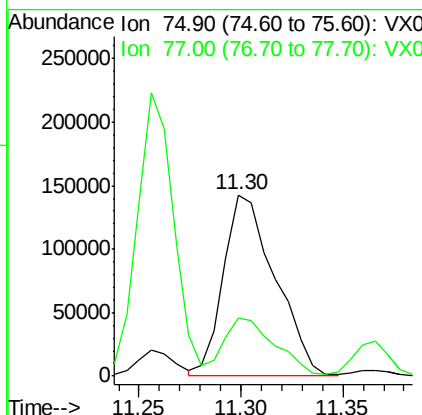
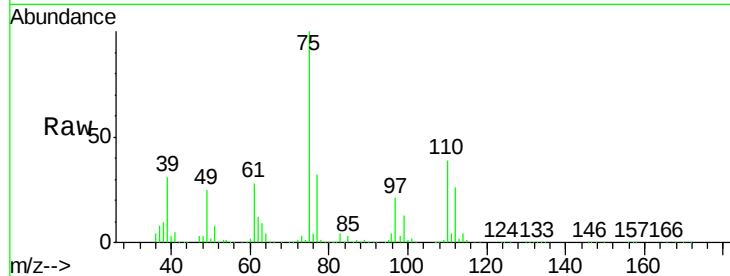




#76
 1,2,3-Trichloropropane
 Concen: 52.83 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

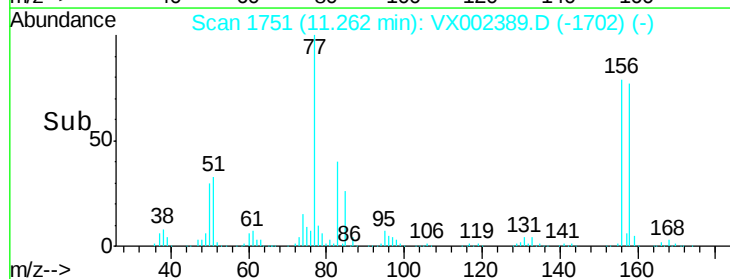
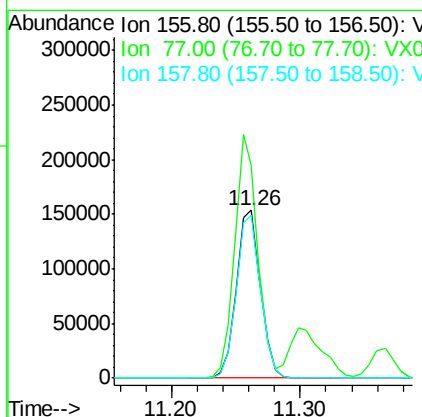
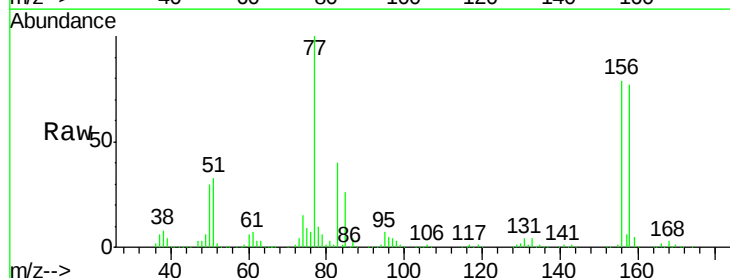
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

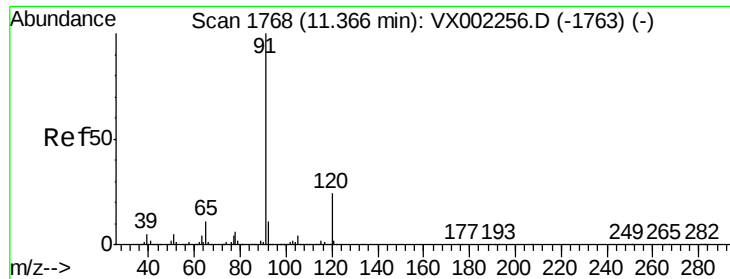
Tot Ion: 75 Resp: 250817
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.8 68.3



#77
 Bromobenzene
 Concen: 47.19 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 156 Resp: 199381
 Ion Ratio Lower Upper
 156 100
 77 138.3 71.4 214.2
 158 97.5 48.9 146.6





#78

n-propylbenzene

Concen: 49.76 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

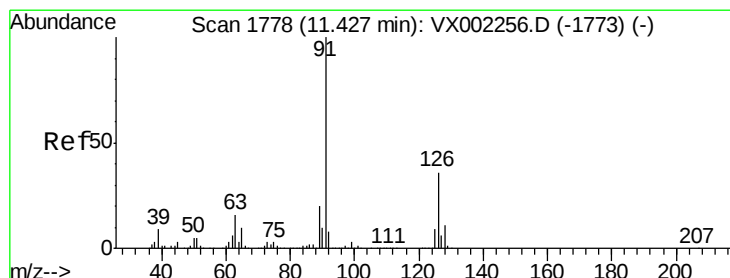
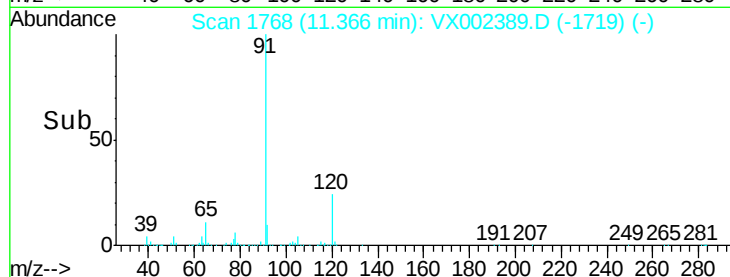
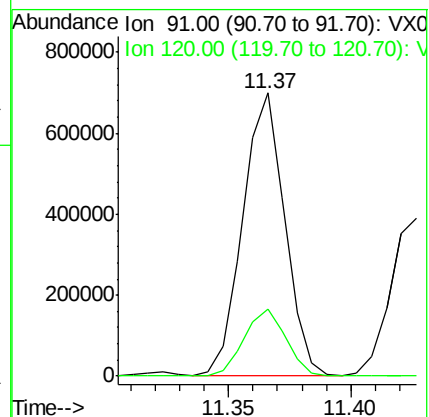
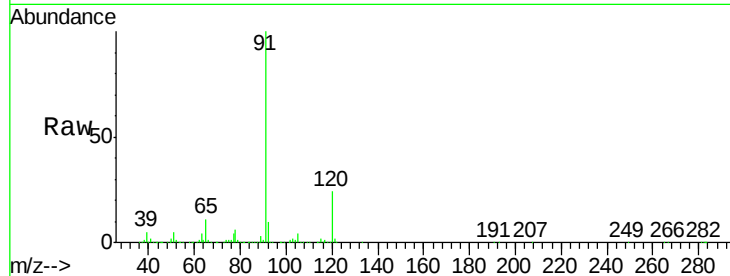
LF5-0064MSD

Tot Ion: 91 Resp: 832419

Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.4



#79

2-Chlorotoluene

Concen: 46.48 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002389.D

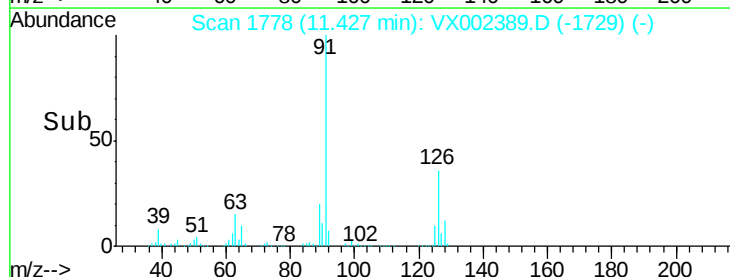
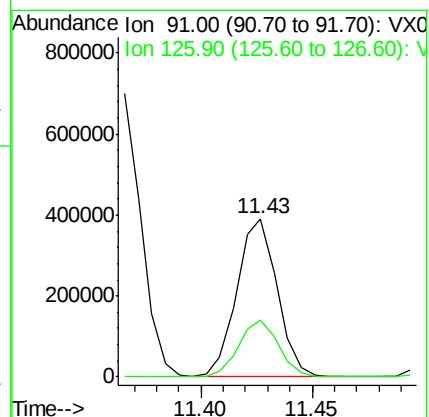
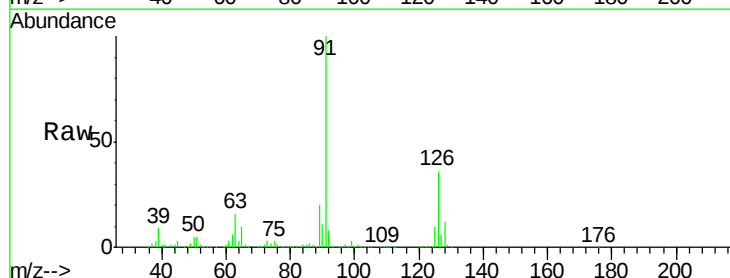
Acq: 07 Jun 2018 20:20

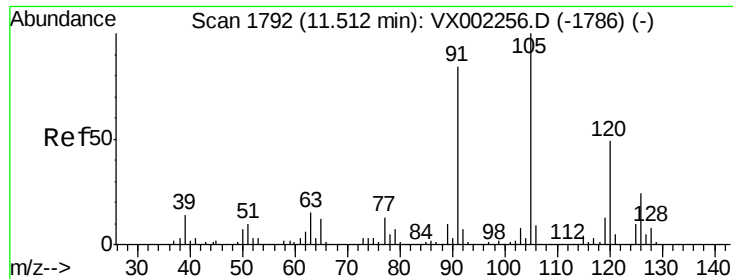
Tgt Ion: 91 Resp: 490952

Ion Ratio Lower Upper

91 100

126 35.7 17.7 53.1

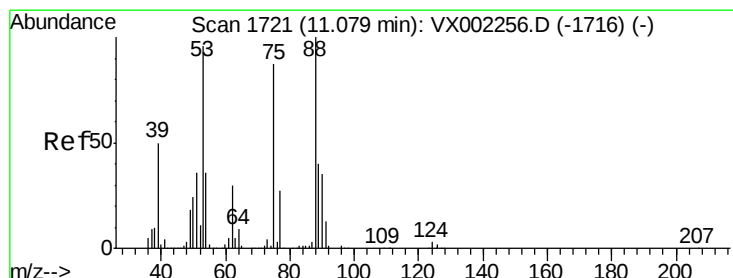
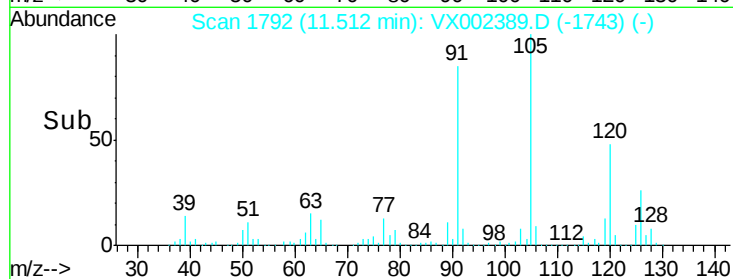
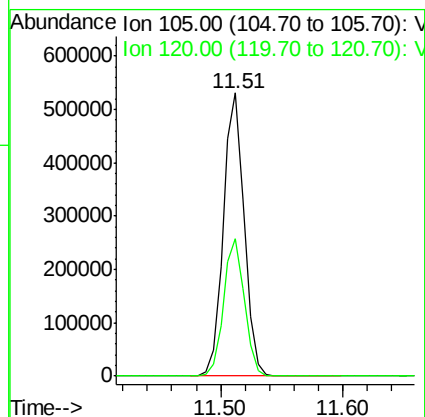
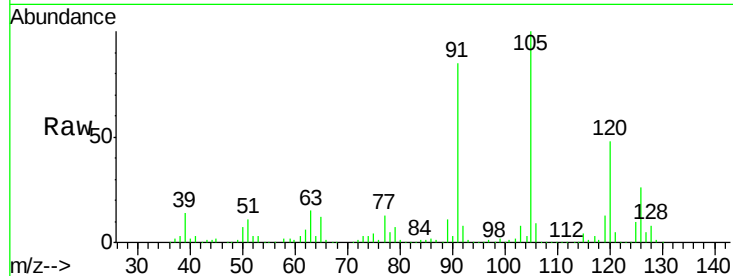




#80
 1,3,5-Trimethylbenzene
 Concen: 48.36 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

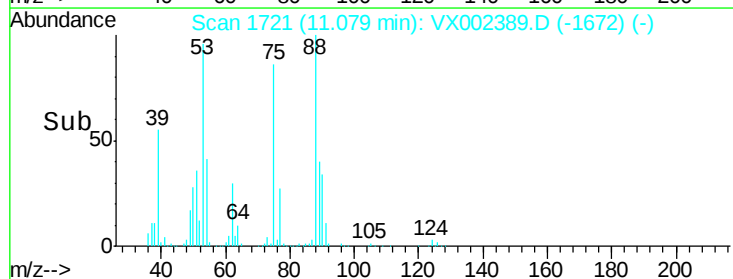
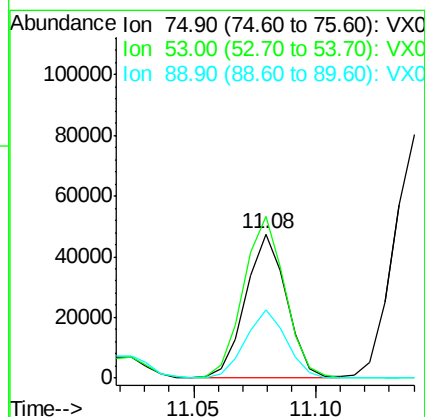
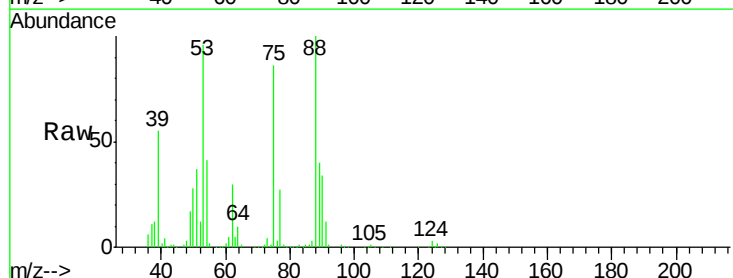
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

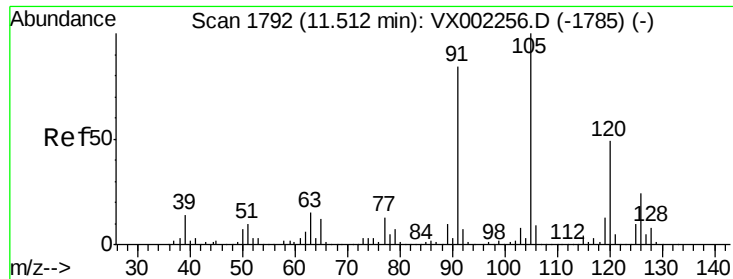
Tot Ion:105 Resp: 624238
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.00 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 75 Resp: 55532
 Ion Ratio Lower Upper
 75 100
 53 113.4 86.8 130.2
 89 47.4 38.2 57.2

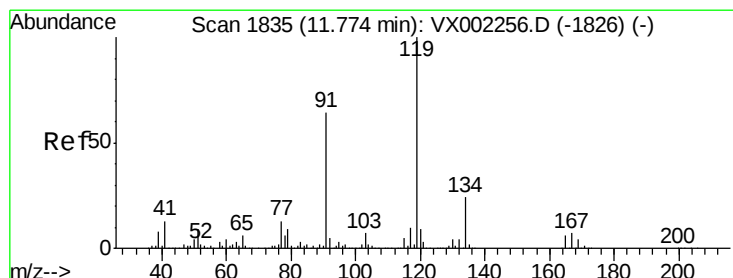
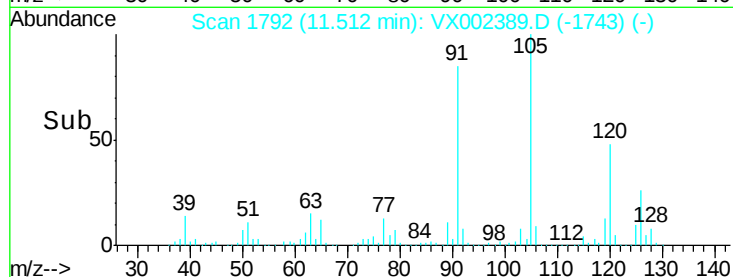
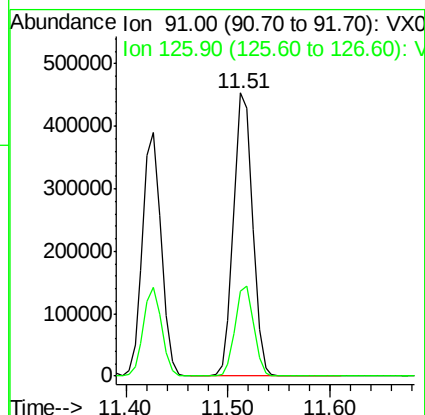
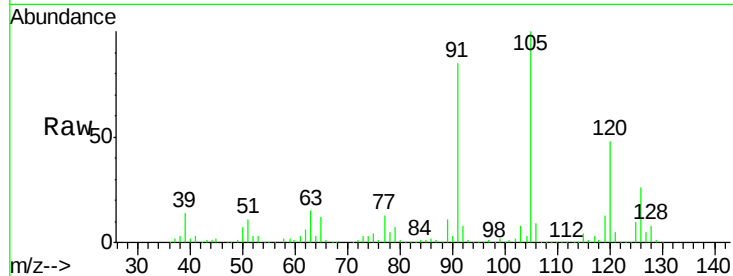




#82
4-Chlorotoluene
Concen: 47.68 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

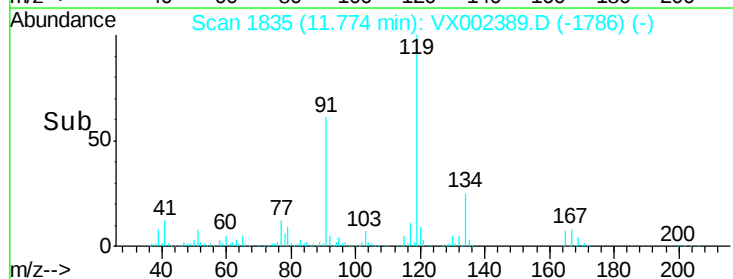
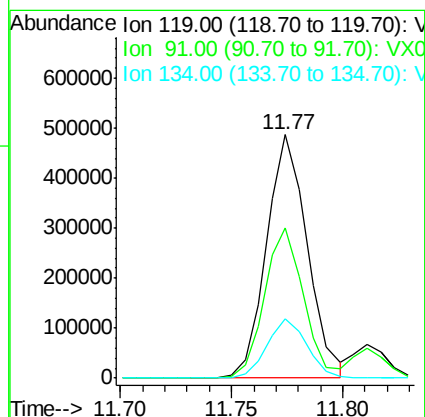
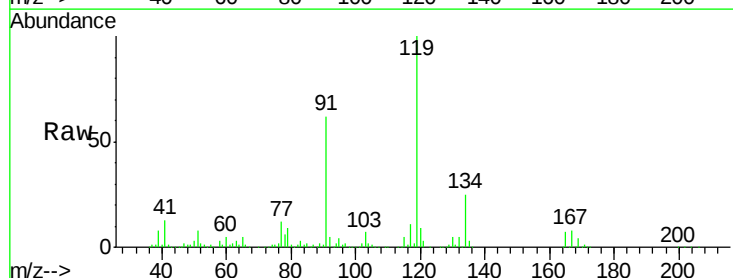
Instrument :
MSVOA_X
ClientSampled :
LF5-0064MSD

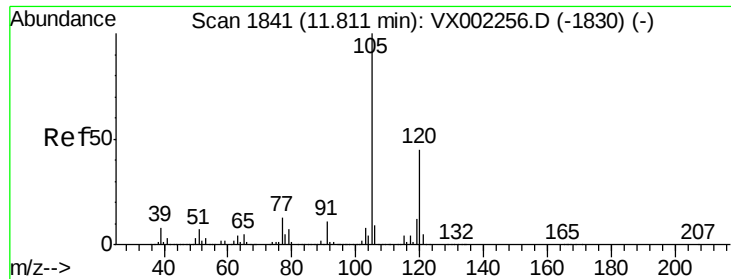
Tot Ion: 91 Resp: 581296
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.4



#83
tert-Butylbenzene
Concen: 49.16 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion: 119 Resp: 617928
Ion Ratio Lower Upper
119 100
91 59.5 30.3 90.9
134 23.9 11.7 35.1

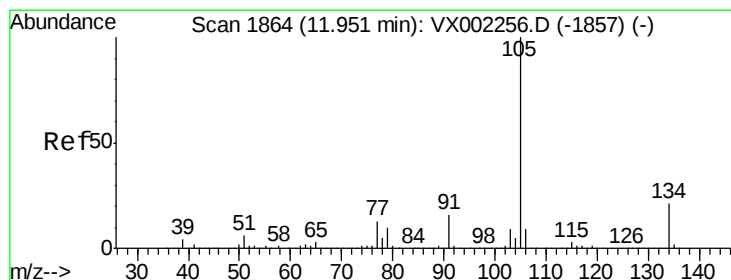
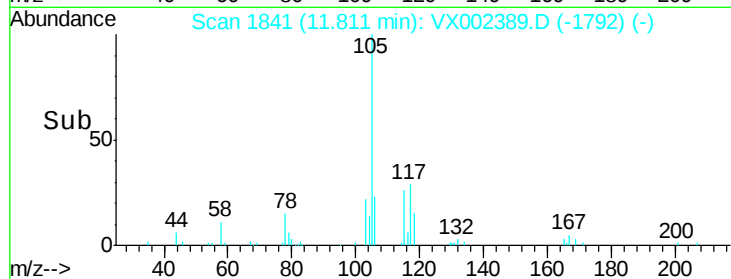
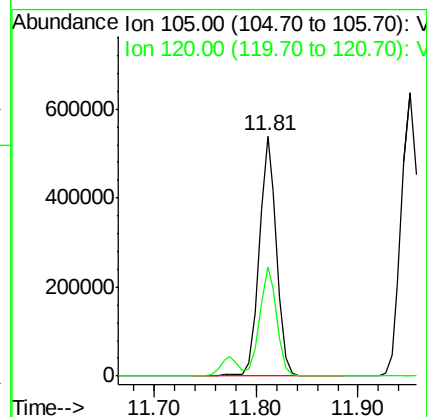
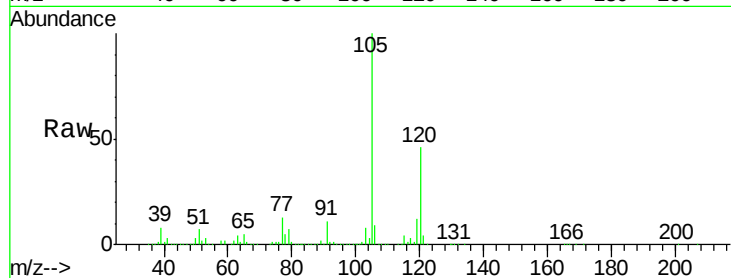




#84
1,2,4-Trimethylbenzene
Concen: 48.03 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

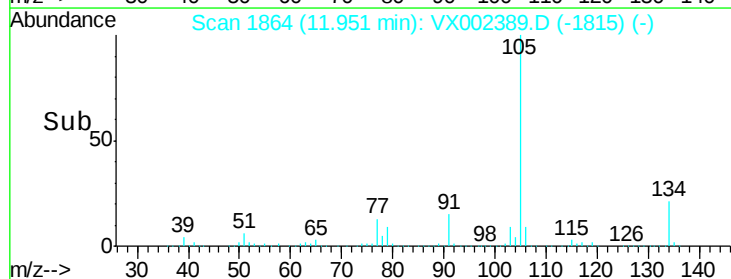
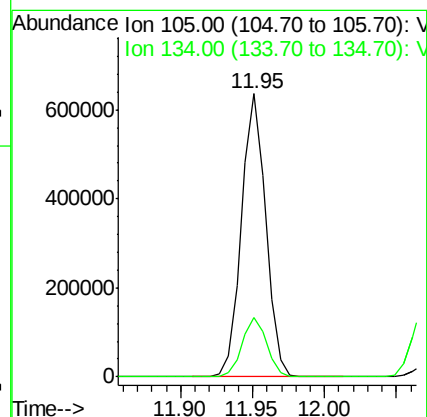
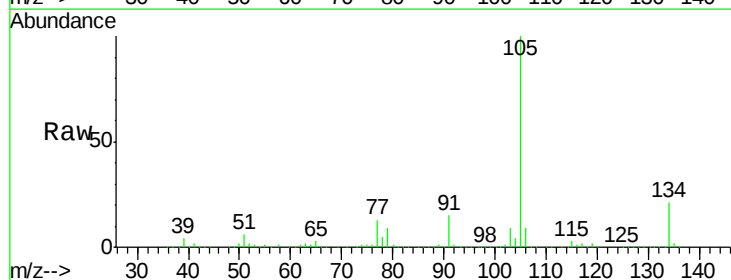
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

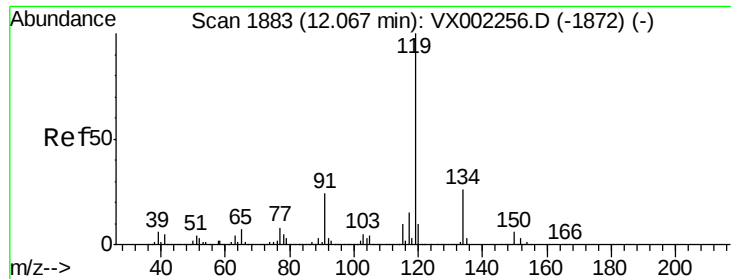
Tot Ion:105 Resp: 638205
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.8



#85
sec-Butylbenzene
Concen: 50.76 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion:105 Resp: 748020
Ion Ratio Lower Upper
105 100
134 21.1 10.4 31.1

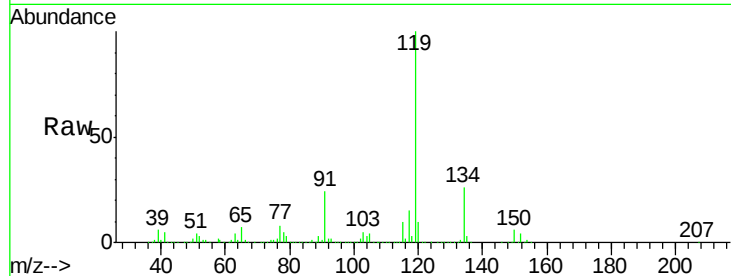




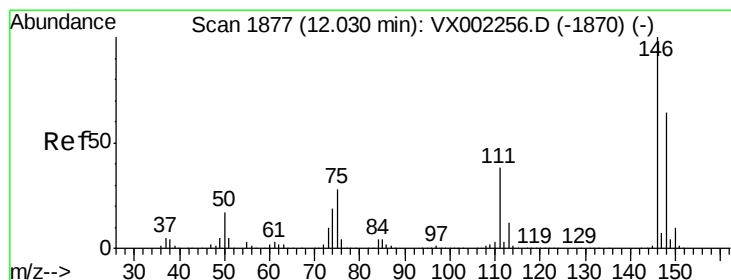
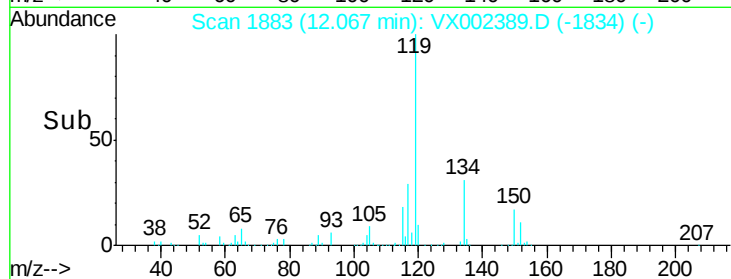
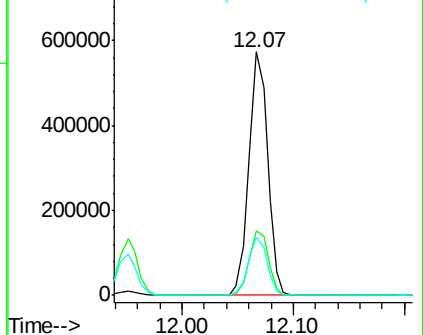
#86
p-Isopropyltoluene
Concen: 50.44 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	24.0	11.9	35.7

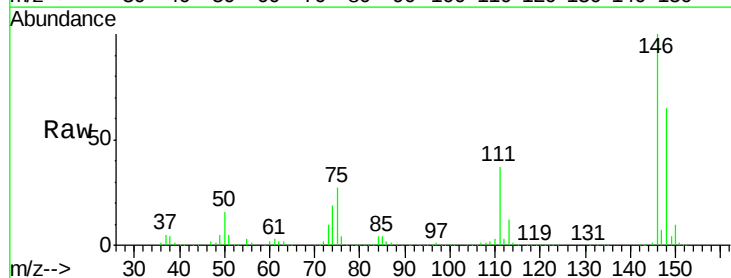


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

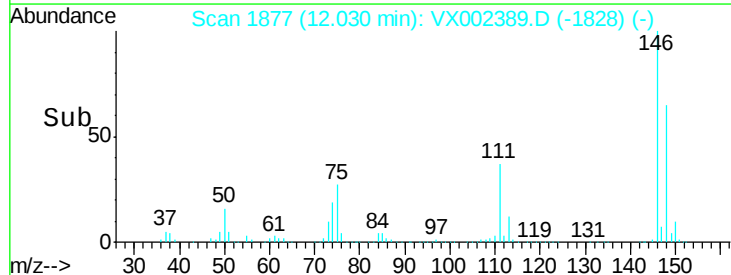
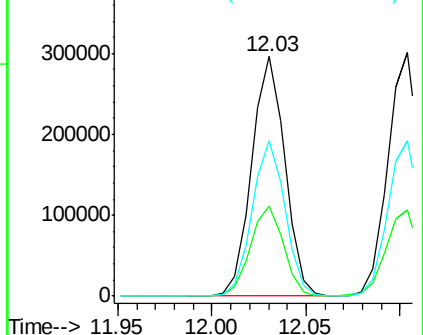


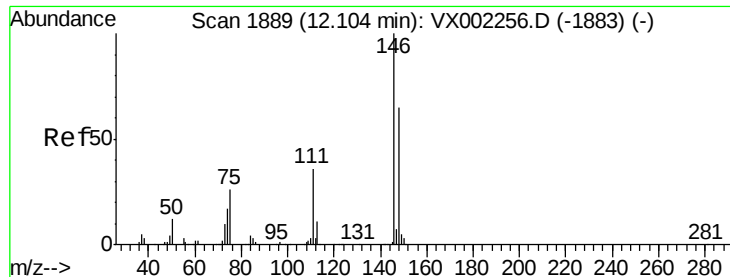
#87
1,3-Dichlorobenzene
Concen: 47.80 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX002389.D
Acq: 07 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	64.4	32.1	96.3



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





#88

1,4-Dichlorobenzene

Concen: 47.11 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

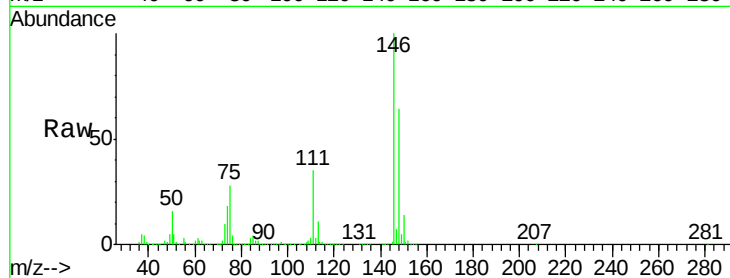
Tot Ion:146 Resp: 366877

Ion Ratio Lower Upper

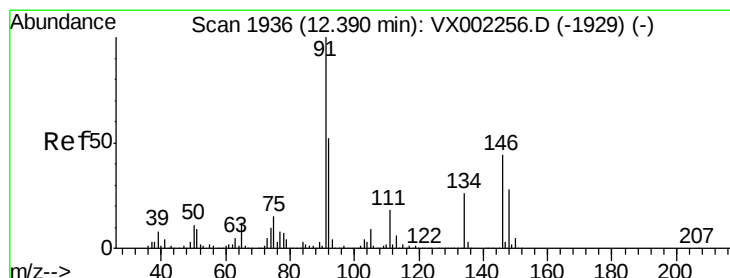
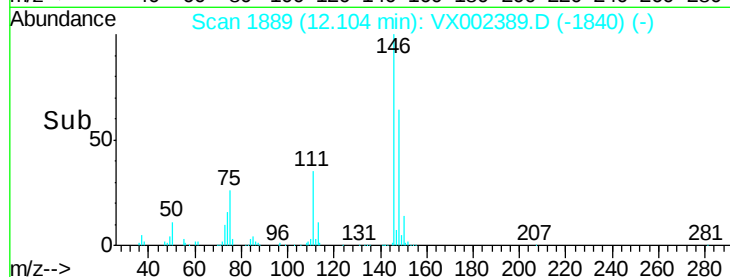
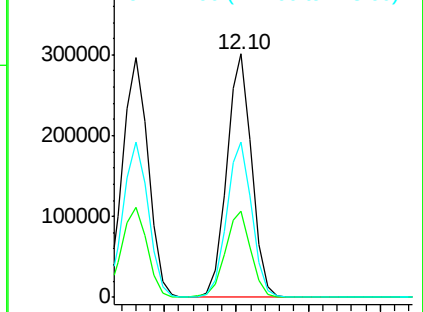
146 100

111 36.4 18.7 56.1

148 64.2 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: 51.33 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

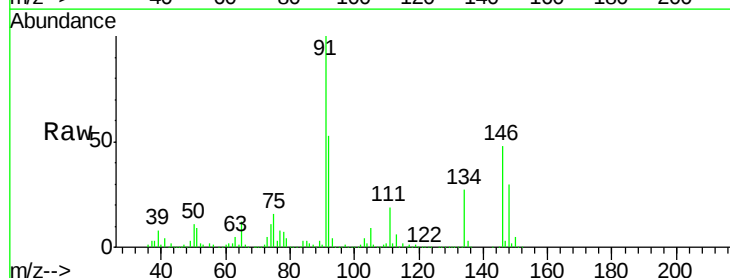
Tgt Ion: 91 Resp: 577832

Ion Ratio Lower Upper

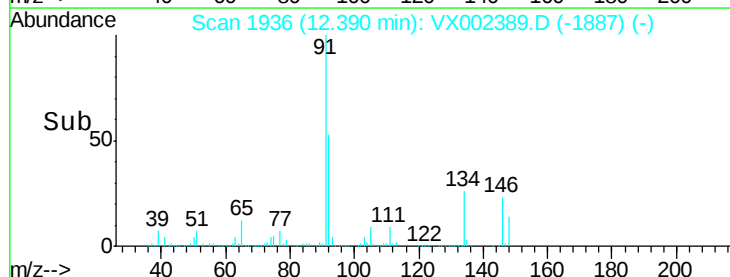
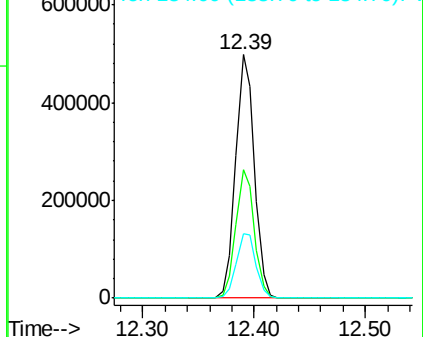
91 100

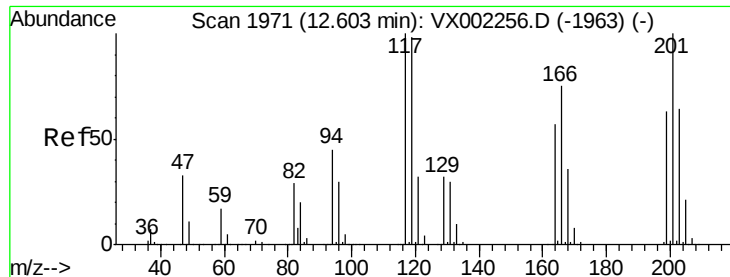
92 52.1 26.0 78.0

134 27.4 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: 47.12 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampled :

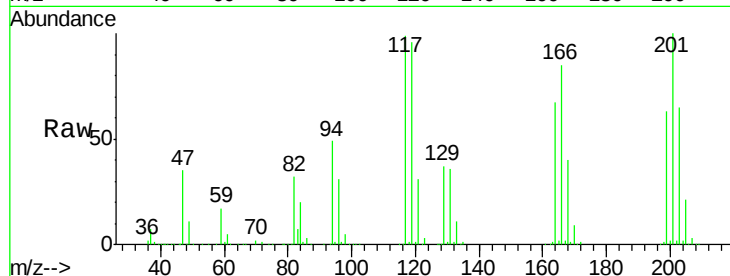
LF5-0064MSD

Tot Ion:117 Resp: 100958

Ion Ratio Lower Upper

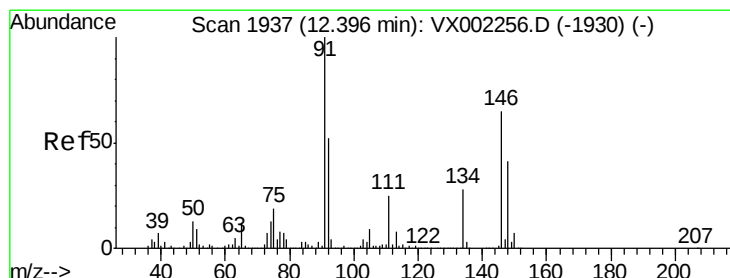
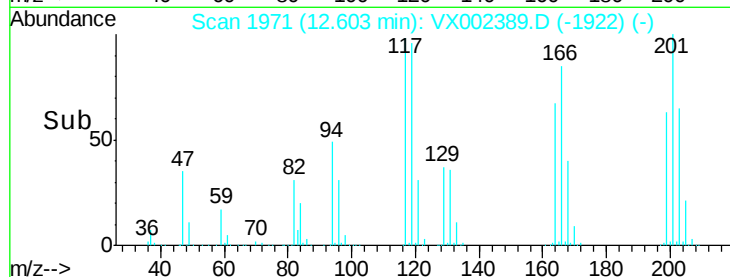
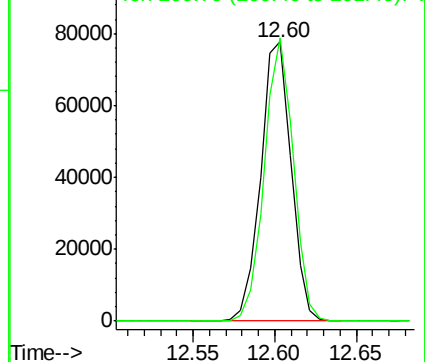
117 100

201 96.0 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: 47.52 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

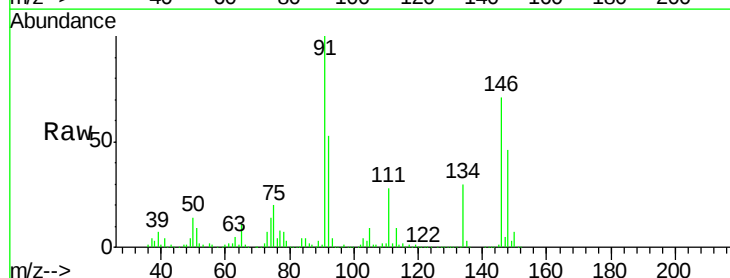
Tgt Ion:146 Resp: 371414

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

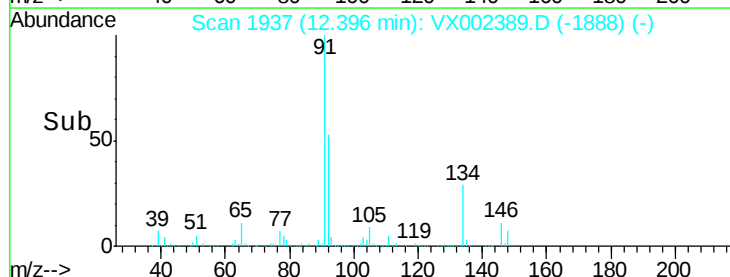
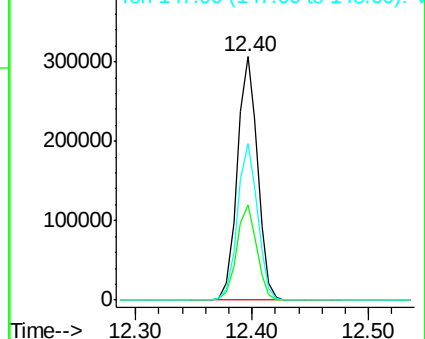
148 63.9 31.7 95.1

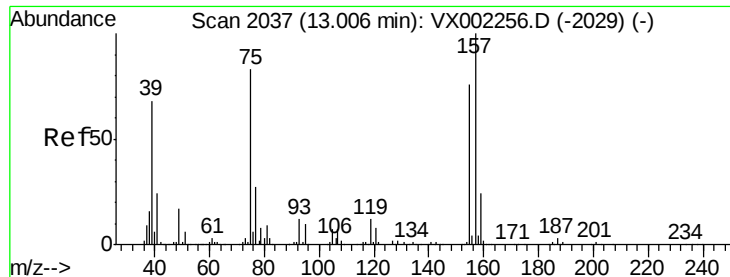


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

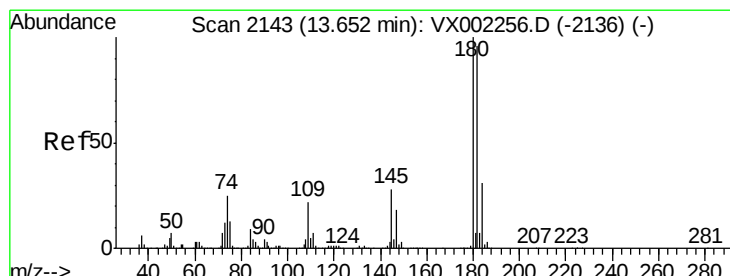
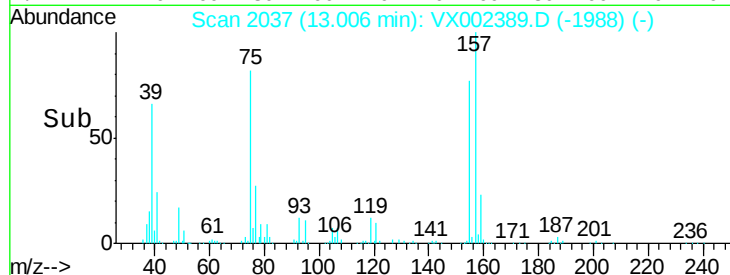
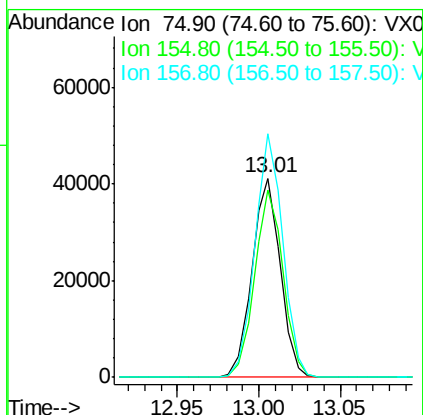
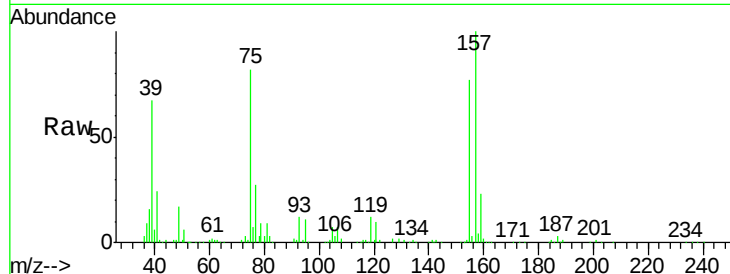




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.07 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

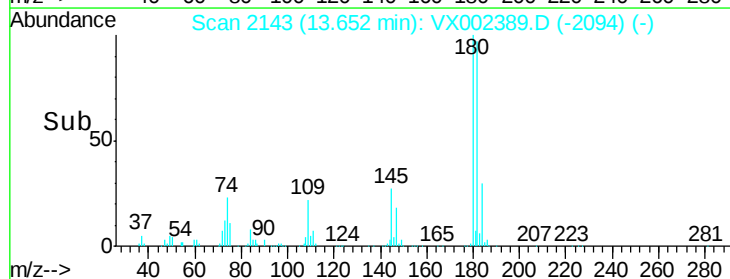
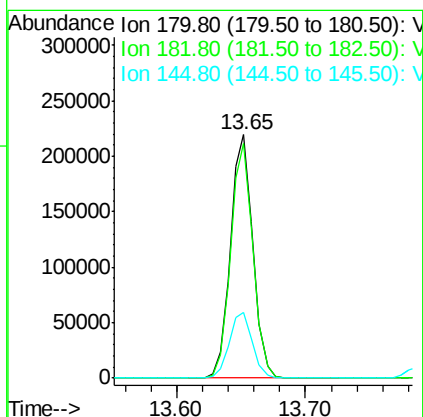
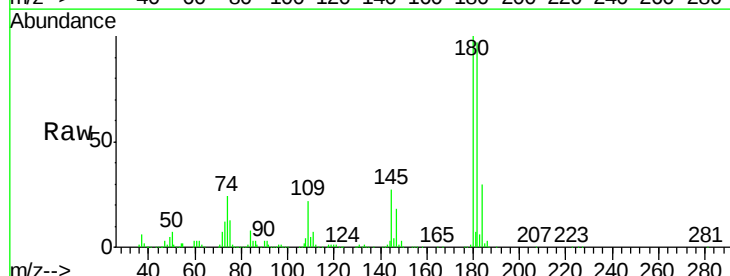
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

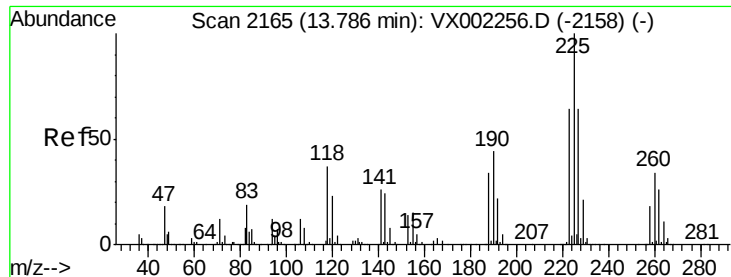
Tot Ion: 75 Resp: 49762
 Ion Ratio Lower Upper
 75 100
 155 94.2 45.8 137.4
 157 120.7 60.1 180.3



#93
 1,2,4-Trichlorobenzene
 Concen: 48.55 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Tgt Ion: 180 Resp: 266111
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.7 143.1
 145 27.9 14.1 42.4





#94

Hexachlorobutadiene

Concen: 52.13 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MSD

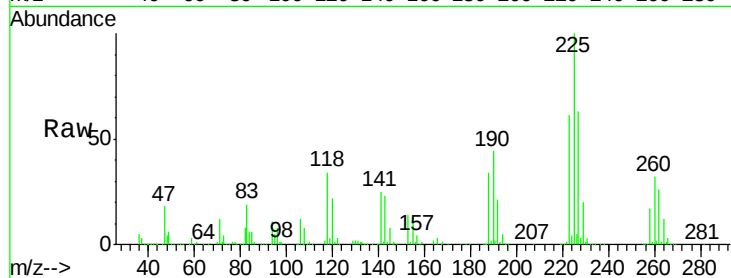
Tot Ion:225 Resp: 141182

Ion Ratio Lower Upper

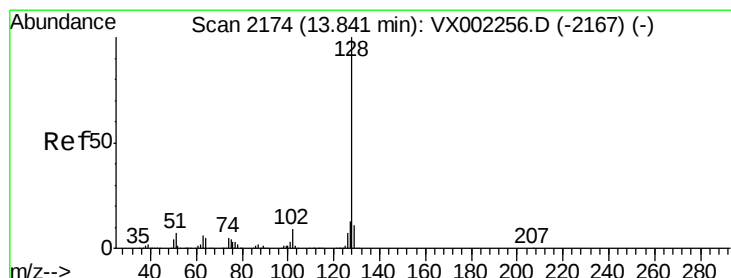
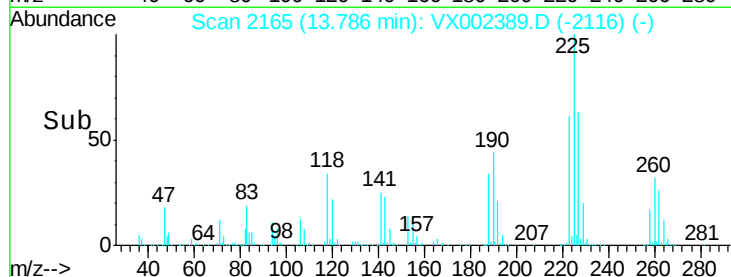
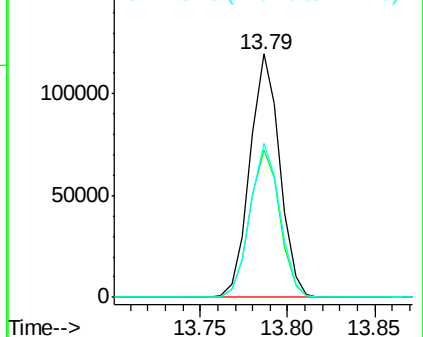
225 100

223 61.3 31.6 95.0

227 63.2 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: 49.42 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002389.D

Acq: 07 Jun 2018 20:20

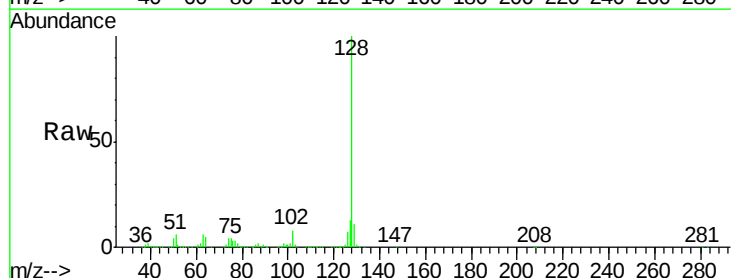
Tgt Ion:128 Resp: 778217

Ion Ratio Lower Upper

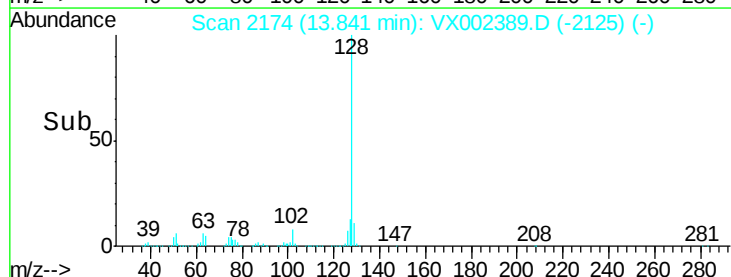
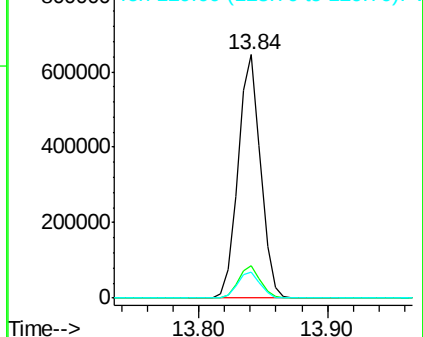
128 100

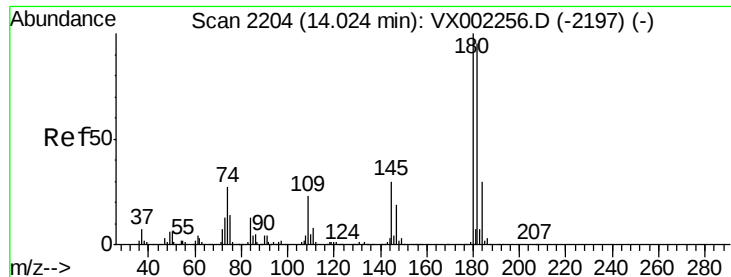
127 13.0 10.4 15.6

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

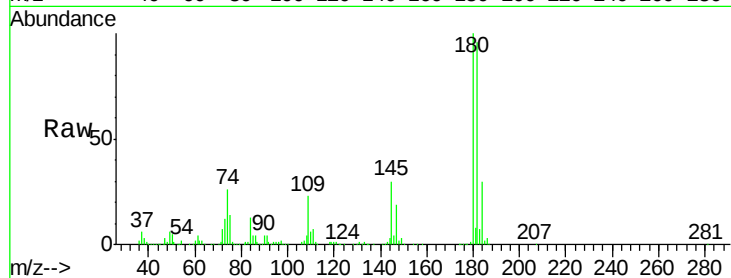




#96
 1,2,3-Trichlorobenzene
 Concen: 48.96 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002389.D
 Acq: 07 Jun 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	29.6	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

