

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060718\
 Data File : VX002388.D
 Acq On : 07 Jun 2018 19:53
 Operator : JC/MD
 Sample : J3340-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Quant Time: Jun 08 01:48:11 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	227719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160621	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.51	113	124584	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	8.72	98	475879	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.14	95	183518	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	116502	49.21	ug/l	98
3) Chloromethane	1.32	50	133850	49.31	ug/l	98
4) Vinyl Chloride	1.41	62	153141	51.33	ug/l	99
5) Bromomethane	1.64	94	81875	48.39	ug/l	98
6) Chloroethane	1.72	64	100903	52.28	ug/l	100
7) Trichlorofluoromethane	1.93	101	256989	56.54	ug/l	98
8) Diethyl Ether	2.19	74	94107	58.67	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	140713	57.36	ug/l	99
10) Methyl Iodide	2.51	142	138829	40.24	ug/l	99
11) Tert butyl alcohol	3.08	59	196001	297.44	ug/l	99
12) 1,1-Dichloroethene	2.37	96	129769	53.53	ug/l	99
13) Acrolein	2.30	56	66998	205.47	ug/l	100
14) Allyl chloride	2.73	41	259652	49.35	ug/l	99
15) Acrylonitrile	3.15	53	411088	298.50	ug/l	100
16) Acetone	2.45	43	388157	279.41	ug/l	99
17) Carbon Disulfide	2.57	76	304096	47.59	ug/l	98
18) Methyl Acetate	2.78	43	187594	57.93	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	492063	58.70	ug/l	99
20) Methylene Chloride	2.86	84	147014	57.51	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	138431	51.78	ug/l	98
22) Diisopropyl ether	3.87	45	459022	52.29	ug/l	94
23) Vinyl Acetate	3.83	43	1879673	220.40	ug/l	100
24) 1,1-Dichloroethane	3.70	63	230785	44.38	ug/l	98
25) 2-Butanone	4.71	43	531324	237.97	ug/l	99
26) 2,2-Dichloropropane	4.59	77	169050	41.59	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	138208	47.54	ug/l	94
28) Bromochloromethane	5.03	49	121145	55.15	ug/l	100
29) Tetrahydrofuran	5.17	42	347810	241.61	ug/l	99
30) Chloroform	5.22	83	248588	49.54	ug/l	99
31) Cyclohexane	5.57	56	207445	50.45	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	215344	50.61	ug/l	99
36) 1,1-Dichloropropene	5.81	75	176740	50.45	ug/l	99
37) Ethyl Acetate	4.87	43	199485	47.35	ug/l	100
38) Carbon Tetrachloride	5.79	117	187630	51.20	ug/l	99

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 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	209094	48.32	ug/l	98
40) Benzene	6.15	78	531725	49.50	ug/l	99
41) Methacrylonitrile	5.07	41	118488	49.13	ug/l	98
42) 1,2-Dichloroethane	6.20	62	210067	49.23	ug/l	100
43) Isopropyl Acetate	6.47	43	339761	47.48	ug/l	100
44) Trichloroethene	7.22	130	150968	50.64	ug/l	95
45) 1,2-Dichloropropane	7.52	63	142522	49.15	ug/l	100
46) Dibromomethane	7.67	93	95973	48.82	ug/l	99
47) Bromodichloromethane	7.90	83	177319	49.88	ug/l	98
48) Methyl methacrylate	7.78	41	178129	49.56	ug/l	98
49) 1,4-Dioxane	7.76	88	71454	1063.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1152160	258.56	ug/l	99
52) Toluene	8.79	92	350130	51.25	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	206481	48.43	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	195703	48.65	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	144128	51.30	ug/l	99
56) Ethyl methacrylate	9.18	69	223844	49.90	ug/l	99
57) 1,3-Dichloropropane	9.38	76	236647	50.20	ug/l	100
59) 2-Hexanone	9.50	43	886789	257.65	ug/l	99
60) Dibromochloromethane	9.59	129	146335	51.78	ug/l	99
61) 1,2-Dibromoethane	9.68	107	149328	50.97	ug/l	98
64) Tetrachloroethene	9.34	164	163483	48.43	ug/l	97
65) Chlorobenzene	10.15	112	402678	49.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	147780	50.11	ug/l	100
67) Ethyl Benzene	10.26	91	699233	51.30	ug/l	99
68) m/p-Xylenes	10.37	106	543909	102.65	ug/l	99
69) o-Xylene	10.70	106	266916	50.62	ug/l	100
70) Styrene	10.71	104	444108	51.52	ug/l	99
71) Bromoform	10.86	173	113290	43.38	ug/l	100
73) Isopropylbenzene	11.02	105	725802	49.74	ug/l	99
74) N-amyl acetate	6.47	43	339761	43.21	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	219978	47.93	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	252214	54.79	ug/l	79
77) Bromobenzene	11.26	156	196412	47.94	ug/l	99
78) n-propylbenzene	11.37	91	829503	51.14	ug/l	100
79) 2-Chlorotoluene	11.43	91	489334	47.78	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	620250	49.55	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	54498	41.50	ug/l	95
82) 4-Chlorotoluene	11.51	91	582162	49.25	ug/l	100
83) tert-Butylbenzene	11.77	119	620394	50.90	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	643570	49.95	ug/l	100
85) sec-Butylbenzene	11.95	105	749871	52.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	675410	51.89	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	361342	49.33	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	365787	48.45	ug/l	99
89) n-Butylbenzene	12.39	91	578114	52.96	ug/l	100
90) Hexachloroethane	12.60	117	98086	47.21	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	371539	49.02	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49589	49.41	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	265190	49.90	ug/l	100

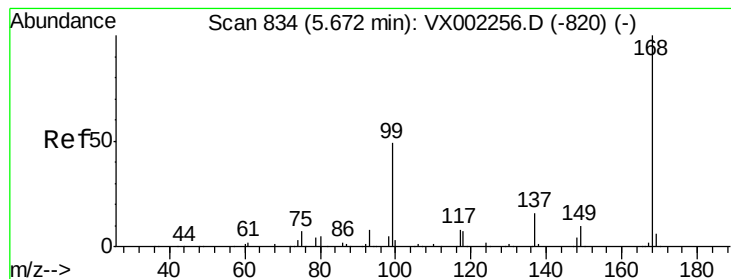
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	140123	53.36	ug/l	98
95) Naphthalene	13.84	128	782060	51.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	272490	50.28	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

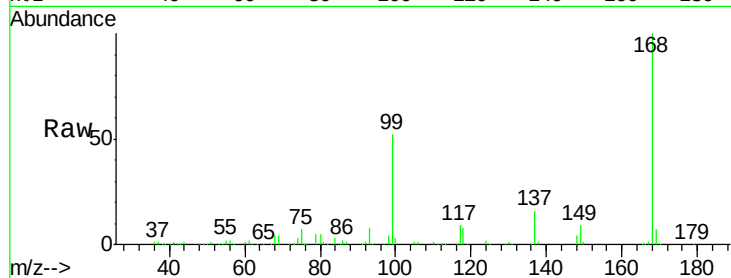
LF5-0064MS

Tot Ion:168 Resp: 227719

Ion Ratio Lower Upper

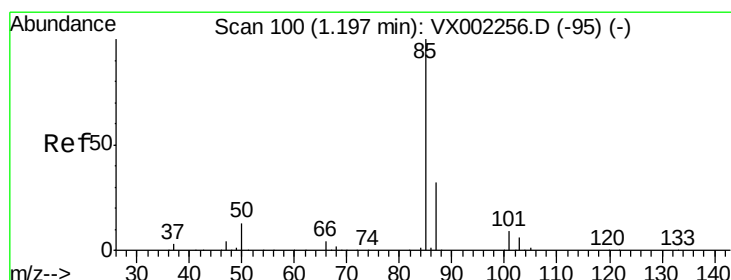
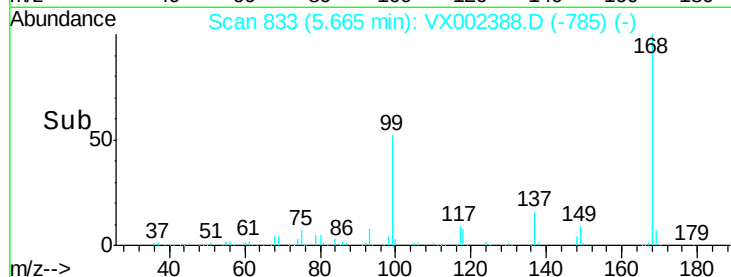
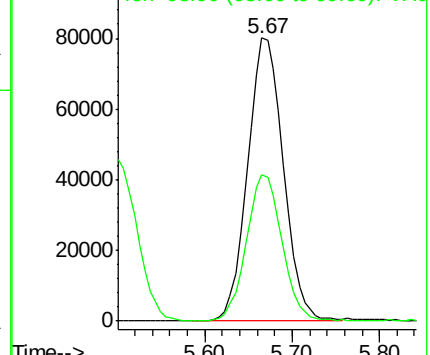
168 100

99 51.5 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: 49.21 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002388.D

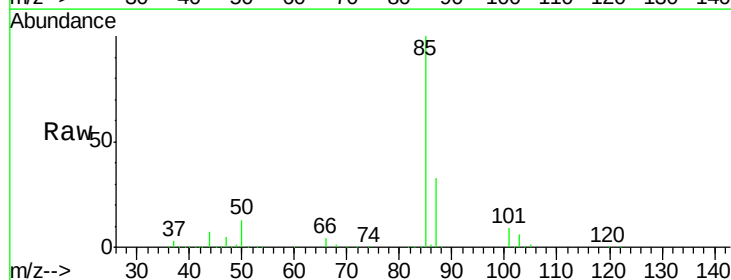
Acq: 07 Jun 2018 19:53

Tgt Ion: 85 Resp: 116502

Ion Ratio Lower Upper

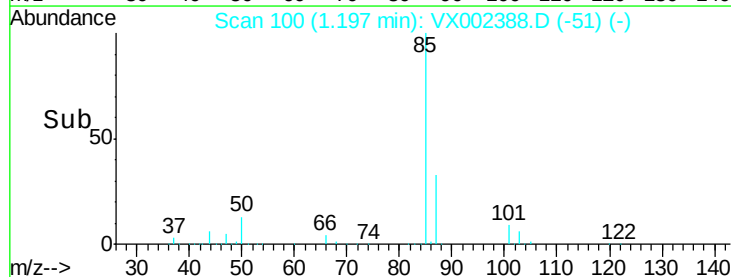
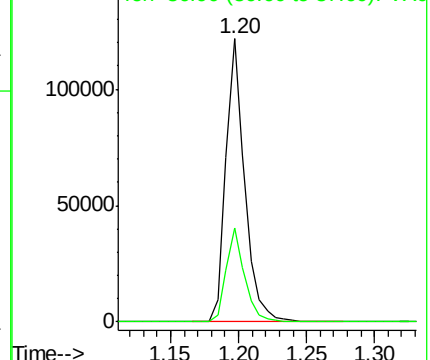
85 100

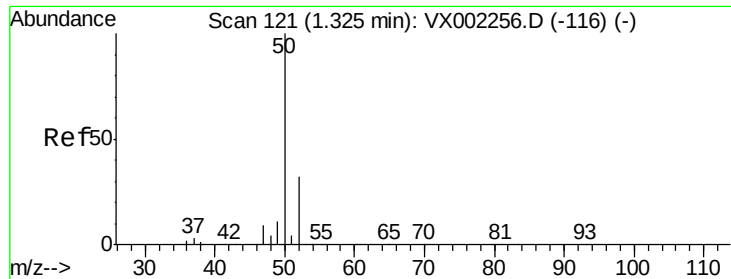
87 33.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

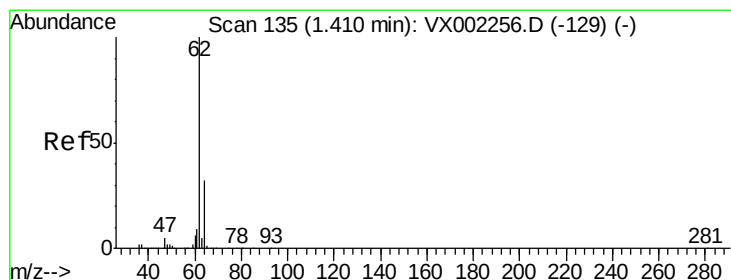
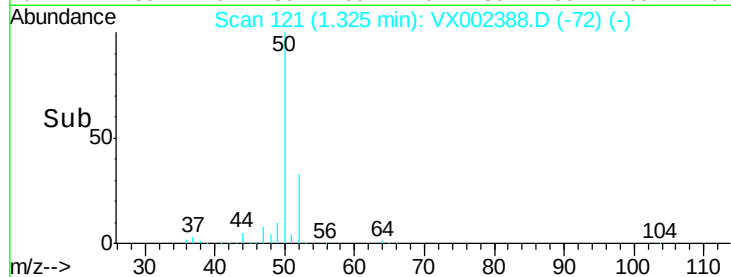
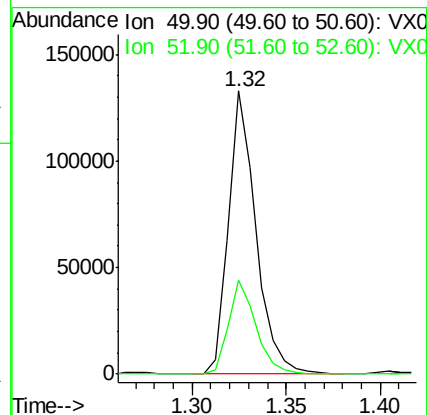
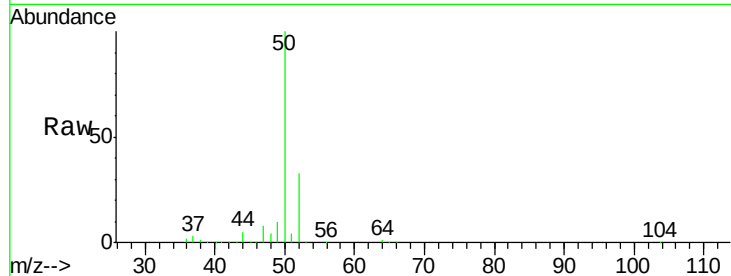
LF5-0064MS

Tot Ion: 50 Resp: 133850

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



#4

Vinyl Chloride

Concen: 51.33 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002388.D

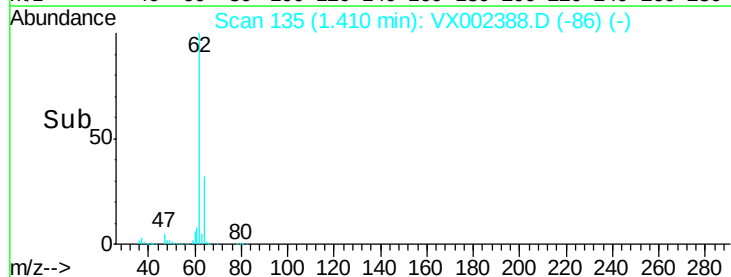
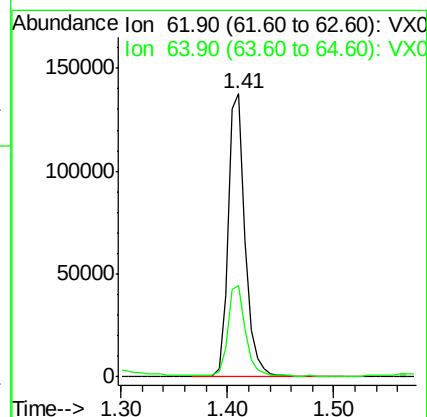
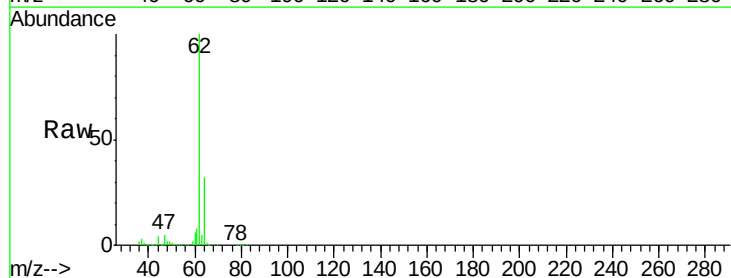
Acq: 07 Jun 2018 19:53

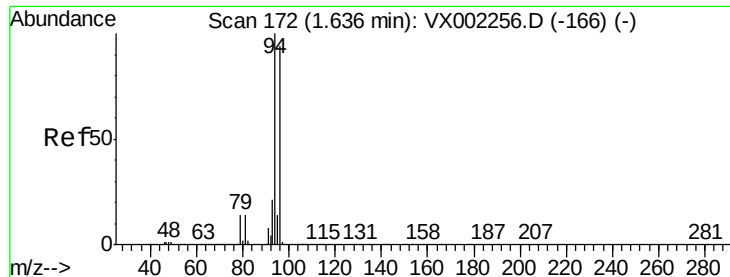
Tgt Ion: 62 Resp: 153141

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 48.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

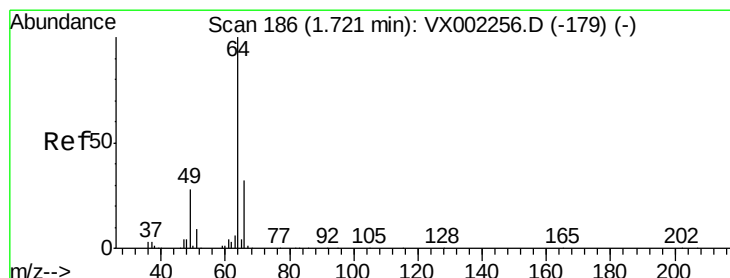
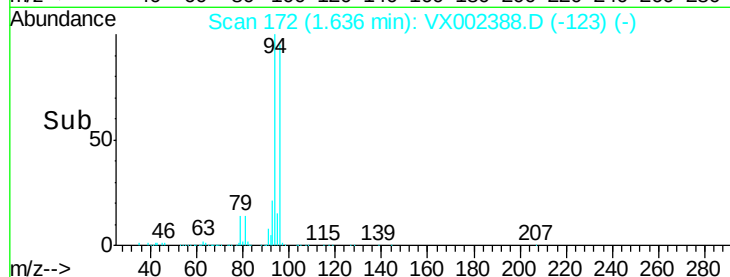
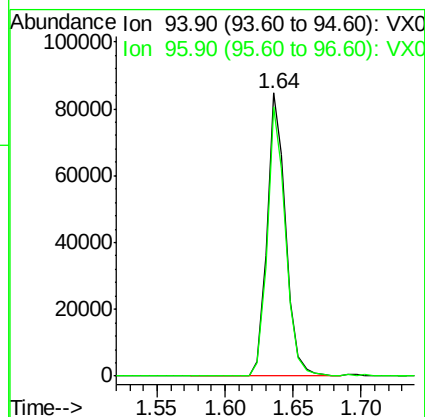
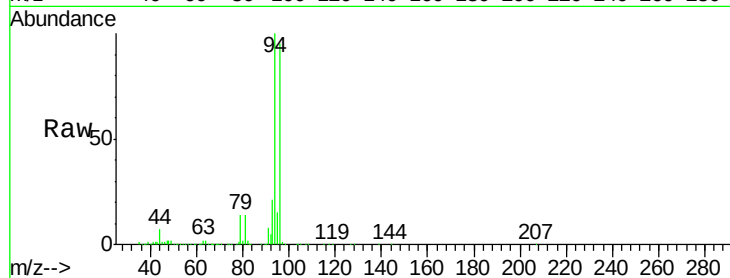
LF5-0064MS

Tot Ion: 94 Resp: 81875

Ion Ratio Lower Upper

94 100

96 95.2 74.9 112.3



#6

Chloroethane

Concen: 52.28 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002388.D

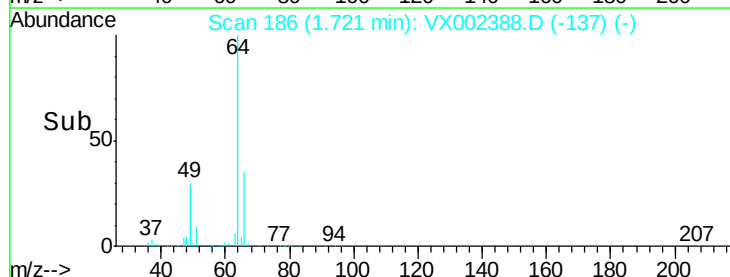
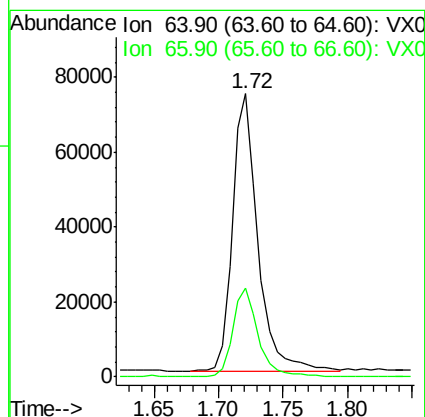
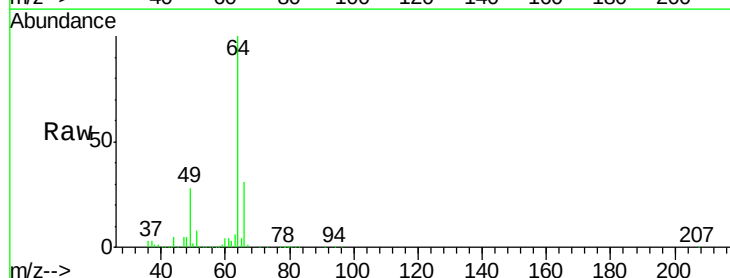
Acq: 07 Jun 2018 19:53

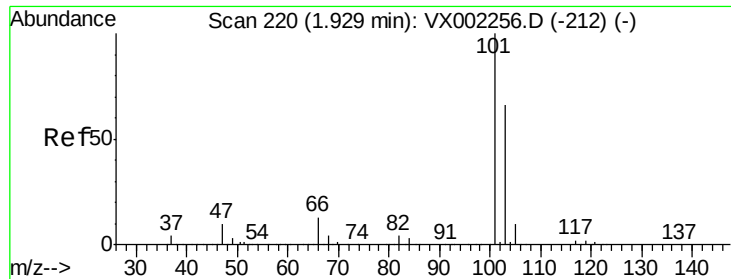
Tgt Ion: 64 Resp: 100903

Ion Ratio Lower Upper

64 100

66 31.7 25.5 38.3





#7

Trichlorofluoromethane

Concen: 56.54 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

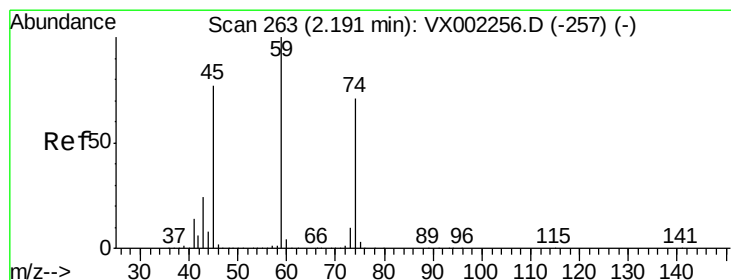
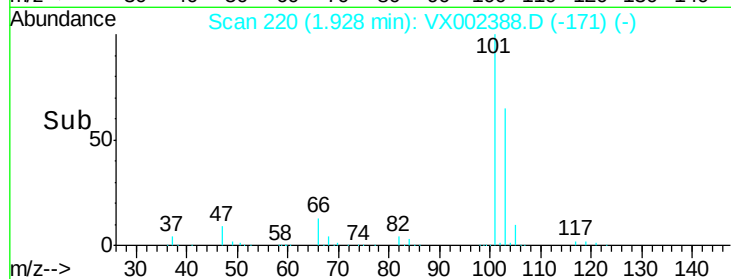
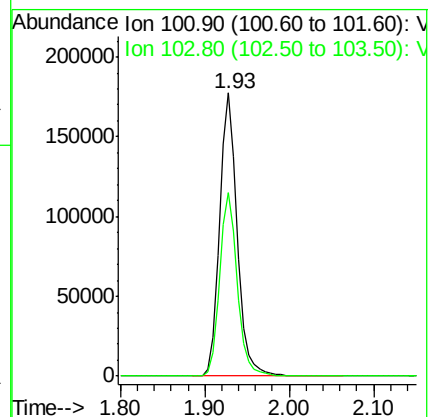
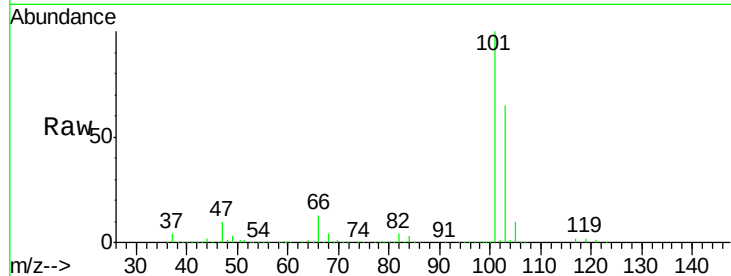
LF5-0064MS

Tot Ion:101 Resp: 256989

Ion Ratio Lower Upper

101 100

103 64.6 52.8 79.2



#8

Diethyl Ether

Concen: 58.67 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002388.D

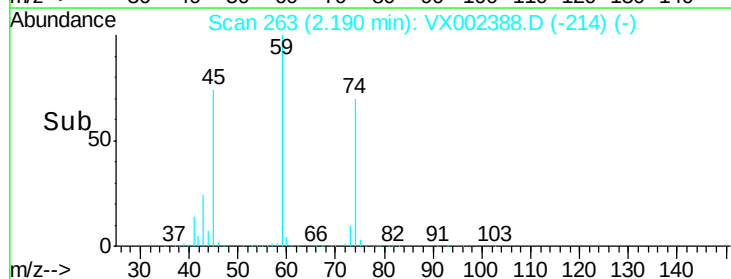
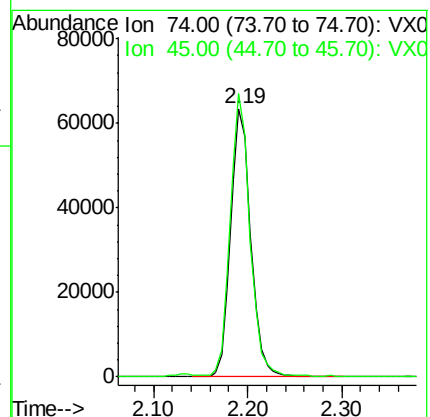
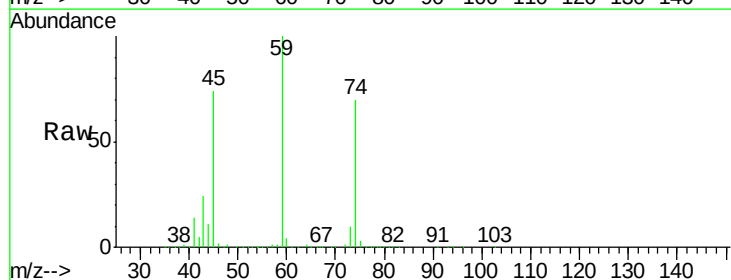
Acq: 07 Jun 2018 19:53

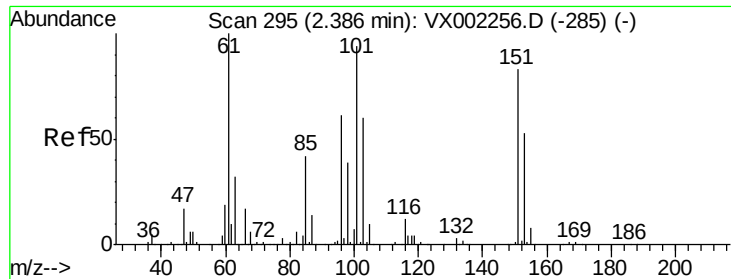
Tgt Ion: 74 Resp: 94107

Ion Ratio Lower Upper

74 100

45 102.5 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.36 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

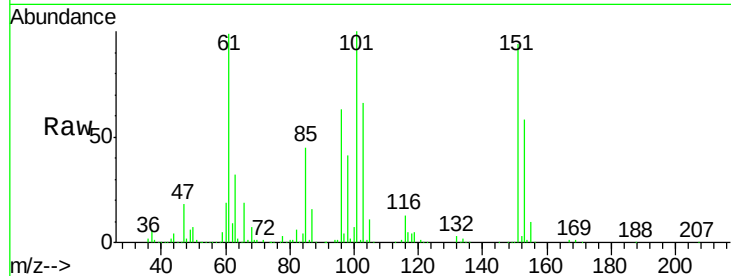
Tot Ion:101 Resp: 140713

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

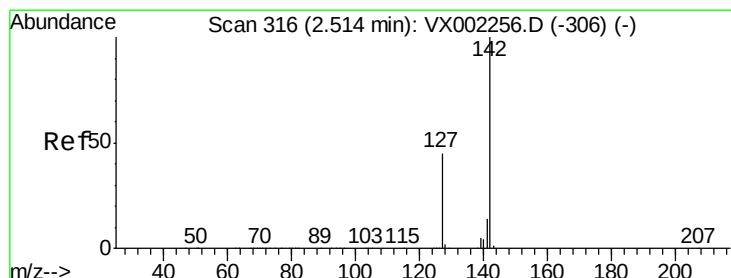
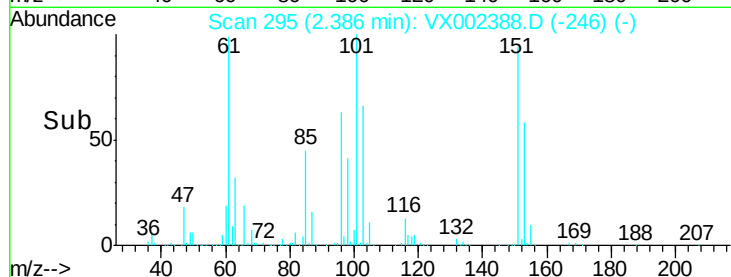
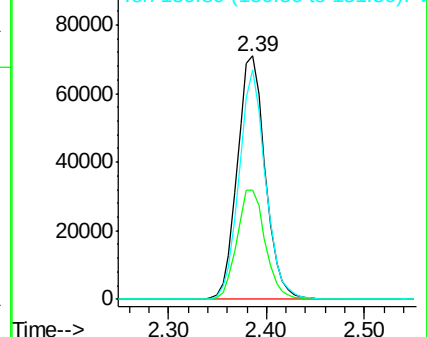
151 89.6 70.9 106.3



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: 40.24 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

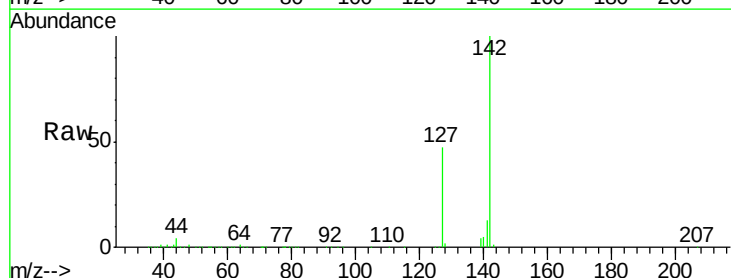
Tgt Ion:142 Resp: 138829

Ion Ratio Lower Upper

142 100

127 46.4 36.6 55.0

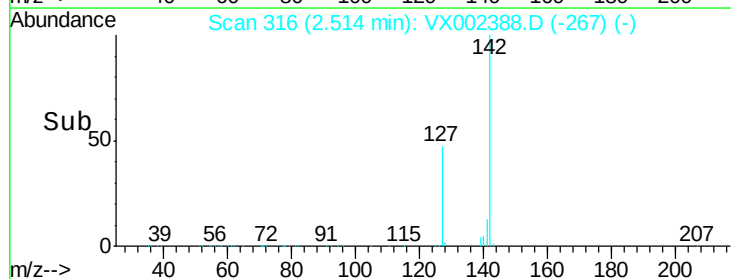
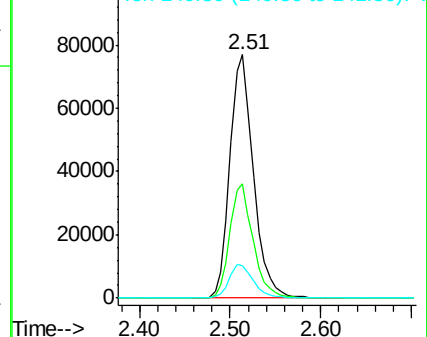
141 14.2 11.3 16.9

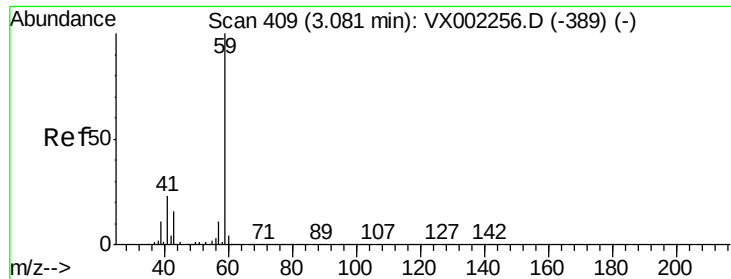


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



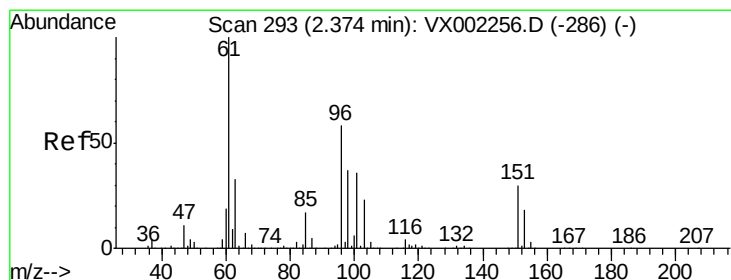
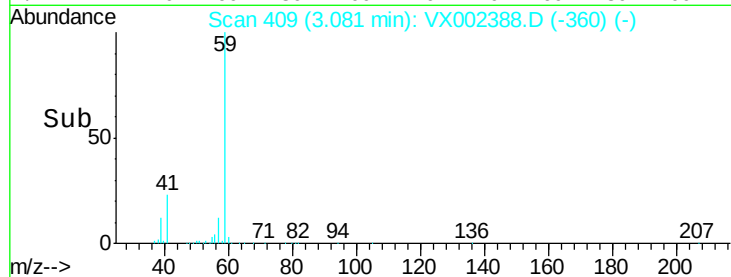
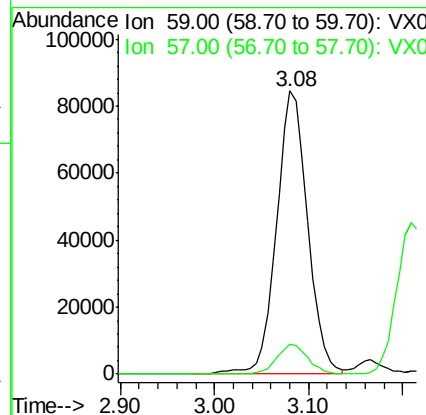
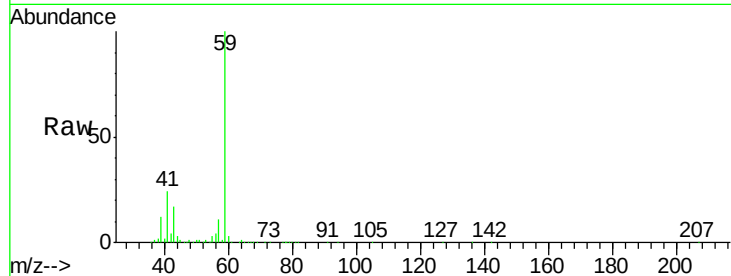


#11

Tert butyl alcohol
 Concen: 297.44 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampled :
 LF5-0064MS

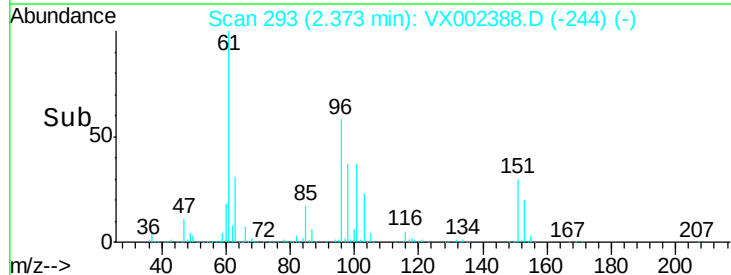
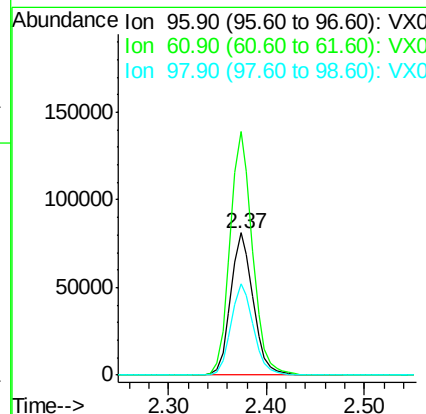
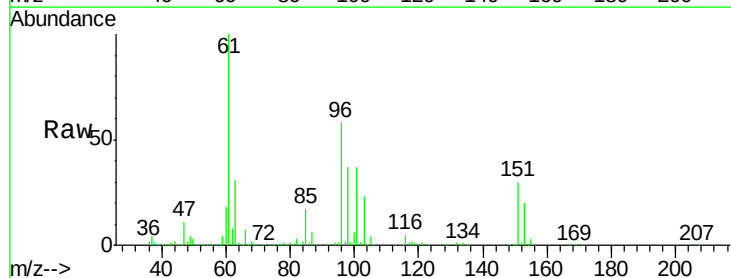
Tot Ion: 59 Resp: 196001
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

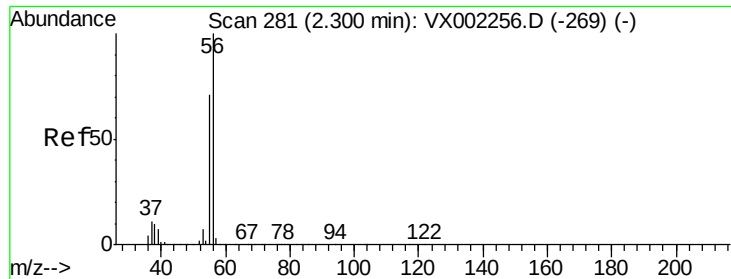


#12

1,1-Dichloroethene
 Concen: 53.53 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 96 Resp: 129769
 Ion Ratio Lower Upper
 96 100
 61 171.2 137.9 206.9
 98 64.0 51.6 77.4





#13

Acrolein

Concen: 205.47 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

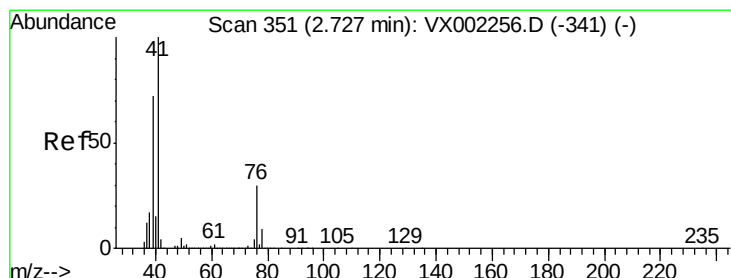
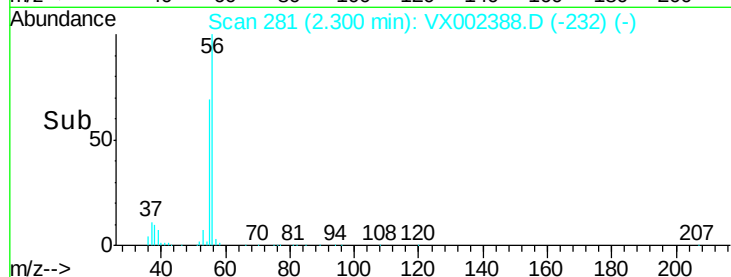
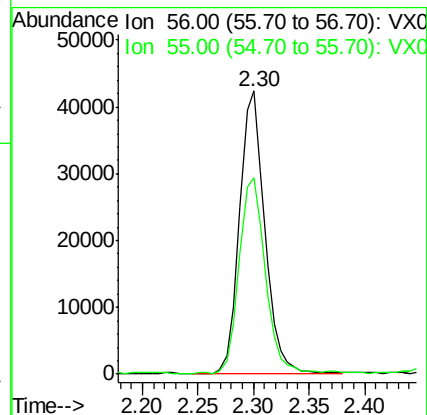
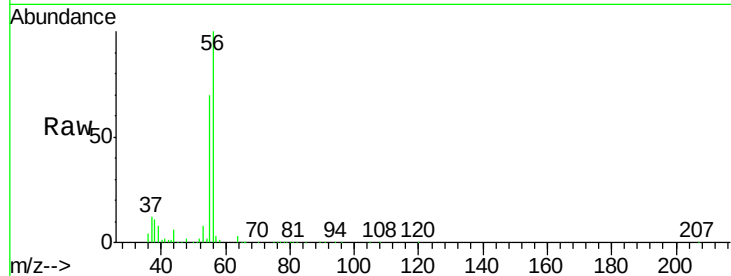
LF5-0064MS

Tot Ion: 56 Resp: 66998

Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.4



#14

Allyl chloride

Concen: 49.35 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

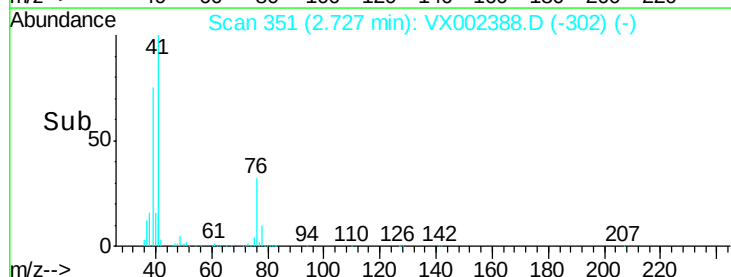
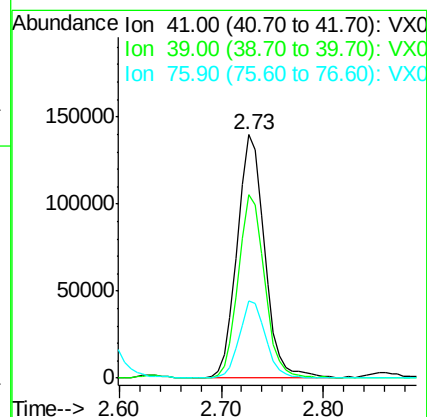
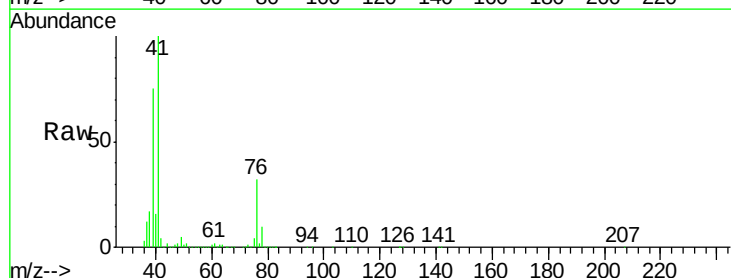
Tgt Ion: 41 Resp: 259652

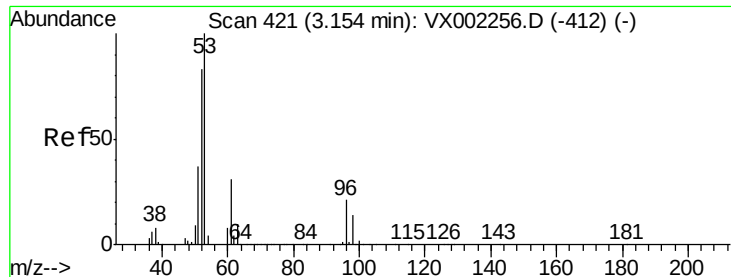
Ion Ratio Lower Upper

41 100

39 72.3 56.8 85.2

76 30.1 23.8 35.8





#15

Acrylonitrile

Concen: 298.50 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MS

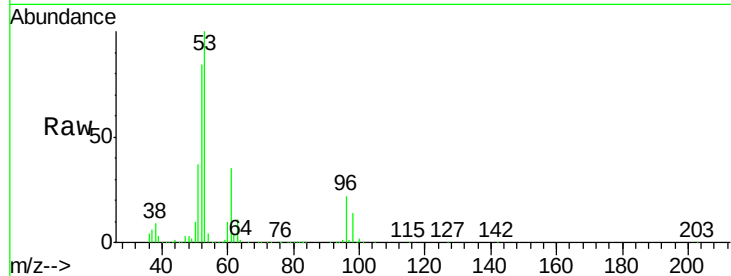
Tot Ion: 53 Resp: 411088

Ion Ratio Lower Upper

53 100

52 83.1 66.7 100.1

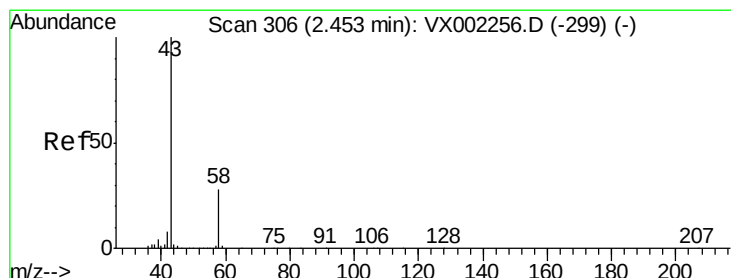
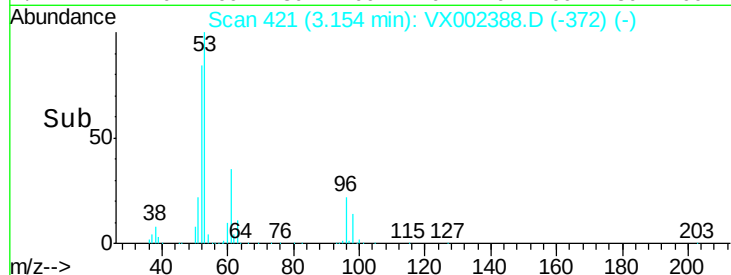
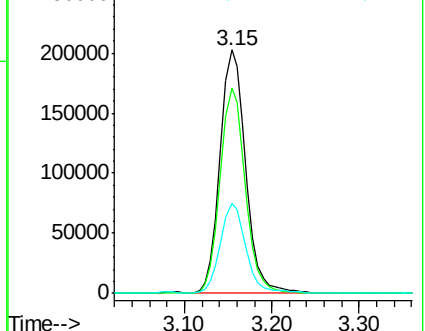
51 37.3 29.9 44.9



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: 279.41 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002388.D

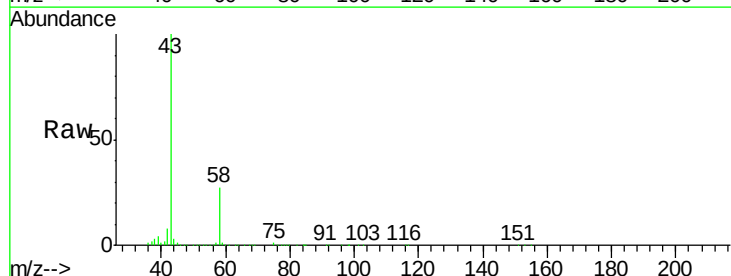
Acq: 07 Jun 2018 19:53

Tgt Ion: 43 Resp: 388157

Ion Ratio Lower Upper

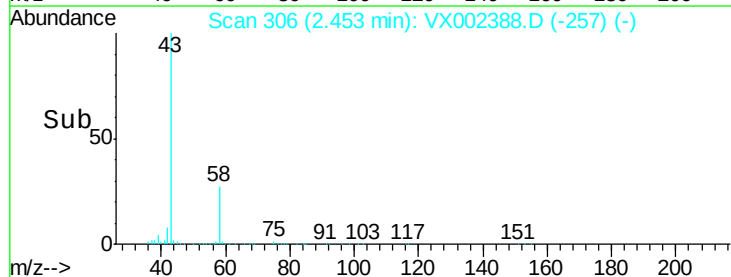
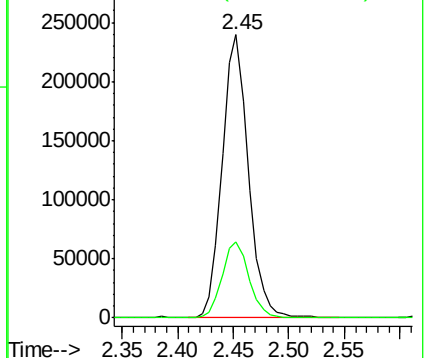
43 100

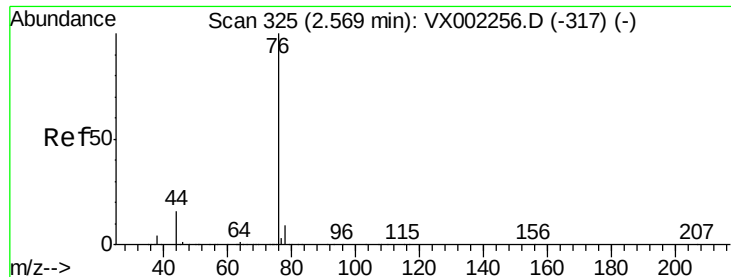
58 26.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 47.59 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

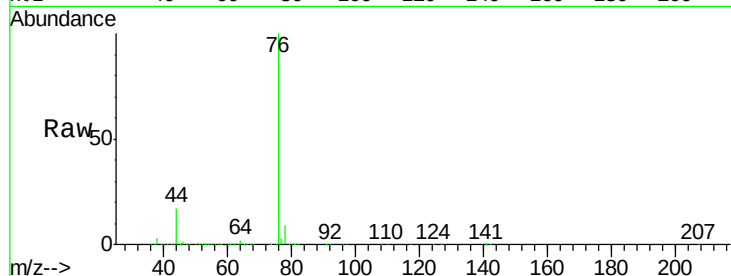
LF5-0064MS

Tot Ion: 76 Resp: 304096

Ion Ratio Lower Upper

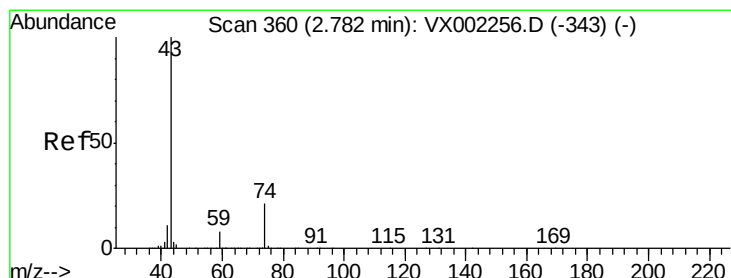
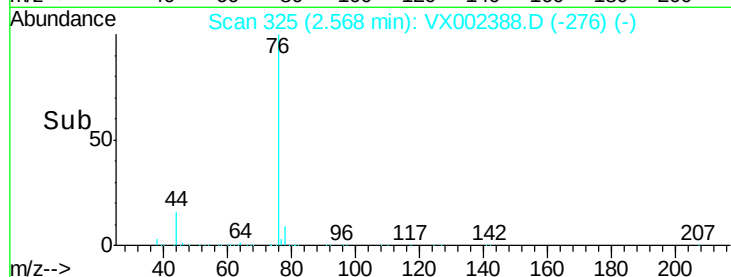
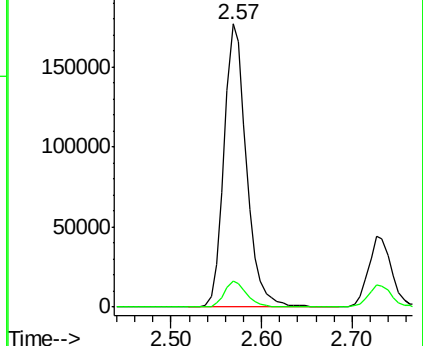
76 100

78 9.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 57.93 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002388.D

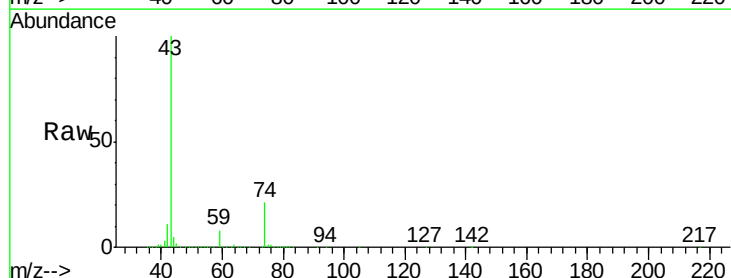
Acq: 07 Jun 2018 19:53

Tgt Ion: 43 Resp: 187594

Ion Ratio Lower Upper

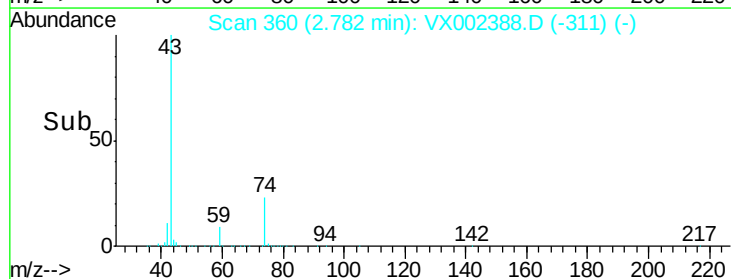
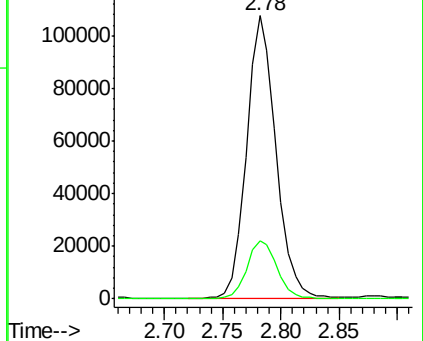
43 100

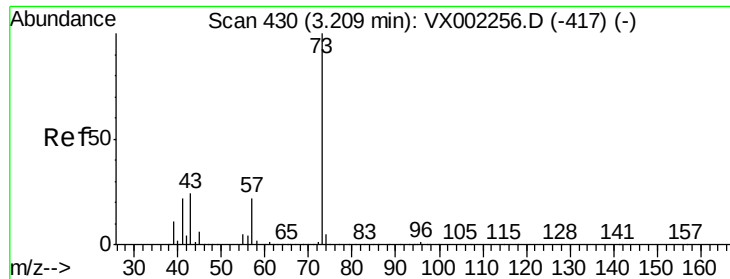
74 21.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

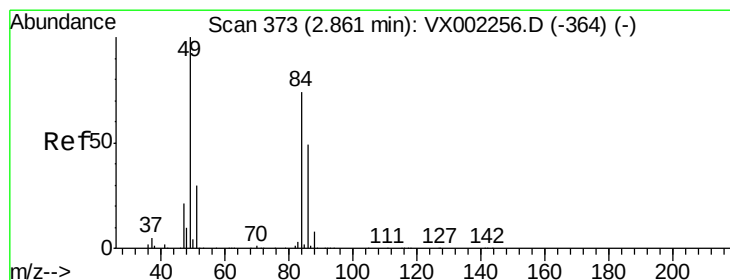
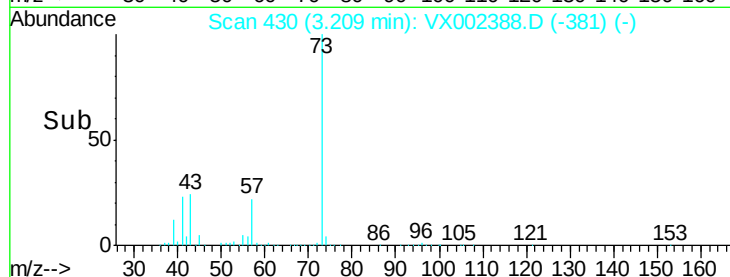
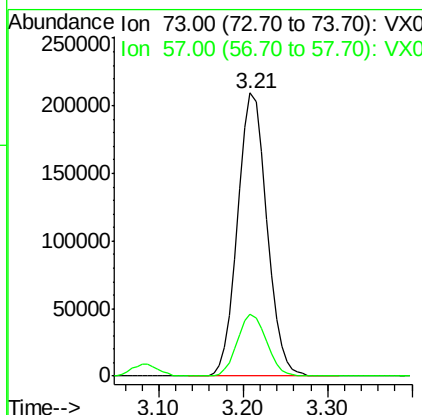
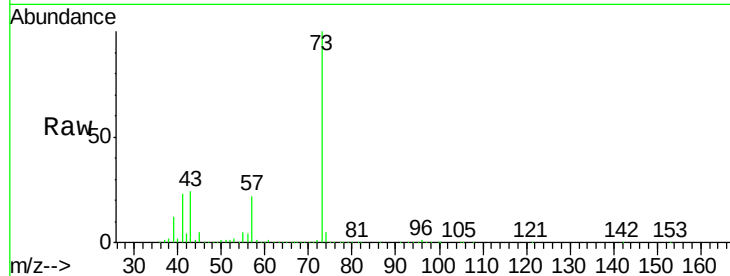




#19
Methvl tert-butvl Ether
Concen: 58.70 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

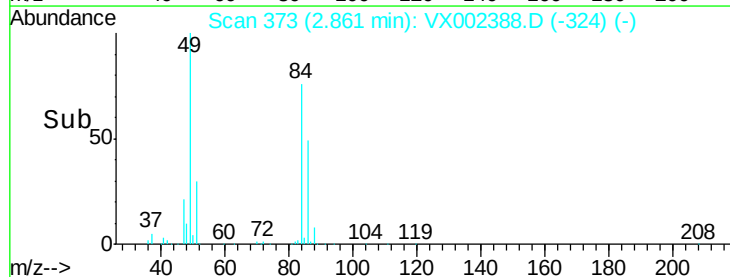
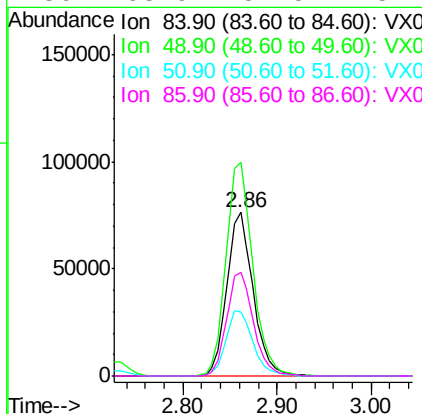
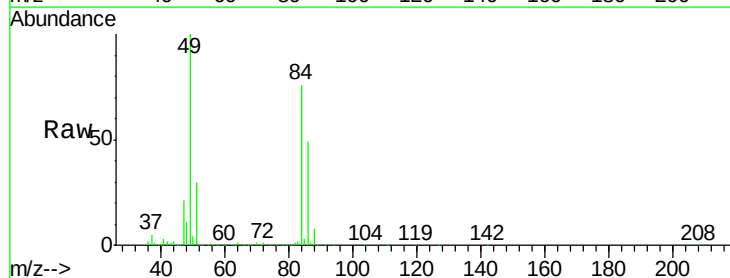
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

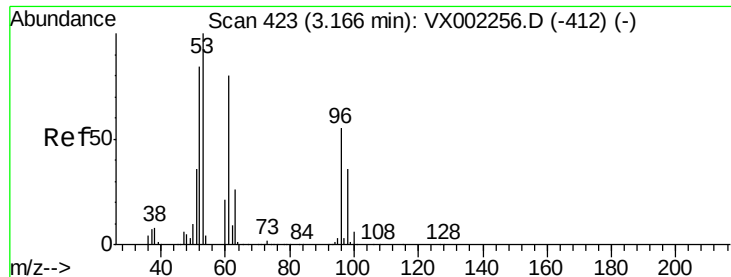
Tot Ion: 73 Resp: 492063
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5



#20
Methylene Chloride
Concen: 57.51 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 84 Resp: 147014
Ion Ratio Lower Upper
84 100
49 130.8 107.8 161.6
51 39.4 32.8 49.2
86 63.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 51.78 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MS

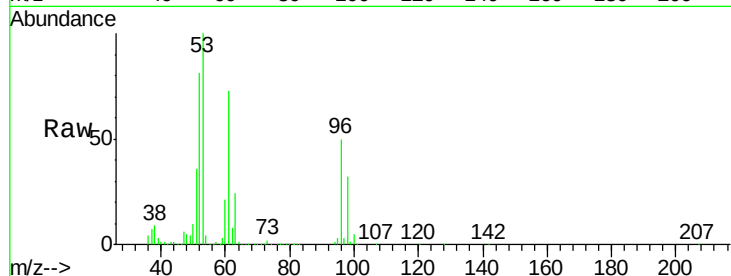
Tot Ion: 96 Resp: 138431

Ion Ratio Lower Upper

96 100

61 144.0 117.0 175.4

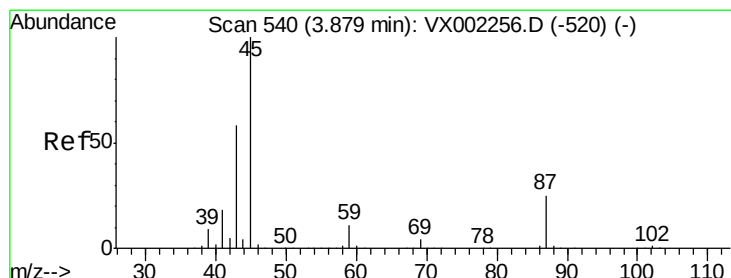
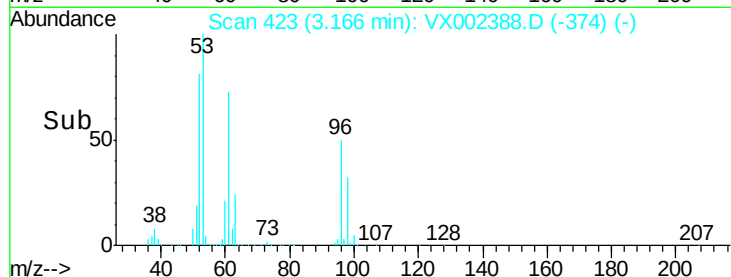
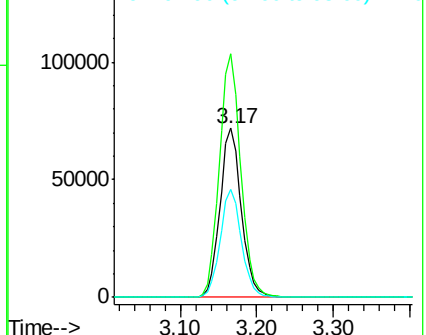
98 63.9 52.4 78.6



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: 52.29 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion: 45 Resp: 459022

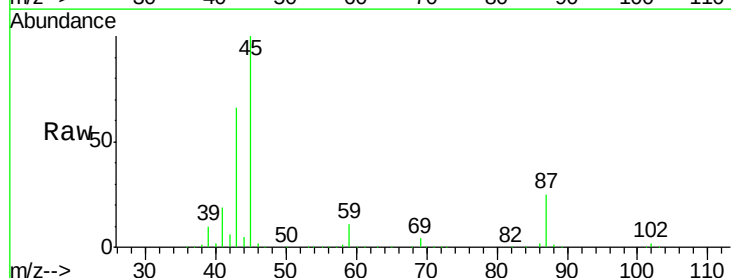
Ion Ratio Lower Upper

45 100

43 66.1 46.8 70.2

87 25.4 20.2 30.4

59 10.7 8.7 13.1

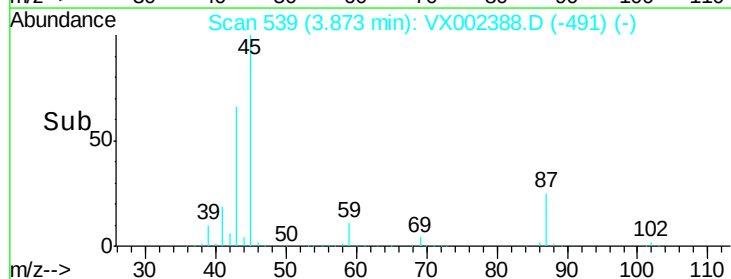
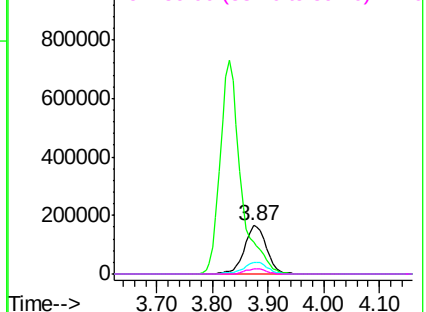


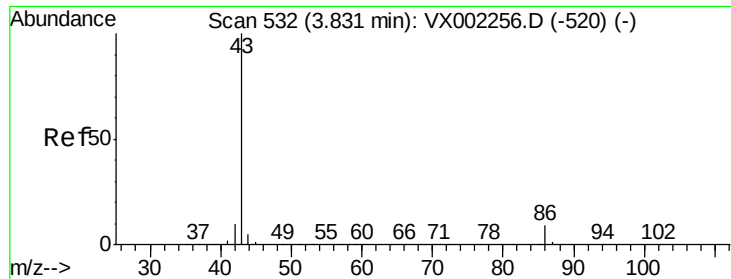
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 220.40 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

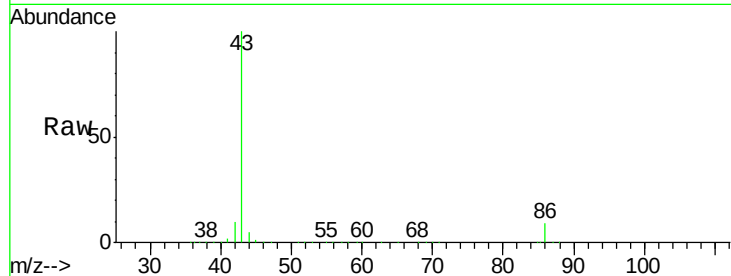
LF5-0064MS

Tot Ion: 43 Resp: 1879673

Ion Ratio Lower Upper

43 100

86 9.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

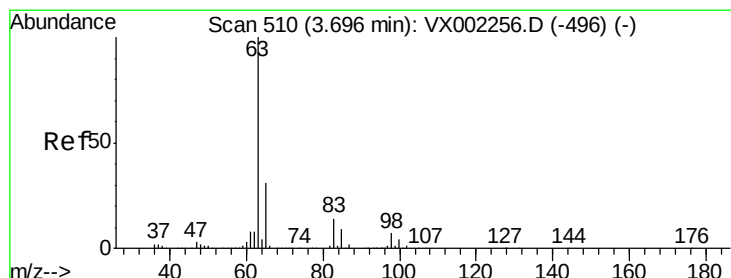
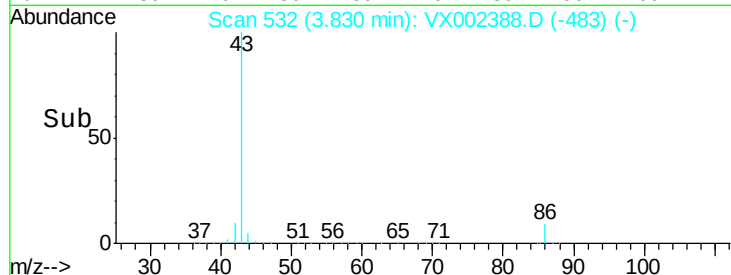
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.38 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

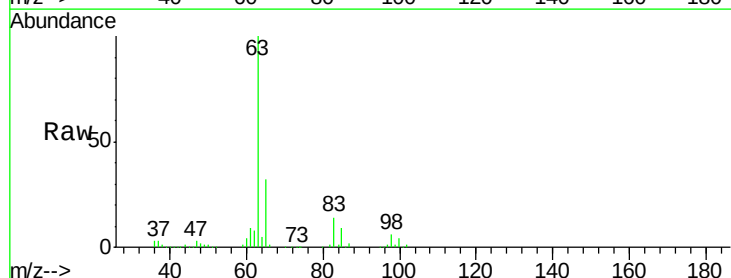
Tgt Ion: 63 Resp: 230785

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

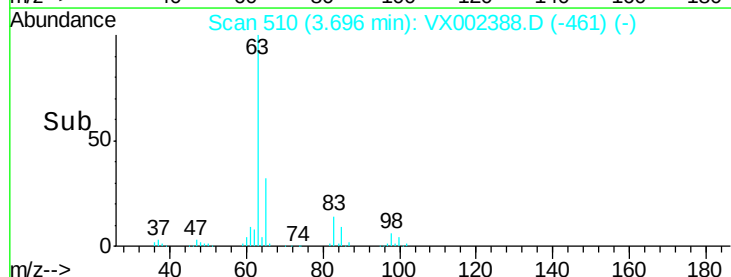
60000

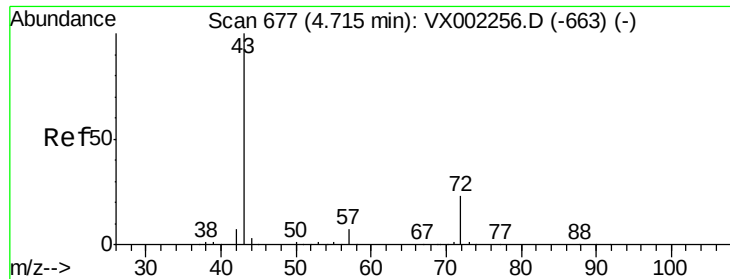
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.97 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

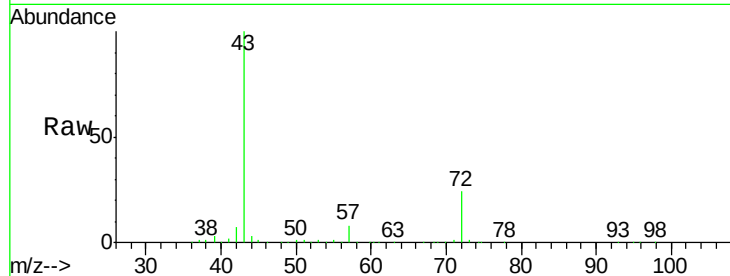
LF5-0064MS

Tot Ion: 43 Resp: 531324

Ion Ratio Lower Upper

43 100

72 23.6 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

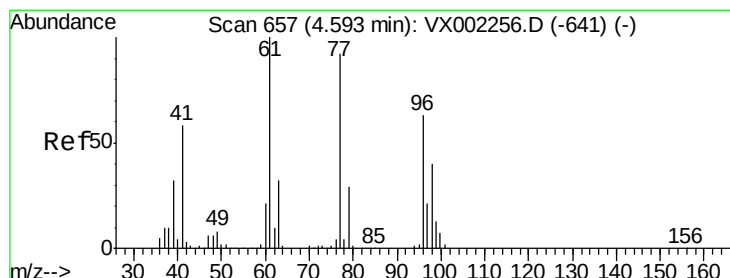
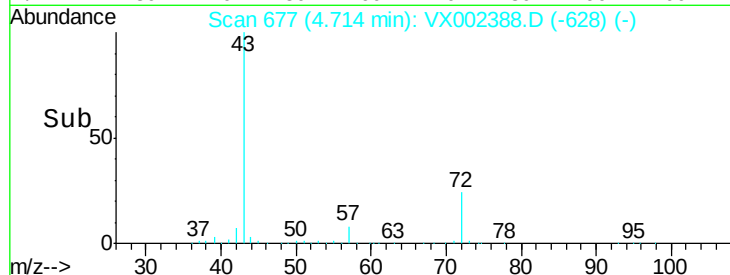
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 41.59 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002388.D

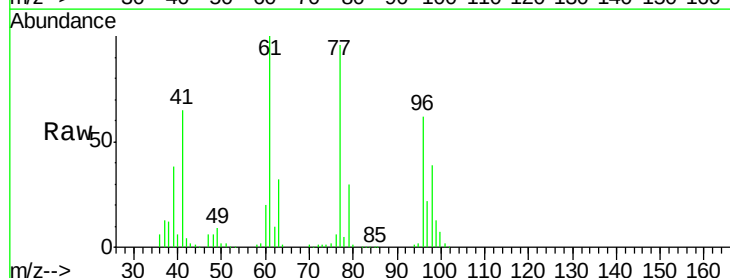
Acq: 07 Jun 2018 19:53

Tgt Ion: 77 Resp: 169050

Ion Ratio Lower Upper

77 100

97 22.7 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

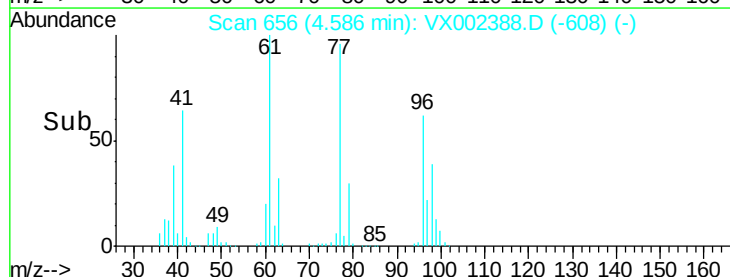
30000

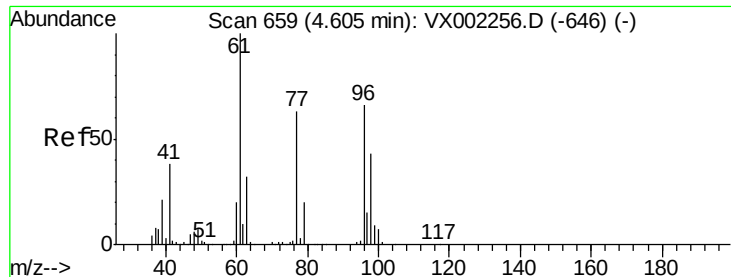
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.54 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

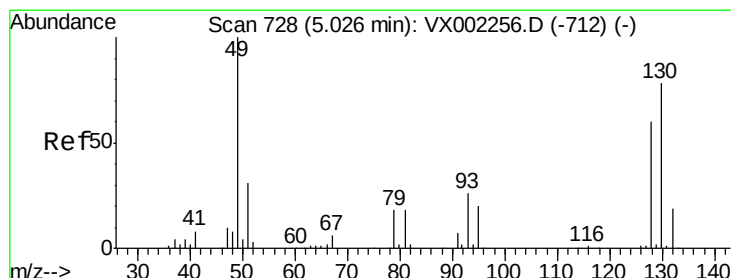
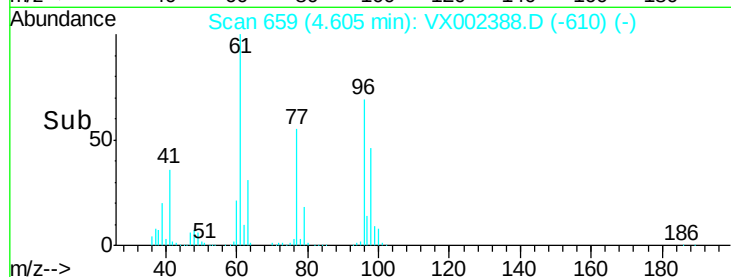
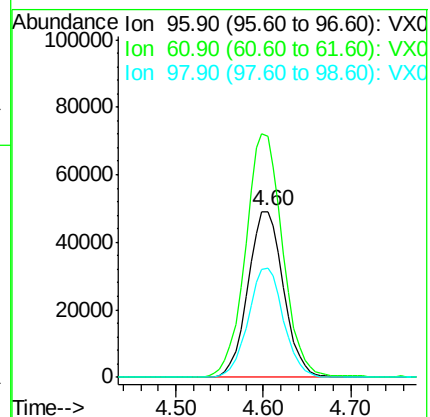
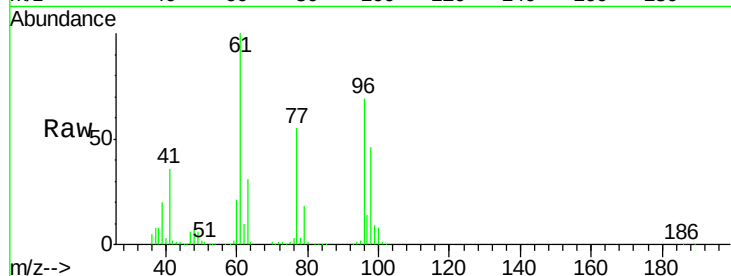
Tot Ion: 96 Resp: 138208

Ion Ratio Lower Upper

96 100

61 154.1 0.0 330.2

98 65.8 0.0 130.2



#28

Bromochloromethane

Concen: 55.15 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

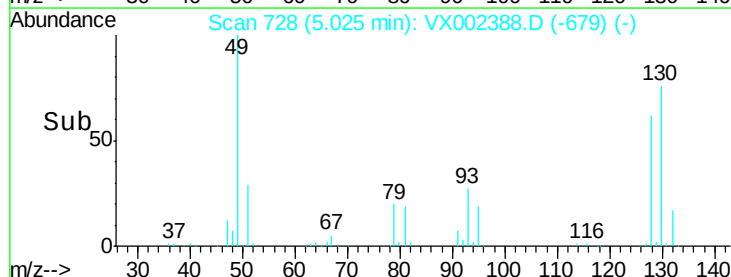
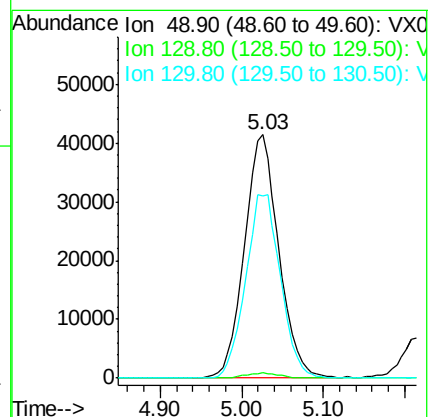
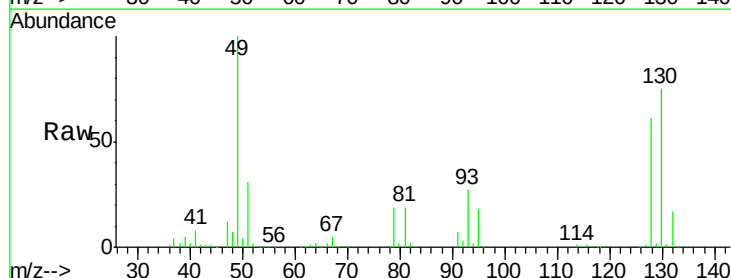
Tgt Ion: 49 Resp: 121145

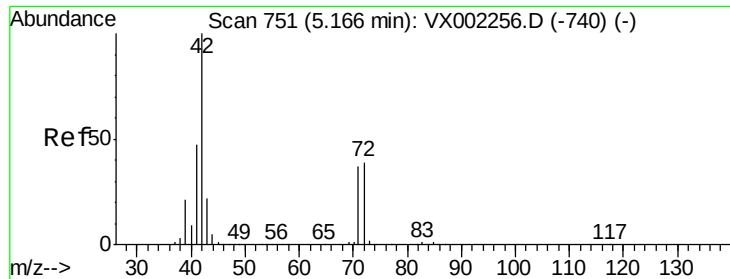
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 76.9 61.2 91.8

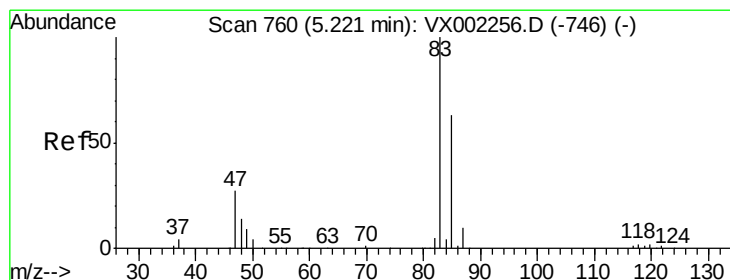
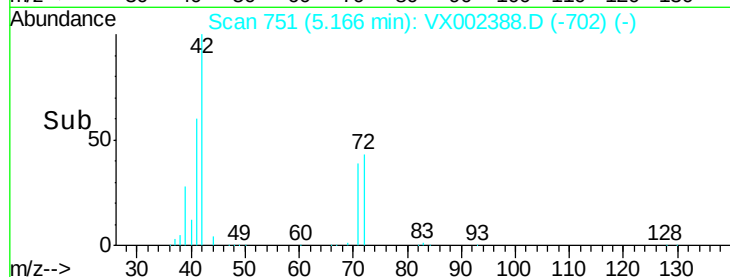
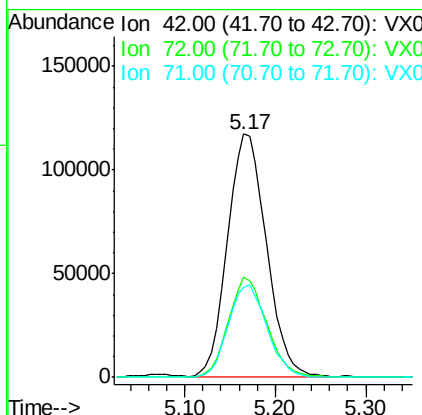
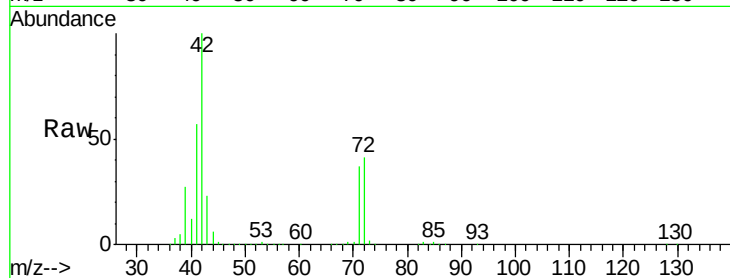




#29
Tetrahydrofuran
Concen: 241.61 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

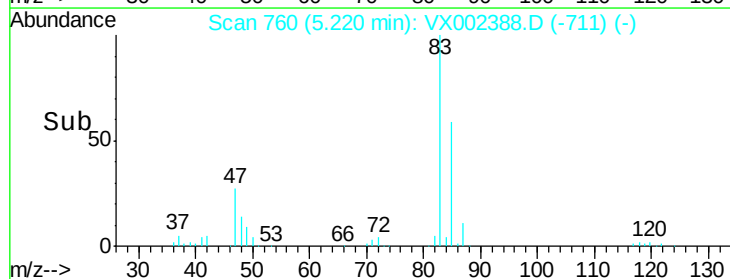
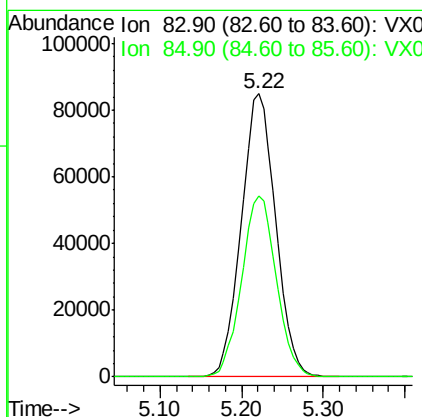
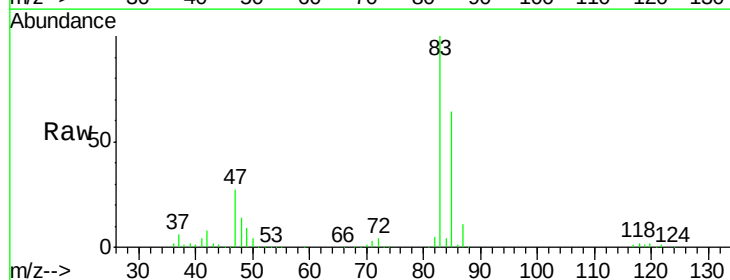
Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

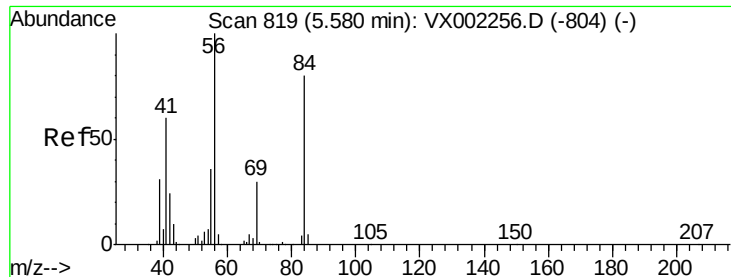
Tot Ion: 42 Resp: 347810
Ion Ratio Lower Upper
42 100
72 40.9 32.0 48.0
71 38.2 30.1 45.1



#30
Chloroform
Concen: 49.54 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 83 Resp: 248588
Ion Ratio Lower Upper
83 100
85 64.1 50.4 75.6





#31

Cyclohexane

Concen: 50.45 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MS

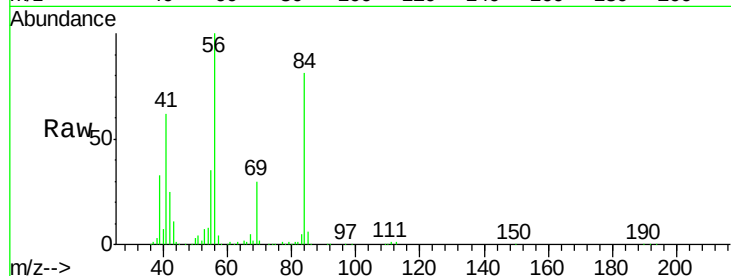
Tot Ion: 56 Resp: 207445

Ion Ratio Lower Upper

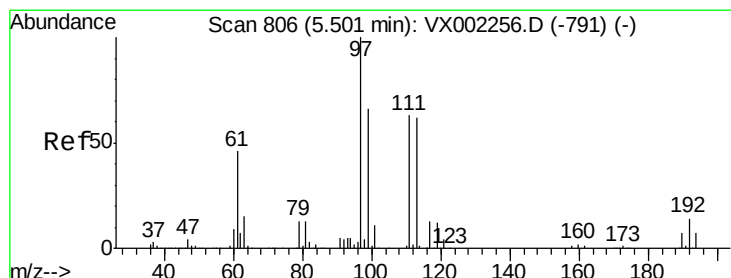
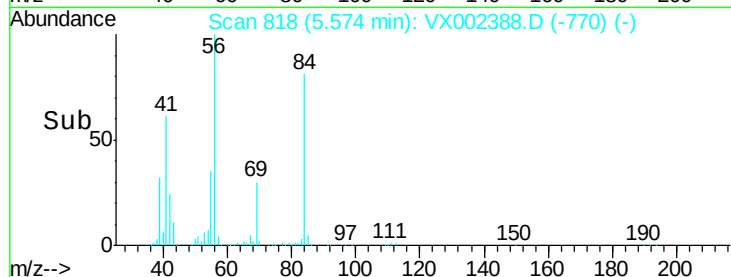
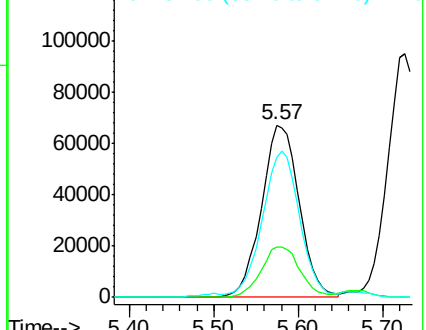
56 100

69 29.5 23.7 35.5

84 80.5 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 50.61 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

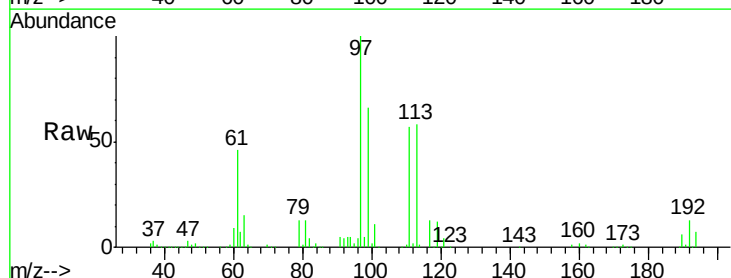
Tgt Ion: 97 Resp: 215344

Ion Ratio Lower Upper

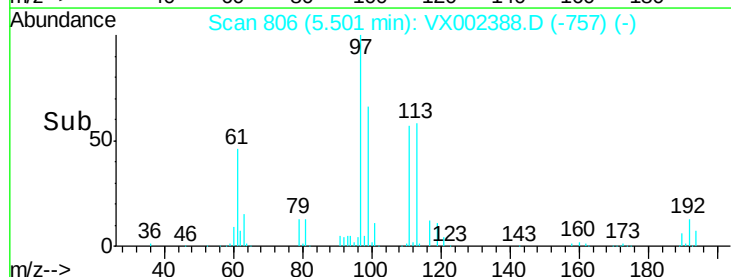
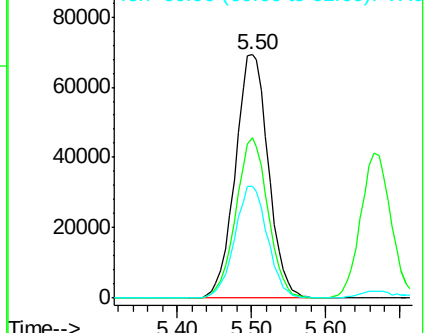
97 100

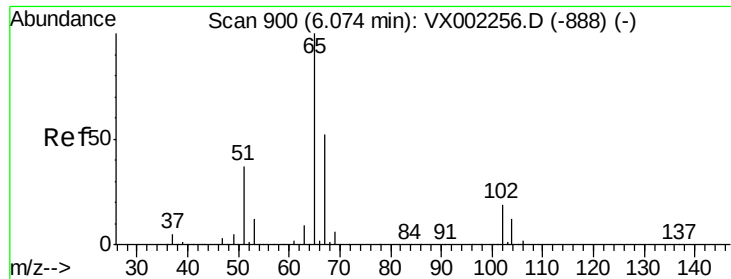
99 64.0 51.6 77.4

61 45.7 36.4 54.6



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

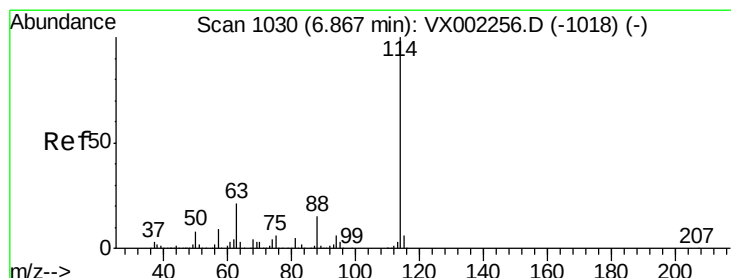
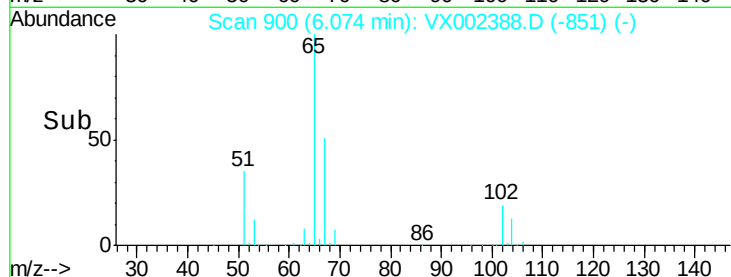
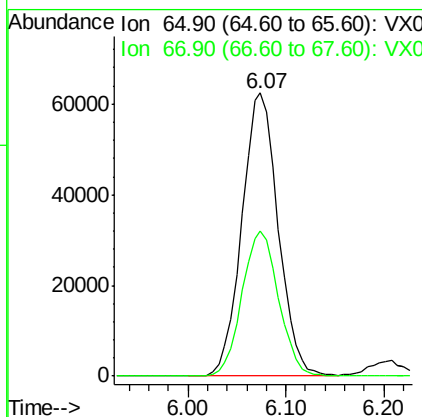
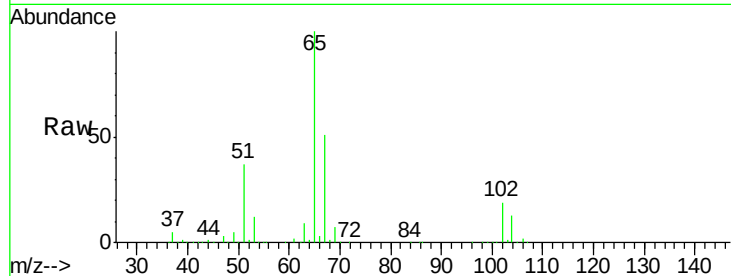




#33
 1,2-Dichloroethane-d4
 Concen: 49.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

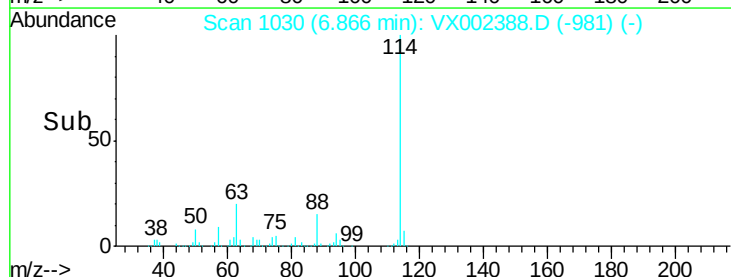
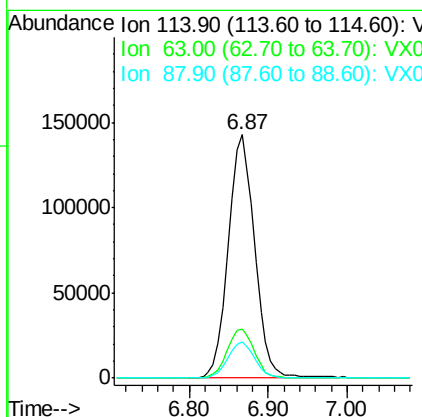
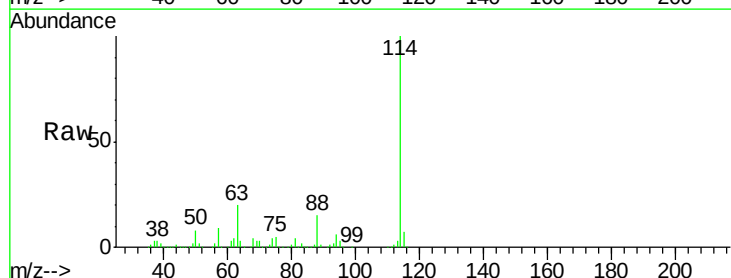
Instrument :
 MSVOA_X
 ClientSampled :
 LF5-0064MS

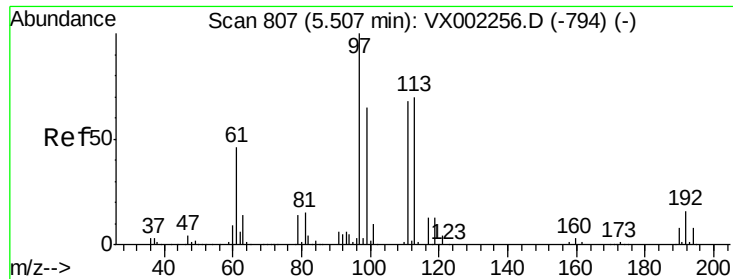
Tot Ion: 65 Resp: 160621
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 114 Resp: 333215
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.54 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MS

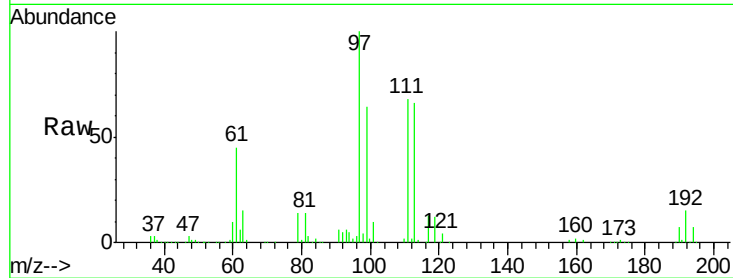
Tot Ion:113 Resp: 124584

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

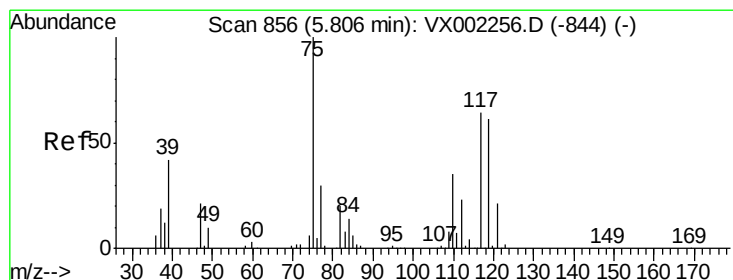
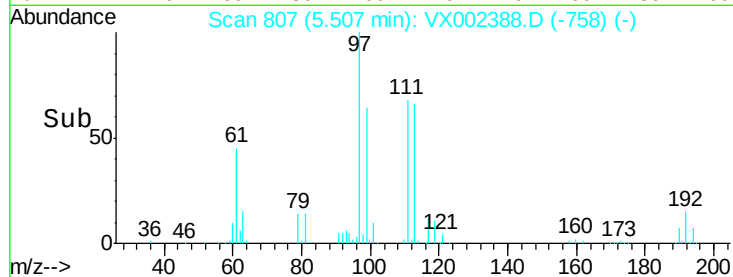
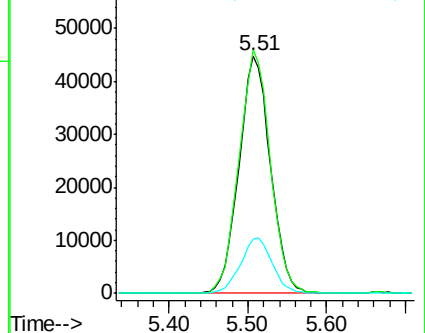
192 23.4 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.45 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

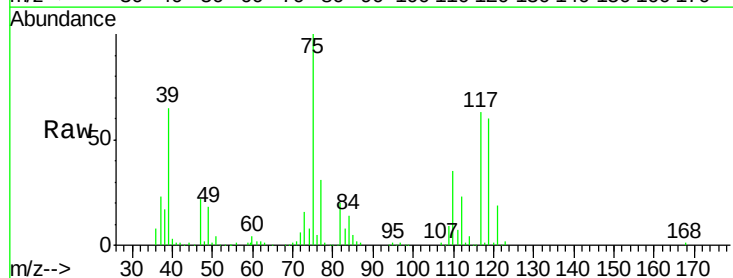
Tgt Ion: 75 Resp: 176740

Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.4

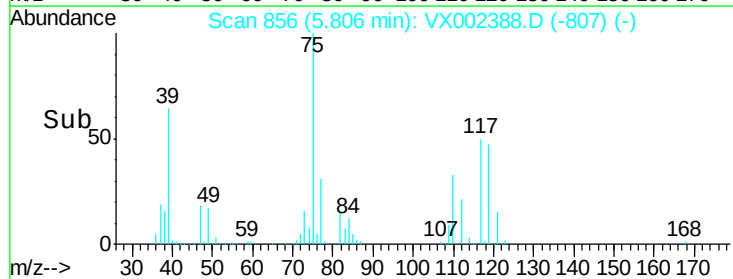
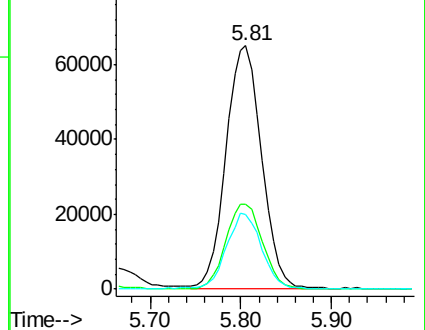
77 31.3 24.3 36.5

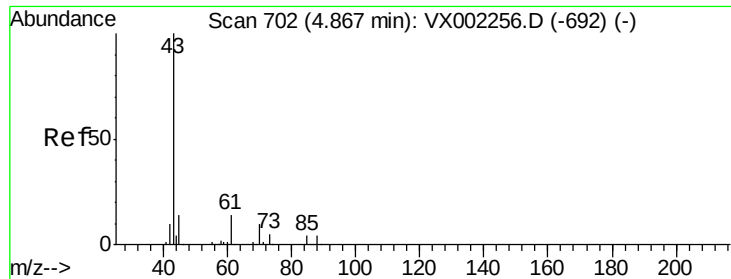


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

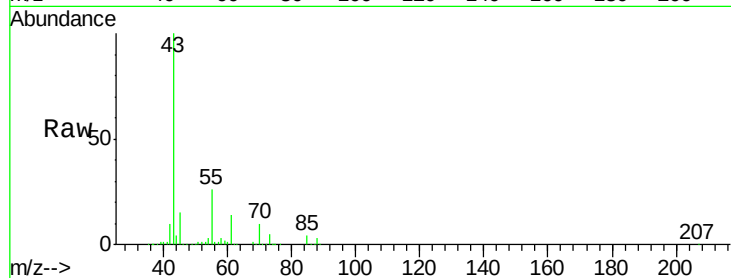




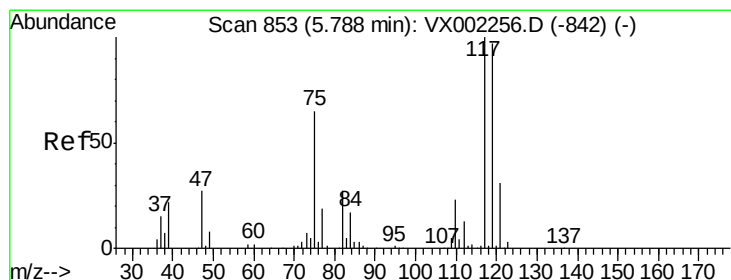
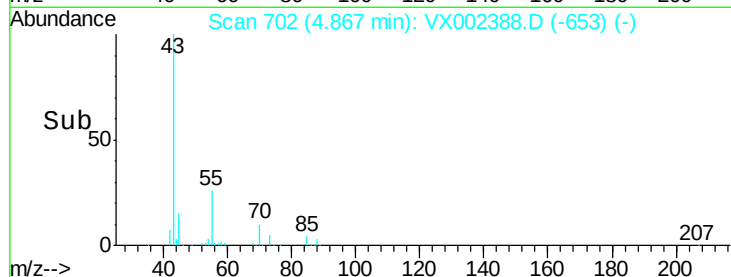
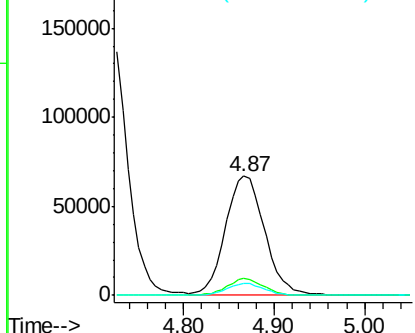
#37
Ethyl Acetate
Concen: 47.35 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

Tot Ion	43	Resp	199485
Ion Ratio	Lower	Upper	
43	100		
61	13.3	10.4	15.6
70	9.6	7.6	11.4

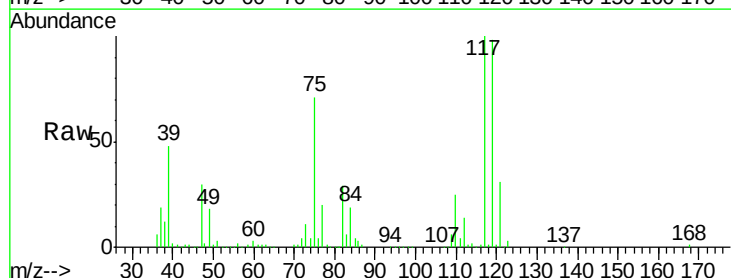


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

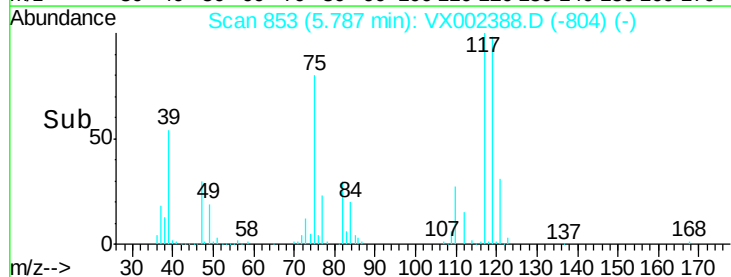
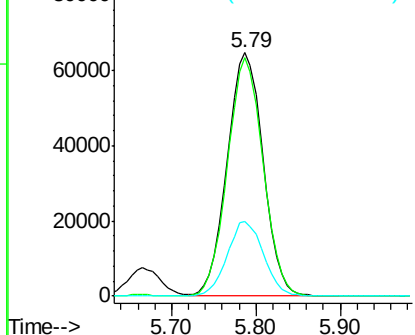


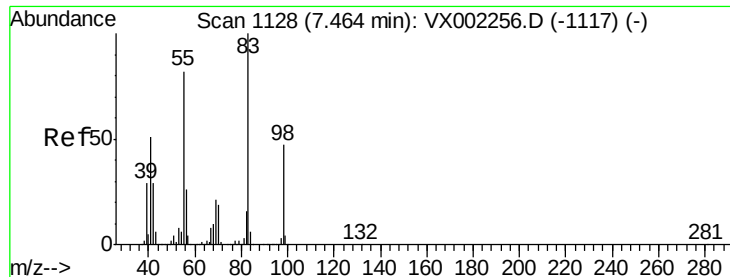
#38
Carbon Tetrachloride
Concen: 51.20 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion	117	Resp	187630
Ion Ratio	Lower	Upper	
117	100		
119	97.6	77.4	116.0
121	30.9	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

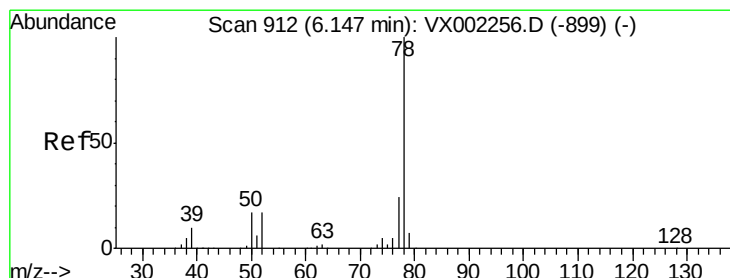
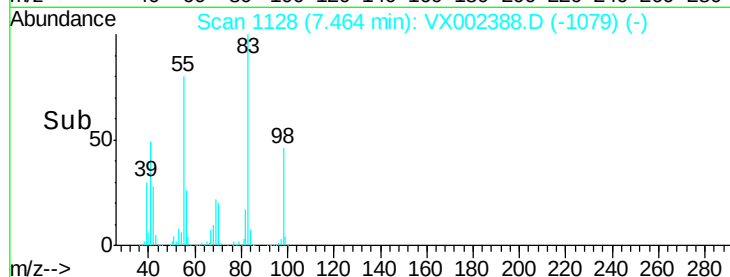
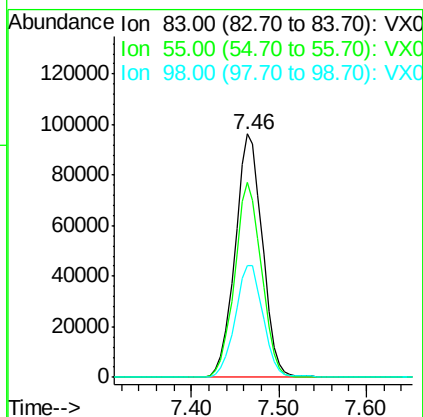
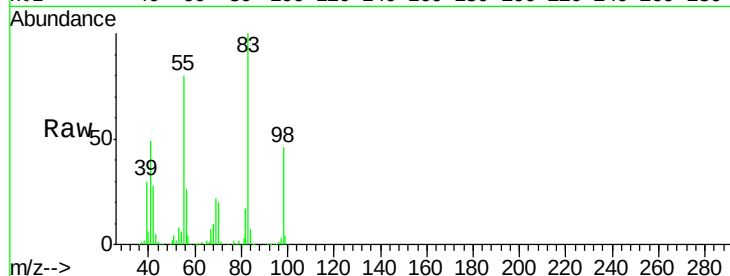




#39
Methylvlcyclohexane
Concen: 48.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

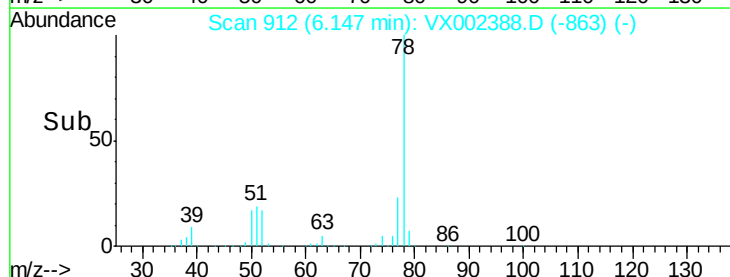
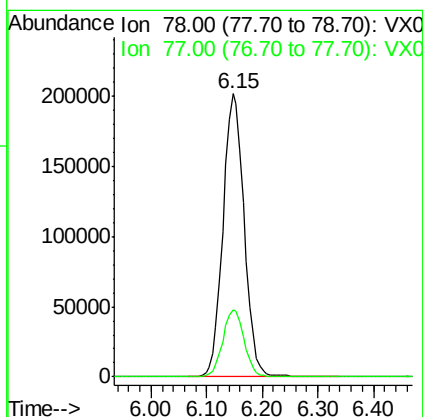
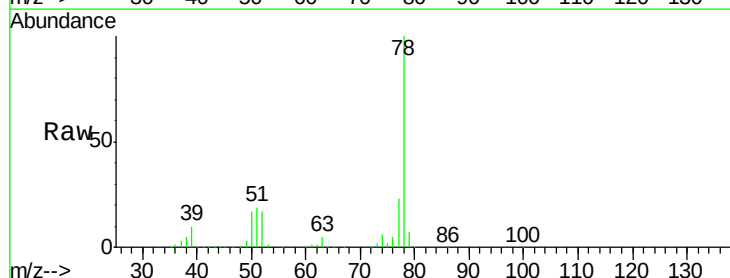
Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

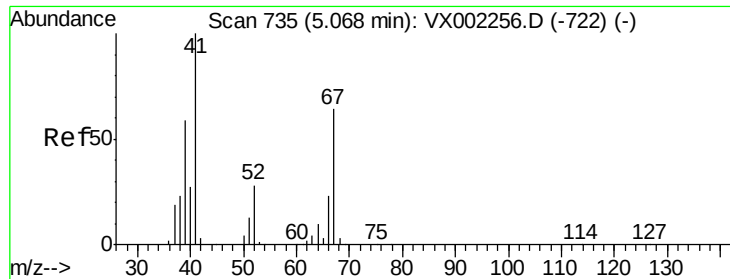
Tot Ion: 83 Resp: 209094
Ion Ratio Lower Upper
83 100
55 79.9 65.4 98.0
98 45.9 37.4 56.0



#40
Benzene
Concen: 49.50 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 78 Resp: 531725
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

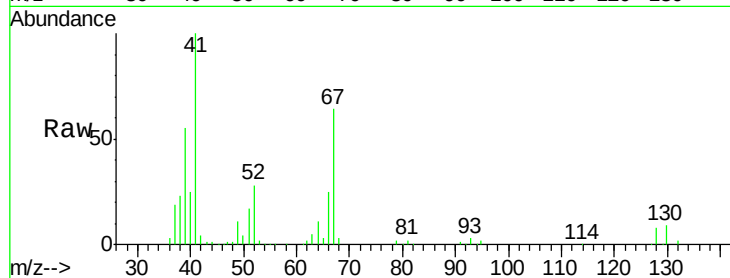




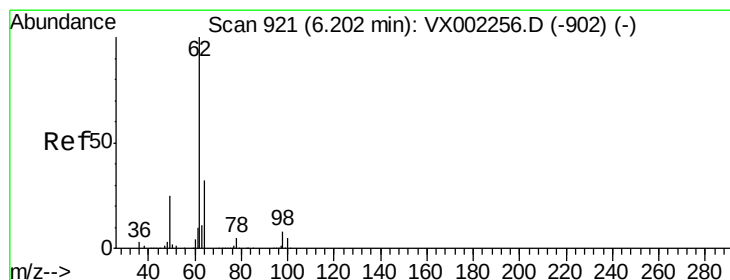
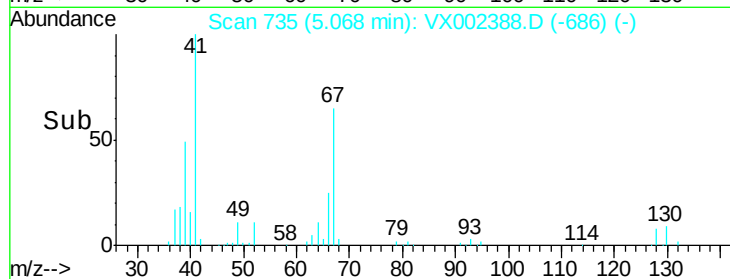
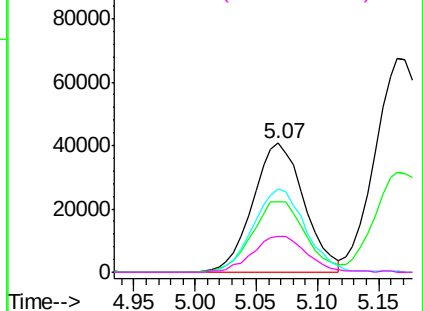
#41
Methacrylonitrile
Concen: 49.13 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

Tot Ion:	41	Resp:	118488
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.8	68.6
67	66.1	51.3	76.9
52	29.5	23.0	34.6

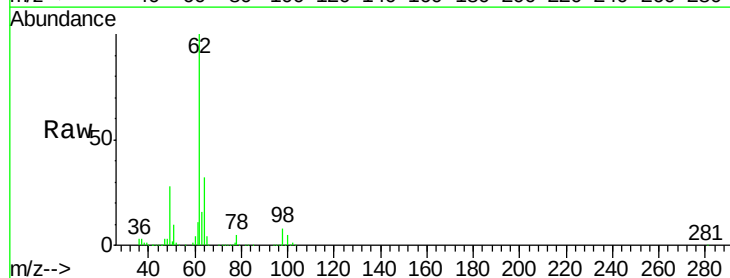


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

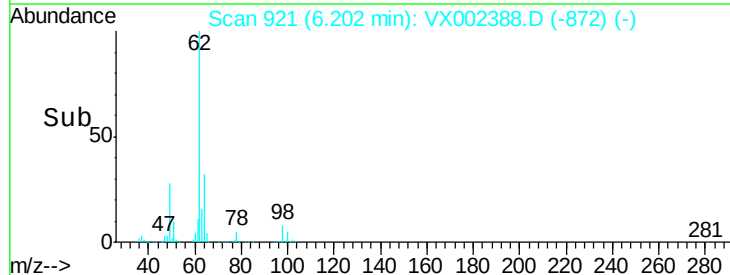
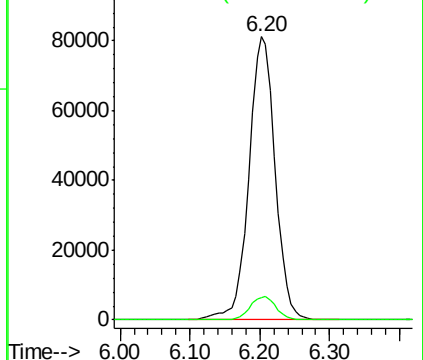


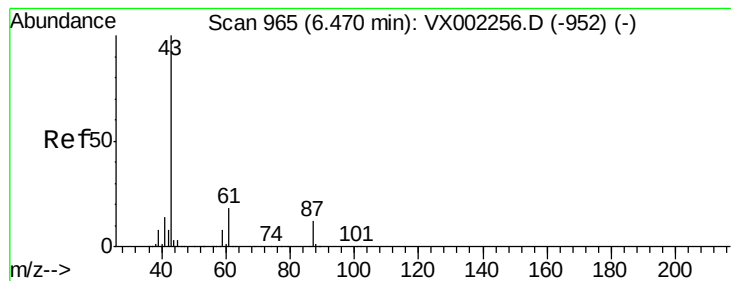
#42
1,2-Dichloroethane
Concen: 49.23 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion:	62	Resp:	210067
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



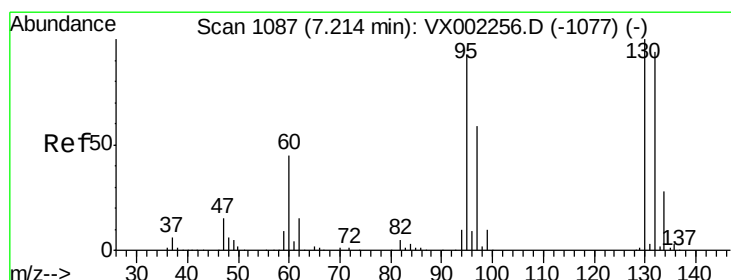
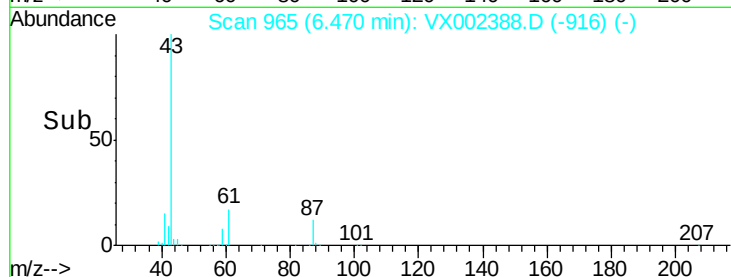
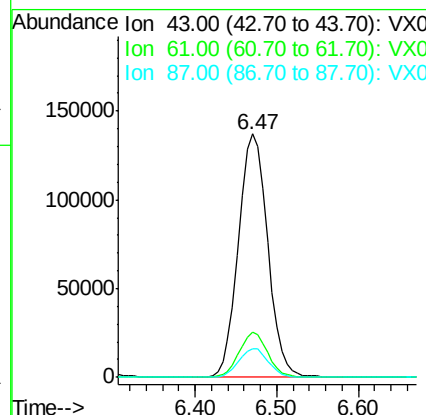
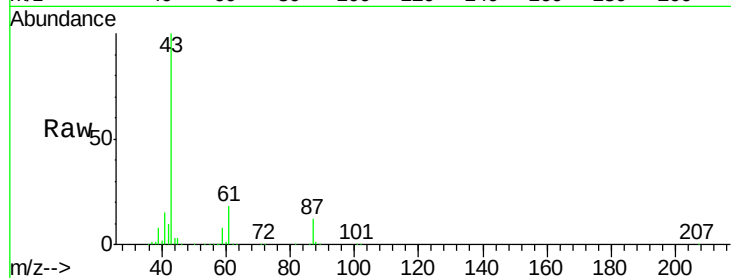


#43

Isopropyl Acetate
 Concen: 47.48 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampled :
 LF5-0064MS

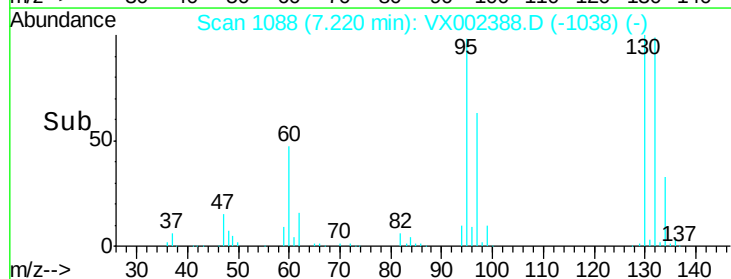
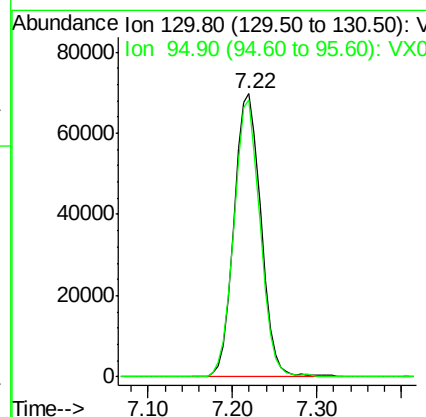
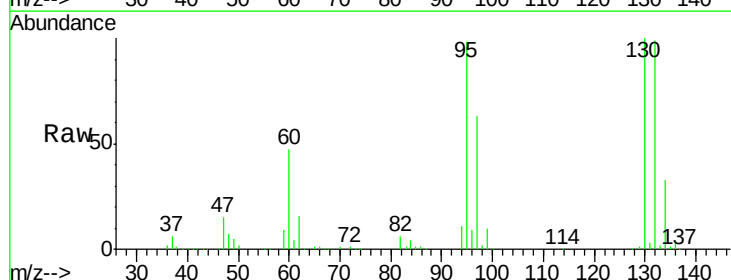
Tot Ion	43	Resp	339761
Ion Ratio	Lower	Upper	
43	100		
61	18.2	14.4	21.6
87	12.0	9.5	14.3

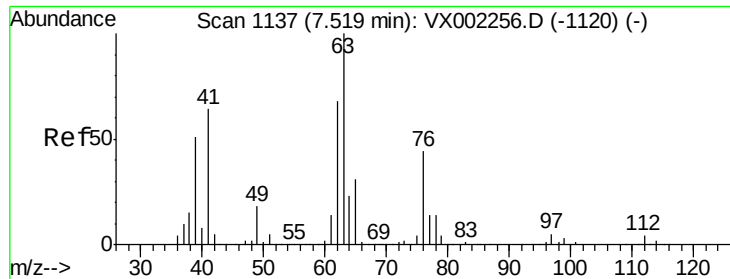


#44

Trichloroethene
 Concen: 50.64 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion	130	Resp	150968
Ion Ratio	Lower	Upper	
130	100		
95	97.8	0.0	185.4

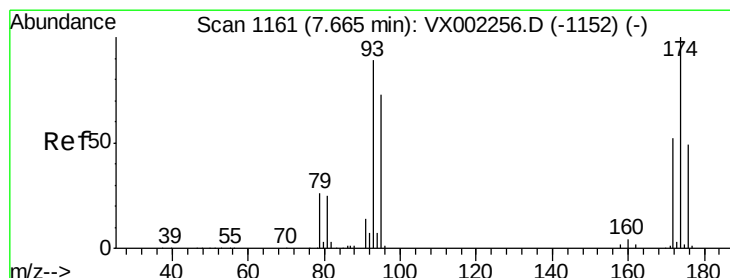
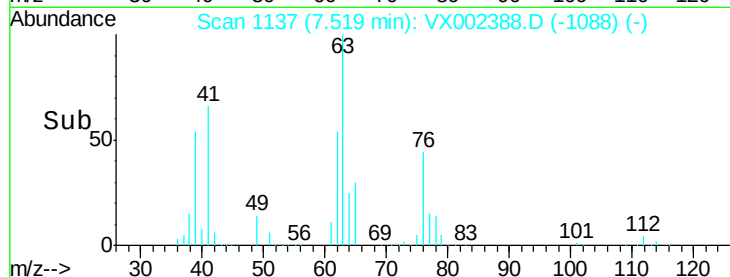
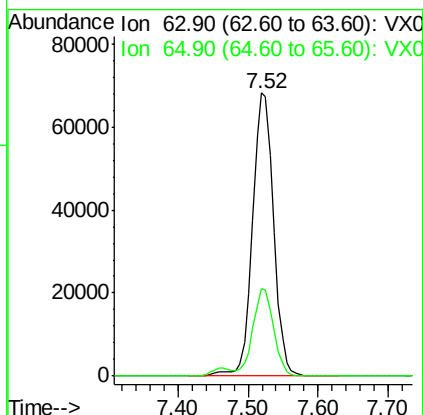
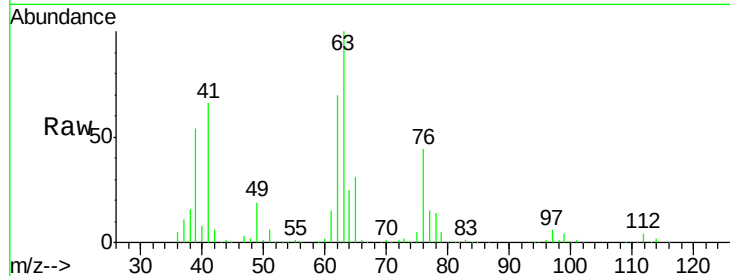




#45
 1,2-Dichloropropane
 Concen: 49.15 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

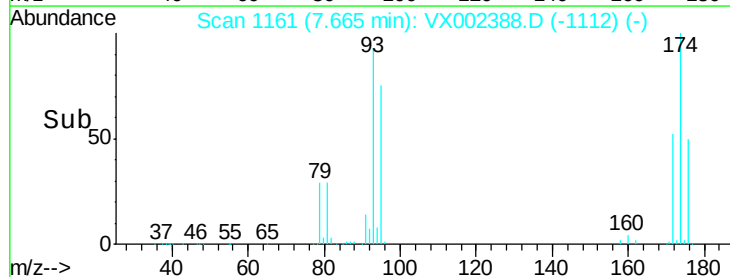
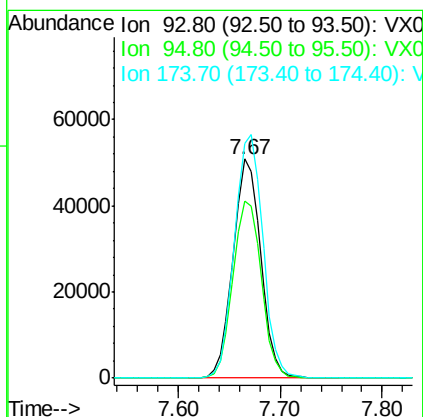
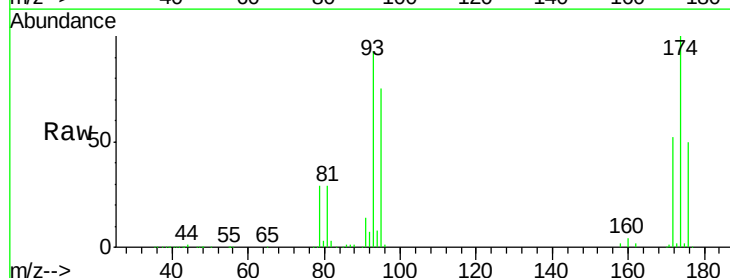
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

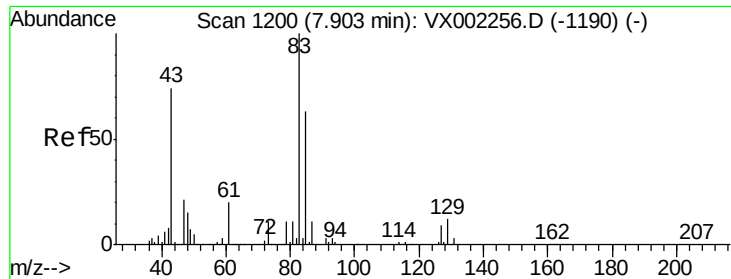
Tot Ion: 63 Resp: 142522
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 48.82 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 93 Resp: 95973
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 114.0 92.4 138.6

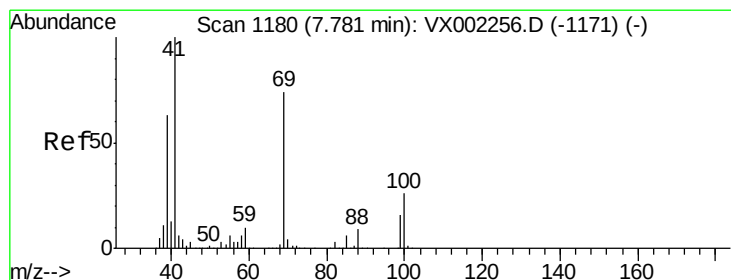
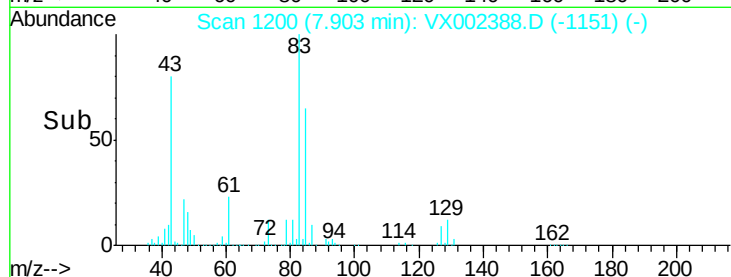
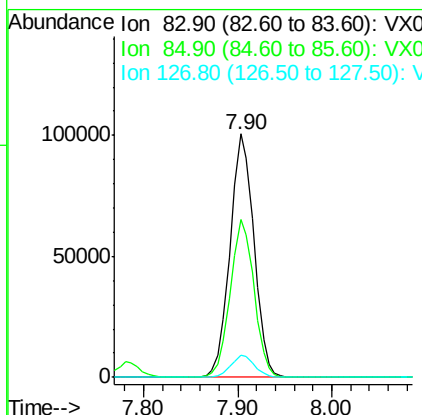
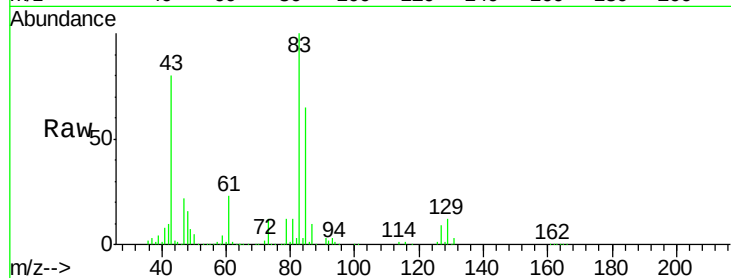




#47
Bromodichloromethane
Concen: 49.88 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

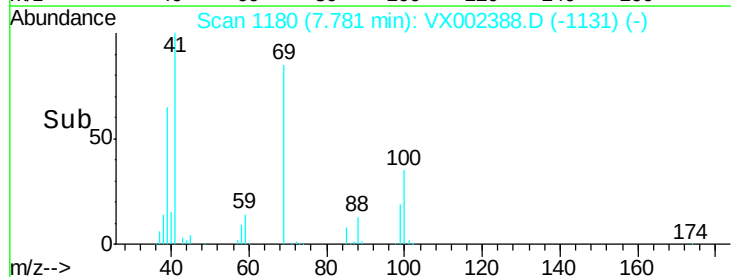
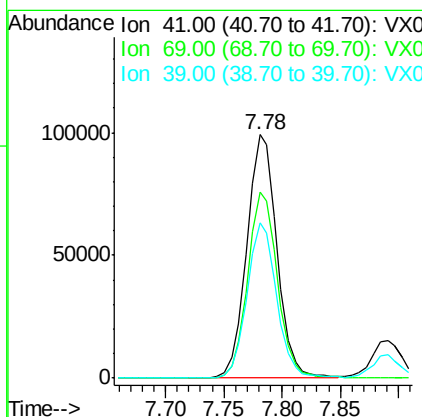
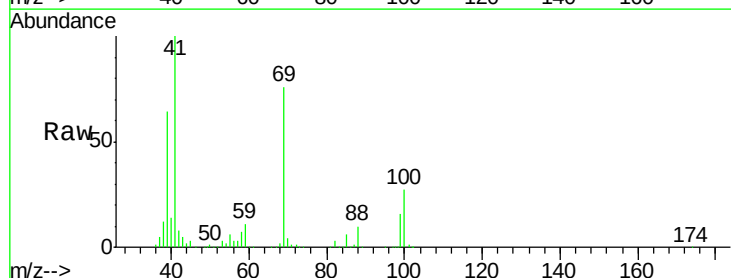
Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

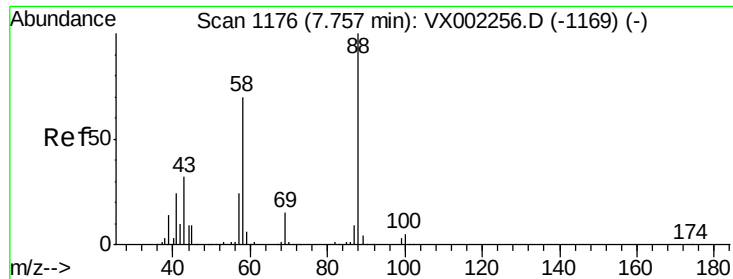
Tot Ion: 83 Resp: 177319
Ion Ratio Lower Upper
83 100
85 64.7 50.3 75.5
127 9.0 7.0 10.4



#48
Methyl methacrylate
Concen: 49.56 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 41 Resp: 178129
Ion Ratio Lower Upper
41 100
69 76.2 59.1 88.7
39 62.4 48.9 73.3

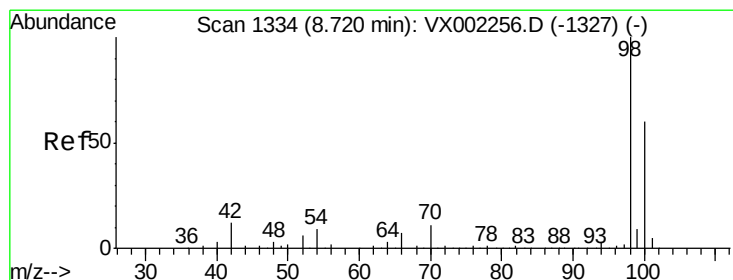
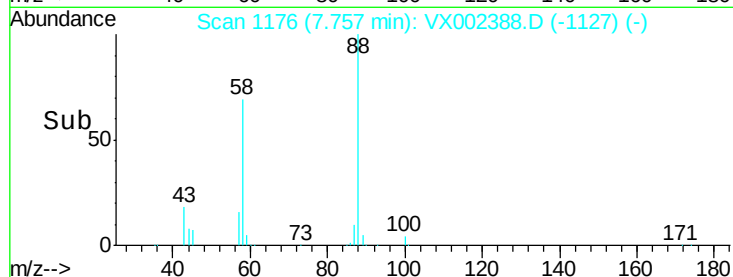
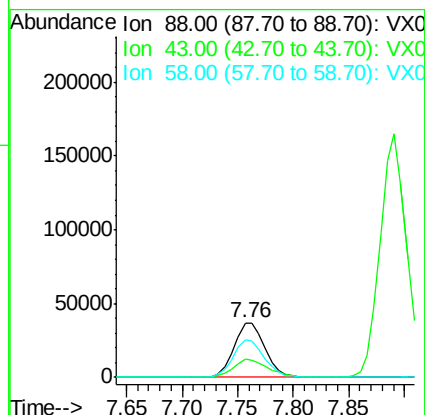
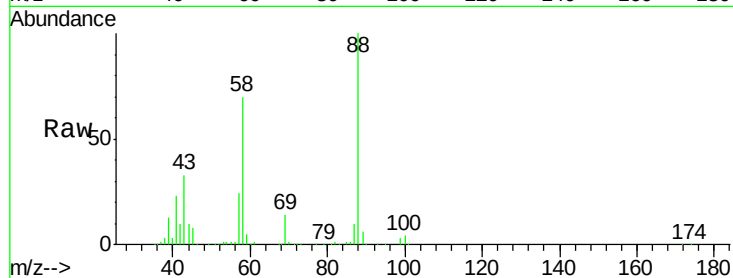




#49
1,4-Dioxane
Concen: 1063.24 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

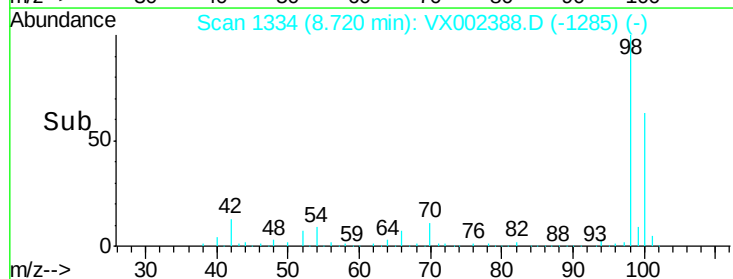
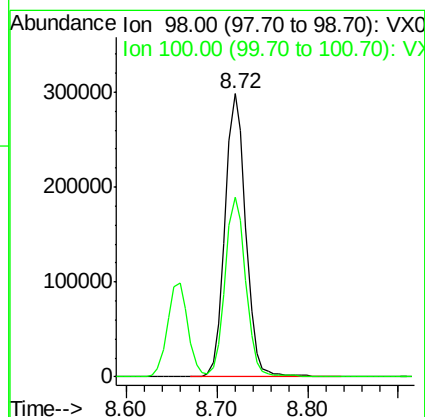
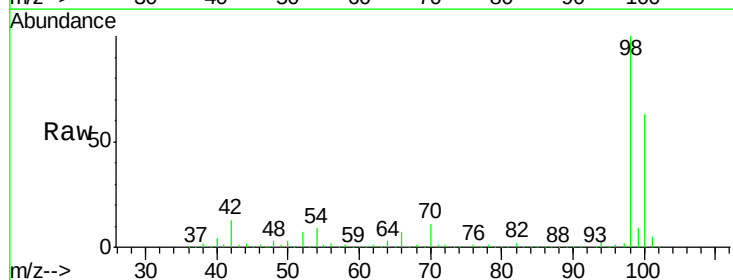
Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

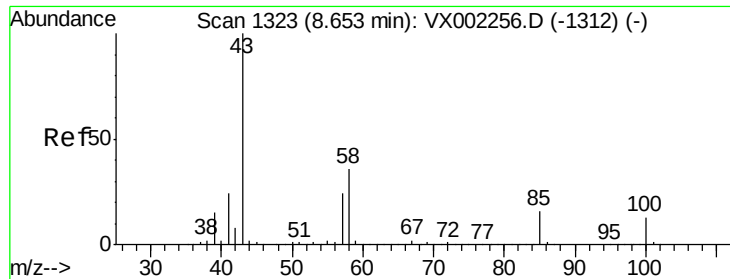
Tot Ion: 88 Resp: 71454
Ion Ratio Lower Upper
88 100
43 35.7 29.8 44.6
58 70.2 57.1 85.7



#50
Toluene-d8
Concen: 47.38 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 98 Resp: 475879
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 258.56 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

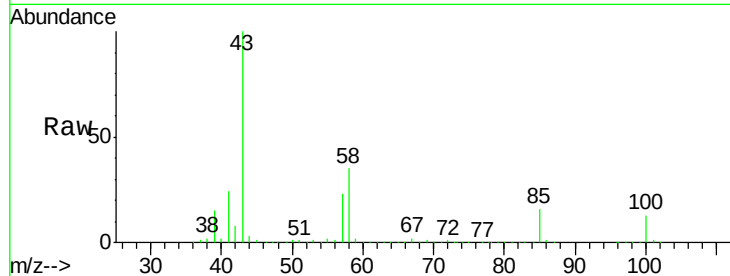
LF5-0064MS

Tot Ion: 43 Resp: 1152160

Ion Ratio Lower Upper

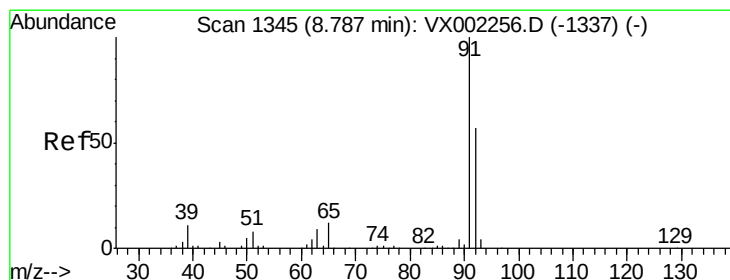
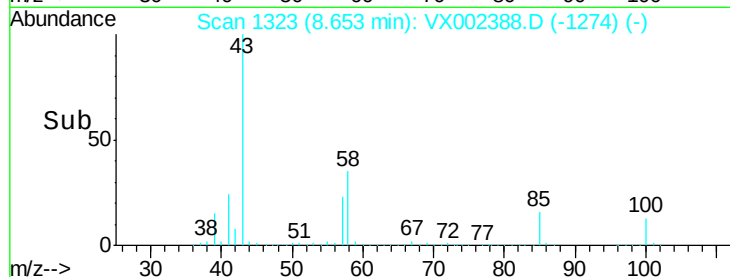
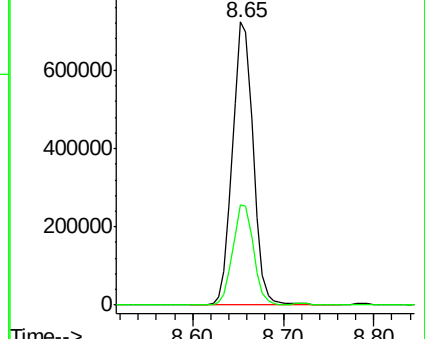
43 100

58 35.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.25 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002388.D

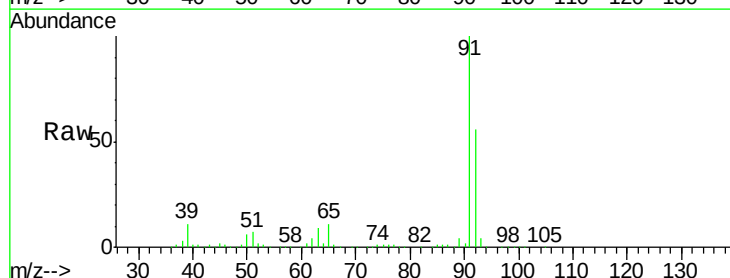
Acq: 07 Jun 2018 19:53

Tgt Ion: 92 Resp: 350130

Ion Ratio Lower Upper

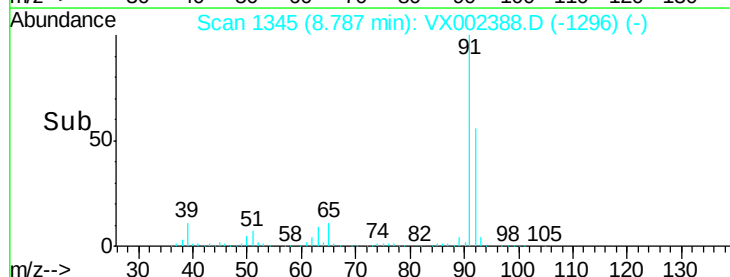
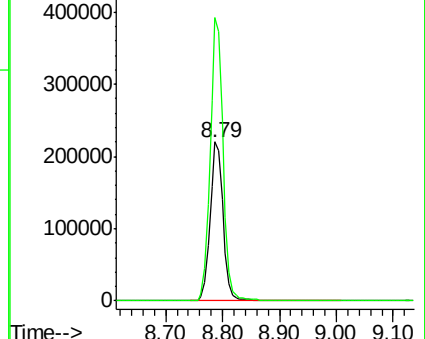
92 100

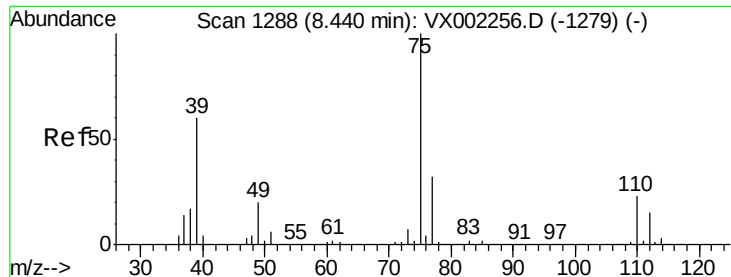
91 176.4 140.4 210.6



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: 48.43 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

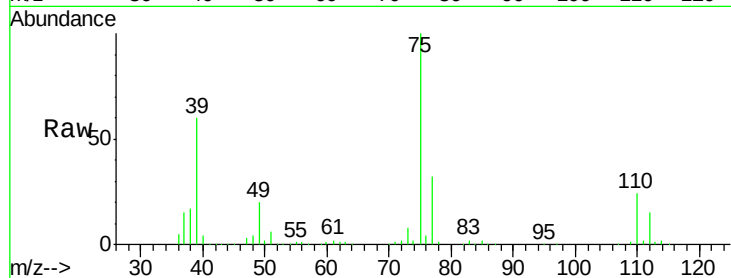
LF5-0064MS

Tot Ion: 75 Resp: 206481

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

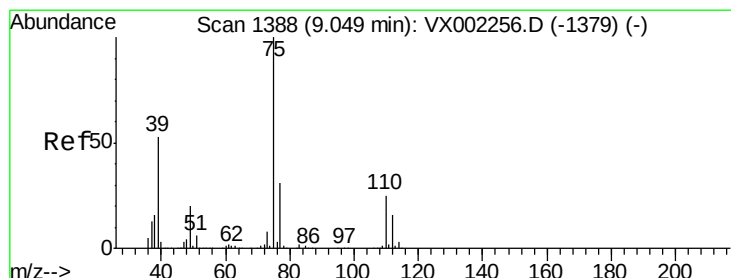
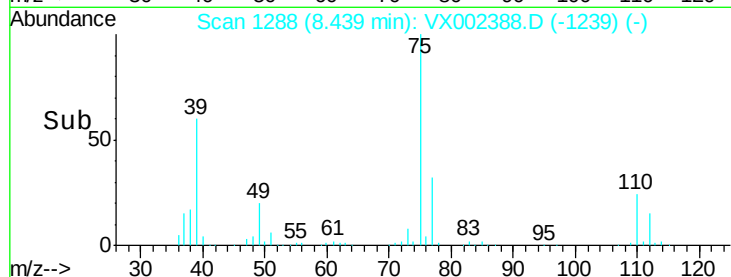
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.65 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

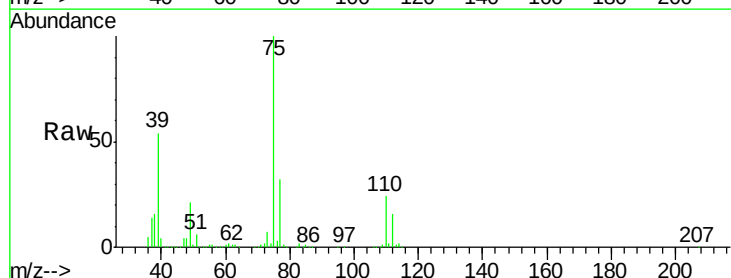
Tgt Ion: 75 Resp: 195703

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 53.4 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

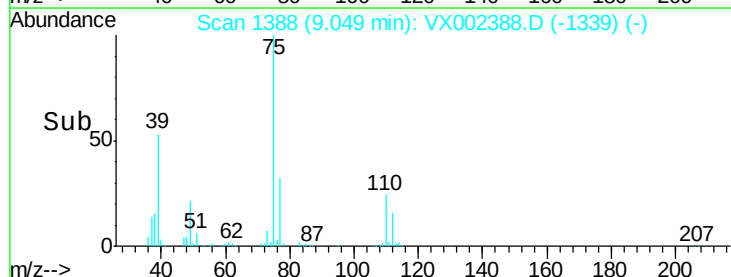
150000

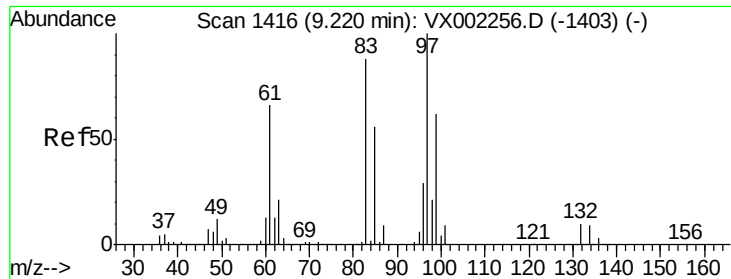
100000

50000

0

Time-->



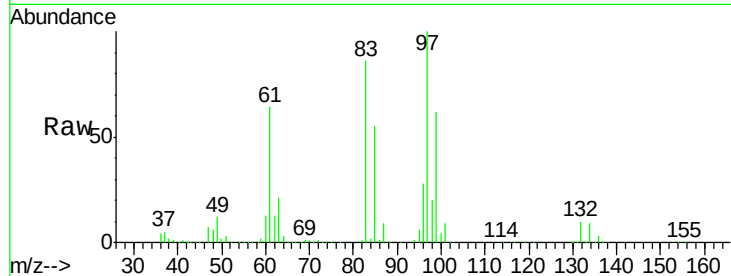


#55
 1,1,2-Trichloroethane
 Concen: 51.30 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tot Ion: 97 Resp: 144128

Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.2	105.2
85	54.9	44.9	67.3
99	61.9	49.8	74.8



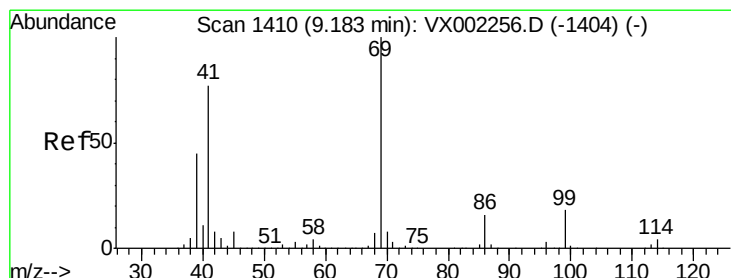
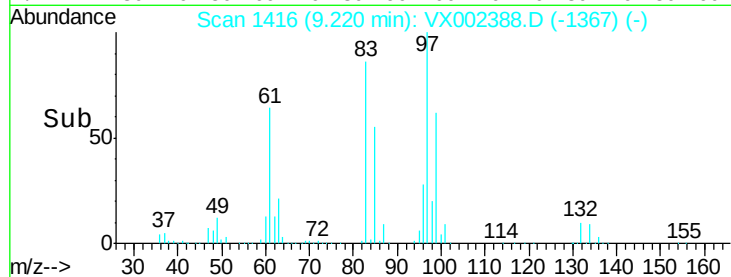
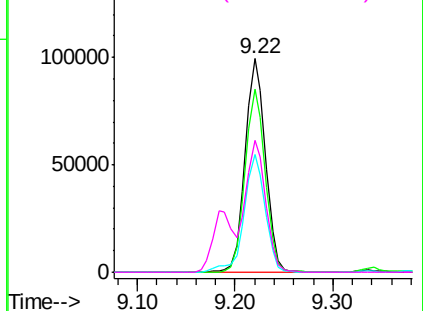
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

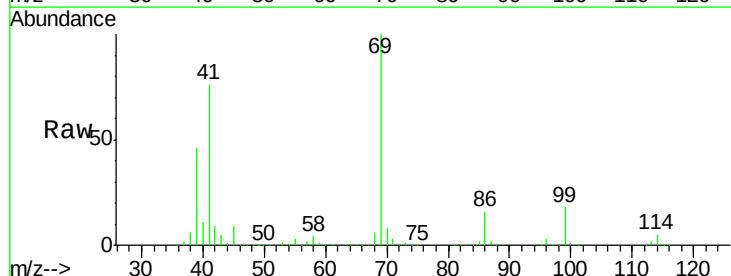
Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 49.90 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 69 Resp: 223844

Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.3	90.5
39	44.9	35.8	53.8

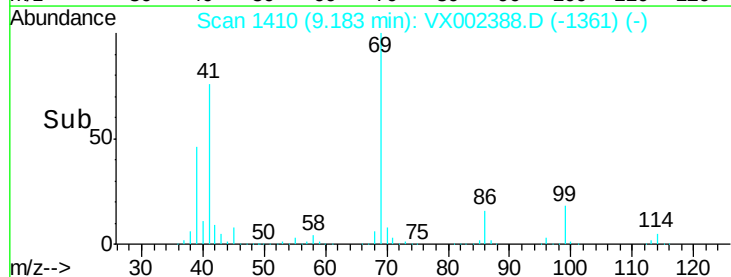
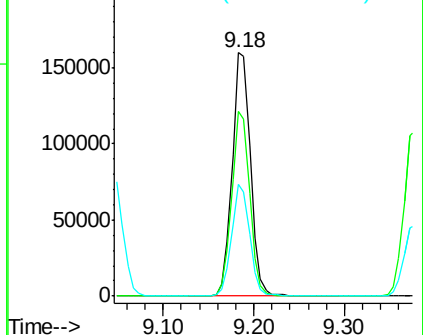


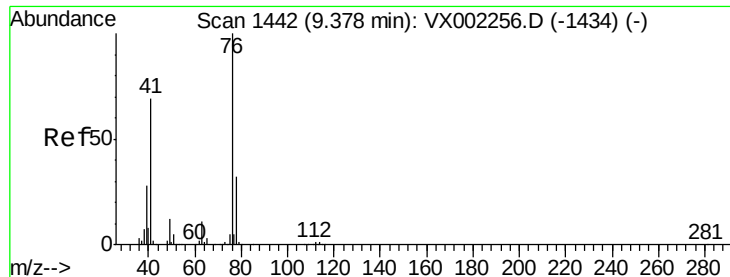
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.20 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

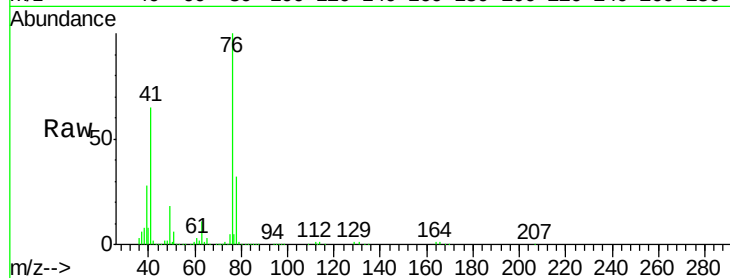
LF5-0064MS

Tot Ion: 76 Resp: 236647

Ion Ratio Lower Upper

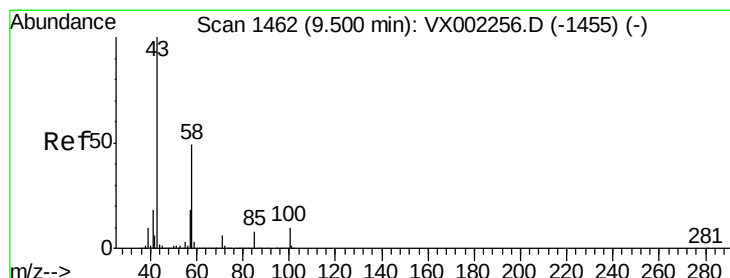
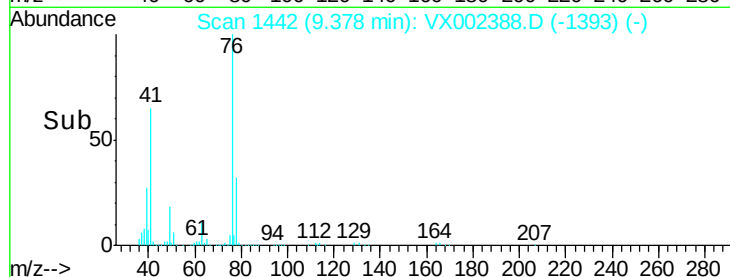
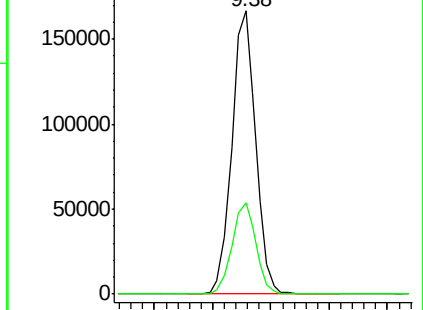
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 257.65 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX002388.D

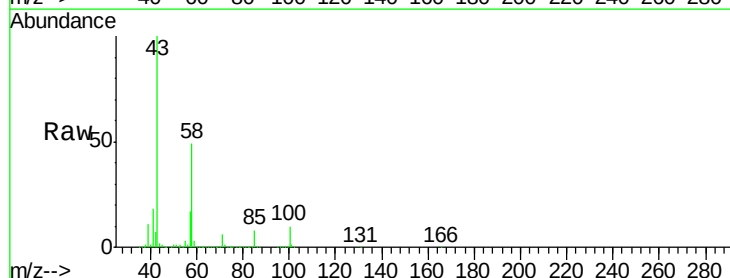
Acq: 07 Jun 2018 19:53

Tgt Ion: 43 Resp: 886789

Ion Ratio Lower Upper

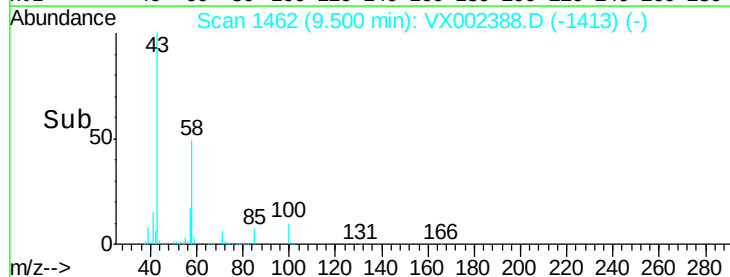
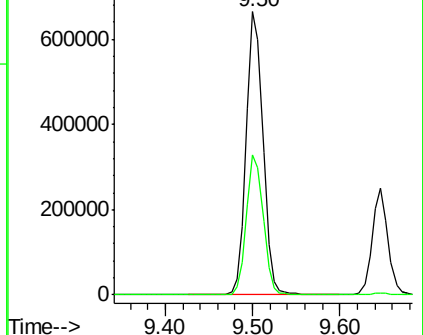
43 100

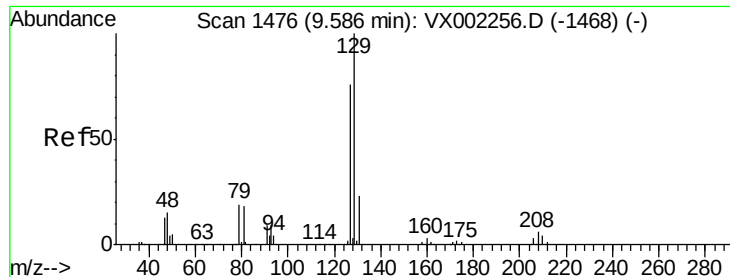
58 49.7 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 51.78 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

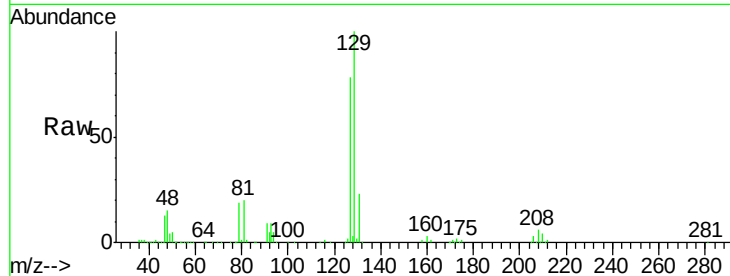
LF5-0064MS

Tot Ion:129 Resp: 146335

Ion Ratio Lower Upper

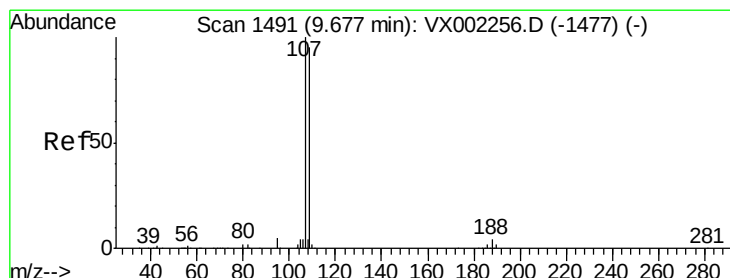
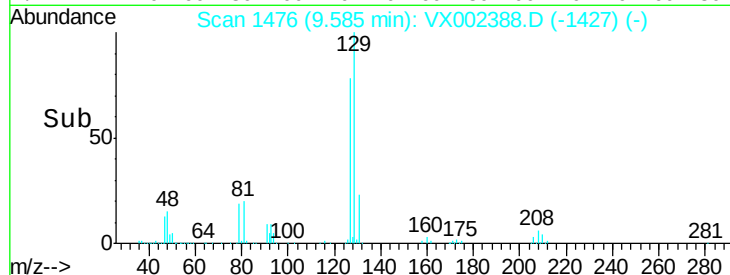
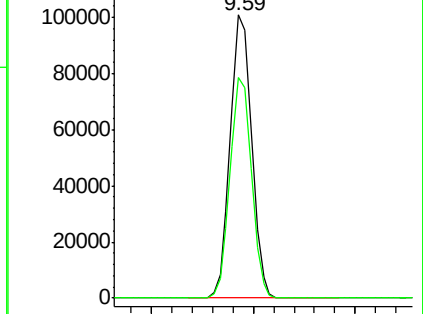
129 100

127 78.1 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.97 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002388.D

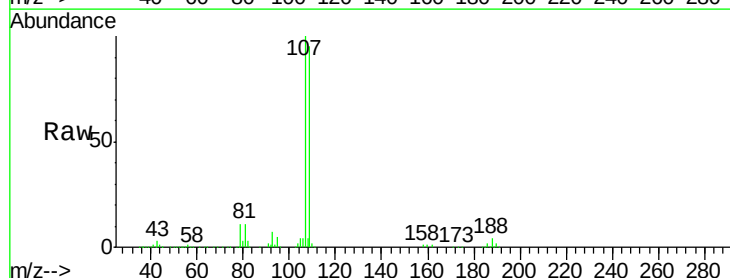
Acq: 07 Jun 2018 19:53

Tgt Ion:107 Resp: 149328

Ion Ratio Lower Upper

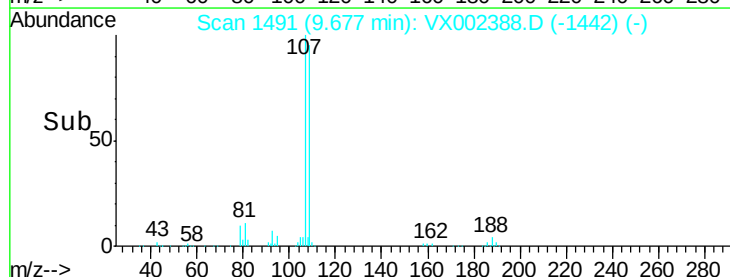
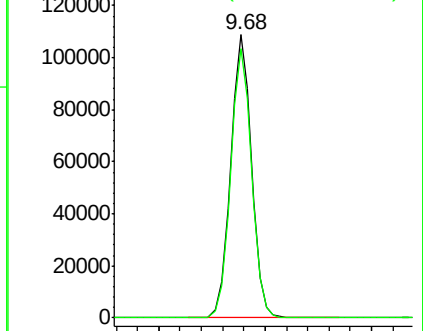
107 100

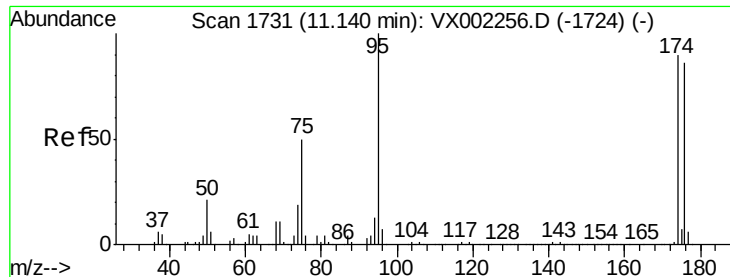
109 95.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

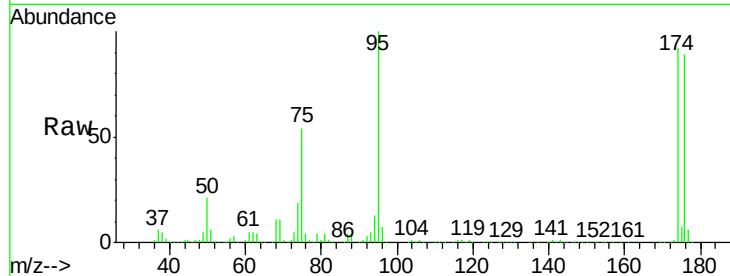




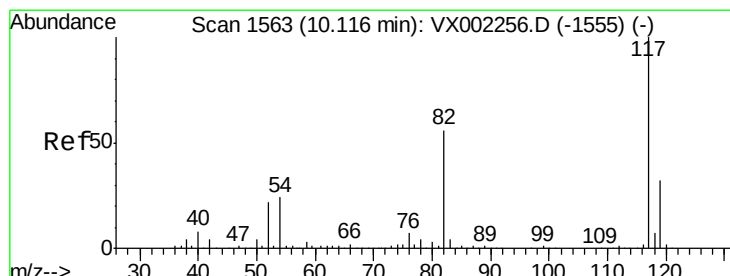
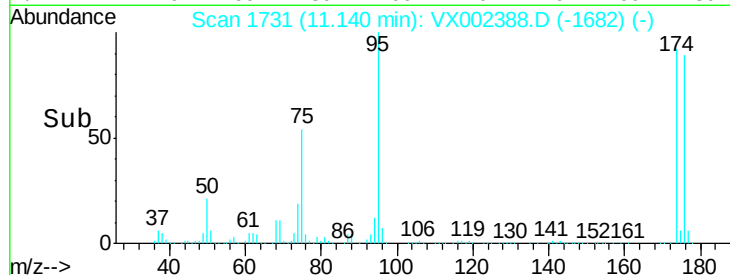
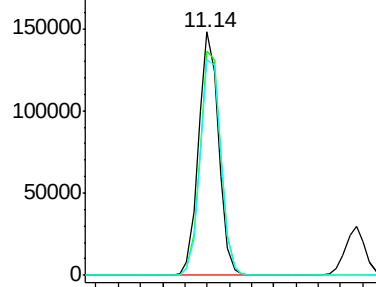
#62
4-Bromofluorobenzene
Concen: 47.38 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
LF5-0064MS

Tot Ion: 95 Resp: 183518
Ion Ratio Lower Upper
95 100
174 95.6 0.0 187.4
176 92.3 0.0 181.0

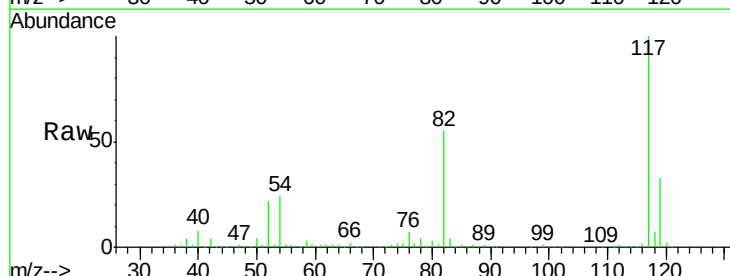


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

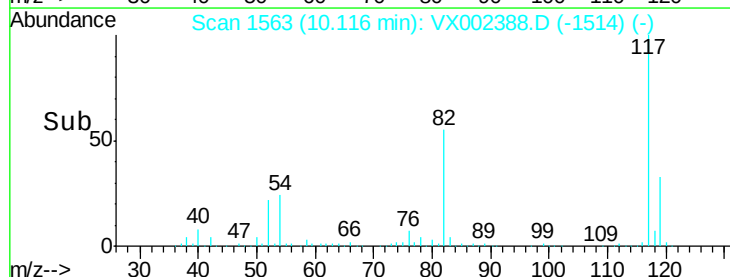
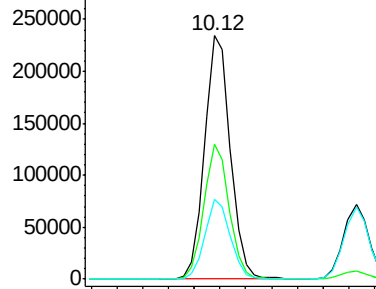


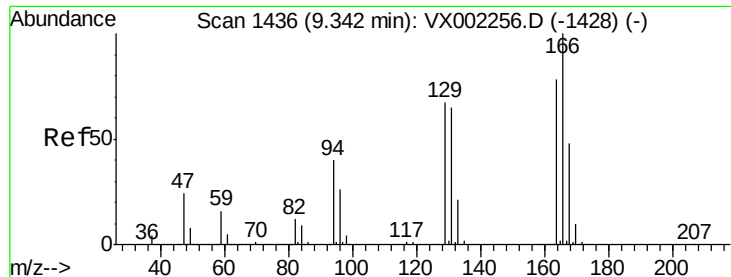
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 117 Resp: 327330
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 48.43 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

Tot Ion:164 Resp: 163483

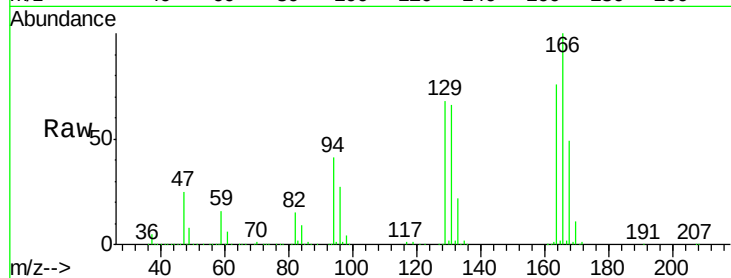
Ion Ratio Lower Upper

164 100

166 131.0 102.9 154.3

129 89.0 68.6 102.8

131 86.0 66.8 100.2

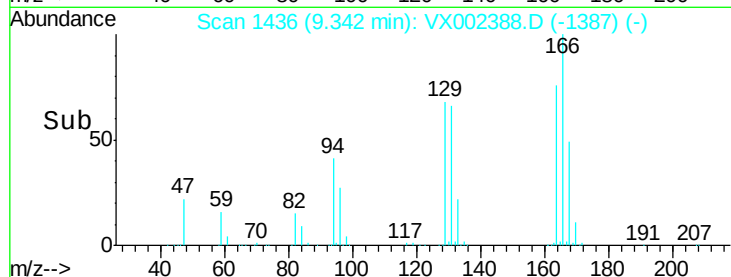


Abundance Ion 163.80 (163.50 to 164.50): V

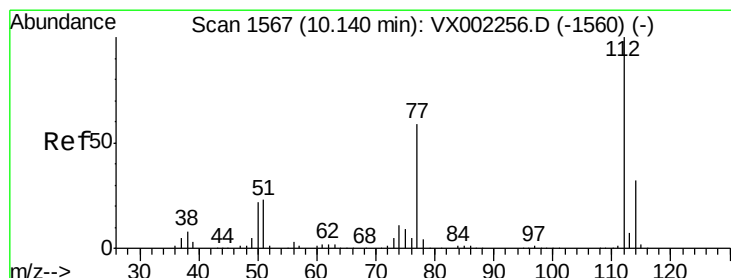
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#65

Chlorobenzene

Concen: 49.44 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VX002388.D

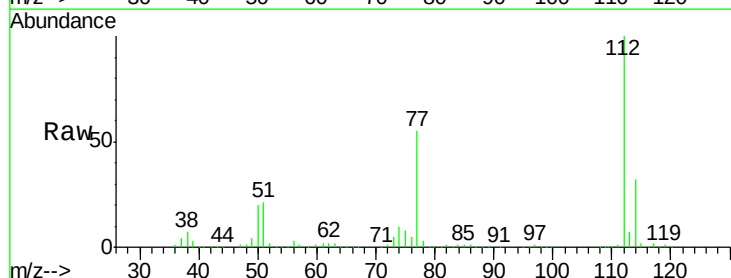
Acq: 07 Jun 2018 19:53

Tgt Ion:112 Resp: 402678

Ion Ratio Lower Upper

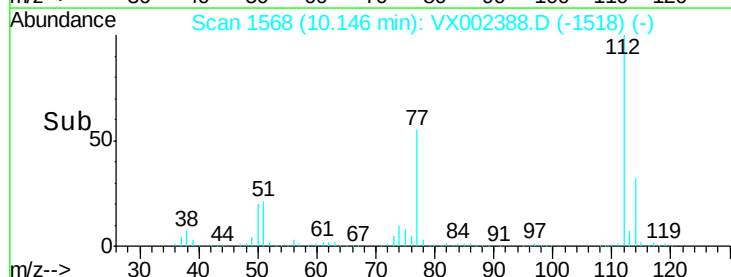
112 100

114 32.3 25.3 37.9

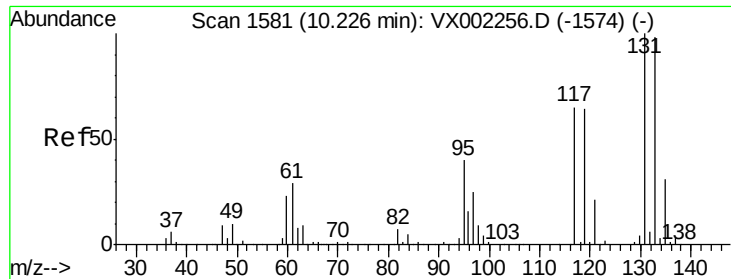


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.11 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

LF5-0064MS

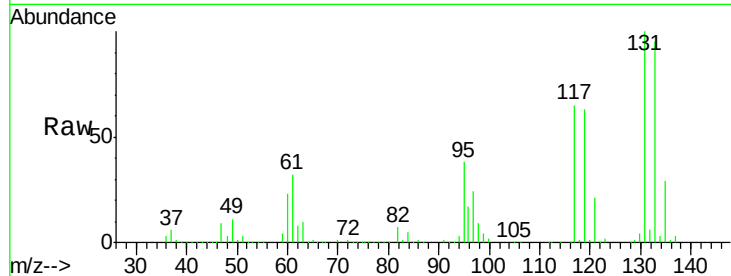
Tot Ion:131 Resp: 147780

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.6

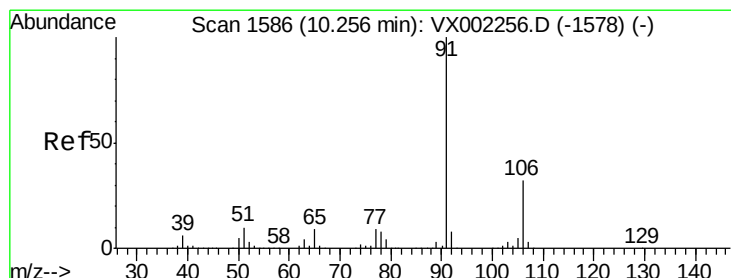
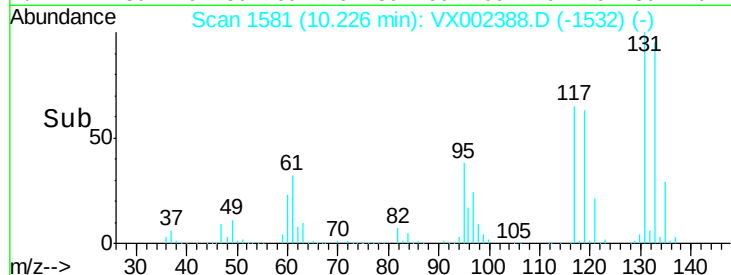
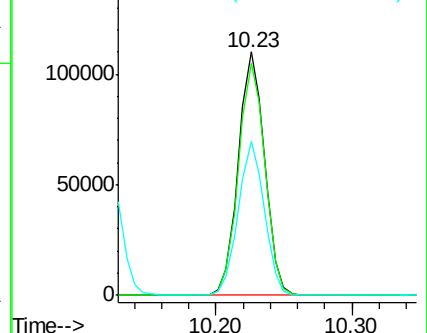
119 62.8 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 51.30 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002388.D

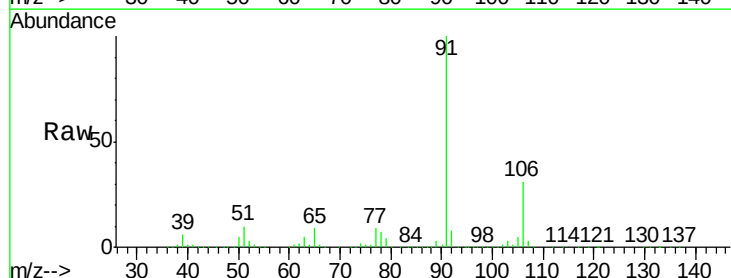
Acq: 07 Jun 2018 19:53

Tgt Ion: 91 Resp: 699233

Ion Ratio Lower Upper

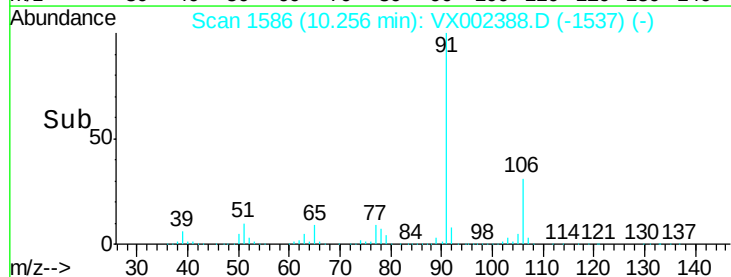
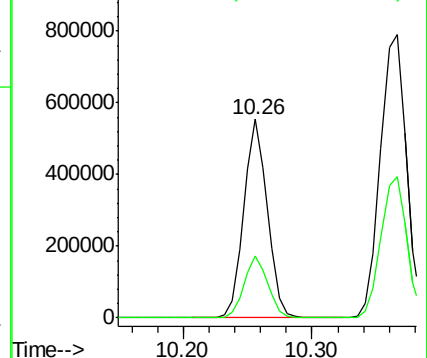
91 100

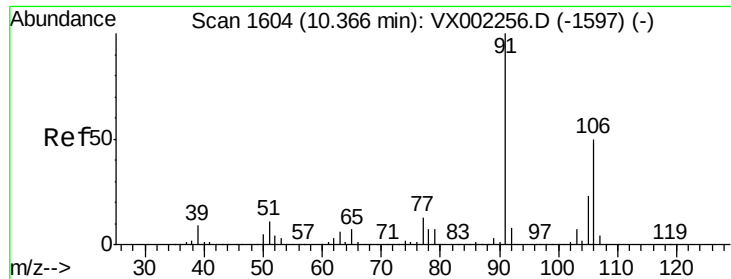
106 31.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 102.65 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

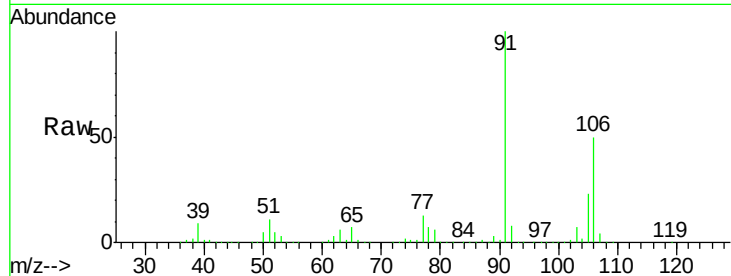
LF5-0064MS

Tot Ion:106 Resp: 543909

Ion Ratio Lower Upper

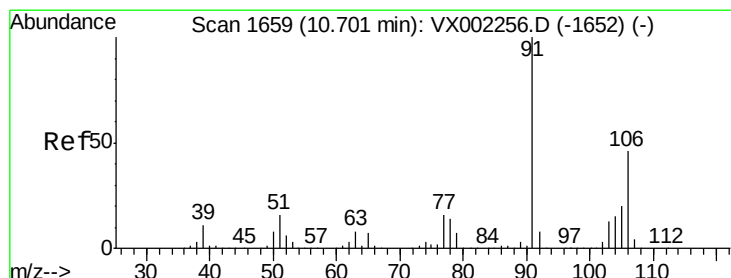
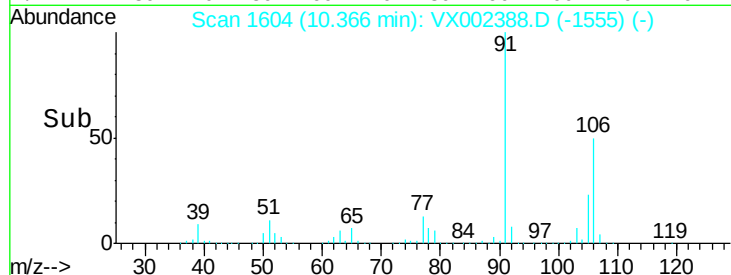
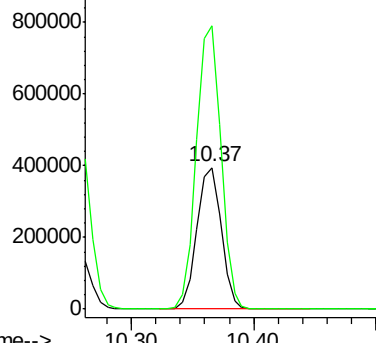
106 100

91 203.1 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 50.62 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002388.D

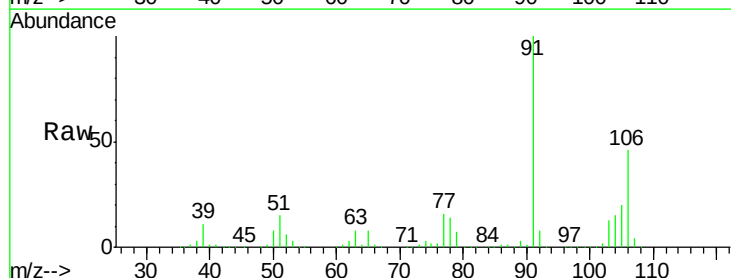
Acq: 07 Jun 2018 19:53

Tgt Ion:106 Resp: 266916

Ion Ratio Lower Upper

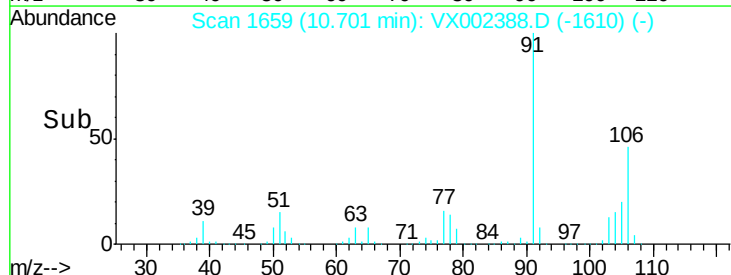
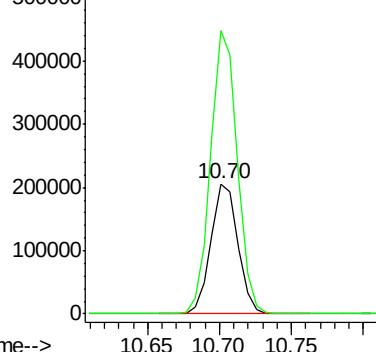
106 100

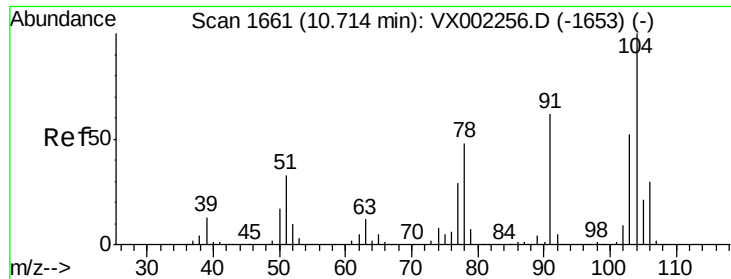
91 216.1 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

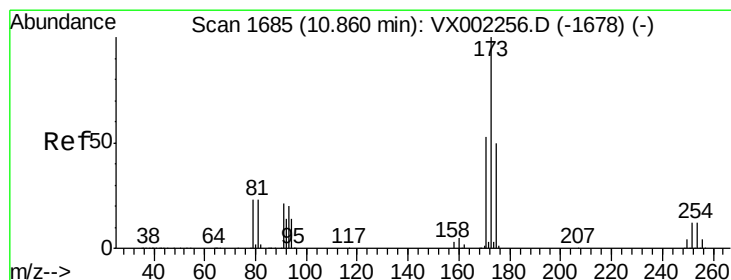
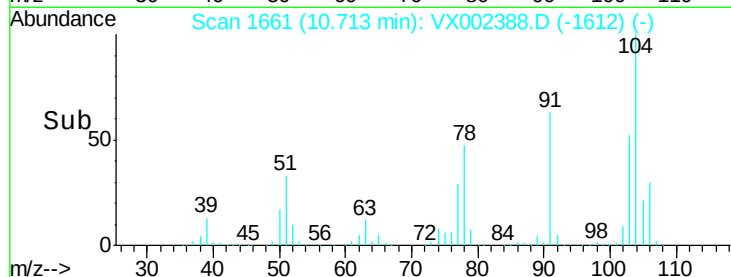
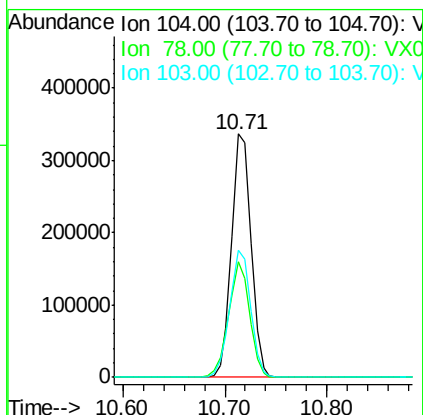
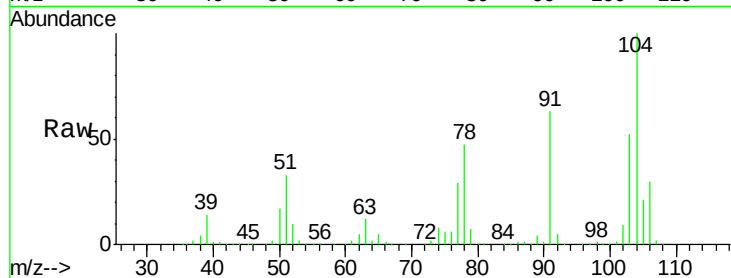




#70
Stvrene
Concen: 51.52 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

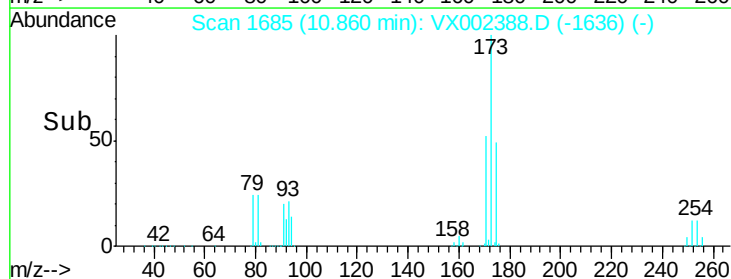
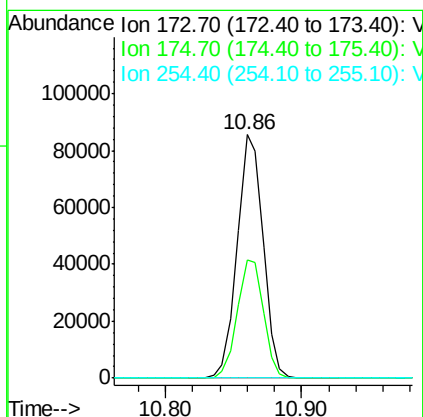
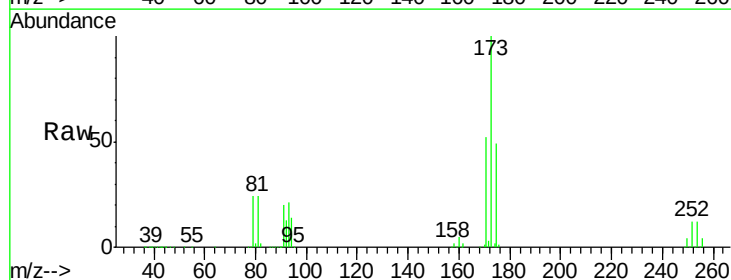
Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

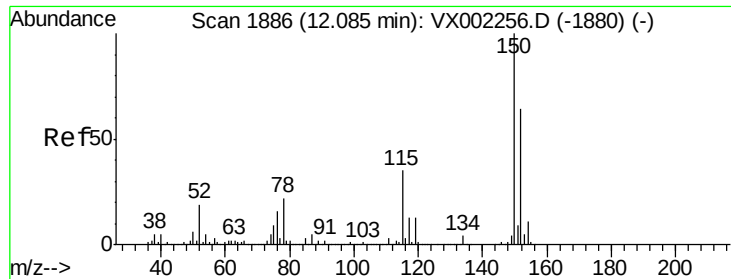
Tot Ion:104 Resp: 444108
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.6
103 55.9 44.2 66.4



#71
Bromoform
Concen: 43.38 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion:173 Resp: 113290
Ion Ratio Lower Upper
173 100
175 49.2 24.7 74.1
254 0.2 0.2 0.2

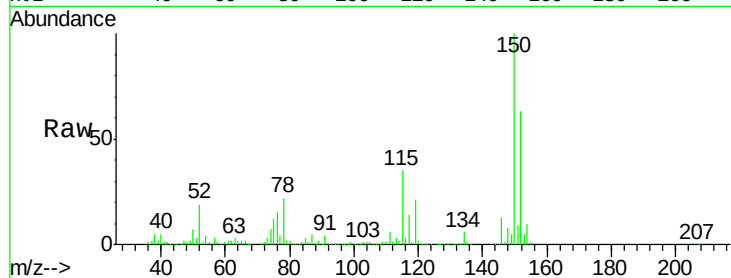




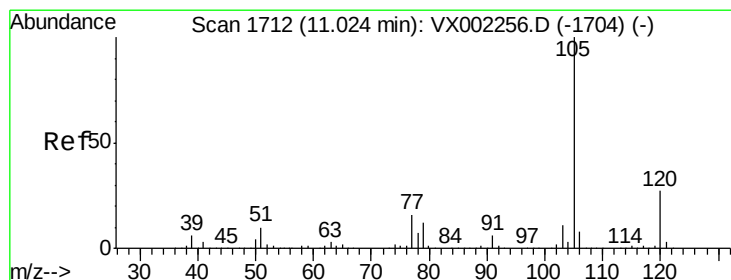
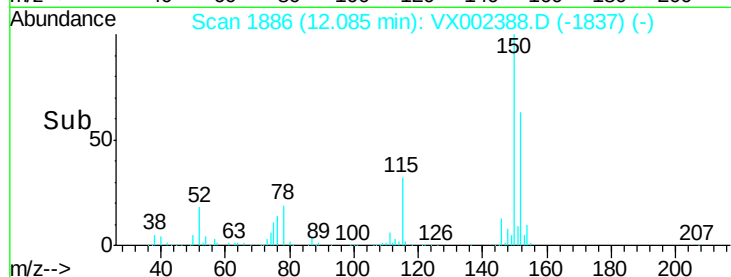
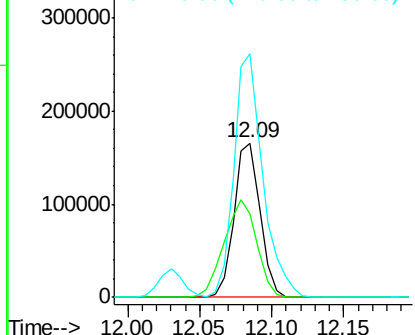
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tot Ion:152 Resp: 209771
 Ion Ratio Lower Upper
 152 100
 115 79.2 40.1 120.2
 150 174.9 0.0 347.2

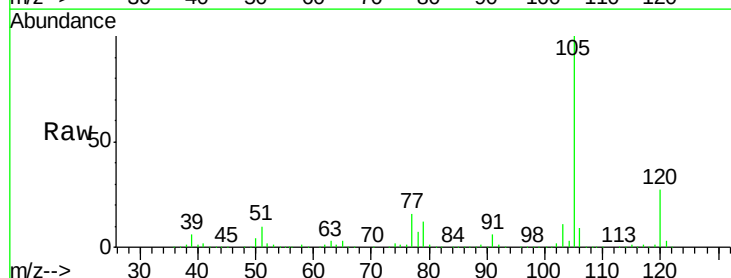


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

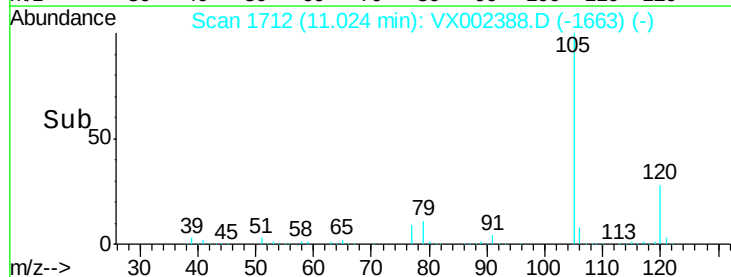
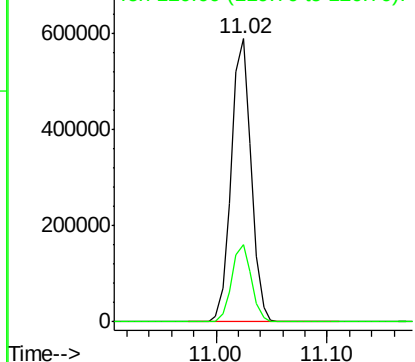


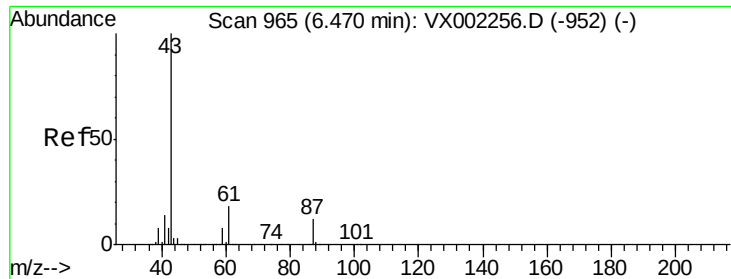
#73
 Isopropylbenzene
 Concen: 49.74 ug/l
 RT: 11.02 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion:105 Resp: 725802
 Ion Ratio Lower Upper
 105 100
 120 27.2 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: 43.21 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

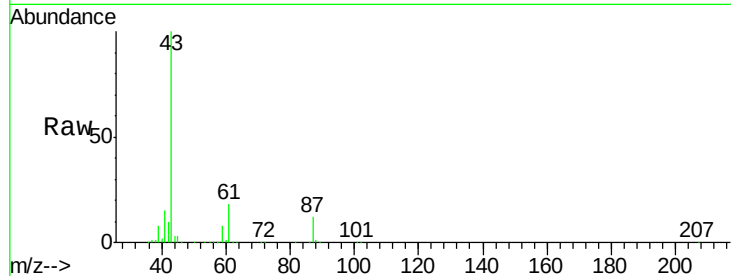
ClientSampleId :

LF5-0064MS

Tot Ion: 43 Resp: 339761

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.1	0.0	0.0#
61	18.2	14.4	21.6

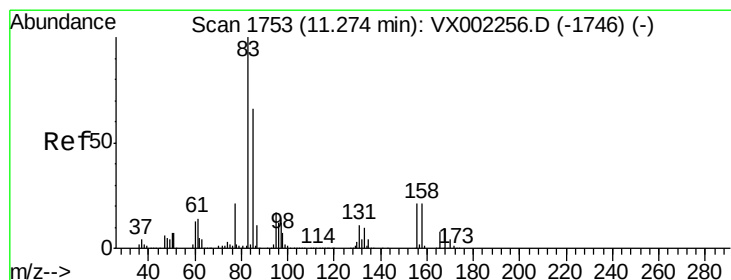
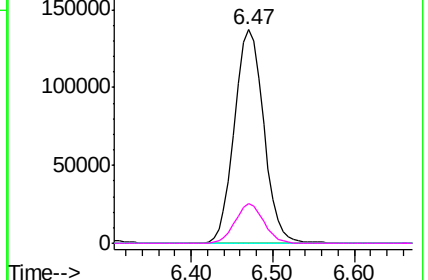
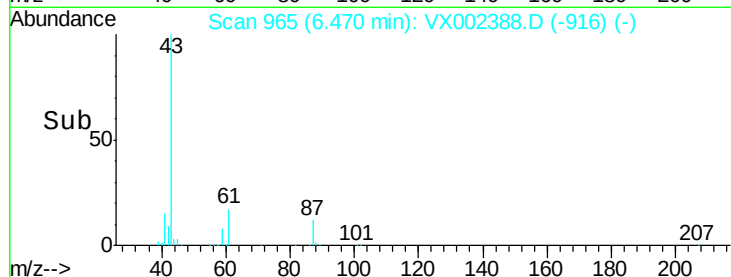


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.93 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

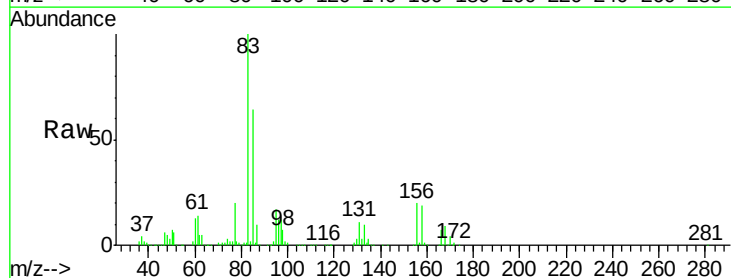
Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Tgt Ion: 83 Resp: 219978

Ion Ratio Lower Upper

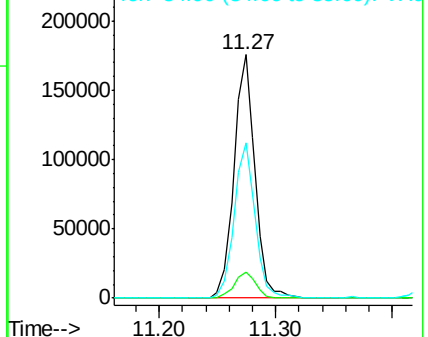
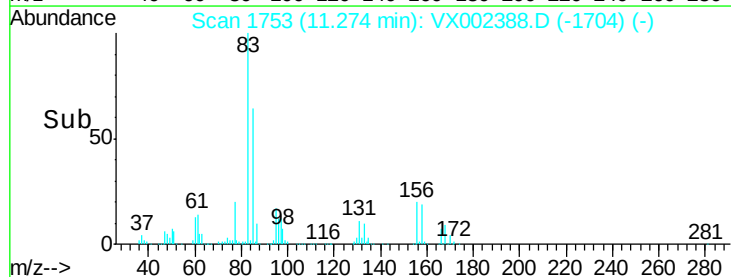
83	100		
131	11.2	5.6	16.8
85	64.1	32.4	97.2

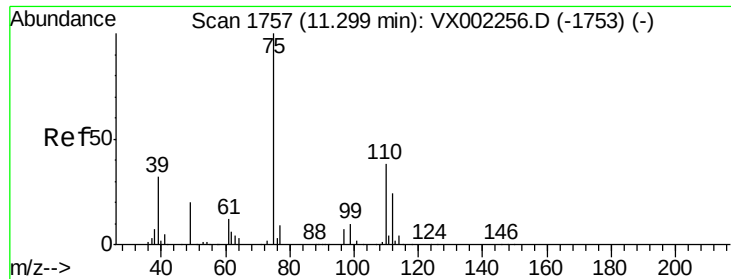


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 54.79 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

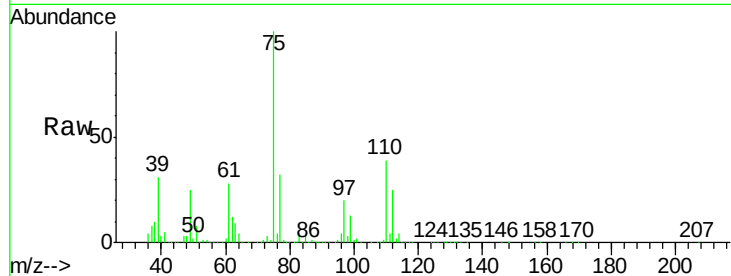
LF5-0064MS

Tot Ion: 75 Resp: 252214

Ion Ratio Lower Upper

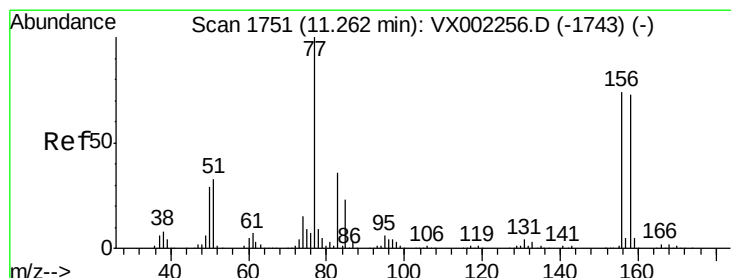
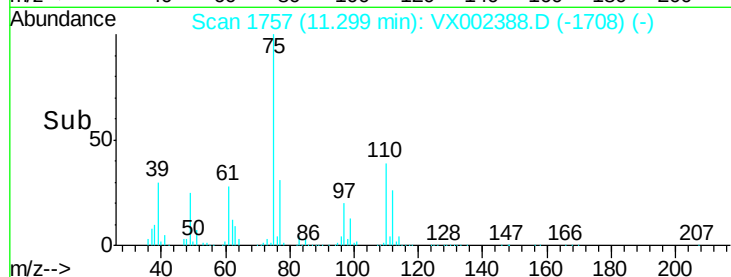
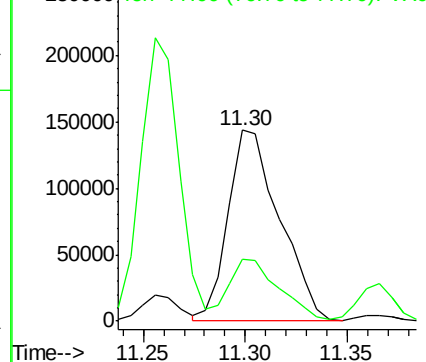
75 100

77 31.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 47.94 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

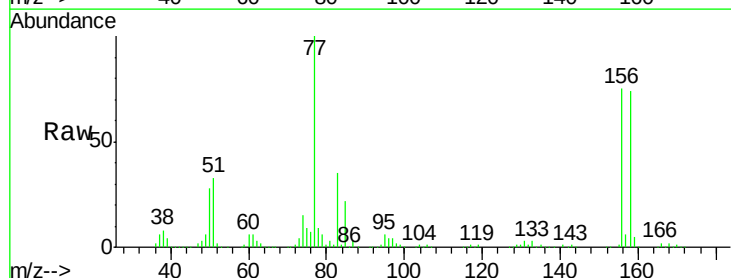
Tgt Ion: 156 Resp: 196412

Ion Ratio Lower Upper

156 100

77 140.7 71.4 214.2

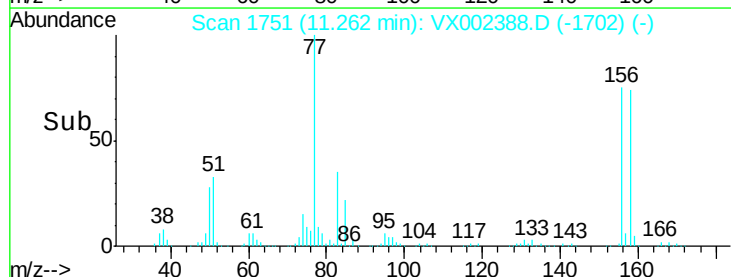
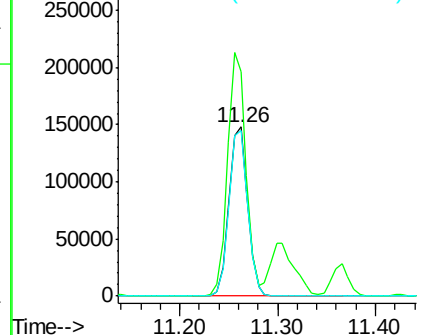
158 97.9 48.9 146.6

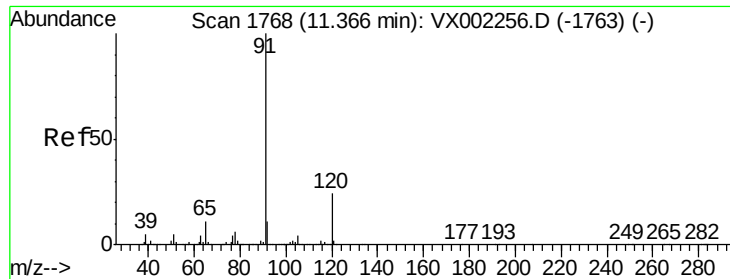


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 51.14 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

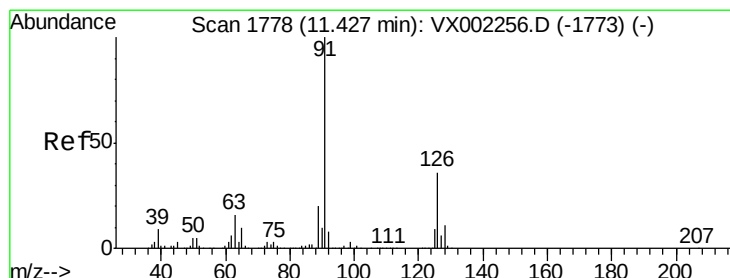
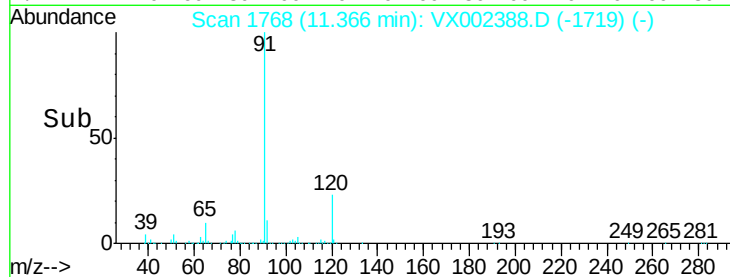
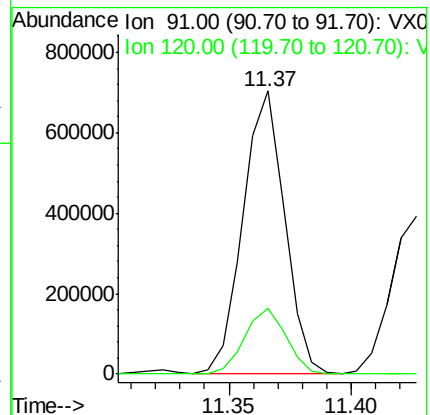
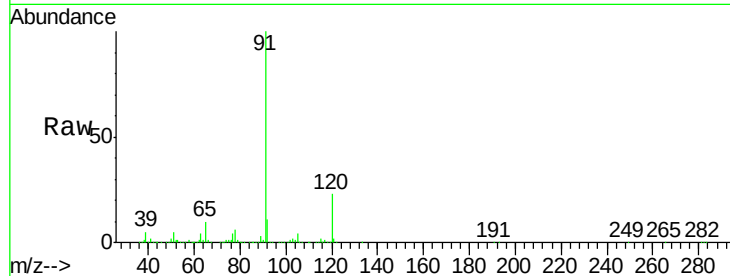
LF5-0064MS

Tot Ion: 91 Resp: 829503

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.4



#79

2-Chlorotoluene

Concen: 47.78 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002388.D

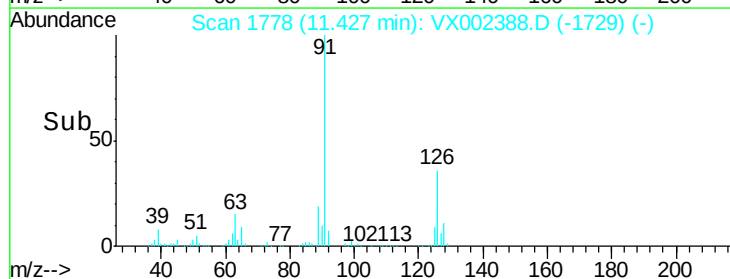
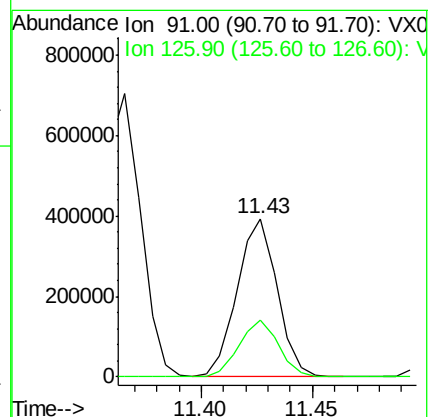
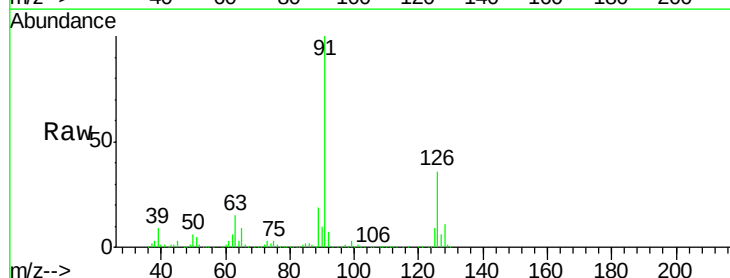
Acq: 07 Jun 2018 19:53

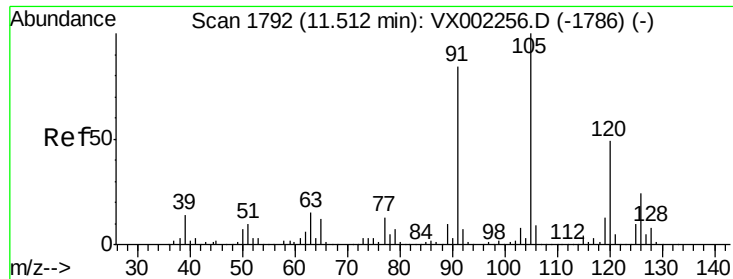
Tgt Ion: 91 Resp: 489334

Ion Ratio Lower Upper

91 100

126 35.7 17.7 53.1

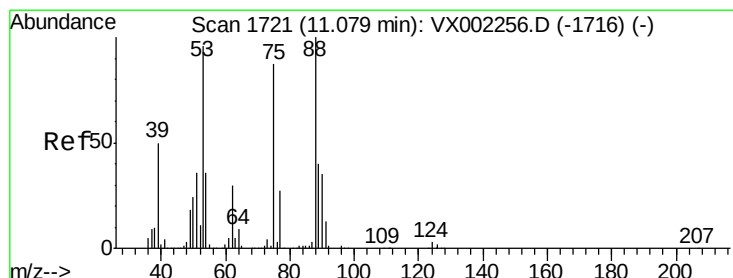
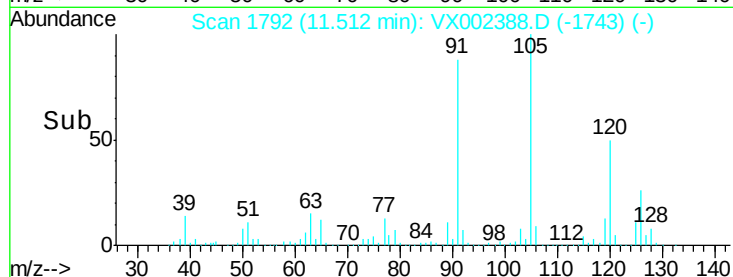
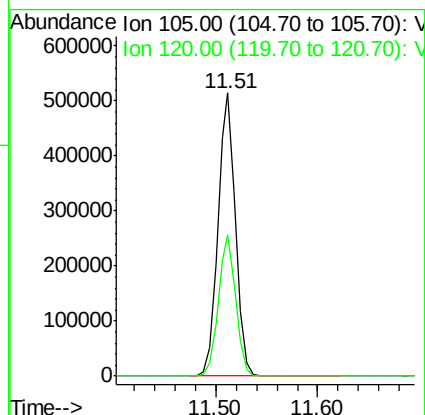
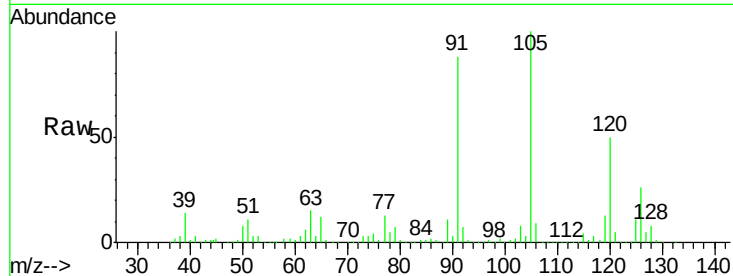




#80
 1,3,5-Trimethylbenzene
 Concen: 49.55 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

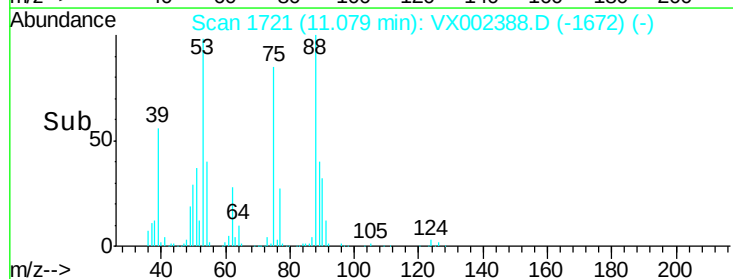
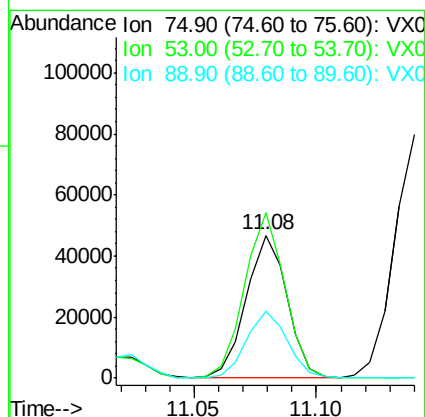
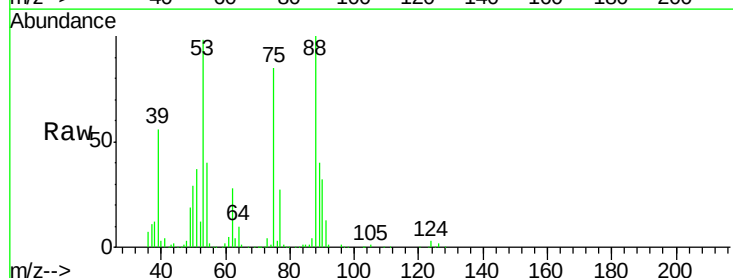
Instrument :
 MSVOA_X
 ClientSampled :
 LF5-0064MS

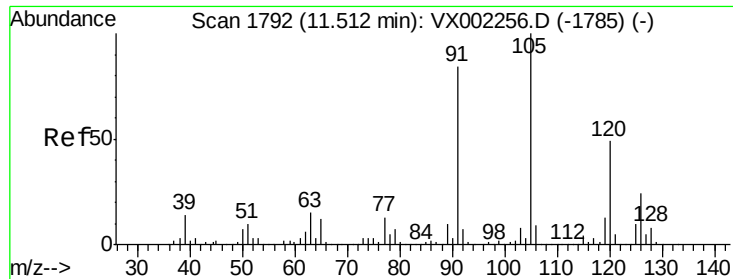
Tot Ion:105 Resp: 620250
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.50 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 75 Resp: 54498
 Ion Ratio Lower Upper
 75 100
 53 115.4 86.8 130.2
 89 46.9 38.2 57.2

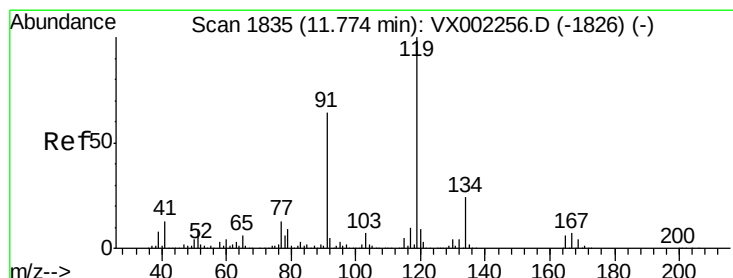
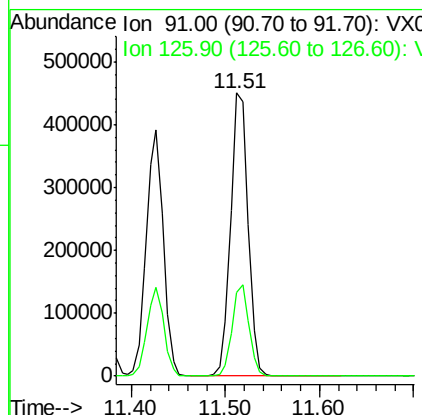
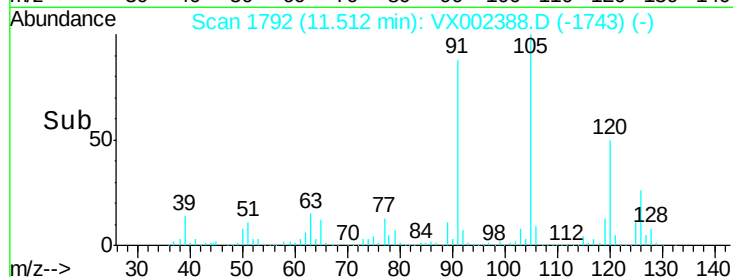
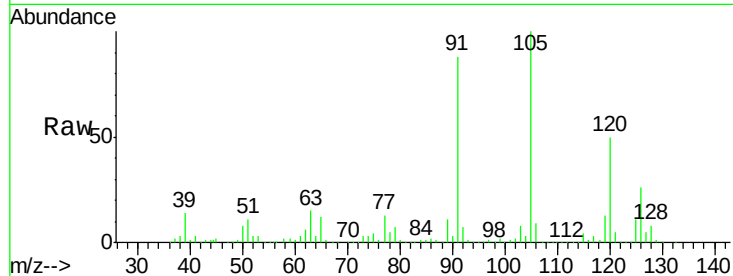




#82
4-Chlorotoluene
Concen: 49.25 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

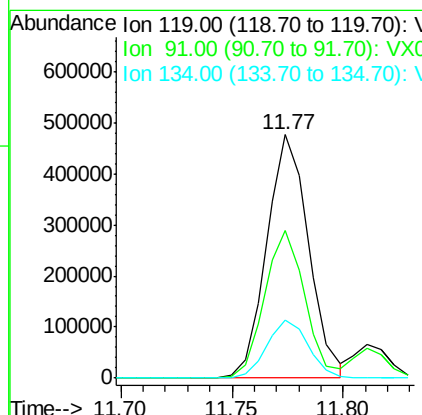
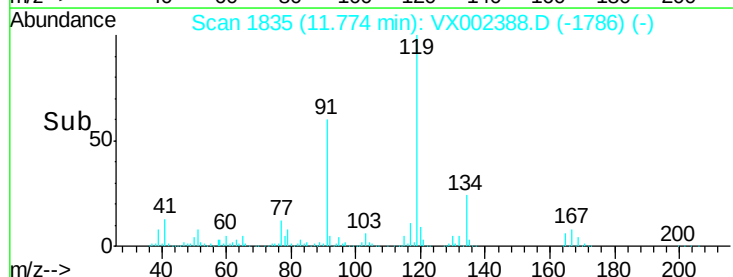
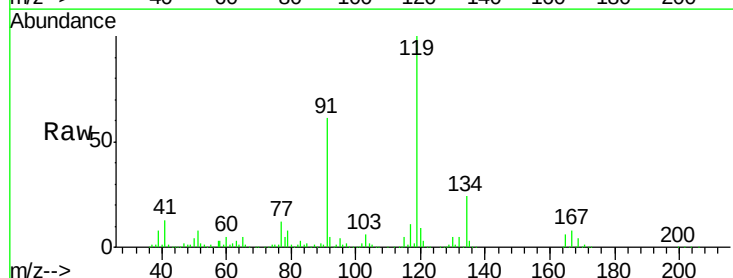
Instrument :
MSVOA_X
ClientSampled :
LF5-0064MS

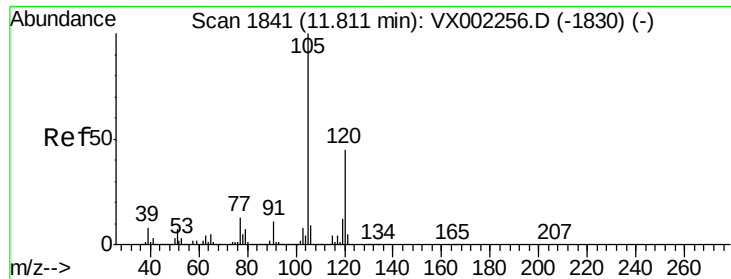
Tot Ion: 91 Resp: 582162
Ion Ratio Lower Upper
91 100
126 31.0 15.4 46.4



#83
tert-Butylbenzene
Concen: 50.90 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002388.D
Acq: 07 Jun 2018 19:53

Tgt Ion: 119 Resp: 620394
Ion Ratio Lower Upper
119 100
91 58.7 30.3 90.9
134 23.5 11.7 35.1

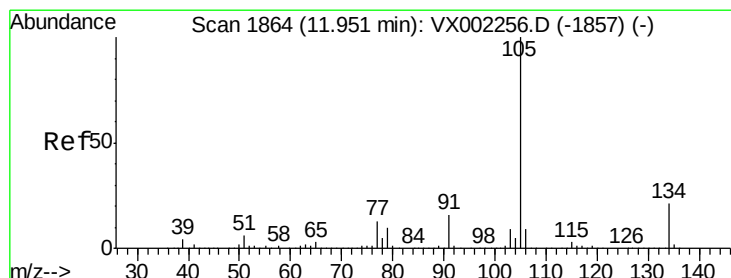
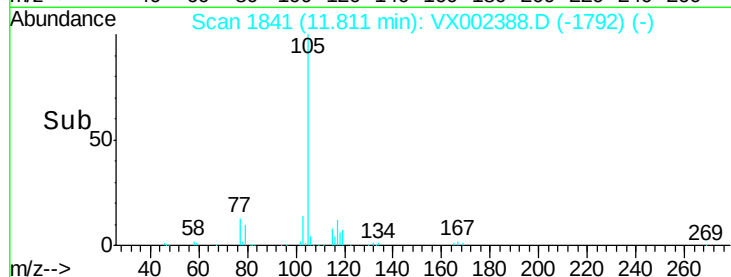
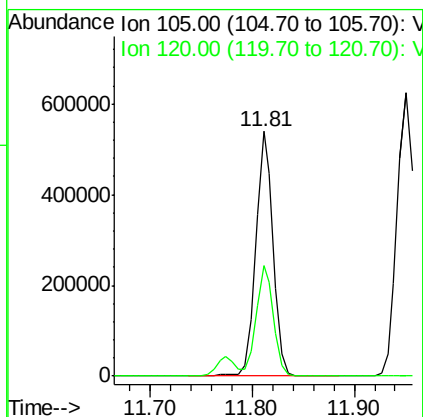
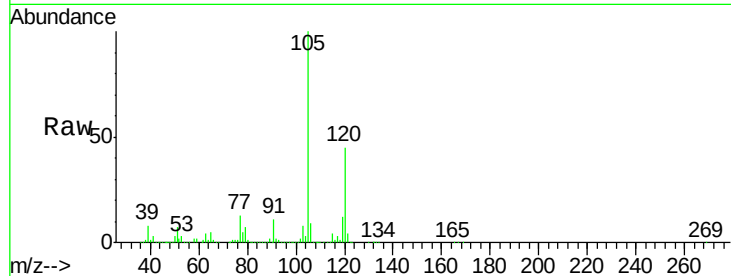




#84
 1,2,4-Trimethylbenzene
 Concen: 49.95 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

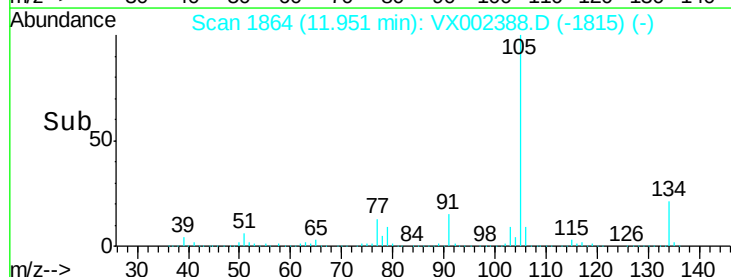
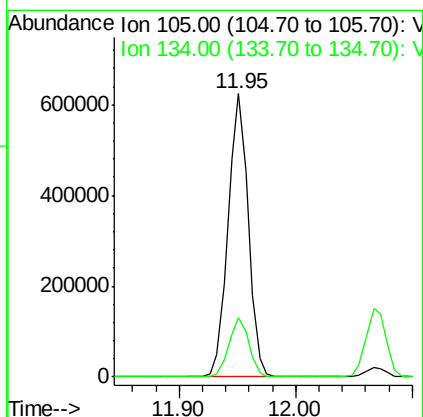
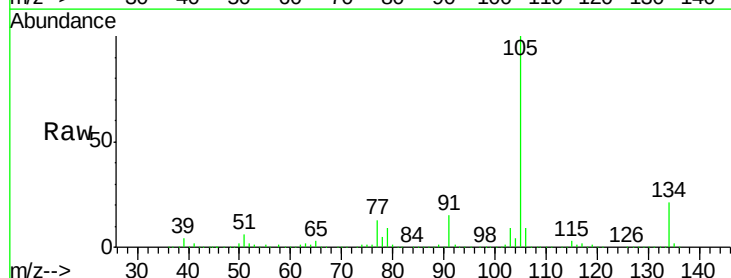
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

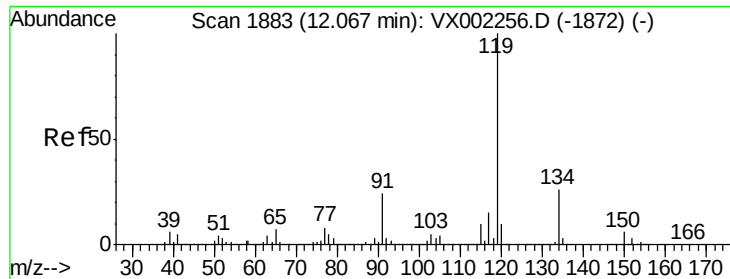
Tot Ion:105 Resp: 643570
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 52.48 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion:105 Resp: 749871
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1

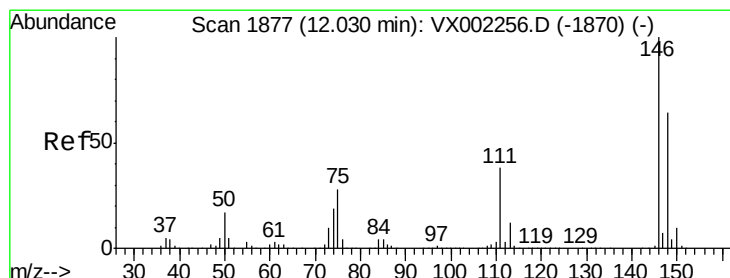
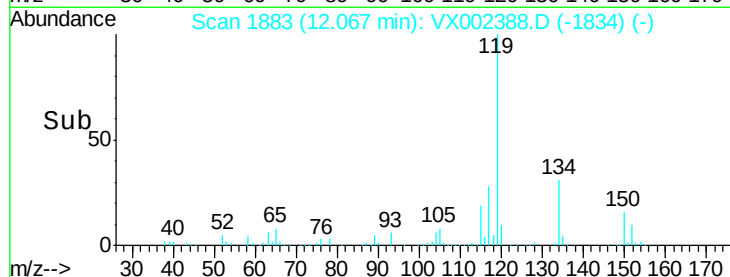
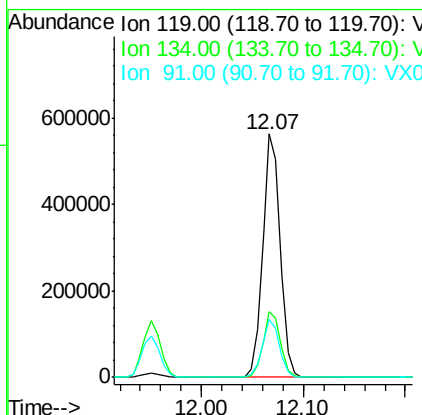
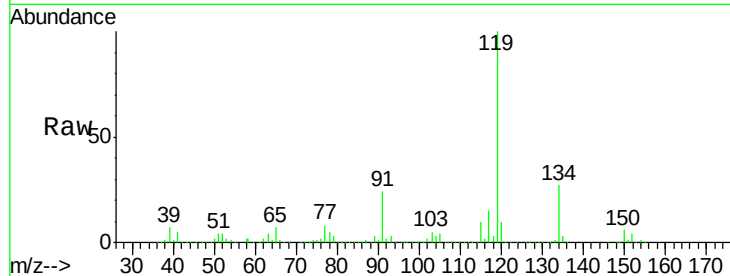




#86
 p-Isopropyltoluene
 Concen: 51.89 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

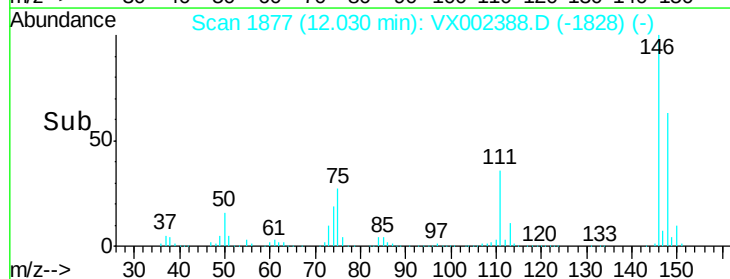
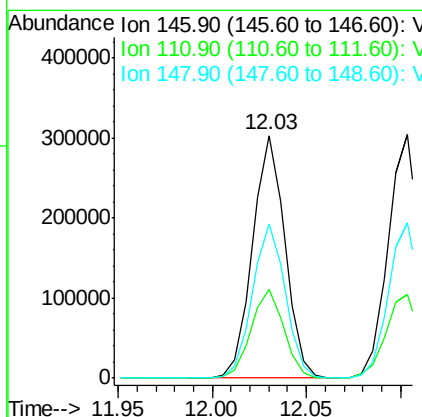
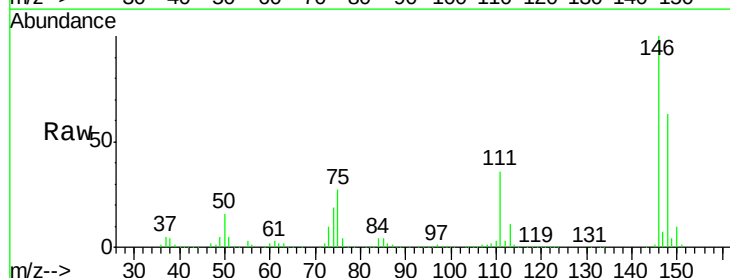
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

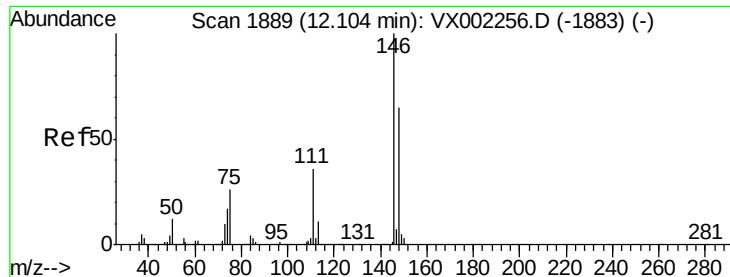
Tot Ion:119 Resp: 675410
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.1
 91 23.4 11.9 35.7



#87
 1,3-Dichlorobenzene
 Concen: 49.33 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion:146 Resp: 361342
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.9 56.7
 148 64.3 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 48.45 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MS

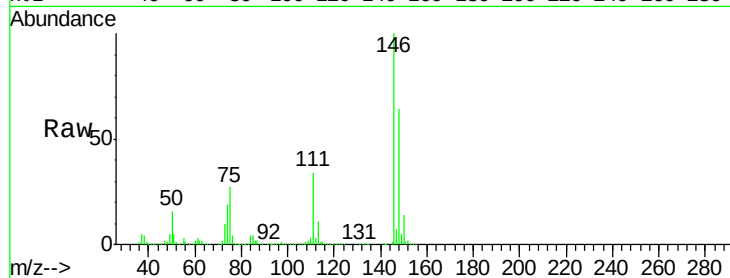
Tot Ion:146 Resp: 365787

Ion Ratio Lower Upper

146 100

111 36.3 18.7 56.1

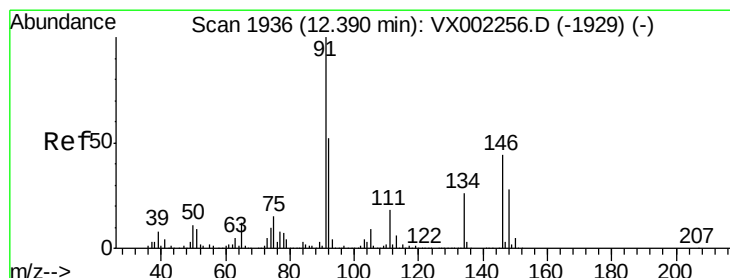
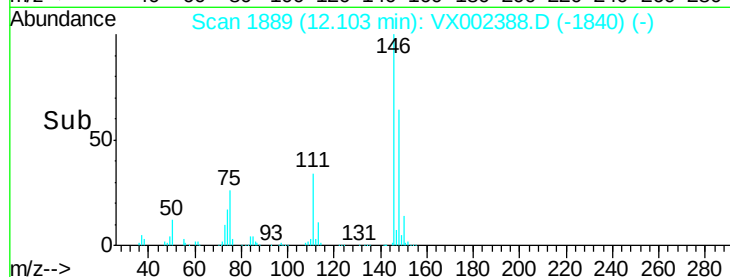
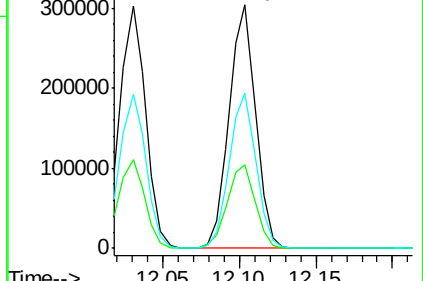
148 64.2 32.4 97.0



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: 52.96 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

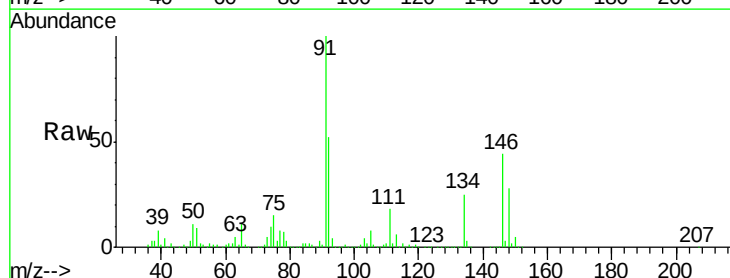
Tgt Ion: 91 Resp: 578114

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

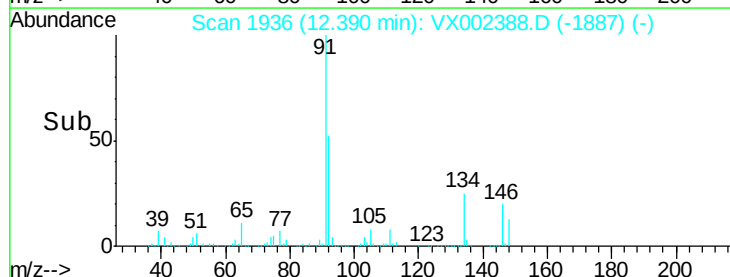
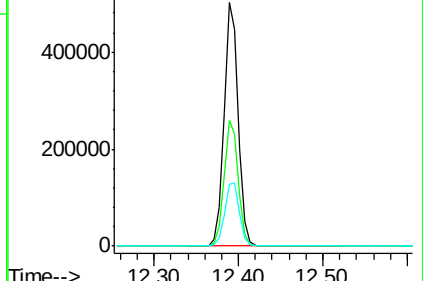
134 27.1 13.5 40.5

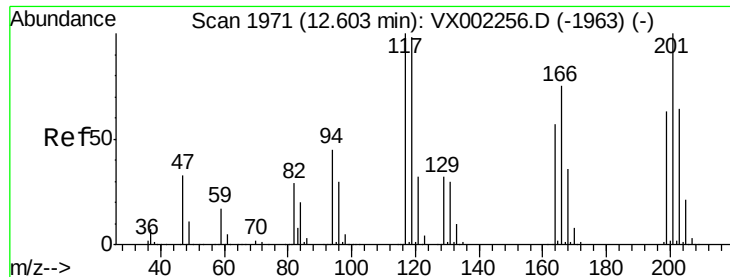


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 47.21 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

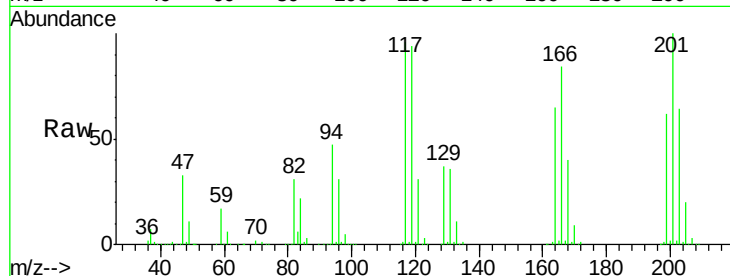
LF5-0064MS

Tot Ion:117 Resp: 98086

Ion Ratio Lower Upper

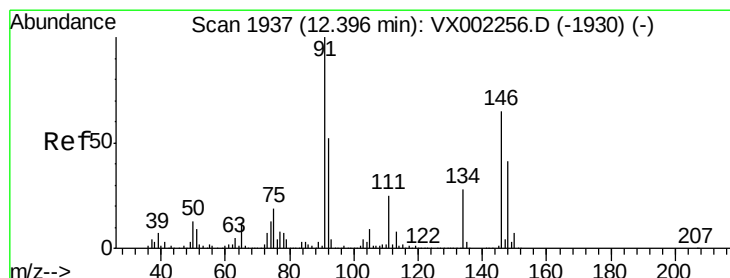
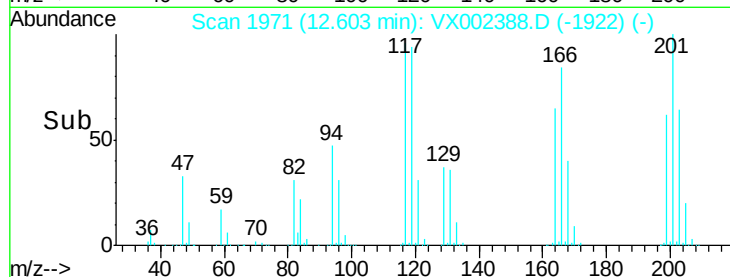
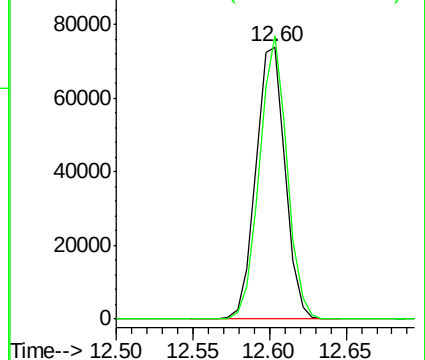
117 100

201 98.2 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.02 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

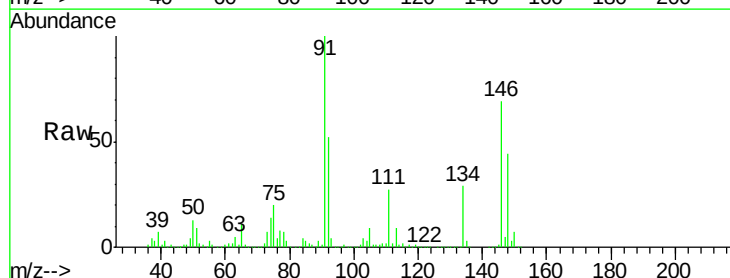
Tgt Ion:146 Resp: 371539

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

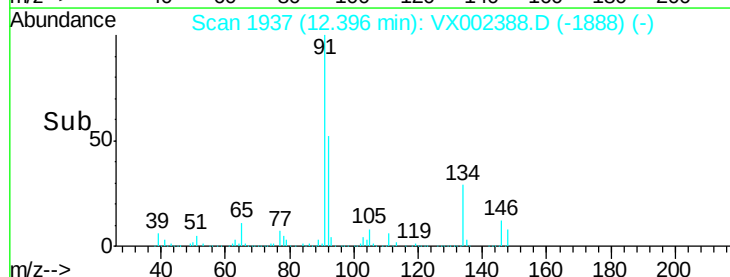
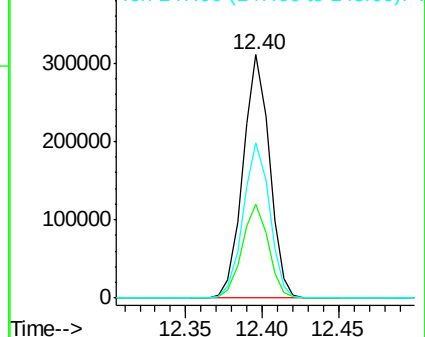
148 63.8 31.7 95.1

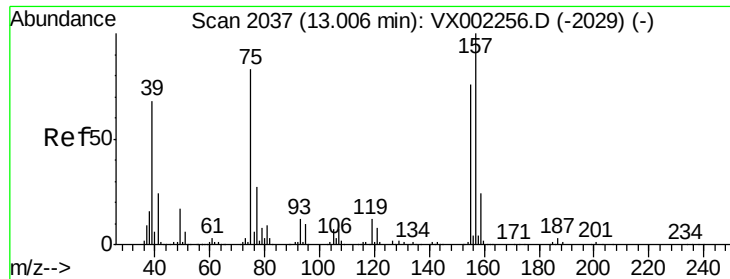


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

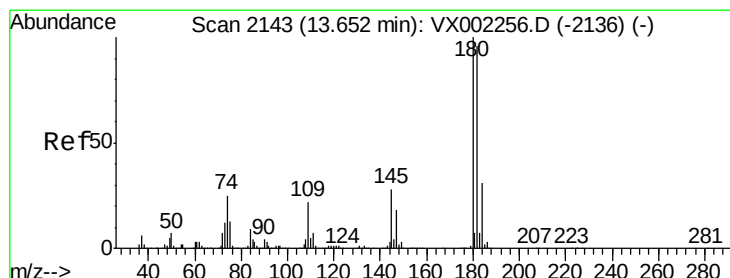
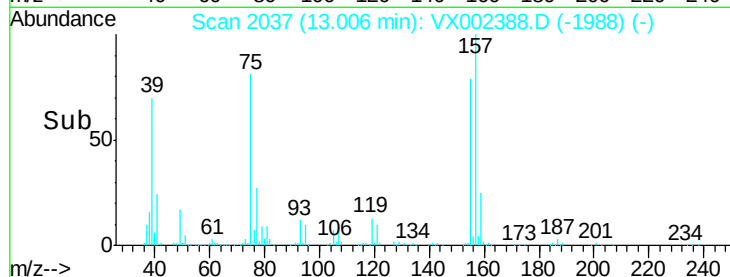
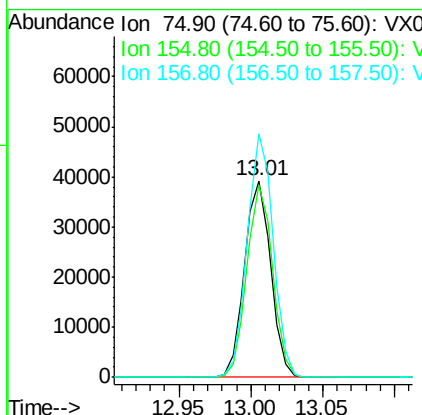
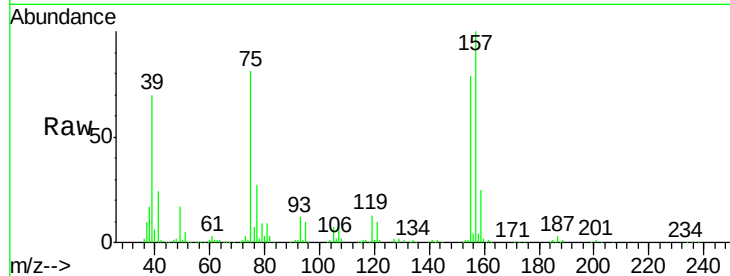




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.41 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

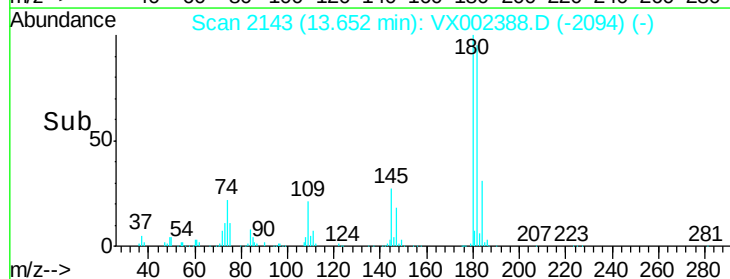
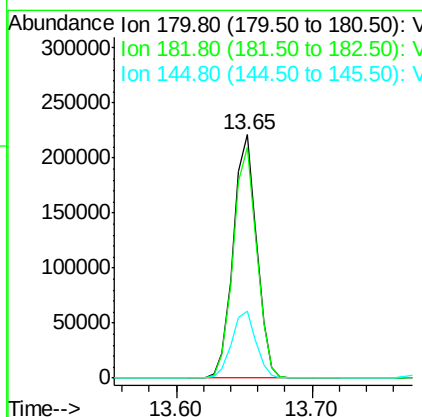
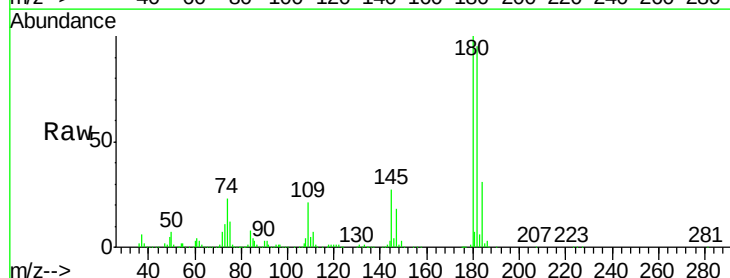
Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

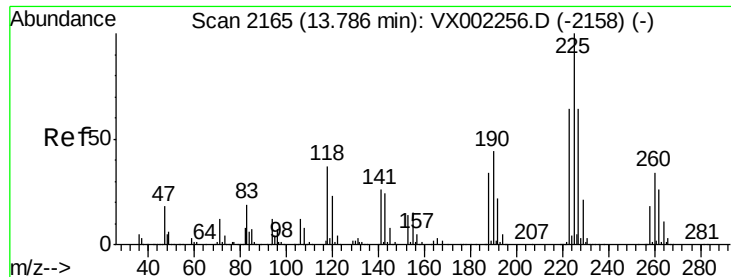
Tot Ion: 75 Resp: 49589
 Ion Ratio Lower Upper
 75 100
 155 95.2 45.8 137.4
 157 121.7 60.1 180.3



#93
 1,2,4-Trichlorobenzene
 Concen: 49.90 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Tgt Ion: 180 Resp: 265190
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.7 143.1
 145 28.2 14.1 42.4





#94

Hexachlorobutadiene

Concen: 53.36 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

LF5-0064MS

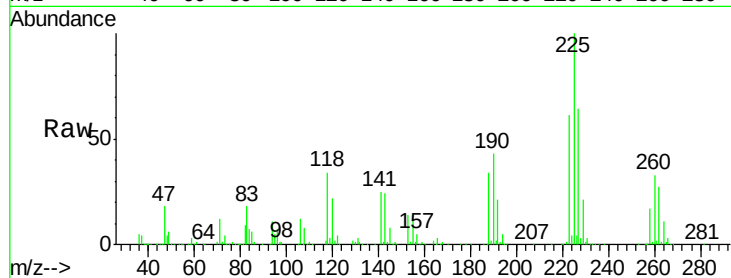
Tot Ion:225 Resp: 140123

Ion Ratio Lower Upper

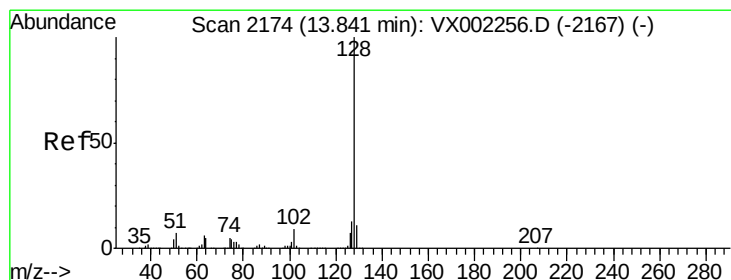
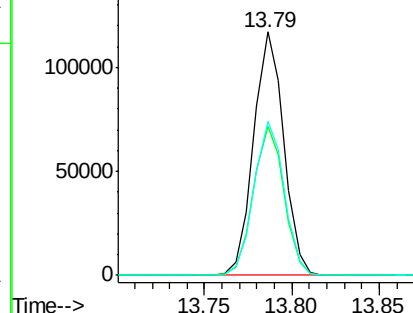
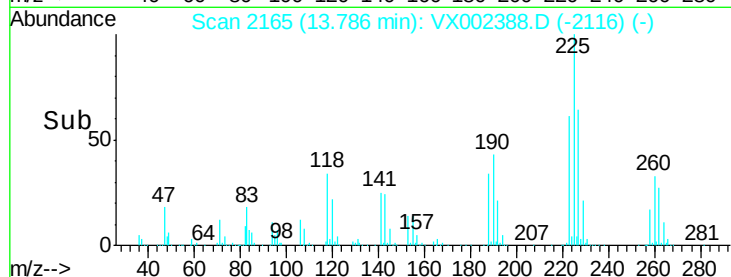
225 100

223 62.2 31.6 95.0

227 63.5 32.4 97.2



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



#95

Naphthalene

Concen: 51.22 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002388.D

Acq: 07 Jun 2018 19:53

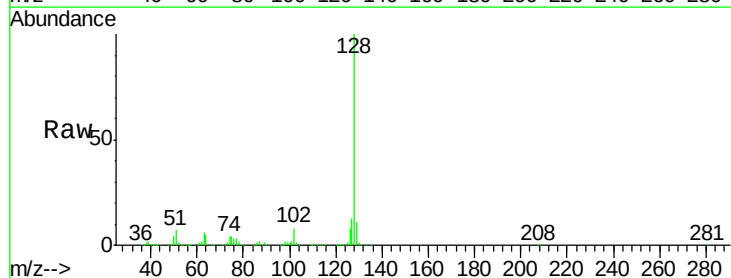
Tgt Ion:128 Resp: 782060

Ion Ratio Lower Upper

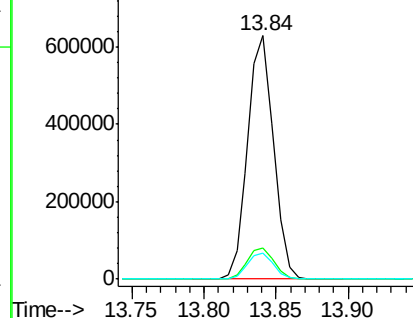
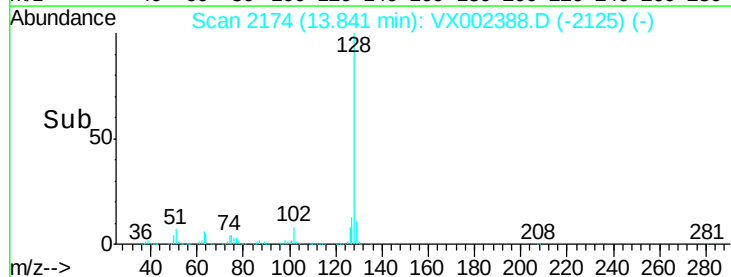
128 100

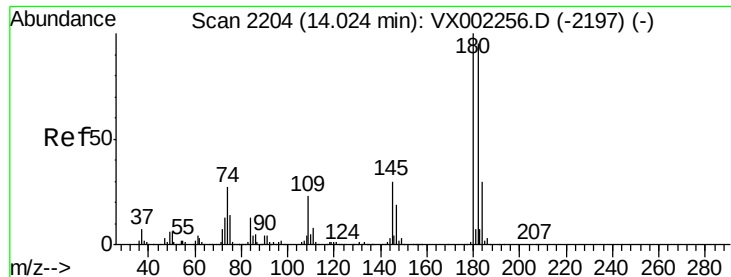
127 13.1 10.4 15.6

129 10.8 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

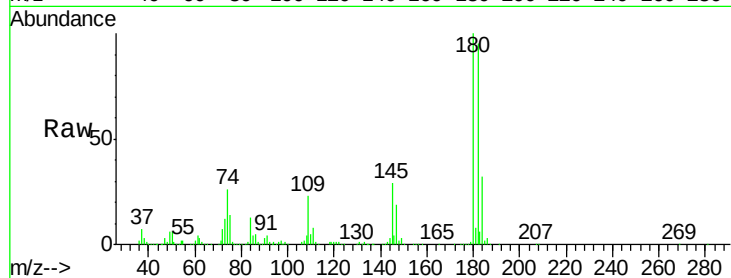




#96
 1,2,3-Trichlorobenzene
 Concen: 50.28 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002388.D
 Acq: 07 Jun 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LF5-0064MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.0
145	29.3	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

