

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005413.D
 Acq On : 18 Oct 2018 02:00
 Operator : JC/MD
 Sample : J5569-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Quant Time: Oct 18 11:08:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	134278	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
35) Dibromofluoromethane	5.50	113	111782	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
50) Toluene-d8	8.71	98	419210	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.14	95	159505	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	96317	48.773	ug/l	99
3) Chloromethane	1.32	50	131846	46.076	ug/l	99
4) Vinyl Chloride	1.40	62	136792	47.190	ug/l	98
5) Bromomethane	1.64	94	83961	51.270	ug/l	97
6) Chloroethane	1.71	64	86729	50.725	ug/l	97
7) Trichlorofluoromethane	1.92	101	192198	49.685	ug/l	95
8) Diethyl Ether	2.19	74	81886	49.571	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	112964	50.595	ug/l	96
10) Methyl Iodide	2.51	142	139973	56.819	ug/l	100
11) Tert butyl alcohol	3.07	59	193460	244.658	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108145	48.887	ug/l	97
13) Acrolein	2.29	56	83571	164.886	ug/l	96
14) Allyl chloride	2.73	41	240412	49.500	ug/l	95
15) Acrylonitrile	3.15	53	433897	242.147	ug/l	98
16) Acetone	2.45	43	377479	232.901	ug/l	97
17) Carbon Disulfide	2.57	76	300784	44.885	ug/l	99
18) Methyl Acetate	2.78	43	229598	49.793	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	409839	52.604	ug/l	98
20) Methylene Chloride	2.85	84	126596	53.703	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	117205	47.809	ug/l	98
22) Diisopropyl ether	3.87	45	396363	48.588	ug/l	93
23) Vinyl Acetate	3.82	43	1681559	235.842	ug/l	97
24) 1,1-Dichloroethane	3.70	63	235062	50.278	ug/l	99
25) 2-Butanone	4.70	43	553822	233.544	ug/l	94
26) 2,2-Dichloropropane	4.58	77	134716	38.528	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	127373	47.808	ug/l	98
28) Bromochloromethane	5.01	49	104160	48.872	ug/l	97
29) Tetrahydrofuran	5.15	42	359190	237.459	ug/l	94
30) Chloroform	5.21	83	214058	49.328	ug/l	98
31) Cyclohexane	5.57	56	186304	48.349	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	186647	49.432	ug/l	99
36) 1,1-Dichloropropene	5.80	75	154605	43.843	ug/l	99
37) Ethyl Acetate	4.85	43	201344	44.398	ug/l	98
38) Carbon Tetrachloride	5.78	117	166829	47.084	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005413.D
 Acq On : 18 Oct 2018 02:00
 Operator : JC/MD
 Sample : J5569-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Quant Time: Oct 18 11:08:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179265	46.971	ug/l	97
40) Benzene	6.14	78	478270	45.212	ug/l	100
41) Methacrylonitrile	5.06	41	112884	46.431	ug/l	97
42) 1,2-Dichloroethane	6.20	62	175786	47.062	ug/l	98
43) Isopropyl Acetate	6.46	43	309927	51.304	ug/l	97
44) Trichloroethene	7.21	130	131232	48.569	ug/l	96
45) 1,2-Dichloropropane	7.52	63	130043	50.116	ug/l	100
46) Dibromomethane	7.66	93	82701	48.289	ug/l	98
47) Bromodichloromethane	7.90	83	161876	51.100	ug/l	99
48) Methyl methacrylate	7.77	41	159575	50.931	ug/l	95
49) 1,4-Dioxane	7.75	88	64296	889.716	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1074086	256.782	ug/l	96
52) Toluene	8.79	92	301367	52.074	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	176255	51.412	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186936	50.324	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	125850	51.341	ug/l	96
56) Ethyl methacrylate	9.18	69	197988	55.406	ug/l	97
57) 1,3-Dichloropropane	9.37	76	209930	51.311	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.27	63	1749	0.873	ug/l #	45
59) 2-Hexanone	9.50	43	841666	250.145	ug/l	95
60) Dibromochloromethane	9.59	129	136337	53.808	ug/l	100
61) 1,2-Dibromoethane	9.67	107	130997	50.922	ug/l	99
64) Tetrachloroethene	9.34	164	128689	46.487	ug/l	99
65) Chlorobenzene	10.14	112	346314	47.347	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	128346	49.240	ug/l	98
67) Ethyl Benzene	10.25	91	585025	49.200	ug/l	98
68) m/p-Xylenes	10.36	106	456792	98.975	ug/l	96
69) o-Xylene	10.70	106	221013	49.654	ug/l	97
70) Styrene	10.71	104	370169	50.562	ug/l	97
71) Bromoform	10.86	173	115333	49.514	ug/l	99
73) Isopropylbenzene	11.02	105	600483	51.990	ug/l	100
74) N-amyl acetate	10.90	43	275727	49.495	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	208847	47.934	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	239209	63.473	ug/l	87
77) Bromobenzene	11.26	156	164277	49.744	ug/l	99
78) n-propylbenzene	11.36	91	685615	51.585	ug/l	100
79) 2-Chlorotoluene	11.42	91	410104	50.382	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	515505	52.120	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	56450	45.513	ug/l	97
82) 4-Chlorotoluene	11.51	91	488416	50.617	ug/l	99
83) tert-Butylbenzene	11.77	119	522500	52.167	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	528053	51.879	ug/l	98
85) sec-Butylbenzene	11.94	105	612337	51.661	ug/l	99
86) p-Isopropyltoluene	12.07	119	562627	52.517	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	303761	49.224	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	307017	48.633	ug/l	99
89) n-Butylbenzene	12.39	91	486070	49.970	ug/l	98
90) Hexachloroethane	12.60	117	91397	49.502	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	308353	48.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50253	47.284	ug/l	99

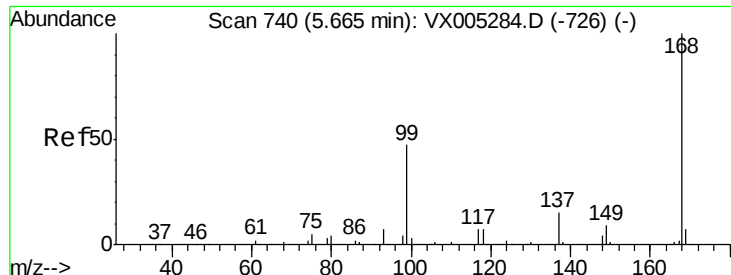
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101718\
Data File : VX005413.D
Acq On : 18 Oct 2018 02:00
Operator : JC/MD
Sample : J5569-10MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Quant Time: Oct 18 11:08:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	237830	51.476	ug/l	99
94) Hexachlorobutadiene	13.79	225	117424	48.122	ug/l	98
95) Naphthalene	13.83	128	720422	53.766	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	242669	51.333	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

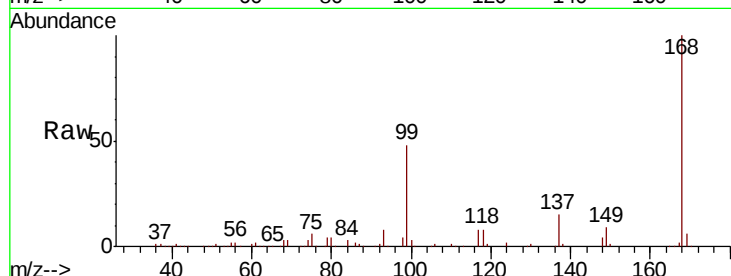
RLF-SW-5MS

Tot Ion:168 Resp: 252575

Ion Ratio Lower Upper

168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

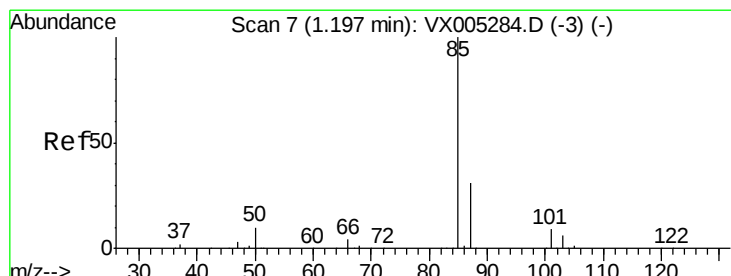
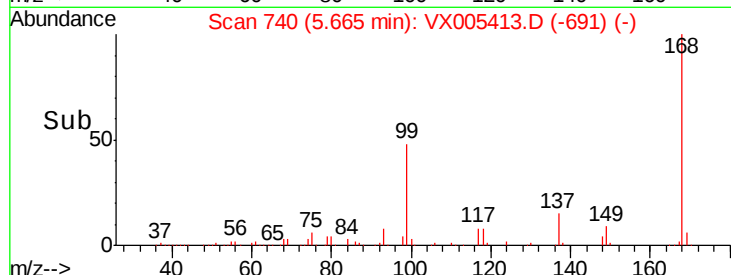
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.773 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005413.D

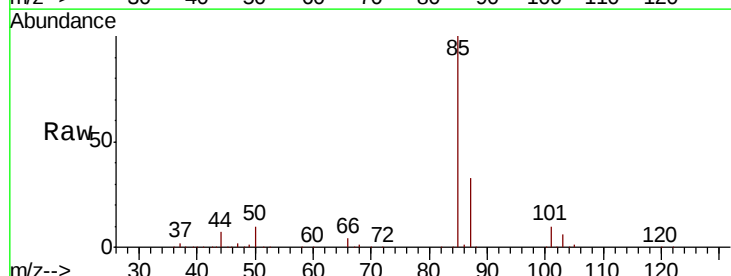
Acq: 18 Oct 2018 02:00

Tgt Ion: 85 Resp: 96317

Ion Ratio Lower Upper

85 100

87 33.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

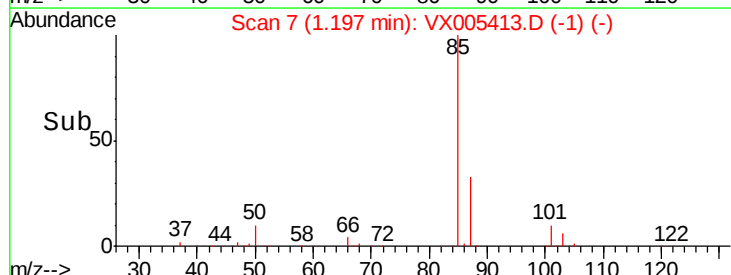
40000

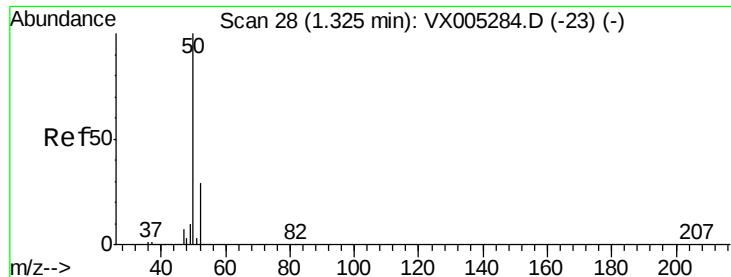
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.076 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

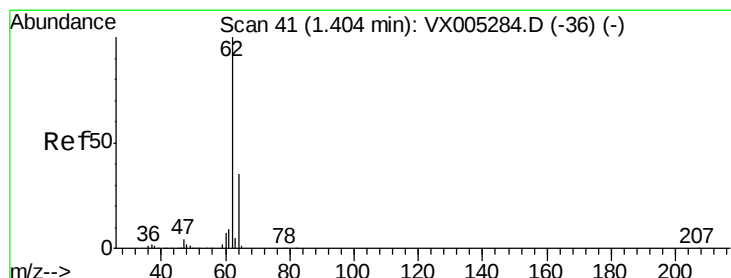
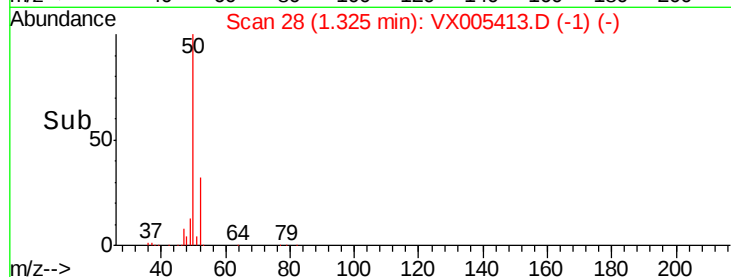
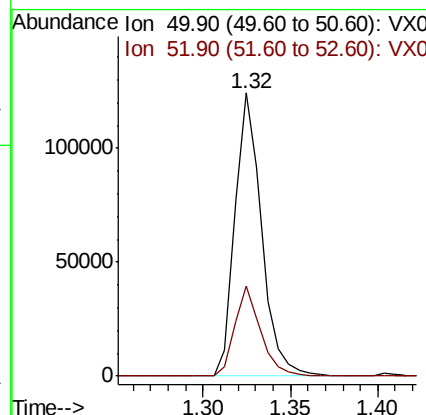
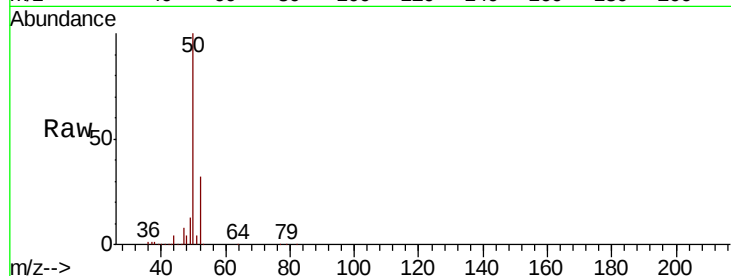
RLF-SW-5MS

Tot Ion: 50 Resp: 131846

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.2



#4

Vinyl Chloride

Concen: 47.190 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005413.D

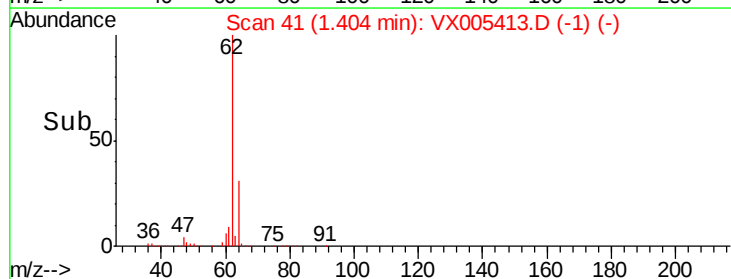
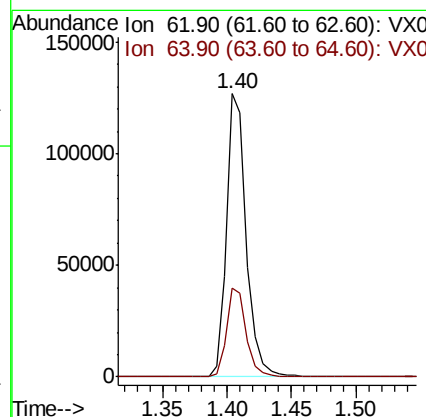
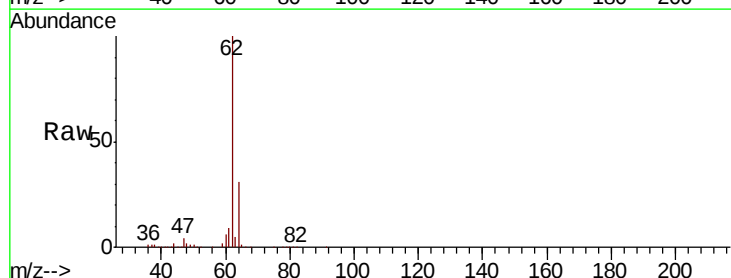
Acq: 18 Oct 2018 02:00

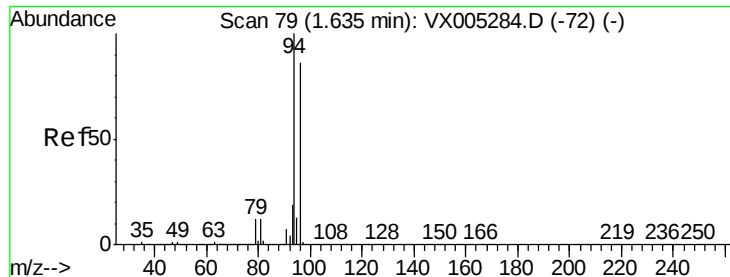
Tgt Ion: 62 Resp: 136792

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 51.270 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

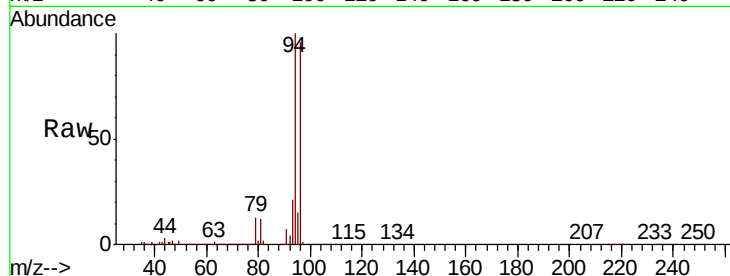
RLF-SW-5MS

Tot Ion: 94 Resp: 83961

Ion Ratio Lower Upper

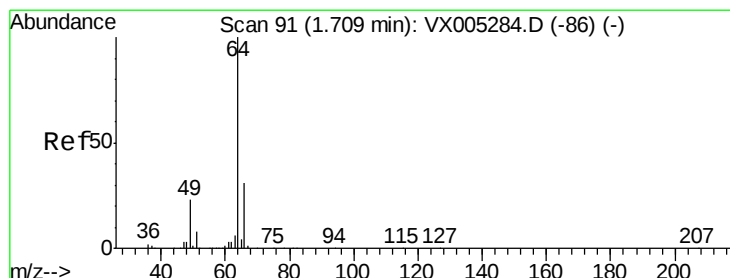
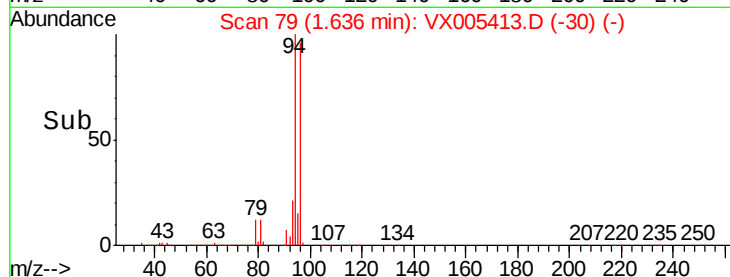
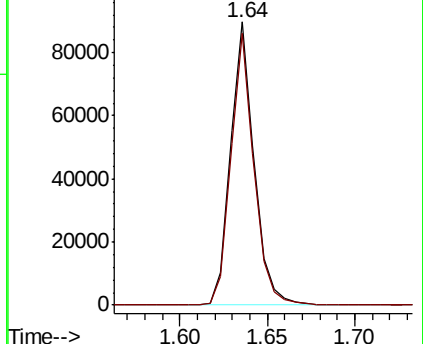
94 100

96 96.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.725 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005413.D

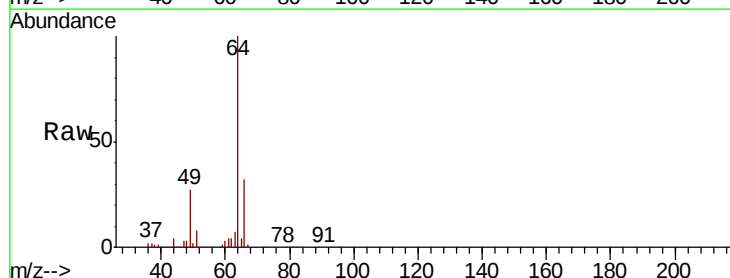
Acq: 18 Oct 2018 02:00

Tgt Ion: 64 Resp: 86729

Ion Ratio Lower Upper

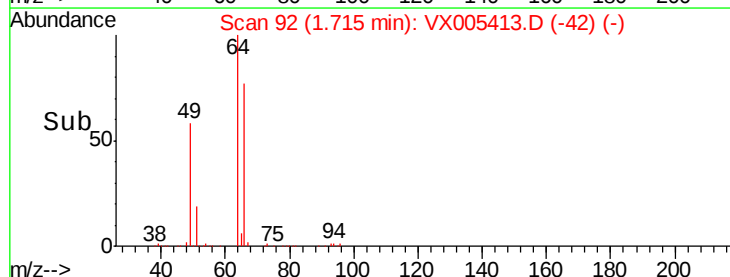
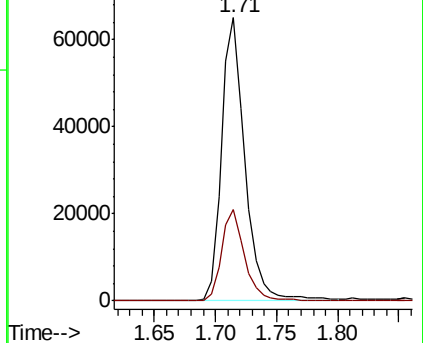
64 100

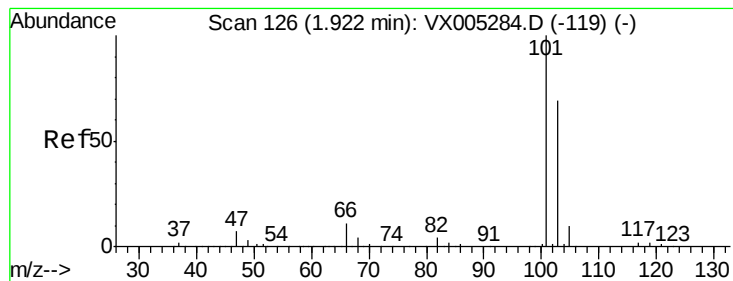
66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 49.685 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

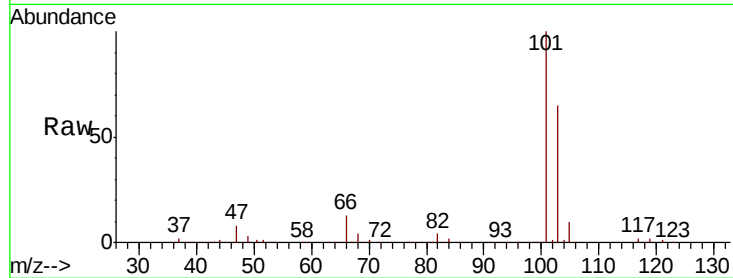
RLF-SW-5MS

Tot Ion:101 Resp: 192198

Ion Ratio Lower Upper

101 100

103 64.8 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

150000

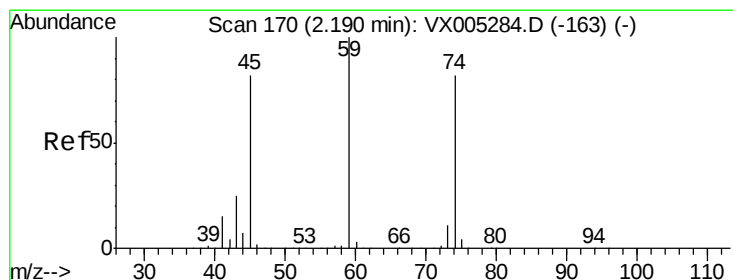
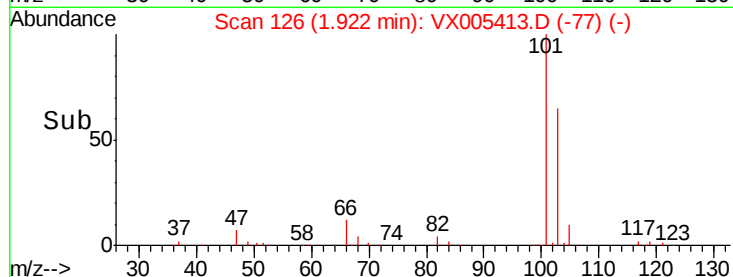
100000

50000

0

1.90 2.00

Time-->



#8

Diethyl Ether

Concen: 49.571 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX005413.D

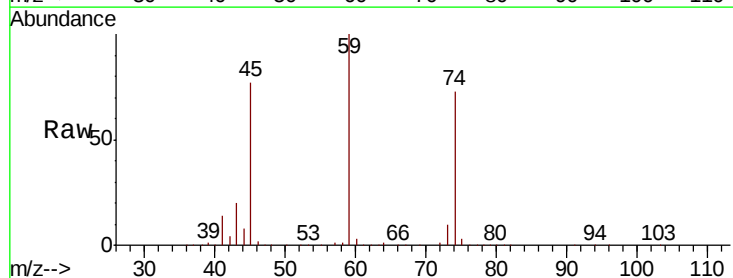
Acq: 18 Oct 2018 02:00

Tgt Ion: 74 Resp: 81886

Ion Ratio Lower Upper

74 100

45 107.3 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

60000

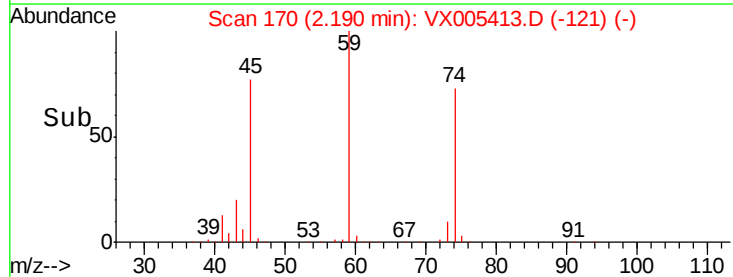
40000

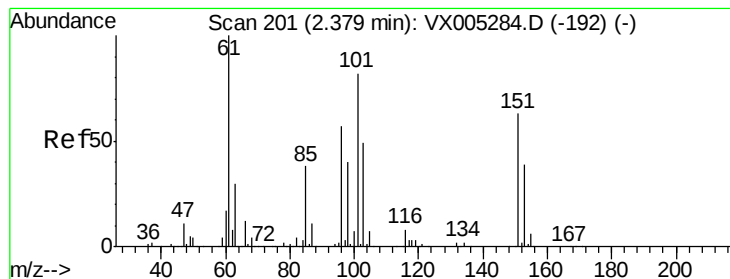
20000

0

2.10 2.20 2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.595 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

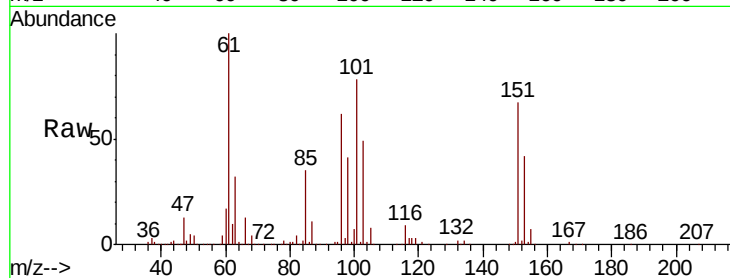
Tot Ion:101 Resp: 112964

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

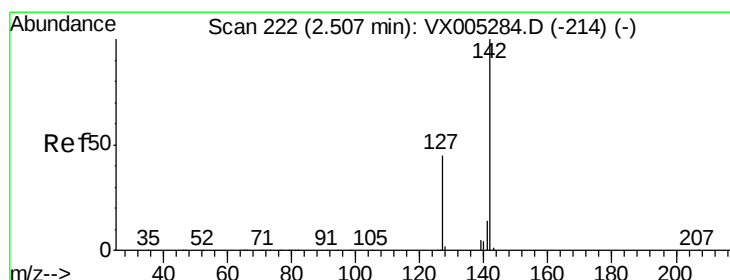
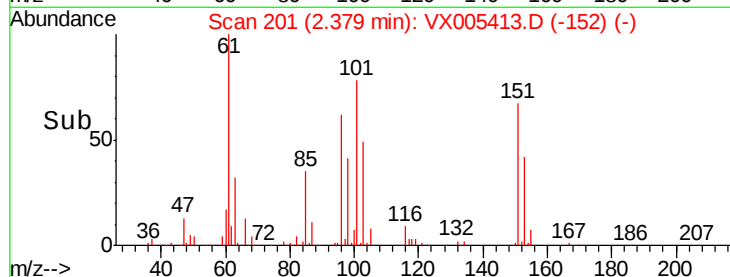
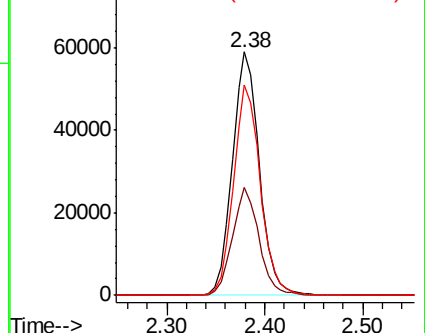
151 86.0 65.0 97.6



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: 56.819 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

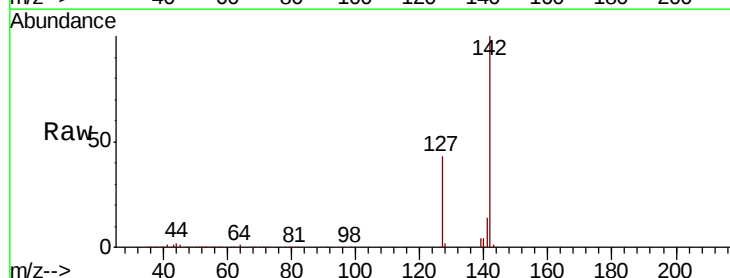
Tgt Ion:142 Resp: 139973

Ion Ratio Lower Upper

142 100

127 42.0 33.8 50.6

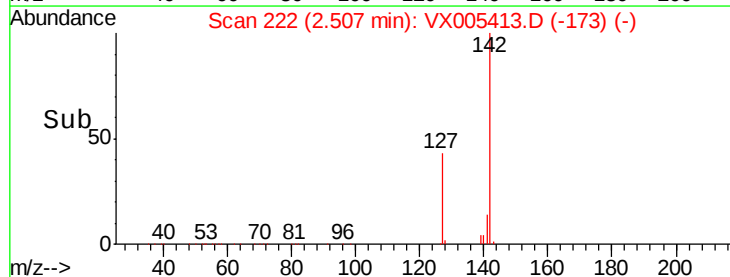
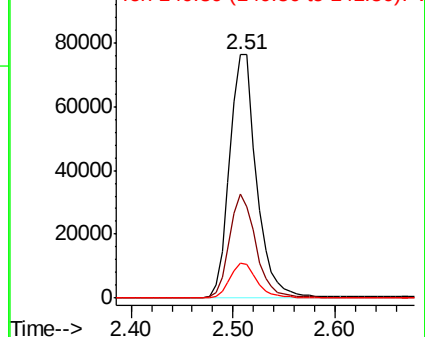
141 14.3 11.4 17.0

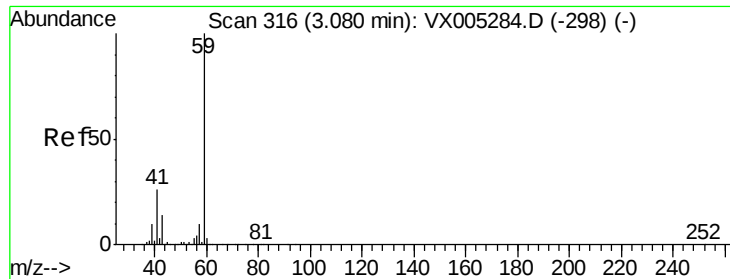


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



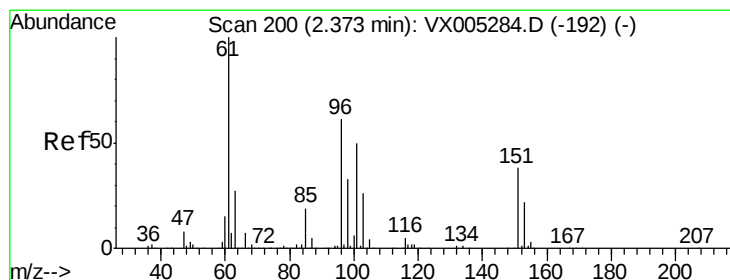
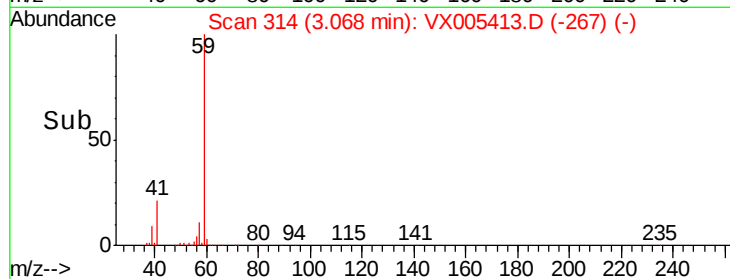
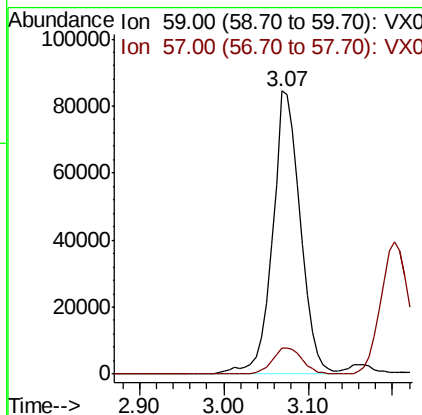
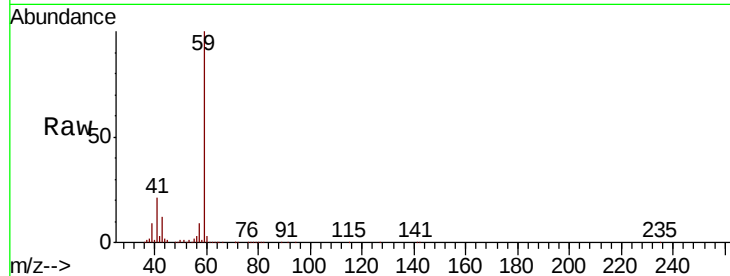


#11

Tert butyl alcohol
 Concen: 244.658 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

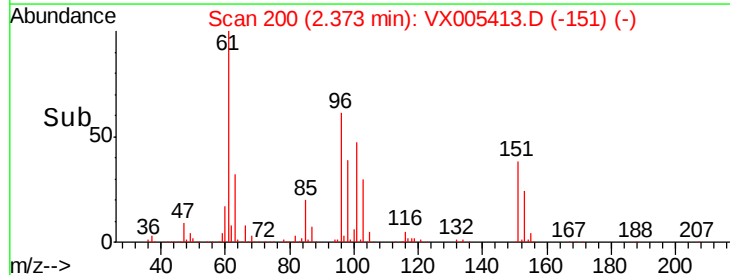
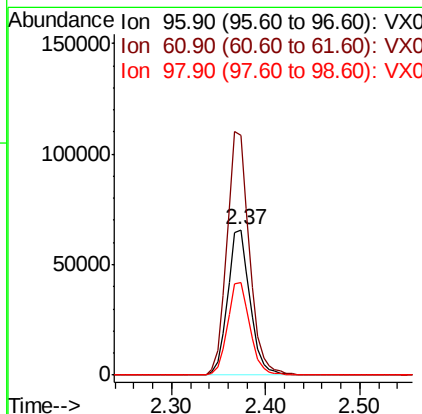
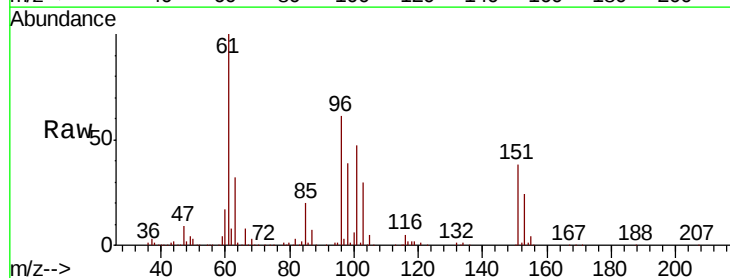
Tot Ion: 59 Resp: 193460
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

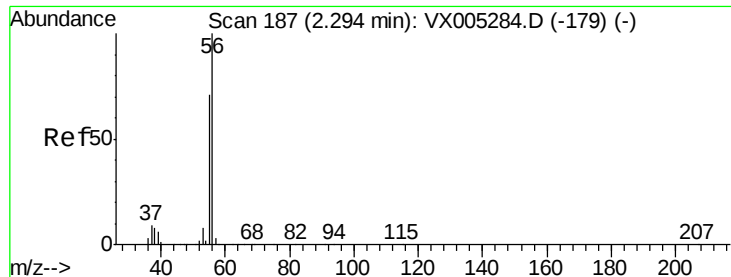


#12

1,1-Dichloroethene
 Concen: 48.887 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 96 Resp: 108145
 Ion Ratio Lower Upper
 96 100
 61 165.1 128.8 193.2
 98 63.9 52.2 78.2





#13

Acrolein

Concen: 164.886 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

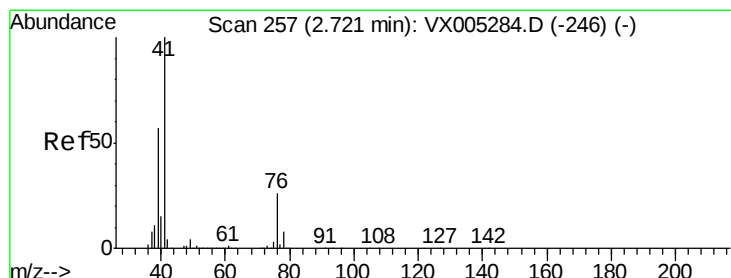
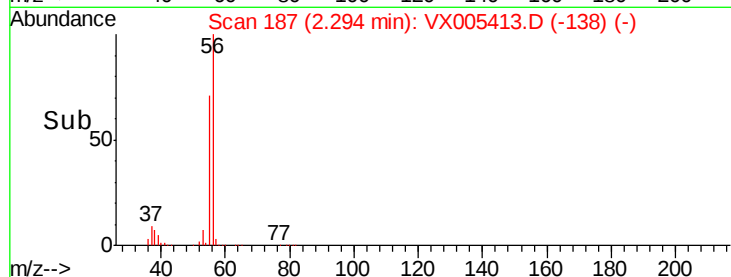
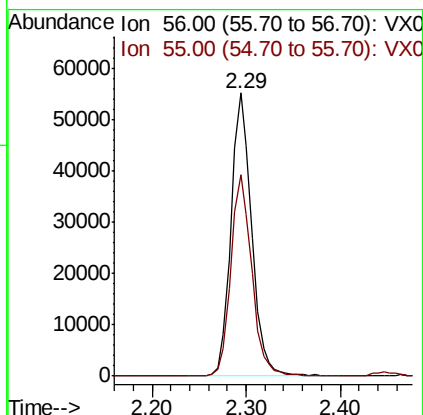
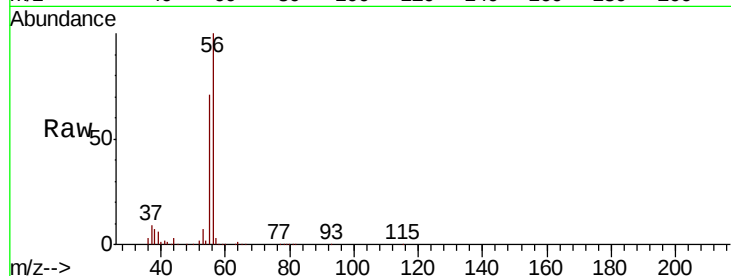
RLF-SW-5MS

Tot Ion: 56 Resp: 83571

Ion Ratio Lower Upper

56 100

55 71.9 54.7 82.1



#14

Allyl chloride

Concen: 49.500 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

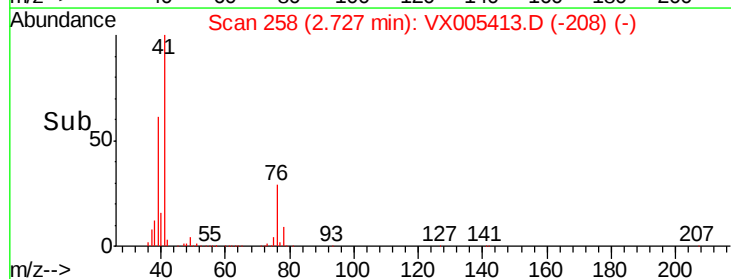
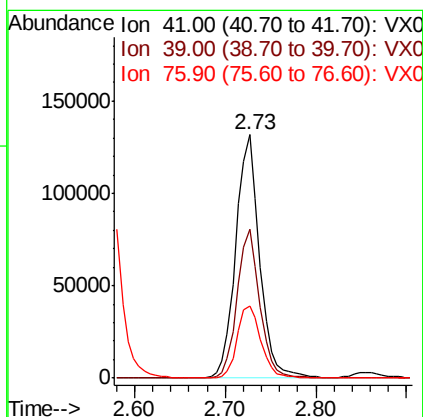
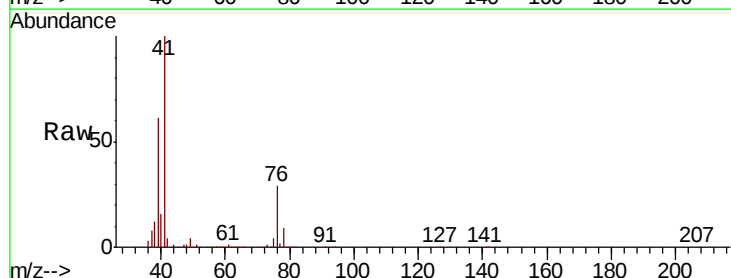
Tgt Ion: 41 Resp: 240412

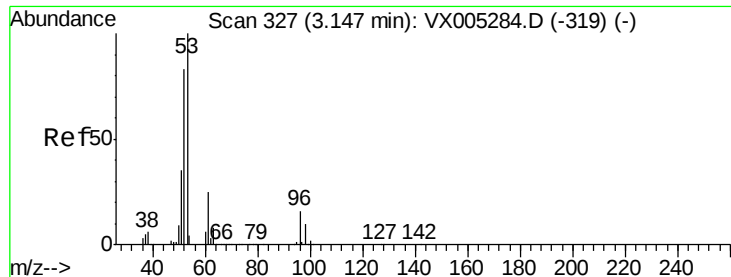
Ion Ratio Lower Upper

41 100

39 57.9 48.9 73.3

76 29.5 26.7 40.1



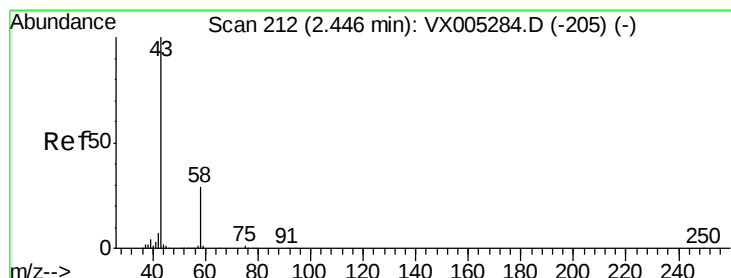
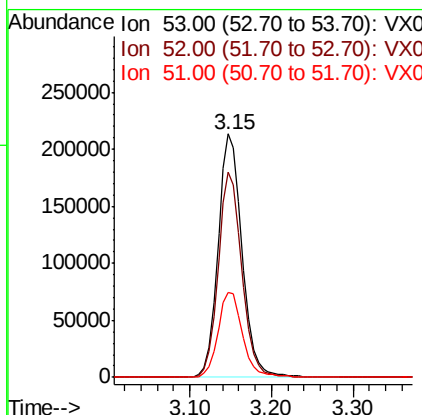
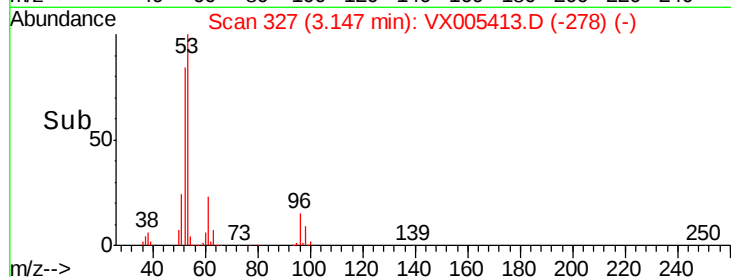
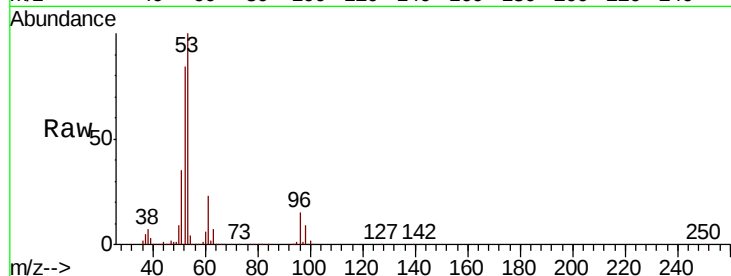


#15
 Acrylonitrile
 Concen: 242.147 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampled :
 RLF-SW-5MS

Tot Ion: 53 Resp: 433897

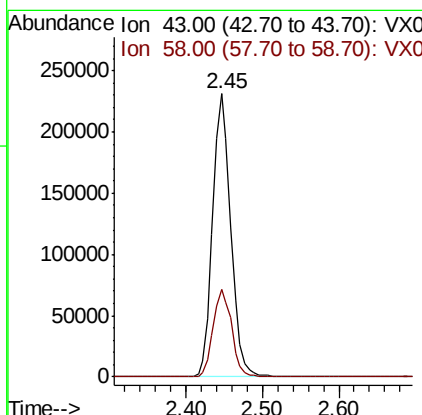
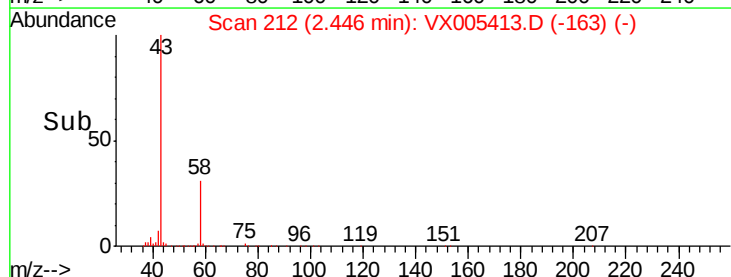
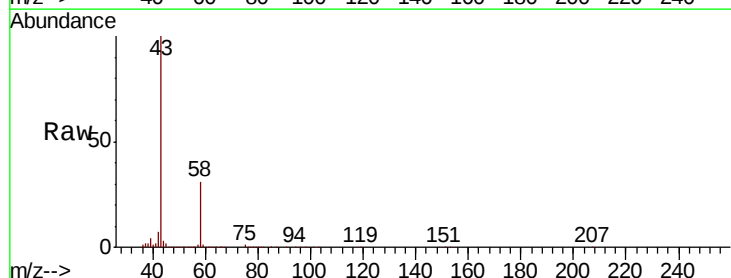
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.2	97.8
51	36.0	28.2	42.2

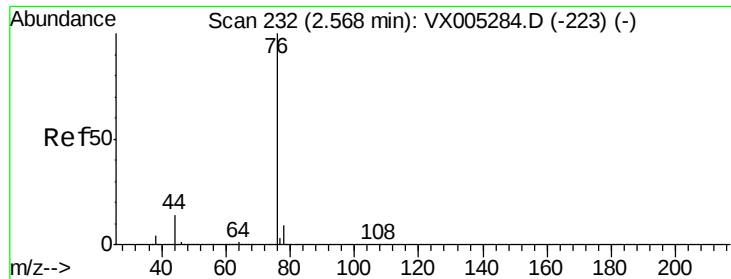


#16
 Acetone
 Concen: 232.901 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 43 Resp: 377479

Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.2	39.4





#17

Carbon Disulfide

Concen: 44.885 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

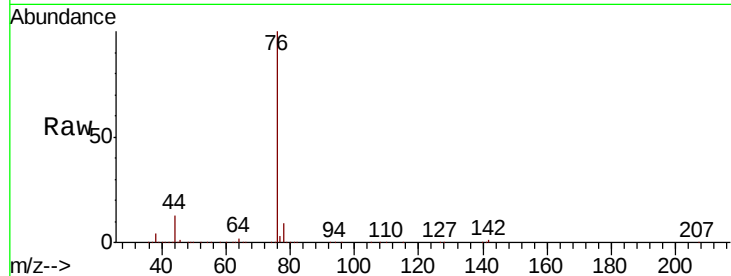
RLF-SW-5MS

Tot Ion: 76 Resp: 300784

Ion Ratio Lower Upper

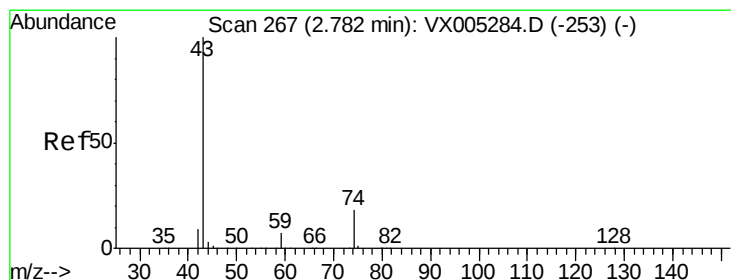
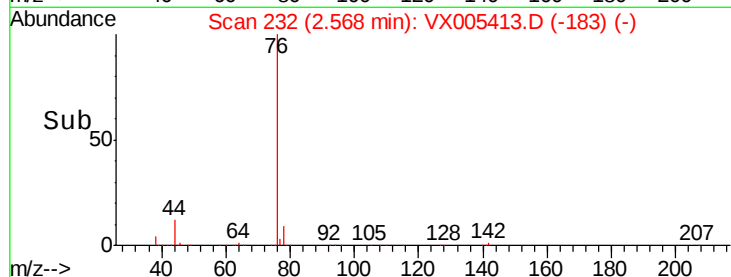
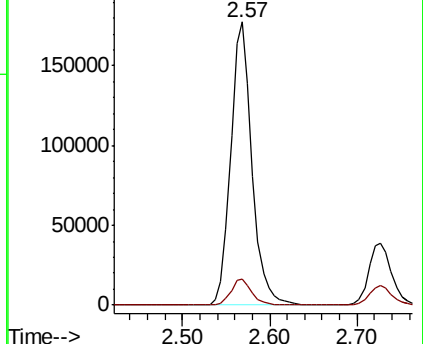
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.793 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005413.D

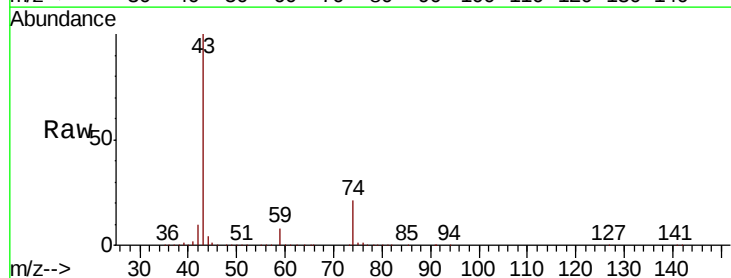
Acq: 18 Oct 2018 02:00

Tgt Ion: 43 Resp: 229598

Ion Ratio Lower Upper

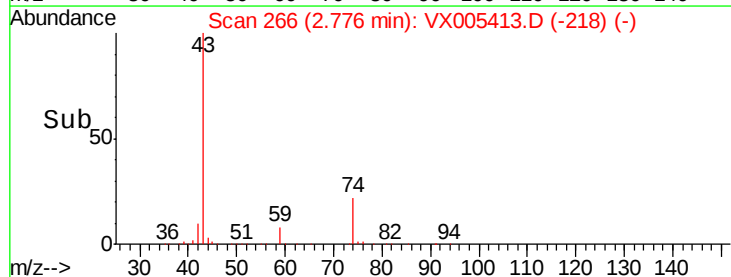
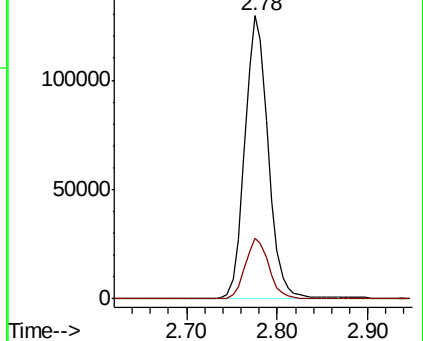
43 100

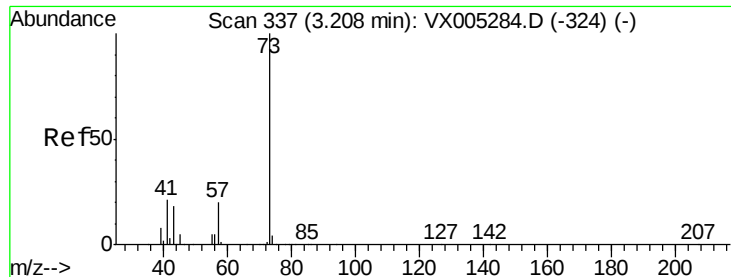
74 21.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



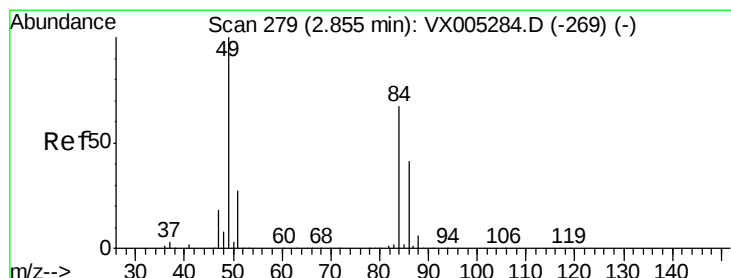
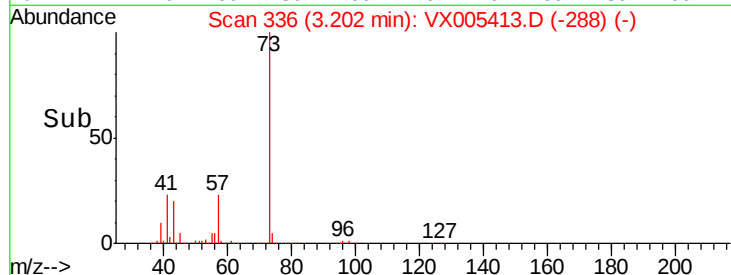
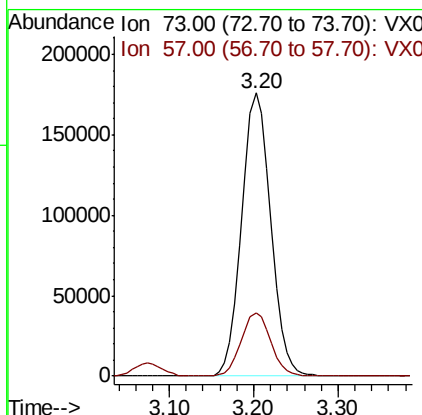
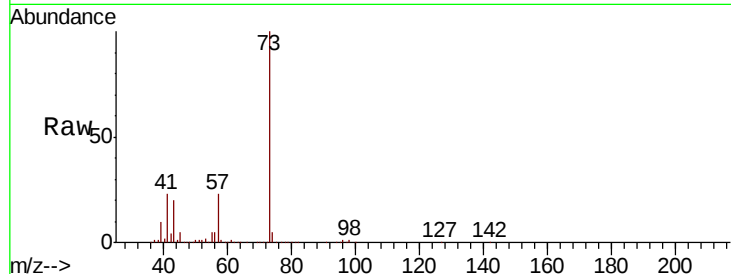


#19

Methyl tert-butyl Ether
 Concen: 52.604 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

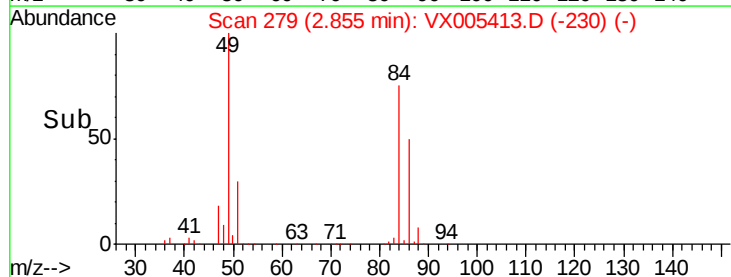
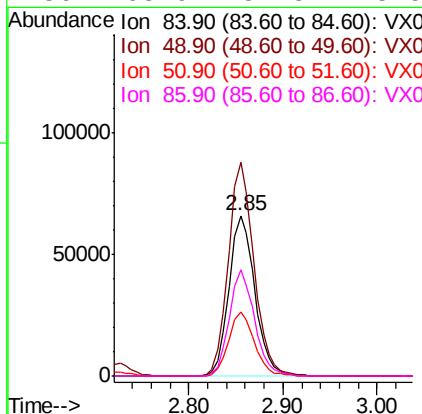
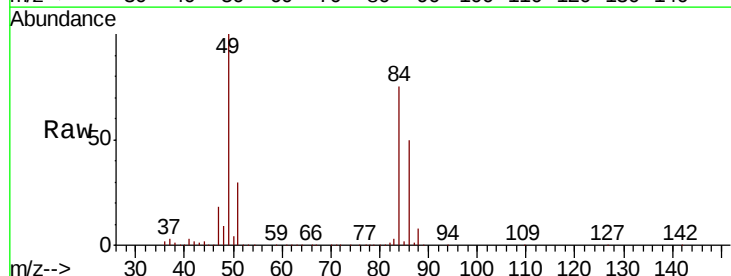
Tot Ion: 73 Resp: 409839
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.1 25.7

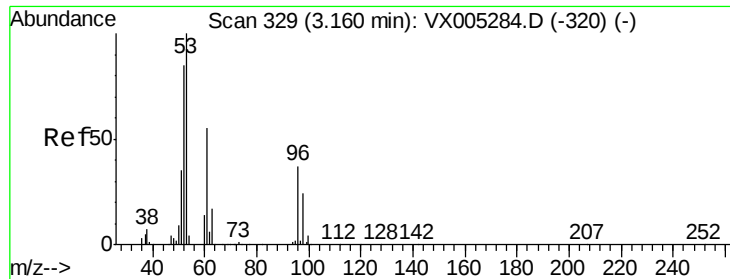


#20

Methylene Chloride
 Concen: 53.703 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 84 Resp: 126596
 Ion Ratio Lower Upper
 84 100
 49 133.0 101.2 151.8
 51 40.1 29.5 44.3
 86 65.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.809 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

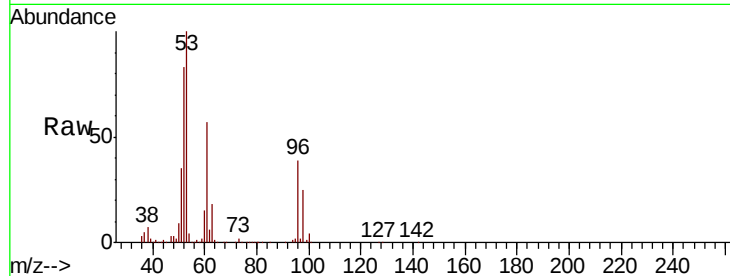
Tot Ion: 96 Resp: 117205

Ion Ratio Lower Upper

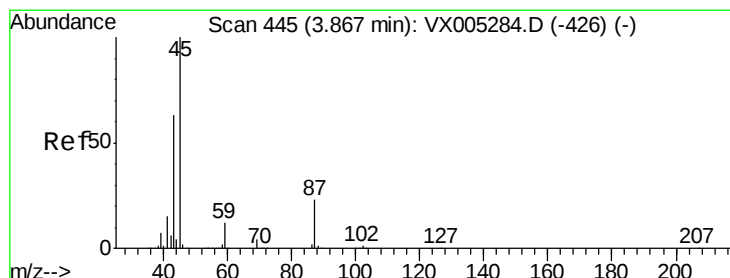
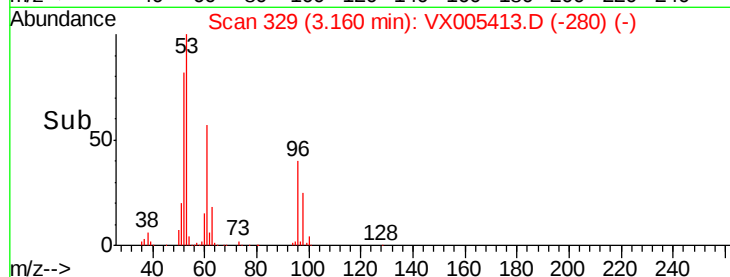
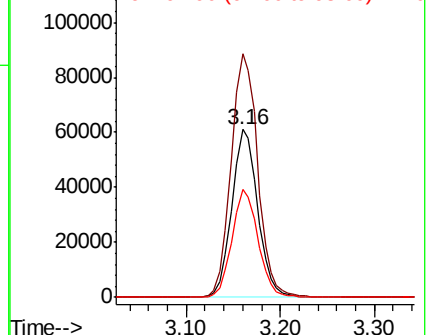
96 100

61 144.9 113.8 170.6

98 64.0 51.8 77.8



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: 48.588 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion: 45 Resp: 396363

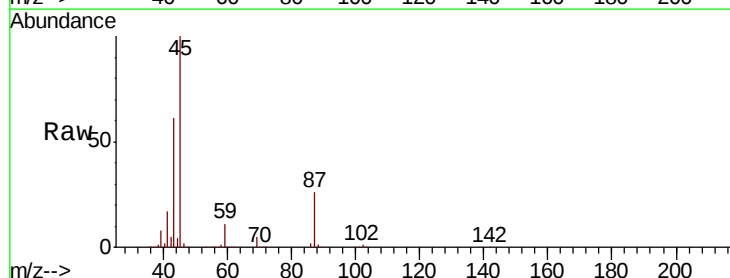
Ion Ratio Lower Upper

45 100

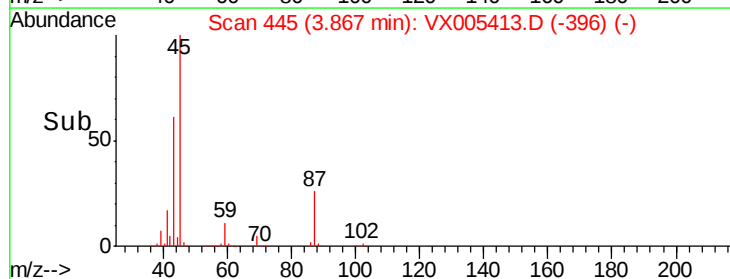
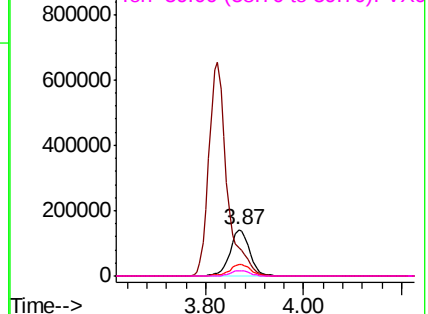
43 60.6 42.8 64.2

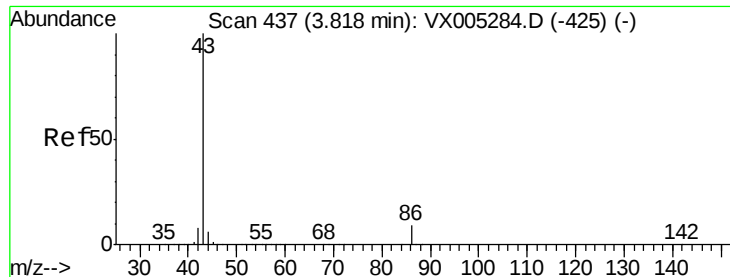
87 26.0 22.6 34.0

59 11.4 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0

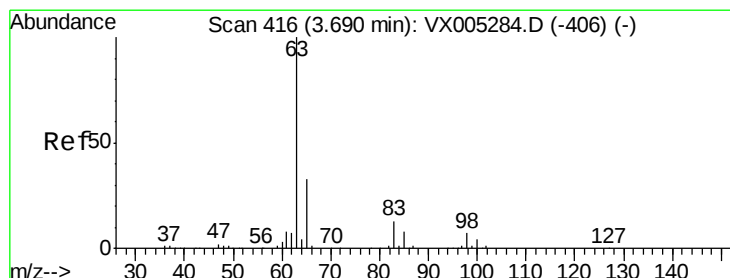
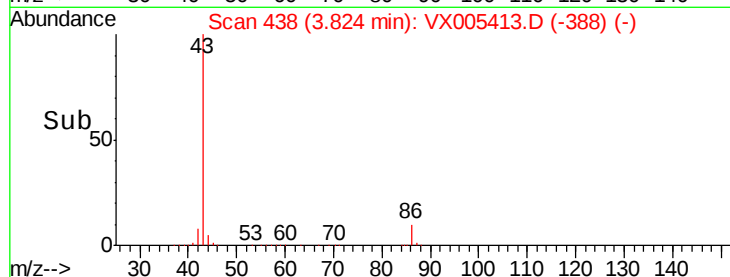
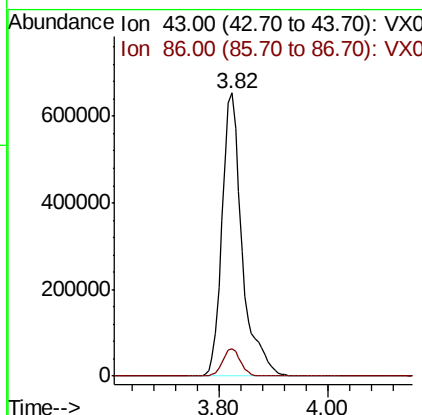
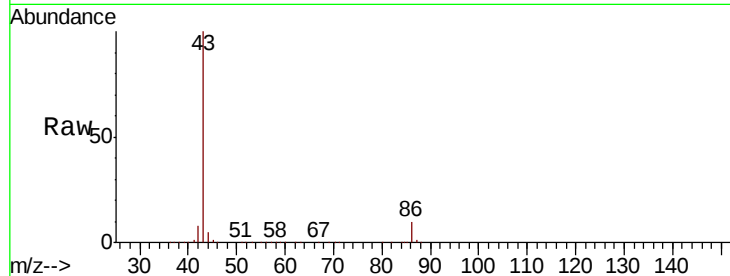




#23
 Vinyl Acetate
 Concen: 235.842 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

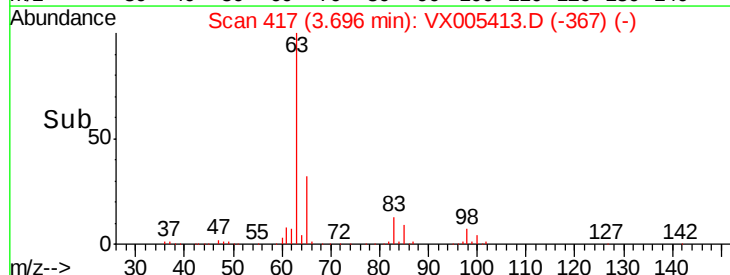
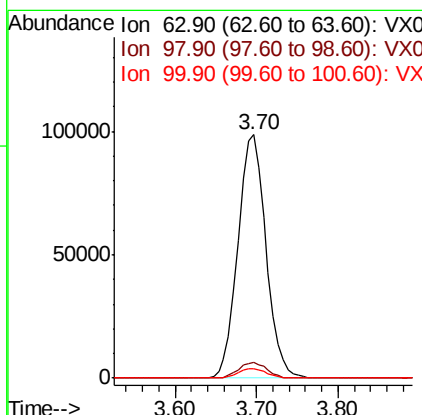
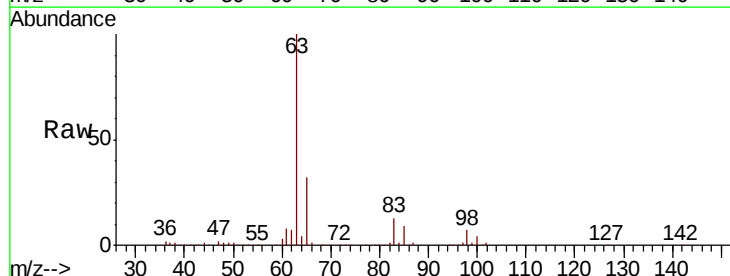
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

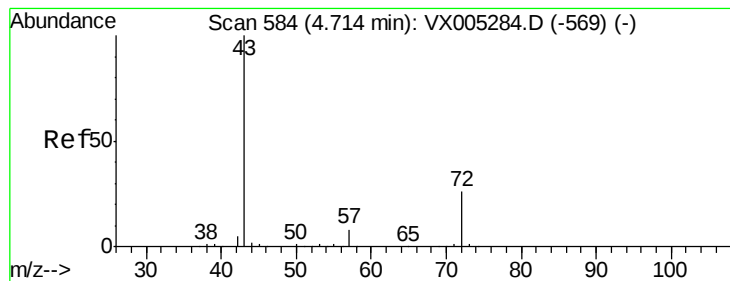
Tot Ion: 43 Resp: 1681559
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 50.278 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 63 Resp: 235062
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 4.1 2.4 7.1





#25

2-Butanone

Concen: 233.544 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

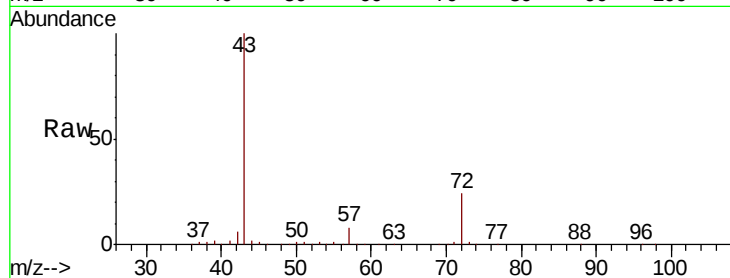
RLF-SW-5MS

Tot Ion: 43 Resp: 553822

Ion Ratio Lower Upper

43 100

72 24.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

200000

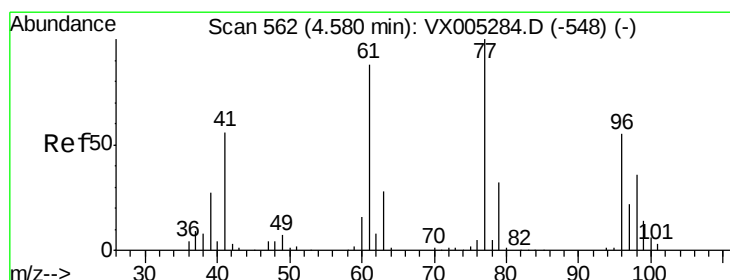
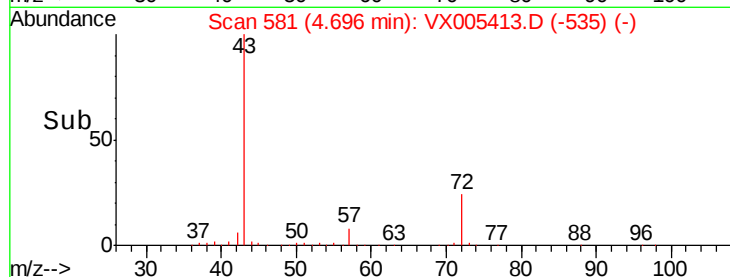
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.528 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005413.D

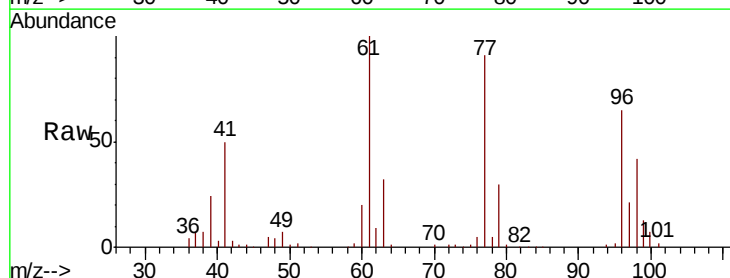
Acq: 18 Oct 2018 02:00

Tgt Ion: 77 Resp: 134716

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

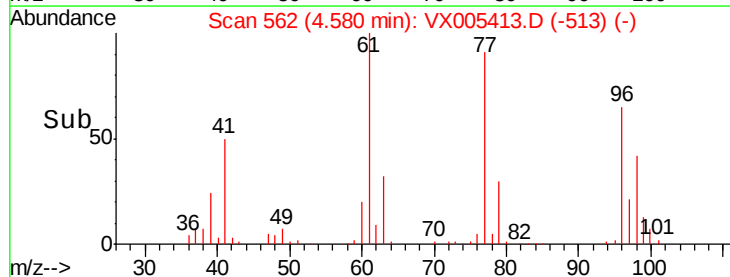
30000

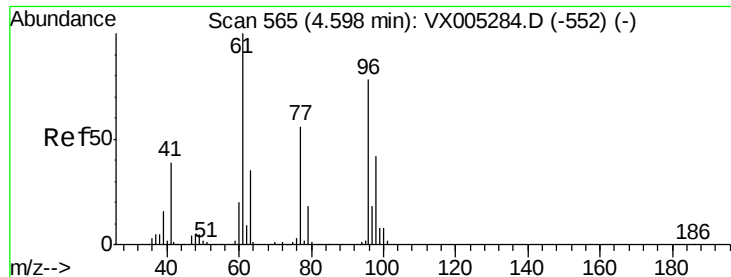
20000

10000

0

Time-->



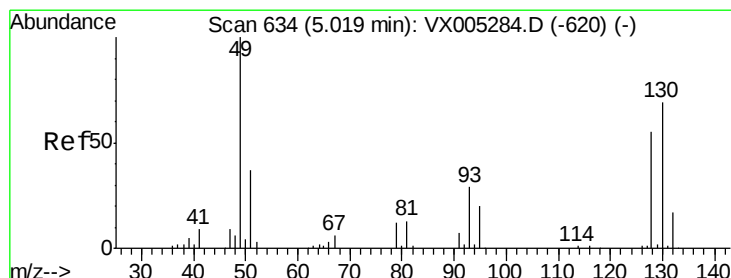
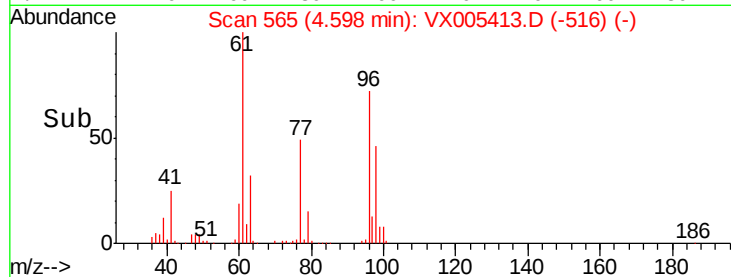
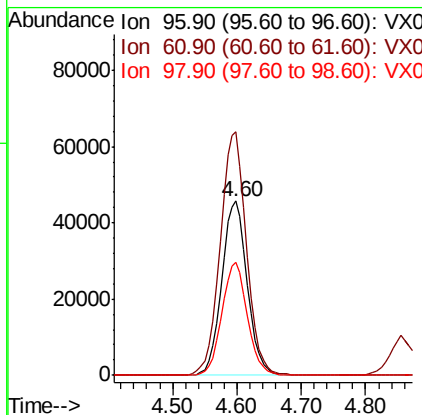
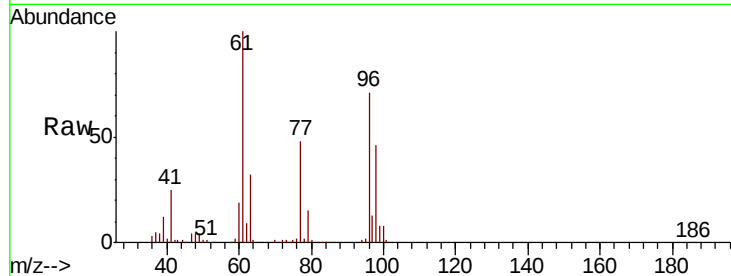


#27

cis-1,2-Dichloroethene
 Concen: 47.808 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

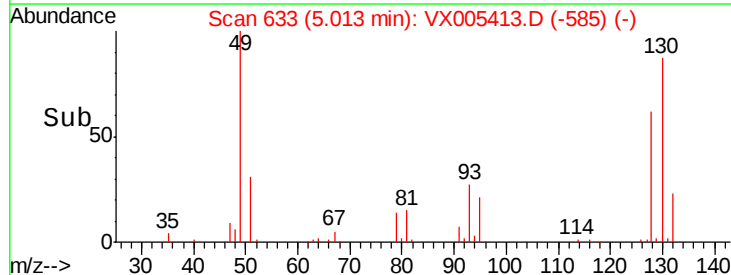
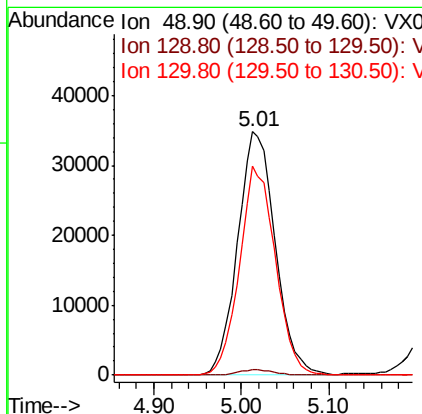
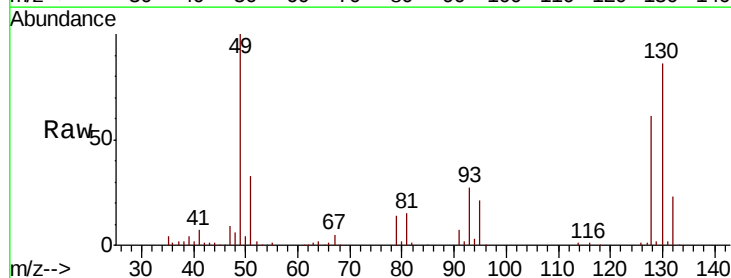
Tot Ion: 96 Resp: 127373
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 282.6
 98 64.7 0.0 130.2

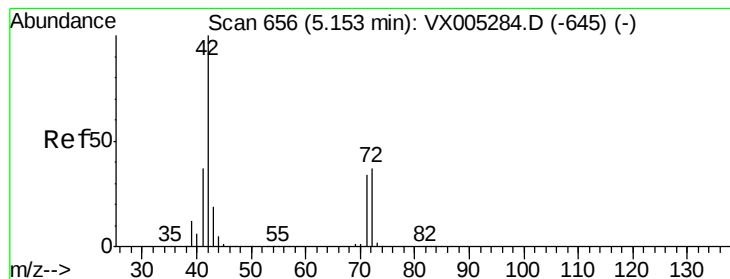


#28

Bromochloromethane
 Concen: 48.872 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 49 Resp: 104160
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.2
 130 81.9 67.5 101.3





#29

Tetrahydrofuran

Concen: 237.459 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

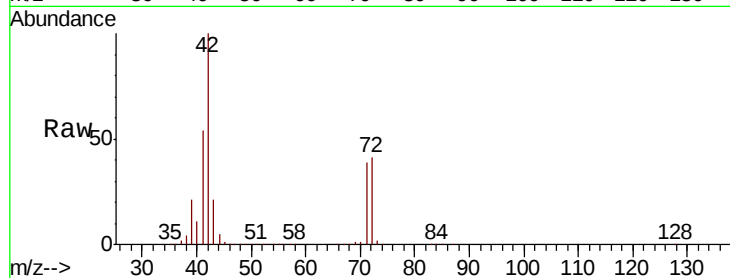
Tot Ion: 42 Resp: 359190

Ion Ratio Lower Upper

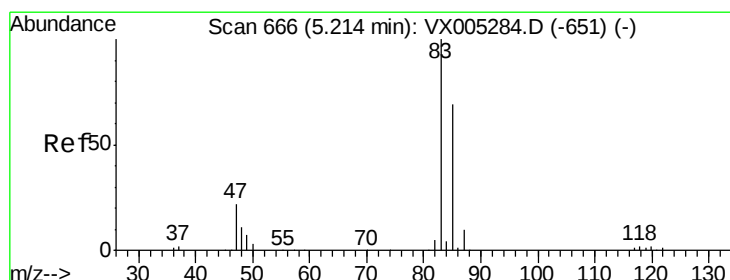
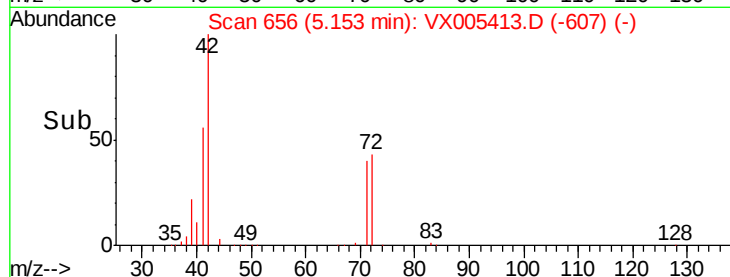
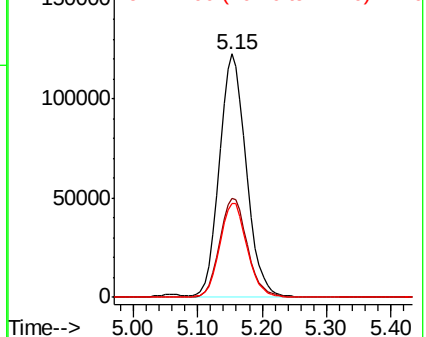
42 100

72 42.2 37.4 56.0

71 39.6 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 49.328 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX005413.D

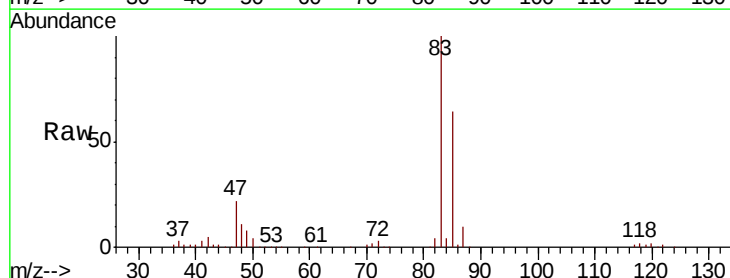
Acq: 18 Oct 2018 02:00

Tgt Ion: 83 Resp: 214058

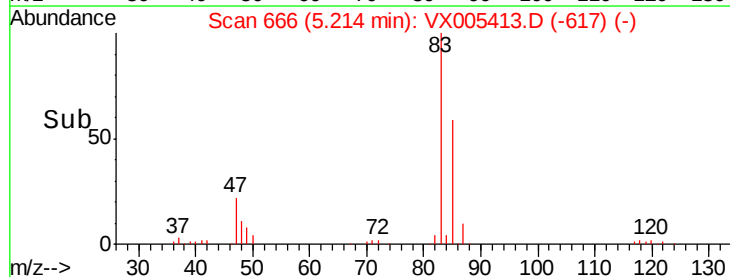
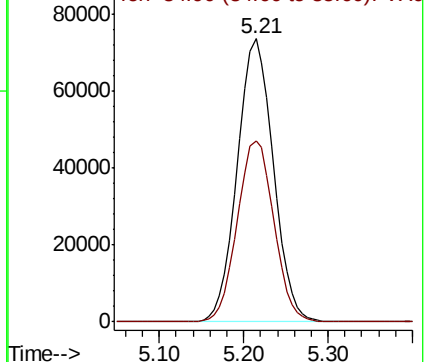
Ion Ratio Lower Upper

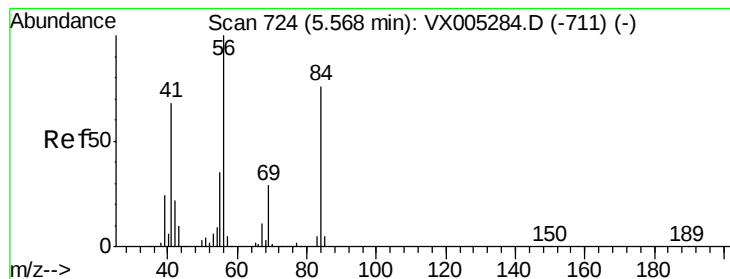
83 100

85 64.1 52.6 79.0



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





#31

Cyclohexane

Concen: 48.349 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

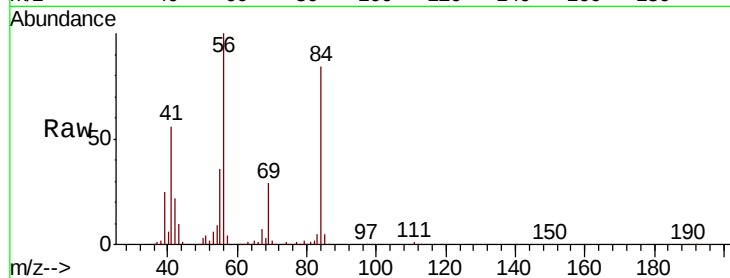
Tot Ion: 56 Resp: 186304

Ion Ratio Lower Upper

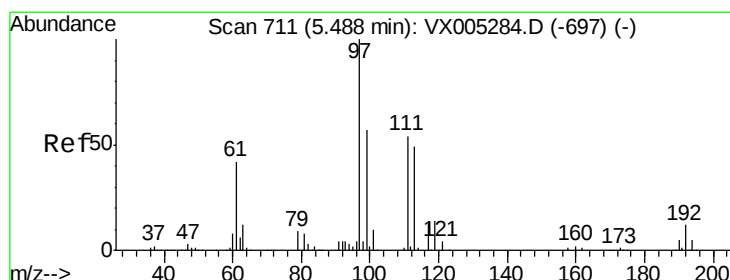
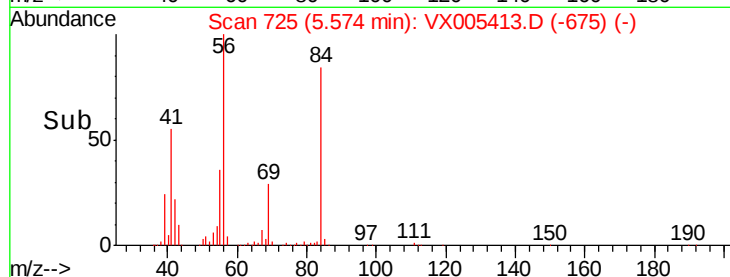
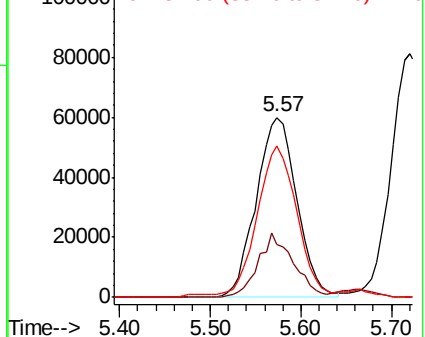
56 100

69 29.2 25.4 38.2

84 82.7 71.4 107.2



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: 49.432 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

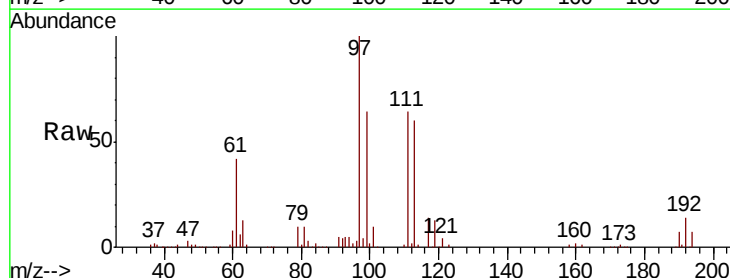
Tgt Ion: 97 Resp: 186647

Ion Ratio Lower Upper

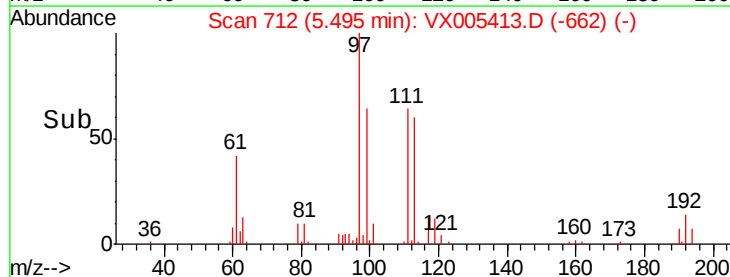
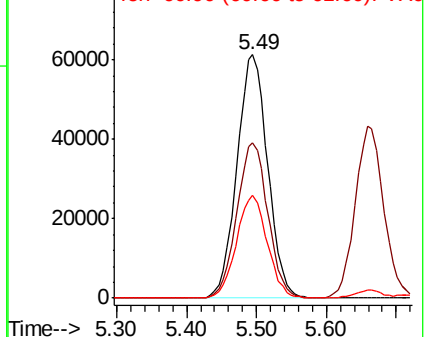
97 100

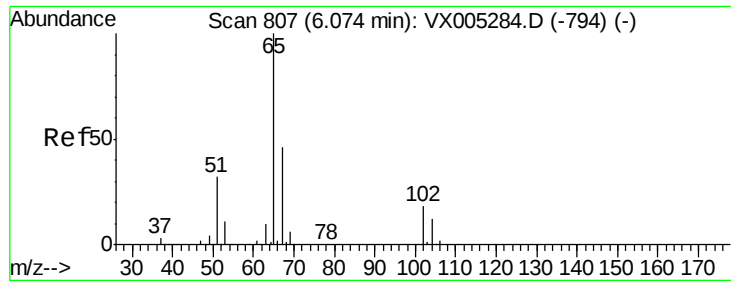
99 64.4 52.0 78.0

61 42.5 34.9 52.3



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: 47.902 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

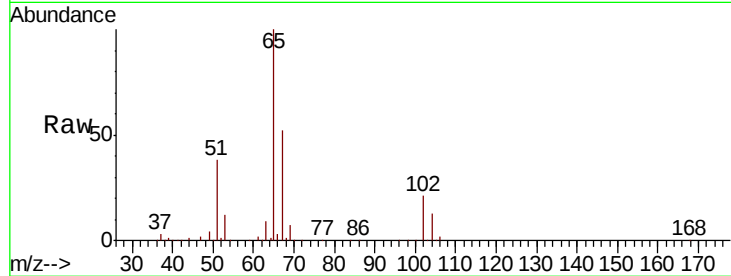
RLF-SW-5MS

Tot Ion: 65 Resp: 134278

Ion Ratio Lower Upper

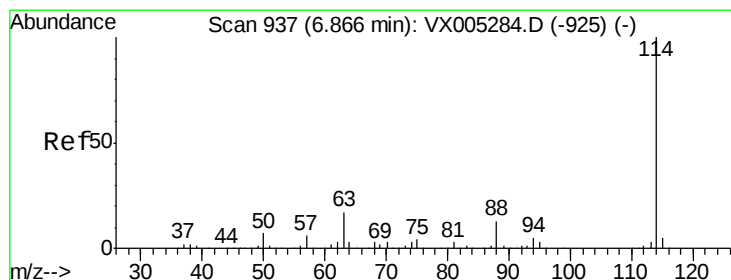
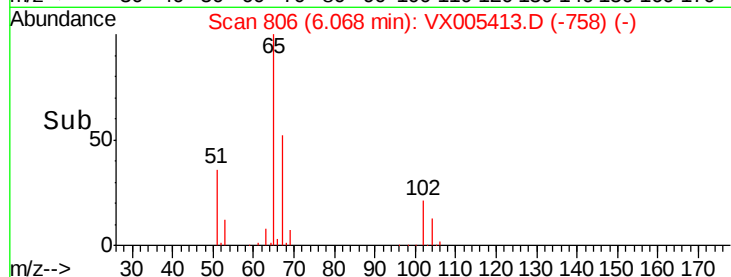
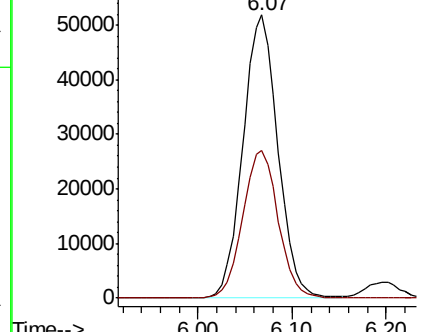
65 100

67 53.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

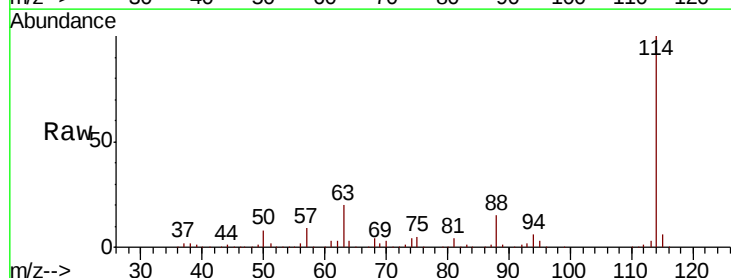
Tgt Ion: 114 Resp: 364105

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

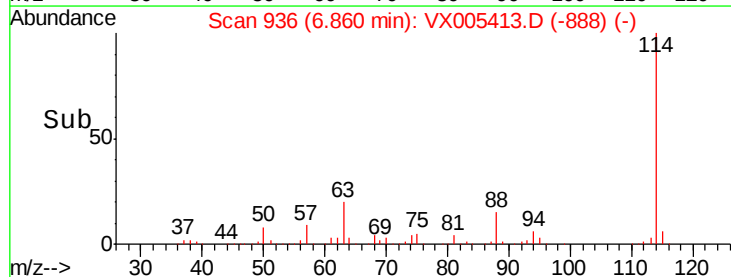
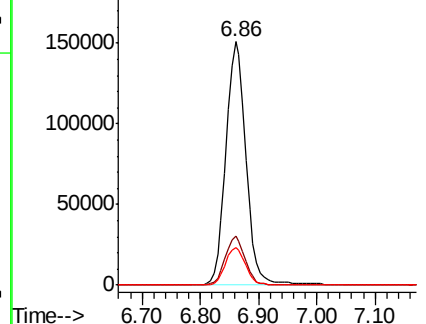
88 15.2 0.0 30.4

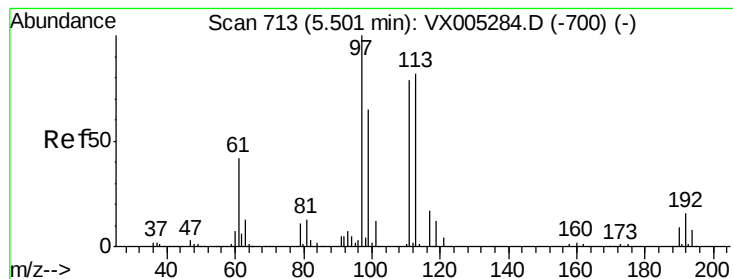


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.353 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

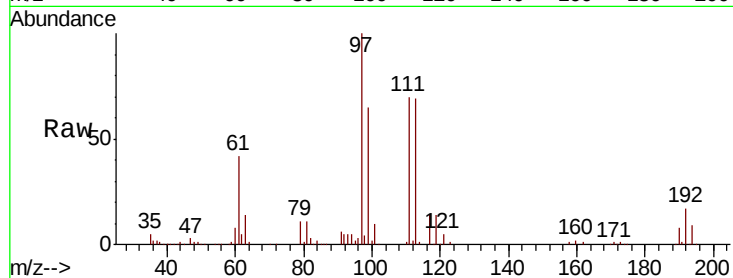
Tot Ion:113 Resp: 111782

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

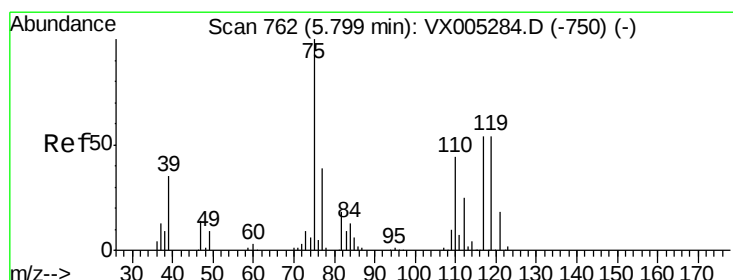
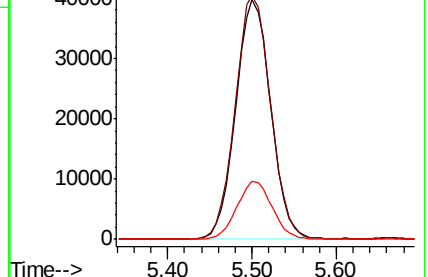
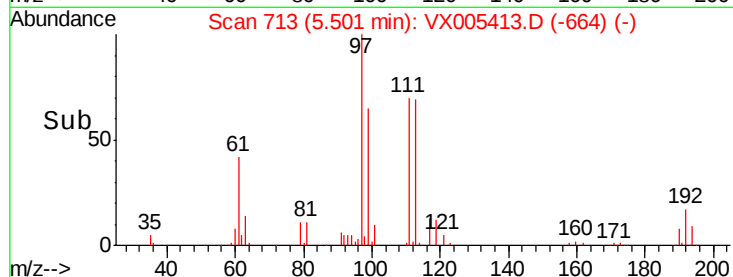
192 24.4 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 43.843 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

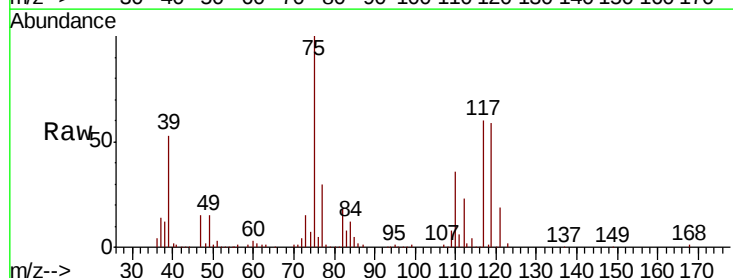
Tgt Ion: 75 Resp: 154605

Ion Ratio Lower Upper

75 100

110 37.2 18.0 54.0

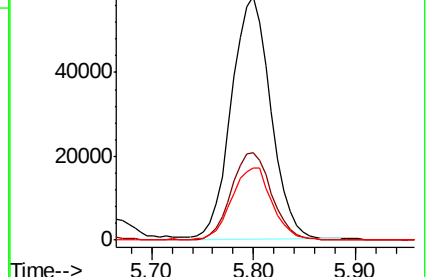
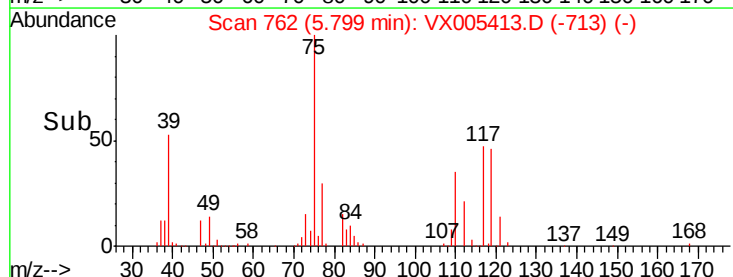
77 30.4 24.6 36.8

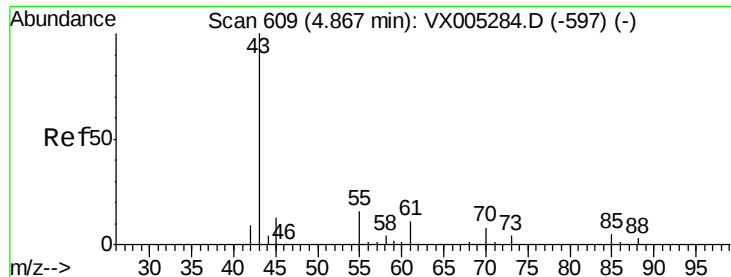


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 44.398 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

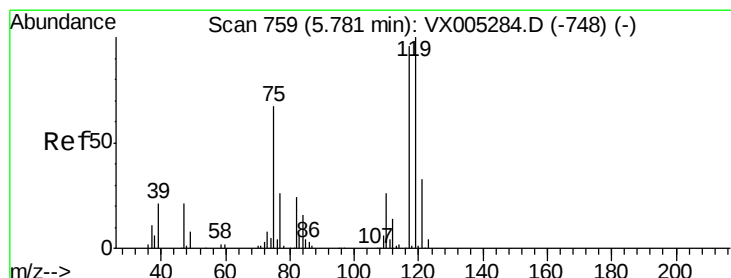
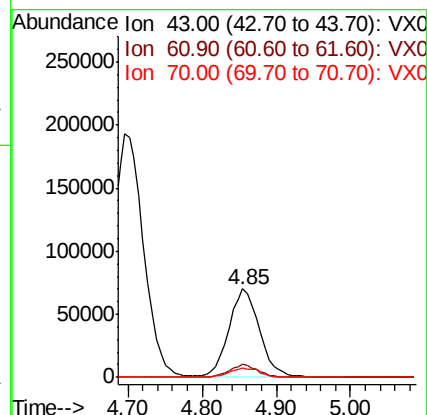
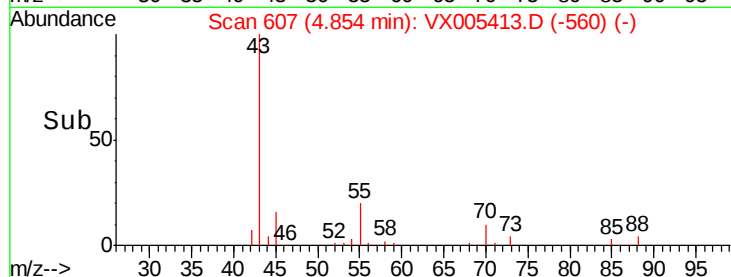
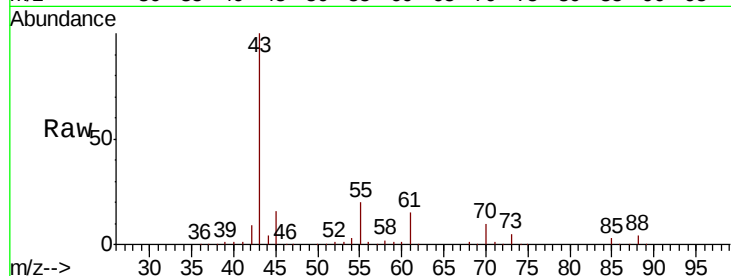
Tot Ion: 43 Resp: 201344

Ion Ratio Lower Upper

43 100

61 13.9 11.5 17.3

70 10.5 9.0 13.6



#38

Carbon Tetrachloride

Concen: 47.084 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

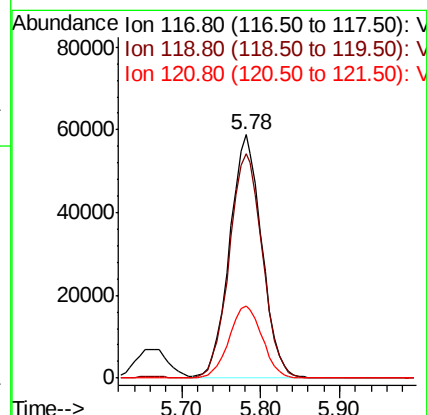
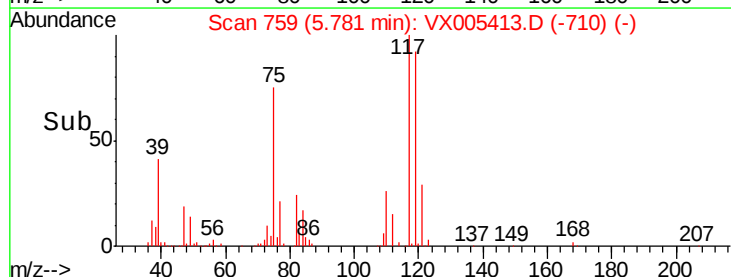
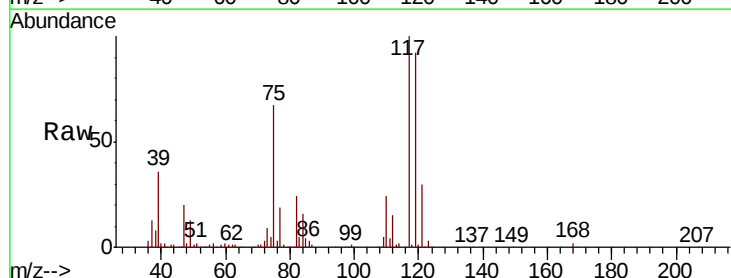
Tgt Ion: 117 Resp: 166829

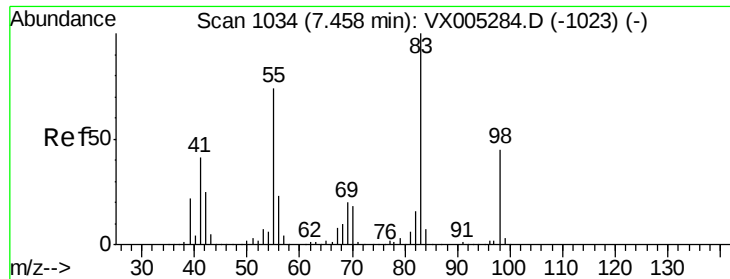
Ion Ratio Lower Upper

117 100

119 92.1 78.8 118.2

121 29.7 24.9 37.3

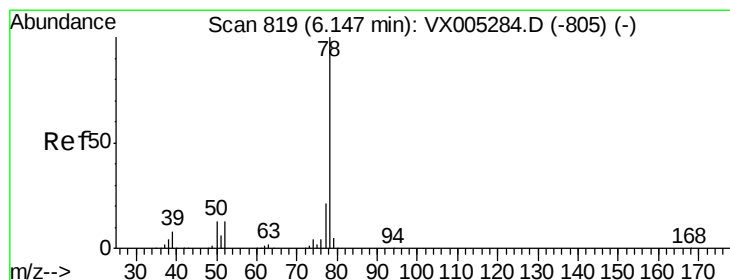
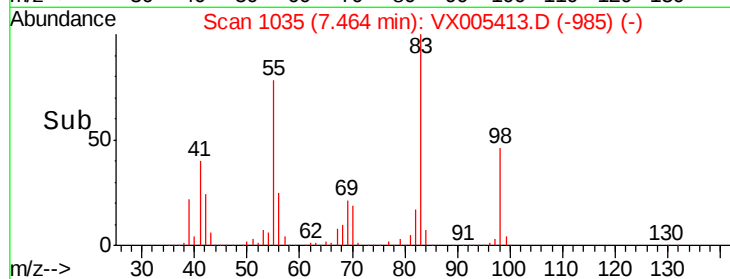
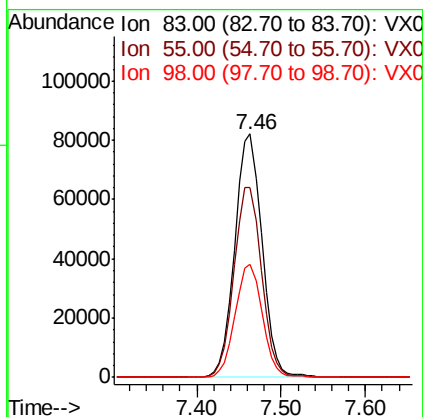
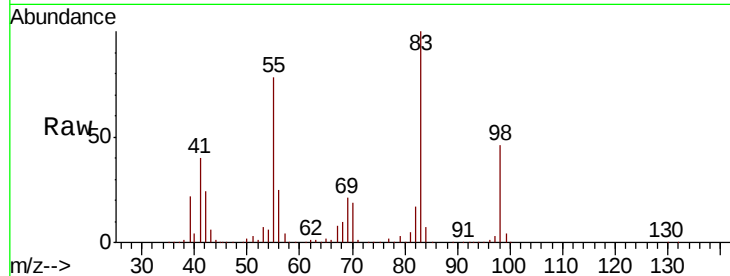




#39
Methvlcvclohexane
Concen: 46.971 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

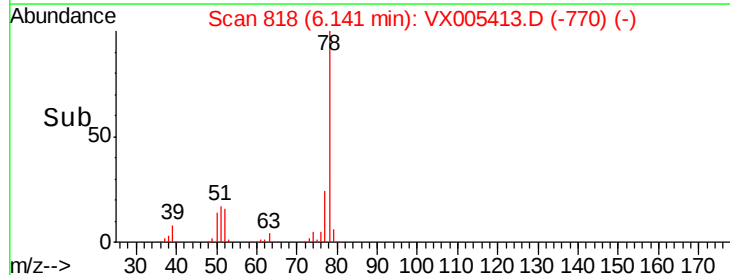
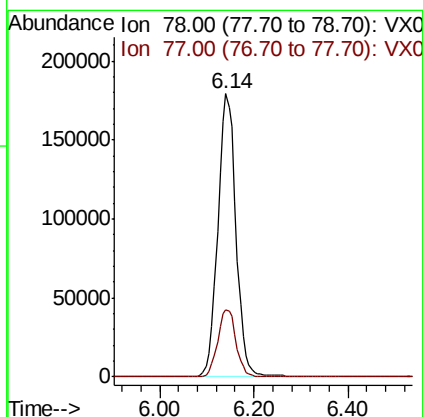
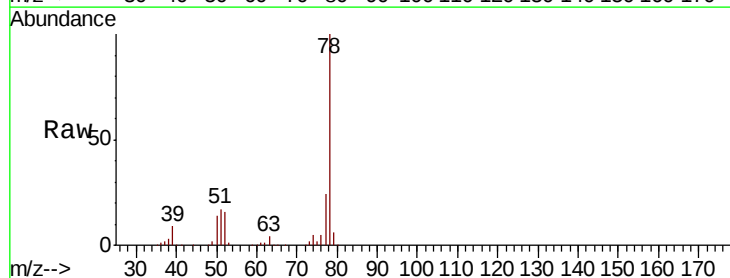
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

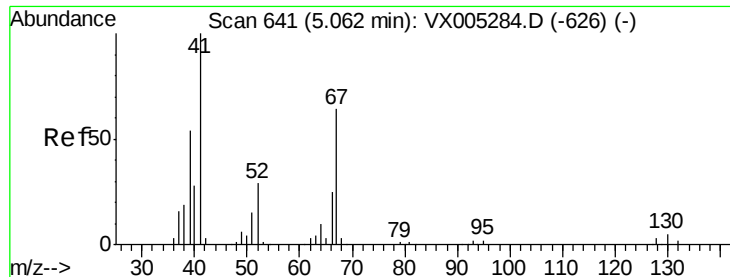
Tot Ion: 83 Resp: 179265
Ion Ratio Lower Upper
83 100
55 78.0 61.0 91.4
98 46.2 39.6 59.4



#40
Benzene
Concen: 45.212 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 78 Resp: 478270
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

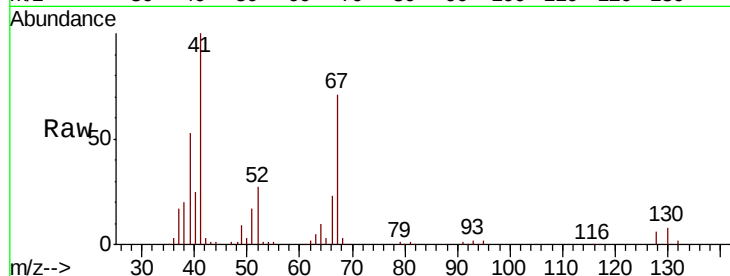




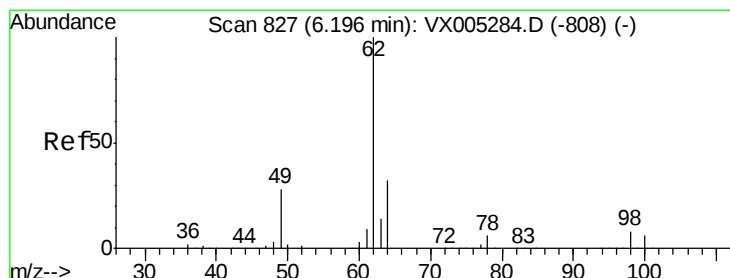
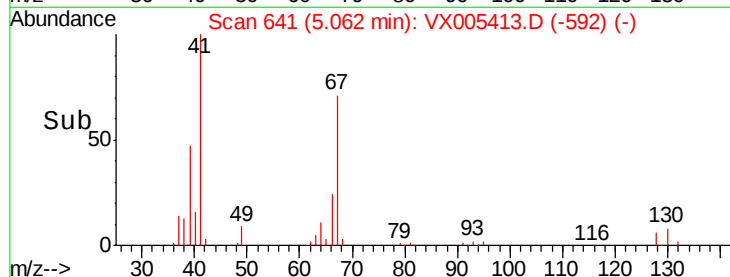
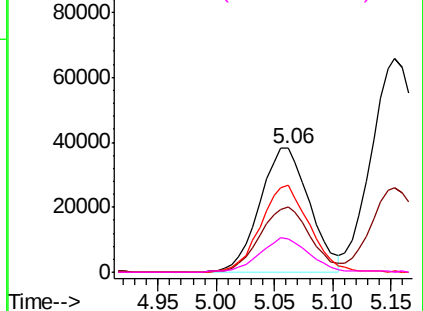
#41
Methacrylonitrile
Concen: 46.431 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tot Ion:	41	Resp:	112884
Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.4	63.6
67	68.9	59.2	88.8
52	27.6	23.0	34.4

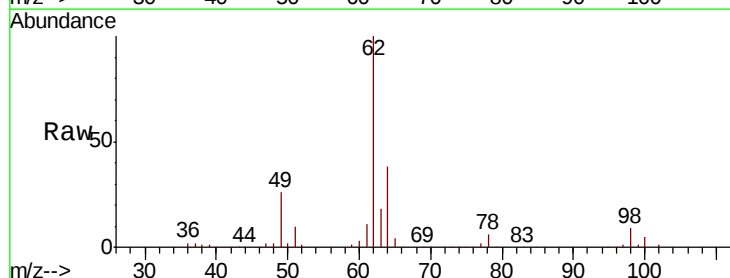


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

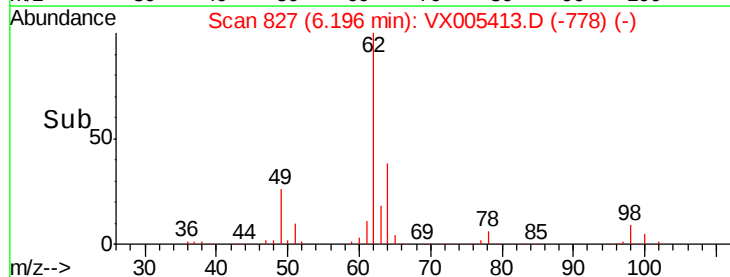
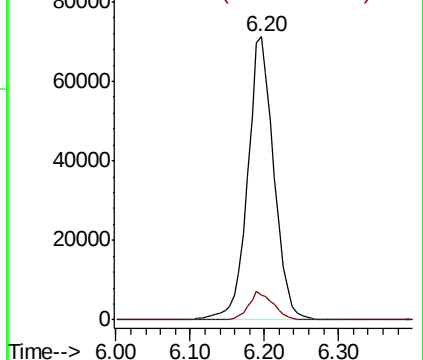


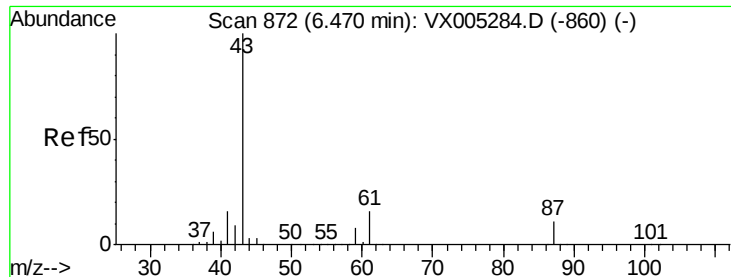
#42
1,2-Dichloroethane
Concen: 47.062 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:	62	Resp:	175786
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 51.304 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

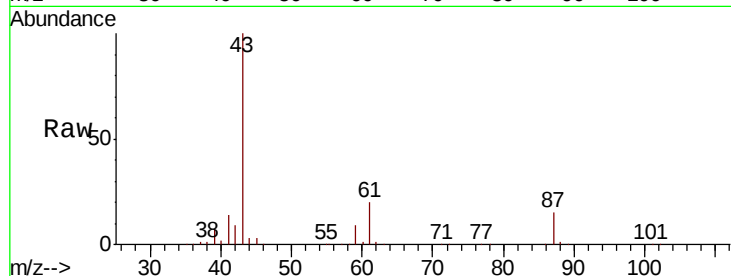
Tot Ion: 43 Resp: 309927

Ion Ratio Lower Upper

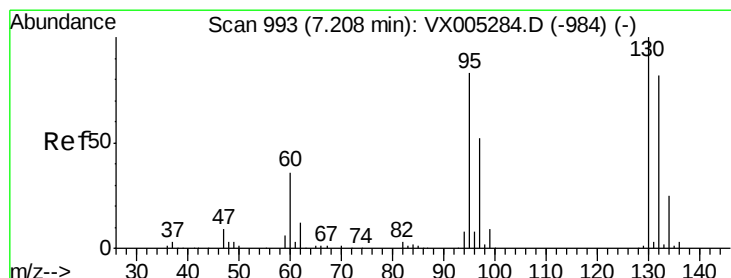
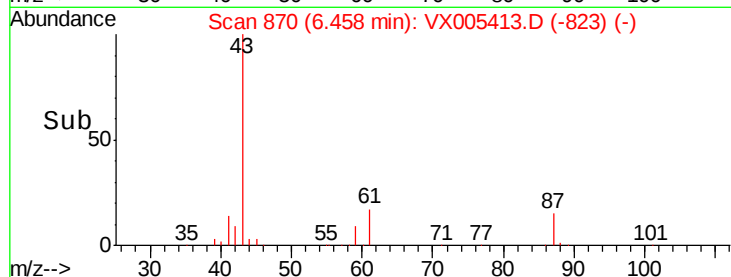
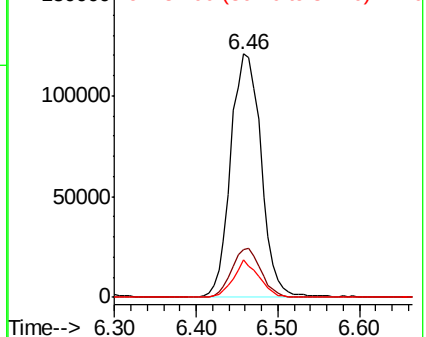
43 100

61 19.4 17.0 25.4

87 13.1 11.4 17.2



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



#44

Trichloroethene

Concen: 48.569 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005413.D

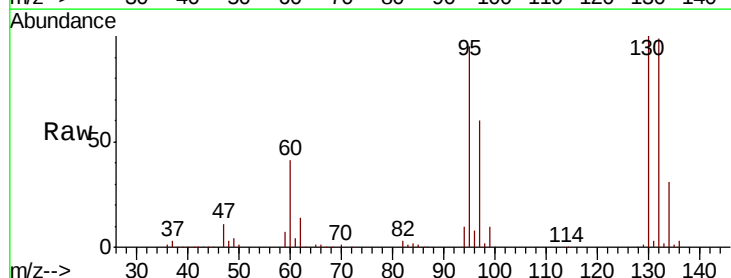
Acq: 18 Oct 2018 02:00

Tgt Ion:130 Resp: 131232

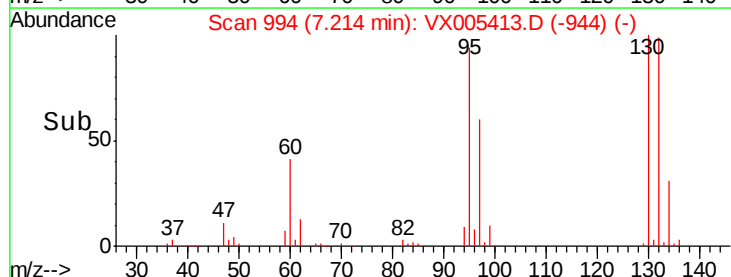
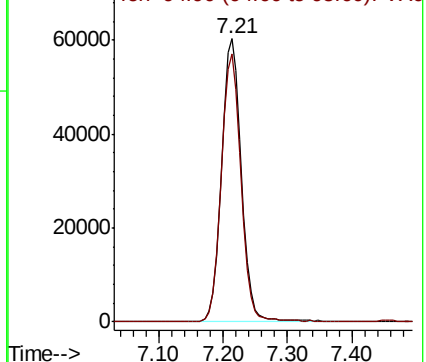
Ion Ratio Lower Upper

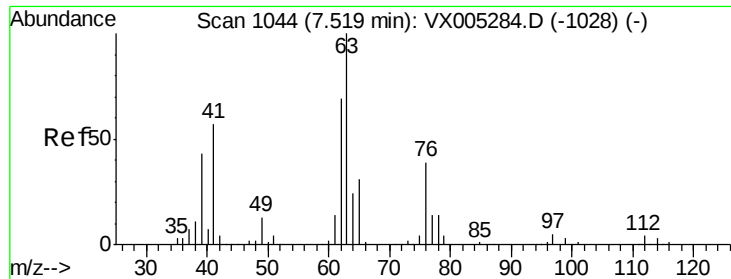
130 100

95 94.7 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 50.116 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

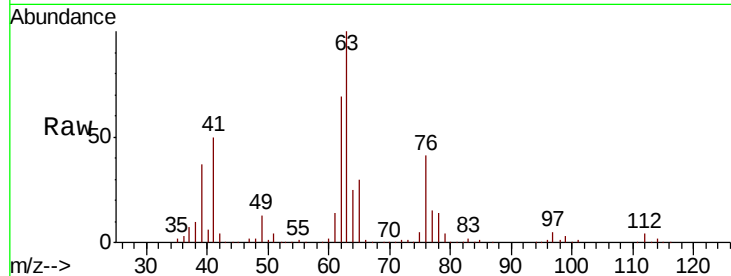
RLF-SW-5MS

Tot Ion: 63 Resp: 130043

Ion Ratio Lower Upper

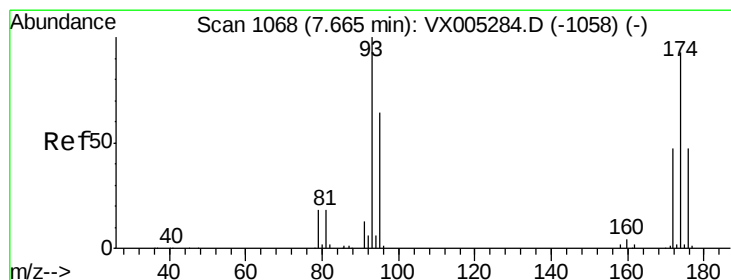
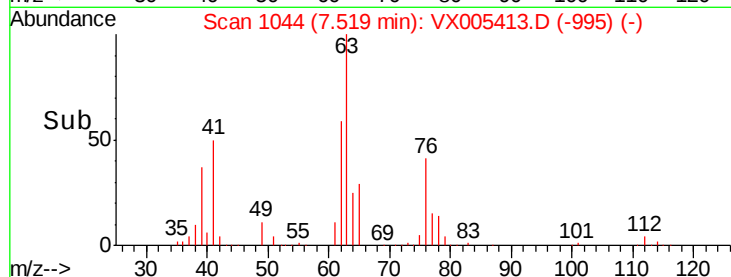
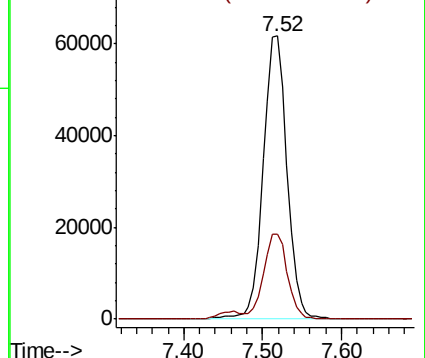
63 100

65 30.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.289 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

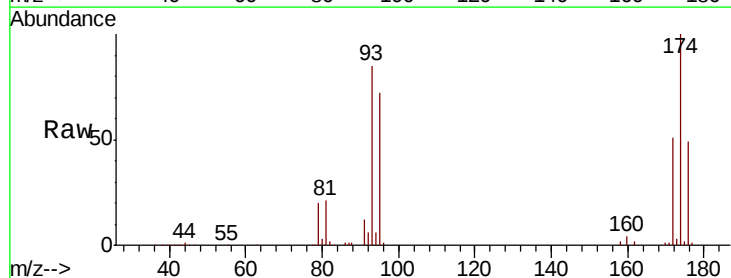
Tgt Ion: 93 Resp: 82701

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

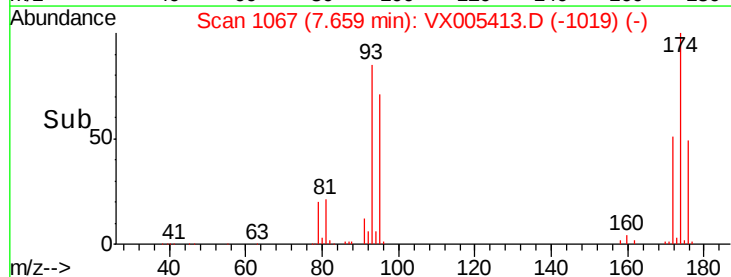
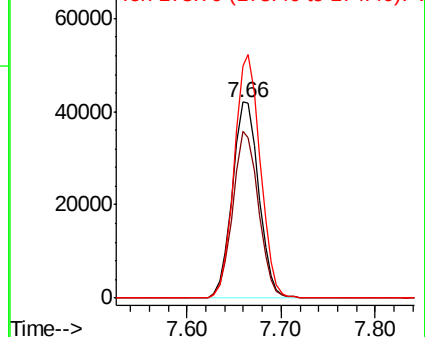
174 121.3 94.2 141.4

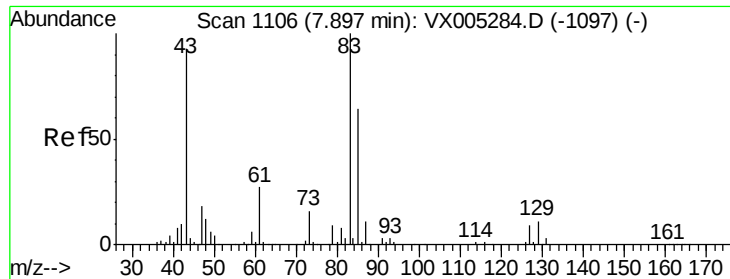


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

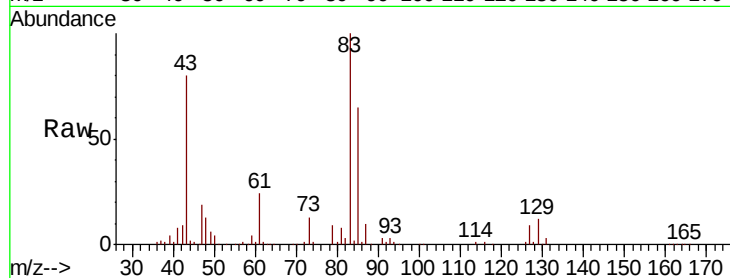




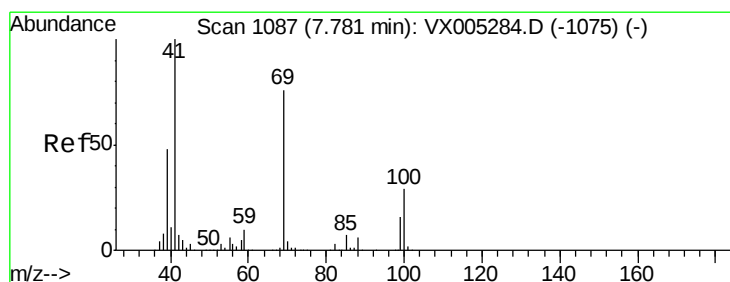
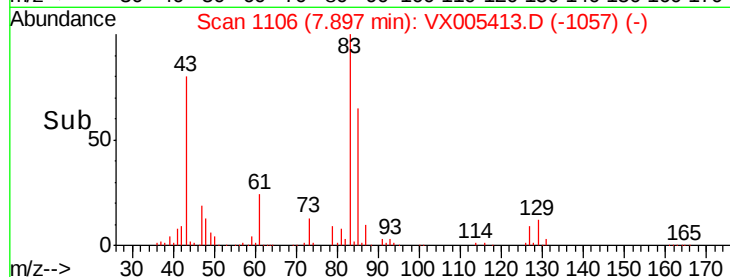
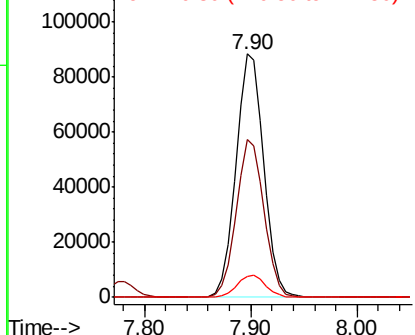
#47
 Bromodichloromethane
 Concen: 51.100 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tot Ion: 83 Resp: 161876
 Ion Ratio Lower Upper
 83 100
 85 64.7 50.9 76.3
 127 8.7 7.3 10.9

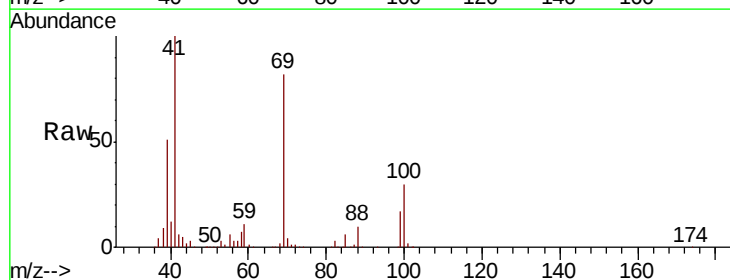


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

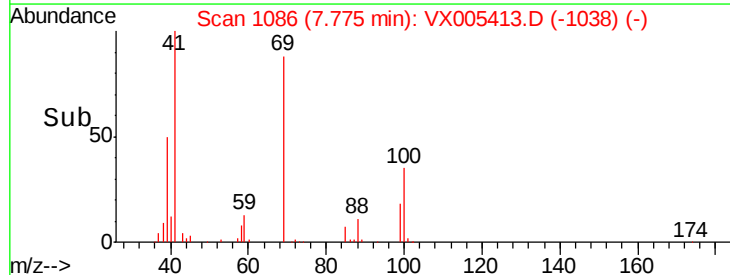
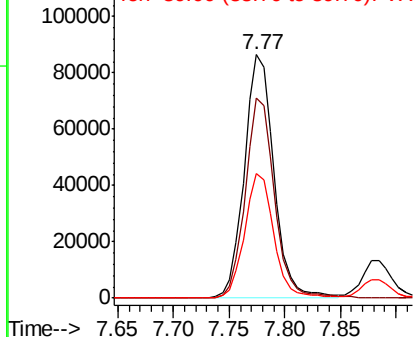


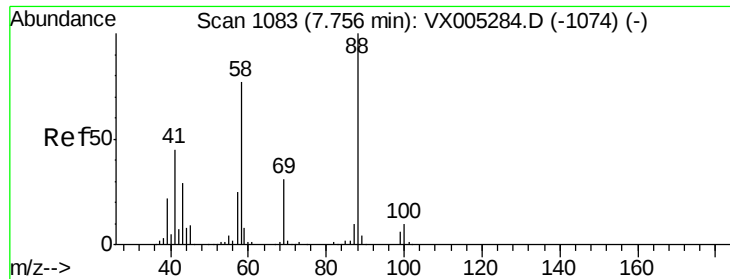
#48
 Methyl methacrylate
 Concen: 50.931 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 41 Resp: 159575
 Ion Ratio Lower Upper
 41 100
 69 82.0 70.2 105.4
 39 50.4 42.7 64.1



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

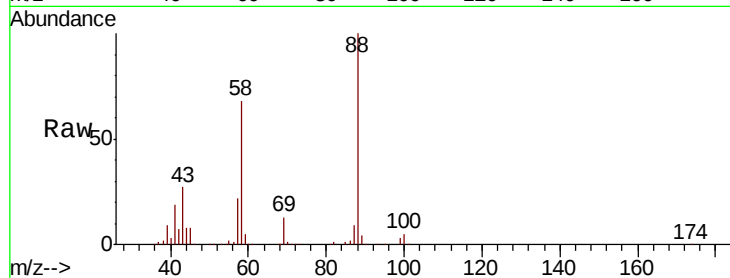




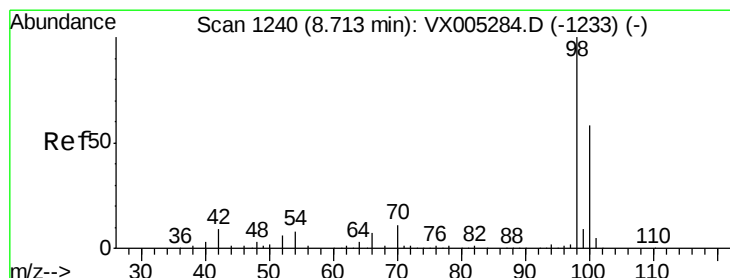
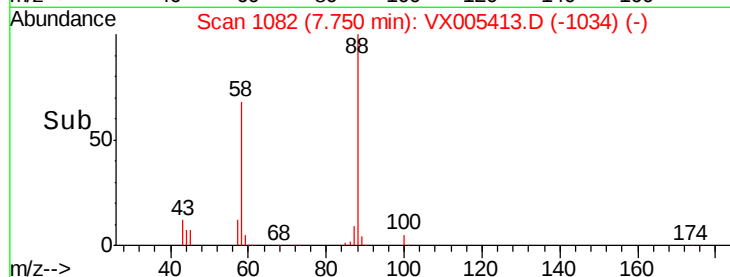
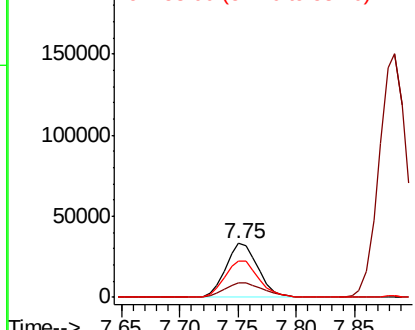
#49
1,4-Dioxane
Concen: 889.716 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tot Ion: 88 Resp: 64296
Ion Ratio Lower Upper
88 100
43 32.2 24.7 37.1
58 71.1 55.3 82.9

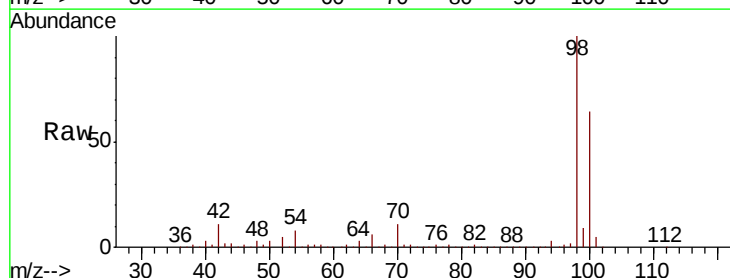


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

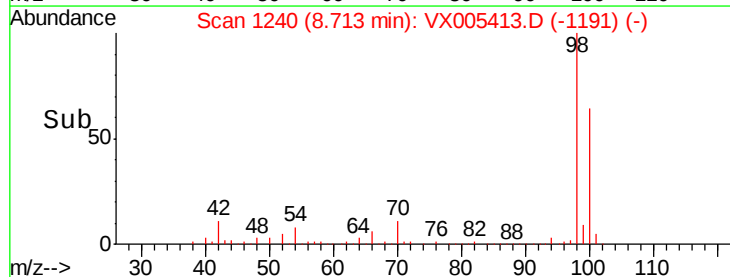
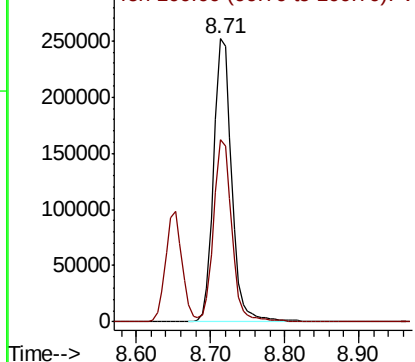


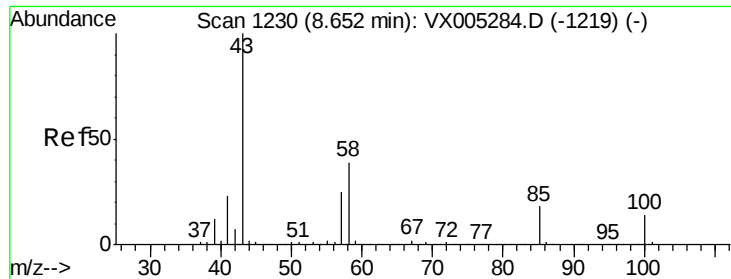
#50
Toluene-d8
Concen: 50.635 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 98 Resp: 419210
Ion Ratio Lower Upper
98 100
100 64.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 256.782 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

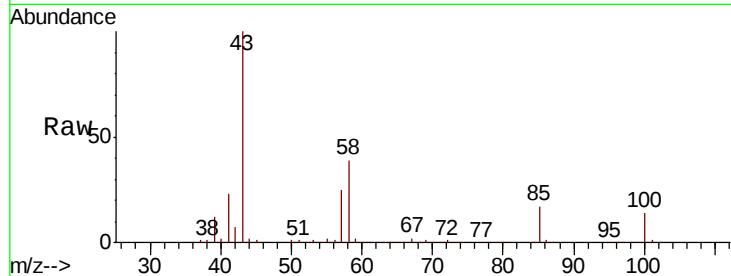
RLF-SW-5MS

Tot Ion: 43 Resp: 1074086

Ion Ratio Lower Upper

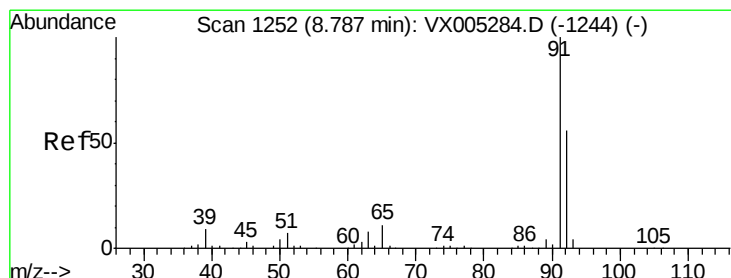
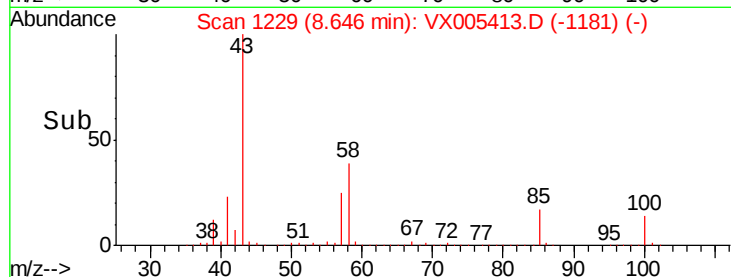
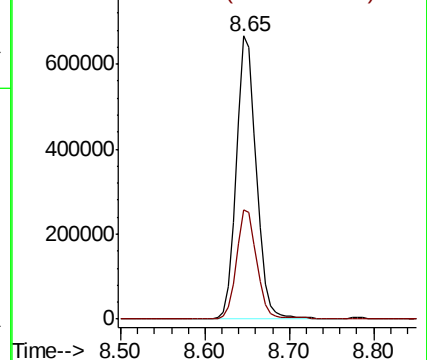
43 100

58 39.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.074 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005413.D

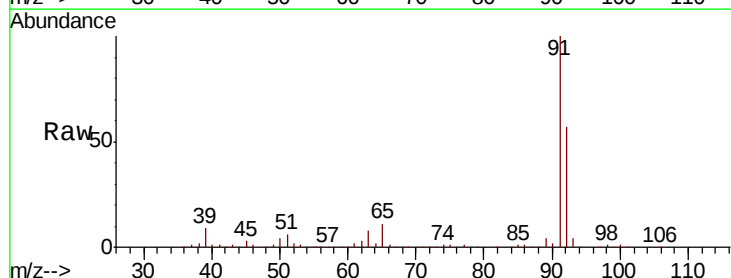
Acq: 18 Oct 2018 02:00

Tgt Ion: 92 Resp: 301367

Ion Ratio Lower Upper

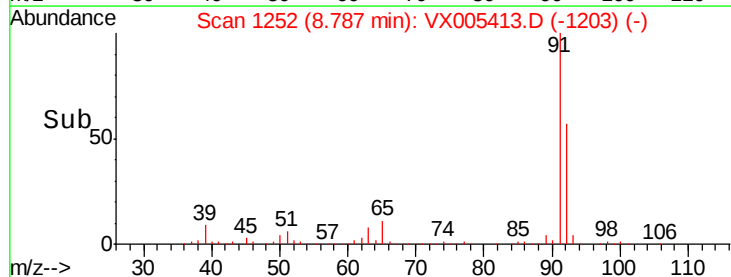
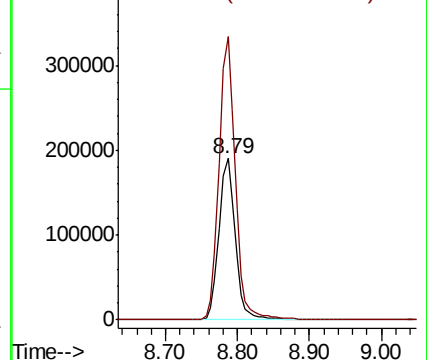
92 100

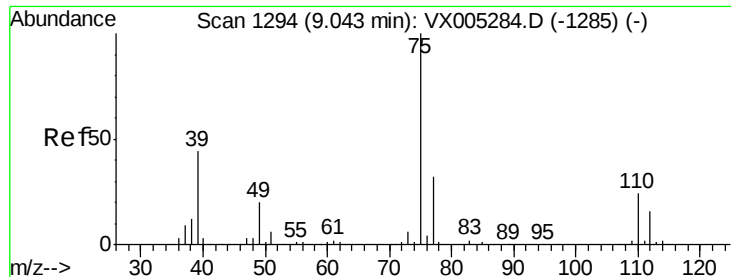
91 174.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

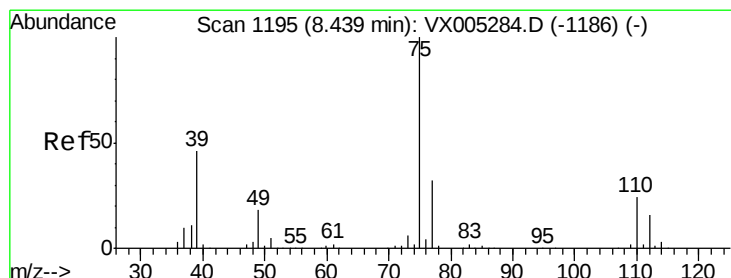
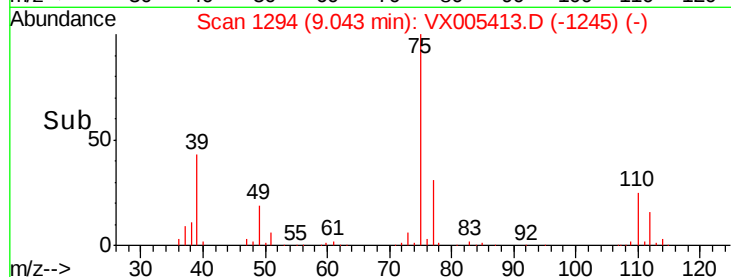
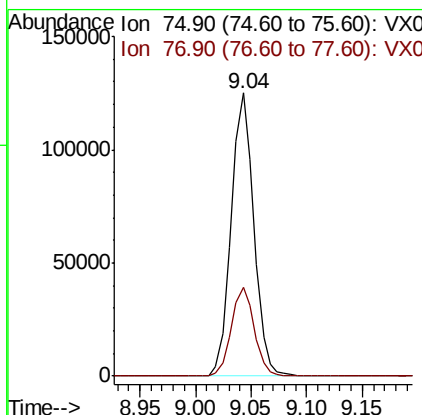
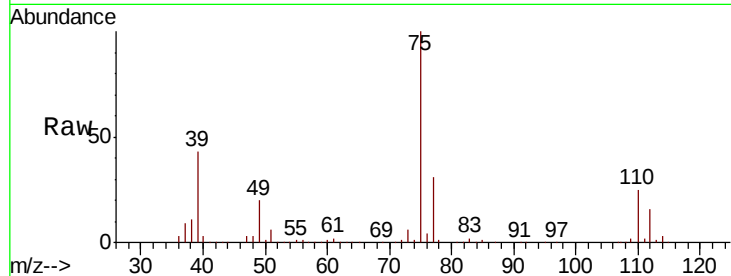




#53
t-1,3-Dichloropropene
Concen: 51.412 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

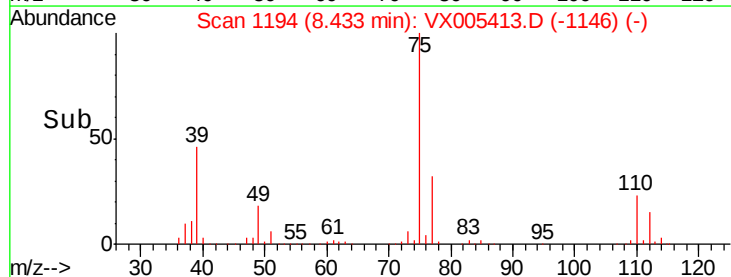
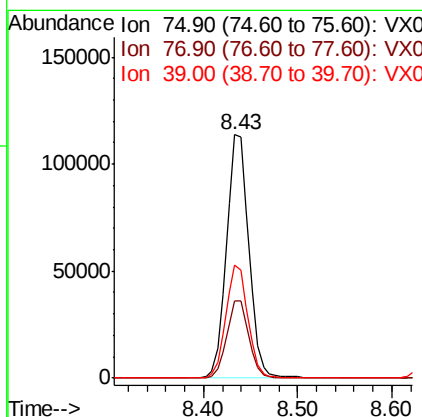
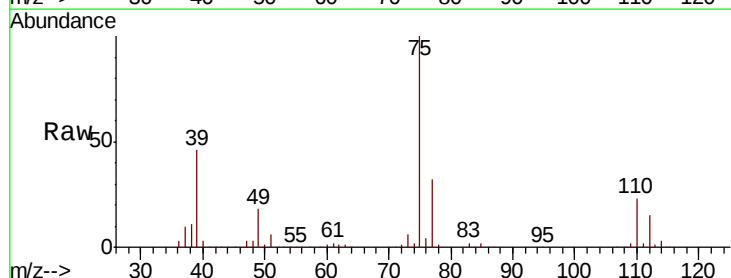
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

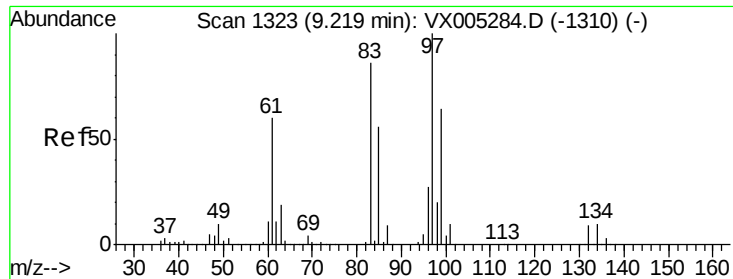
Tot Ion: 75 Resp: 176255
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 50.324 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 75 Resp: 186936
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2
39 46.3 36.4 54.6

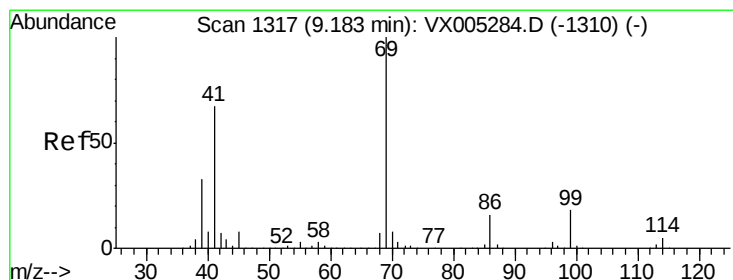
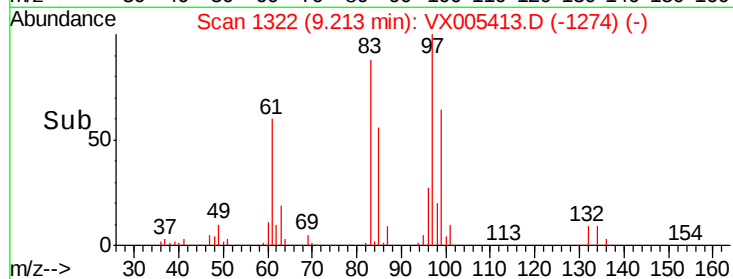
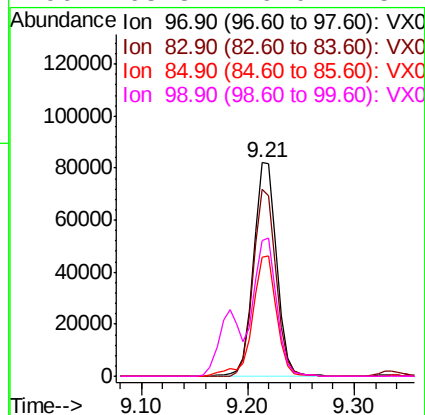
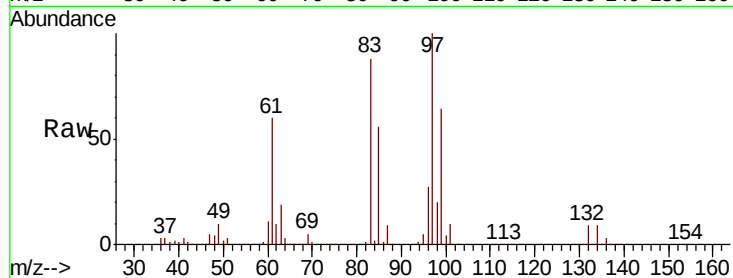




#55
1,1,2-Trichloroethane
Concen: 51.341 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

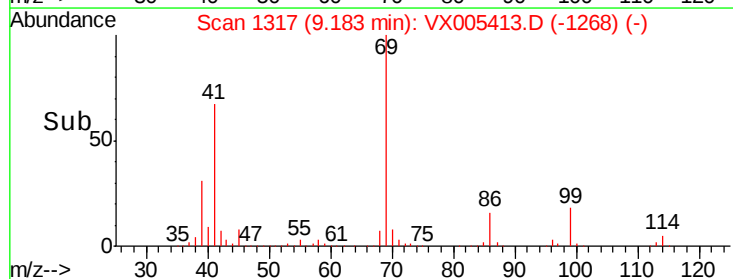
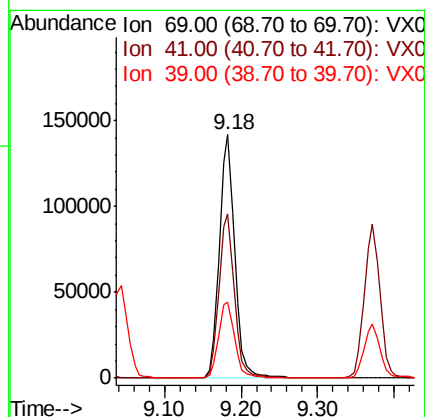
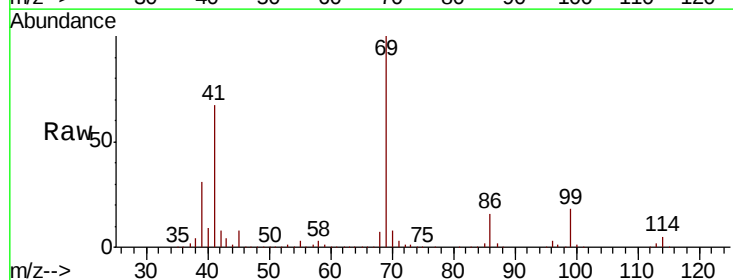
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

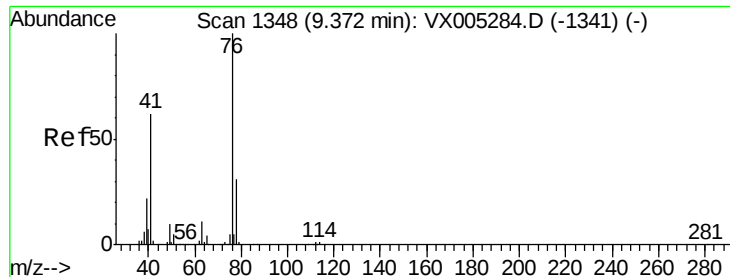
Tot Ion:	97	Resp:	125850
Ion	Ratio	Lower	Upper
97	100		
83	87.8	66.4	99.6
85	56.0	43.3	64.9
99	63.8	49.0	73.4



#56
Ethyl methacrylate
Concen: 55.406 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:	69	Resp:	197988
Ion	Ratio	Lower	Upper
69	100		
41	67.7	51.0	76.4
39	32.5	26.1	39.1





#57

1,3-Dichloropropane

Concen: 51.311 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

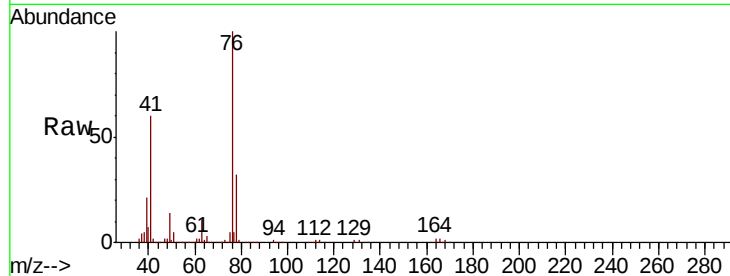
RLF-SW-5MS

Tot Ion: 76 Resp: 209930

Ion Ratio Lower Upper

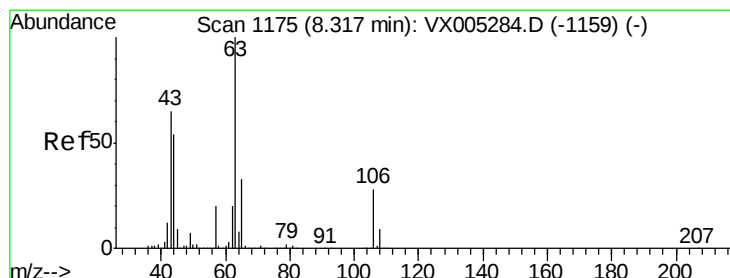
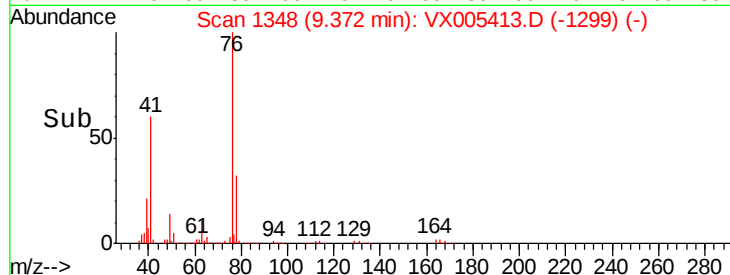
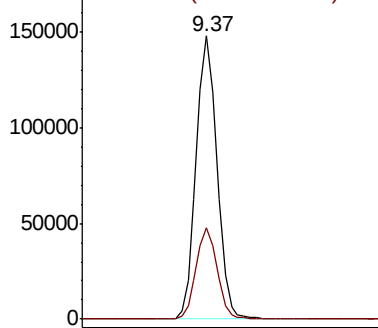
76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 0.873 ug/l

RT: 8.27 min Scan# 1168

Delta R.T. -0.04 min

Lab File: VX005413.D

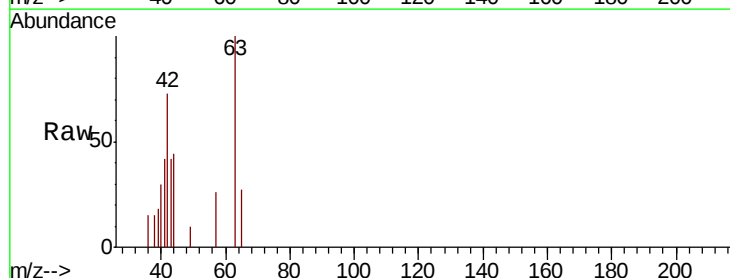
Acq: 18 Oct 2018 02:00

Tgt Ion: 63 Resp: 1749

Ion Ratio Lower Upper

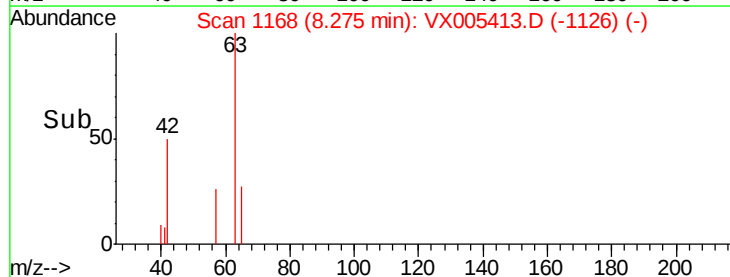
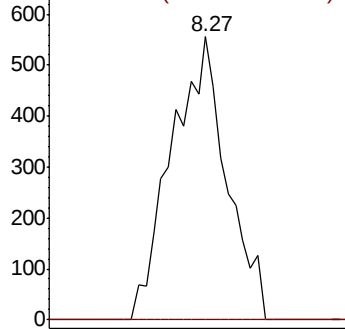
63 100

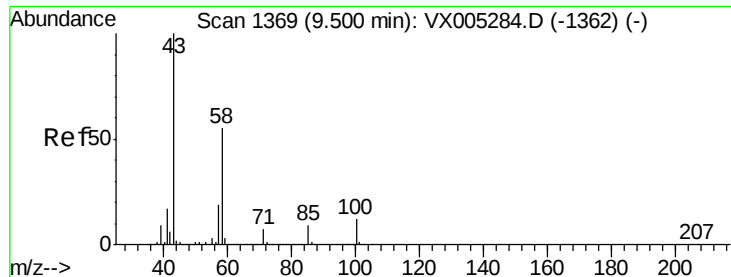
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

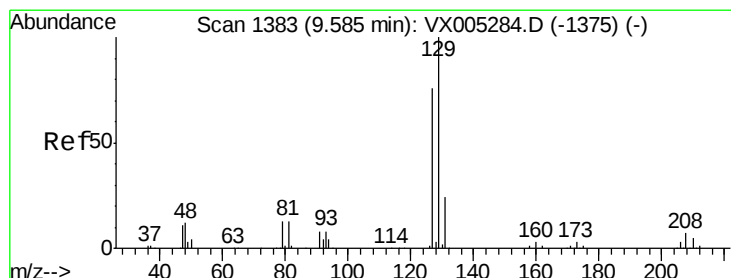
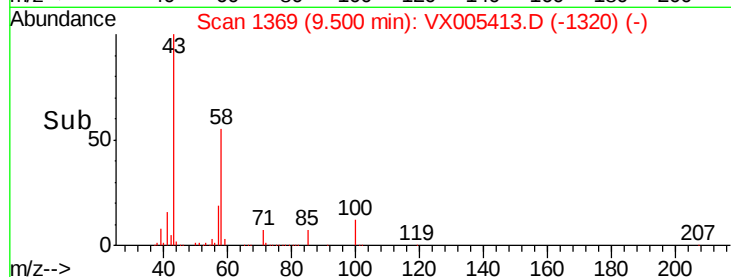
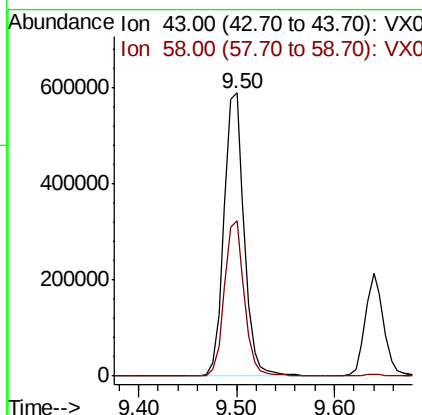
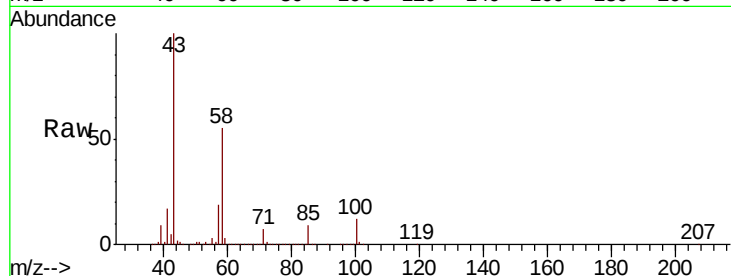




#59
2-Hexanone
Concen: 250.145 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

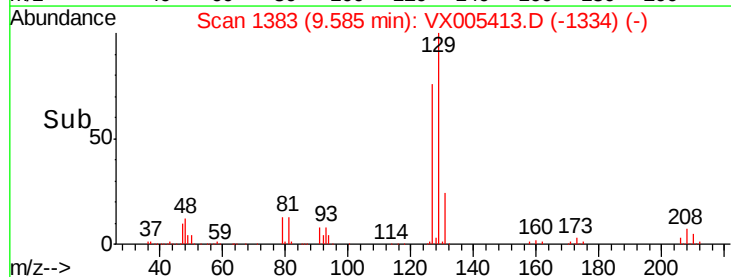
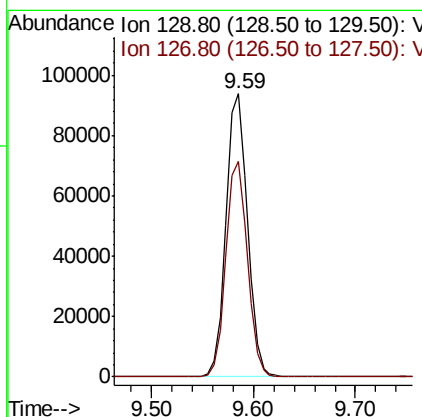
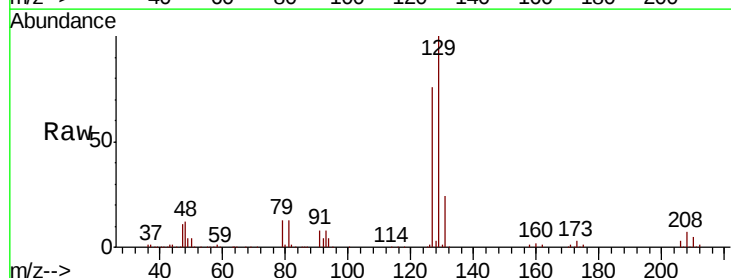
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

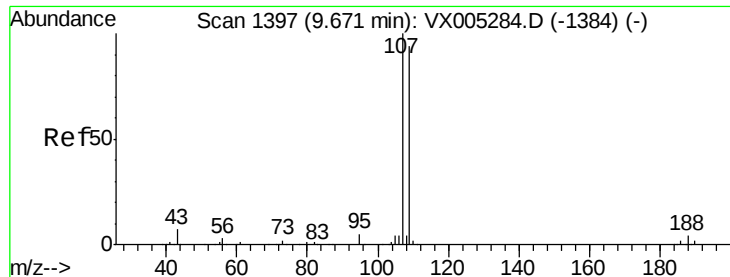
Tot Ion: 43 Resp: 841666
Ion Ratio Lower Upper
43 100
58 54.3 29.0 87.0



#60
Dibromochloromethane
Concen: 53.808 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 129 Resp: 136337
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.922 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

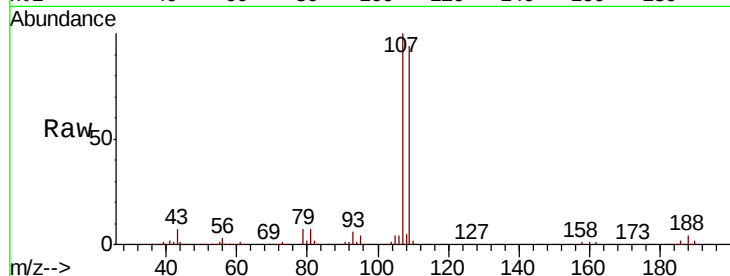
RLF-SW-5MS

Tot Ion:107 Resp: 130997

Ion Ratio Lower Upper

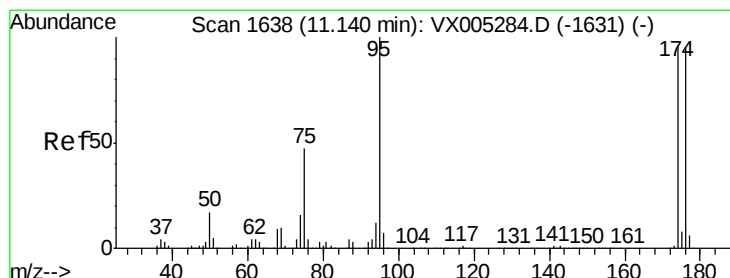
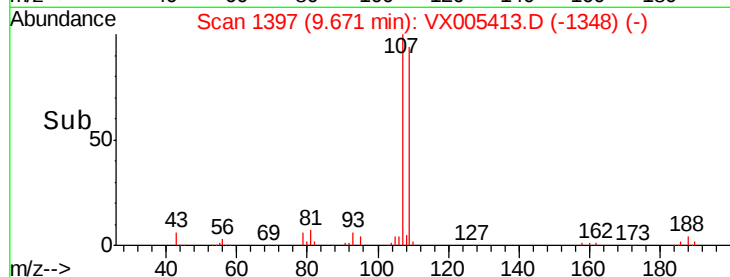
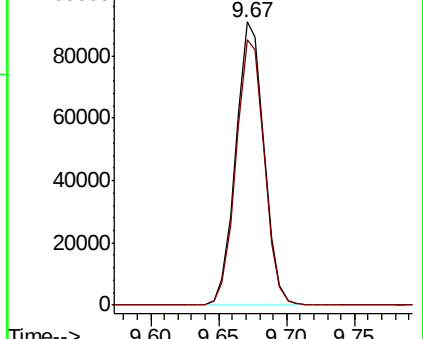
107 100

109 94.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.285 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

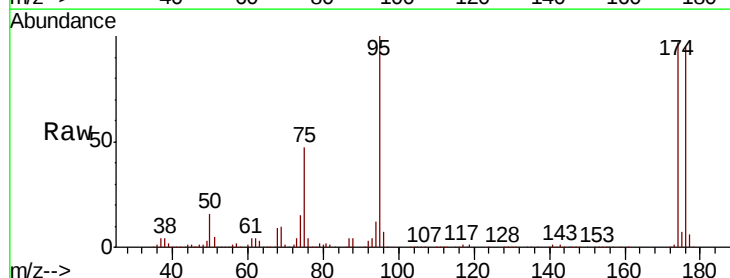
Tgt Ion: 95 Resp: 159505

Ion Ratio Lower Upper

95 100

174 94.9 0.0 185.2

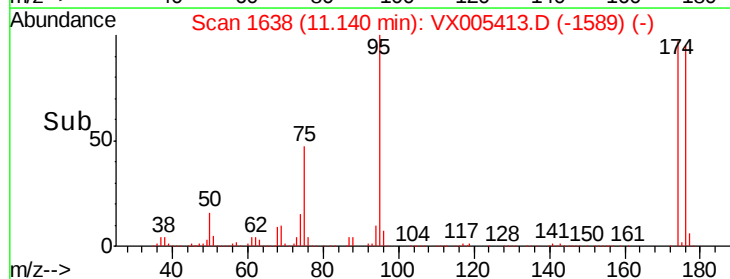
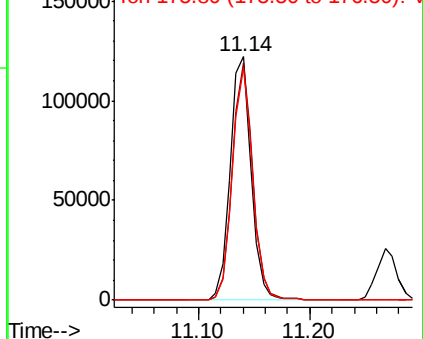
176 92.3 0.0 178.6

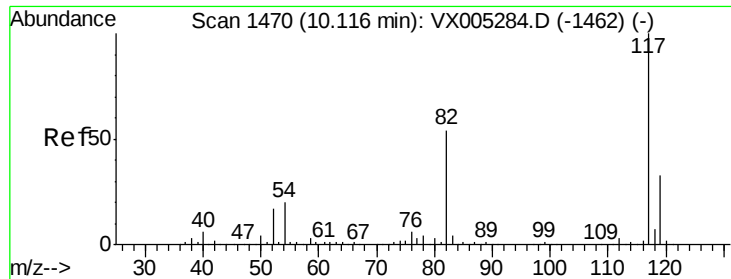


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

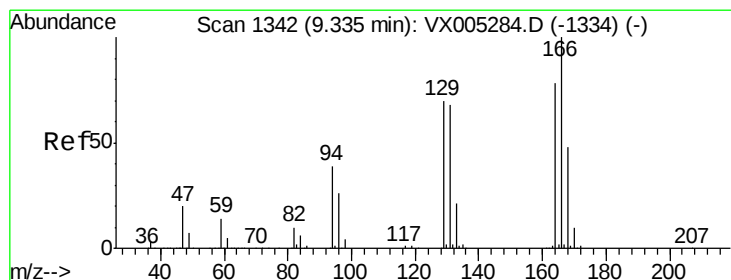
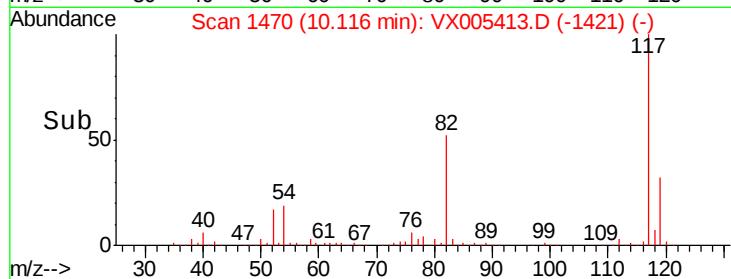
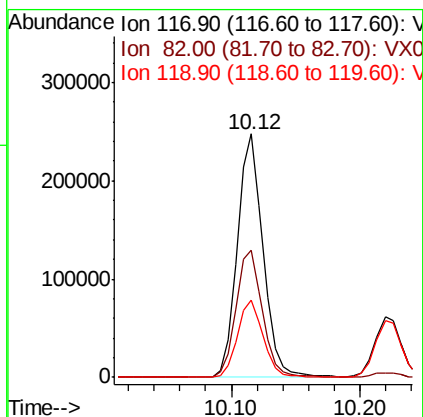
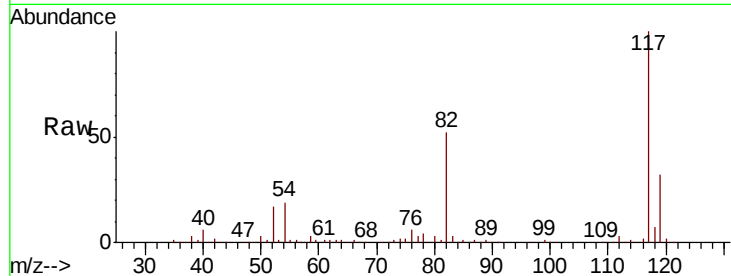




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

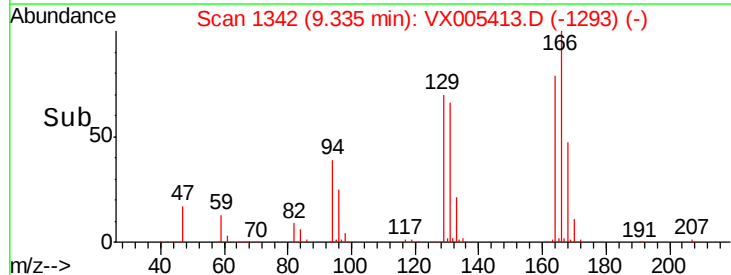
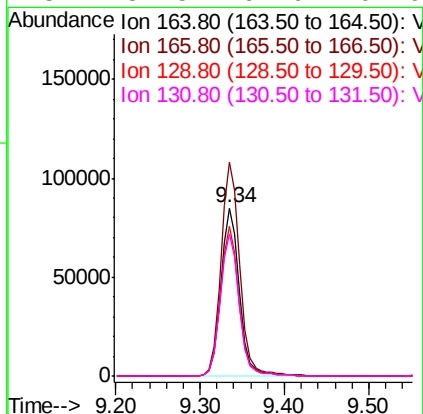
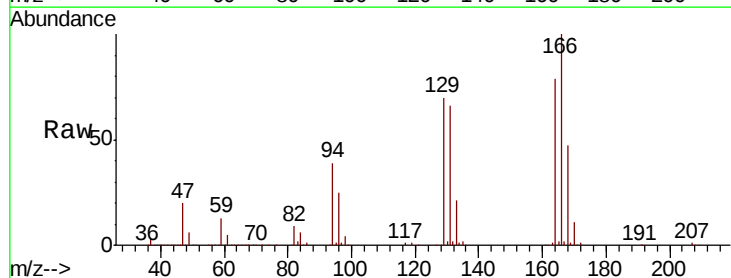
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

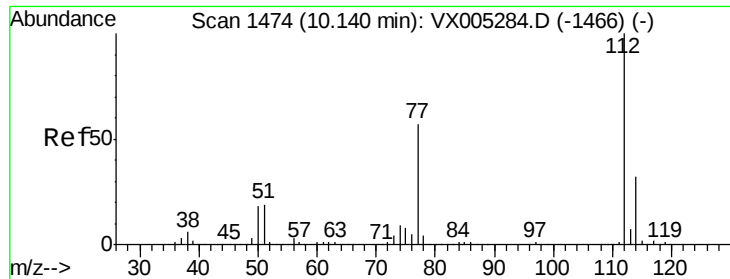
Tot Ion:117 Resp: 343861
Ion Ratio Lower Upper
117 100
82 52.3 47.8 71.6
119 31.9 29.3 43.9



#64
Tetrachloroethene
Concen: 46.487 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:164 Resp: 128689
Ion Ratio Lower Upper
164 100
166 127.4 102.8 154.2
129 89.0 69.4 104.0
131 84.5 67.9 101.9

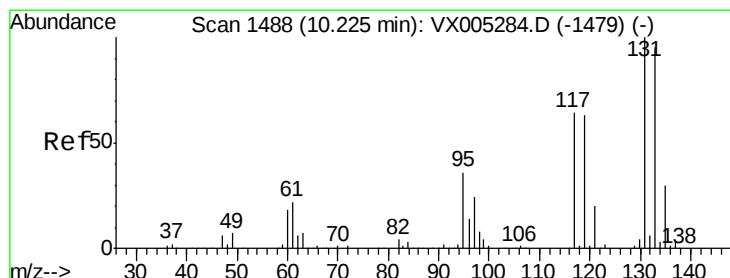
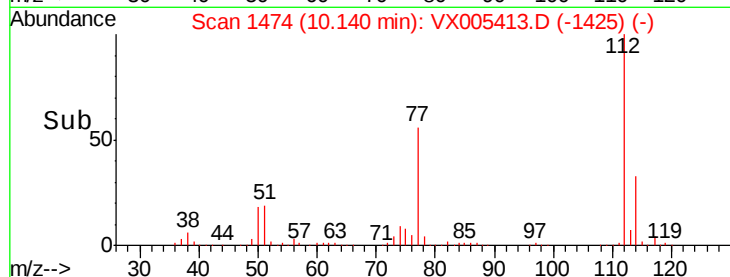
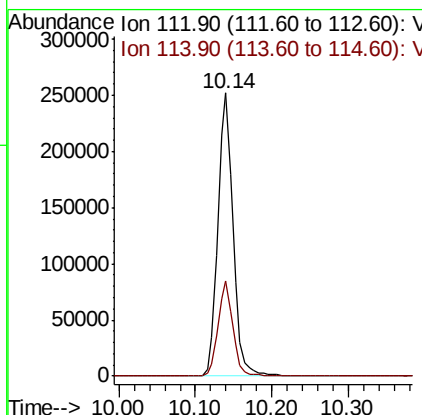
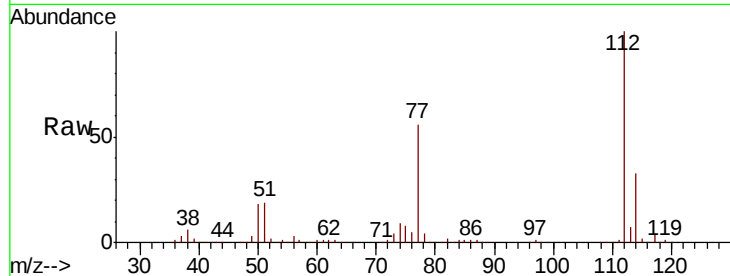




#65
Chlorobenzene
Concen: 47.347 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

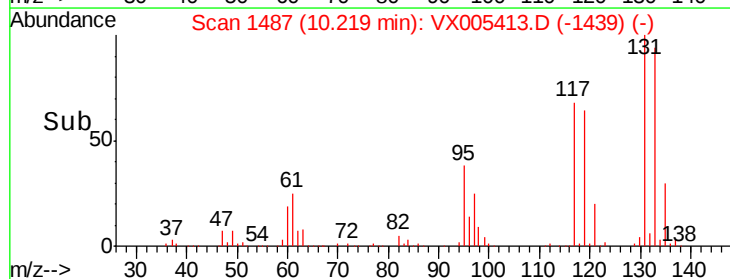
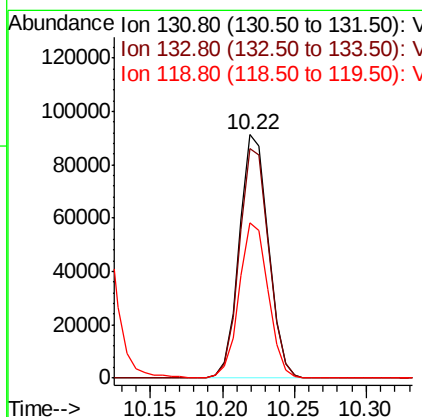
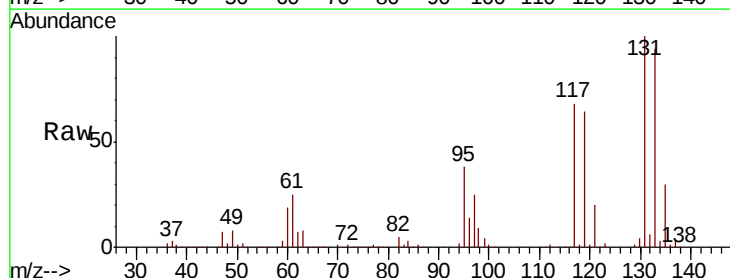
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

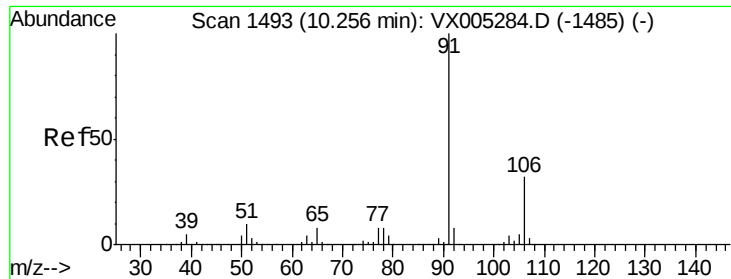
Tot Ion:112 Resp: 346314
Ion Ratio Lower Upper
112 100
114 33.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.240 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:131 Resp: 128346
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 63.8 32.9 98.6





#67

Ethyl Benzene

Concen: 49.200 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

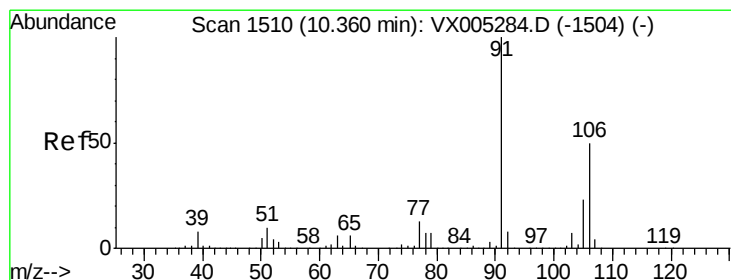
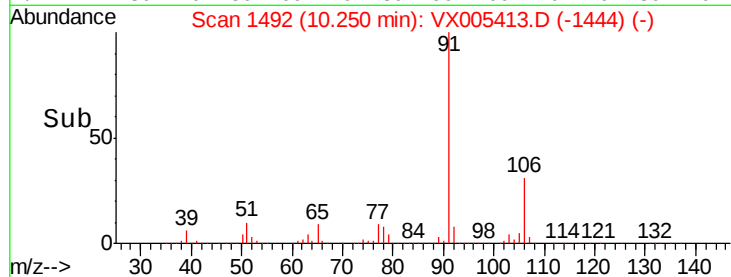
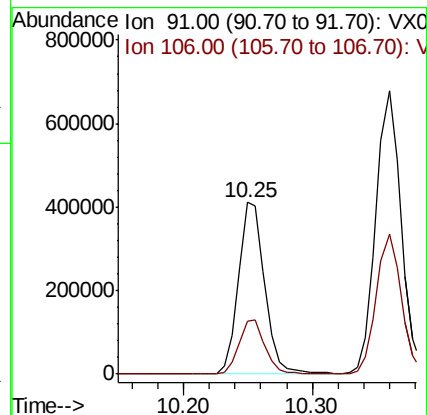
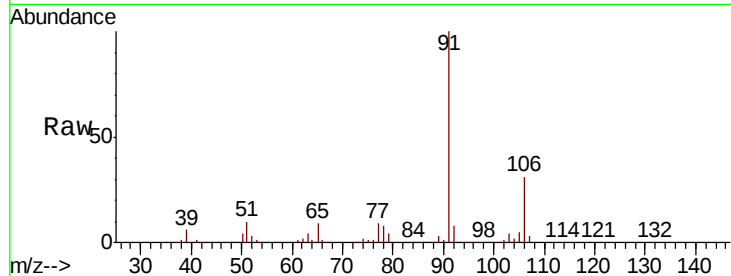
RLF-SW-5MS

Tot Ion: 91 Resp: 585025

Ion Ratio Lower Upper

91 100

106 31.0 25.9 38.9



#68

m/p-Xylenes

Concen: 98.975 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005413.D

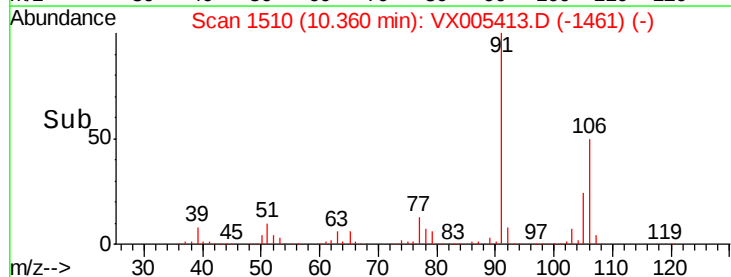
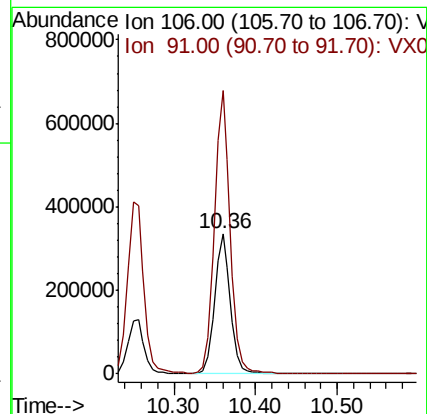
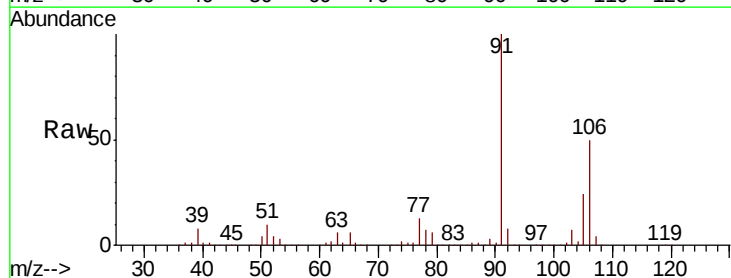
Acq: 18 Oct 2018 02:00

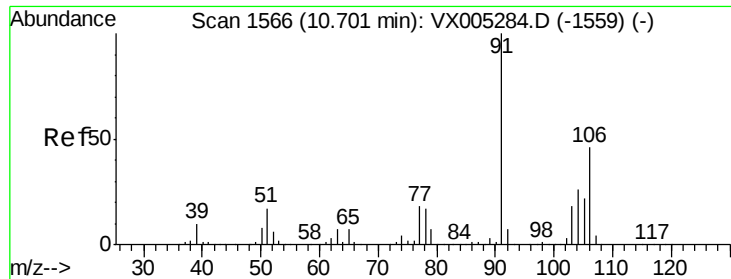
Tgt Ion: 106 Resp: 456792

Ion Ratio Lower Upper

106 100

91 202.9 157.1 235.7

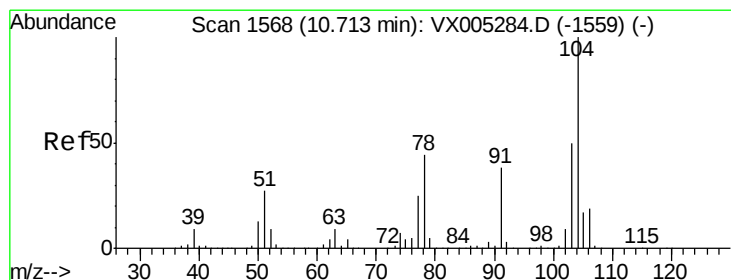
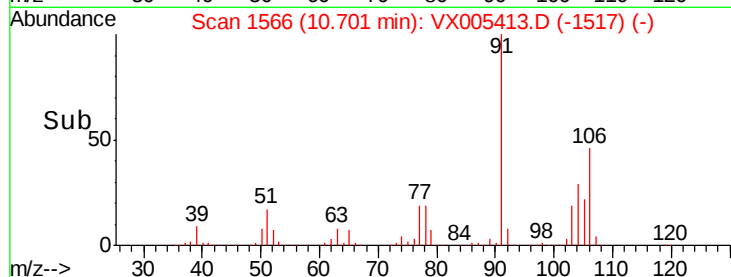
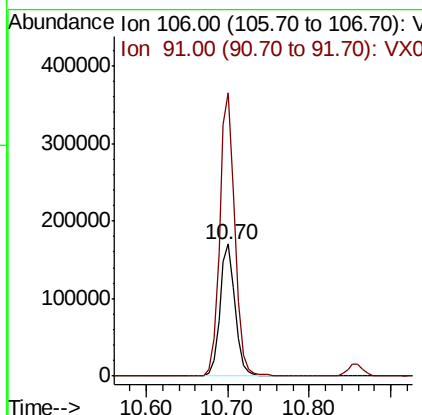
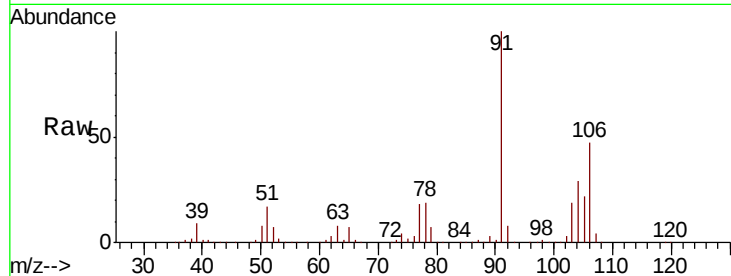




#69
o-Xylene
Concen: 49.654 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

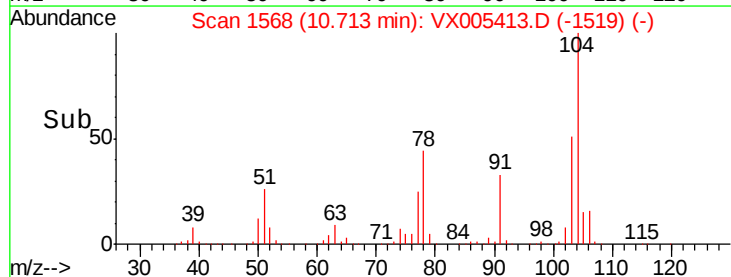
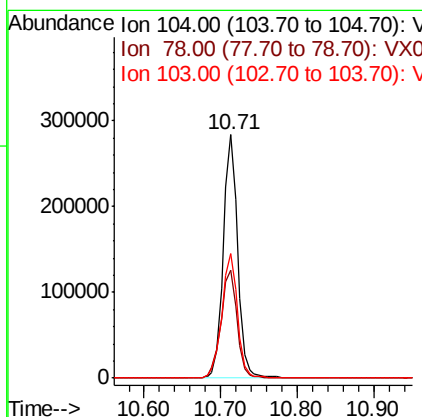
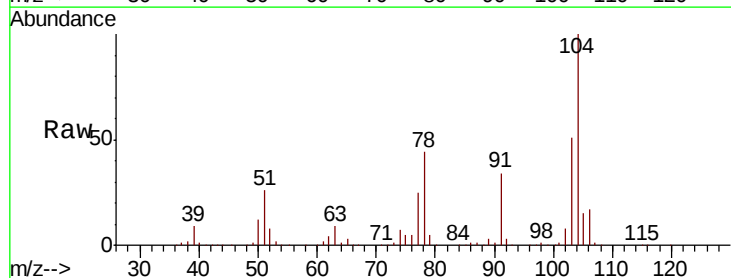
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

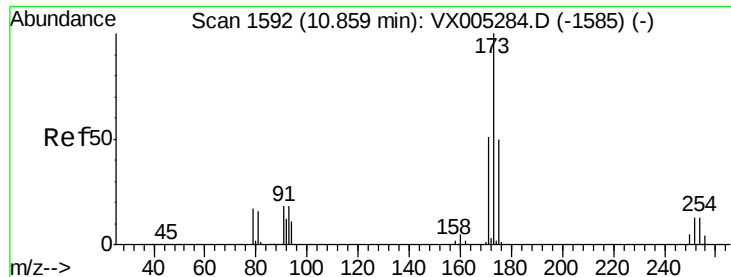
Tot Ion:106 Resp: 221013
Ion Ratio Lower Upper
106 100
91 214.5 105.1 315.1



#70
Styrene
Concen: 50.562 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:104 Resp: 370169
Ion Ratio Lower Upper
104 100
78 49.7 37.4 56.0
103 55.4 43.8 65.6





#71

Bromoform

Concen: 49.514 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

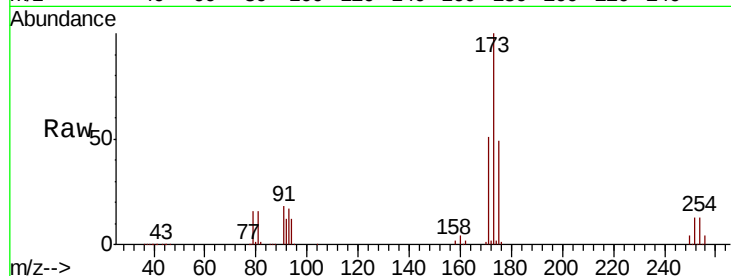
Tot Ion:173 Resp: 115333

Ion Ratio Lower Upper

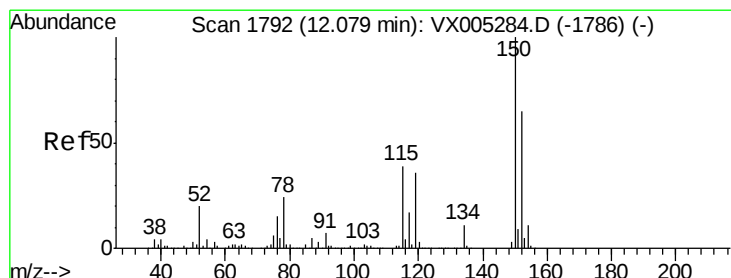
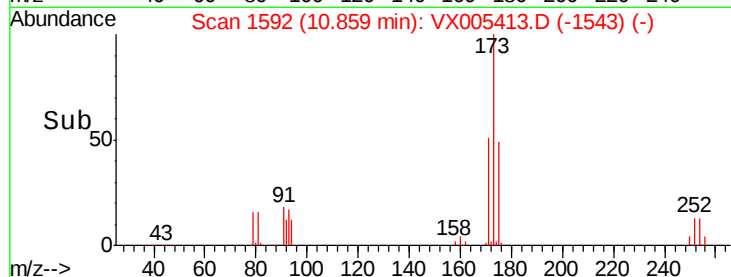
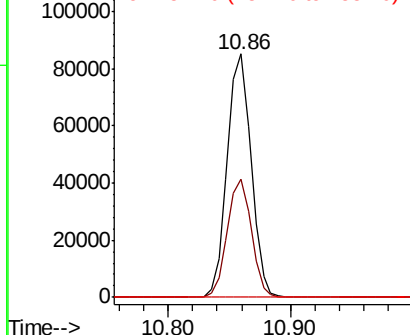
173 100

175 48.7 24.1 72.3

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

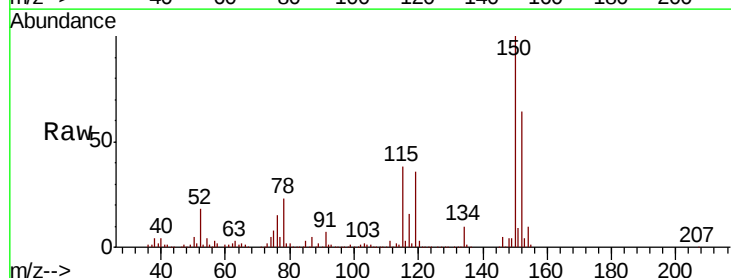
Tgt Ion:152 Resp: 194290

Ion Ratio Lower Upper

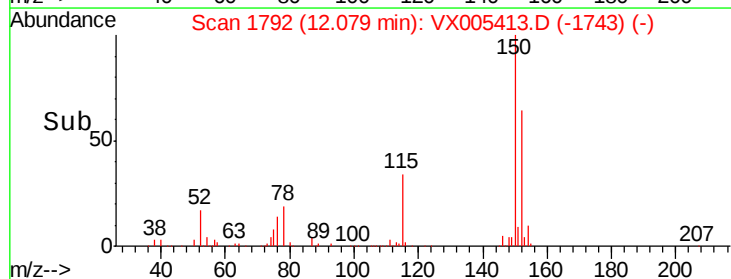
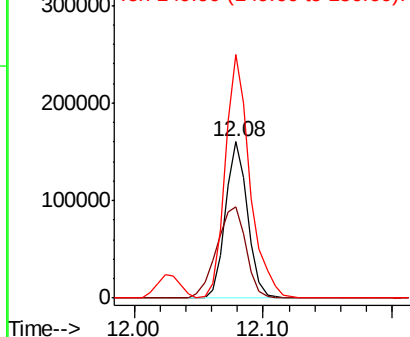
152 100

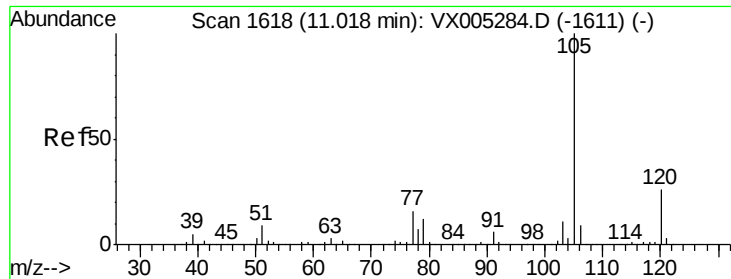
115 76.7 39.0 117.0

150 172.2 0.0 351.0



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: 51.990 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

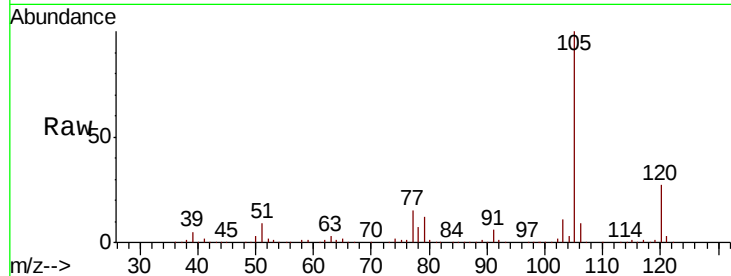
RLF-SW-5MS

Tot Ion:105 Resp: 600483

Ion Ratio Lower Upper

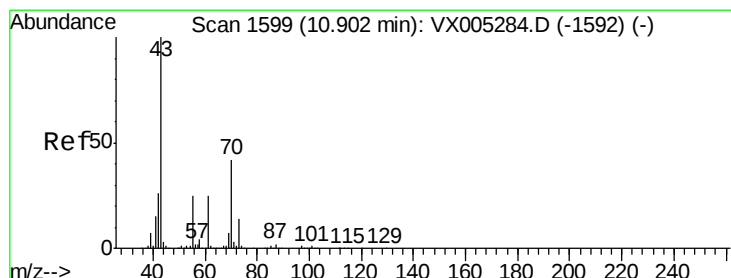
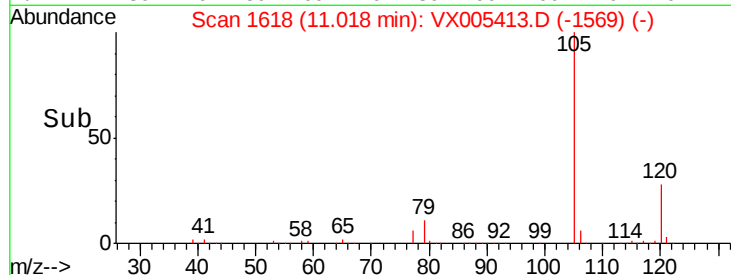
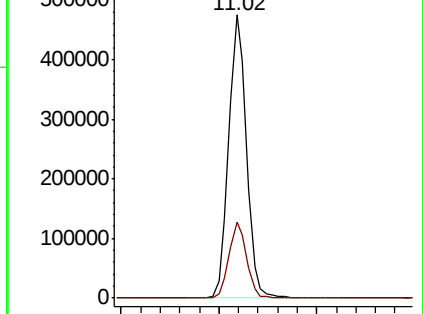
105 100

120 26.7 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-ethyl acetate

Concen: 49.495 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion: 43 Resp: 275727

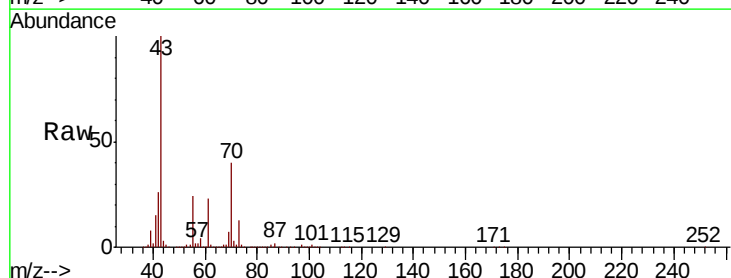
Ion Ratio Lower Upper

43 100

70 41.6 37.4 56.0

55 24.9 21.8 32.8

61 23.9 20.6 30.8

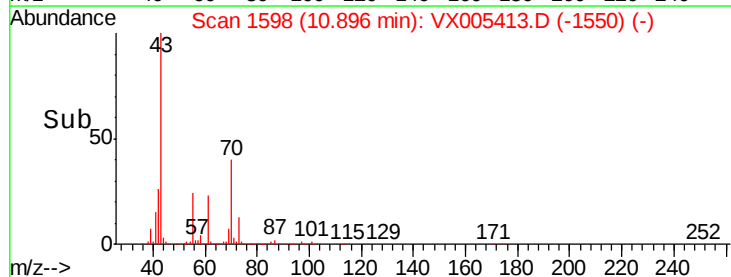
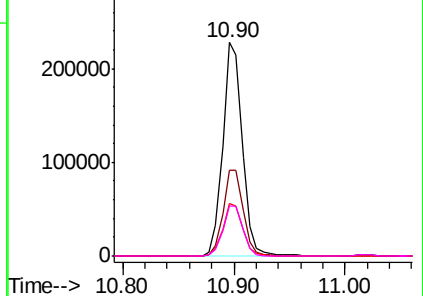


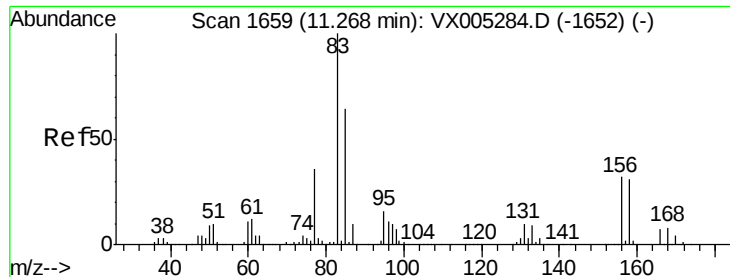
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.934 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

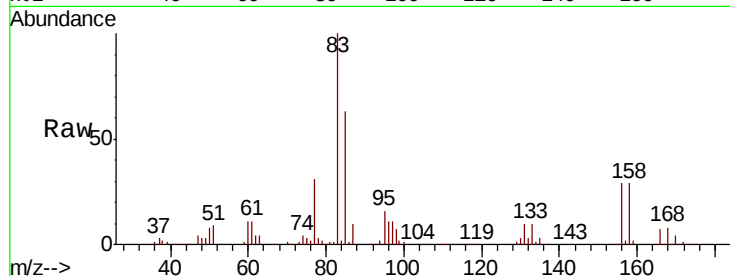
Tot Ion: 83 Resp: 208847

Ion Ratio Lower Upper

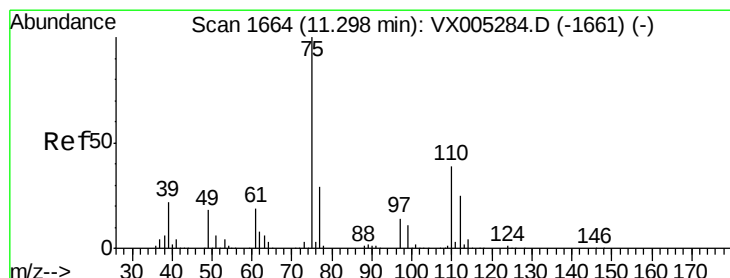
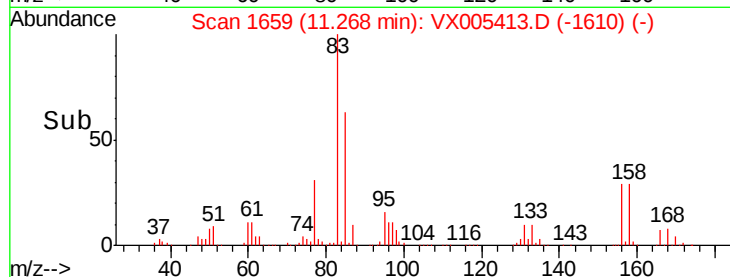
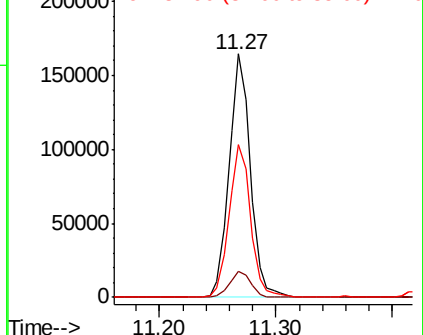
83 100

131 10.6 5.2 15.6

85 63.8 32.3 96.8



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: 63.473 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005413.D

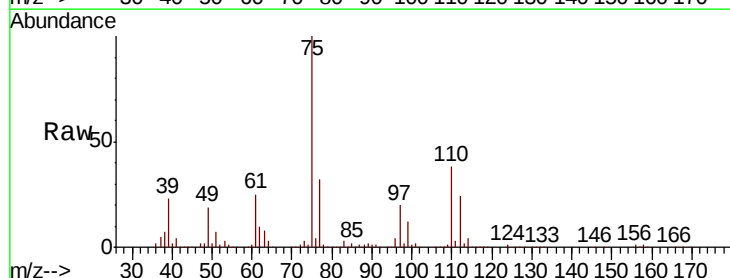
Acq: 18 Oct 2018 02:00

Tgt Ion: 75 Resp: 239209

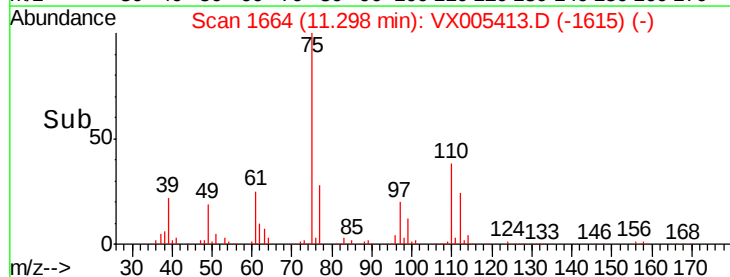
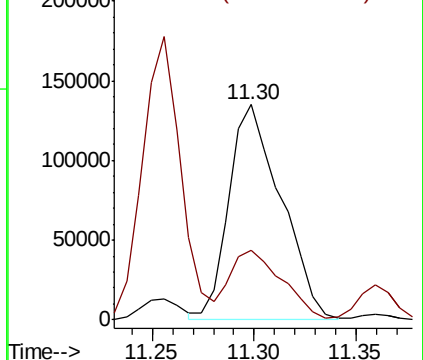
Ion Ratio Lower Upper

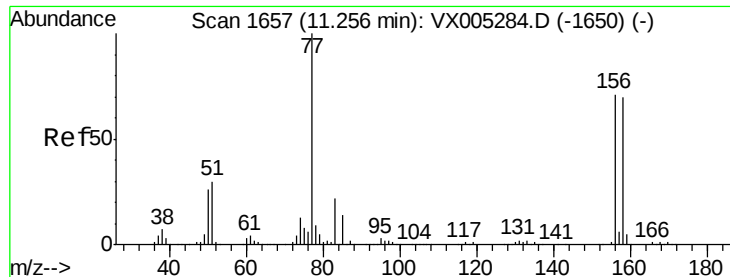
75 100

77 32.3 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.744 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

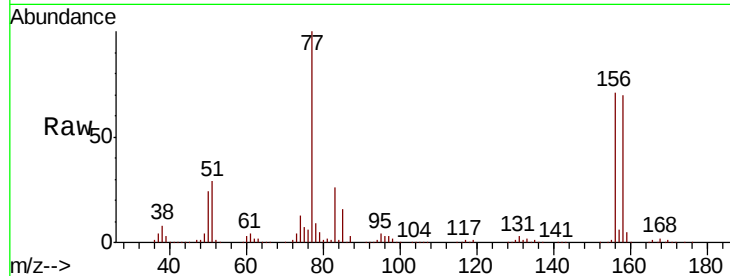
Tot Ion:156 Resp: 164277

Ion Ratio Lower Upper

156 100

77 141.3 71.5 214.3

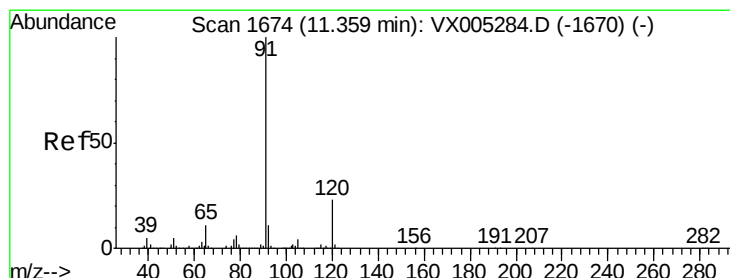
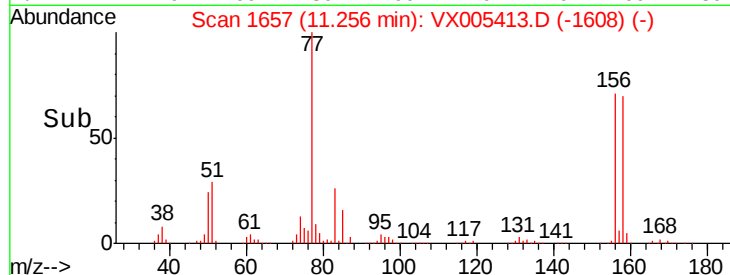
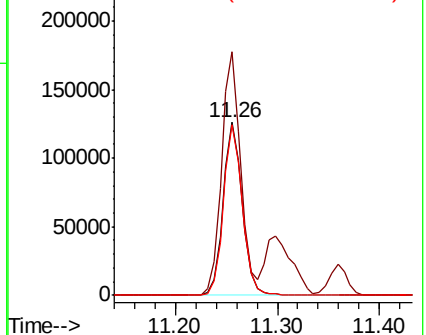
158 97.6 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.585 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005413.D

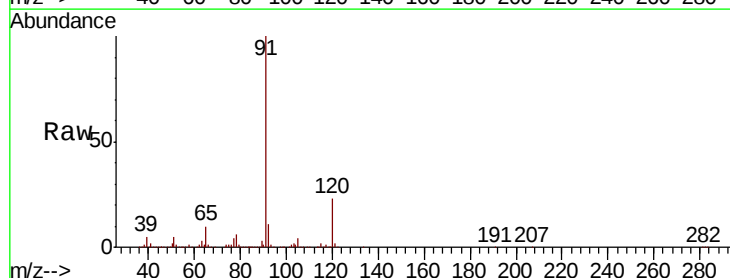
Acq: 18 Oct 2018 02:00

Tgt Ion: 91 Resp: 685615

Ion Ratio Lower Upper

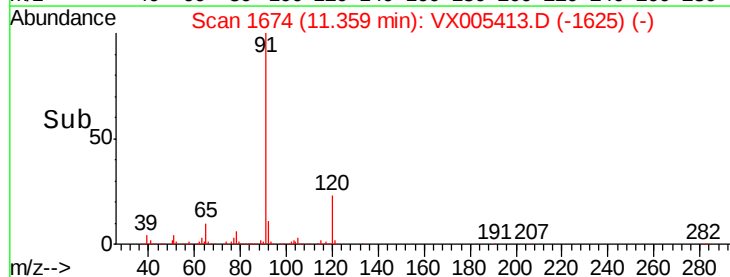
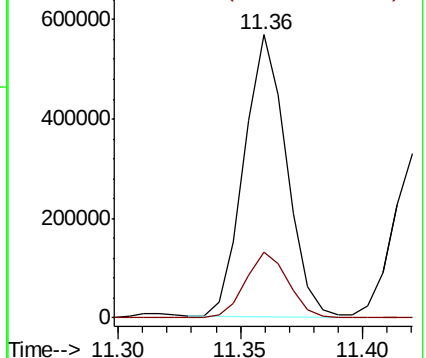
91 100

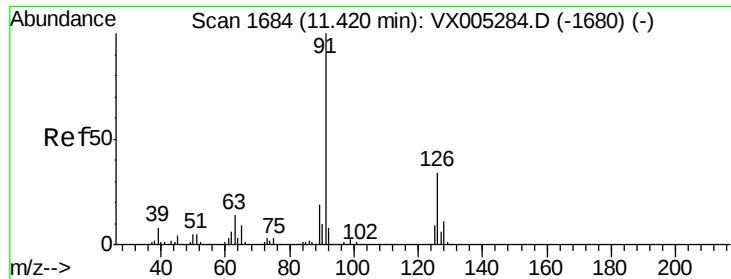
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

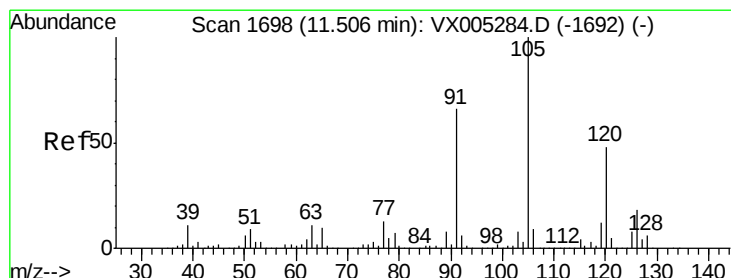
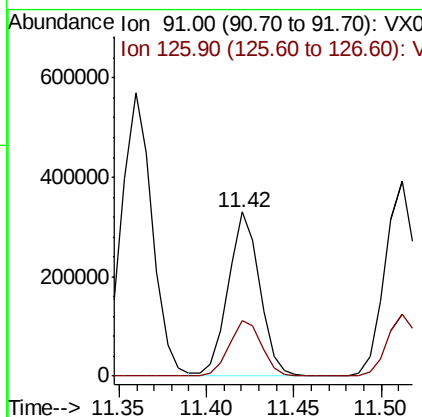
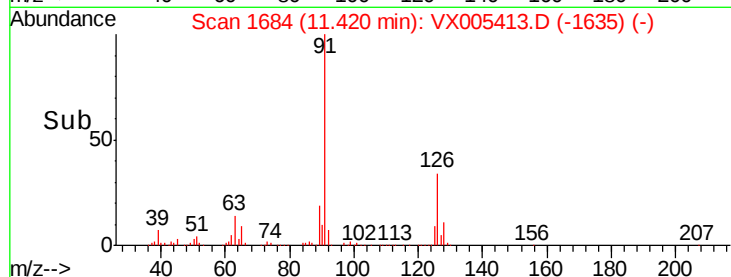
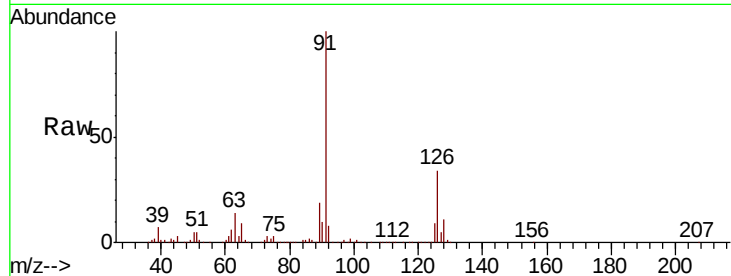




#79
 2-Chlorotoluene
 Concen: 50.382 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

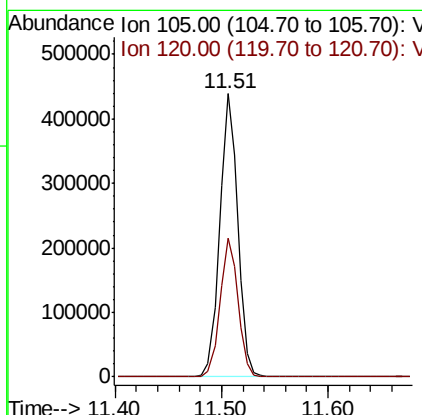
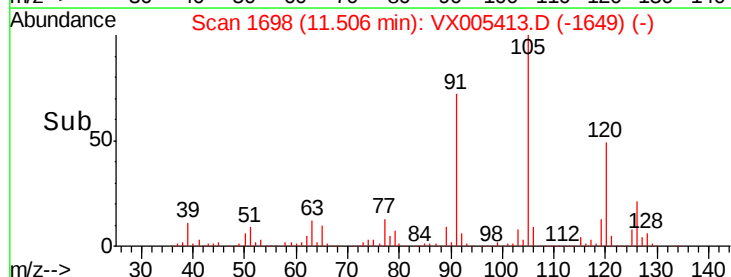
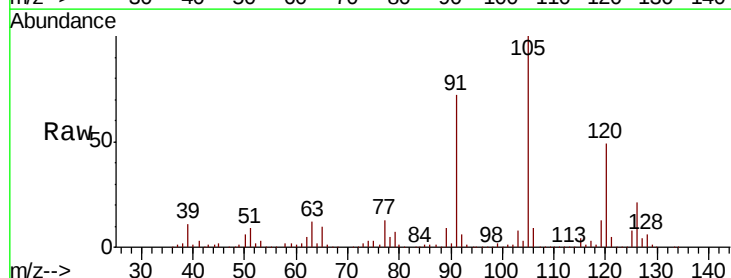
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

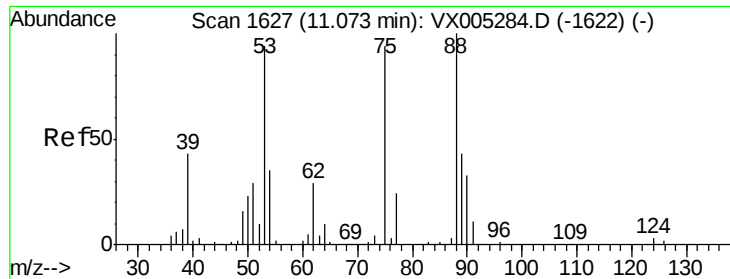
Tot Ion: 91 Resp: 410104
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.120 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 105 Resp: 515505
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.513 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

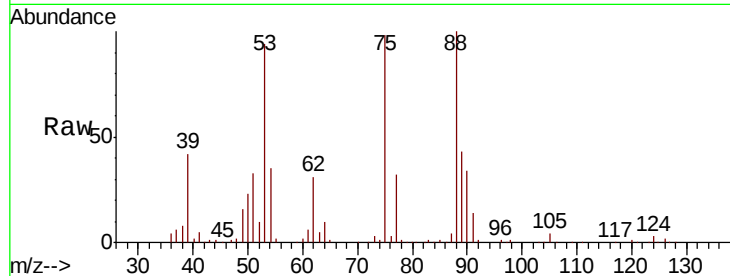
Tot Ion: 75 Resp: 56450

Ion Ratio Lower Upper

75 100

53 95.6 80.1 120.1

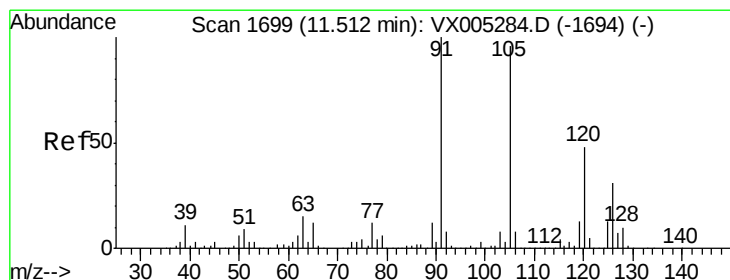
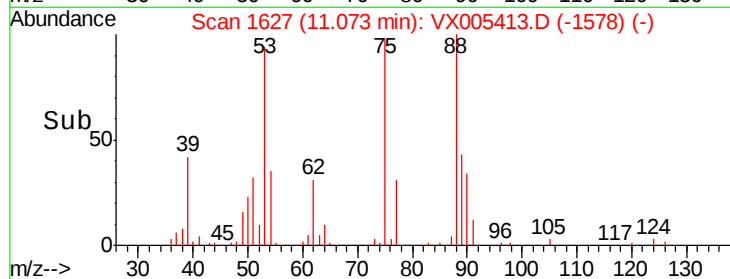
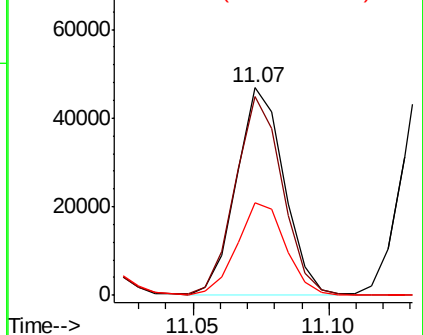
89 45.9 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.617 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005413.D

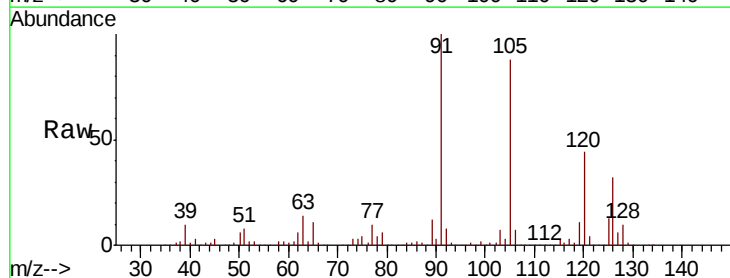
Acq: 18 Oct 2018 02:00

Tgt Ion: 91 Resp: 488416

Ion Ratio Lower Upper

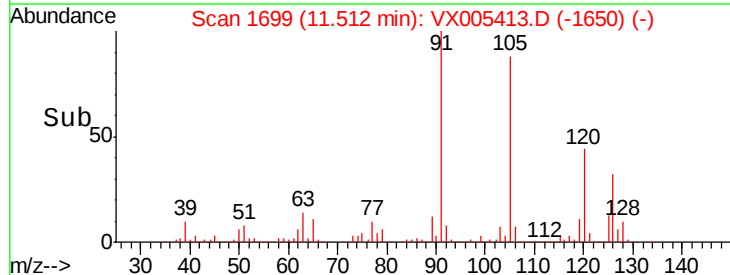
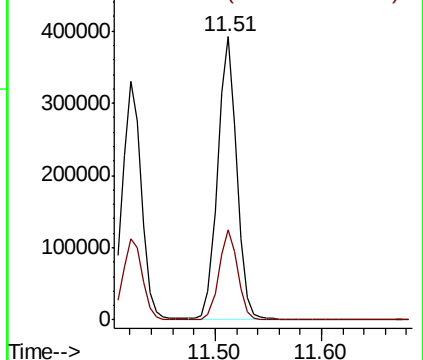
91 100

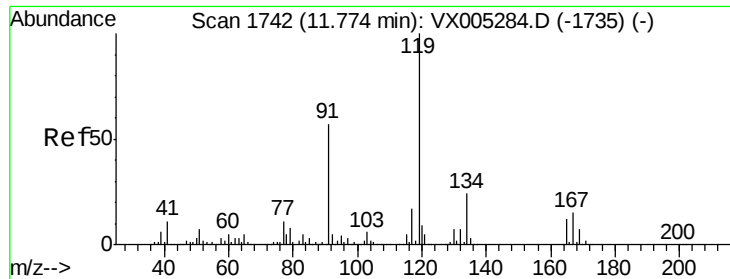
126 31.3 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

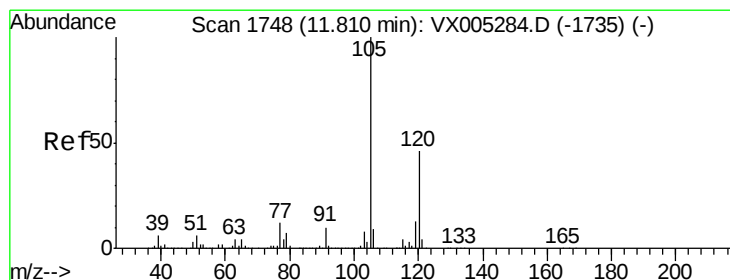
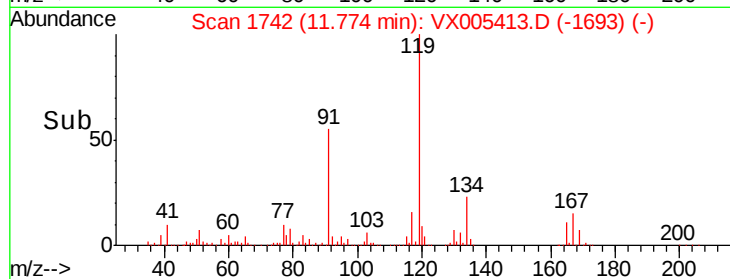
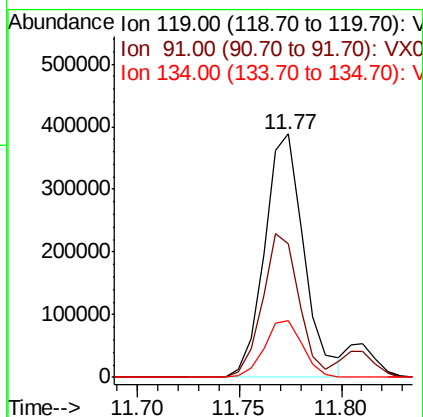
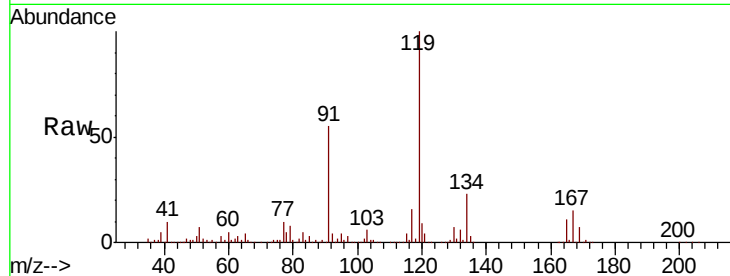




#83
 tert-Butylbenzene
 Concen: 52.167 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

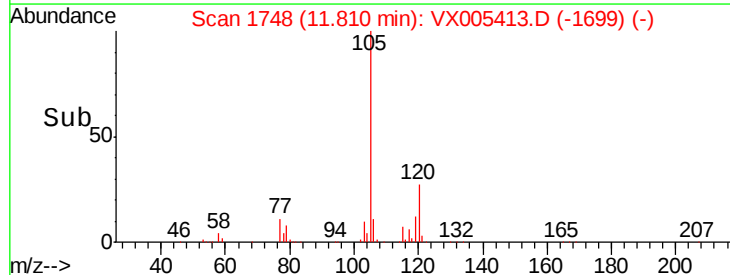
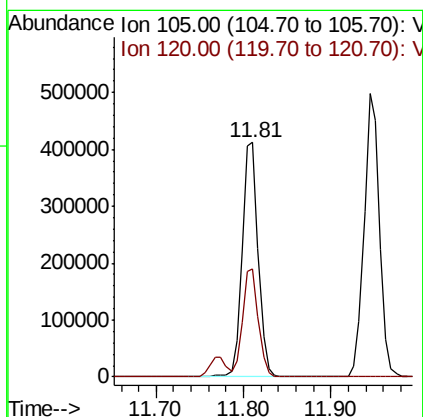
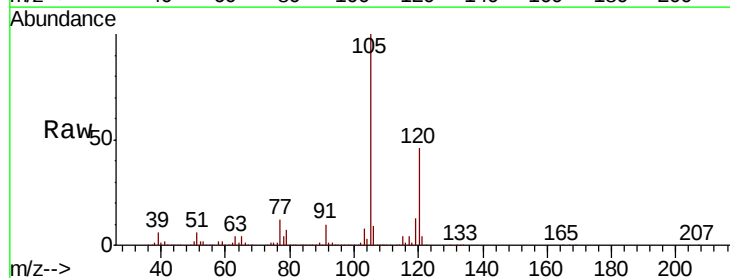
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

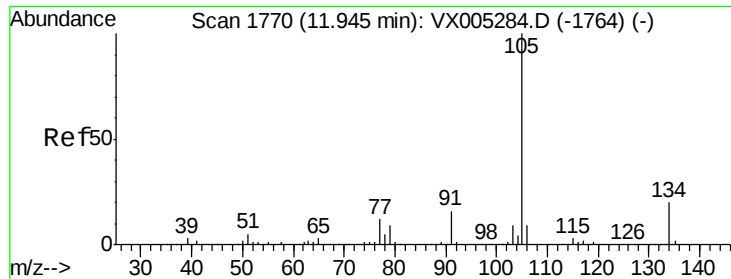
Tot Ion:119 Resp: 522500
 Ion Ratio Lower Upper
 119 100
 91 55.1 27.0 81.0
 134 22.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.879 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion:105 Resp: 528053
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 51.661 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

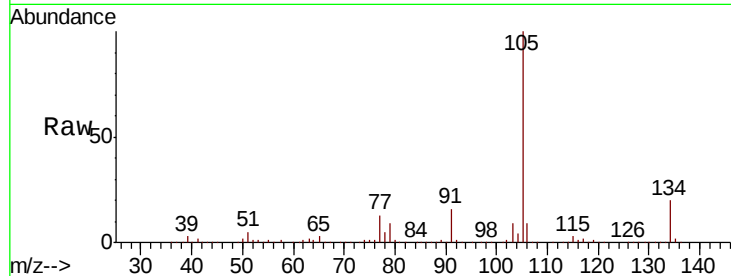
RLF-SW-5MS

Tot Ion:105 Resp: 612337

Ion Ratio Lower Upper

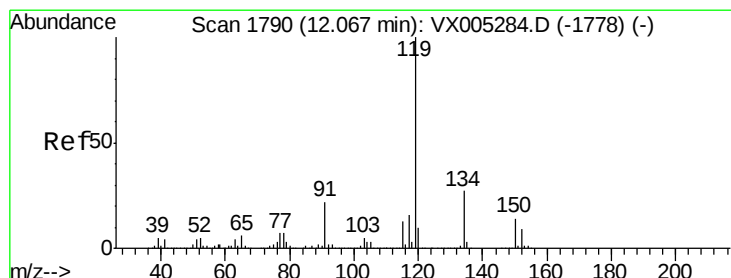
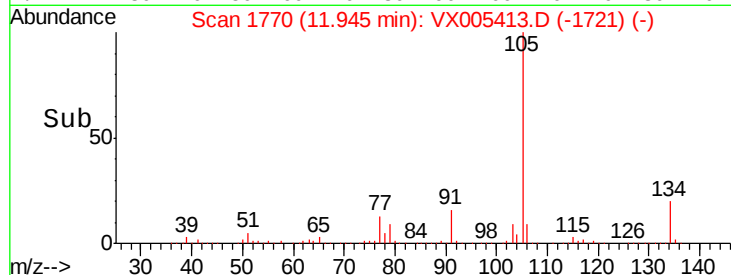
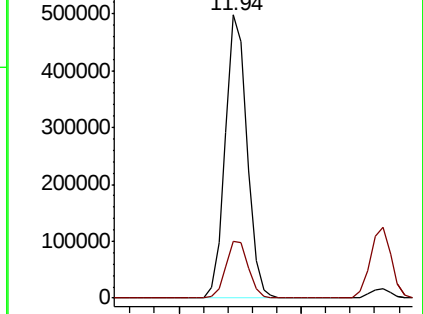
105 100

134 20.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.517 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

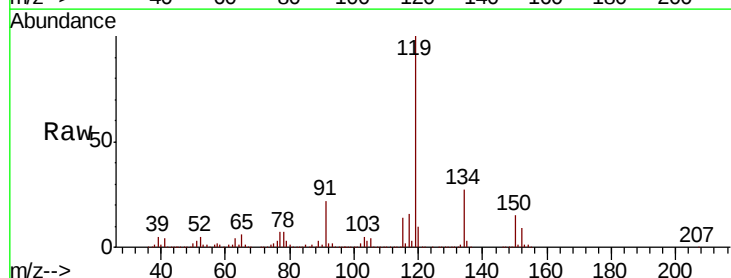
Tgt Ion:119 Resp: 562627

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

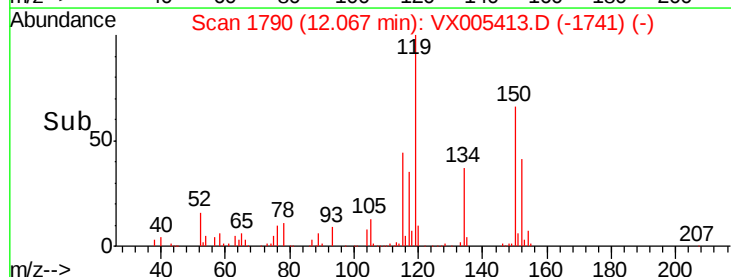
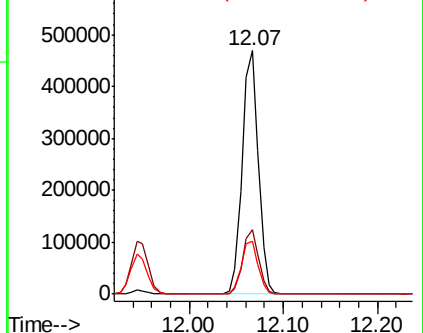
91 22.3 10.9 32.7

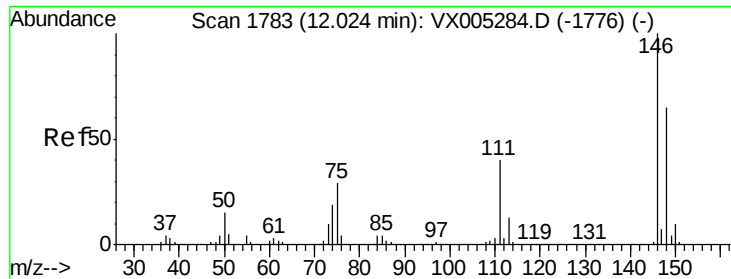


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

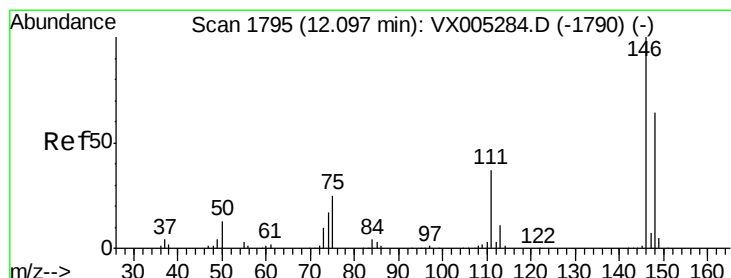
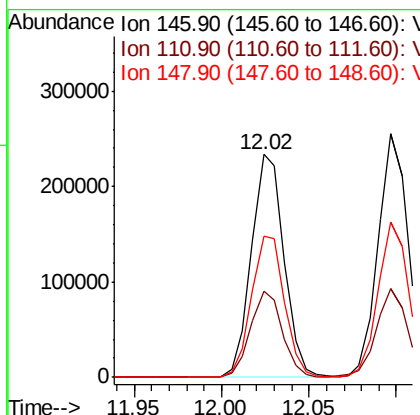
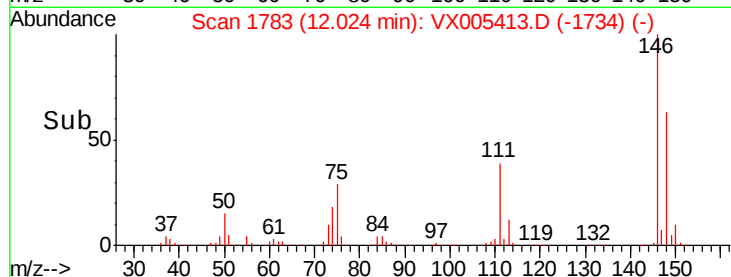
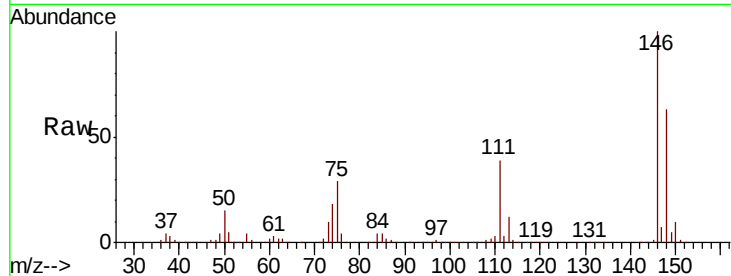




#87
 1,3-Dichlorobenzene
 Concen: 49.224 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

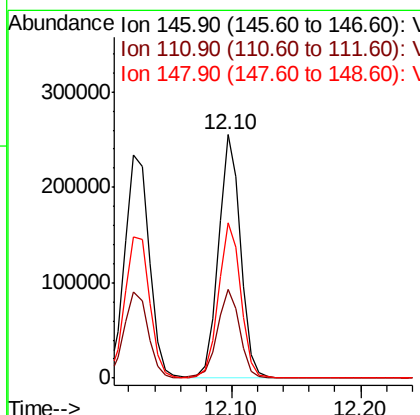
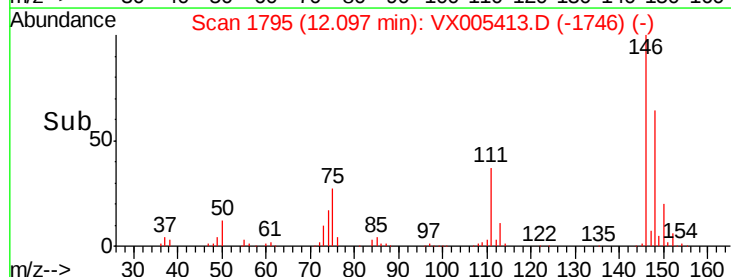
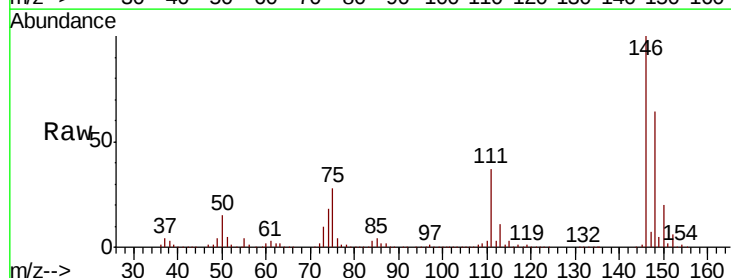
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

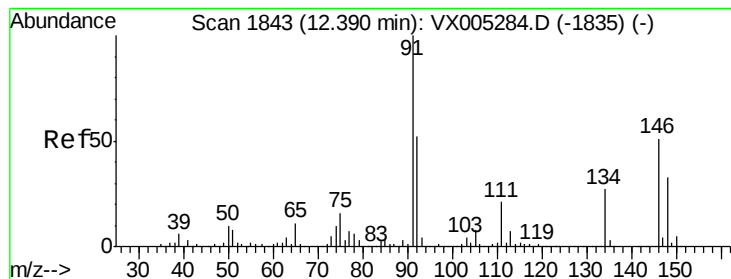
Tot Ion:146 Resp: 303761
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 64.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.633 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion:146 Resp: 307017
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 64.6 32.0 96.0





#89

n-Butylbenzene

Concen: 49.970 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

RLF-SW-5MS

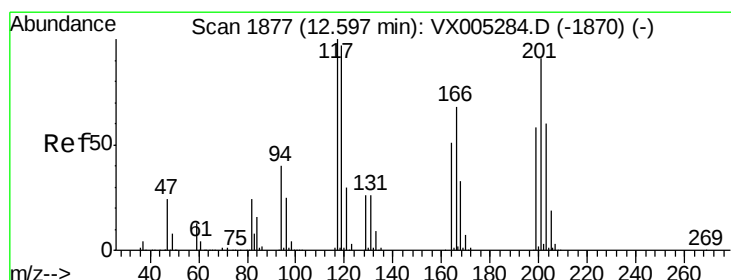
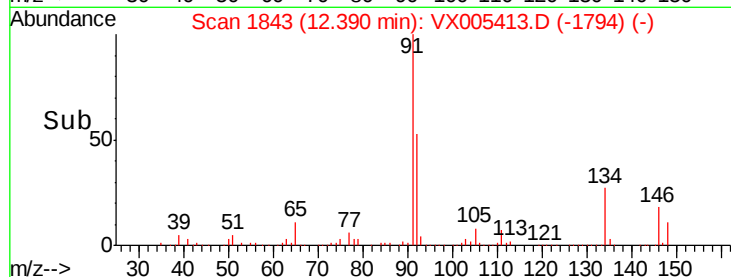
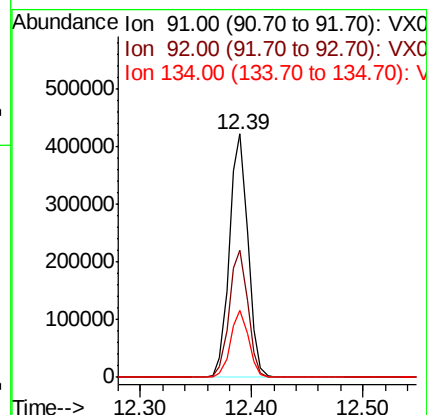
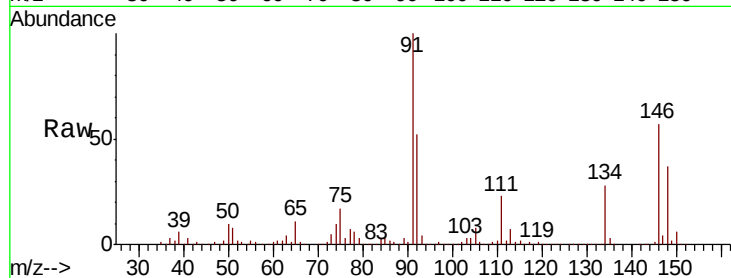
Tot Ion: 91 Resp: 486070

Ion Ratio Lower Upper

91 100

92 52.6 27.3 81.9

134 27.0 13.6 40.7



#90

Hexachloroethane

Concen: 49.502 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005413.D

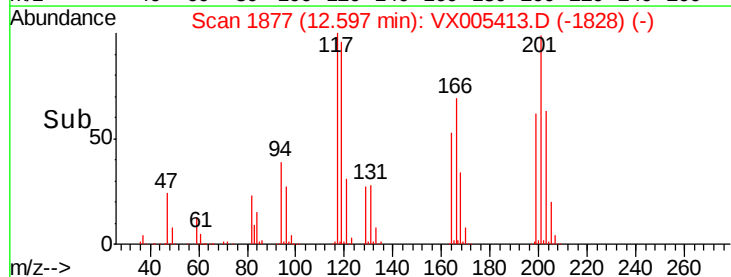
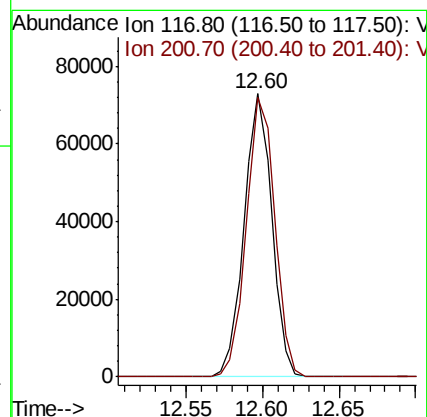
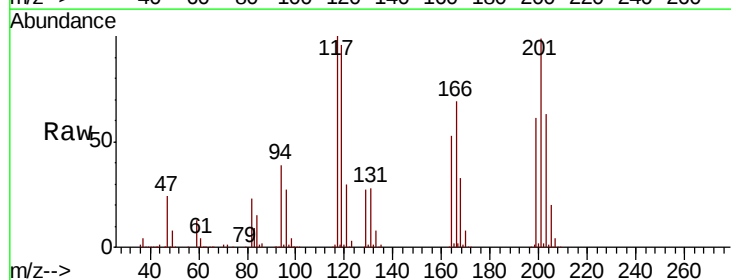
Acq: 18 Oct 2018 02:00

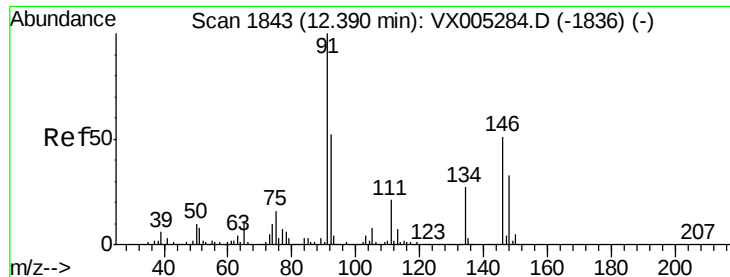
Tgt Ion: 117 Resp: 91397

Ion Ratio Lower Upper

117 100

201 101.4 46.9 140.6

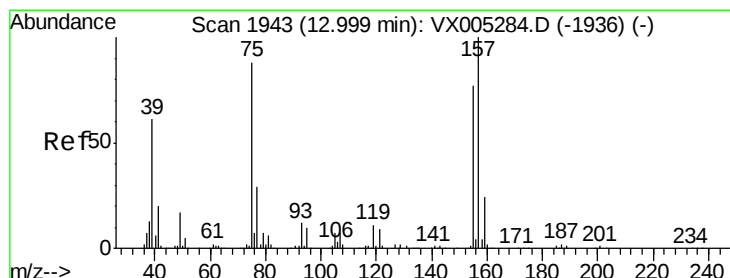
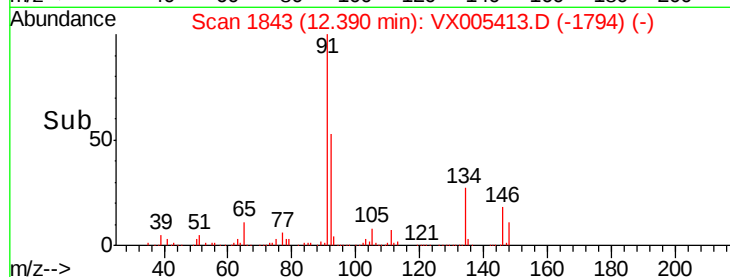
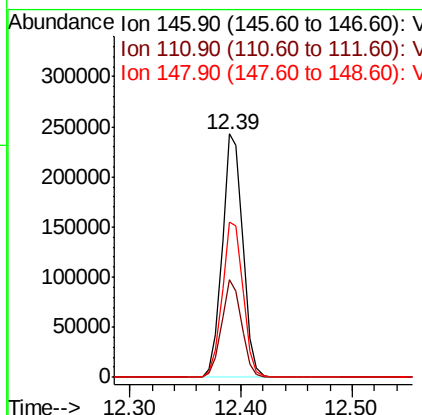
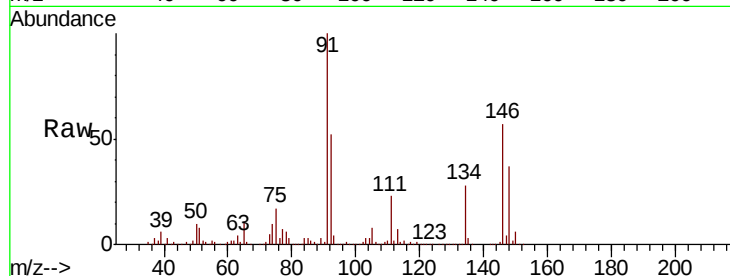




#91
 1,2-Dichlorobenzene
 Concen: 48.965 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

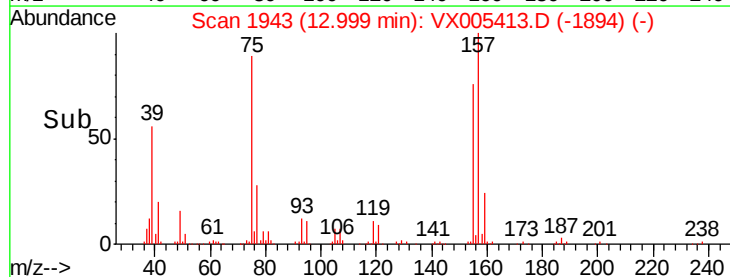
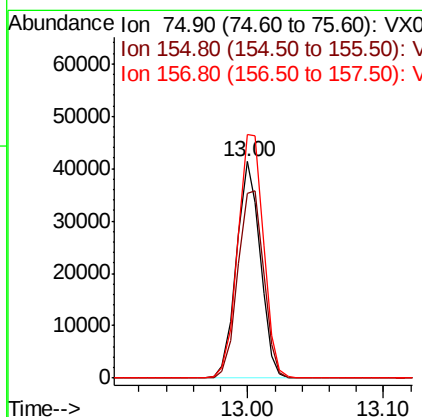
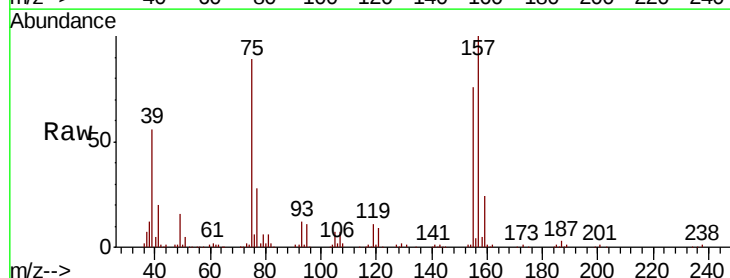
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

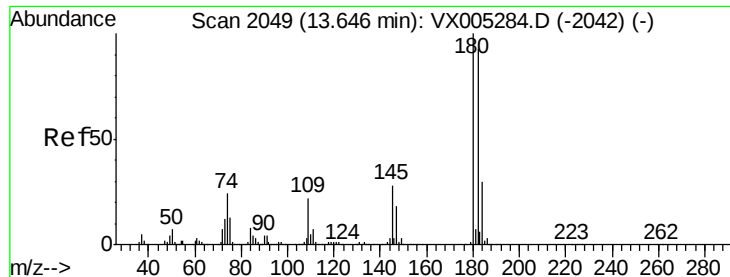
Tot Ion:146 Resp: 308353
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.1
 148 64.6 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.284 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 75 Resp: 50253
 Ion Ratio Lower Upper
 75 100
 155 94.0 48.0 144.2
 157 121.7 61.4 184.1

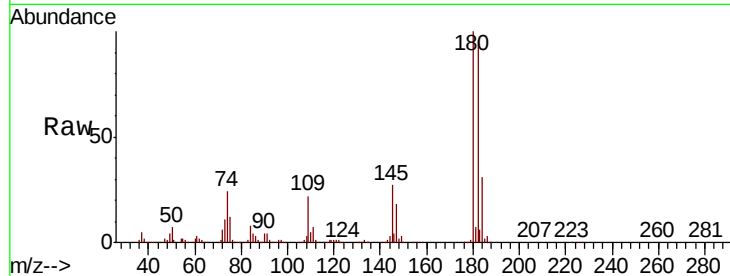




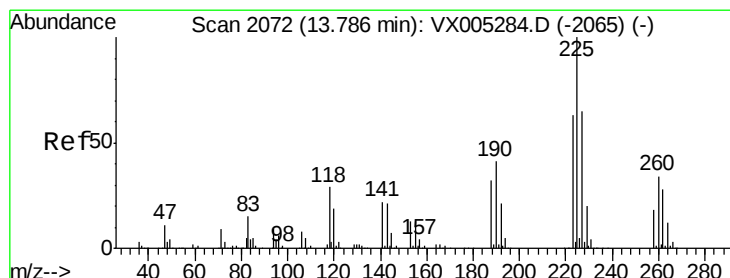
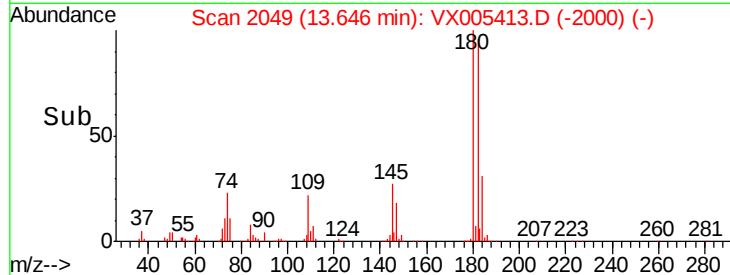
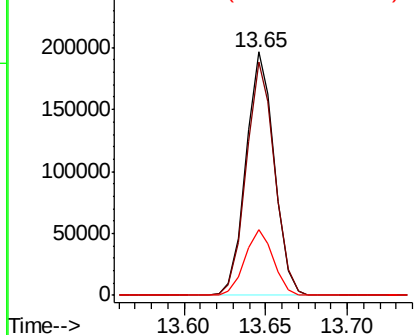
#93
 1,2,4-Trichlorobenzene
 Concen: 51.476 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tot Ion:180 Resp: 237830
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.4 145.0
 145 27.1 14.3 42.9

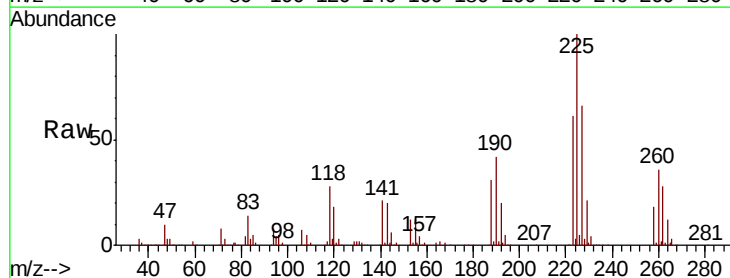


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

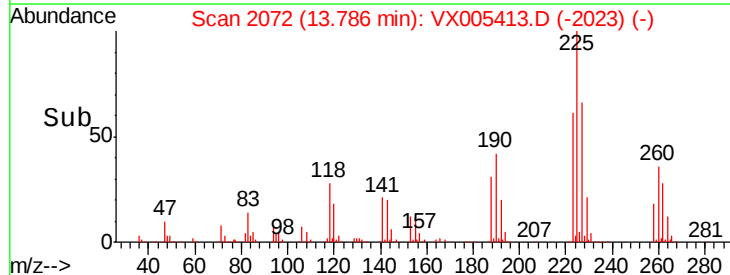
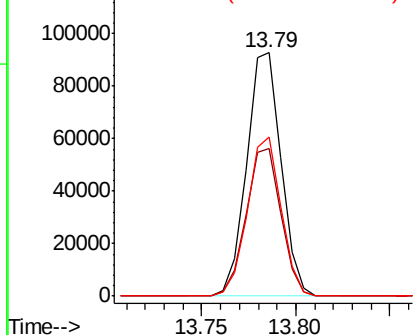


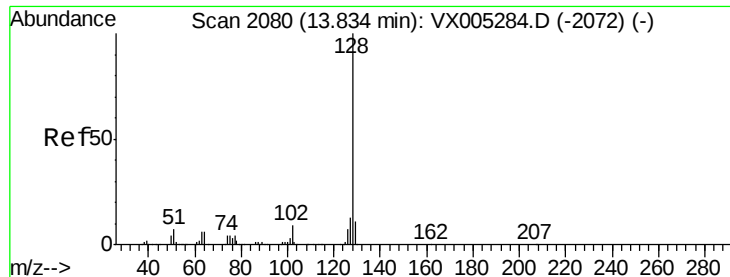
#94
 Hexachlorobutadiene
 Concen: 48.122 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion:225 Resp: 117424
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.1 90.5
 227 63.9 30.8 92.4



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

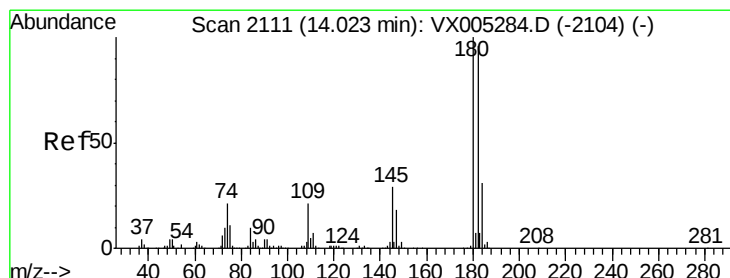
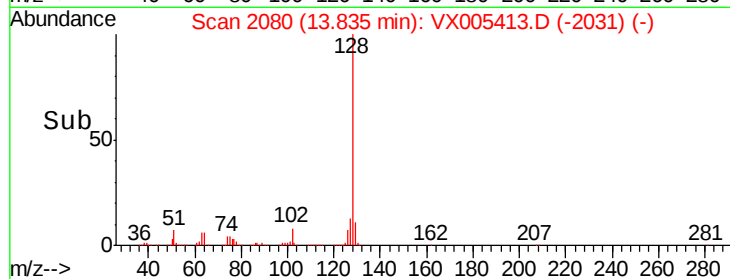
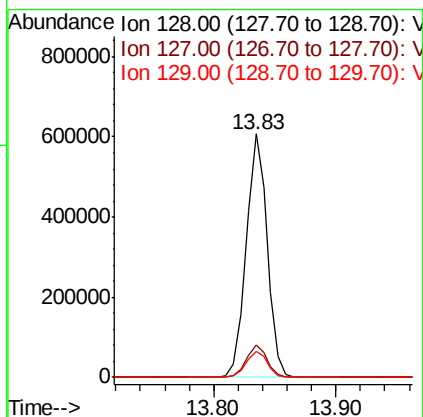
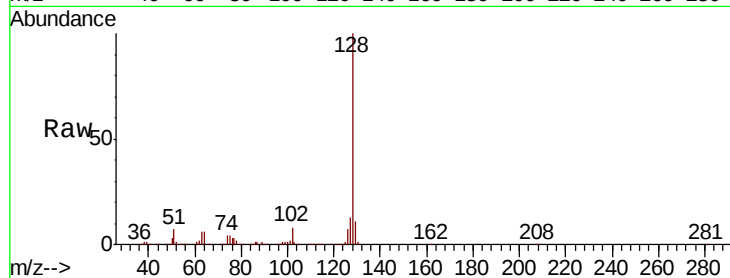




#95
Naphthalene
Concen: 53.766 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tot Ion:128 Resp: 720422
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.333 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:180 Resp: 242669
Ion Ratio Lower Upper
180 100
182 96.0 48.5 145.6
145 29.1 14.9 44.9

