

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005411.D
 Acq On : 18 Oct 2018 01:07
 Operator : JC/MD
 Sample : J5569-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Quant Time: Oct 18 11:04:32 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	5.66	168	235478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	132740	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	5.50	113	109830	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	8.71	98	409776	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.14	95	156721	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88845	48.255	ug/l	97
3) Chloromethane	1.32	50	123238	46.195	ug/l	100
4) Vinyl Chloride	1.40	62	132087	48.876	ug/l	98
5) Bromomethane	1.64	94	73707	48.311	ug/l	98
6) Chloroethane	1.71	64	86992	55.027	ug/l	100
7) Trichlorofluoromethane	1.92	101	185027	51.305	ug/l	96
8) Diethyl Ether	2.19	74	91999	59.737	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	107381	51.587	ug/l	96
10) Methyl Iodide	2.51	142	132766	57.763	ug/l	99
11) Tert butyl alcohol	3.08	59	188206	255.294	ug/l	100
12) 1,1-Dichloroethene	2.37	96	107483	52.116	ug/l	94
13) Acrolein	2.29	56	84490	178.987	ug/l	97
14) Allyl chloride	2.72	41	231319	51.086	ug/l	95
15) Acrylonitrile	3.15	53	435007	260.393	ug/l	98
16) Acetone	2.45	43	402926	266.651	ug/l #	86
17) Carbon Disulfide	2.56	76	292283	46.783	ug/l	99
18) Methyl Acetate	2.78	43	234772	54.611	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	406837	56.010	ug/l	98
20) Methylene Chloride	2.85	84	129077	58.857	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	115571	50.565	ug/l	97
22) Diisopropyl ether	3.87	45	390241	51.311	ug/l	96
23) Vinyl Acetate	3.82	43	1713718	257.803	ug/l	97
24) 1,1-Dichloroethane	3.70	63	234353	53.766	ug/l	98
25) 2-Butanone	4.70	43	555507	251.263	ug/l	95
26) 2,2-Dichloropropane	4.58	77	134797	41.351	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	125665	50.591	ug/l	98
28) Bromochloromethane	5.01	49	105346	53.017	ug/l	95
29) Tetrahydrofuran	5.15	42	364221	258.267	ug/l	94
30) Chloroform	5.21	83	211012	52.157	ug/l	99
31) Cyclohexane	5.57	56	173422	48.273	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	182397	51.813	ug/l	99
36) 1,1-Dichloropropene	5.80	75	151570	45.109	ug/l	99
37) Ethyl Acetate	4.85	43	200426	46.382	ug/l	98
38) Carbon Tetrachloride	5.78	117	158795	47.034	ug/l	98

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 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	171415	47.136	ug/l	97
40) Benzene	6.14	78	466479	46.279	ug/l	100
41) Methacrylonitrile	5.05	41	119300	51.498	ug/l	95
42) 1,2-Dichloroethane	6.20	62	169363	47.586	ug/l	97
43) Isopropyl Acetate	6.46	43	305442	53.063	ug/l	97
44) Trichloroethene	7.21	130	127709	49.617	ug/l	98
45) 1,2-Dichloropropane	7.52	63	127049	51.384	ug/l	99
46) Dibromomethane	7.66	93	82861	50.776	ug/l	98
47) Bromodichloromethane	7.90	83	161908	53.638	ug/l	99
48) Methyl methacrylate	7.77	41	159433	53.403	ug/l	95
49) 1,4-Dioxane	7.76	88	65332	948.778	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1086469	272.593	ug/l	95
52) Toluene	8.79	92	295725	53.627	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	176706	54.094	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	184847	52.223	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	126031	53.959	ug/l	96
56) Ethyl methacrylate	9.18	69	197498	58.003	ug/l	96
57) 1,3-Dichloropropane	9.37	76	208656	53.523	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.28	63	867	0.454	ug/l #	45
59) 2-Hexanone	9.50	43	857546	267.473	ug/l	94
60) Dibromochloromethane	9.59	129	134390	55.664	ug/l	100
61) 1,2-Dibromoethane	9.67	107	130842	53.378	ug/l	100
64) Tetrachloroethene	9.34	164	123376	47.014	ug/l	98
65) Chlorobenzene	10.14	112	350040	50.483	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	127527	51.611	ug/l	99
67) Ethyl Benzene	10.25	91	580060	51.460	ug/l	97
68) m/p-Xylenes	10.36	106	449914	102.835	ug/l	95
69) o-Xylene	10.70	106	219801	52.092	ug/l	99
70) Styrene	10.71	104	372717	53.704	ug/l	98
71) Bromoform	10.86	173	114126	51.685	ug/l	99
73) Isopropylbenzene	11.02	105	597160	53.214	ug/l	99
74) N-amyl acetate	10.90	43	284939	52.645	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	211812	50.036	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	241668	66.000	ug/l	87
77) Bromobenzene	11.26	156	163384	50.920	ug/l	99
78) n-propylbenzene	11.36	91	676828	52.413	ug/l	100
79) 2-Chlorotoluene	11.42	91	400752	50.673	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	505742	52.628	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	56094	46.548	ug/l	98
82) 4-Chlorotoluene	11.51	91	479073	51.101	ug/l	100
83) tert-Butylbenzene	11.77	119	516055	53.030	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	525633	53.151	ug/l	99
85) sec-Butylbenzene	11.94	105	604503	52.491	ug/l	99
86) p-Isopropyltoluene	12.07	119	547518	52.601	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	302858	50.512	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	309377	50.439	ug/l	99
89) n-Butylbenzene	12.39	91	480168	50.807	ug/l	98
90) Hexachloroethane	12.60	117	91227	50.855	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	308970	50.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50358	48.768	ug/l	99

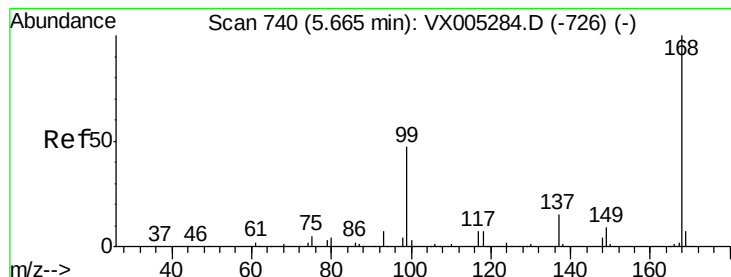
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	236697	52.729	ug/l	99
94) Hexachlorobutadiene	13.79	225	115894	48.883	ug/l	97
95) Naphthalene	13.83	128	719608	55.276	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	242056	52.700	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

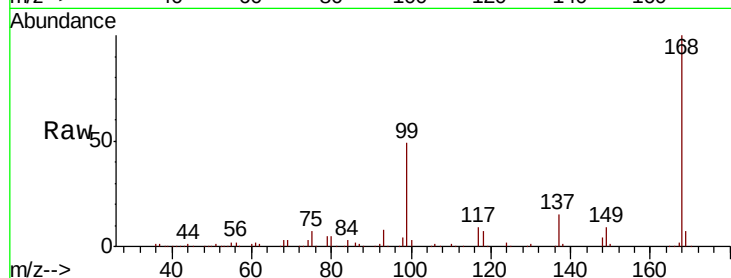
RLF-GW-9SMS

Tot Ion:168 Resp: 235478

Ion Ratio Lower Upper

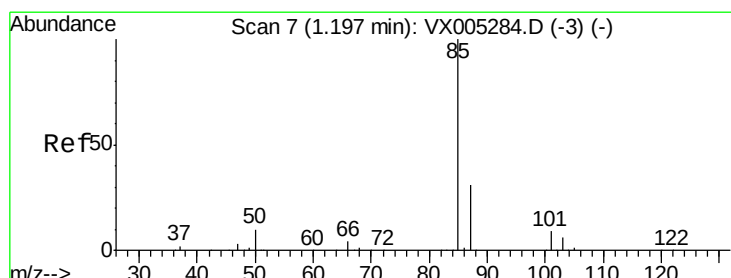
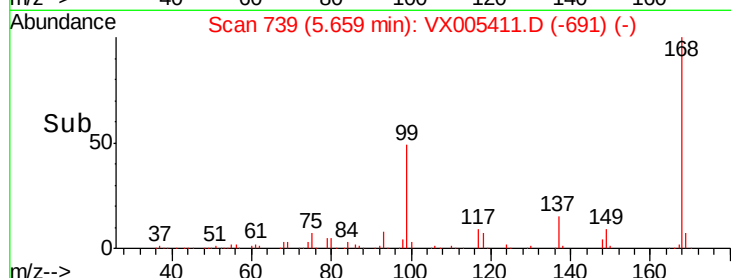
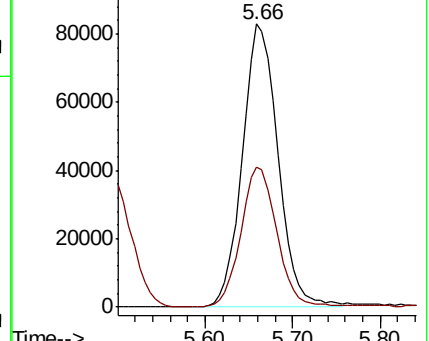
168 100

99 49.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.255 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005411.D

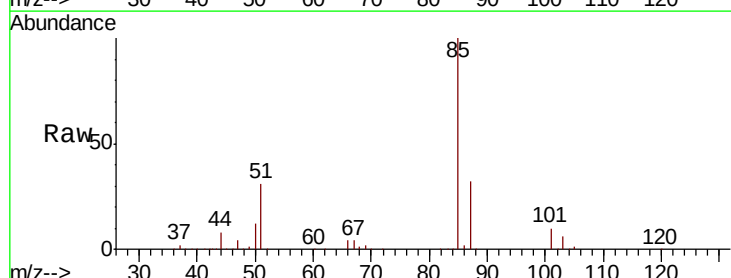
Acq: 18 Oct 2018 01:07

Tgt Ion: 85 Resp: 88845

Ion Ratio Lower Upper

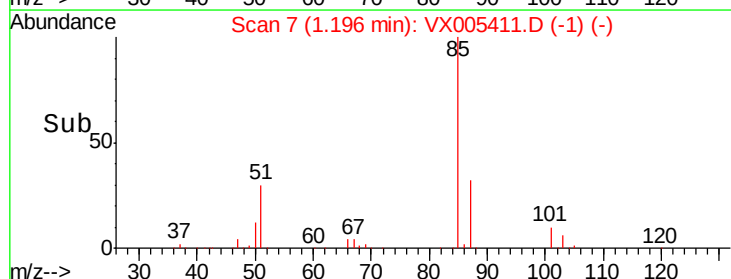
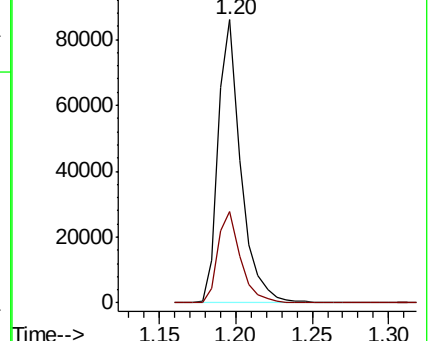
85 100

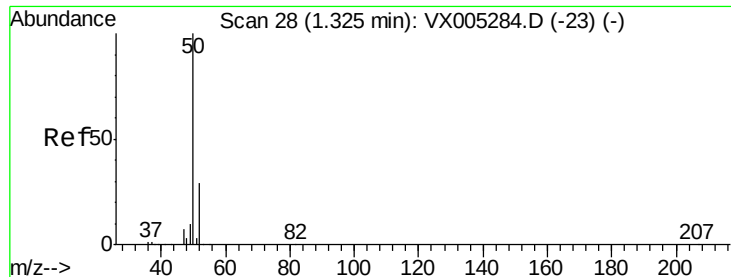
87 32.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.195 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

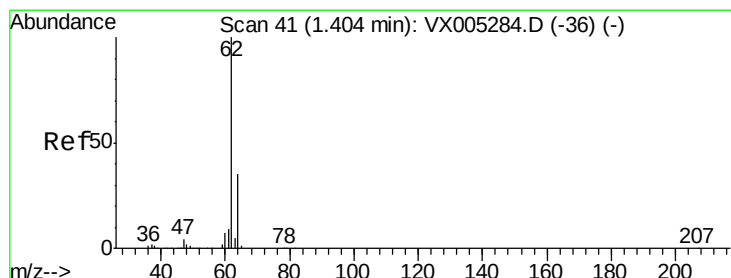
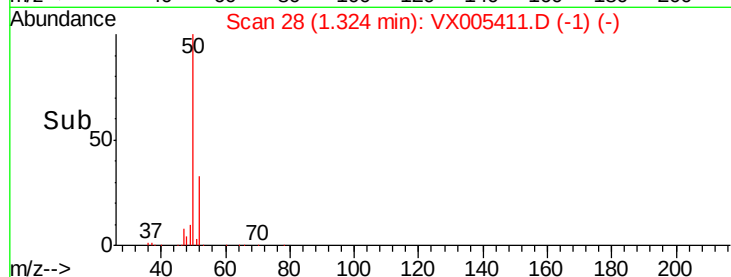
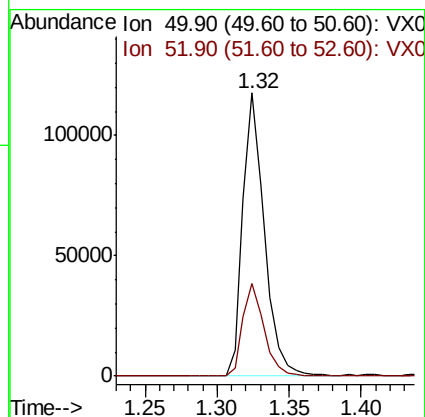
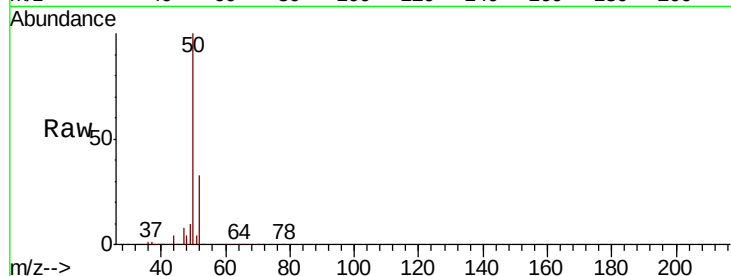
RLF-GW-9SMS

Tot Ion: 50 Resp: 123238

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.2



#4

Vinyl Chloride

Concen: 48.876 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005411.D

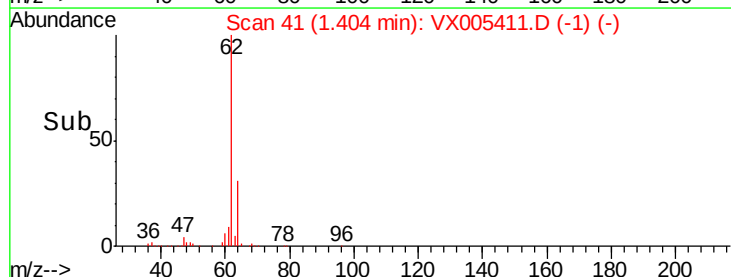
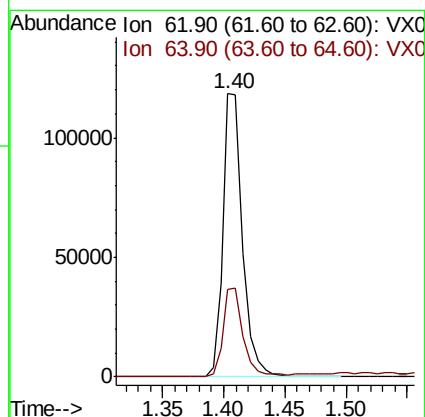
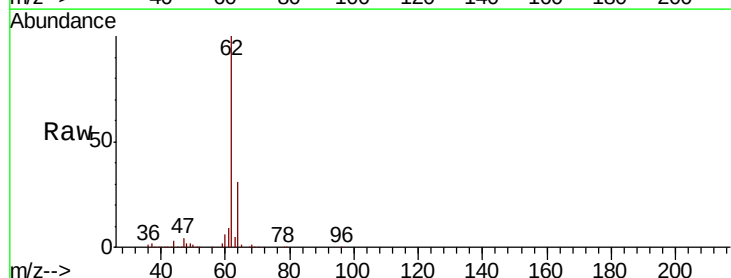
Acq: 18 Oct 2018 01:07

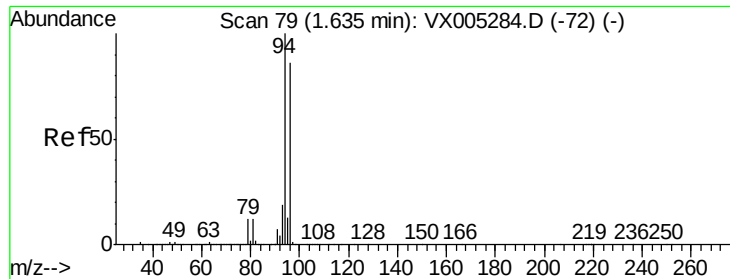
Tgt Ion: 62 Resp: 132087

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 48.311 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

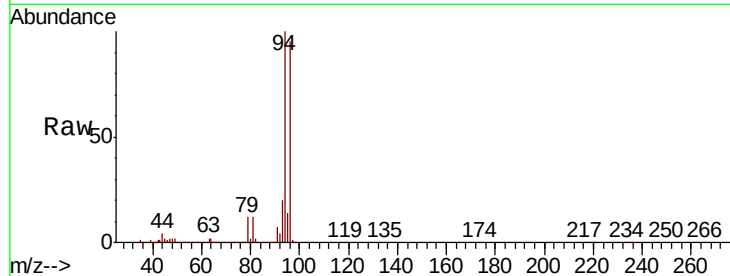
RLF-GW-9SMS

Tot Ion: 94 Resp: 73707

Ion Ratio Lower Upper

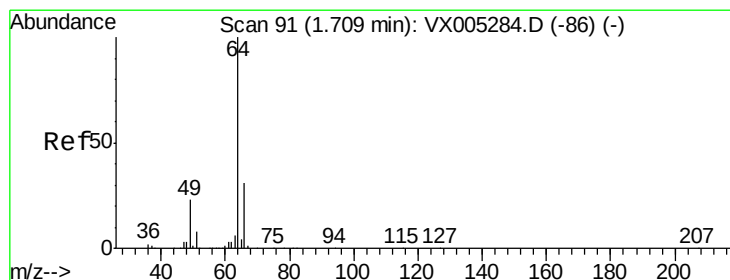
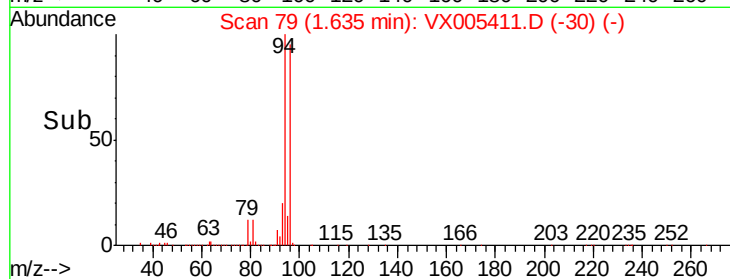
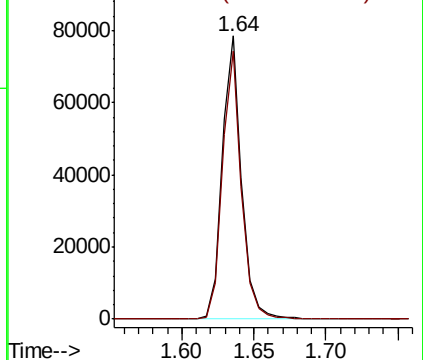
94 100

96 94.5 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: 55.027 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005411.D

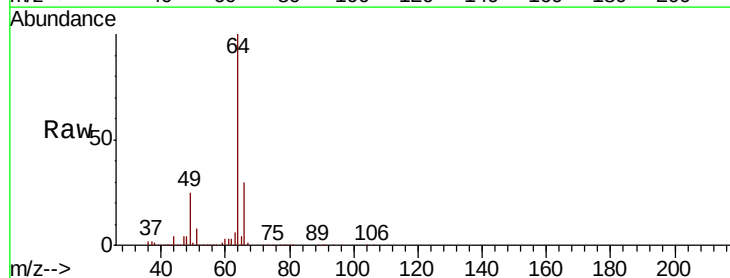
Acq: 18 Oct 2018 01:07

Tgt Ion: 64 Resp: 86992

Ion Ratio Lower Upper

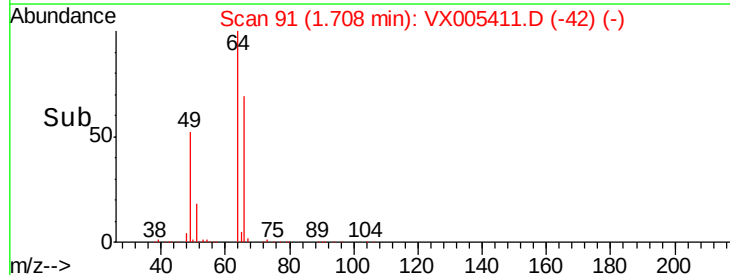
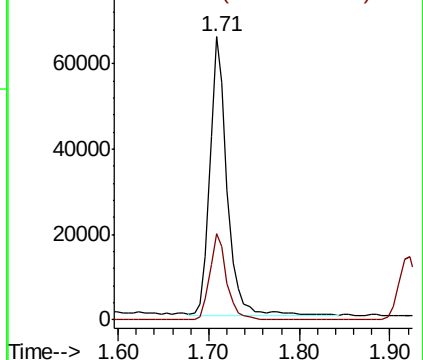
64 100

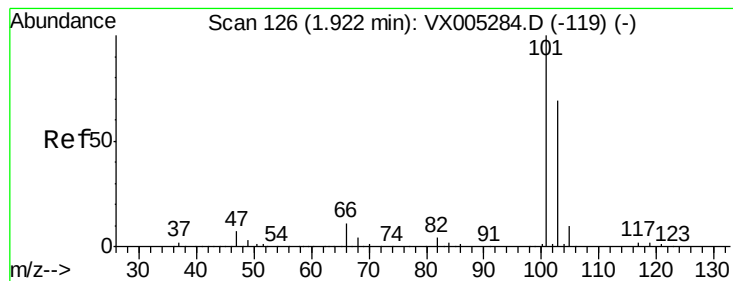
66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



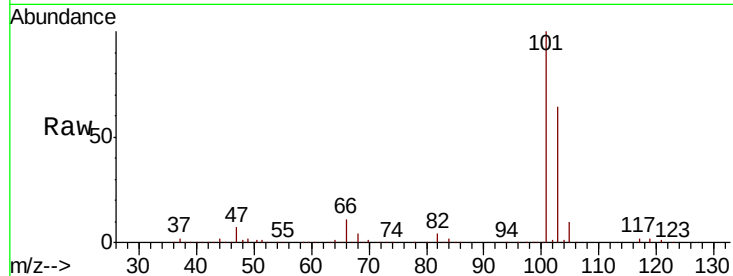


#7

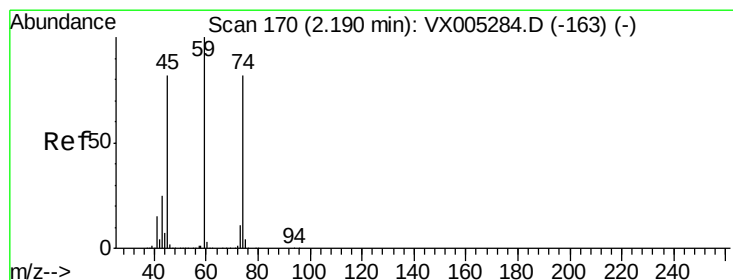
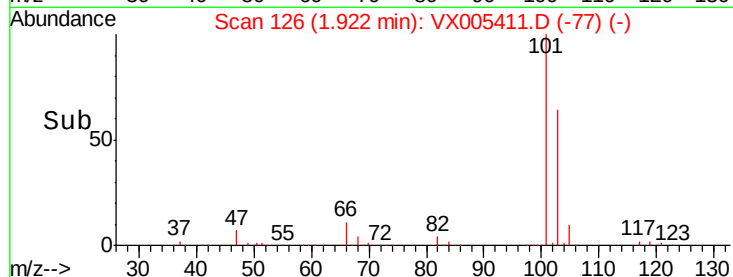
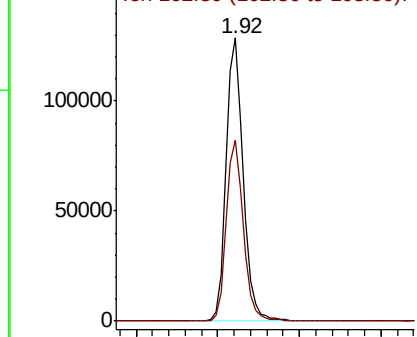
Trichlorofluoromethane
Concen: 51.305 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tot Ion:101 Resp: 185027
Ion Ratio Lower Upper
101 100
103 63.8 48.9 73.3



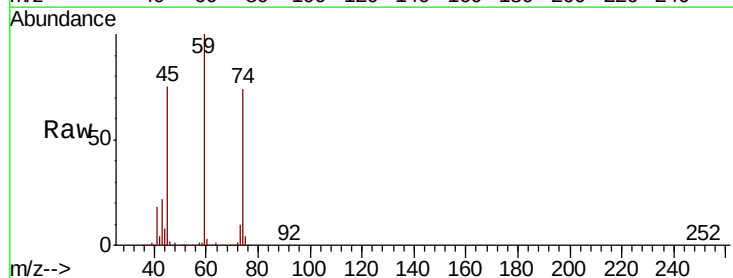
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



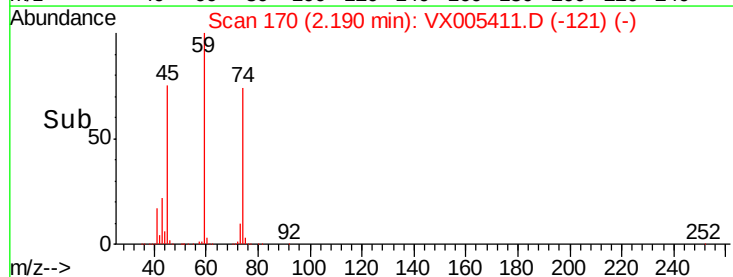
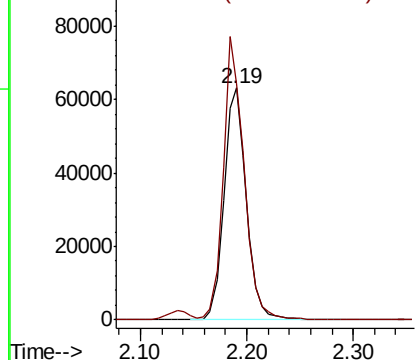
#8

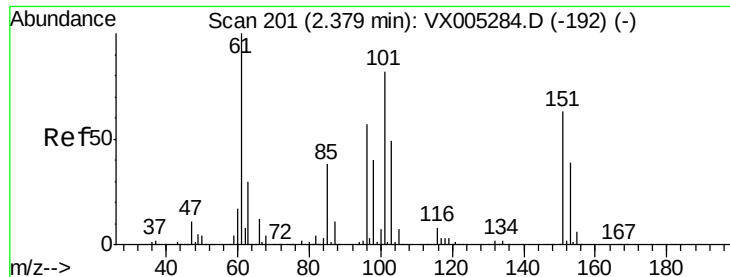
Diethyl Ether
Concen: 59.737 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 74 Resp: 91999
Ion Ratio Lower Upper
74 100
45 112.6 48.3 144.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.587 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

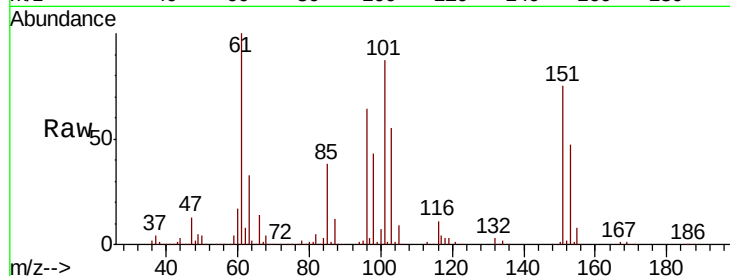
Tot Ion:101 Resp: 107381

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.4

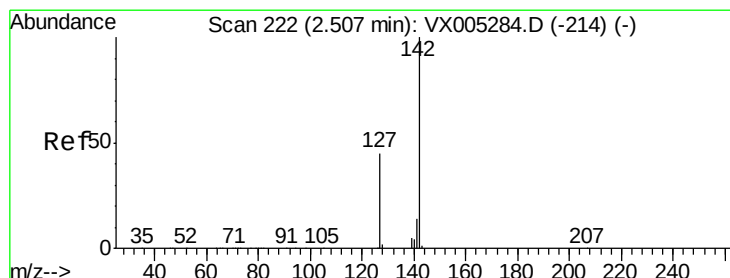
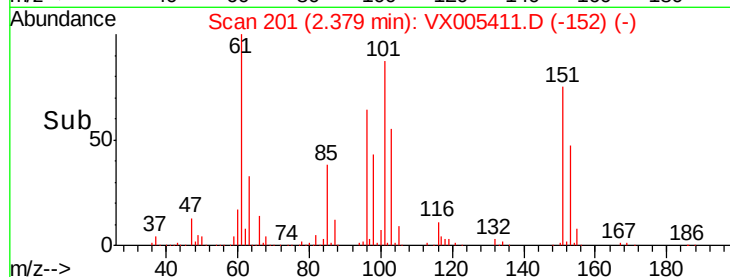
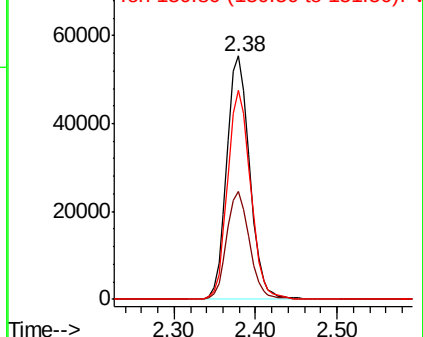
151 85.7 65.0 97.6



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: 57.763 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

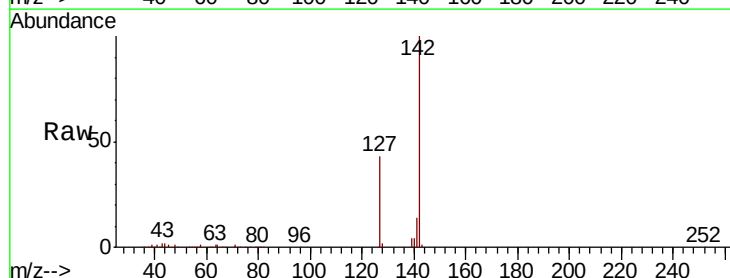
Tgt Ion:142 Resp: 132766

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

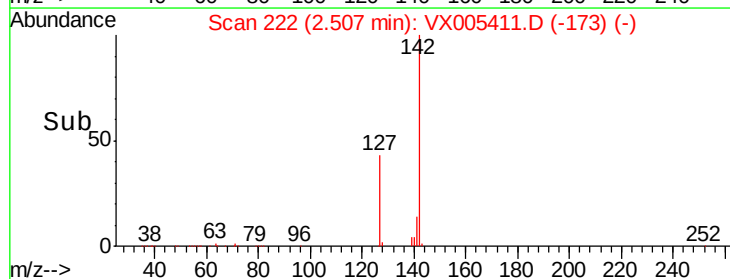
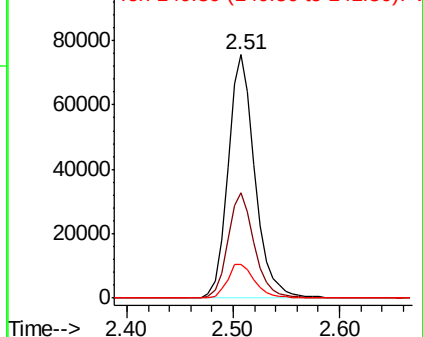
141 14.4 11.4 17.0

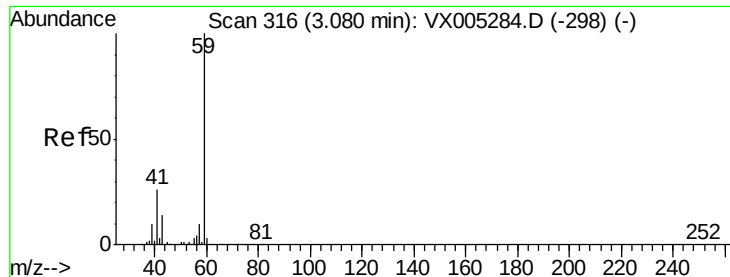


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



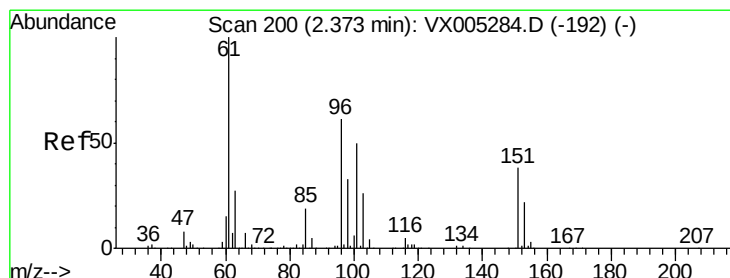
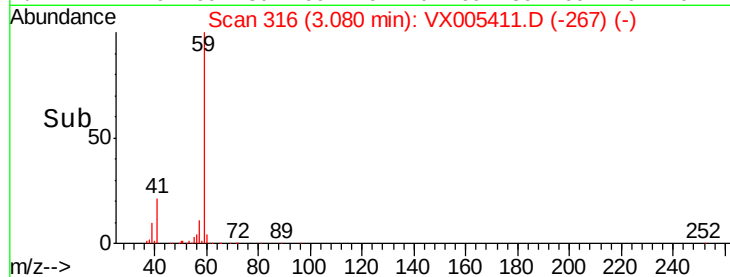
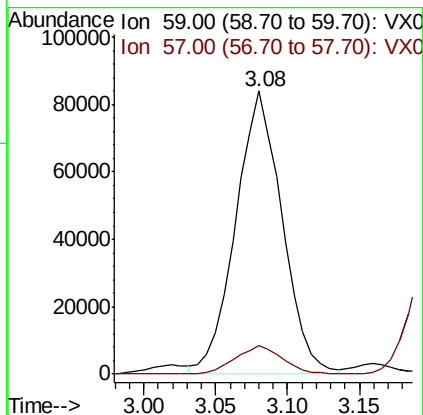
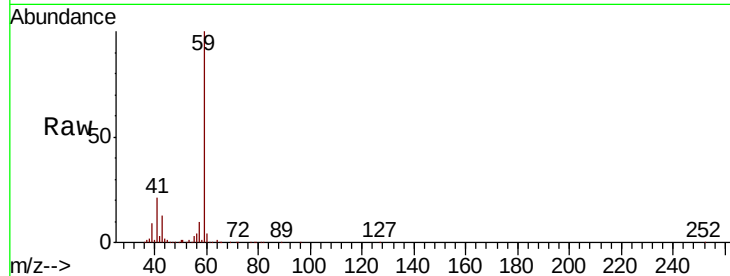


#11

Tert butyl alcohol
 Concen: 255.294 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

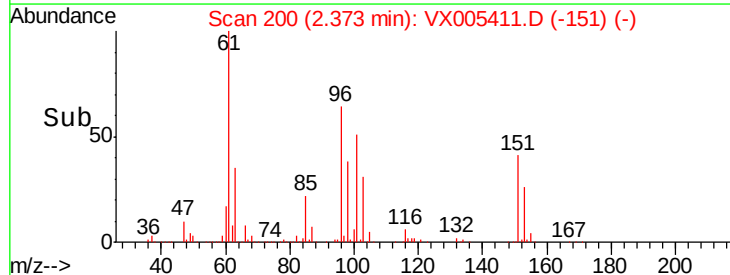
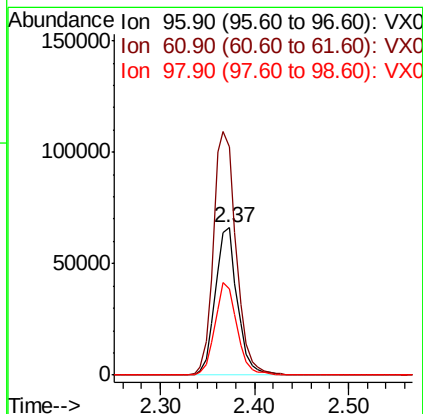
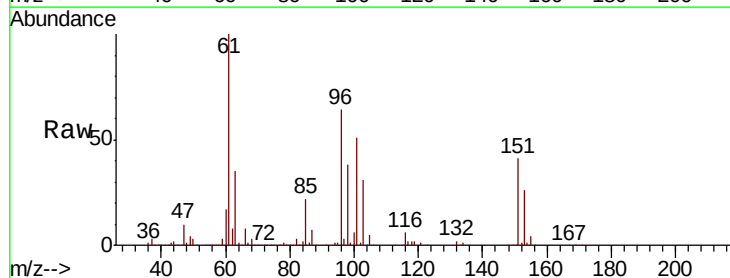
Tot Ion: 59 Resp: 188206
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

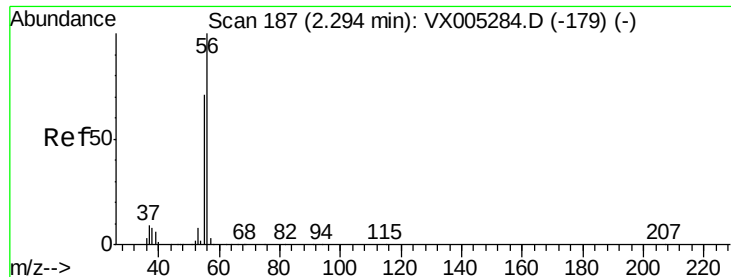


#12

1,1-Dichloroethene
 Concen: 52.116 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 96 Resp: 107483
 Ion Ratio Lower Upper
 96 100
 61 154.9 128.8 193.2
 98 58.9 52.2 78.2

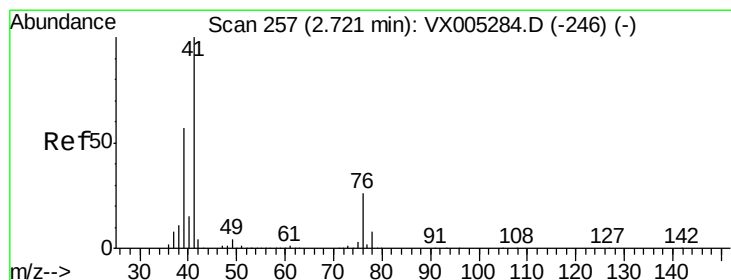
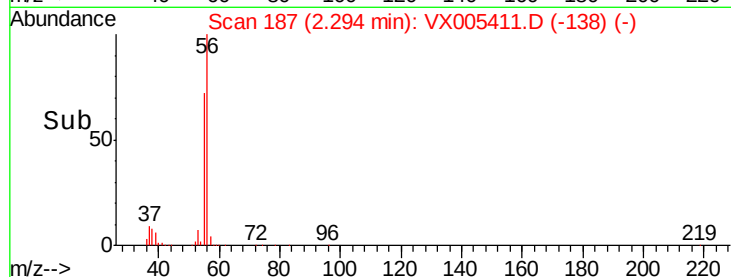
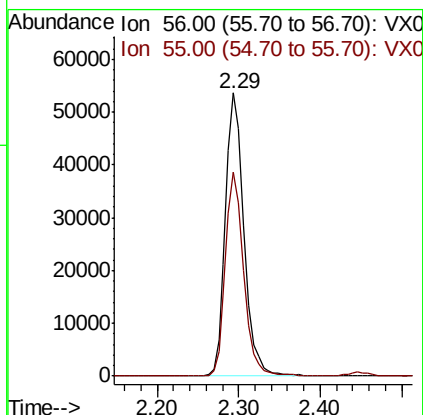
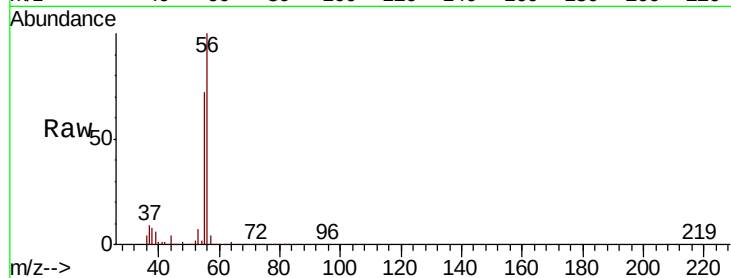




#13
Acrolein
Concen: 178.987 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

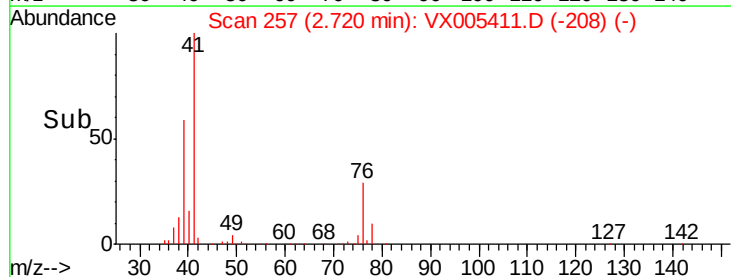
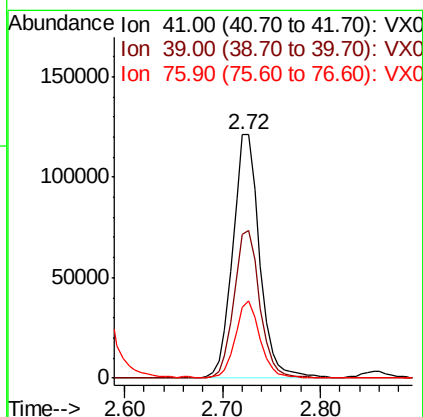
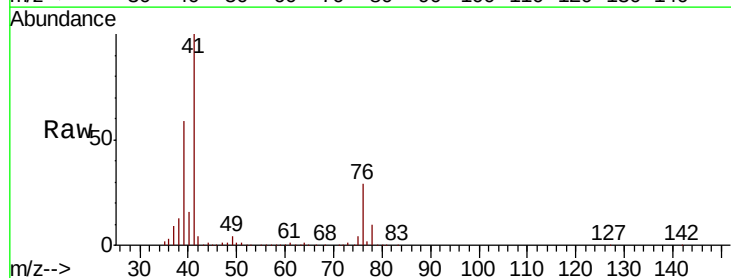
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

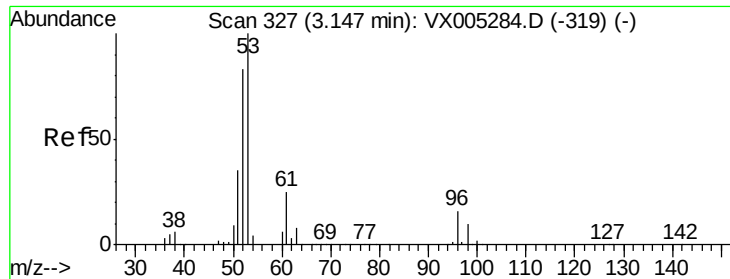
Tot Ion: 56 Resp: 84490
Ion Ratio Lower Upper
56 100
55 70.4 54.7 82.1



#14
Allyl chloride
Concen: 51.086 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 41 Resp: 231319
Ion Ratio Lower Upper
41 100
39 58.3 48.9 73.3
76 29.1 26.7 40.1

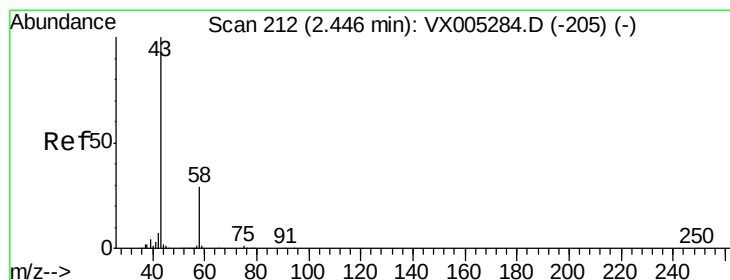
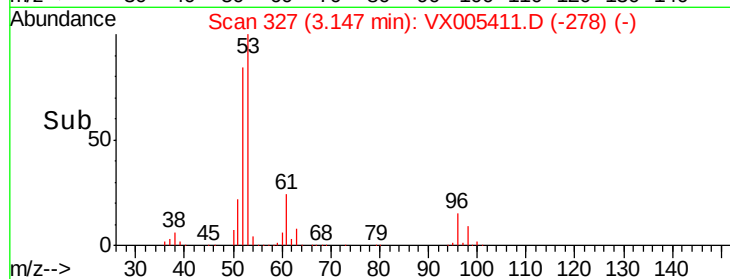
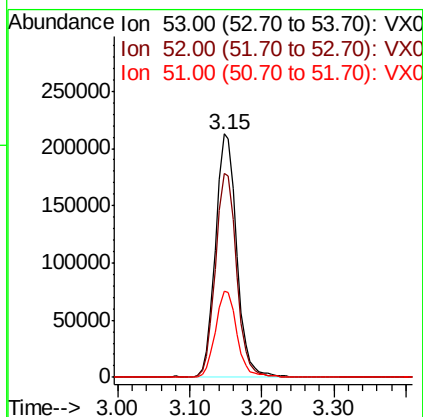
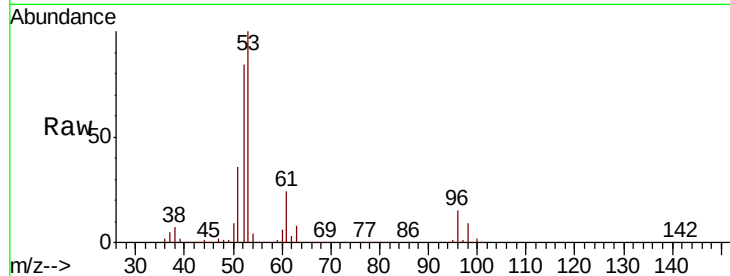




#15
 Acrylonitrile
 Concen: 260.393 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

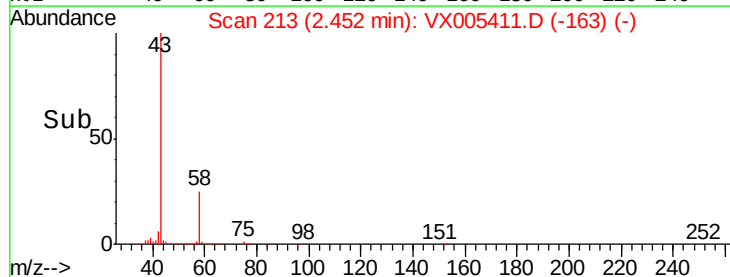
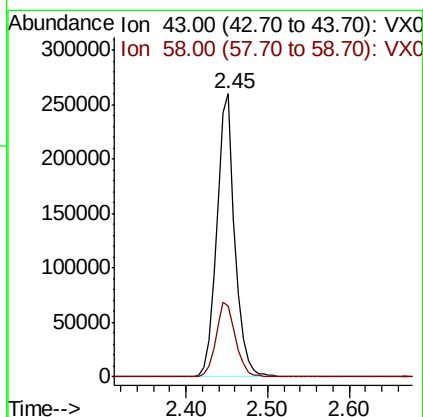
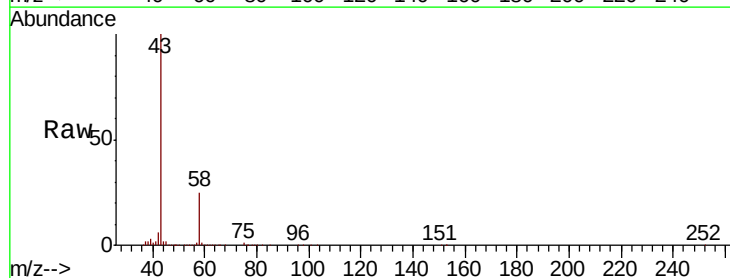
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

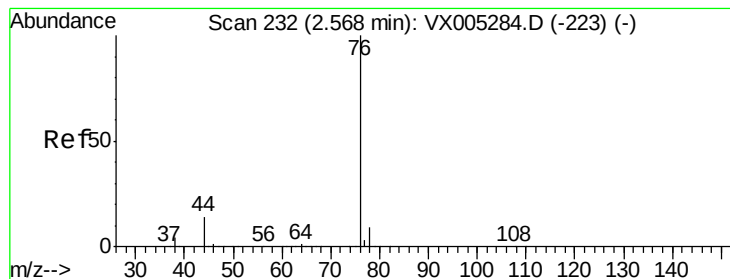
Tot Ion	53	Resp	435007
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.2	97.8
51	35.7	28.2	42.2



#16
 Acetone
 Concen: 266.651 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion	43	Resp	402926
Ion	Ratio	Lower	Upper
43	100		
58	25.1	26.2	39.4#





#17

Carbon Disulfide

Concen: 46.783 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

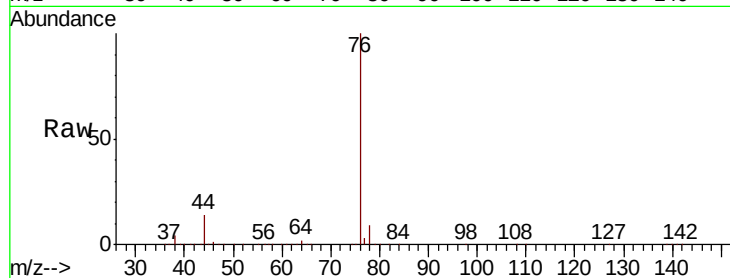
RLF-GW-9SMS

Tot Ion: 76 Resp: 292283

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

2.56

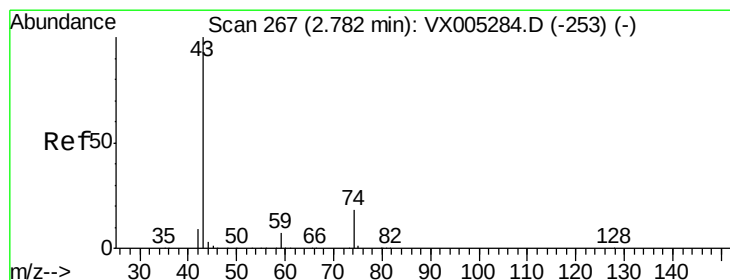
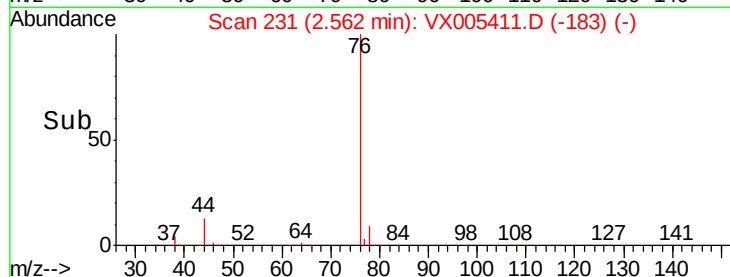
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.611 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005411.D

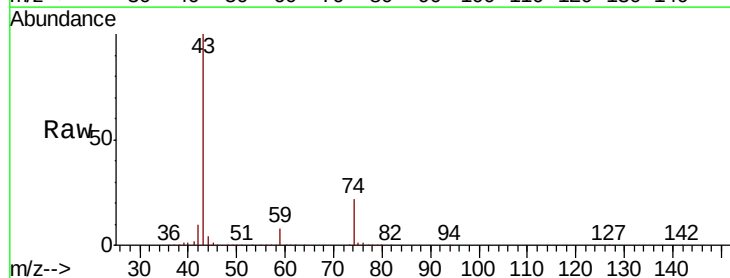
Acq: 18 Oct 2018 01:07

Tgt Ion: 43 Resp: 234772

Ion Ratio Lower Upper

43 100

74 21.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

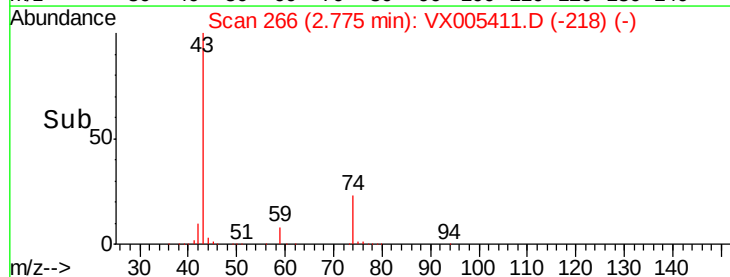
150000

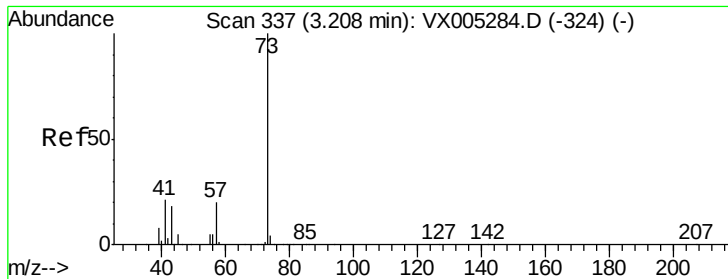
100000

50000

0

Time-->

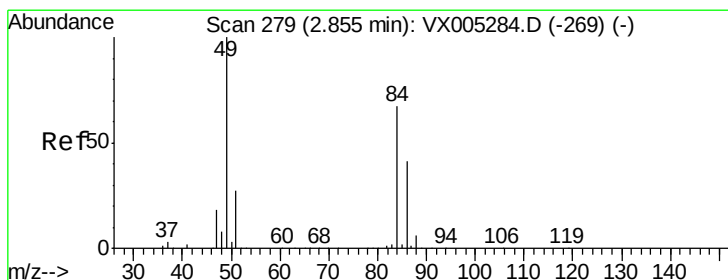
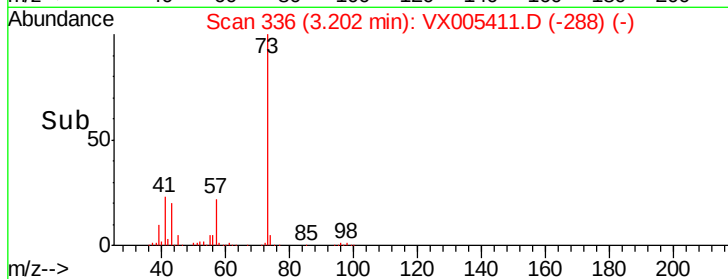
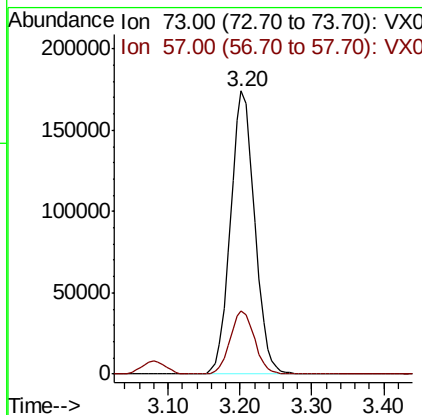
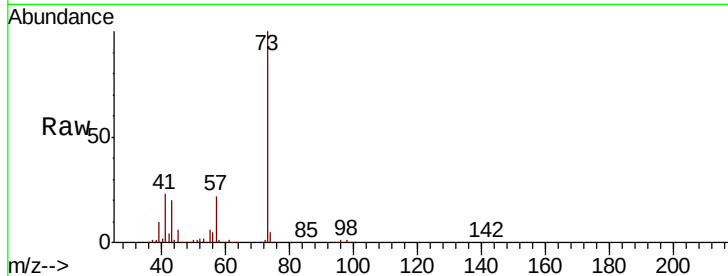




#19
Methyl tert-butyl Ether
Concen: 56.010 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

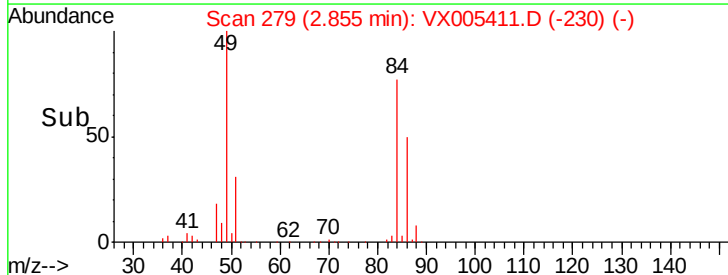
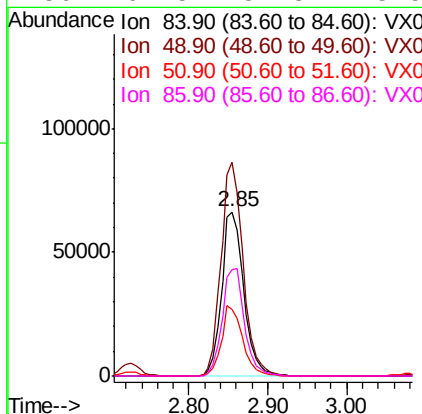
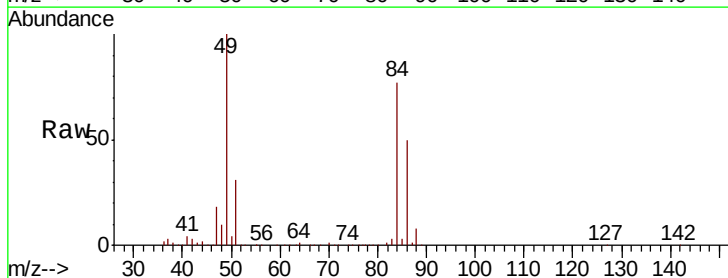
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

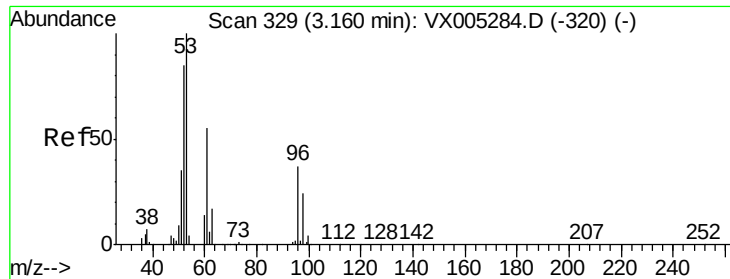
Tot Ion: 73 Resp: 406837
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7



#20
Methylene Chloride
Concen: 58.857 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 84 Resp: 129077
Ion Ratio Lower Upper
84 100
49 129.9 101.2 151.8
51 40.3 29.5 44.3
86 64.5 52.3 78.5

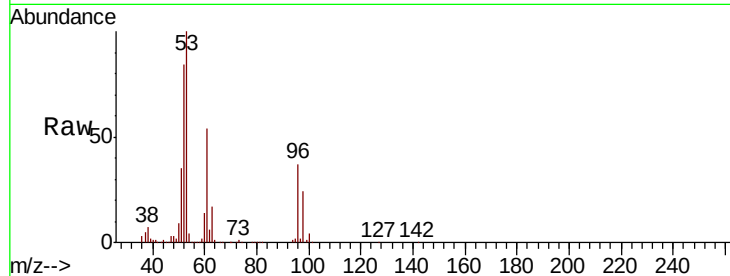




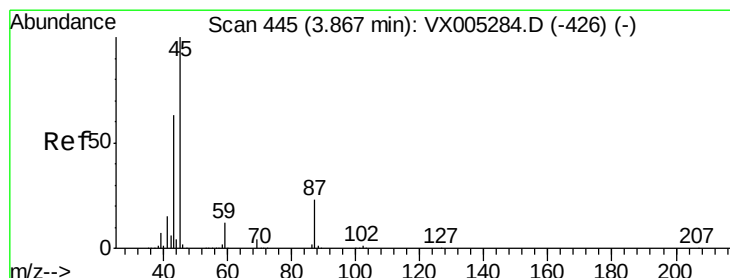
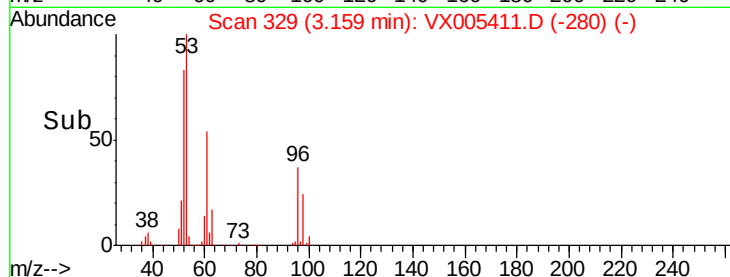
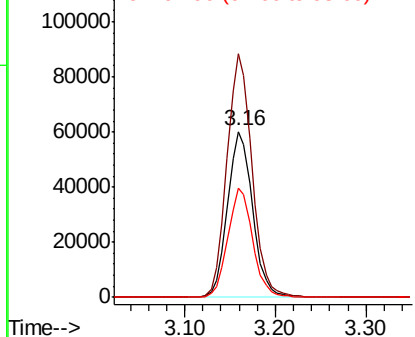
#21
trans-1,2-Dichloroethene
Concen: 50.565 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tot Ion: 96 Resp: 115571
Ion Ratio Lower Upper
96 100
61 146.4 113.8 170.6
98 65.5 51.8 77.8

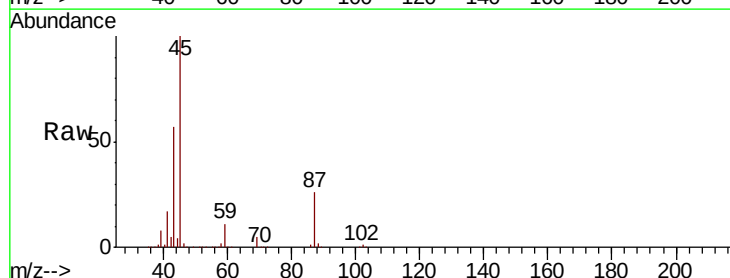


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

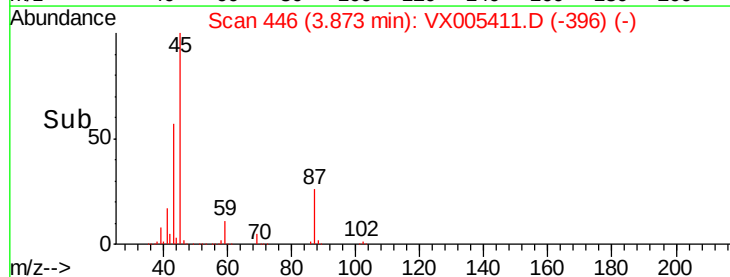
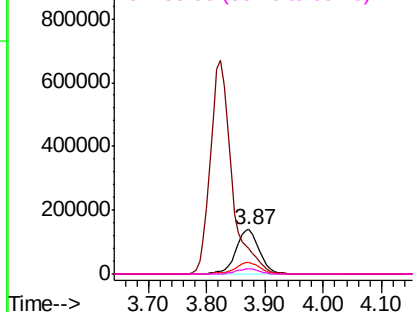


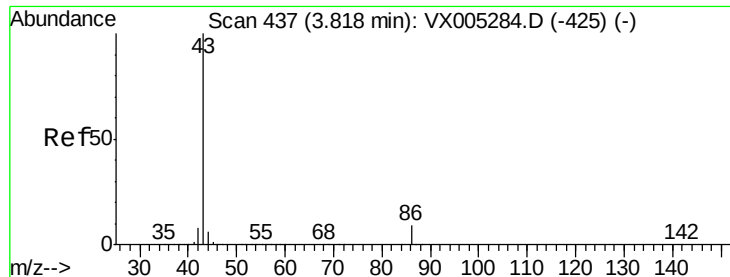
#22
Diisopropyl ether
Concen: 51.311 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 45 Resp: 390241
Ion Ratio Lower Upper
45 100
43 56.5 42.8 64.2
87 26.2 22.6 34.0
59 11.3 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: 257.803 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

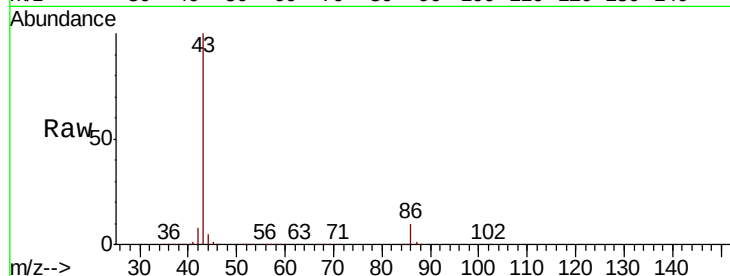
RLF-GW-9SMS

Tot Ion: 43 Resp: 1713718

Ion Ratio Lower Upper

43 100

86 9.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

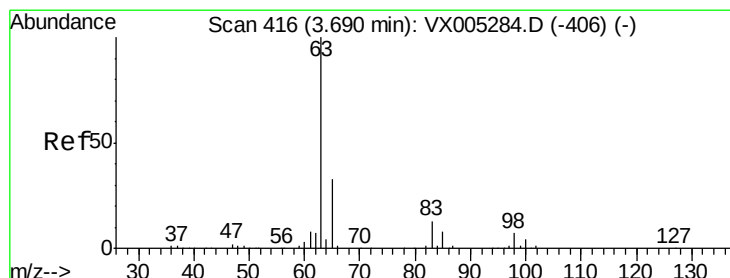
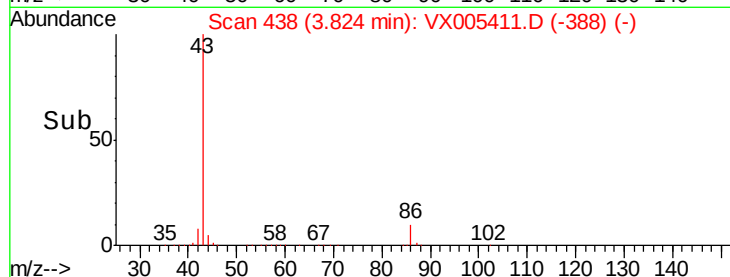
400000

200000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 53.766 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

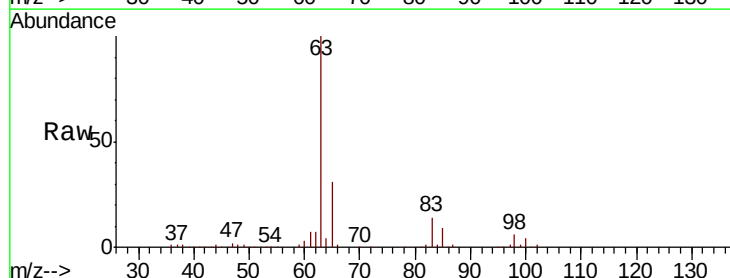
Tgt Ion: 63 Resp: 234353

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.0 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

60000

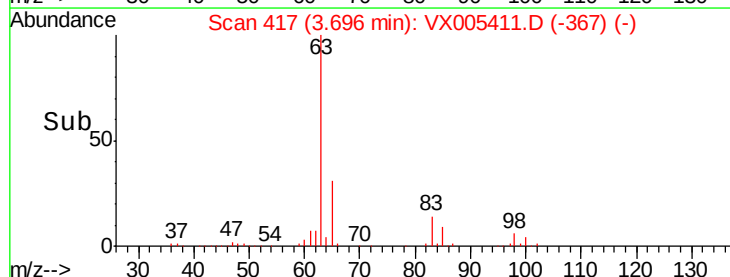
40000

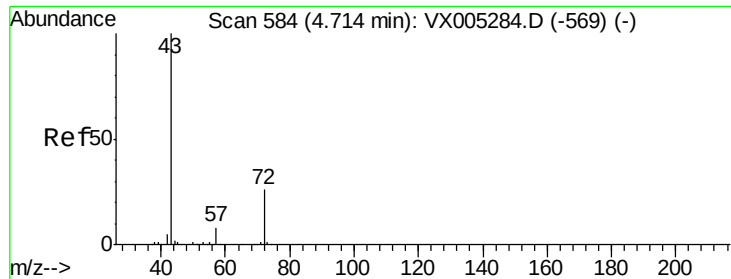
20000

0

Time-->

3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 251.263 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

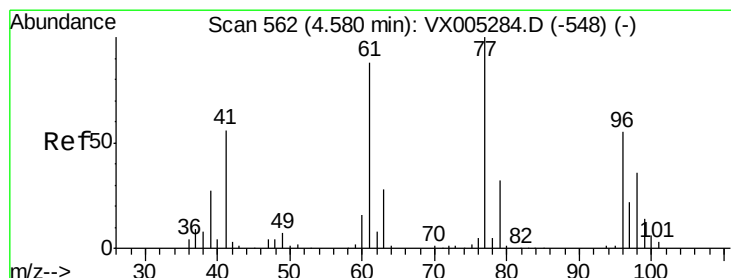
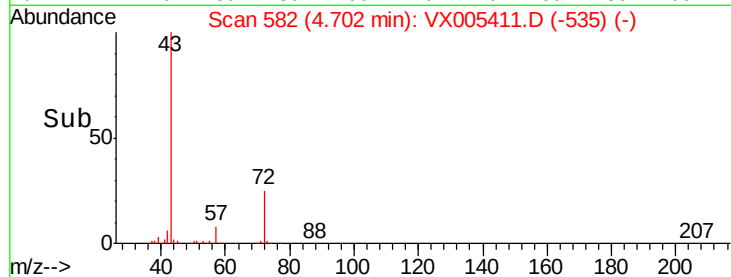
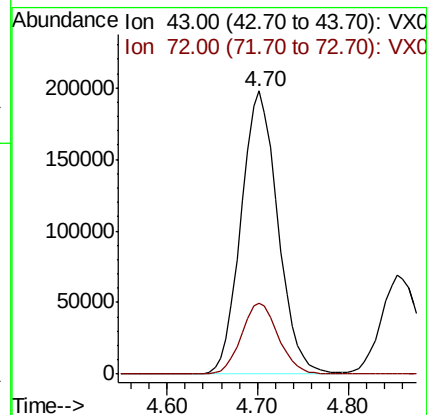
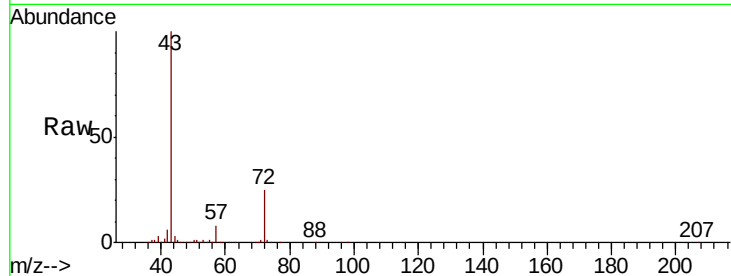
RLF-GW-9SMS

Tot Ion: 43 Resp: 555507

Ion Ratio Lower Upper

43 100

72 25.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 41.351 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005411.D

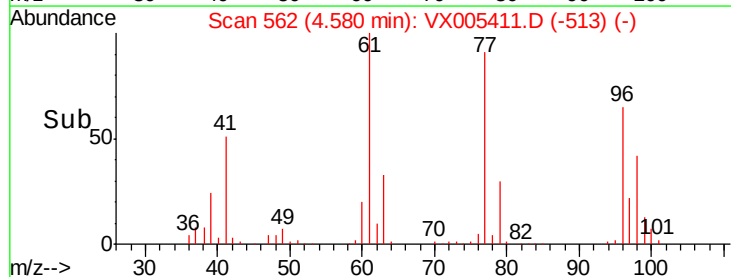
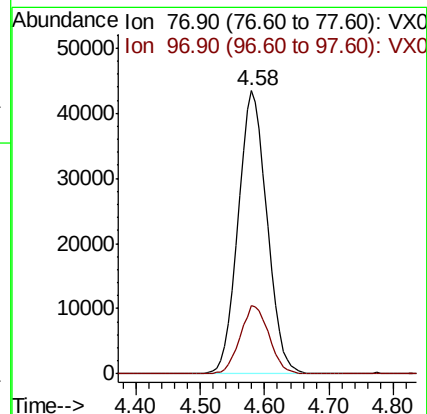
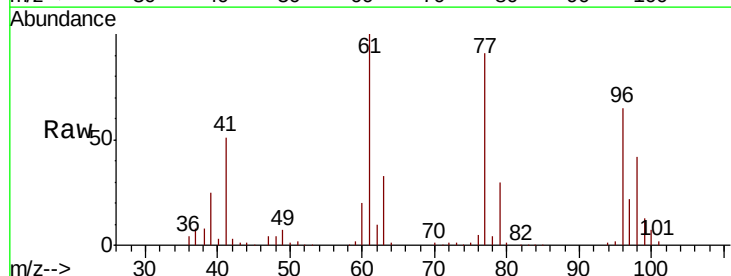
Acq: 18 Oct 2018 01:07

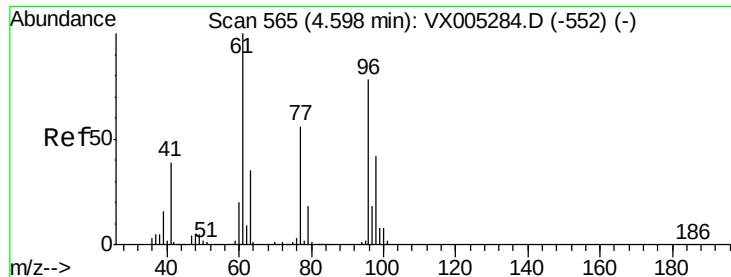
Tgt Ion: 77 Resp: 134797

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0



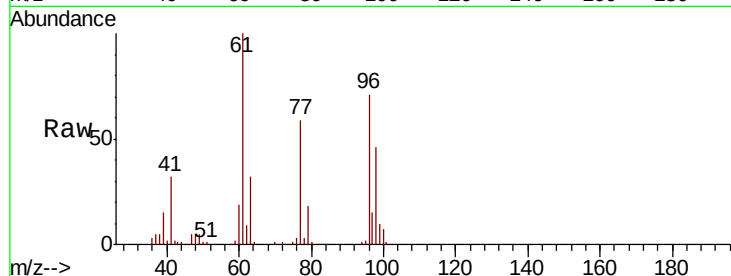


#27

cis-1,2-Dichloroethene
Concen: 50.591 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	282.6
98	65.1	0.0	130.2

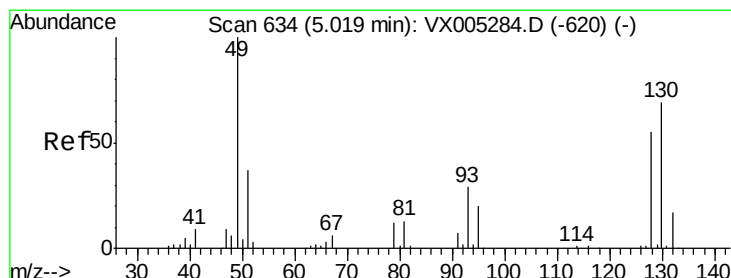
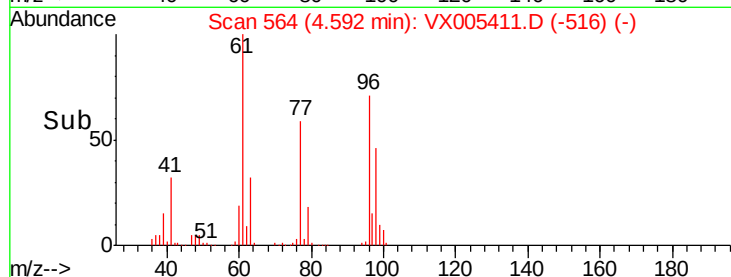
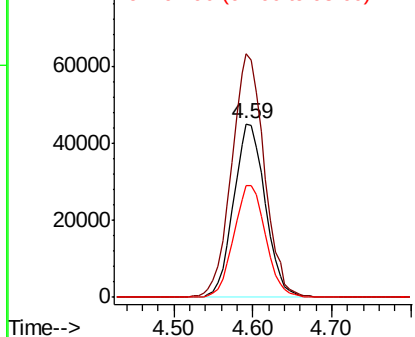


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

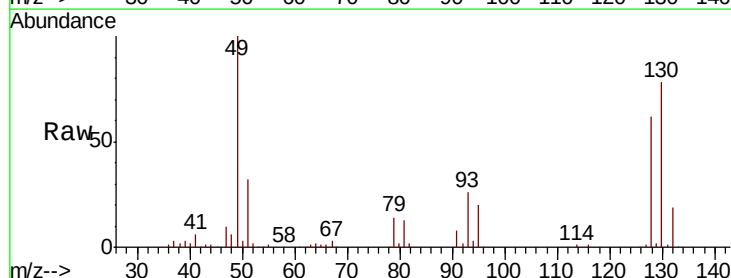
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 53.017 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	79.3	67.5	101.3

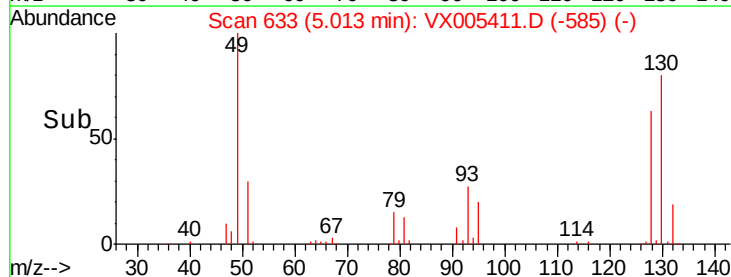
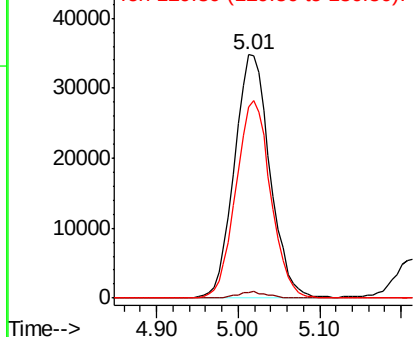


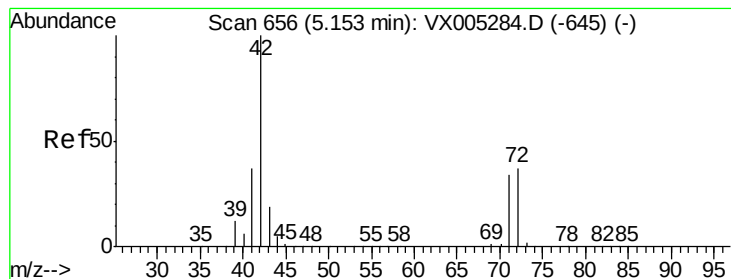
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 258.267 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

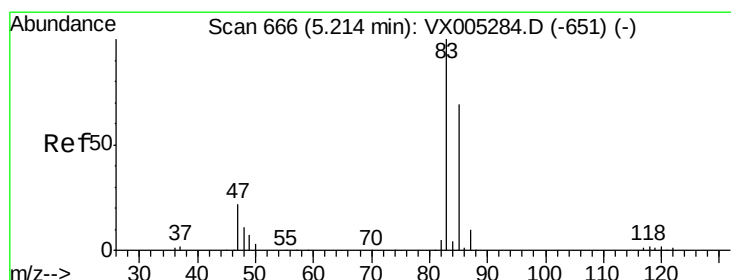
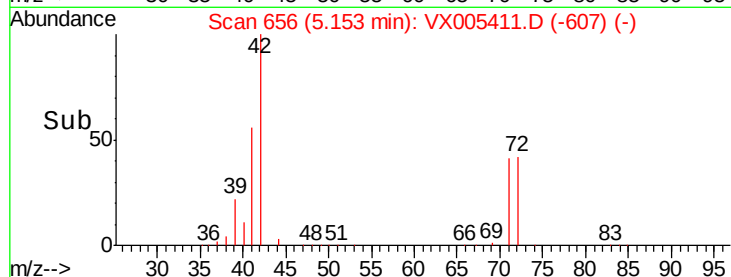
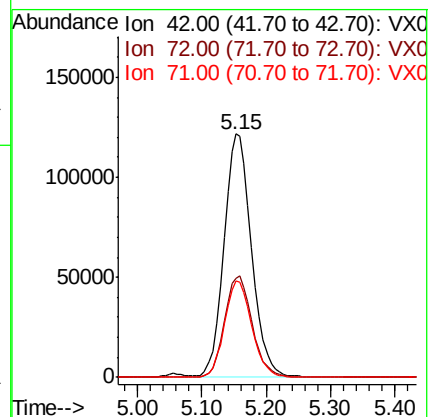
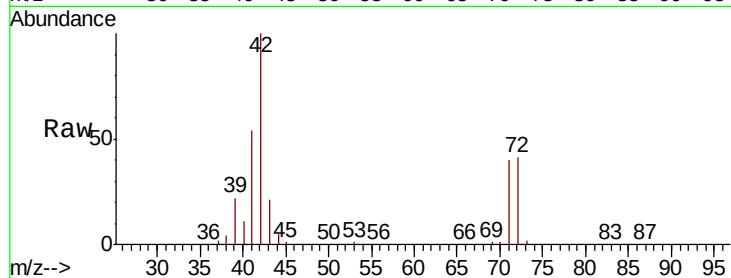
Tot Ion: 42 Resp: 364221

Ion Ratio Lower Upper

42 100

72 42.1 37.4 56.0

71 39.5 34.5 51.7



#30

Chloroform

Concen: 52.157 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005411.D

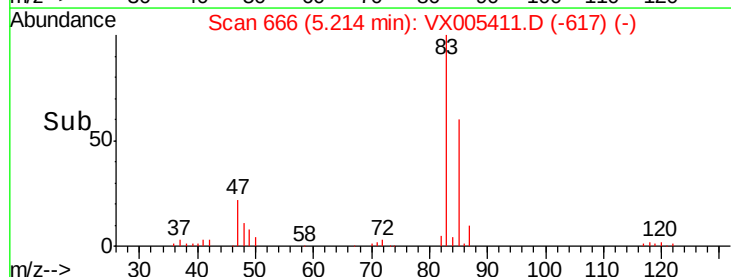
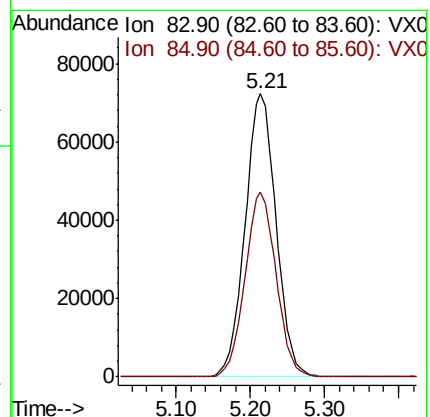
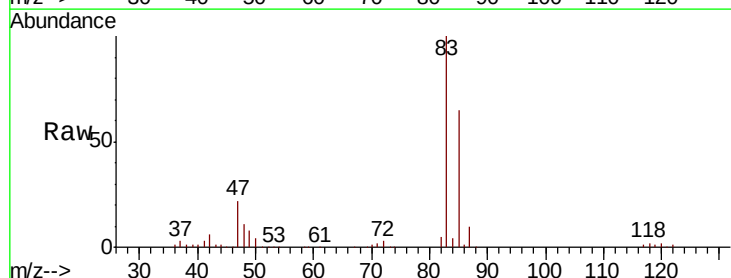
Acq: 18 Oct 2018 01:07

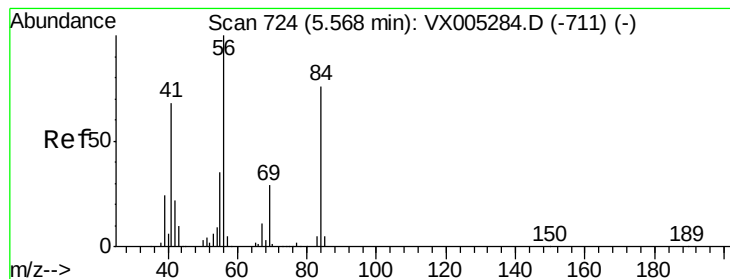
Tgt Ion: 83 Resp: 211012

Ion Ratio Lower Upper

83 100

85 65.3 52.6 79.0





#31

Cyclohexane

Concen: 48.273 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampled :

RLF-GW-9SMS

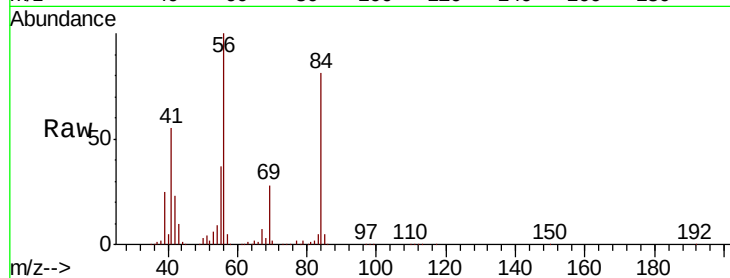
Tot Ion: 56 Resp: 173422

Ion Ratio Lower Upper

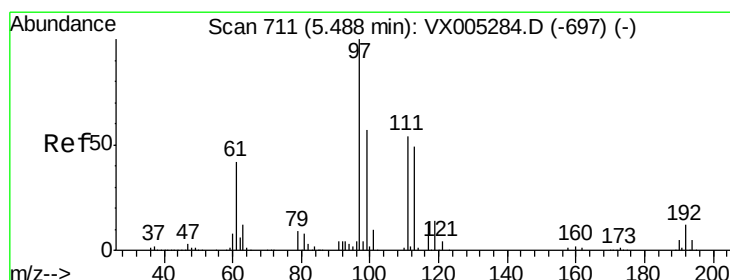
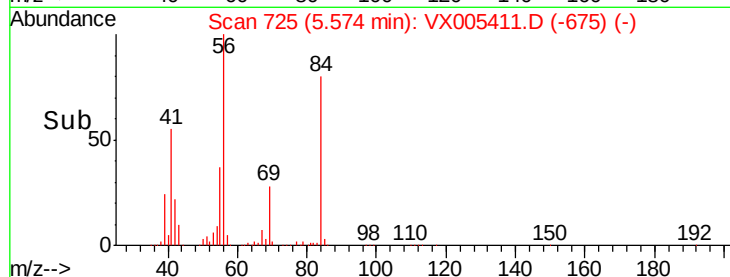
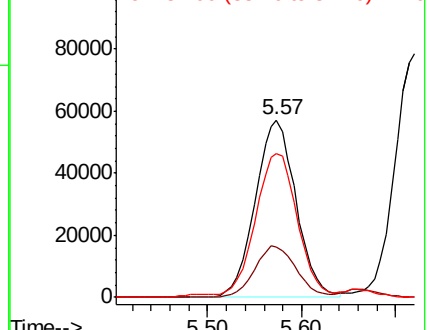
56 100

69 28.2 25.4 38.2

84 79.2 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: 51.813 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

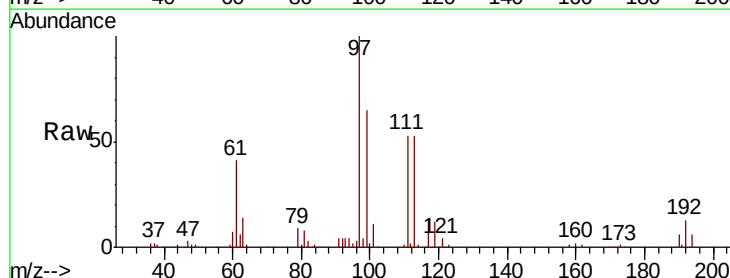
Tgt Ion: 97 Resp: 182397

Ion Ratio Lower Upper

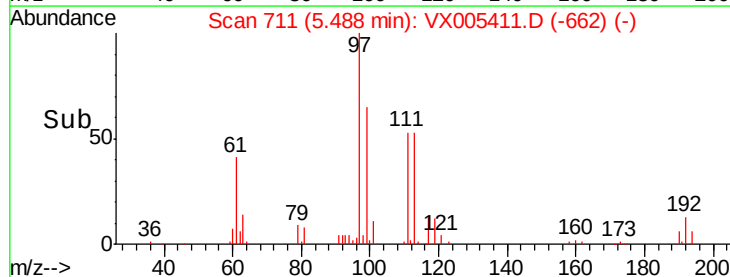
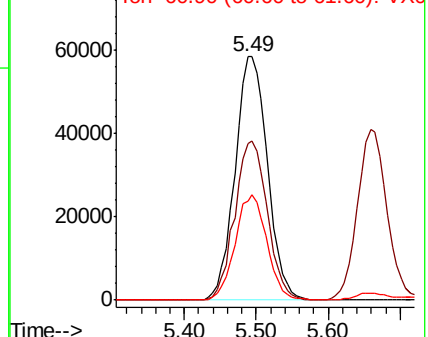
97 100

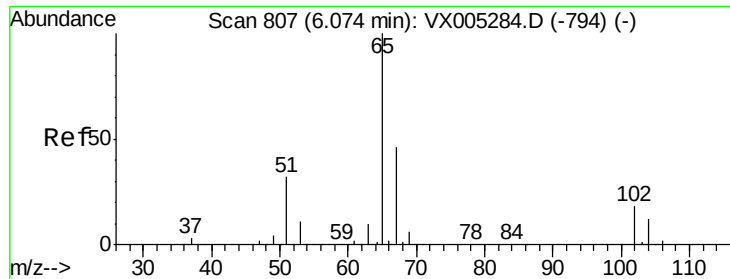
99 65.8 52.0 78.0

61 42.6 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

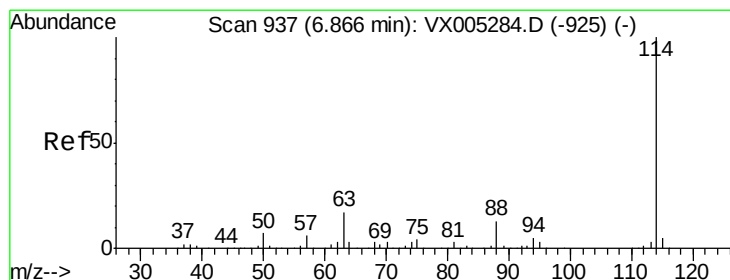
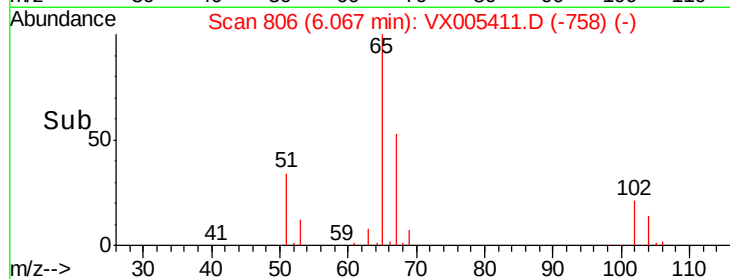
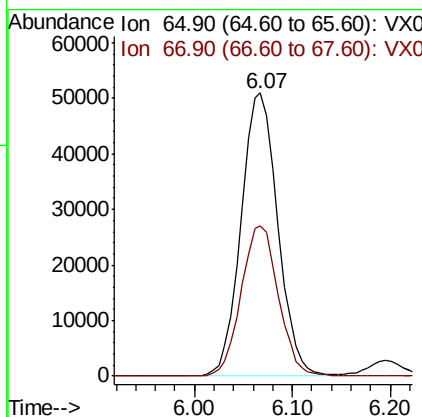
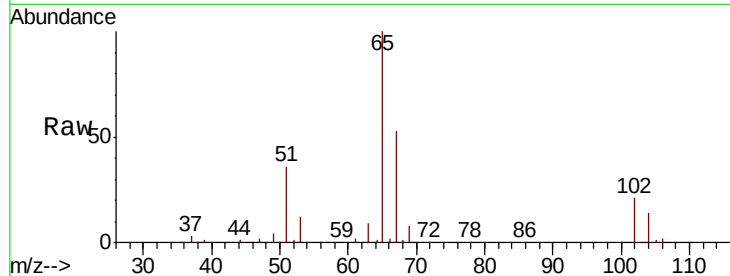




#33
 1,2-Dichloroethane-d4
 Concen: 50.791 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

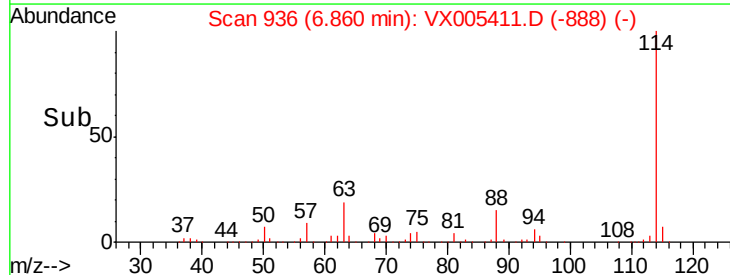
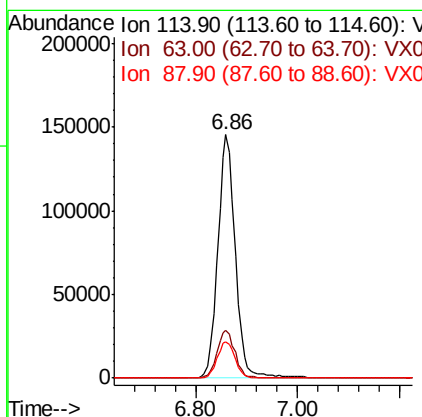
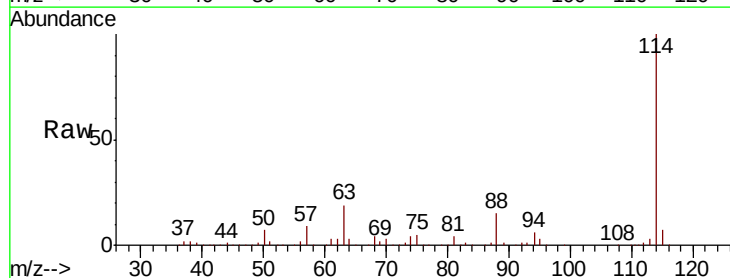
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

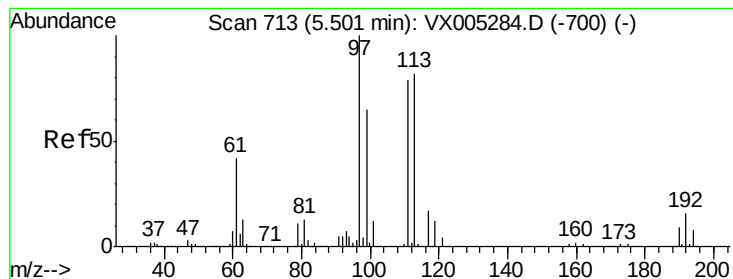
Tot Ion: 65 Resp: 132740
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 114 Resp: 346941
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.796 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

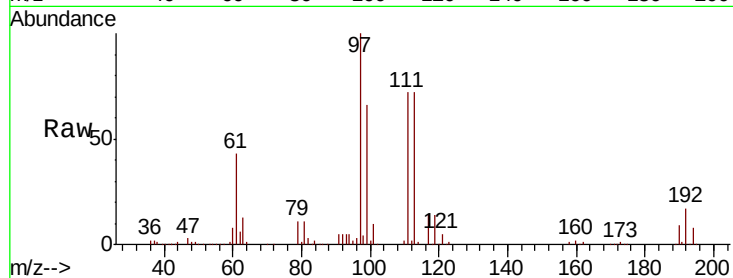
Tot Ion:113 Resp: 109830

Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

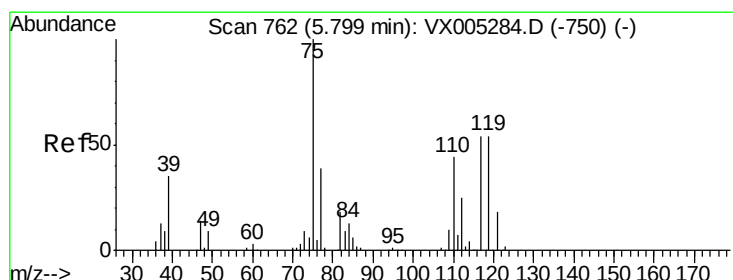
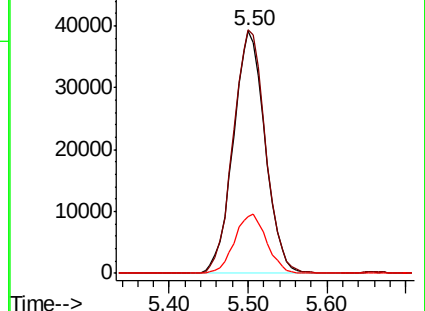
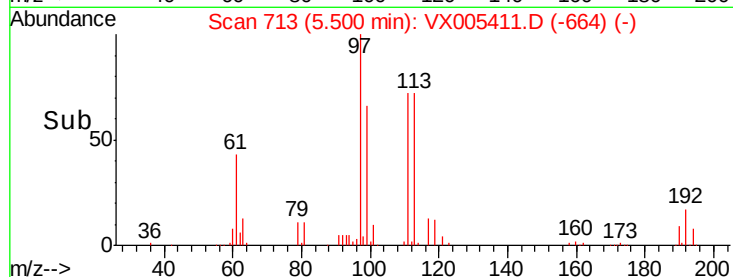
192 24.5 19.4 29.2



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: 45.109 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

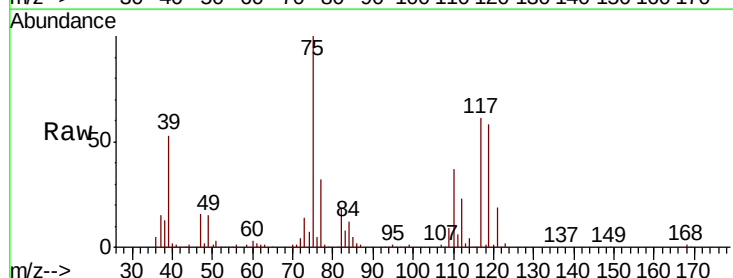
Tgt Ion: 75 Resp: 151570

Ion Ratio Lower Upper

75 100

110 36.8 18.0 54.0

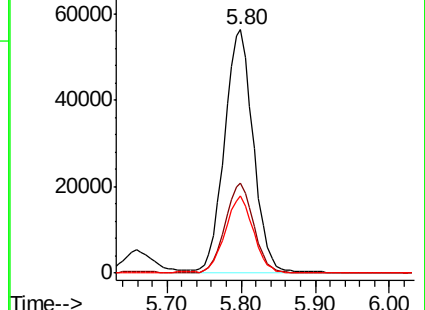
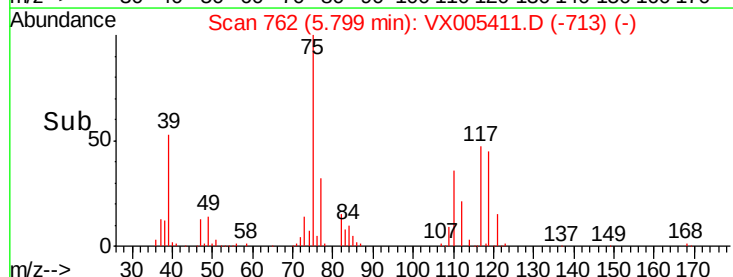
77 31.6 24.6 36.8

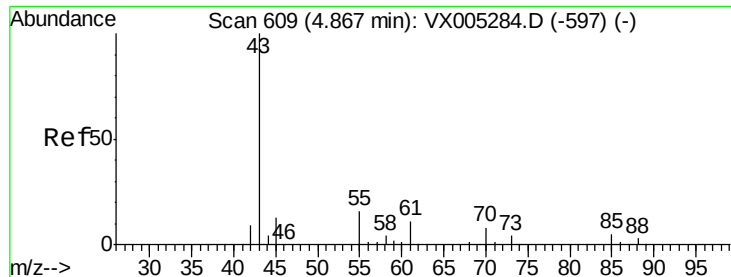


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

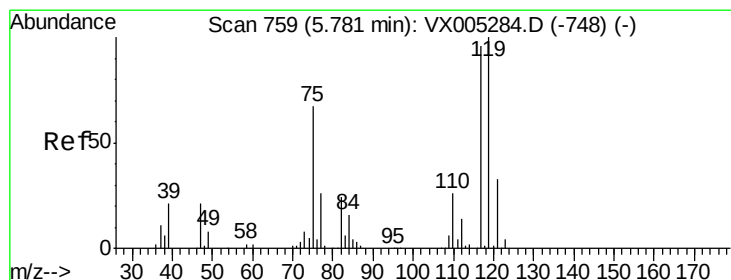
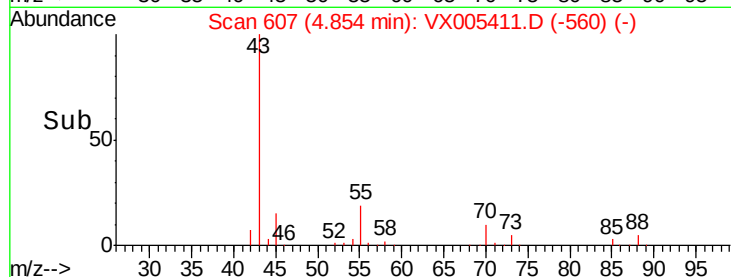
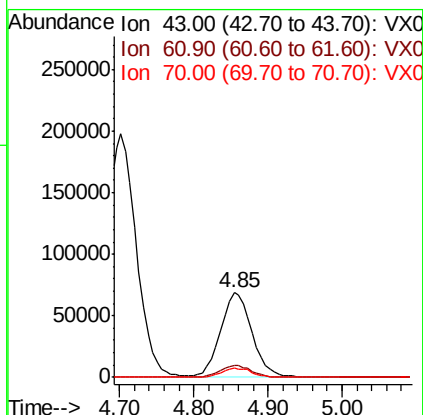
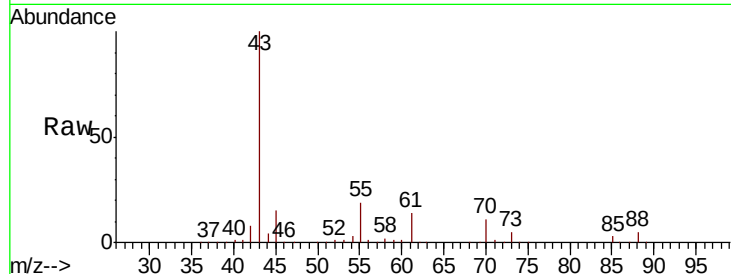




#37
Ethyl Acetate
Concen: 46.382 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

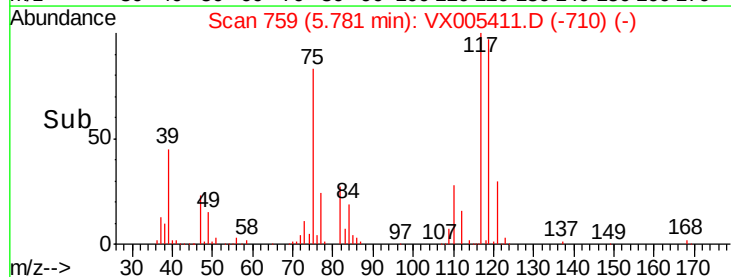
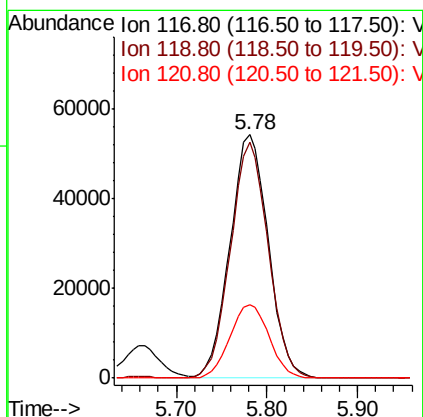
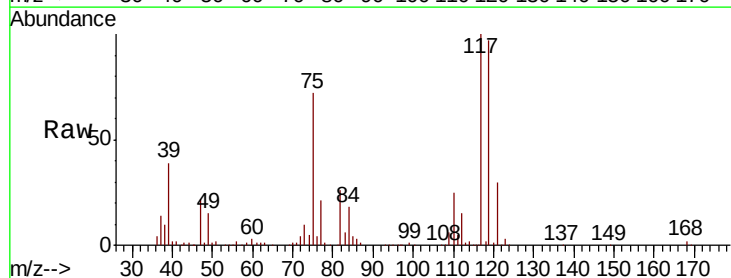
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

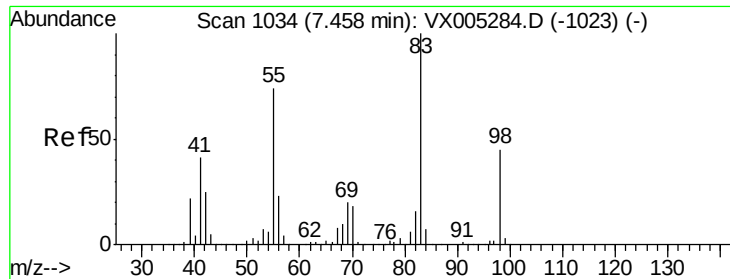
Tot Ion: 43 Resp: 200426
Ion Ratio Lower Upper
43 100
61 14.0 11.5 17.3
70 10.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 47.034 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 117 Resp: 158795
Ion Ratio Lower Upper
117 100
119 96.8 78.8 118.2
121 30.4 24.9 37.3

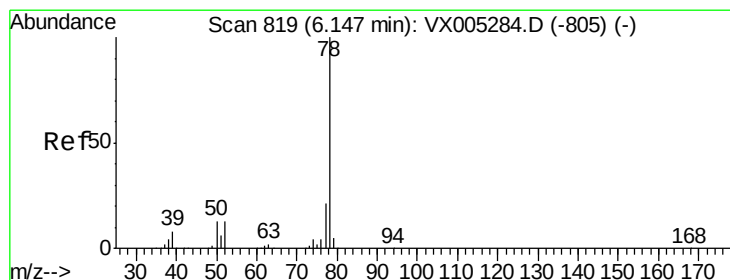
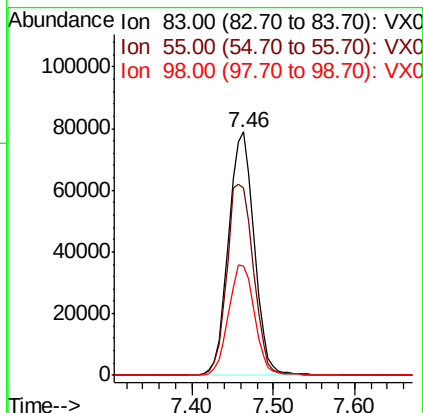
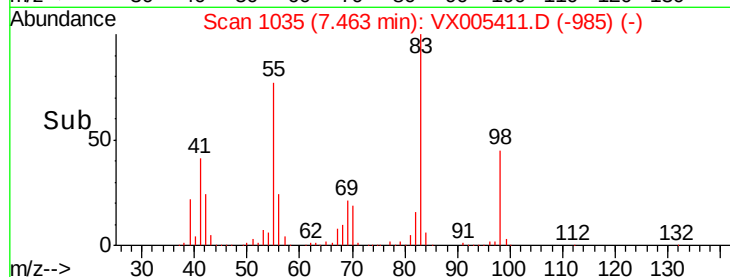
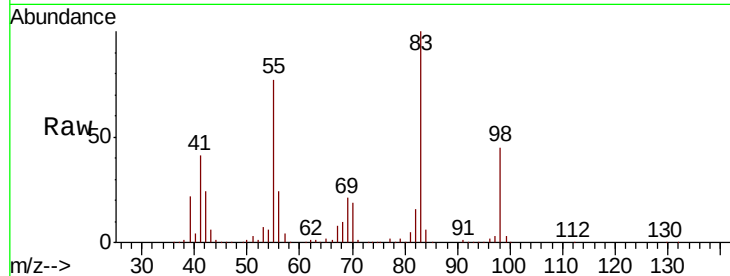




#39
Methylvlcyclohexane
Concen: 47.136 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

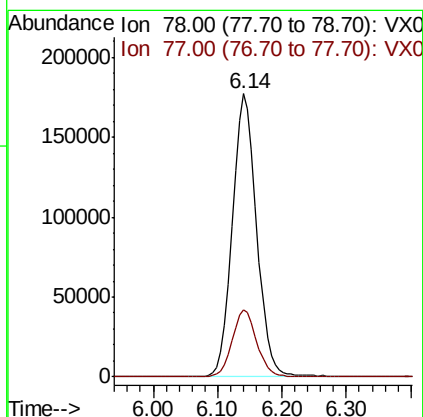
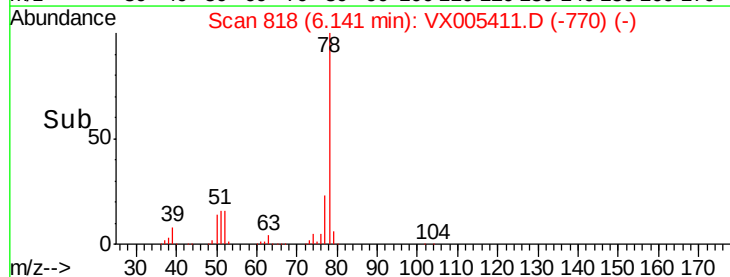
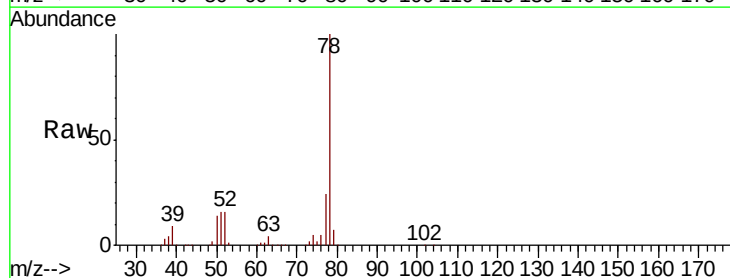
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

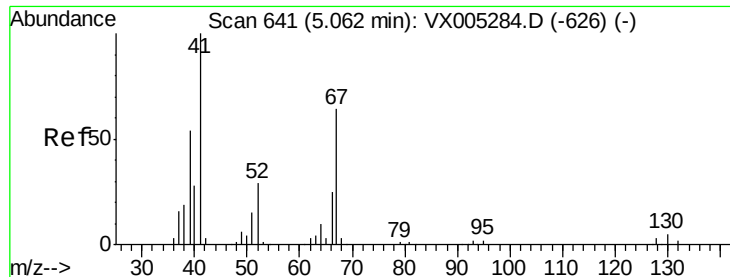
Tot Ion: 83 Resp: 171415
Ion Ratio Lower Upper
83 100
55 76.6 61.0 91.4
98 45.0 39.6 59.4



#40
Benzene
Concen: 46.279 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 78 Resp: 466479
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

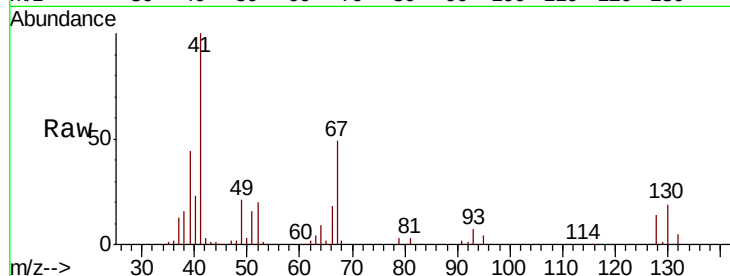




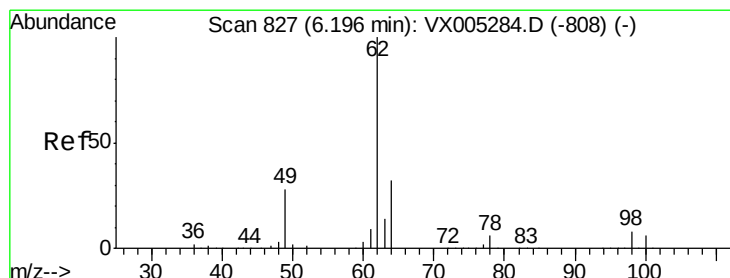
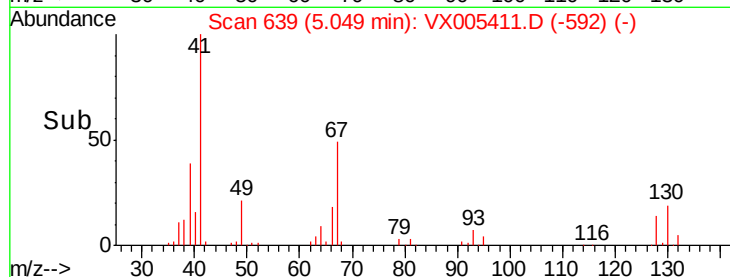
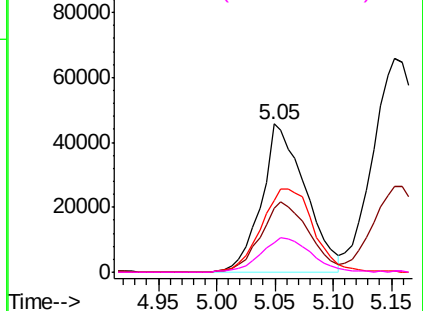
#41
Methacrylonitrile
Concen: 51.498 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tot Ion:	41	Resp:	119300
Ion	Ratio	Lower	Upper
41	100		
39	51.7	42.4	63.6
67	67.3	59.2	88.8
52	26.8	23.0	34.4

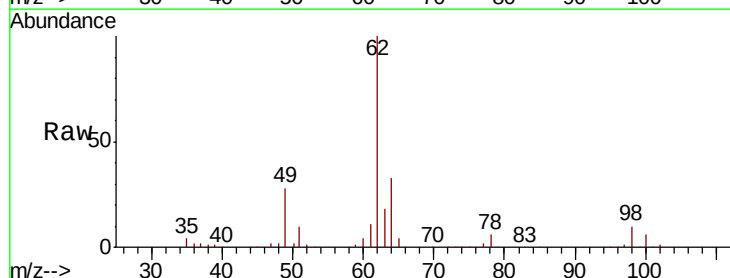


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

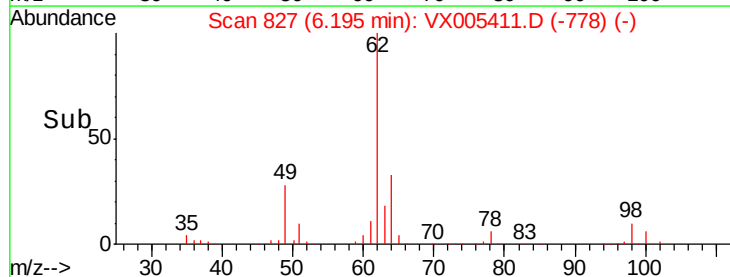
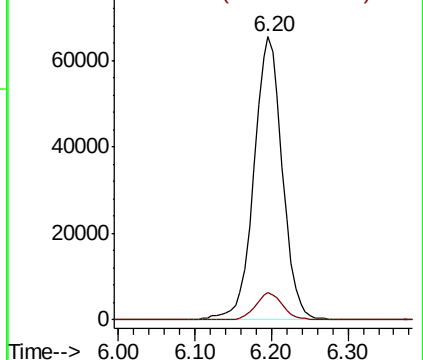


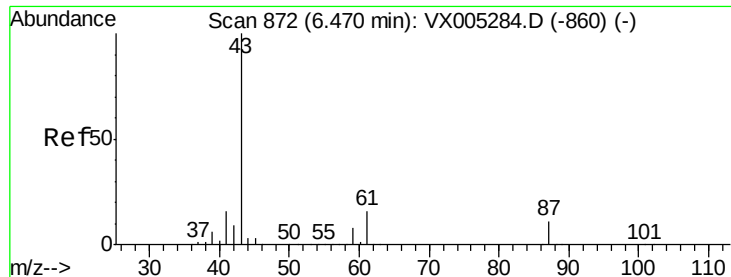
#42
1,2-Dichloroethane
Concen: 47.586 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:	62	Resp:	169363
Ion	Ratio	Lower	Upper
62	100		
98	9.2	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: 53.063 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

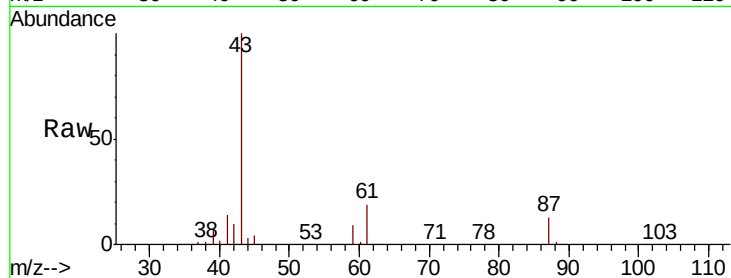
Tot Ion: 43 Resp: 305442

Ion Ratio Lower Upper

43 100

61 19.7 17.0 25.4

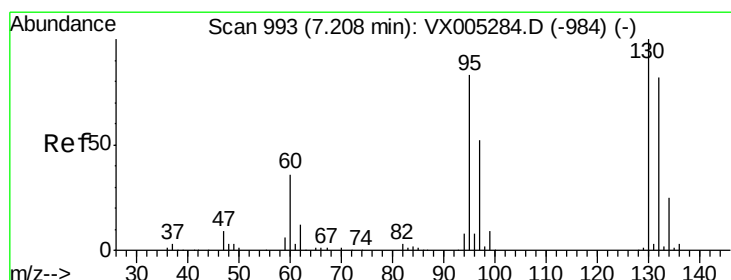
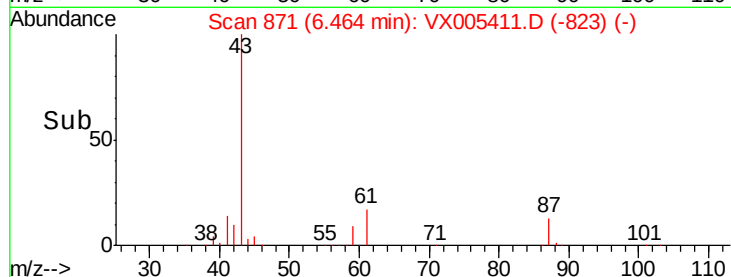
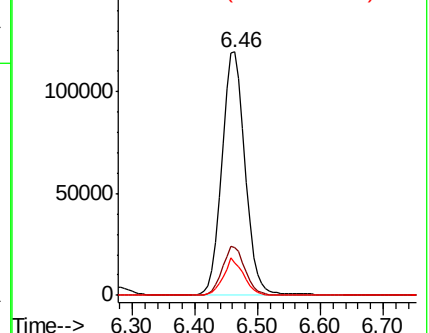
87 13.4 11.4 17.2



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: 49.617 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005411.D

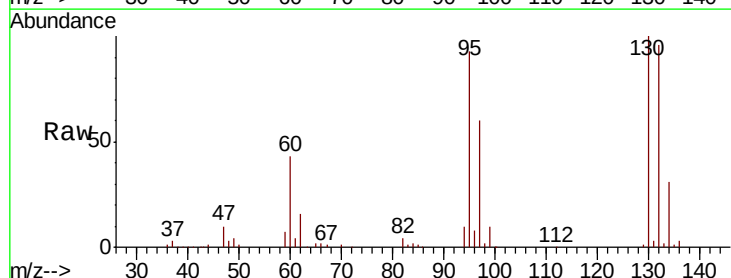
Acq: 18 Oct 2018 01:07

Tgt Ion:130 Resp: 127709

Ion Ratio Lower Upper

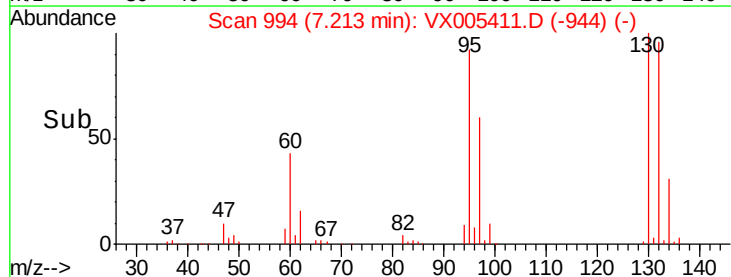
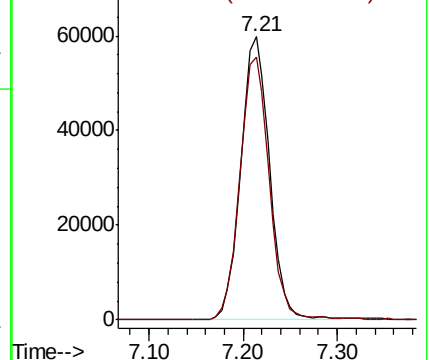
130 100

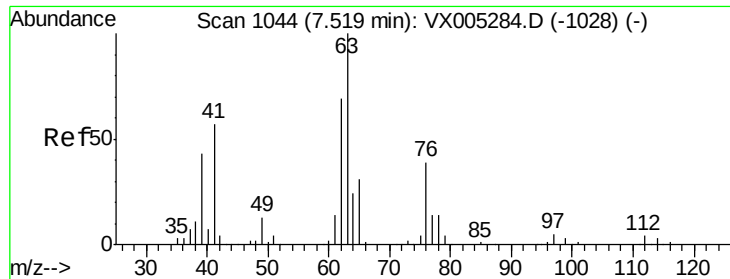
95 92.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

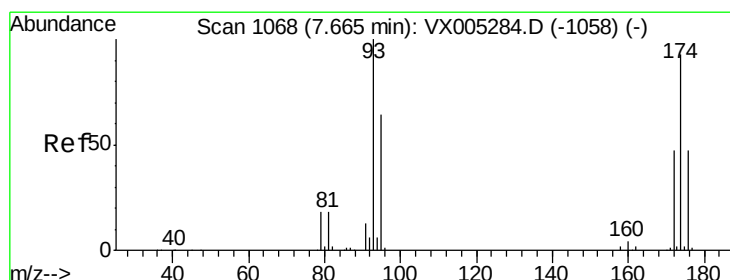
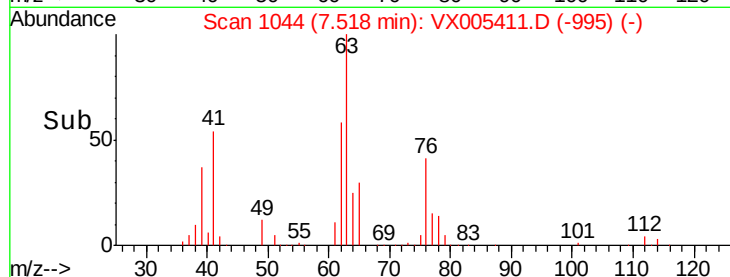
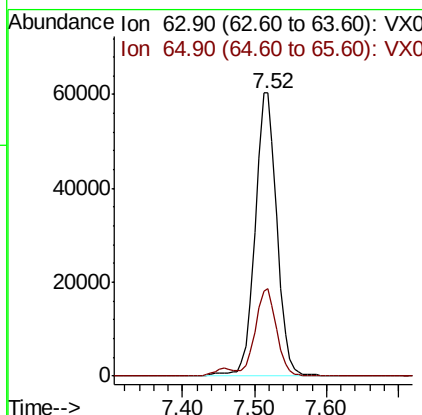
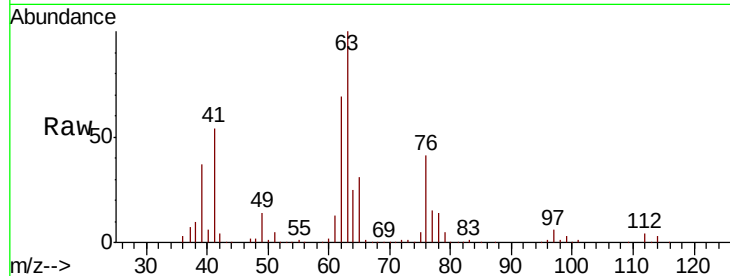




#45
 1,2-Dichloropropane
 Concen: 51.384 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

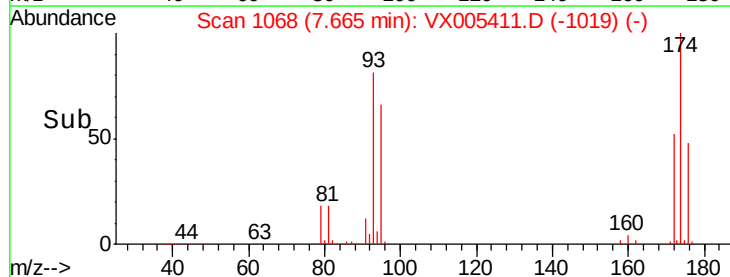
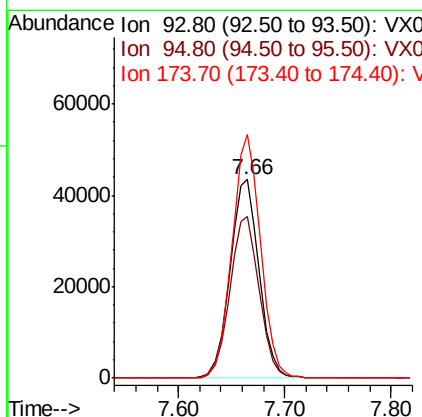
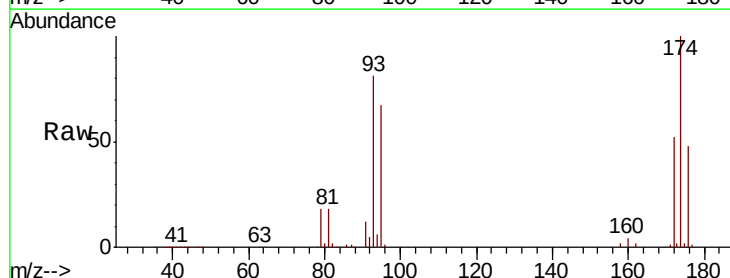
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

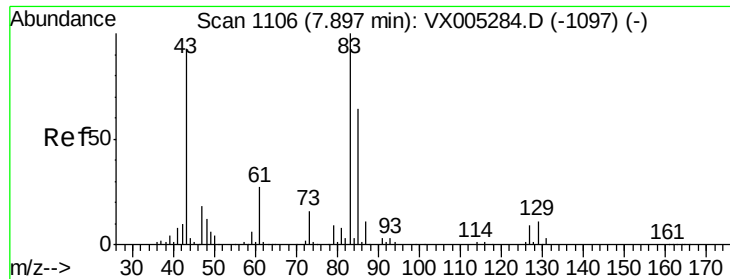
Tot Ion: 63 Resp: 127049
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5



#46
 Dibromomethane
 Concen: 50.776 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 93 Resp: 82861
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.5 98.3
 174 121.1 94.2 141.4





#47

Bromodichloromethane

Concen: 53.638 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

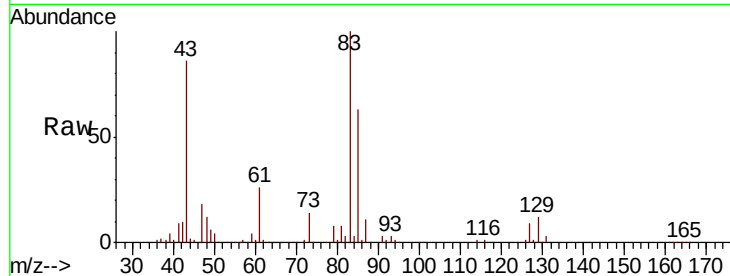
Tot Ion: 83 Resp: 161908

Ion Ratio Lower Upper

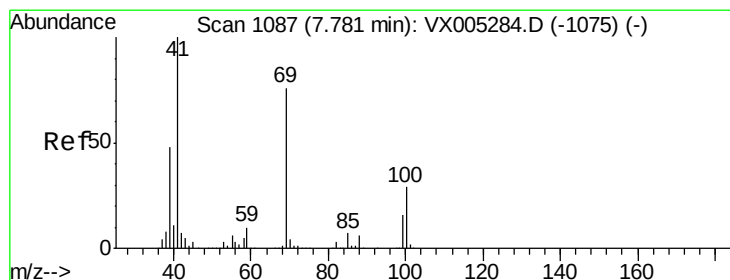
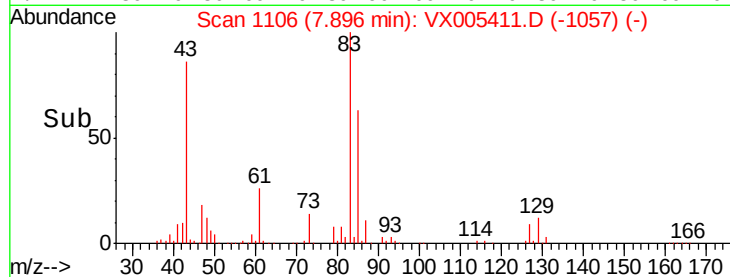
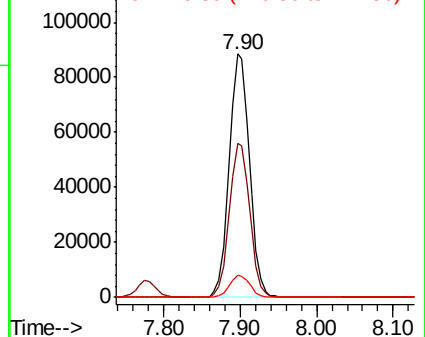
83 100

85 63.1 50.9 76.3

127 9.1 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: 53.403 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

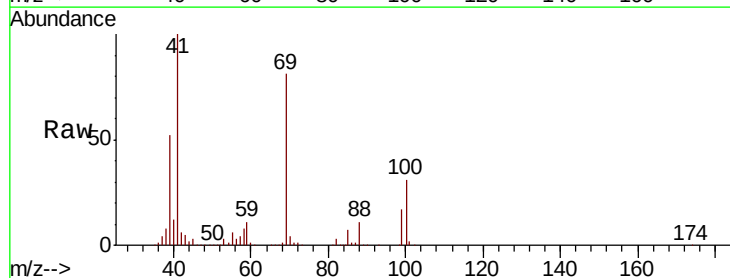
Tgt Ion: 41 Resp: 159433

Ion Ratio Lower Upper

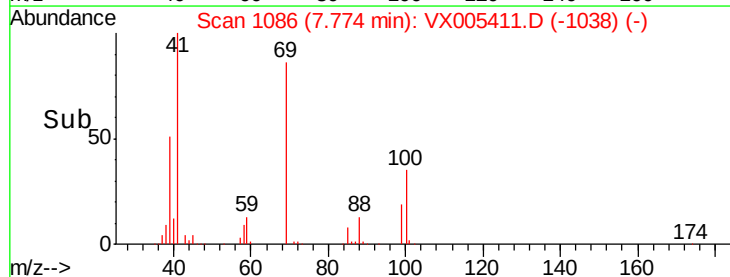
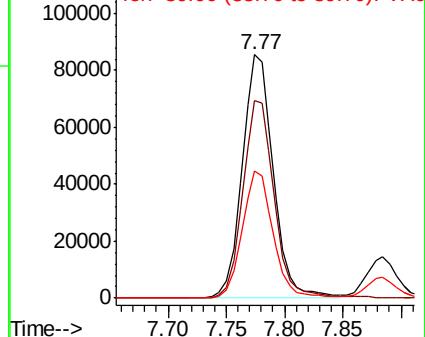
41 100

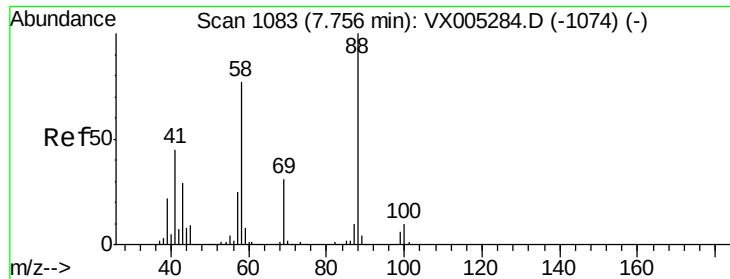
69 82.1 70.2 105.4

39 51.7 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

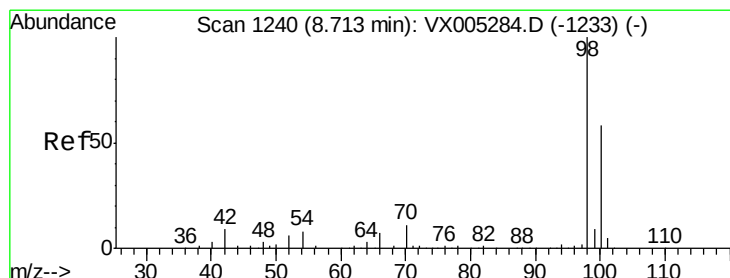
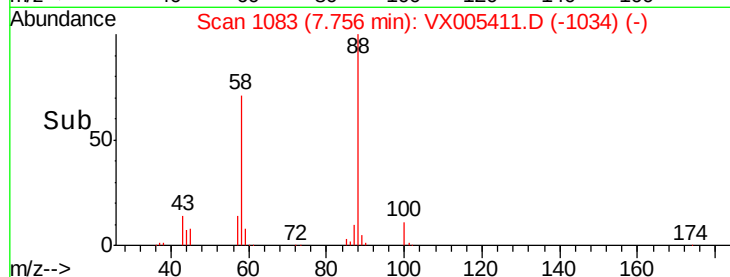
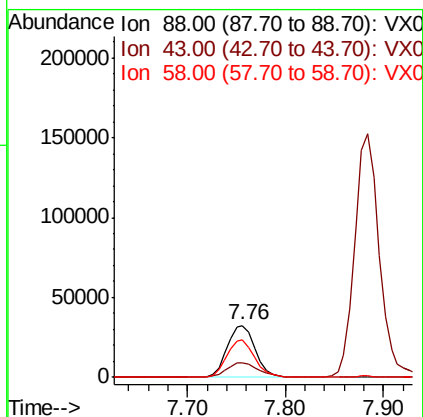
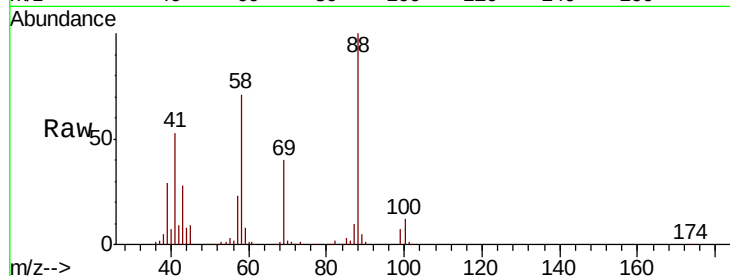




#49
1,4-Dioxane
Concen: 948.778 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

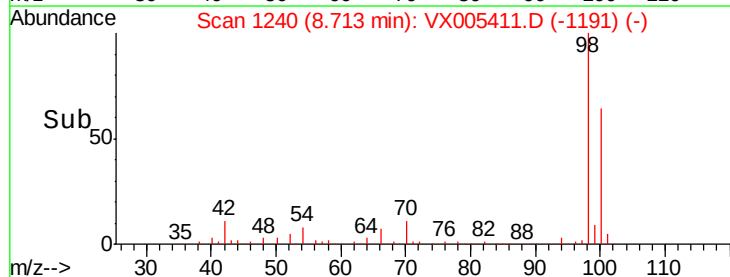
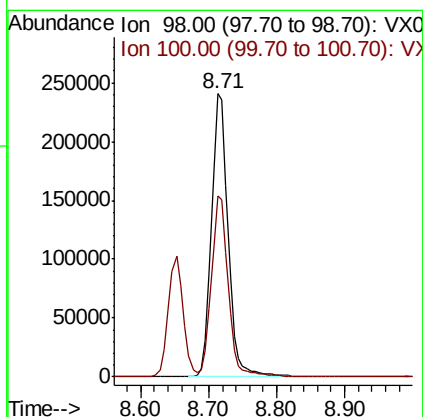
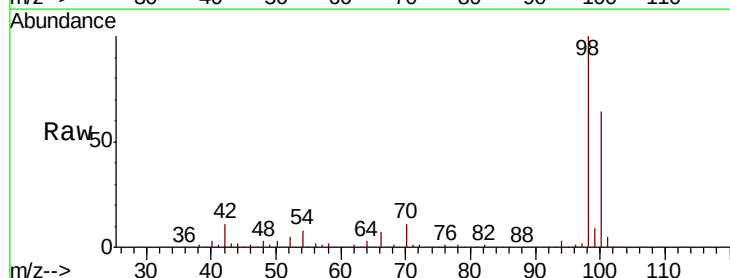
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

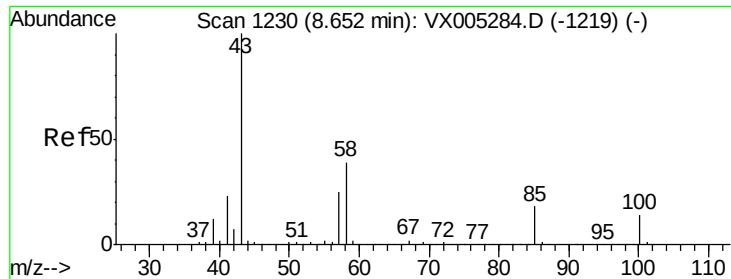
Tot Ion: 88 Resp: 65332
Ion Ratio Lower Upper
88 100
43 32.7 24.7 37.1
58 70.5 55.3 82.9



#50
Toluene-d8
Concen: 51.944 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 98 Resp: 409776
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 272.593 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

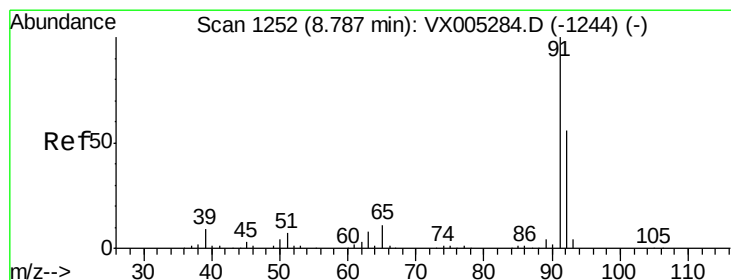
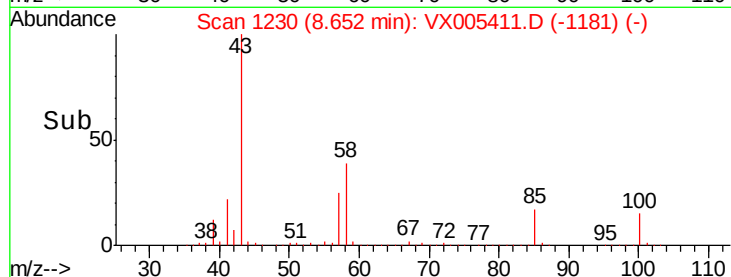
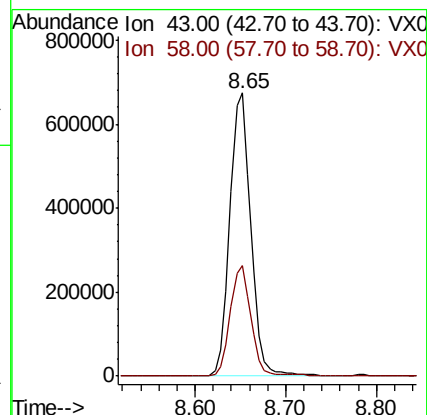
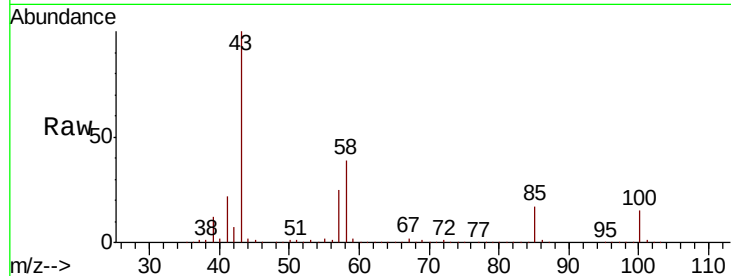
RLF-GW-9SMS

Tot Ion: 43 Resp: 1086469

Ion Ratio Lower Upper

43 100

58 38.4 33.1 49.7



#52

Toluene

Concen: 53.627 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005411.D

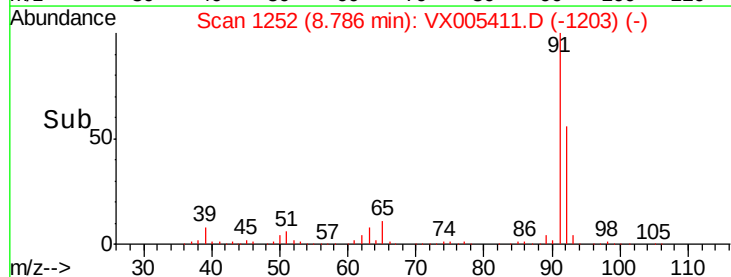
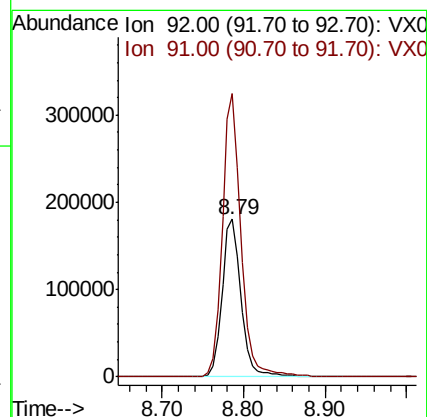
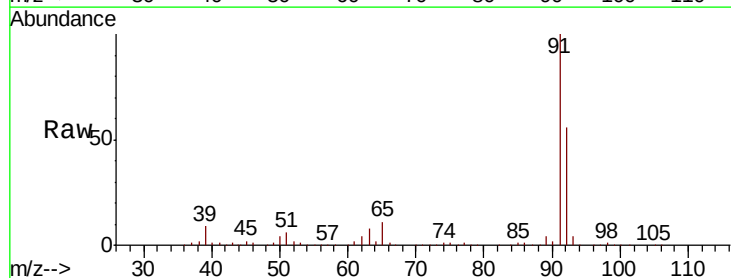
Acq: 18 Oct 2018 01:07

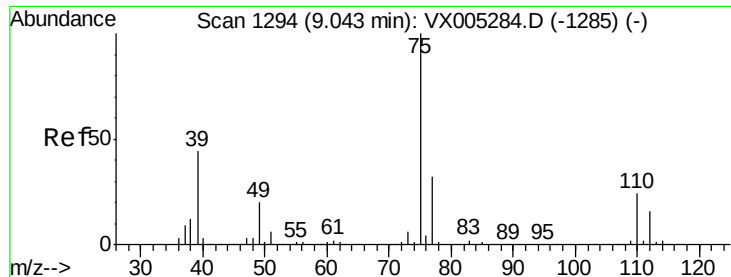
Tgt Ion: 92 Resp: 295725

Ion Ratio Lower Upper

92 100

91 175.8 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 54.094 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

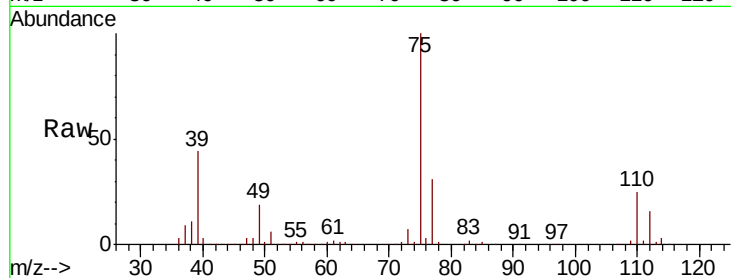
RLF-GW-9SMS

Tot Ion: 75 Resp: 176706

Ion Ratio Lower Upper

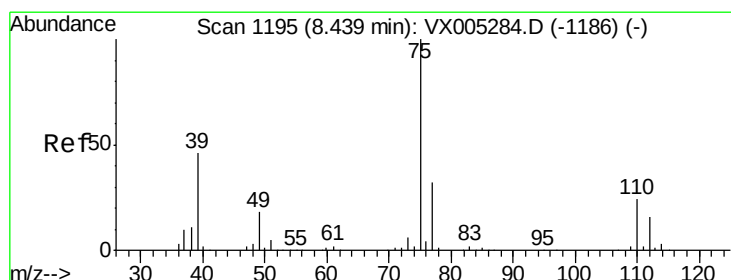
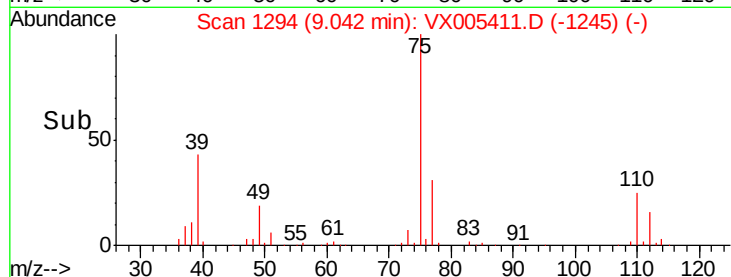
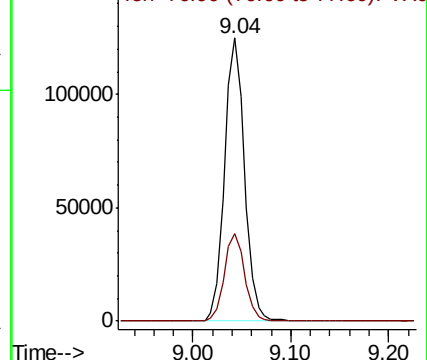
75 100

77 30.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.223 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

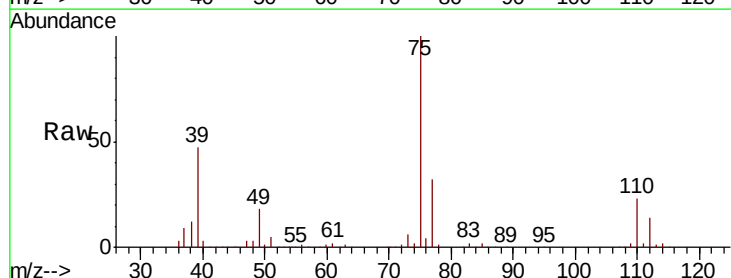
Tgt Ion: 75 Resp: 184847

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

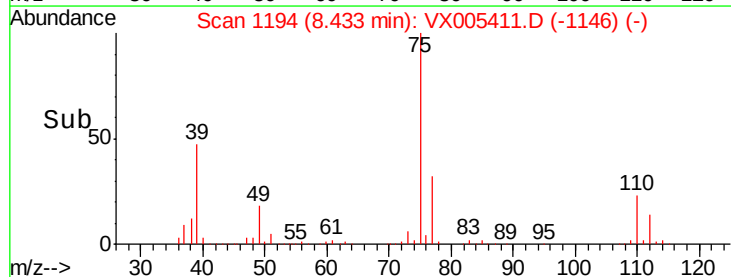
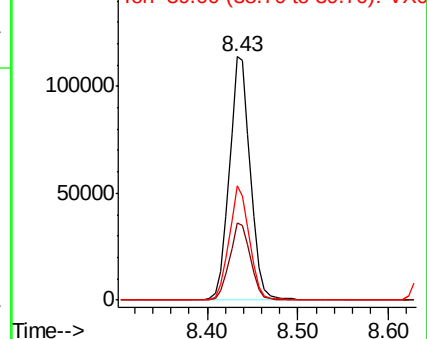
39 47.1 36.4 54.6

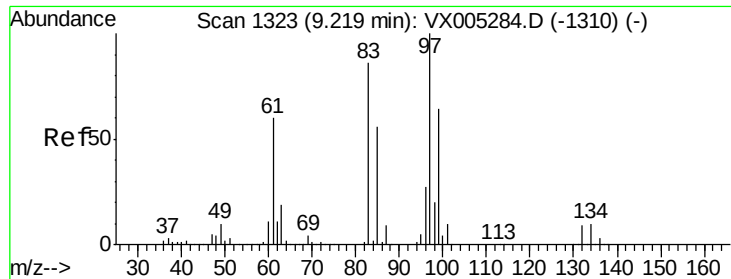


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

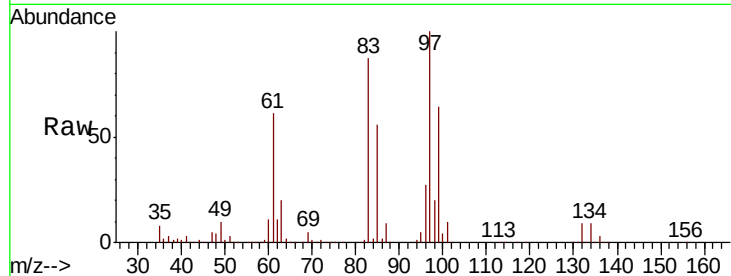




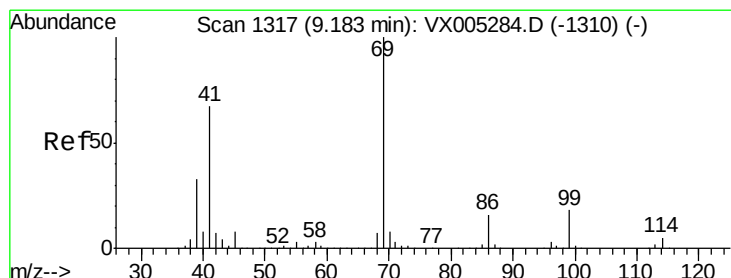
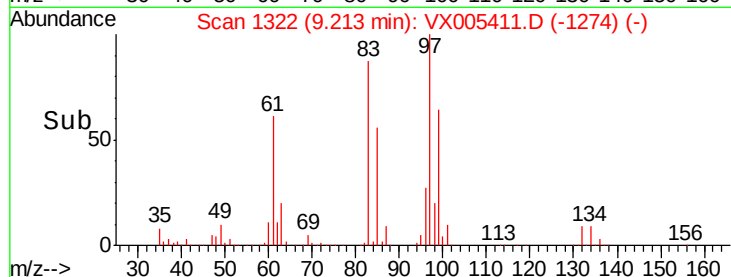
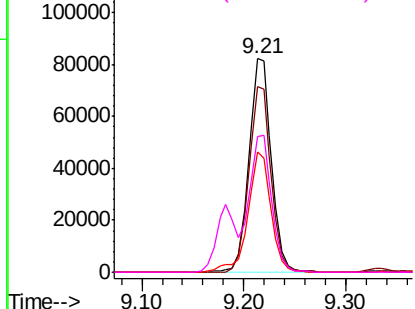
#55
 1,1,2-Trichloroethane
 Concen: 53.959 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tot Ion: 97 Resp: 126031
 Ion Ratio Lower Upper
 97 100
 83 86.7 66.4 99.6
 85 56.5 43.3 64.9
 99 63.8 49.0 73.4

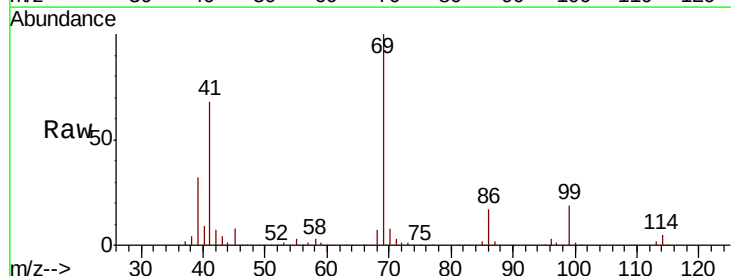


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

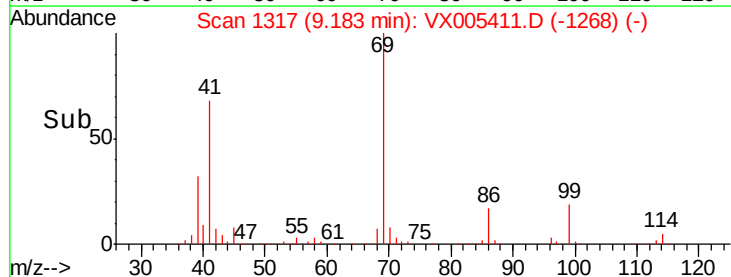
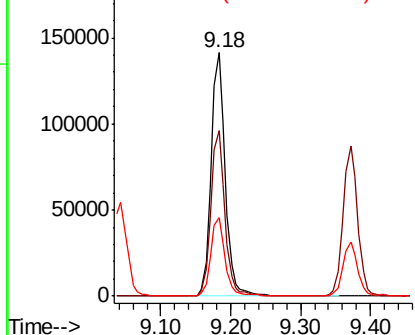


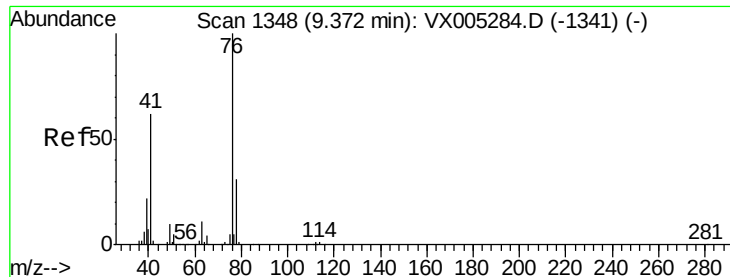
#56
 Ethyl methacrylate
 Concen: 58.003 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 69 Resp: 197498
 Ion Ratio Lower Upper
 69 100
 41 67.9 51.0 76.4
 39 32.5 26.1 39.1



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





#57

1,3-Dichloropropane

Concen: 53.523 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

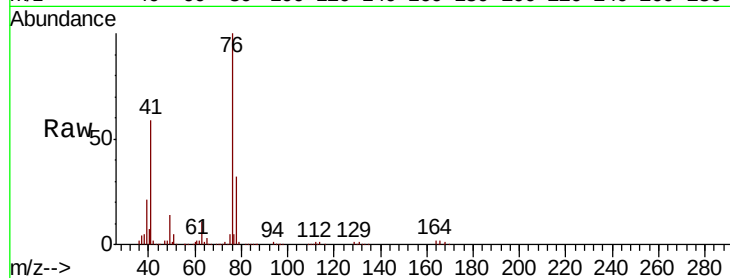
RLF-GW-9SMS

Tot Ion: 76 Resp: 208656

Ion Ratio Lower Upper

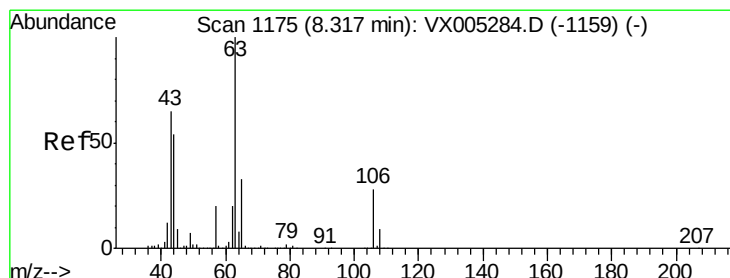
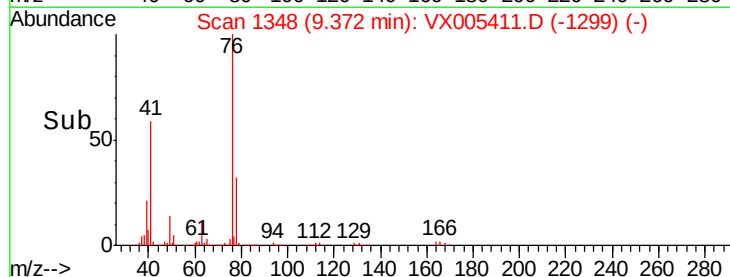
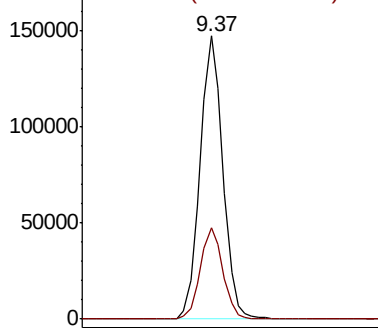
76 100

78 32.1 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: 0.454 ug/l

RT: 8.28 min Scan# 1169

Delta R.T. -0.04 min

Lab File: VX005411.D

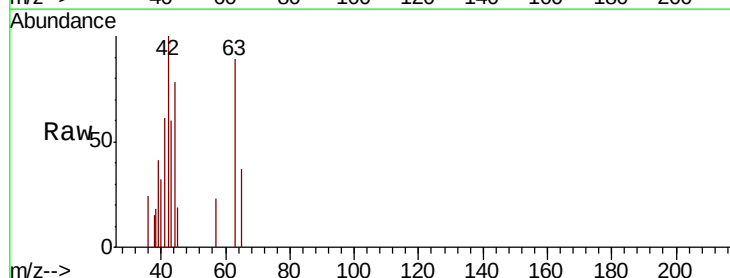
Acq: 18 Oct 2018 01:07

Tgt Ion: 63 Resp: 867

Ion Ratio Lower Upper

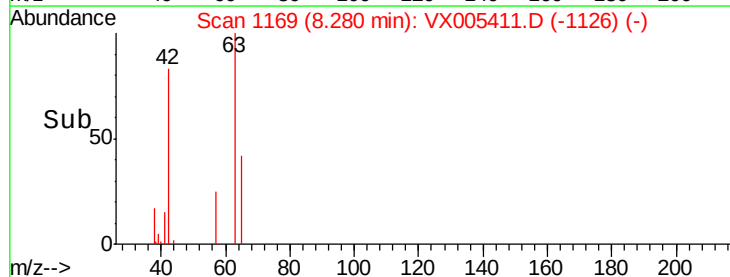
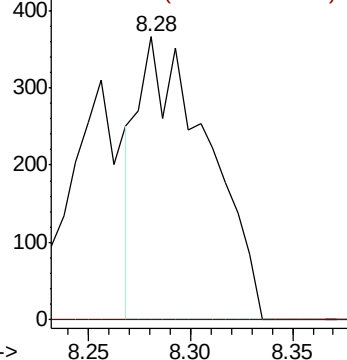
63 100

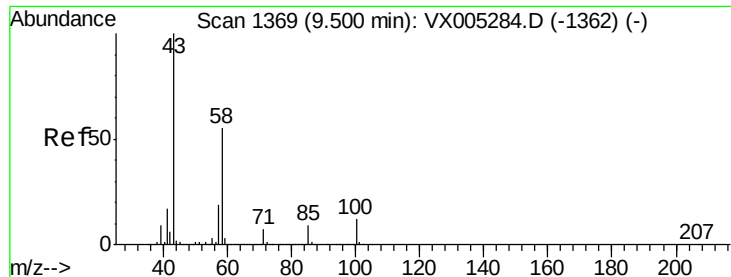
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

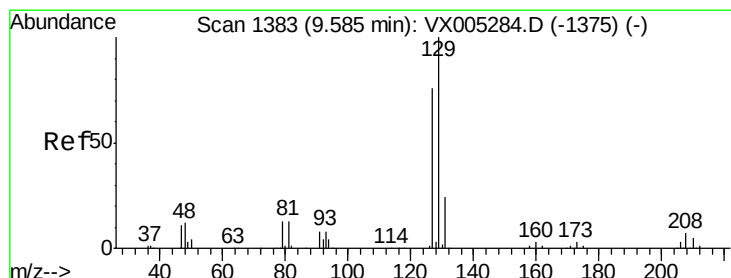
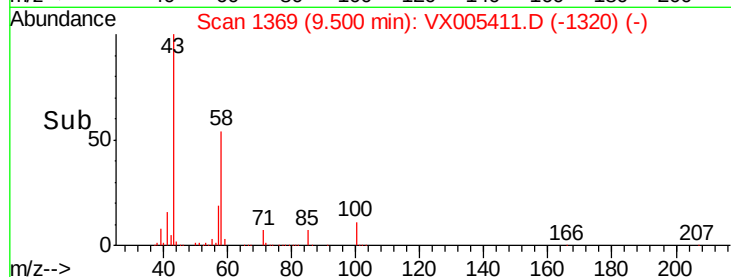
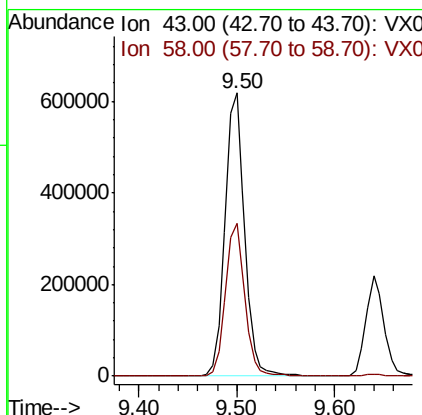
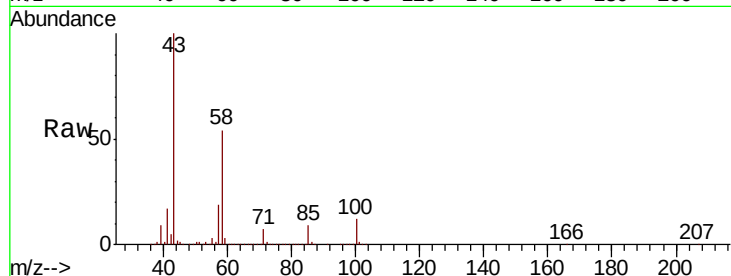




#59
2-Hexanone
Concen: 267.473 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

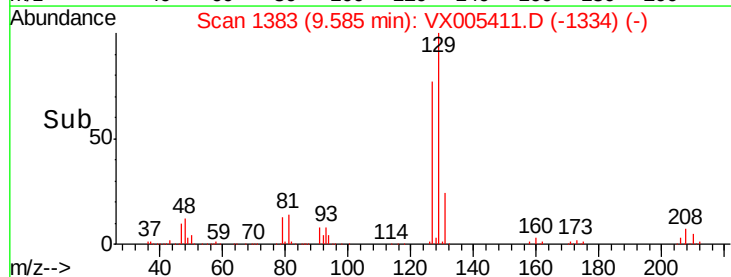
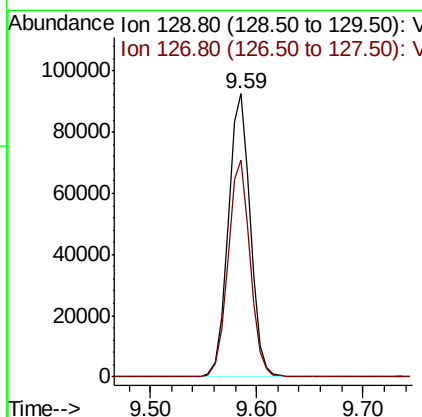
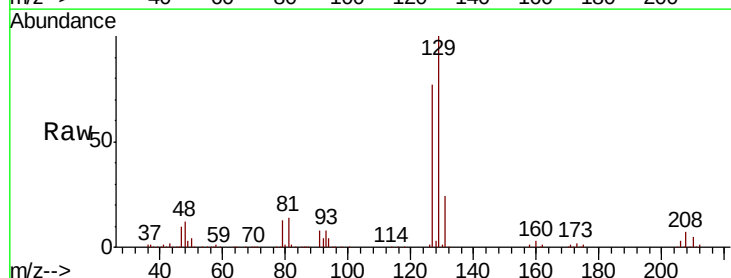
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

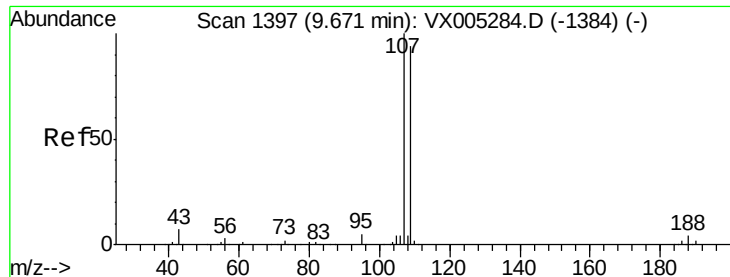
Tot Ion: 43 Resp: 857546
Ion Ratio Lower Upper
43 100
58 53.9 29.0 87.0



#60
Dibromochloromethane
Concen: 55.664 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:129 Resp: 134390
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.378 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

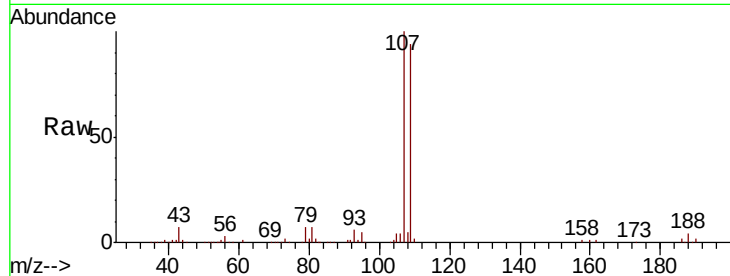
RLF-GW-9SMS

Tot Ion:107 Resp: 130842

Ion Ratio Lower Upper

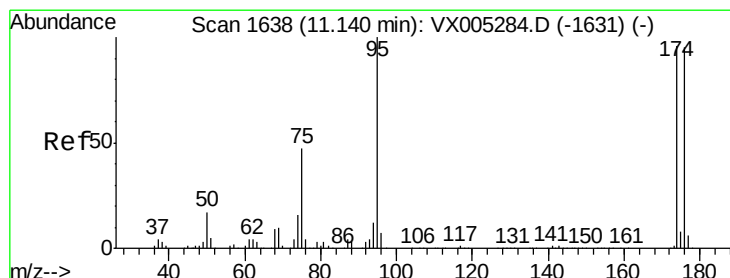
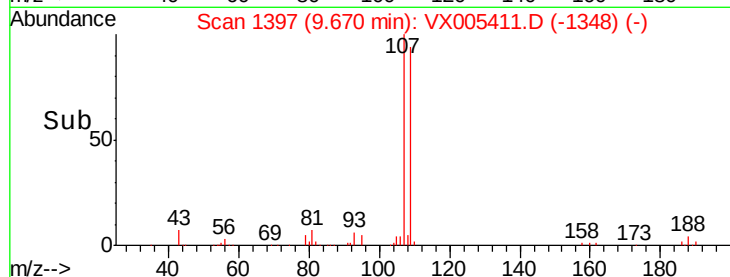
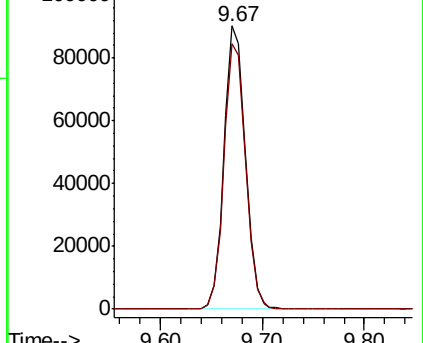
107 100

109 95.0 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: 52.883 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

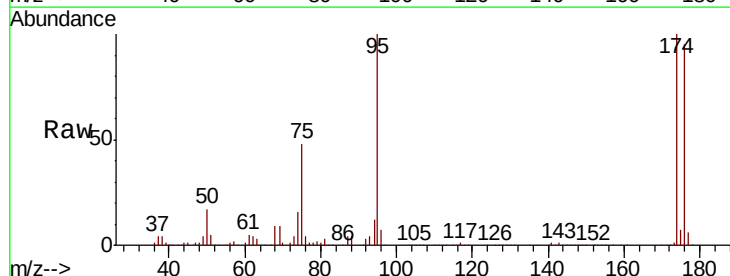
Tgt Ion: 95 Resp: 156721

Ion Ratio Lower Upper

95 100

174 95.5 0.0 185.2

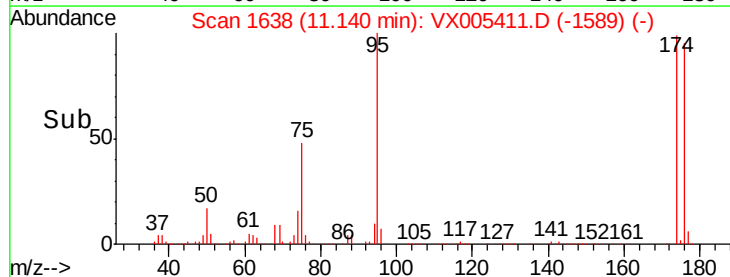
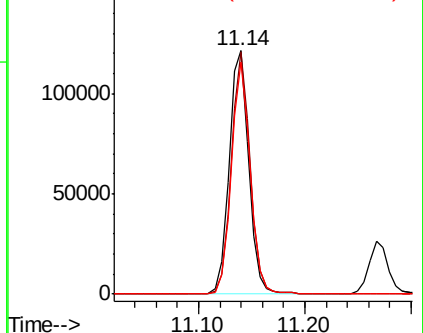
176 91.9 0.0 178.6

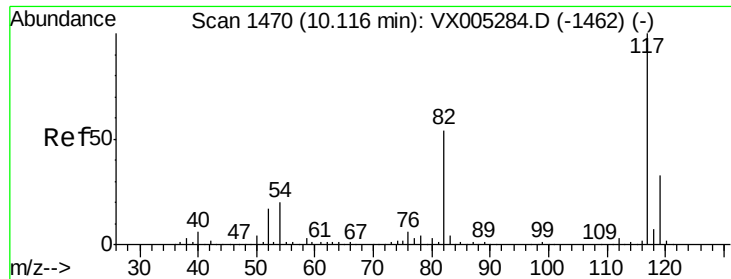


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

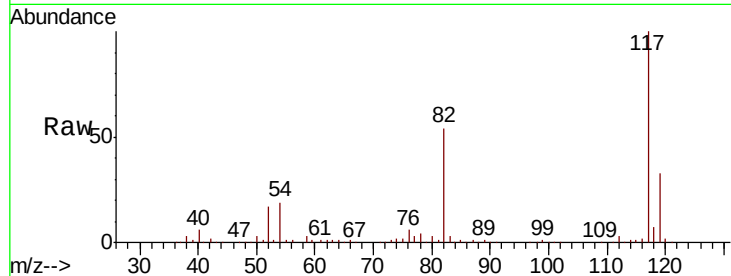




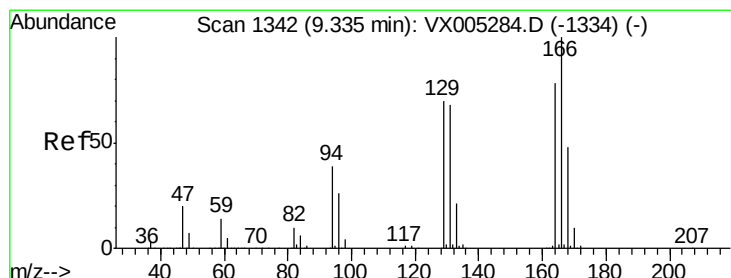
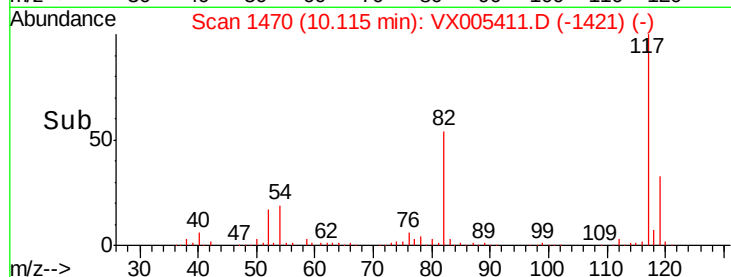
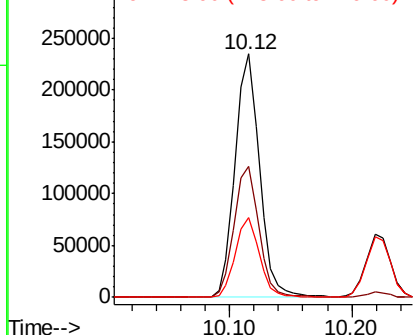
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tot Ion:117 Resp: 325973
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.6 29.3 43.9

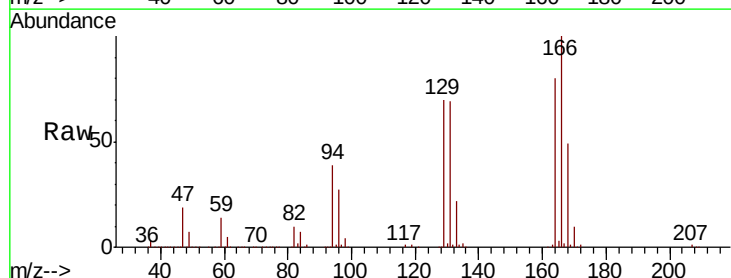


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

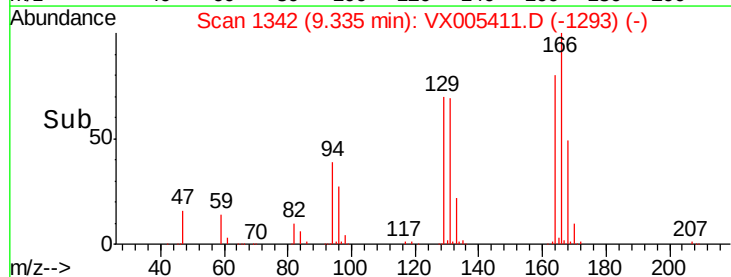
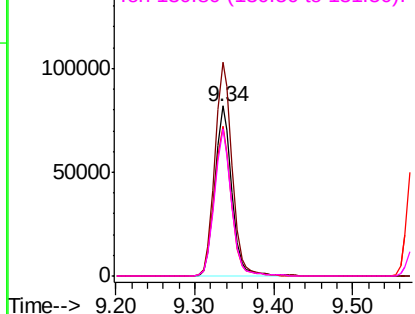


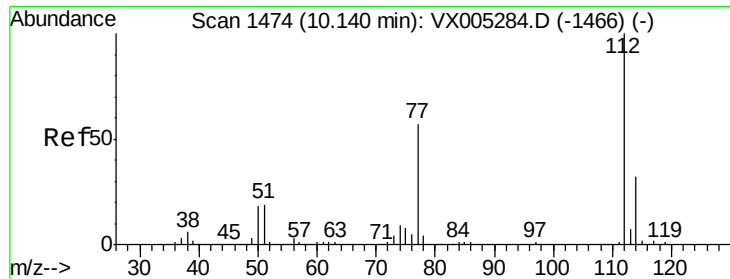
#64
Tetrachloroethene
Concen: 47.014 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:164 Resp: 123376
Ion Ratio Lower Upper
164 100
166 125.6 102.8 154.2
129 87.9 69.4 104.0
131 86.9 67.9 101.9



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

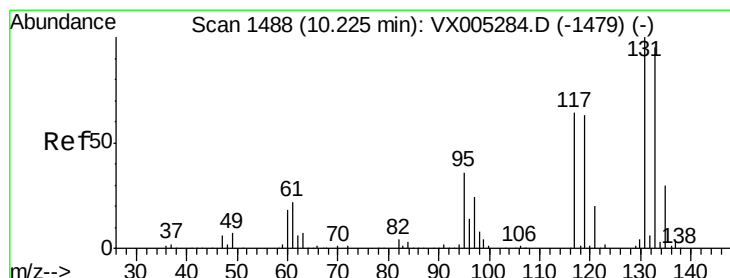
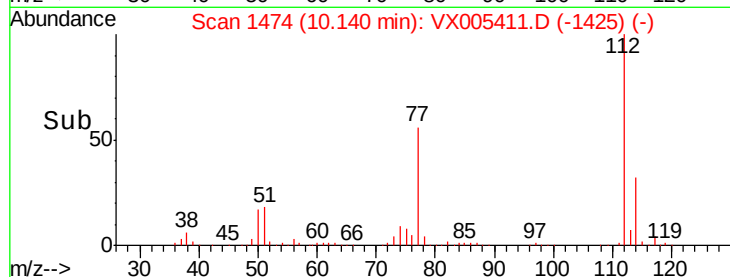
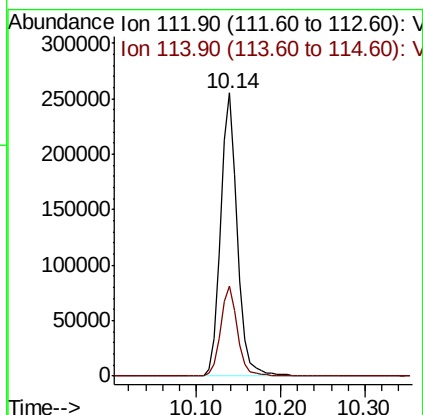
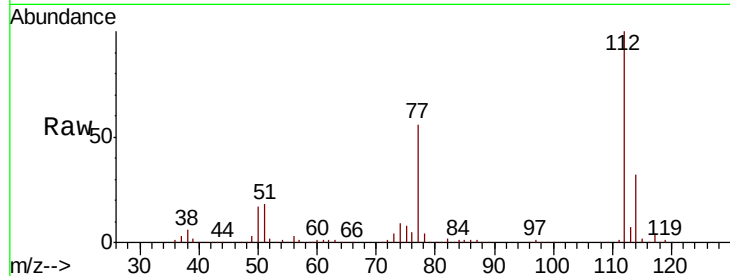




#65
Chlorobenzene
Concen: 50.483 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

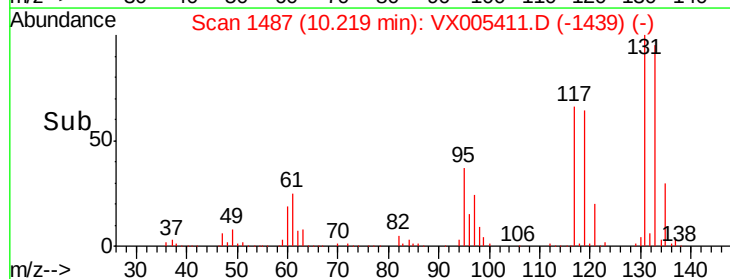
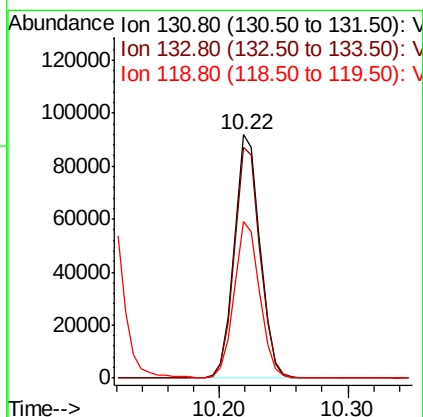
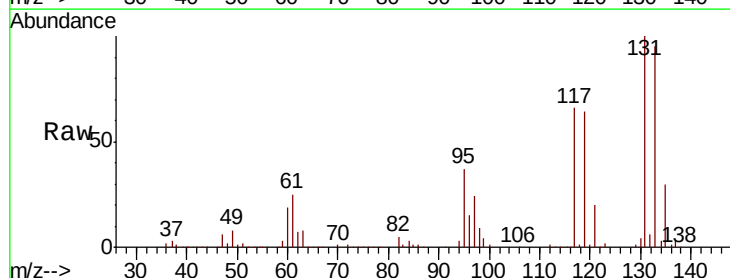
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

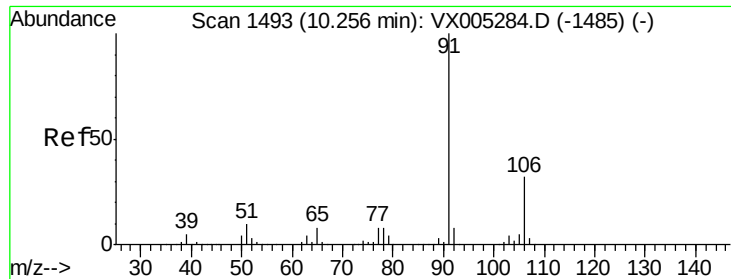
Tot Ion:112 Resp: 350040
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.611 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:131 Resp: 127527
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 64.1 32.9 98.6

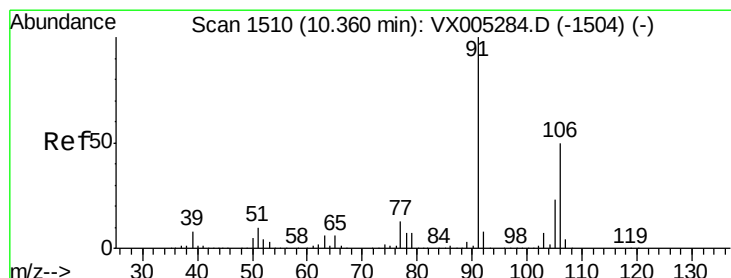
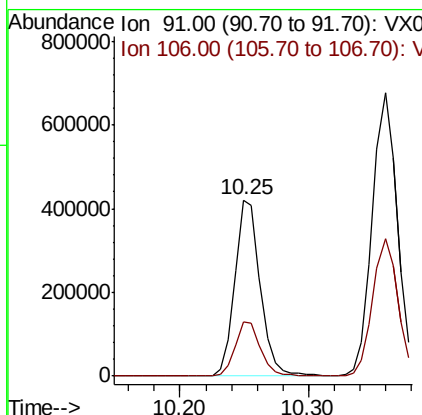
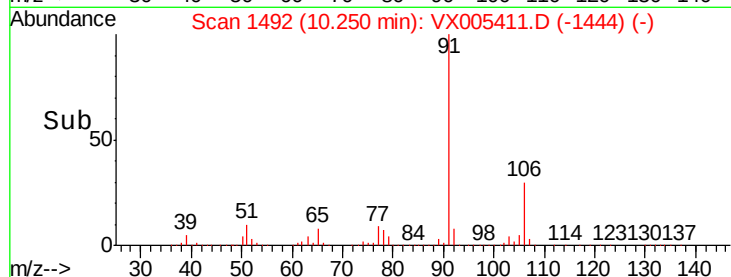
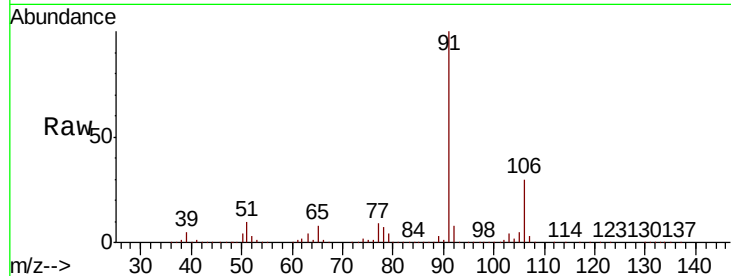




#67
Ethyl Benzene
Concen: 51.460 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

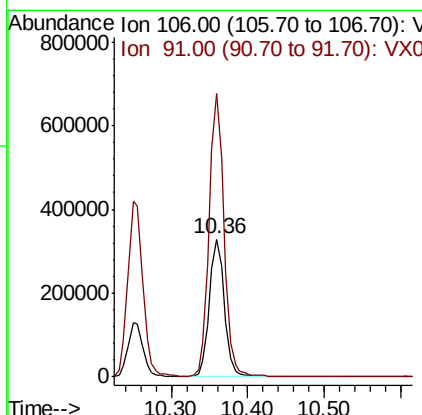
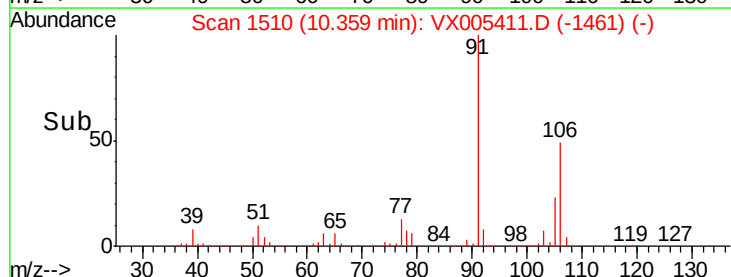
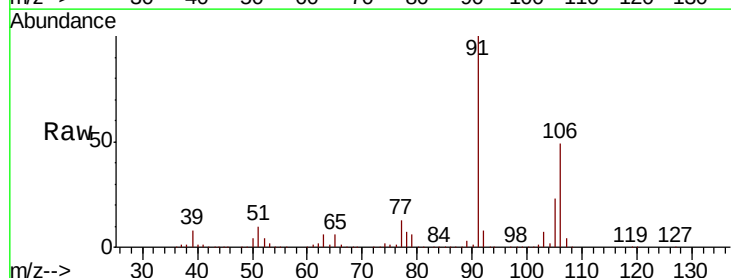
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

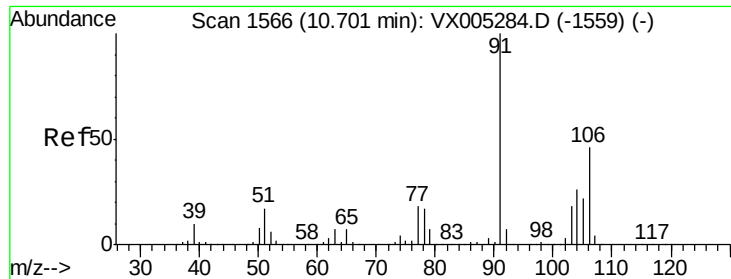
Tot Ion: 91 Resp: 580060
Ion Ratio Lower Upper
91 100
106 30.5 25.9 38.9



#68
m/p-Xylenes
Concen: 102.835 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 106 Resp: 449914
Ion Ratio Lower Upper
106 100
91 204.1 157.1 235.7

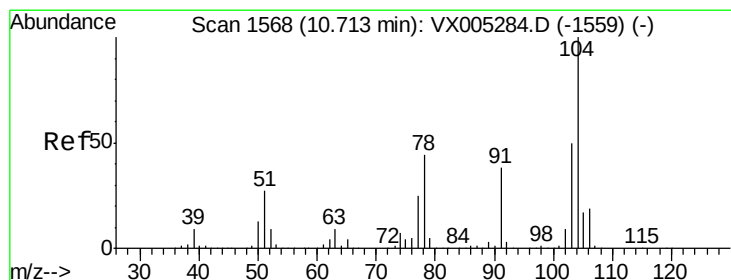
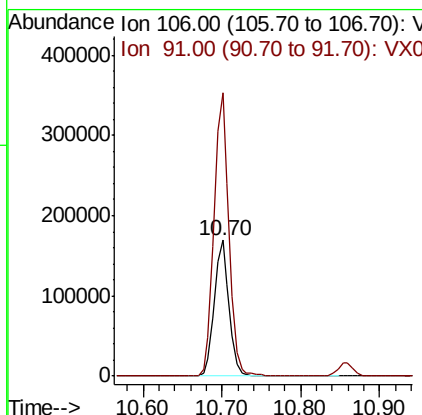
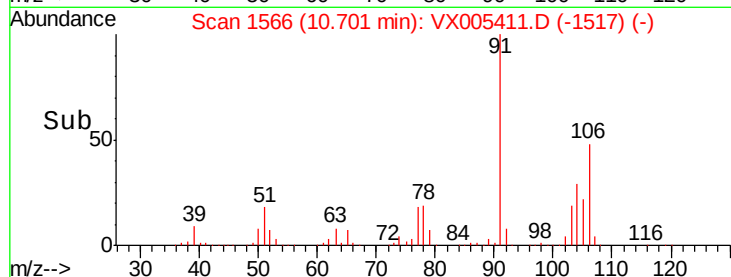
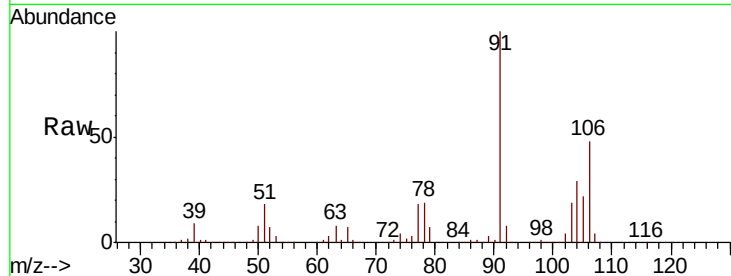




#69
o-Xylene
Concen: 52.092 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

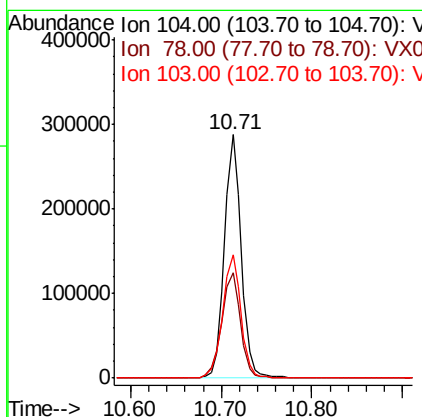
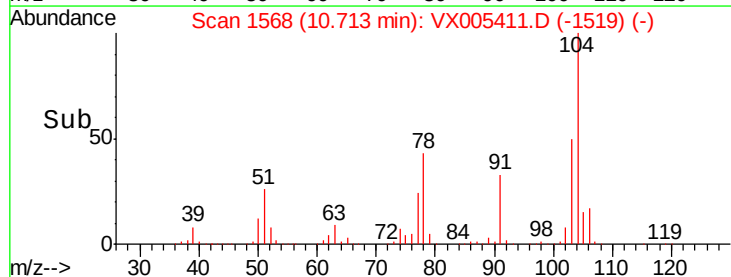
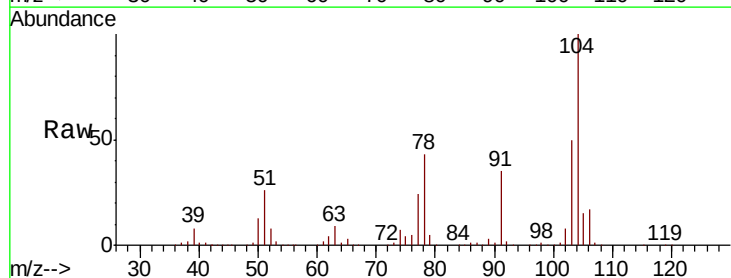
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

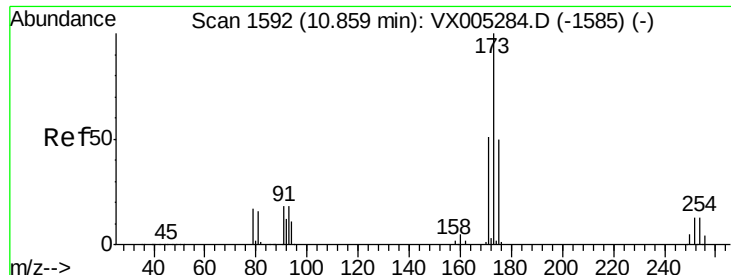
Tot Ion:106 Resp: 219801
Ion Ratio Lower Upper
106 100
91 212.1 105.1 315.1



#70
Styrene
Concen: 53.704 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:104 Resp: 372717
Ion Ratio Lower Upper
104 100
78 49.0 37.4 56.0
103 55.4 43.8 65.6

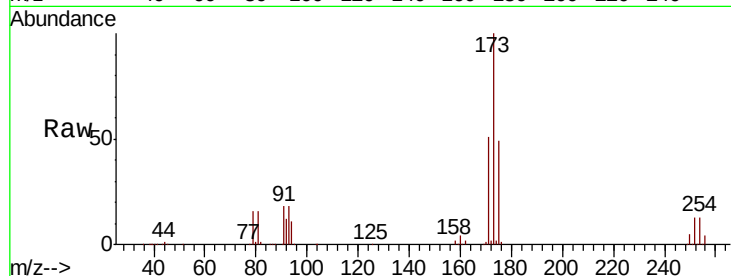




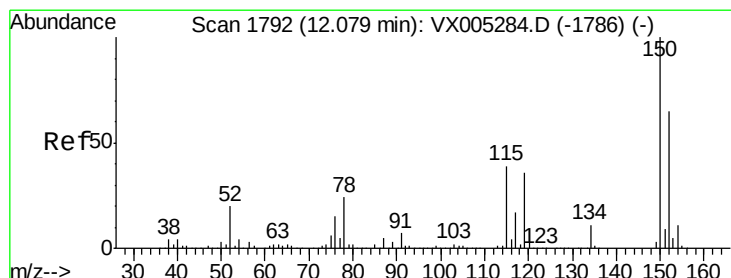
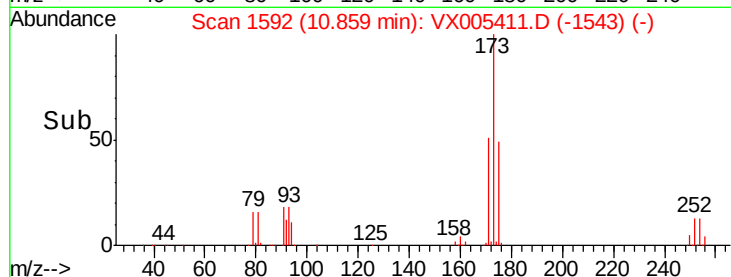
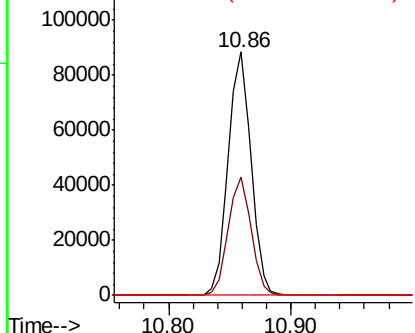
#71
Bromoform
Concen: 51.685 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMS

Tot Ion:173 Resp: 114126
Ion Ratio Lower Upper
173 100
175 48.8 24.1 72.3
254 0.2 0.2 0.2

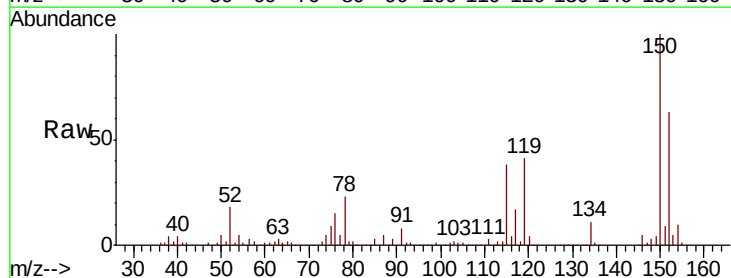


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

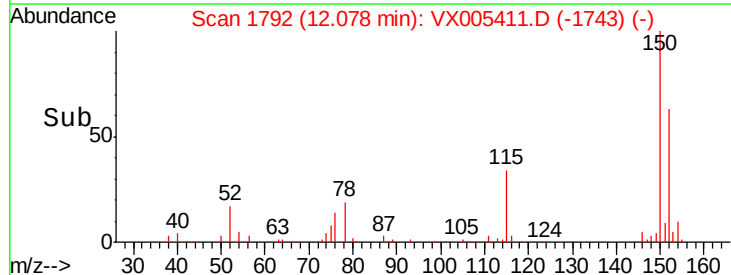
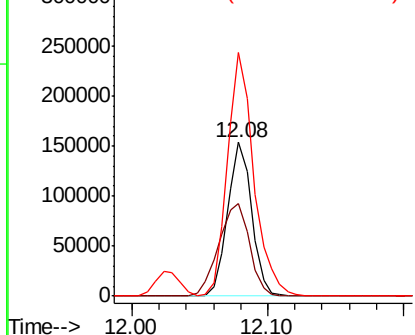


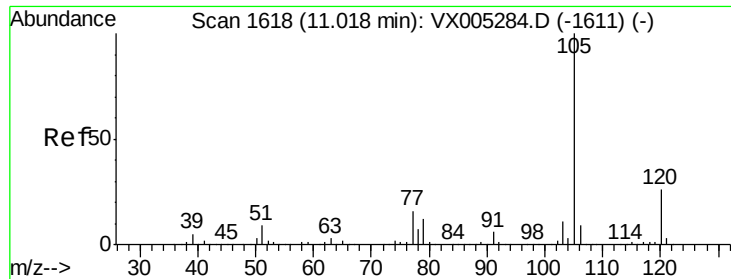
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion:152 Resp: 188771
Ion Ratio Lower Upper
152 100
115 76.9 39.0 117.0
150 174.1 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: 53.214 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

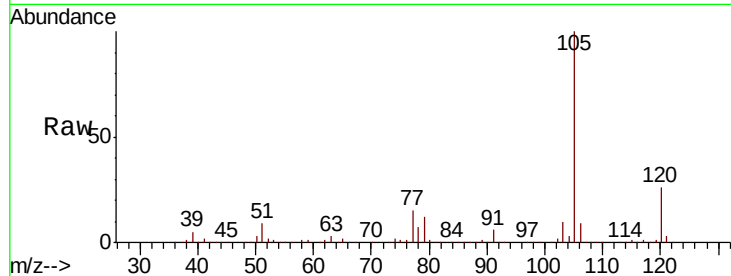
RLF-GW-9SMS

Tot Ion:105 Resp: 597160

Ion Ratio Lower Upper

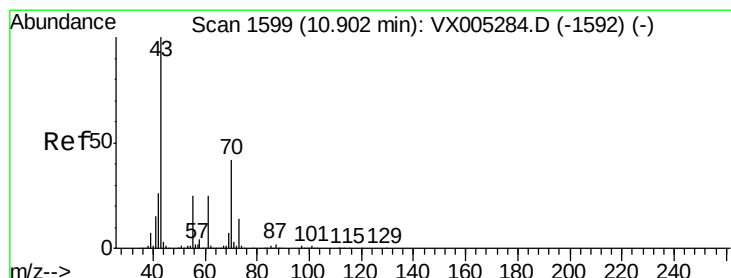
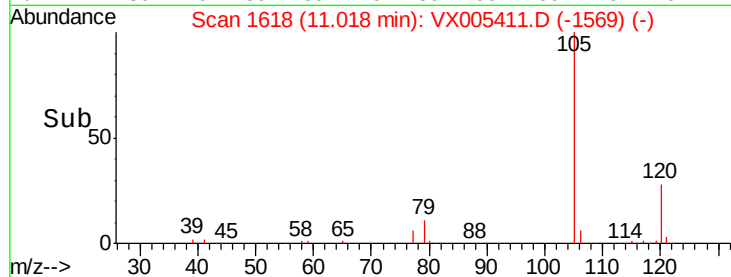
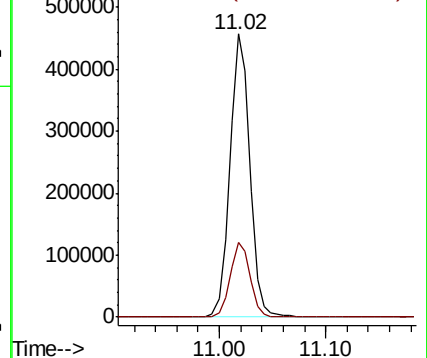
105 100

120 26.6 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: 52.645 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Tgt Ion: 43 Resp: 284939

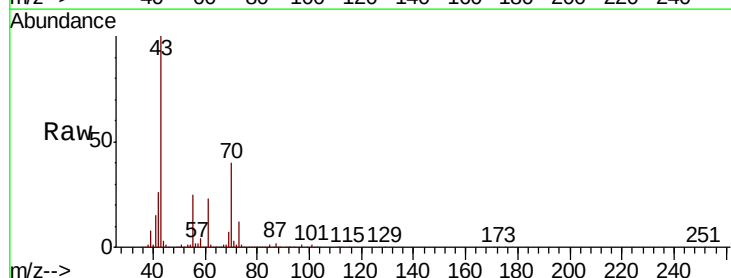
Ion Ratio Lower Upper

43 100

70 41.6 37.4 56.0

55 25.1 21.8 32.8

61 23.8 20.6 30.8

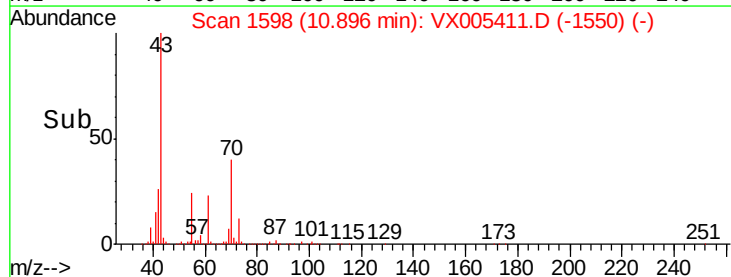
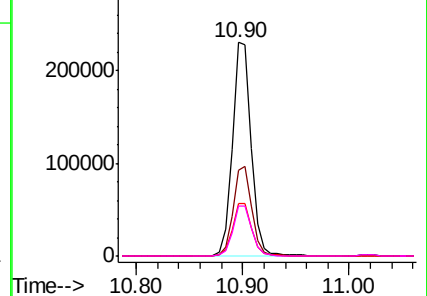


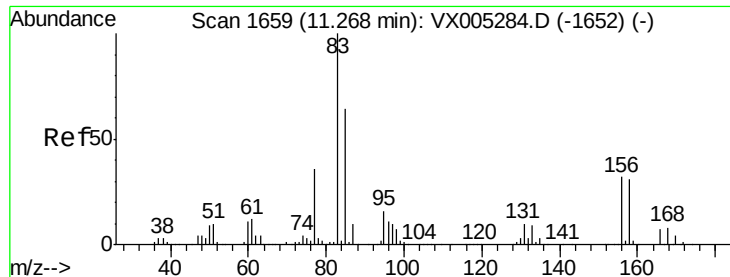
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.036 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

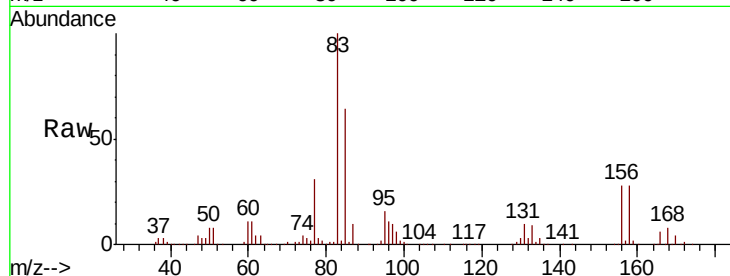
Tot Ion: 83 Resp: 211812

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

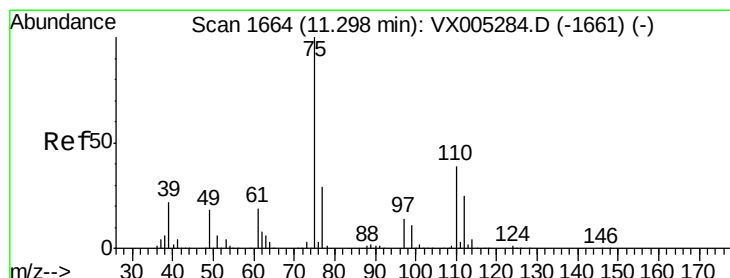
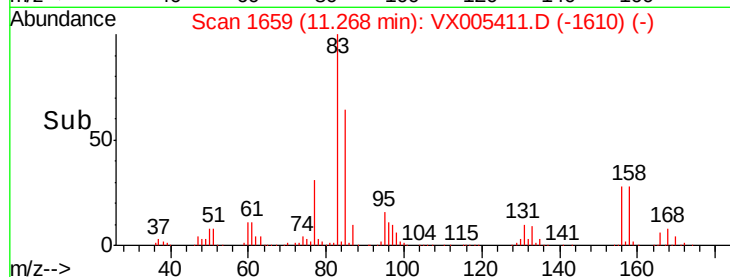
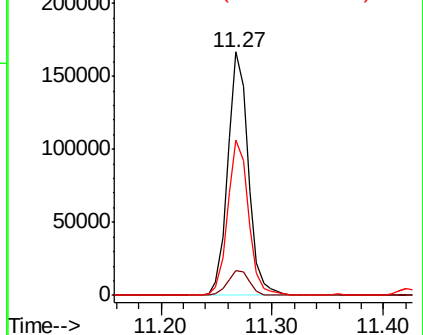
85 64.7 32.3 96.8



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: 66.000 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005411.D

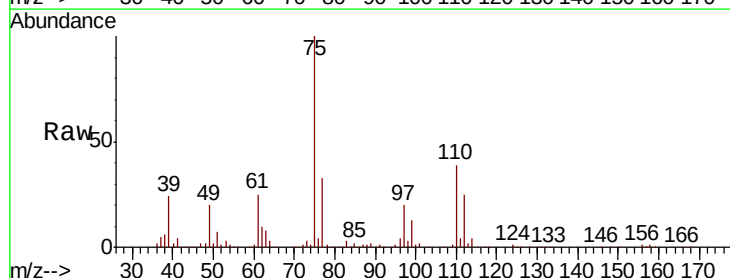
Acq: 18 Oct 2018 01:07

Tgt Ion: 75 Resp: 241668

Ion Ratio Lower Upper

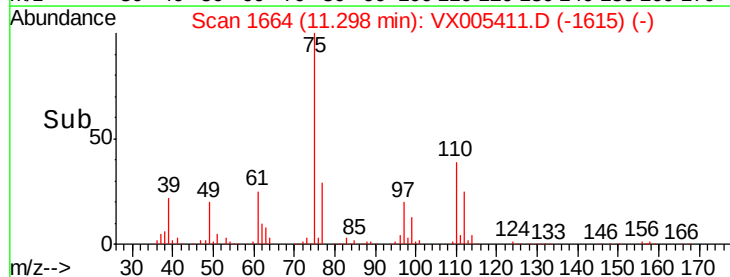
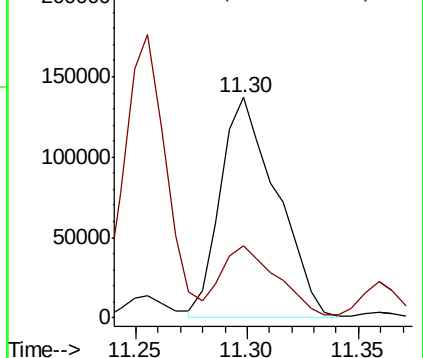
75 100

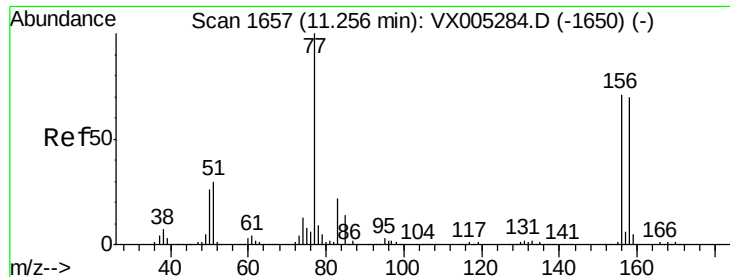
77 32.5 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.920 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

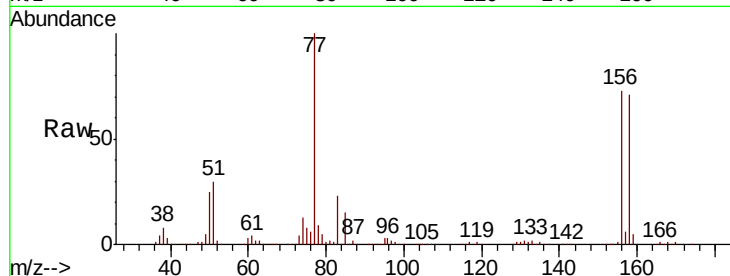
Tot Ion:156 Resp: 163384

Ion Ratio Lower Upper

156 100

77 141.1 71.5 214.3

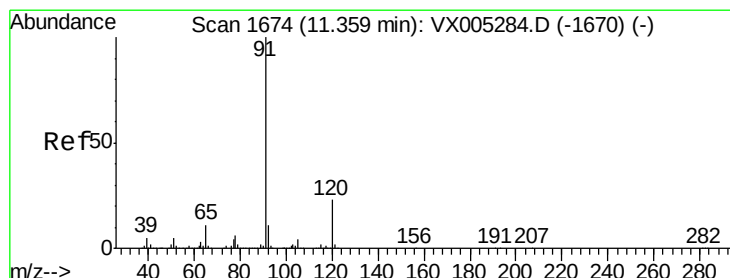
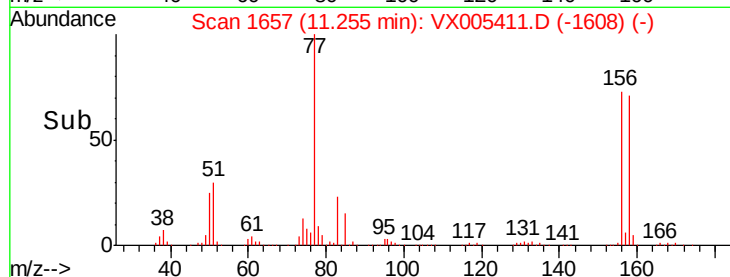
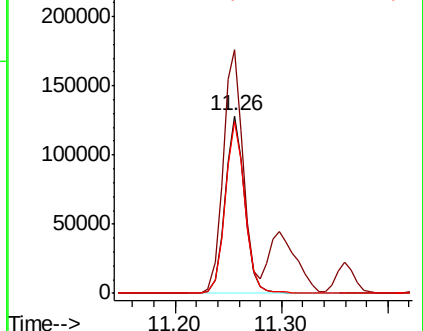
158 98.0 48.9 146.8



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: 52.413 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005411.D

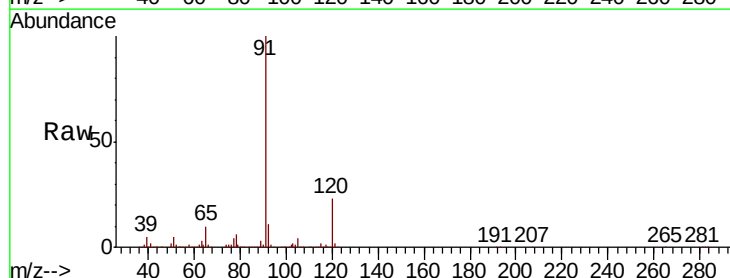
Acq: 18 Oct 2018 01:07

Tgt Ion: 91 Resp: 676828

Ion Ratio Lower Upper

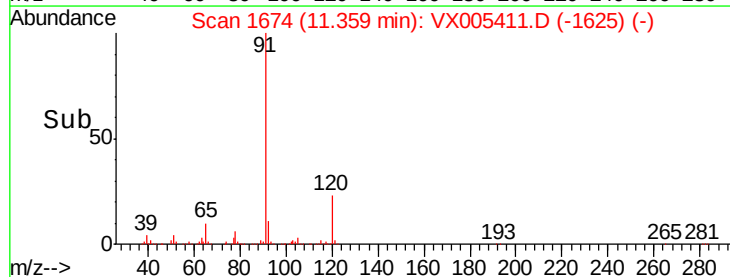
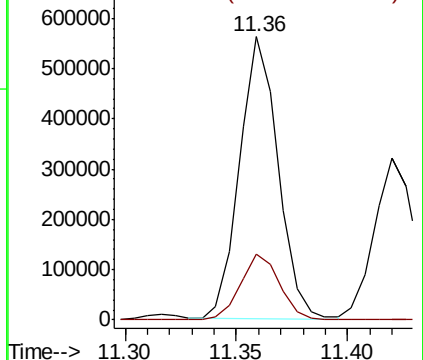
91 100

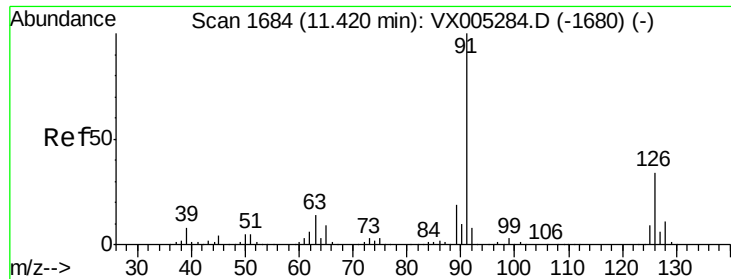
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

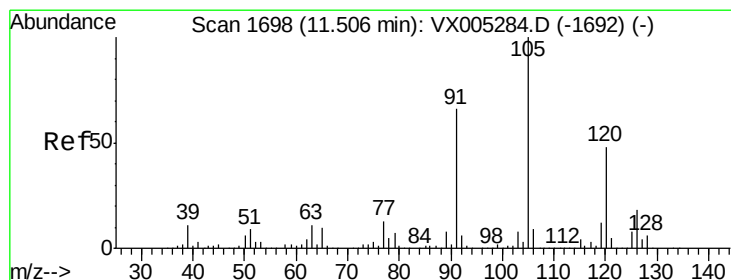
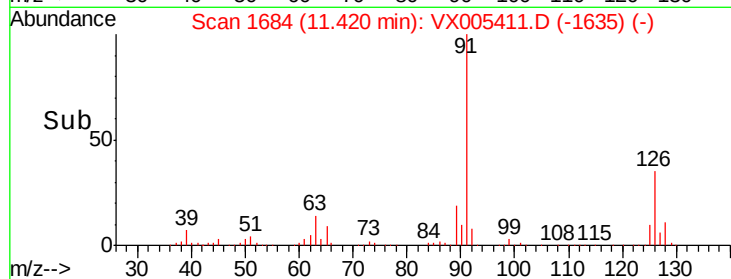
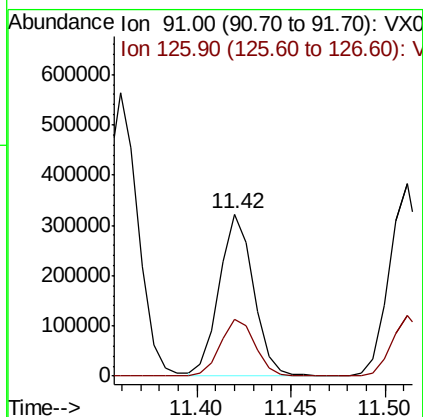
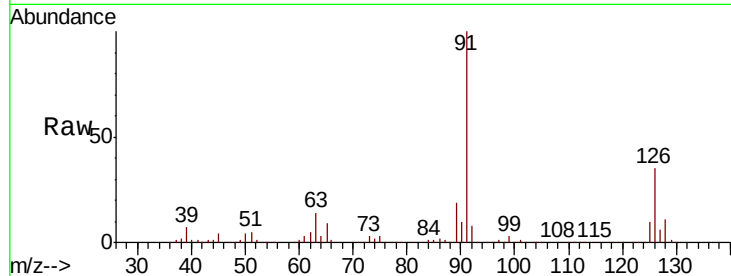




#79
 2-Chlorotoluene
 Concen: 50.673 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

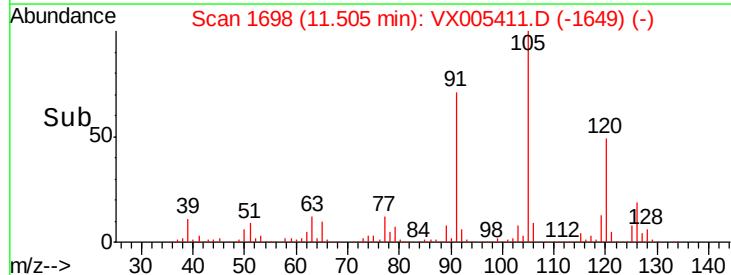
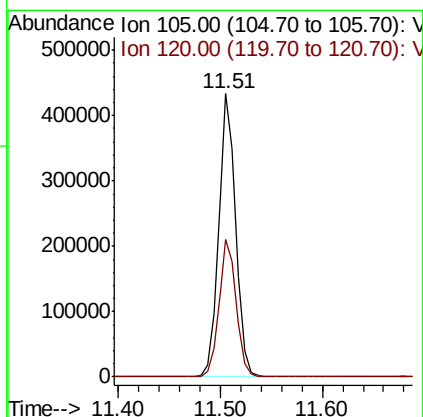
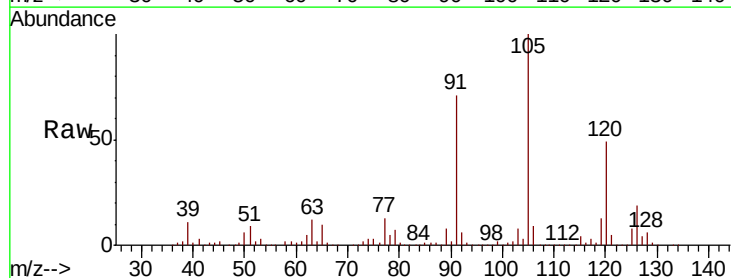
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

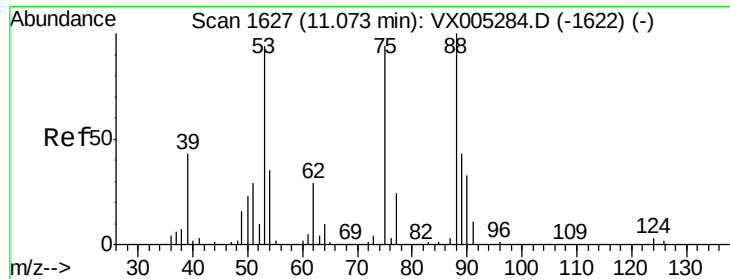
Tot Ion: 91 Resp: 400752
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.628 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion: 105 Resp: 505742
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.548 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

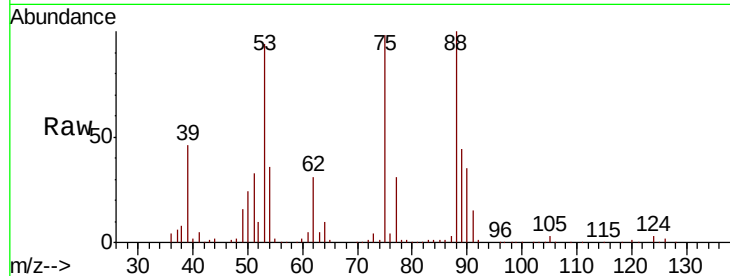
Tot Ion: 75 Resp: 56094

Ion Ratio Lower Upper

75 100

53 97.3 80.1 120.1

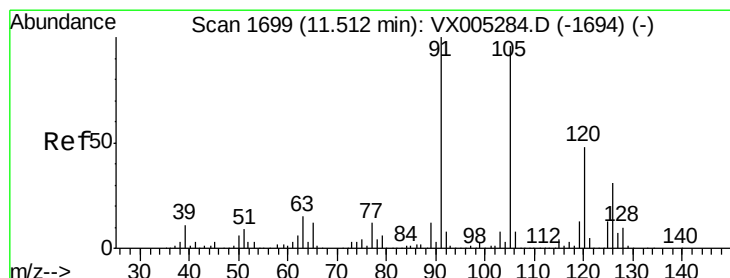
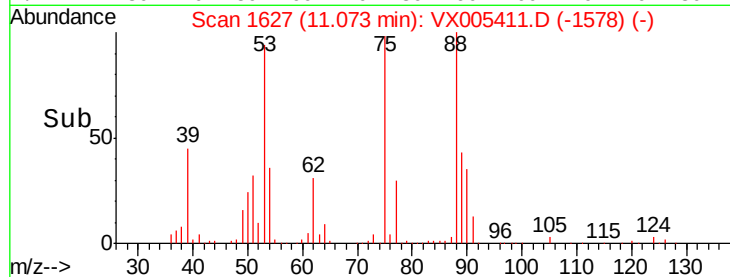
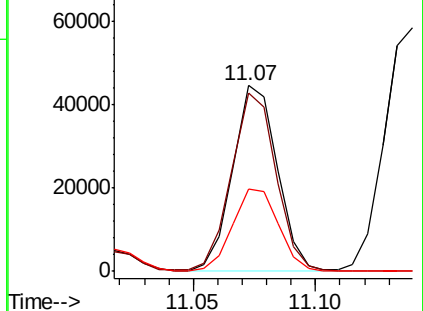
89 46.7 37.2 55.8



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: 51.101 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005411.D

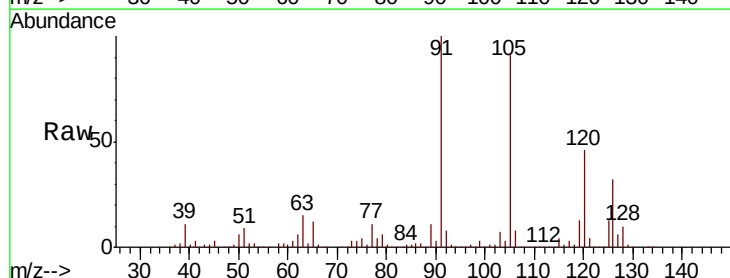
Acq: 18 Oct 2018 01:07

Tgt Ion: 91 Resp: 479073

Ion Ratio Lower Upper

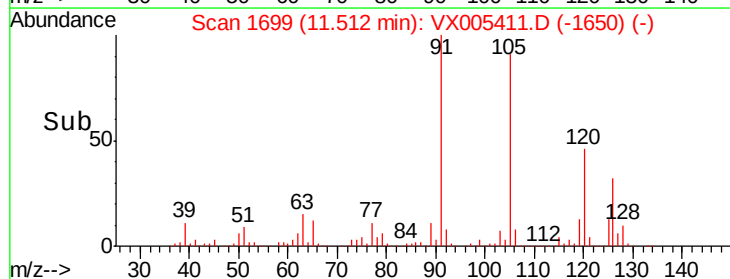
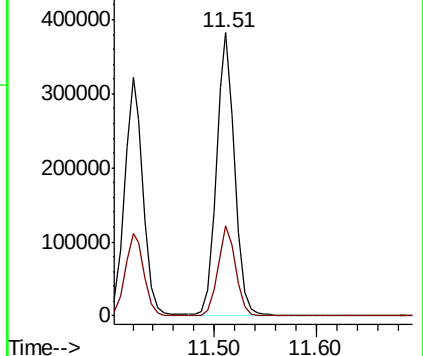
91 100

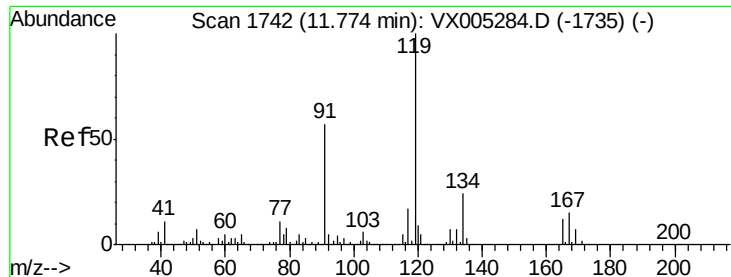
126 31.2 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

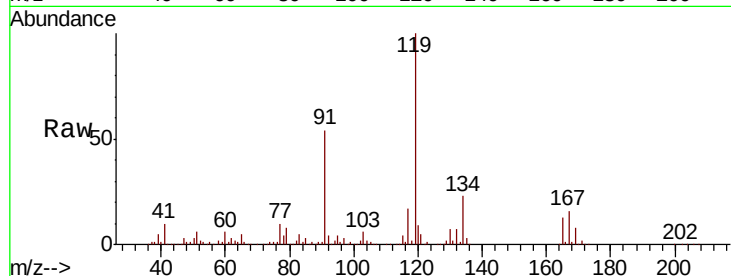




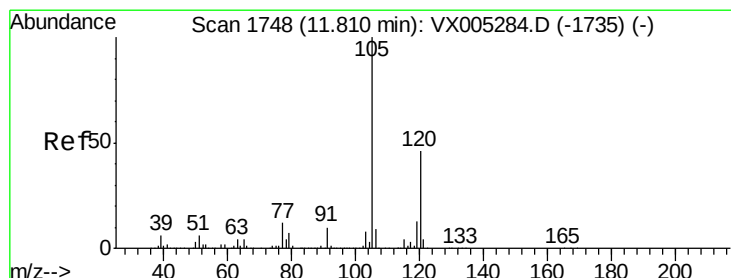
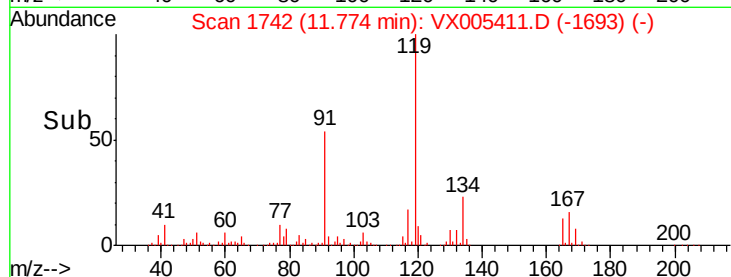
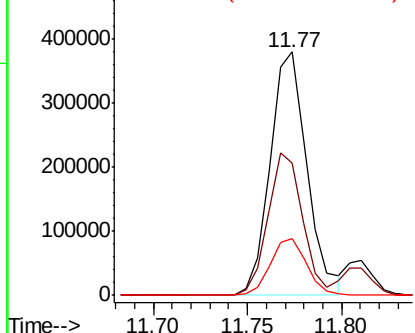
#83
 tert-Butylbenzene
 Concen: 53.030 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

Tot Ion:119 Resp: 516055
 Ion Ratio Lower Upper
 119 100
 91 54.9 27.0 81.0
 134 22.8 11.7 35.1

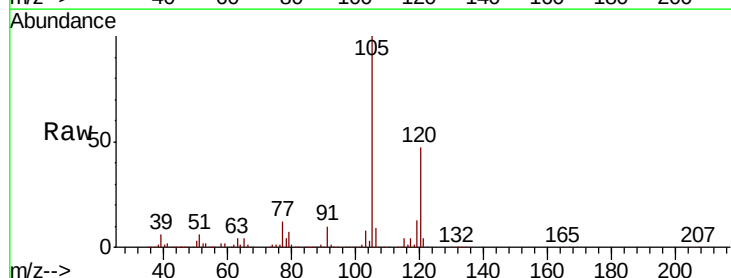


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

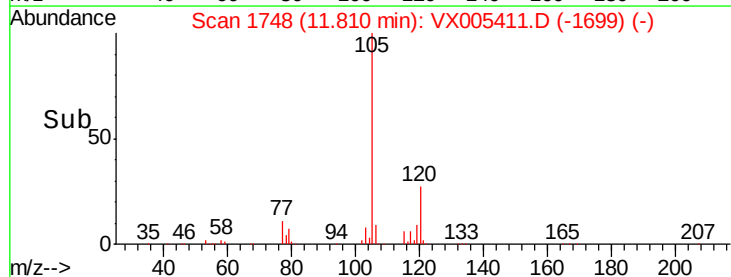
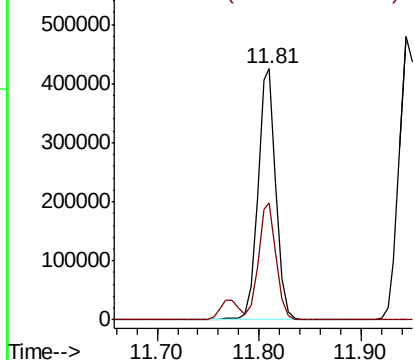


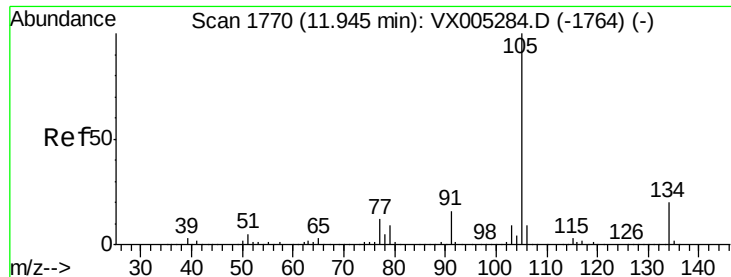
#84
 1,2,4-Trimethylbenzene
 Concen: 53.151 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion:105 Resp: 525633
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.6



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

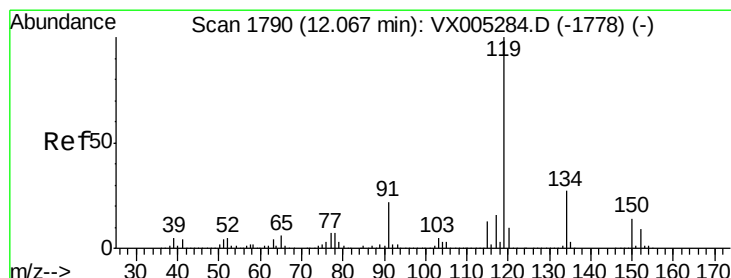
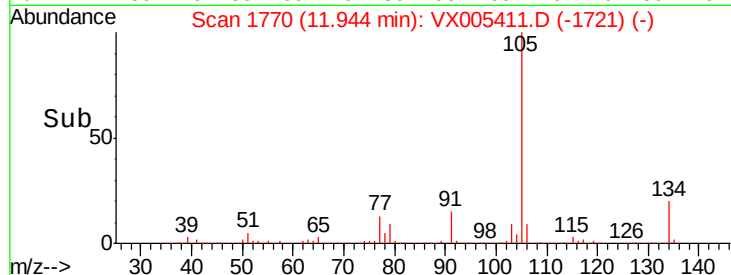
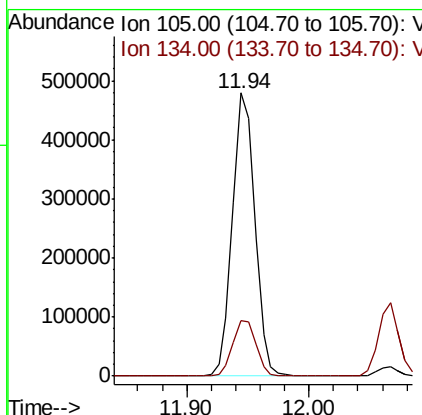
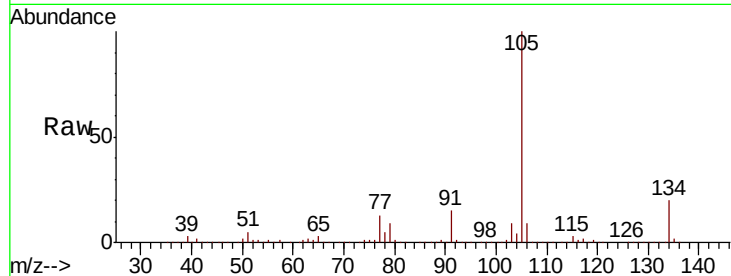




#85
 sec-Butylbenzene
 Concen: 52.491 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

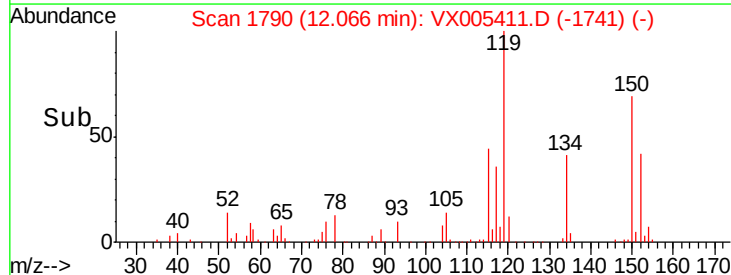
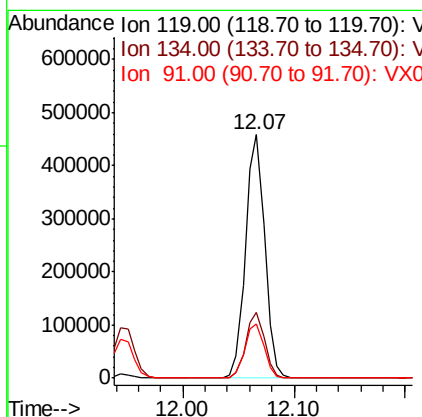
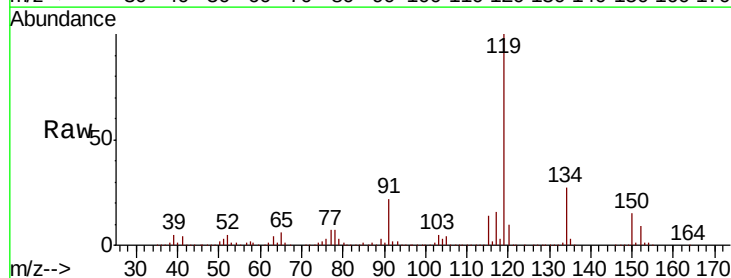
Instrument :
 MSVOA_X
 ClientSampleID :
 RLF-GW-9SMS

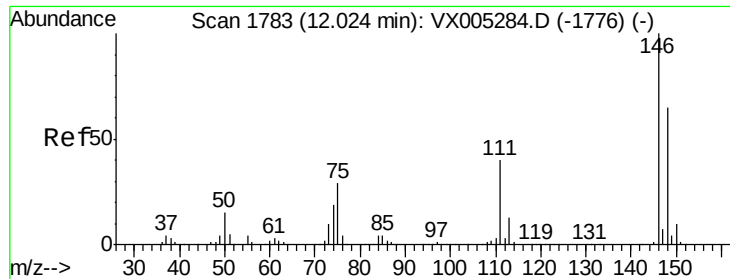
Tot Ion:105 Resp: 604503
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 52.601 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion:119 Resp: 547518
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.7 10.9 32.7

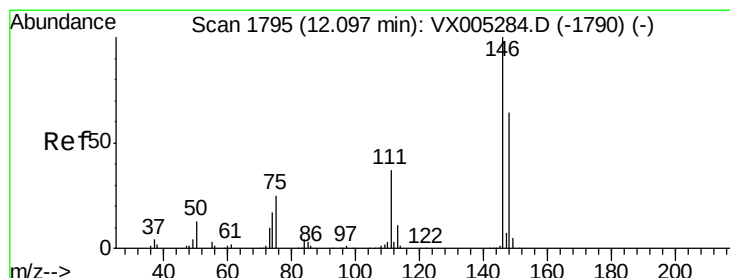
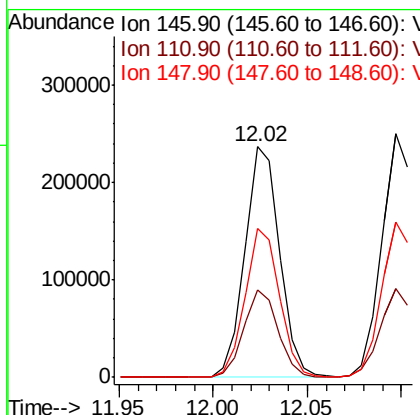
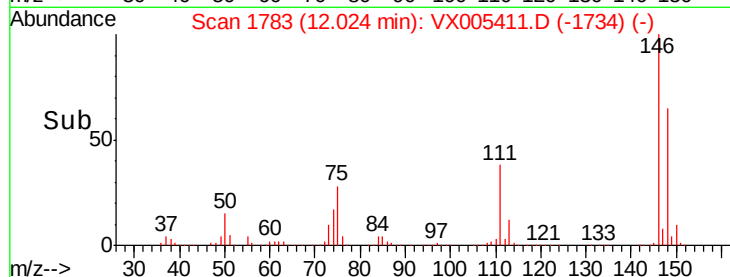
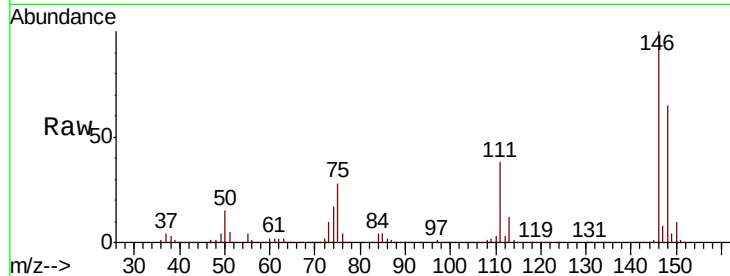




#87
 1,3-Dichlorobenzene
 Concen: 50.512 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

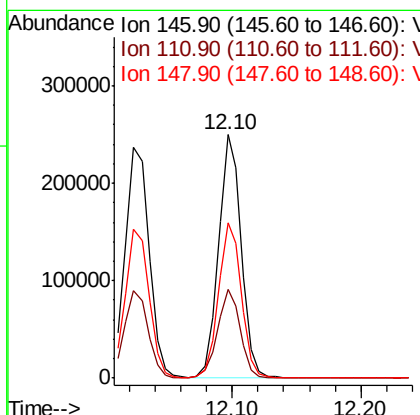
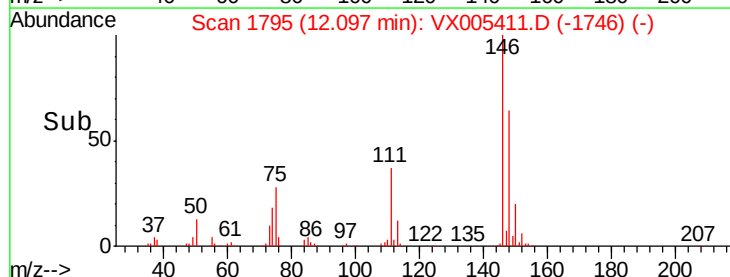
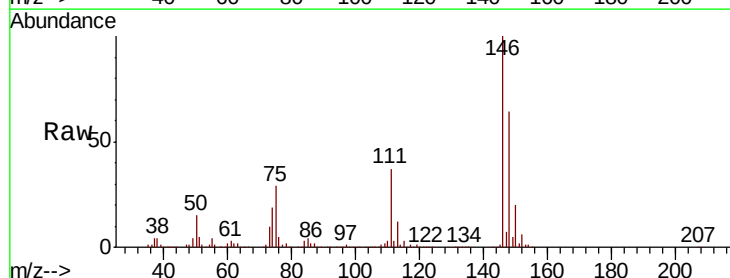
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

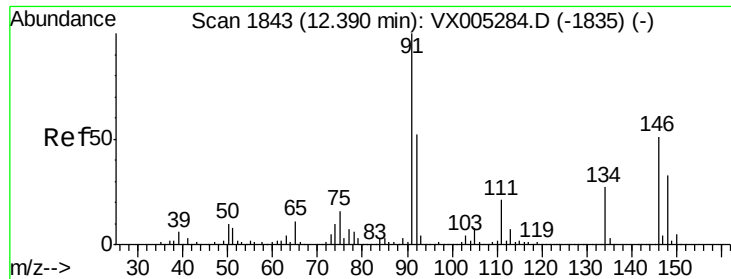
Tot Ion:146 Resp: 302858
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.7 56.1
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.439 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion:146 Resp: 309377
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.1
 148 64.4 32.0 96.0

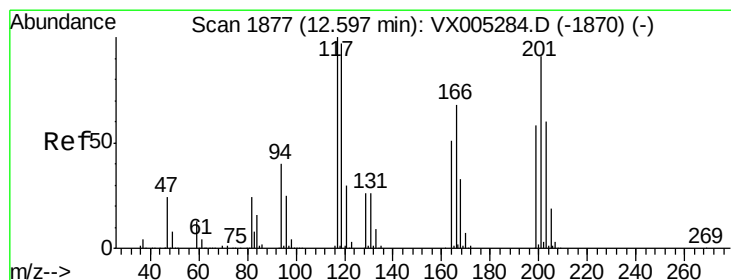
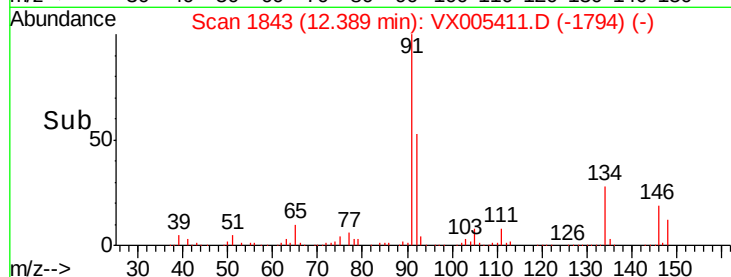
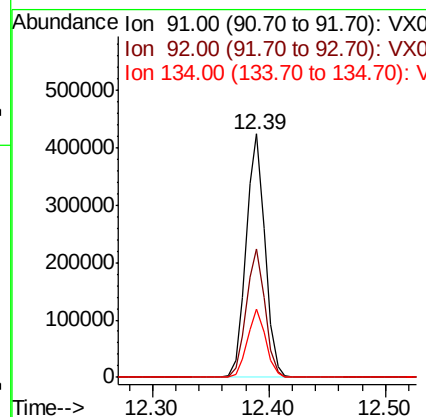
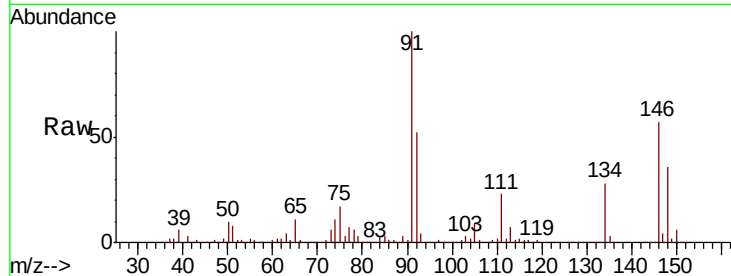




#89
n-Butylbenzene
Concen: 50.807 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

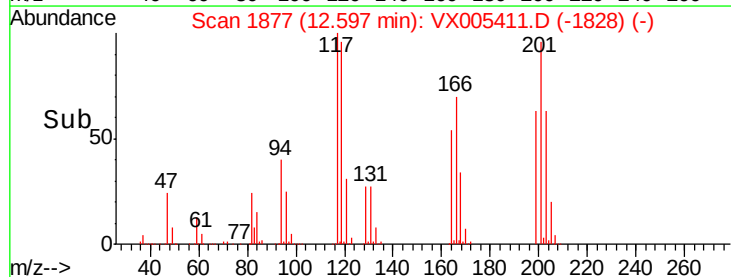
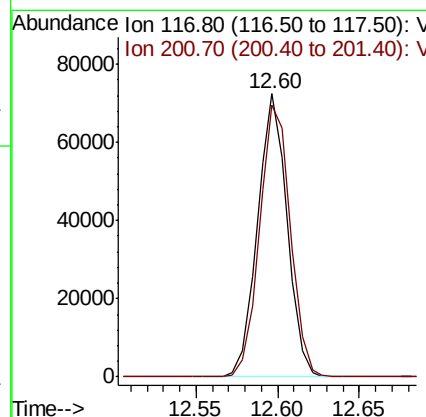
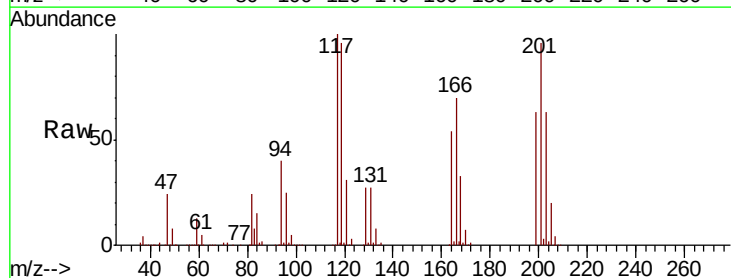
Instrument :
MSVOA_X
ClientSampled :
RLF-GW-9SMS

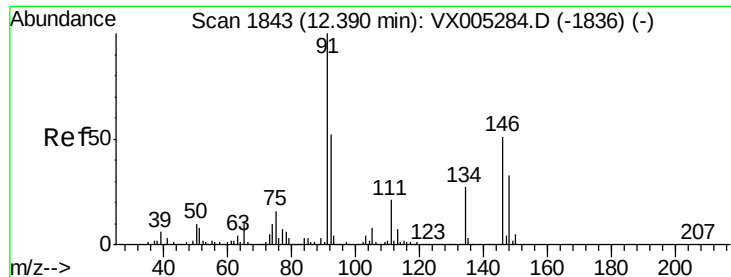
Tot Ion: 91 Resp: 480168
Ion Ratio Lower Upper
91 100
92 52.5 27.3 81.9
134 27.4 13.6 40.7



#90
Hexachloroethane
Concen: 50.855 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005411.D
Acq: 18 Oct 2018 01:07

Tgt Ion: 117 Resp: 91227
Ion Ratio Lower Upper
117 100
201 99.7 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 50.498 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

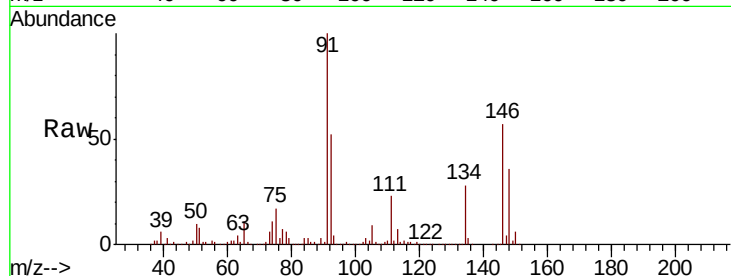
Tot Ion:146 Resp: 308970

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.1

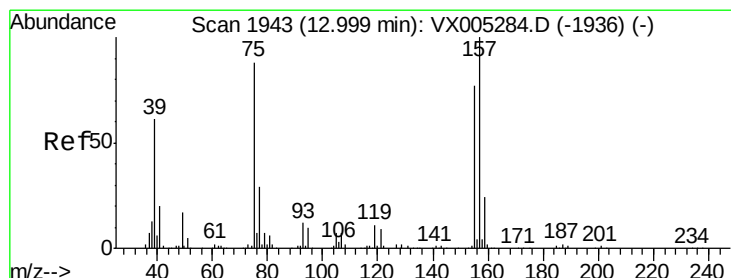
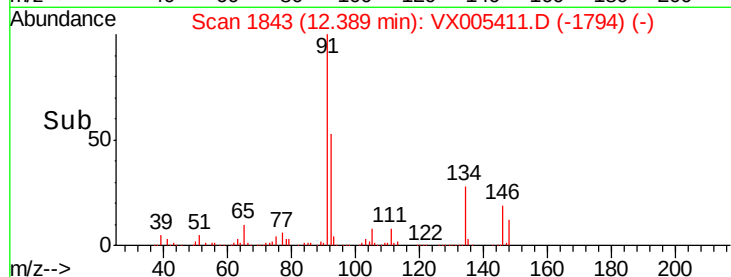
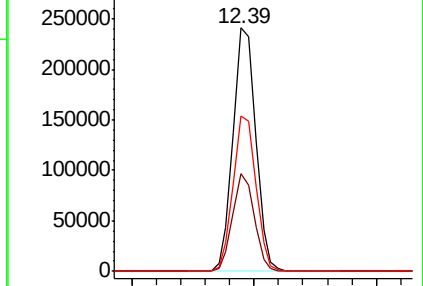
148 64.2 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.768 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

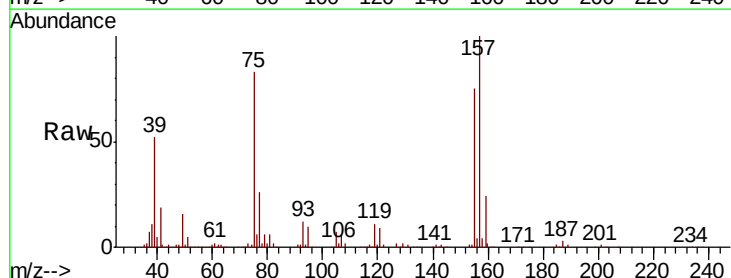
Tgt Ion: 75 Resp: 50358

Ion Ratio Lower Upper

75 100

155 95.9 48.0 144.2

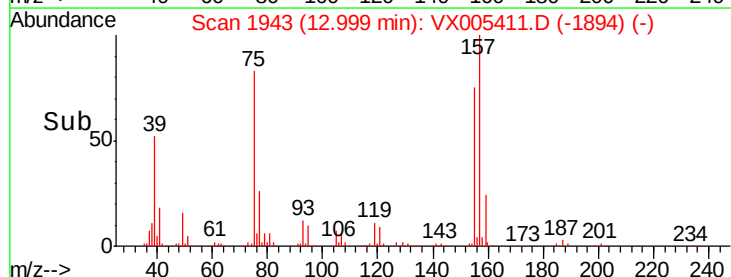
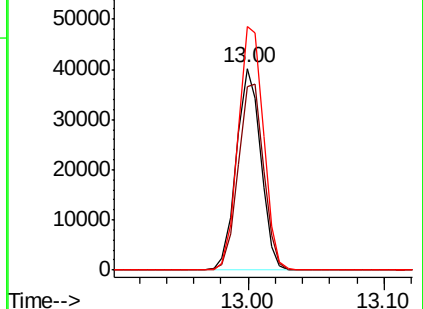
157 124.9 61.4 184.1

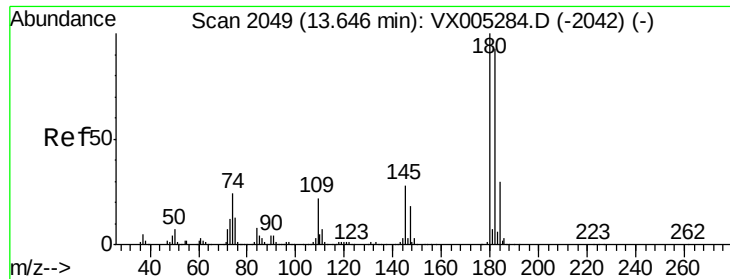


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

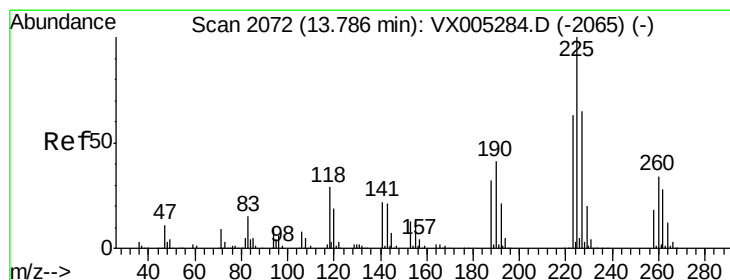
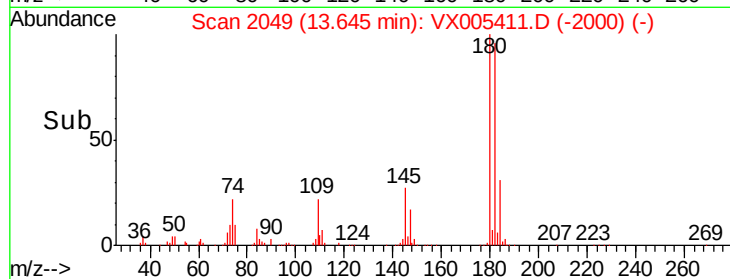
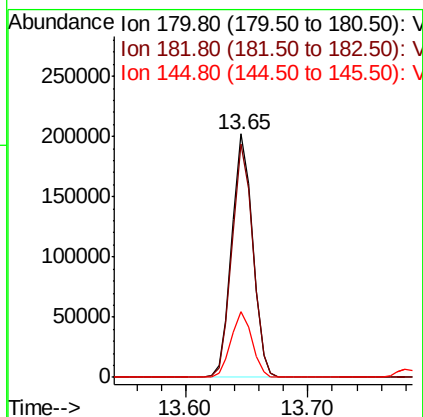
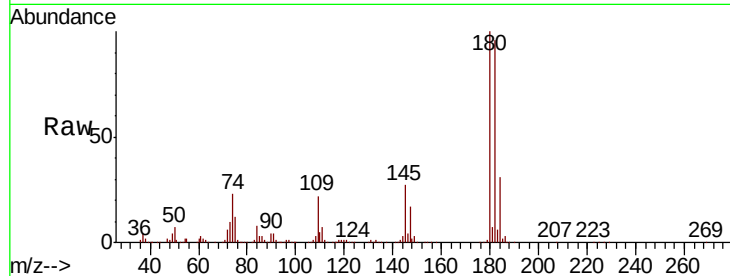




#93
 1,2,4-Trichlorobenzene
 Concen: 52.729 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

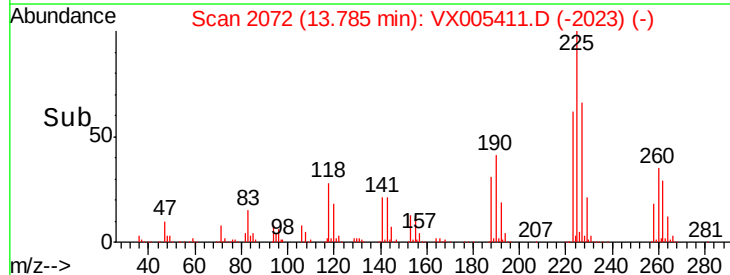
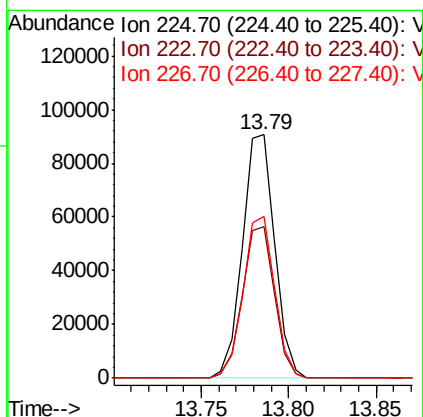
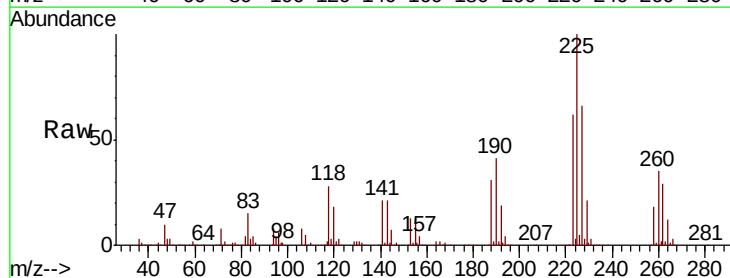
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMS

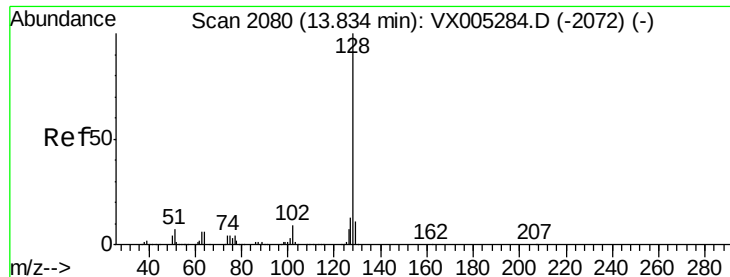
Tot Ion:180 Resp: 236697
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.4 145.0
 145 27.1 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 48.883 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005411.D
 Acq: 18 Oct 2018 01:07

Tgt Ion:225 Resp: 115894
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.1 90.5
 227 64.6 30.8 92.4





#95

Naphthalene

Concen: 55.276 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMS

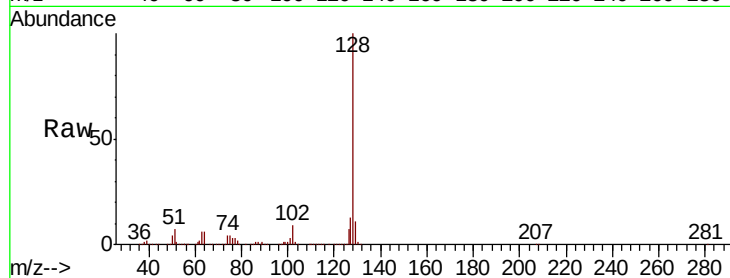
Tot Ion:128 Resp: 719608

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

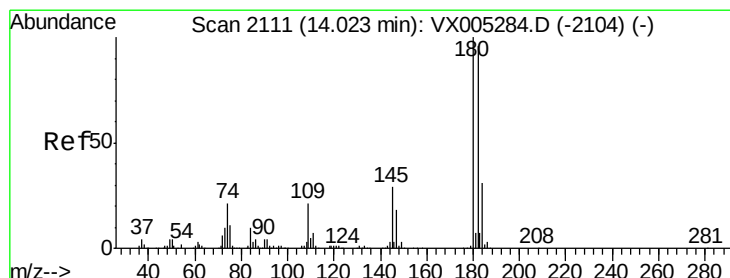
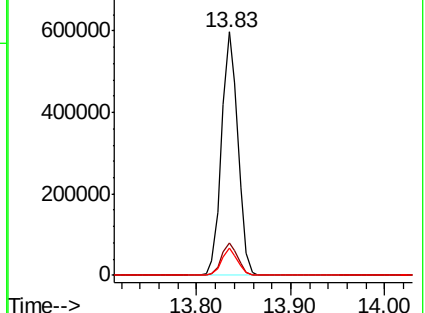
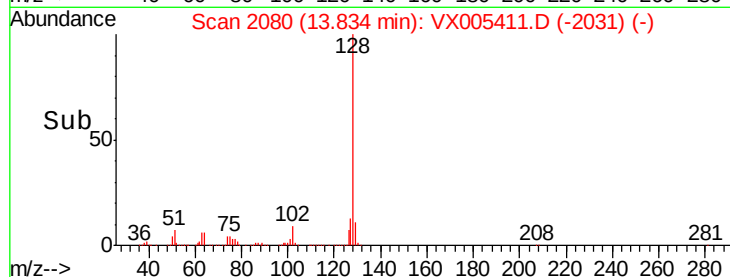
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.700 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005411.D

Acq: 18 Oct 2018 01:07

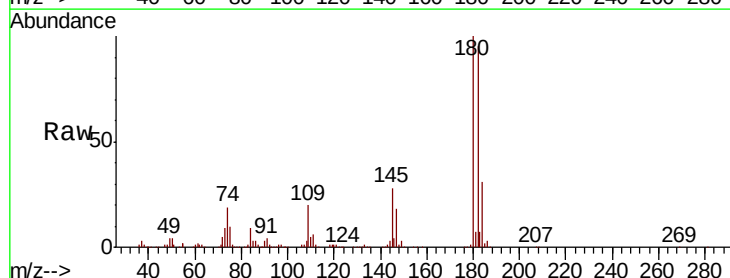
Tgt Ion:180 Resp: 242056

Ion Ratio Lower Upper

180 100

182 95.4 48.5 145.6

145 29.4 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

