

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005412.D
 Acq On : 18 Oct 2018 01:34
 Operator : JC/MD
 Sample : J5569-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Quant Time: Oct 18 11:05:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	130613	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	5.50	113	109371	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	8.71	98	397920	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.14	95	148635	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	83473	45.245	ug/l	97
3) Chloromethane	1.32	50	124630	46.621	ug/l	99
4) Vinyl Chloride	1.41	62	137844	50.902	ug/l	91
5) Bromomethane	1.64	94	80540	52.629	ug/l	99
6) Chloroethane	1.71	64	84884	53.417	ug/l	95
7) Trichlorofluoromethane	1.92	101	175920	48.680	ug/l	96
8) Diethyl Ether	2.19	74	94011	60.919	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	97891	46.932	ug/l	94
10) Methyl Iodide	2.51	142	139187	60.318	ug/l	100
11) Tert butyl alcohol	3.07	59	194778	263.670	ug/l	99
12) 1,1-Dichloroethene	2.37	96	110353	53.398	ug/l	98
13) Acrolein	2.29	56	85222	180.184	ug/l	97
14) Allyl chloride	2.73	41	230077	50.708	ug/l	95
15) Acrylonitrile	3.15	53	439466	262.526	ug/l	97
16) Acetone	2.45	43	383315	253.156	ug/l	97
17) Carbon Disulfide	2.57	76	290028	46.327	ug/l	99
18) Methyl Acetate	2.78	43	233183	54.131	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	411090	56.480	ug/l	96
20) Methylene Chloride	2.85	84	126899	57.720	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	115467	50.417	ug/l	98
22) Diisopropyl ether	3.87	45	395622	51.912	ug/l	91
23) Vinyl Acetate	3.82	43	1724083	258.834	ug/l	96
24) 1,1-Dichloroethane	3.70	63	231811	53.074	ug/l	98
25) 2-Butanone	4.70	43	571727	258.072	ug/l	96
26) 2,2-Dichloropropane	4.58	77	132612	40.597	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	125964	50.608	ug/l	99
28) Bromochloromethane	5.02	49	100827	50.639	ug/l	96
29) Tetrahydrofuran	5.15	42	376881	266.700	ug/l	93
30) Chloroform	5.21	83	212142	52.329	ug/l	98
31) Cyclohexane	5.57	56	159409	44.282	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	178942	50.728	ug/l	98
36) 1,1-Dichloropropene	5.80	75	145212	43.287	ug/l	100
37) Ethyl Acetate	4.85	43	198404	45.989	ug/l	98
38) Carbon Tetrachloride	5.78	117	153582	45.564	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	154502	42.554	ug/l	97
40) Benzene	6.14	78	461907	45.900	ug/l	99
41) Methacrylonitrile	5.06	41	114831	49.649	ug/l	97
42) 1,2-Dichloroethane	6.20	62	171602	48.293	ug/l	96
43) Isopropyl Acetate	6.46	43	321731	55.984	ug/l	96
44) Trichloroethene	7.21	130	124096	48.275	ug/l	95
45) 1,2-Dichloropropane	7.51	63	127431	51.623	ug/l	98
46) Dibromomethane	7.66	93	84302	51.743	ug/l	98
47) Bromodichloromethane	7.90	83	161395	53.555	ug/l	99
48) Methyl methacrylate	7.77	41	162265	54.440	ug/l	95
49) 1,4-Dioxane	7.75	88	65961	959.472	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1096126	275.464	ug/l	97
52) Toluene	8.79	92	289474	52.579	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	175453	53.798	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	185271	52.429	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127606	54.722	ug/l	96
56) Ethyl methacrylate	9.18	69	198024	58.252	ug/l	96
57) 1,3-Dichloropropane	9.37	76	209613	53.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.28	63	884	0.464	ug/l #	45
59) 2-Hexanone	9.49	43	867302	270.956	ug/l	94
60) Dibromochloromethane	9.59	129	134510	55.804	ug/l	100
61) 1,2-Dibromoethane	9.67	107	131677	53.806	ug/l	99
64) Tetrachloroethene	9.34	164	116159	44.632	ug/l	99
65) Chlorobenzene	10.14	112	338555	49.233	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	126144	51.476	ug/l	98
67) Ethyl Benzene	10.25	91	552761	49.446	ug/l	98
68) m/p-Xylenes	10.36	106	432087	99.583	ug/l	96
69) o-Xylene	10.70	106	212777	50.847	ug/l	97
70) Styrene	10.71	104	360089	52.316	ug/l	98
71) Bromoform	10.86	173	115032	52.529	ug/l	99
73) Isopropylbenzene	11.02	105	564329	51.022	ug/l	100
74) N-amyl acetate	10.90	43	274930	51.536	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	212122	50.840	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	236621	65.564	ug/l	87
77) Bromobenzene	11.26	156	158804	50.214	ug/l	99
78) n-propylbenzene	11.36	91	641365	50.391	ug/l	100
79) 2-Chlorotoluene	11.42	91	389177	49.927	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	485758	51.285	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	56454	47.530	ug/l	97
82) 4-Chlorotoluene	11.51	91	459286	49.705	ug/l	100
83) tert-Butylbenzene	11.77	119	493495	51.451	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	504821	51.791	ug/l	98
85) sec-Butylbenzene	11.94	105	569702	50.191	ug/l	99
86) p-Isopropyltoluene	12.07	119	522245	50.904	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	291545	49.335	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	298213	49.328	ug/l	99
89) n-Butylbenzene	12.39	91	451128	48.430	ug/l	98
90) Hexachloroethane	12.60	117	85657	48.446	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	299760	49.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51089	50.197	ug/l	99

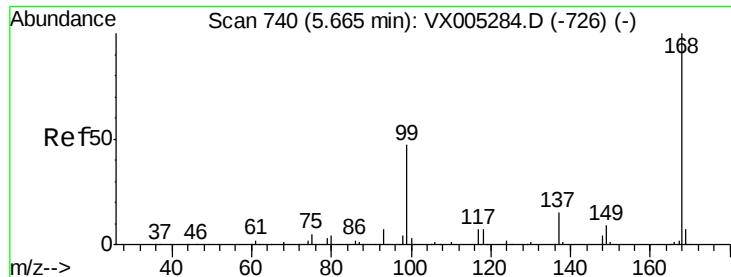
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	229535	51.879	ug/l	99
94) Hexachlorobutadiene	13.79	225	106377	45.523	ug/l	96
95) Naphthalene	13.83	128	716196	55.816	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	236731	52.292	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

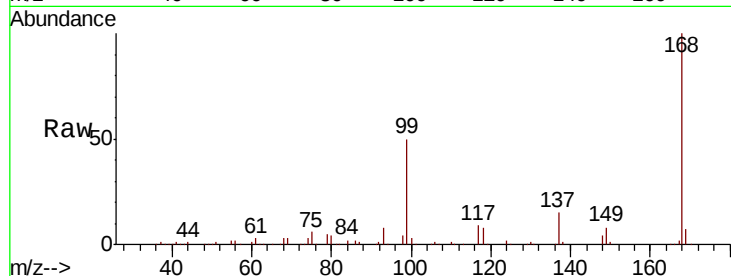
RLF-GW-9SMSD

Tot Ion:168 Resp: 235959

Ion Ratio Lower Upper

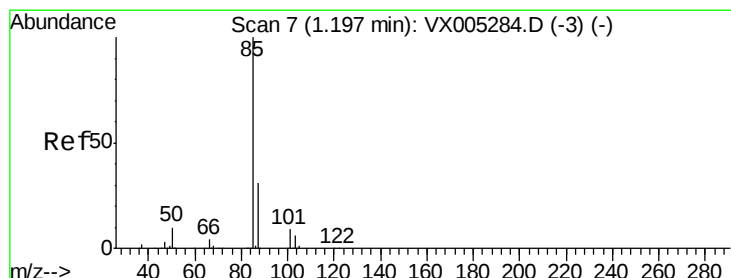
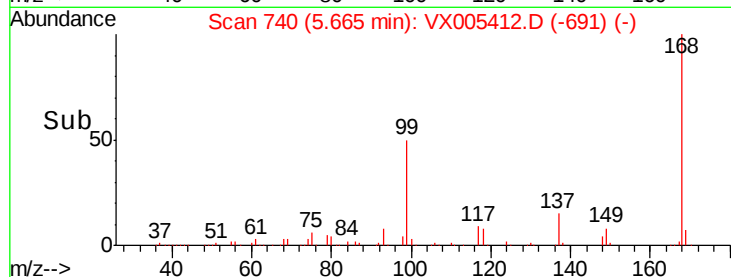
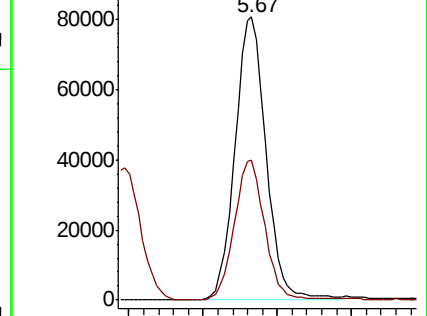
168 100

99 49.5 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: 45.245 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005412.D

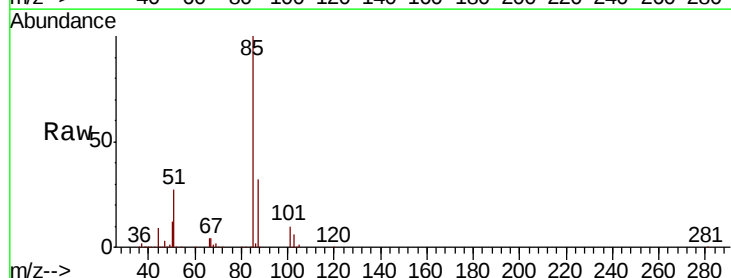
Acq: 18 Oct 2018 01:34

Tgt Ion: 85 Resp: 83473

Ion Ratio Lower Upper

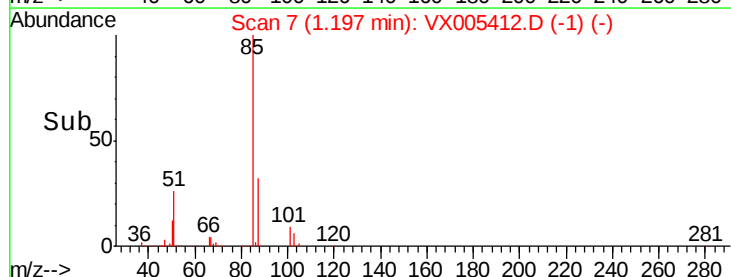
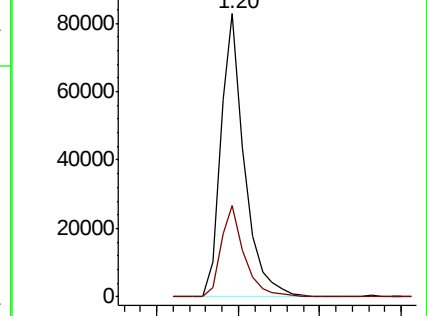
85 100

87 32.5 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: 46.621 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

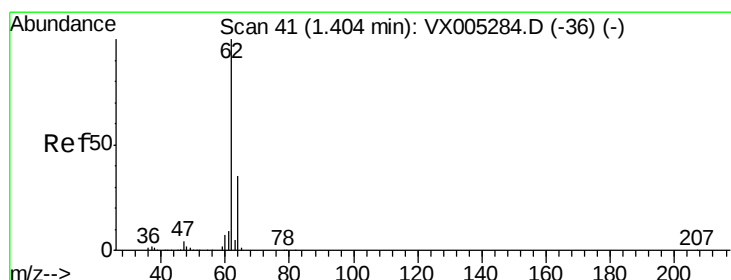
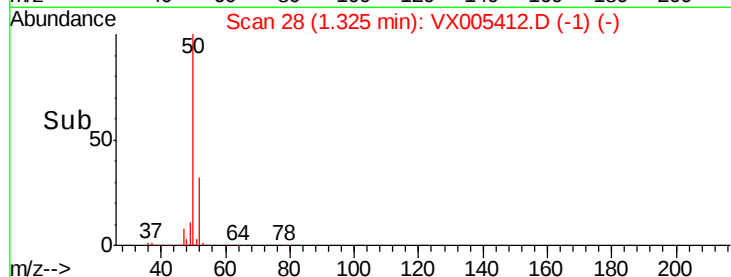
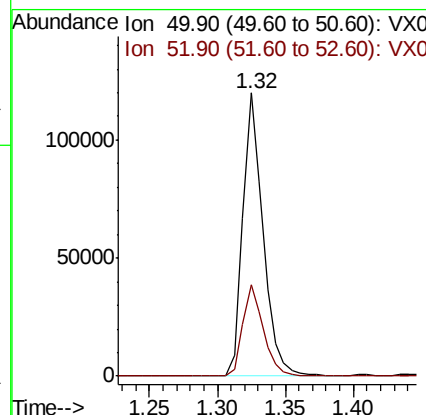
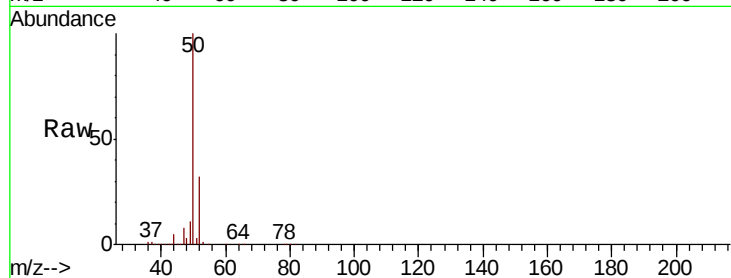
RLF-GW-9SMSD

Tot Ion: 50 Resp: 124630

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



#4

Vinyl Chloride

Concen: 50.902 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005412.D

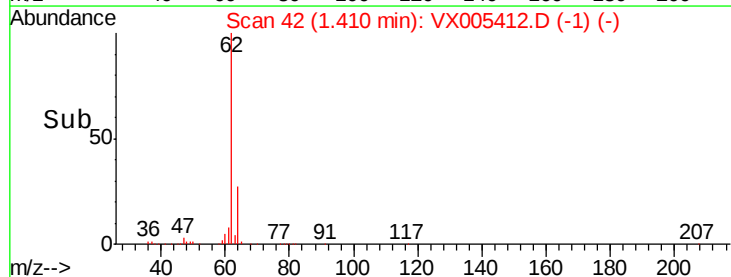
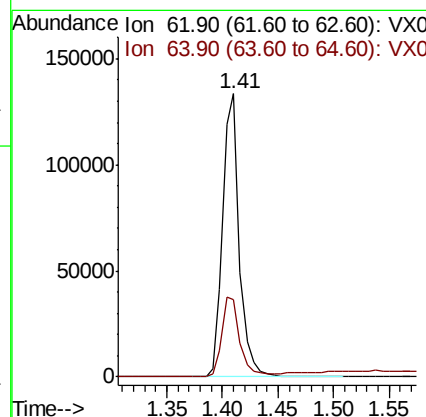
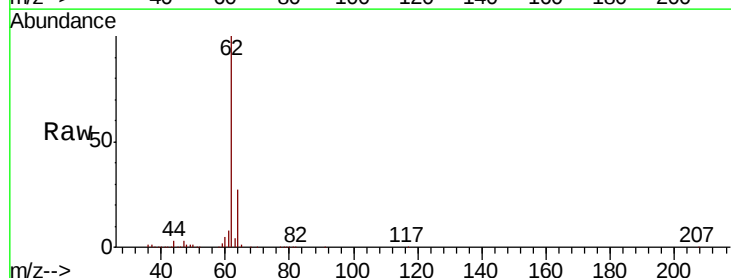
Acq: 18 Oct 2018 01:34

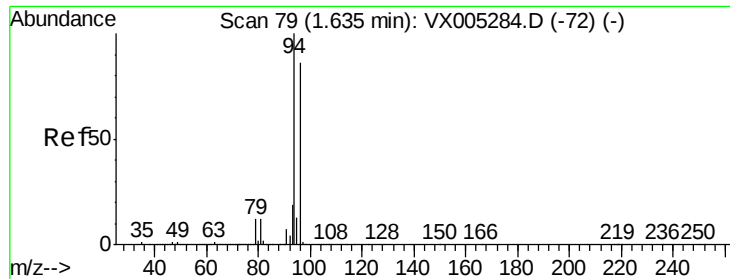
Tgt Ion: 62 Resp: 137844

Ion Ratio Lower Upper

62 100

64 27.4 25.8 38.8





#5

Bromomethane

Concen: 52.629 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

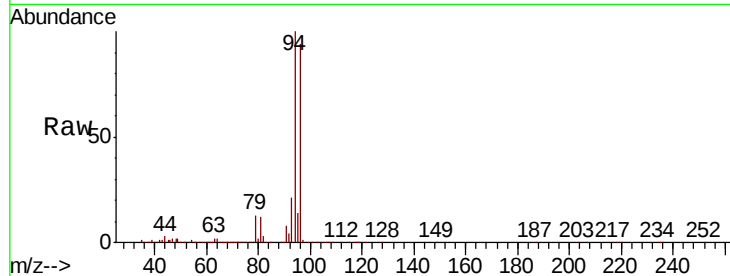
RLF-GW-9SMSD

Tot Ion: 94 Resp: 80540

Ion Ratio Lower Upper

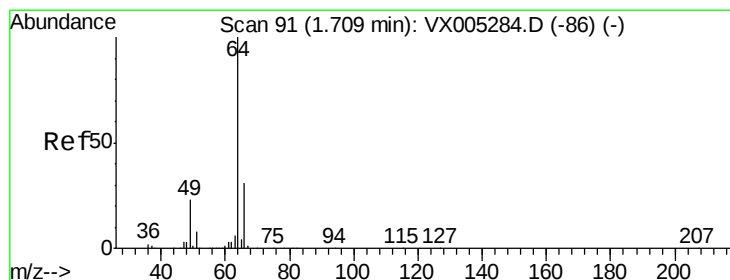
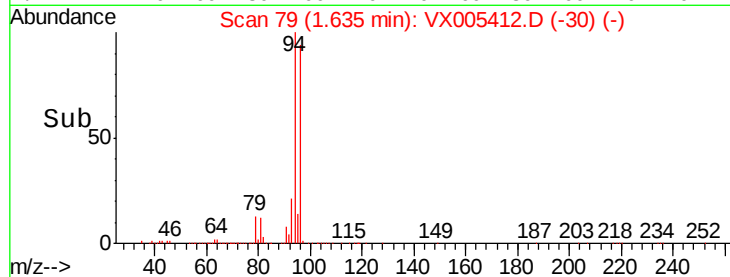
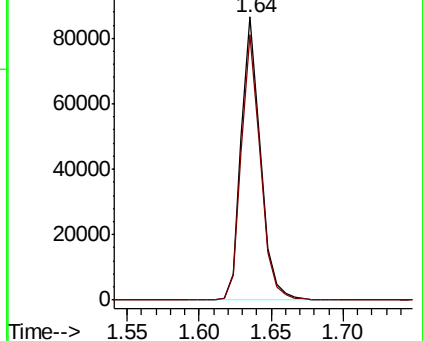
94 100

96 93.8 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: 53.417 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005412.D

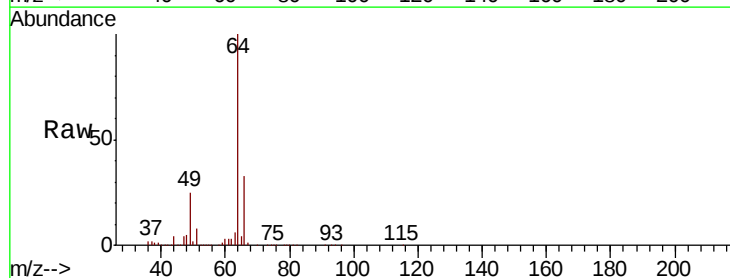
Acq: 18 Oct 2018 01:34

Tgt Ion: 64 Resp: 84884

Ion Ratio Lower Upper

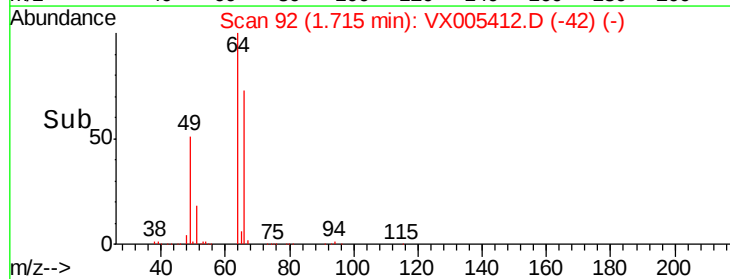
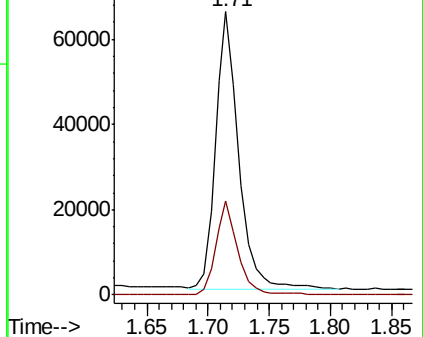
64 100

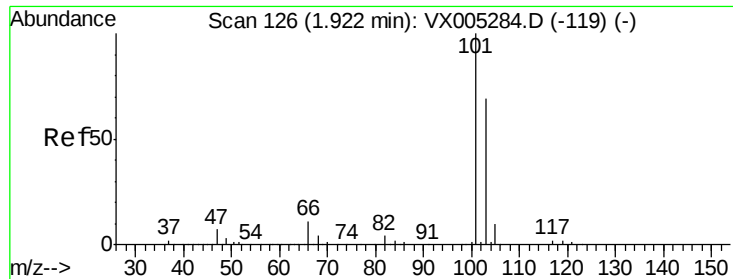
66 33.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



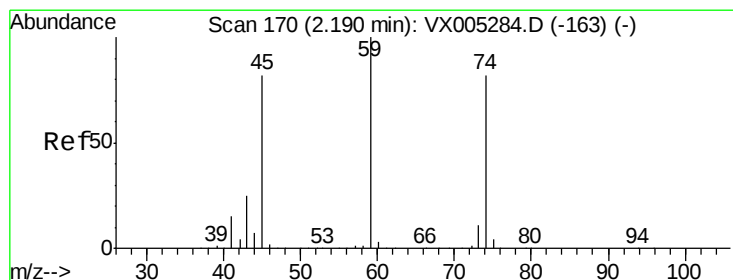
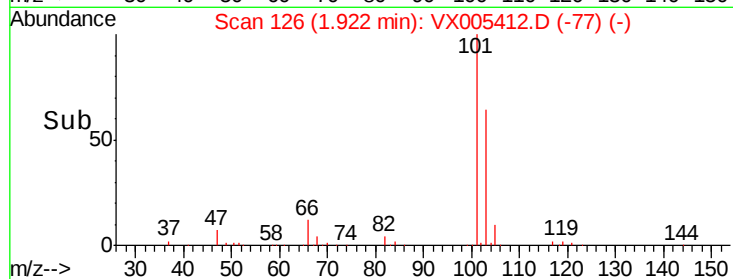
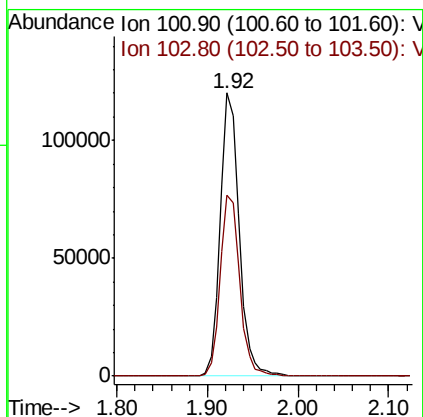
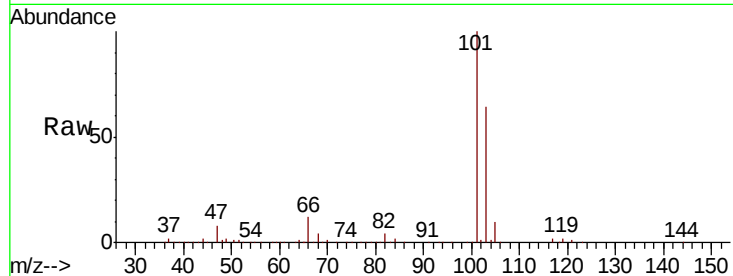


#7

Trichlorofluoromethane
 Concen: 48.680 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampled :
 RLF-GW-9SMSD

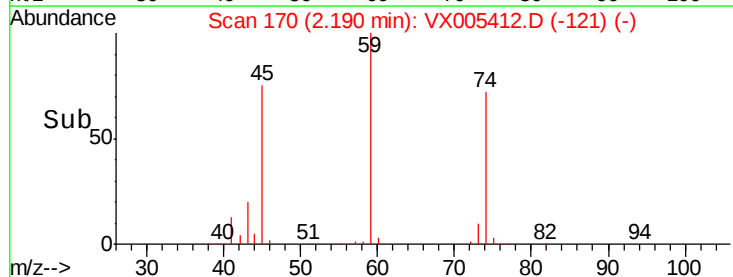
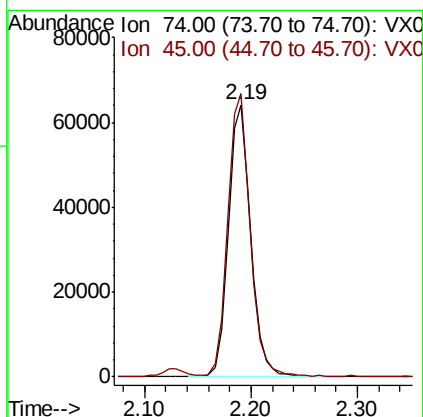
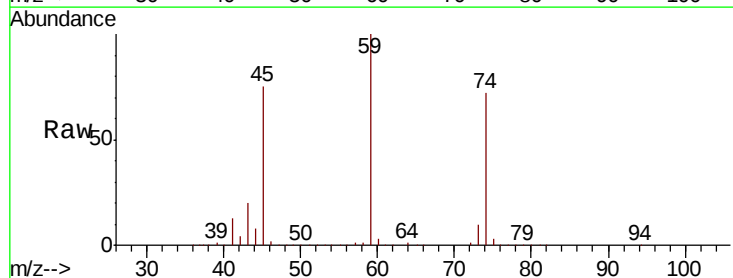
Tot Ion:101 Resp: 175920
 Ion Ratio Lower Upper
 101 100
 103 64.0 48.9 73.3



#8

Diethyl Ether
 Concen: 60.919 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 74 Resp: 94011
 Ion Ratio Lower Upper
 74 100
 45 104.3 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.932 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

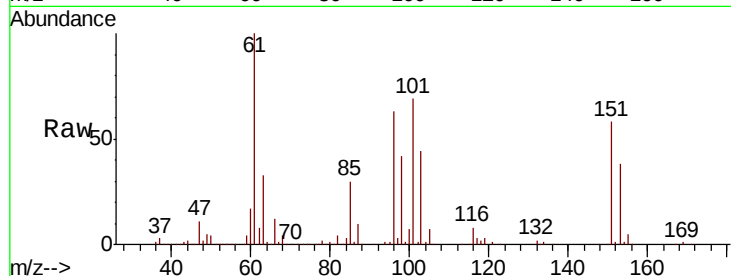
Tot Ion:101 Resp: 97891

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.4

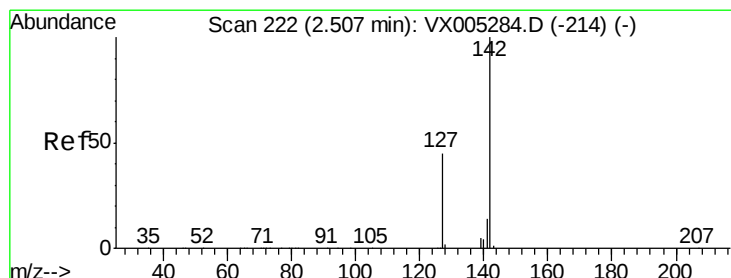
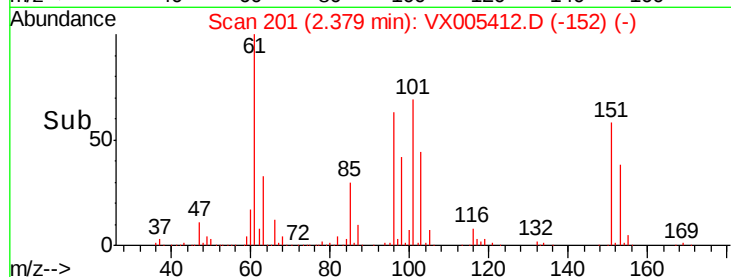
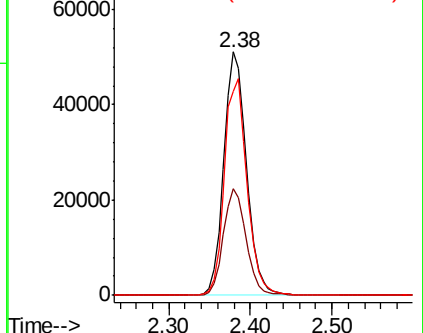
151 88.8 65.0 97.6



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: 60.318 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

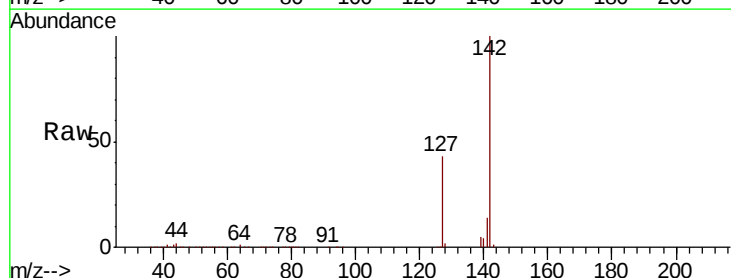
Tgt Ion:142 Resp: 139187

Ion Ratio Lower Upper

142 100

127 42.5 33.8 50.6

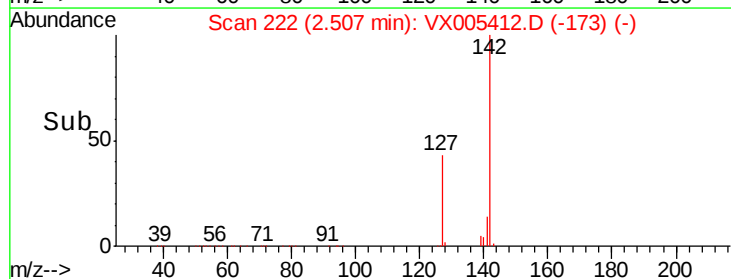
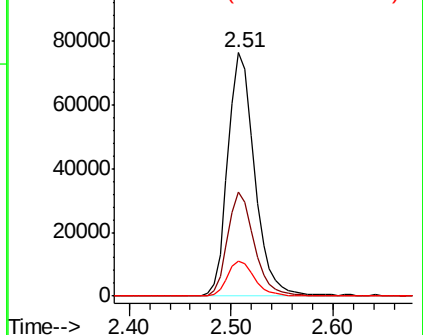
141 14.4 11.4 17.0



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



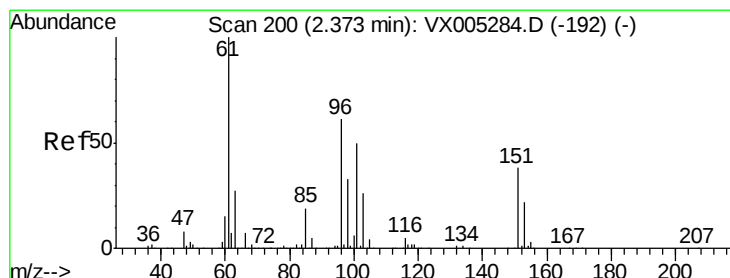
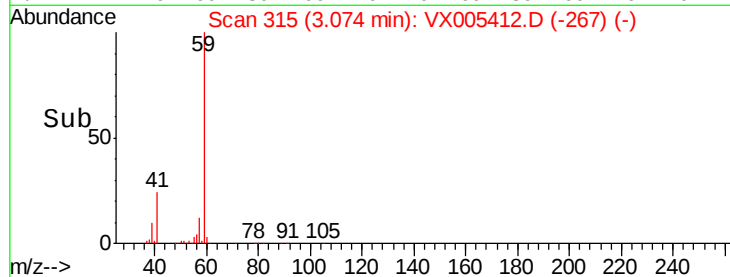
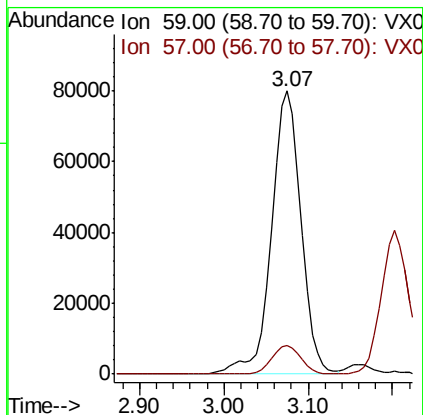
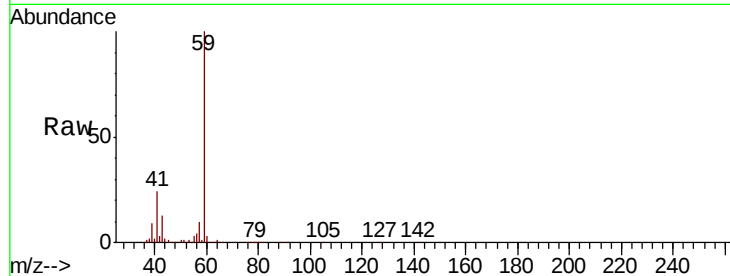


#11

Tert butyl alcohol
 Concen: 263.670 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

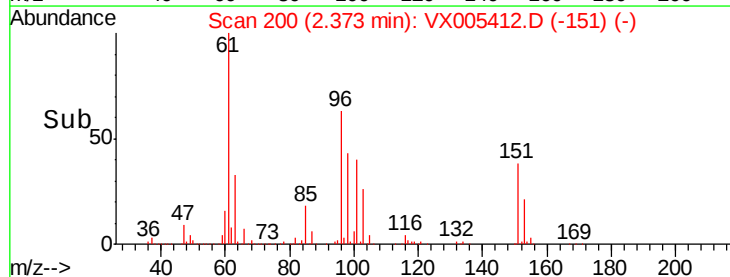
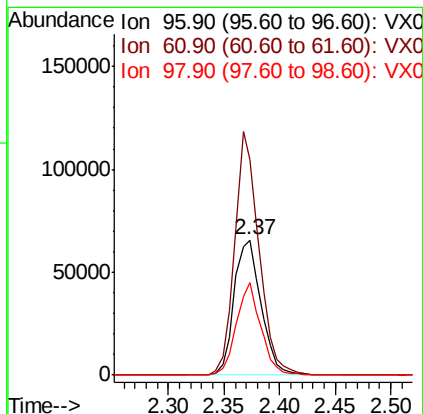
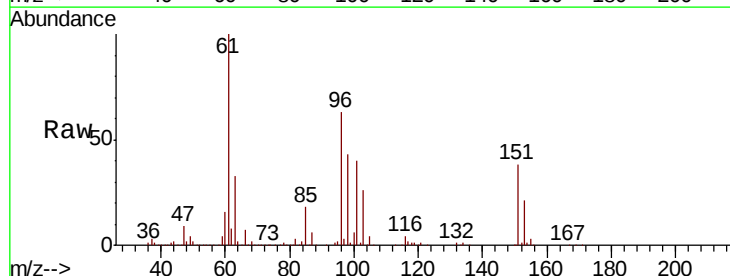
Tot Ion: 59 Resp: 194778
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

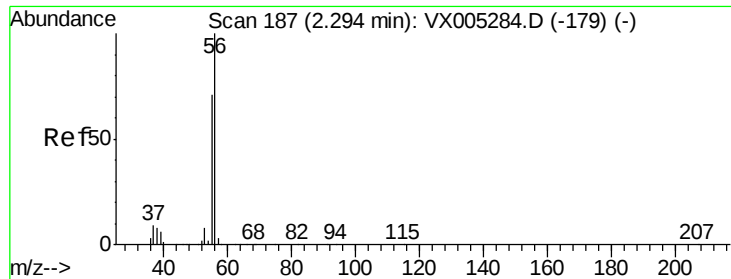


#12

1,1-Dichloroethene
 Concen: 53.398 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 96 Resp: 110353
 Ion Ratio Lower Upper
 96 100
 61 159.5 128.8 193.2
 98 68.1 52.2 78.2

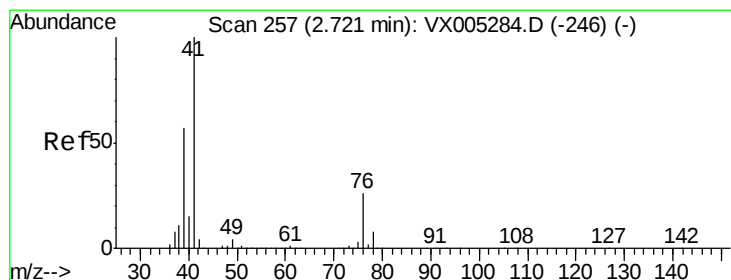
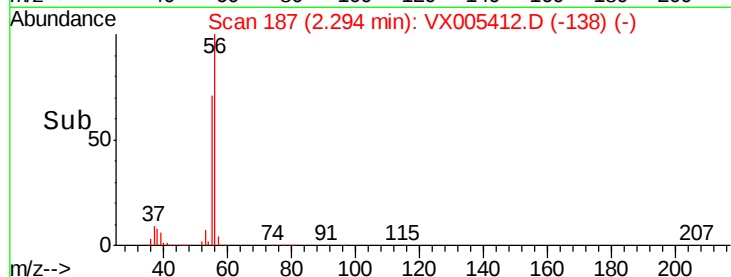
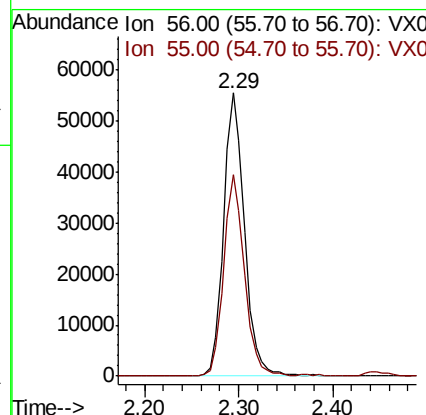
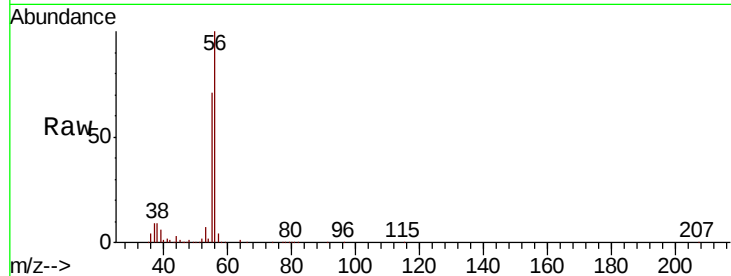




#13
Acrolein
Concen: 180.184 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

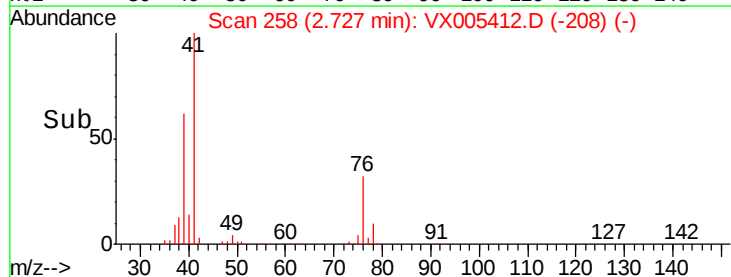
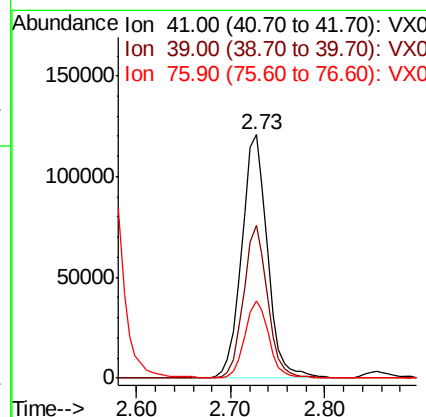
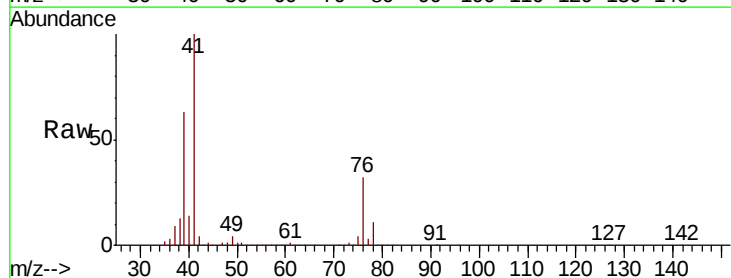
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion: 56 Resp: 85222
Ion Ratio Lower Upper
56 100
55 70.6 54.7 82.1



#14
Allyl chloride
Concen: 50.708 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 41 Resp: 230077
Ion Ratio Lower Upper
41 100
39 58.3 48.9 73.3
76 29.7 26.7 40.1

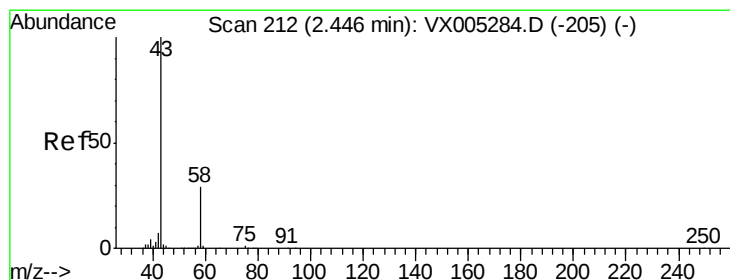
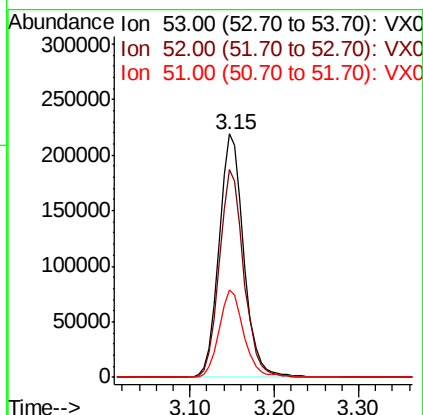
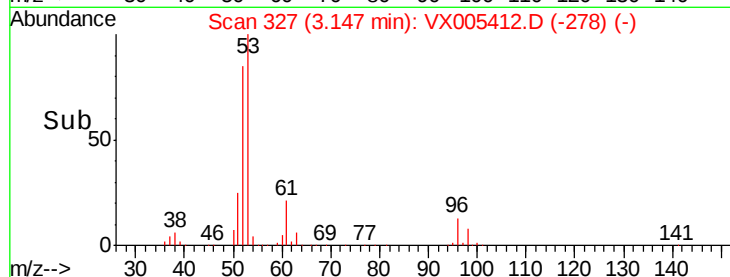
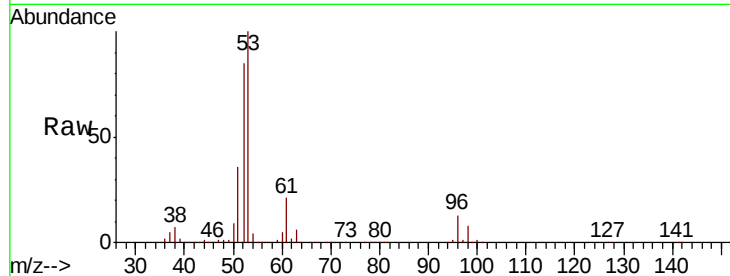




#15
 Acrylonitrile
 Concen: 262.526 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

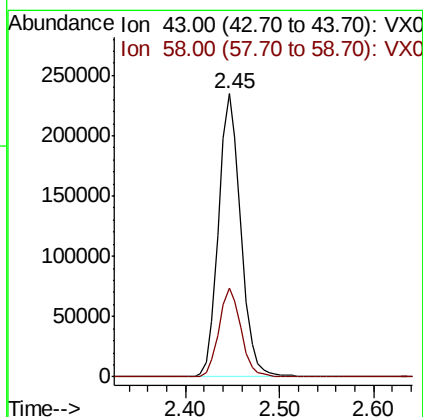
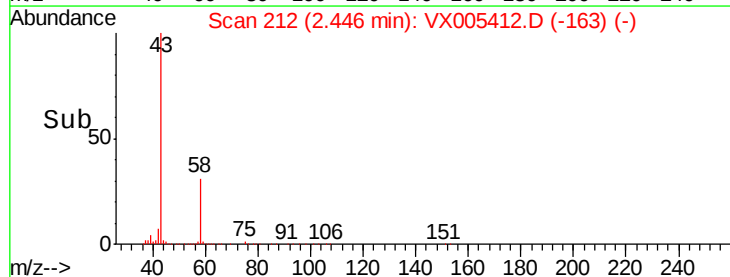
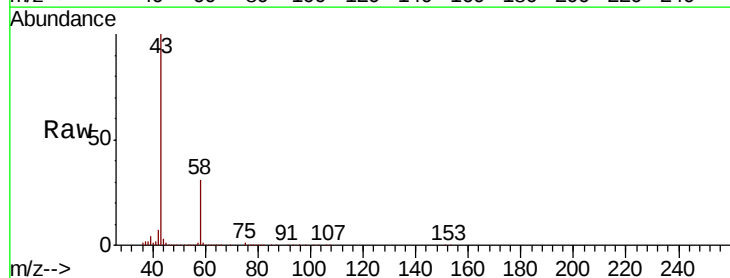
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

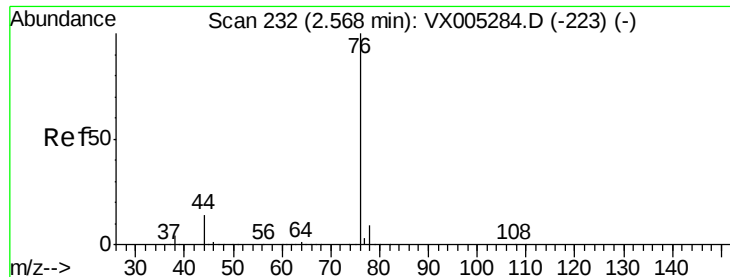
Tot Ion: 53 Resp: 439466
 Ion Ratio Lower Upper
 53 100
 52 84.7 65.2 97.8
 51 36.1 28.2 42.2



#16
 Acetone
 Concen: 253.156 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 43 Resp: 383315
 Ion Ratio Lower Upper
 43 100
 58 31.2 26.2 39.4





#17

Carbon Disulfide

Concen: 46.327 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

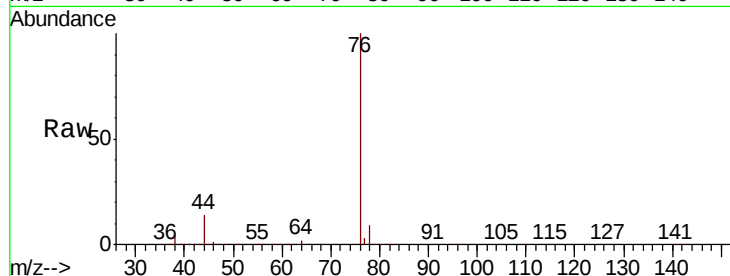
RLF-GW-9SMSD

Tot Ion: 76 Resp: 290028

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

2.57

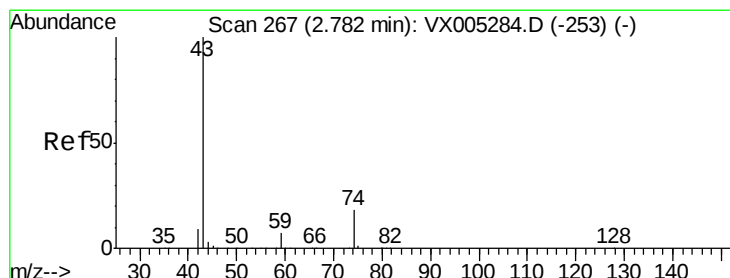
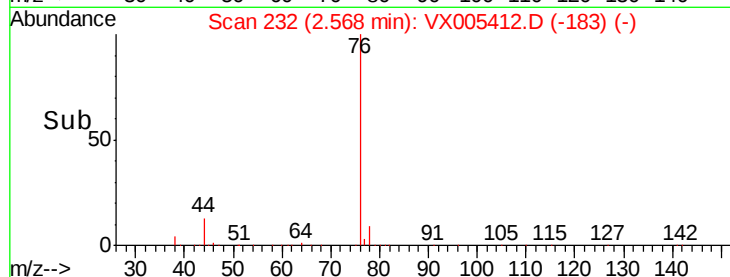
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.131 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005412.D

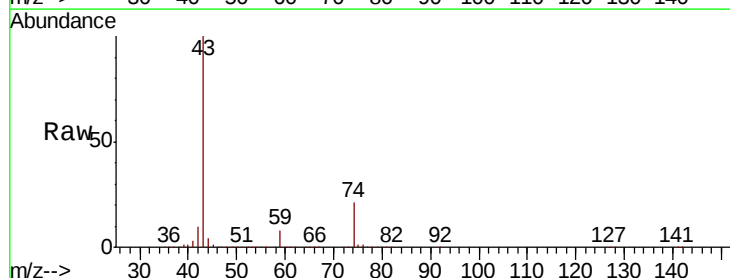
Acq: 18 Oct 2018 01:34

Tgt Ion: 43 Resp: 233183

Ion Ratio Lower Upper

43 100

74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

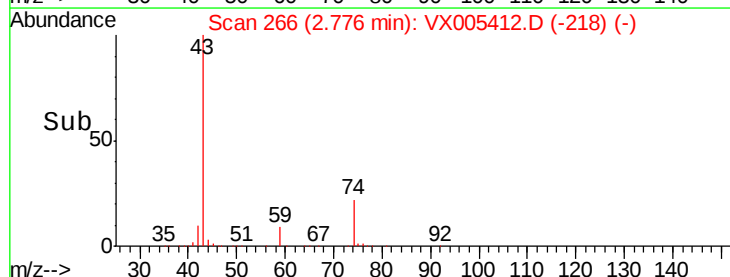
150000

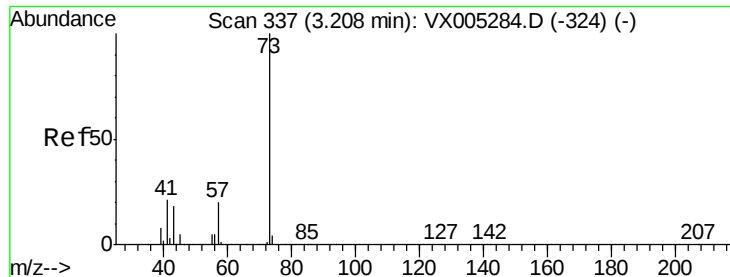
100000

50000

0

Time-->

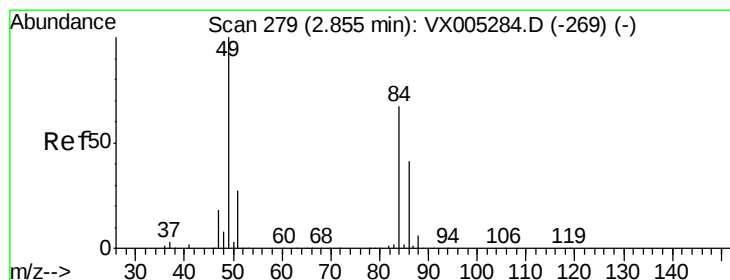
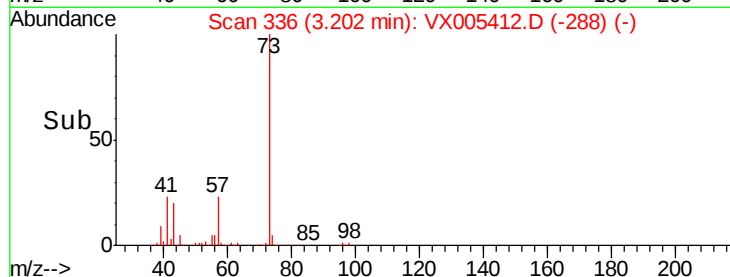
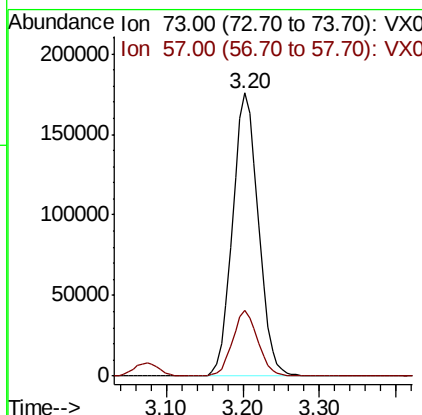
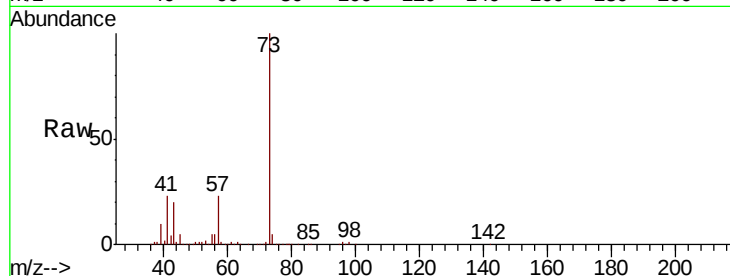




#19
Methvl tert-butvl Ether
Concen: 56.480 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

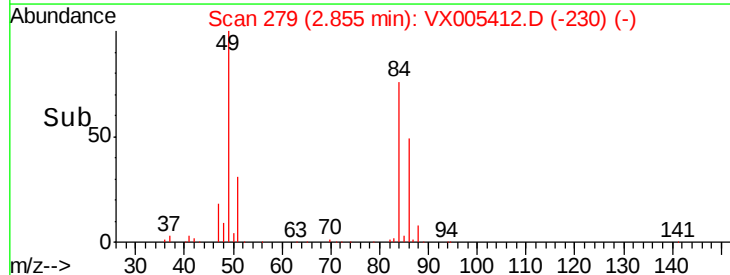
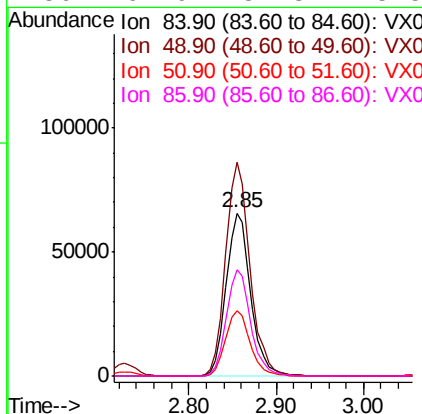
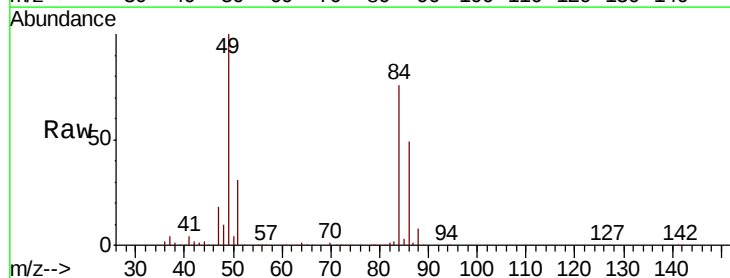
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion: 73 Resp: 411090
Ion Ratio Lower Upper
73 100
57 23.2 17.1 25.7



#20
Methylene Chloride
Concen: 57.720 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 84 Resp: 126899
Ion Ratio Lower Upper
84 100
49 131.2 101.2 151.8
51 40.3 29.5 44.3
86 64.9 52.3 78.5

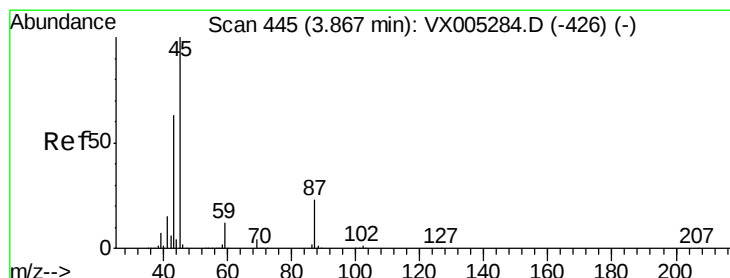
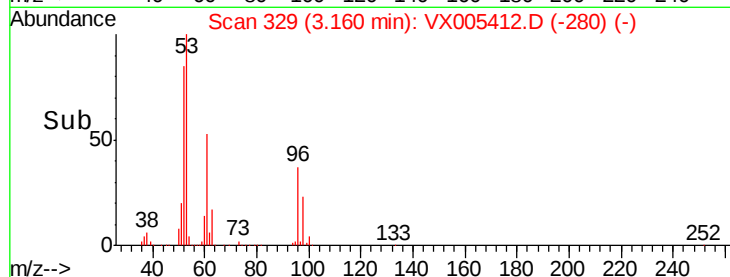
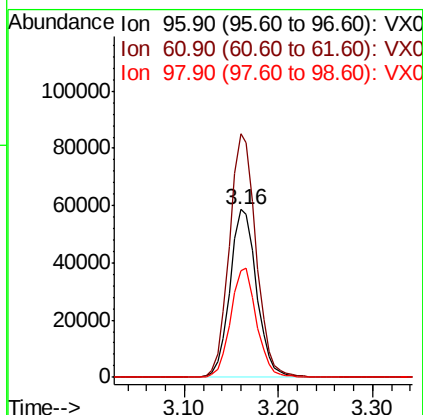
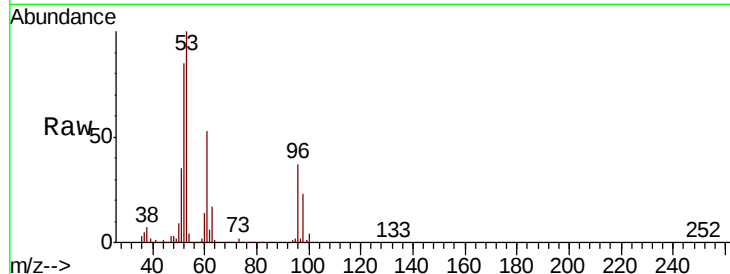




#21
trans-1,2-Dichloroethene
Concen: 50.417 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

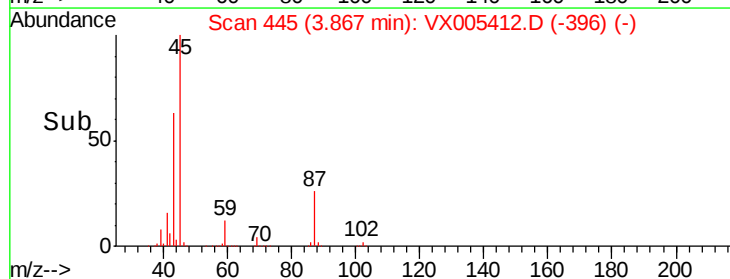
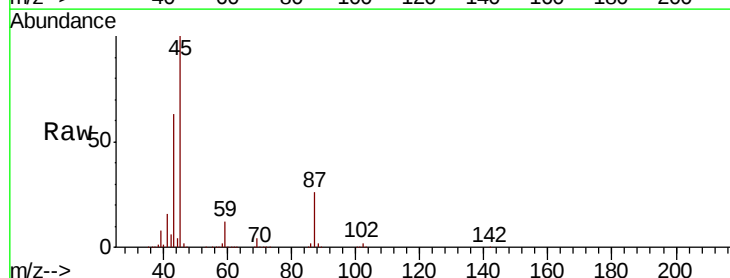
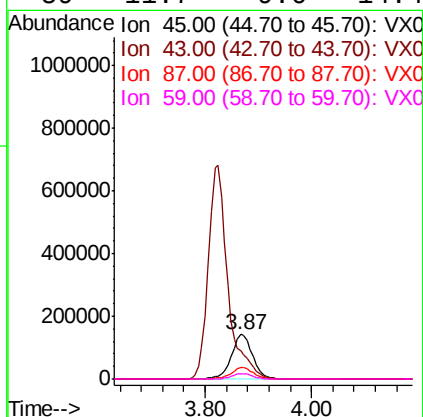
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion: 96 Resp: 115467
Ion Ratio Lower Upper
96 100
61 145.1 113.8 170.6
98 63.5 51.8 77.8



#22
Diisopropyl ether
Concen: 51.912 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 45 Resp: 395622
Ion Ratio Lower Upper
45 100
43 62.7 42.8 64.2
87 26.0 22.6 34.0
59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 258.834 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

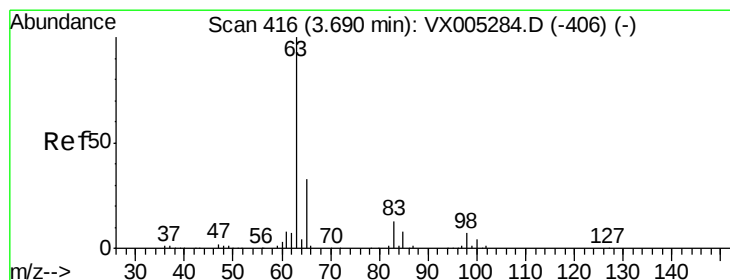
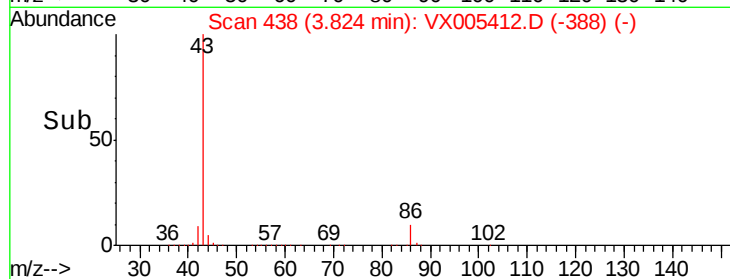
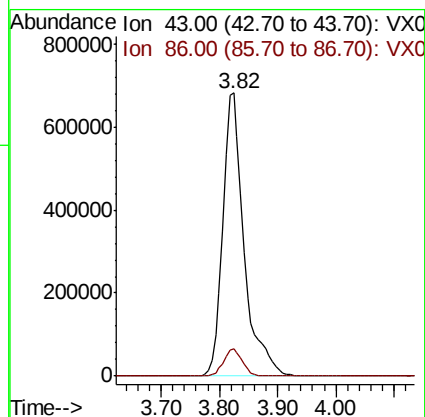
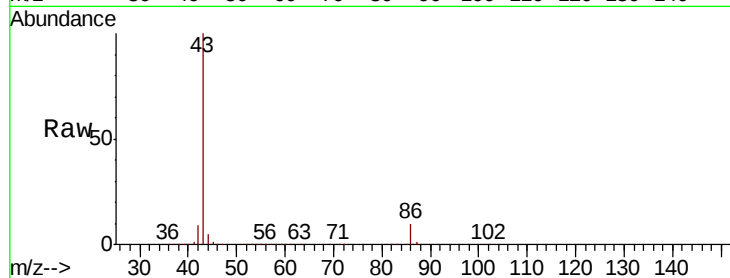
RLF-GW-9SMSD

Tot Ion: 43 Resp: 1724083

Ion Ratio Lower Upper

43 100

86 9.8 8.9 13.3



#24

1,1-Dichloroethane

Concen: 53.074 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

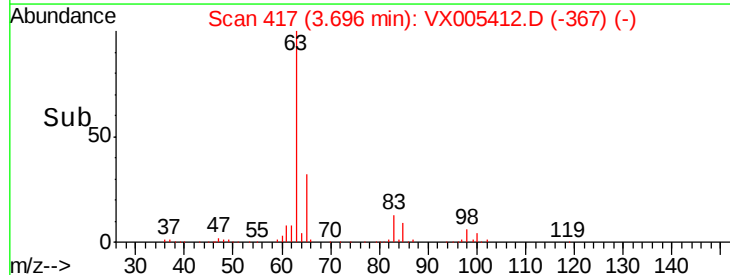
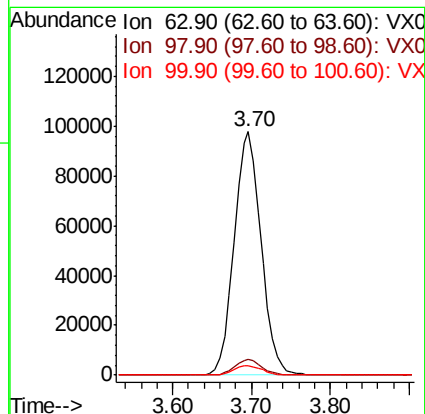
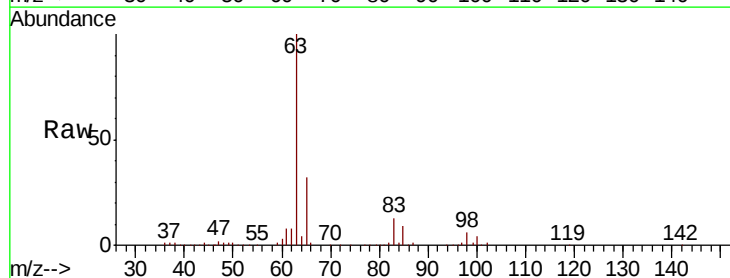
Tgt Ion: 63 Resp: 231811

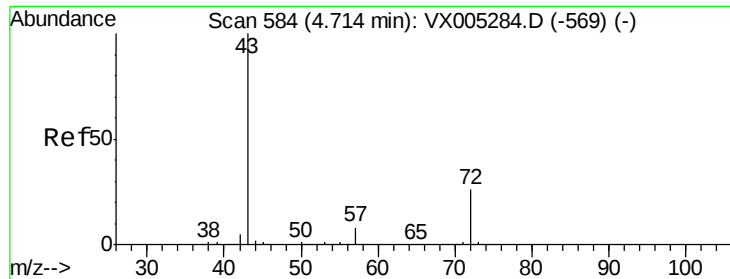
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 258.072 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

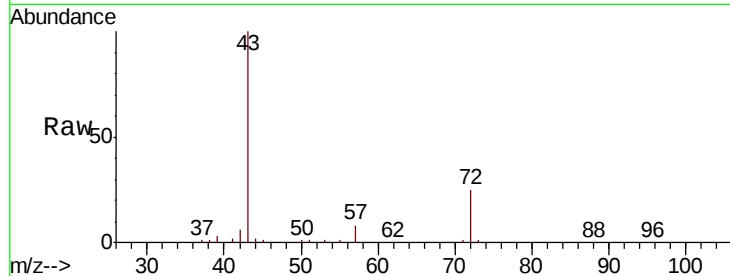
RLF-GW-9SMSD

Tot Ion: 43 Resp: 571727

Ion Ratio Lower Upper

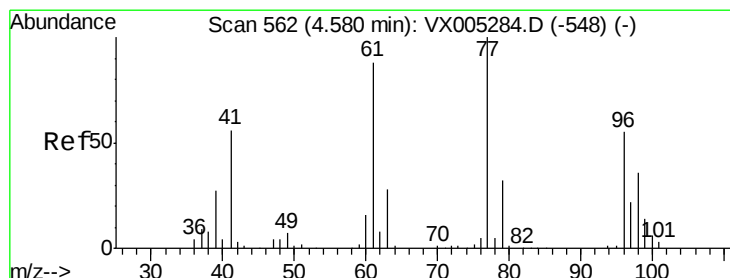
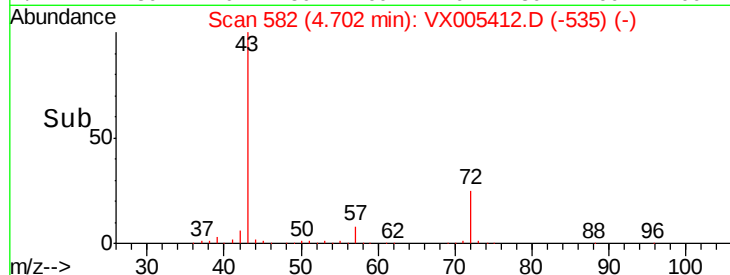
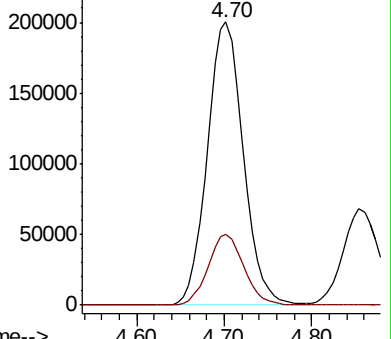
43 100

72 25.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 40.597 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005412.D

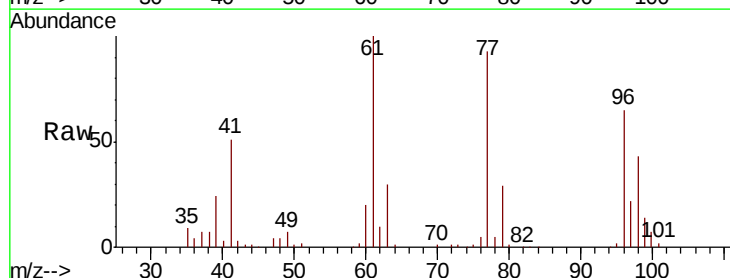
Acq: 18 Oct 2018 01:34

Tgt Ion: 77 Resp: 132612

Ion Ratio Lower Upper

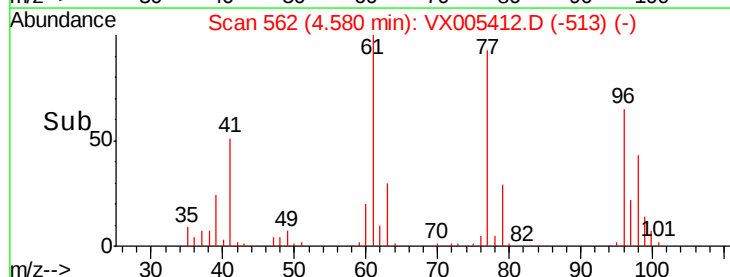
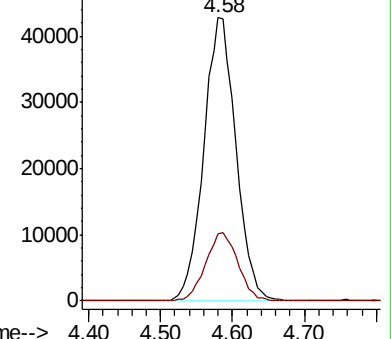
77 100

97 24.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



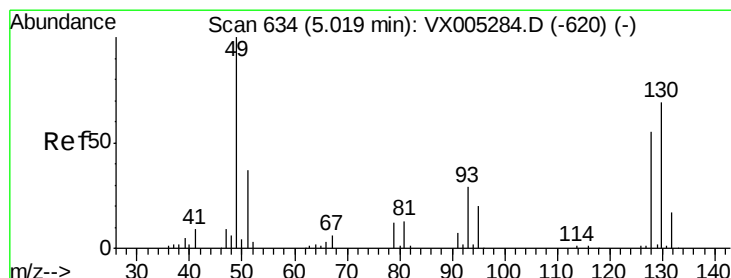
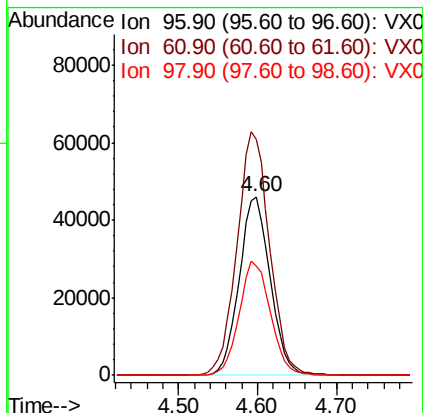
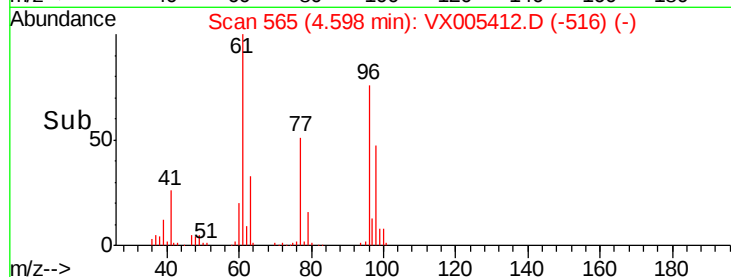
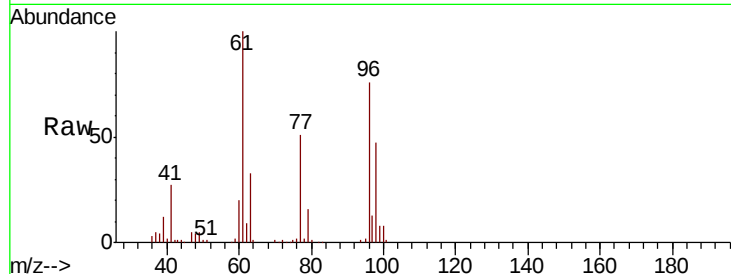


#27

cis-1,2-Dichloroethene
Concen: 50.608 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

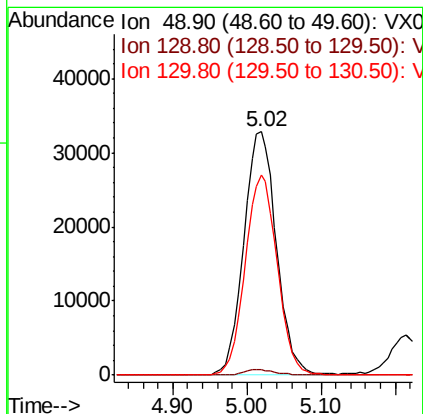
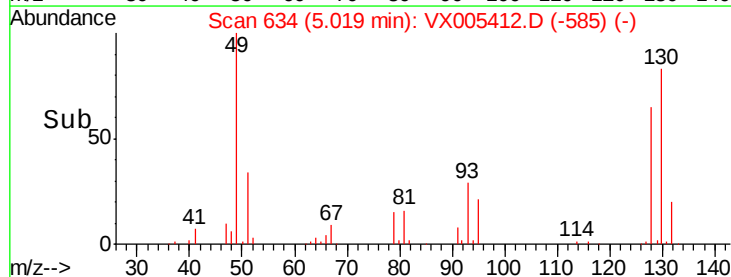
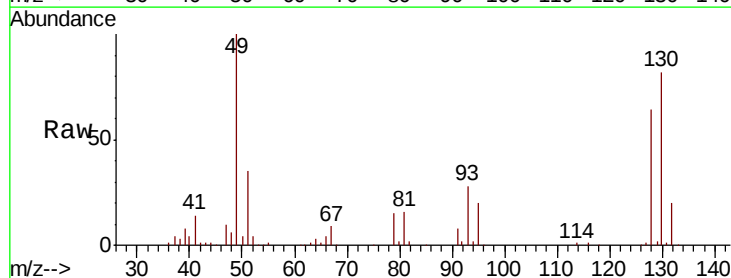
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	282.6
98	64.4	0.0	130.2

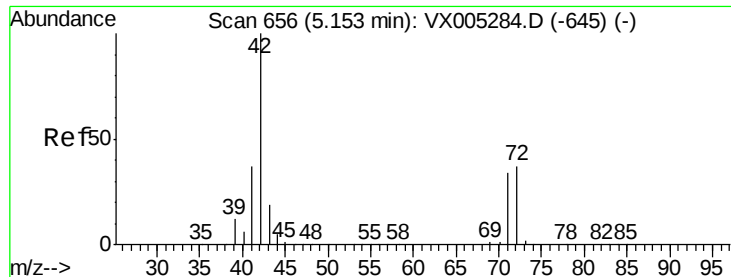


#28

Bromochloromethane
Concen: 50.639 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	80.7	67.5	101.3

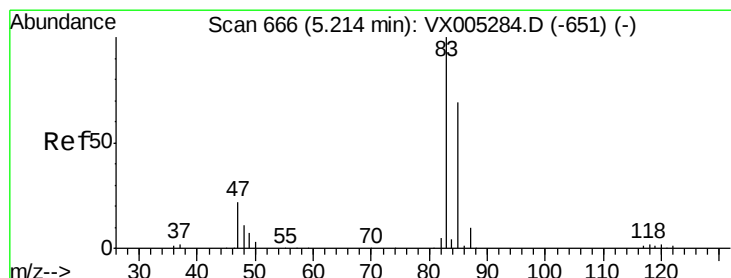
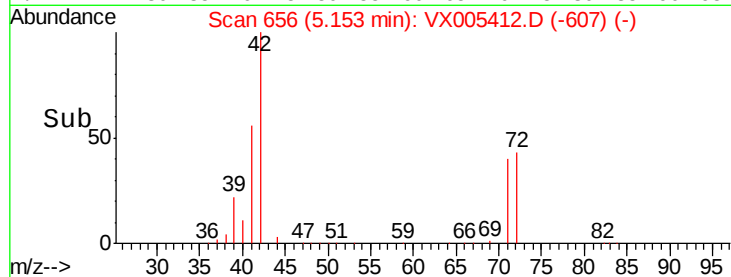
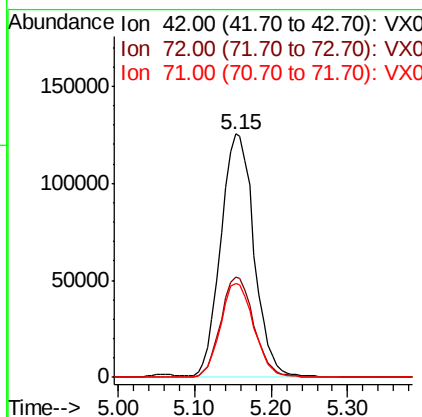
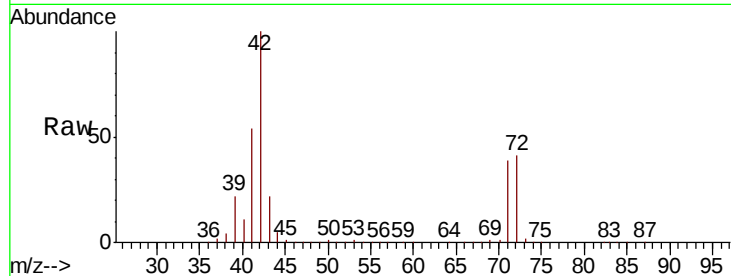




#29
Tetrahydrofuran
Concen: 266.700 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

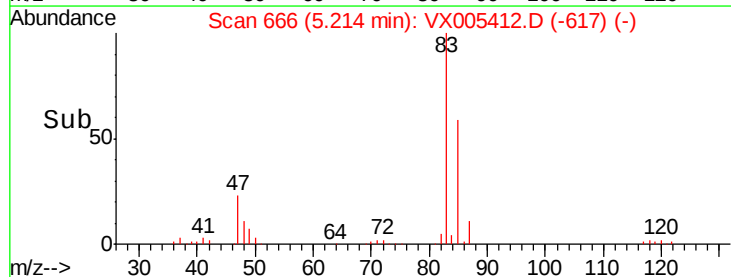
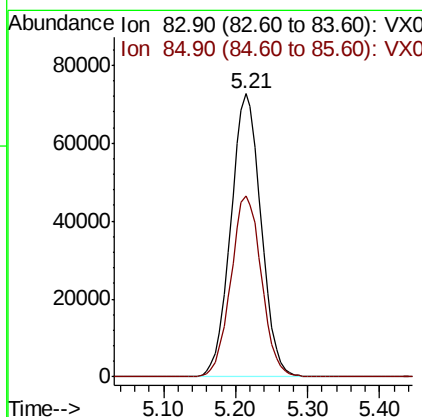
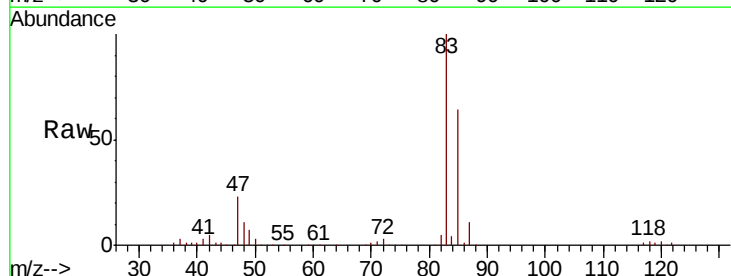
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

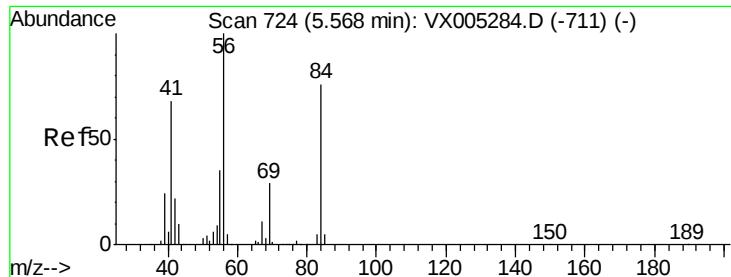
Tot Ion: 42 Resp: 376881
Ion Ratio Lower Upper
42 100
72 41.4 37.4 56.0
71 38.7 34.5 51.7



#30
Chloroform
Concen: 52.329 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 83 Resp: 212142
Ion Ratio Lower Upper
83 100
85 64.0 52.6 79.0

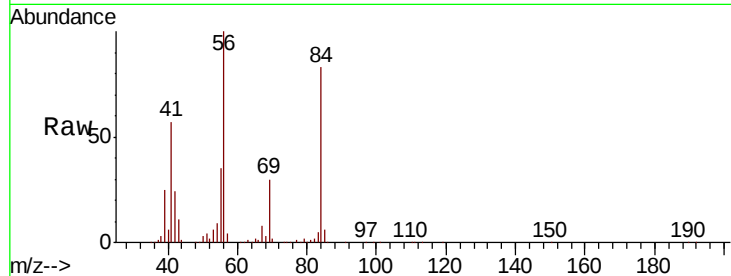




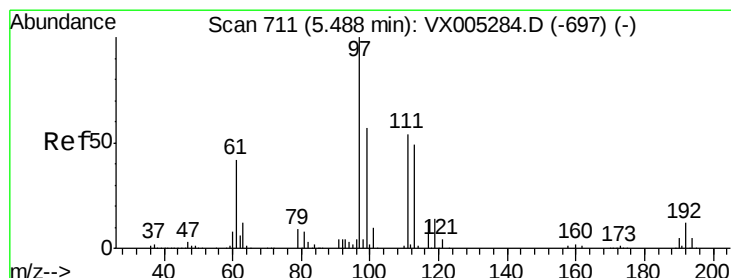
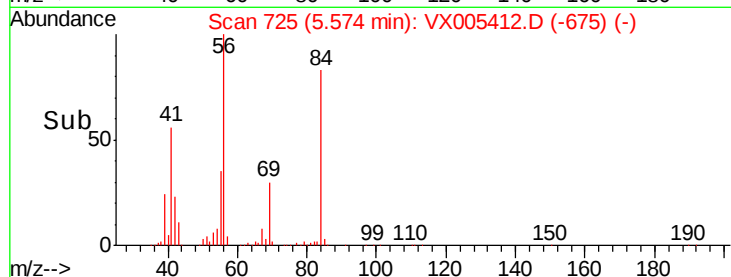
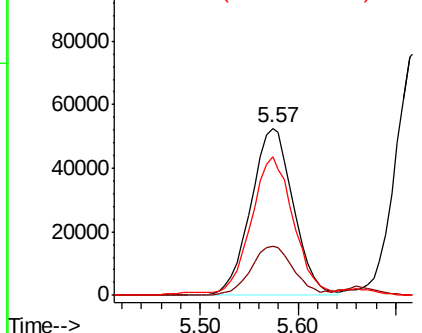
#31
Cyclohexane
Concen: 44.282 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion: 56 Resp: 159409
Ion Ratio Lower Upper
56 100
69 29.7 25.4 38.2
84 80.9 71.4 107.2

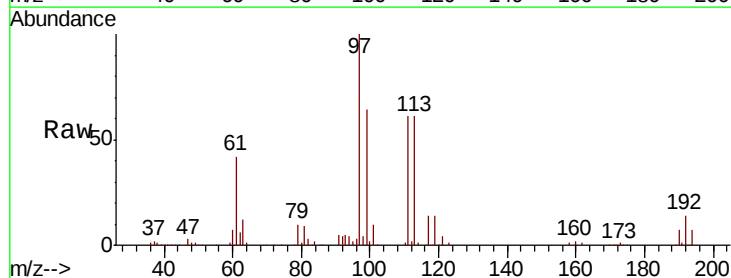


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

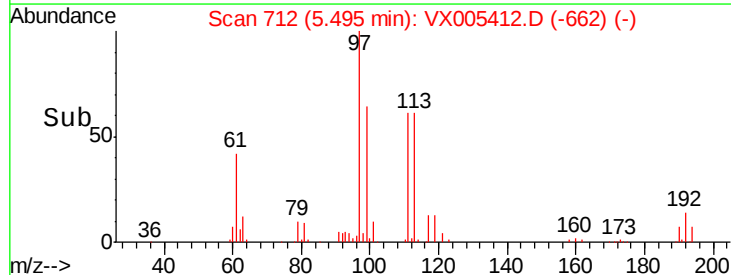
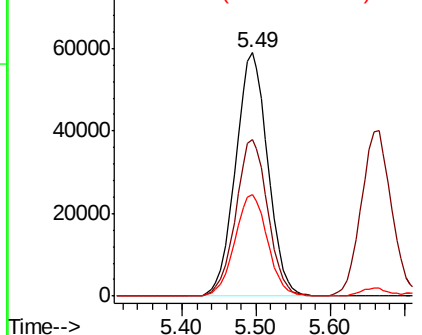


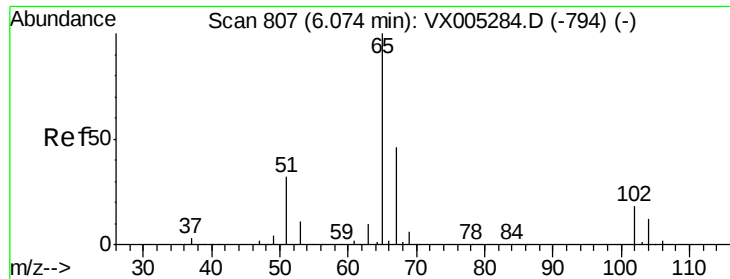
#32
1,1,1-Trichloroethane
Concen: 50.728 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 97 Resp: 178942
Ion Ratio Lower Upper
97 100
99 63.8 52.0 78.0
61 42.4 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

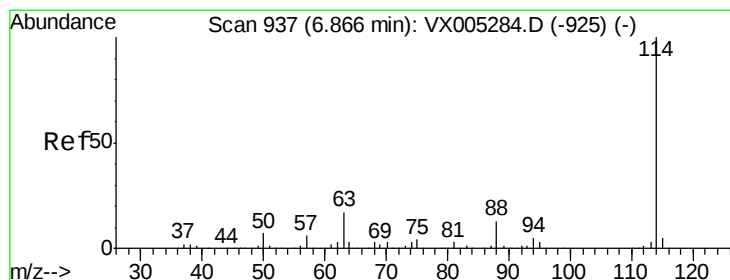
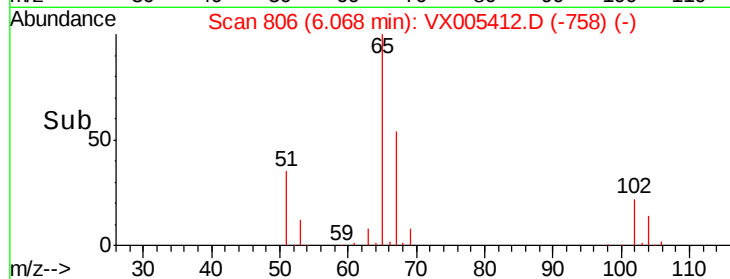
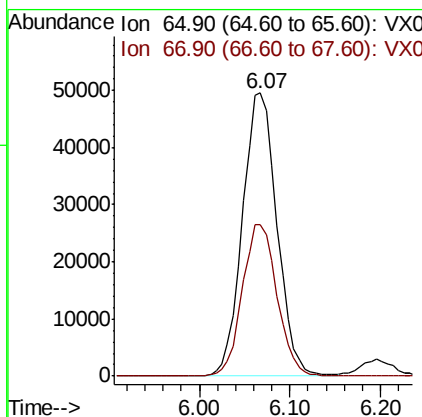
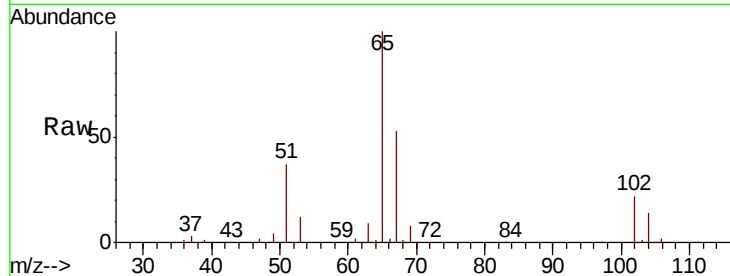




#33
 1,2-Dichloroethane-d4
 Concen: 49.875 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

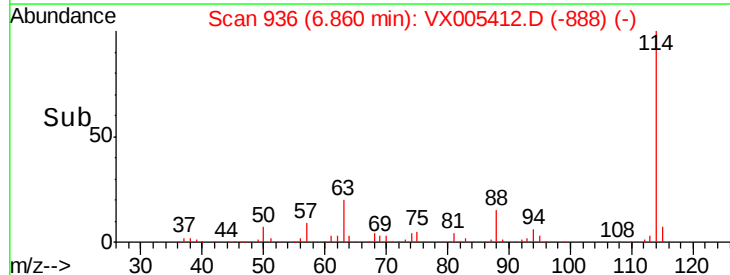
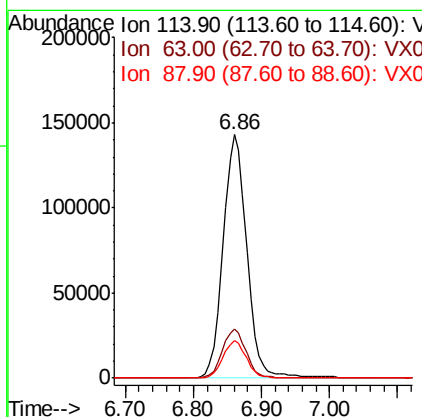
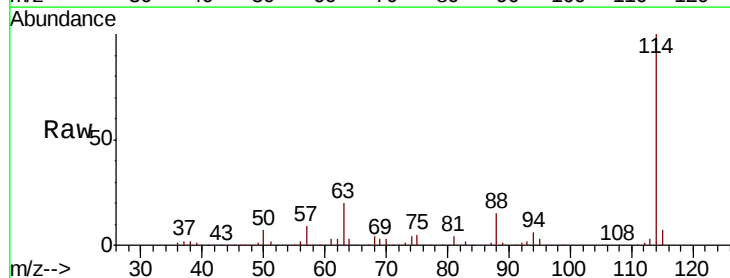
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

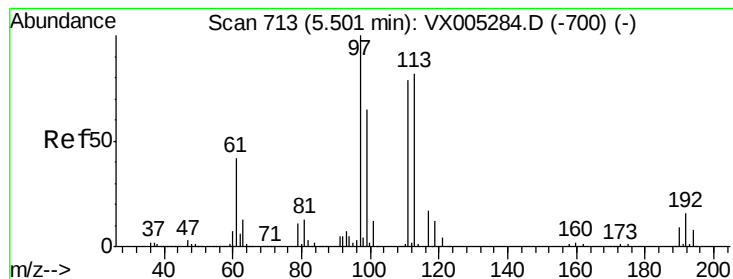
Tot Ion: 65 Resp: 130613
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 114 Resp: 346377
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.674 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

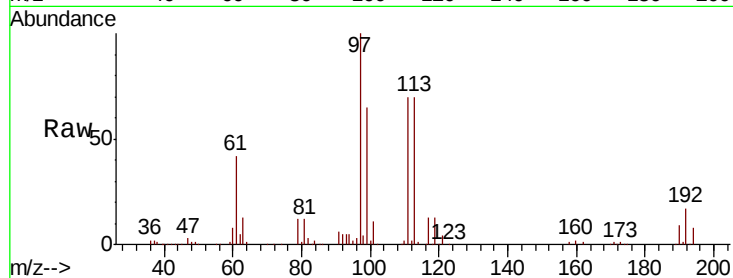
Tot Ion:113 Resp: 109371

Ion Ratio Lower Upper

113 100

111 100.9 82.4 123.6

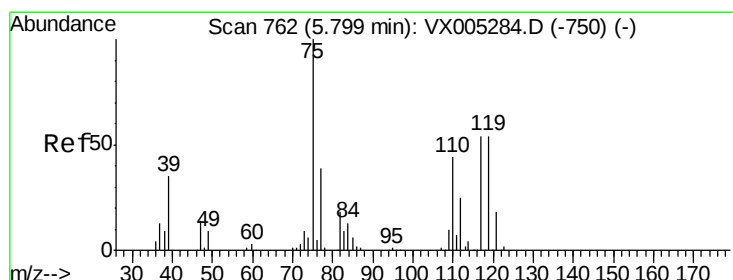
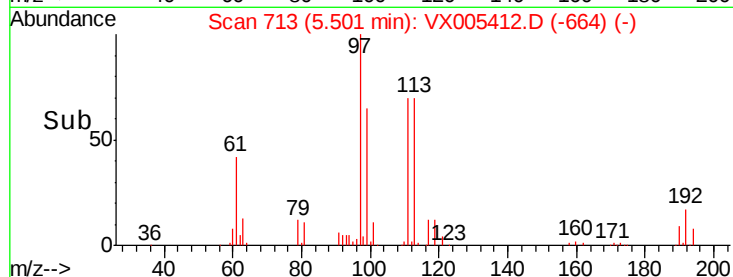
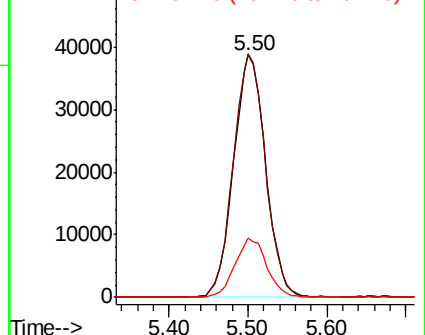
192 24.1 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 43.287 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

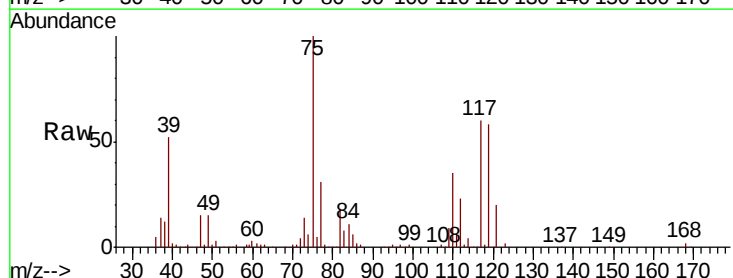
Tgt Ion: 75 Resp: 145212

Ion Ratio Lower Upper

75 100

110 36.4 18.0 54.0

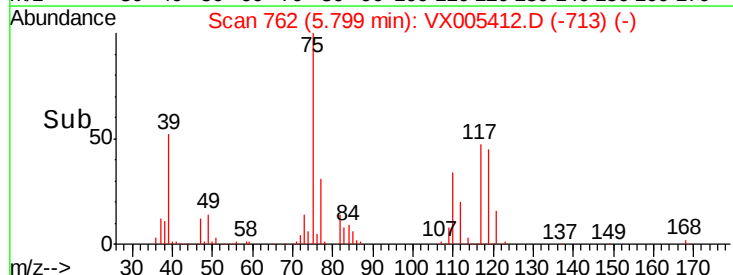
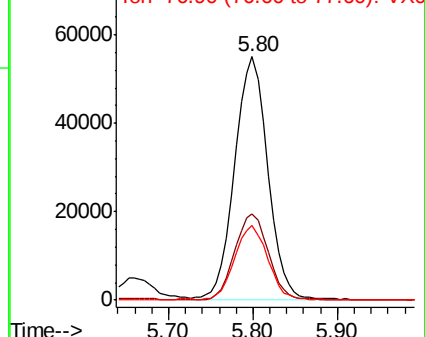
77 30.7 24.6 36.8

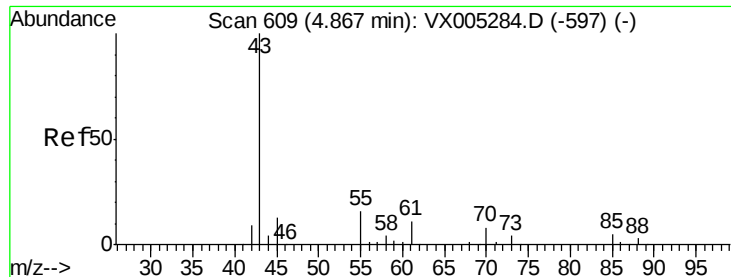


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

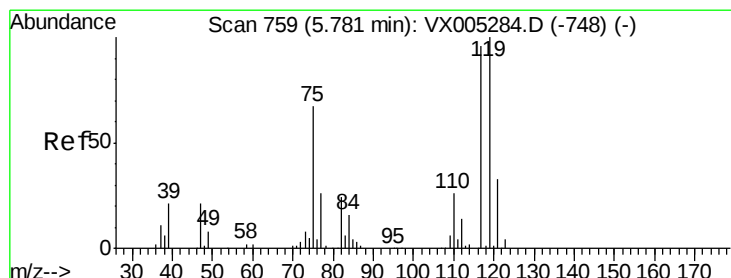
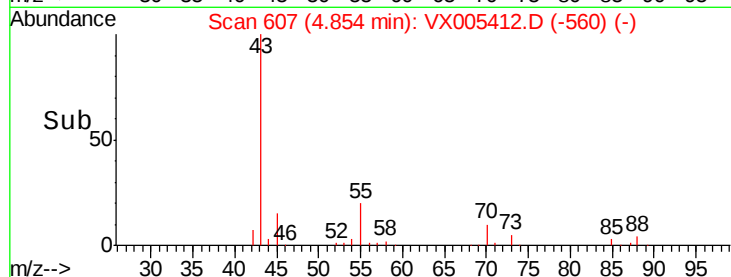
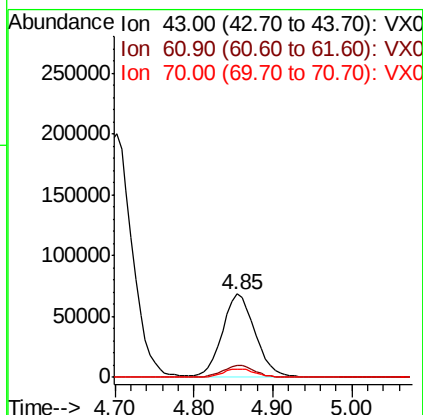
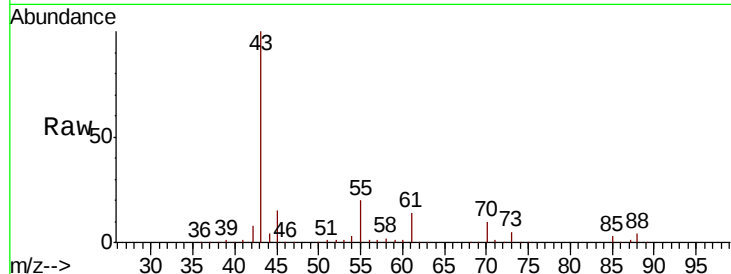




#37
Ethyl Acetate
Concen: 45.989 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

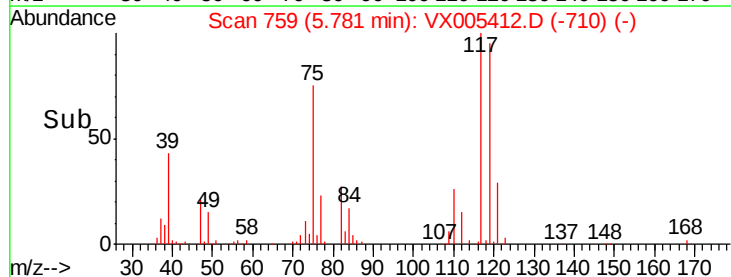
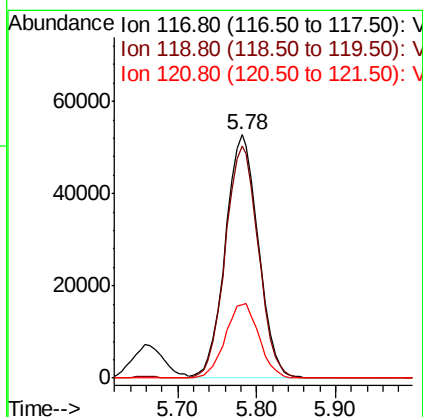
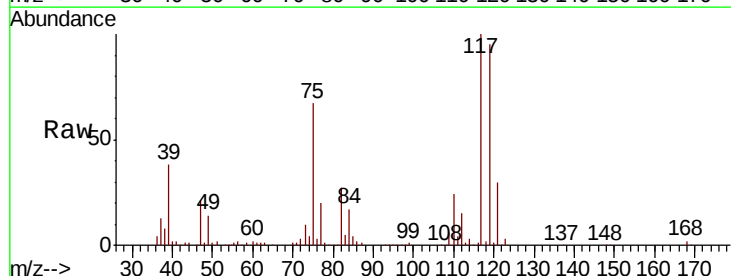
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

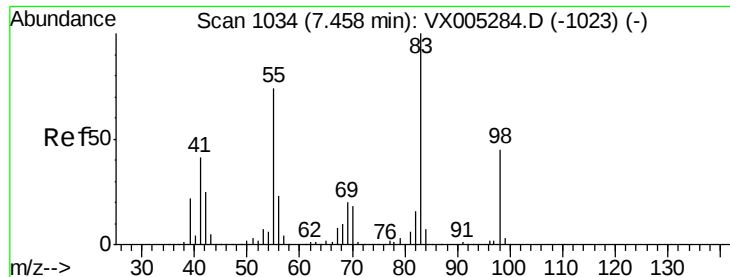
Tot Ion: 43 Resp: 198404
Ion Ratio Lower Upper
43 100
61 13.7 11.5 17.3
70 10.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 45.564 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 117 Resp: 153582
Ion Ratio Lower Upper
117 100
119 95.0 78.8 118.2
121 29.9 24.9 37.3

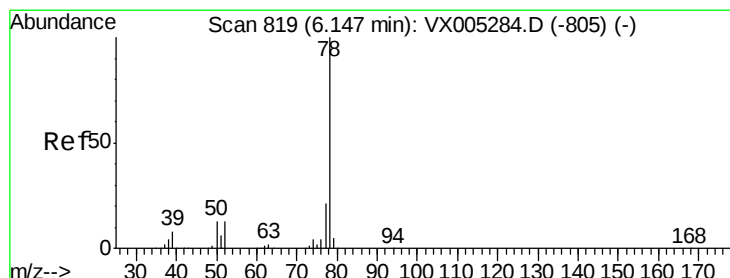
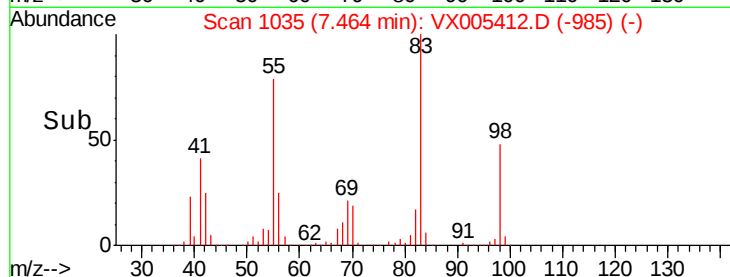
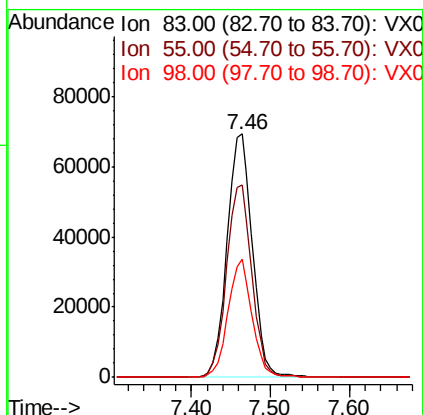
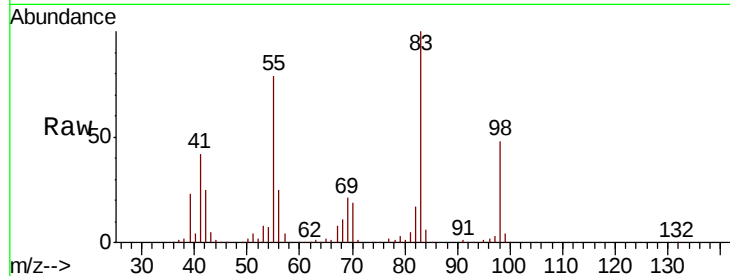




#39
Methvlcvclohexane
Concen: 42.554 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

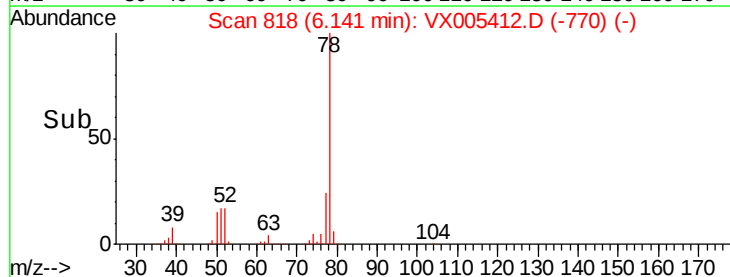
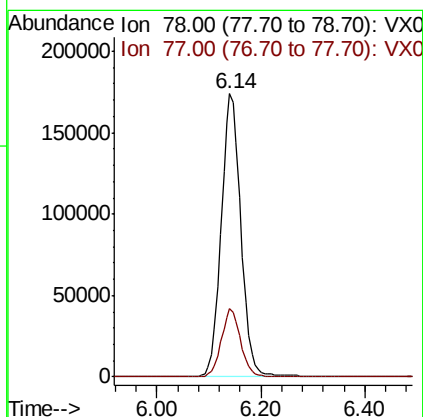
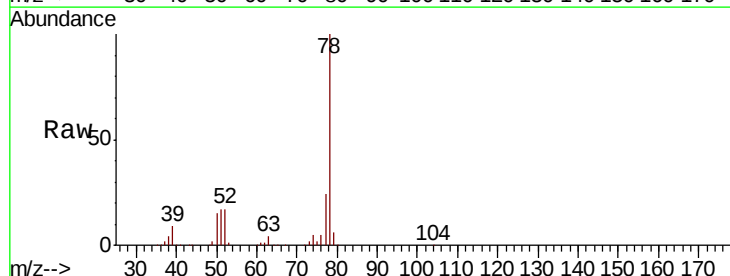
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

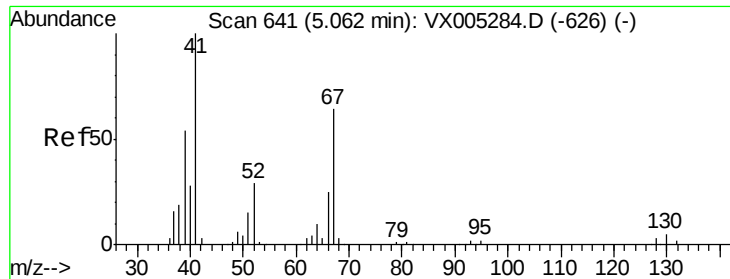
Tot Ion: 83 Resp: 154502
Ion Ratio Lower Upper
83 100
55 79.1 61.0 91.4
98 48.3 39.6 59.4



#40
Benzene
Concen: 45.900 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 78 Resp: 461907
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4

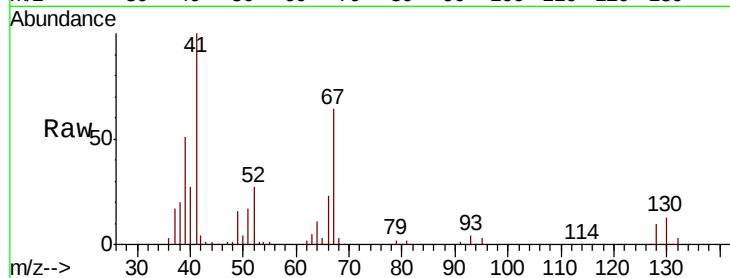




#41
Methacrylonitrile
Concen: 49.649 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion:	41	Resp:	114831
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.4	63.6
67	69.5	59.2	88.8
52	28.4	23.0	34.4



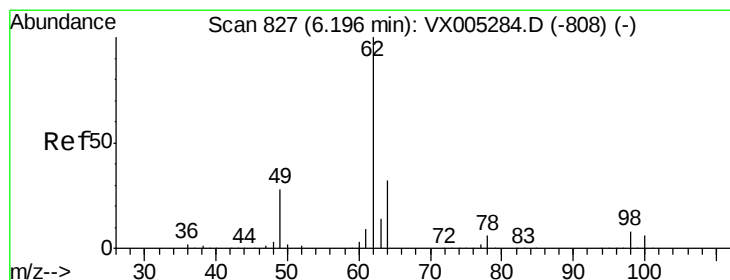
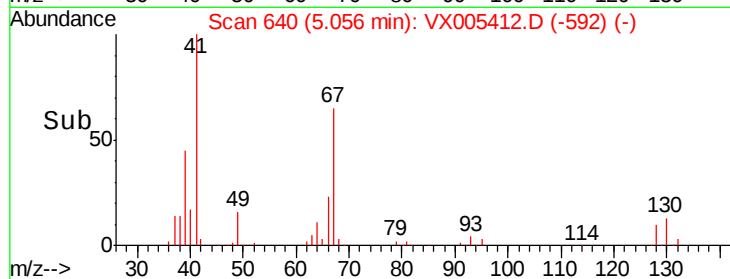
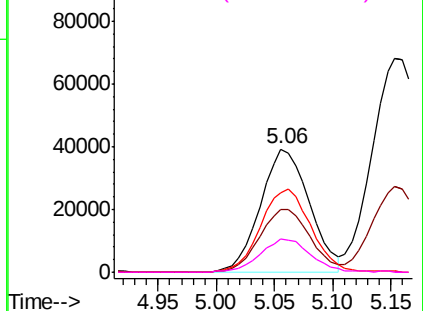
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

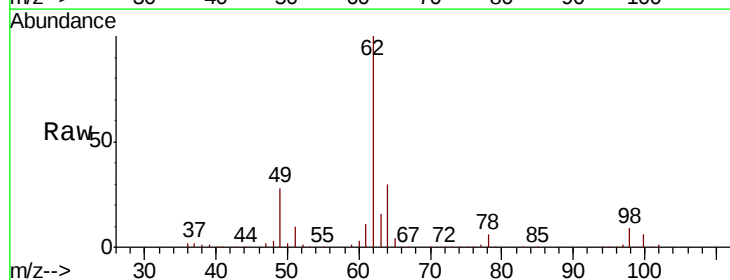
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 48.293 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

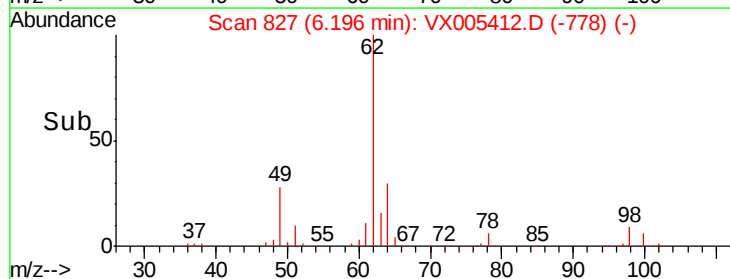
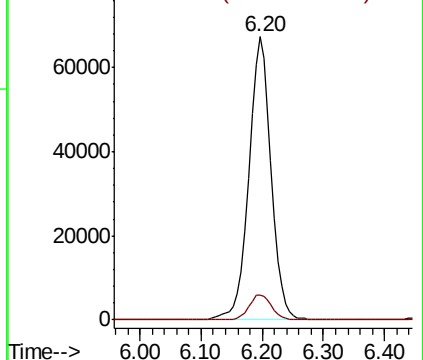
Tgt Ion:	62	Resp:	171602
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.6

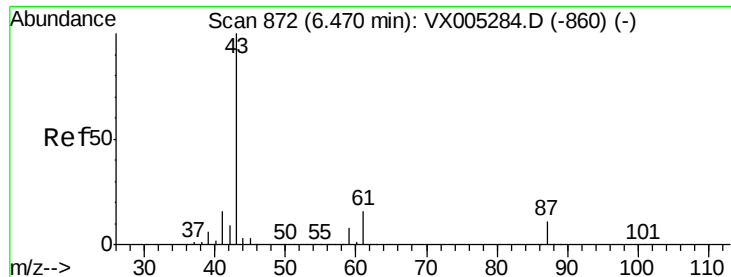


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 55.984 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

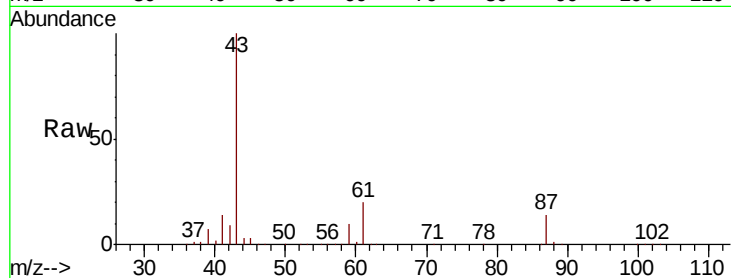
Tot Ion: 43 Resp: 321731

Ion Ratio Lower Upper

43 100

61 19.7 17.0 25.4

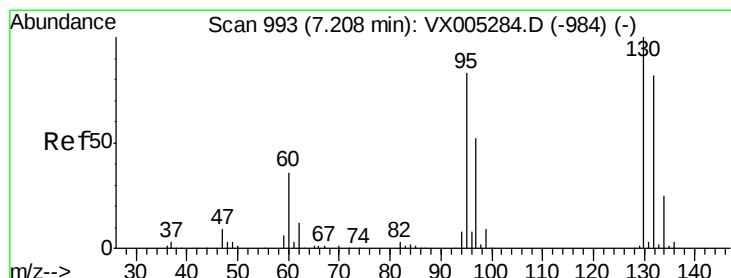
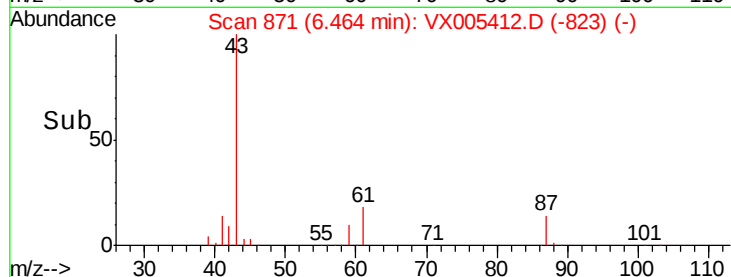
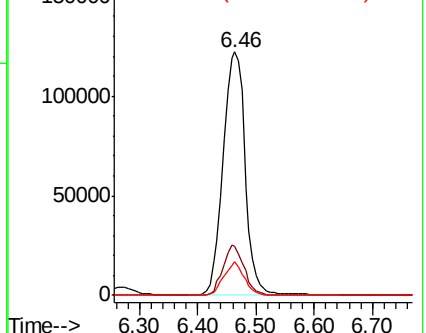
87 12.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.275 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005412.D

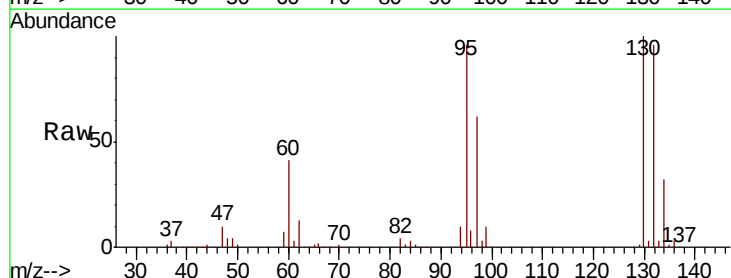
Acq: 18 Oct 2018 01:34

Tgt Ion:130 Resp: 124096

Ion Ratio Lower Upper

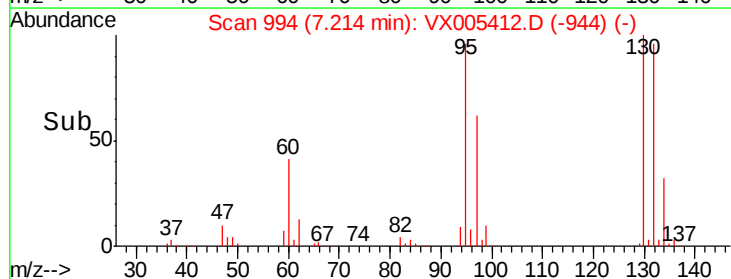
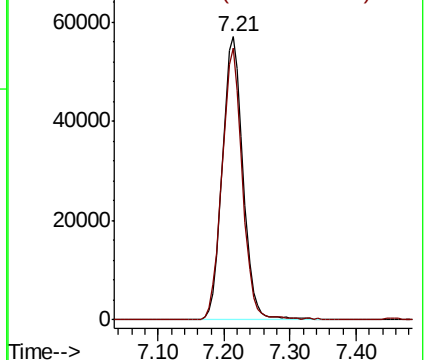
130 100

95 95.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

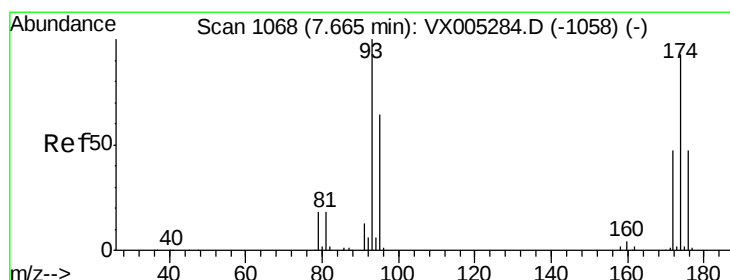
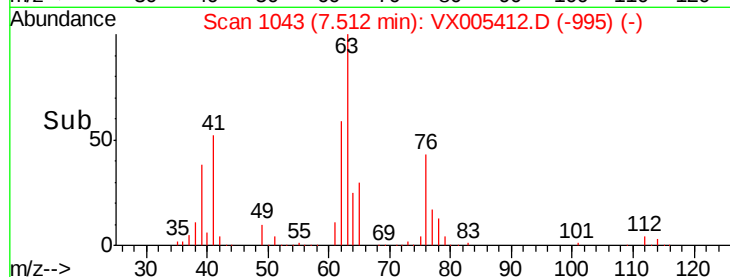
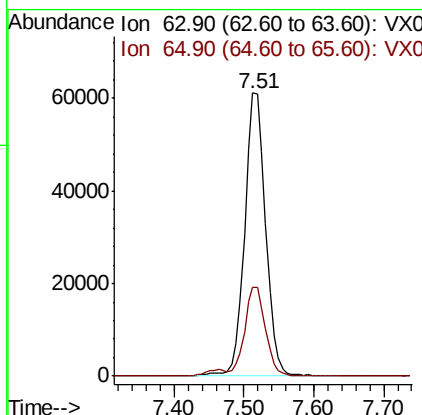
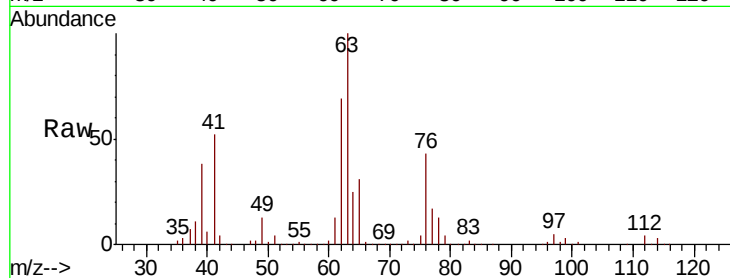




#45
 1,2-Dichloropropane
 Concen: 51.623 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

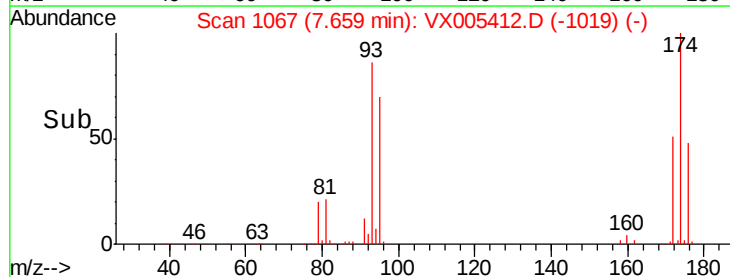
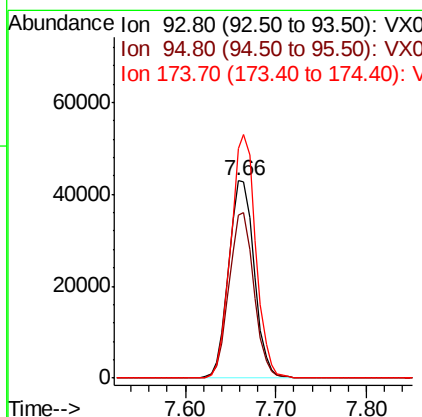
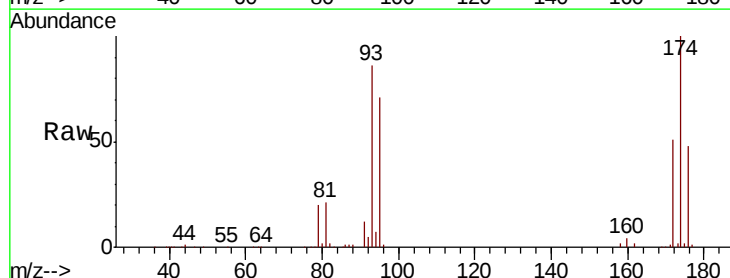
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tot Ion: 63 Resp: 127431
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.3 36.5



#46
 Dibromomethane
 Concen: 51.743 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 93 Resp: 84302
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.5 98.3
 174 120.8 94.2 141.4

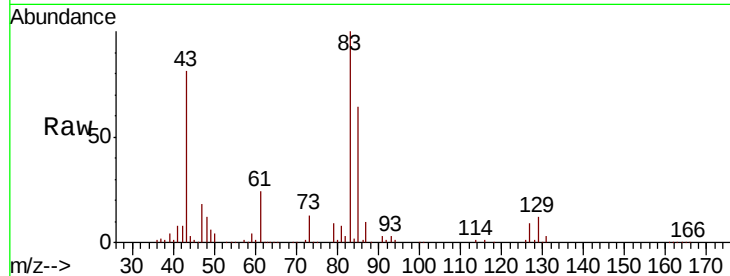




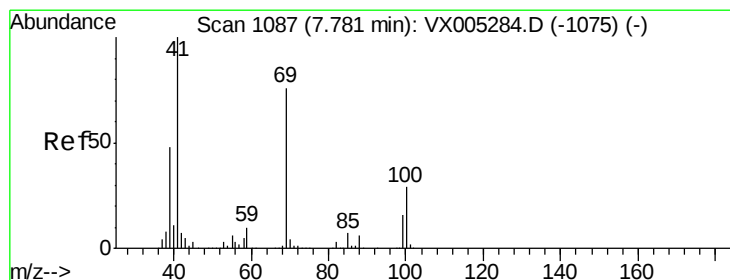
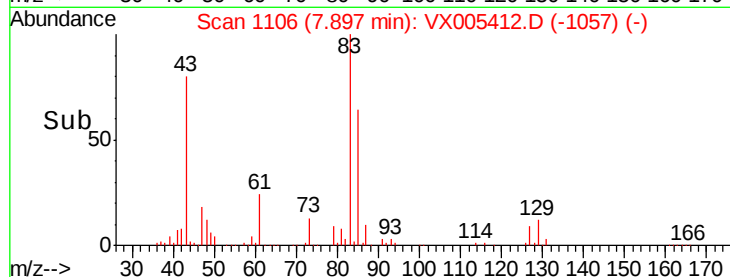
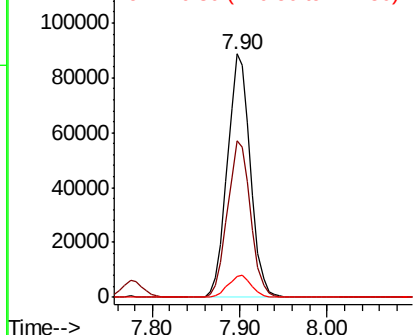
#47
 Bromodichloromethane
 Concen: 53.555 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tot Ion: 83 Resp: 161395
 Ion Ratio Lower Upper
 83 100
 85 64.3 50.9 76.3
 127 8.6 7.3 10.9

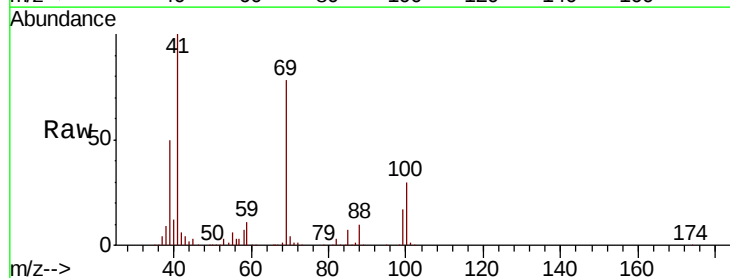


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

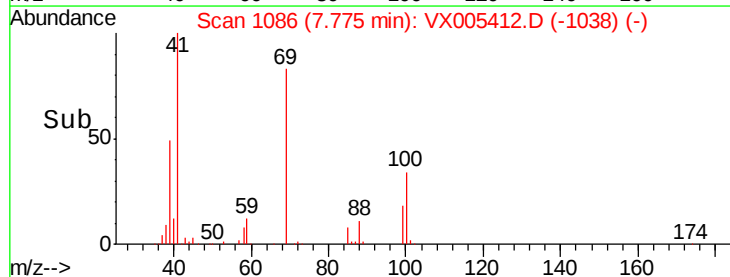
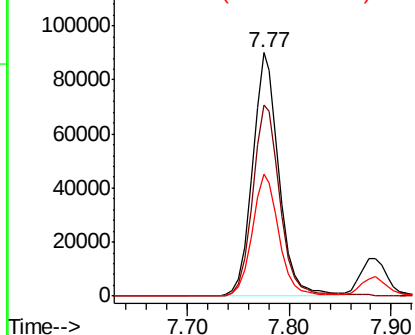


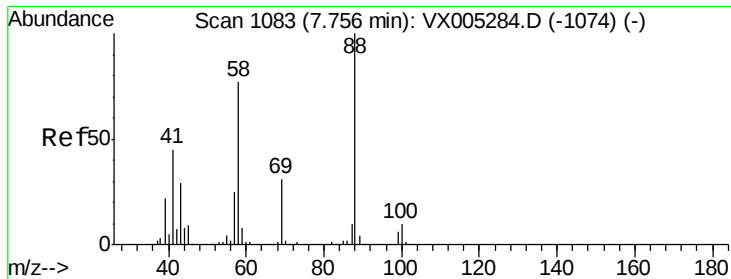
#48
 Methyl methacrylate
 Concen: 54.440 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 41 Resp: 162265
 Ion Ratio Lower Upper
 41 100
 69 81.9 70.2 105.4
 39 50.6 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: 959.472 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

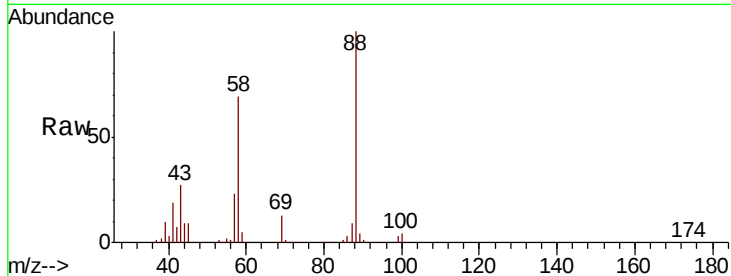
Tot Ion: 88 Resp: 65961

Ion Ratio Lower Upper

88 100

43 32.9 24.7 37.1

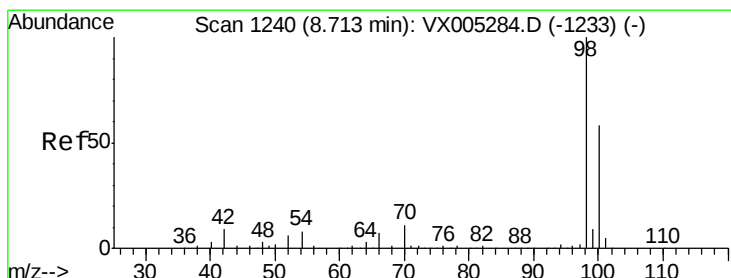
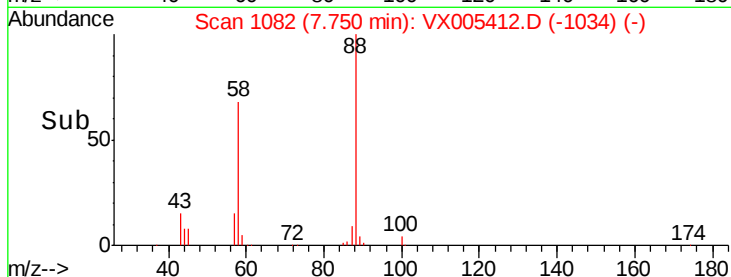
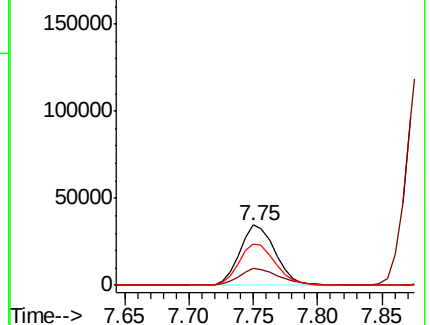
58 70.7 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.523 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005412.D

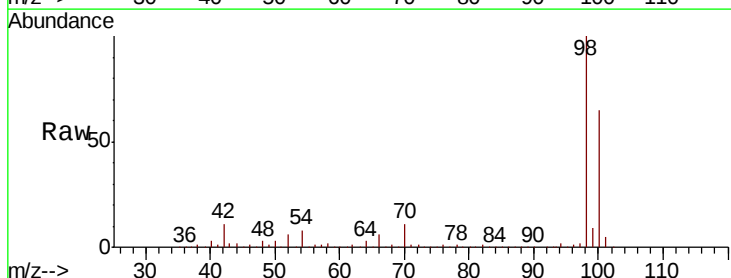
Acq: 18 Oct 2018 01:34

Tgt Ion: 98 Resp: 397920

Ion Ratio Lower Upper

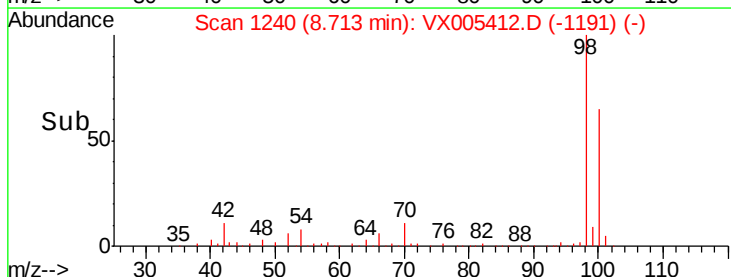
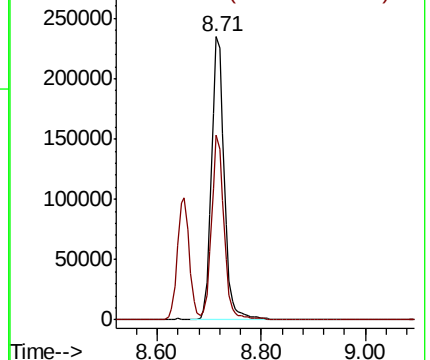
98 100

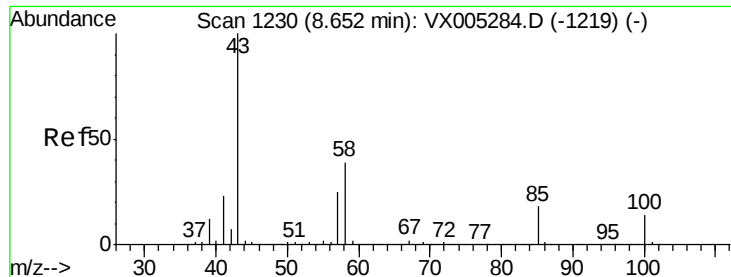
100 63.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

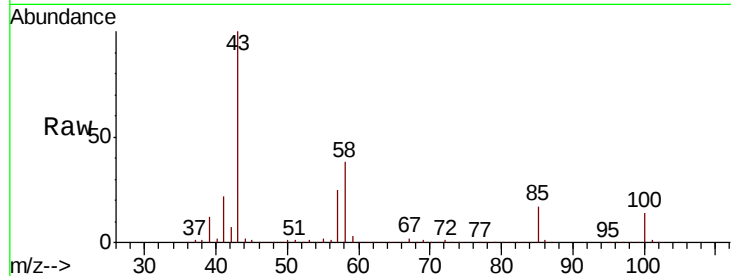




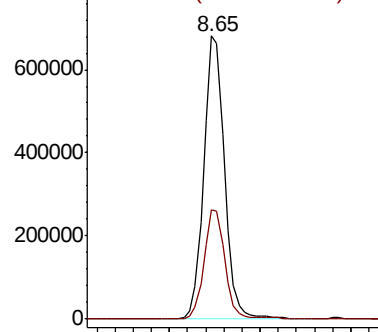
#51
4-Methyl-2-Pentanone
Concen: 275.464 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

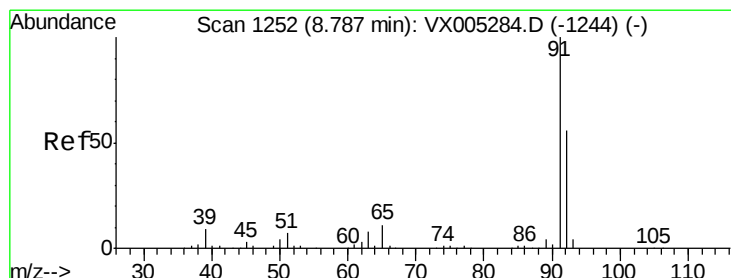
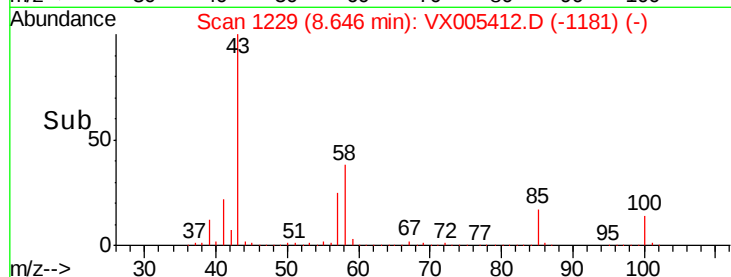
Tot Ion: 43 Resp: 1096126
Ion Ratio Lower Upper
43 100
58 39.3 33.1 49.7



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

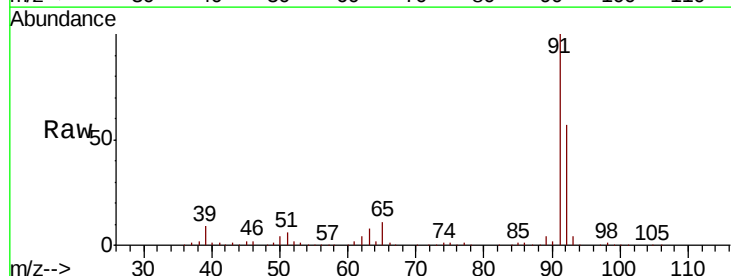


Time-->

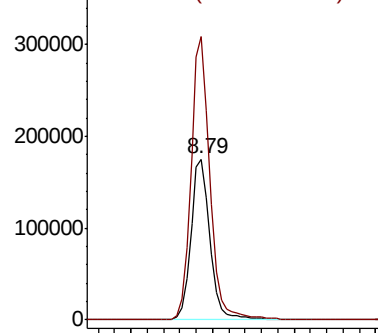


#52
Toluene
Concen: 52.579 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

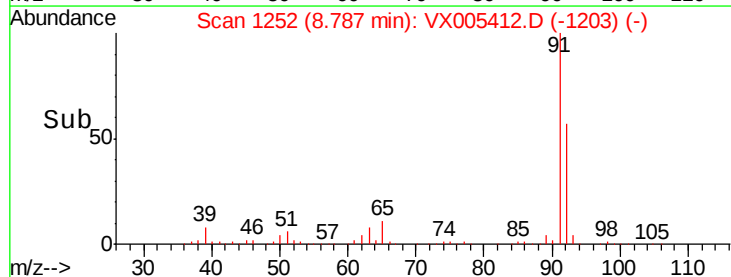
Tgt Ion: 92 Resp: 289474
Ion Ratio Lower Upper
92 100
91 174.0 136.4 204.6

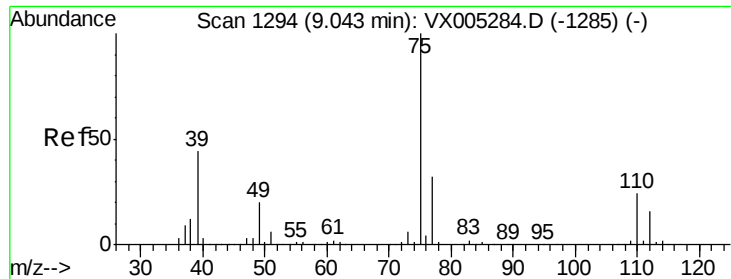


Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



Time-->

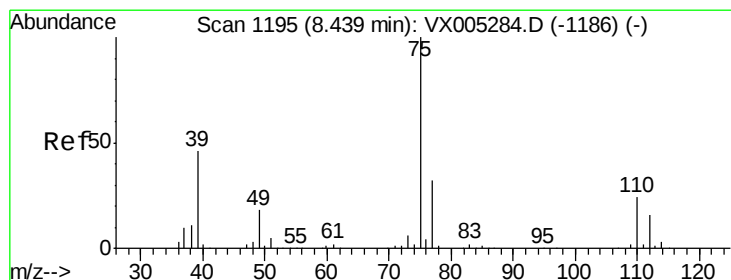
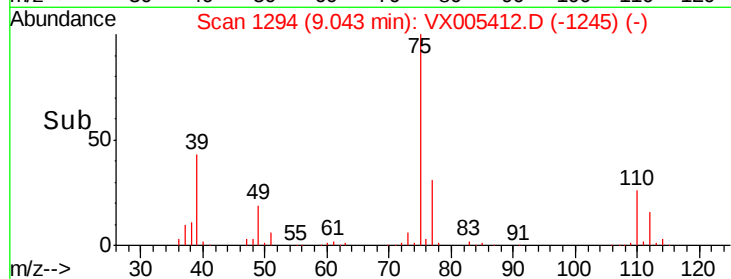
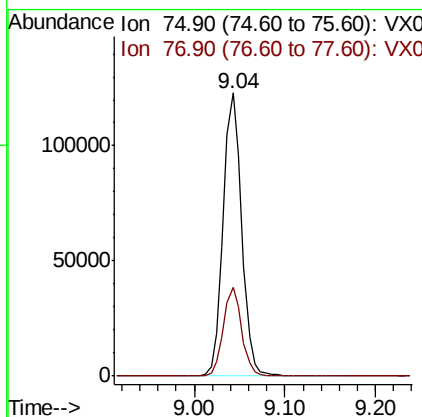
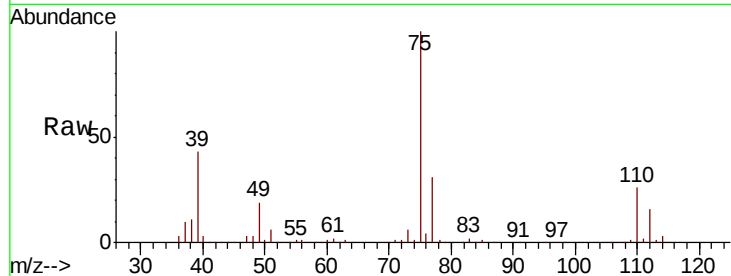




#53
 t-1,3-Dichloropropene
 Concen: 53.798 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

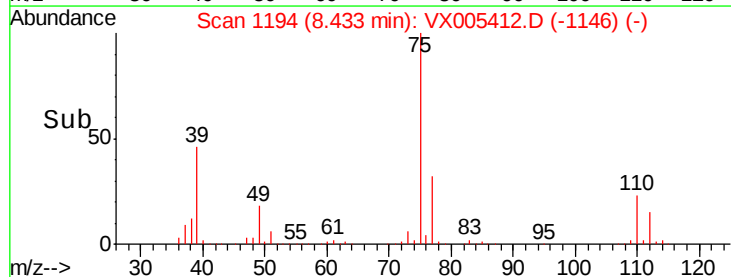
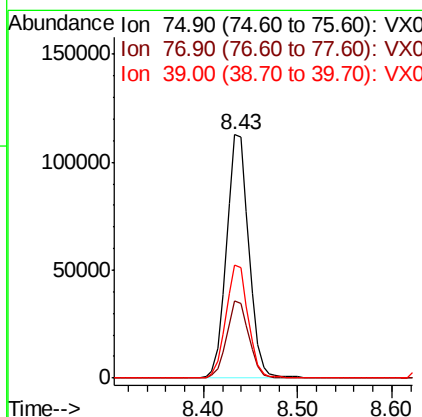
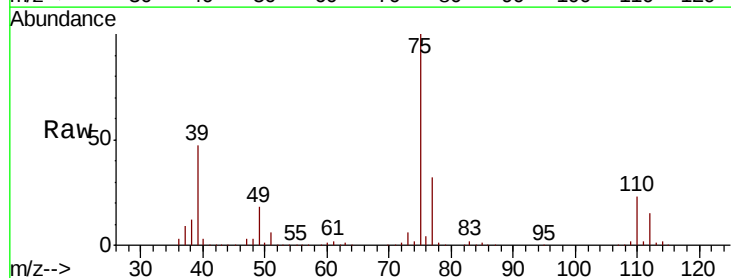
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tot Ion: 75 Resp: 175453
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.429 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 75 Resp: 185271
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2
 39 46.5 36.4 54.6



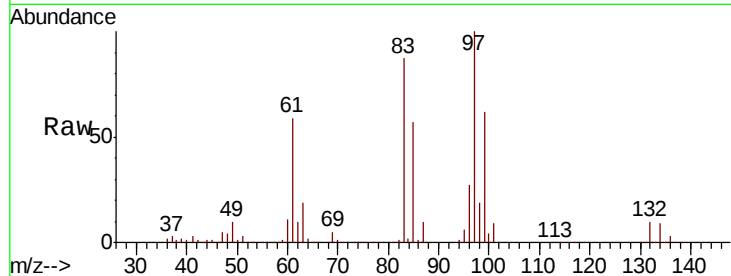


#55
 1,1,2-Trichloroethane
 Concen: 54.722 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tot Ion: 97 Resp: 127606

Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.4	99.6
85	57.3	43.3	64.9
99	62.1	49.0	73.4



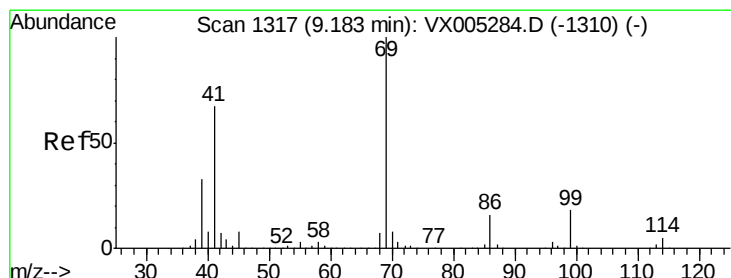
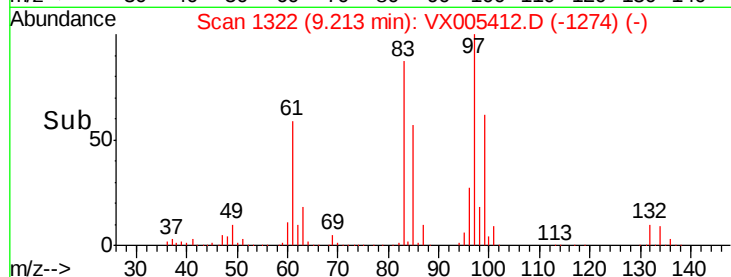
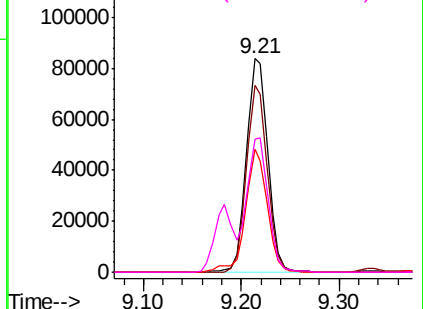
Abundance

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

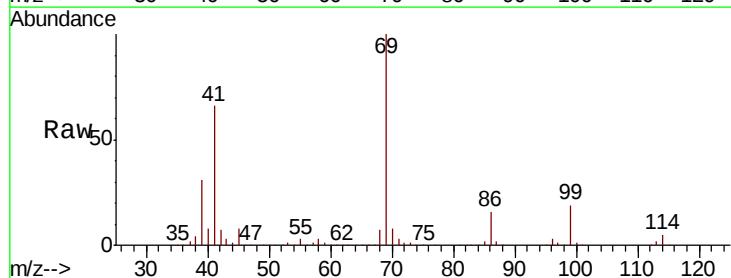
Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 58.252 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 69 Resp: 198024

Ion	Ratio	Lower	Upper
69	100		
41	67.7	51.0	76.4
39	32.8	26.1	39.1

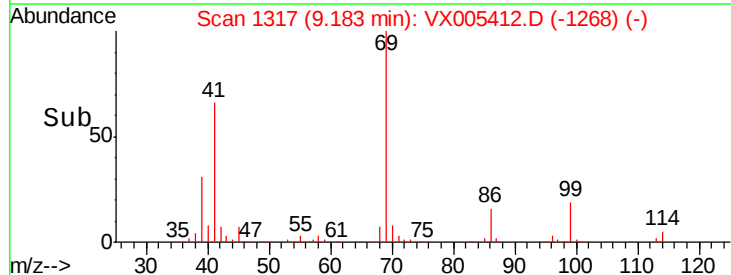
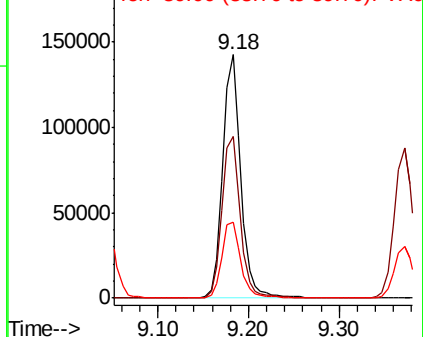


Abundance

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: 53.856 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

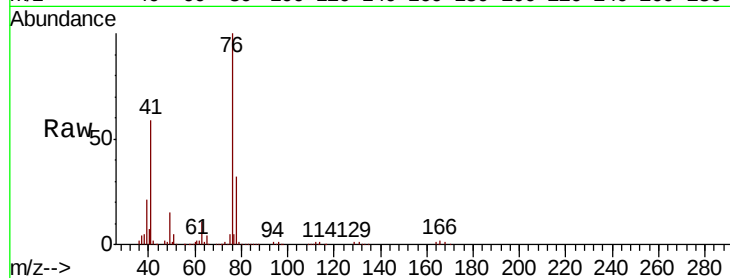
RLF-GW-9SMSD

Tot Ion: 76 Resp: 209613

Ion Ratio Lower Upper

76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

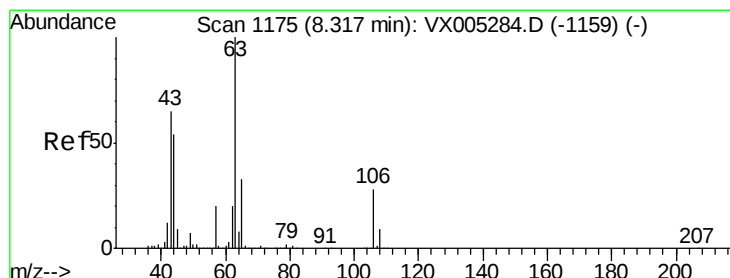
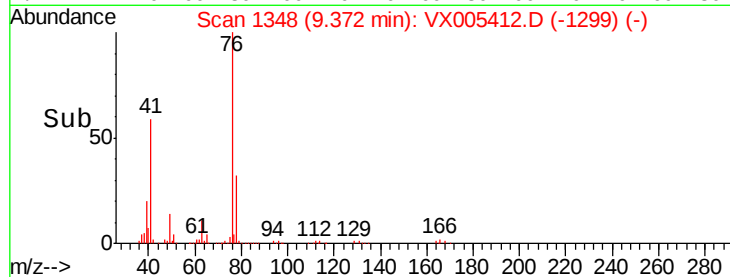
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.464 ug/l

RT: 8.28 min Scan# 1169

Delta R.T. -0.04 min

Lab File: VX005412.D

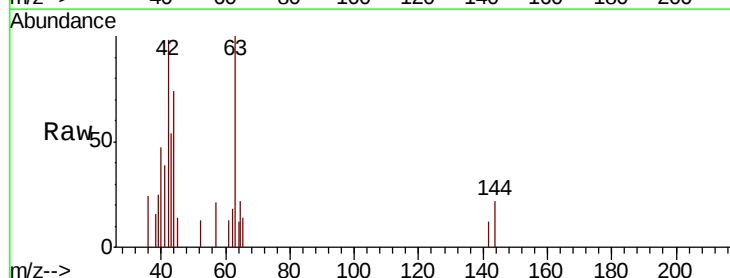
Acq: 18 Oct 2018 01:34

Tgt Ion: 63 Resp: 884

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

8.28

500

400

300

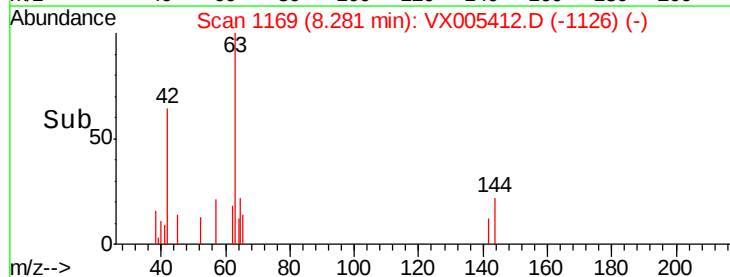
200

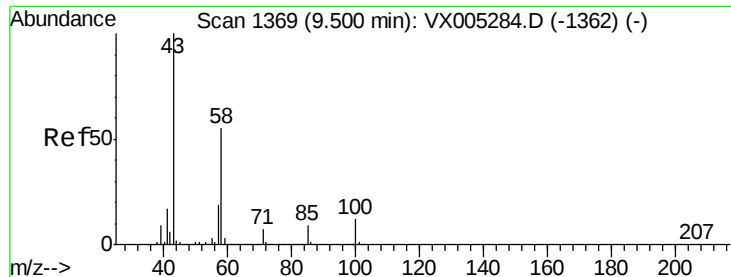
100

0

8.25 8.30 8.35

Time-->

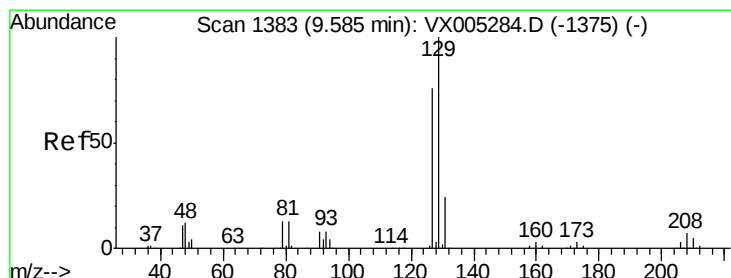
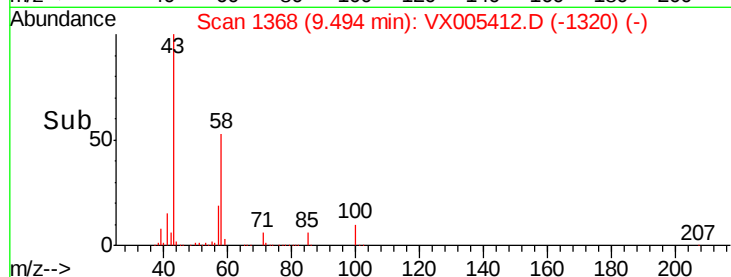
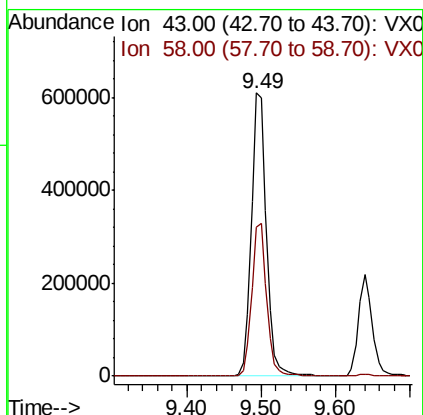
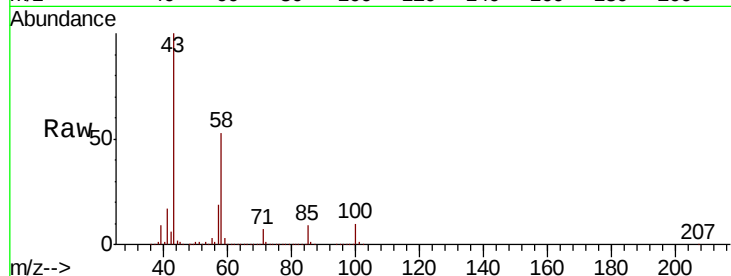




#59
2-Hexanone
Concen: 270.956 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

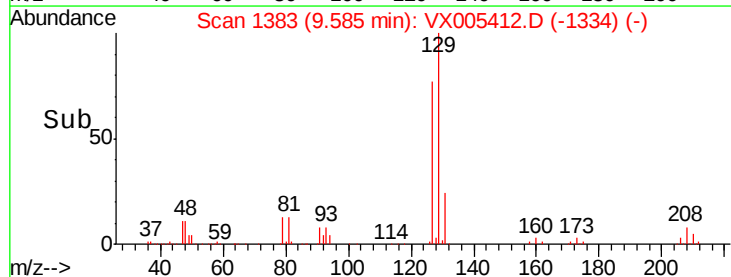
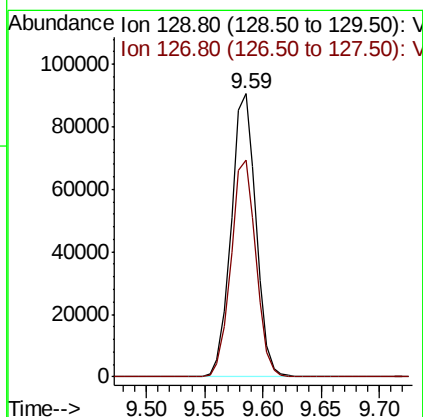
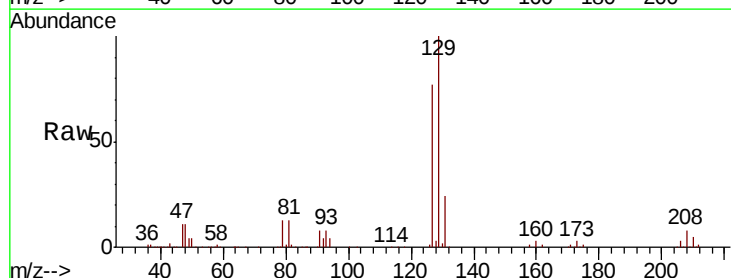
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

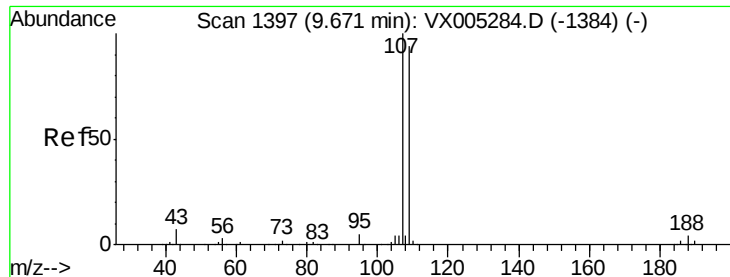
Tot Ion: 43 Resp: 867302
Ion Ratio Lower Upper
43 100
58 53.7 29.0 87.0



#60
Dibromochloromethane
Concen: 55.804 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 129 Resp: 134510
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.806 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

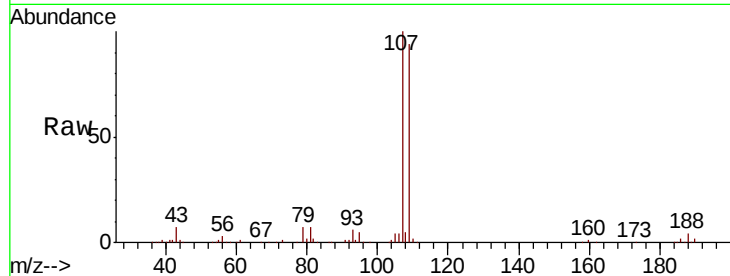
RLF-GW-9SMSD

Tot Ion:107 Resp: 131677

Ion Ratio Lower Upper

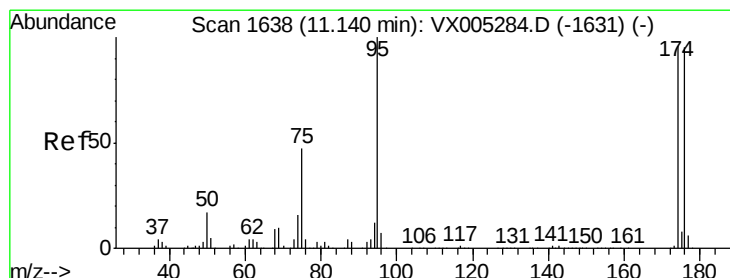
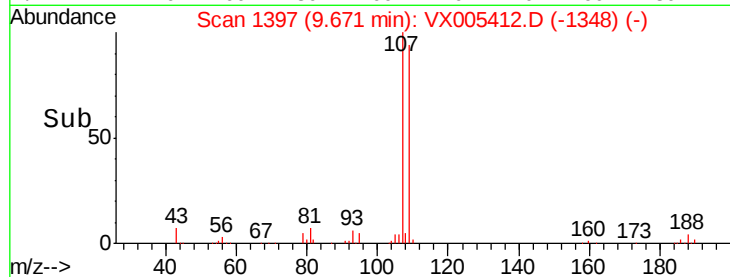
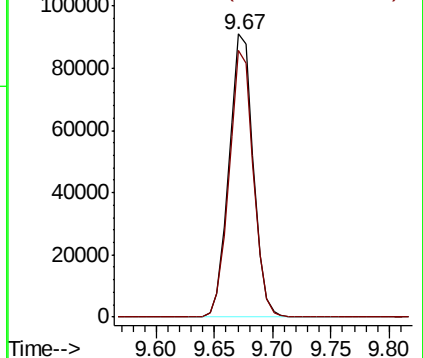
107 100

109 93.9 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: 50.236 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

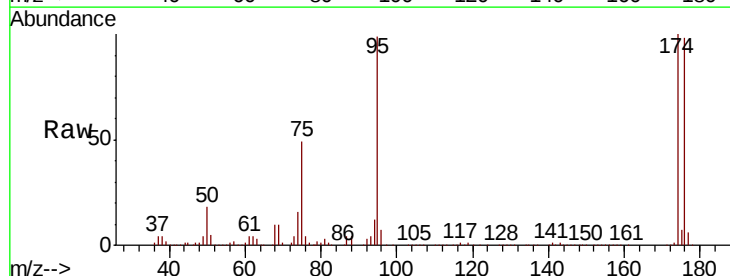
Tgt Ion: 95 Resp: 148635

Ion Ratio Lower Upper

95 100

174 96.1 0.0 185.2

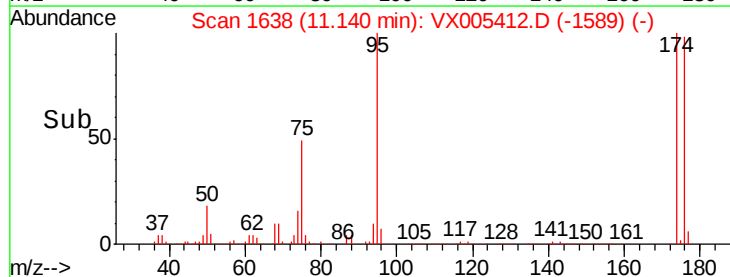
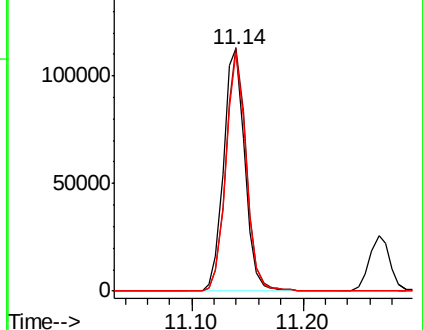
176 93.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

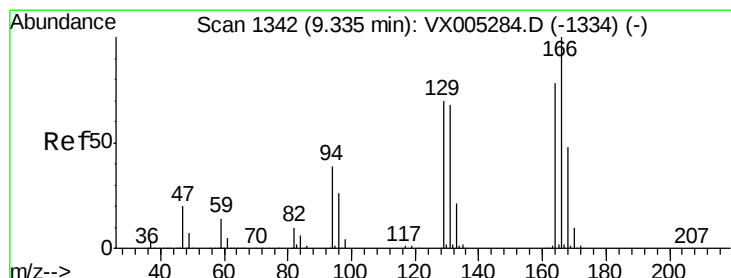
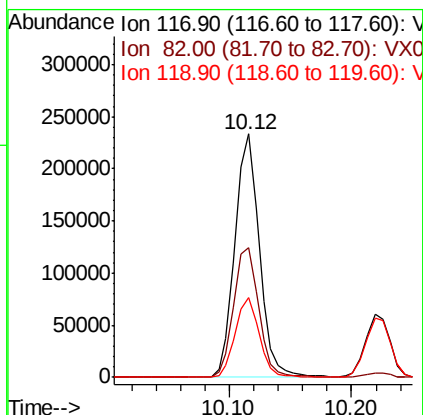
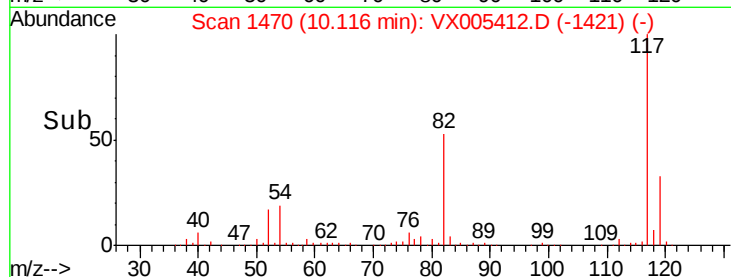
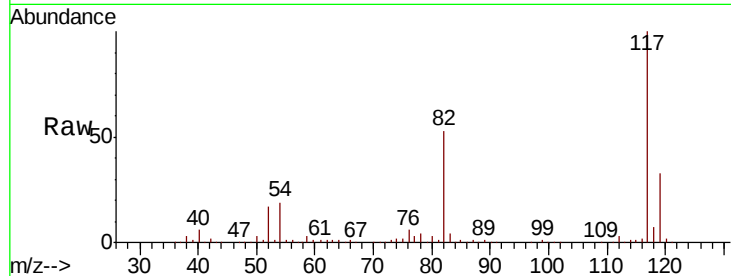




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

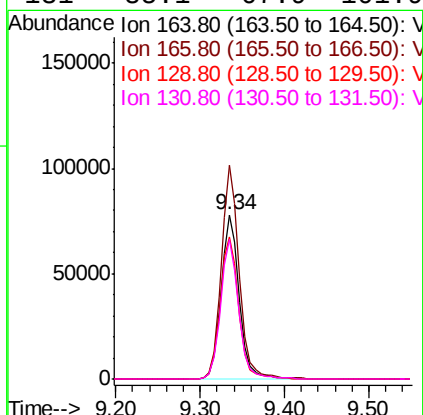
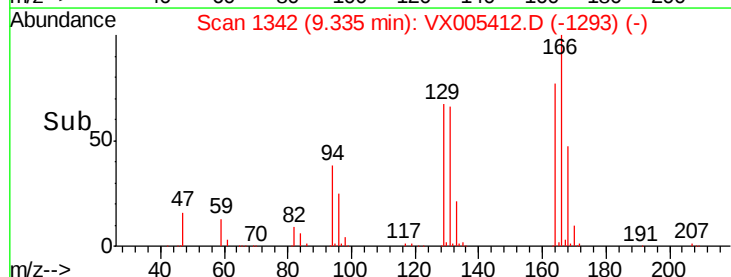
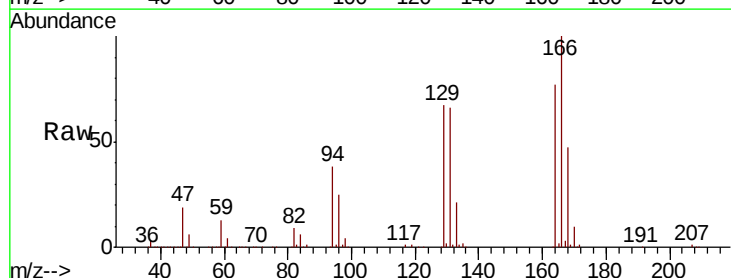
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

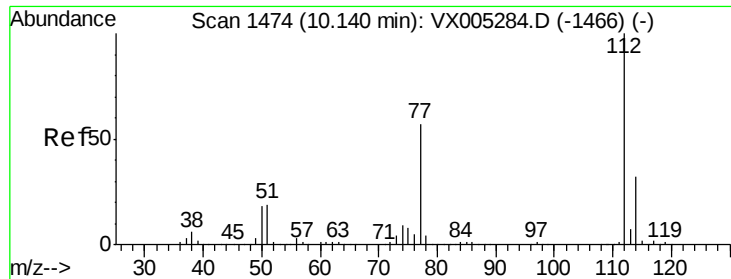
Tot Ion:117 Resp: 323280
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.6 29.3 43.9



#64
Tetrachloroethene
Concen: 44.632 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion:164 Resp: 116159
Ion Ratio Lower Upper
164 100
166 129.9 102.8 154.2
129 86.7 69.4 104.0
131 85.1 67.9 101.9

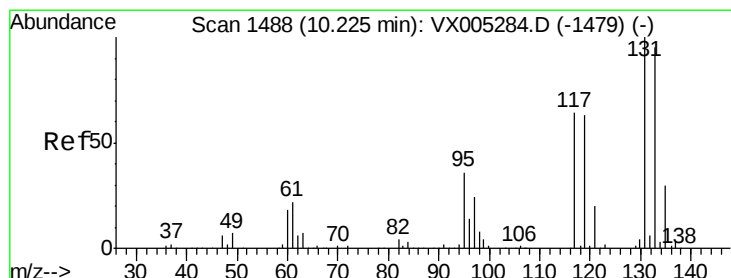
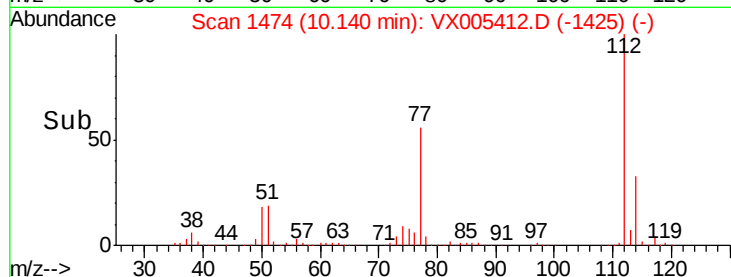
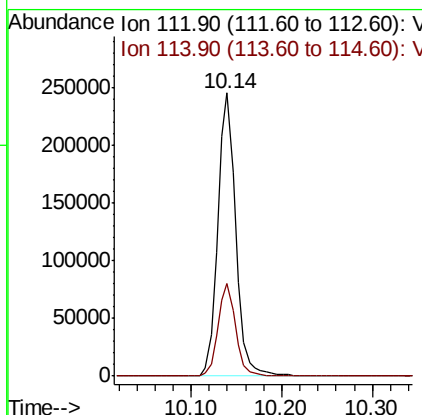
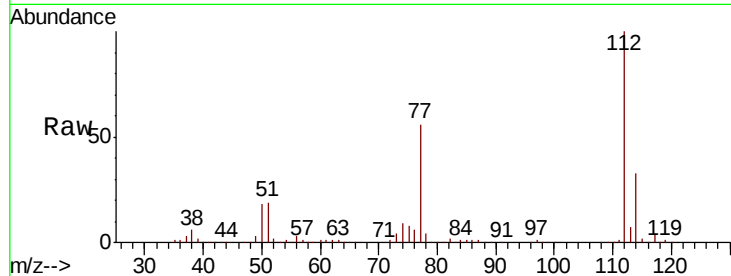




#65
Chlorobenzene
Concen: 49.233 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

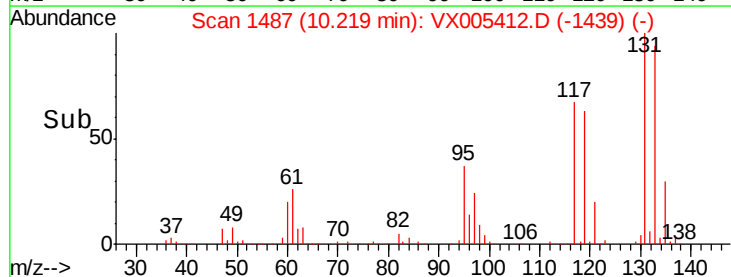
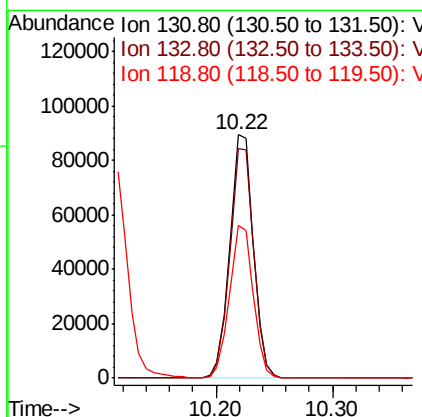
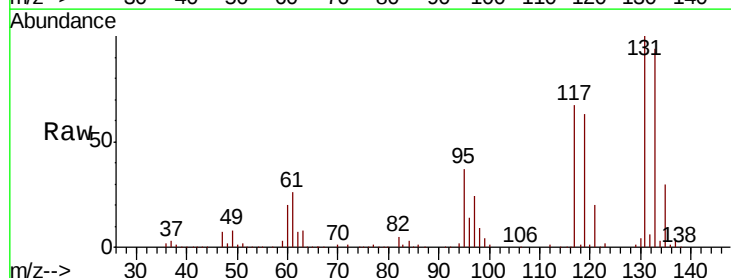
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

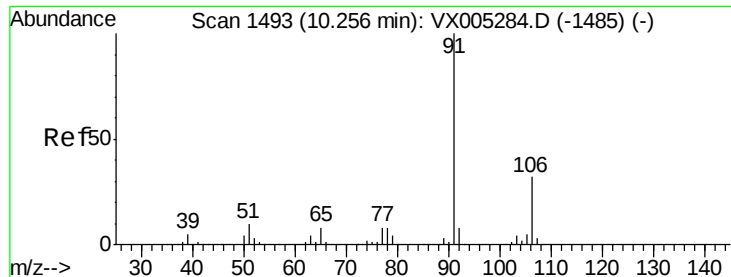
Tot Ion:112 Resp: 338555
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.476 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion:131 Resp: 126144
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 63.4 32.9 98.6

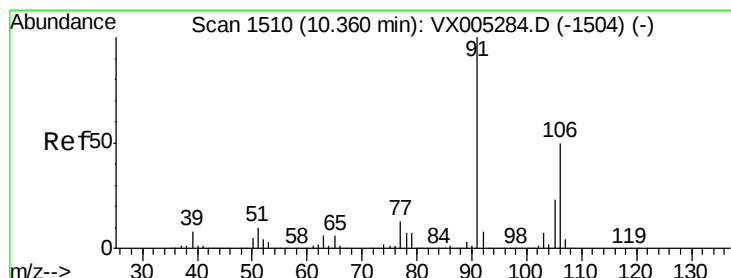
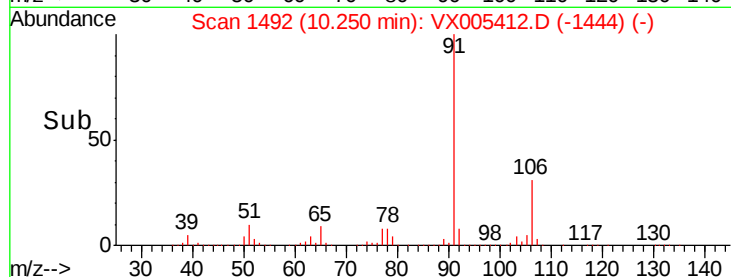
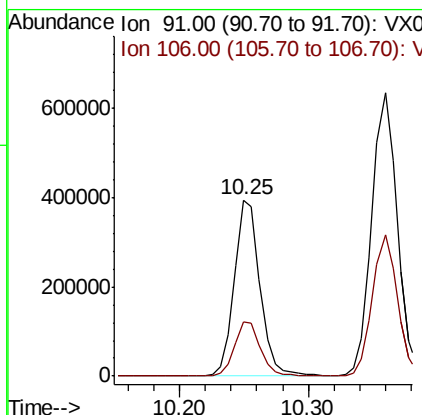
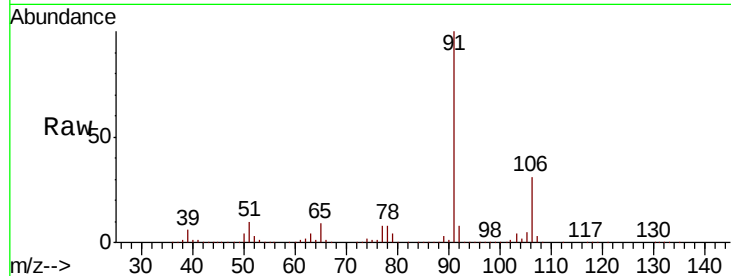




#67
Ethyl Benzene
Concen: 49.446 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

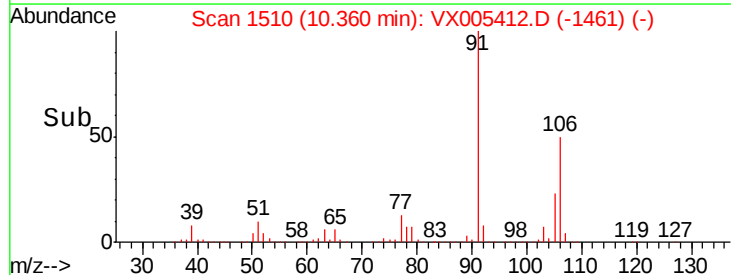
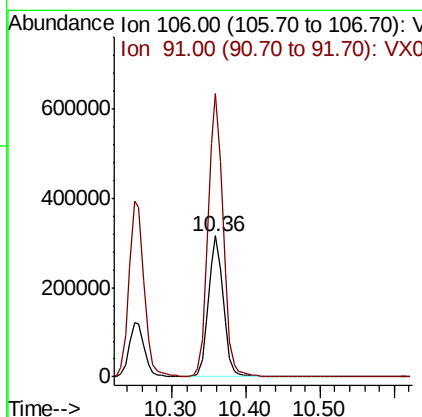
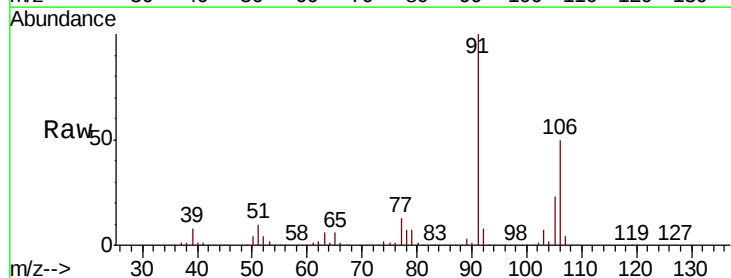
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion: 91 Resp: 552761
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 99.583 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 106 Resp: 432087
Ion Ratio Lower Upper
106 100
91 202.7 157.1 235.7

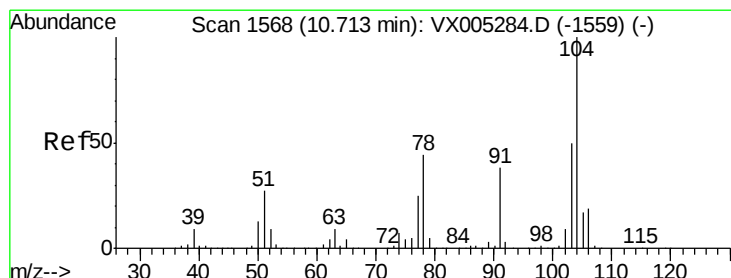
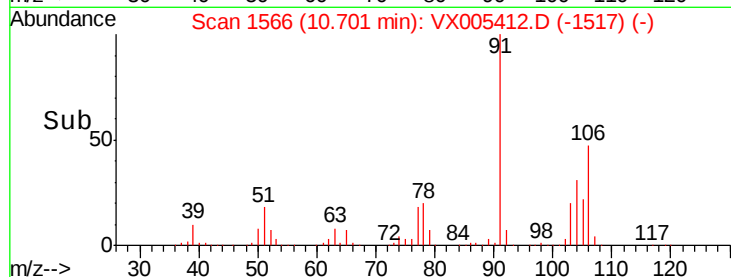
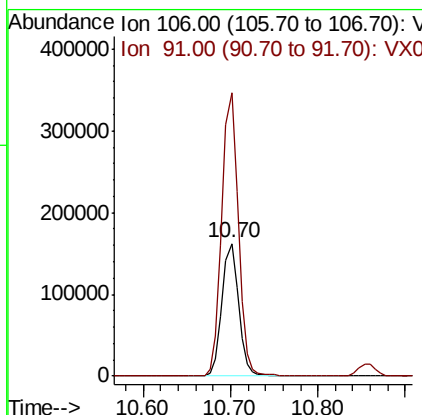
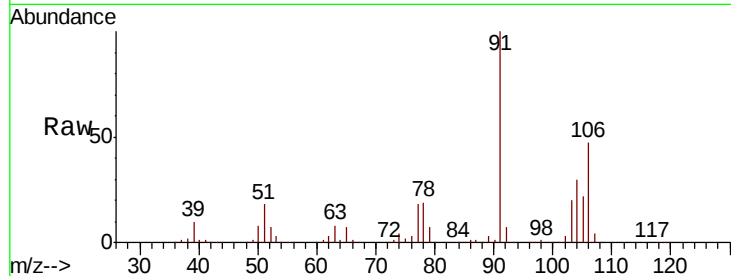




#69
o-Xylene
Concen: 50.847 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

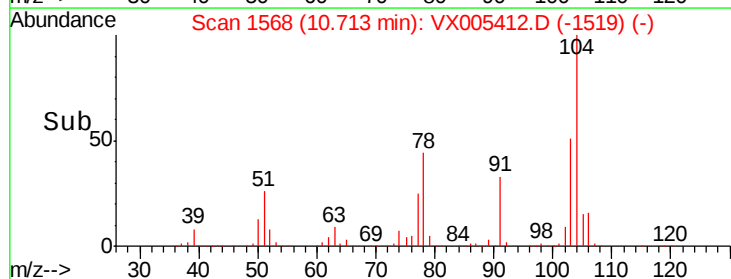
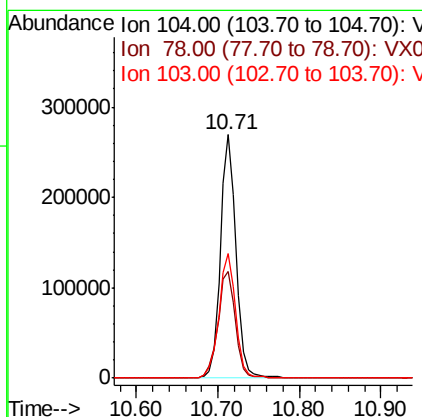
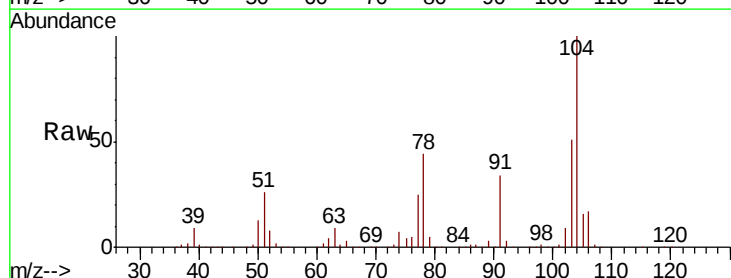
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion:106 Resp: 212777
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1



#70
Styrene
Concen: 52.316 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion:104 Resp: 360089
Ion Ratio Lower Upper
104 100
78 49.5 37.4 56.0
103 55.2 43.8 65.6





#71

Bromoform

Concen: 52.529 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

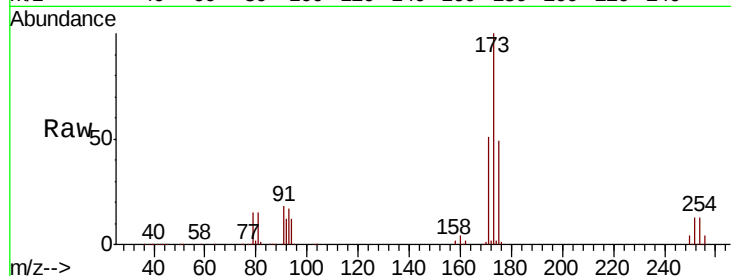
Tot Ion:173 Resp: 115032

Ion Ratio Lower Upper

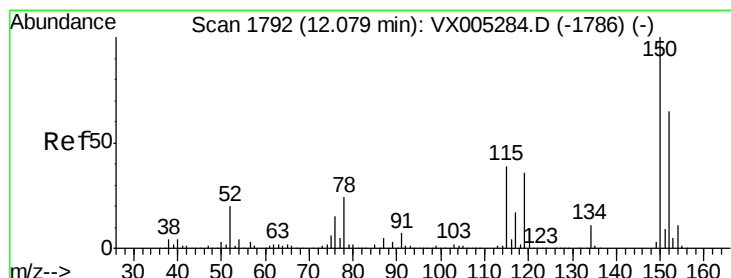
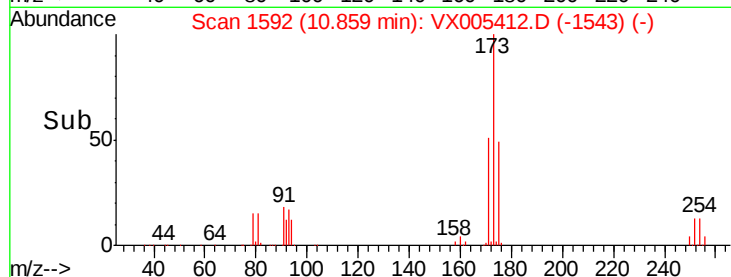
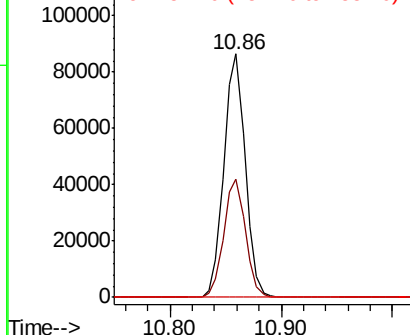
173 100

175 48.9 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: VX005412.D

Acq: 18 Oct 2018 01:34

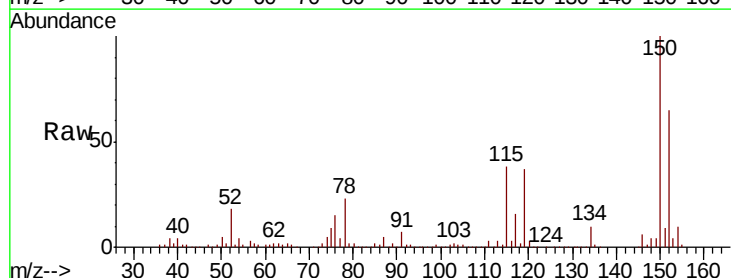
Tgt Ion:152 Resp: 186058

Ion Ratio Lower Upper

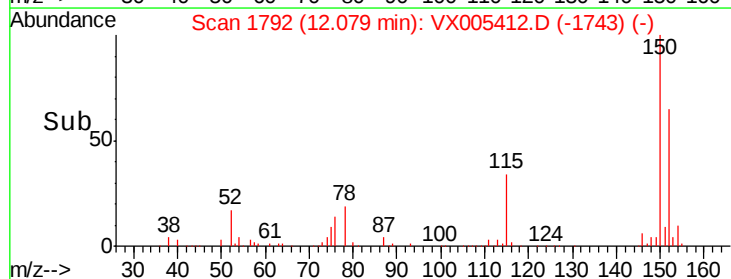
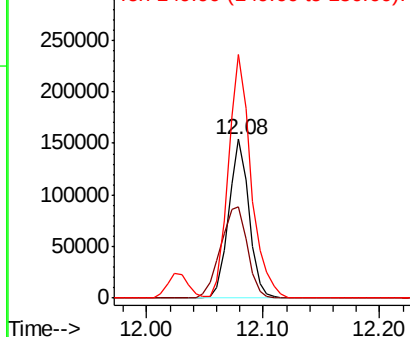
152 100

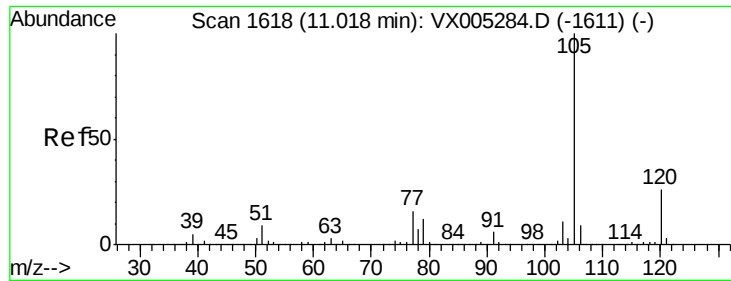
115 75.5 39.0 117.0

150 171.3 0.0 351.0



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

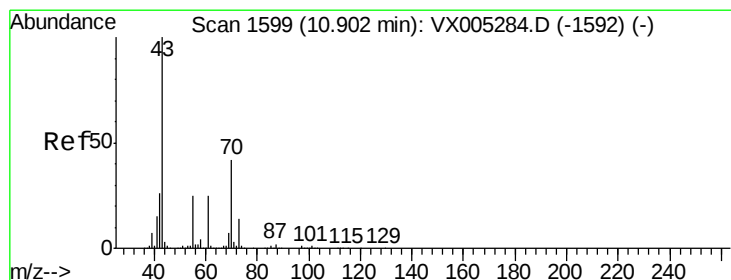
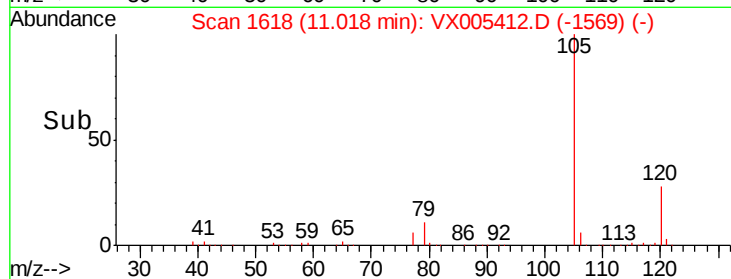
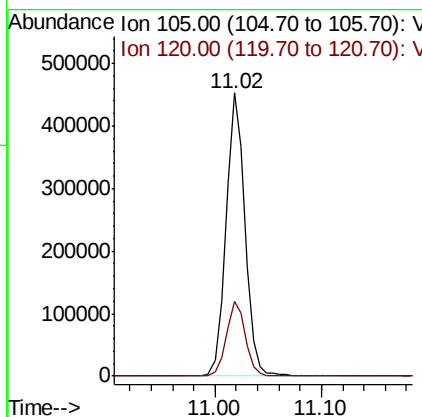
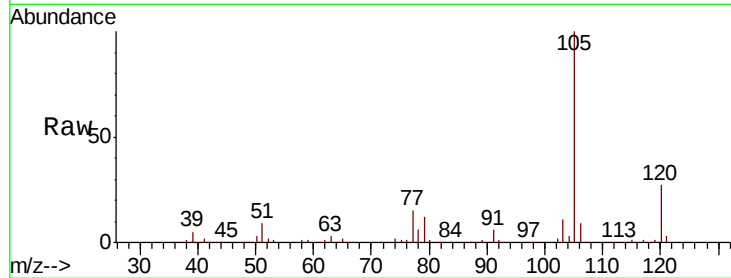




#73
Isopropylbenzene
Concen: 51.022 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

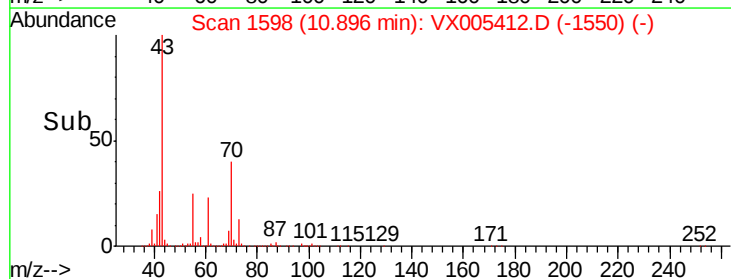
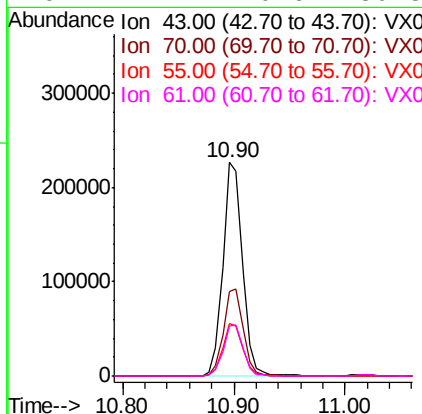
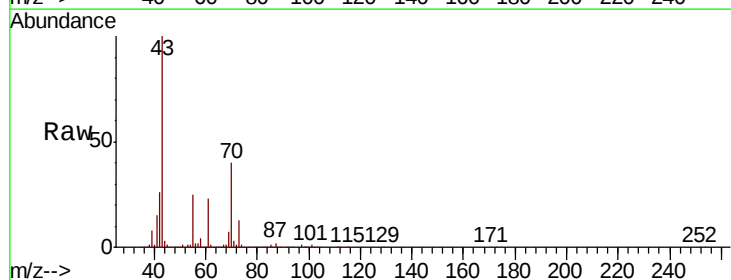
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion:105 Resp: 564329
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4



#74
N-ethyl acetate
Concen: 51.536 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 43 Resp: 274930
Ion Ratio Lower Upper
43 100
70 41.6 37.4 56.0
55 25.3 21.8 32.8
61 24.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.840 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

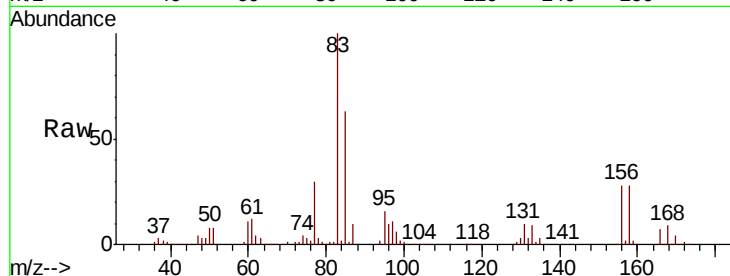
Tot Ion: 83 Resp: 212122

Ion Ratio Lower Upper

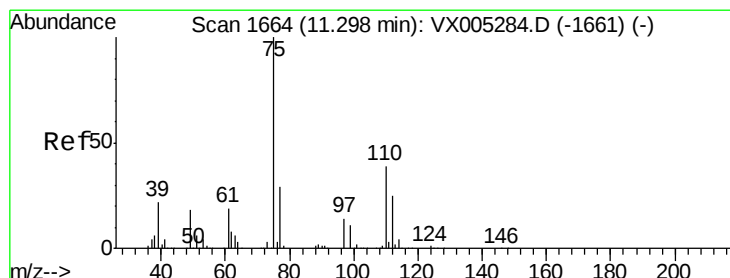
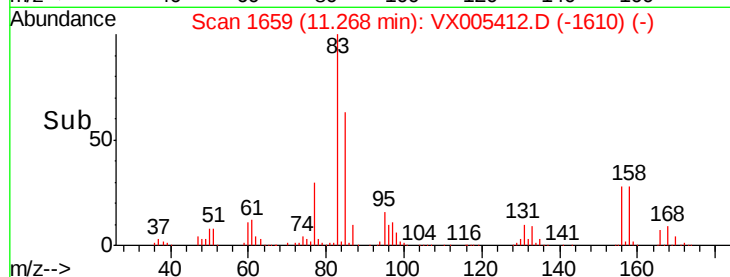
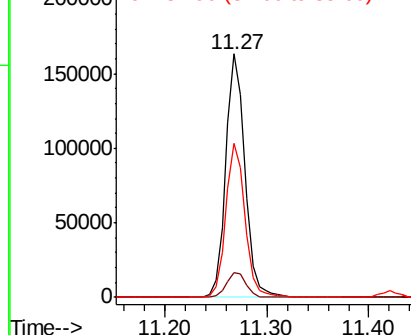
83 100

131 10.5 5.2 15.6

85 63.7 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: 65.564 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005412.D

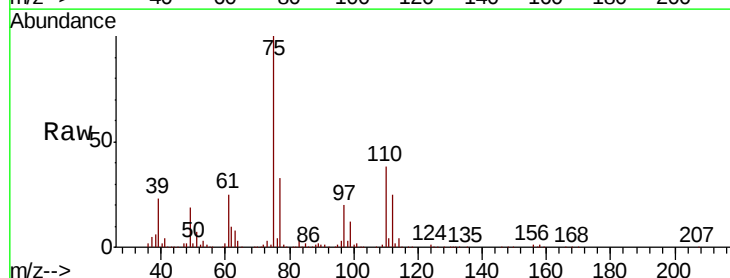
Acq: 18 Oct 2018 01:34

Tgt Ion: 75 Resp: 236621

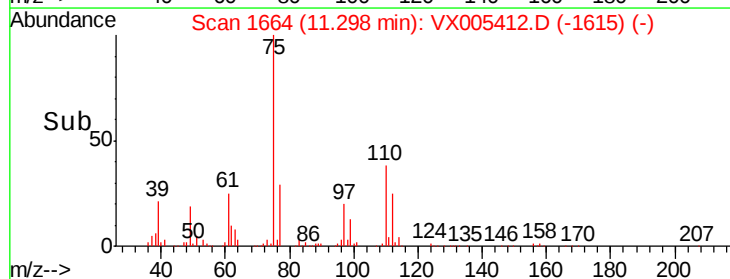
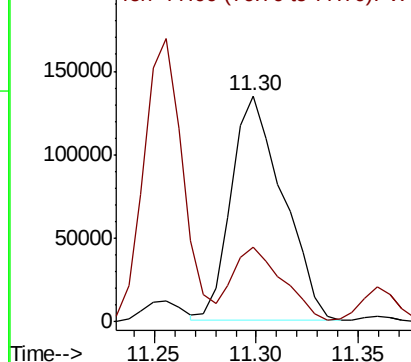
Ion Ratio Lower Upper

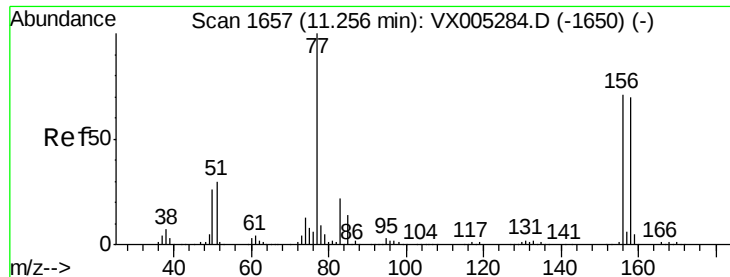
75 100

77 32.3 20.2 60.6



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





#77

Bromobenzene

Concen: 50.214 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

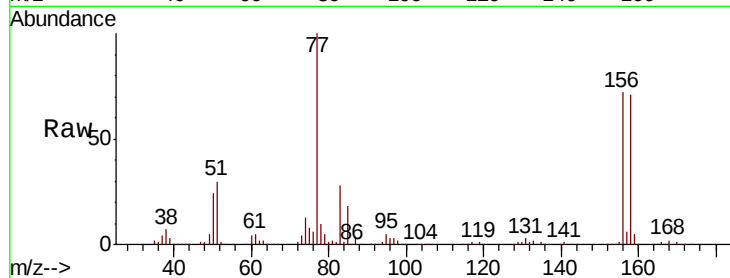
Tot Ion:156 Resp: 158804

Ion Ratio Lower Upper

156 100

77 141.7 71.5 214.3

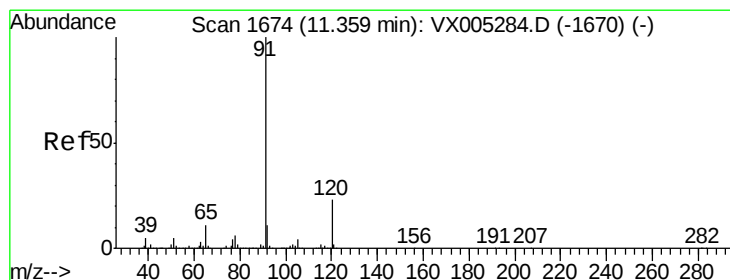
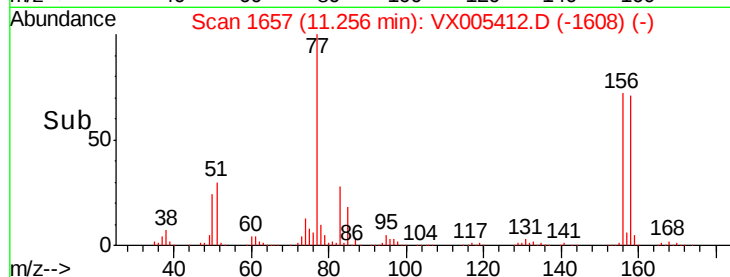
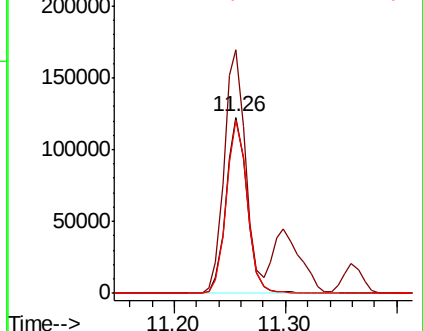
158 98.8 48.9 146.8



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: 50.391 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005412.D

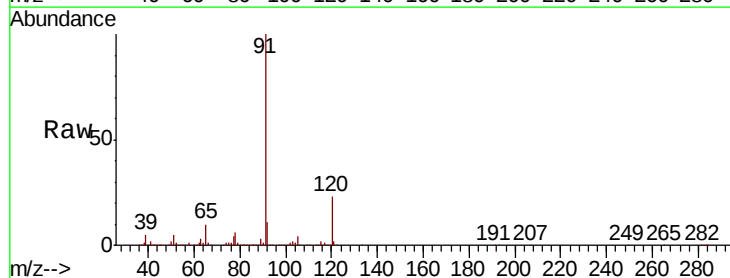
Acq: 18 Oct 2018 01:34

Tgt Ion: 91 Resp: 641365

Ion Ratio Lower Upper

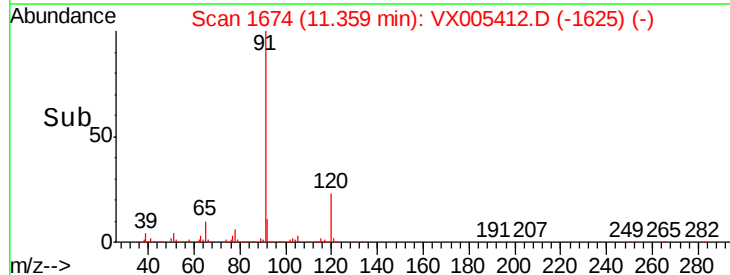
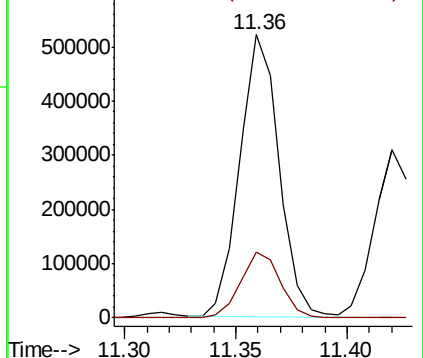
91 100

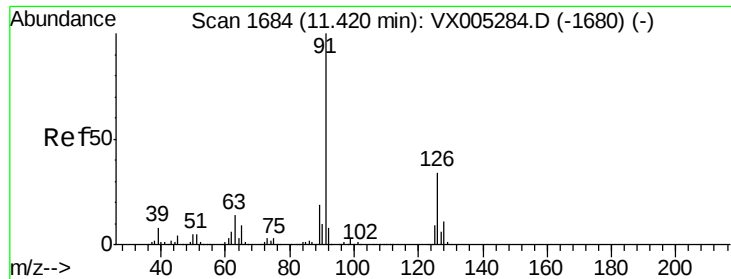
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.927 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

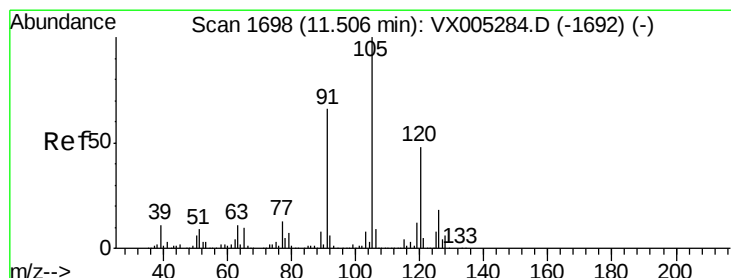
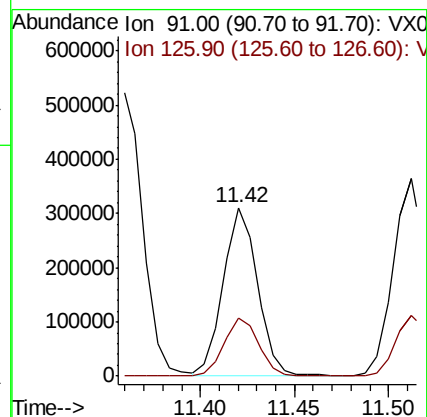
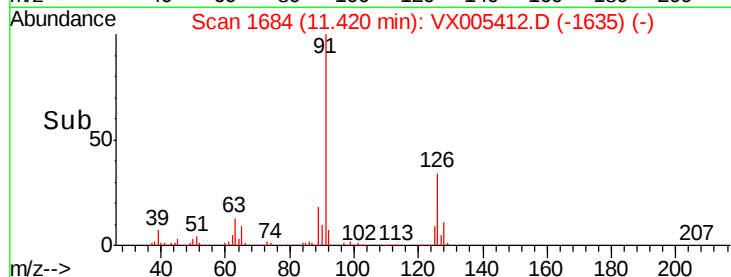
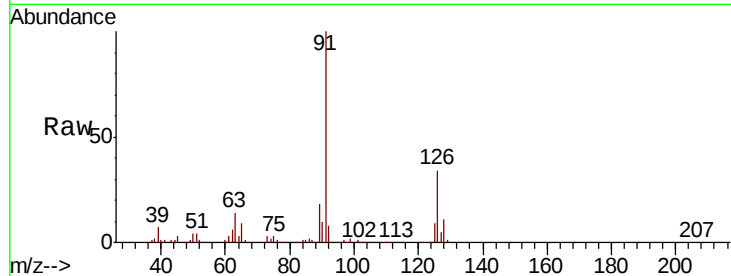
RLF-GW-9SMSD

Tot Ion: 91 Resp: 389177

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 51.285 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005412.D

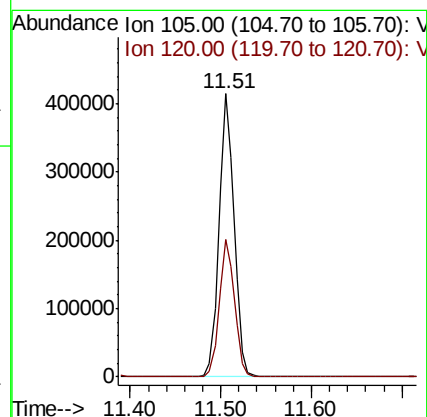
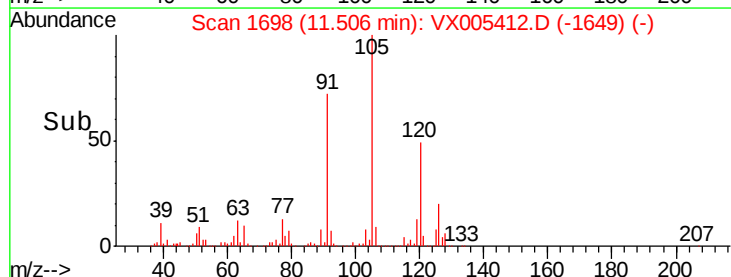
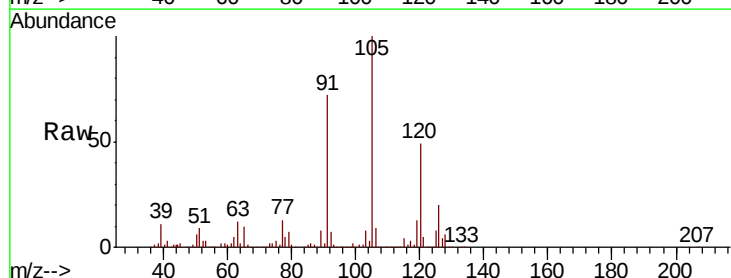
Acq: 18 Oct 2018 01:34

Tgt Ion: 105 Resp: 485758

Ion Ratio Lower Upper

105 100

120 49.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.530 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

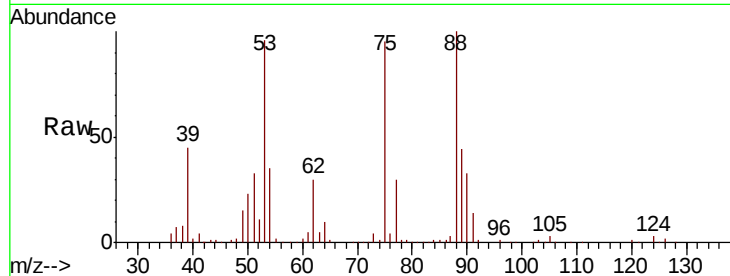
Tot Ion: 75 Resp: 56454

Ion Ratio Lower Upper

75 100

53 95.7 80.1 120.1

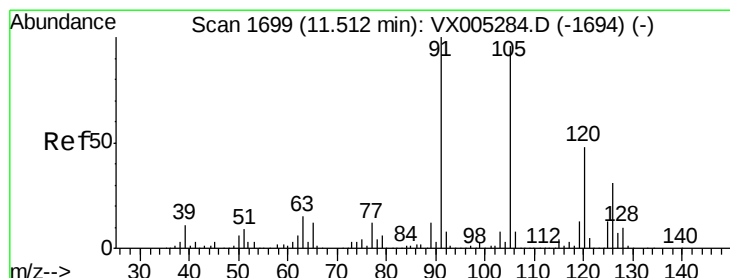
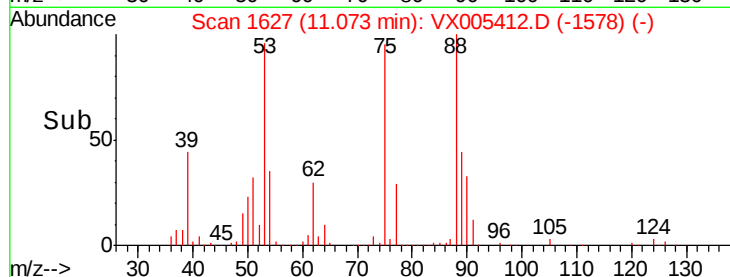
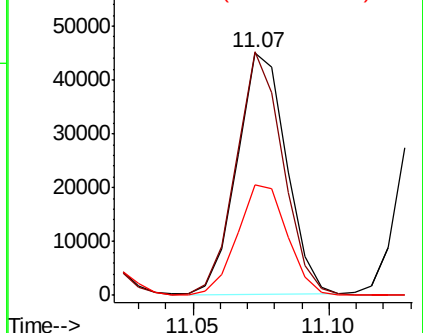
89 46.6 37.2 55.8



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: 49.705 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005412.D

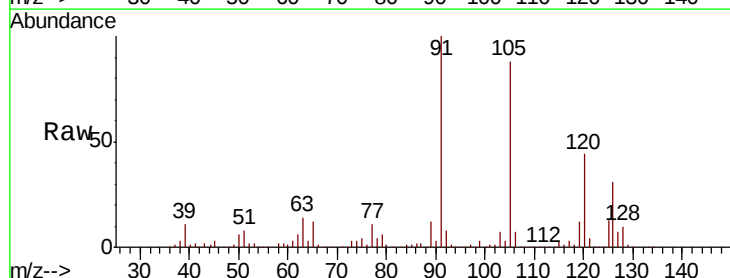
Acq: 18 Oct 2018 01:34

Tgt Ion: 91 Resp: 459286

Ion Ratio Lower Upper

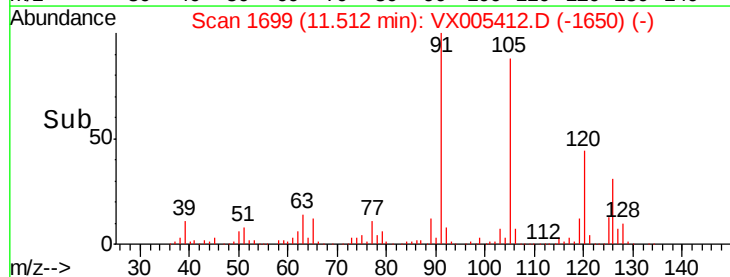
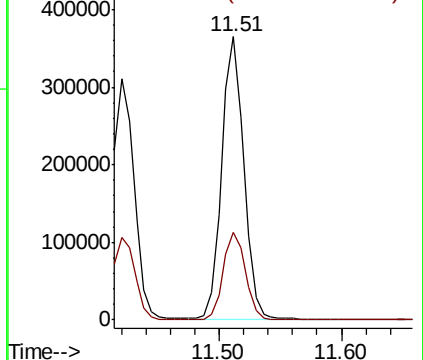
91 100

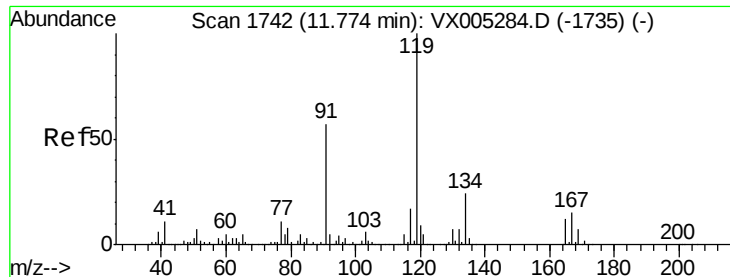
126 31.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

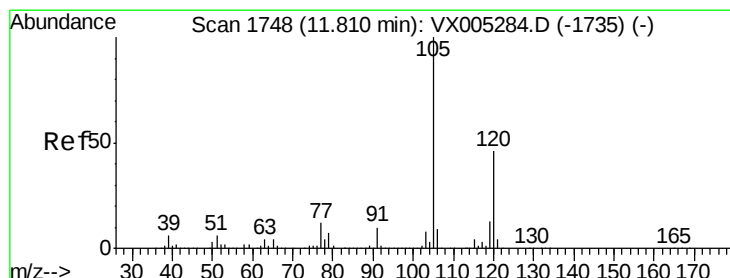
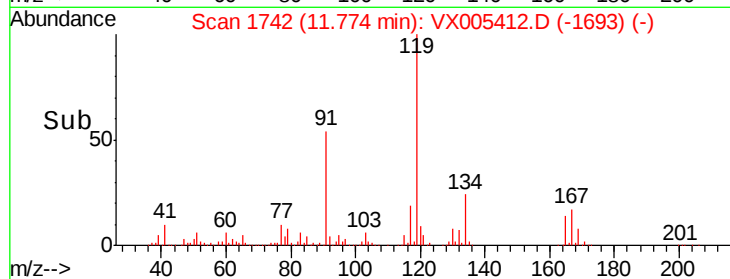
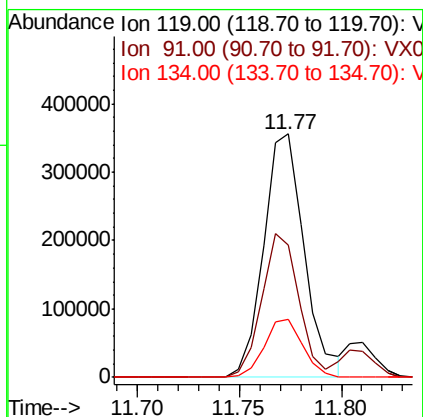
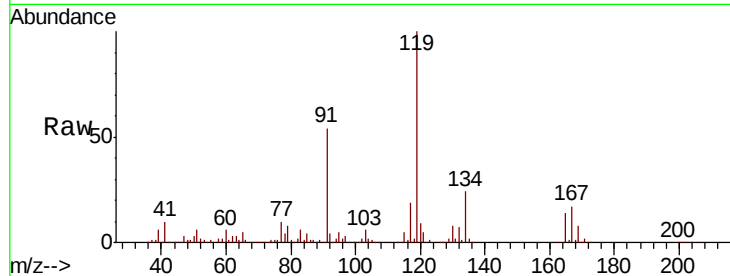




#83
 tert-Butylbenzene
 Concen: 51.451 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

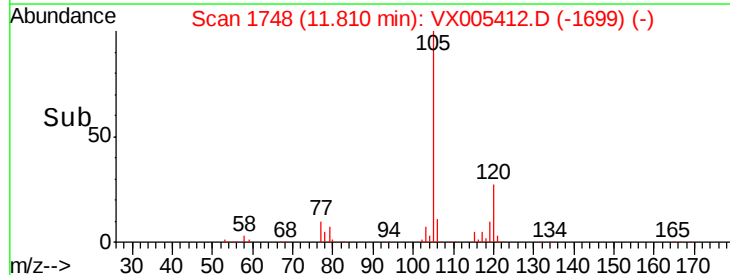
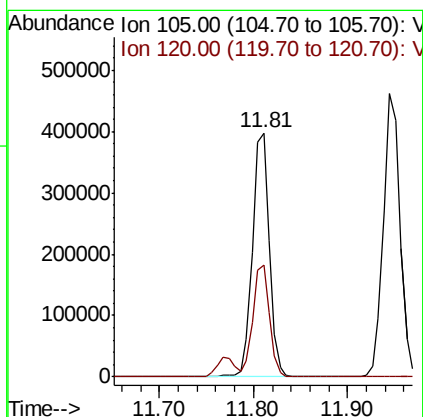
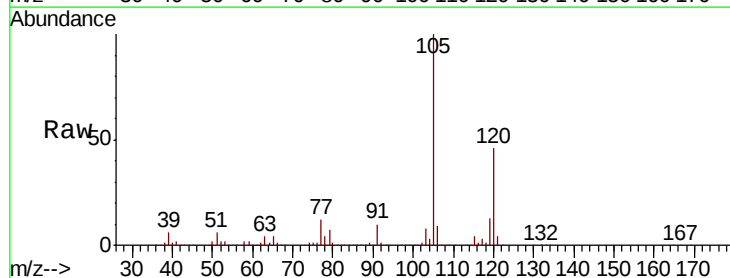
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

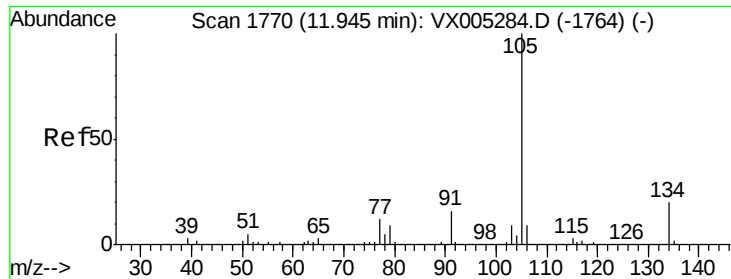
Tot Ion:119 Resp: 493495
 Ion Ratio Lower Upper
 119 100
 91 54.2 27.0 81.0
 134 22.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.791 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion:105 Resp: 504821
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 50.191 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

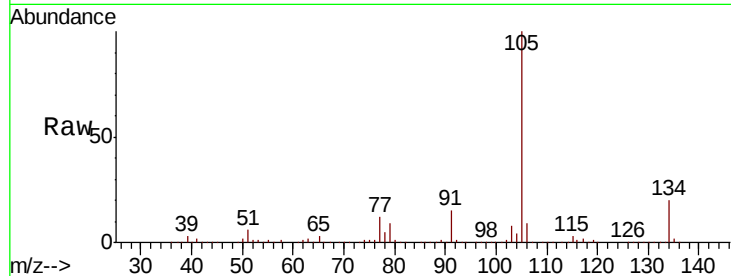
RLF-GW-9SMSD

Tot Ion:105 Resp: 569702

Ion Ratio Lower Upper

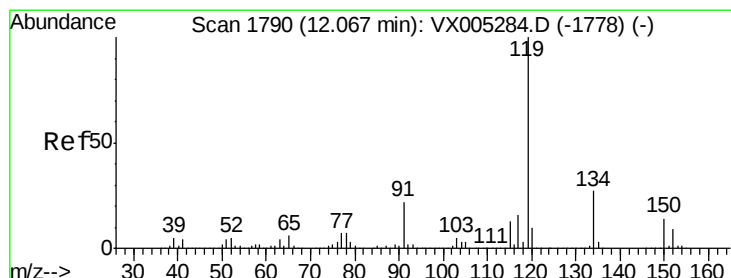
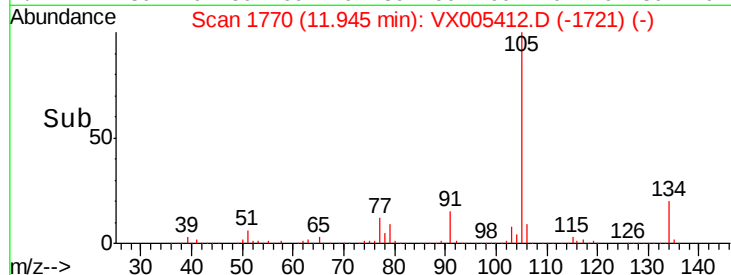
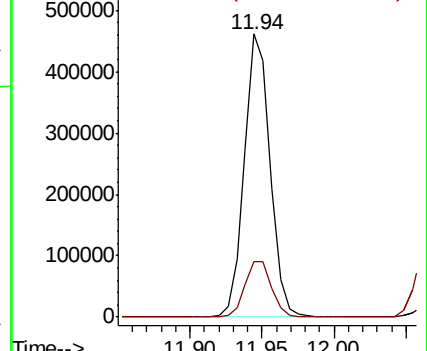
105 100

134 20.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.904 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

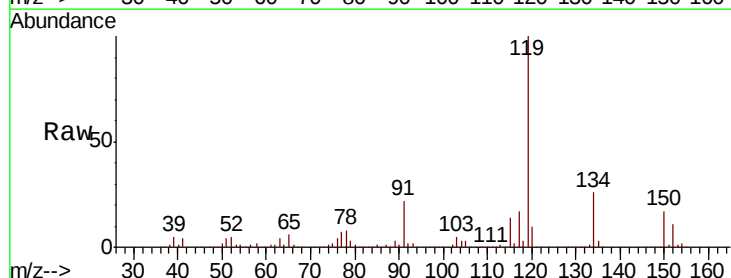
Tgt Ion:119 Resp: 522245

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

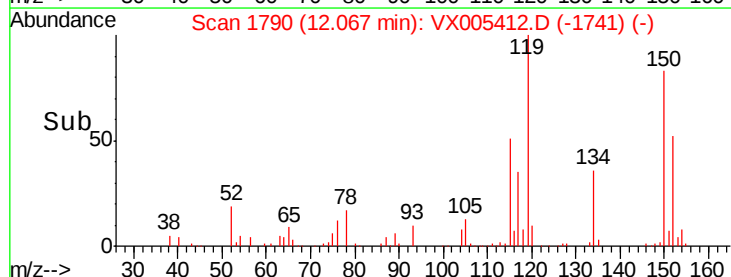
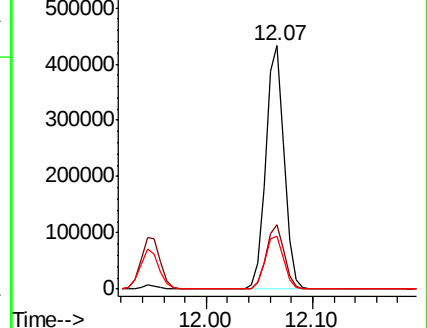
91 22.5 10.9 32.7

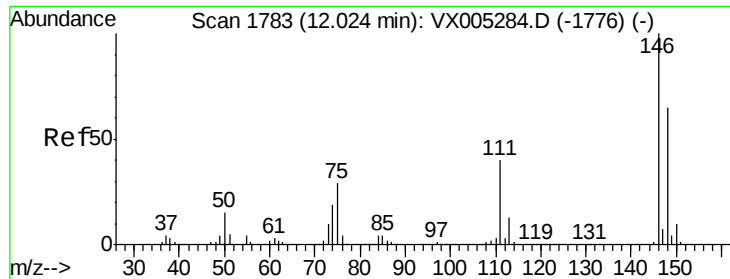


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

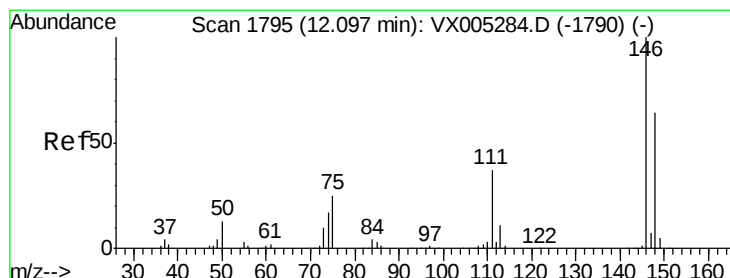
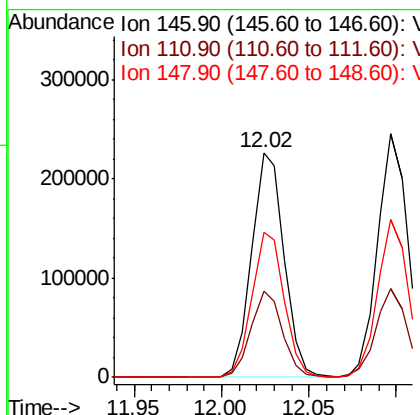
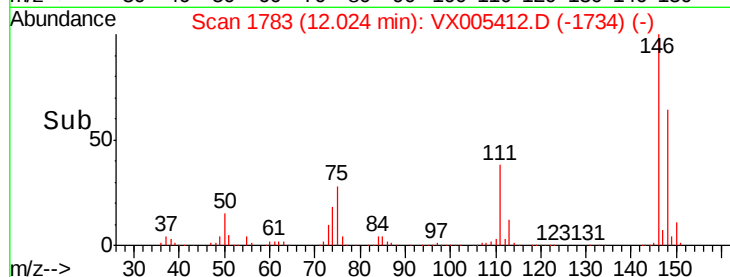
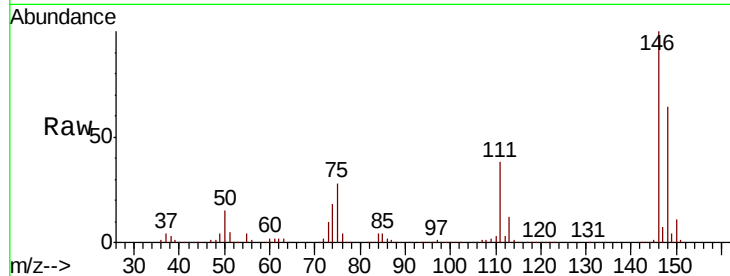




#87
 1,3-Dichlorobenzene
 Concen: 49.335 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

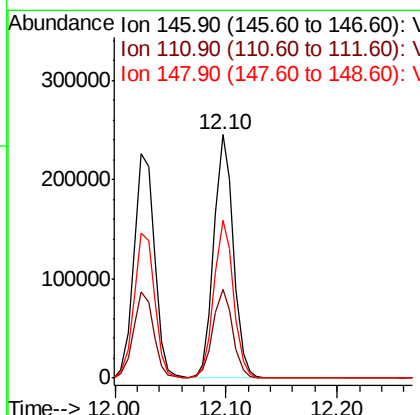
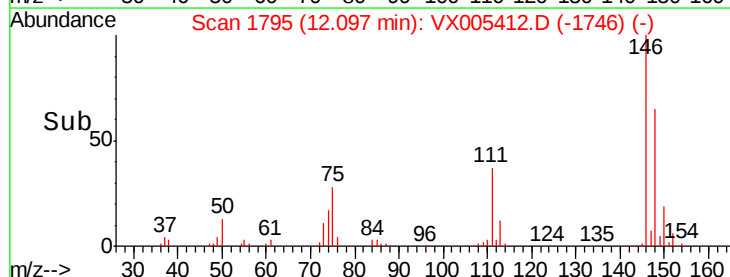
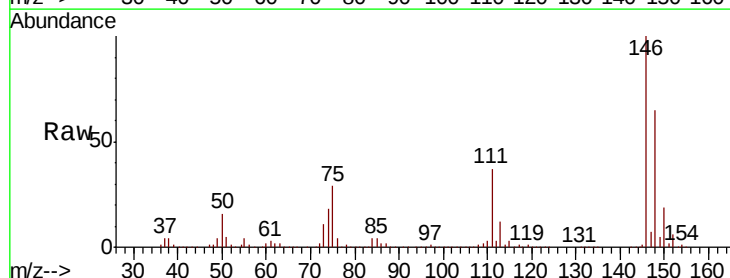
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tot Ion:146 Resp: 291545
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 64.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.328 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion:146 Resp: 298213
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.1 54.1
 148 64.9 32.0 96.0

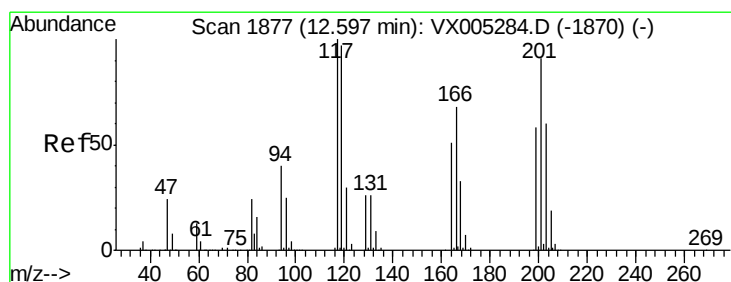
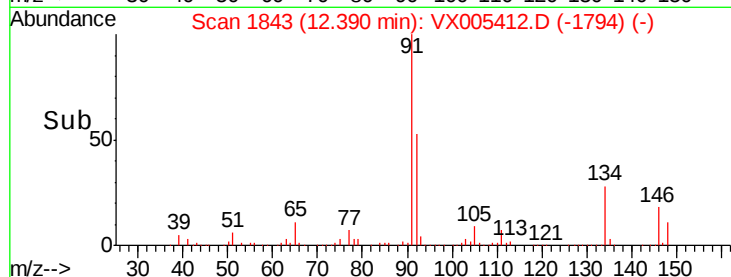
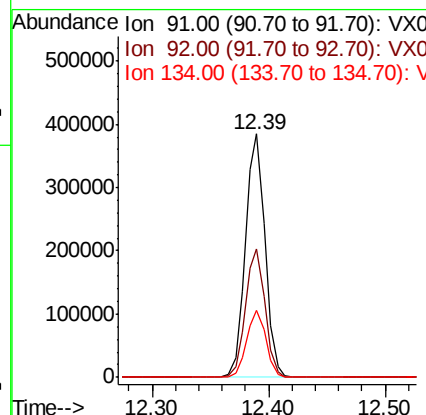
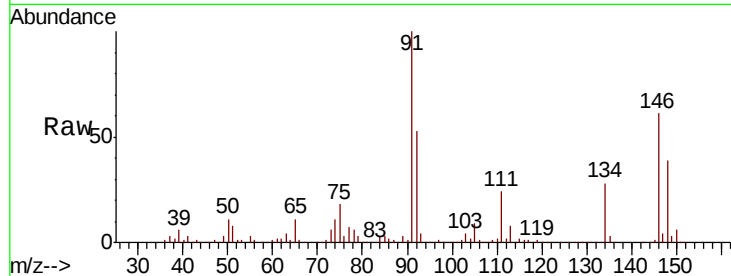




#89
n-Butylbenzene
Concen: 48.430 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

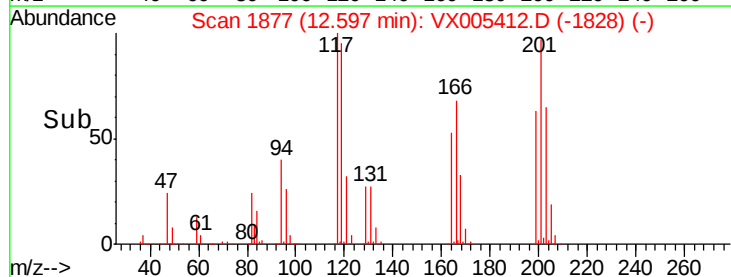
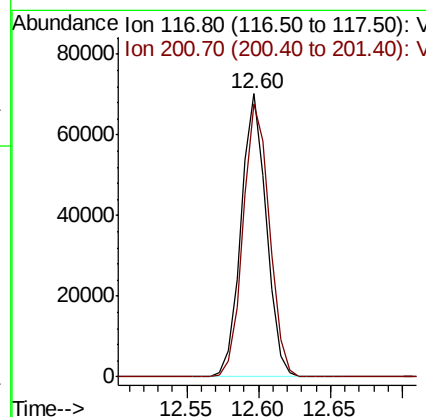
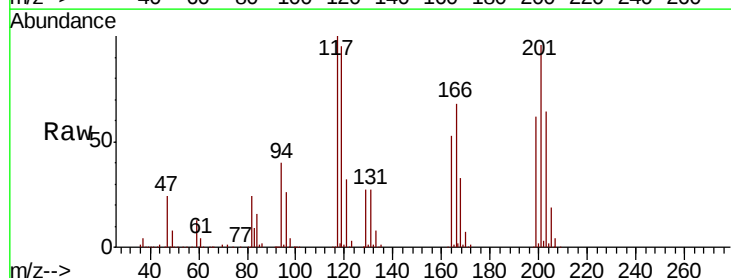
Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion: 91 Resp: 451128
Ion Ratio Lower Upper
91 100
92 52.7 27.3 81.9
134 27.4 13.6 40.7



#90
Hexachloroethane
Concen: 48.446 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 117 Resp: 85657
Ion Ratio Lower Upper
117 100
201 100.3 46.9 140.6

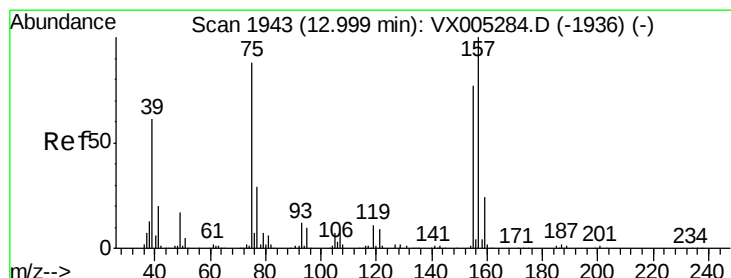
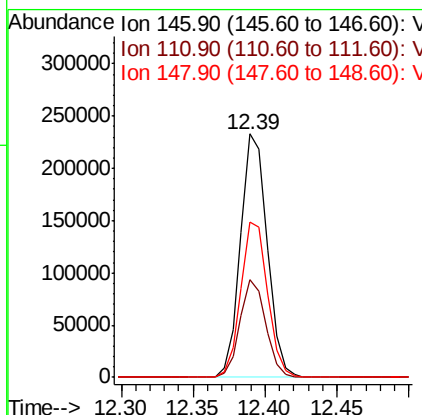
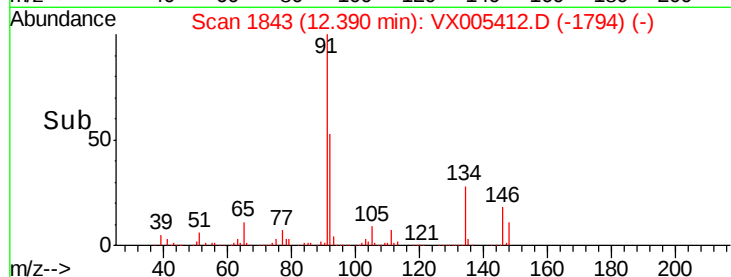
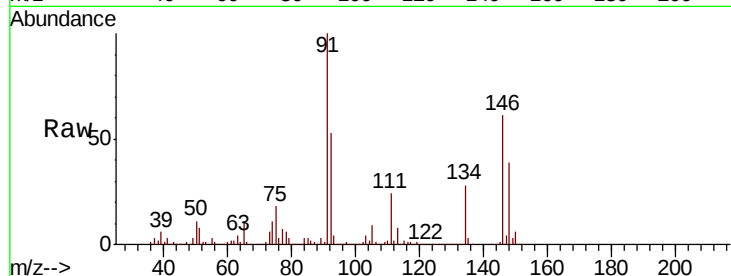




#91
 1,2-Dichlorobenzene
 Concen: 49.707 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

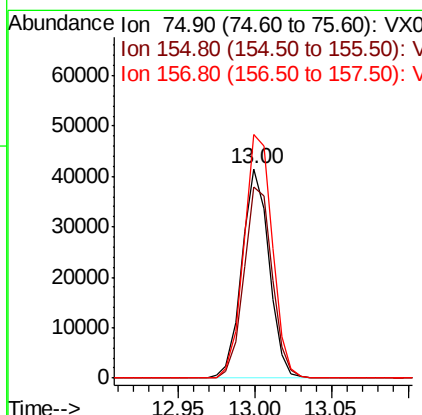
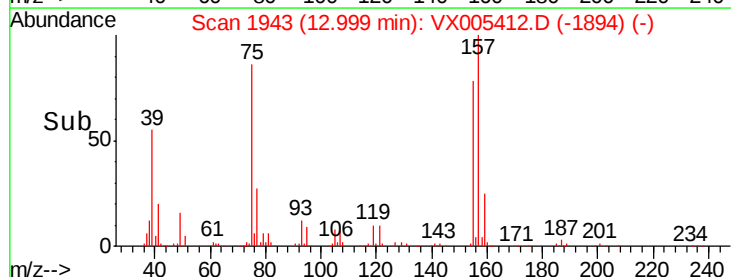
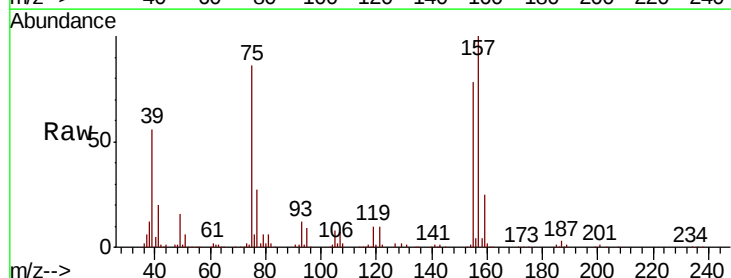
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

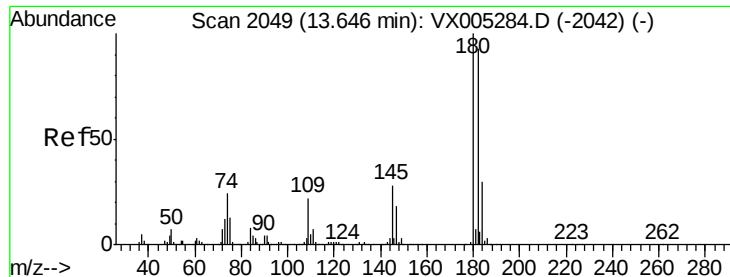
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.3	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.197 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	48.0	144.2
157	121.9	61.4	184.1

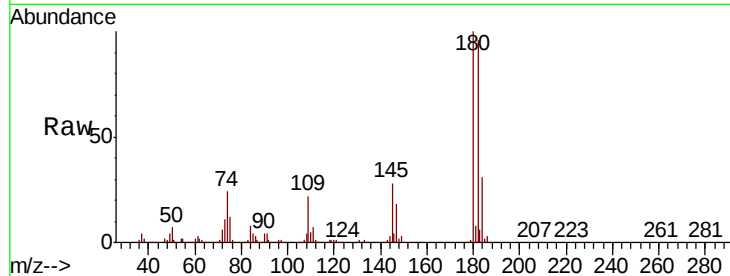




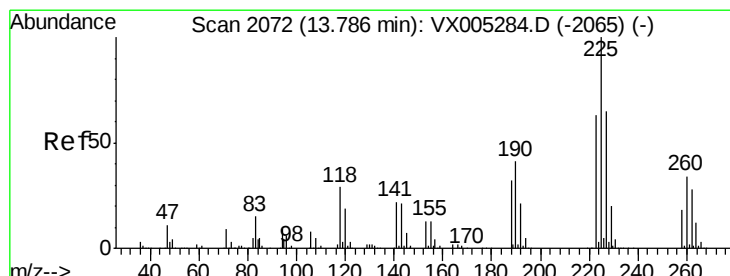
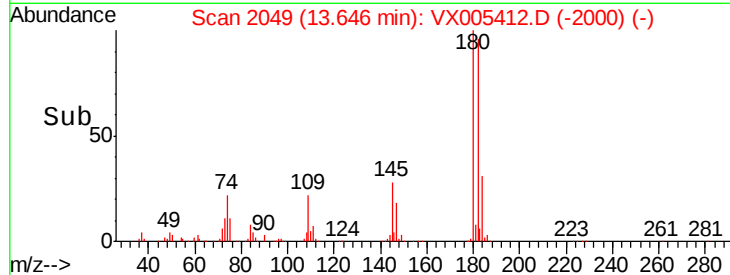
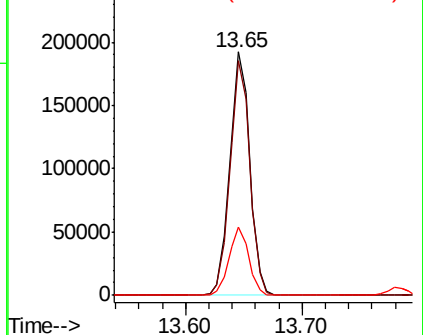
#93
 1,2,4-Trichlorobenzene
 Concen: 51.879 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tot Ion:180 Resp: 229535
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.4 145.0
 145 27.6 14.3 42.9

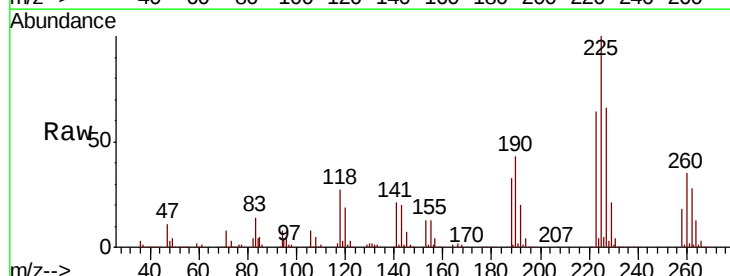


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

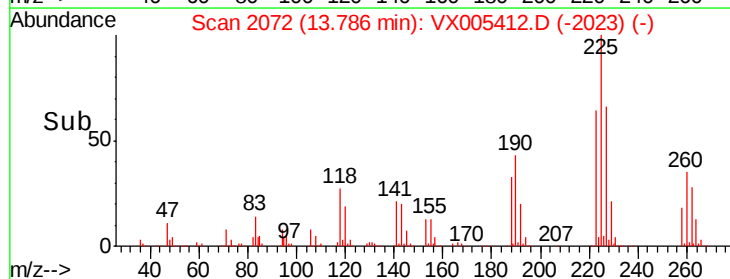
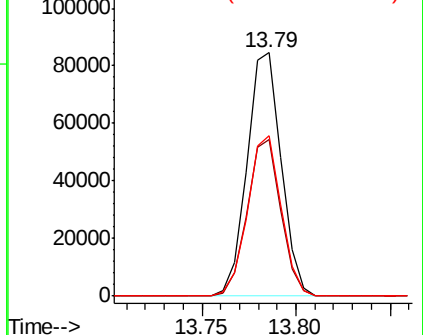


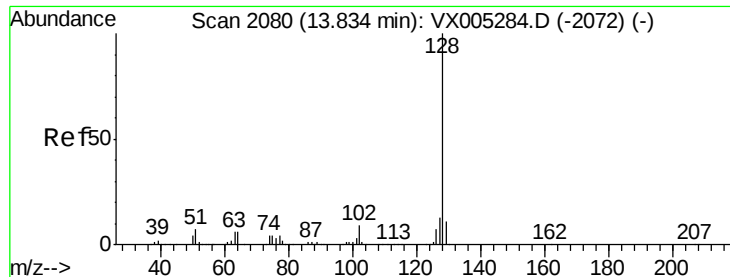
#94
 Hexachlorobutadiene
 Concen: 45.523 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion:225 Resp: 106377
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.1 90.5
 227 64.8 30.8 92.4



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

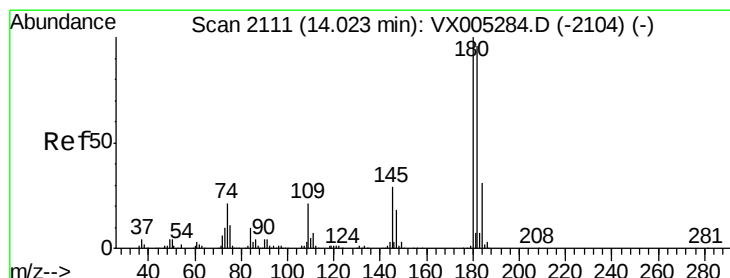
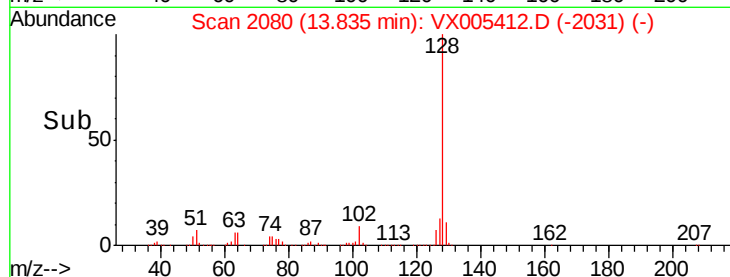
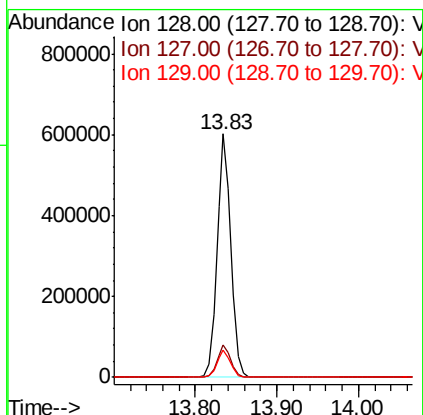
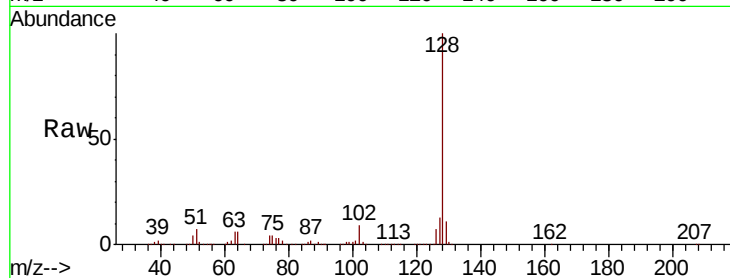




#95
Naphthalene
Concen: 55.816 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tot Ion:128 Resp: 716196
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.292 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion:180 Resp: 236731
Ion Ratio Lower Upper
180 100
182 96.2 48.5 145.6
145 29.6 14.9 44.9

