

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059515.D
 Acq On : 17 Jul 2018 18:56
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 18 01:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	272582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	395962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	378217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	228190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	390568	94.93	ug/l	0.00
Spiked Amount			Recovery	=	189.86%	
35) Dibromofluoromethane	4.30	113	323721	94.14	ug/l	0.00
Spiked Amount			Recovery	=	188.28%	
50) Toluene-d8	7.72	98	780666	91.79	ug/l	0.00
Spiked Amount			Recovery	=	183.58%	
62) 4-Bromofluorobenzene	11.52	95	413802	91.58	ug/l	0.00
Spiked Amount			Recovery	=	183.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	308239	99.350	ug/l	100
3) Chloromethane	1.09	50	175403	100.294	ug/l	96
4) Vinyl Chloride	1.14	62	180167	98.902	ug/l	97
5) Bromomethane	1.34	94	114355	90.130	ug/l	95
6) Chloroethane	1.43	64	87794	92.103	ug/l #	86
7) Trichlorofluoromethane	1.52	101	420967	100.678	ug/l	92
8) Diethyl Ether	1.70	74	80126	95.650	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	154338	77.706	ug/l	94
10) Methyl Iodide	1.96	142	321575	96.062	ug/l	99
11) Tert butyl alcohol	2.69	59	86410	452.816	ug/l	96
12) 1,1-Dichloroethene	1.86	96	183289	95.546	ug/l	98
13) Acrolein	2.09	56	34449	323.125	ug/l	97
14) Allyl chloride	2.19	41	231005	91.816	ug/l	99
15) Acrylonitrile	3.09	53	172913	491.019	ug/l	94
16) Acetone	2.34	43	312561	447.258	ug/l	99
17) Carbon Disulfide	1.87	76	472988	90.836	ug/l	95
18) Methyl Acetate	2.53	43	195940	136.560	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	583275	92.961	ug/l	98
20) Methylene Chloride	2.33	84	113607	45.406	ug/l #	76
21) trans-1,2-Dichloroethene	2.42	96	179470	102.700	ug/l	93
22) Diisopropyl ether	2.93	45	672954	93.302	ug/l	99
23) Vinyl Acetate	3.34	43	1870767	446.336	ug/l	100
24) 1,1-Dichloroethane	3.01	63	403421	98.527	ug/l	99
25) 2-Butanone	4.53	43	419236	412.714	ug/l	97
26) 2,2-Dichloropropane	3.77	77	254355	92.563	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	203081	85.014	ug/l	94
28) Bromochloromethane	3.89	49	172499	90.854	ug/l #	91
29) Tetrahydrofuran	4.27	42	193933	444.453	ug/l	98
30) Chloroform	4.04	83	583629	94.903	ug/l	94
31) Cyclohexane	3.87	56	214803	92.882	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	380248	89.136	ug/l	99
36) 1,1-Dichloropropene	4.47	75	369921	91.738	ug/l	97
37) Ethyl Acetate	4.31	43	203389	82.407	ug/l #	85
38) Carbon Tetrachloride	4.17	117	419613	89.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	275999	90.889	ug/l	95
40) Benzene	4.82	78	666635	85.085	ug/l	99
41) Methacrylonitrile	4.94	41	101143	85.007	ug/l #	88
42) 1,2-Dichloroethane	5.13	62	492823	98.257	ug/l	100
43) Isopropyl Acetate	7.13	43	269461	91.168	ug/l #	96
44) Trichloroethene	5.68	130	251310	88.975	ug/l	97
45) 1,2-Dichloropropane	6.41	63	201125	90.512	ug/l	92
46) Dibromomethane	6.26	93	182779	92.078	ug/l	98
47) Bromodichloromethane	6.56	83	481459	94.921	ug/l	99
48) Methyl methacrylate	6.89	41	201203	94.460	ug/l	98
49) 1,4-Dioxane	6.88	88	16027	1663.498	ug/l #	88
51) 4-Methyl-2-Pentanone	8.42	43	873884	421.458	ug/l	100
52) Toluene	7.79	92	516418	91.658	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	412754	92.069	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	446797	96.057	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	206456	92.003	ug/l	95
56) Ethyl methacrylate	8.77	69	265750	94.029	ug/l	96
57) 1,3-Dichloropropane	9.01	76	348119	91.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	101272	429.111	ug/l #	100
59) 2-Hexanone	9.64	43	701439	431.172	ug/l	100
60) Dibromochloromethane	8.87	129	352782	96.866	ug/l	98
61) 1,2-Dibromoethane	9.15	107	252716	93.049	ug/l	98
64) Tetrachloroethene	8.32	164	262727	88.107	ug/l	99
65) Chlorobenzene	9.96	112	663040	93.203	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	308329	95.736	ug/l	96
67) Ethyl Benzene	10.06	91	1159733	91.374	ug/l	99
68) m/p-Xylenes	10.28	106	810710	178.329	ug/l	91
69) o-Xylene	10.84	106	461640	97.716	ug/l	99
70) Styrene	10.91	104	690134	92.333	ug/l	98
71) Bromoform	10.90	173	226570	96.488	ug/l #	99
73) Isopropylbenzene	11.24	105	1296883	89.092	ug/l	96
74) N-amyl acetate	11.48	43	432037	83.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	277872	87.048	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	233603	88.757	ug/l	98
77) Bromobenzene	11.60	156	351912	85.793	ug/l	82
78) n-propylbenzene	11.70	91	1473007	87.403	ug/l	96
79) 2-Chlorotoluene	11.82	91	900895	88.447	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	1097921	87.727	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	145219	116.375	ug/l	94
82) 4-Chlorotoluene	12.00	91	1012428	85.787	ug/l	95
83) tert-Butylbenzene	12.22	119	1053584	89.937	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	1124991	89.980	ug/l	98
85) sec-Butylbenzene	12.40	105	1350660	91.284	ug/l	97
86) p-Isopropyltoluene	12.55	119	1136178	86.810	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	606265	86.319	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	620513	91.302	ug/l	96
89) n-Butylbenzene	12.92	91	1087998	90.540	ug/l	95
90) Hexachloroethane	13.00	117	266779	90.537	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	583705	89.146	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	71472	100.845	ug/l	92

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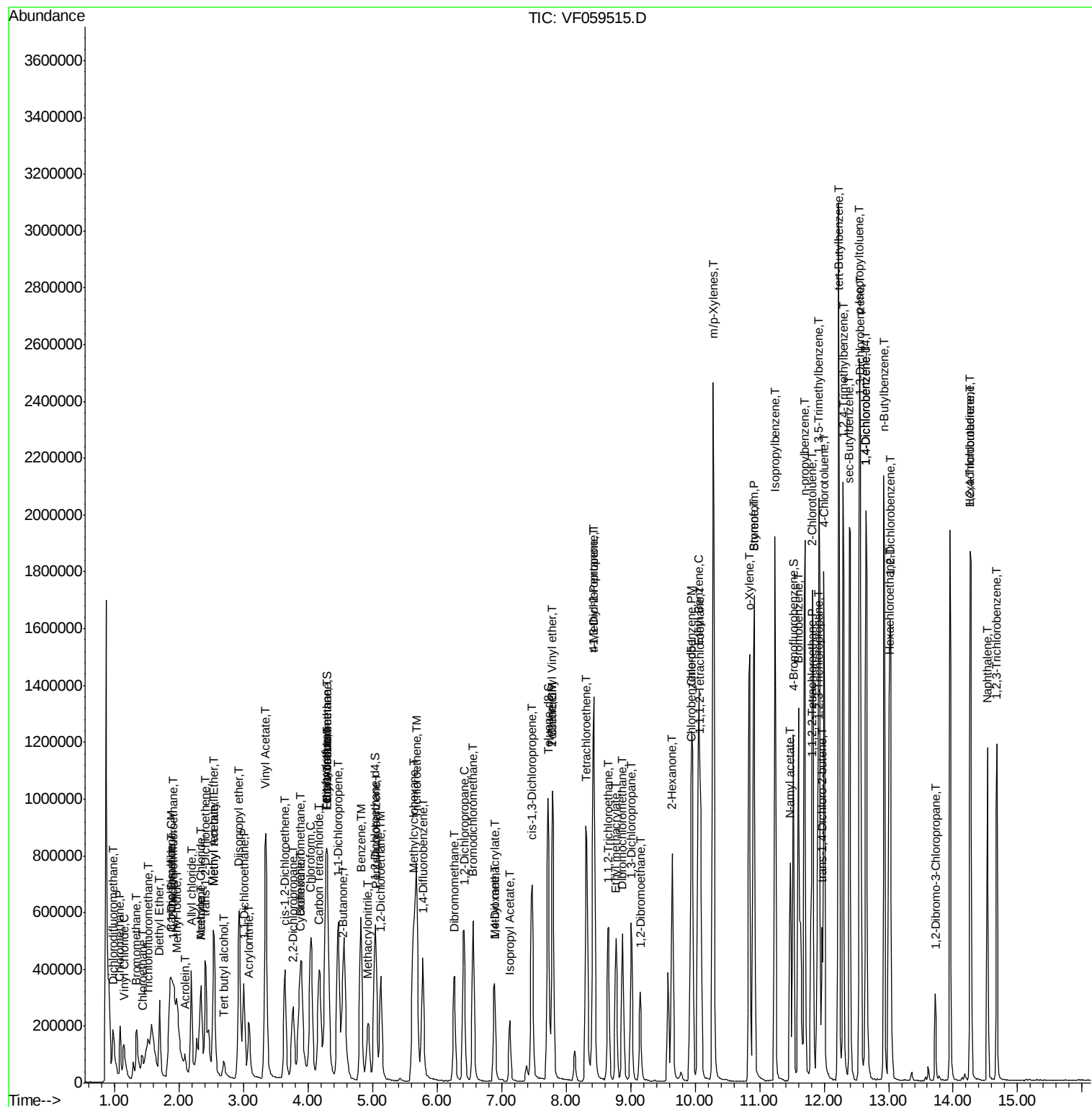
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	371049	90.620	ug/l	98
94) Hexachlorobutadiene	14.26	225	198298	109.430	ug/l	95
95) Naphthalene	14.53	128	832673	95.572	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	351055	98.293	ug/l	98

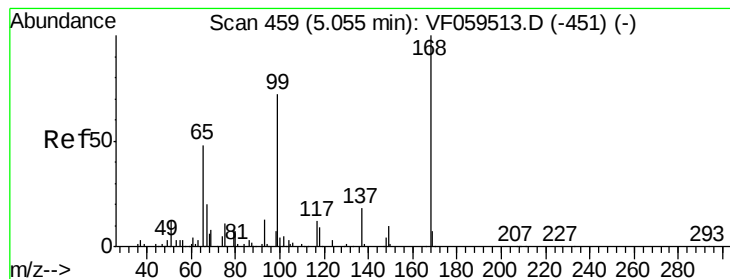
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071718\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

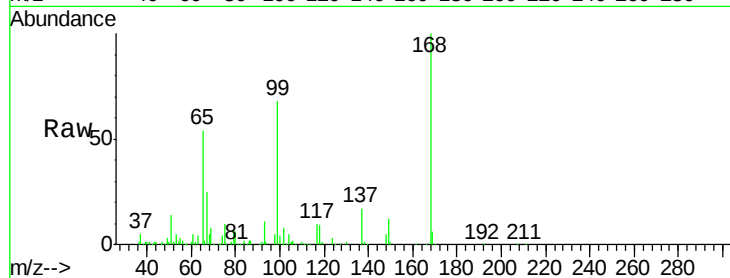
VSTDIC100

Tot Ion:168 Resp: 272582

Ion Ratio Lower Upper

168 100

99 68.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

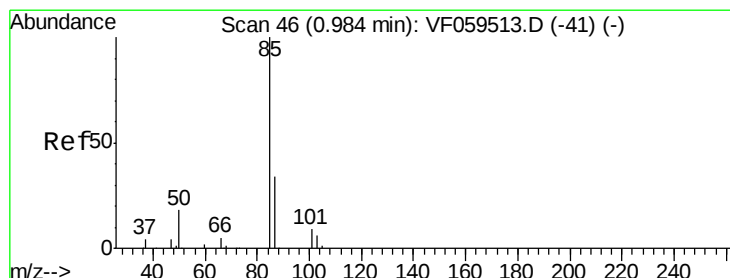
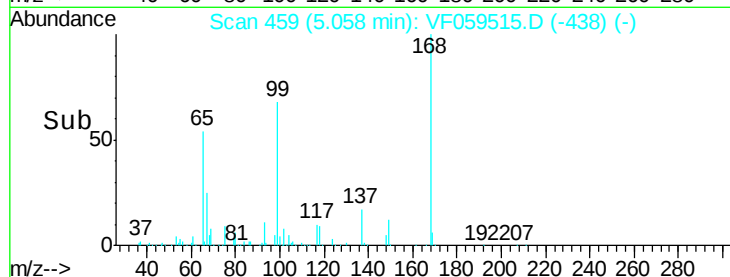
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 99.350 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059515.D

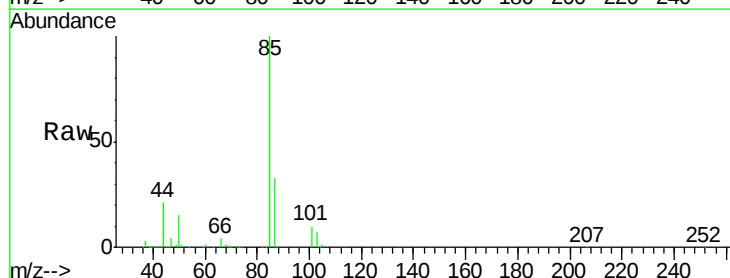
Acq: 17 Jul 2018 18:56

Tgt Ion: 85 Resp: 308239

Ion Ratio Lower Upper

85 100

87 33.5 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100000

80000

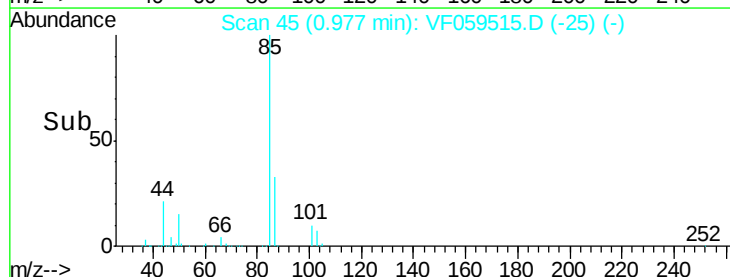
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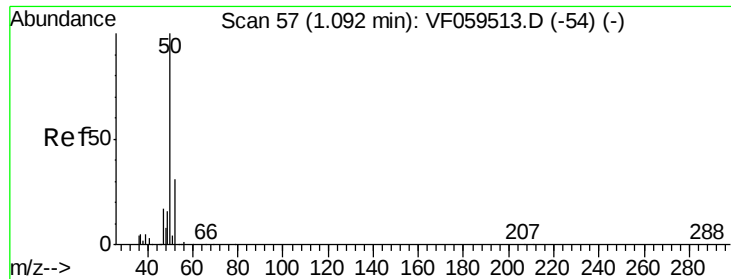
40000

20000

0

Time-->





#3

Chloromethane

Concen: 100.294 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

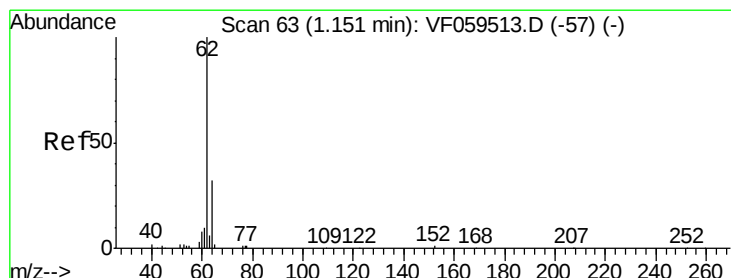
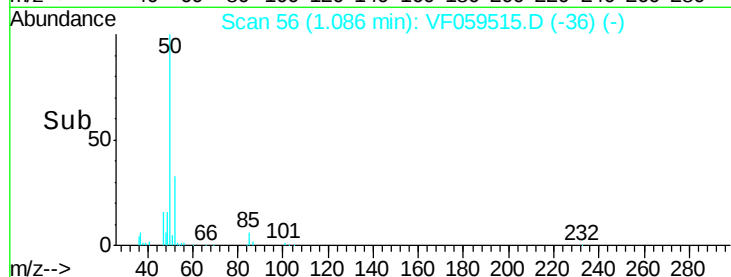
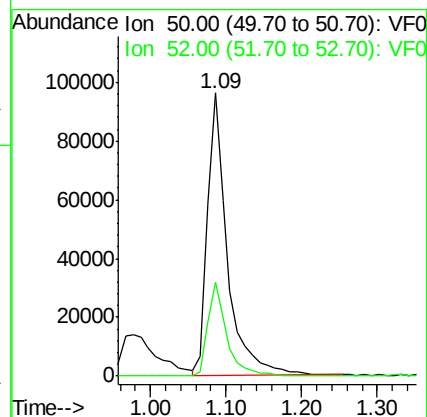
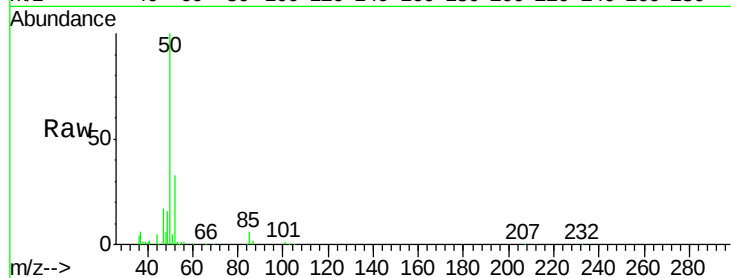
VSTDIC100

Tot Ion: 50 Resp: 175403

Ion Ratio Lower Upper

50 100

52 33.1 24.6 37.0



#4

Vinyl Chloride

Concen: 98.902 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059515.D

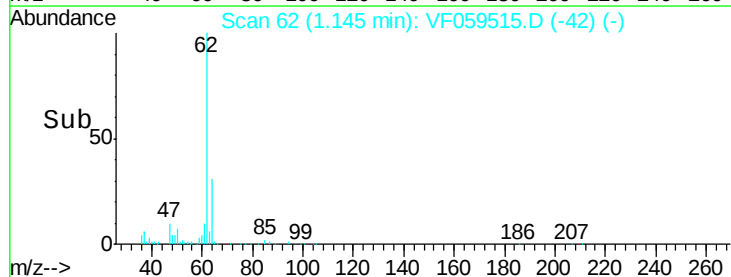
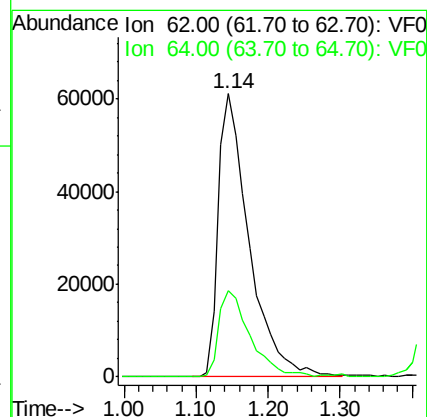
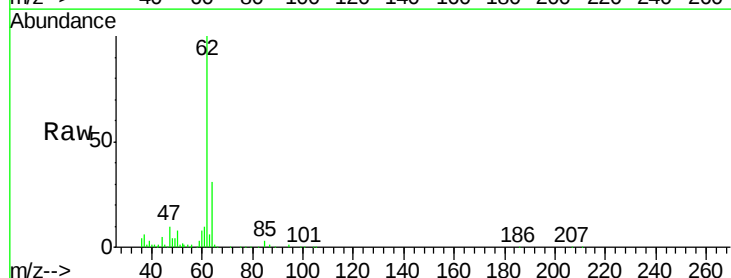
Acq: 17 Jul 2018 18:56

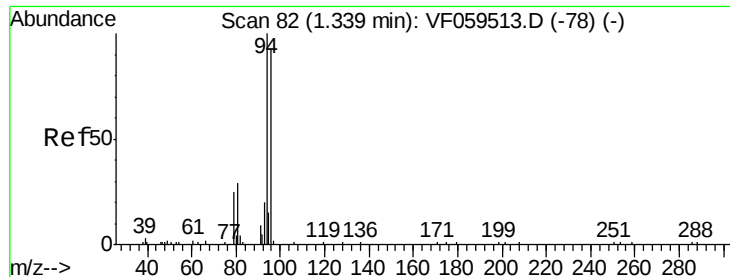
Tgt Ion: 62 Resp: 180167

Ion Ratio Lower Upper

62 100

64 30.6 25.7 38.5





#5

Bromomethane

Concen: 90.130 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

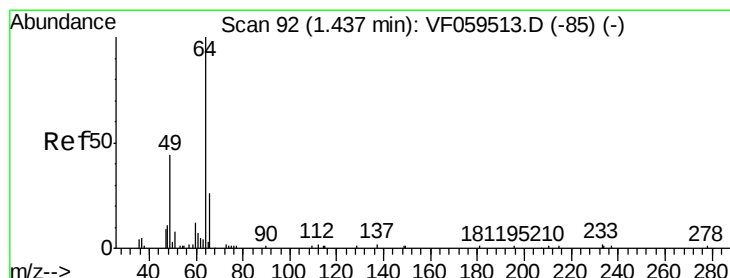
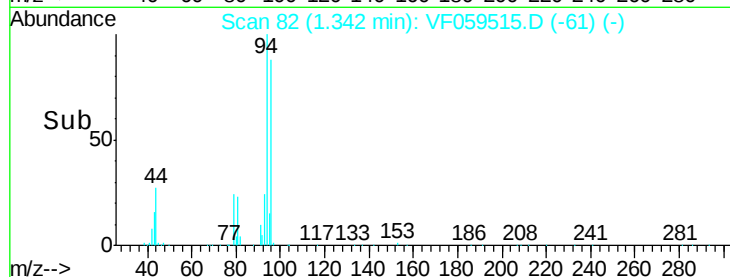
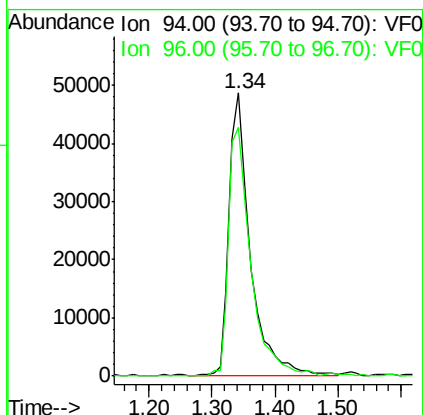
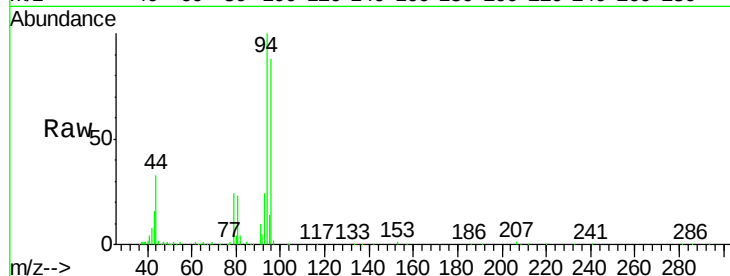
VSTDIC100

Tot Ion: 94 Resp: 114355

Ion Ratio Lower Upper

94 100

96 87.9 74.2 111.2



#6

Chloroethane

Concen: 92.103 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059515.D

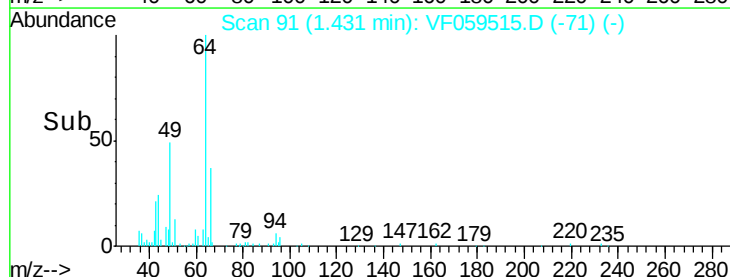
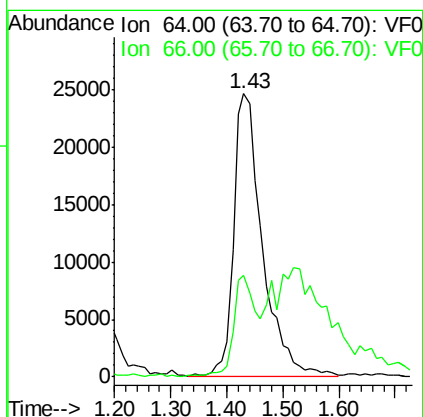
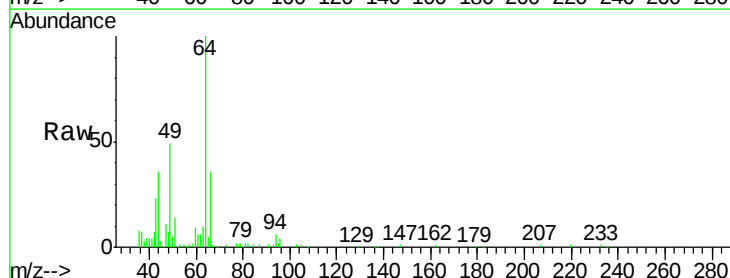
Acq: 17 Jul 2018 18:56

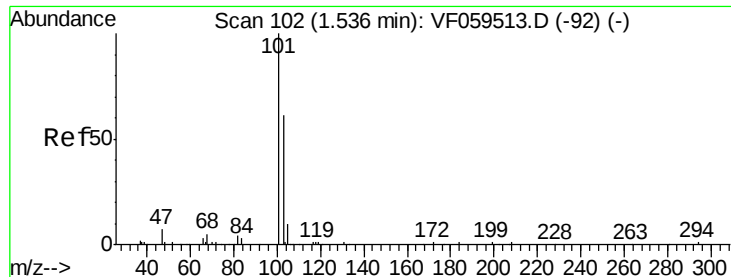
Tgt Ion: 64 Resp: 87794

Ion Ratio Lower Upper

64 100

66 36.0 22.9 34.3#



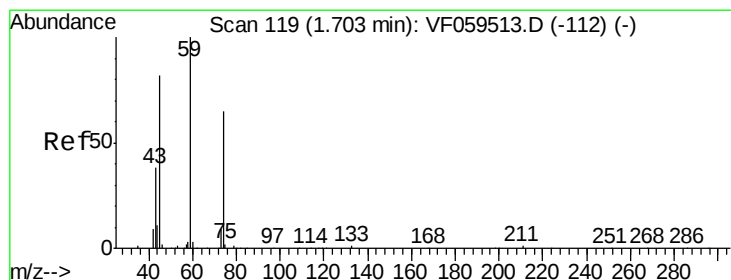
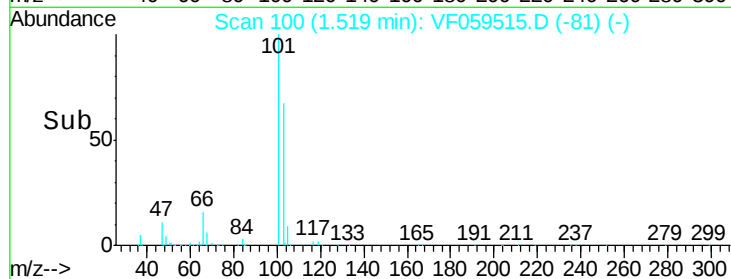
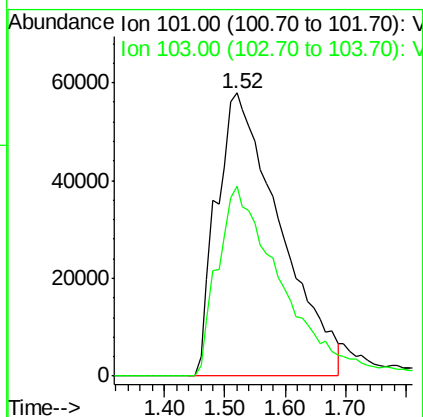
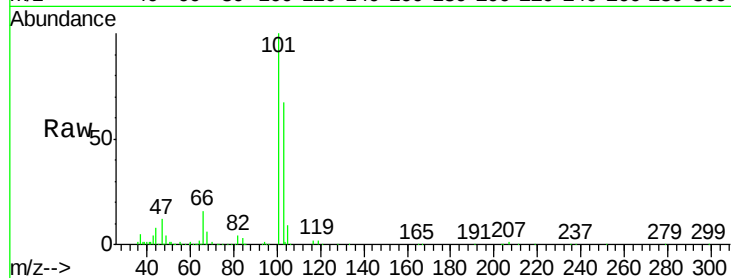


#7

Trichlorofluoromethane
Concen: 100.678 ug/l
RT: 1.52 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
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ClientSampleId :
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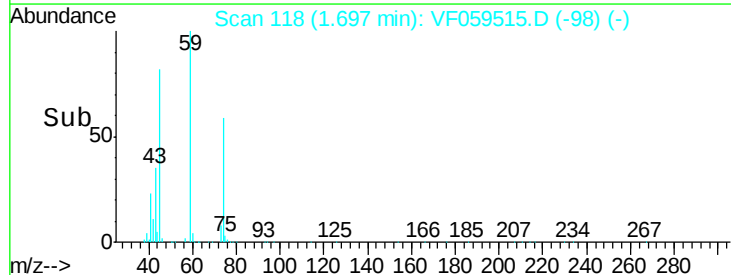
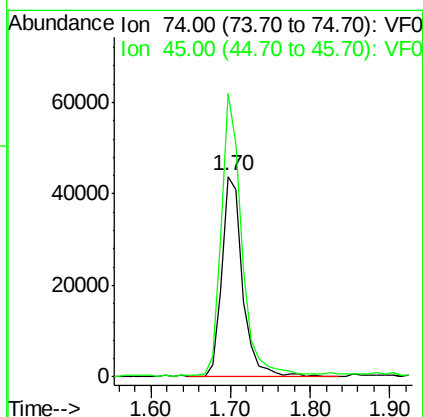
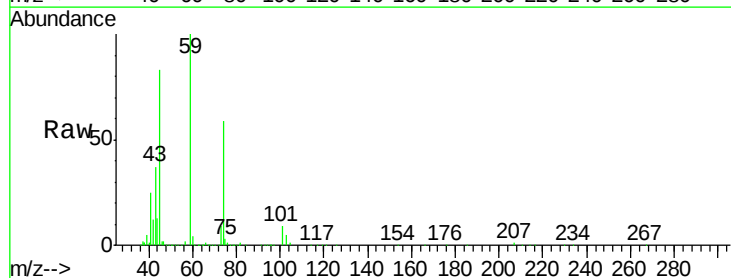
Tot Ion:101 Resp: 420967
Ion Ratio Lower Upper
101 100
103 67.1 48.6 72.8

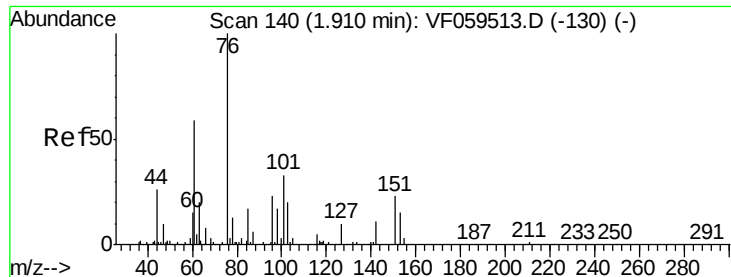


#8

Diethyl Ether
Concen: 95.650 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 74 Resp: 80126
Ion Ratio Lower Upper
74 100
45 141.3 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 77.706 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

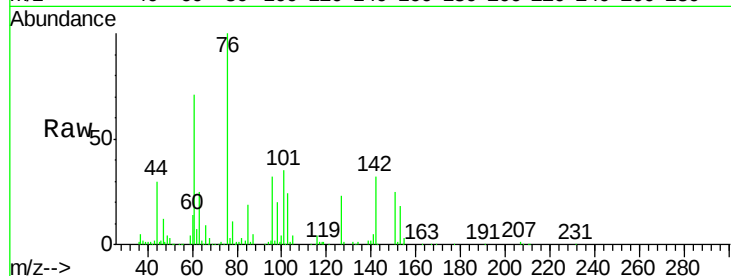
Tot Ion:101 Resp: 154338

Ion Ratio Lower Upper

101 100

85 55.2 39.8 59.6

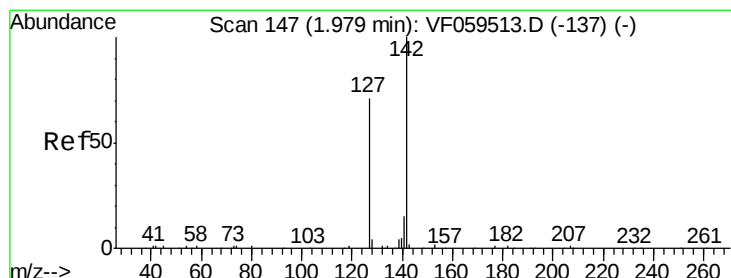
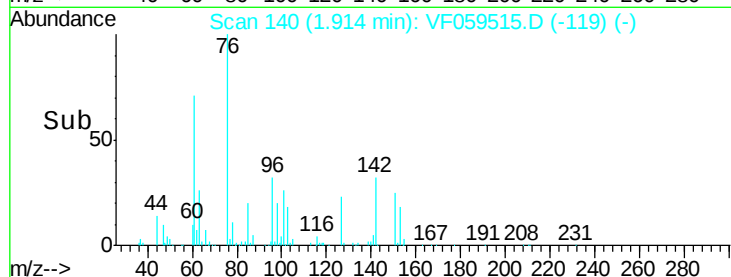
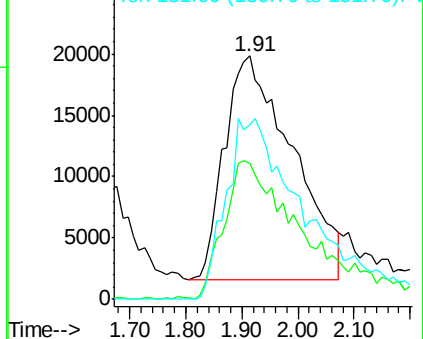
151 71.1 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 96.062 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

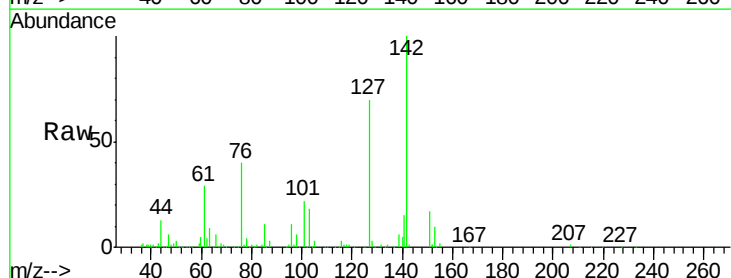
Tgt Ion:142 Resp: 321575

Ion Ratio Lower Upper

142 100

127 69.5 56.4 84.6

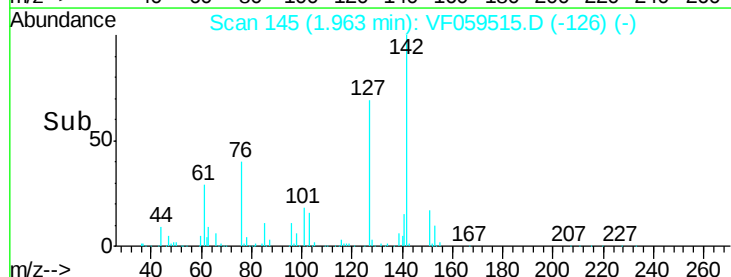
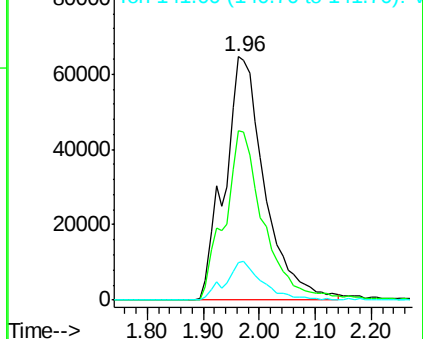
141 15.4 12.0 18.0

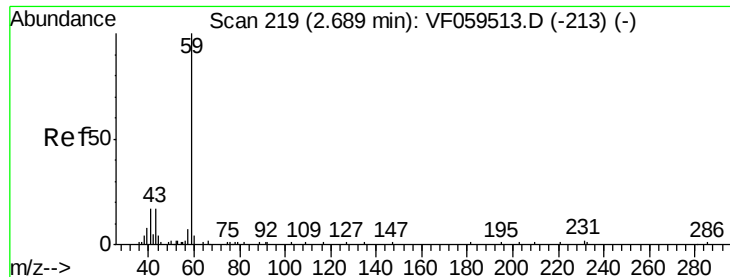


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



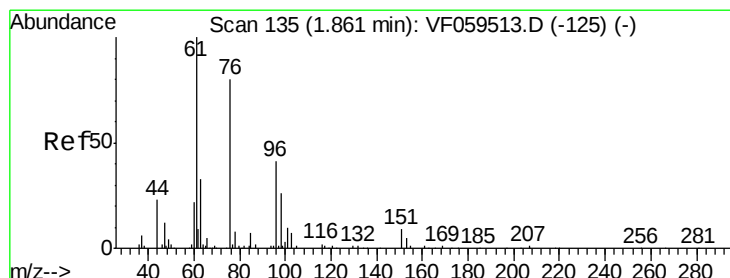
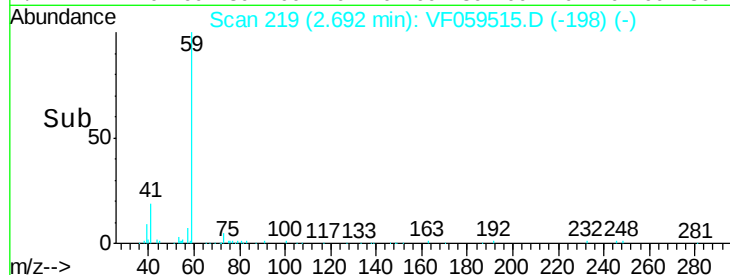
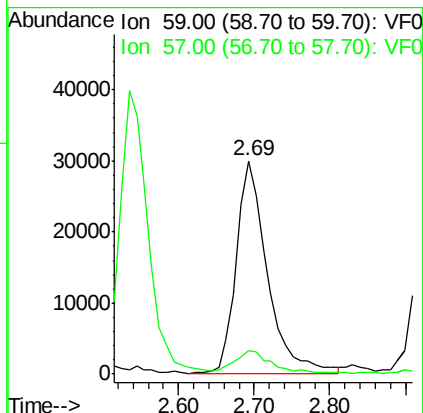
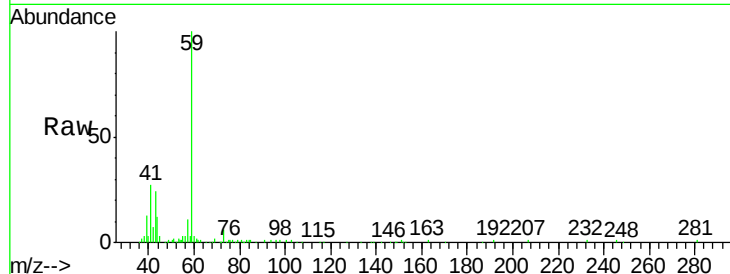


#11

Tert butyl alcohol
Concen: 452.816 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

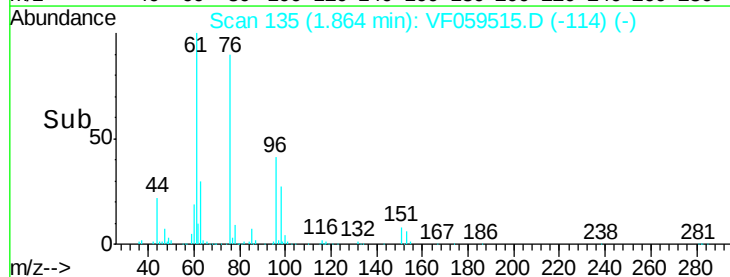
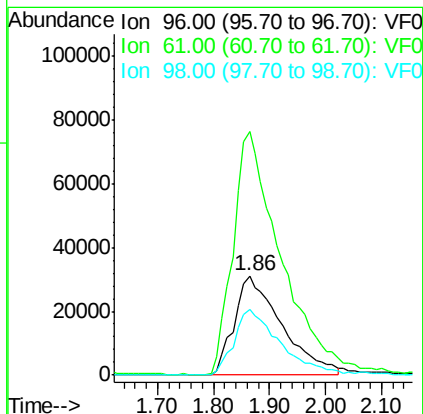
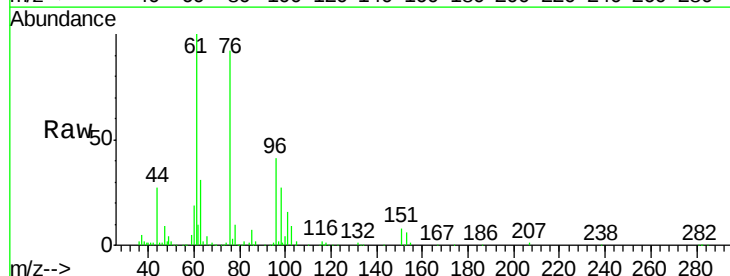
Tot Ion: 59 Resp: 86410
Ion Ratio Lower Upper
59 100
57 11.0 7.7 11.5

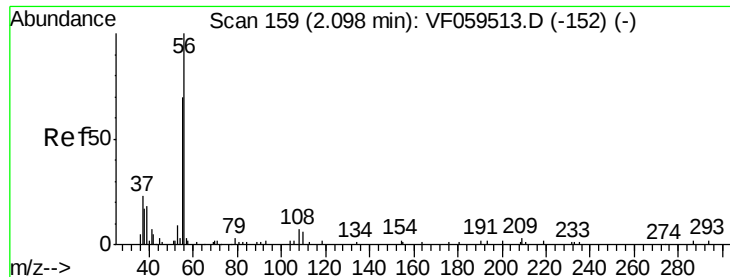


#12

1,1-Dichloroethene
Concen: 95.546 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 96 Resp: 183289
Ion Ratio Lower Upper
96 100
61 244.7 194.3 291.5
98 66.5 50.3 75.5





#13

Acrolein

Concen: 323.125 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

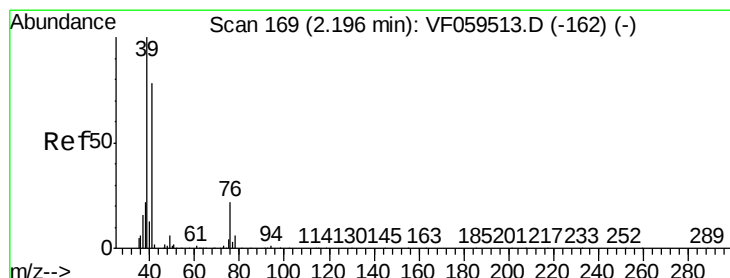
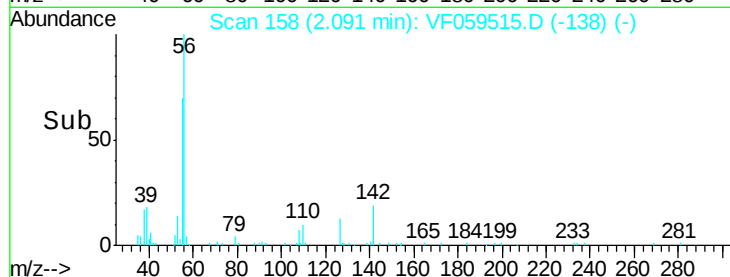
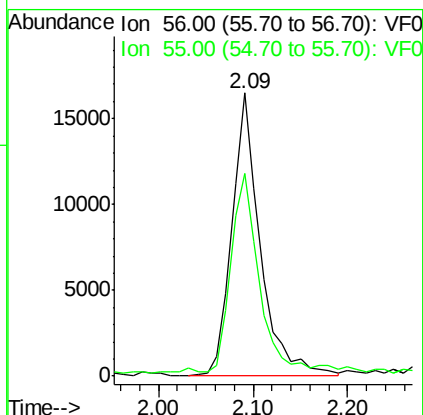
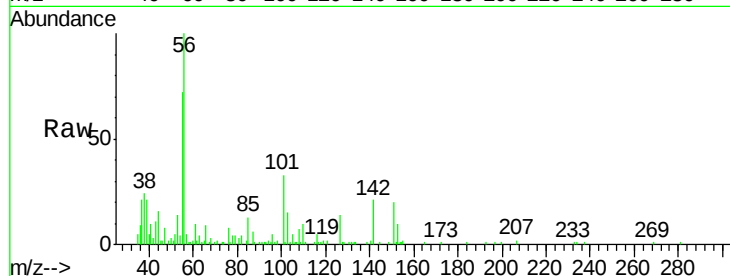
VSTDIC100

Tot Ion: 56 Resp: 34449

Ion Ratio Lower Upper

56 100

55 71.7 59.4 89.2



#14

Allyl chloride

Concen: 91.816 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

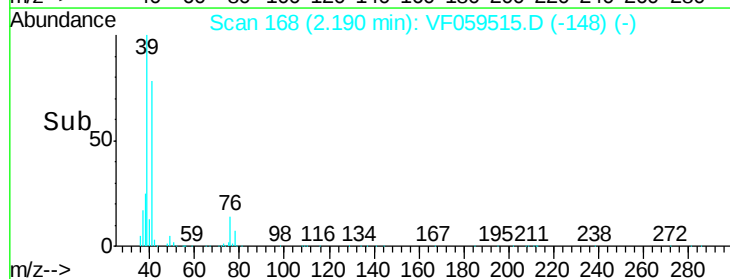
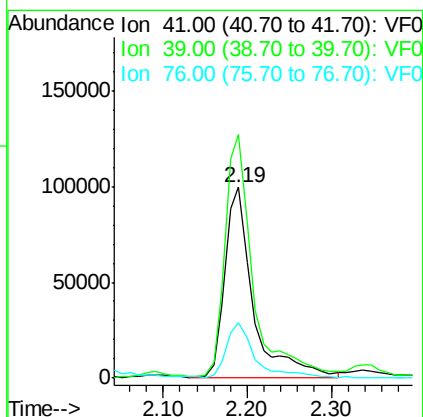
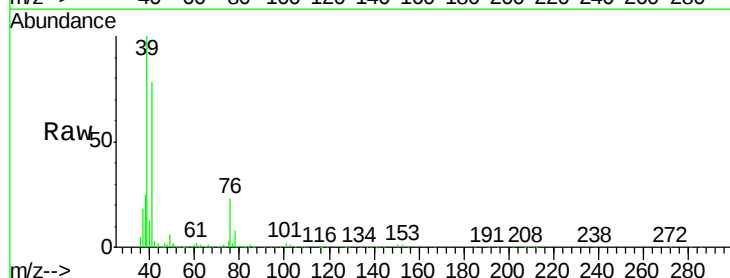
Tgt Ion: 41 Resp: 231005

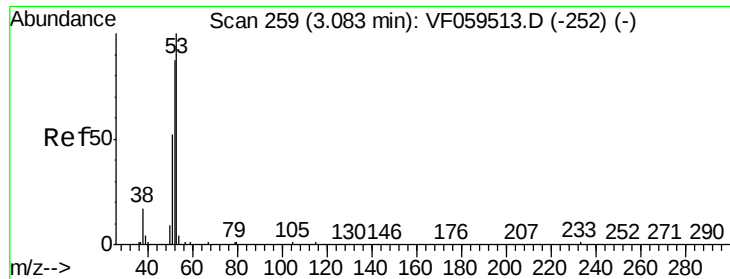
Ion Ratio Lower Upper

41 100

39 127.7 103.0 154.4

76 29.0 22.6 34.0





#15

Acrylonitrile

Concen: 491.019 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

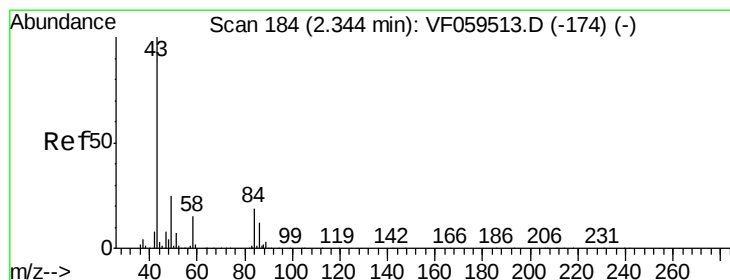
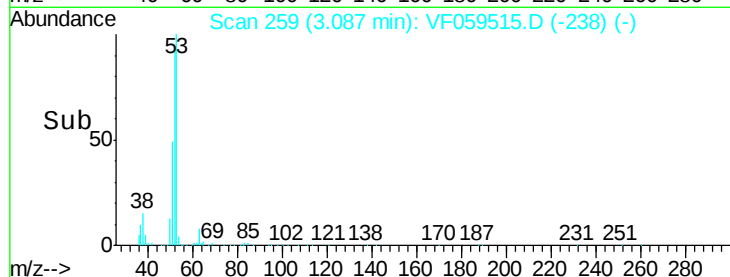
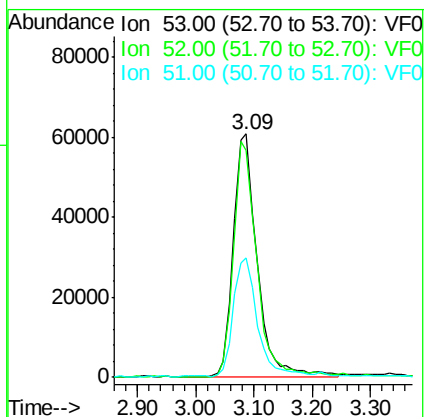
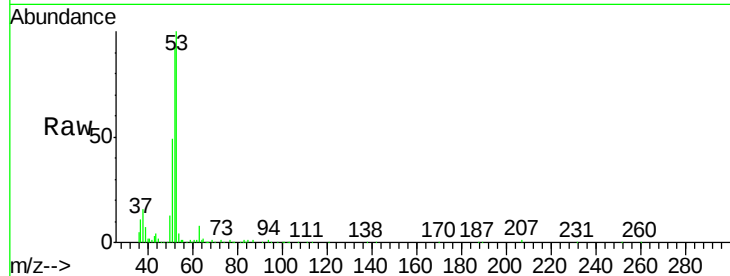
Tot Ion: 53 Resp: 172913

Ion Ratio Lower Upper

53 100

52 93.3 70.1 105.1

51 49.2 42.5 63.7



#16

Acetone

Concen: 447.258 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059515.D

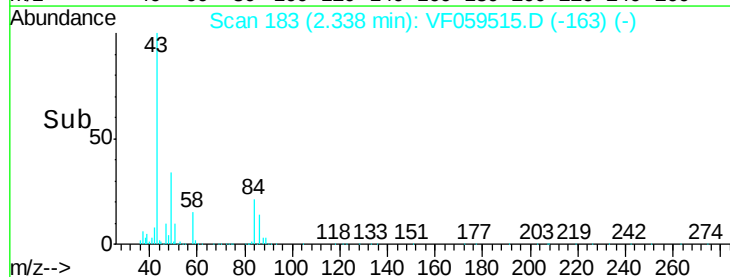
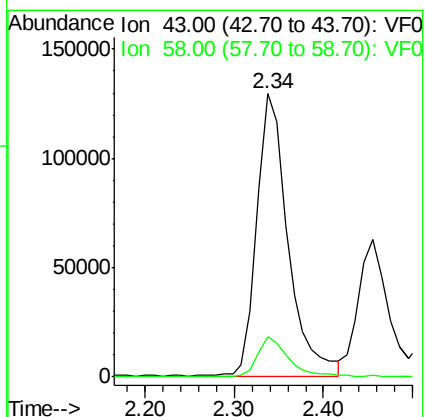
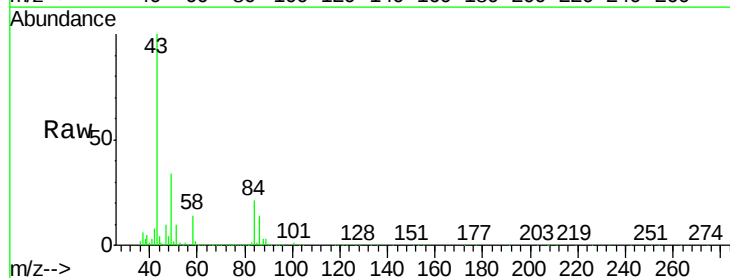
Acq: 17 Jul 2018 18:56

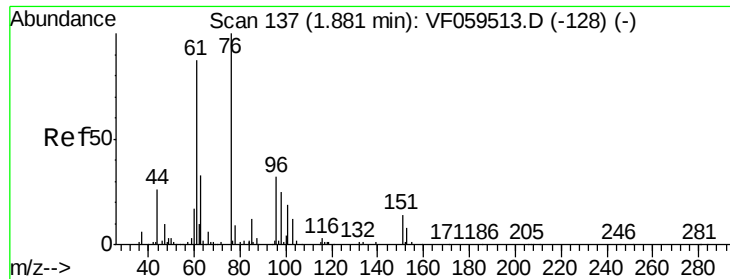
Tgt Ion: 43 Resp: 312561

Ion Ratio Lower Upper

43 100

58 14.4 11.8 17.6

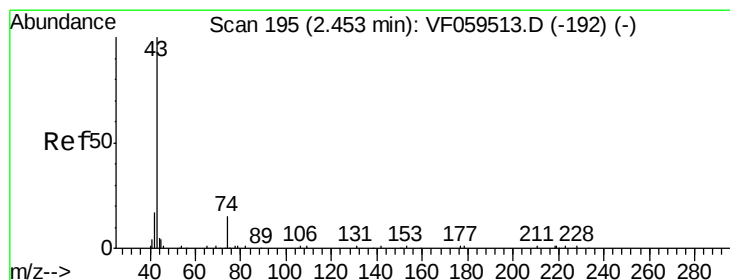
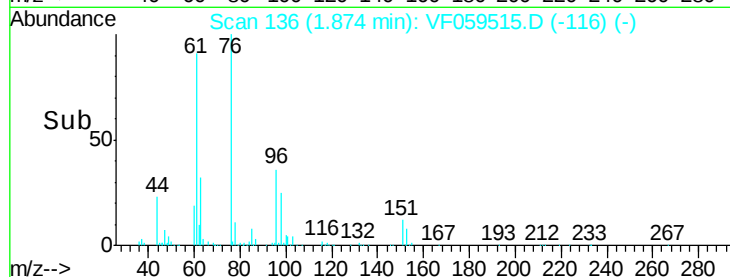
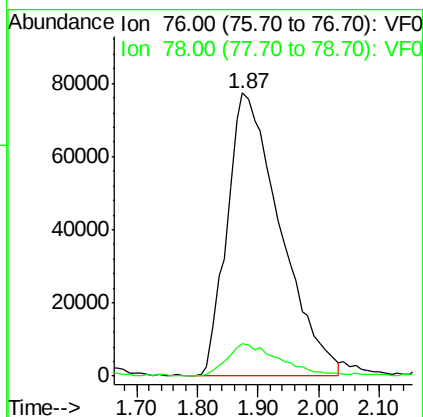
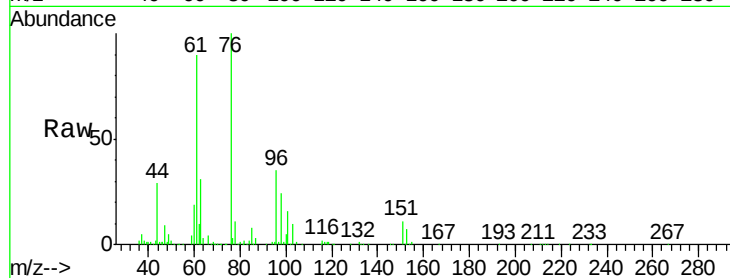




#17
Carbon Disulfide
Concen: 90.836 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

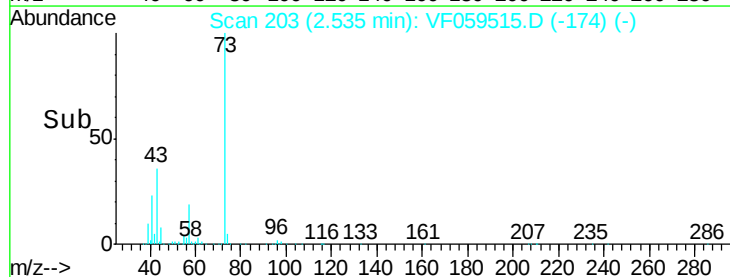
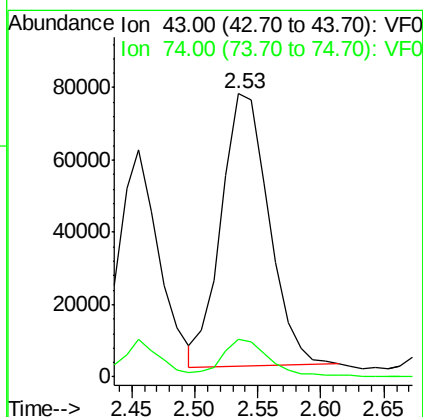
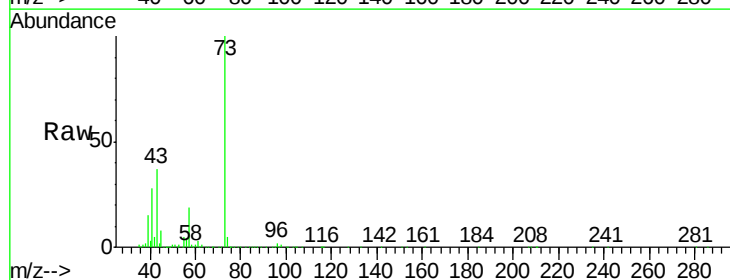
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

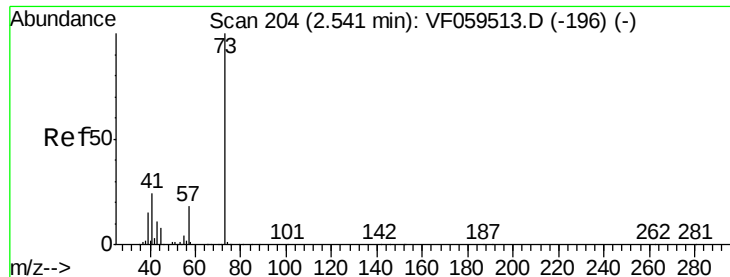
Tot Ion: 76 Resp: 472988
Ion Ratio Lower Upper
76 100
78 11.4 7.8 11.6



#18
Methyl Acetate
Concen: 136.560 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.08 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 43 Resp: 195940
Ion Ratio Lower Upper
43 100
74 13.3 10.6 15.8

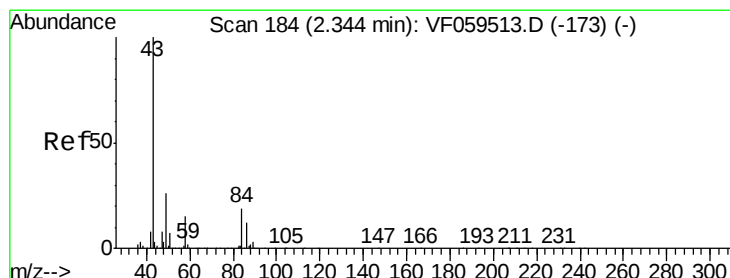
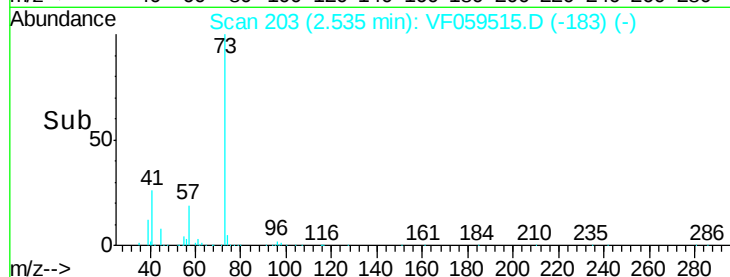
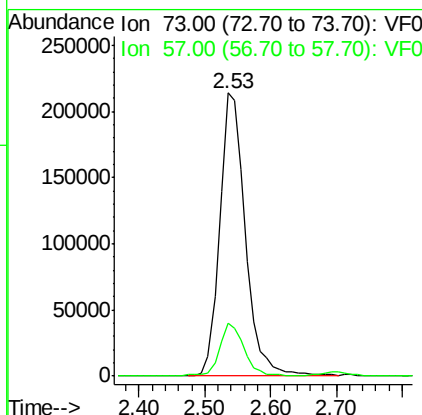
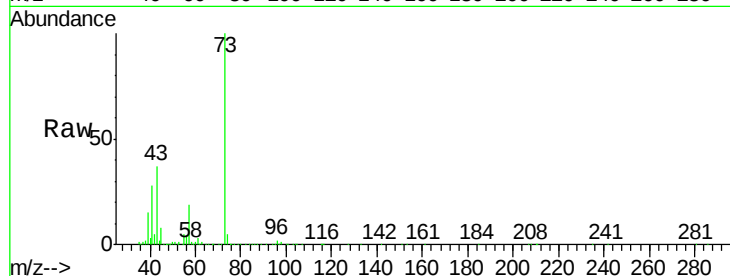




#19
Methvl tert-butvl Ether
Concen: 92.961 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

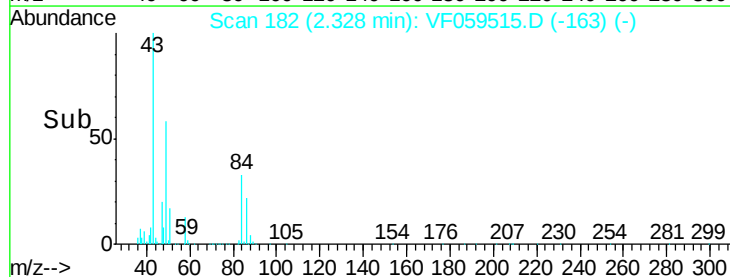
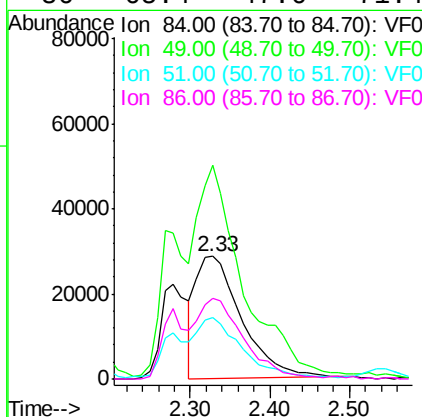
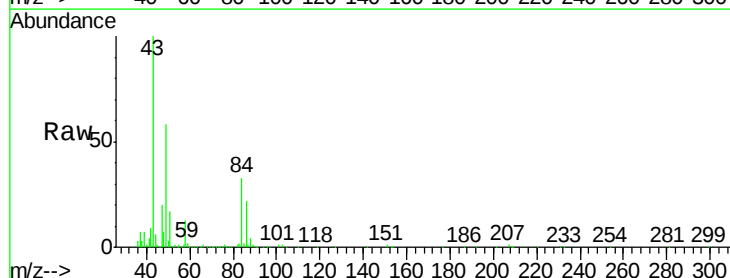
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

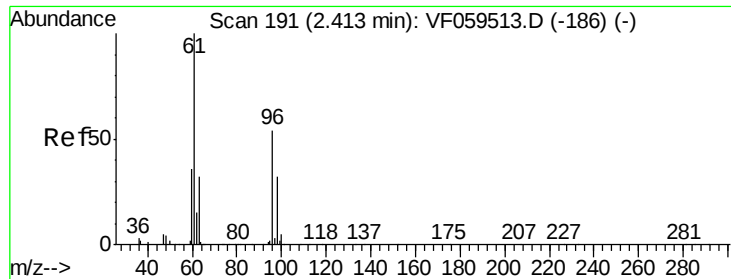
Tot Ion: 73 Resp: 583275
Ion Ratio Lower Upper
73 100
57 18.6 14.3 21.5



#20
Methylene Chloride
Concen: 45.406 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 84 Resp: 113607
Ion Ratio Lower Upper
84 100
49 174.3 109.4 164.2#
51 50.7 30.5 45.7#
86 65.4 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 102.700 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

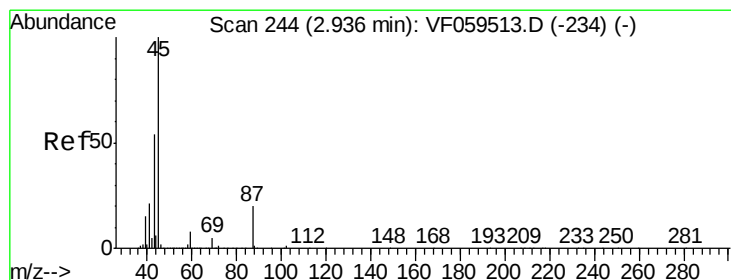
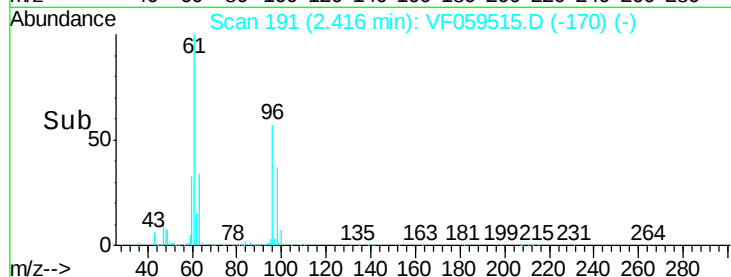
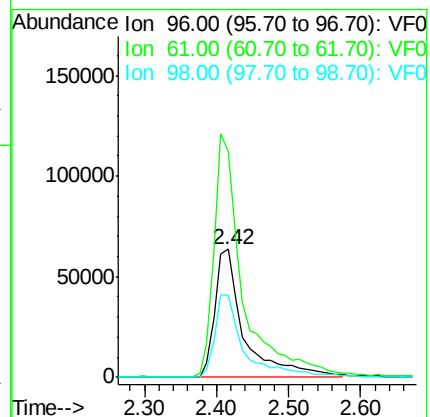
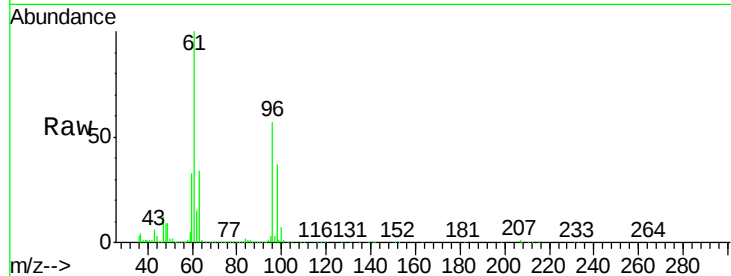
Tot Ion: 96 Resp: 179470

Ion Ratio Lower Upper

96 100

61 176.6 149.8 224.8

98 64.6 47.8 71.8



#22

Diisopropyl ether

Concen: 93.302 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion: 45 Resp: 672954

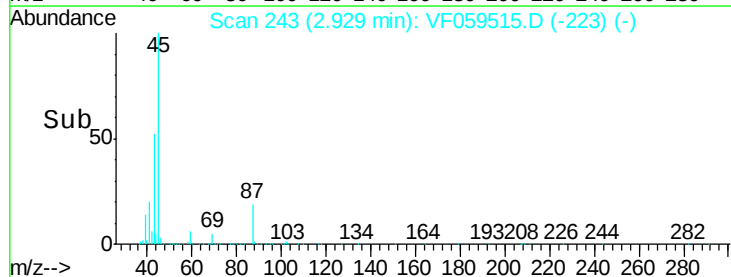
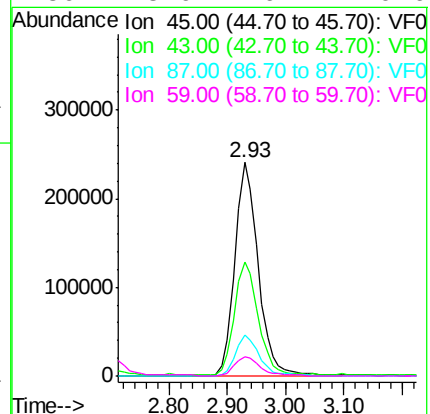
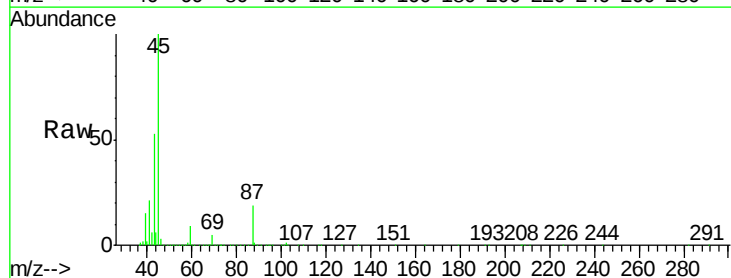
Ion Ratio Lower Upper

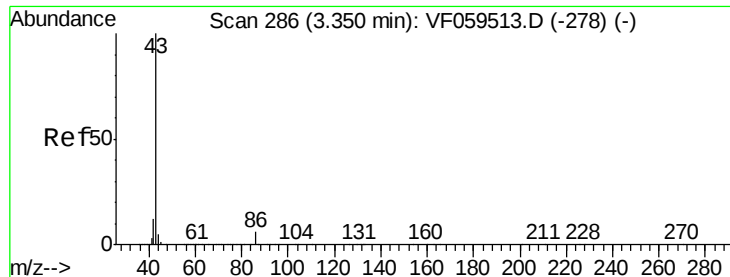
45 100

43 53.3 43.6 65.4

87 19.3 15.6 23.4

59 8.9 6.4 9.6





#23

Vinyl Acetate

Concen: 446.336 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

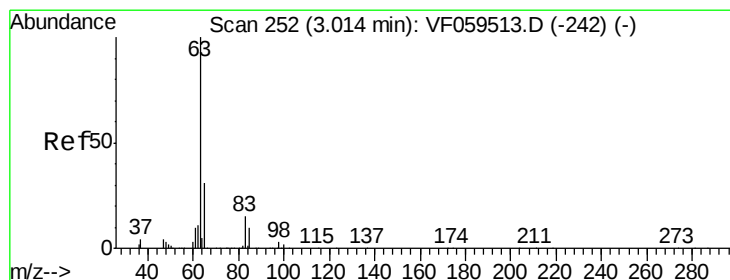
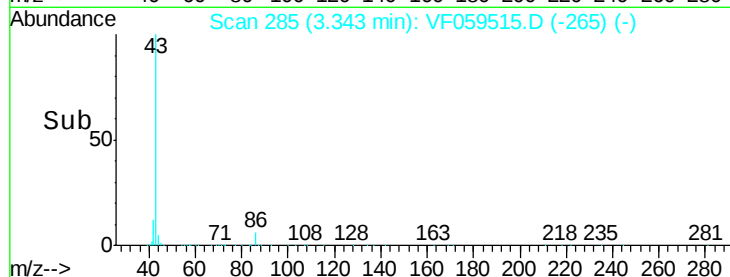
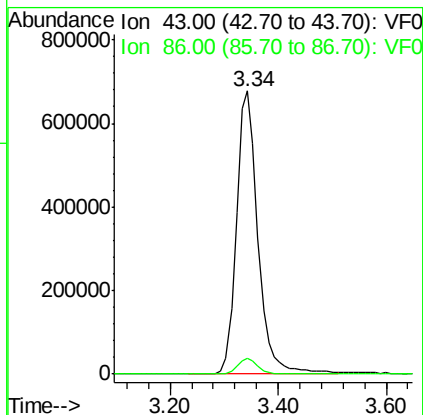
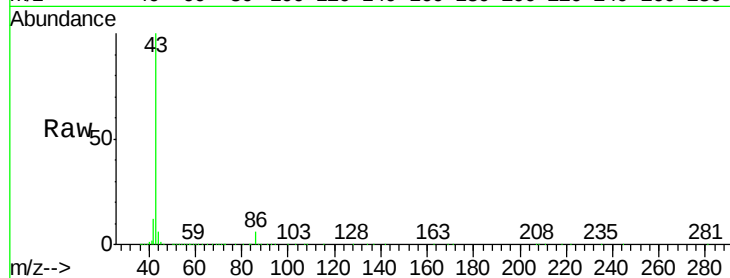
VSTDIC100

Tot Ion: 43 Resp: 1870767

Ion Ratio Lower Upper

43 100

86 5.6 4.4 6.6



#24

1,1-Dichloroethane

Concen: 98.527 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

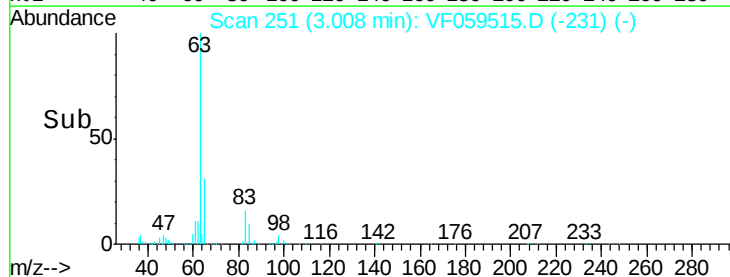
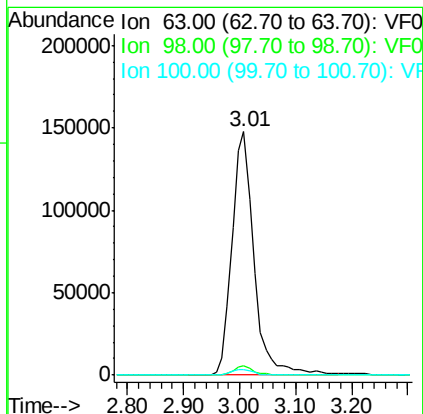
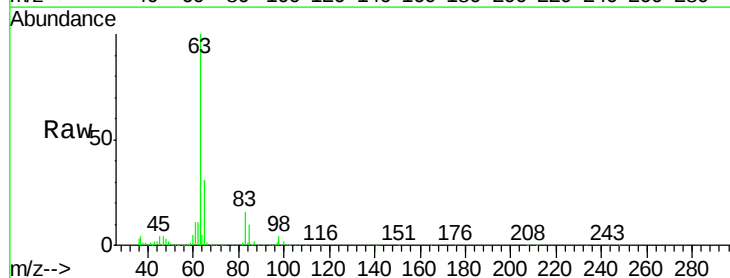
Tgt Ion: 63 Resp: 403421

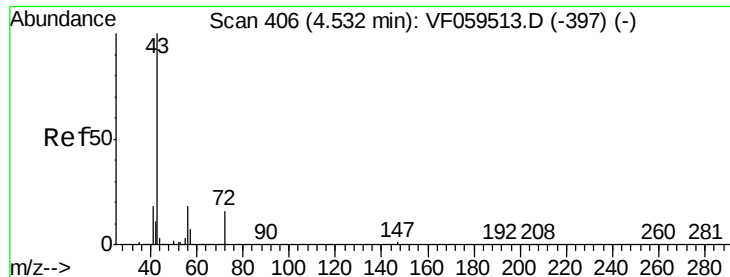
Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.4

100 2.4 1.3 3.8

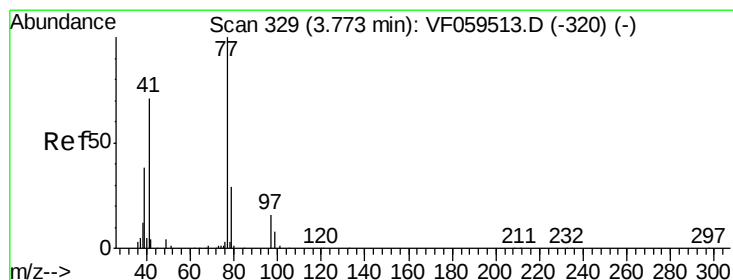
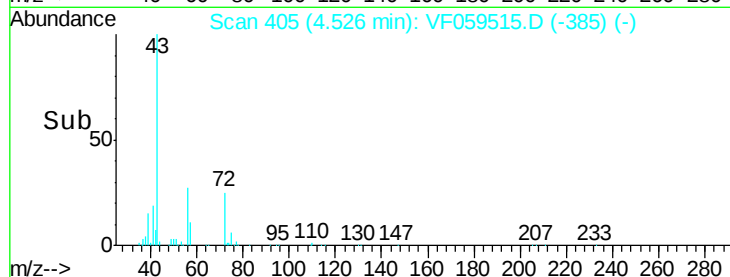
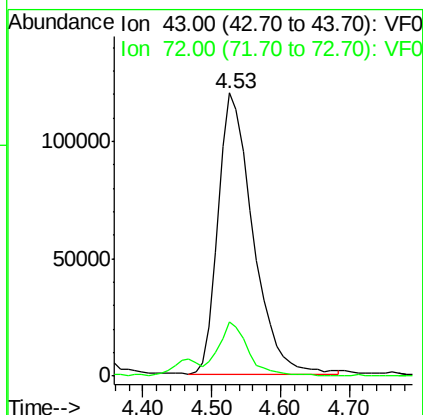
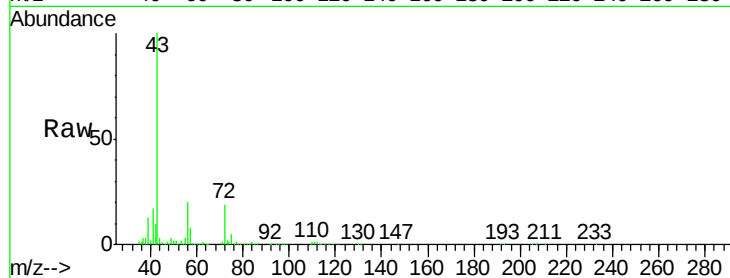




#25
2-Butanone
Concen: 412.714 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

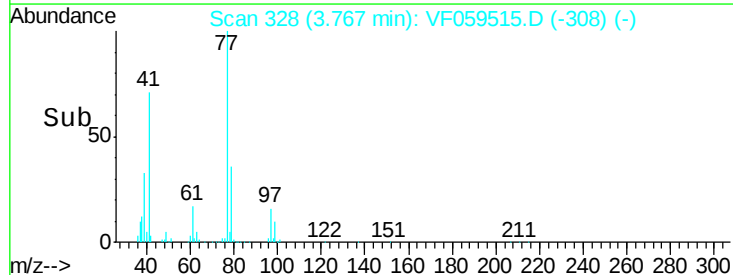
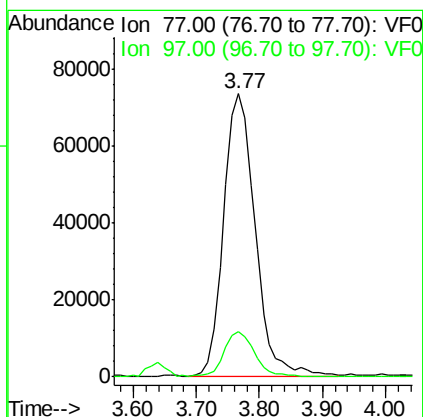
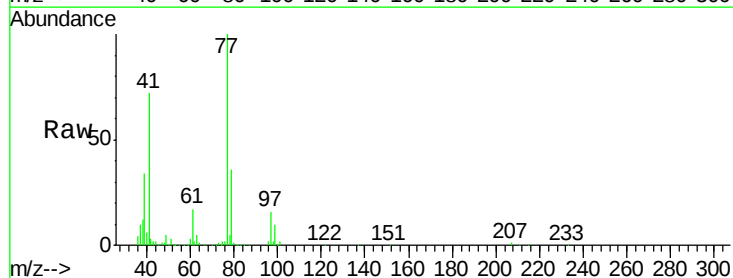
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

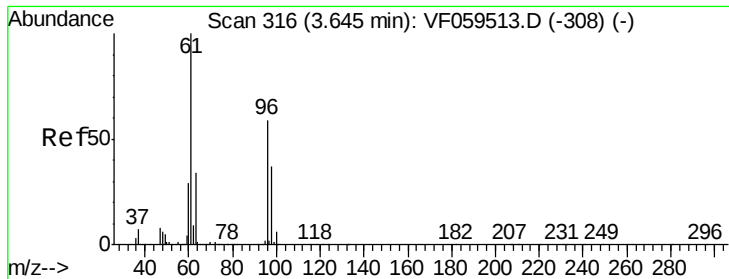
Tot Ion: 43 Resp: 419236
Ion Ratio Lower Upper
43 100
72 19.3 14.2 21.4



#26
2,2-Dichloropropane
Concen: 92.563 ug/l
RT: 3.77 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 77 Resp: 254355
Ion Ratio Lower Upper
77 100
97 15.8 8.1 24.3



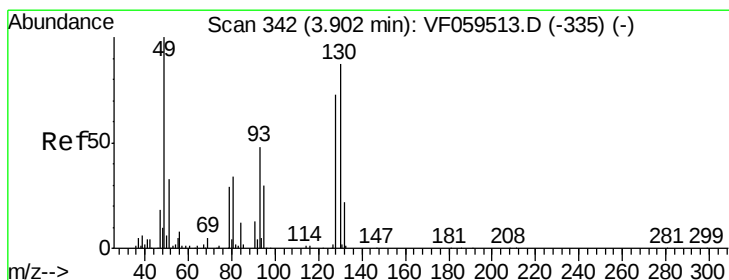
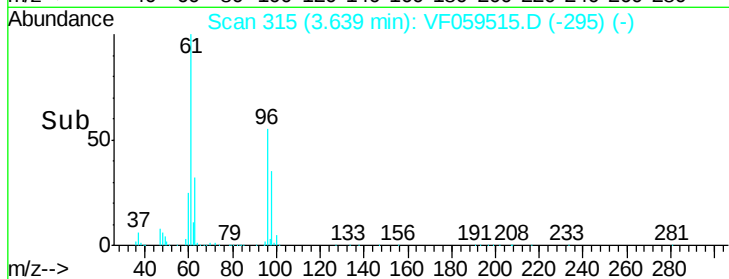
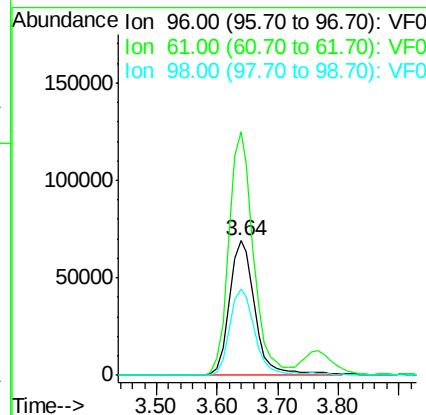
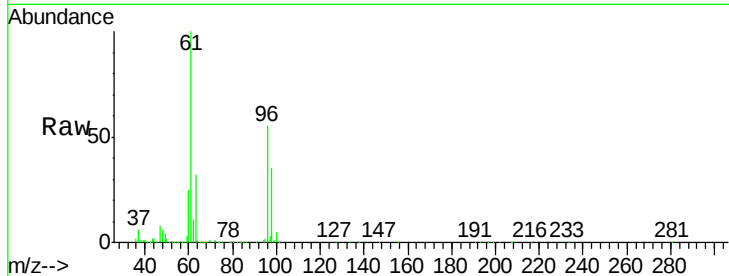


#27

cis-1,2-Dichloroethene
Concen: 85.014 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

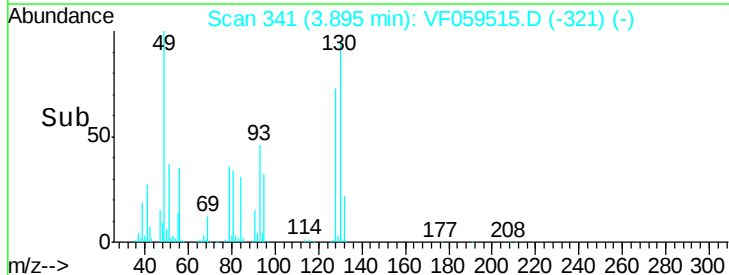
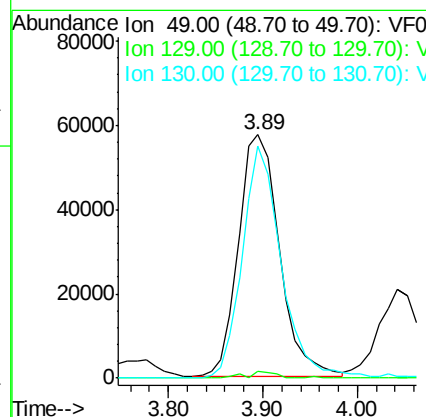
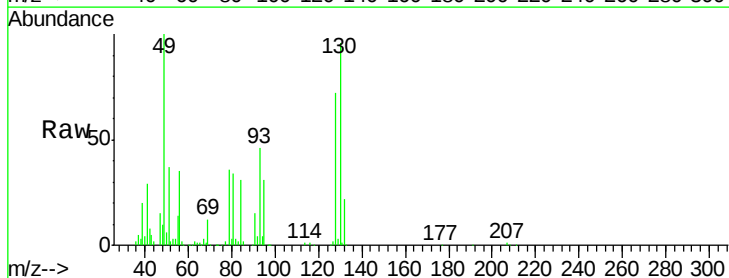
Tot Ion	Ratio	Lower	Upper
96	100		
61	180.7	0.0	339.0
98	64.0	0.0	125.4

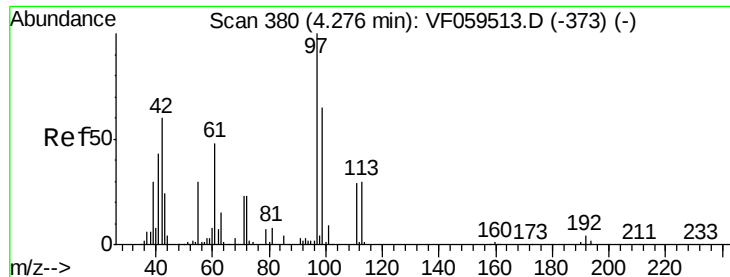


#28

Bromochloromethane
Concen: 90.854 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	0.0#
130	95.6	69.8	104.6

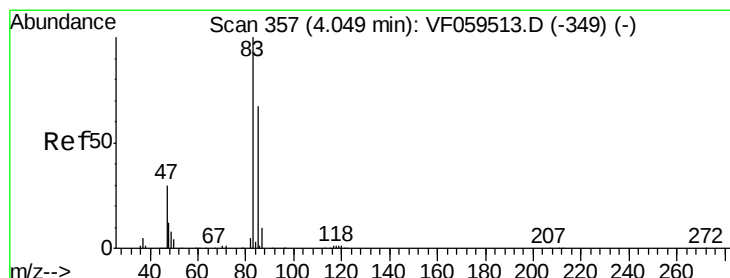
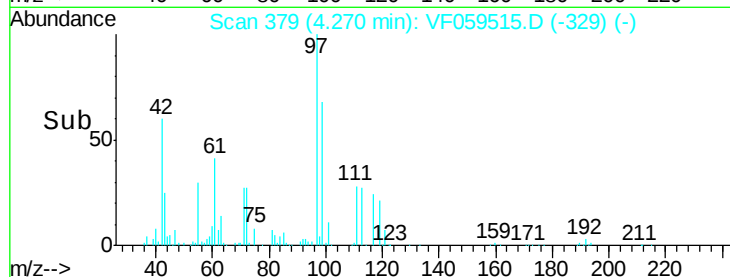
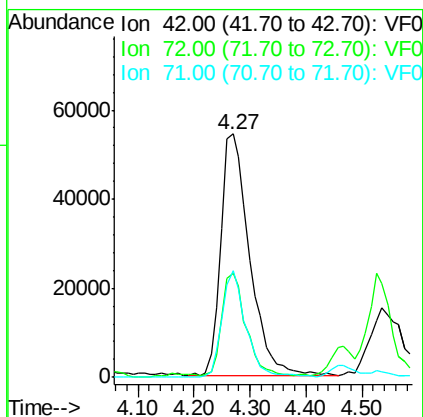
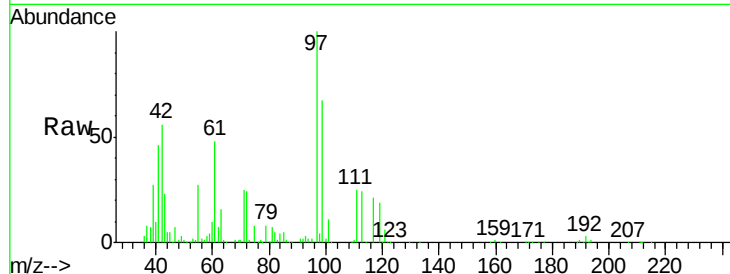




#29
Tetrahydrofuran
Concen: 444.453 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

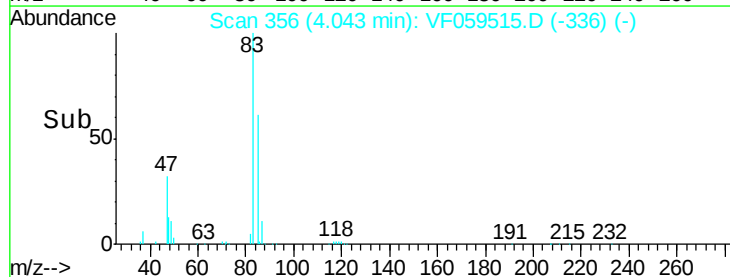
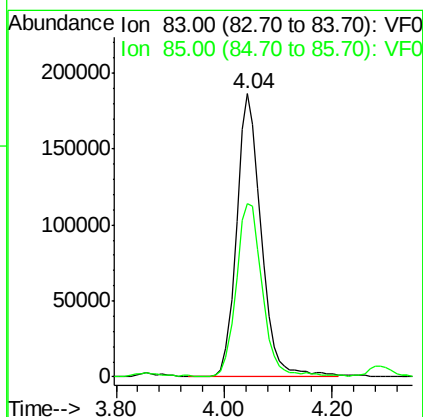
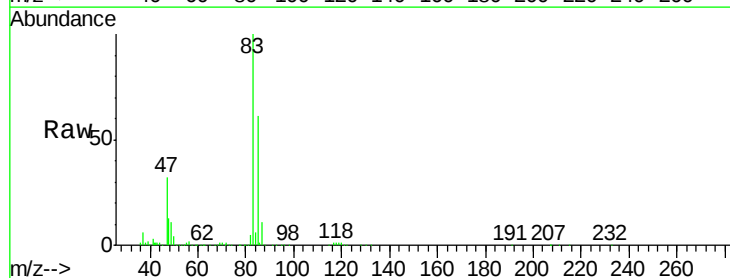
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

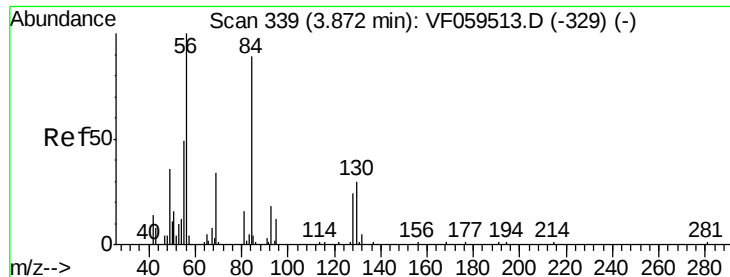
Tot Ion: 42 Resp: 193933
Ion Ratio Lower Upper
42 100
72 36.7 28.7 43.1
71 36.8 30.8 46.2



#30
Chloroform
Concen: 94.903 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 83 Resp: 583629
Ion Ratio Lower Upper
83 100
85 61.4 53.2 79.8





#31

Cyclohexane

Concen: 92.882 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

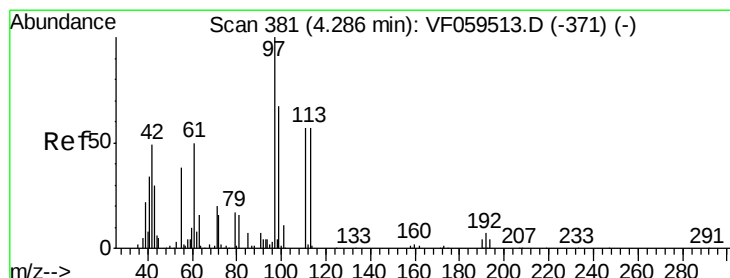
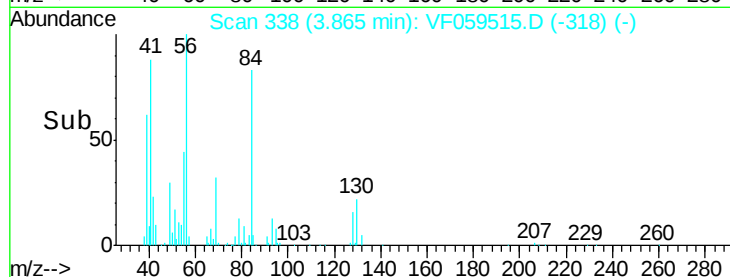
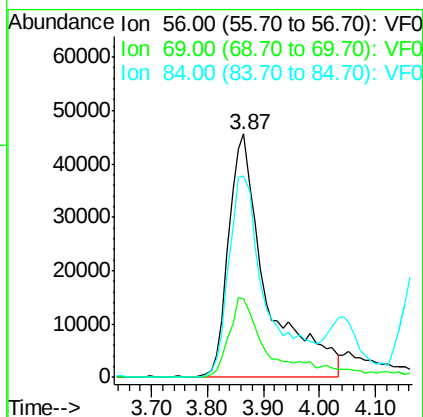
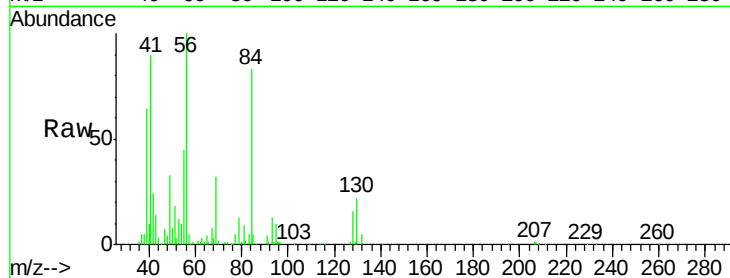
Tot Ion: 56 Resp: 214803

Ion Ratio Lower Upper

56 100

69 32.1 27.6 41.4

84 82.7 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 89.136 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

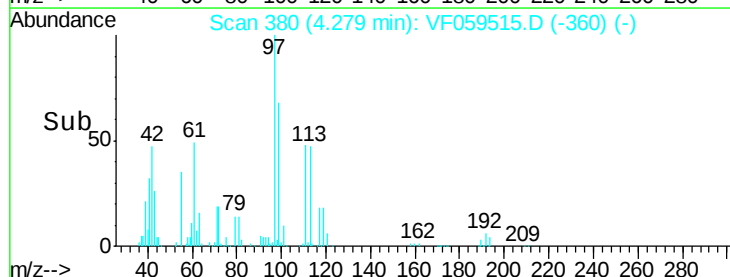
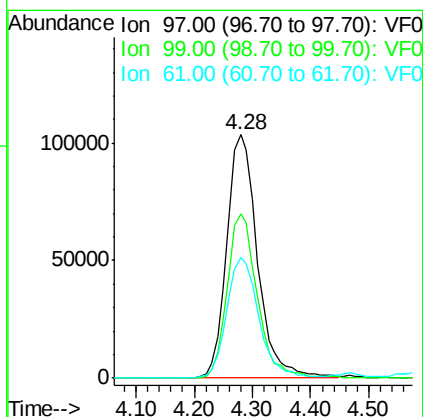
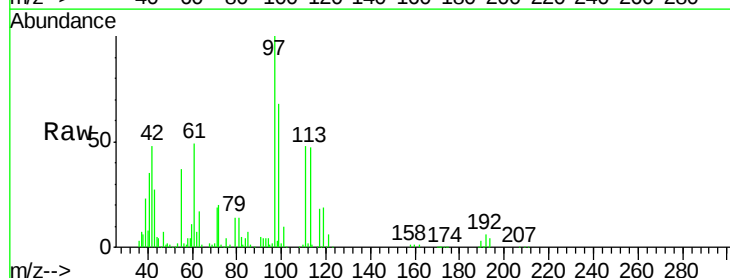
Tgt Ion: 97 Resp: 380248

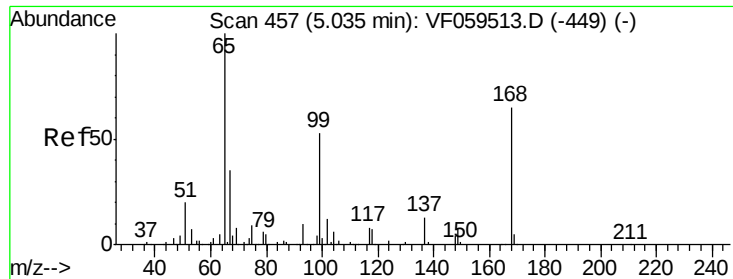
Ion Ratio Lower Upper

97 100

99 67.7 53.5 80.3

61 49.4 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 94.926 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

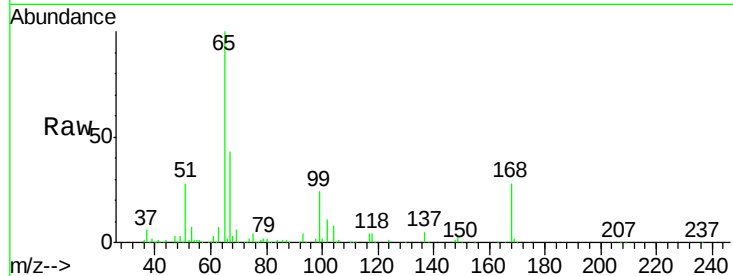
VSTDIC100

Tot Ion: 65 Resp: 390568

Ion Ratio Lower Upper

65 100

67 42.8 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

150000

100000

50000

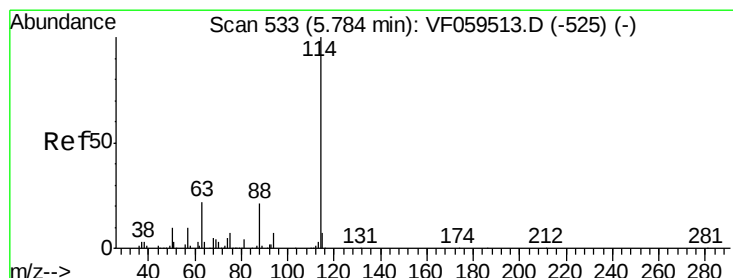
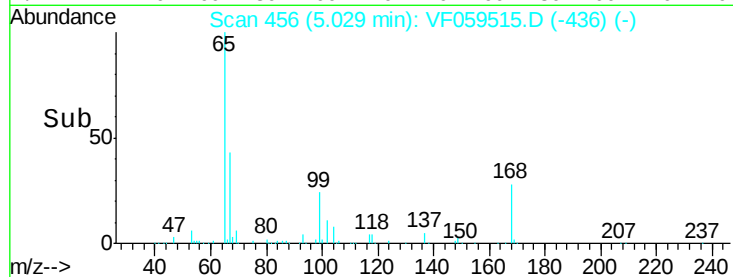
0

4.90

5.00

5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

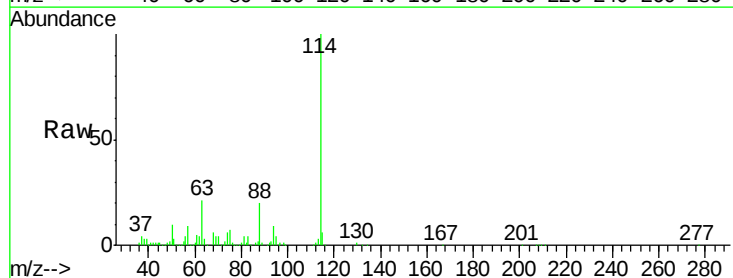
Tgt Ion: 114 Resp: 395962

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.8

88 19.5 0.0 42.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

200000

150000

100000

50000

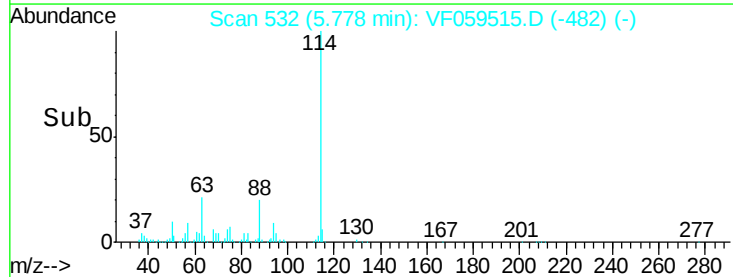
0

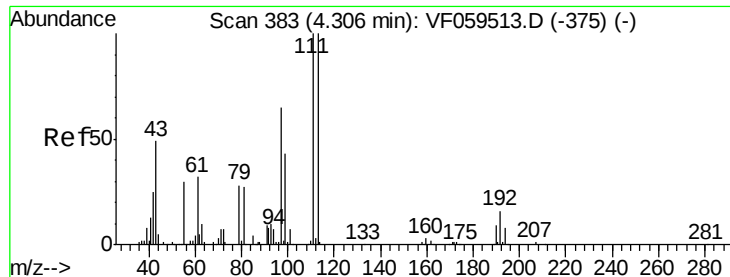
5.70

5.80

5.90

Time-->





#35

Dibromofluoromethane

Concen: 94.137 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

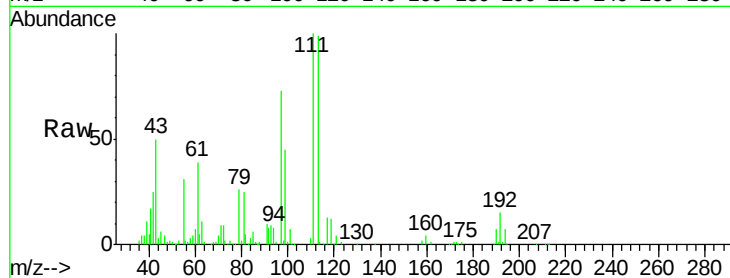
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 323721

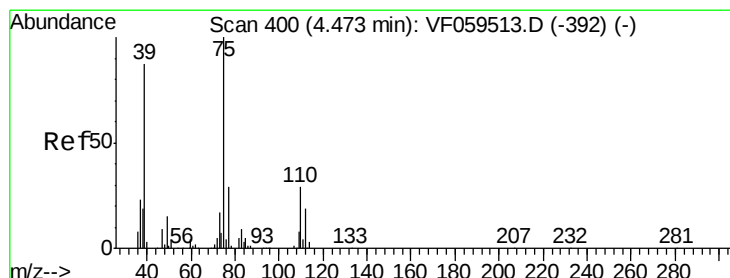
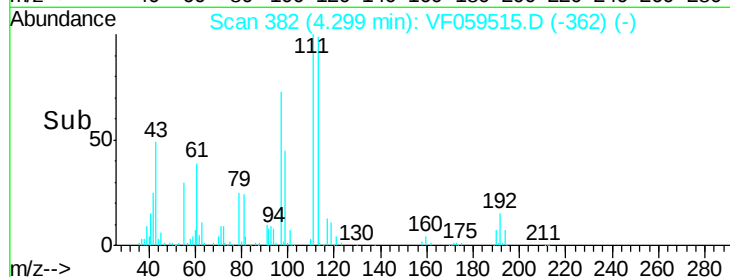
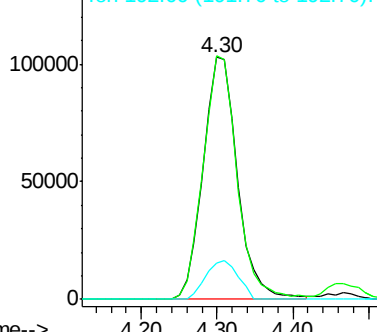
Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.3	120.5
192	14.9	13.1	19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 91.738 ug/l

RT: 4.47 min Scan# 399

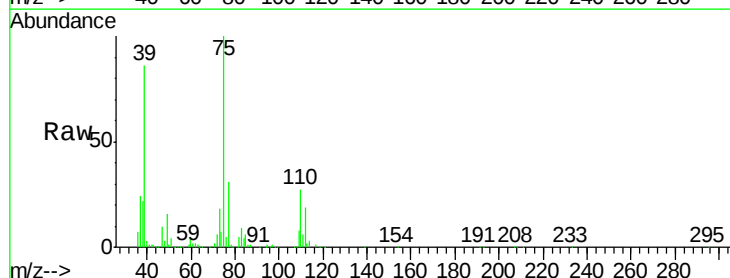
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion: 75 Resp: 369921

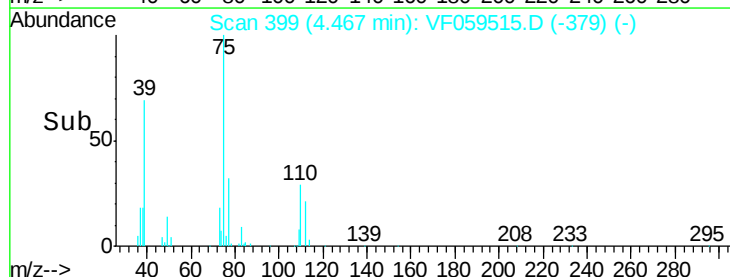
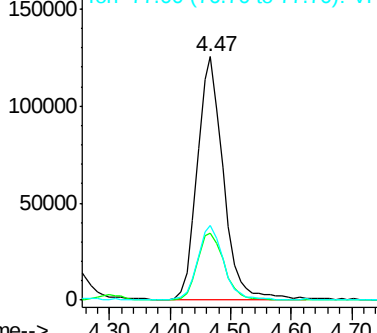
Ion	Ratio	Lower	Upper
75	100		
110	27.4	14.6	43.8
77	30.8	23.7	35.5

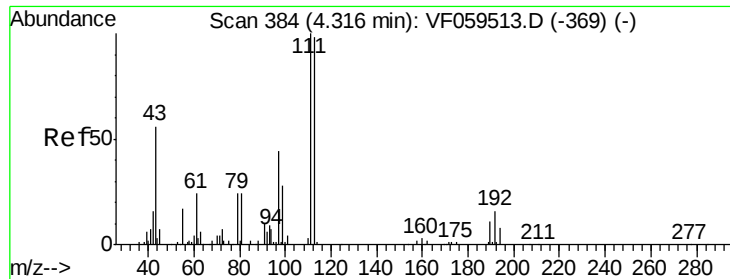


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

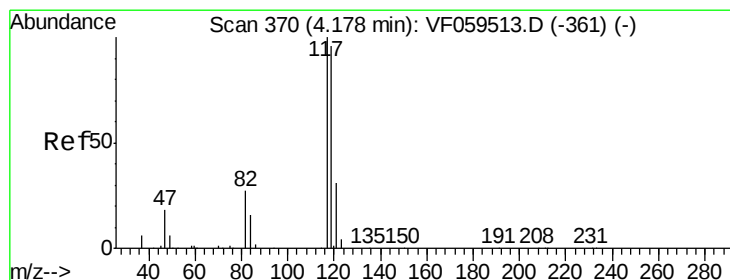
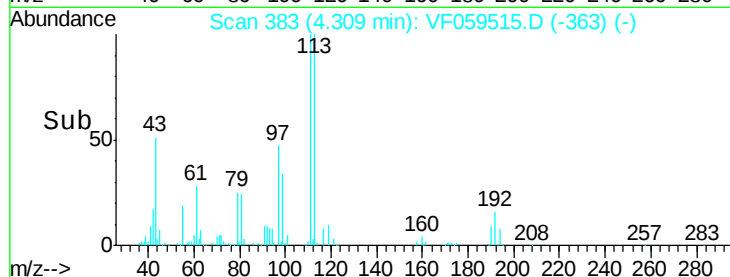
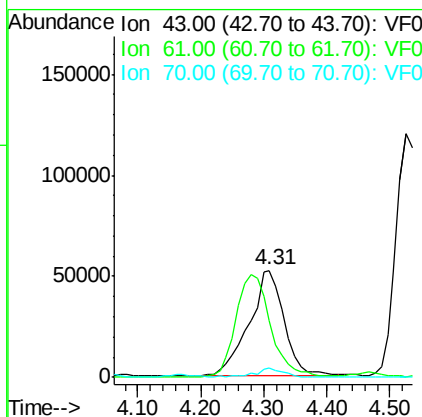
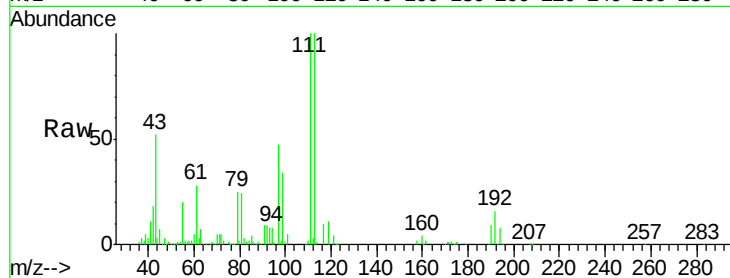




#37
Ethyl Acetate
Concen: 82.407 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

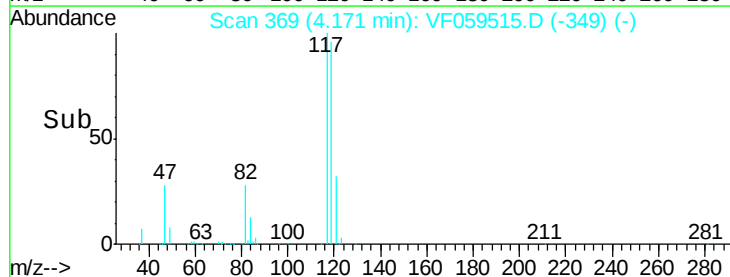
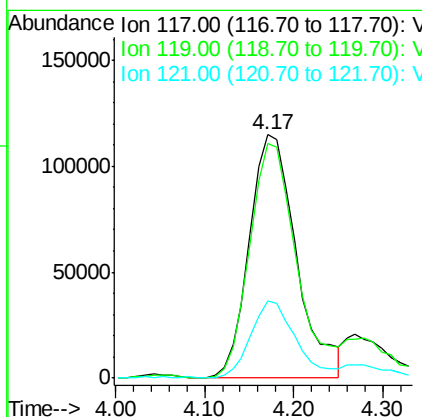
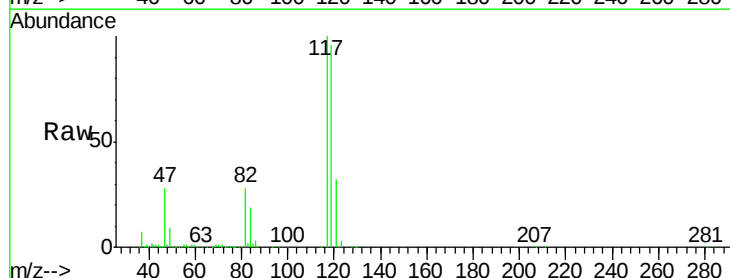
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

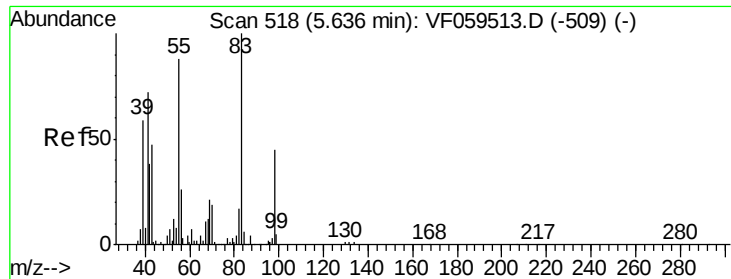
Tot Ion: 43 Resp: 203389
Ion Ratio Lower Upper
43 100
61 53.6 33.7 50.5#
70 8.8 7.4 11.0



#38
Carbon Tetrachloride
Concen: 89.746 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 117 Resp: 419613
Ion Ratio Lower Upper
117 100
119 96.2 77.6 116.4
121 31.8 24.9 37.3

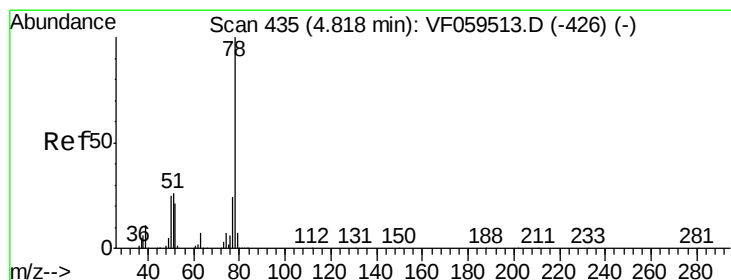
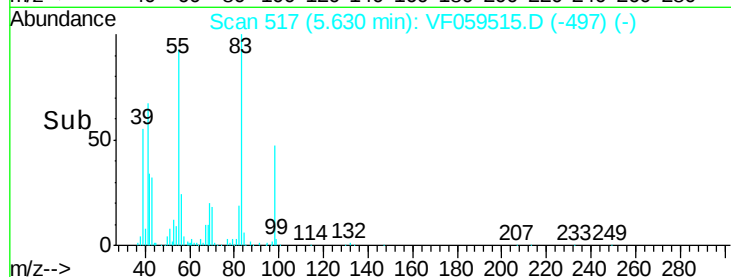
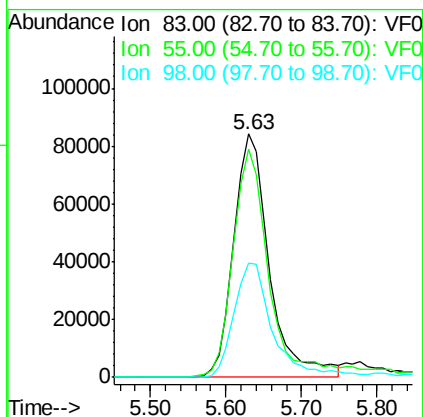
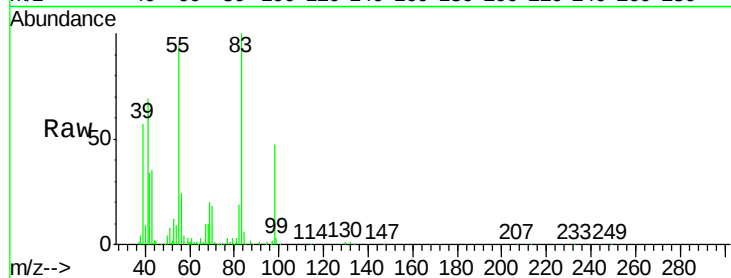




#39
Methvlcvclohexane
Concen: 90.889 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

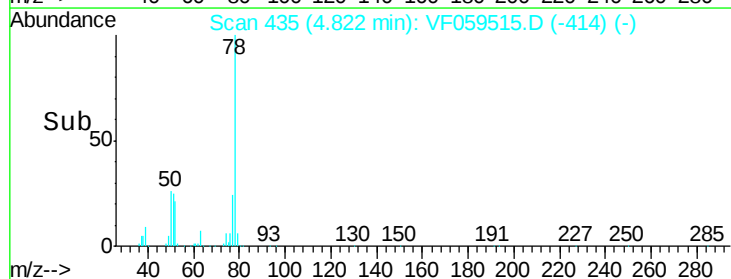
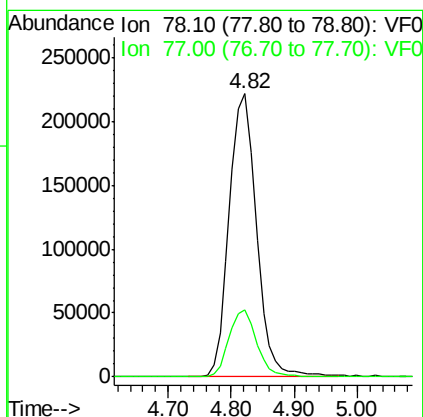
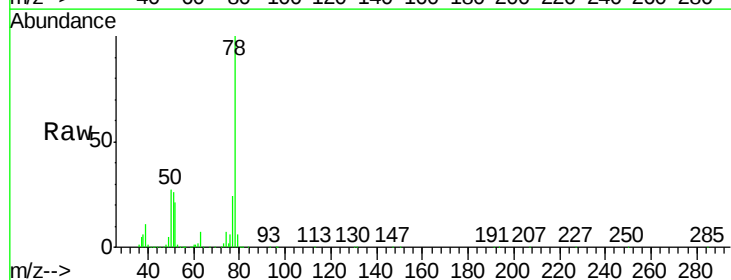
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

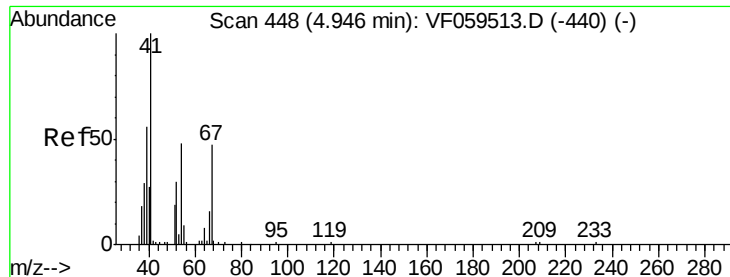
Tot Ion	83	Resp	275999
Ion	Ratio	Lower	Upper
83	100		
55	93.6	70.2	105.4
98	47.1	36.2	54.2



#40
Benzene
Concen: 85.085 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	78	Resp	666635
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0

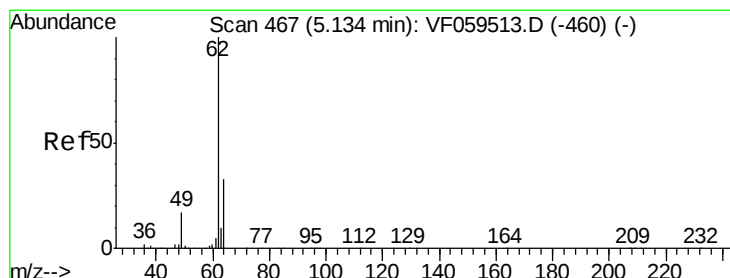
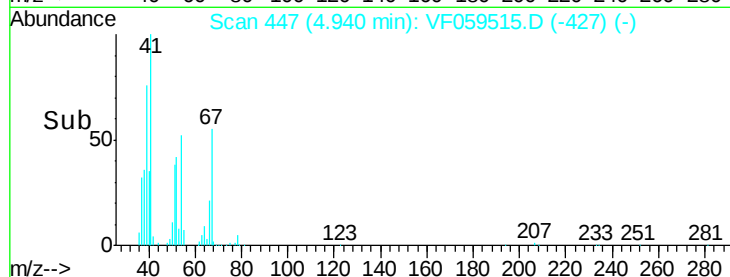
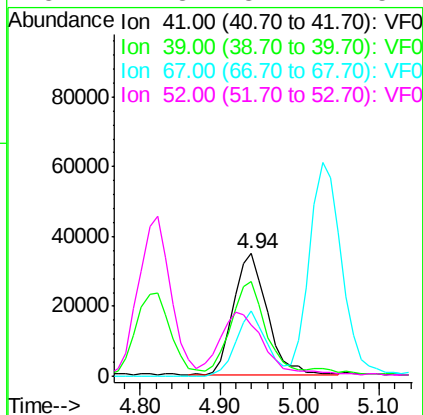
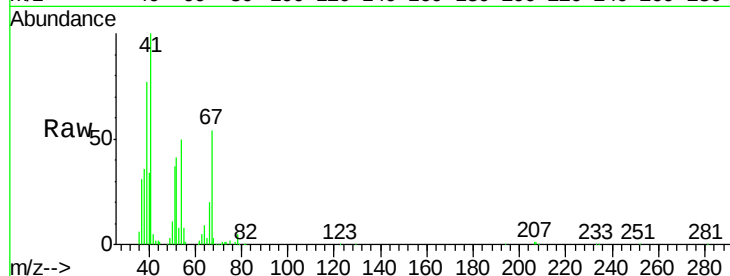




#41
Methacrylonitrile
Concen: 85.007 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

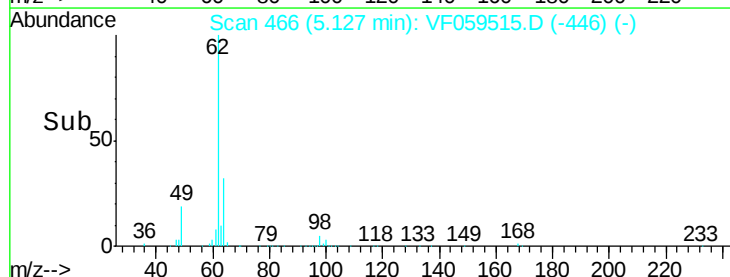
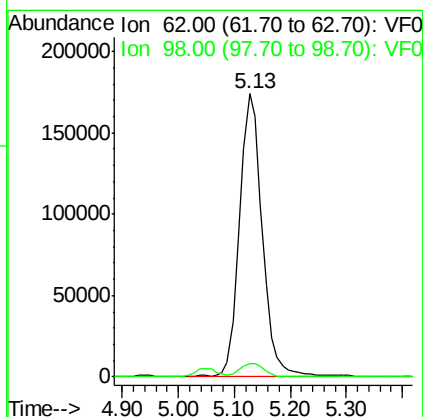
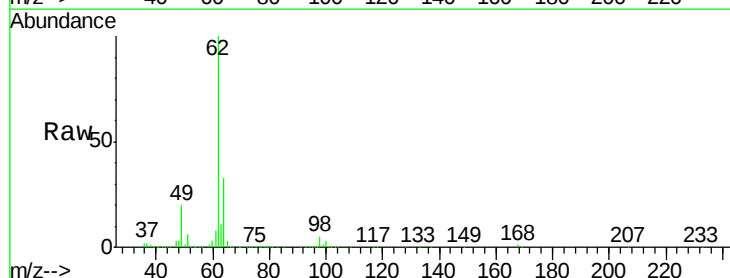
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

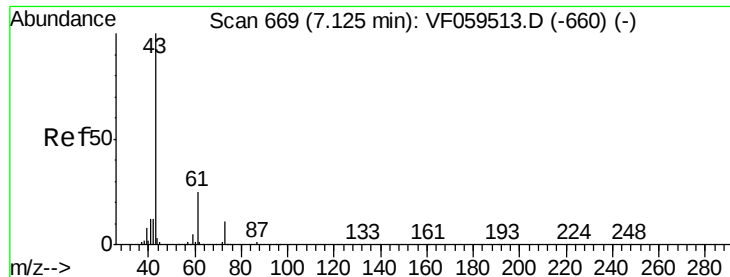
Tot Ion:	41	Resp:	101143
Ion	Ratio	Lower	Upper
41	100		
39	77.1	49.4	74.0#
67	53.6	37.4	56.2
52	41.3	32.1	48.1



#42
1,2-Dichloroethane
Concen: 98.257 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion:	62	Resp:	492823
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.6





#43

Isopropyl Acetate

Concen: 91.168 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

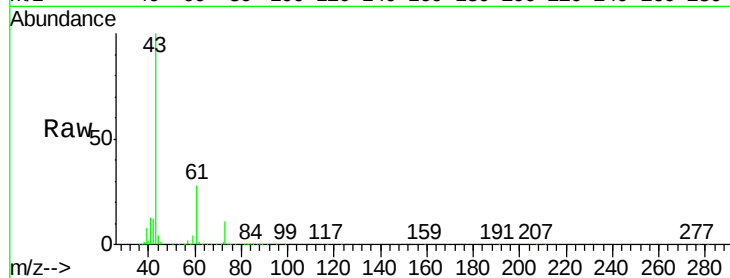
Tot Ion: 43 Resp: 269461

Ion Ratio Lower Upper

43 100

61 27.6 20.3 30.5

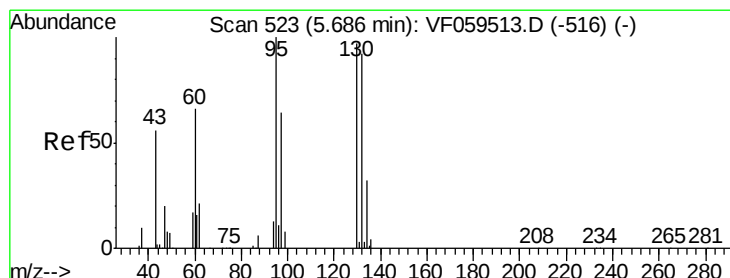
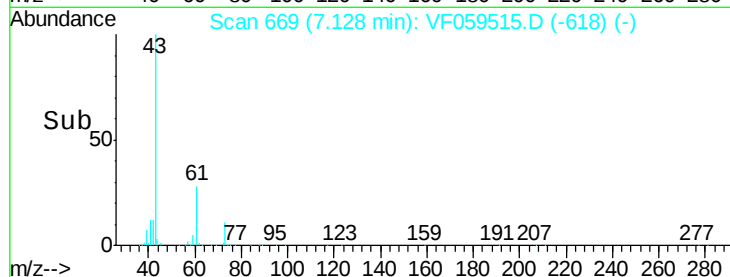
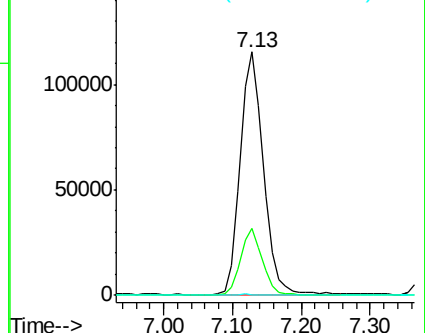
87 0.2 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 88.975 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF059515.D

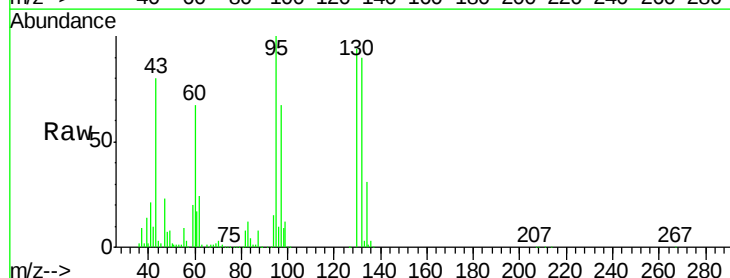
Acq: 17 Jul 2018 18:56

Tgt Ion:130 Resp: 251310

Ion Ratio Lower Upper

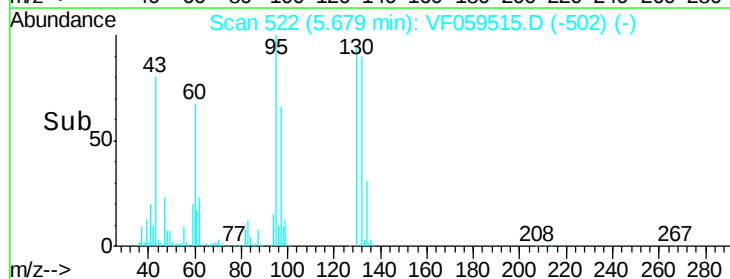
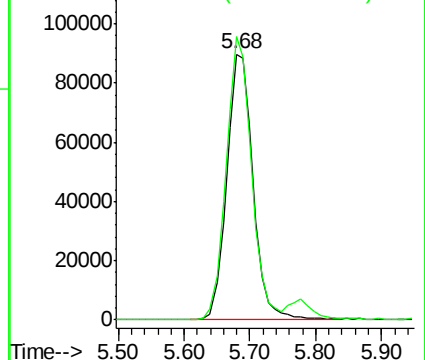
130 100

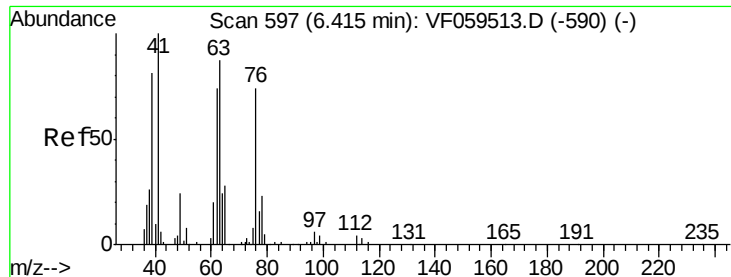
95 106.4 0.0 206.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 90.512 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

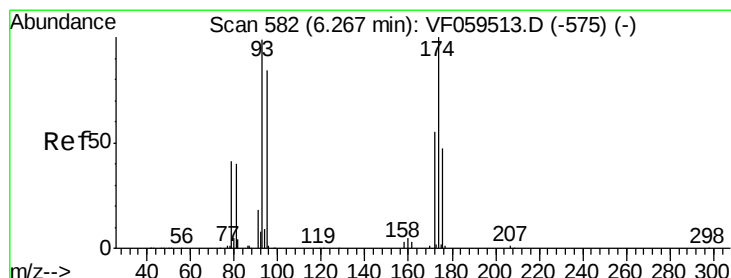
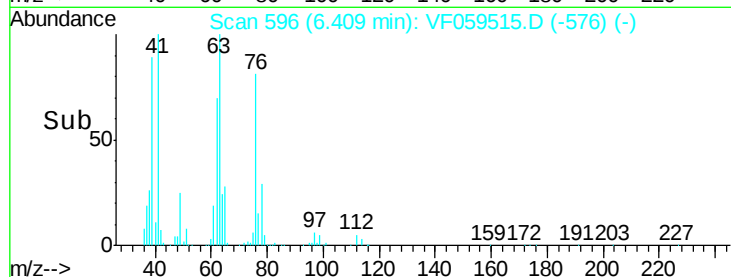
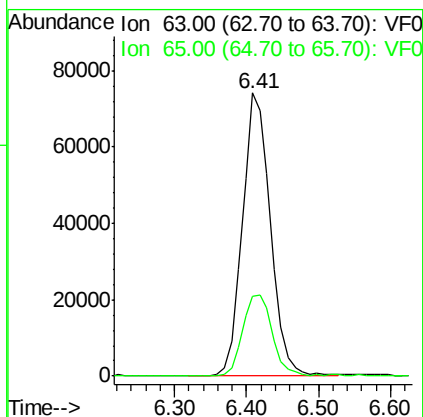
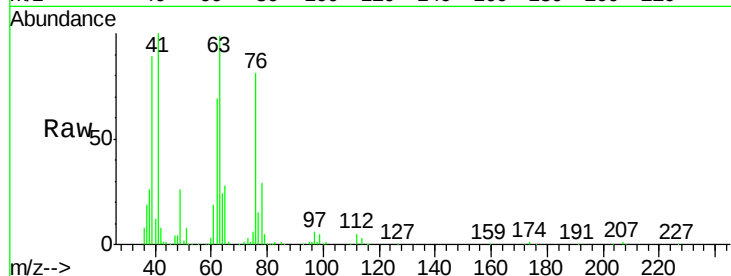
VSTDIC100

Tot Ion: 63 Resp: 201125

Ion Ratio Lower Upper

63 100

65 28.3 26.1 39.1



#46

Dibromomethane

Concen: 92.078 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

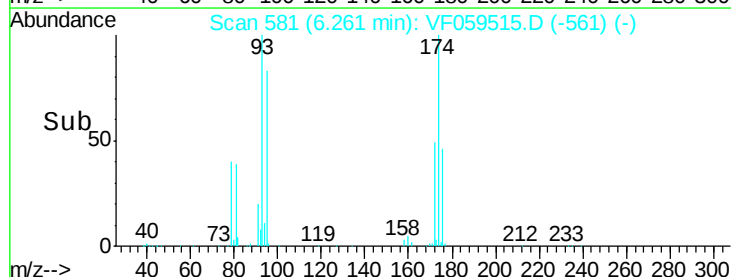
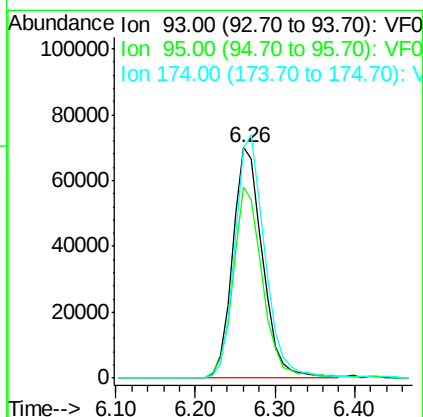
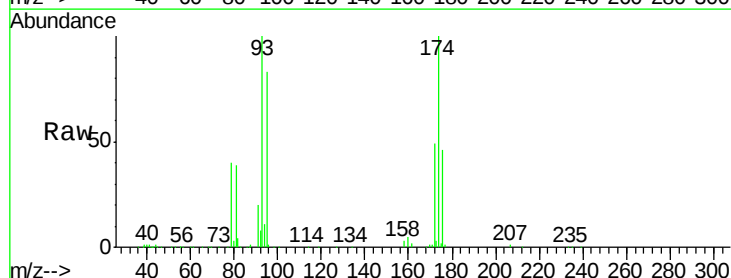
Tgt Ion: 93 Resp: 182779

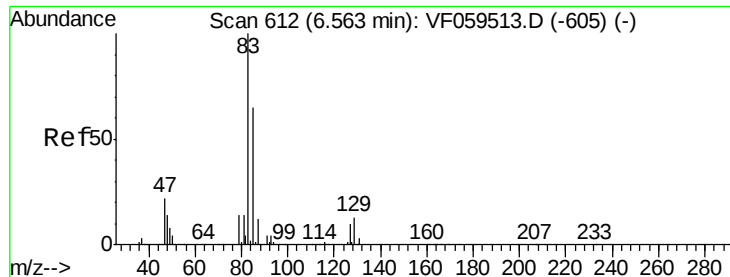
Ion Ratio Lower Upper

93 100

95 82.8 68.3 102.5

174 99.8 81.2 121.8





#47

Bromodichloromethane

Concen: 94.921 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

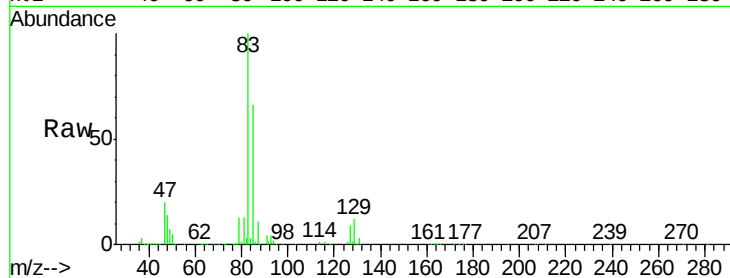
Tot Ion: 83 Resp: 481459

Ion Ratio Lower Upper

83 100

85 66.2 52.4 78.6

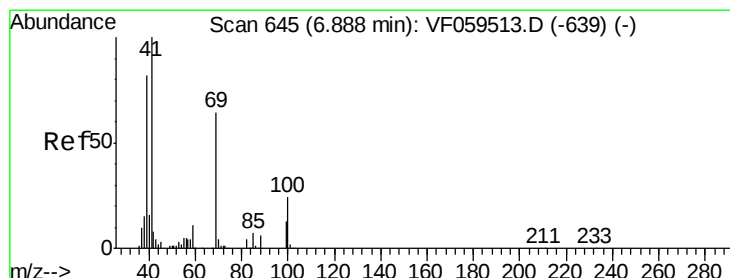
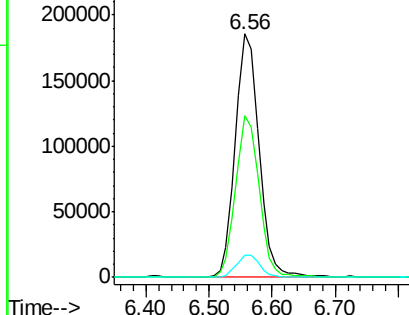
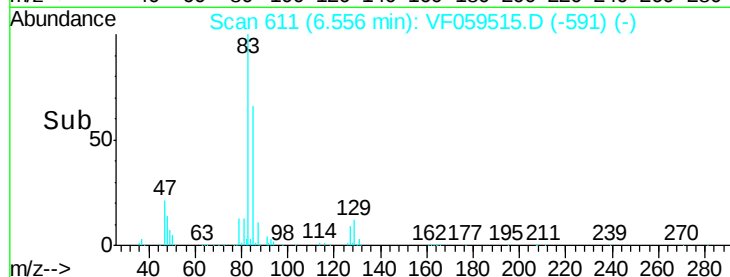
127 9.1 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 94.460 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

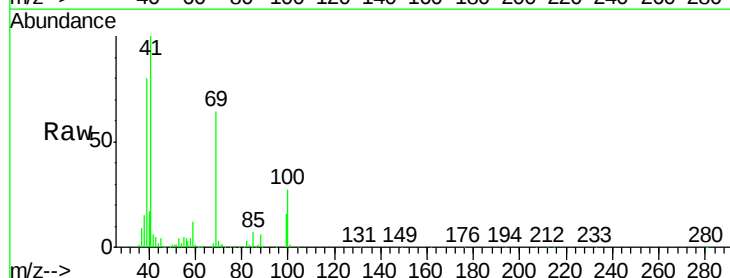
Tgt Ion: 41 Resp: 201203

Ion Ratio Lower Upper

41 100

69 64.5 51.3 76.9

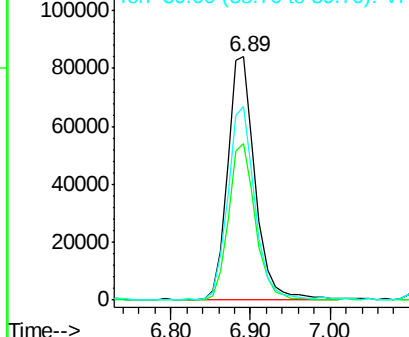
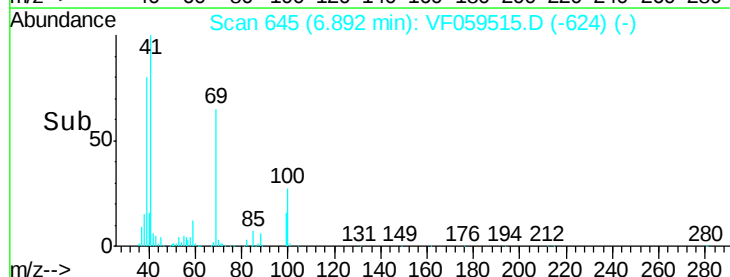
39 79.6 65.3 97.9

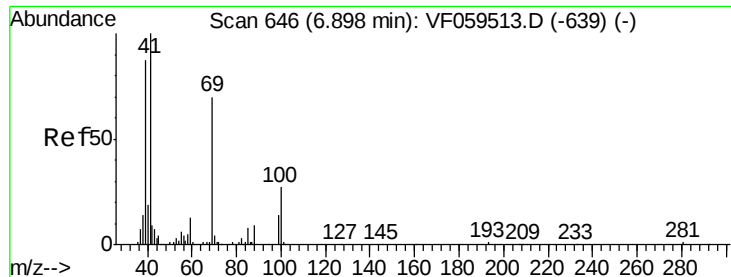


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1663.498 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.02 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

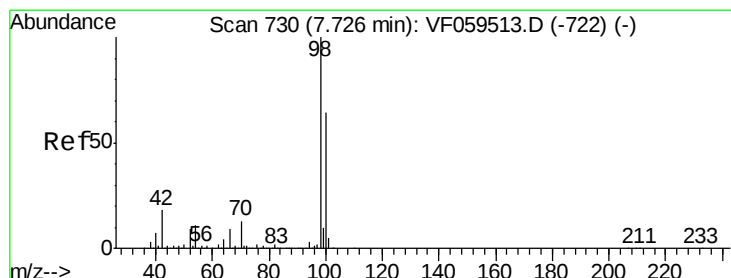
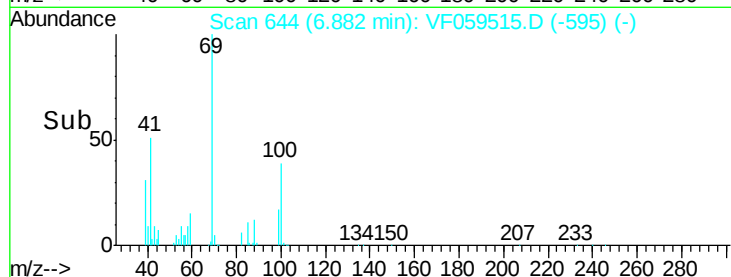
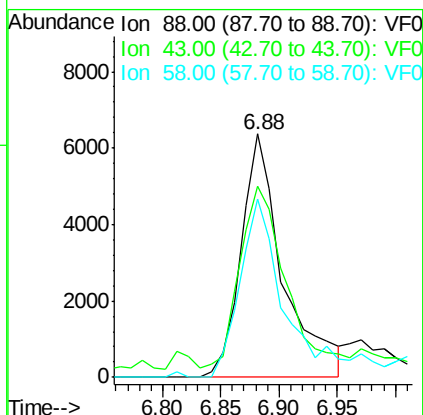
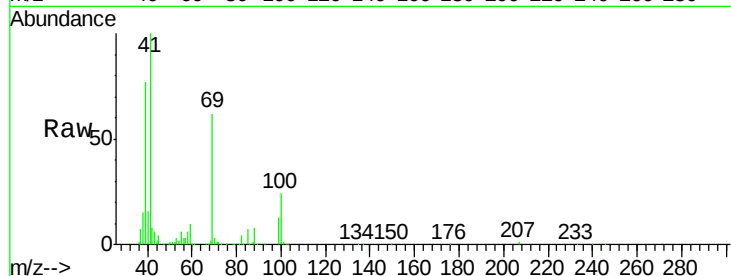
Tot Ion: 88 Resp: 16027

Ion Ratio Lower Upper

88 100

43 78.5 64.8 97.2

58 73.2 44.1 66.1#



#50

Toluene-d8

Concen: 91.787 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF059515.D

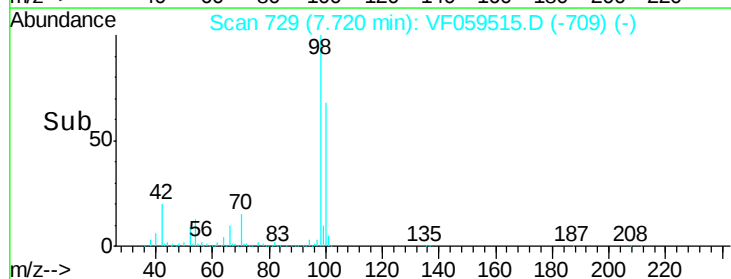
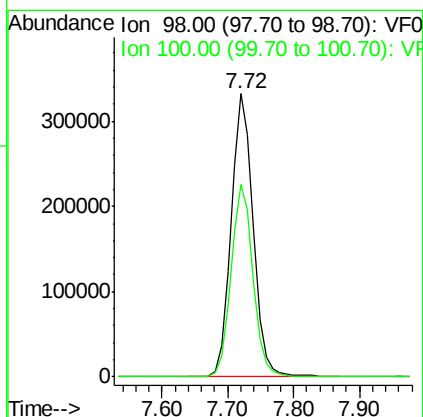
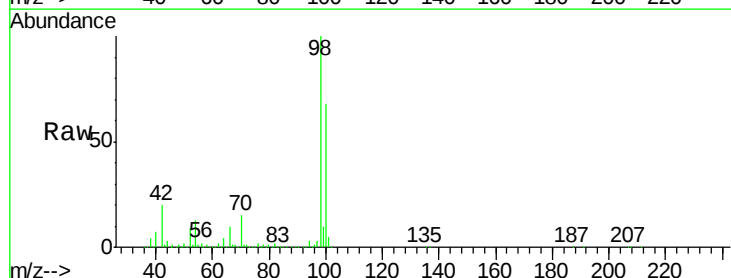
Acq: 17 Jul 2018 18:56

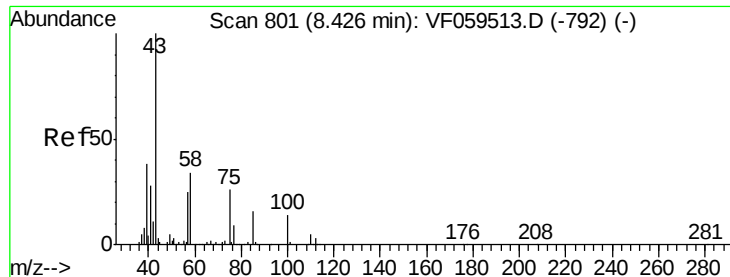
Tgt Ion: 98 Resp: 780666

Ion Ratio Lower Upper

98 100

100 68.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 421.458 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

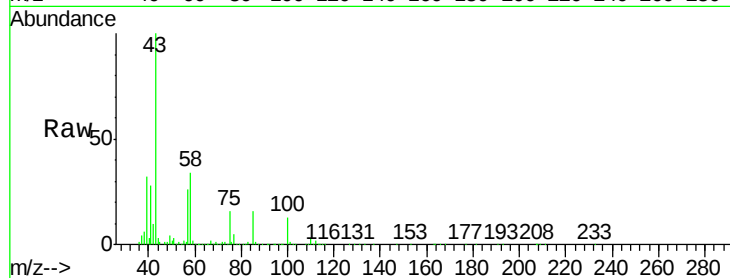
VSTDIC100

Tot Ion: 43 Resp: 873884

Ion Ratio Lower Upper

43 100

58 34.1 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

400000

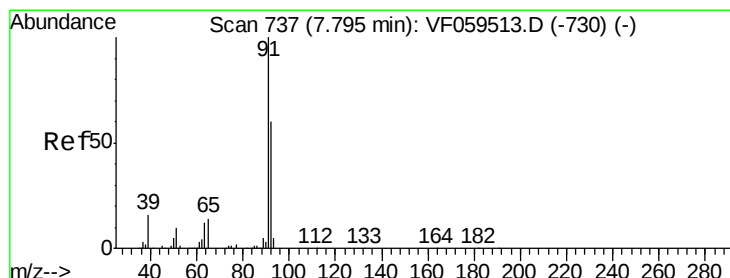
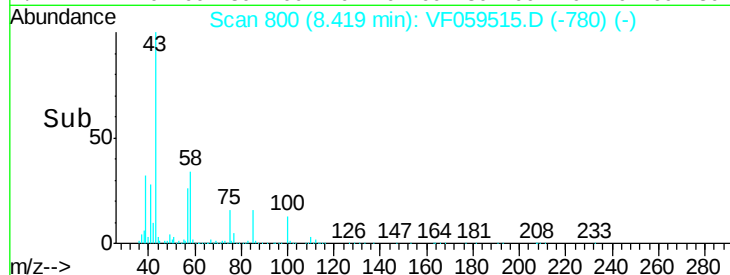
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 91.658 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059515.D

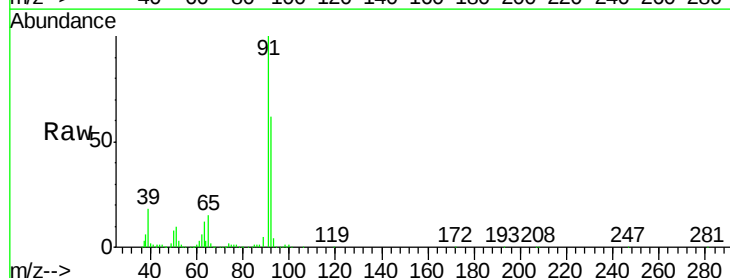
Acq: 17 Jul 2018 18:56

Tgt Ion: 92 Resp: 516418

Ion Ratio Lower Upper

92 100

91 162.4 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

400000

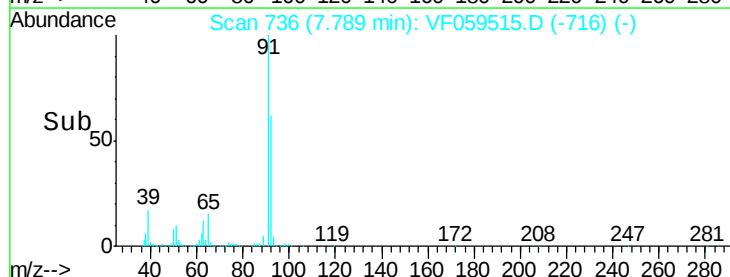
300000

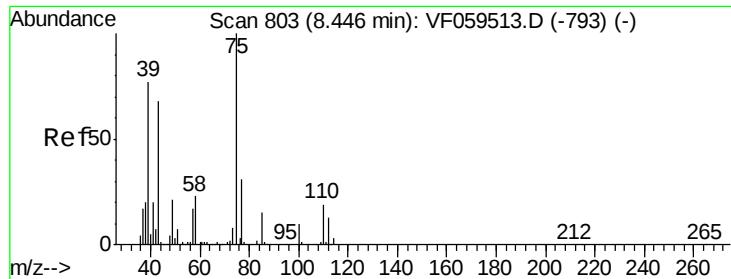
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 92.069 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

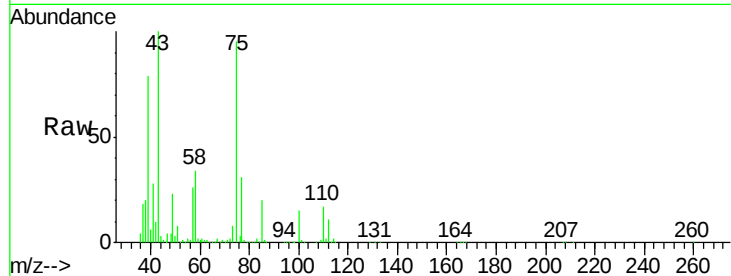
VSTDIC100

Tot Ion: 75 Resp: 412754

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

200000

150000

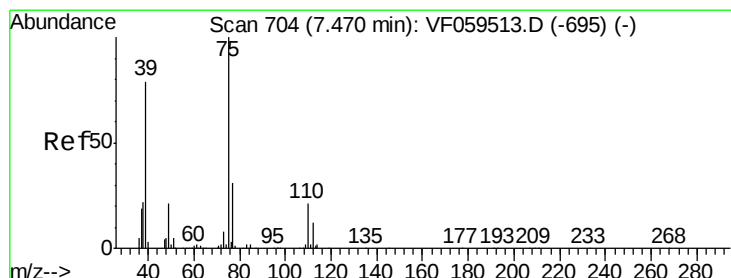
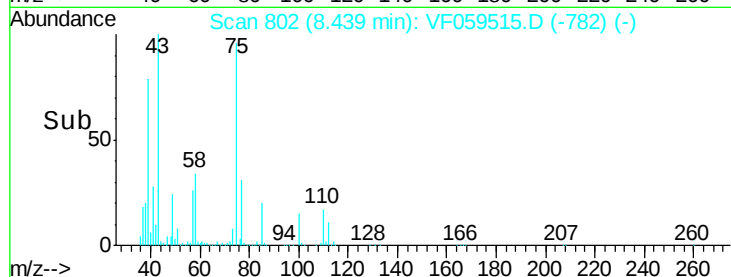
100000

50000

0

Time-->

8.20 8.40 8.60



#54

cis-1,3-Dichloropropene

Concen: 96.057 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

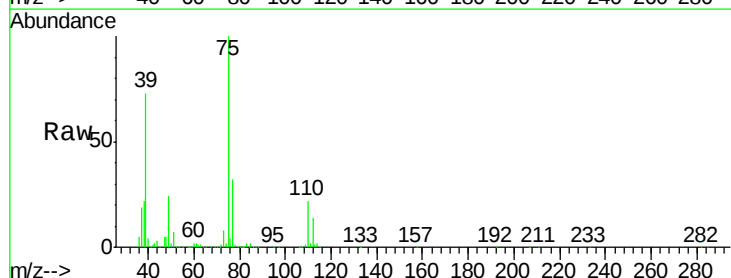
Tgt Ion: 75 Resp: 446797

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

39 73.5 63.8 95.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

250000

200000

150000

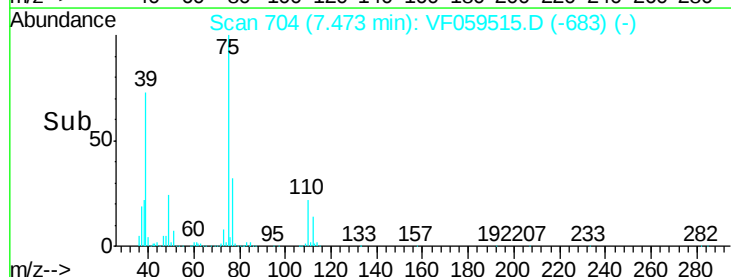
100000

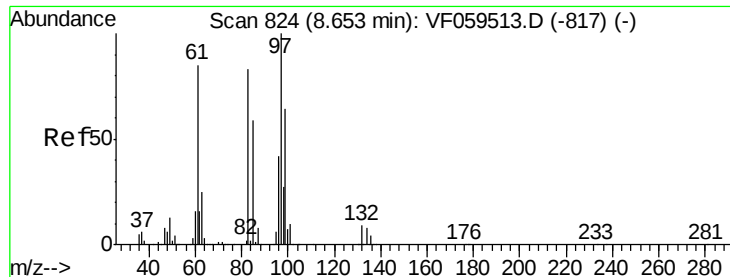
50000

0

Time-->

7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 92.003 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 206456

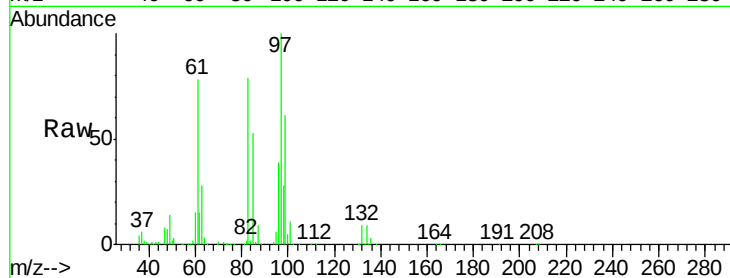
Ion Ratio Lower Upper

97 100

83 79.2 66.9 100.3

85 52.7 46.9 70.3

99 61.2 51.5 77.3

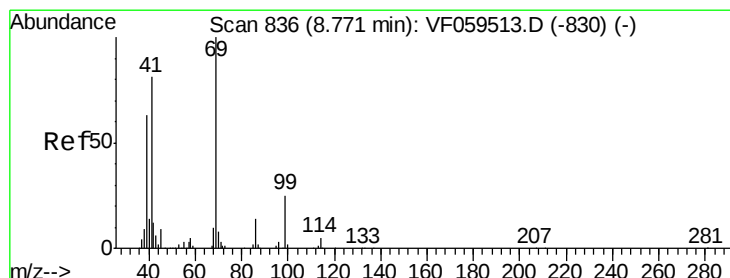
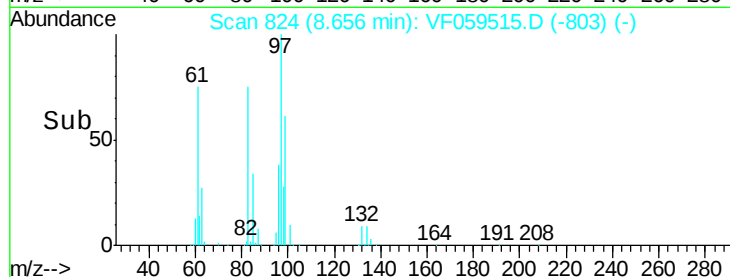
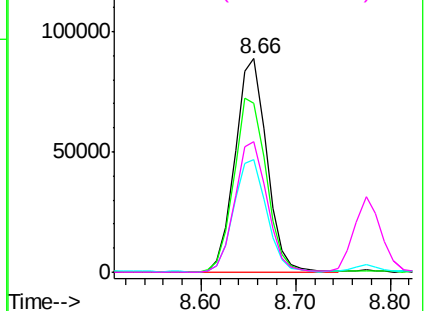


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 94.029 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

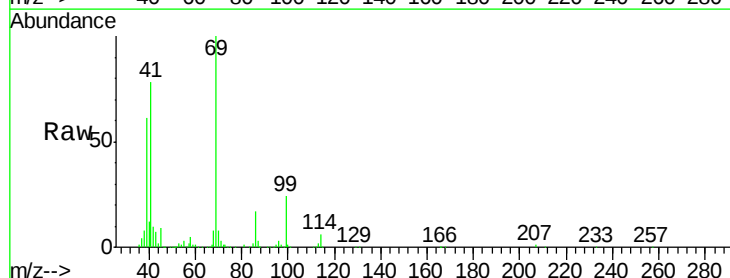
Tgt Ion: 69 Resp: 265750

Ion Ratio Lower Upper

69 100

41 78.0 65.4 98.2

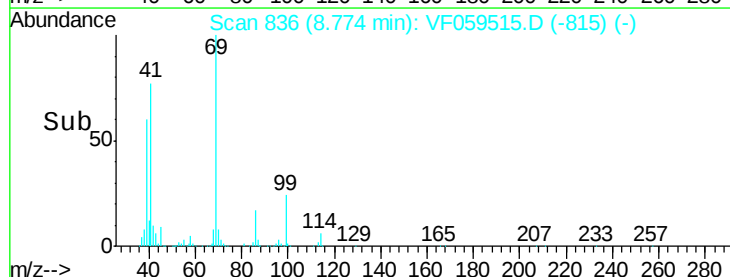
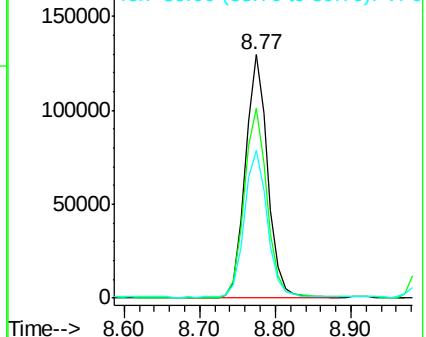
39 60.7 51.0 76.4

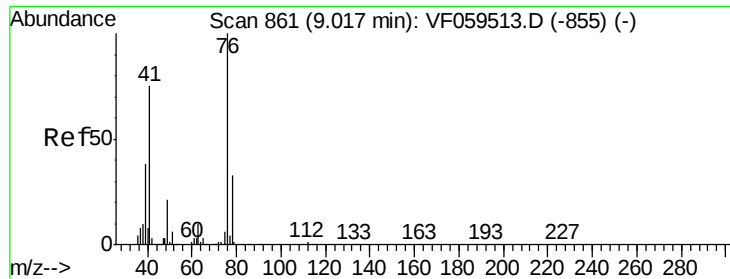


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 91.182 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

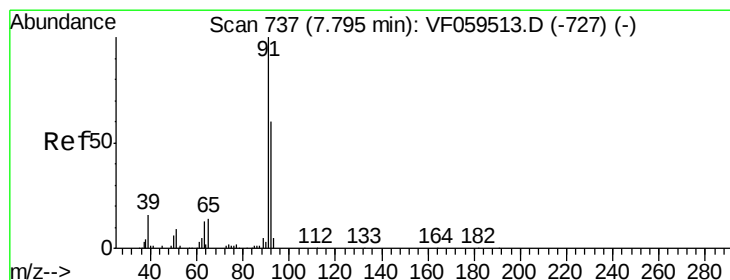
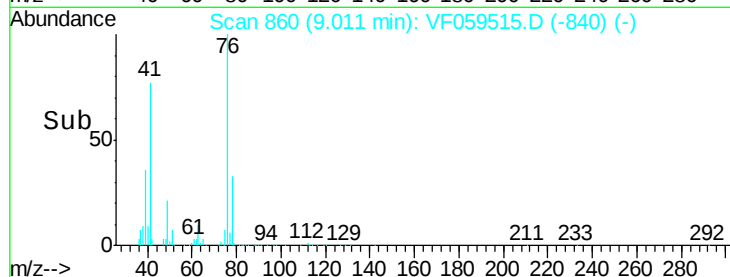
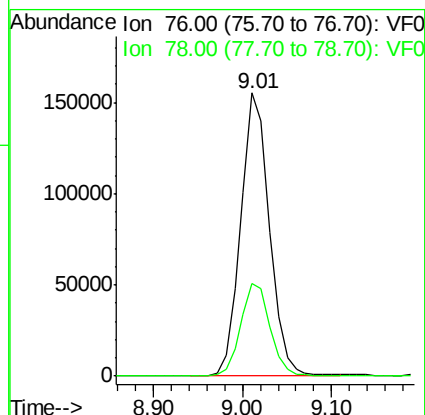
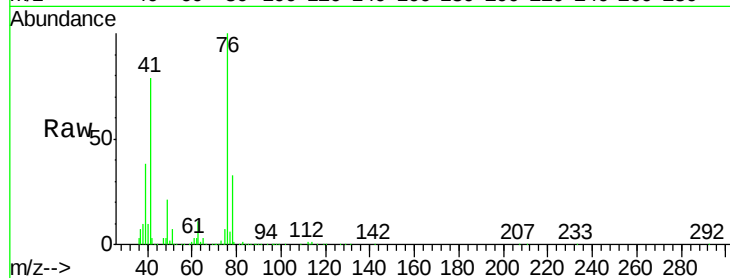
VSTDIC100

Tot Ion: 76 Resp: 348119

Ion Ratio Lower Upper

76 100

78 32.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 429.111 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059515.D

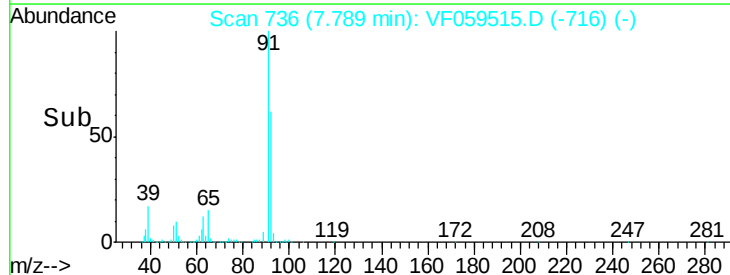
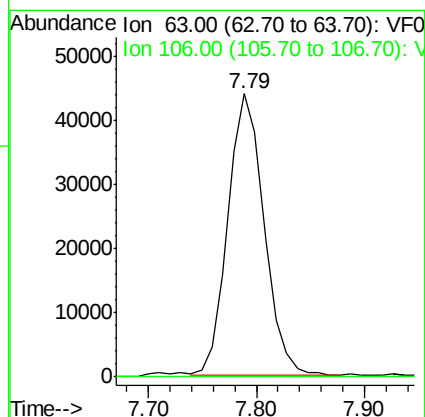
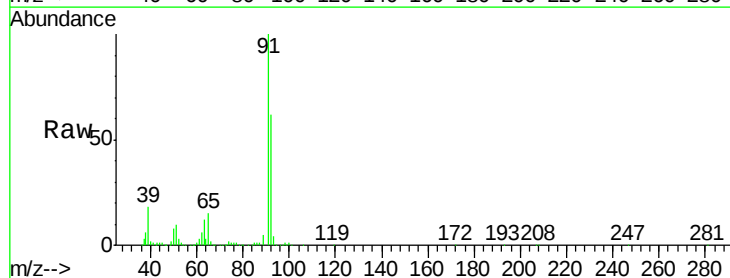
Acq: 17 Jul 2018 18:56

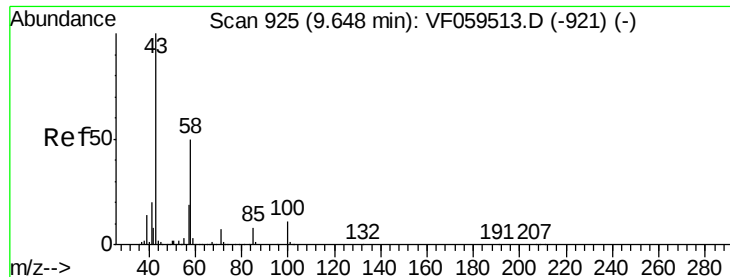
Tgt Ion: 63 Resp: 101272

Ion Ratio Lower Upper

63 100

106 0.2 0.0 0.0#

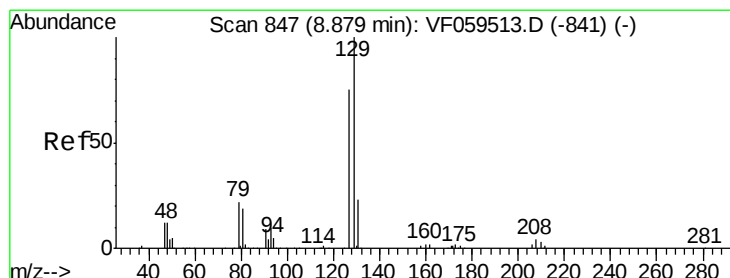
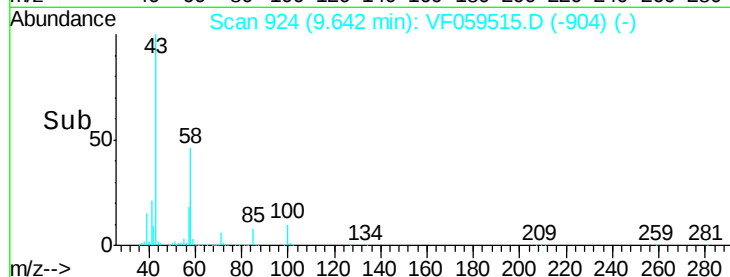
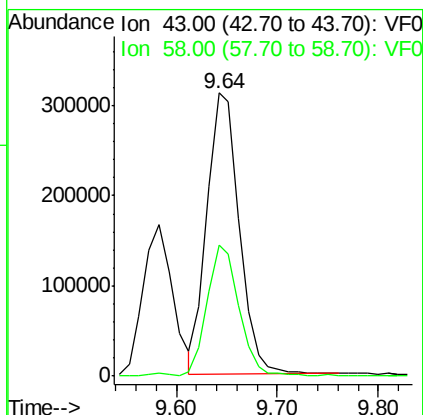
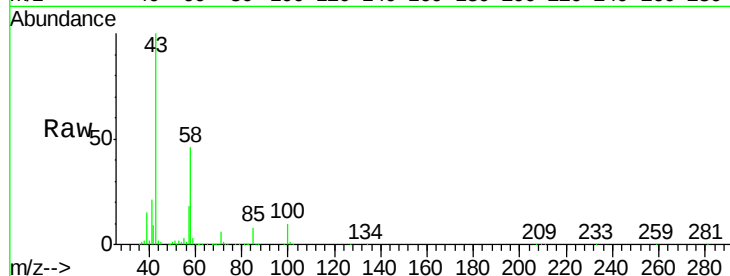




#59
2-Hexanone
Concen: 431.172 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

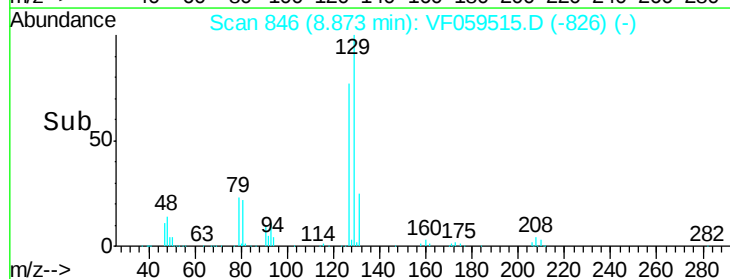
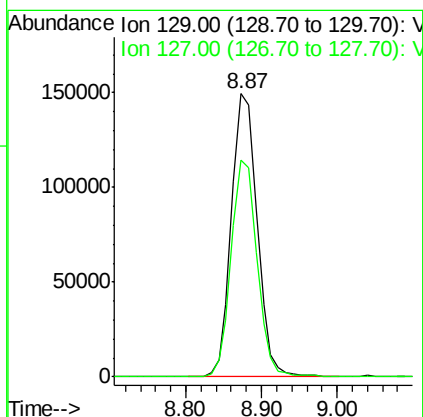
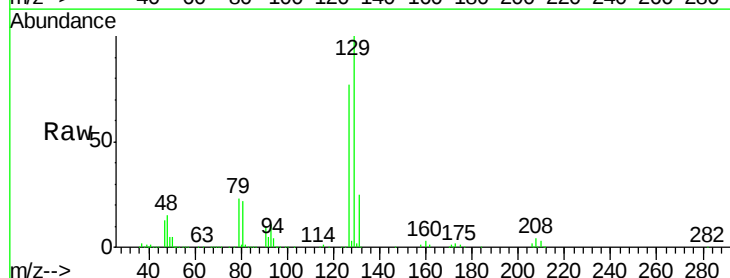
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

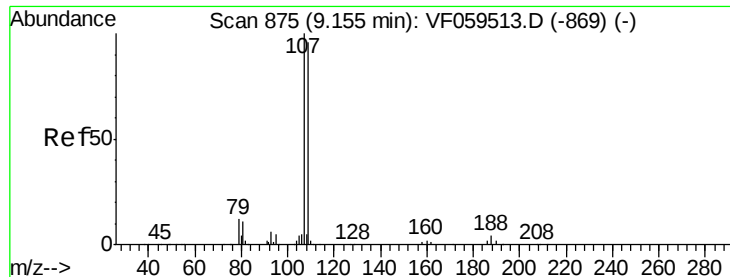
Tot Ion: 43 Resp: 701439
Ion Ratio Lower Upper
43 100
58 46.3 23.3 69.9



#60
Dibromochloromethane
Concen: 96.866 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 129 Resp: 352782
Ion Ratio Lower Upper
129 100
127 76.7 37.6 112.8





#61

1,2-Dibromoethane

Concen: 93.049 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

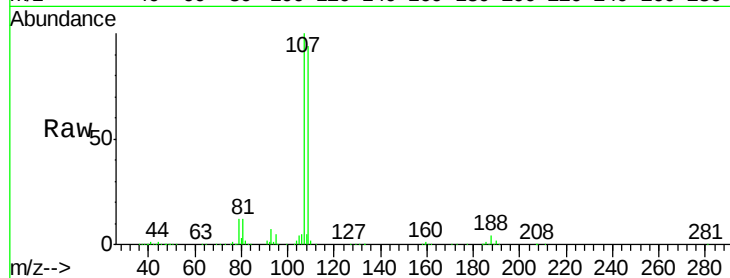
VSTDIC100

Tot Ion:107 Resp: 252716

Ion Ratio Lower Upper

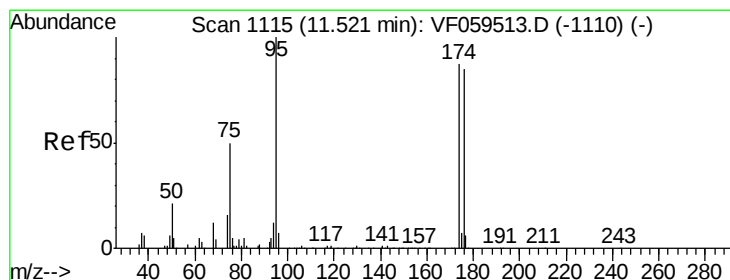
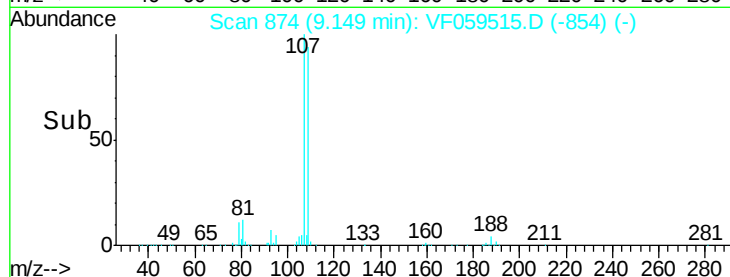
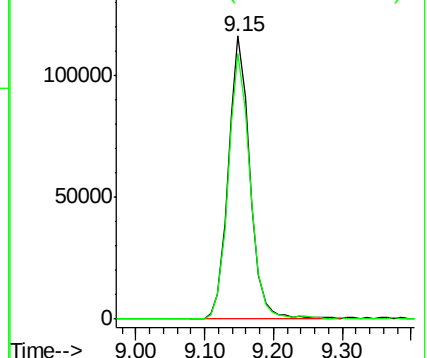
107 100

109 93.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 91.576 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

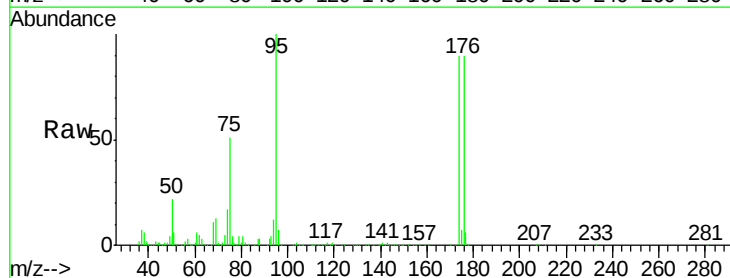
Tgt Ion: 95 Resp: 413802

Ion Ratio Lower Upper

95 100

174 90.4 0.0 174.4

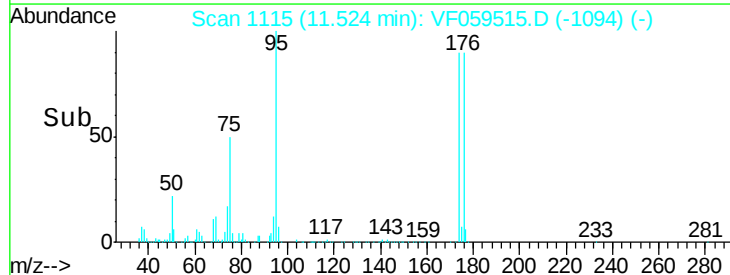
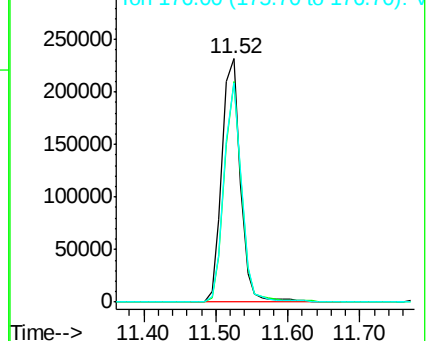
176 90.2 0.0 169.4

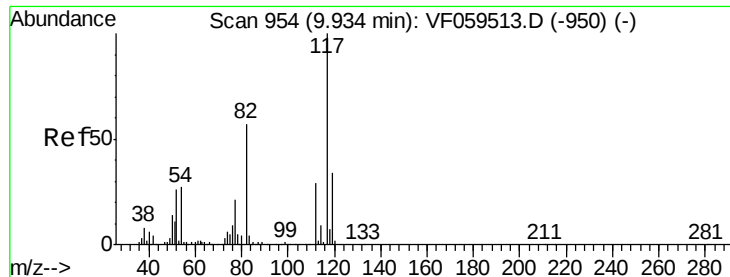


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

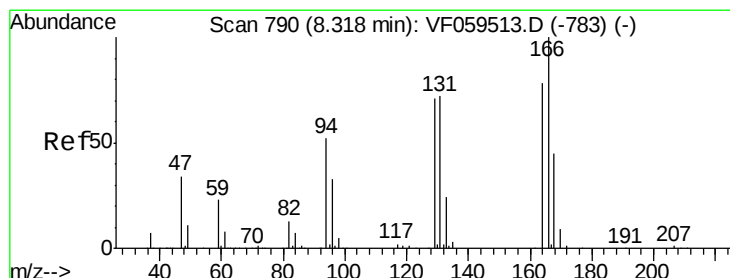
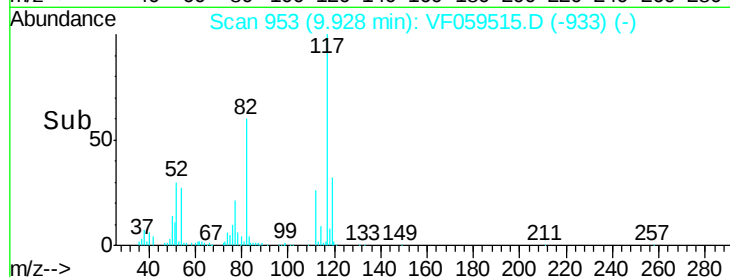
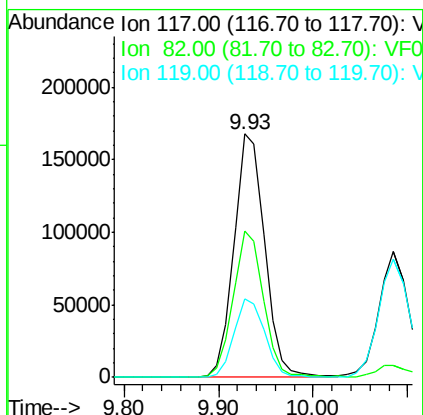
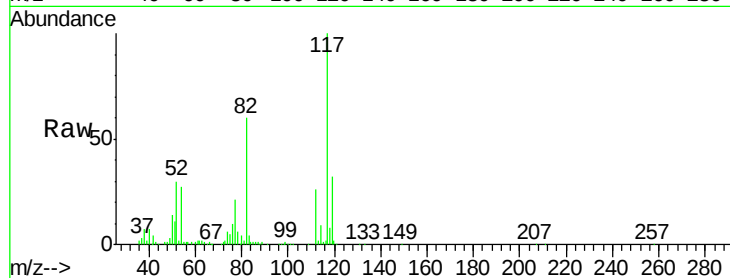




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

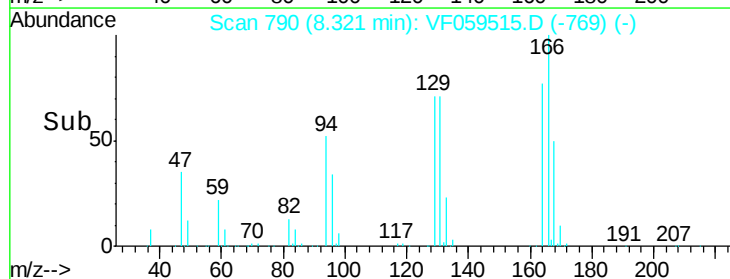
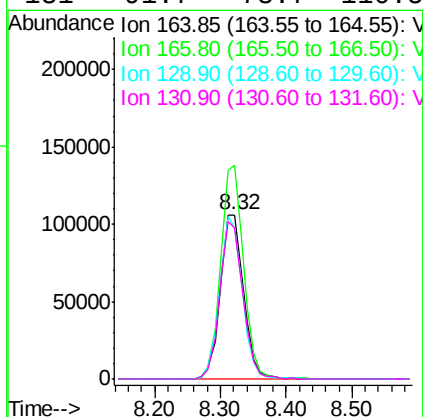
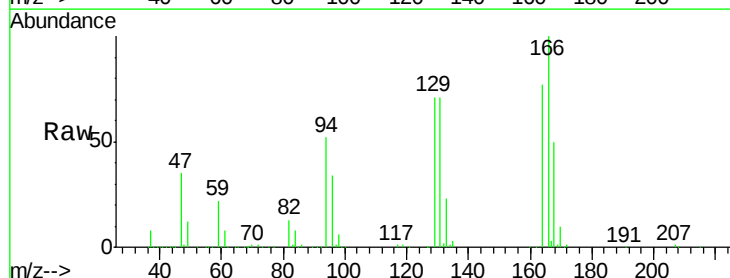
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

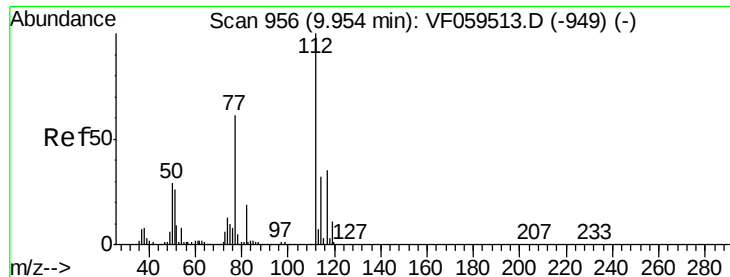
Tot Ion:117 Resp: 378217
Ion Ratio Lower Upper
117 100
82 60.3 46.1 69.1
119 32.5 27.2 40.8



#64
Tetrachloroethene
Concen: 88.107 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion:164 Resp: 262727
Ion Ratio Lower Upper
164 100
166 129.9 102.3 153.5
129 91.9 72.4 108.6
131 91.7 73.7 110.5

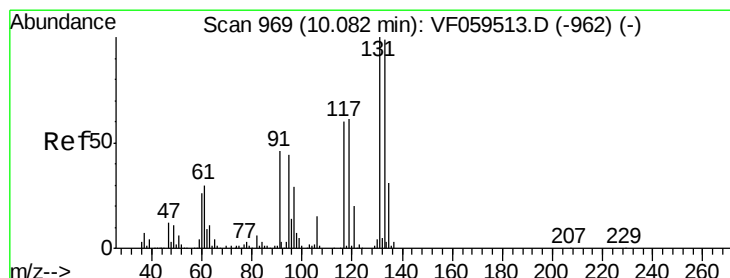
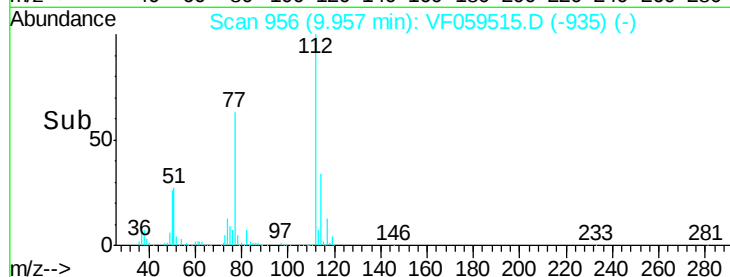
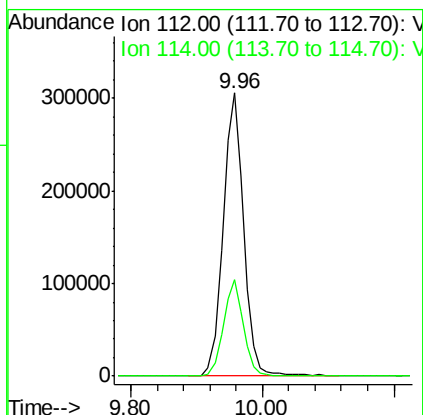
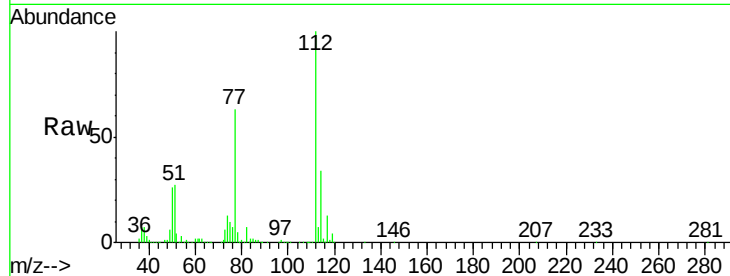




#65
Chlorobenzene
Concen: 93.203 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

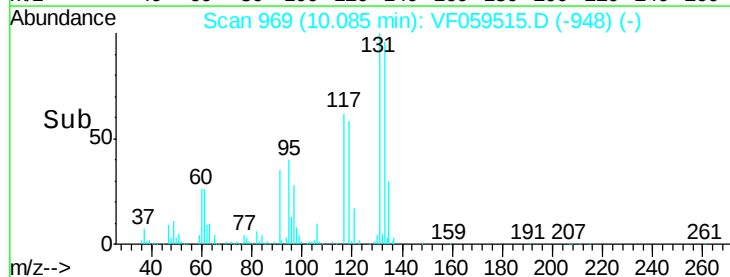
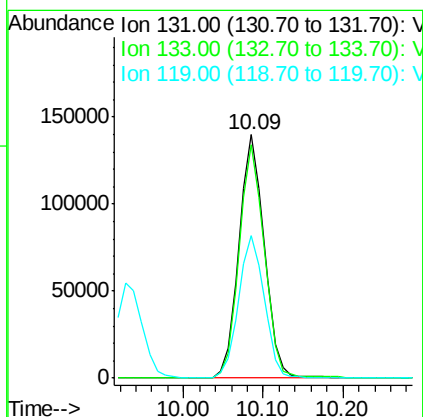
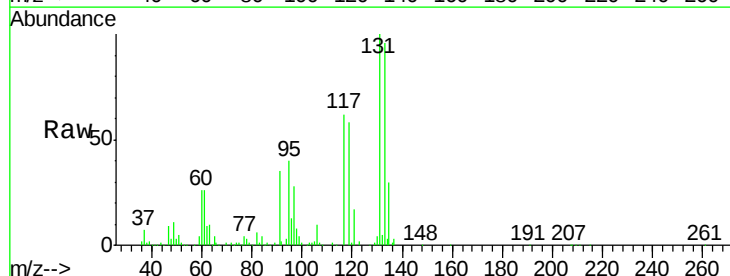
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

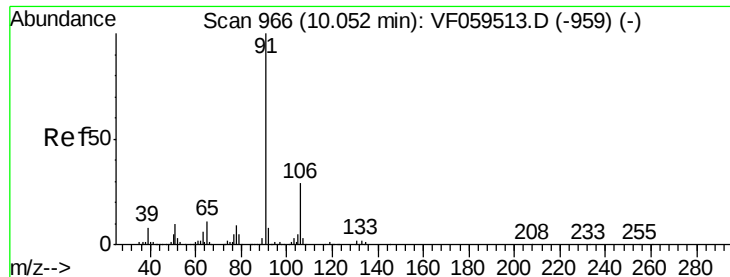
Tot Ion:112 Resp: 663040
Ion Ratio Lower Upper
112 100
114 34.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 95.736 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion:131 Resp: 308329
Ion Ratio Lower Upper
131 100
133 96.0 49.6 148.8
119 58.5 31.4 94.3

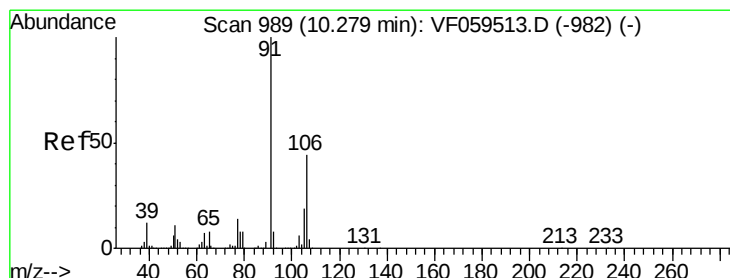
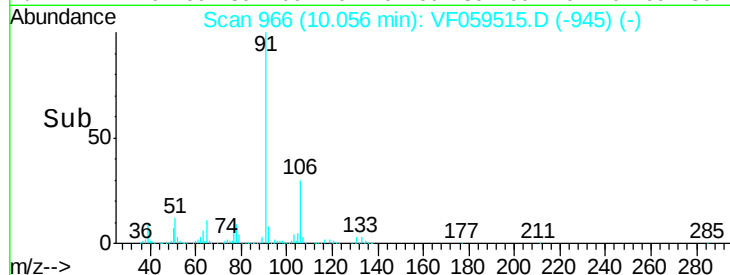
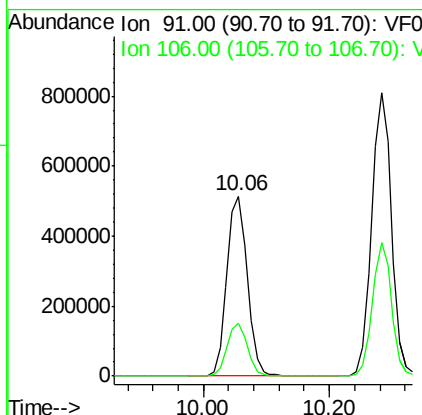
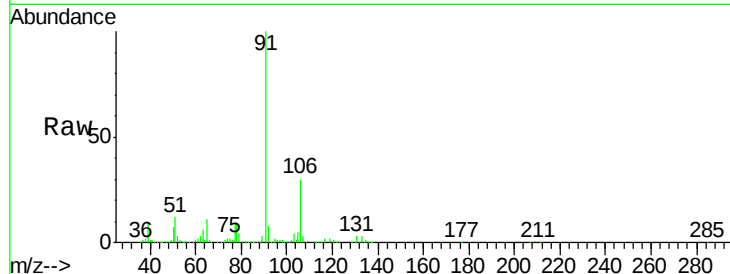




#67
Ethyl Benzene
Concen: 91.374 ug/l
RT: 10.06 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

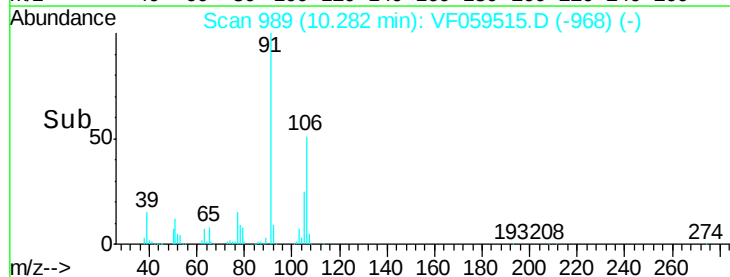
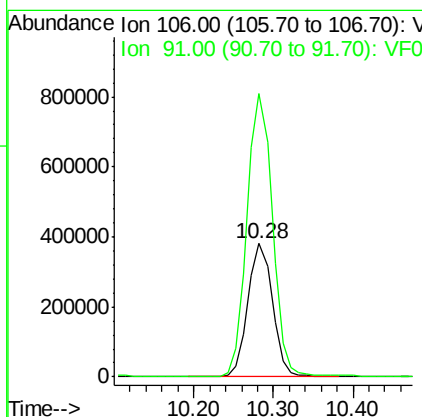
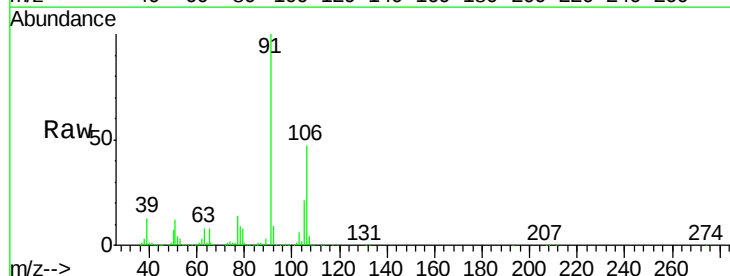
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

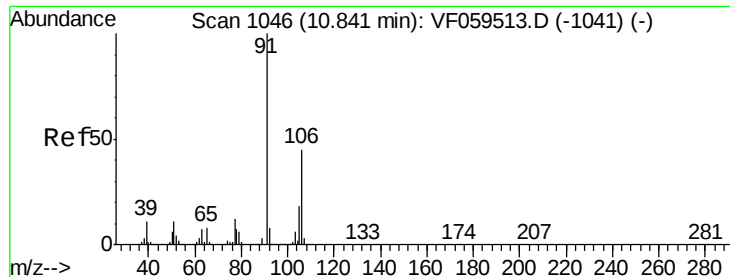
Tot Ion: 91 Resp: 1159733
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.2



#68
m/p-Xylenes
Concen: 178.329 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 106 Resp: 810710
Ion Ratio Lower Upper
106 100
91 212.2 181.0 271.4

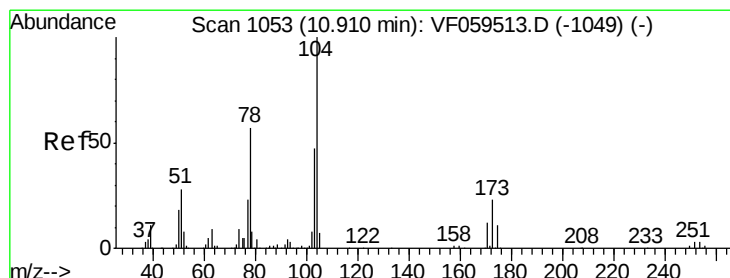
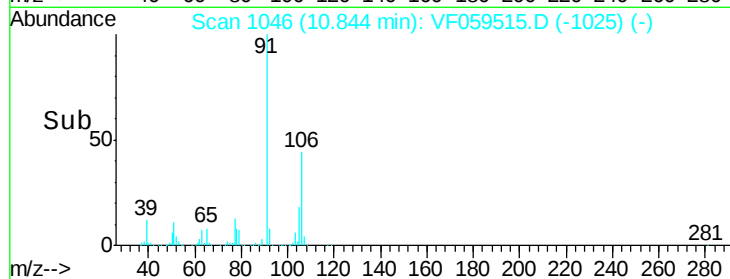
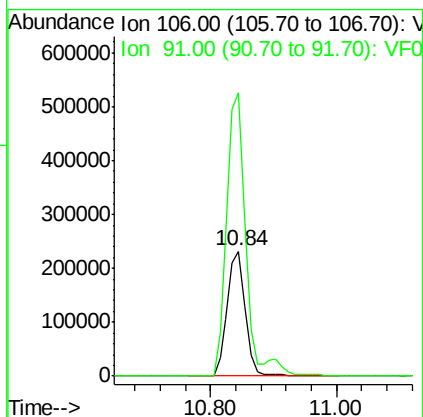
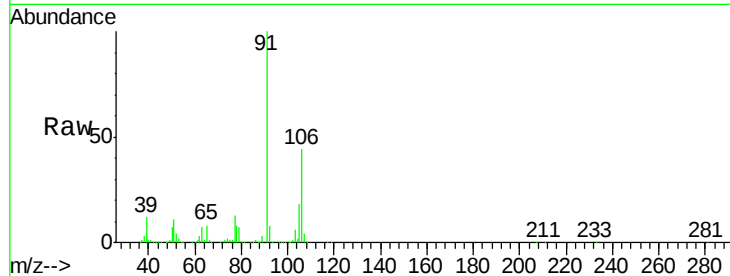




#69
o-Xylene
Concen: 97.716 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

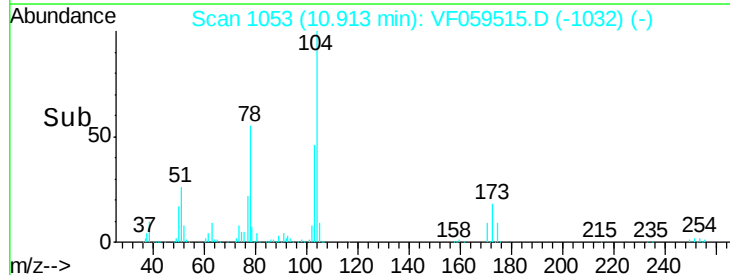
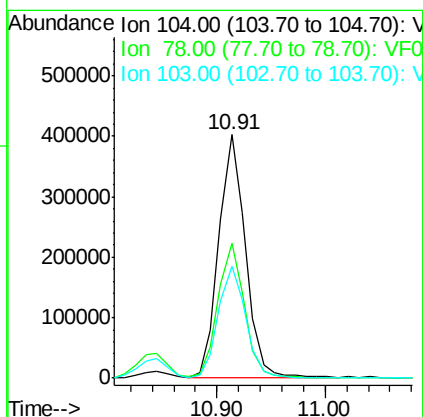
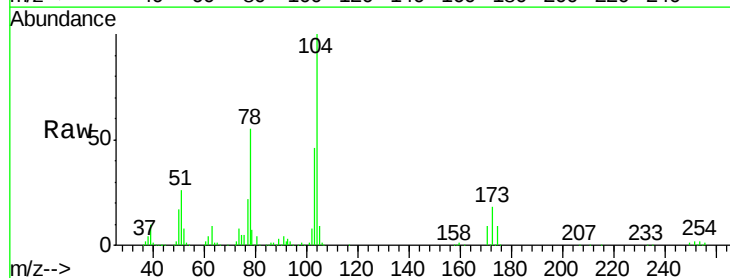
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

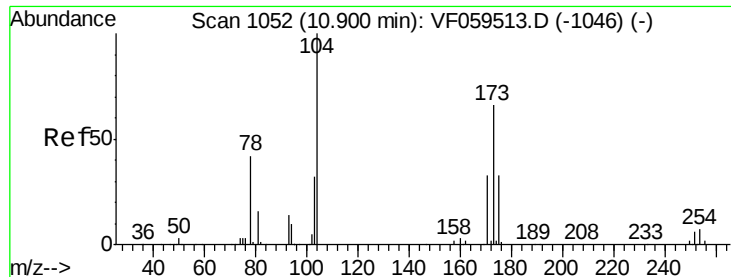
Tot Ion:106 Resp: 461640
Ion Ratio Lower Upper
106 100
91 226.3 112.3 336.9



#70
Styrene
Concen: 92.333 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion:104 Resp: 690134
Ion Ratio Lower Upper
104 100
78 55.3 45.7 68.5
103 46.0 38.1 57.1





#71

Bromoform

Concen: 96.488 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

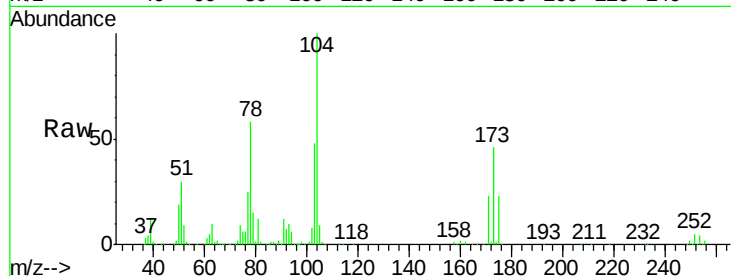
Tot Ion:173 Resp: 226570

Ion Ratio Lower Upper

173 100

175 49.6 25.3 75.8

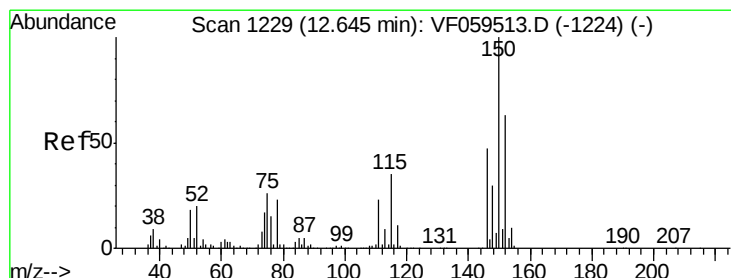
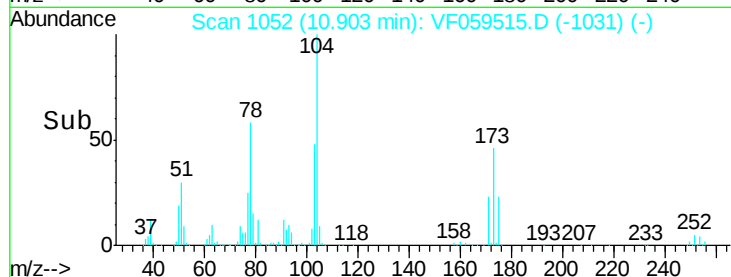
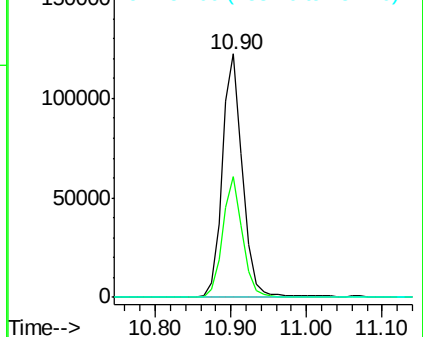
254 0.2 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

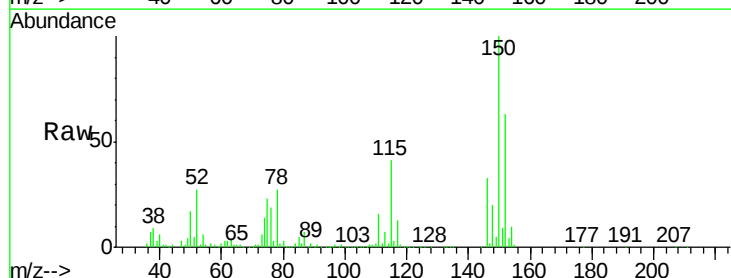
Tgt Ion:152 Resp: 228190

Ion Ratio Lower Upper

152 100

115 64.6 27.8 83.3

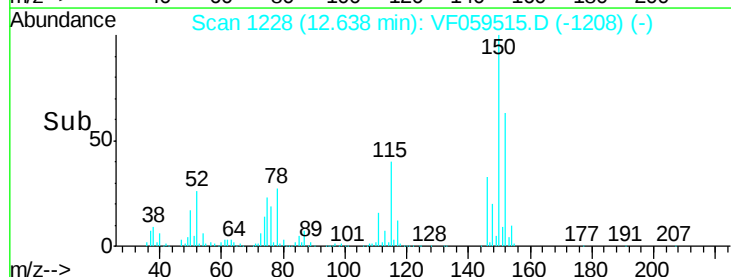
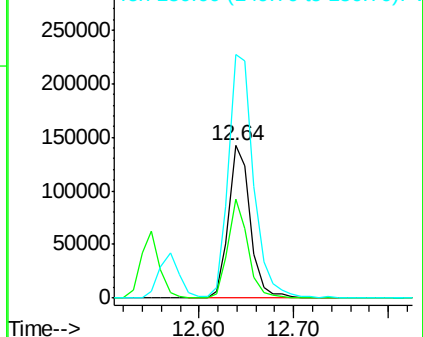
150 159.5 0.0 318.4

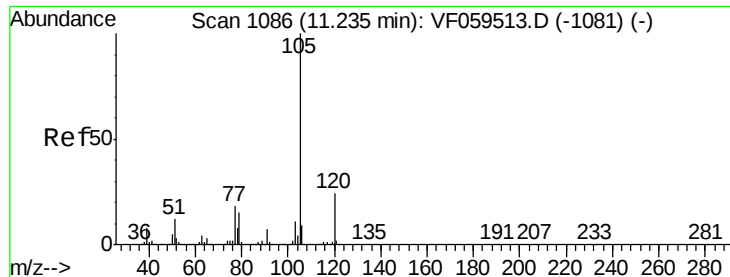


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 89.092 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

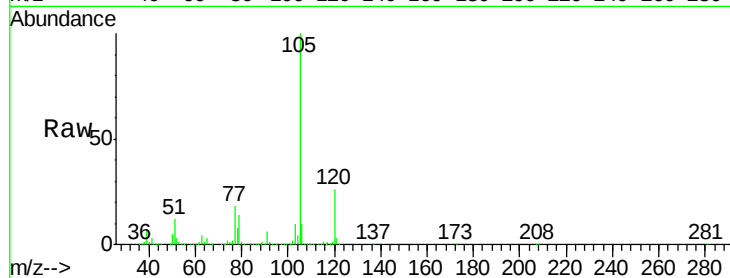
VSTDIC100

Tot Ion:105 Resp: 1296883

Ion Ratio Lower Upper

105 100

120 26.2 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

800000

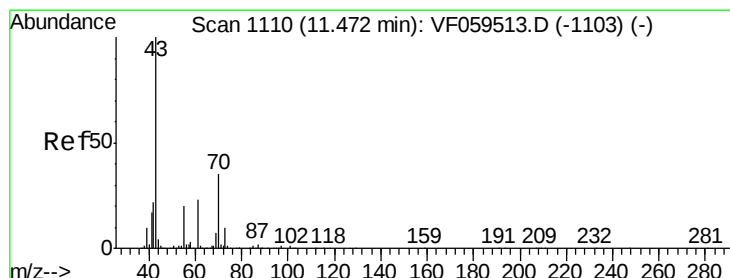
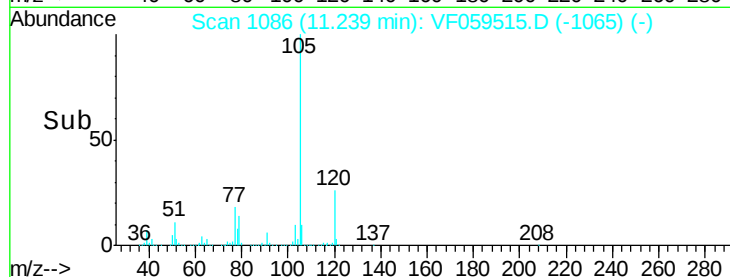
600000

400000

200000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 83.633 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion: 43 Resp: 432037

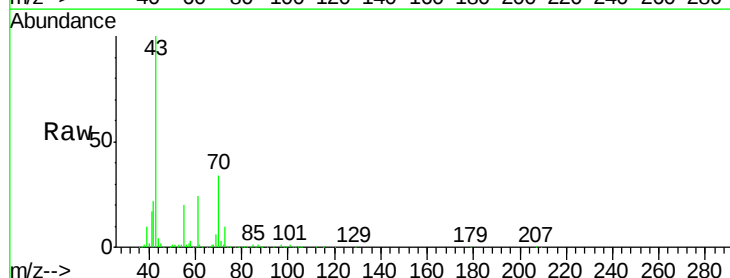
Ion Ratio Lower Upper

43 100

70 34.4 27.9 41.9

55 20.4 16.2 24.2

61 24.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

400000

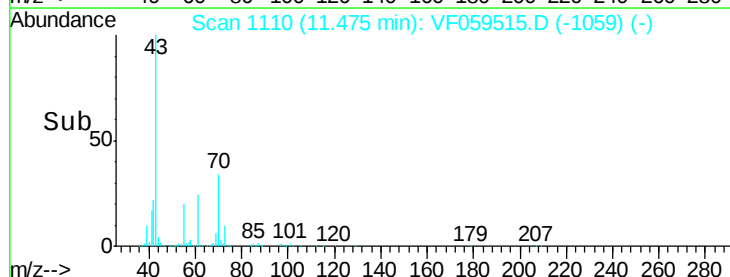
300000

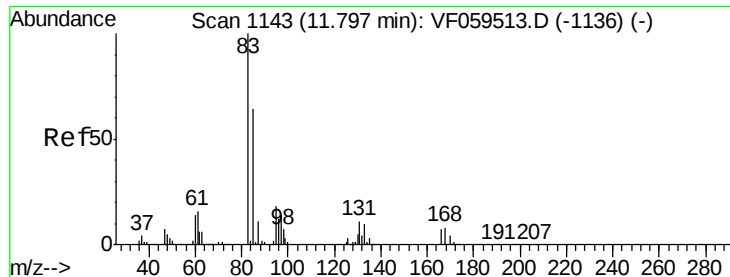
200000

100000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 87.048 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

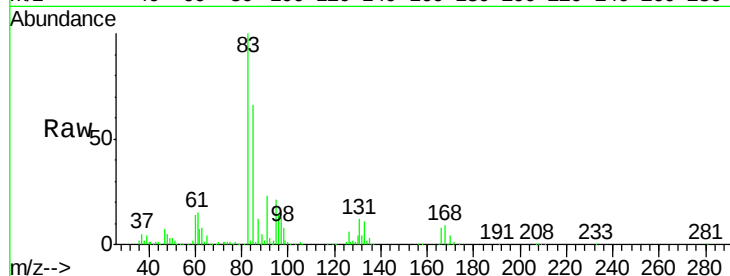
Tot Ion: 83 Resp: 277872

Ion Ratio Lower Upper

83 100

131 12.5 5.7 17.1

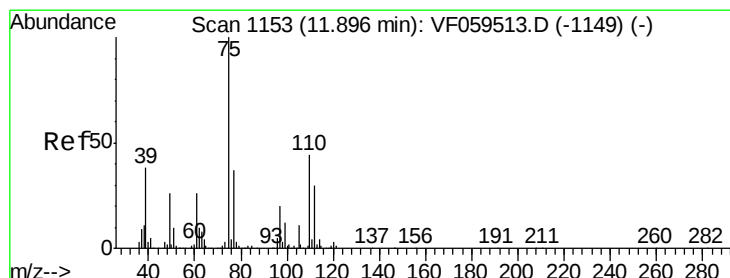
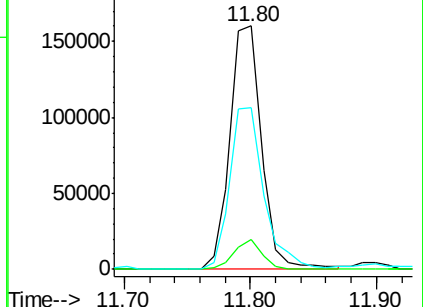
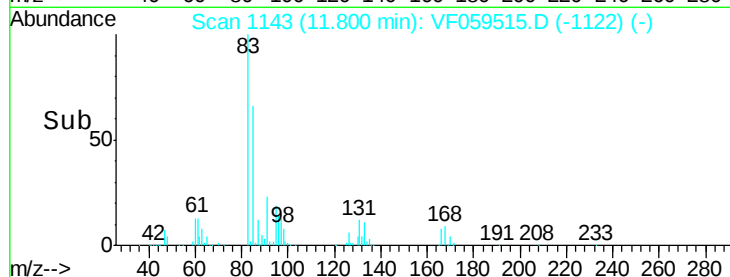
85 66.2 31.9 95.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 88.757 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059515.D

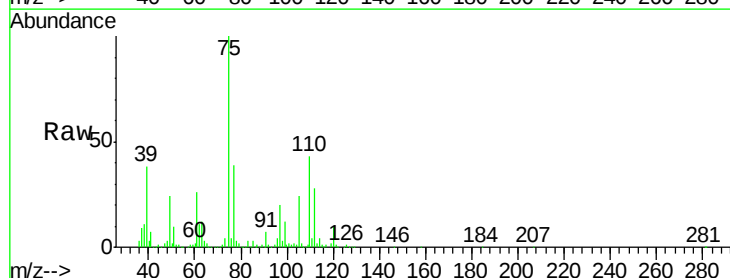
Acq: 17 Jul 2018 18:56

Tgt Ion: 75 Resp: 233603

Ion Ratio Lower Upper

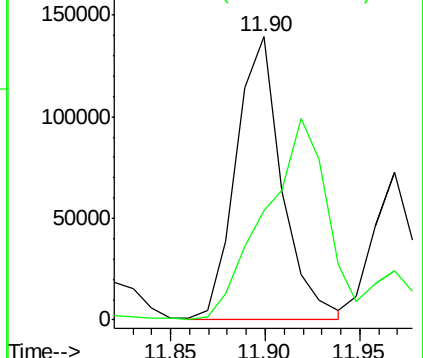
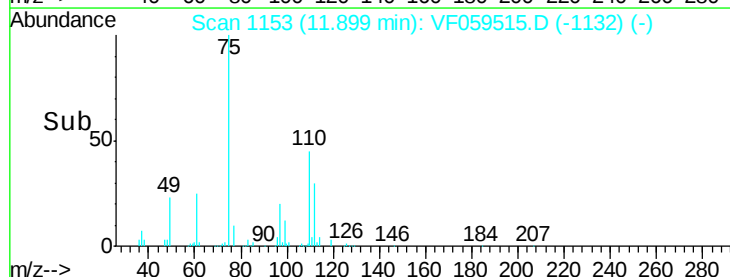
75 100

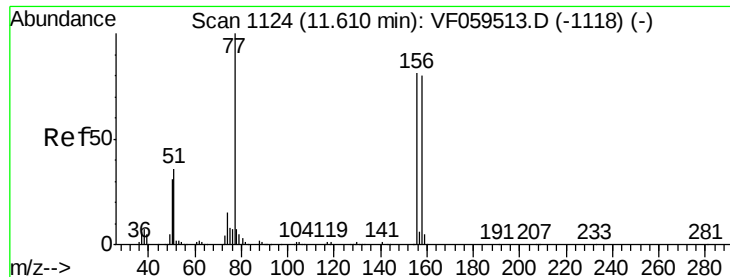
77 38.7 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 85.793 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

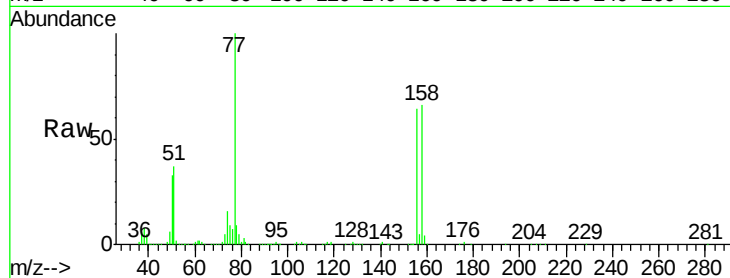
Tot Ion:156 Resp: 351912

Ion Ratio Lower Upper

156 100

77 156.7 62.0 186.0

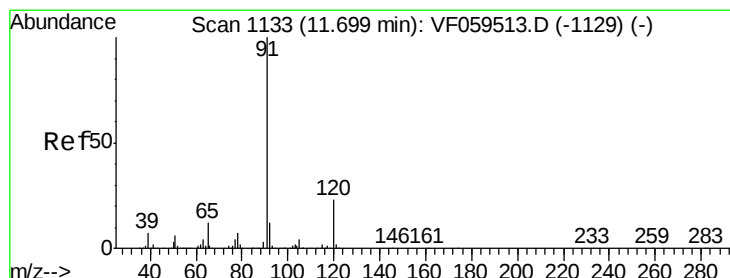
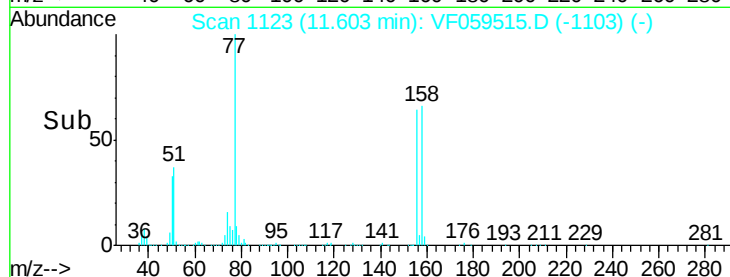
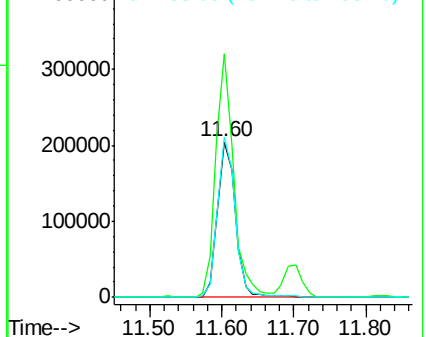
158 103.5 49.8 149.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 87.403 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059515.D

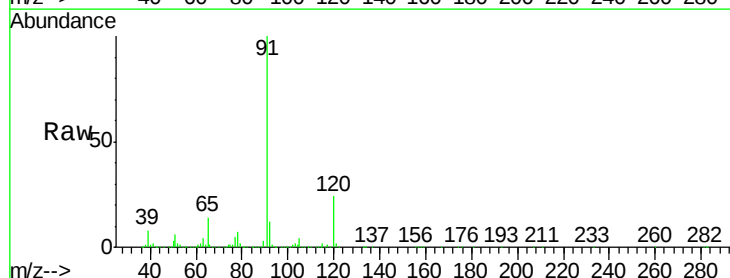
Acq: 17 Jul 2018 18:56

Tgt Ion: 91 Resp: 1473007

Ion Ratio Lower Upper

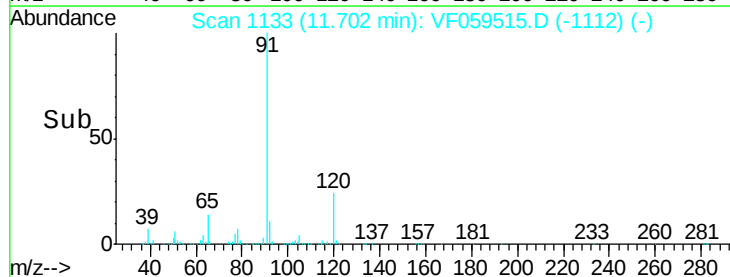
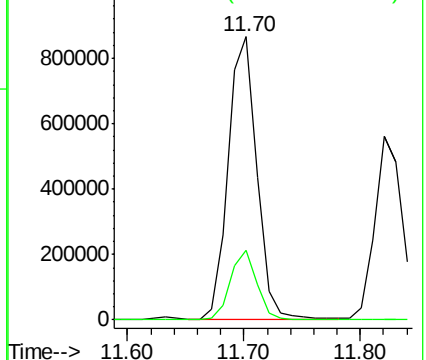
91 100

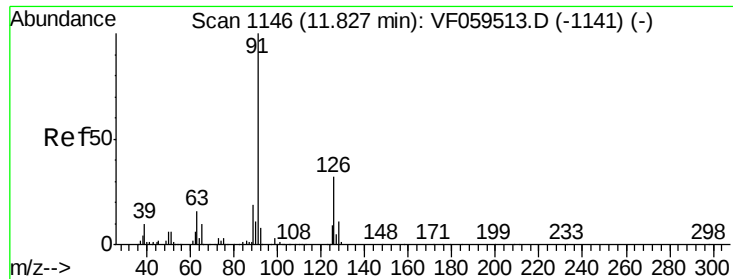
120 24.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 88.447 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

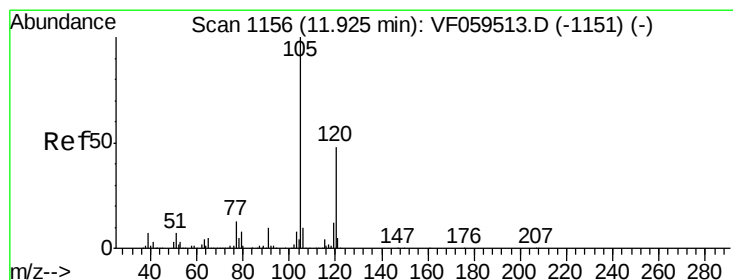
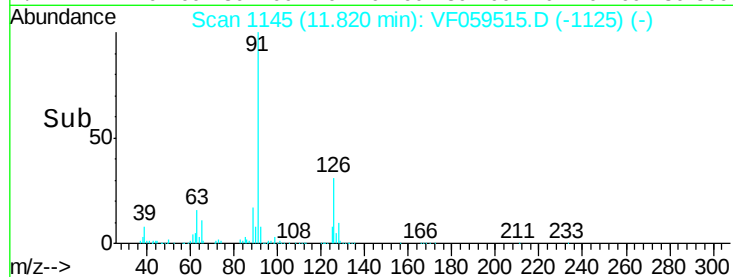
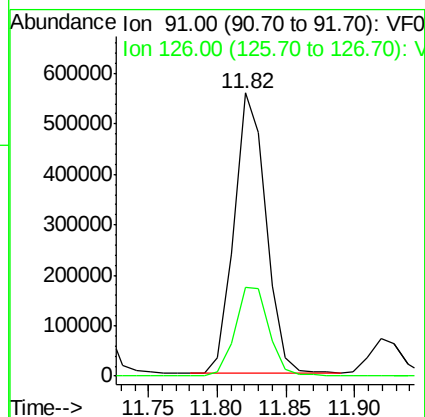
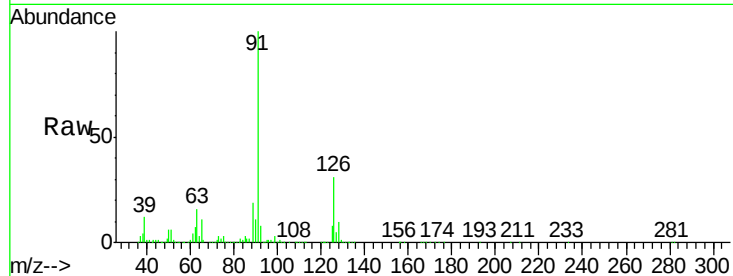
VSTDIC100

Tot Ion: 91 Resp: 900895

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 87.727 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059515.D

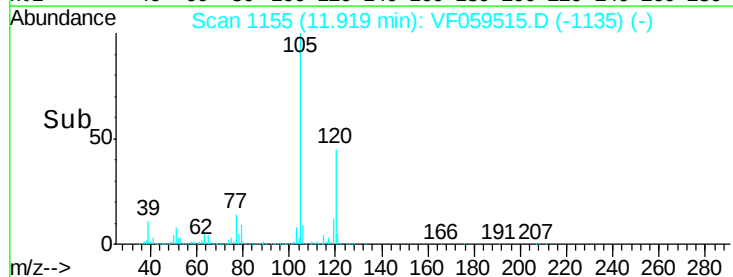
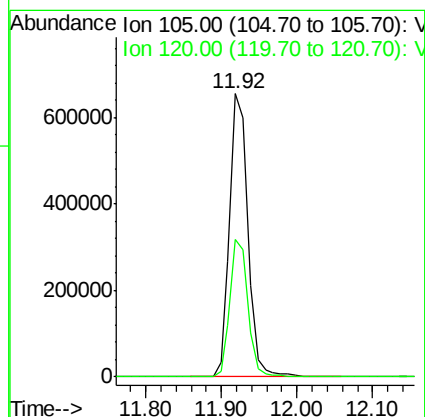
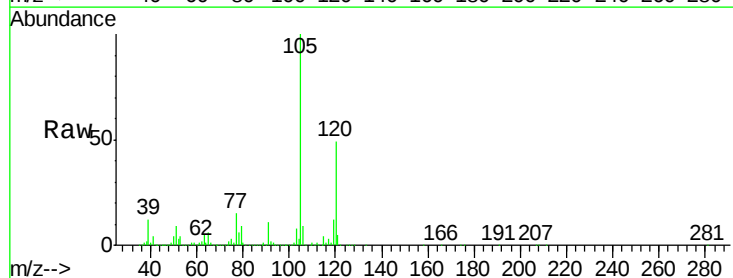
Acq: 17 Jul 2018 18:56

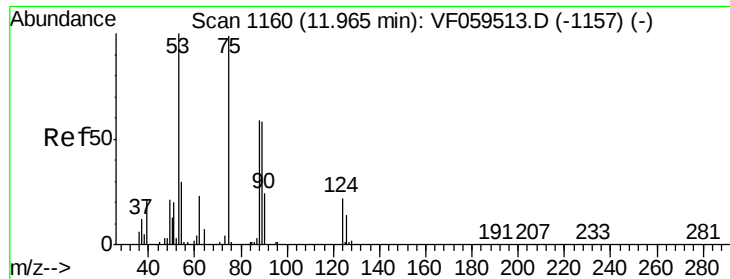
Tgt Ion:105 Resp: 1097921

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 116.375 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

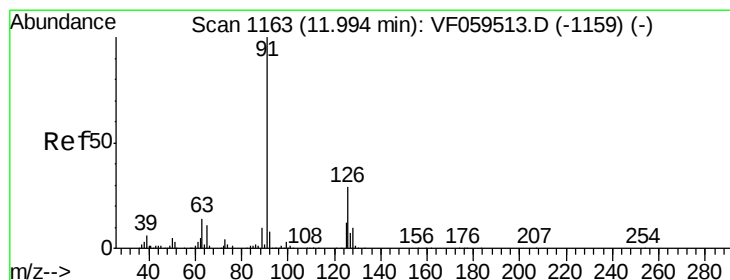
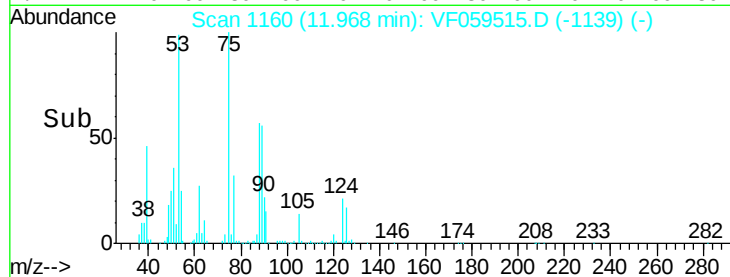
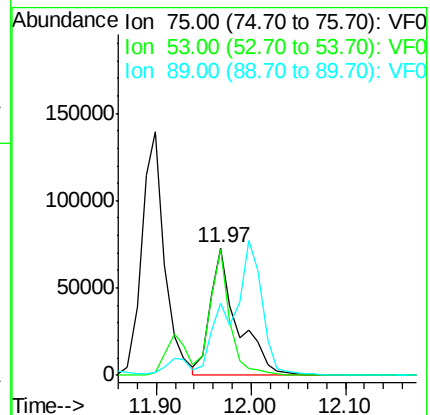
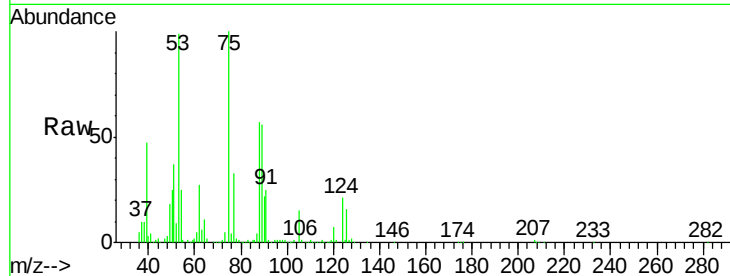
Tot Ion: 75 Resp: 145219

Ion Ratio Lower Upper

75 100

53 98.7 84.6 127.0

89 56.4 48.2 72.4



#82

4-Chlorotoluene

Concen: 85.787 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059515.D

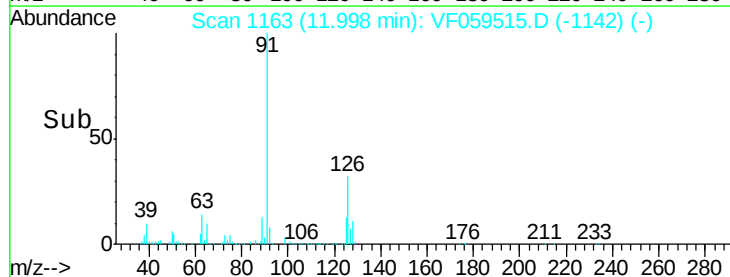
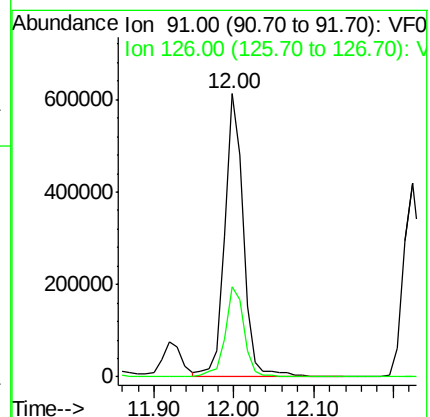
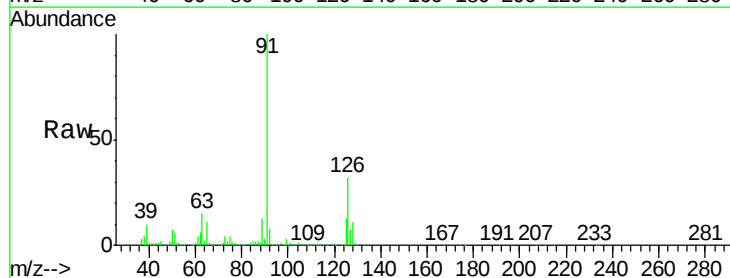
Acq: 17 Jul 2018 18:56

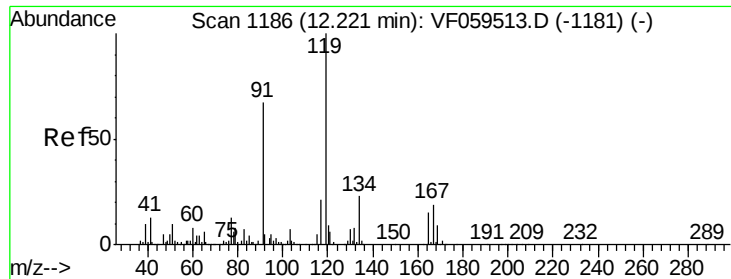
Tgt Ion: 91 Resp: 1012428

Ion Ratio Lower Upper

91 100

126 31.8 14.4 43.4

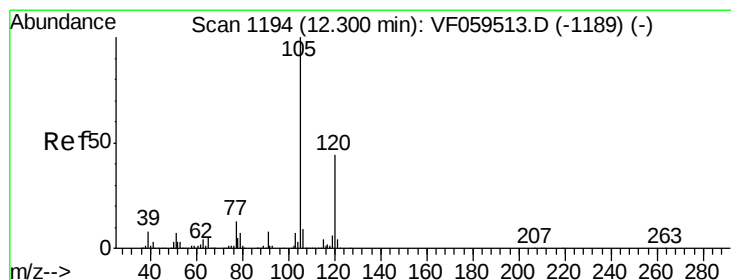
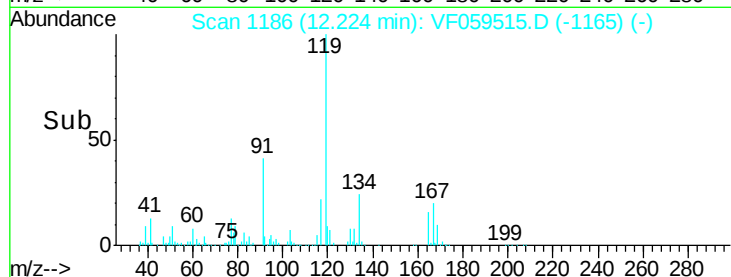
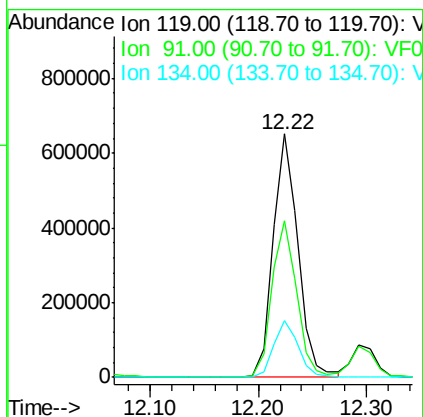
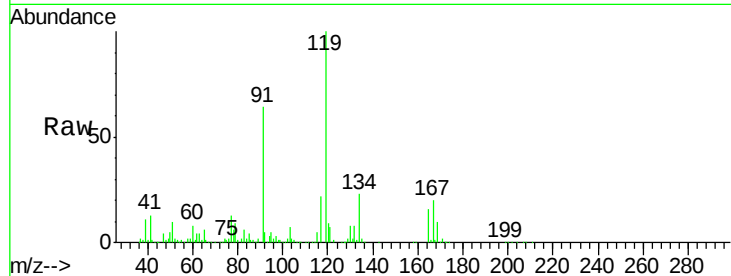




#83
tert-Butylbenzene
Concen: 89.937 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

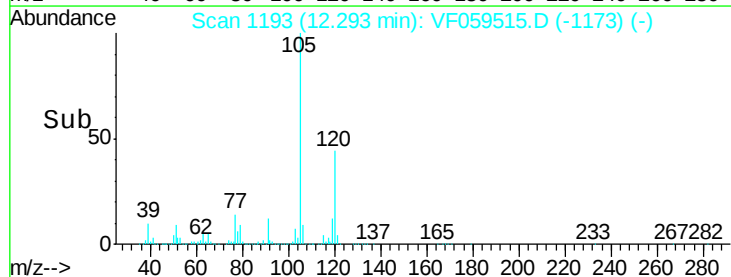
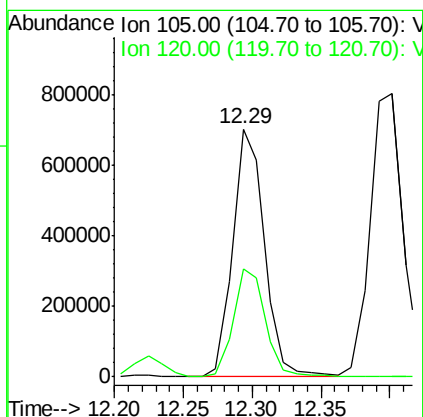
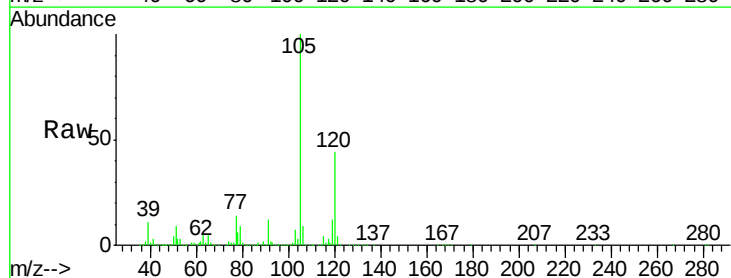
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

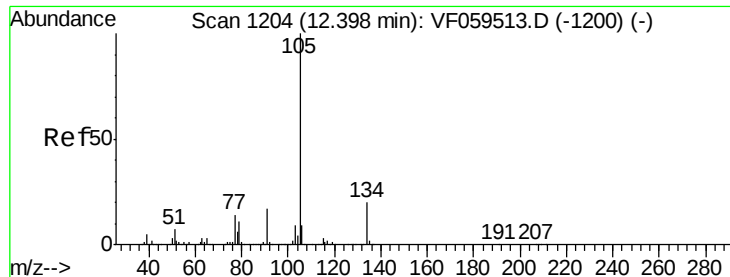
Tot Ion:119 Resp: 1053584
Ion Ratio Lower Upper
119 100
91 64.2 33.5 100.5
134 23.5 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 89.980 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion:105 Resp: 1124991
Ion Ratio Lower Upper
105 100
120 43.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 91.284 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

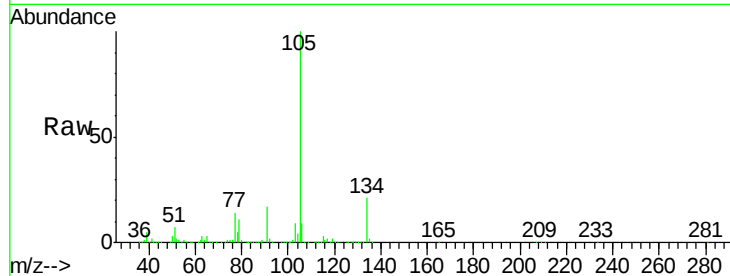
VSTDIC100

Tot Ion:105 Resp: 1350660

Ion Ratio Lower Upper

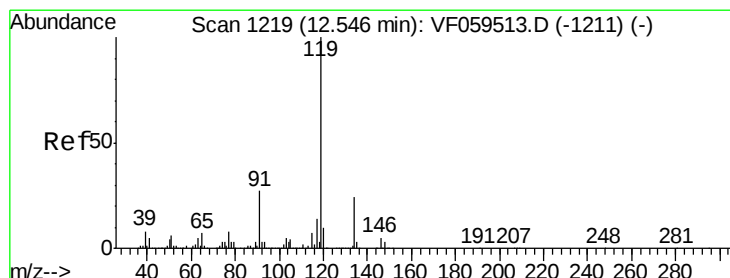
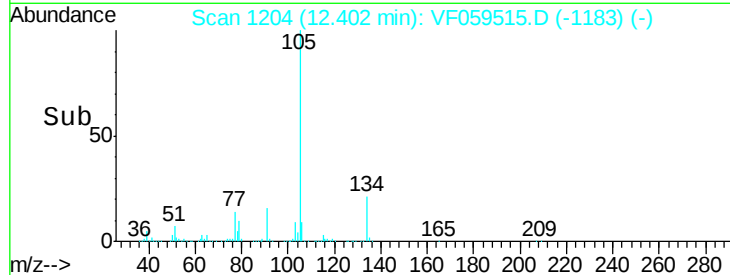
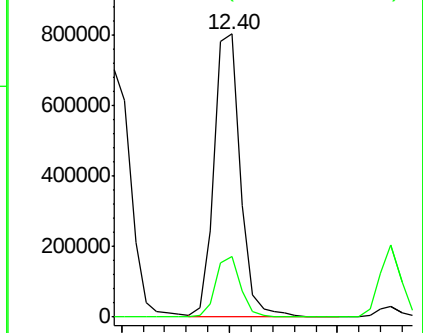
105 100

134 21.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 86.810 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

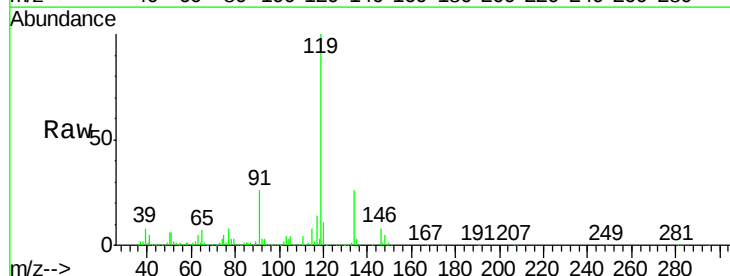
Tgt Ion:119 Resp: 1136178

Ion Ratio Lower Upper

119 100

134 26.2 12.0 36.0

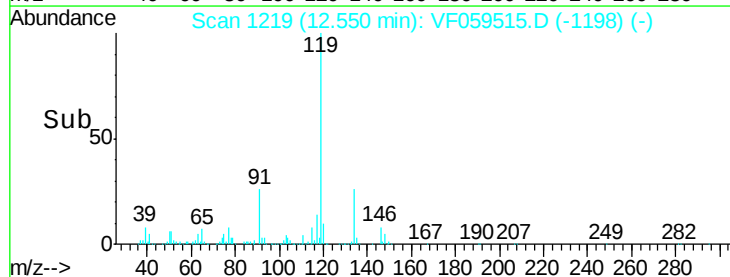
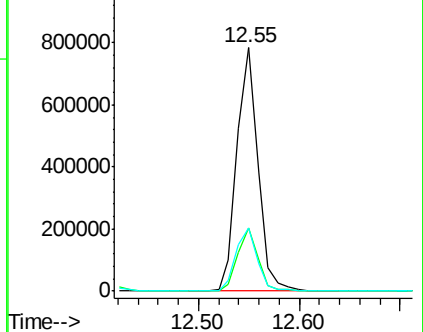
91 26.1 13.5 40.4

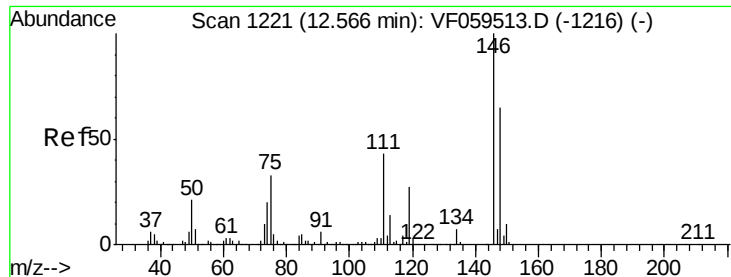


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 86.319 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

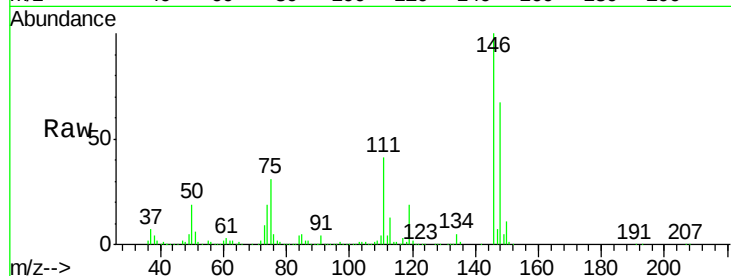
Tot Ion:146 Resp: 606265

Ion Ratio Lower Upper

146 100

111 40.5 21.4 64.3

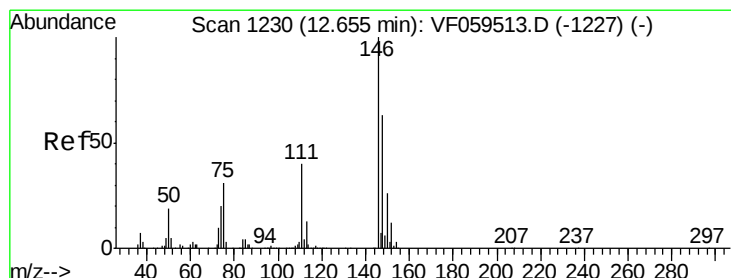
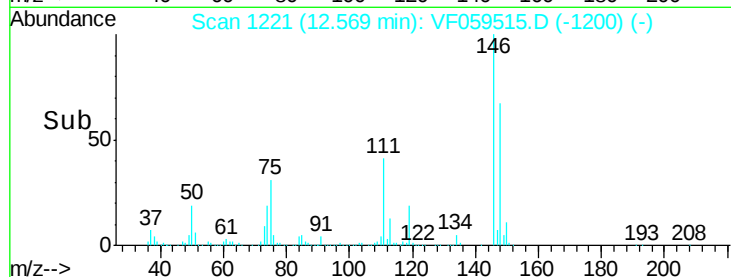
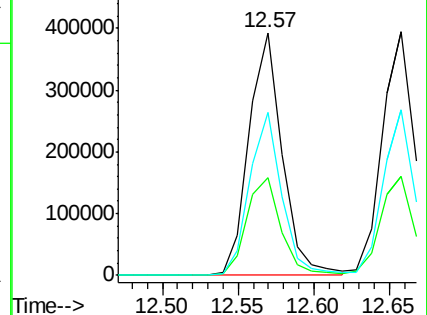
148 67.5 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 91.302 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

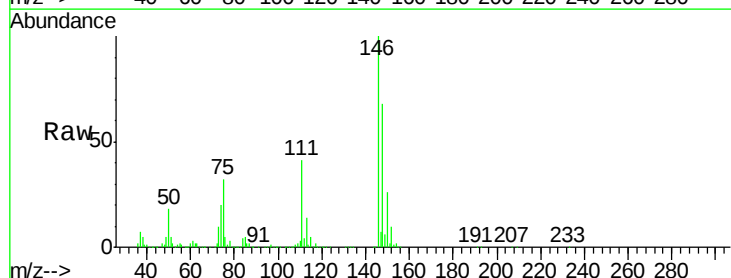
Tgt Ion:146 Resp: 620513

Ion Ratio Lower Upper

146 100

111 40.7 20.0 59.9

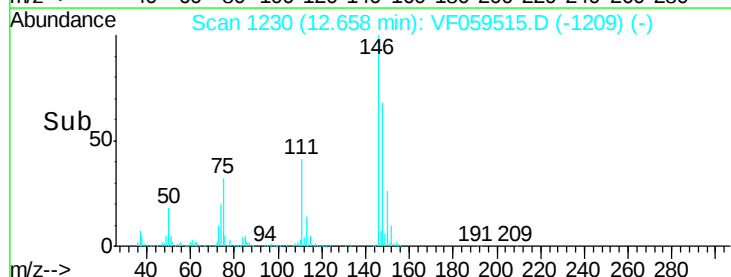
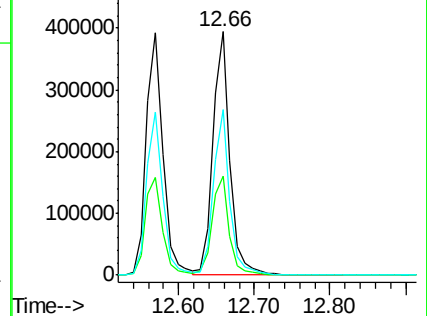
148 67.8 31.5 94.5

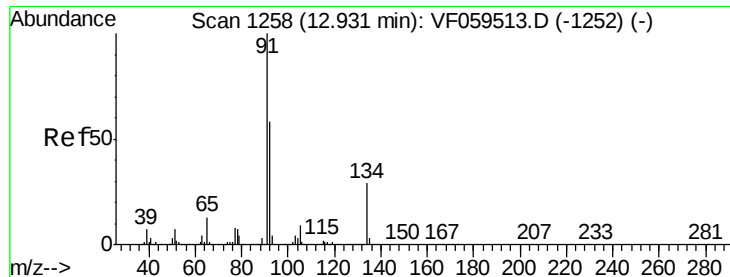


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 90.540 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

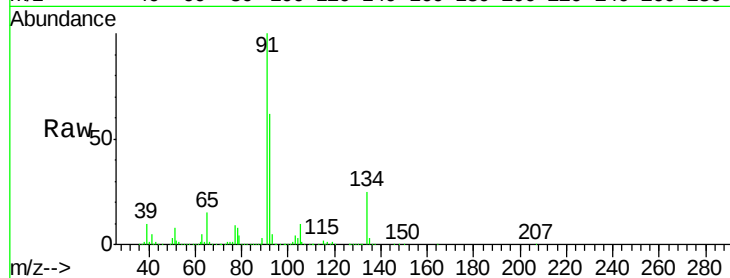
Tot Ion: 91 Resp: 1087998

Ion Ratio Lower Upper

91 100

92 61.6 29.1 87.3

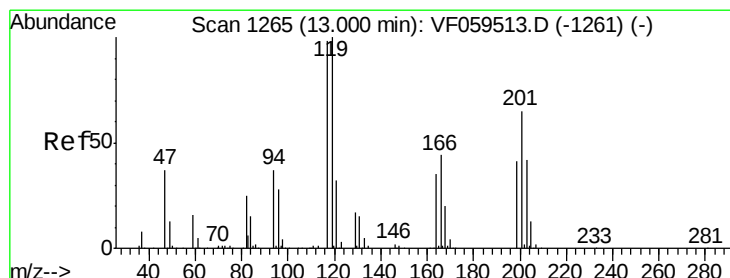
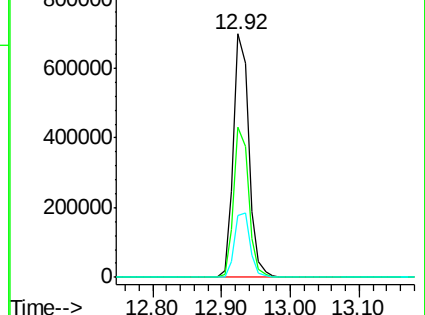
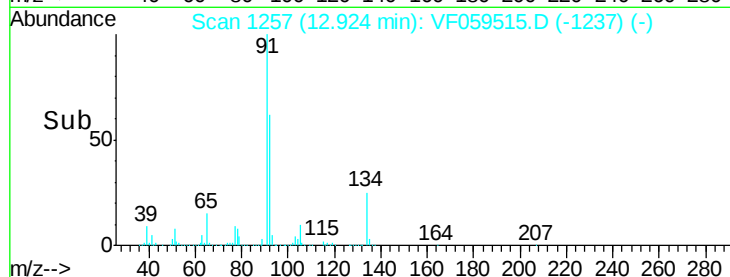
134 25.4 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 90.537 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059515.D

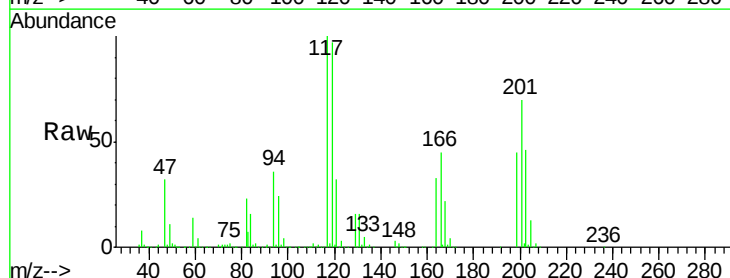
Acq: 17 Jul 2018 18:56

Tgt Ion: 117 Resp: 266779

Ion Ratio Lower Upper

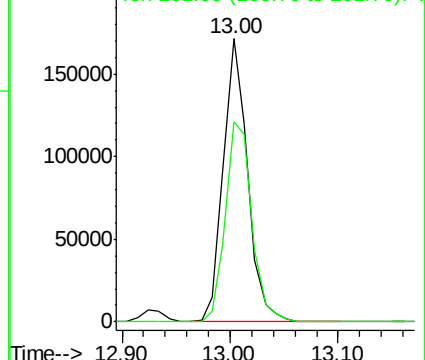
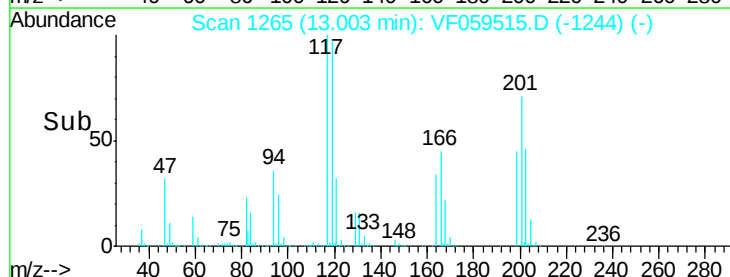
117 100

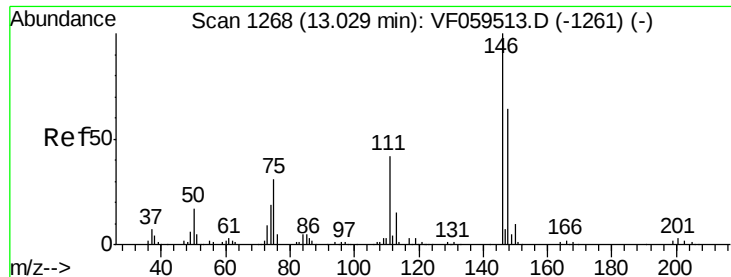
201 72.1 32.6 98.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 89.146 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

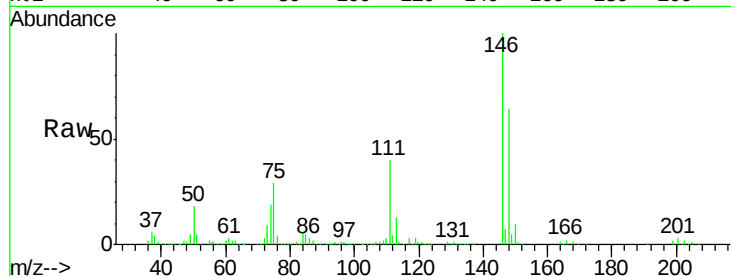
Tot Ion:146 Resp: 583705

Ion Ratio Lower Upper

146 100

111 40.1 21.1 63.1

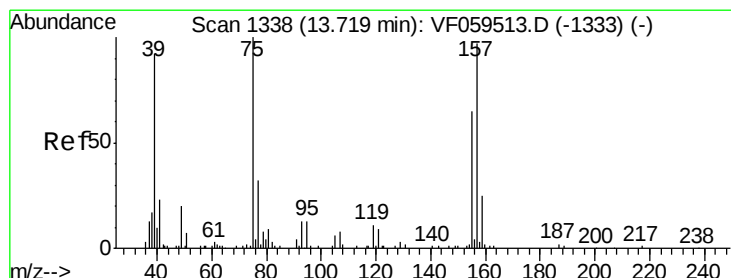
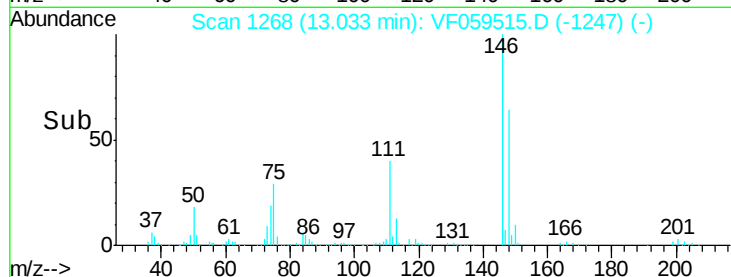
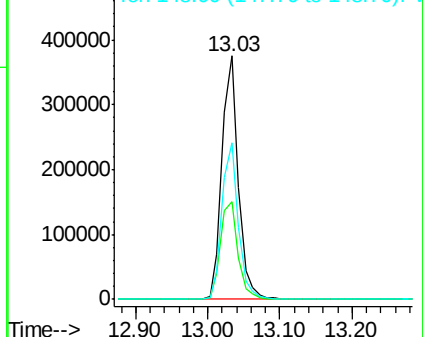
148 64.3 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 100.845 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

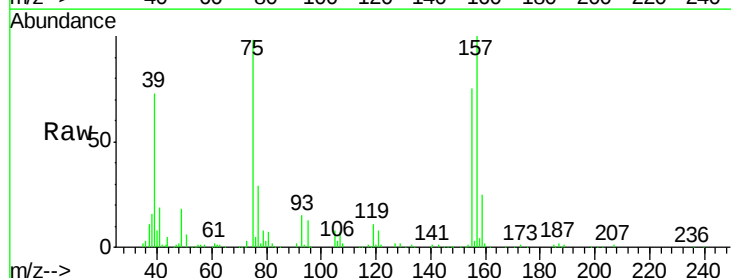
Tgt Ion: 75 Resp: 71472

Ion Ratio Lower Upper

75 100

155 76.0 32.8 98.3

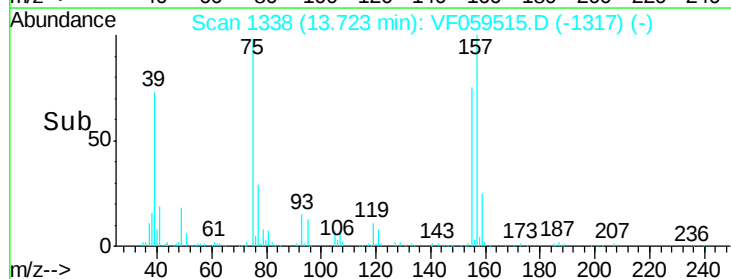
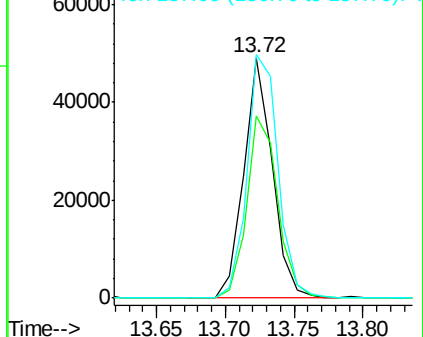
157 101.5 48.5 145.5

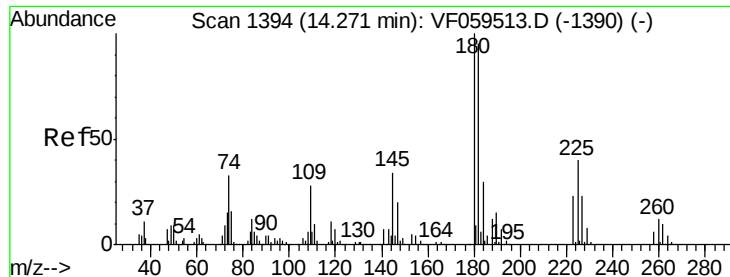


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

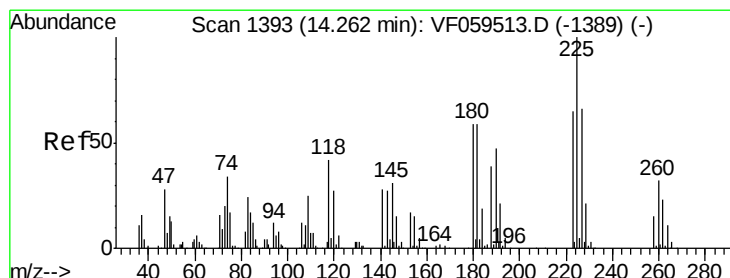
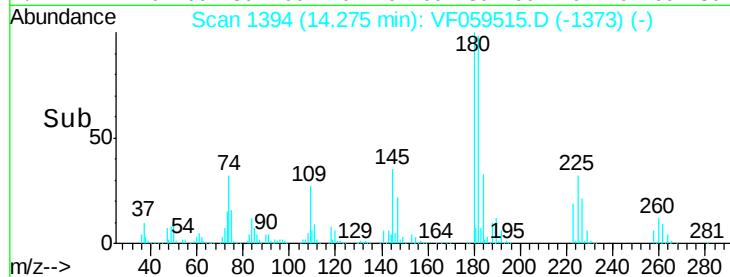
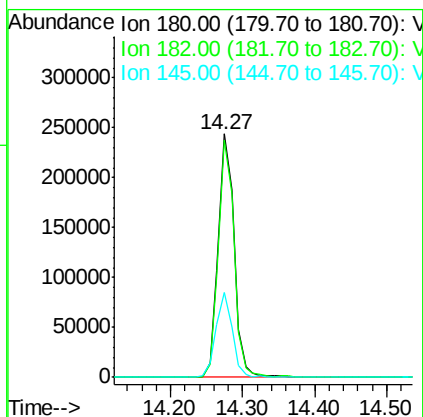
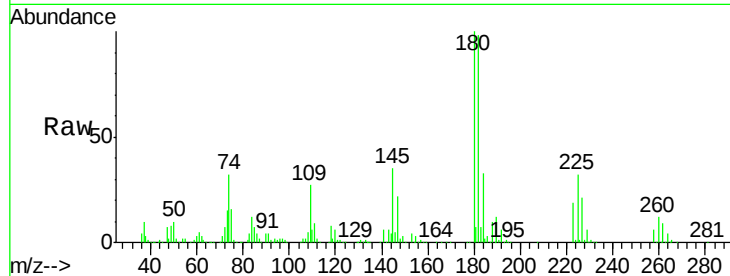




#93
 1,2,4-Trichlorobenzene
 Concen: 90.620 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

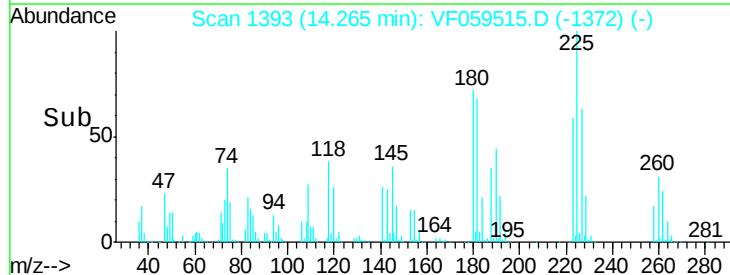
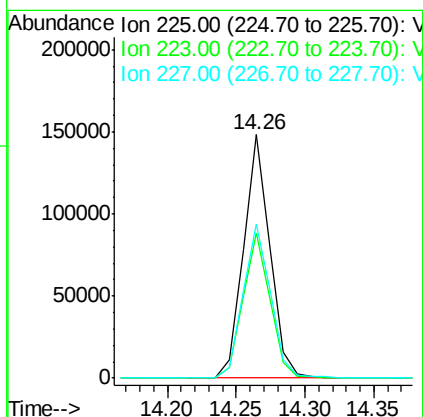
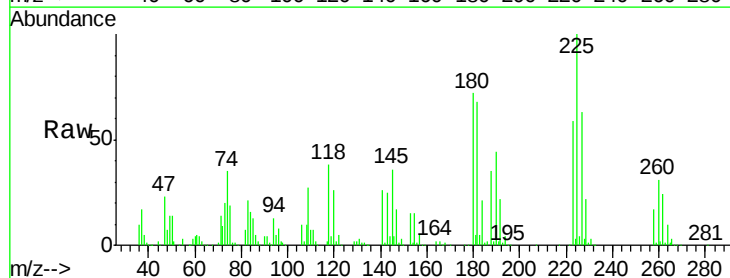
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

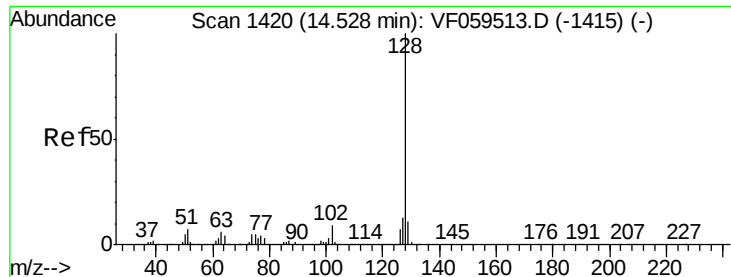
Tot Ion:180 Resp: 371049
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.5 142.5
 145 34.7 17.3 51.7



#94
 Hexachlorobutadiene
 Concen: 109.430 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Tgt Ion:225 Resp: 198298
 Ion Ratio Lower Upper
 225 100
 223 59.3 32.3 96.8
 227 63.3 33.2 99.6

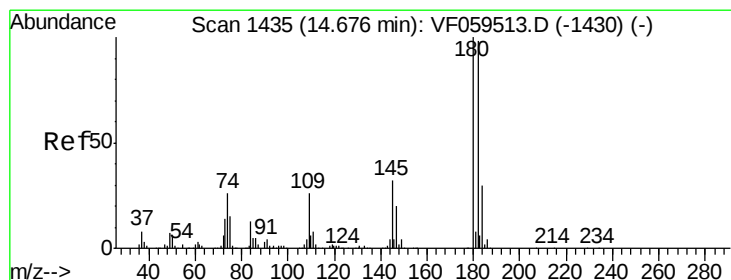
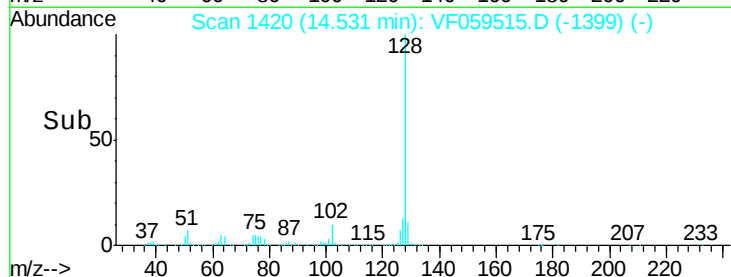
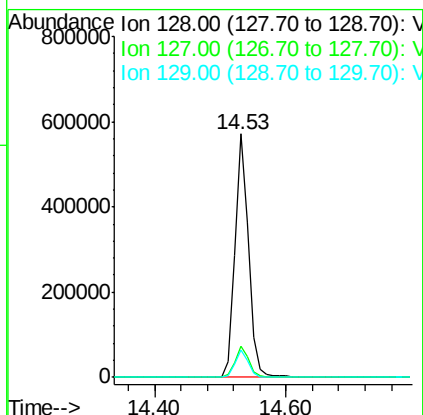
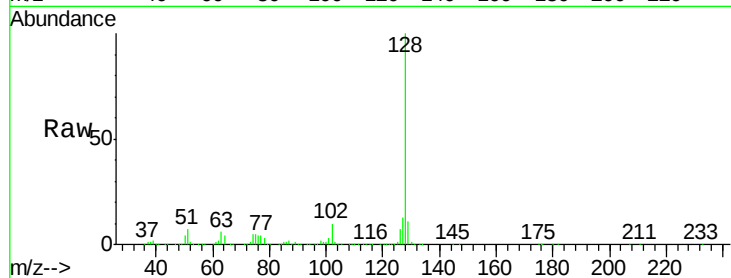




#95
Naphthalene
Concen: 95.572 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.3	9.0	13.4



#96
1,2,3-Trichlorobenzene
Concen: 98.293 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.8	146.4
145	30.0	16.2	48.6

