

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
 Data File : VF059635.D
 Acq On : 24 Jul 2018 16:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 25 00:58:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	246937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	336642	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	324747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	212774	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	32751	8.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.20%	
35) Dibromofluoromethane	4.28	113	31857	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
50) Toluene-d8	7.70	98	73096	9.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.96%	
62) 4-Bromofluorobenzene	11.50	95	38954	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	30295	9.971 ug/l	91
3) Chloromethane	1.08	50	15394	10.731 ug/l	96
4) Vinyl Chloride	1.15	62	16272	10.319 ug/l	93
5) Bromomethane	1.33	94	12124	9.015 ug/l	95
6) Chloroethane	1.41	64	10167	10.558 ug/l #	77
7) Trichlorofluoromethane	1.48	101	15078	3.536 ug/l	96
8) Diethyl Ether	1.68	74	6423	10.649 ug/l	55
9) 1,1,2-Trichlorotrifluoroet	1.88	101	26475	12.086 ug/l	95
10) Methyl Iodide	1.95	142	38171	10.581 ug/l #	88
11) Tert butyl alcohol	2.68	59	6507	42.583 ug/l	96
12) 1,1-Dichloroethene	1.84	96	18875	11.034 ug/l #	83
13) Acrolein	2.08	56	3210	42.793 ug/l #	68
14) Allyl chloride	2.18	41	33012	10.666 ug/l	92
15) Acrylonitrile	3.06	53	12729	53.940 ug/l	96
16) Acetone	2.32	43	28879	45.140 ug/l	98
17) Carbon Disulfide	1.83	76	51703	11.628 ug/l	95
18) Methyl Acetate	2.44	43	9576	8.823 ug/l	93
19) Methyl tert-butyl Ether	2.53	73	43950	8.872 ug/l	97
20) Methylene Chloride	2.26	84	13752	7.106 ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	17746	9.998 ug/l	92
22) Diisopropyl ether	2.92	45	58892	10.406 ug/l #	95
23) Vinyl Acetate	3.32	43	138723	49.187 ug/l	97
24) 1,1-Dichloroethane	2.98	63	43819	10.749 ug/l	99
25) 2-Butanone	4.49	43	32534	48.712 ug/l	97
26) 2,2-Dichloropropane	3.74	77	36823	10.850 ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	24342	11.951 ug/l	86
28) Bromochloromethane	3.87	49	15809	10.552 ug/l	99
29) Tetrahydrofuran	4.24	42	13607	50.006 ug/l	98
30) Chloroform	4.02	83	59891	10.643 ug/l	98
31) Cyclohexane	3.84	56	25877	11.323 ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	51630	10.257 ug/l #	91
36) 1,1-Dichloropropene	4.44	75	38856	11.478 ug/l	98
37) Ethyl Acetate	4.27	43	14501	10.885 ug/l #	81
38) Carbon Tetrachloride	4.16	117	54560	10.647 ug/l #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
 Data File : VF059635.D
 Acq On : 24 Jul 2018 16:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 25 00:58:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	32578	11.931	ug/l #	82
40) Benzene	4.79	78	73140	11.818	ug/l	98
41) Methacrylonitrile	4.91	41	7721	11.734	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	42034	10.266	ug/l	98
43) Isopropyl Acetate	7.09	43	15248	9.191	ug/l #	99
44) Trichloroethene	5.66	130	27721	11.739	ug/l	82
45) 1,2-Dichloropropane	6.38	63	17886	10.808	ug/l #	82
46) Dibromomethane	6.24	93	15634	11.622	ug/l #	87
47) Bromodichloromethane	6.53	83	41300	10.026	ug/l #	88
48) Methyl methacrylate	6.86	41	11573	9.162	ug/l	92
49) 1,4-Dioxane	6.86	88	1817	204.641	ug/l	99
51) 4-Methyl-2-Pentanone	8.40	43	59620	48.040	ug/l	99
52) Toluene	7.77	92	51561	11.016	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	35226	10.217	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	35345	10.290	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	16098	10.368	ug/l	97
56) Ethyl methacrylate	8.75	69	16010	9.301	ug/l	93
57) 1,3-Dichloropropane	8.99	76	27568	10.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	11330	55.455	ug/l	100
59) 2-Hexanone	9.62	43	44151	44.780	ug/l	99
60) Dibromochloromethane	8.85	129	28615	10.263	ug/l	92
61) 1,2-Dibromoethane	9.12	107	18158	10.161	ug/l	96
64) Tetrachloroethene	8.29	164	26337	10.831	ug/l #	91
65) Chlorobenzene	9.92	112	67213	11.352	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	29709	11.013	ug/l	97
67) Ethyl Benzene	10.02	91	122568	11.430	ug/l	100
68) m/p-Xylenes	10.26	106	88561	23.805	ug/l	94
69) o-Xylene	10.82	106	44126	10.999	ug/l	96
70) Styrene	10.89	104	66124	11.064	ug/l	97
71) Bromoform	10.88	173	17026	10.282	ug/l	85
73) Isopropylbenzene	11.22	105	147494	10.934	ug/l	95
74) N-amyl acetate	11.45	43	28798	9.719	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.78	83	19529	8.758	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	17255	8.836	ug/l	91
77) Bromobenzene	11.59	156	36234	10.531	ug/l	95
78) n-propylbenzene	11.68	91	179137	11.132	ug/l	99
79) 2-Chlorotoluene	11.81	91	102867	10.631	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	130768	10.802	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	10749	13.296	ug/l	92
82) 4-Chlorotoluene	11.98	91	111263	10.375	ug/l	96
83) tert-Butylbenzene	12.21	119	136088	11.382	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	135884	11.082	ug/l	100
85) sec-Butylbenzene	12.38	105	176091	11.344	ug/l	95
86) p-Isopropyltoluene	12.54	119	157831	11.615	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	78267	11.713	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	66659	10.701	ug/l	94
89) n-Butylbenzene	12.91	91	154345	11.824	ug/l	96
90) Hexachloroethane	12.99	117	36170	10.663	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	62985	10.018	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4715	8.692	ug/l #	70

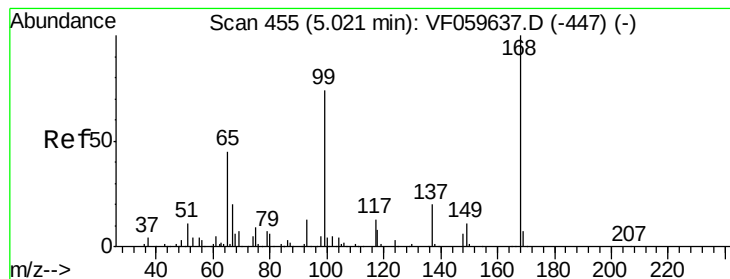
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072418\
Data File : VF059635.D
Acq On : 24 Jul 2018 16:35
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 83 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC010

Quant Time: Jul 25 00:58:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 00:58:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	52711	11.220	ug/l	95
94) Hexachlorobutadiene	14.25	225	39918	12.173	ug/l	94
95) Naphthalene	14.52	128	70787	9.347	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	46488	10.914	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

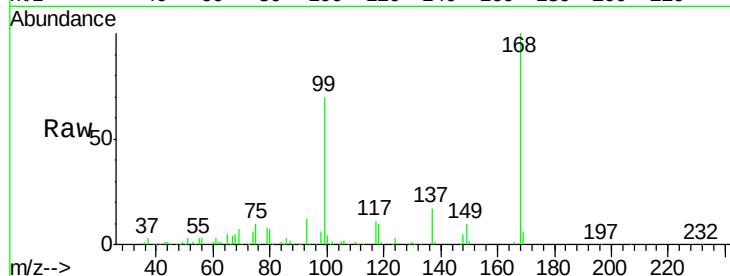
VSTDIC010

Tgt Ion:168 Resp: 246937

Ion Ratio Lower Upper

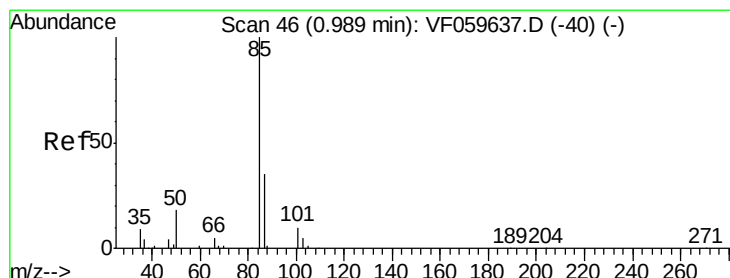
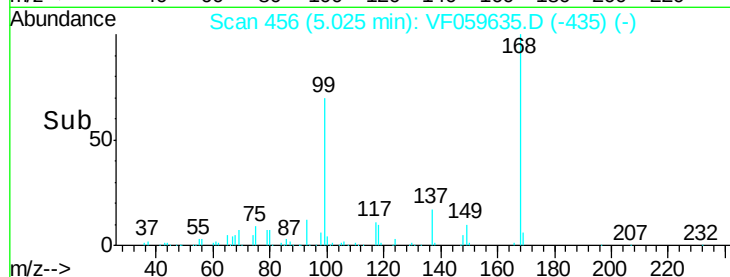
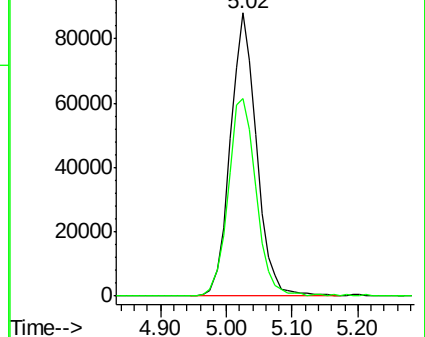
168 100

99 69.8 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 9.971 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059635.D

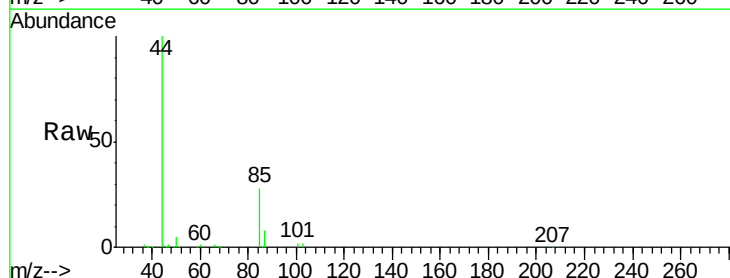
Acq: 24 Jul 2018 16:35

Tgt Ion: 85 Resp: 30295

Ion Ratio Lower Upper

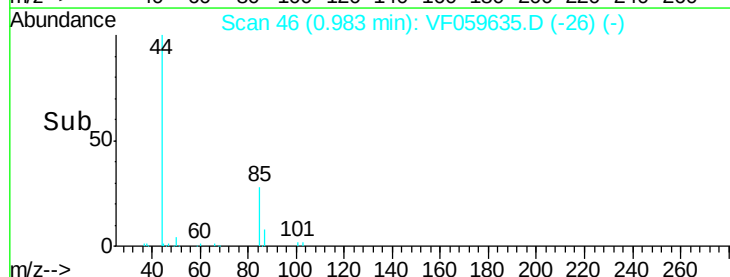
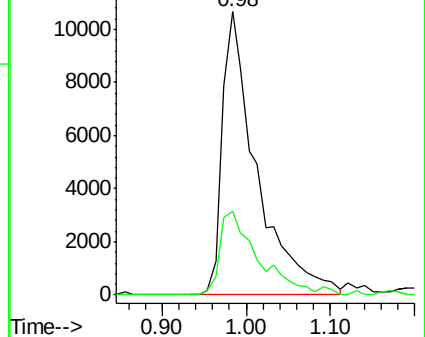
85 100

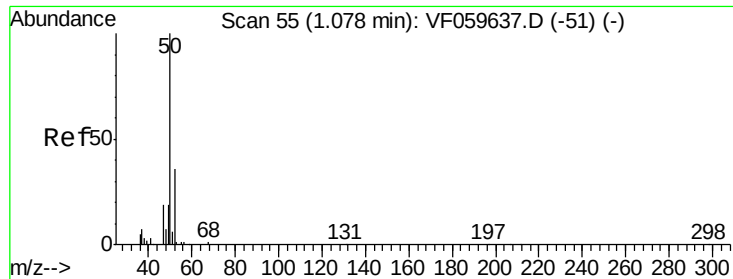
87 29.6 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 10.731 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

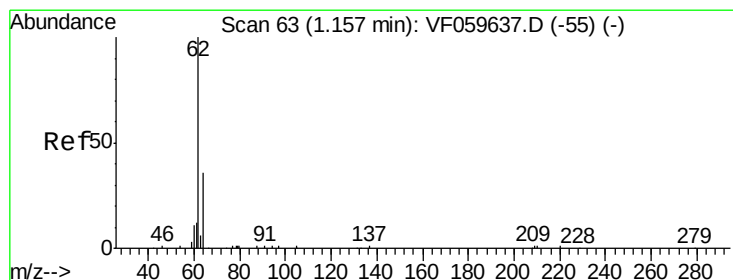
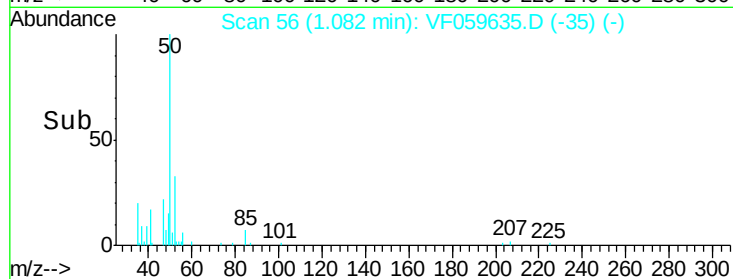
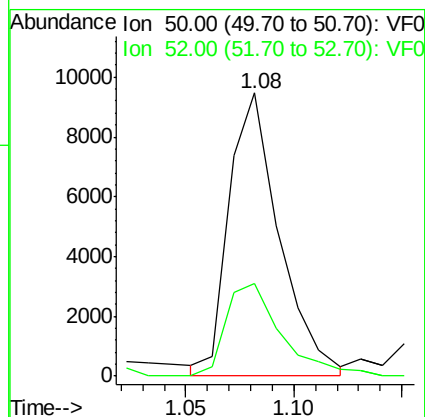
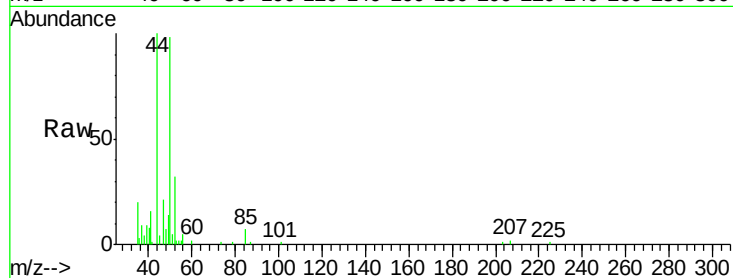
VSTDIC010

Tgt Ion: 50 Resp: 15394

Ion Ratio Lower Upper

50 100

52 32.6 28.0 42.0



#4

Vinyl Chloride

Concen: 10.319 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059635.D

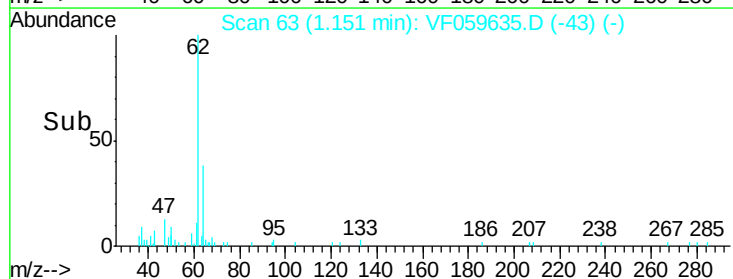
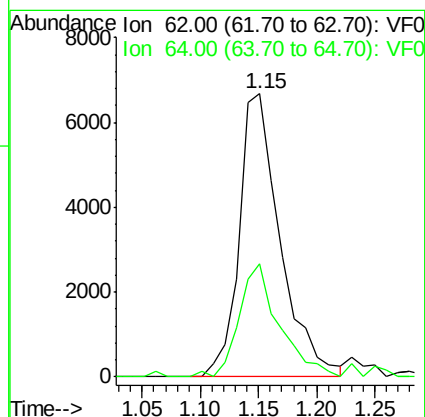
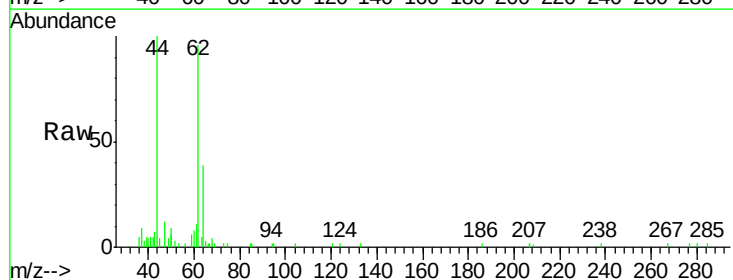
Acq: 24 Jul 2018 16:35

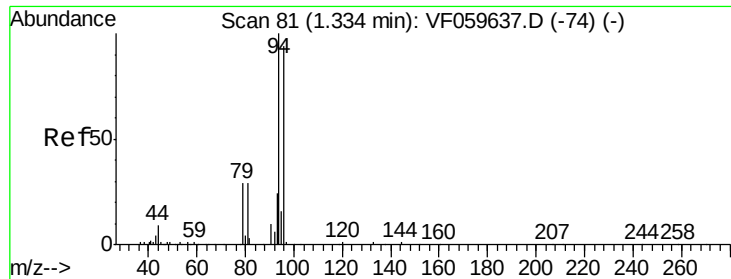
Tgt Ion: 62 Resp: 16272

Ion Ratio Lower Upper

62 100

64 40.1 28.6 43.0





#5

Bromomethane

Concen: 9.015 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

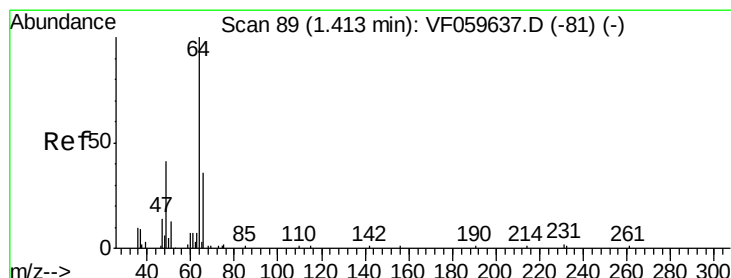
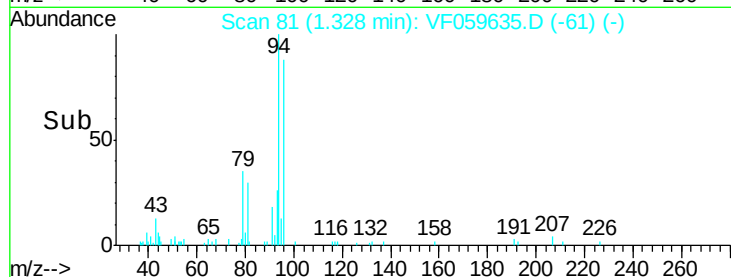
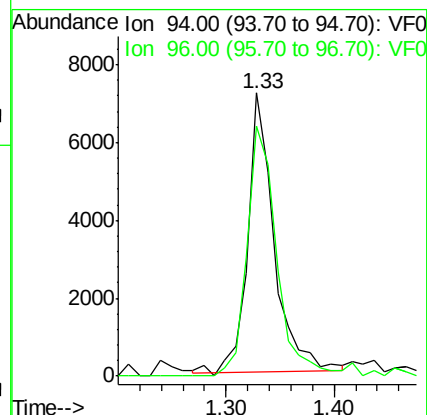
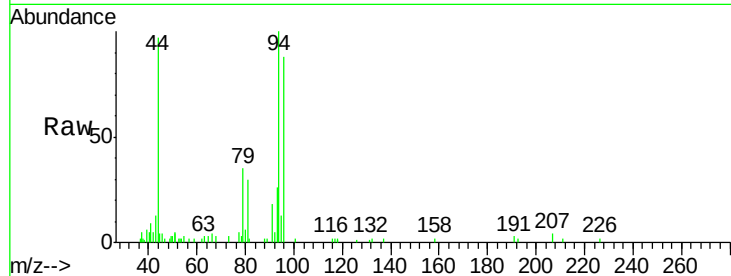
VSTDIC010

Tgt Ion: 94 Resp: 12124

Ion Ratio Lower Upper

94 100

96 88.4 74.6 112.0



#6

Chloroethane

Concen: 10.558 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059635.D

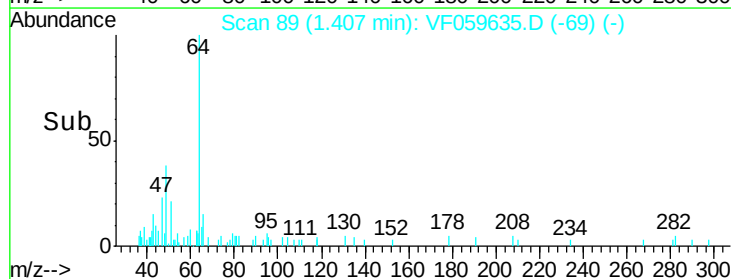
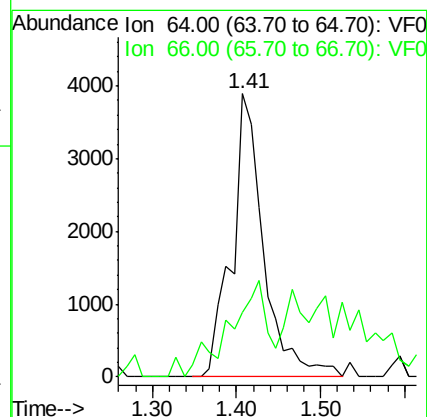
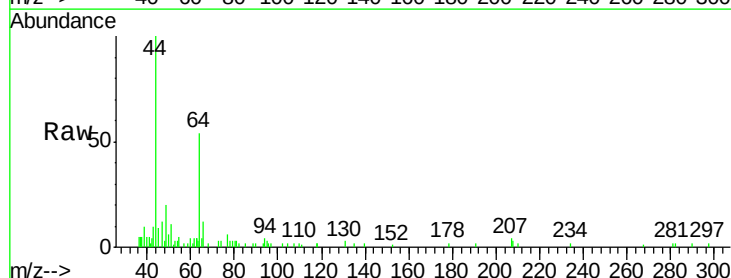
Acq: 24 Jul 2018 16:35

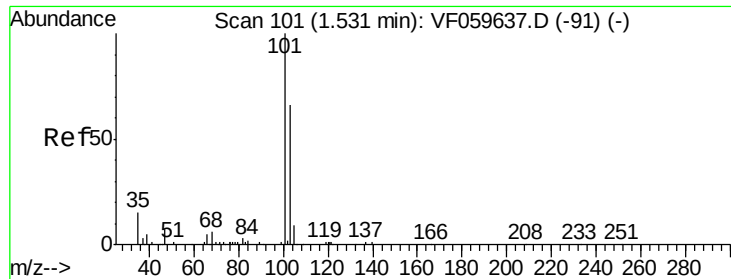
Tgt Ion: 64 Resp: 10167

Ion Ratio Lower Upper

64 100

66 22.7 29.0 43.6#



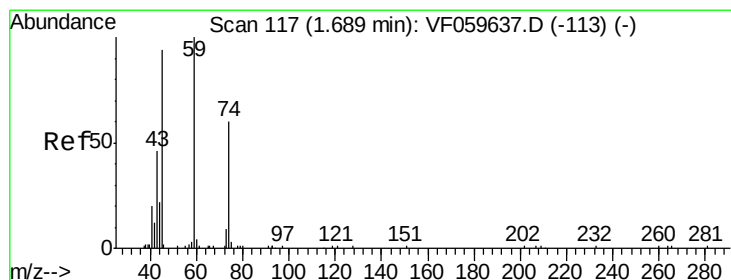
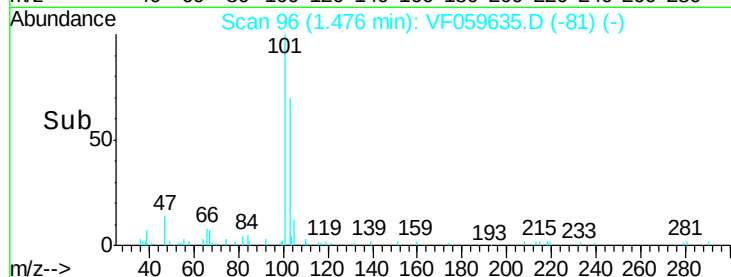
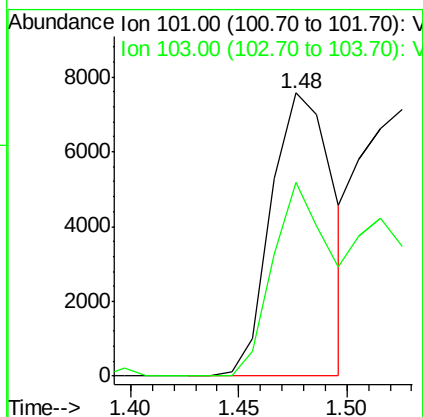
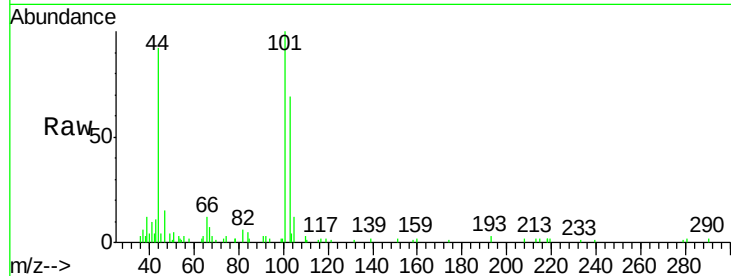


#7

Trichlorofluoromethane
 Concen: 3.536 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.06 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

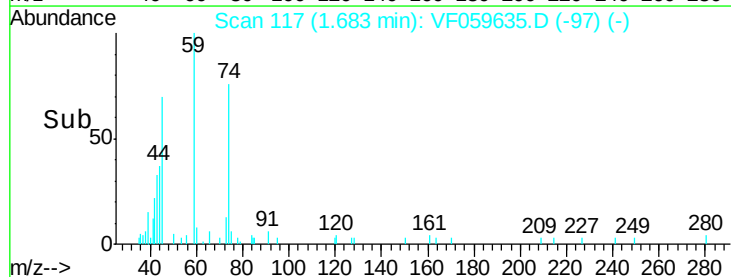
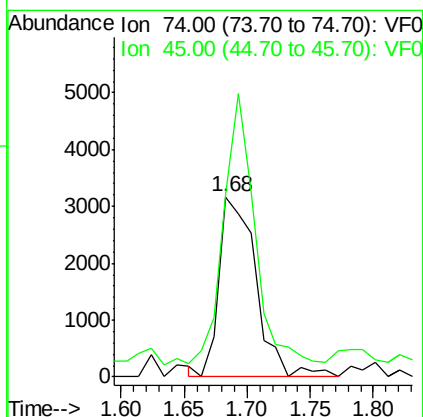
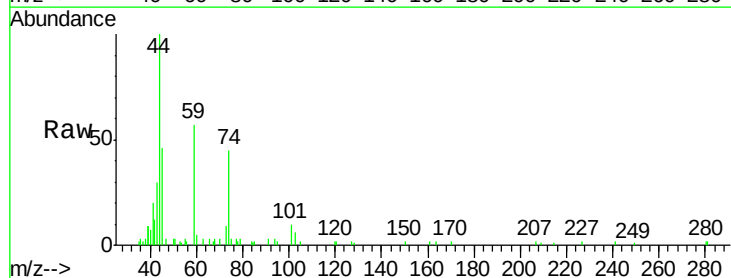
Tgt Ion: 101 Resp: 15078
 Ion Ratio Lower Upper
 101 100
 103 68.6 52.5 78.7

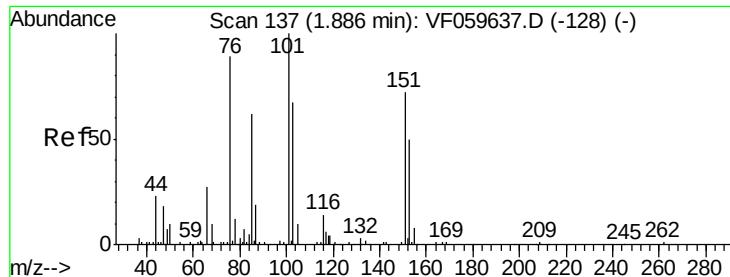


#8

Diethyl Ether
 Concen: 10.649 ug/l
 RT: 1.68 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion: 74 Resp: 6423
 Ion Ratio Lower Upper
 74 100
 45 101.1 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.086 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

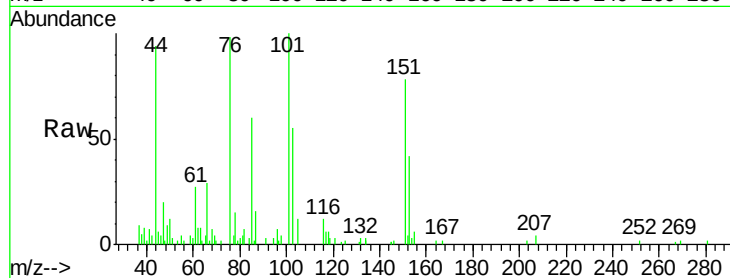
Tgt Ion:101 Resp: 26475

Ion Ratio Lower Upper

101 100

85 59.7 49.0 73.4

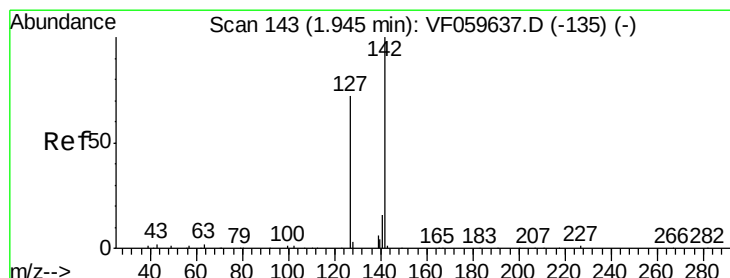
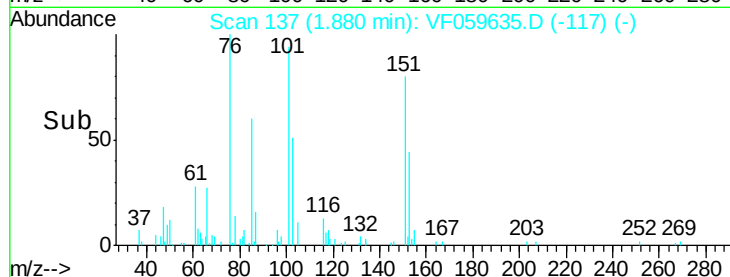
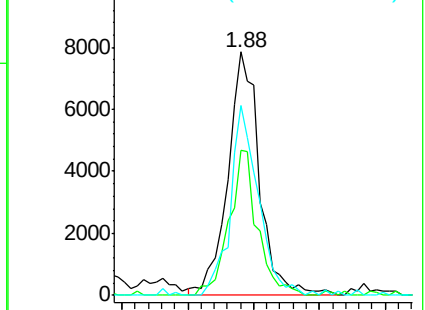
151 78.0 56.8 85.2



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: 10.581 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

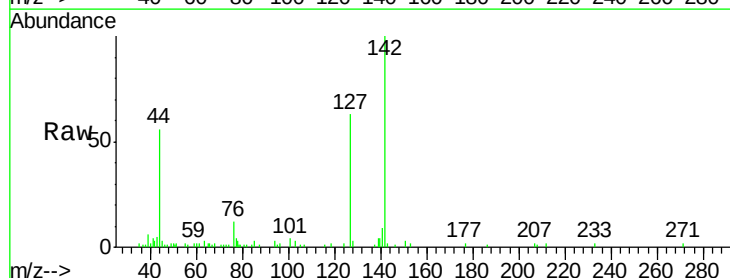
Tgt Ion:142 Resp: 38171

Ion Ratio Lower Upper

142 100

127 63.5 57.5 86.3

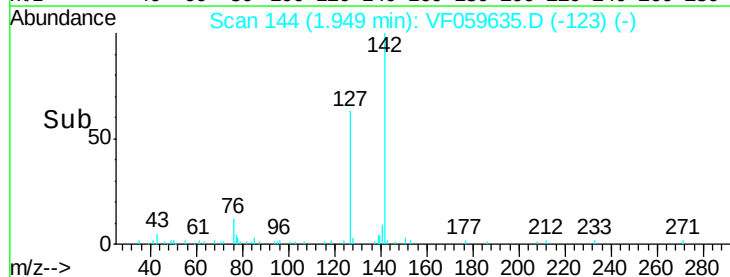
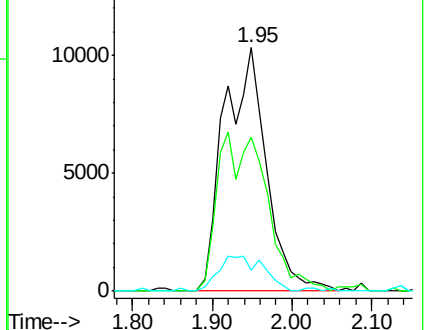
141 8.5 13.2 19.8#

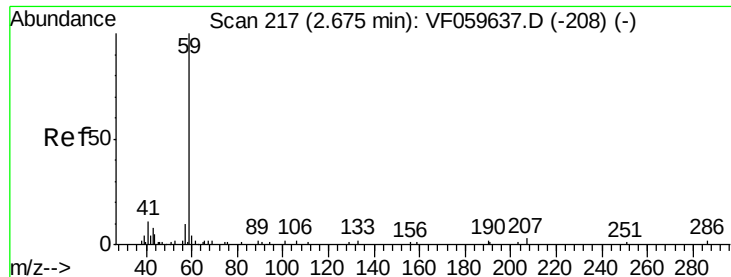


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



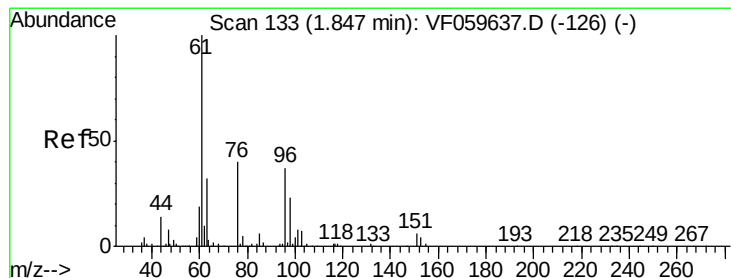
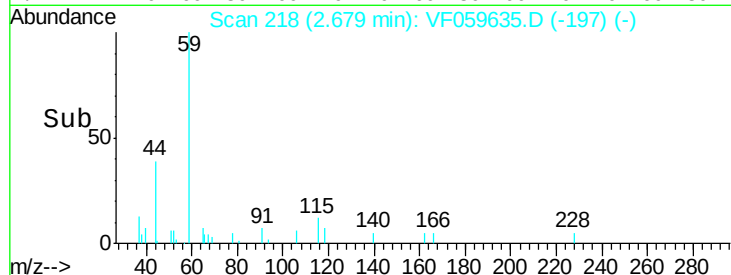
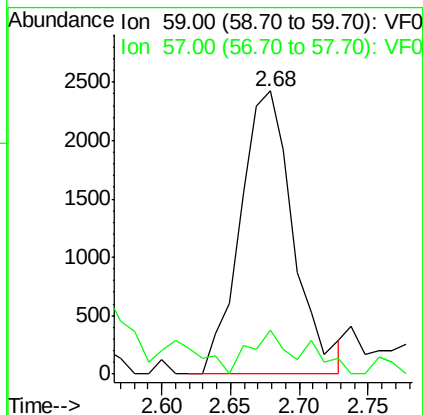
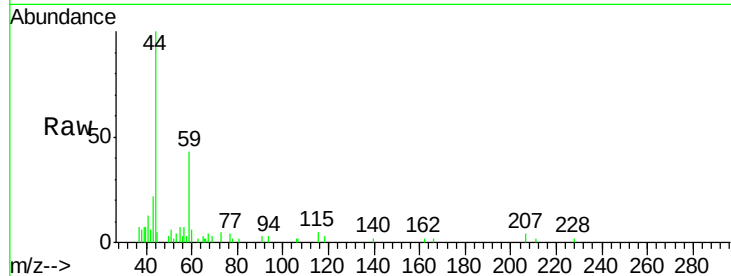


#11

Tert butyl alcohol
Concen: 42.583 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

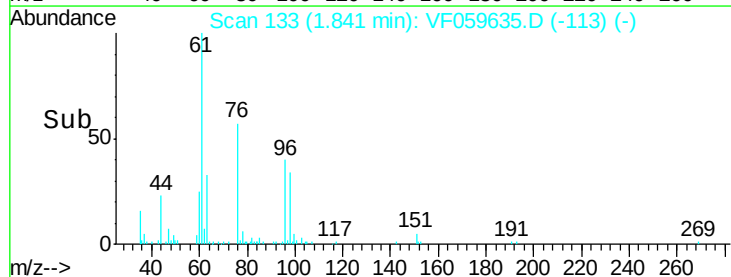
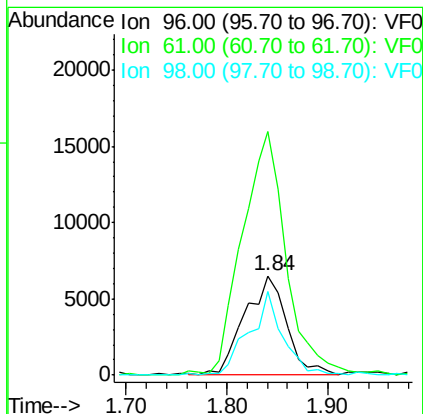
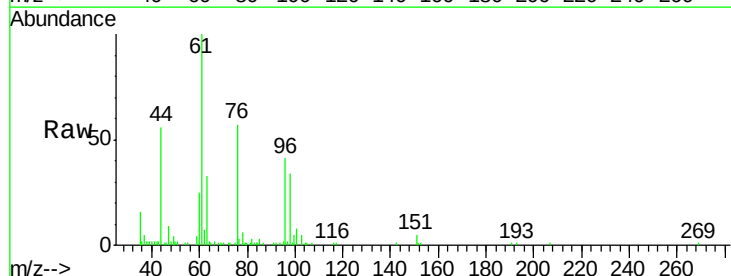
Tgt Ion: 59 Resp: 6507
Ion Ratio Lower Upper
59 100
57 15.8 11.4 17.2

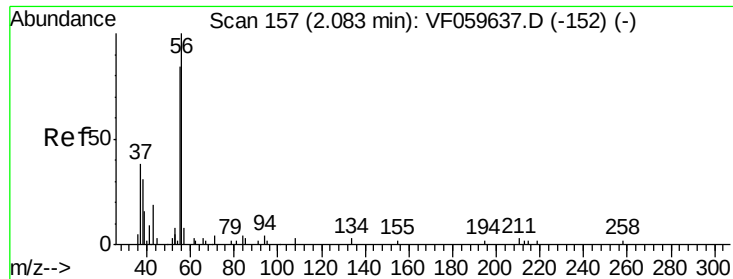


#12

1,1-Dichloroethene
Concen: 11.034 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Tgt Ion: 96 Resp: 18875
Ion Ratio Lower Upper
96 100
61 245.1 218.2 327.4
98 83.9 50.6 76.0#





#13

Acrolein

Concen: 42.793 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

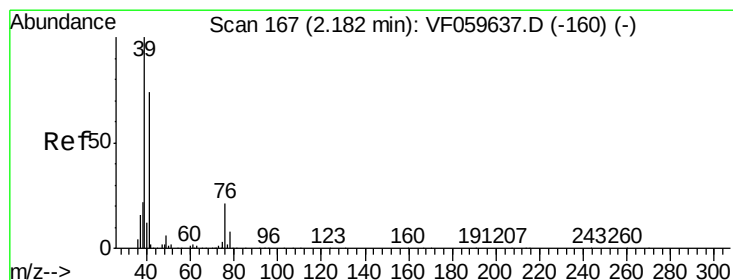
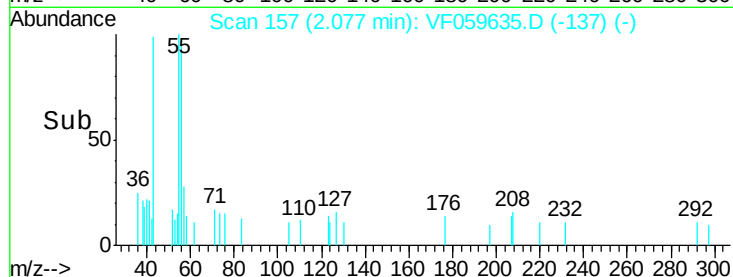
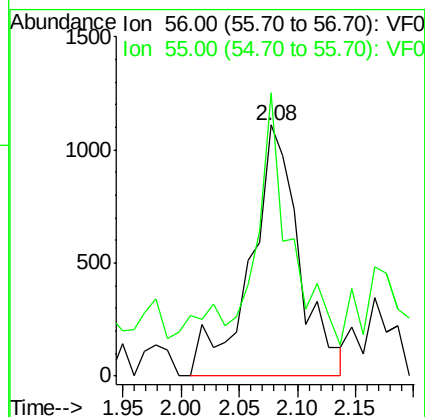
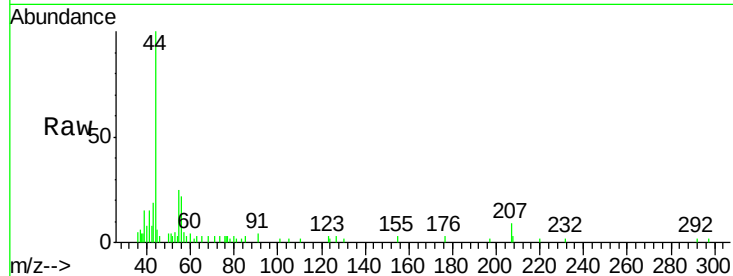
VSTDIC010

Tgt Ion: 56 Resp: 3210

Ion Ratio Lower Upper

56 100

55 112.7 67.2 100.8#



#14

Allyl chloride

Concen: 10.666 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

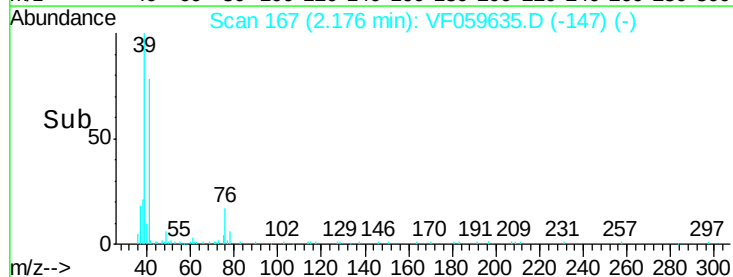
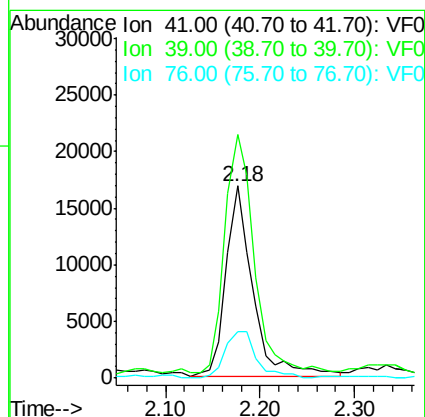
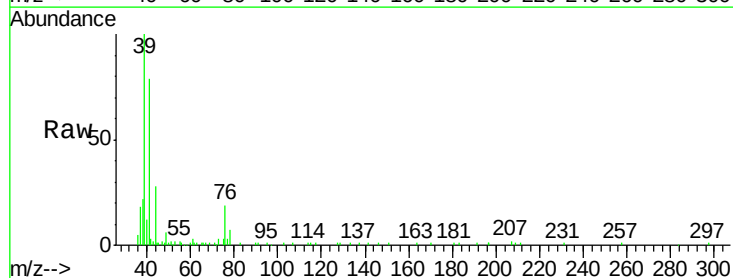
Tgt Ion: 41 Resp: 33012

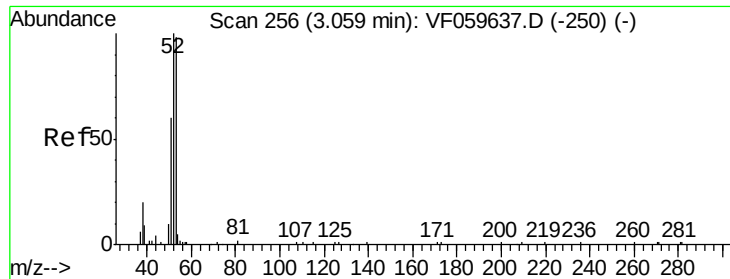
Ion Ratio Lower Upper

41 100

39 126.9 108.6 162.8

76 24.1 23.0 34.6





#15

Acrylonitrile

Concen: 53.940 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

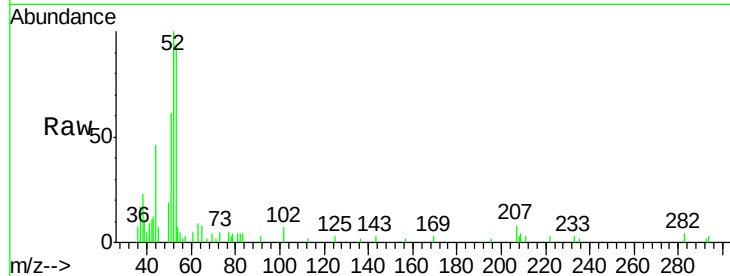
Tgt Ion: 53 Resp: 12729

Ion Ratio Lower Upper

53 100

52 106.1 80.9 121.3

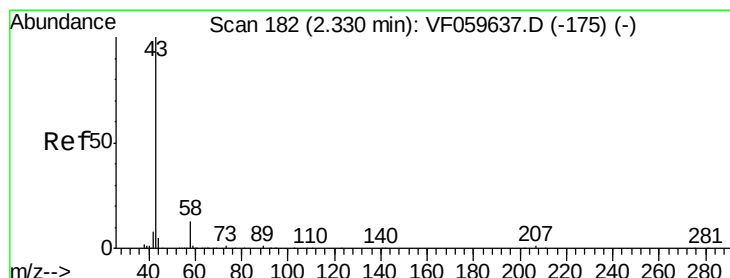
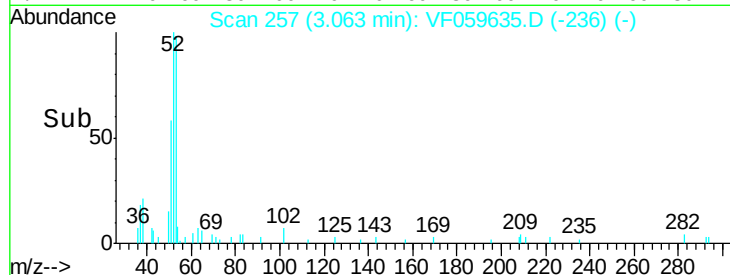
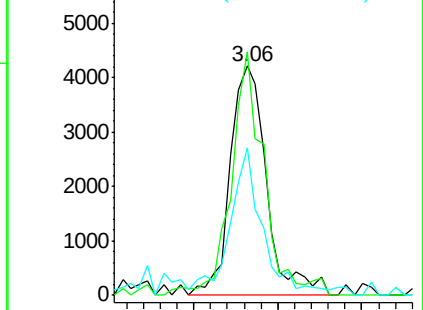
51 64.2 49.4 74.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 45.140 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059635.D

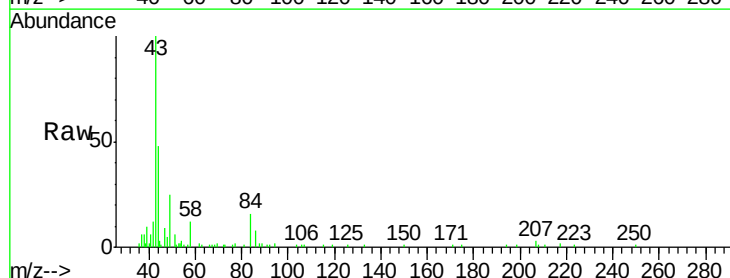
Acq: 24 Jul 2018 16:35

Tgt Ion: 43 Resp: 28879

Ion Ratio Lower Upper

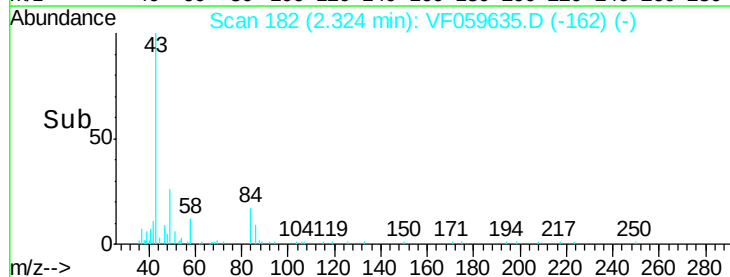
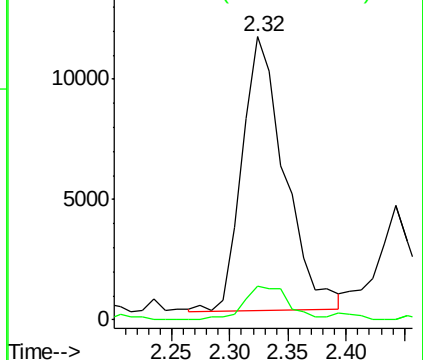
43 100

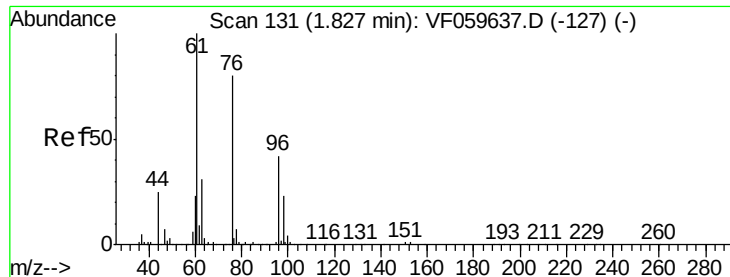
58 12.0 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 11.628 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

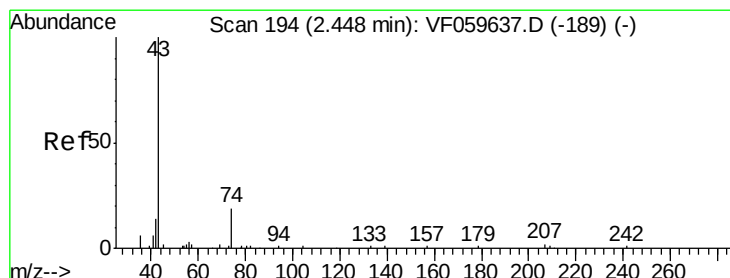
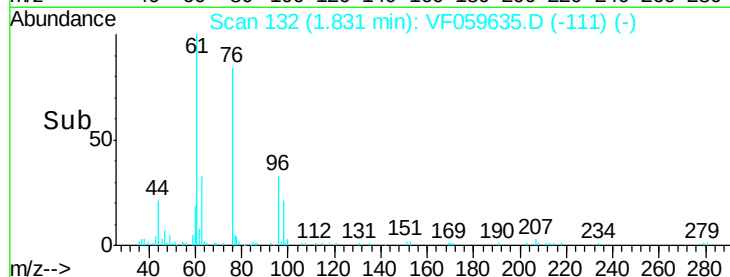
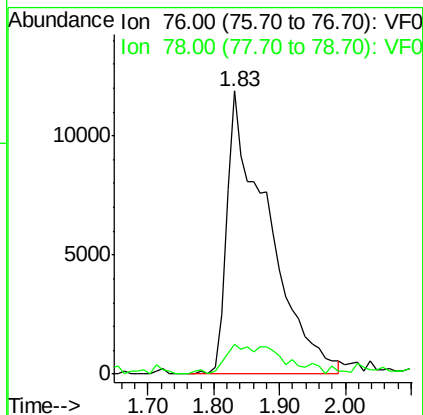
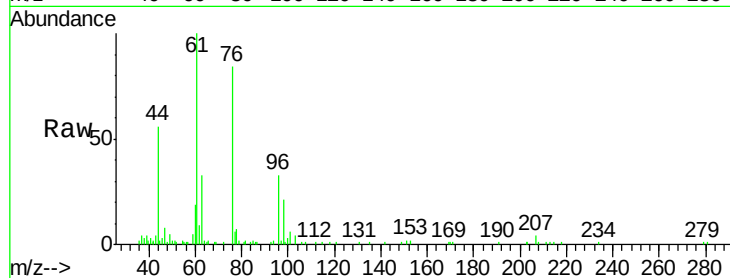
VSTDIC010

Tgt Ion: 76 Resp: 51703

Ion Ratio Lower Upper

76 100

78 10.4 7.0 10.6



#18

Methyl Acetate

Concen: 8.823 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059635.D

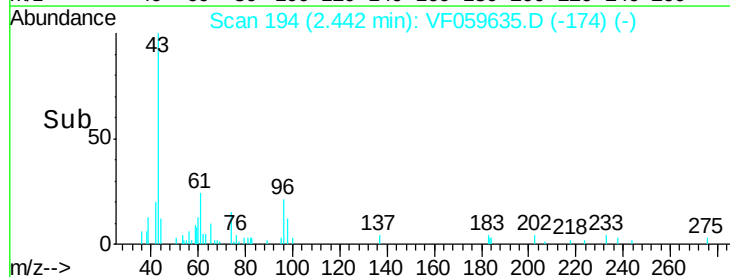
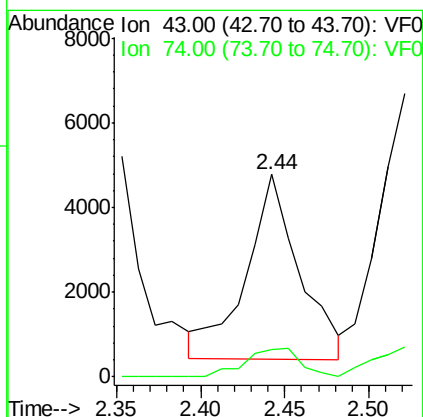
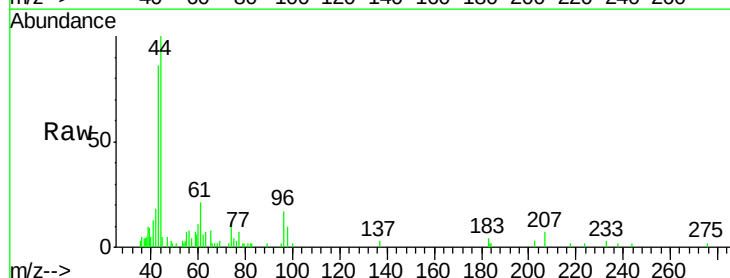
Acq: 24 Jul 2018 16:35

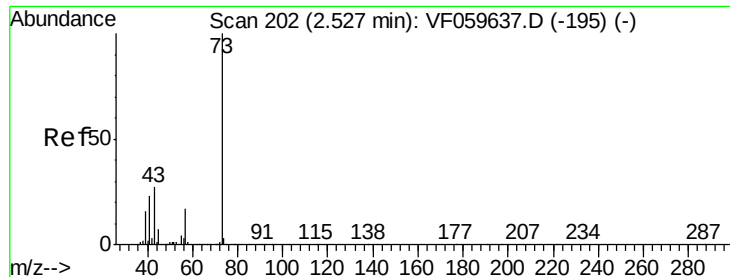
Tgt Ion: 43 Resp: 9576

Ion Ratio Lower Upper

43 100

74 13.5 13.0 19.6





#19

Methyl tert-butyl Ether

Concen: 8.872 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

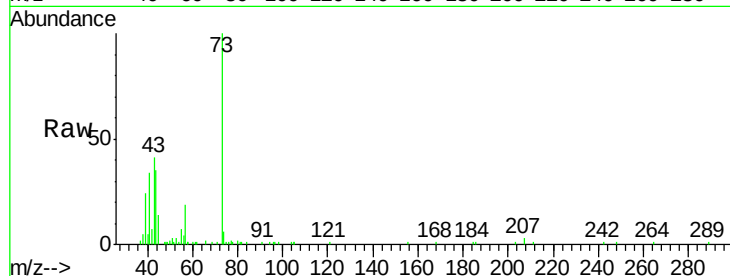
VSTDIC010

Tgt Ion: 73 Resp: 43950

Ion Ratio Lower Upper

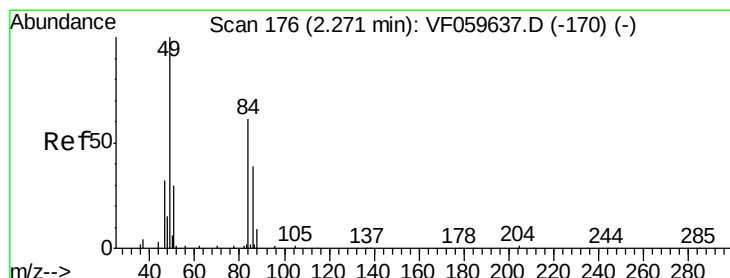
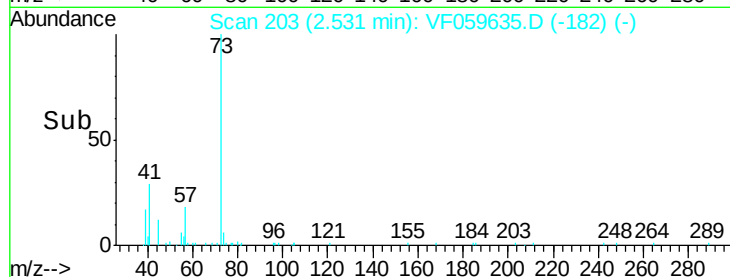
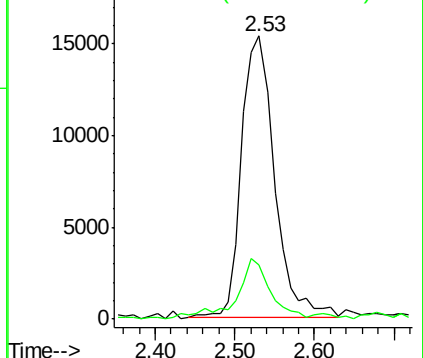
73 100

57 19.0 14.2 21.4



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 7.106 ug/l

RT: 2.26 min Scan# 176

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Tgt Ion: 84 Resp: 13752

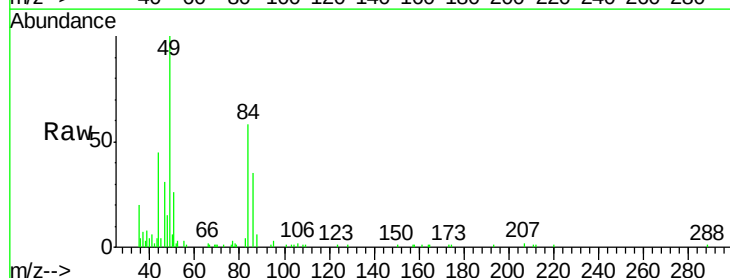
Ion Ratio Lower Upper

84 100

49 172.7 133.8 200.8

51 44.1 41.1 61.7

86 59.6 51.0 76.6

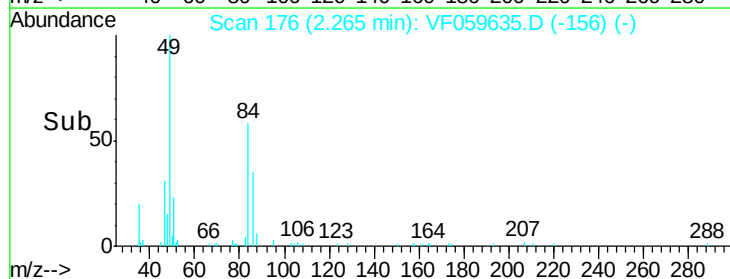
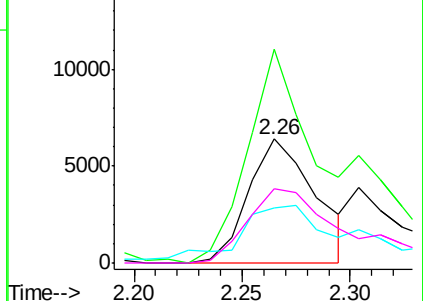


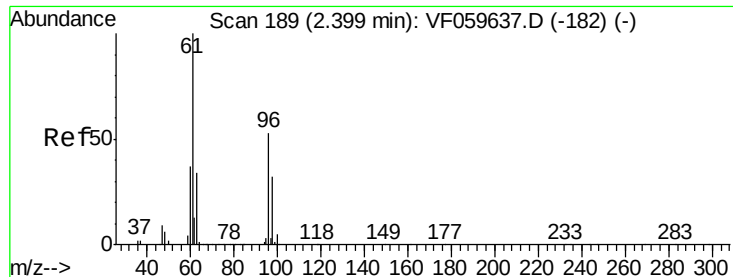
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 9.998 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

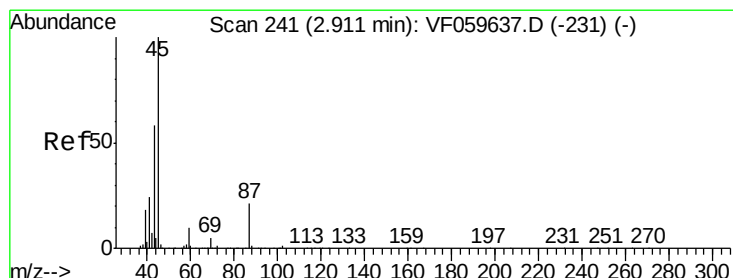
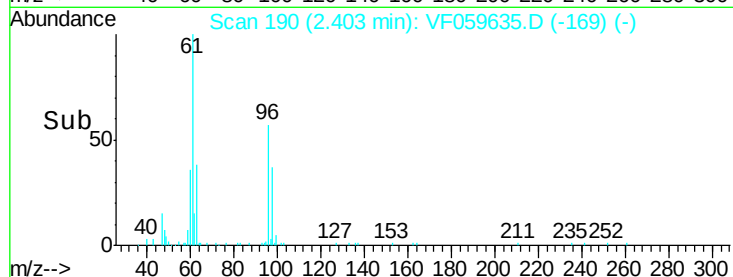
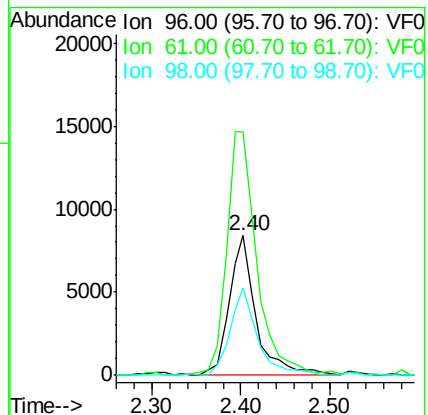
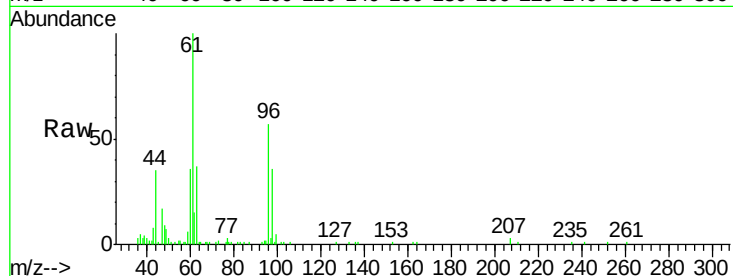
Tgt Ion: 96 Resp: 17746

Ion Ratio Lower Upper

96 100

61 174.7 151.4 227.2

98 62.8 49.0 73.6



#22

Diisopropyl ether

Concen: 10.406 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Tgt Ion: 45 Resp: 58892

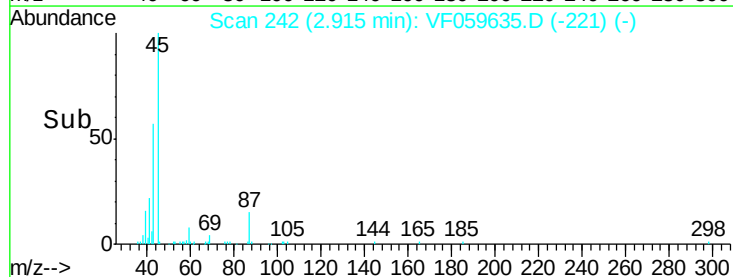
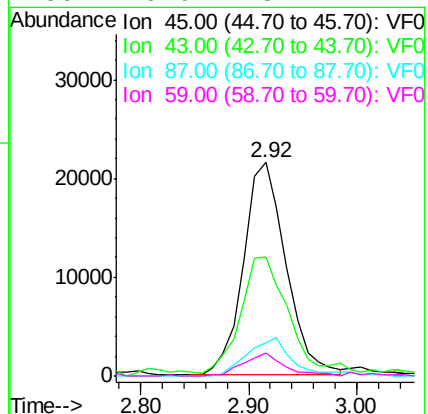
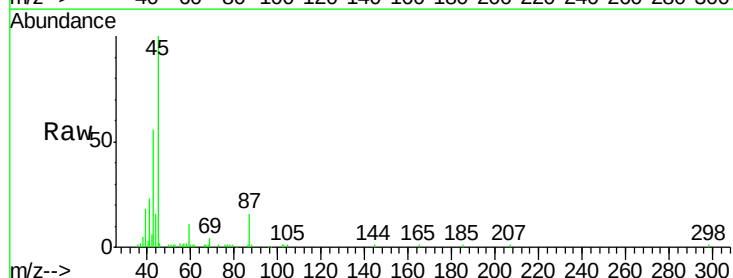
Ion Ratio Lower Upper

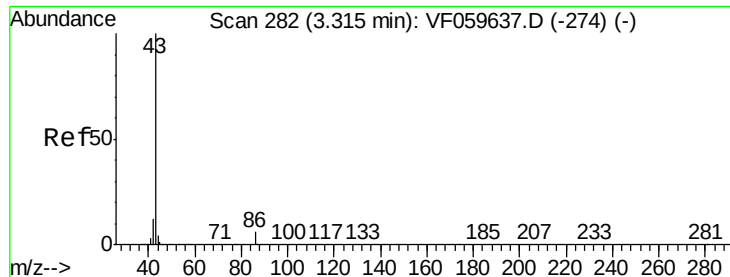
45 100

43 55.8 46.5 69.7

87 15.5 16.5 24.7#

59 10.6 8.2 12.2





#23

Vinyl Acetate

Concen: 49.187 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

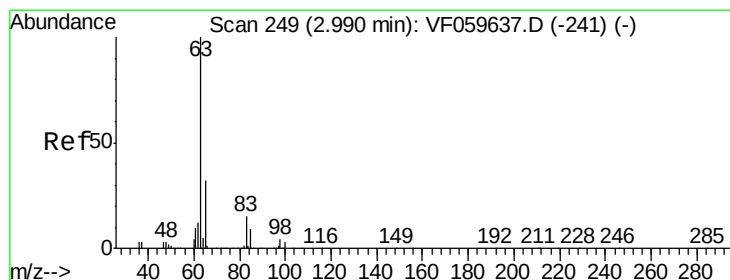
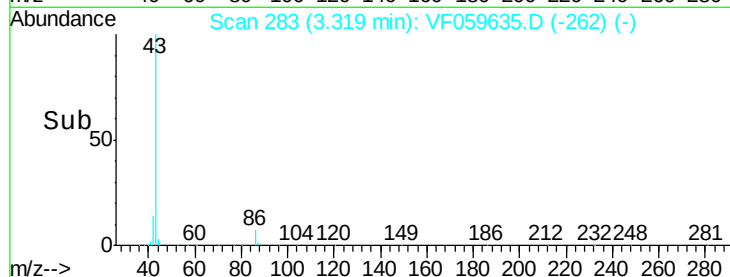
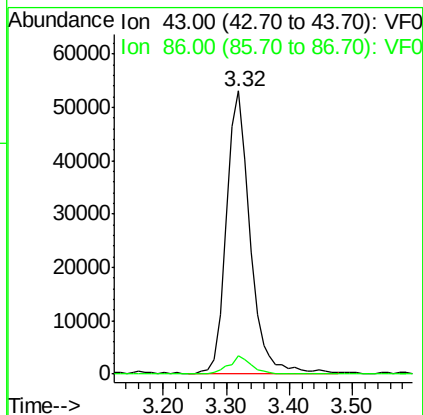
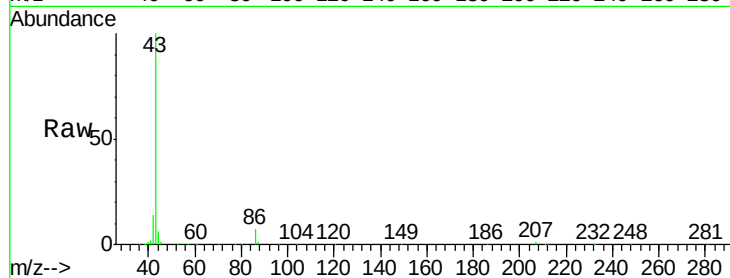
VSTDIC010

Tgt Ion: 43 Resp: 138723

Ion Ratio Lower Upper

43 100

86 6.7 4.5 6.7



#24

1,1-Dichloroethane

Concen: 10.749 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

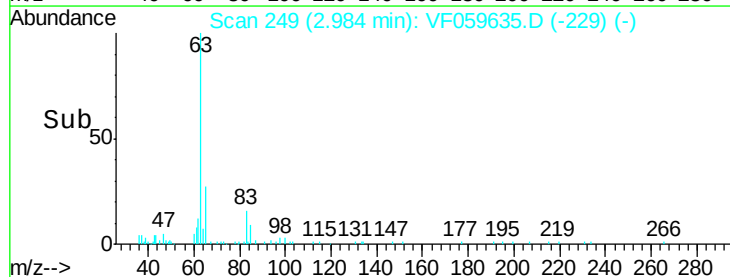
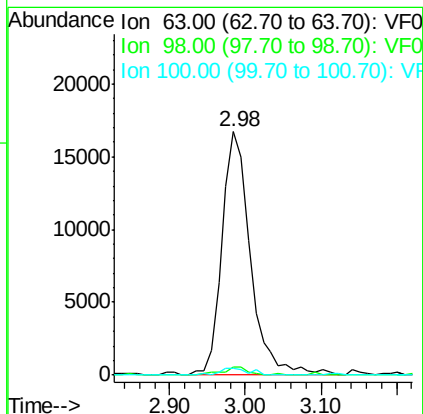
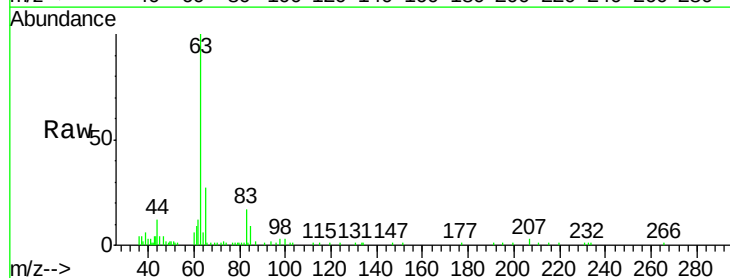
Tgt Ion: 63 Resp: 43819

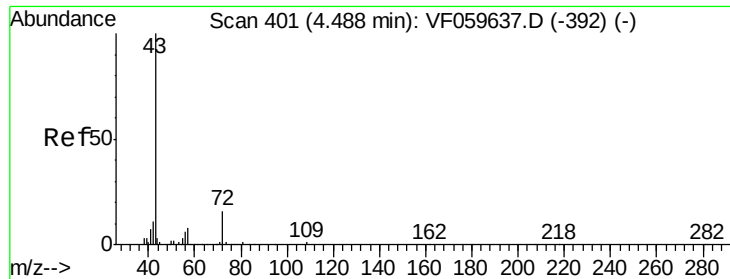
Ion Ratio Lower Upper

63 100

98 3.1 1.8 5.5

100 2.9 1.3 3.9





#25

2-Butanone

Concen: 48.712 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

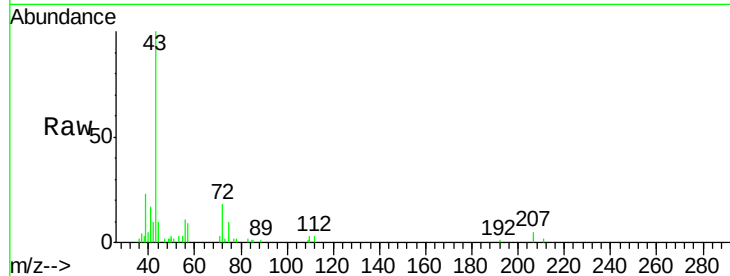
VSTDIC010

Tgt Ion: 43 Resp: 32534

Ion Ratio Lower Upper

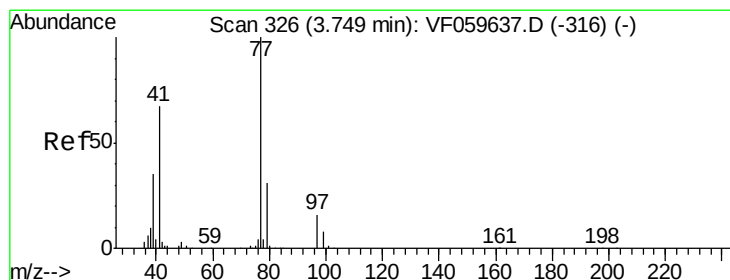
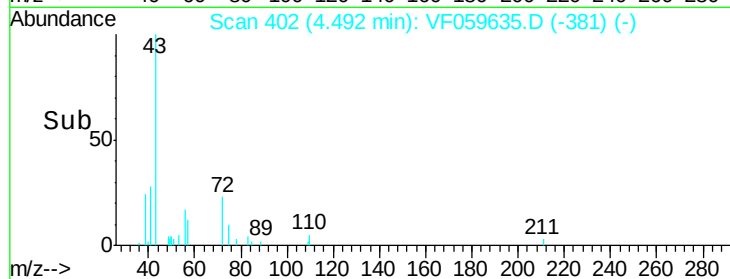
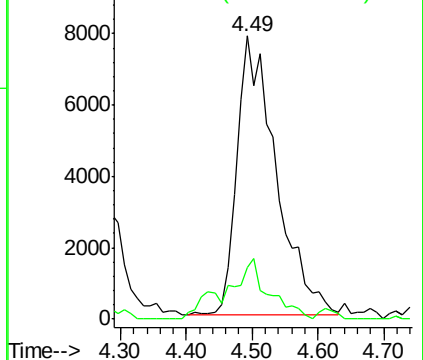
43 100

72 18.0 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 10.850 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059635.D

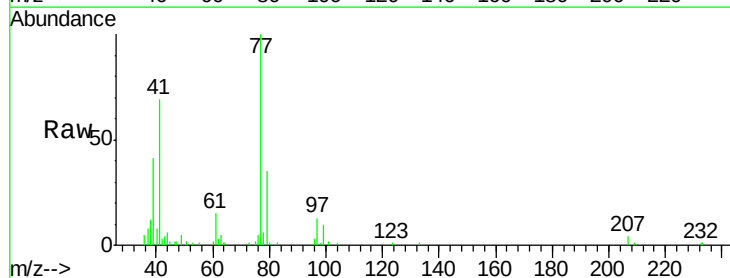
Acq: 24 Jul 2018 16:35

Tgt Ion: 77 Resp: 36823

Ion Ratio Lower Upper

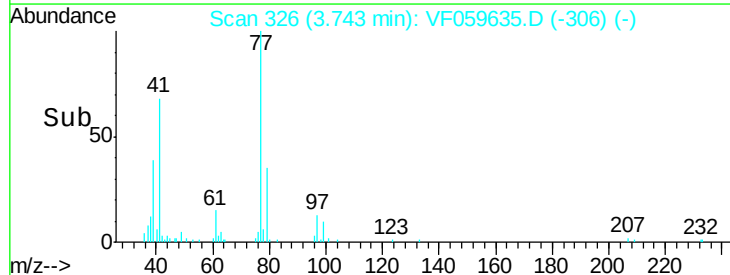
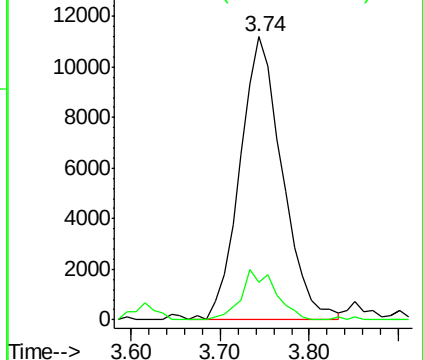
77 100

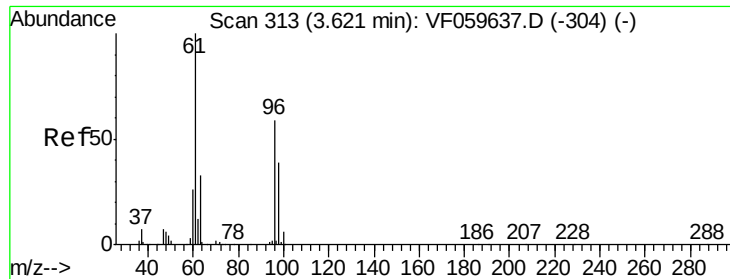
97 13.2 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



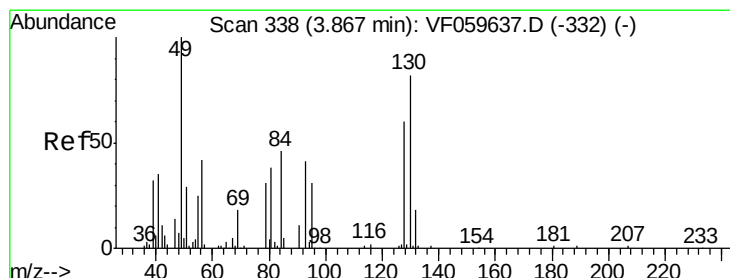
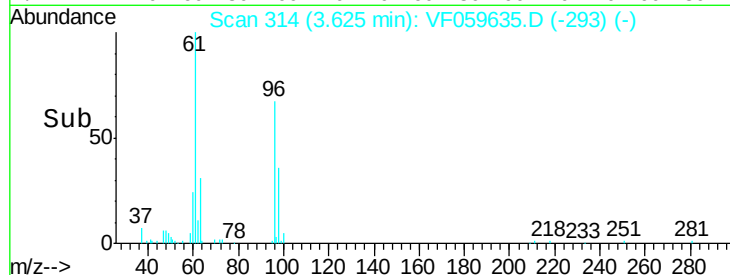
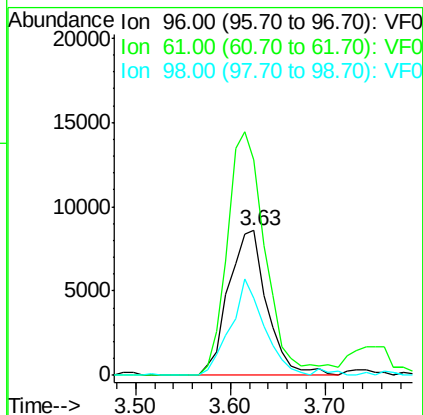
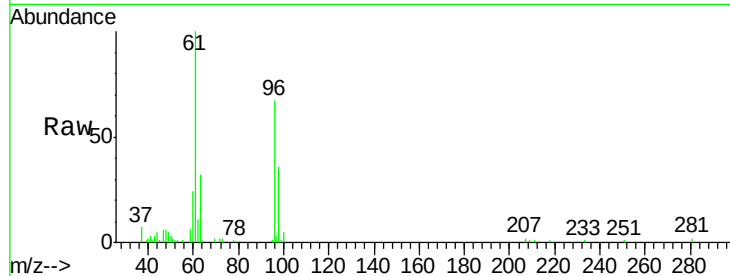


#27

cis-1,2-Dichloroethene
Concen: 11.951 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

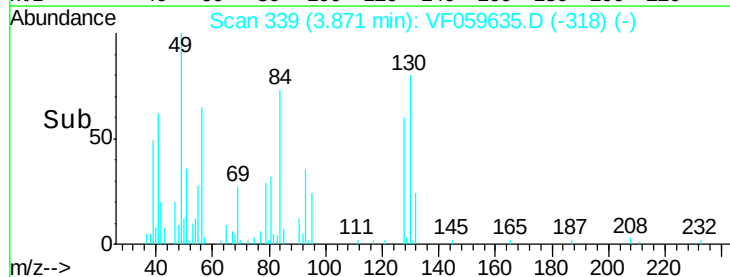
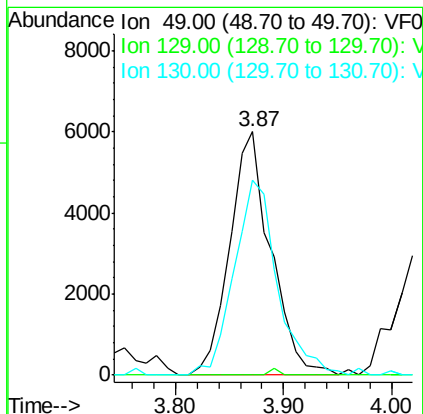
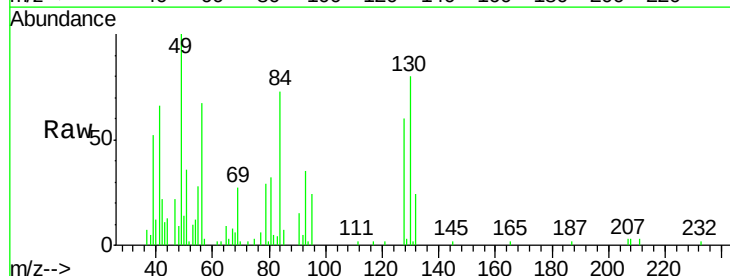
Tgt Ion: 96 Resp: 24342
Ion Ratio Lower Upper
96 100
61 148.5 0.0 337.4
98 55.6 0.0 132.8

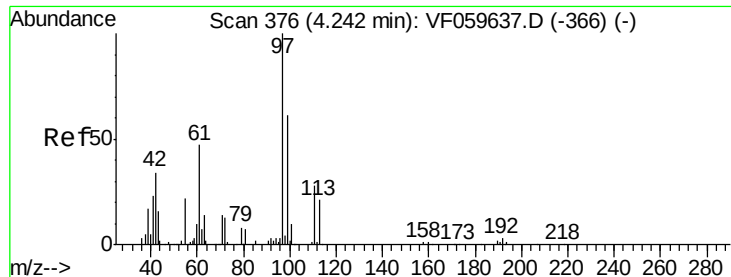


#28

Bromochloromethane
Concen: 10.552 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Tgt Ion: 49 Resp: 15809
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 80.2 65.0 97.4





#29

Tetrahydrofuran

Concen: 50.006 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

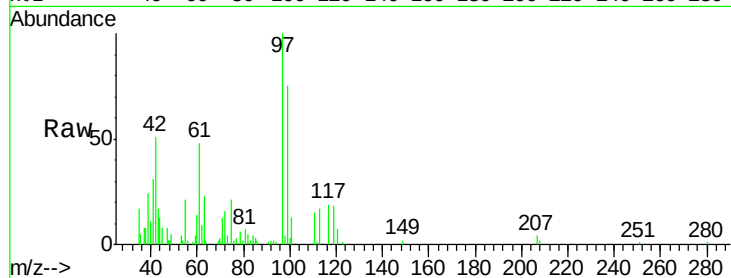
Tgt Ion: 42 Resp: 13607

Ion Ratio Lower Upper

42 100

72 35.3 30.0 45.0

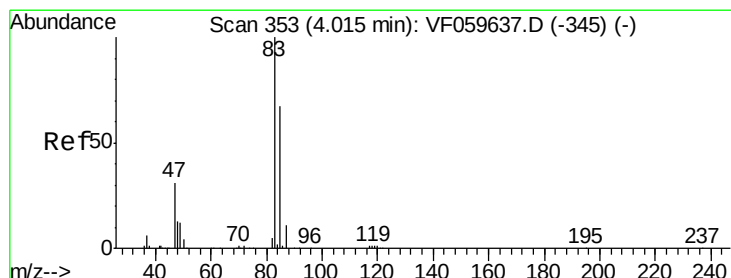
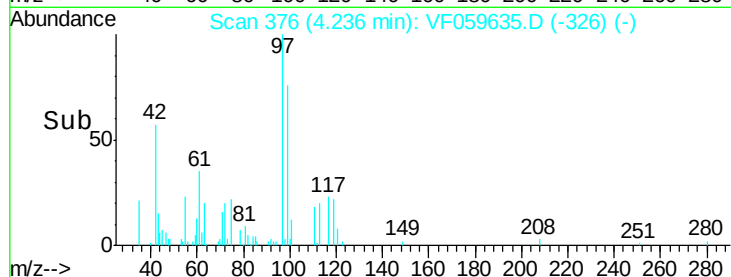
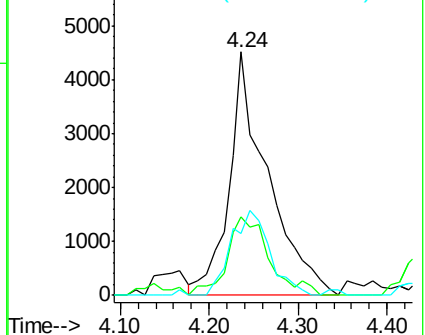
71 35.2 28.6 42.8



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 10.643 ug/l

RT: 4.02 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF059635.D

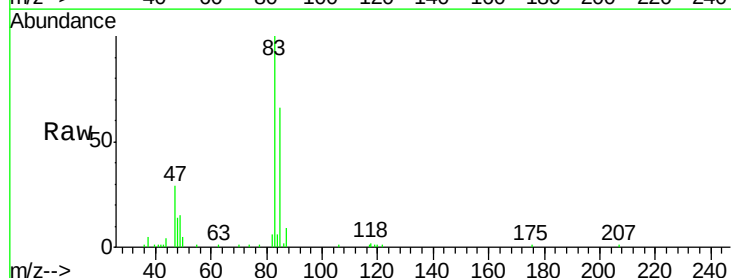
Acq: 24 Jul 2018 16:35

Tgt Ion: 83 Resp: 59891

Ion Ratio Lower Upper

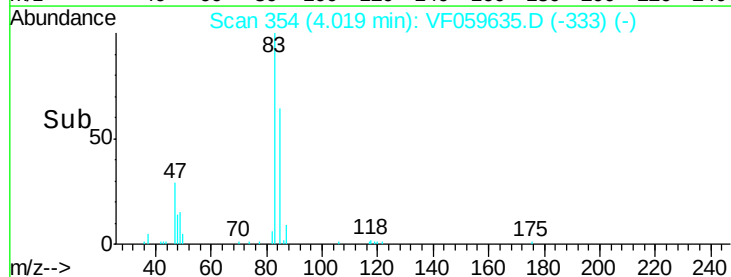
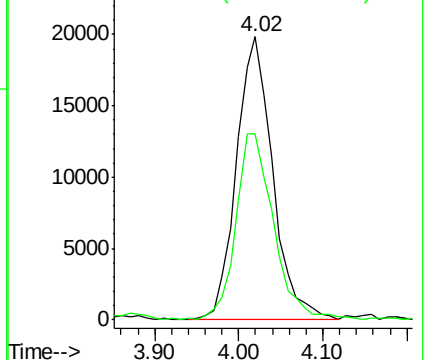
83 100

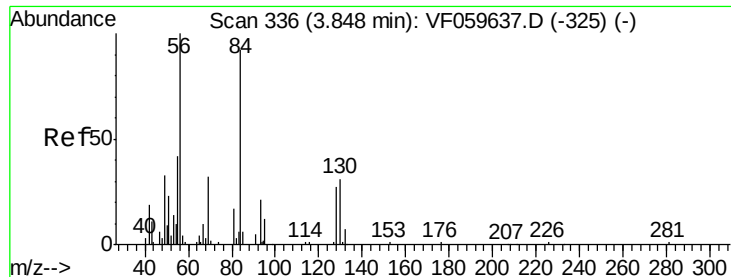
85 65.8 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 11.323 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

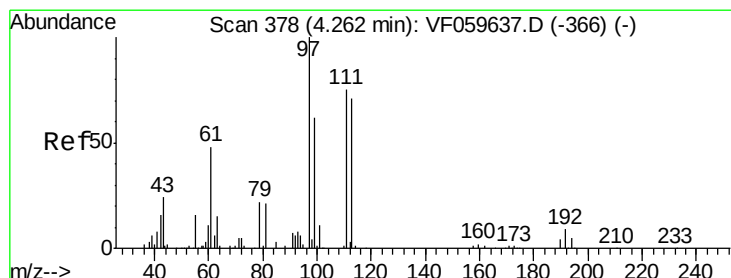
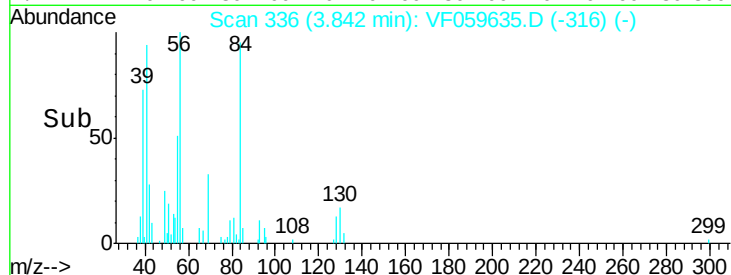
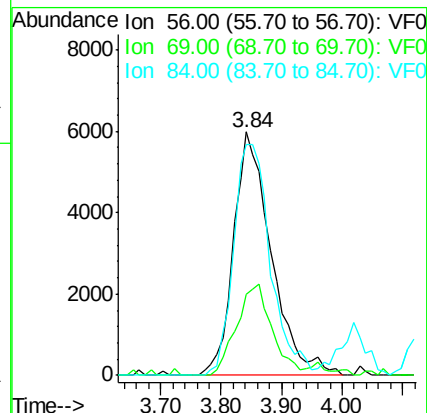
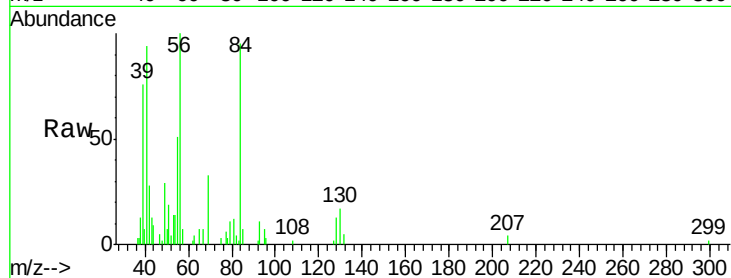
Tgt Ion: 56 Resp: 25877

Ion Ratio Lower Upper

56 100

69 33.3 26.0 39.0

84 94.6 73.5 110.3



#32

1,1,1-Trichloroethane

Concen: 10.257 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

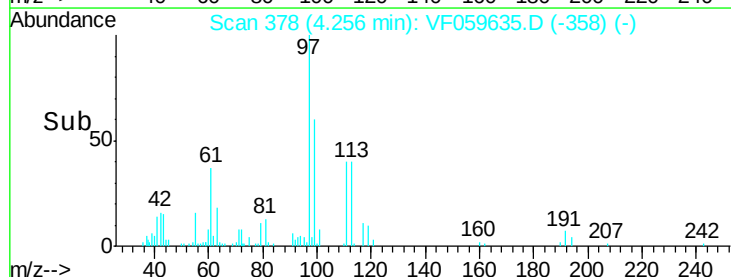
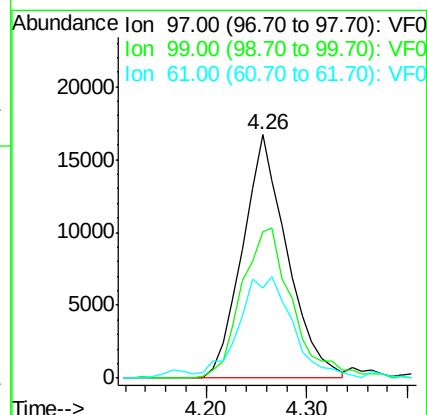
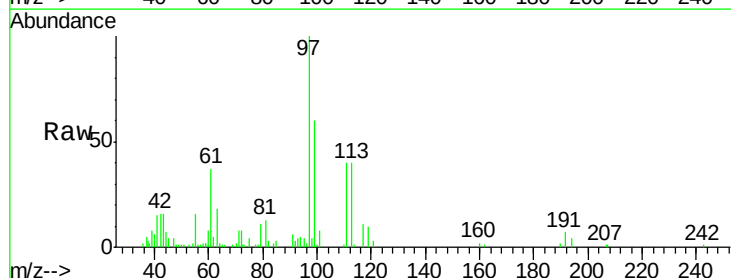
Tgt Ion: 97 Resp: 51630

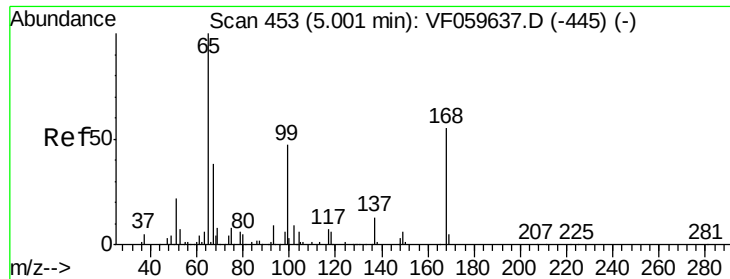
Ion Ratio Lower Upper

97 100

99 60.0 49.8 74.6

61 36.9 38.9 58.3#

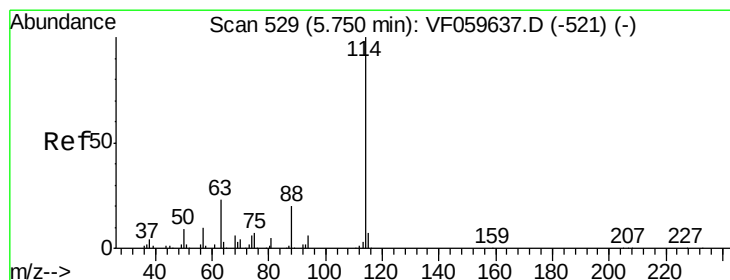
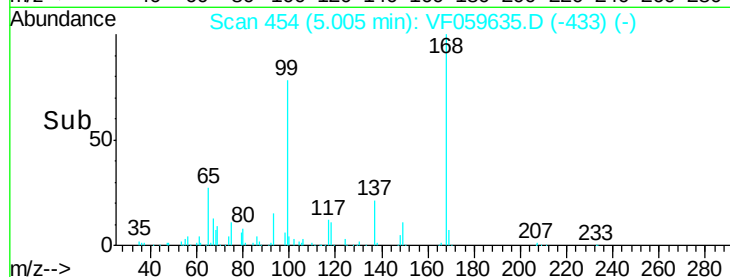
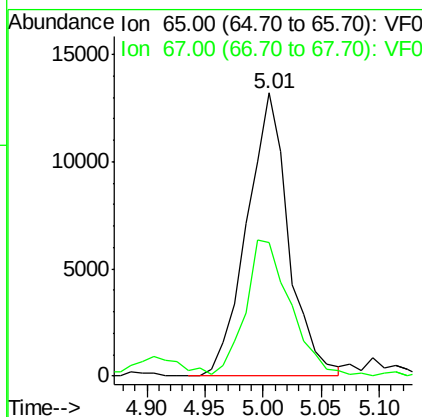
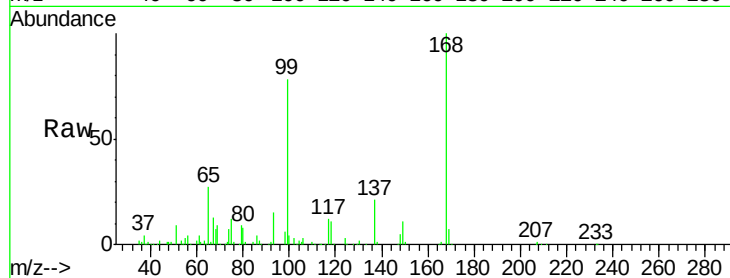




#33
 1,2-Dichloroethane-d4
 Concen: 8.602 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

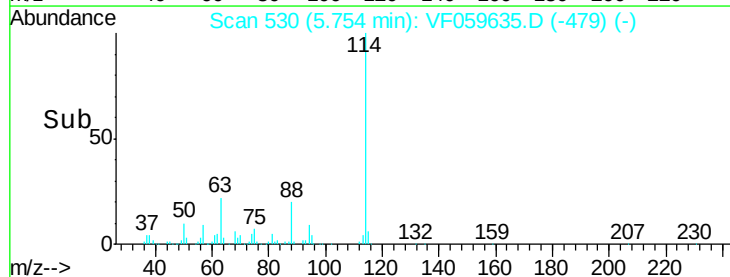
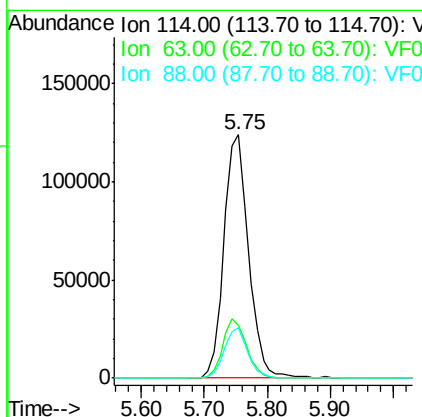
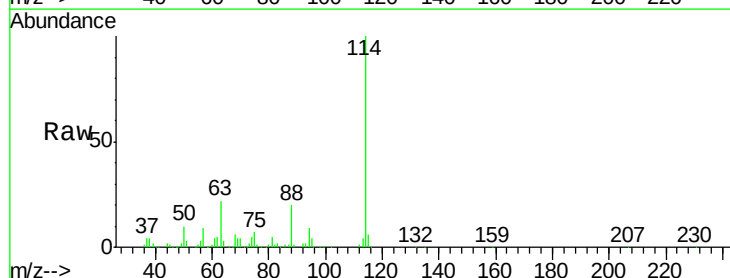
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

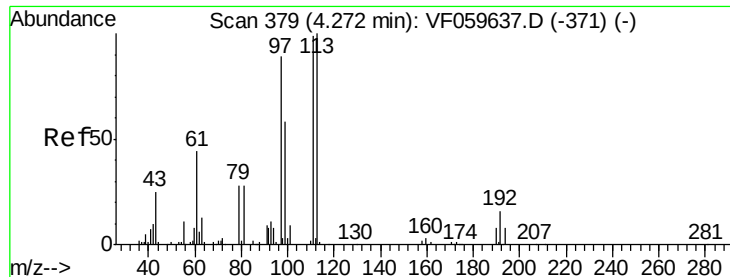
Tgt Ion: 65 Resp: 32751
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 86.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion: 114 Resp: 336642
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.6
 88 20.4 0.0 40.8





#35

Dibromofluoromethane

Concen: 10.343 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

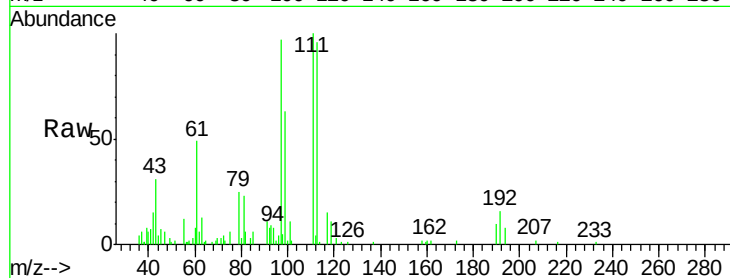
Tgt Ion:113 Resp: 31857

Ion Ratio Lower Upper

113 100

111 103.2 79.3 118.9

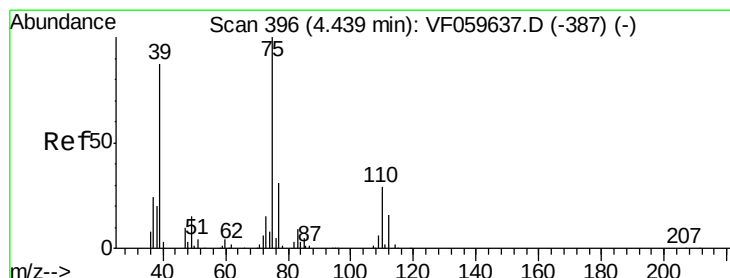
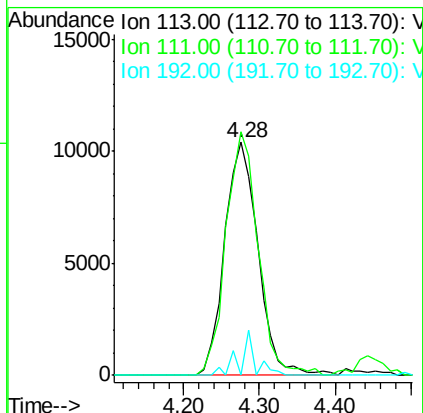
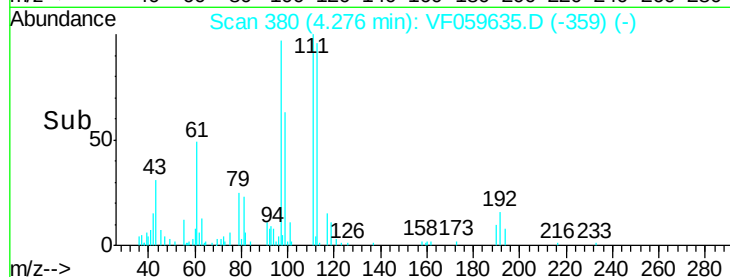
192 0.0 13.4 20.2#



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: 11.478 ug/l

RT: 4.44 min Scan# 397

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

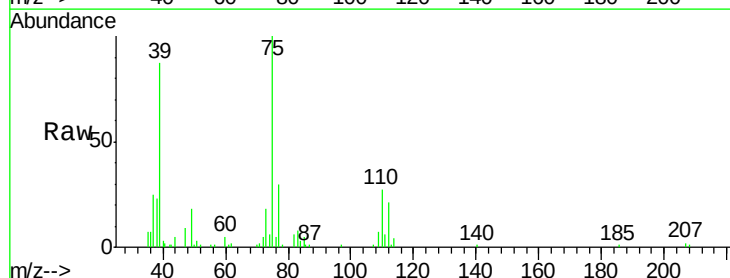
Tgt Ion: 75 Resp: 38856

Ion Ratio Lower Upper

75 100

110 27.4 14.6 43.8

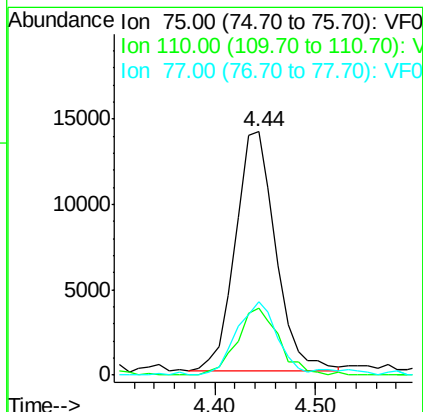
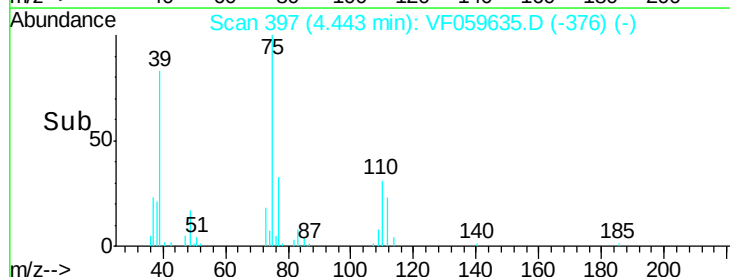
77 30.1 24.4 36.6

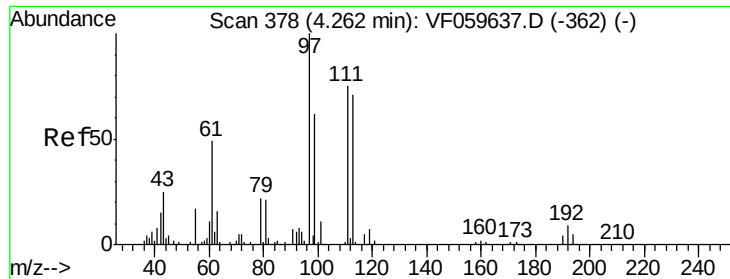


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

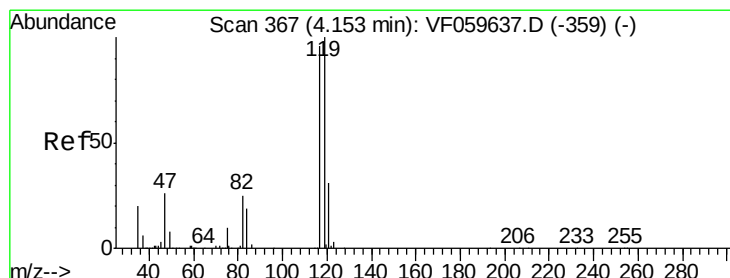
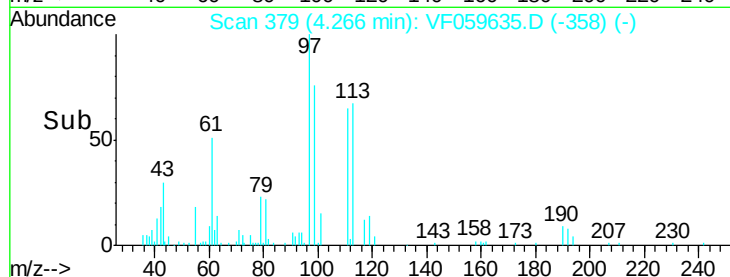
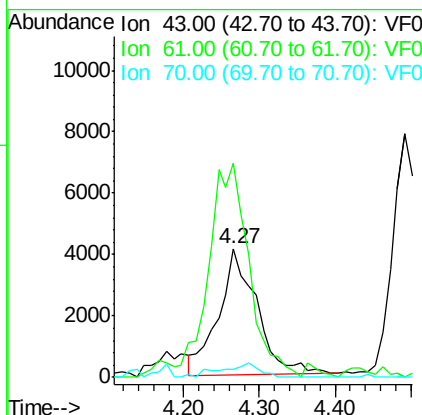
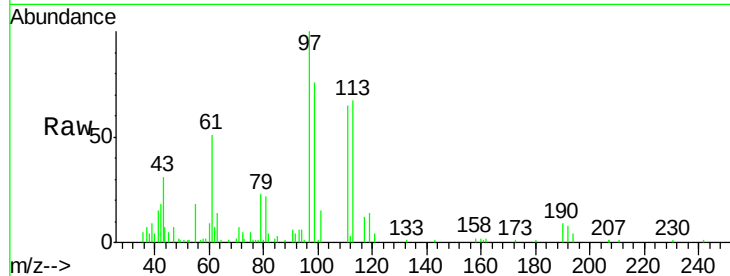




#37
 Ethyl Acetate
 Concen: 10.885 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

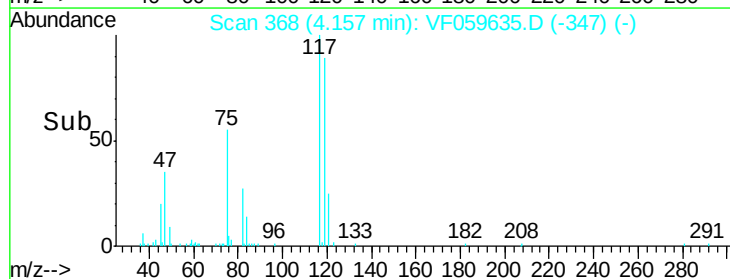
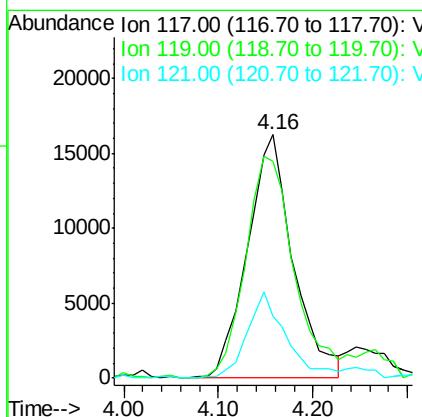
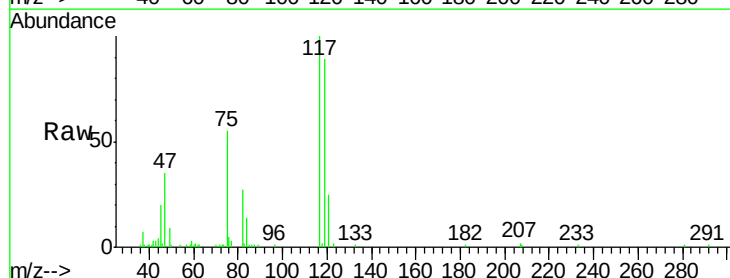
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

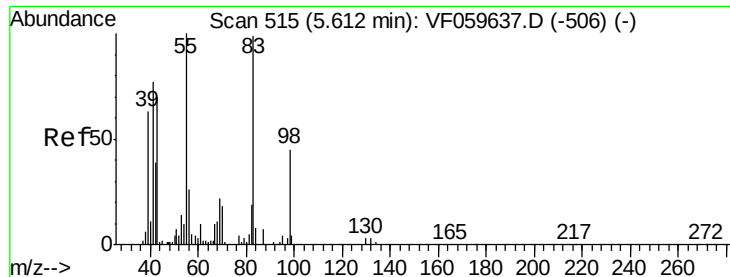
Tgt Ion: 43 Resp: 14501
 Ion Ratio Lower Upper
 43 100
 61 166.3 156.6 234.8
 70 6.3 7.3 10.9#



#38
 Carbon Tetrachloride
 Concen: 10.647 ug/l
 RT: 4.16 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion: 117 Resp: 54560
 Ion Ratio Lower Upper
 117 100
 119 89.0 83.0 124.6
 121 25.3 26.2 39.4#

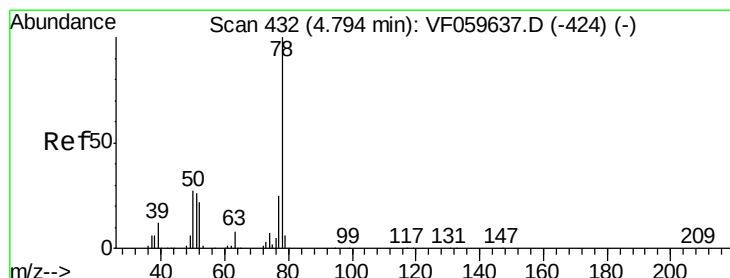
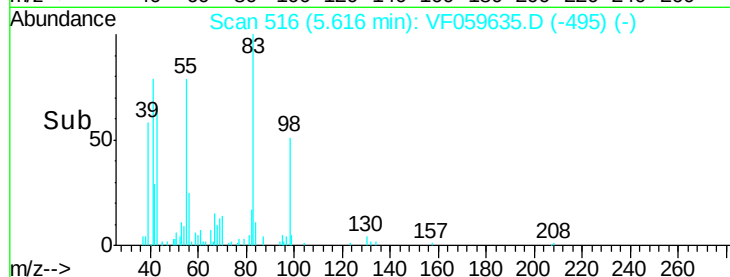
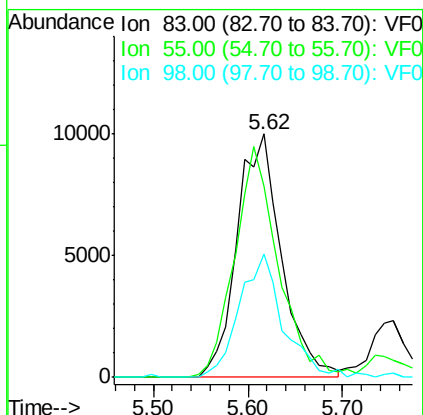
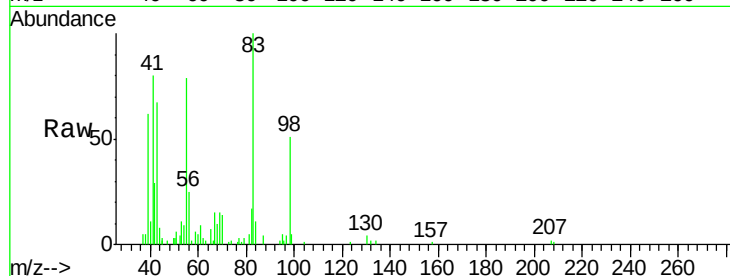




#39
Methylcyclohexane
Concen: 11.931 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

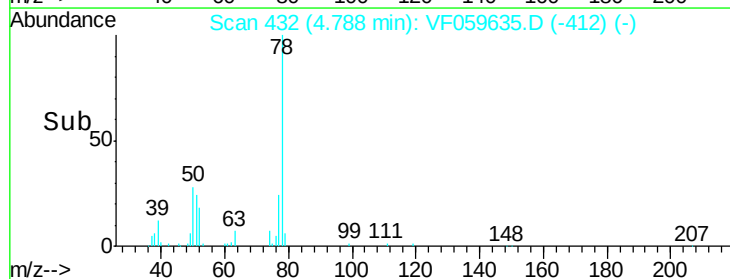
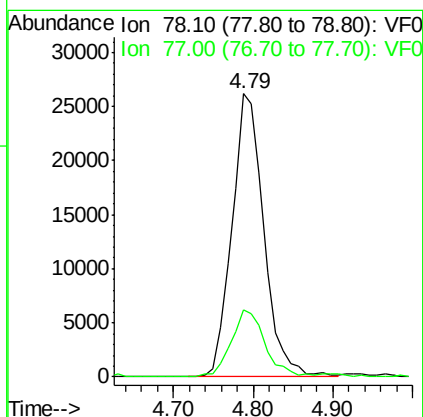
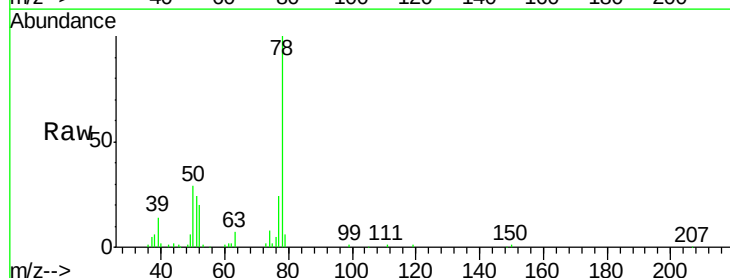
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

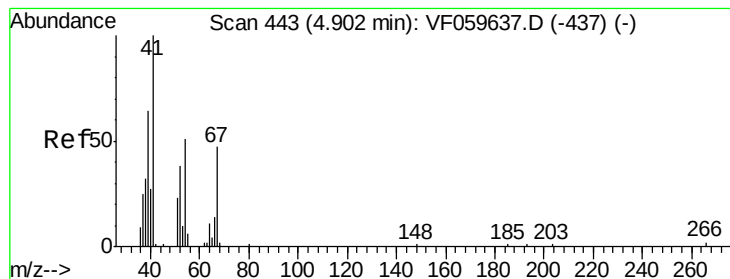
Tgt Ion: 83 Resp: 32578
Ion Ratio Lower Upper
83 100
55 78.7 81.5 122.3#
98 50.5 36.7 55.1



#40
Benzene
Concen: 11.818 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Tgt Ion: 78 Resp: 73140
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6





#41

Methacrylonitrile

Concen: 11.734 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 7721

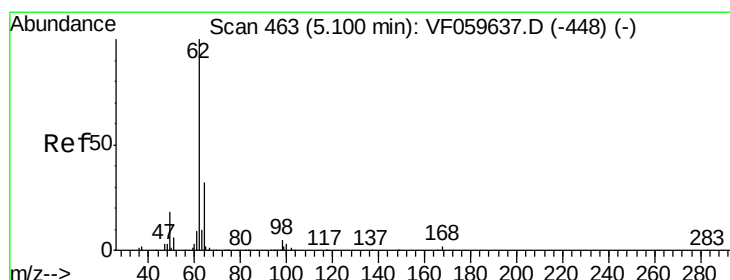
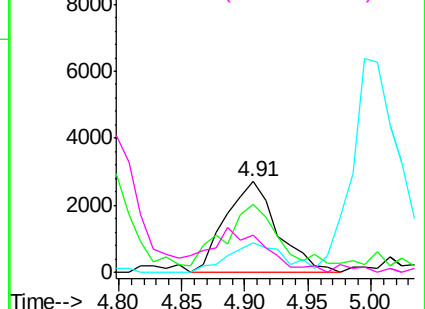
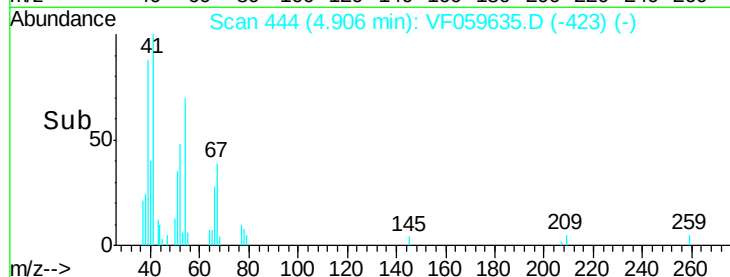
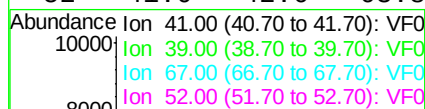
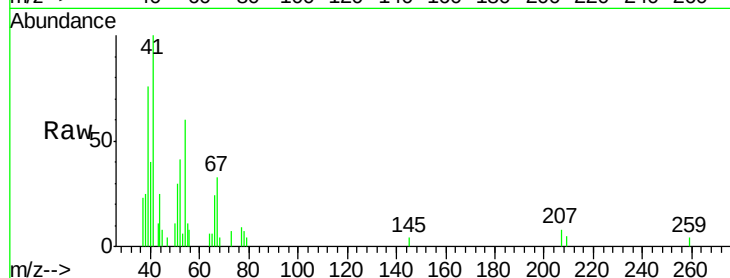
Ion Ratio Lower Upper

41 100

39 75.9 56.9 85.3

67 33.2 36.6 54.8#

52 41.0 42.6 63.8#



#42

1,2-Dichloroethane

Concen: 10.266 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.00 min

Lab File: VF059635.D

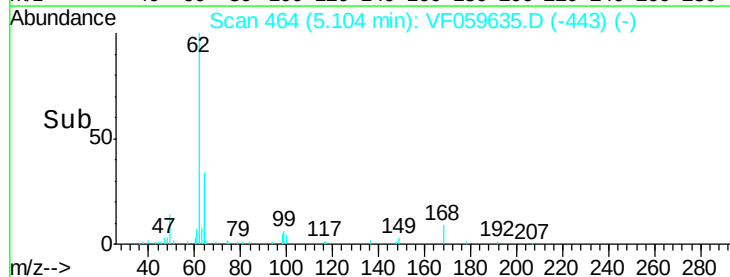
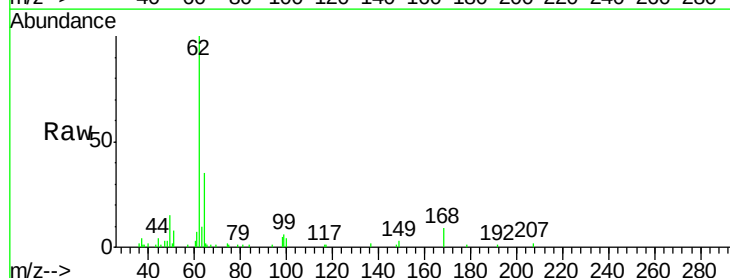
Acq: 24 Jul 2018 16:35

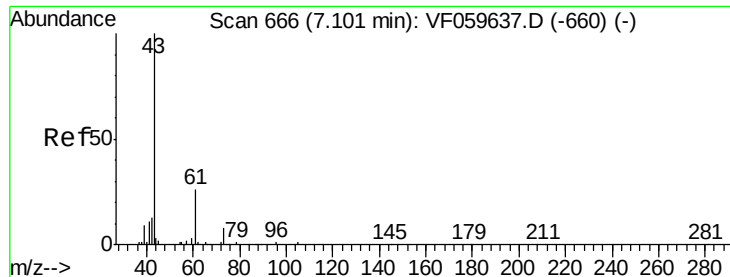
Tgt Ion: 62 Resp: 42034

Ion Ratio Lower Upper

62 100

98 4.6 0.0 10.6





#43

Isopropyl Acetate

Concen: 9.191 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

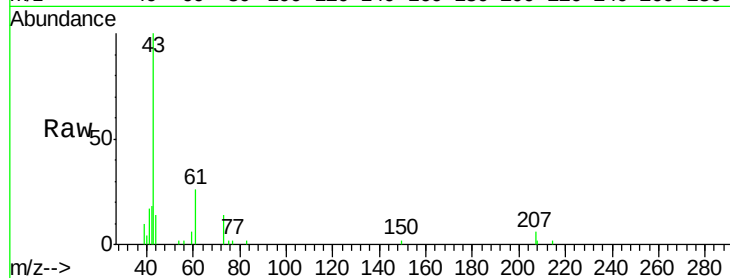
Tgt Ion: 43 Resp: 15248

Ion Ratio Lower Upper

43 100

61 26.2 20.5 30.7

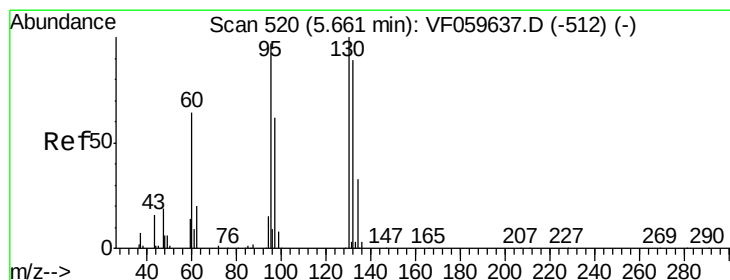
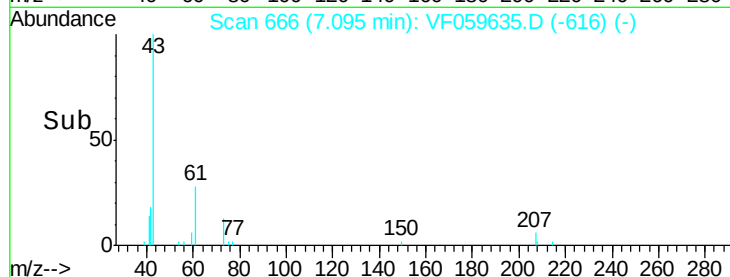
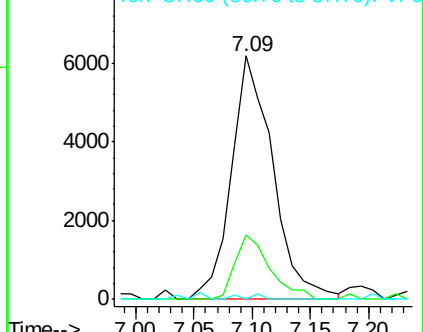
87 0.0 0.4 0.6#



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: 11.739 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF059635.D

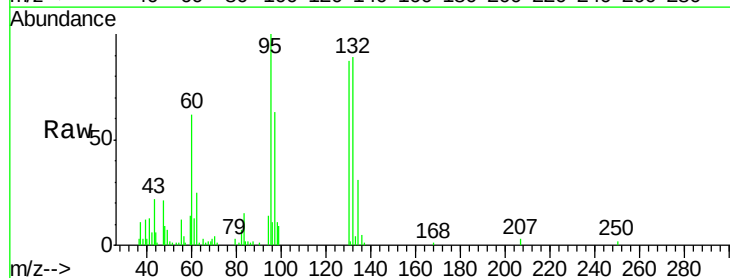
Acq: 24 Jul 2018 16:35

Tgt Ion: 130 Resp: 27721

Ion Ratio Lower Upper

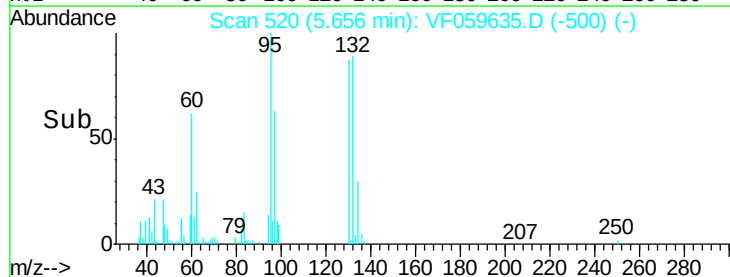
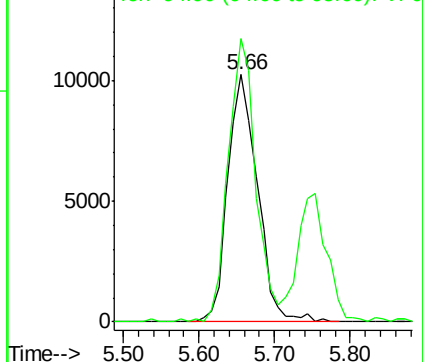
130 100

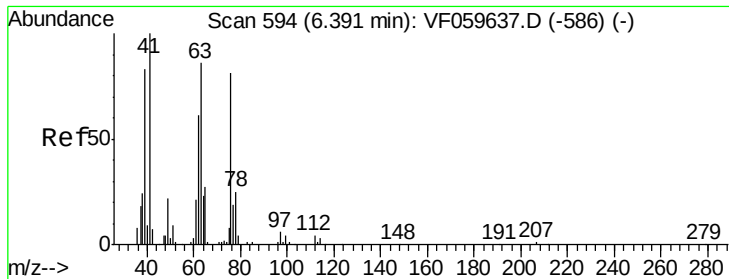
95 114.6 0.0 193.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

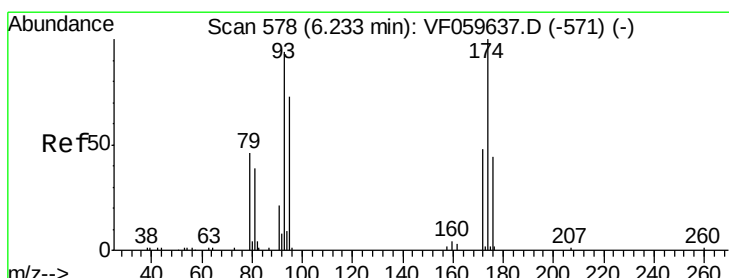
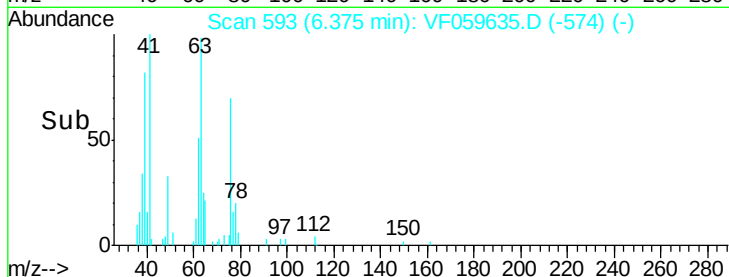
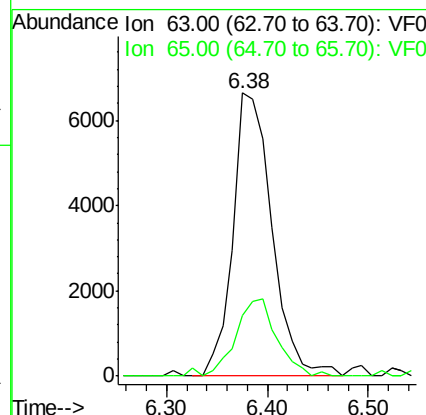
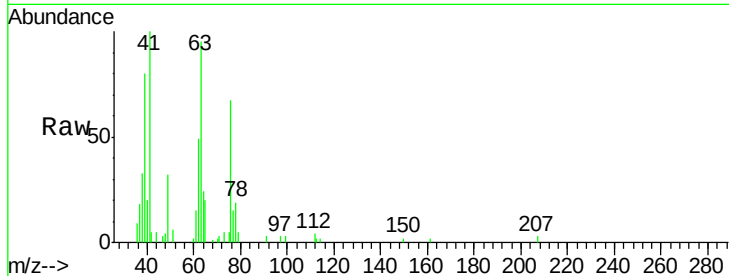




#45
 1,2-Dichloropropane
 Concen: 10.808 ug/l
 RT: 6.38 min Scan# 593
 Delta R.T. -0.02 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

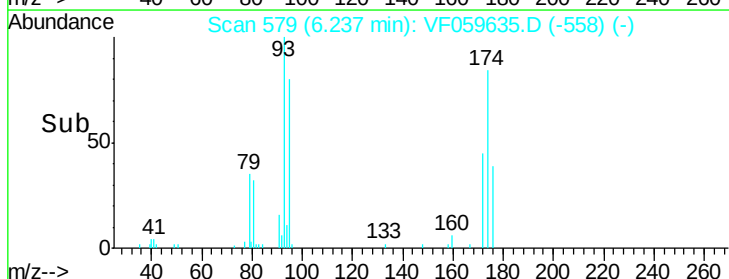
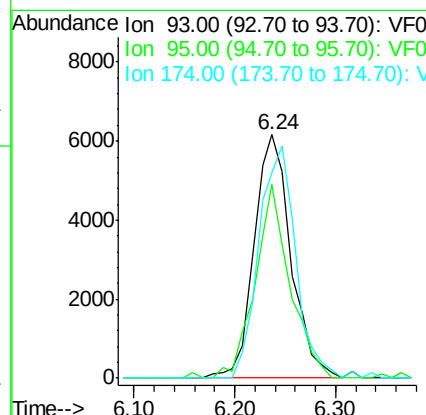
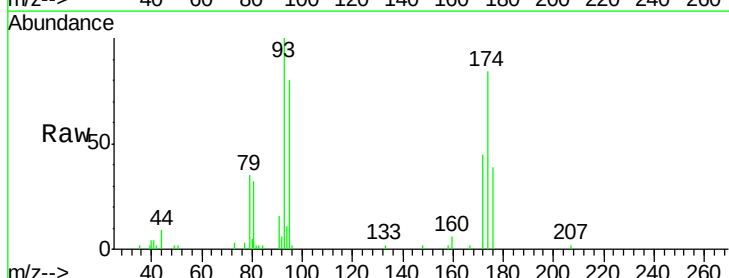
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

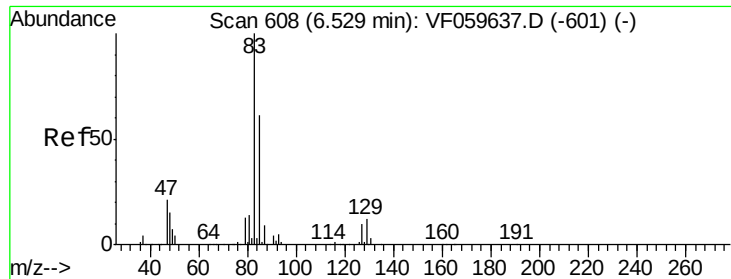
Tgt Ion: 63 Resp: 17886
 Ion Ratio Lower Upper
 63 100
 65 21.5 25.1 37.7#



#46
 Dibromomethane
 Concen: 11.622 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion: 93 Resp: 15634
 Ion Ratio Lower Upper
 93 100
 95 79.7 63.1 94.7
 174 84.2 85.3 127.9#





#47

Bromodichloromethane

Concen: 10.026 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

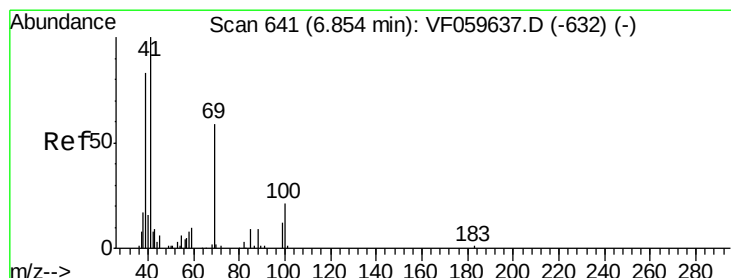
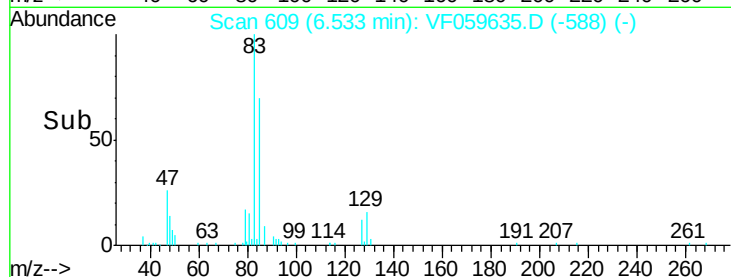
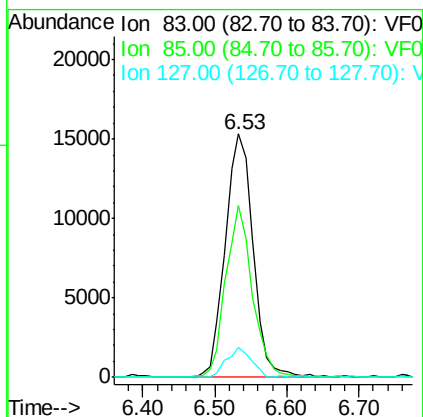
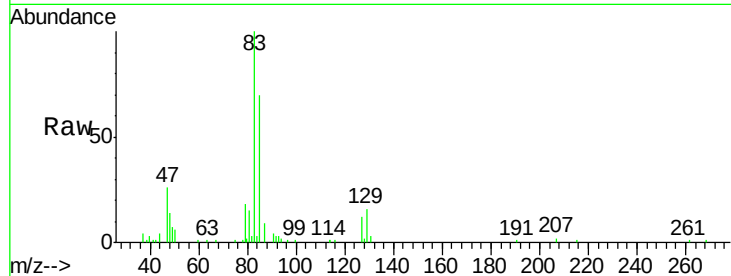
Tgt Ion: 83 Resp: 41300

Ion Ratio Lower Upper

83 100

85 70.5 48.6 72.8

127 12.3 7.7 11.5#



#48

Methyl methacrylate

Concen: 9.162 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

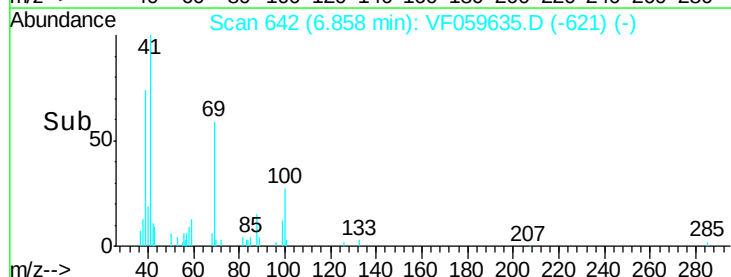
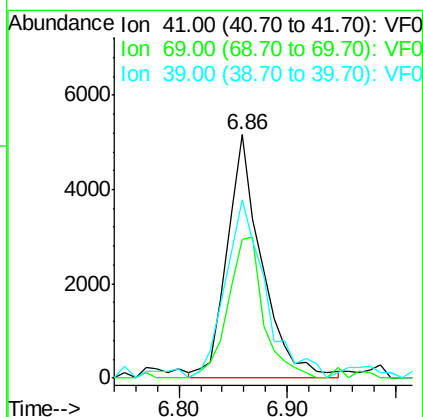
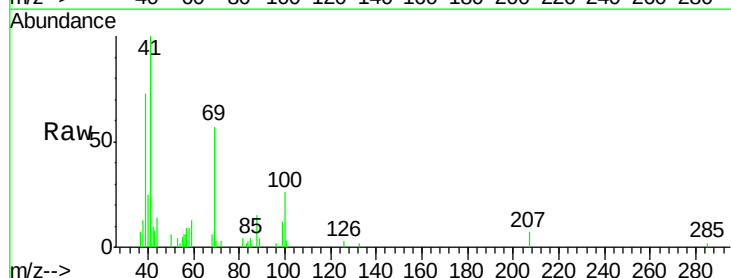
Tgt Ion: 41 Resp: 11573

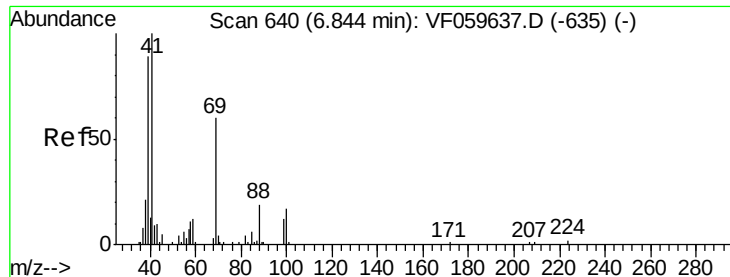
Ion Ratio Lower Upper

41 100

69 56.9 47.5 71.3

39 73.5 67.0 100.6





#49

1,4-Dioxane

Concen: 204.641 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

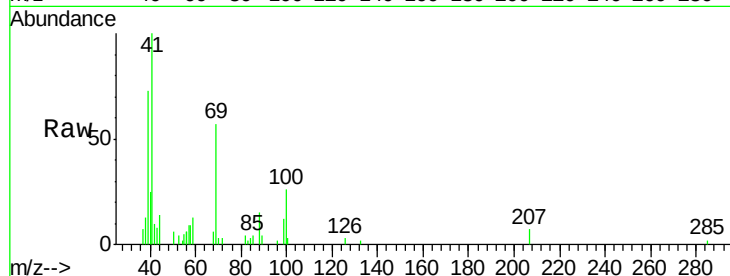
Tgt Ion: 88 Resp: 1817

Ion Ratio Lower Upper

88 100

43 56.9 45.3 67.9

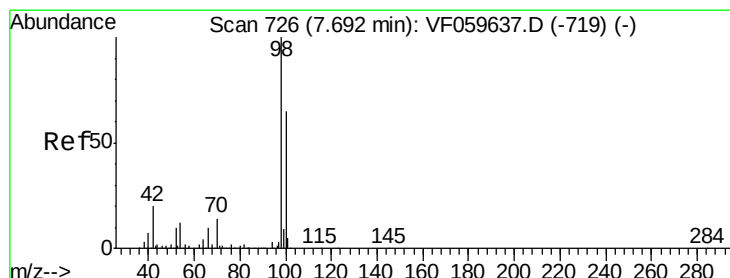
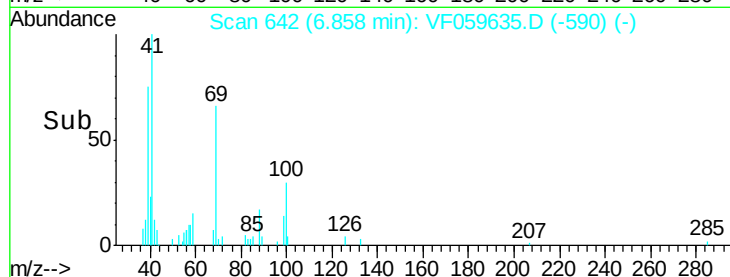
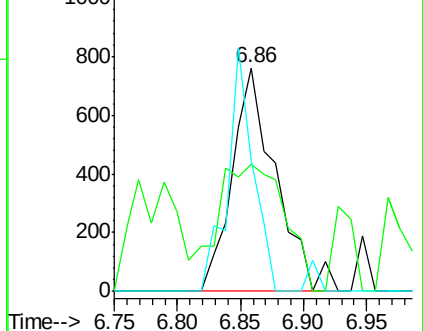
58 58.5 47.7 71.5



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 9.480 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF059635.D

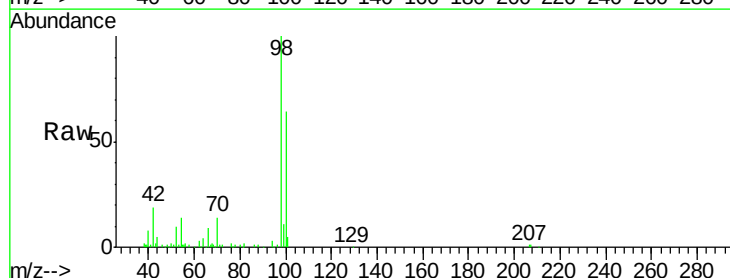
Acq: 24 Jul 2018 16:35

Tgt Ion: 98 Resp: 73096

Ion Ratio Lower Upper

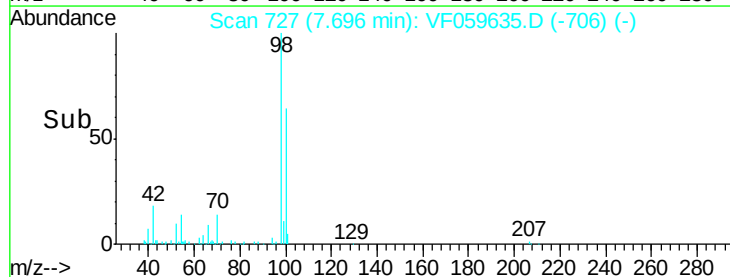
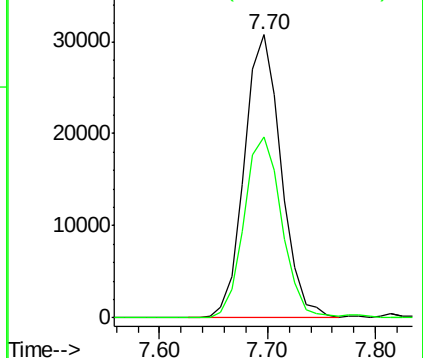
98 100

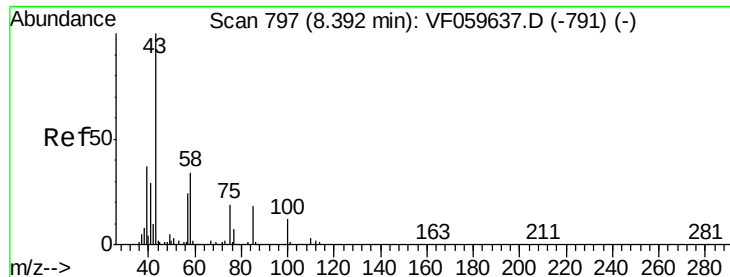
100 64.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

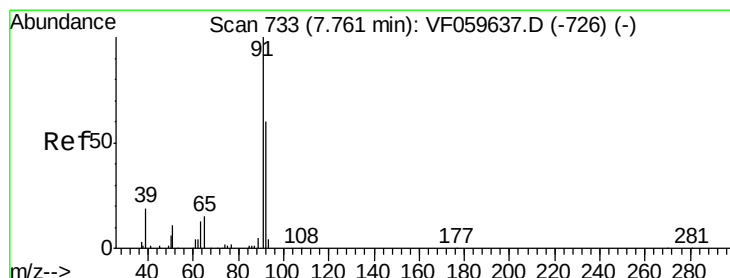
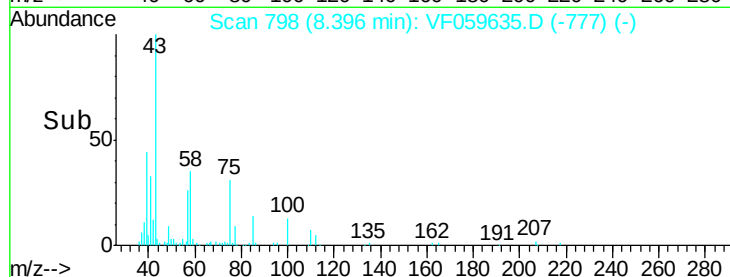
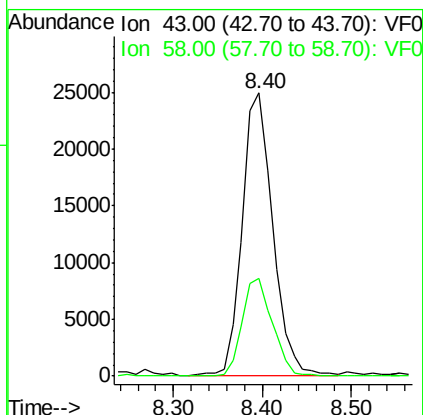
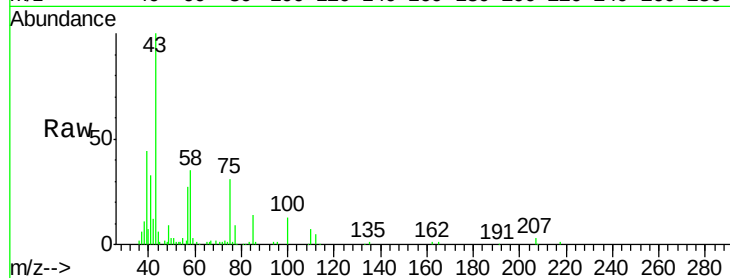




#51
 4-Methyl-2-Pentanone
 Concen: 48.040 ug/l
 RT: 8.40 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

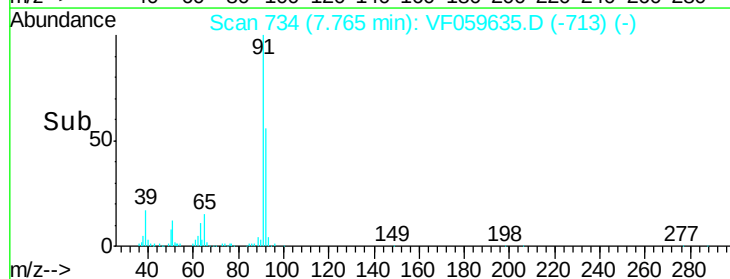
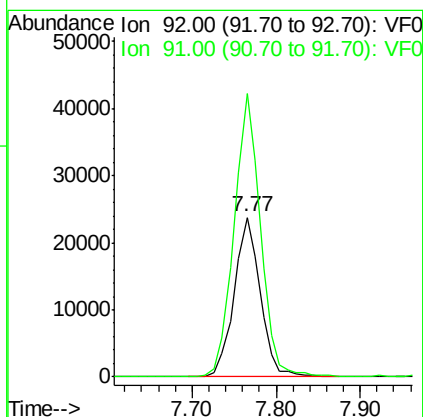
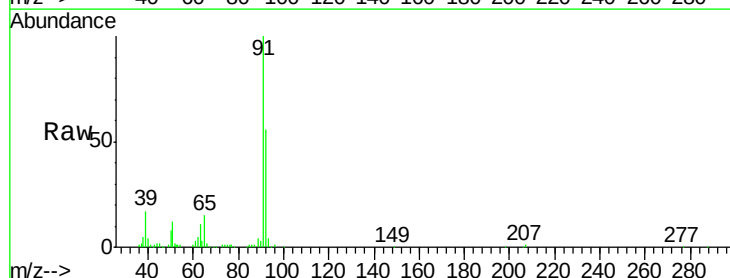
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

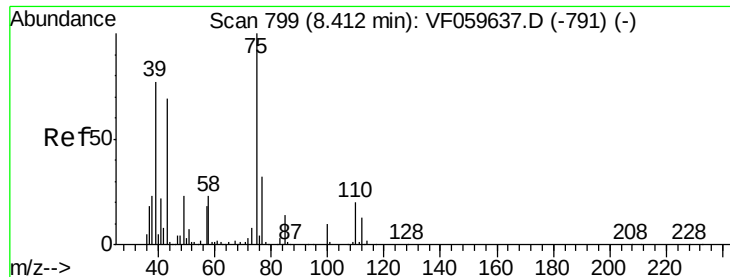
Tgt Ion: 43 Resp: 59620
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.3 40.9



#52
 Toluene
 Concen: 11.016 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion: 92 Resp: 51561
 Ion Ratio Lower Upper
 92 100
 91 177.6 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 10.217 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

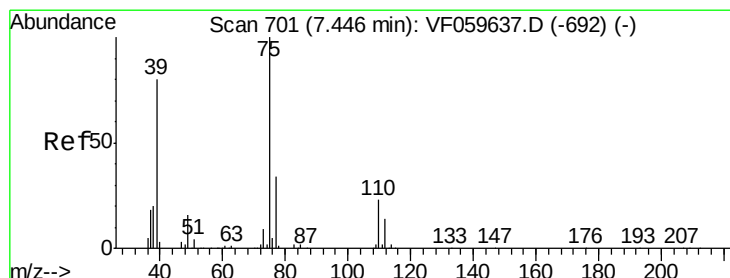
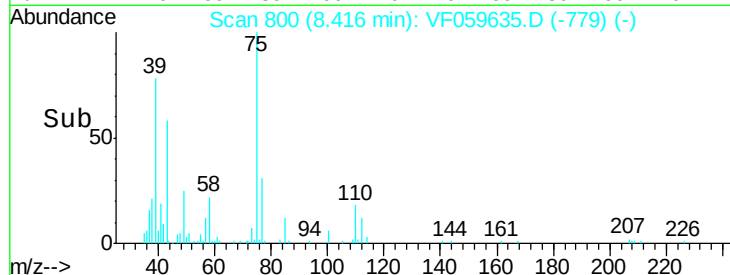
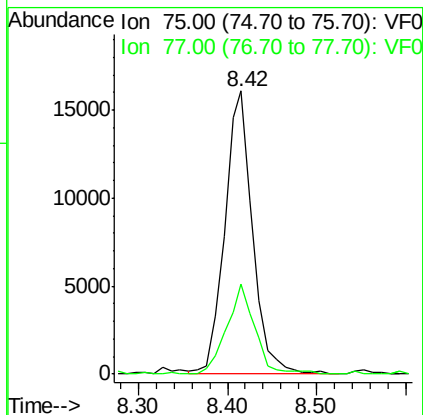
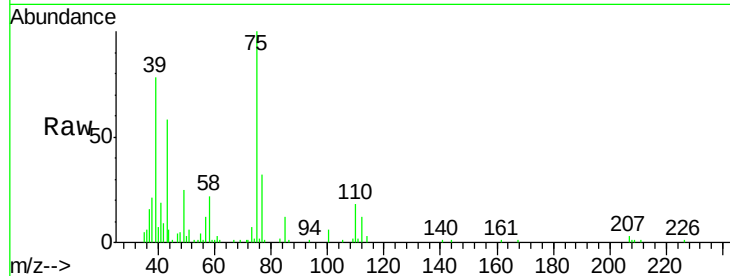
VSTDIC010

Tgt Ion: 75 Resp: 35226

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 10.290 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

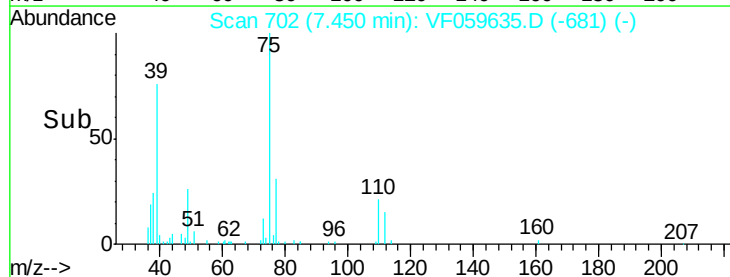
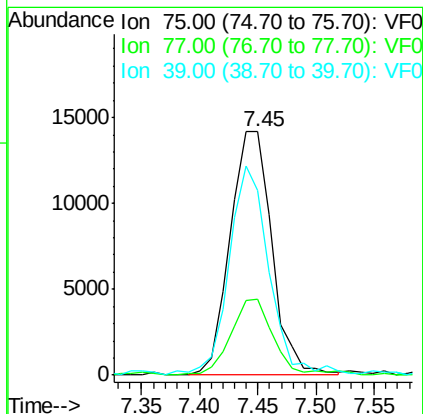
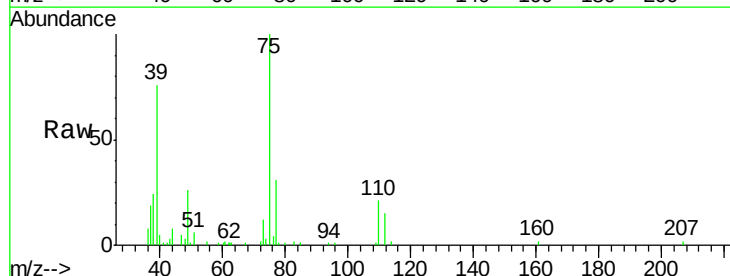
Tgt Ion: 75 Resp: 35345

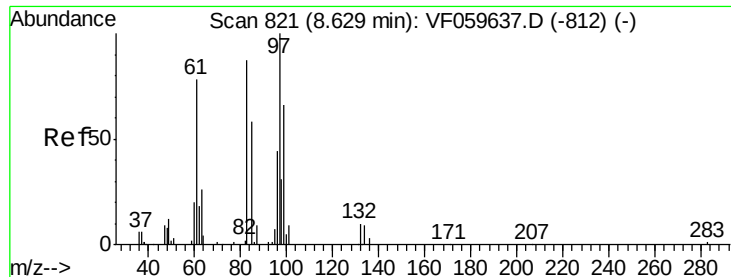
Ion Ratio Lower Upper

75 100

77 31.1 27.5 41.3

39 75.9 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 10.368 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 16098

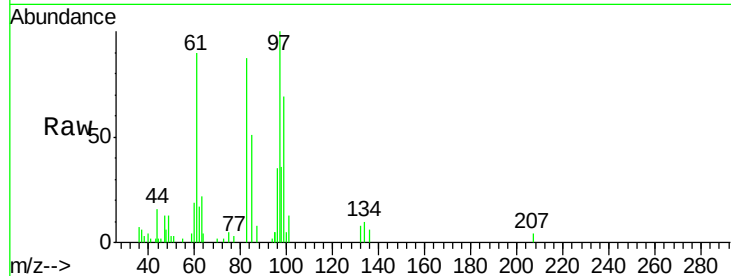
Ion Ratio Lower Upper

97 100

83 87.0 69.5 104.3

85 51.5 46.0 69.0

99 68.7 53.2 79.8

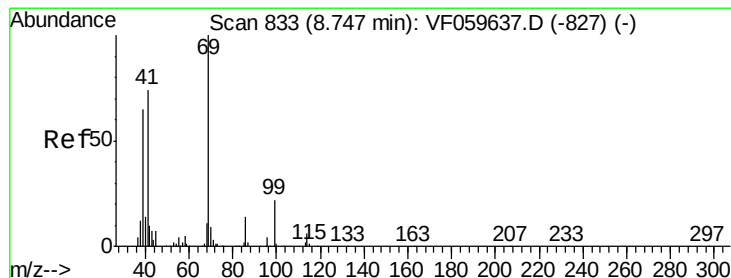
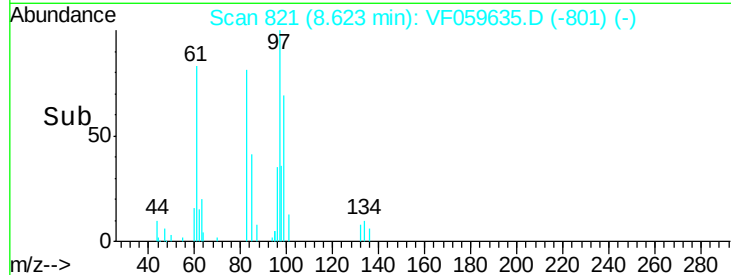
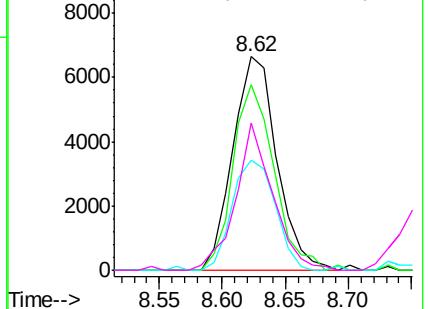


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 9.301 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

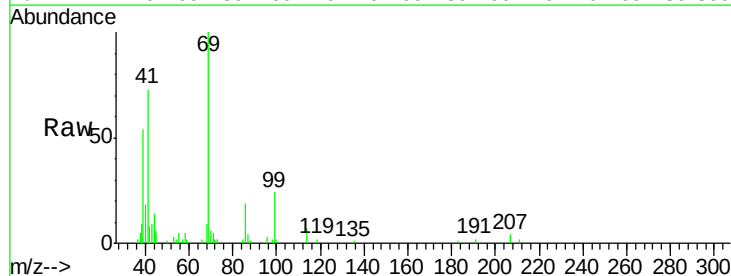
Tgt Ion: 69 Resp: 16010

Ion Ratio Lower Upper

69 100

41 72.7 59.1 88.7

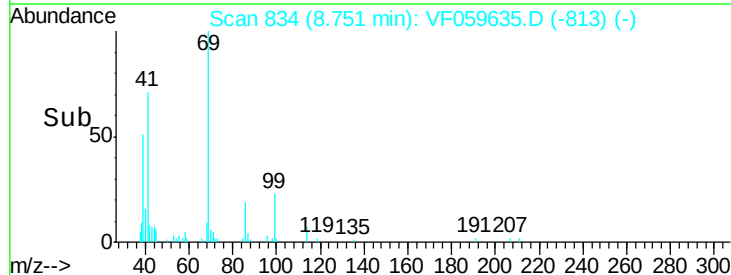
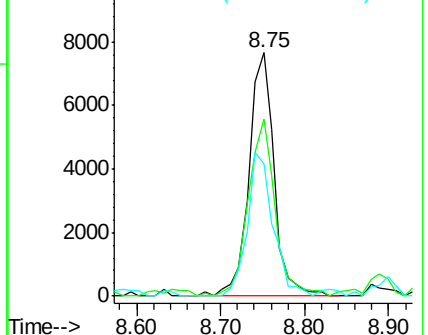
39 54.4 52.4 78.6

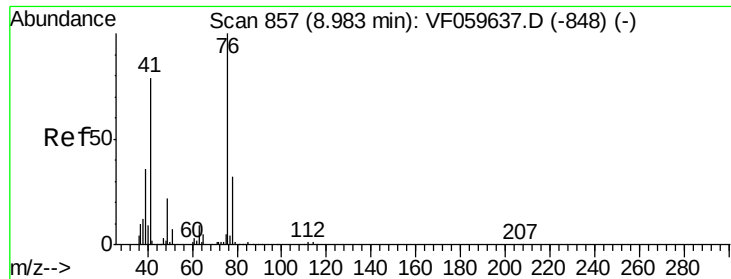


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 10.160 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

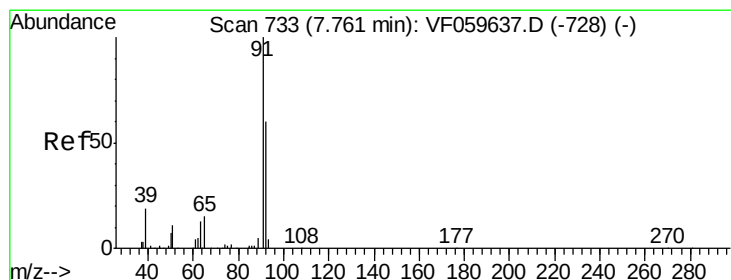
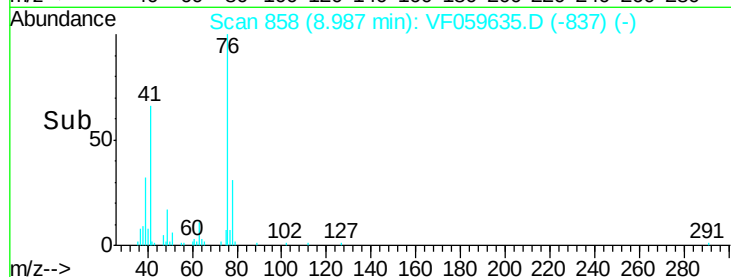
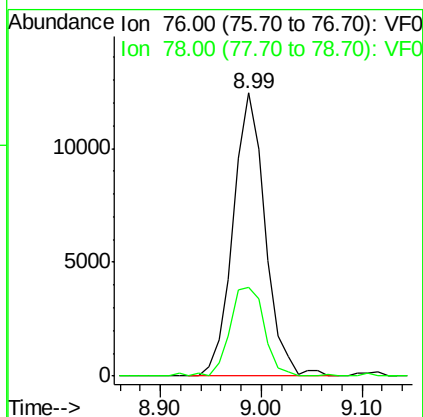
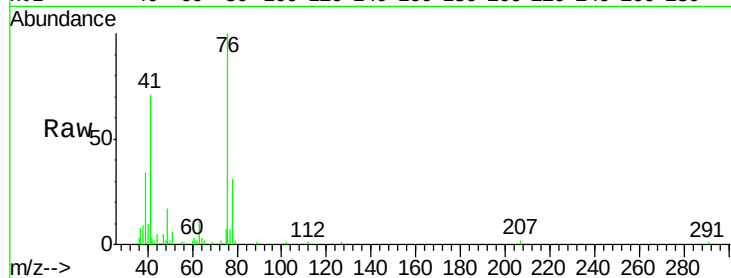
VSTDIC010

Tgt Ion: 76 Resp: 27568

Ion Ratio Lower Upper

76 100

78 31.2 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 55.455 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059635.D

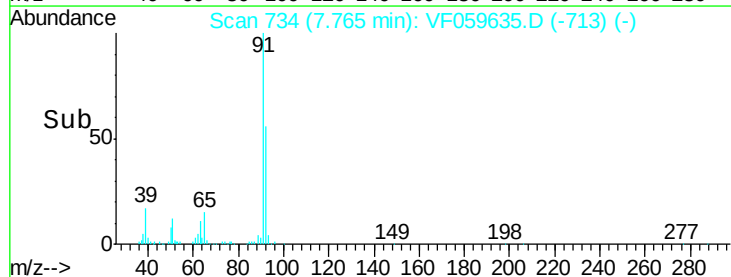
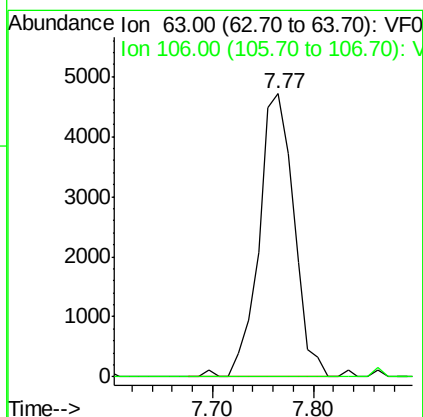
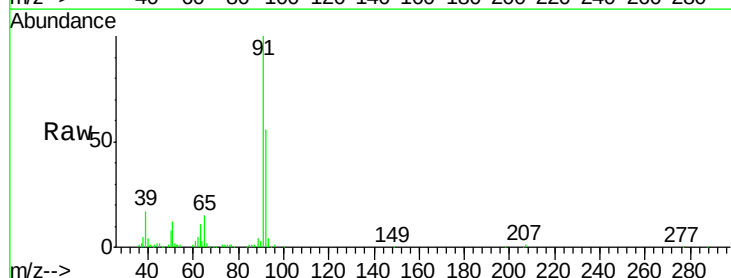
Acq: 24 Jul 2018 16:35

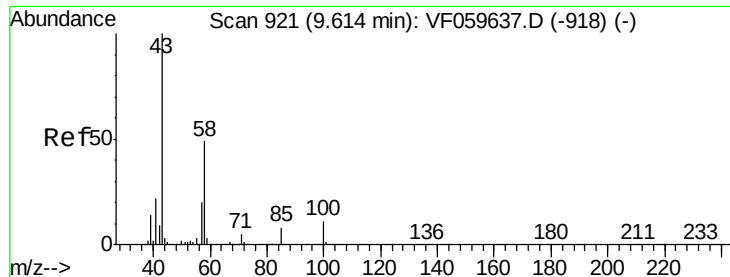
Tgt Ion: 63 Resp: 11330

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

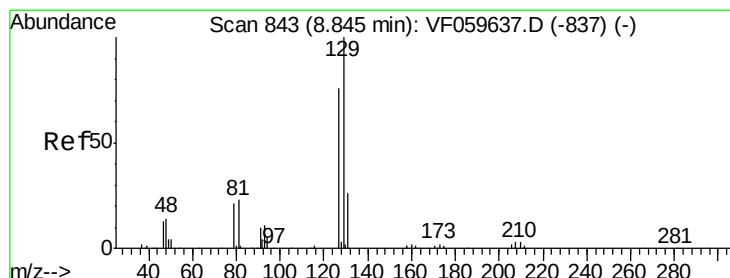
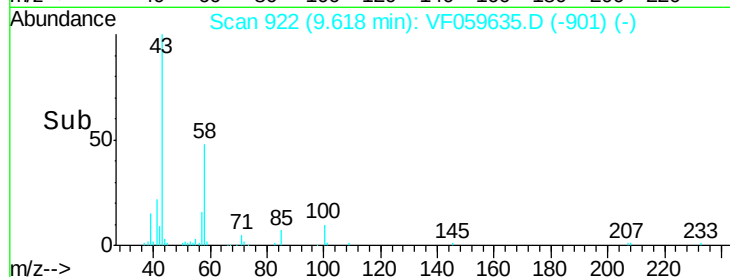
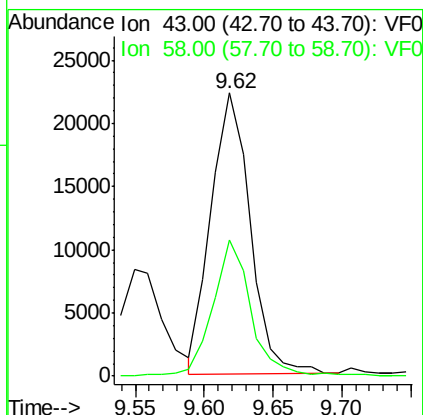
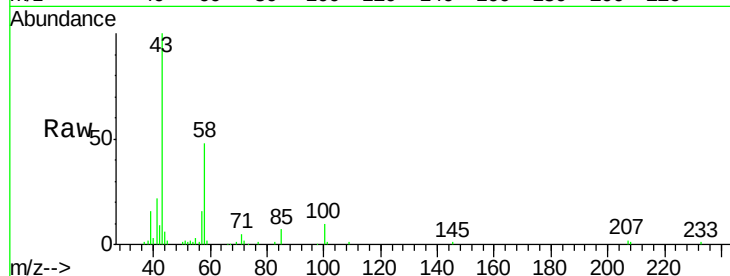




#59
2-Hexanone
Concen: 44.780 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

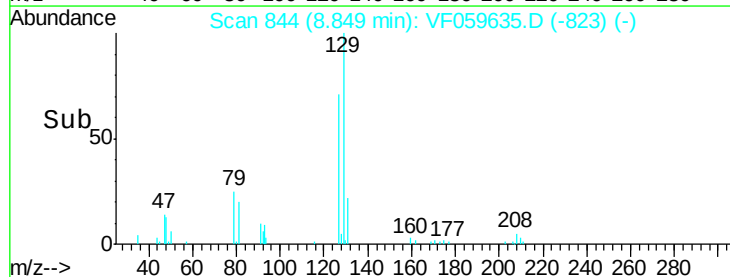
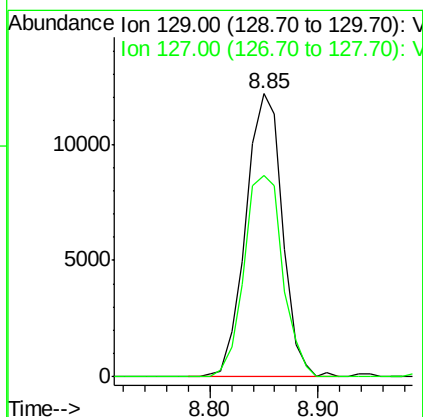
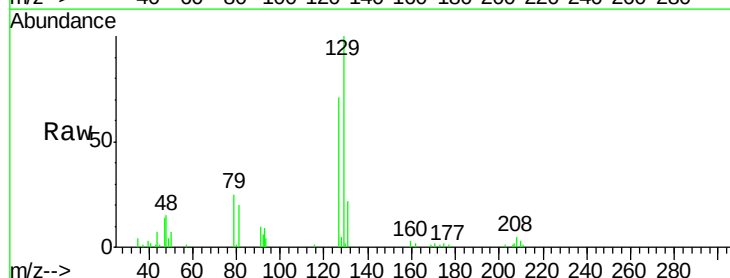
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

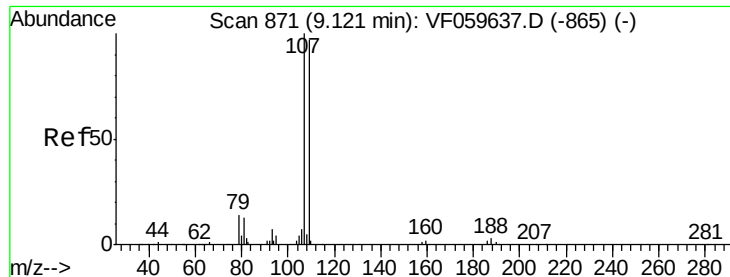
Tgt Ion: 43 Resp: 44151
Ion Ratio Lower Upper
43 100
58 47.9 23.6 71.0



#60
Dibromochloromethane
Concen: 10.263 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Tgt Ion: 129 Resp: 28615
Ion Ratio Lower Upper
129 100
127 69.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 10.161 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

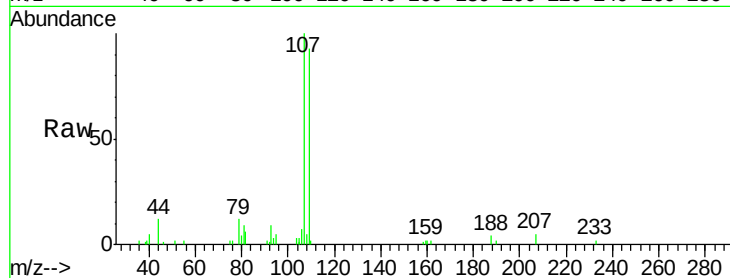
VSTDIC010

Tgt Ion: 107 Resp: 18158

Ion Ratio Lower Upper

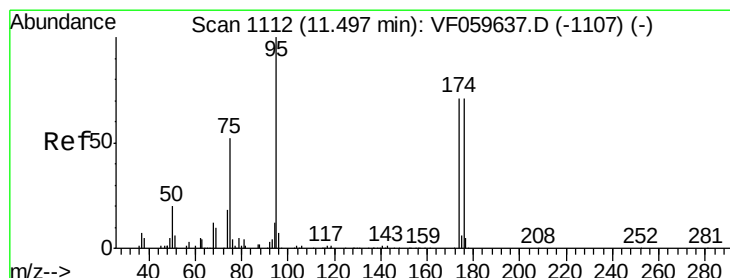
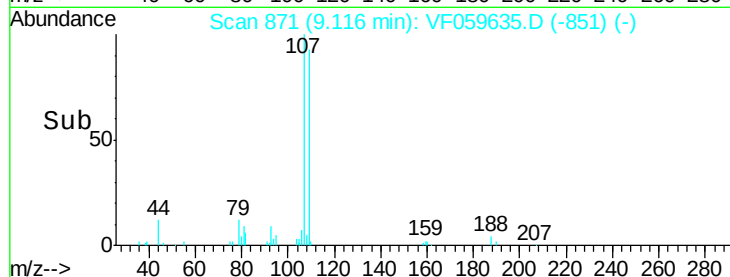
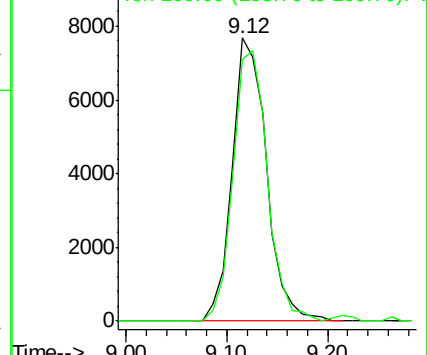
107 100

109 92.6 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 8.866 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

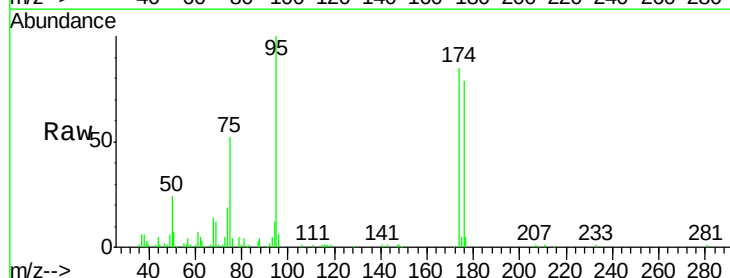
Tgt Ion: 95 Resp: 38954

Ion Ratio Lower Upper

95 100

174 85.3 0.0 141.8

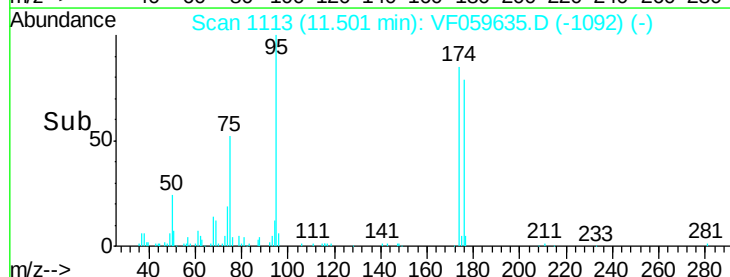
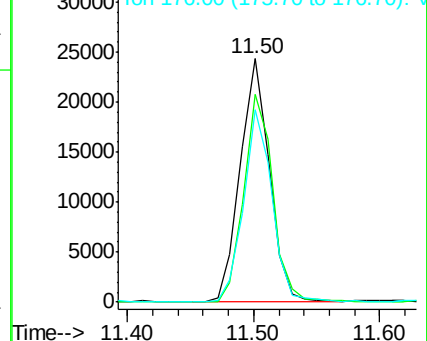
176 79.2 0.0 142.0

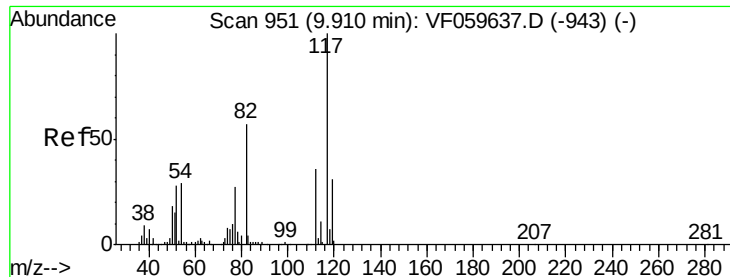


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

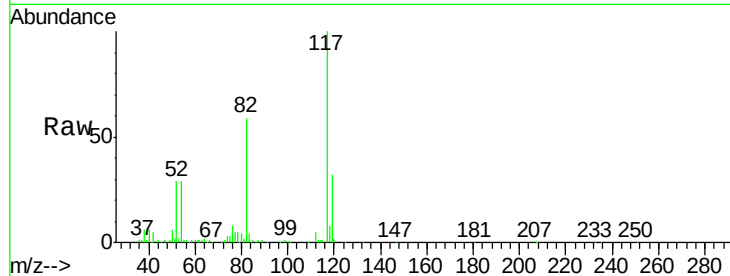
Tgt Ion:117 Resp: 324747

Ion Ratio Lower Upper

117 100

82 59.2 45.9 68.9

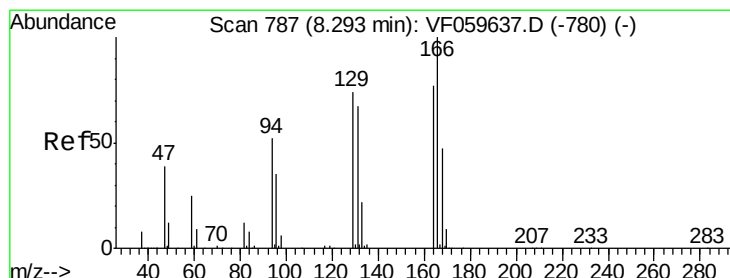
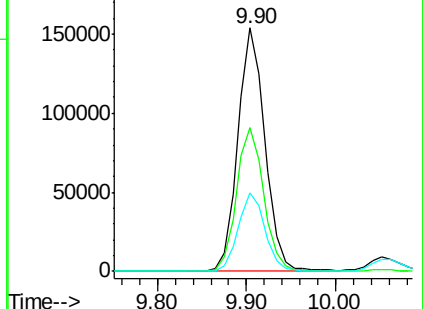
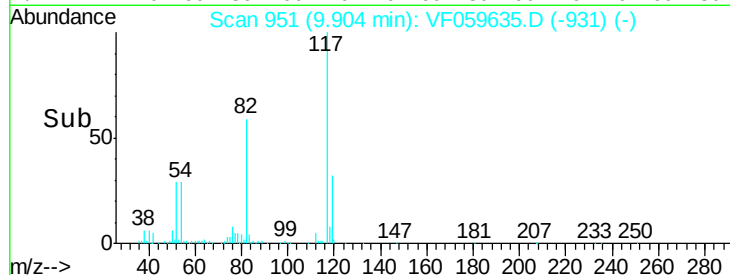
119 32.1 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 10.831 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Tgt Ion:164 Resp: 26337

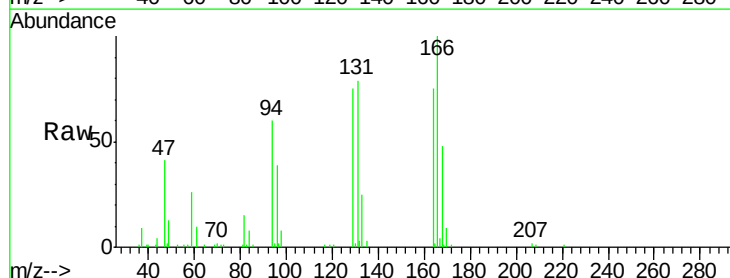
Ion Ratio Lower Upper

164 100

166 133.5 103.3 154.9

129 99.7 76.2 114.2

131 105.2 69.1 103.7#

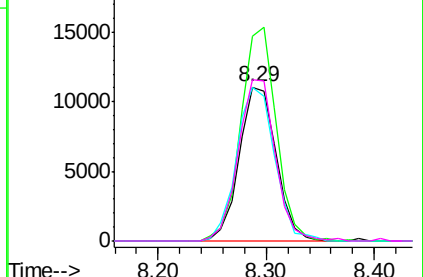
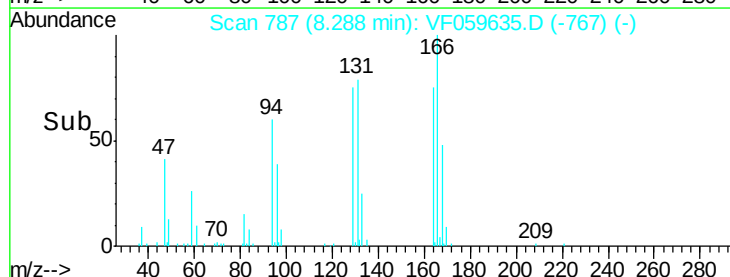


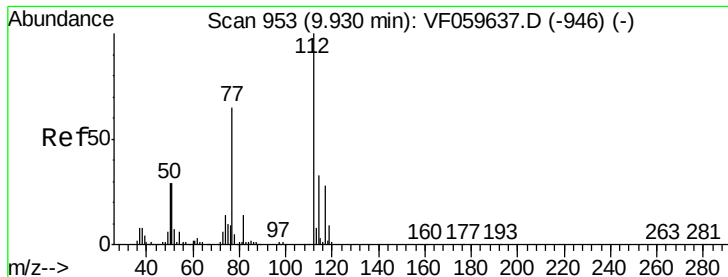
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

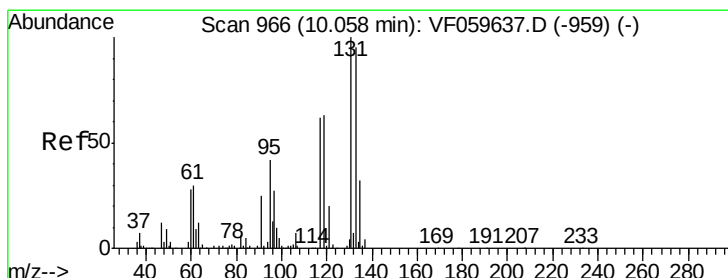
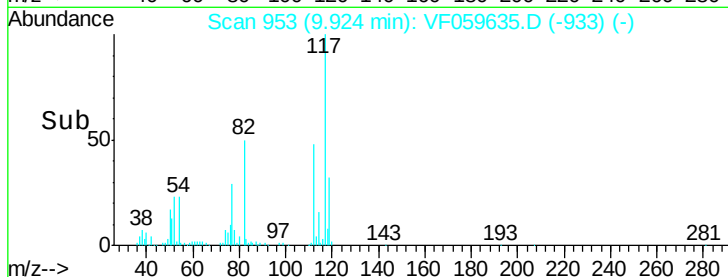
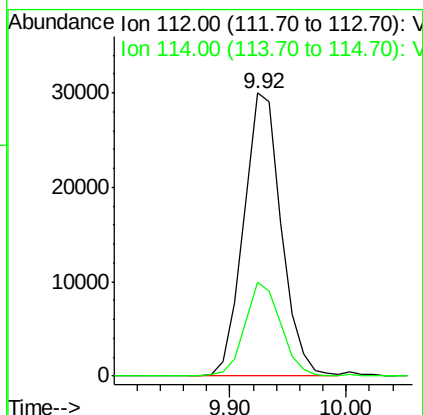
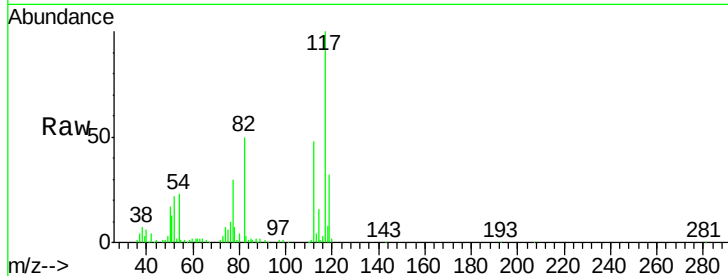




#65
Chlorobenzene
Concen: 11.352 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

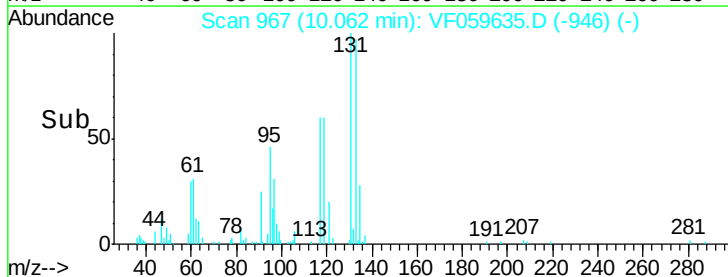
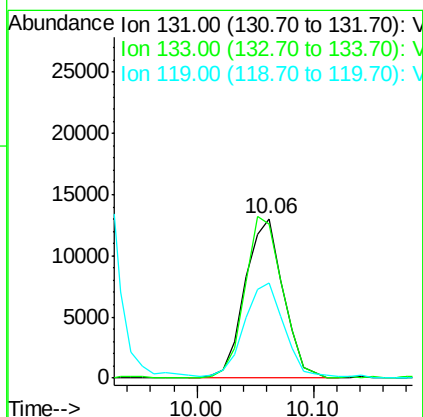
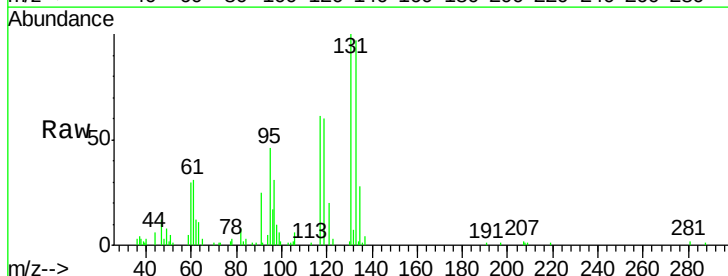
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

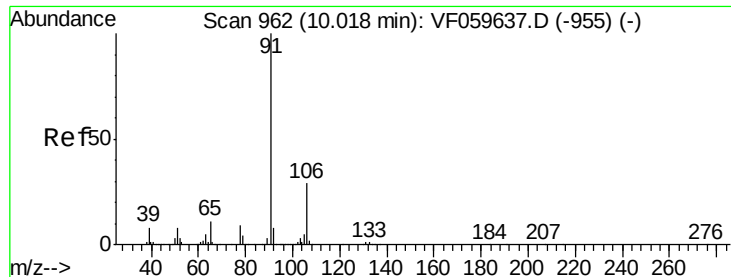
Tgt Ion:112 Resp: 67213
Ion Ratio Lower Upper
112 100
114 33.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 11.013 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Tgt Ion:131 Resp: 29709
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.6
119 59.9 31.8 95.4





#67

Ethyl Benzene

Concen: 11.430 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

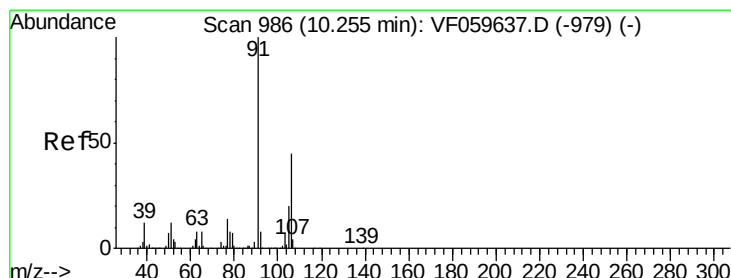
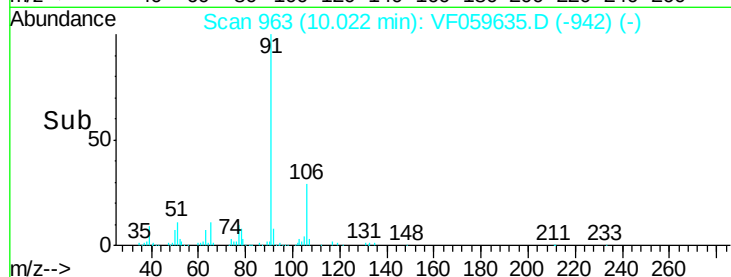
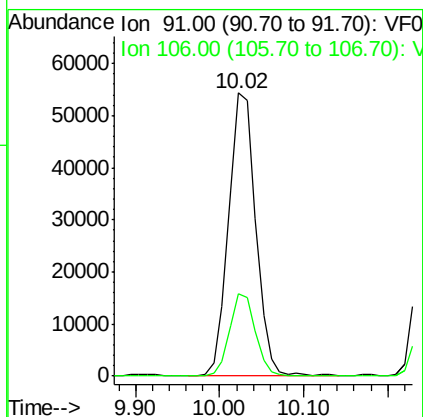
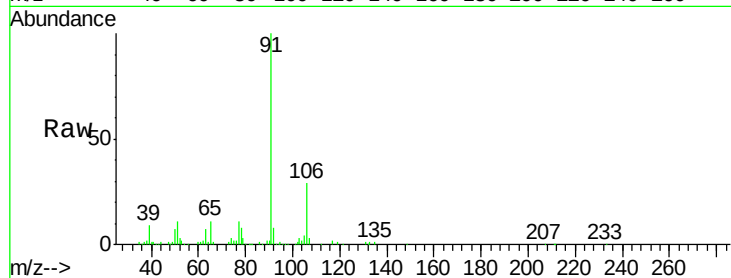
VSTDIC010

Tgt Ion: 91 Resp: 122568

Ion Ratio Lower Upper

91 100

106 29.1 23.4 35.0



#68

m/p-Xylenes

Concen: 23.805 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059635.D

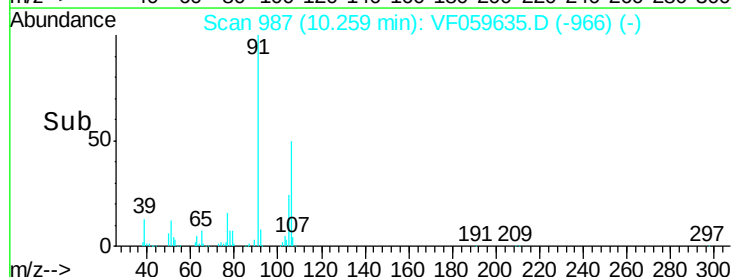
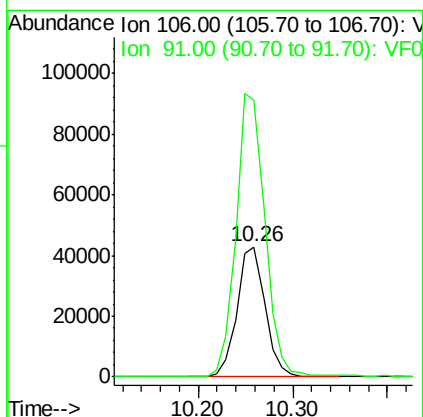
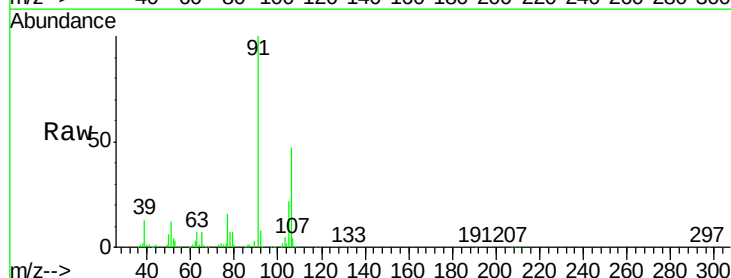
Acq: 24 Jul 2018 16:35

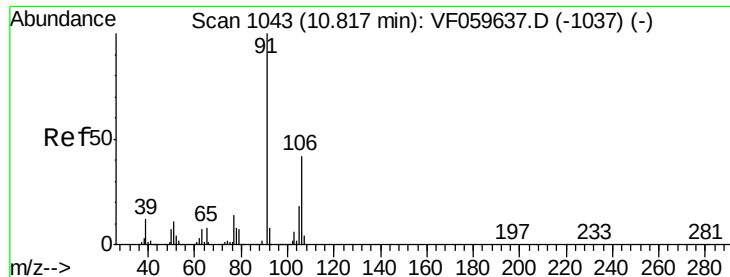
Tgt Ion: 106 Resp: 88561

Ion Ratio Lower Upper

106 100

91 212.4 177.8 266.8

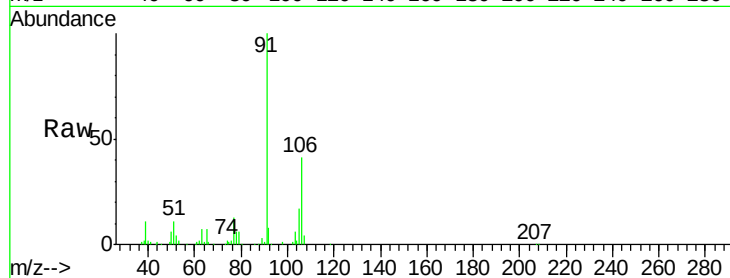




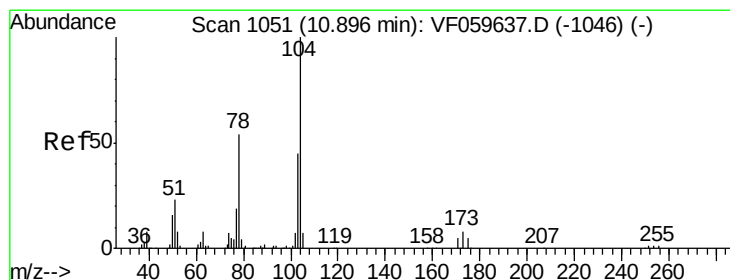
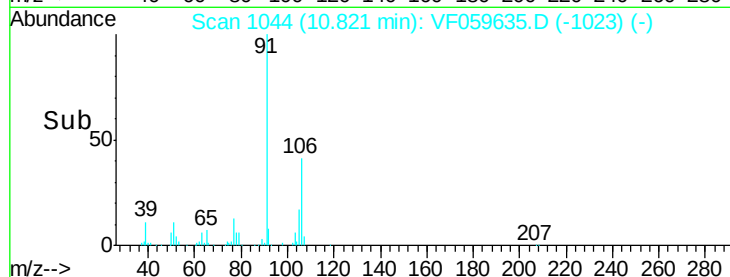
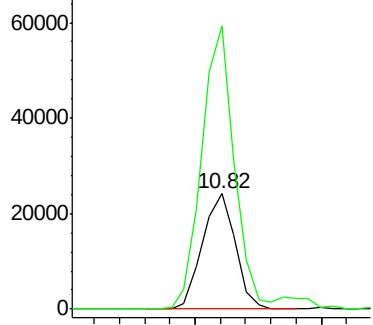
#69
o-Xylene
Concen: 10.999 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 44126
Ion Ratio Lower Upper
106 100
91 245.1 119.3 357.9

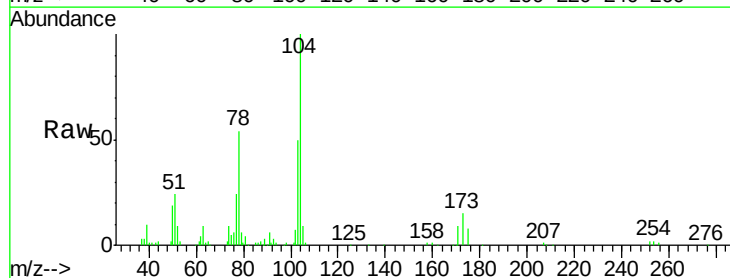


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

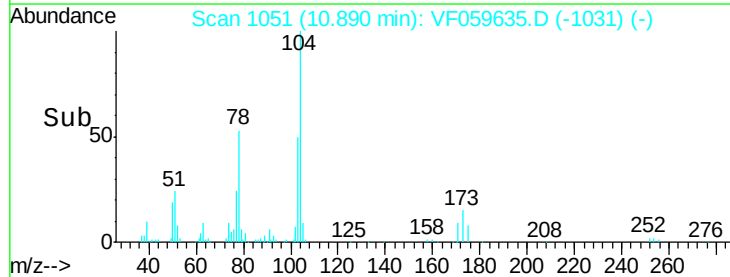
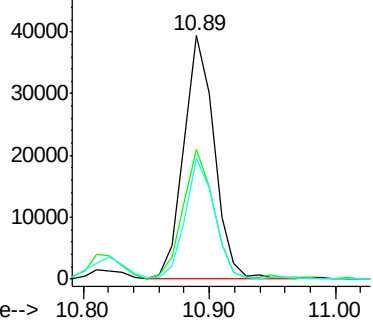


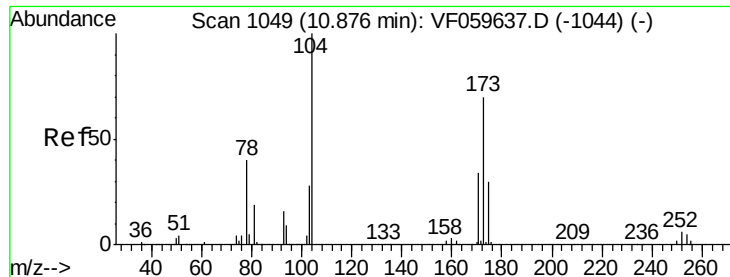
#70
Styrene
Concen: 11.064 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Tgt Ion:104 Resp: 66124
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.2
103 49.6 36.7 55.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 10.282 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

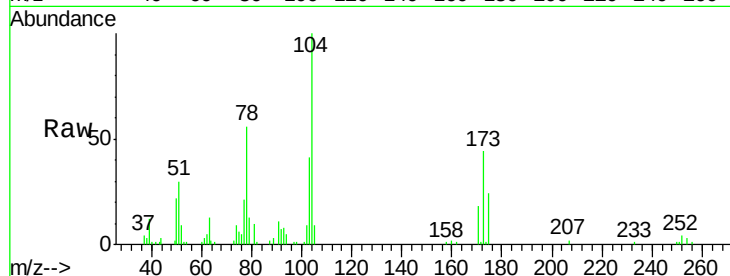
Tgt Ion:173 Resp: 17026

Ion Ratio Lower Upper

173 100

175 53.1 21.6 65.0

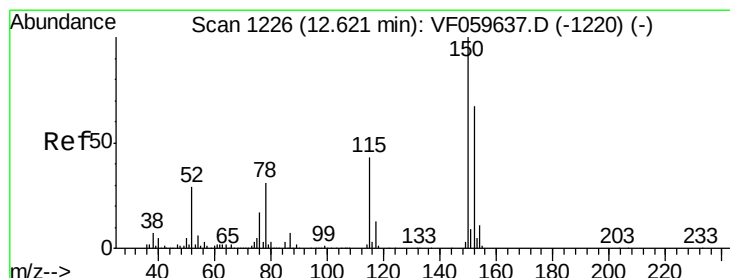
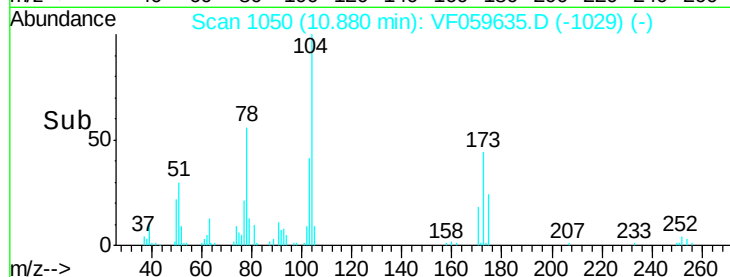
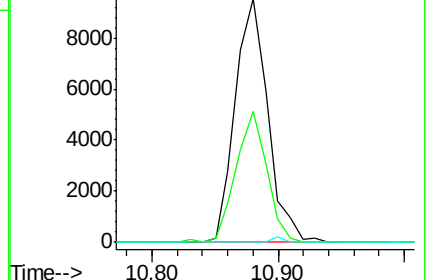
254 0.0 0.0 0.0



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: 12.62 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

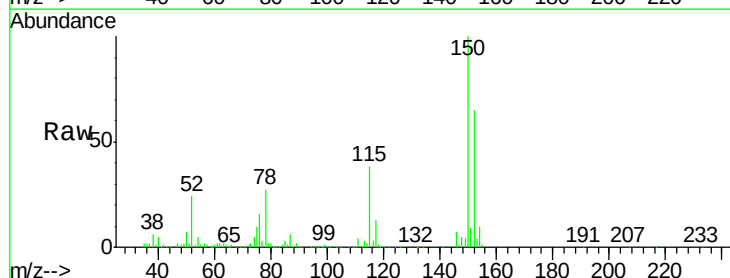
Tgt Ion:152 Resp: 212774

Ion Ratio Lower Upper

152 100

115 58.4 32.0 96.2

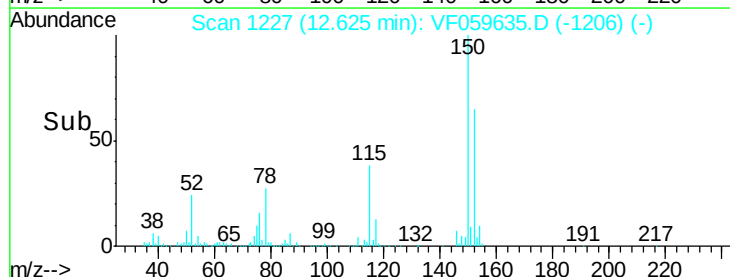
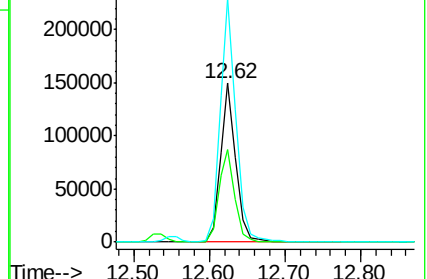
150 153.6 0.0 313.2

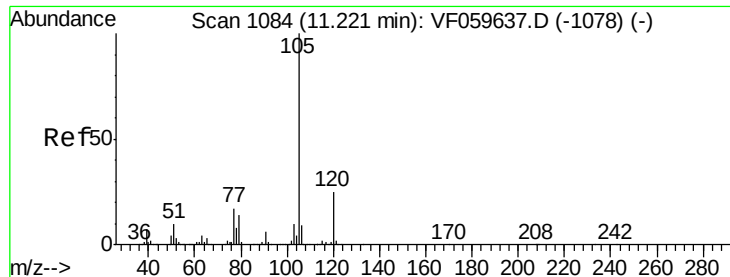


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.934 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

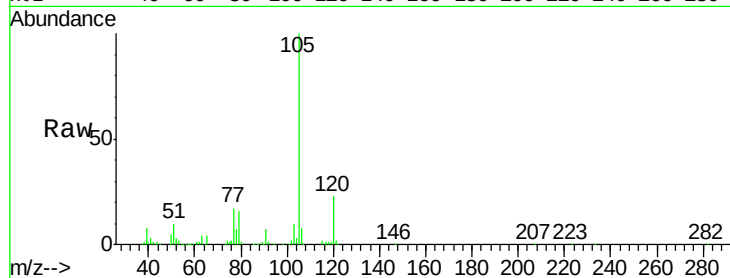
VSTDIC010

Tgt Ion: 105 Resp: 147494

Ion Ratio Lower Upper

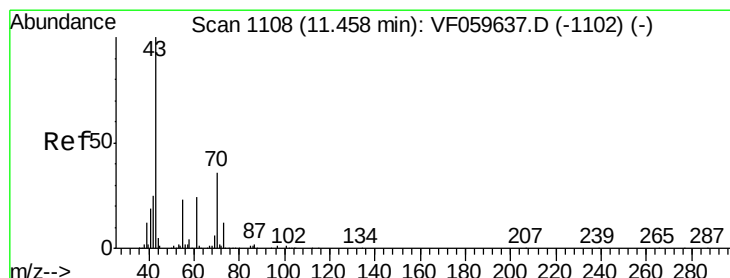
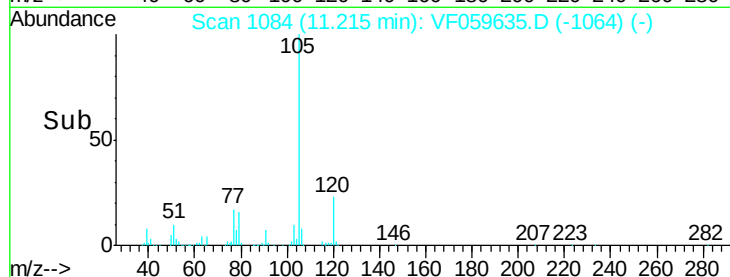
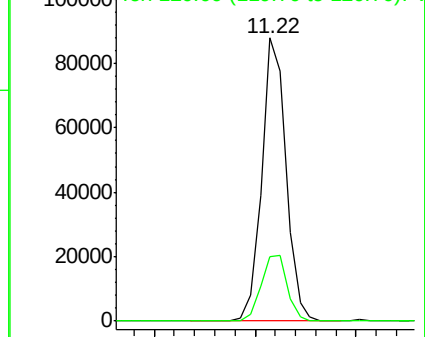
105 100

120 22.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.719 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Tgt Ion: 43 Resp: 28798

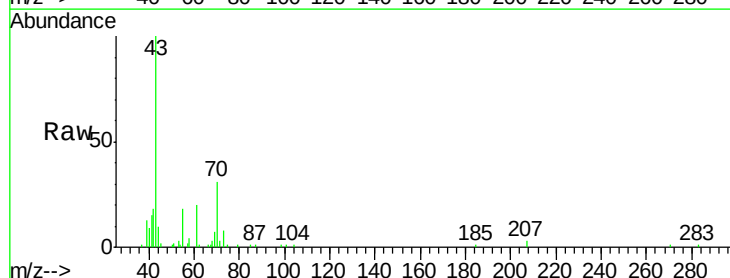
Ion Ratio Lower Upper

43 100

70 30.8 29.4 44.0

55 18.0 18.2 27.4#

61 20.0 18.9 28.3

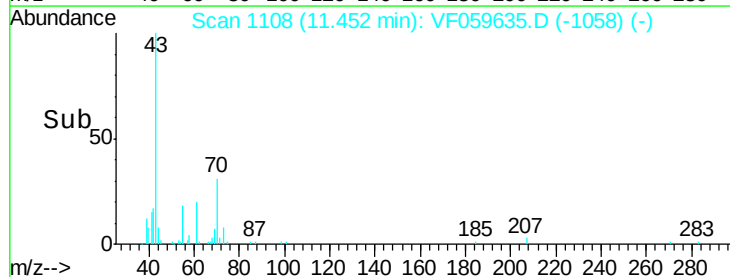
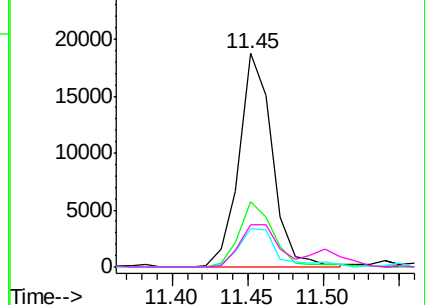


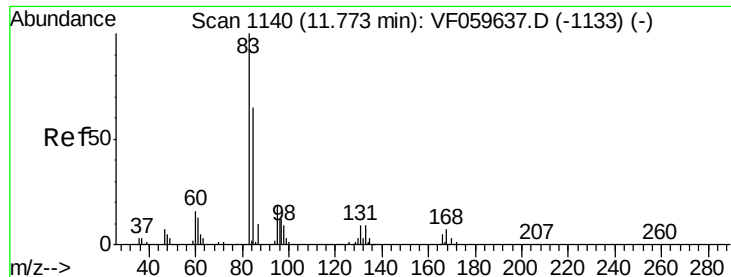
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 8.758 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

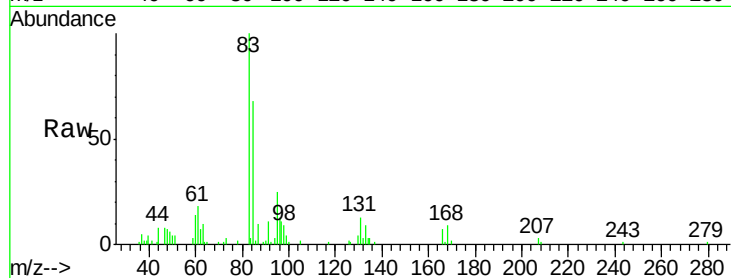
Tgt Ion: 83 Resp: 19529

Ion Ratio Lower Upper

83 100

131 13.4 4.5 13.5

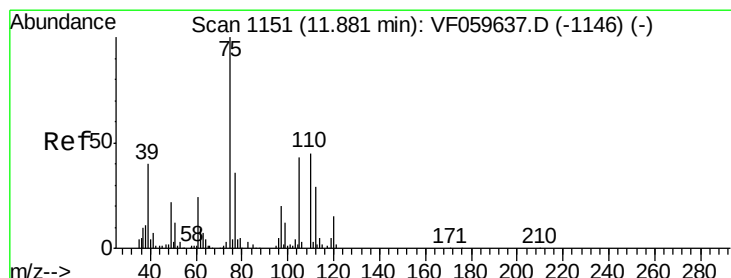
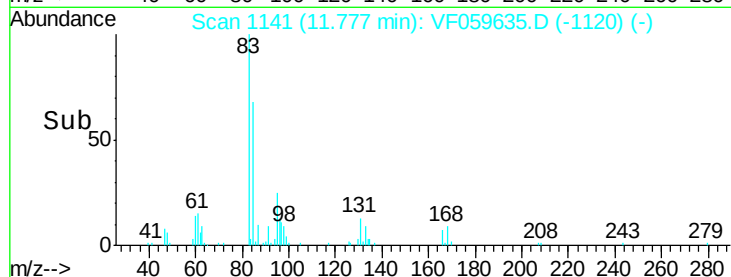
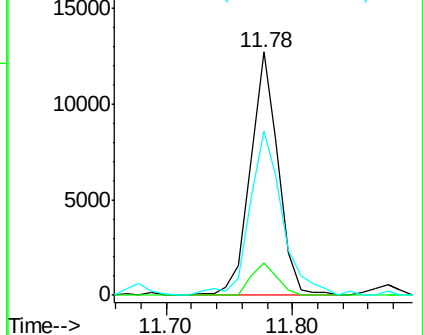
85 67.5 32.6 97.7



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: 8.836 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059635.D

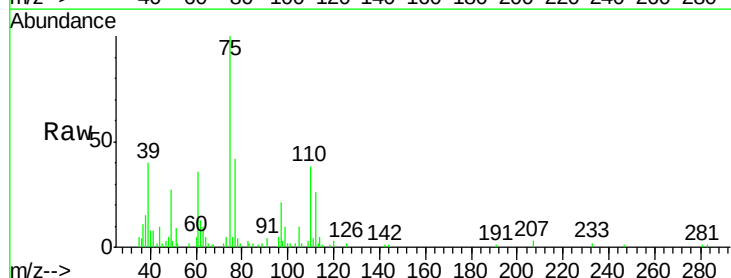
Acq: 24 Jul 2018 16:35

Tgt Ion: 75 Resp: 17255

Ion Ratio Lower Upper

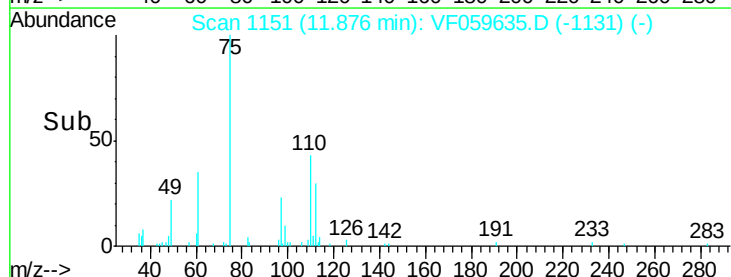
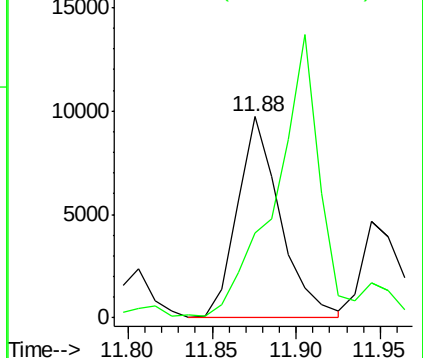
75 100

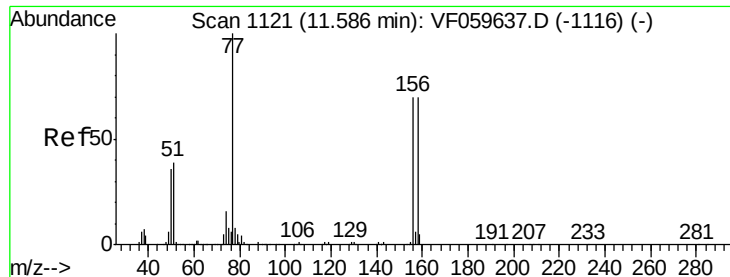
77 42.1 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.531 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

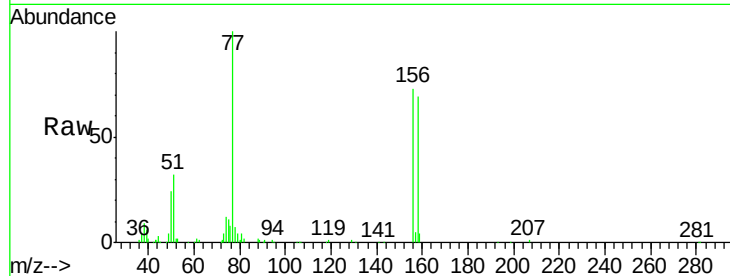
Tgt Ion:156 Resp: 36234

Ion Ratio Lower Upper

156 100

77 136.8 71.5 214.3

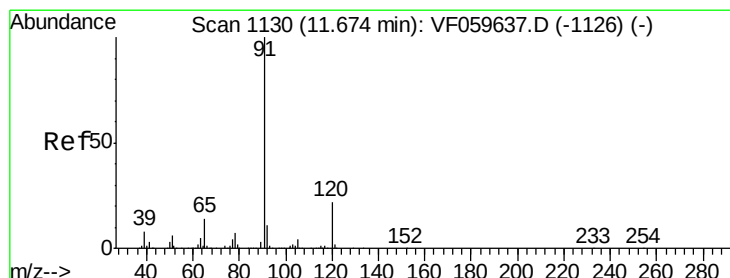
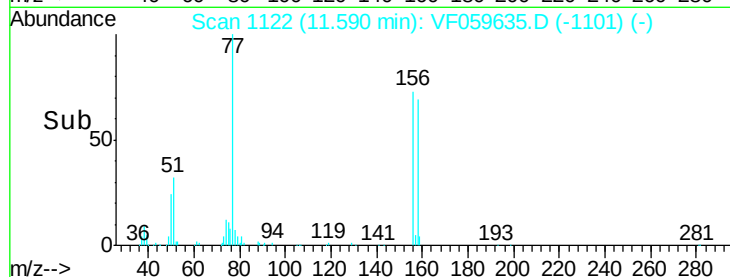
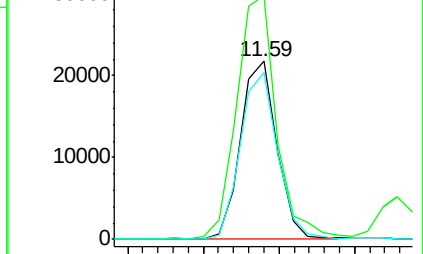
158 93.9 50.0 149.8



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: 11.132 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059635.D

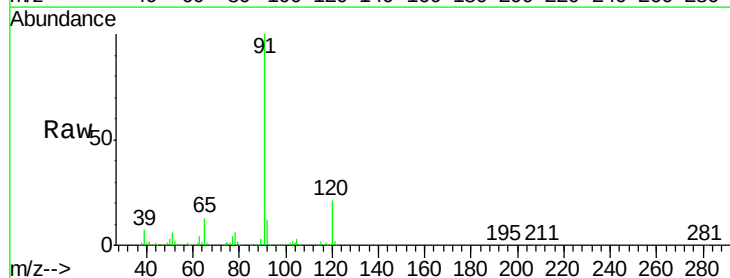
Acq: 24 Jul 2018 16:35

Tgt Ion: 91 Resp: 179137

Ion Ratio Lower Upper

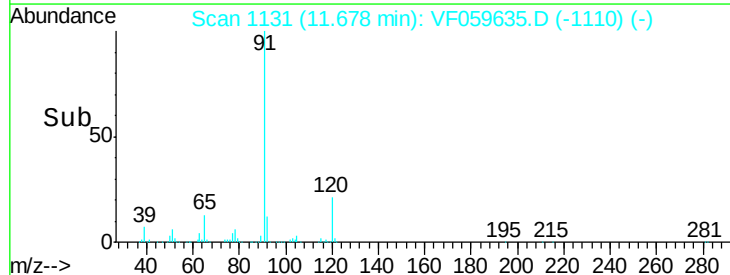
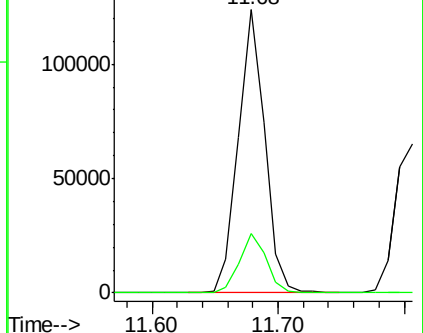
91 100

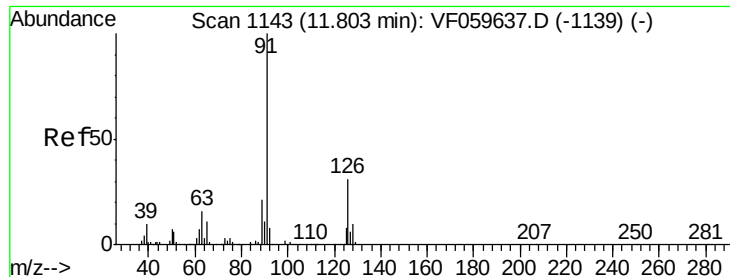
120 20.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.631 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

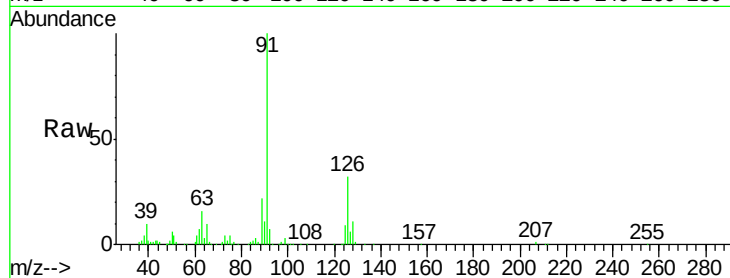
VSTDIC010

Tgt Ion: 91 Resp: 102867

Ion Ratio Lower Upper

91 100

126 32.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

80000

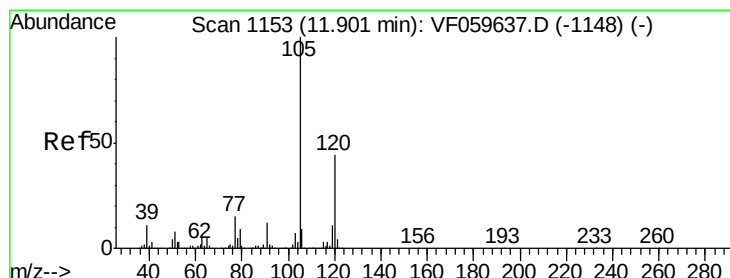
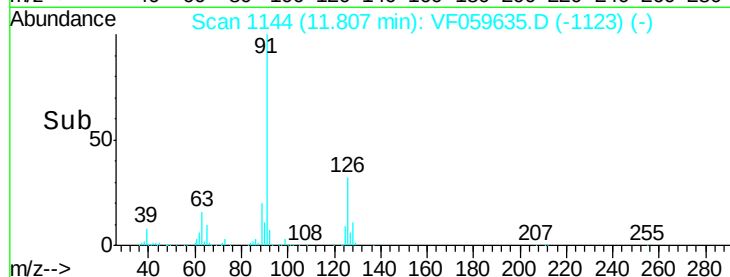
60000

40000

20000

0

Time--> 11.70 11.80 11.90



#80

1,3,5-Trimethylbenzene

Concen: 10.802 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059635.D

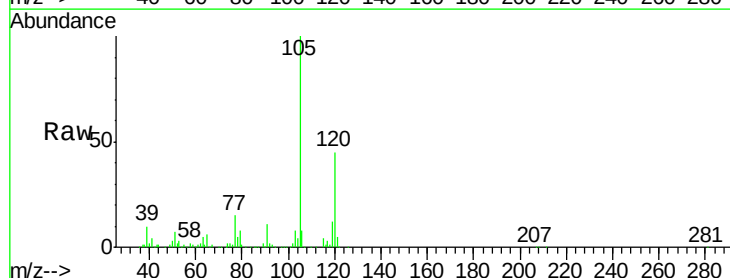
Acq: 24 Jul 2018 16:35

Tgt Ion: 105 Resp: 130768

Ion Ratio Lower Upper

105 100

120 45.0 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

100000

80000

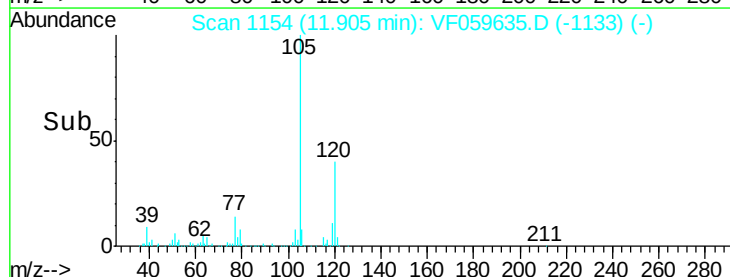
60000

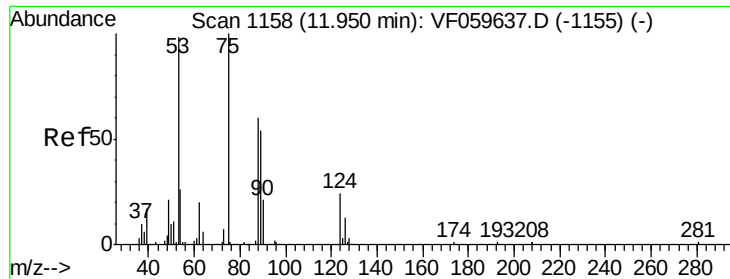
40000

20000

0

Time--> 11.80 11.90 12.00





#81

trans-1,4-Dichloro-2-butene

Concen: 13.296 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

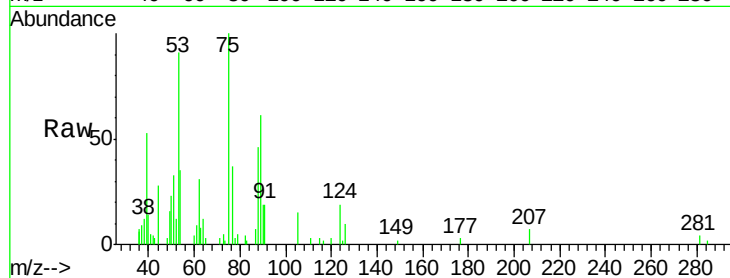
MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 10749

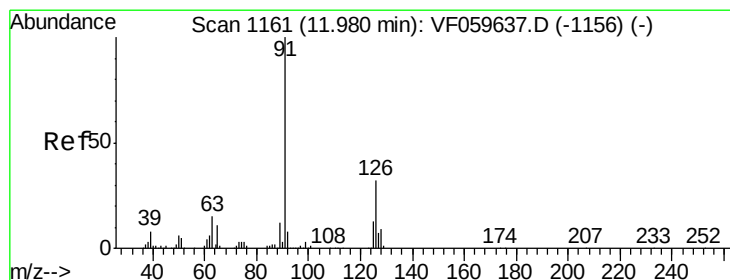
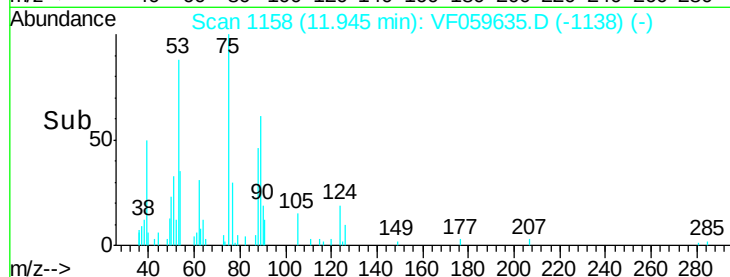
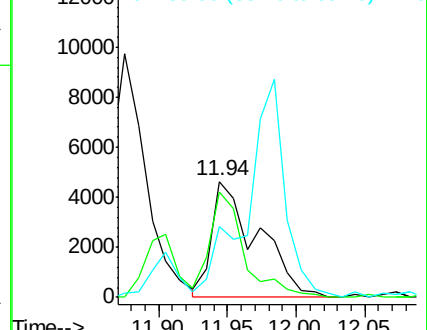
Ion	Ratio	Lower	Upper
75	100		
53	90.5	82.3	123.5
89	61.5	48.2	72.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 10.375 ug/l

RT: 11.98 min Scan# 1162

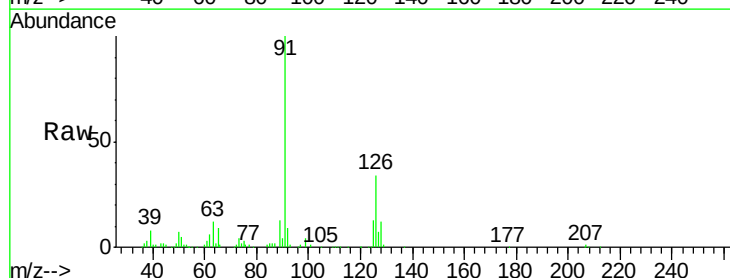
Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

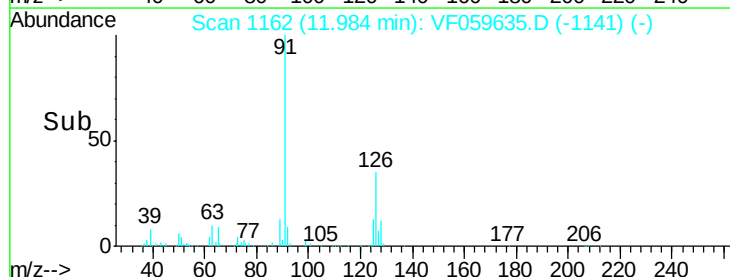
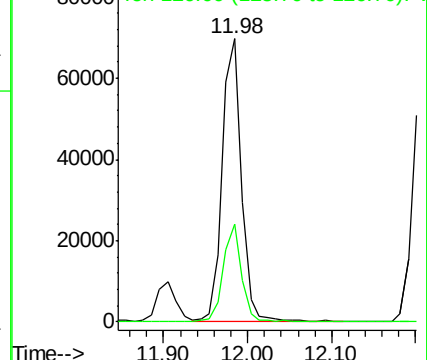
Tgt Ion: 91 Resp: 111263

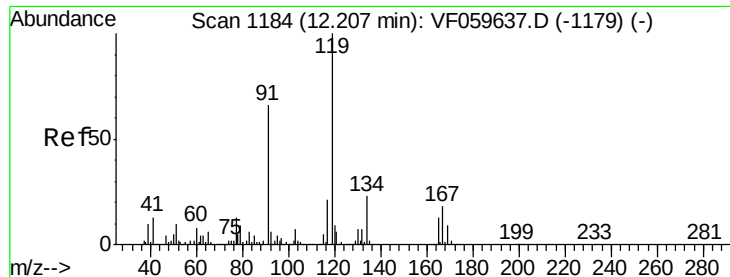
Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.1	48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

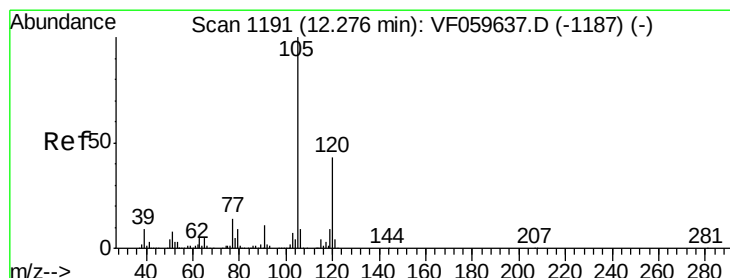
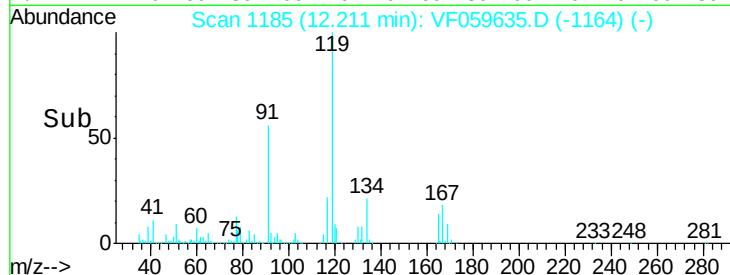
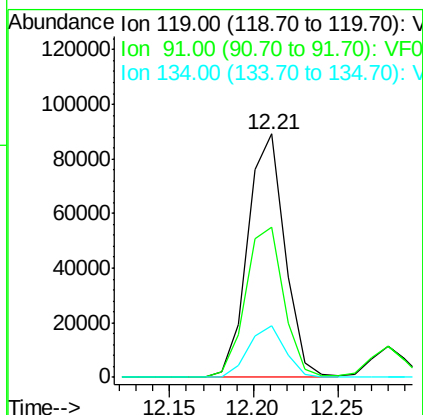
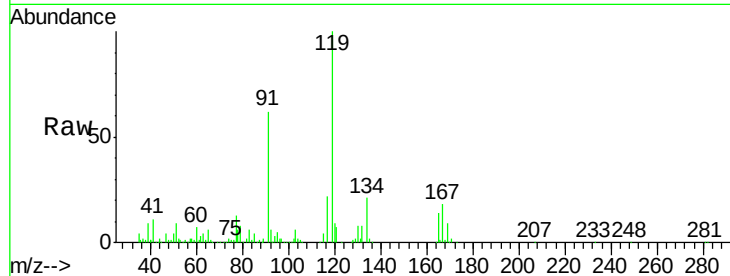




#83
 tert-Butylbenzene
 Concen: 11.382 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

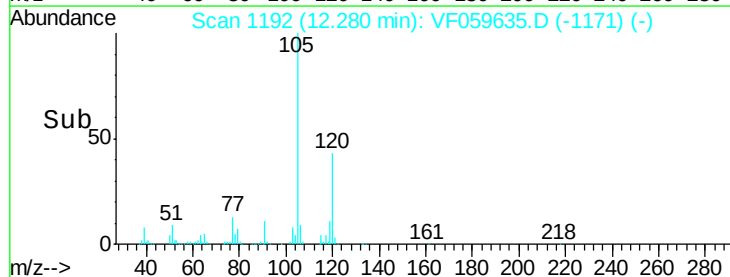
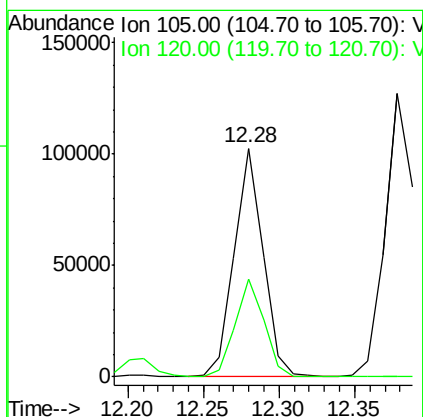
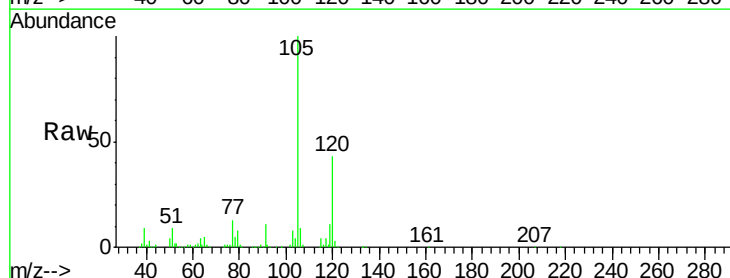
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

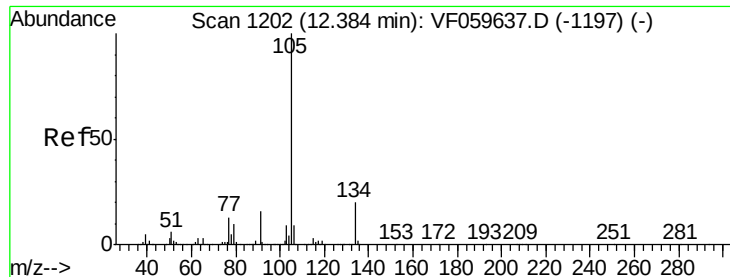
Tgt Ion:119 Resp: 136088
 Ion Ratio Lower Upper
 119 100
 91 61.9 33.2 99.6
 134 21.4 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 11.082 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion:105 Resp: 135884
 Ion Ratio Lower Upper
 105 100
 120 42.8 21.4 64.2





#85

sec-Butylbenzene

Concen: 11.344 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

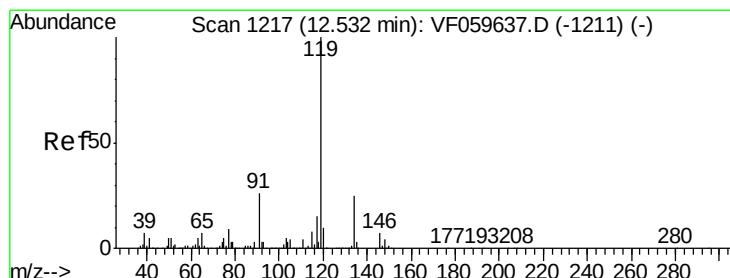
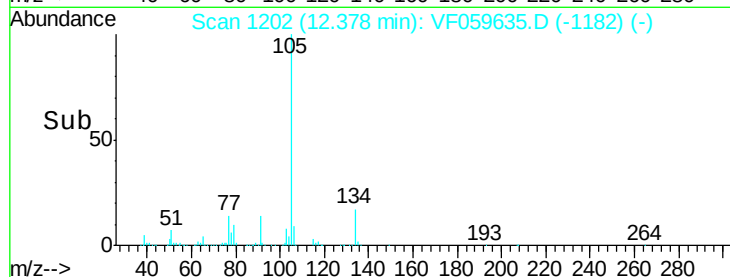
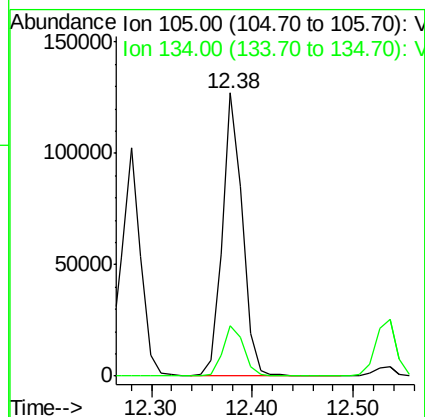
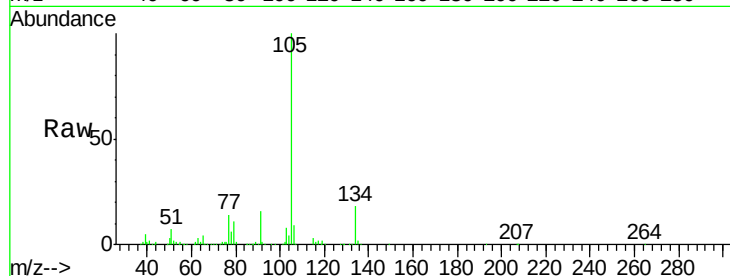
VSTDIC010

Tgt Ion:105 Resp: 176091

Ion Ratio Lower Upper

105 100

134 17.6 9.9 29.7



#86

p-Isopropyltoluene

Concen: 11.615 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

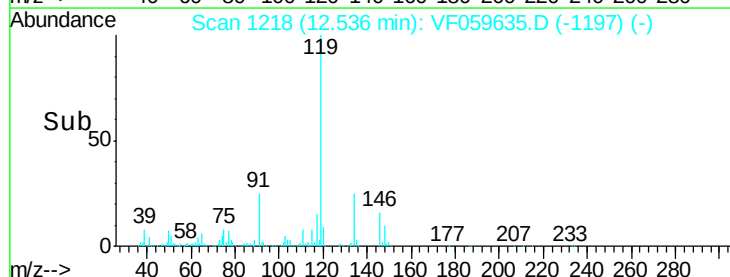
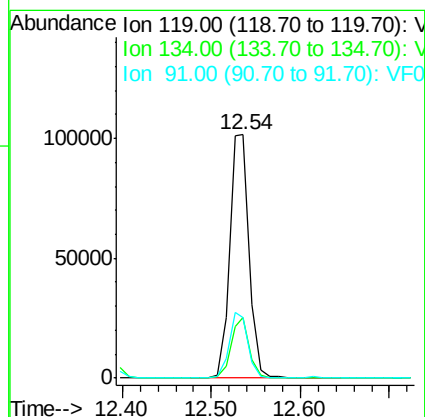
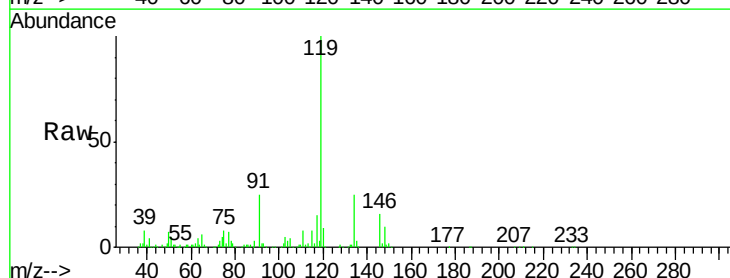
Tgt Ion:119 Resp: 157831

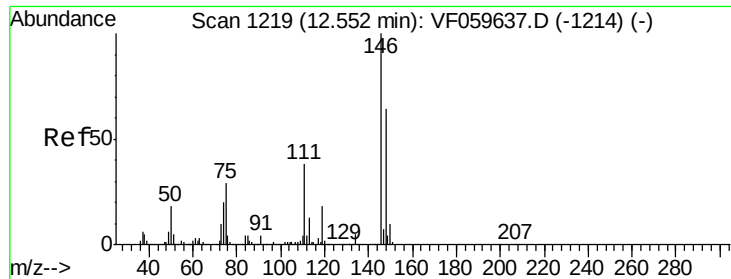
Ion Ratio Lower Upper

119 100

134 25.0 12.4 37.0

91 24.7 13.1 39.1

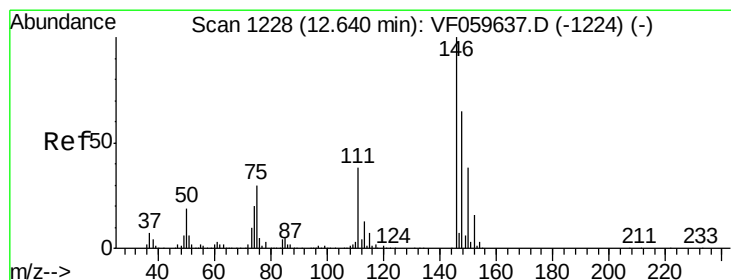
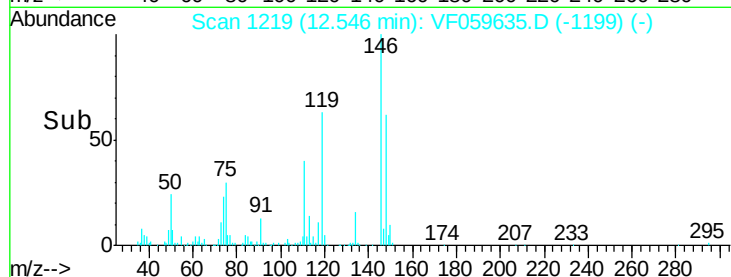
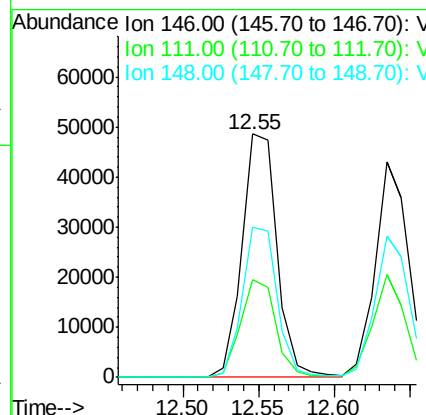
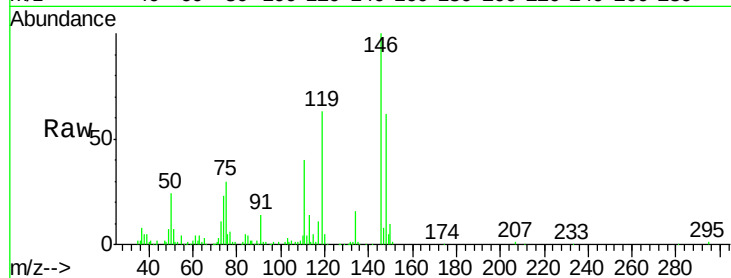




#87
 1,3-Dichlorobenzene
 Concen: 11.713 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

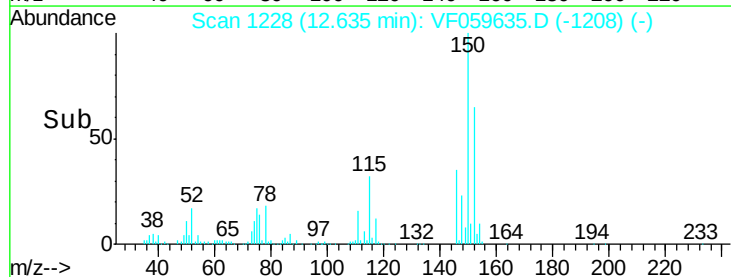
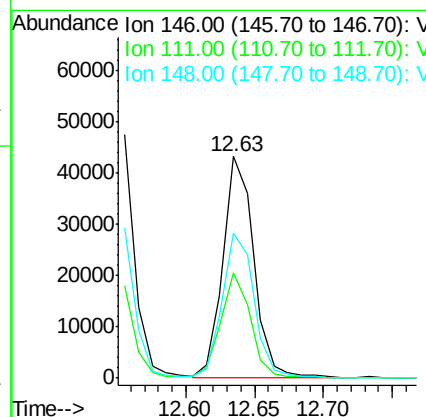
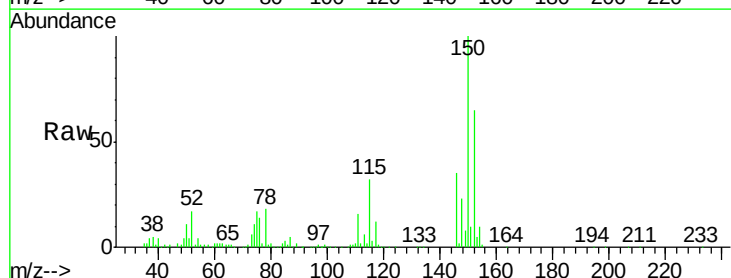
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

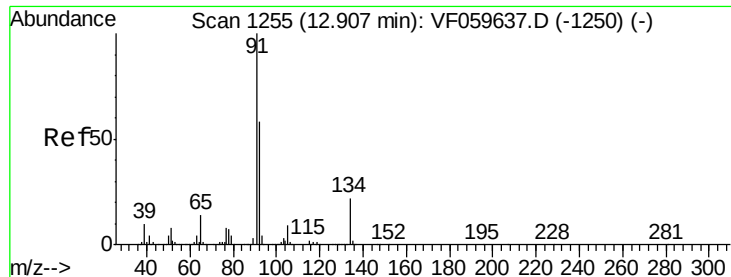
Tgt Ion:146 Resp: 78267
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.1 57.1
 148 61.6 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 10.701 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion:146 Resp: 66659
 Ion Ratio Lower Upper
 146 100
 111 47.4 19.1 57.1
 148 65.6 32.4 97.2





#89

n-Butylbenzene

Concen: 11.824 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF059635.D

Acq: 24 Jul 2018 16:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

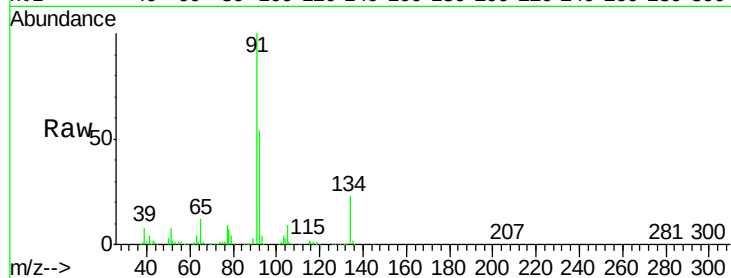
Tgt Ion: 91 Resp: 154345

Ion Ratio Lower Upper

91 100

92 54.3 29.1 87.3

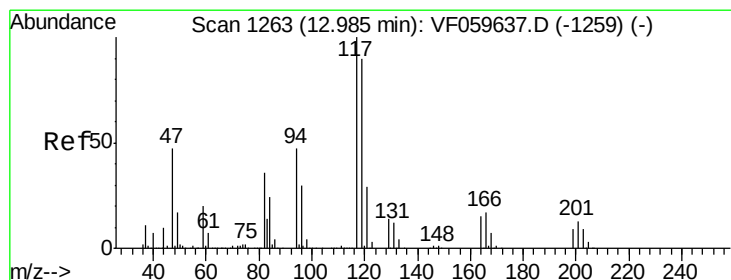
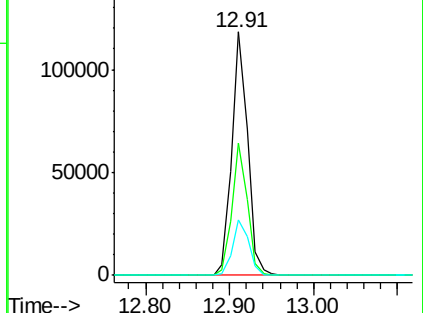
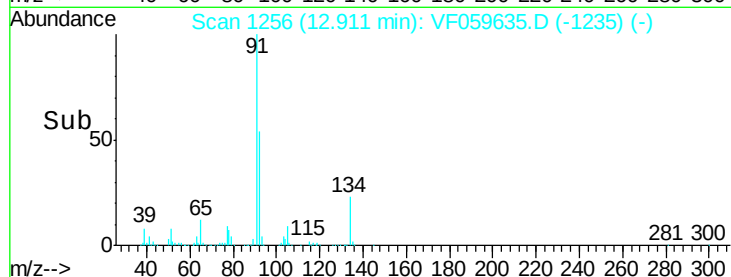
134 22.9 11.2 33.6



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: 10.663 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059635.D

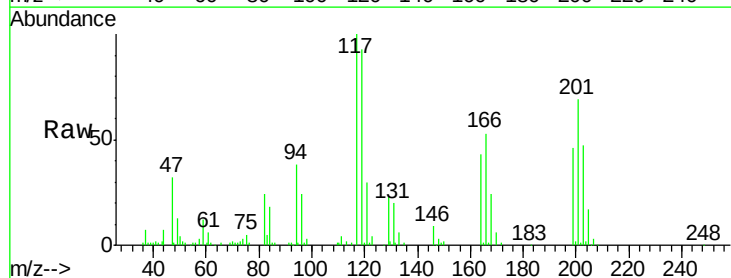
Acq: 24 Jul 2018 16:35

Tgt Ion: 117 Resp: 36170

Ion Ratio Lower Upper

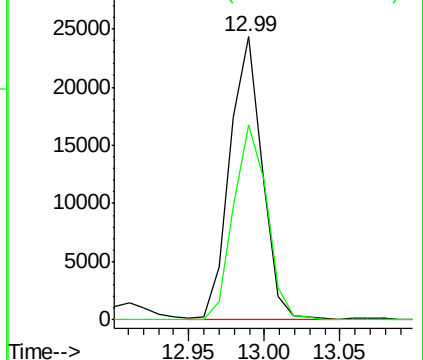
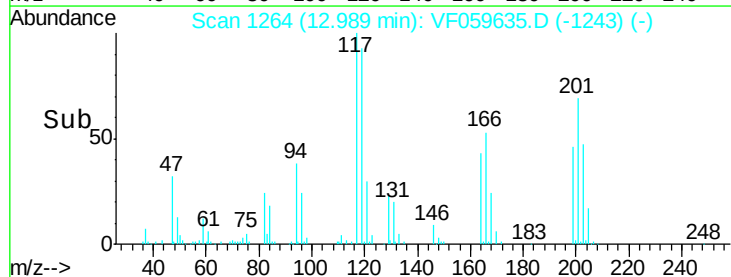
117 100

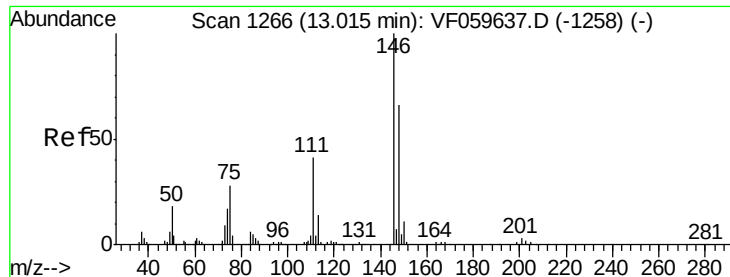
201 70.2 6.6 19.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

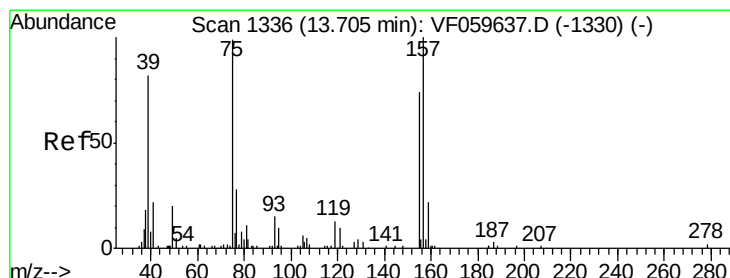
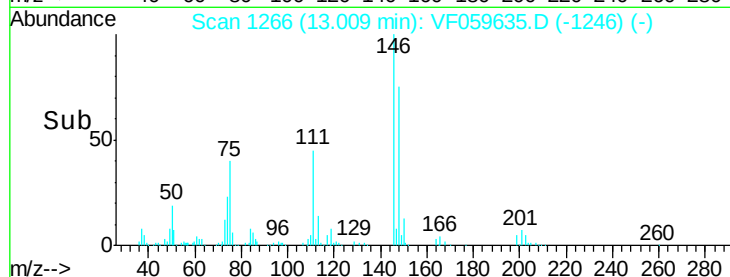
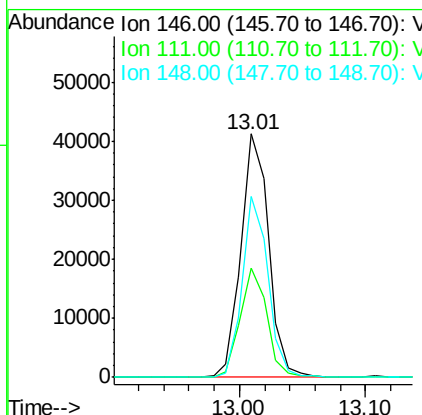
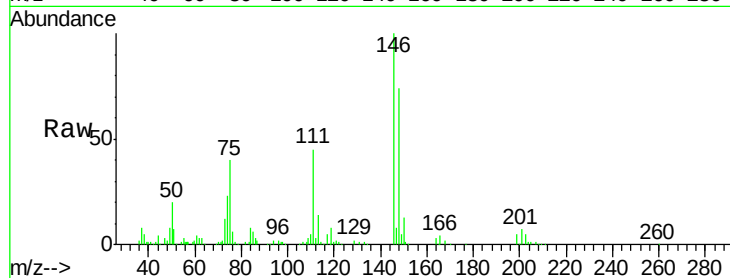




#91
 1,2-Dichlorobenzene
 Concen: 10.018 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

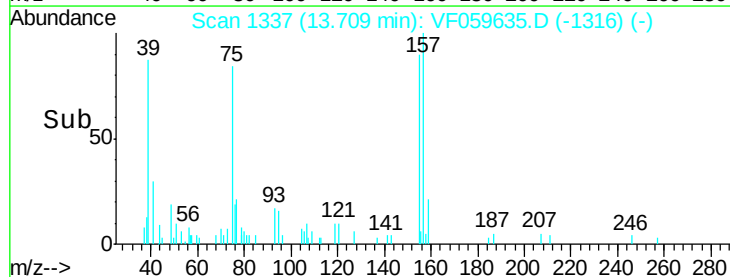
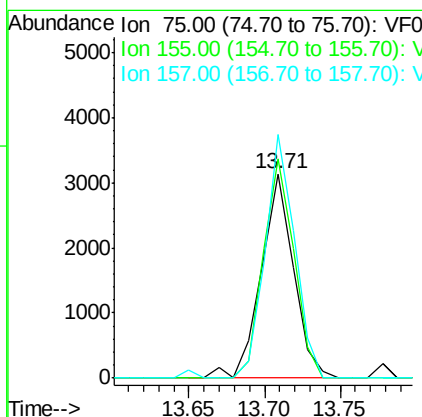
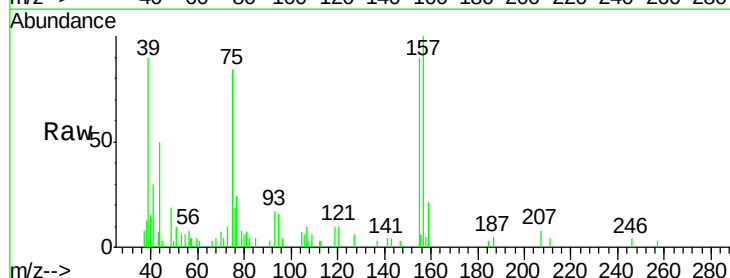
Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

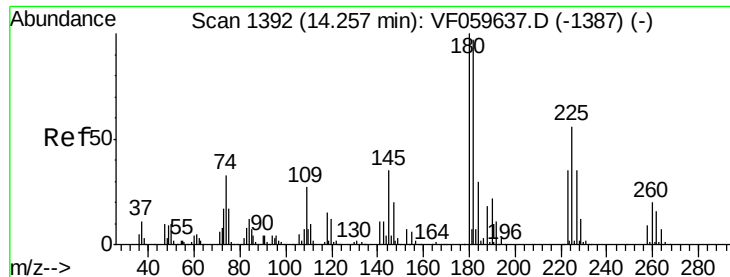
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.3	61.0
148	74.3	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.692 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.1	37.5	112.7#
157	119.2	50.6	151.9

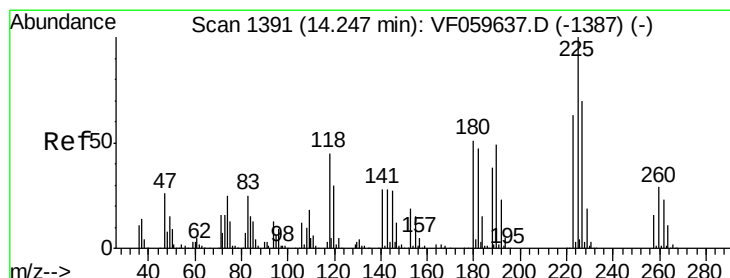
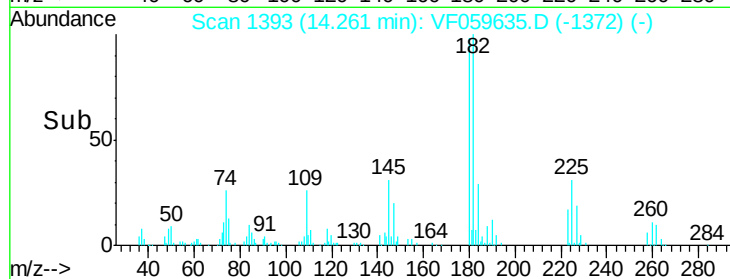
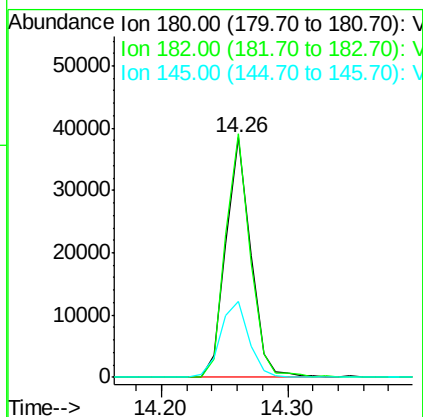
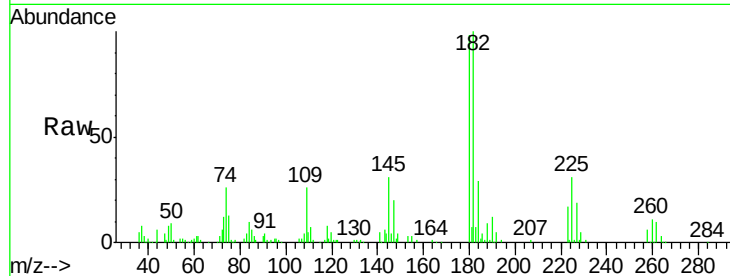




#93
 1,2,4-Trichlorobenzene
 Concen: 11.220 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

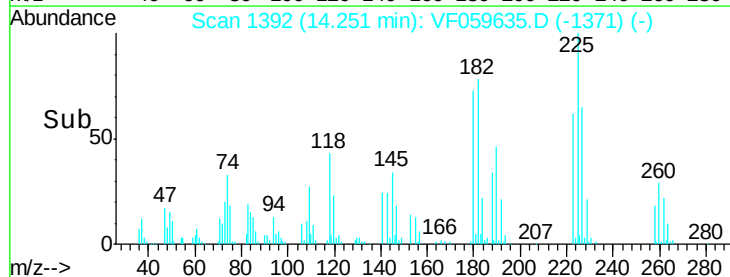
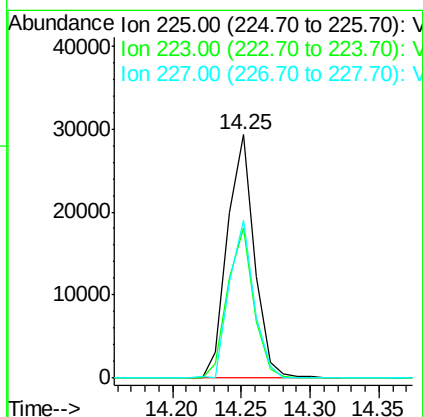
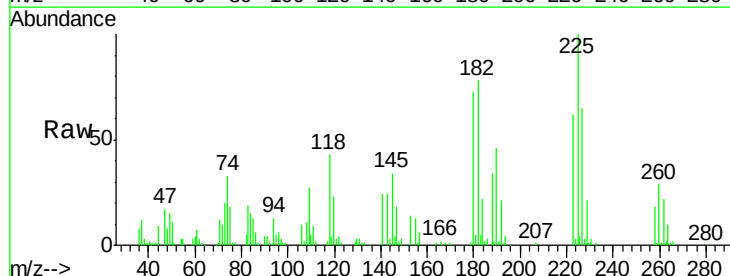
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

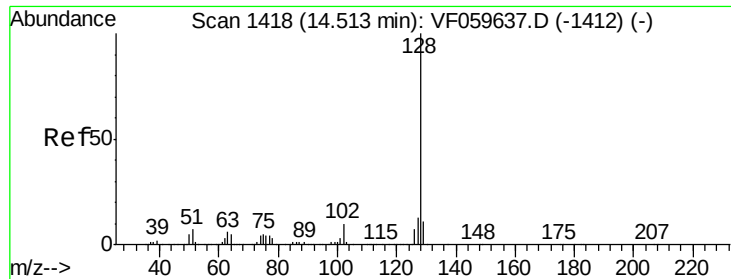
Tgt Ion:180 Resp: 52711
 Ion Ratio Lower Upper
 180 100
 182 101.6 48.5 145.6
 145 31.8 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 12.173 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059635.D
 Acq: 24 Jul 2018 16:35

Tgt Ion:225 Resp: 39918
 Ion Ratio Lower Upper
 225 100
 223 61.7 33.3 99.8
 227 64.6 34.8 104.4

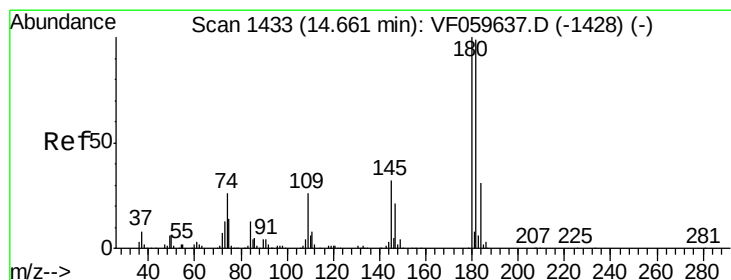
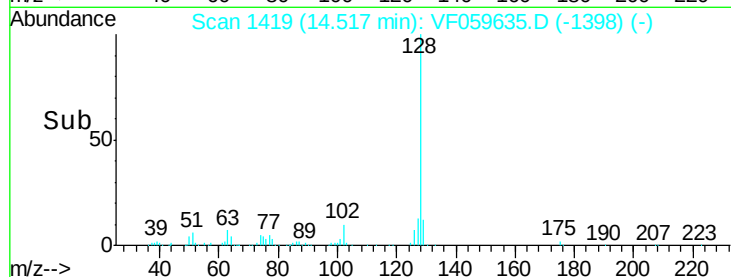
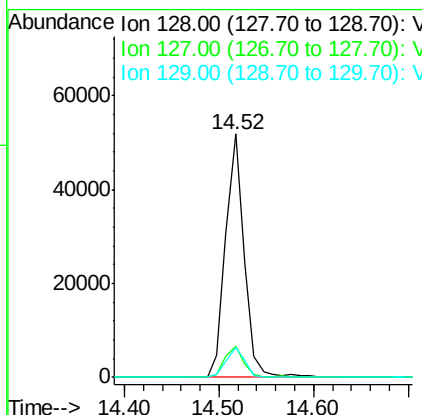
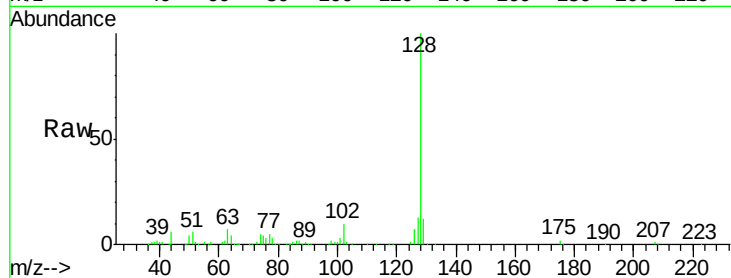




#95
Naphthalene
Concen: 9.347 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 70787
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 12.4 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 10.914 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059635.D
Acq: 24 Jul 2018 16:35

Tgt Ion:180 Resp: 46488
Ion Ratio Lower Upper
180 100
182 93.0 49.5 148.5
145 29.7 16.0 48.0

