

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059665.D
 Acq On : 25 Jul 2018 18:40
 Operator : VA/AP
 Sample : VF0725SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBSD01

Quant Time: Jul 26 03:44:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	188085	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	230186	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	191455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	114043	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	84855	32.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	64.76%	
35) Dibromofluoromethane	4.29	113	95779	46.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.46%	
50) Toluene-d8	7.71	98	244265	48.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.51	95	117416	45.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	50283	22.84	ug/l	95
3) Chloromethane	1.08	50	25631	22.26	ug/l	94
4) Vinyl Chloride	1.14	62	31484	25.90	ug/l	98
5) Bromomethane	1.33	94	20570	21.76	ug/l	99
6) Chloroethane	1.40	64	16724	22.87	ug/l	89
7) Trichlorofluoromethane	1.49	101	78636	23.83	ug/l	91
8) Diethyl Ether	1.70	74	7658	16.67	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.88	101	42521	24.98	ug/l	89
10) Methyl Iodide	1.93	142	58392	21.49	ug/l	97
11) Tert butyl alcohol	2.67	59	5862	60.06	ug/l #	93
12) 1,1-Dichloroethene	1.82	96	30939	24.14	ug/l	88
13) Acrolein	2.09	56	2477	51.77	ug/l	92
14) Allyl chloride	2.19	41	47439	21.27	ug/l	99
15) Acrylonitrile	3.08	53	11429	68.03	ug/l	93
16) Acetone	2.33	43	23985	58.04	ug/l	94
17) Carbon Disulfide	1.84	76	93531	29.00	ug/l	99
18) Methyl Acetate	2.44	43	9454	12.47	ug/l #	87
19) Methyl tert-butyl Ether	2.53	73	46692	13.76	ug/l	98
20) Methylene Chloride	2.27	84	22191	16.61	ug/l	90
21) trans-1,2-Dichloroethene	2.40	96	31566	23.36	ug/l	93
22) Diisopropyl ether	2.92	45	75635	17.68	ug/l	97
23) Vinyl Acetate	3.33	43	126782	64.24	ug/l #	94
24) 1,1-Dichloroethane	2.99	63	62488	20.53	ug/l	97
25) 2-Butanone	4.51	43	37033	75.24	ug/l	95
26) 2,2-Dichloropropane	3.76	77	67953	28.85	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	31760	19.20	ug/l	95
28) Bromochloromethane	3.88	49	16835	13.67	ug/l	91
29) Tetrahydrofuran	4.26	42	12024	49.50	ug/l	98
30) Chloroform	4.03	83	78352	18.56	ug/l	97
31) Cyclohexane	3.85	56	46350	26.16	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	87222	24.24	ug/l	97
36) 1,1-Dichloropropene	4.45	75	61143	25.93	ug/l	95
37) Ethyl Acetate	4.30	43	14434	14.67	ug/l #	88
38) Carbon Tetrachloride	4.17	117	85654	26.32	ug/l	94

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
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Instrument :
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Quant Time: Jul 26 03:44:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	56575	29.58	ug/l	98
40) Benzene	4.81	78	99296	22.76	ug/l	95
41) Methacrylonitrile	4.92	41	6507	14.75	ug/l	92
42) 1,2-Dichloroethane	5.11	62	39007	15.09	ug/l	97
43) Isopropyl Acetate	7.11	43	13510	13.03	ug/l #	96
44) Trichloroethene	5.67	130	38521	23.92	ug/l	97
45) 1,2-Dichloropropane	6.39	63	19681	17.82	ug/l	96
46) Dibromomethane	6.26	93	14061	15.07	ug/l	96
47) Bromodichloromethane	6.54	83	50507	18.52	ug/l	92
48) Methyl methacrylate	6.87	41	9259	12.13	ug/l #	87
49) 1,4-Dioxane	6.89	88	1933	328.99	ug/l #	72
51) 4-Methyl-2-Pentanone	8.41	43	55138	72.33	ug/l	96
52) Toluene	7.78	92	72095	23.67	ug/l	91
53) t-1,3-Dichloropropene	8.43	75	33385	15.36	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	41195	17.93	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	14626	15.04	ug/l	97
56) Ethyl methacrylate	8.76	69	14187	13.64	ug/l	88
57) 1,3-Dichloropropane	9.00	76	26496	15.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	13098	98.14	ug/l	100
59) 2-Hexanone	9.63	43	41567	71.40	ug/l	97
60) Dibromochloromethane	8.86	129	26341	14.65	ug/l	93
61) 1,2-Dibromoethane	9.14	107	17307	14.57	ug/l	98
64) Tetrachloroethene	8.30	164	40509	26.70	ug/l	91
65) Chlorobenzene	9.94	112	81307	22.92	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	35287	21.46	ug/l	99
67) Ethyl Benzene	10.04	91	170747	26.79	ug/l	98
68) m/p-Xylenes	10.27	106	120229	52.79	ug/l	90
69) o-Xylene	10.83	106	59023	24.35	ug/l	100
70) Styrene	10.90	104	80559	23.01	ug/l	97
71) Bromoform	10.89	173	14455	15.62	ug/l	89
73) Isopropylbenzene	11.22	105	214682	29.95	ug/l	99
74) N-amyl acetate	11.46	43	28752	18.71	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	19144	17.64	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	15446	17.23	ug/l	87
77) Bromobenzene	11.60	156	39602	22.59	ug/l	92
78) n-propylbenzene	11.69	91	257369	30.17	ug/l	98
79) 2-Chlorotoluene	11.82	91	135775	26.44	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	179210	28.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	6167	11.18	ug/l #	85
82) 4-Chlorotoluene	11.99	91	135980	24.82	ug/l	92
83) tert-Butylbenzene	12.22	119	186709	29.08	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	174725	26.73	ug/l	99
85) sec-Butylbenzene	12.39	105	257821	30.12	ug/l	95
86) p-Isopropyltoluene	12.54	119	211836	28.43	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	83696	24.45	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	77604	22.83	ug/l	97
89) n-Butylbenzene	12.92	91	211058	30.47	ug/l	97
90) Hexachloroethane	13.00	117	50712	27.90	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	68815	21.00	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3538	12.64	ug/l #	58

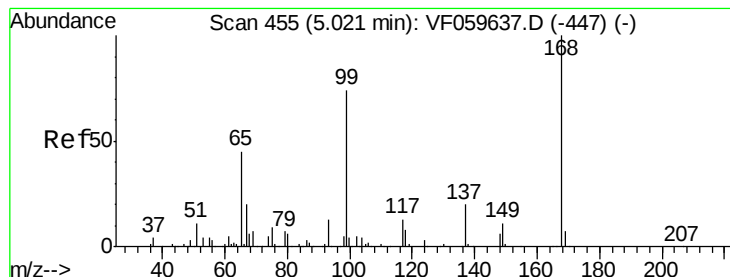
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072518\
Data File : VF059665.D
Acq On : 25 Jul 2018 18:40
Operator : VA/AP
Sample : VF0725SBSD01
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 02:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	49114	17.41	ug/l	98
94) Hexachlorobutadiene	14.26	225	49939	26.38	ug/l	92
95) Naphthalene	14.53	128	53662	13.22	ug/l	96
96) 1,2,3-Trichlorobenzene	14.67	180	39940	17.25	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

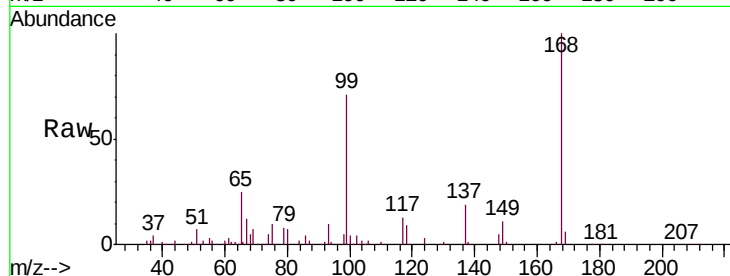
VF0725SBS01

Tot Ion:168 Resp: 188085

Ion Ratio Lower Upper

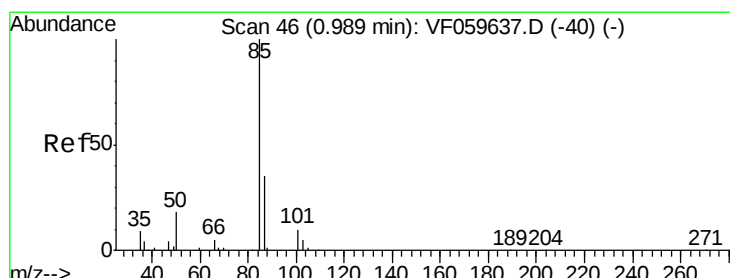
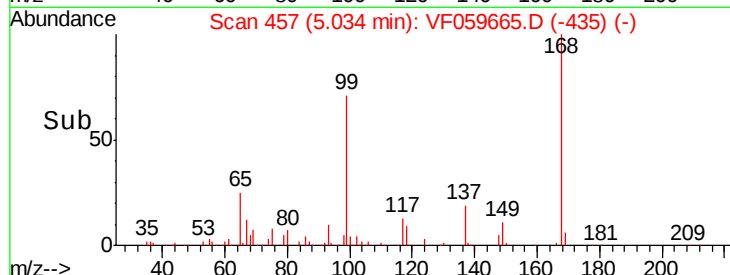
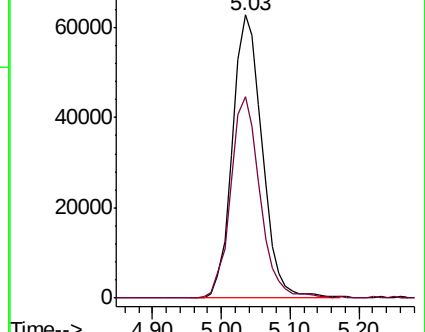
168 100

99 71.2 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: 22.84 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059665.D

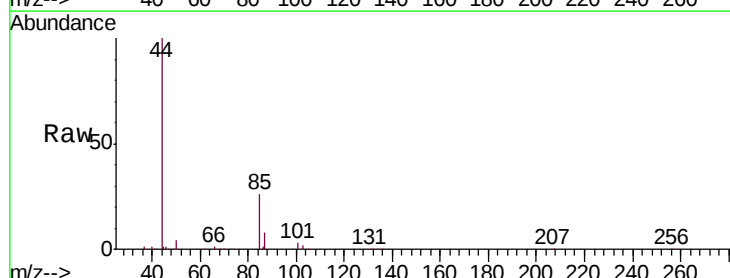
Acq: 25 Jul 2018 18:40

Tgt Ion: 85 Resp: 50283

Ion Ratio Lower Upper

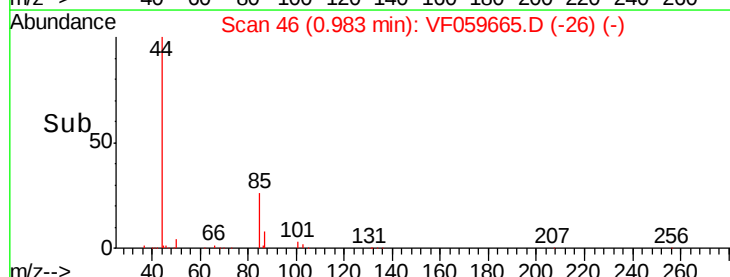
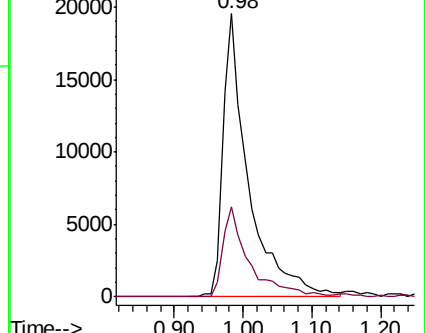
85 100

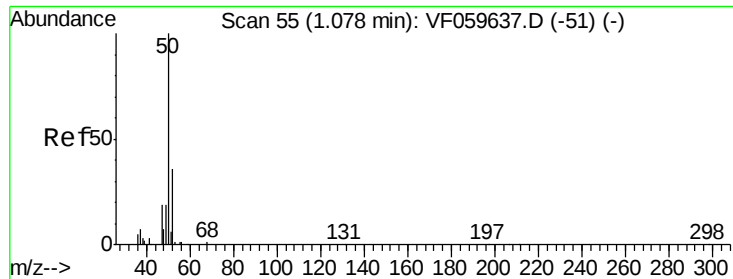
87 32.0 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 22.26 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

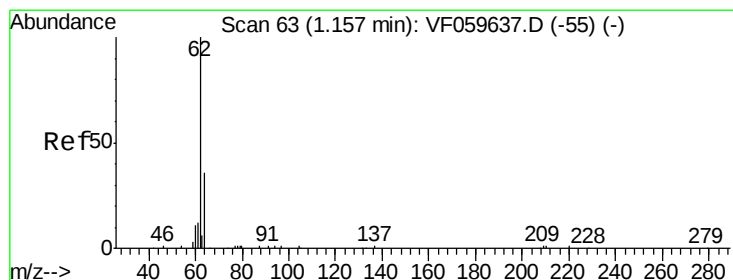
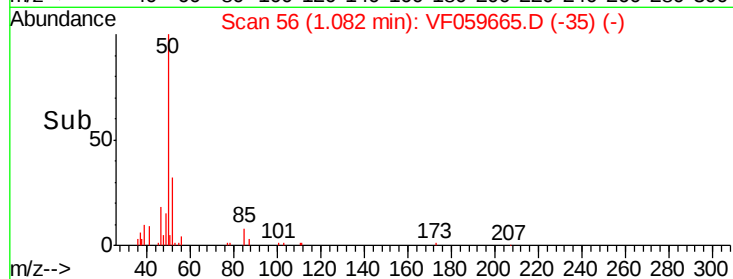
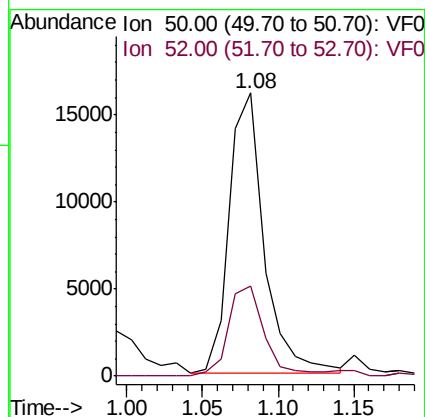
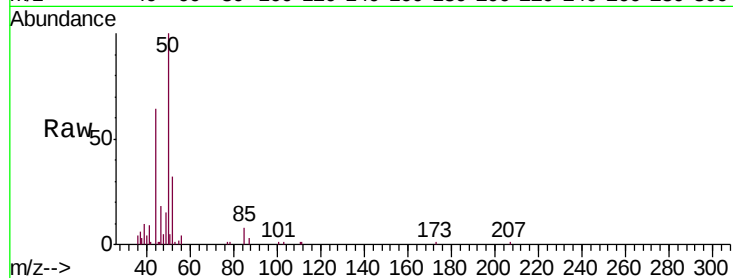
VF0725SBS01

Tot Ion: 50 Resp: 25631

Ion Ratio Lower Upper

50 100

52 31.8 28.0 42.0



#4

Vinyl Chloride

Concen: 25.90 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.02 min

Lab File: VF059665.D

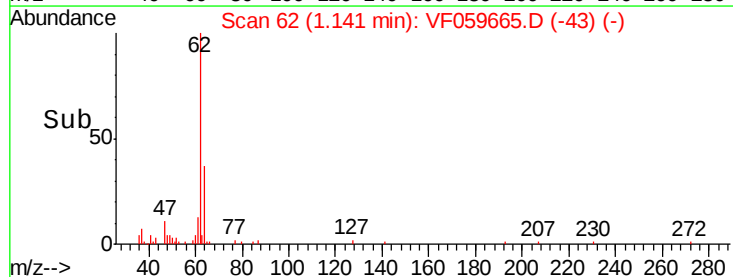
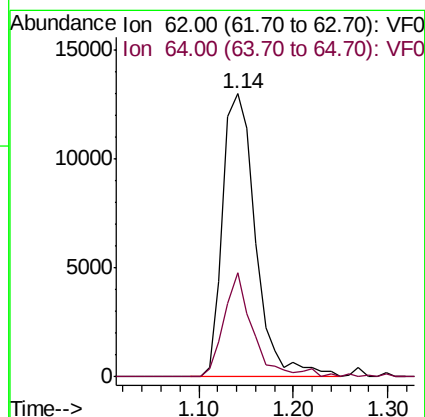
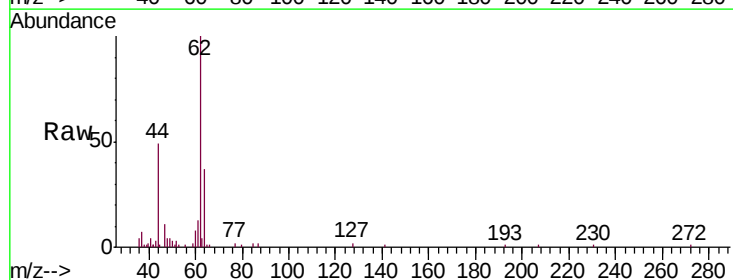
Acq: 25 Jul 2018 18:40

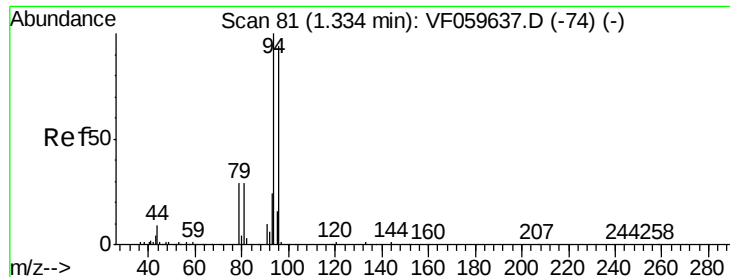
Tgt Ion: 62 Resp: 31484

Ion Ratio Lower Upper

62 100

64 36.9 28.6 43.0





#5

Bromomethane

Concen: 21.76 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

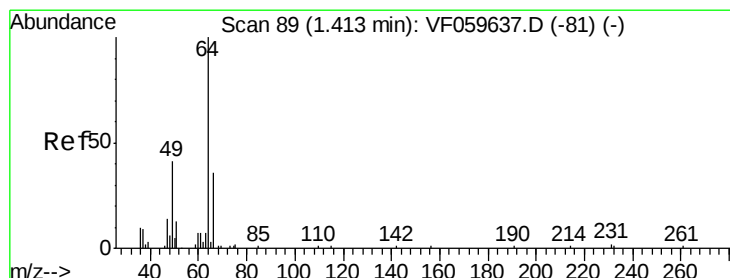
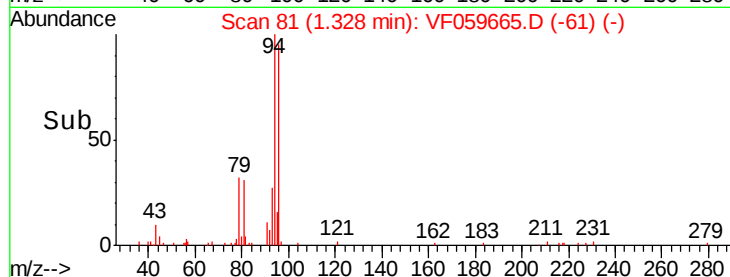
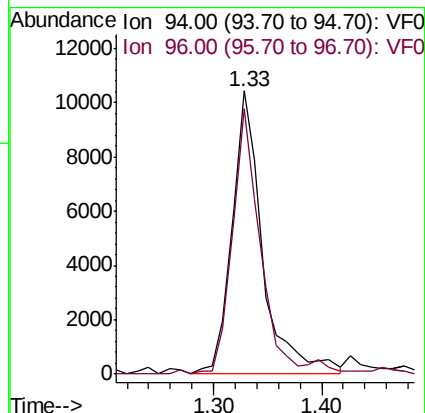
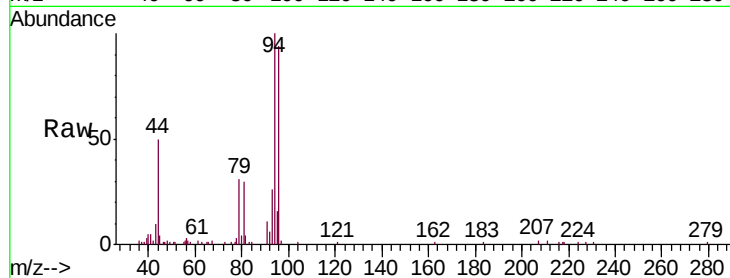
VF0725SBS01

Tot Ion: 94 Resp: 20570

Ion Ratio Lower Upper

94 100

96 93.9 74.6 112.0



#6

Chloroethane

Concen: 22.87 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.02 min

Lab File: VF059665.D

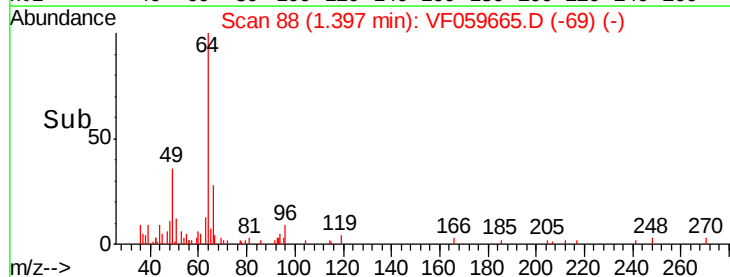
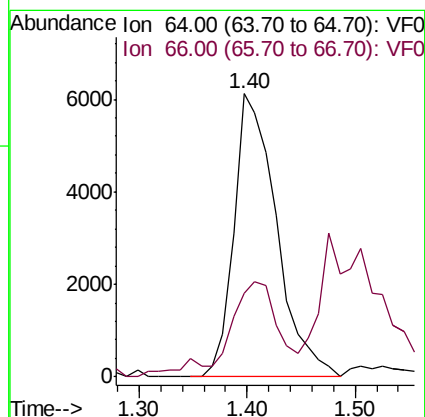
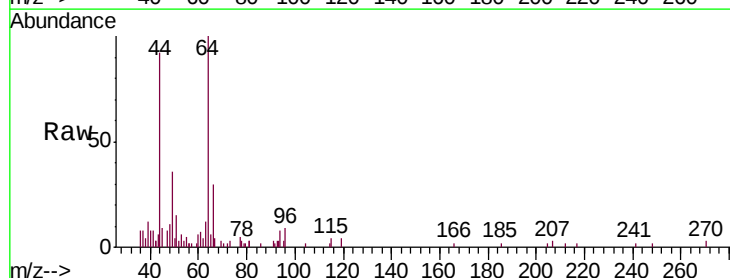
Acq: 25 Jul 2018 18:40

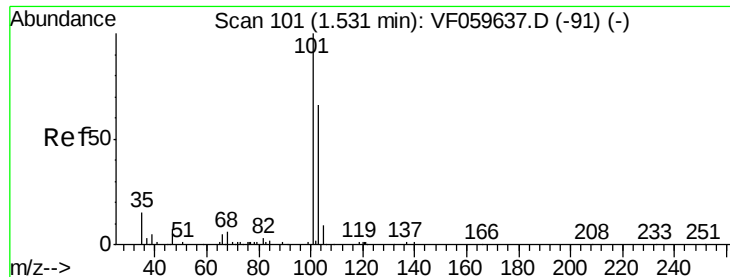
Tgt Ion: 64 Resp: 16724

Ion Ratio Lower Upper

64 100

66 29.7 29.0 43.6





#7

Trichlorofluoromethane

Concen: 23.83 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.05 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

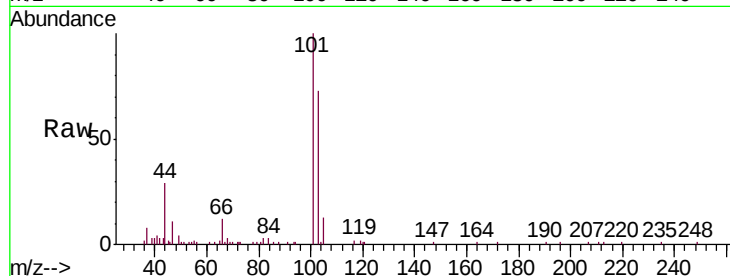
VF0725SBS01

Tot Ion:101 Resp: 78636

Ion Ratio Lower Upper

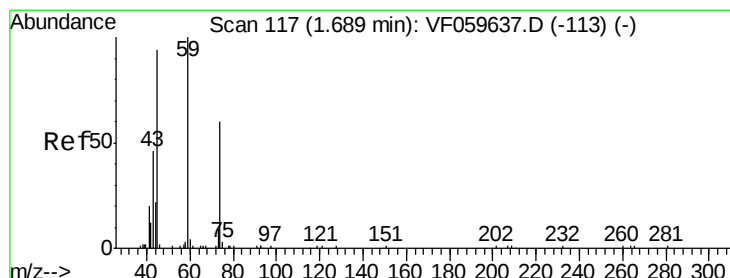
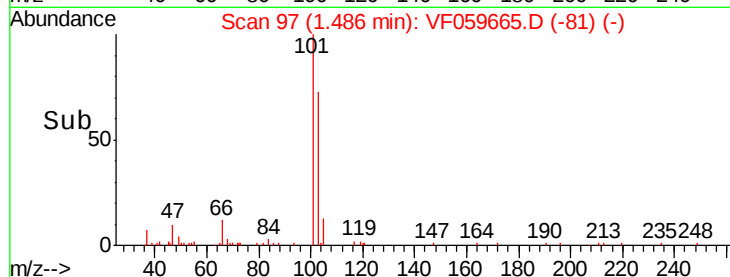
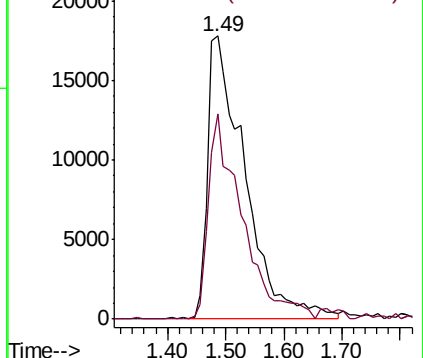
101 100

103 72.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 16.67 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF059665.D

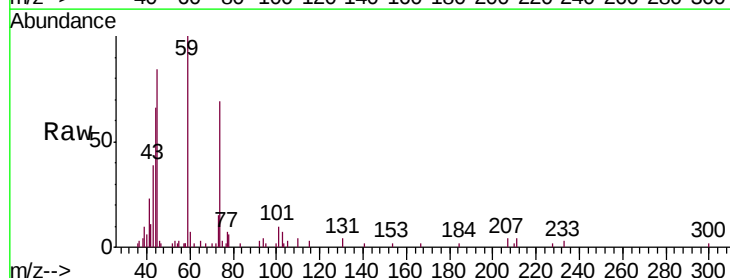
Acq: 25 Jul 2018 18:40

Tgt Ion: 74 Resp: 7658

Ion Ratio Lower Upper

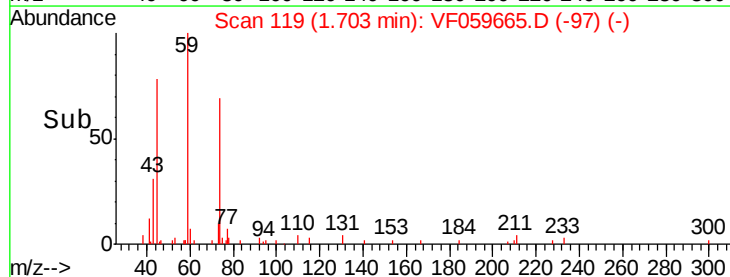
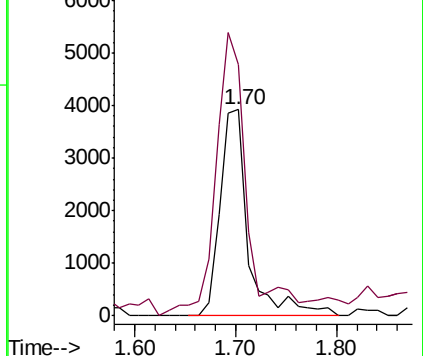
74 100

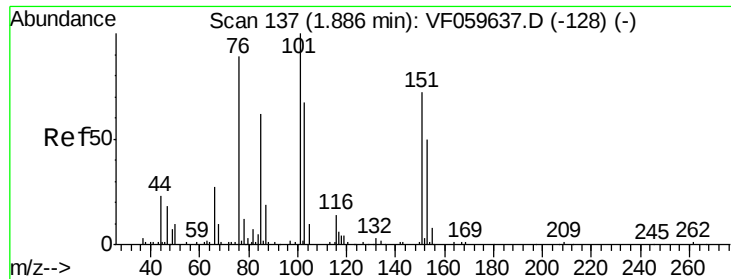
45 122.1 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.98 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

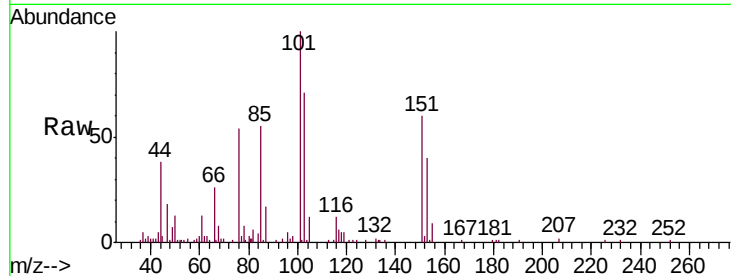
Tot Ion:101 Resp: 42521

Ion Ratio Lower Upper

101 100

85 55.0 49.0 73.4

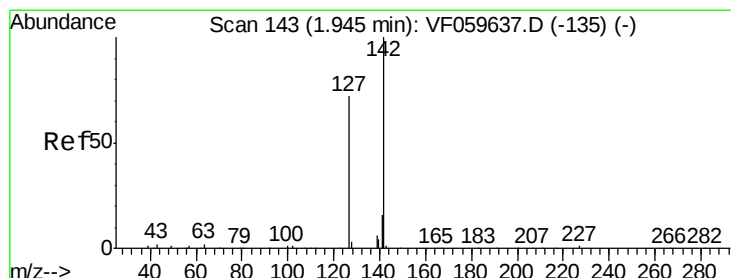
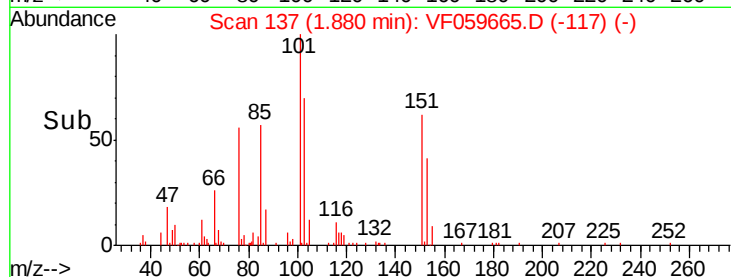
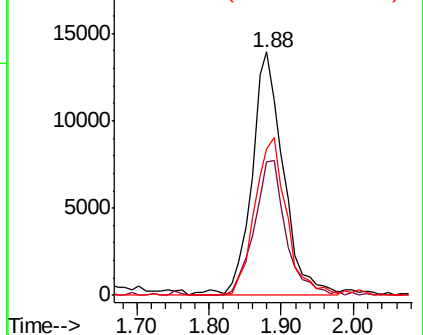
151 59.9 56.8 85.2



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: 21.49 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.02 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

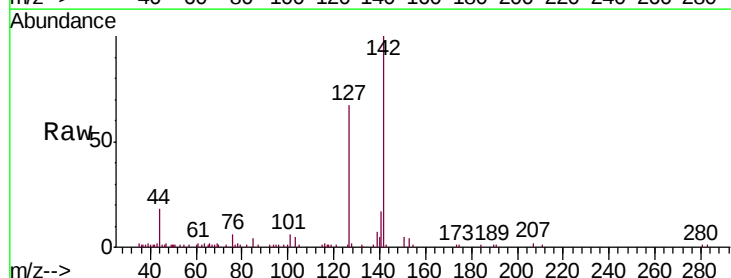
Tgt Ion:142 Resp: 58392

Ion Ratio Lower Upper

142 100

127 68.4 57.5 86.3

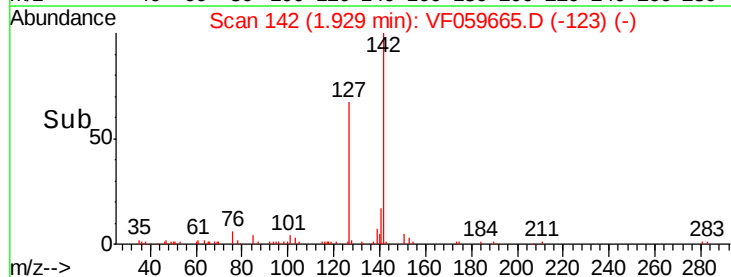
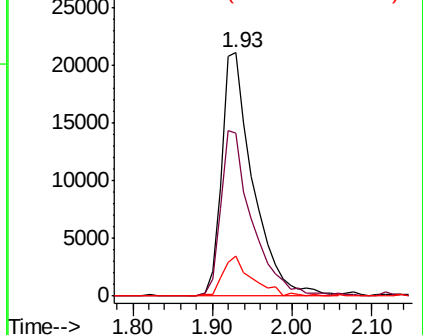
141 16.5 13.2 19.8

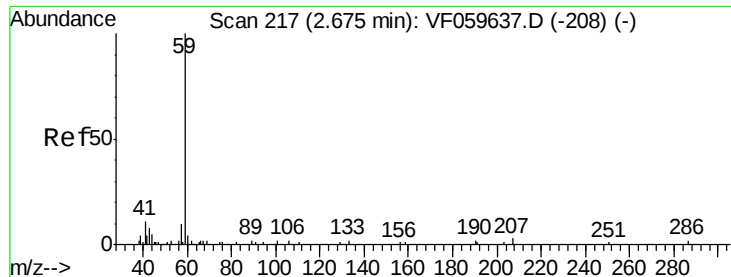


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



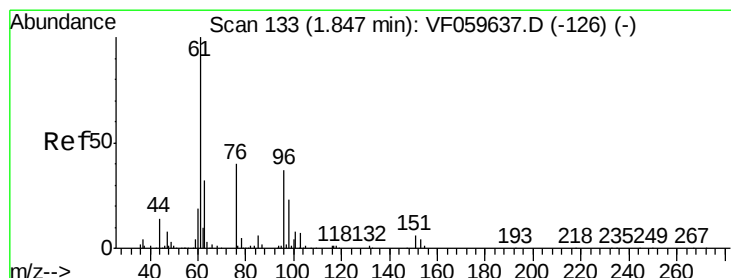
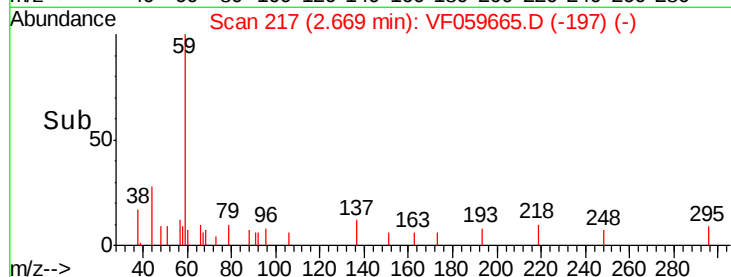
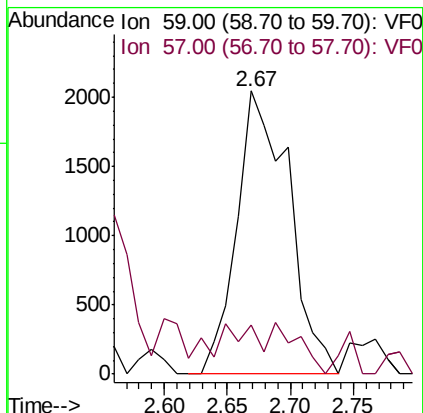
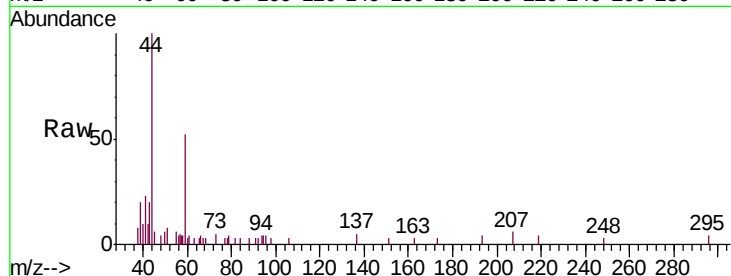


#11

Tert butyl alcohol
Concen: 60.06 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

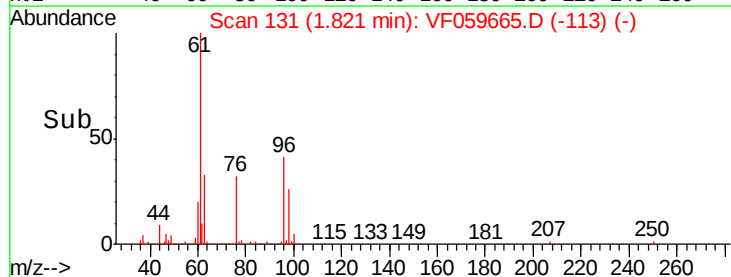
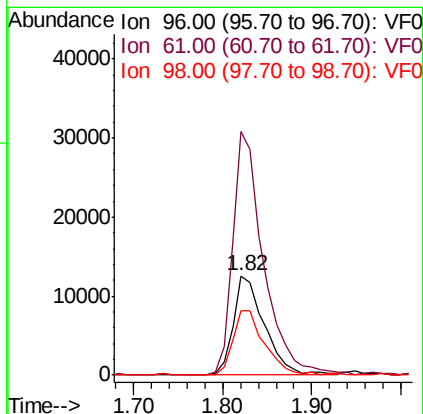
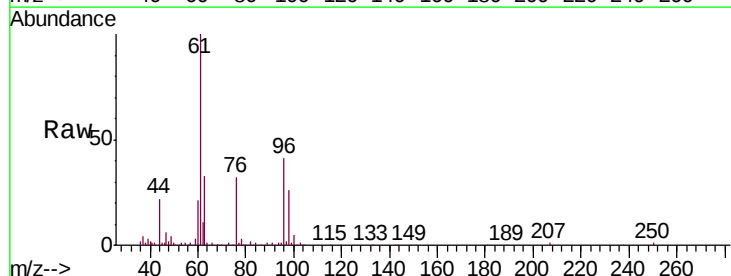
Tot Ion: 59 Resp: 5862
Ion Ratio Lower Upper
59 100
57 17.2 11.4 17.2#

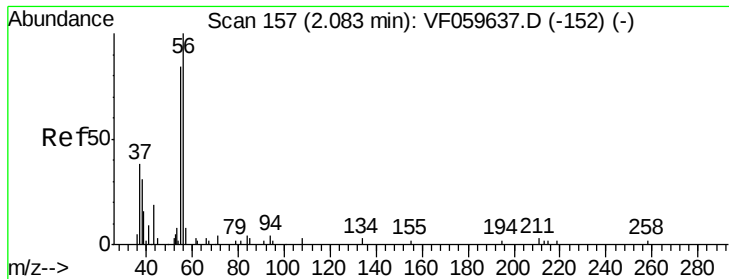


#12

1,1-Dichloroethene
Concen: 24.14 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.03 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion: 96 Resp: 30939
Ion Ratio Lower Upper
96 100
61 245.0 218.2 327.4
98 64.2 50.6 76.0





#13

Acrolein

Concen: 51.77 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

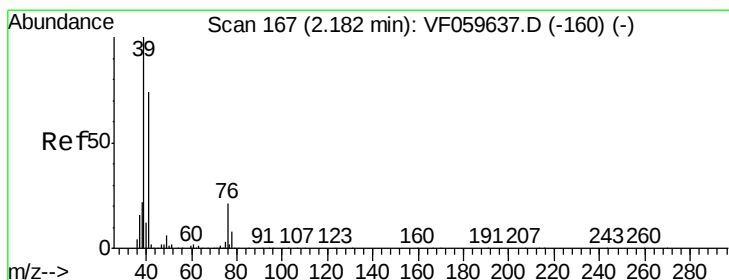
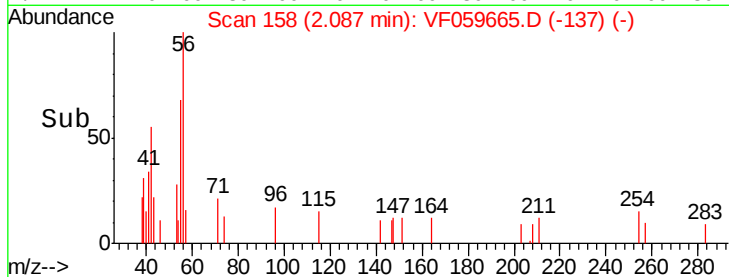
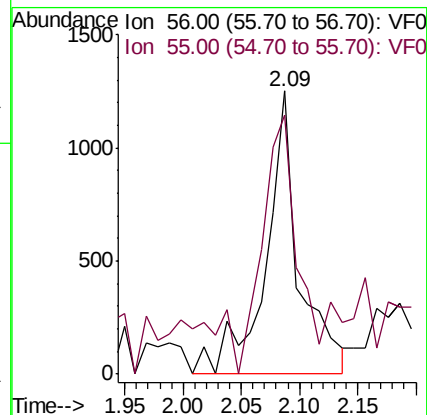
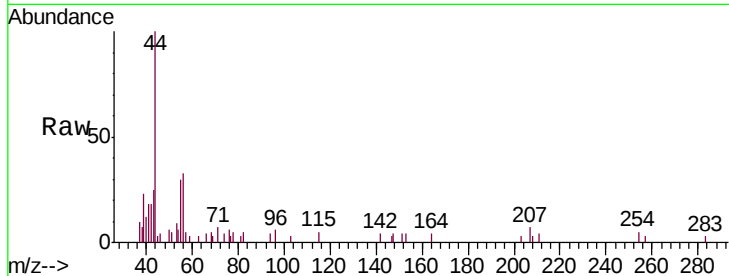
VF0725SBSD01

Tot Ion: 56 Resp: 2477

Ion Ratio Lower Upper

56 100

55 91.6 67.2 100.8



#14

Allyl chloride

Concen: 21.27 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

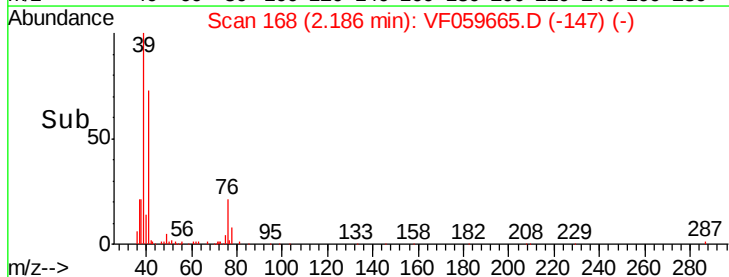
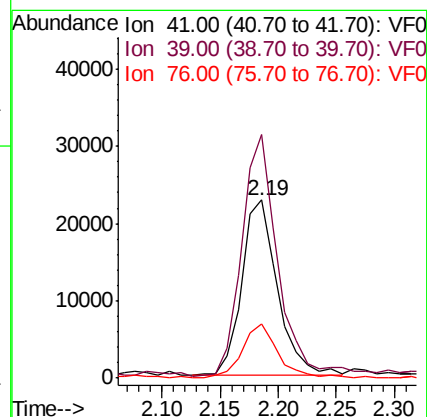
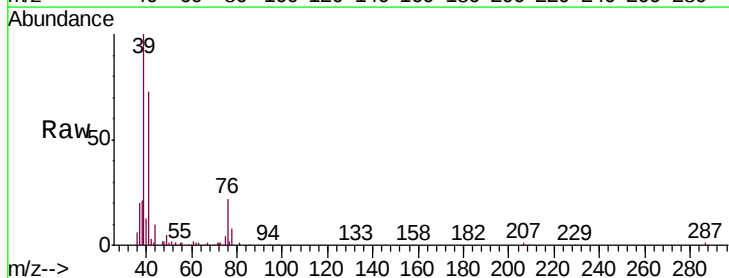
Tgt Ion: 41 Resp: 47439

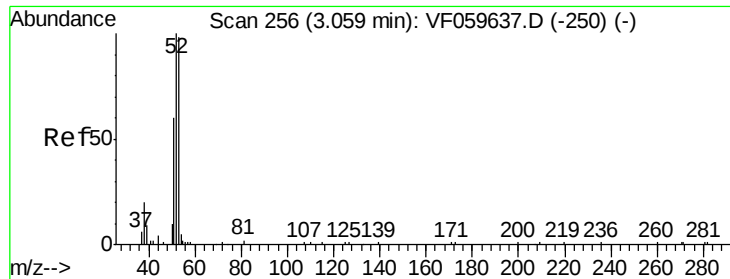
Ion Ratio Lower Upper

41 100

39 136.9 108.6 162.8

76 30.4 23.0 34.6





#15

Acrylonitrile

Concen: 68.03 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

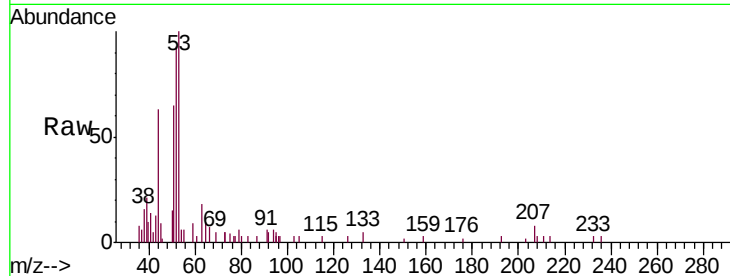
MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 53 Resp: 11429

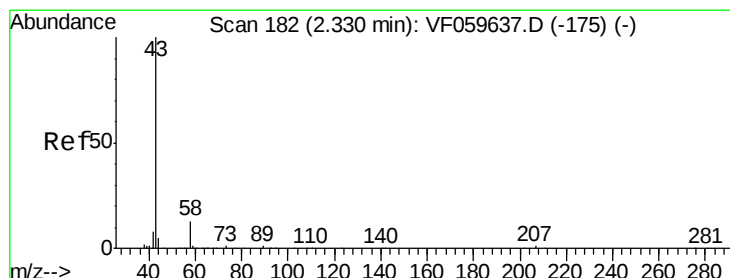
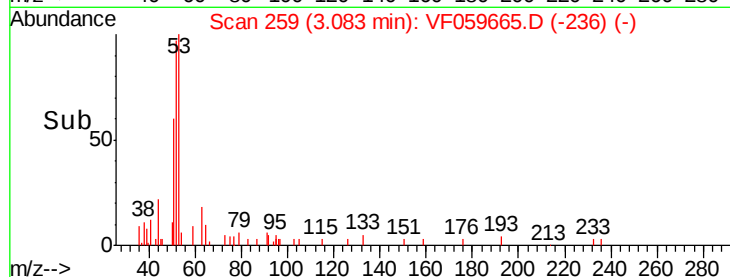
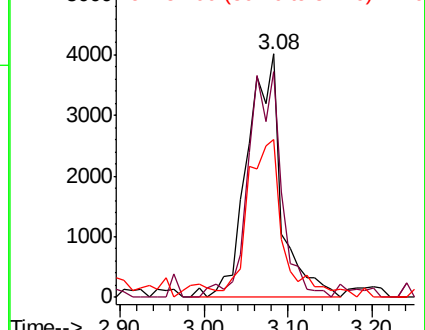
Ion	Ratio	Lower	Upper
53	100		
52	92.7	80.9	121.3
51	65.0	49.4	74.2



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: 58.04 ug/l

RT: 2.33 min Scan# 183

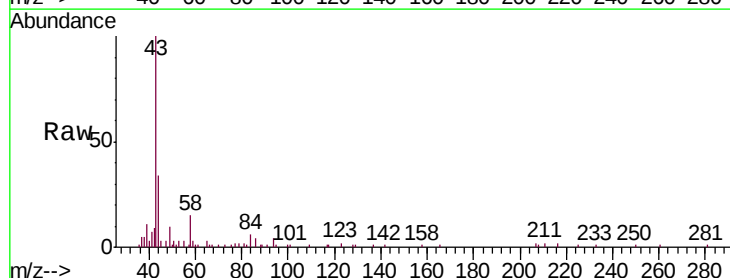
Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

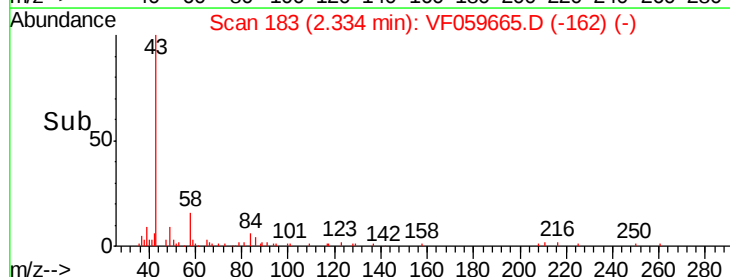
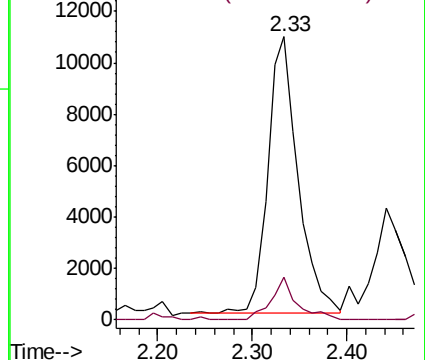
Tgt Ion: 43 Resp: 23985

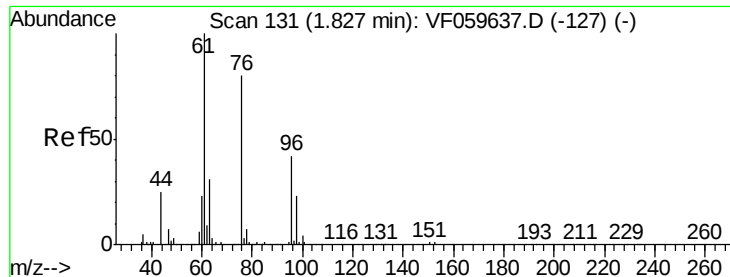
Ion	Ratio	Lower	Upper
43	100		
58	15.0	10.2	15.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

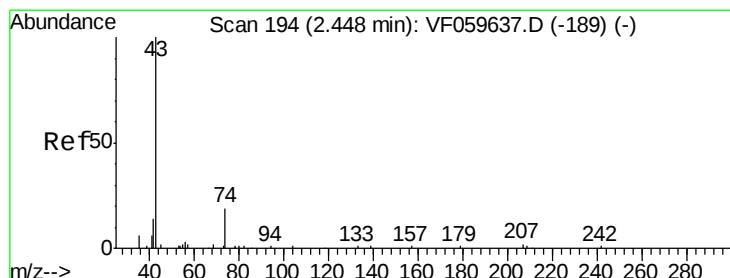
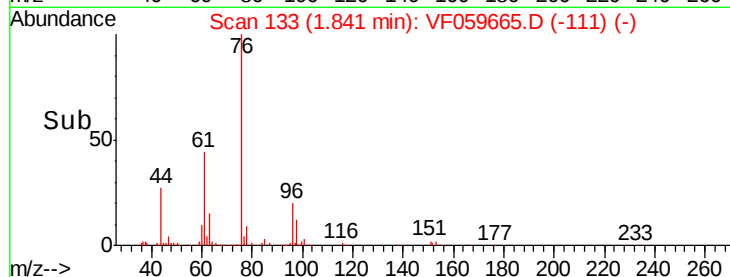
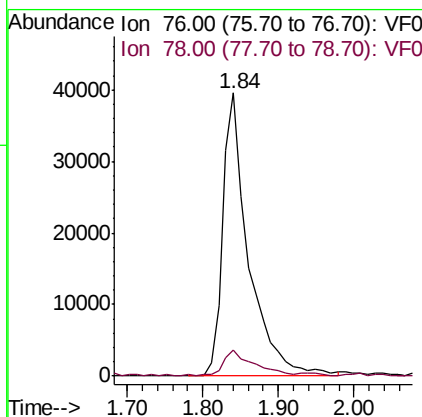
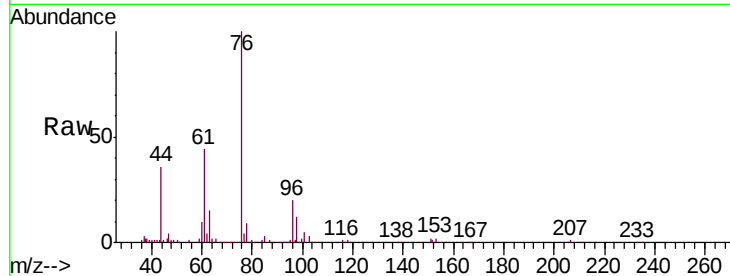




#17
Carbon Disulfide
Concen: 29.00 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

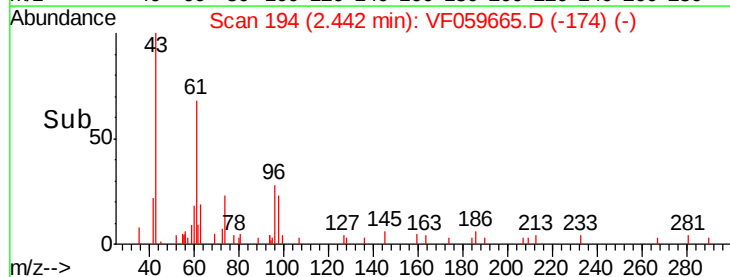
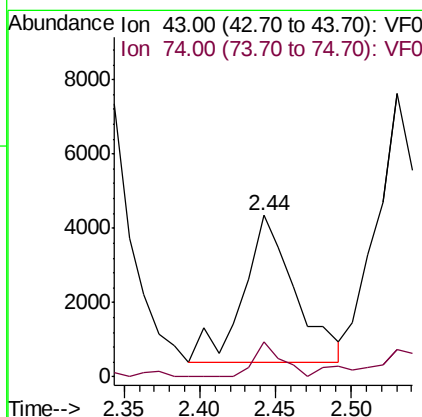
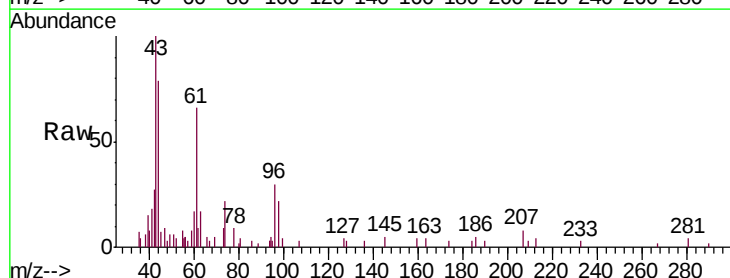
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBSD01

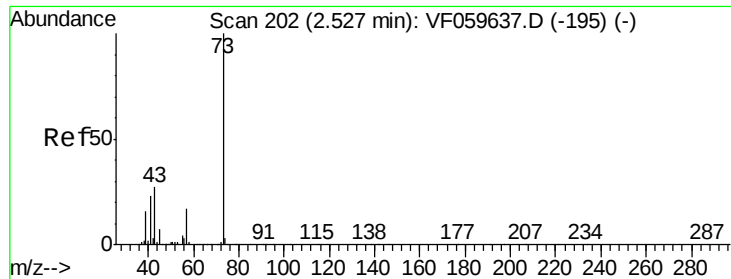
Tot Ion: 76 Resp: 93531
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 12.47 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion: 43 Resp: 9454
Ion Ratio Lower Upper
43 100
74 21.7 13.0 19.6#



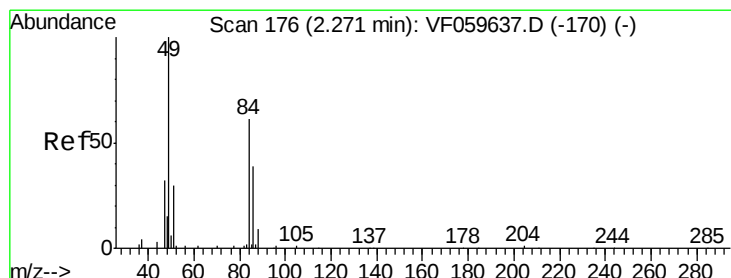
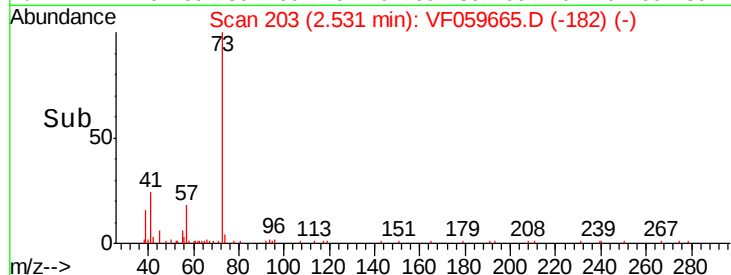
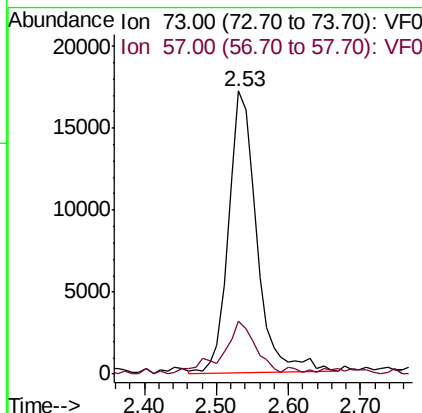
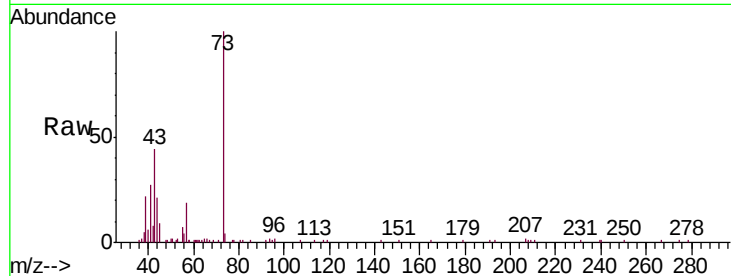


#19

Methyl tert-butyl Ether
 Concen: 13.76 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

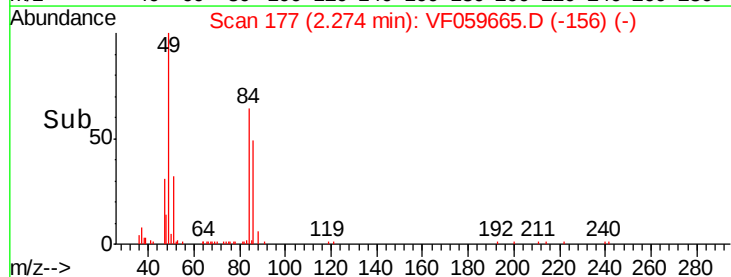
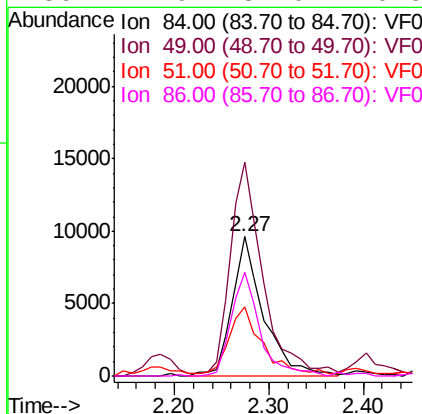
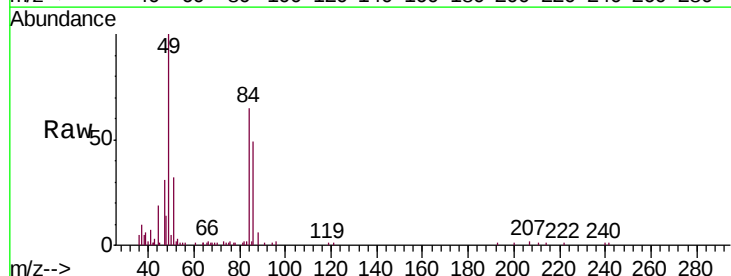
Tot Ion: 73 Resp: 46692
 Ion Ratio Lower Upper
 73 100
 57 18.9 14.2 21.4

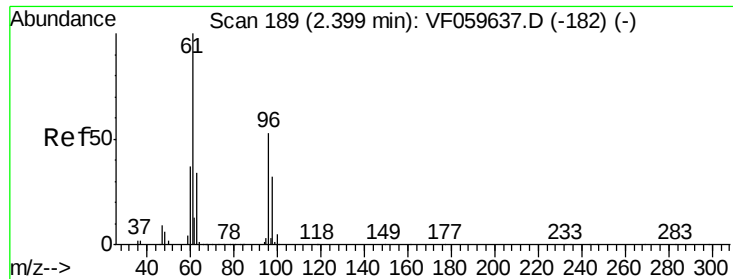


#20

Methylene Chloride
 Concen: 16.61 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion: 84 Resp: 22191
 Ion Ratio Lower Upper
 84 100
 49 153.7 133.8 200.8
 51 49.8 41.1 61.7
 86 74.9 51.0 76.6

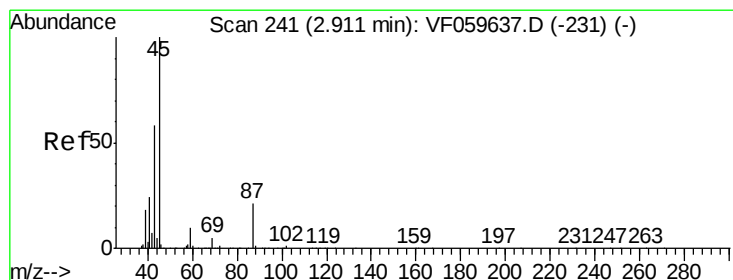
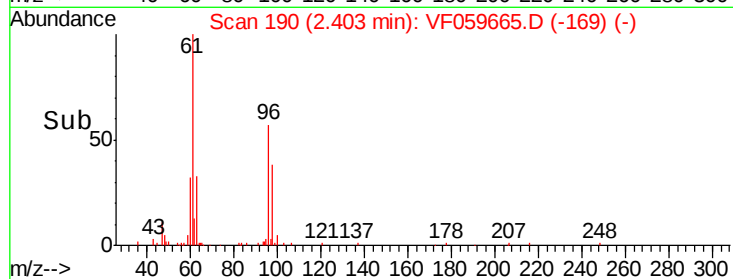
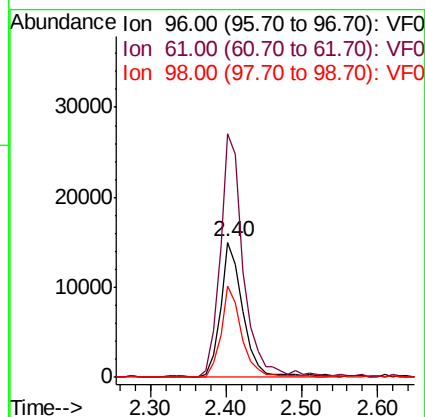
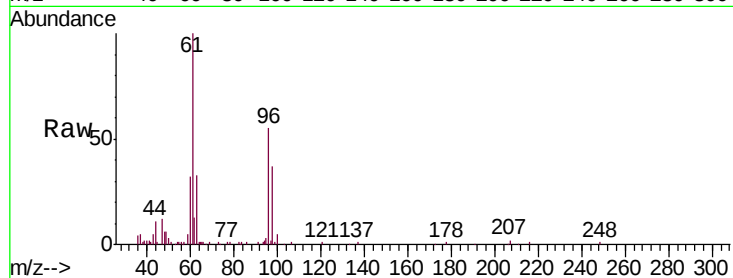




#21
trans-1,2-Dichloroethene
Concen: 23.36 ug/l
RT: 2.40 min Scan# 190
Delta R.T. 0.00 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

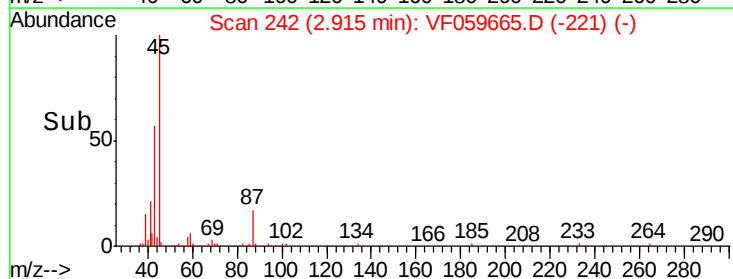
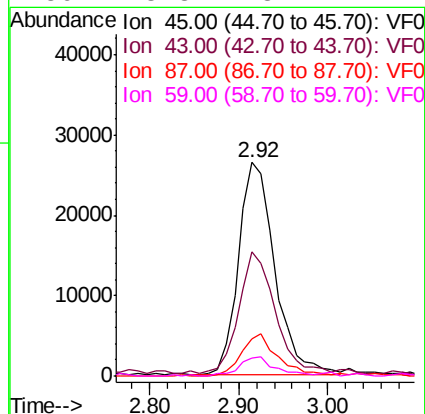
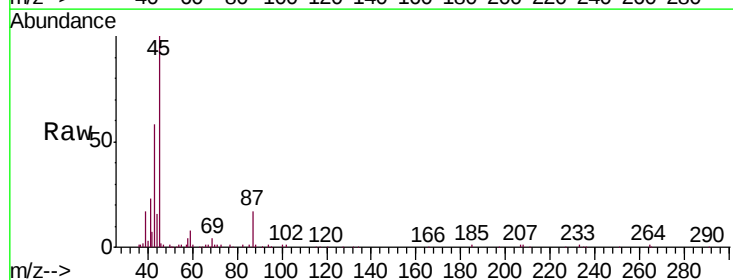
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBSD01

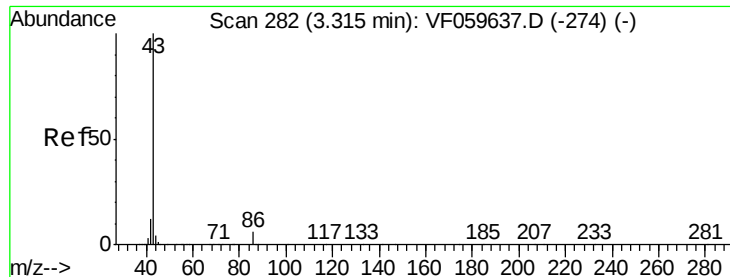
Tot Ion	Ratio	Lower	Upper
96	100		
61	180.4	151.4	227.2
98	67.5	49.0	73.6



#22
Diisopropyl ether
Concen: 17.68 ug/l
RT: 2.92 min Scan# 242
Delta R.T. 0.00 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	46.5	69.7
87	17.1	16.5	24.7
59	8.3	8.2	12.2





#23

Vinyl Acetate

Concen: 64.24 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

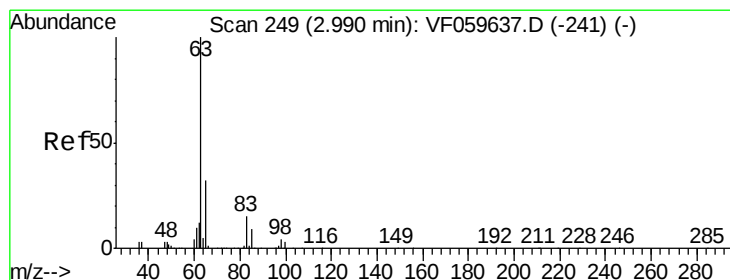
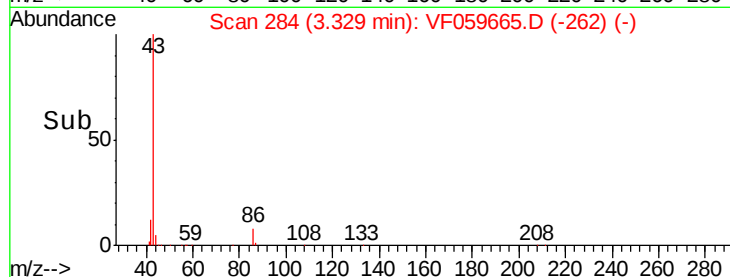
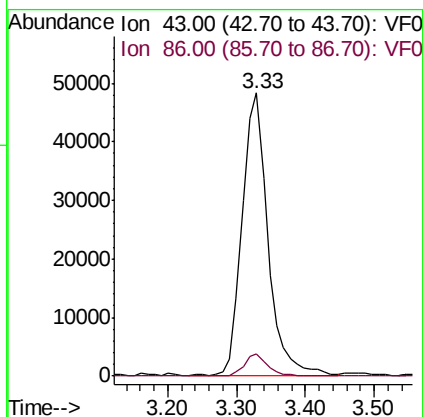
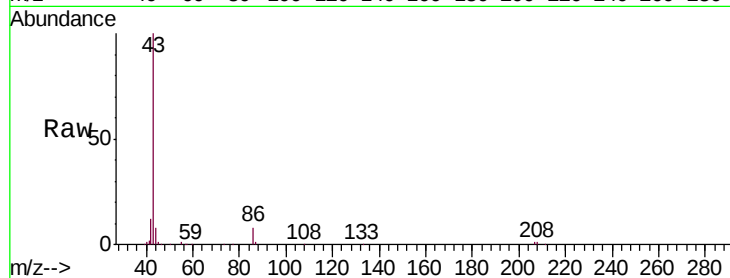
VF0725SBS01

Tot Ion: 43 Resp: 126782

Ion Ratio Lower Upper

43 100

86 7.7 4.5 6.7#



#24

1,1-Dichloroethane

Concen: 20.53 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

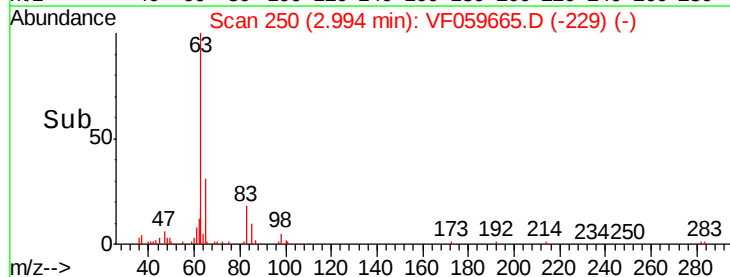
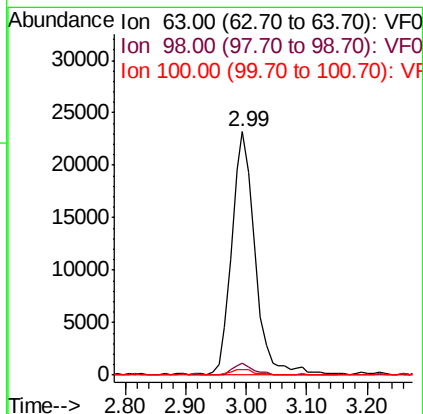
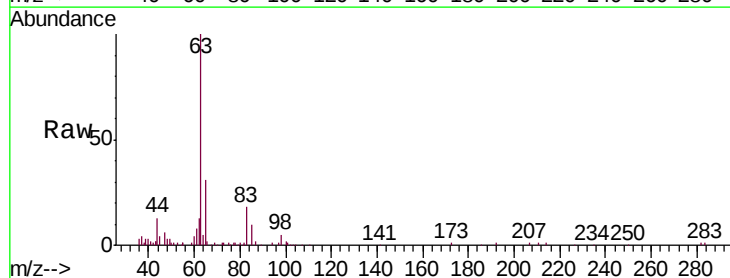
Tgt Ion: 63 Resp: 62488

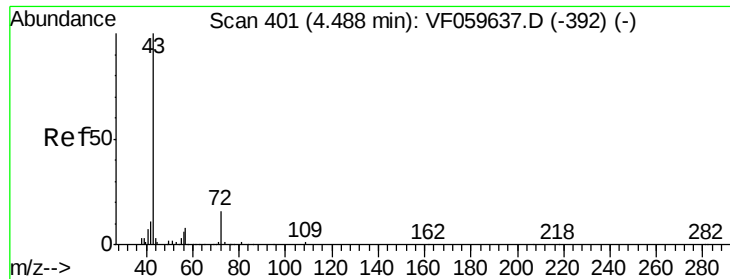
Ion Ratio Lower Upper

63 100

98 4.8 1.8 5.5

100 2.2 1.3 3.9





#25

2-Butanone

Concen: 75.24 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

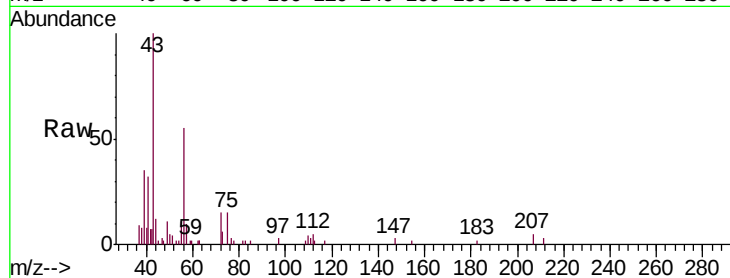
VF0725SBS01

Tot Ion: 43 Resp: 37033

Ion Ratio Lower Upper

43 100

72 14.6 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

8000

6000

4000

2000

0

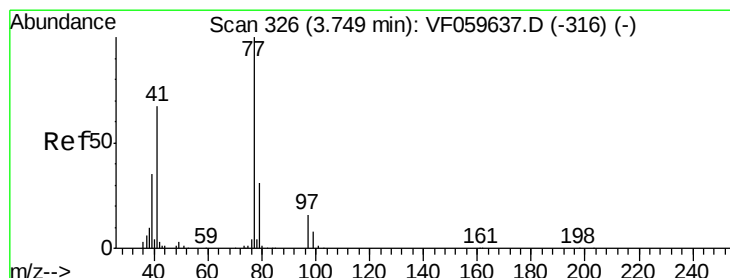
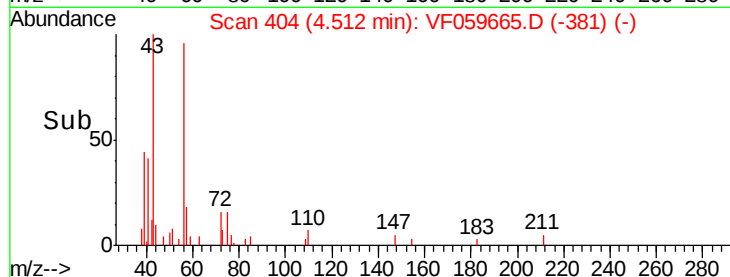
4.40

4.50

4.60

4.70

Time-->



#26

2,2-Dichloropropane

Concen: 28.85 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059665.D

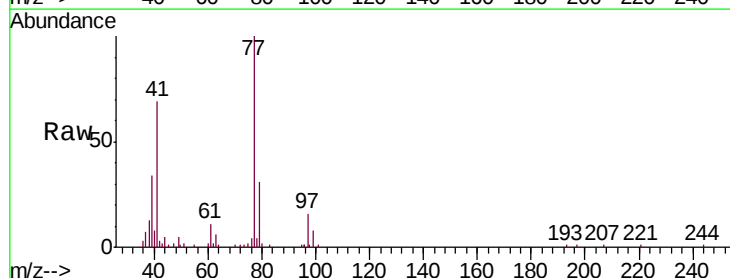
Acq: 25 Jul 2018 18:40

Tgt Ion: 77 Resp: 67953

Ion Ratio Lower Upper

77 100

97 16.2 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

20000

15000

10000

5000

0

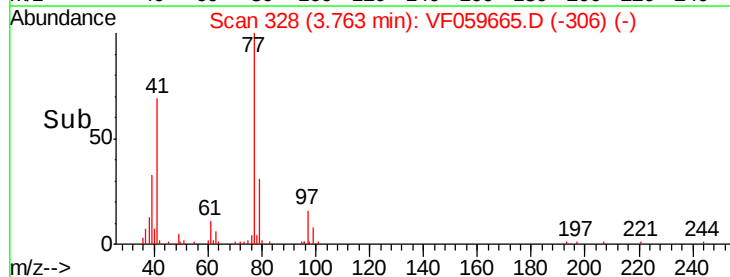
3.60

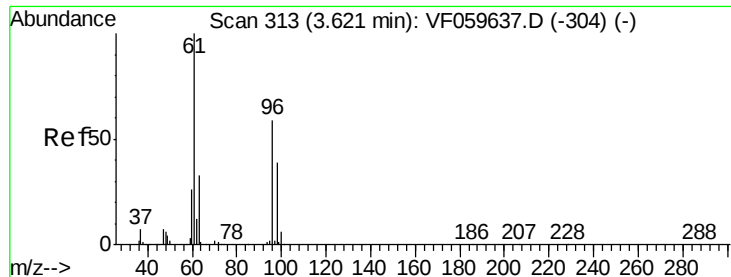
3.70

3.80

3.90

Time-->



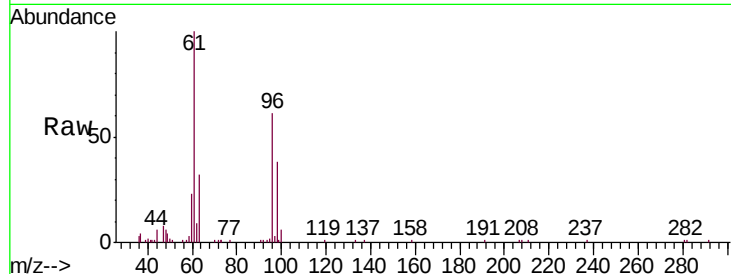


#27

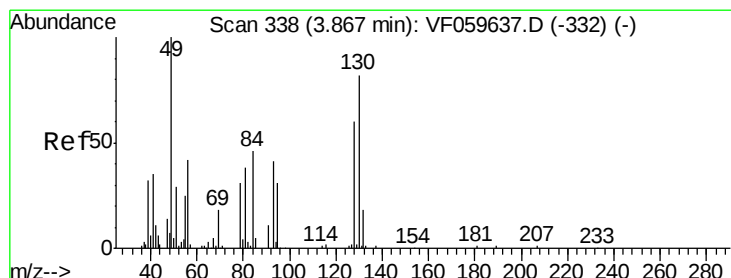
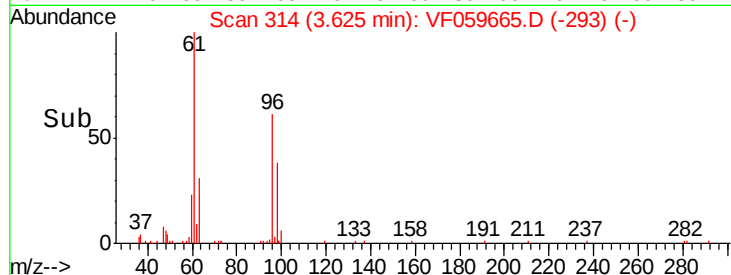
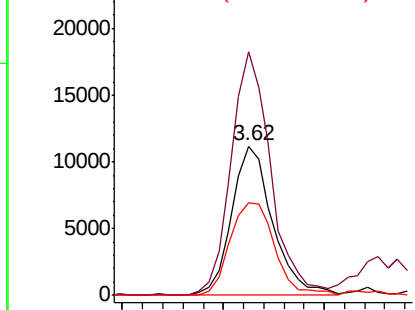
cis-1,2-Dichloroethene
 Concen: 19.20 ug/l
 RT: 3.62 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	337.4
98	61.7	0.0	132.8



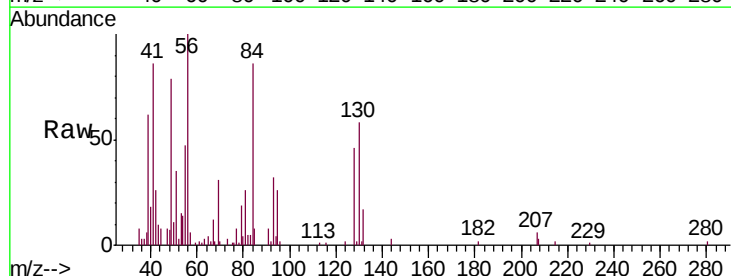
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



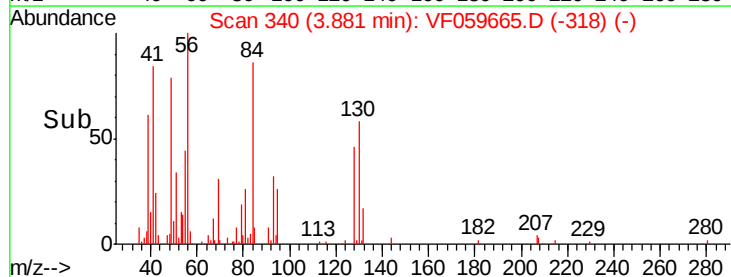
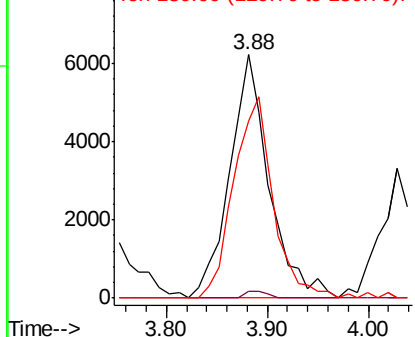
#28

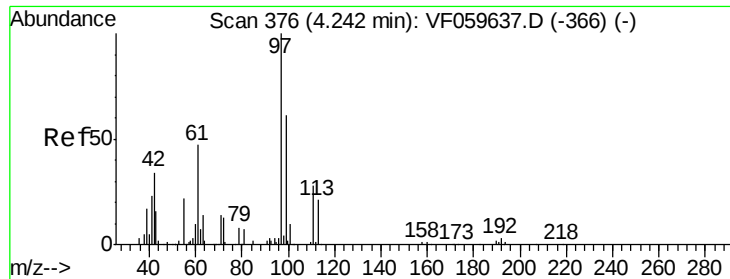
Bromochloromethane
 Concen: 13.67 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	72.7	65.0	97.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 49.50 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

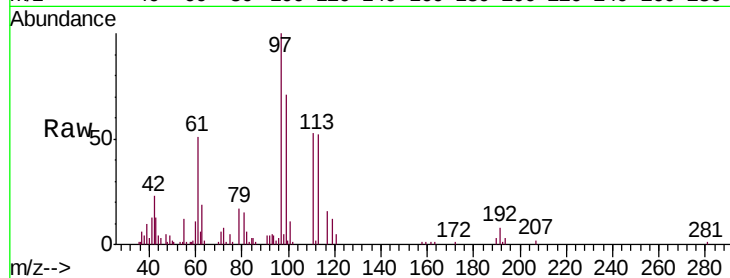
Tot Ion: 42 Resp: 12024

Ion Ratio Lower Upper

42 100

72 38.9 30.0 45.0

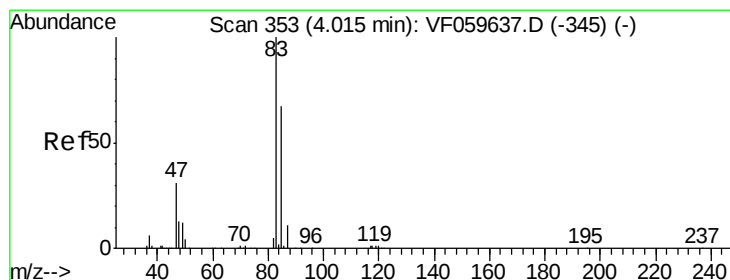
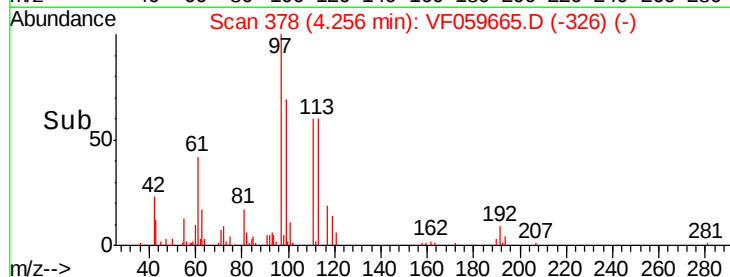
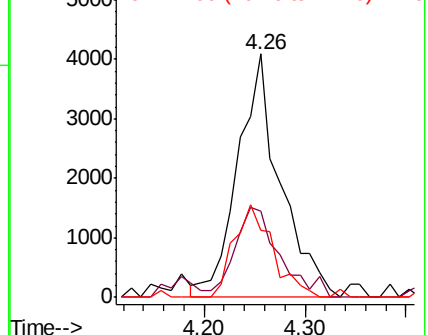
71 34.4 28.6 42.8



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: 18.56 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF059665.D

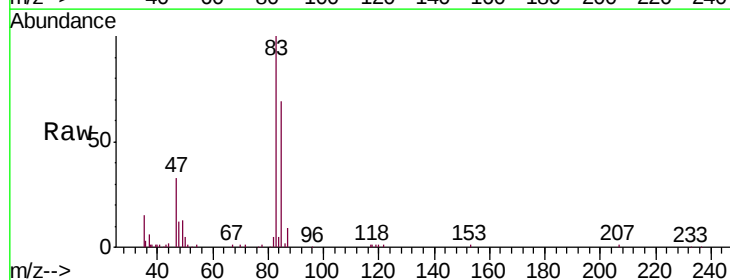
Acq: 25 Jul 2018 18:40

Tgt Ion: 83 Resp: 78352

Ion Ratio Lower Upper

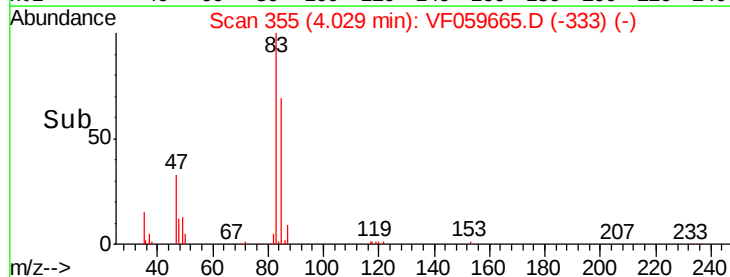
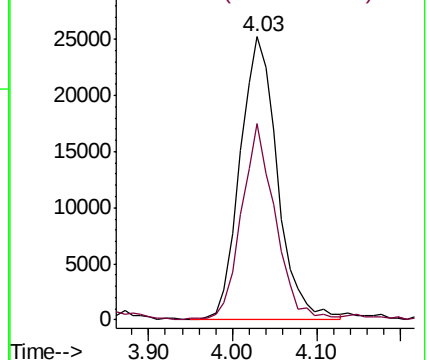
83 100

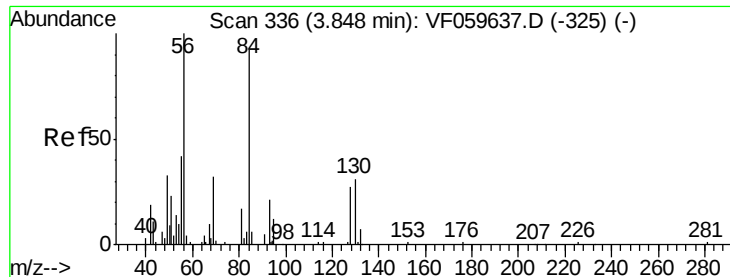
85 69.5 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 26.16 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

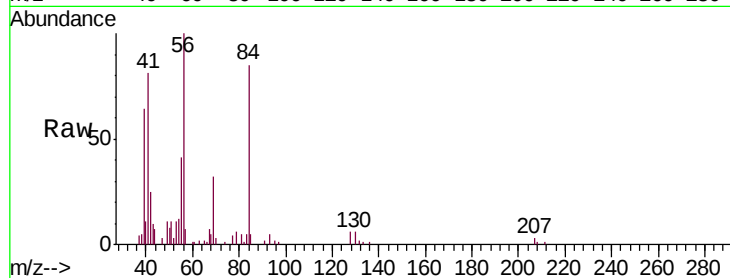
Tot Ion: 56 Resp: 46350

Ion Ratio Lower Upper

56 100

69 31.6 26.0 39.0

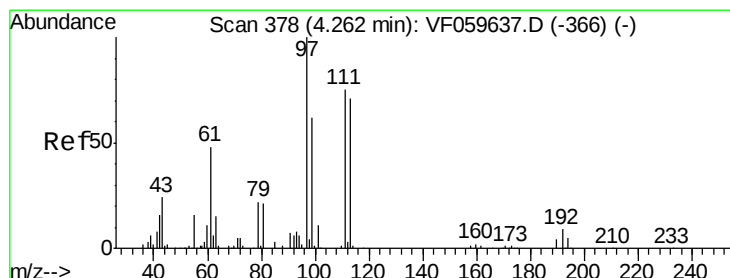
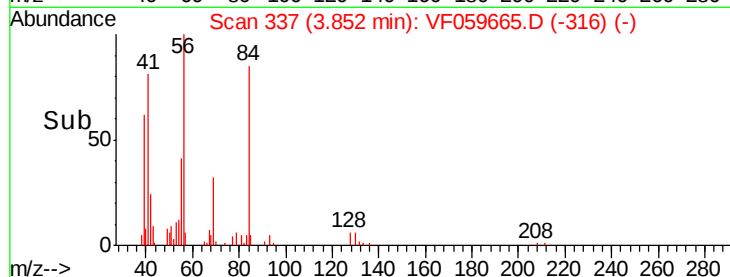
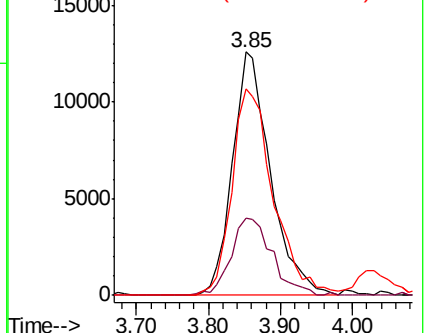
84 84.6 73.5 110.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 24.24 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

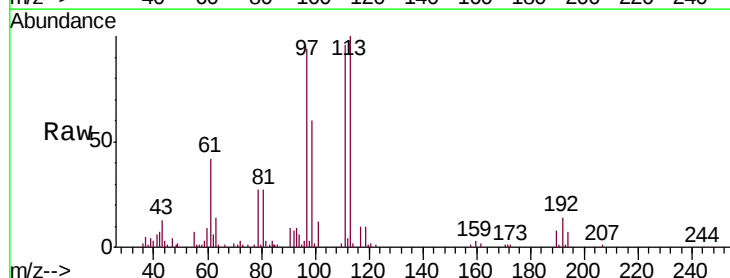
Tgt Ion: 97 Resp: 87222

Ion Ratio Lower Upper

97 100

99 63.4 49.8 74.6

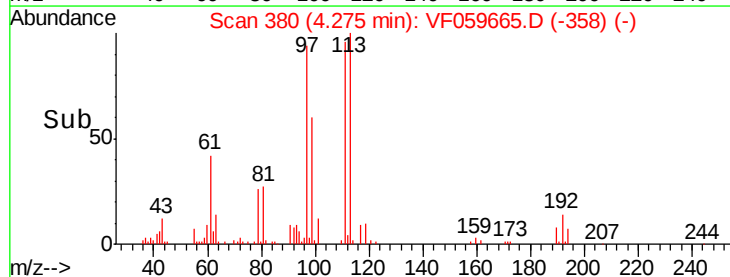
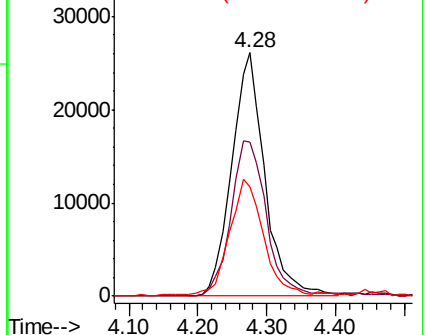
61 44.9 38.9 58.3

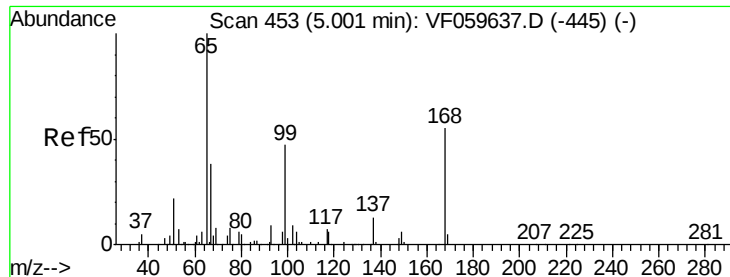


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

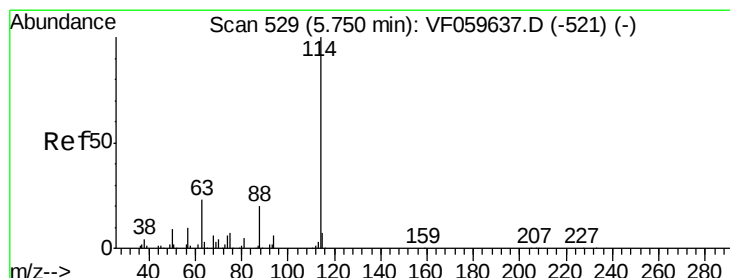
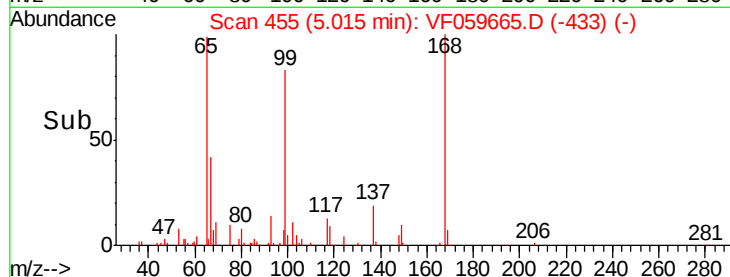
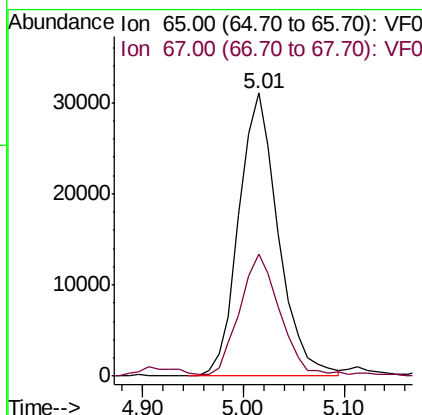
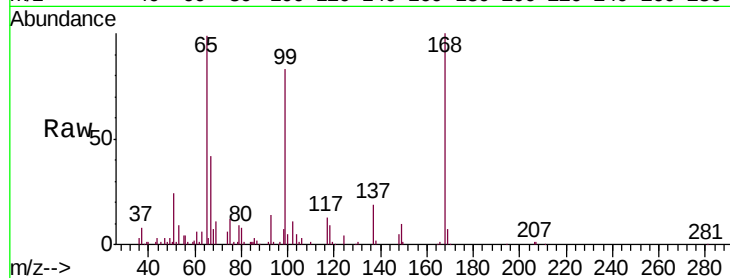




#33
 1,2-Dichloroethane-d4
 Concen: 32.38 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

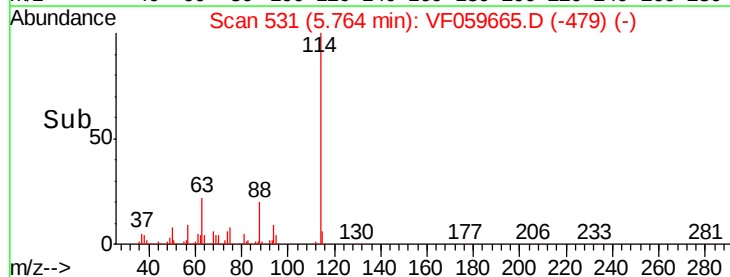
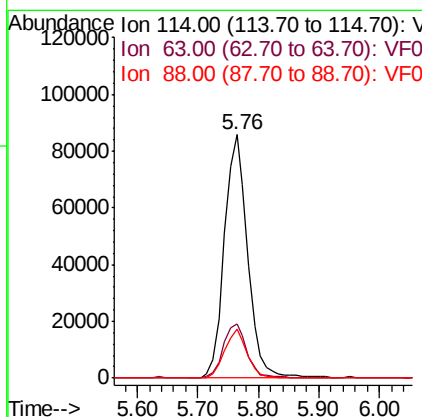
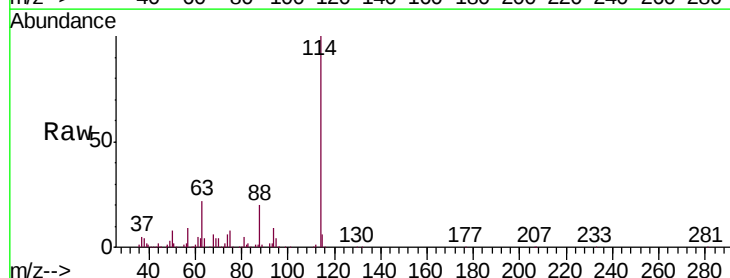
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

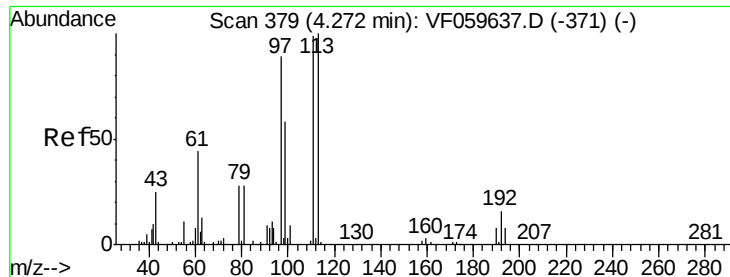
Tot Ion: 65 Resp: 84855
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 86.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion: 114 Resp: 230186
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.6
 88 20.0 0.0 40.8

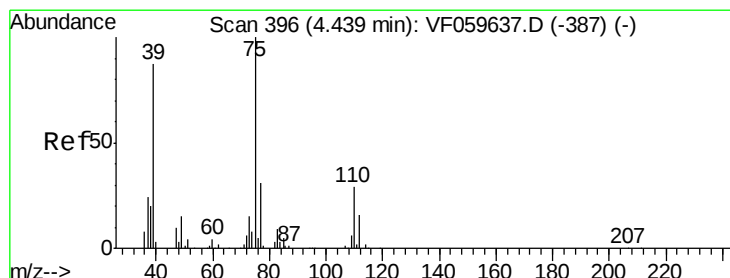
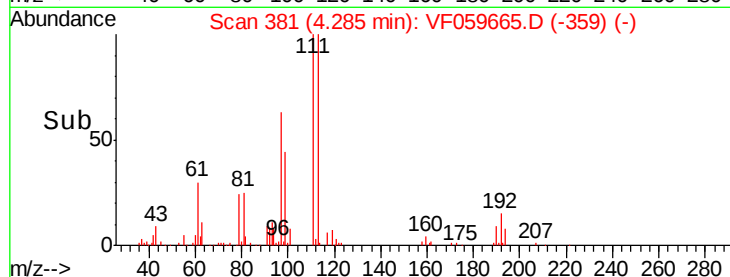
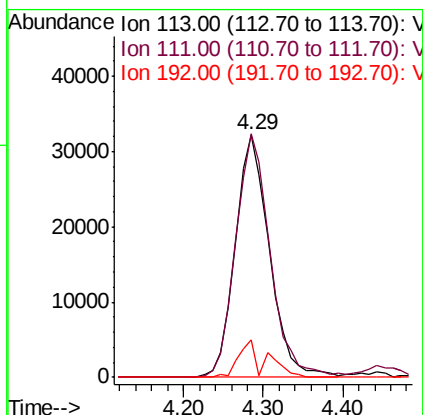
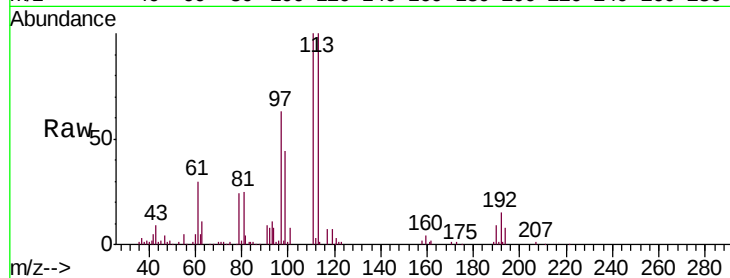




#35
 Dibromofluoromethane
 Concen: 46.23 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

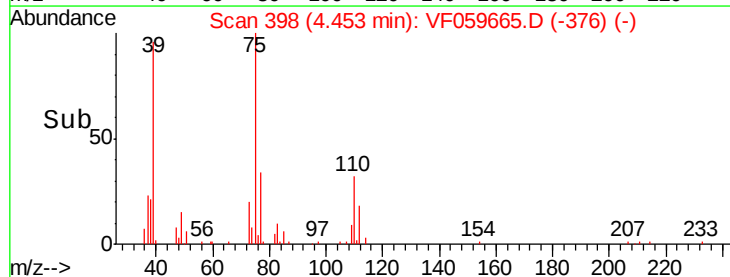
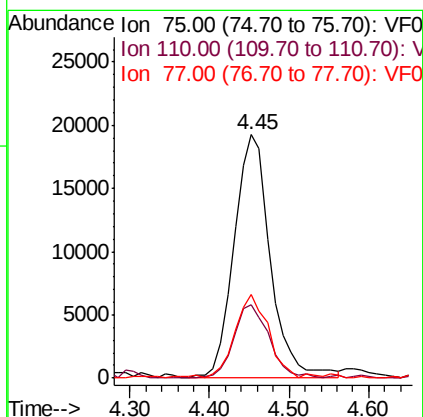
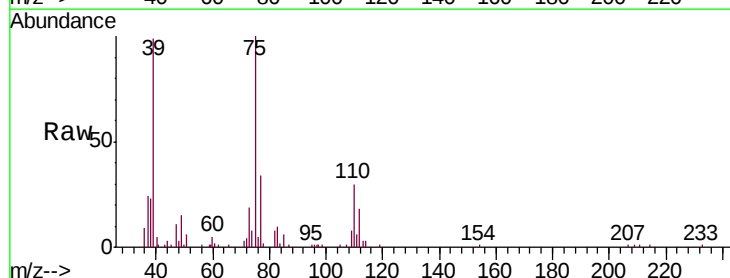
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

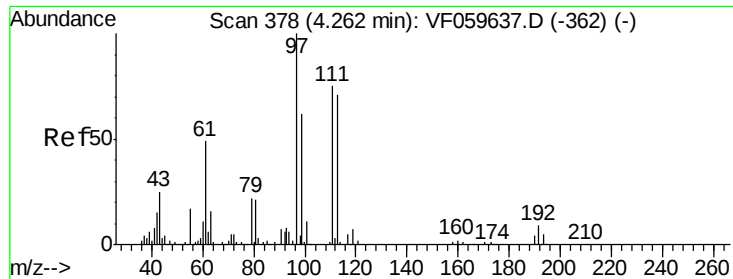
Tot Ion:113 Resp: 95779
 Ion Ratio Lower Upper
 113 100
 111 100.4 79.3 118.9
 192 15.7 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 25.93 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion: 75 Resp: 61143
 Ion Ratio Lower Upper
 75 100
 110 30.3 14.6 43.8
 77 34.3 24.4 36.6

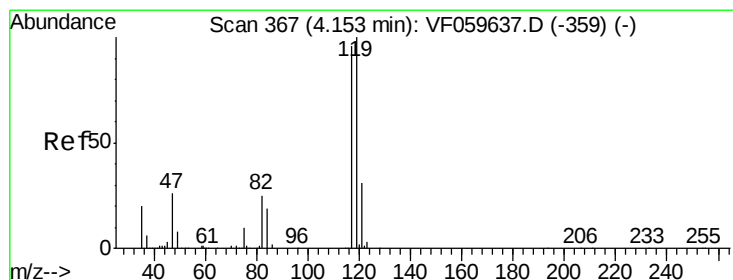
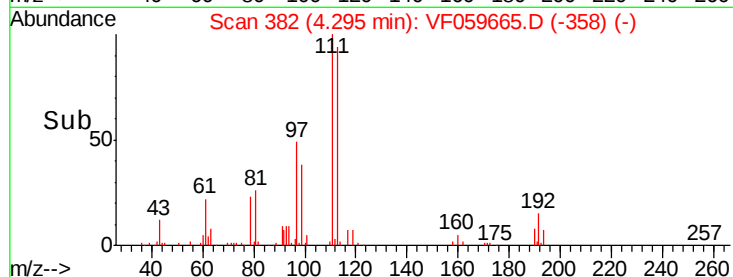
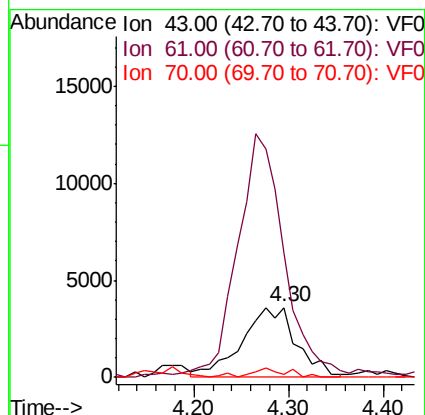
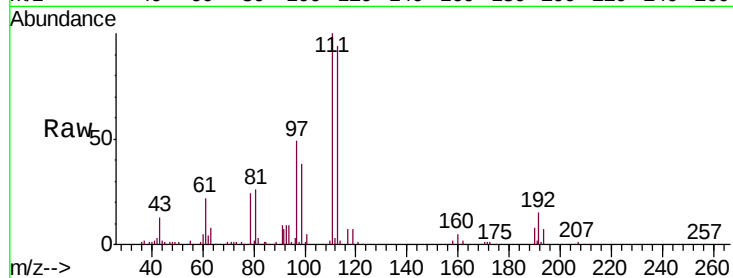




#37
Ethyl Acetate
Concen: 14.67 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

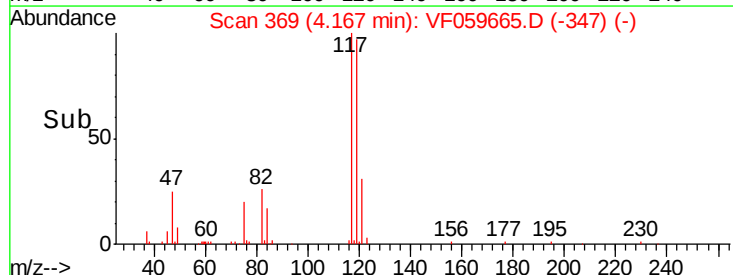
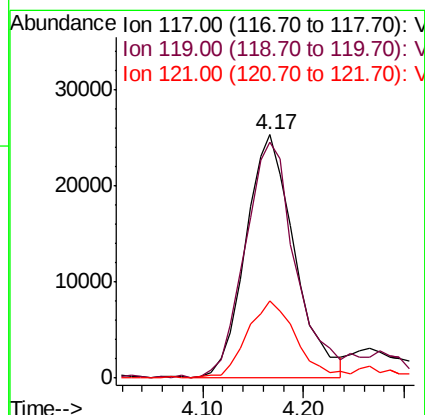
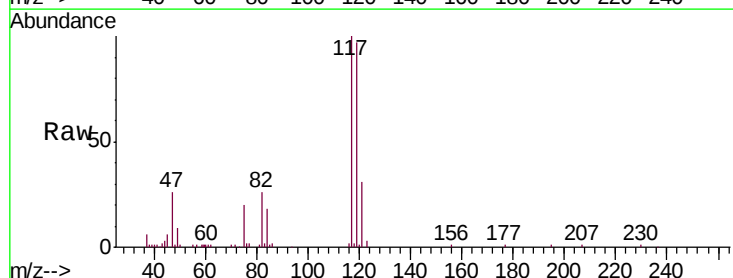
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

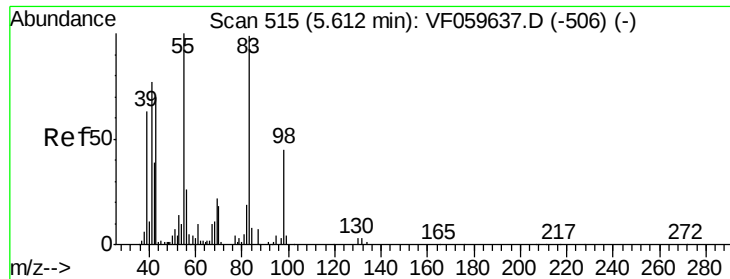
Tot Ion: 43 Resp: 14434
Ion Ratio Lower Upper
43 100
61 178.4 156.6 234.8
70 4.9 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 26.32 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion: 117 Resp: 85654
Ion Ratio Lower Upper
117 100
119 96.7 83.0 124.6
121 31.5 26.2 39.4





#39

Methylcyclohexane

Concen: 29.58 ug/l

RT: 5.63 min Scan# 517

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

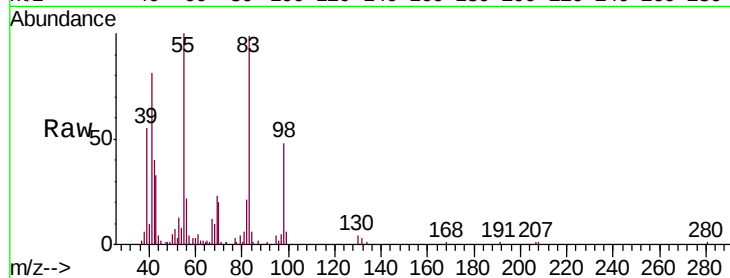
Tot Ion: 83 Resp: 56575

Ion Ratio Lower Upper

83 100

55 101.2 81.5 122.3

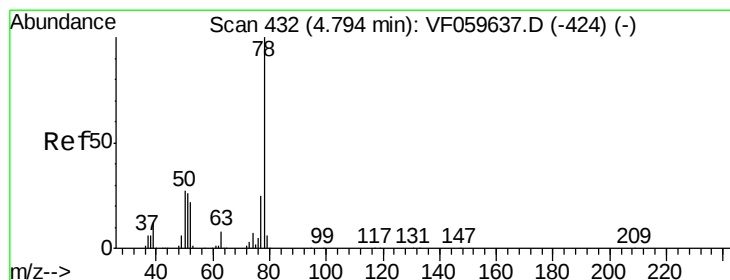
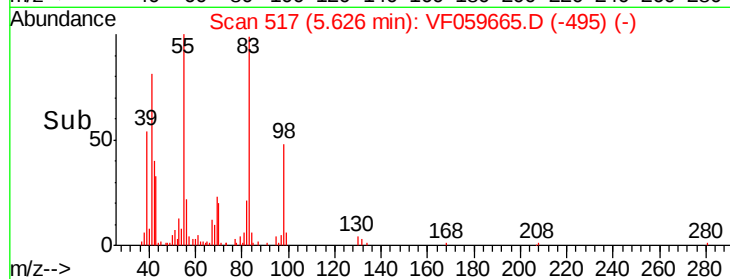
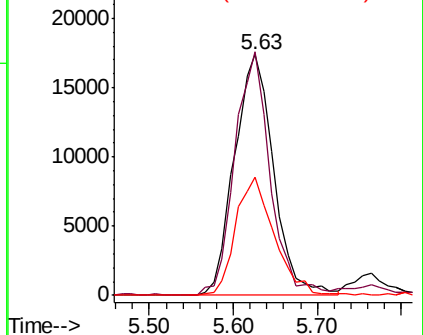
98 48.9 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 22.76 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF059665.D

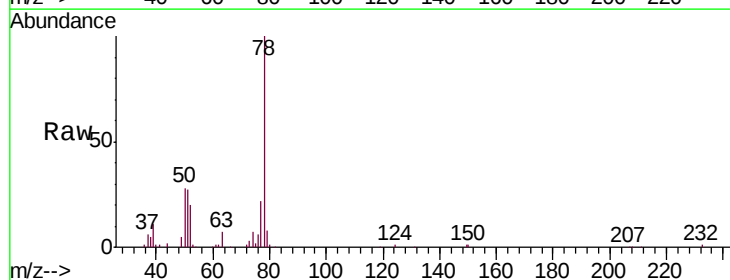
Acq: 25 Jul 2018 18:40

Tgt Ion: 78 Resp: 99296

Ion Ratio Lower Upper

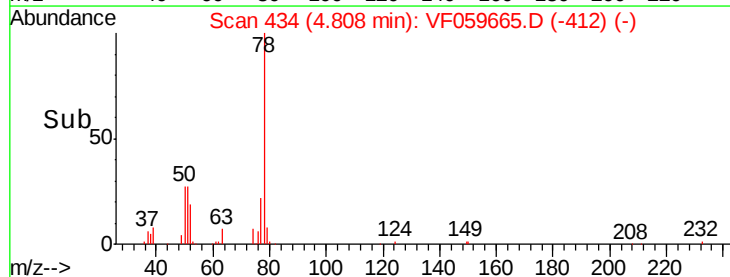
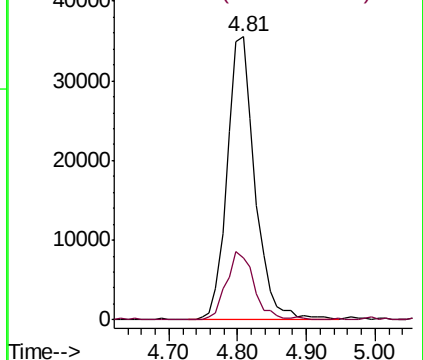
78 100

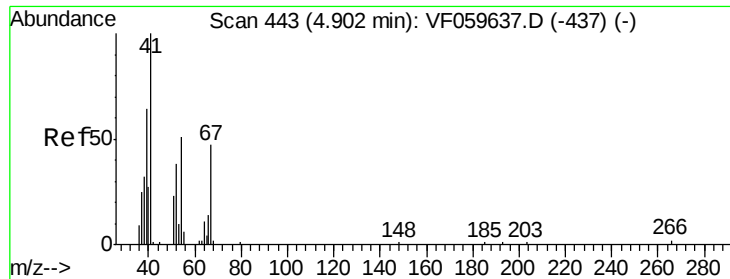
77 22.1 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

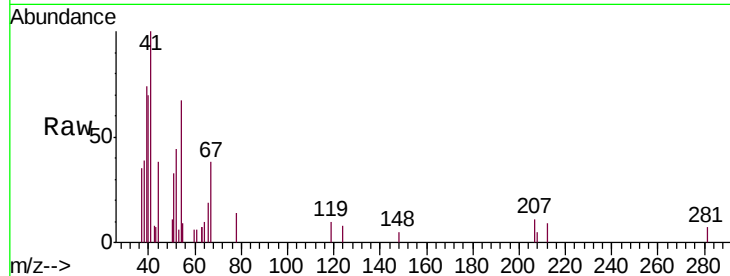




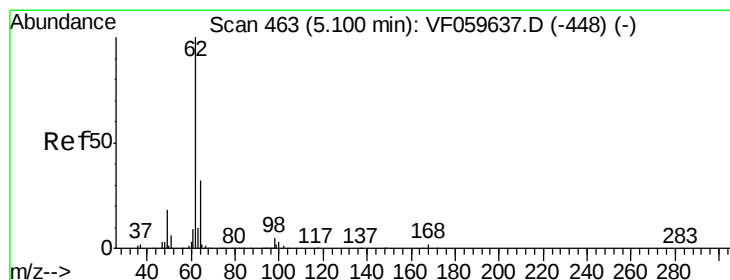
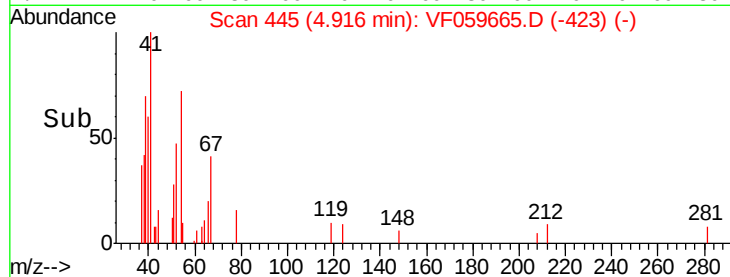
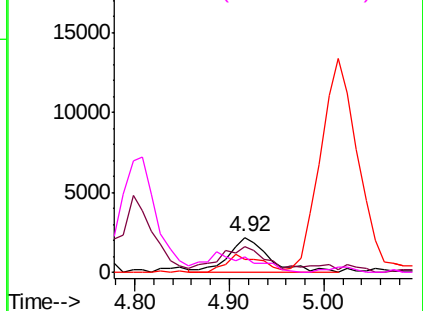
#41
Methacrylonitrile
Concen: 14.75 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion:	41	Resp:	6507
Ion	Ratio	Lower	Upper
41	100		
39	73.6	56.9	85.3
67	38.0	36.6	54.8
52	44.2	42.6	63.8

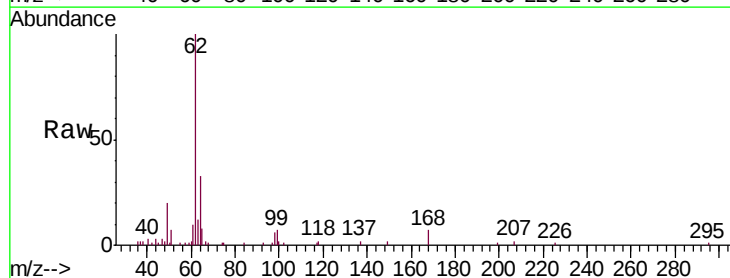


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

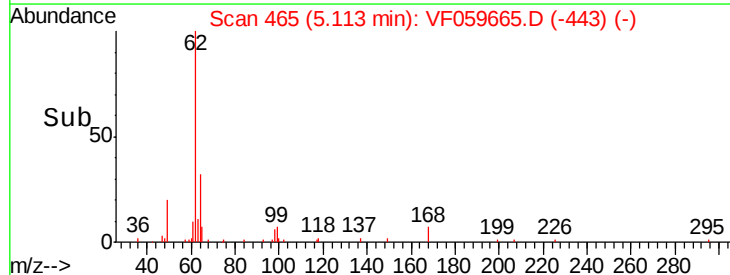
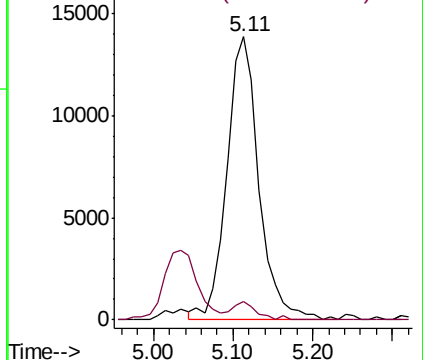


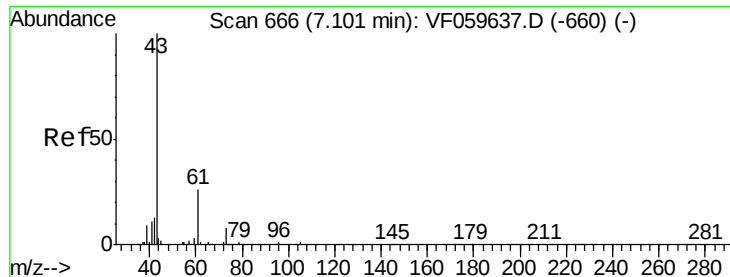
#42
1,2-Dichloroethane
Concen: 15.09 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion:	62	Resp:	39007
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



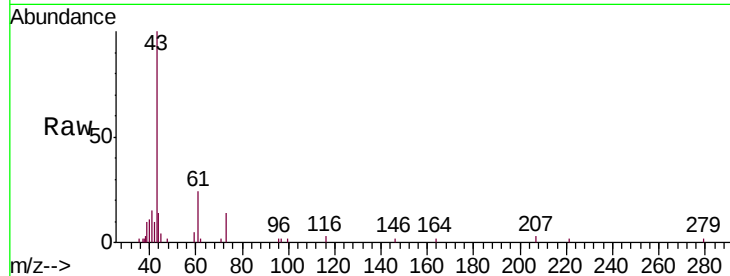


#43

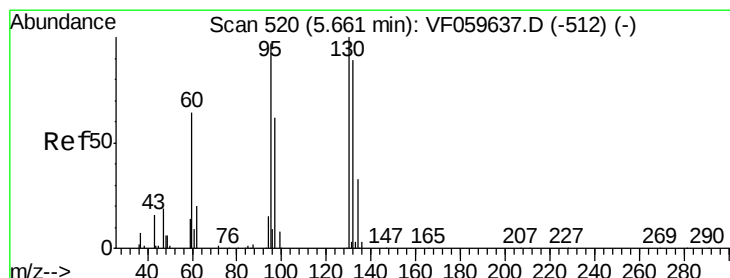
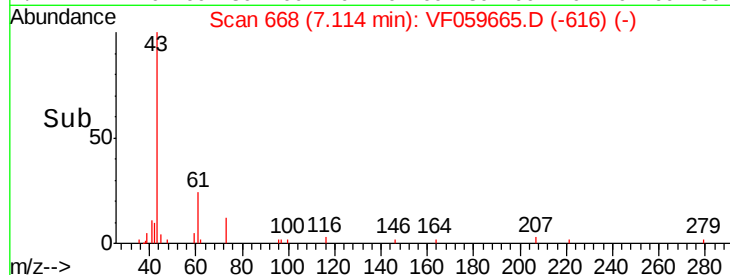
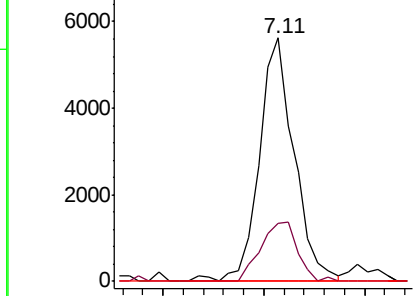
Isopropyl Acetate
 Concen: 13.03 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	20.5	30.7
87	0.0	0.4	0.6



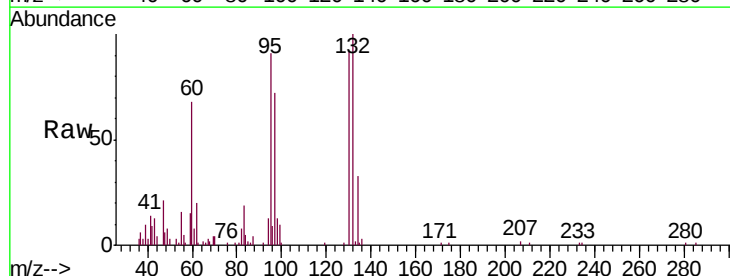
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



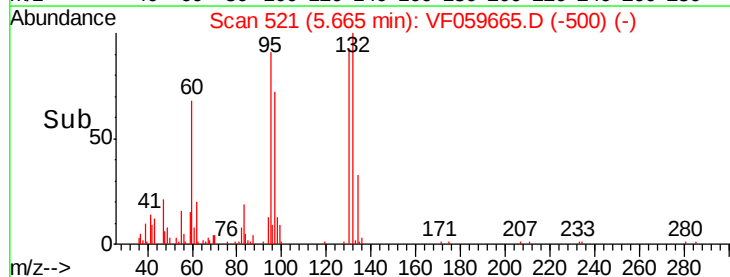
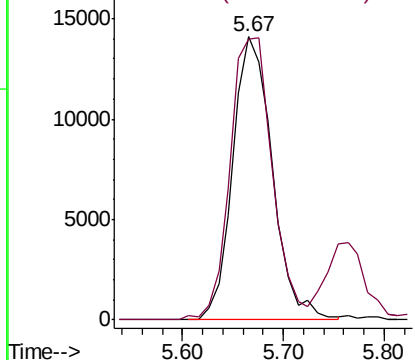
#44

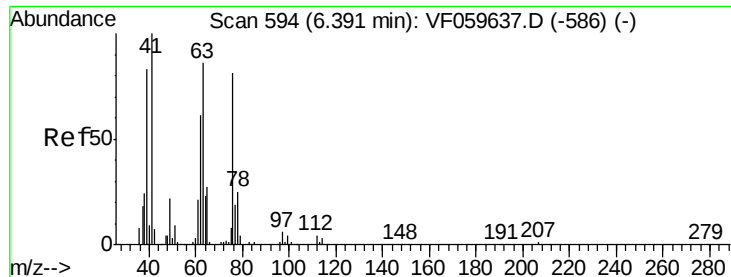
Trichloroethene
 Concen: 23.92 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	193.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0

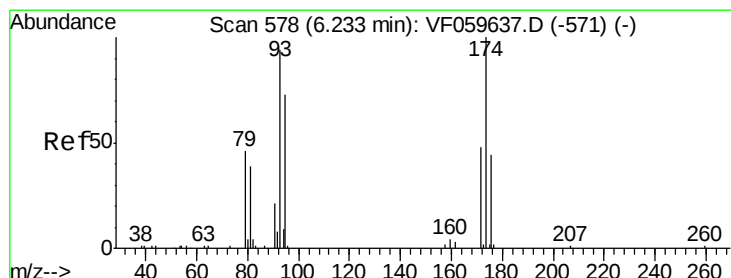
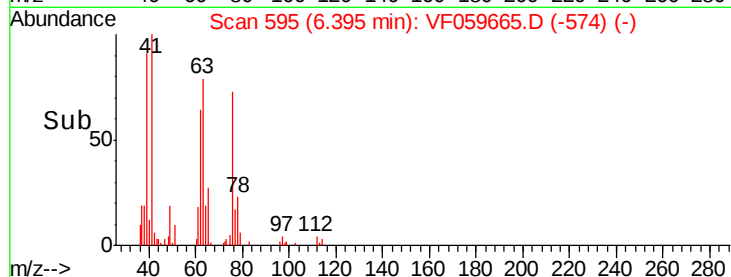
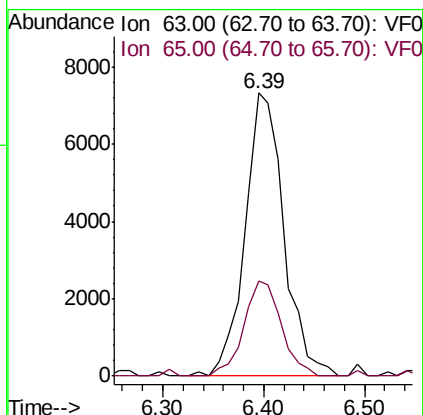
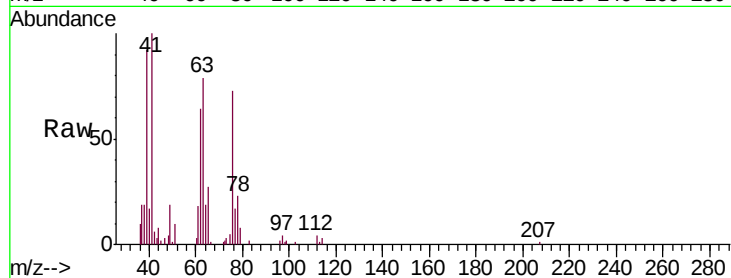




#45
 1,2-Dichloropropane
 Concen: 17.82 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

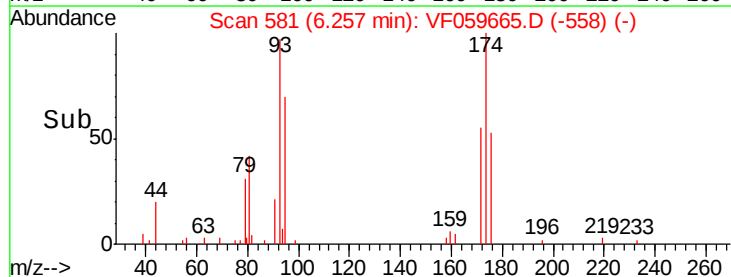
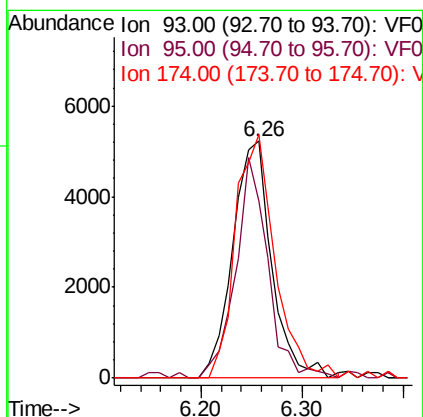
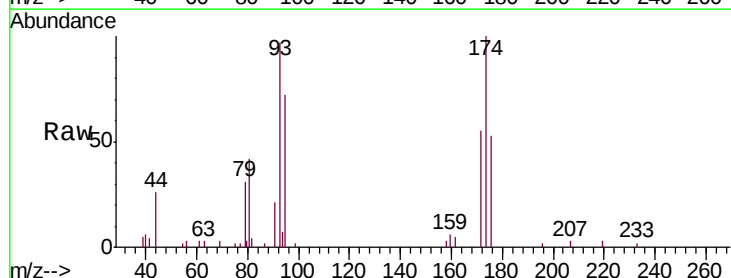
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

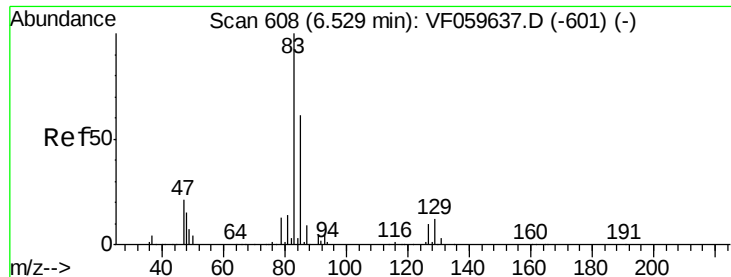
Tot Ion: 63 Resp: 19681
 Ion Ratio Lower Upper
 63 100
 65 33.5 25.1 37.7



#46
 Dibromomethane
 Concen: 15.07 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion: 93 Resp: 14061
 Ion Ratio Lower Upper
 93 100
 95 74.6 63.1 94.7
 174 102.9 85.3 127.9





#47

Bromodichloromethane

Concen: 18.52 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

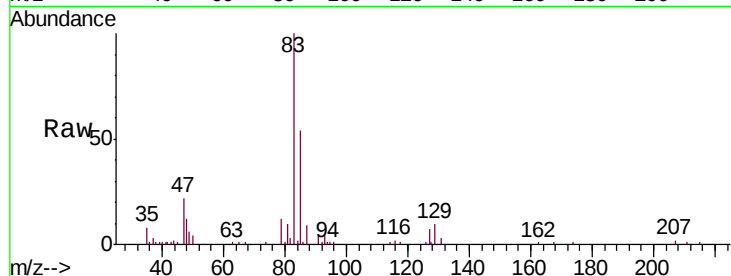
Tot Ion: 83 Resp: 50507

Ion Ratio Lower Upper

83 100

85 53.9 48.6 72.8

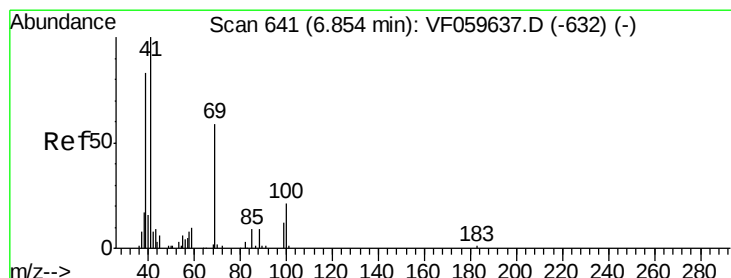
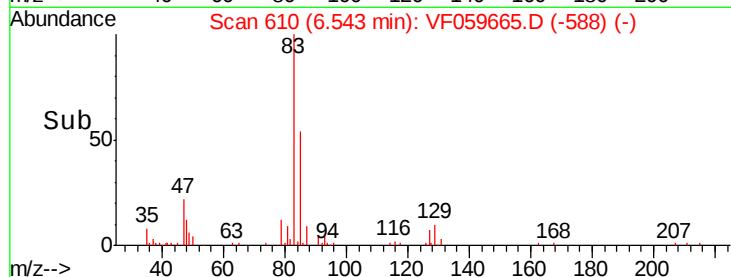
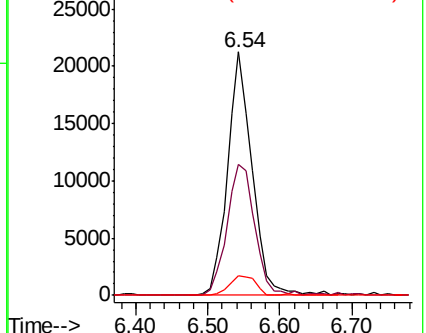
127 8.1 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 12.13 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

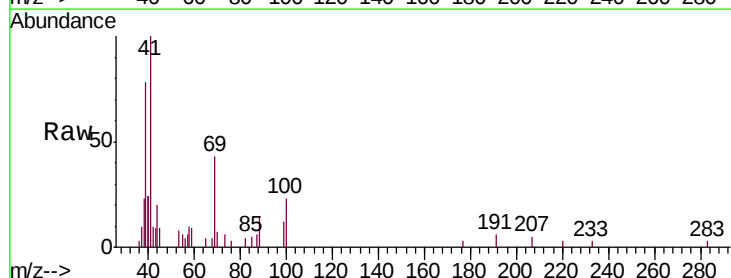
Tgt Ion: 41 Resp: 9259

Ion Ratio Lower Upper

41 100

69 42.9 47.5 71.3#

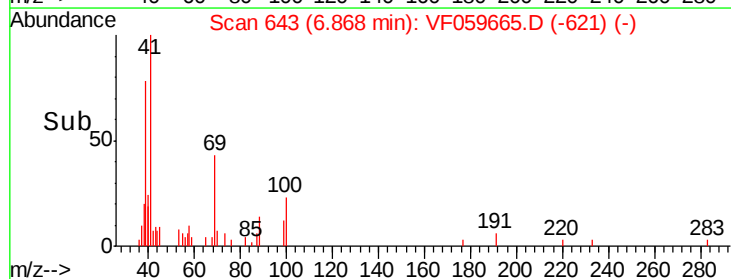
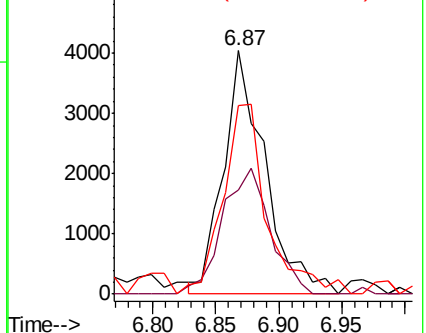
39 77.6 67.0 100.6

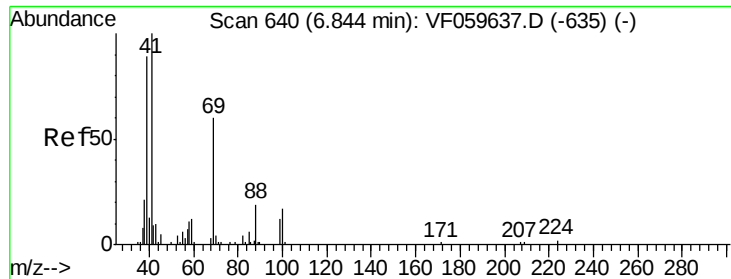


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 328.99 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.04 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

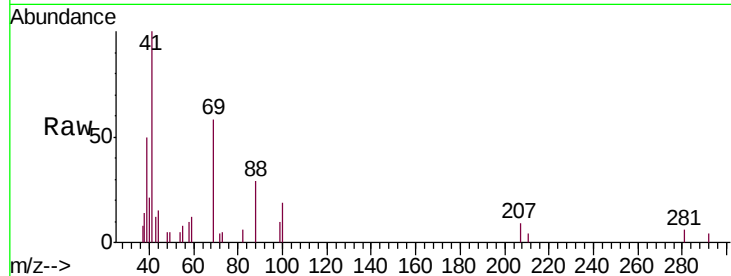
Tot Ion: 88 Resp: 1933

Ion Ratio Lower Upper

88 100

43 40.0 45.3 67.9#

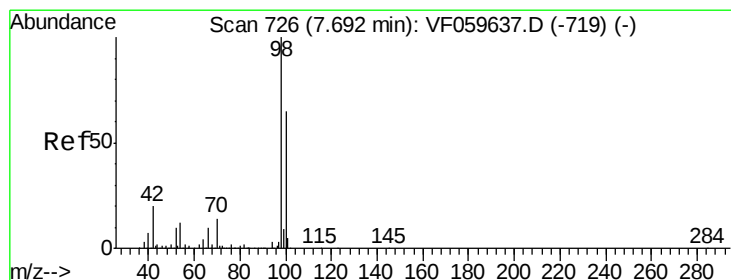
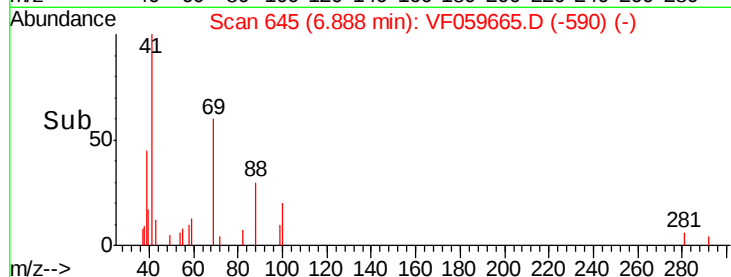
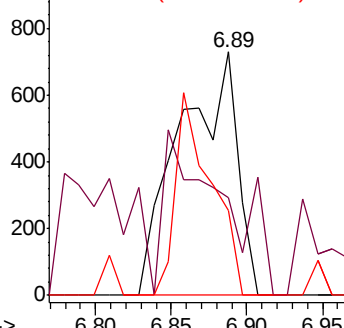
58 34.7 47.7 71.5#



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: 48.38 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059665.D

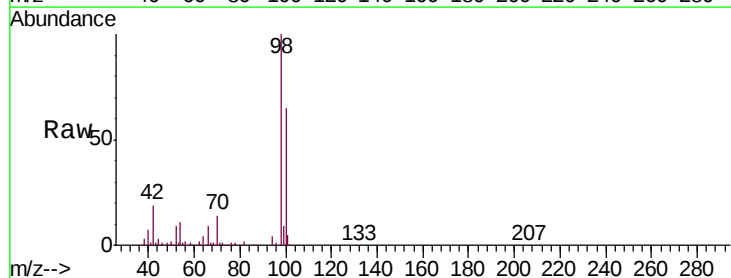
Acq: 25 Jul 2018 18:40

Tgt Ion: 98 Resp: 244265

Ion Ratio Lower Upper

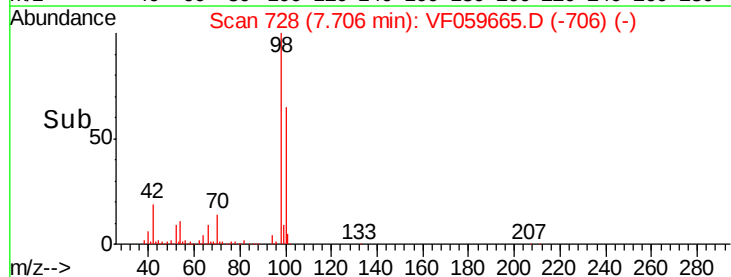
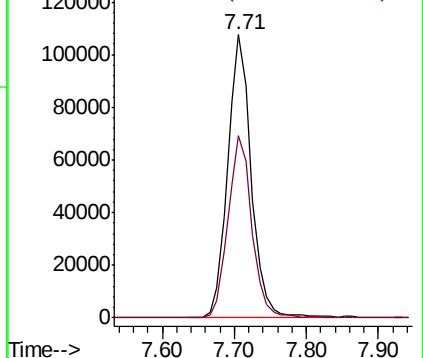
98 100

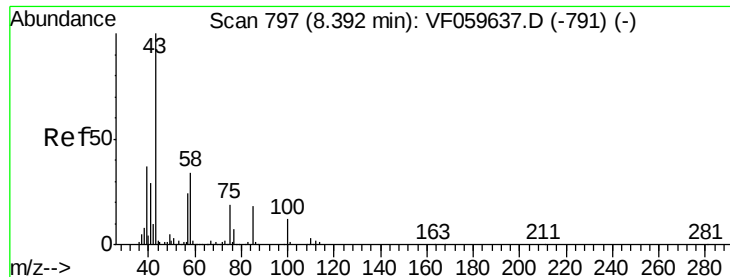
100 64.6 52.2 78.4



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: 72.33 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

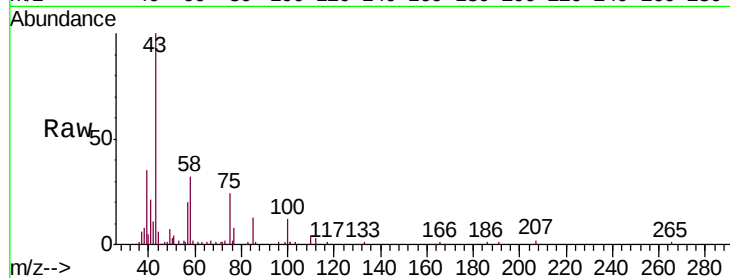
VF0725SBS01

Tot Ion: 43 Resp: 55138

Ion Ratio Lower Upper

43 100

58 32.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

25000

20000

15000

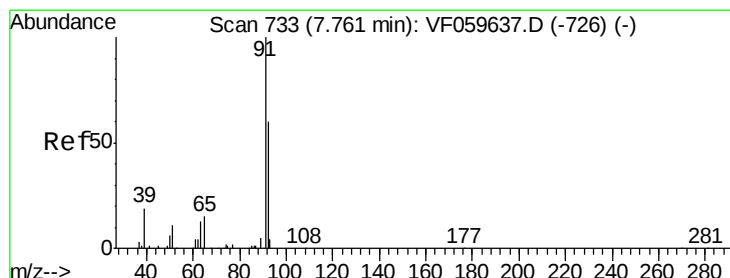
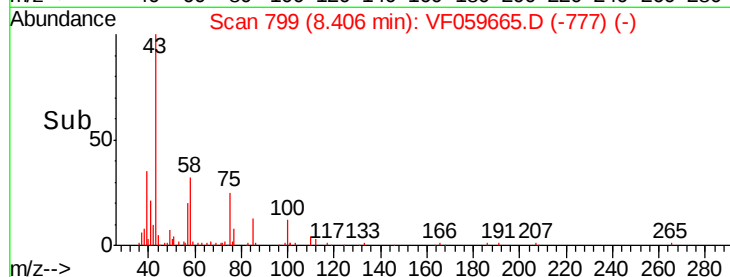
10000

5000

0

8.30 8.35 8.40 8.45 8.50

Time-->



#52

Toluene

Concen: 23.67 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF059665.D

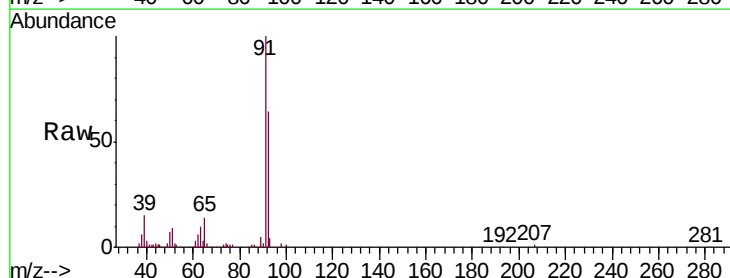
Acq: 25 Jul 2018 18:40

Tgt Ion: 92 Resp: 72095

Ion Ratio Lower Upper

92 100

91 155.8 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

60000

50000

40000

30000

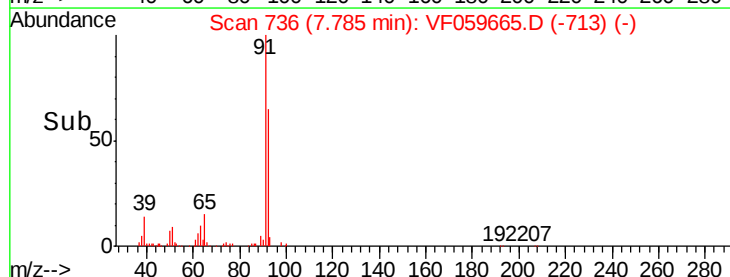
20000

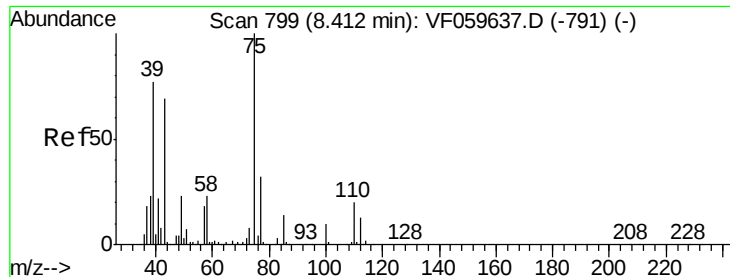
10000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.36 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

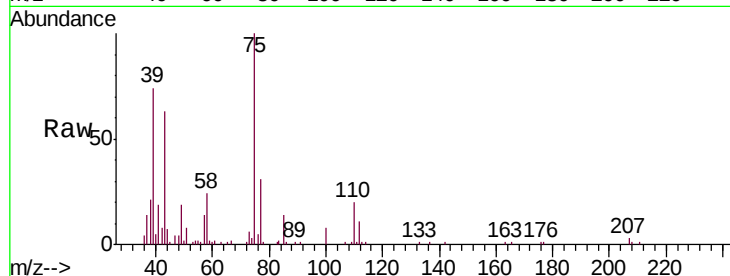
VF0725SBS01

Tot Ion: 75 Resp: 33385

Ion Ratio Lower Upper

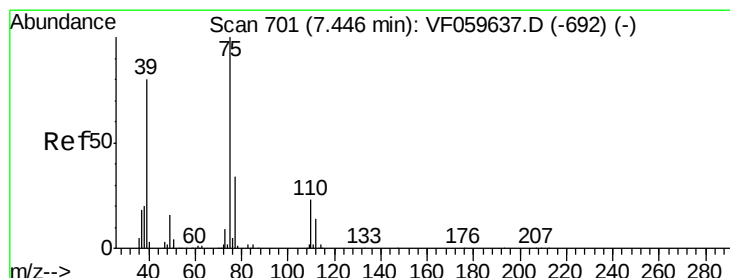
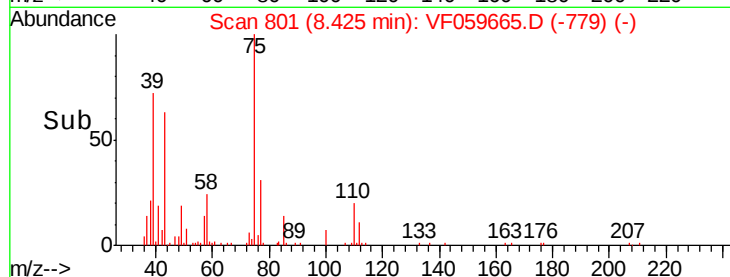
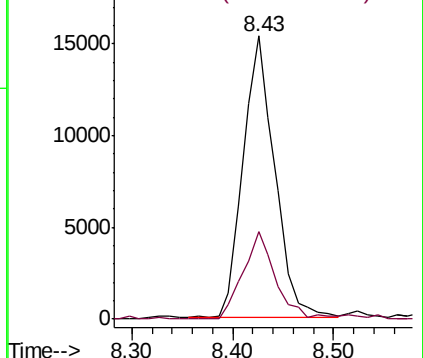
75 100

77 30.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 17.93 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

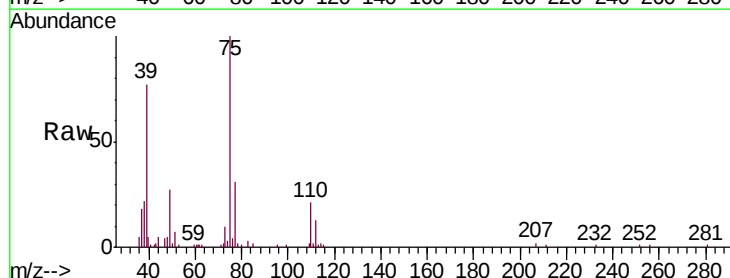
Tgt Ion: 75 Resp: 41195

Ion Ratio Lower Upper

75 100

77 31.4 27.5 41.3

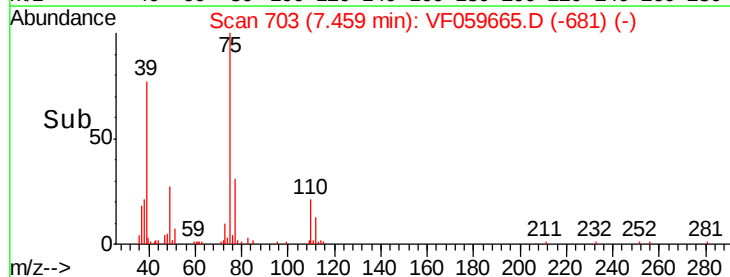
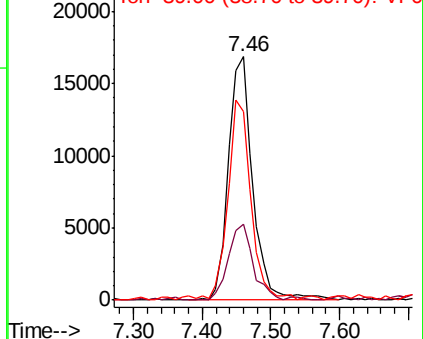
39 77.3 64.4 96.6

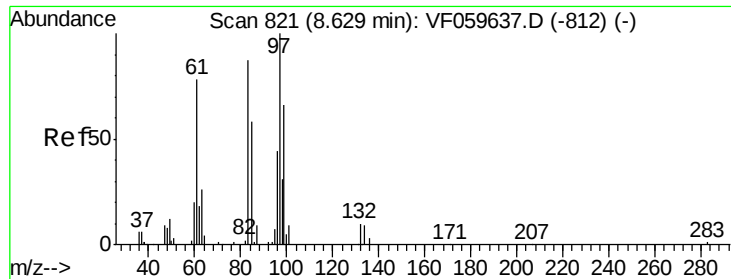


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 15.04 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 97 Resp: 14626

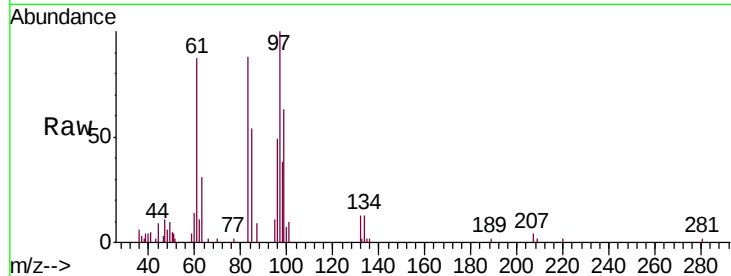
Ion Ratio Lower Upper

97 100

83 87.7 69.5 104.3

85 54.4 46.0 69.0

99 62.9 53.2 79.8

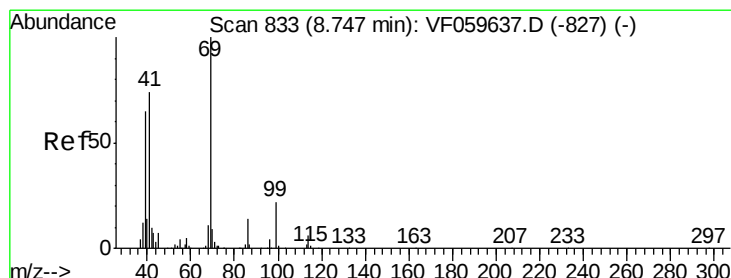
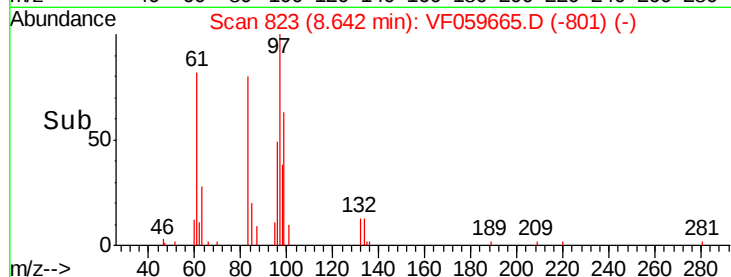
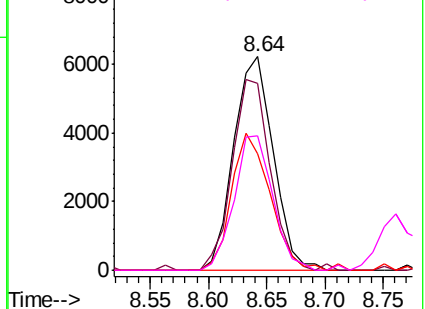


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 13.64 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

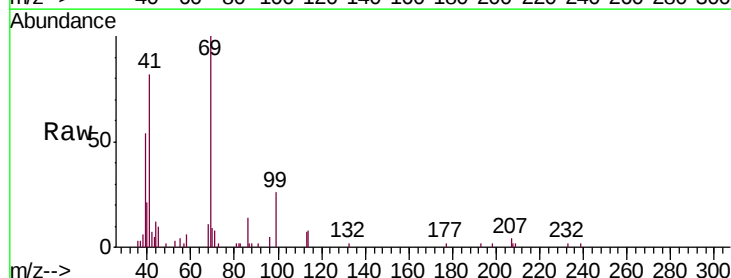
Tgt Ion: 69 Resp: 14187

Ion Ratio Lower Upper

69 100

41 81.9 59.1 88.7

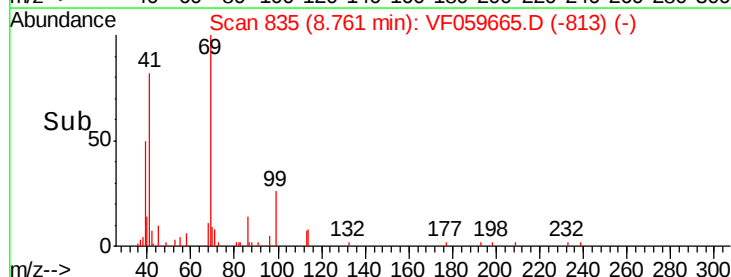
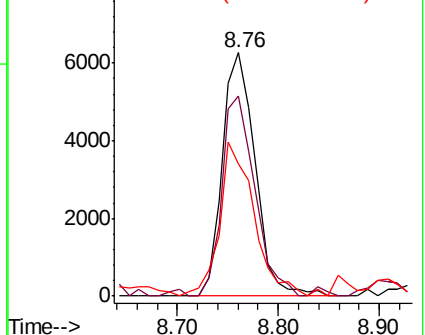
39 54.2 52.4 78.6

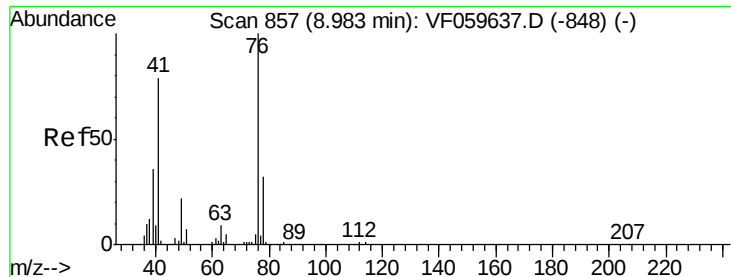


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 15.91 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

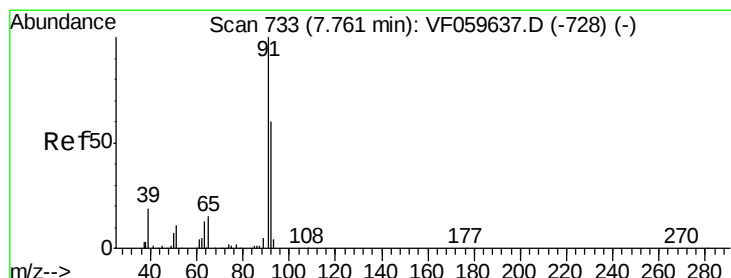
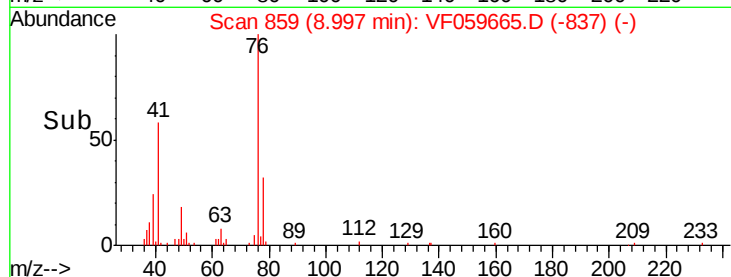
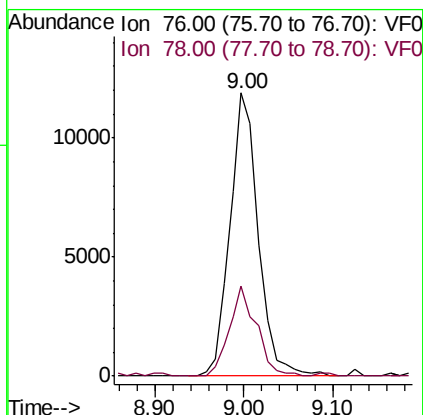
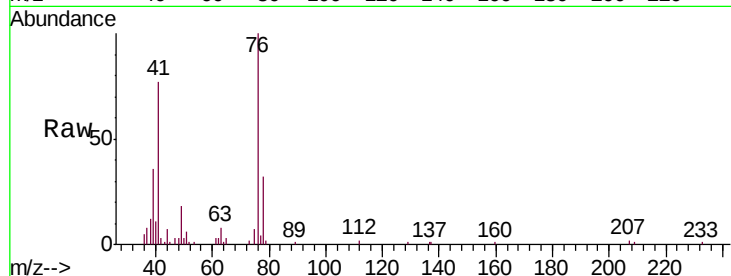
VF0725SBS01

Tot Ion: 76 Resp: 26496

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 98.14 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059665.D

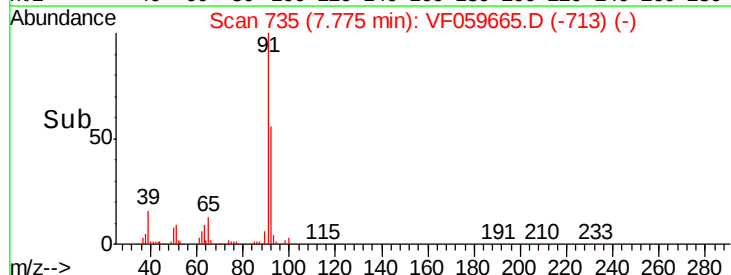
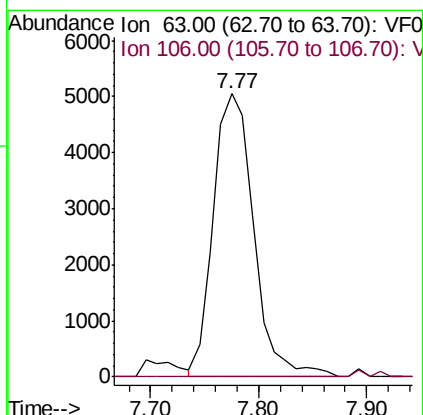
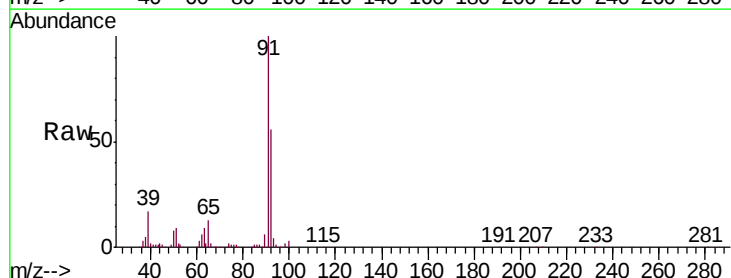
Acq: 25 Jul 2018 18:40

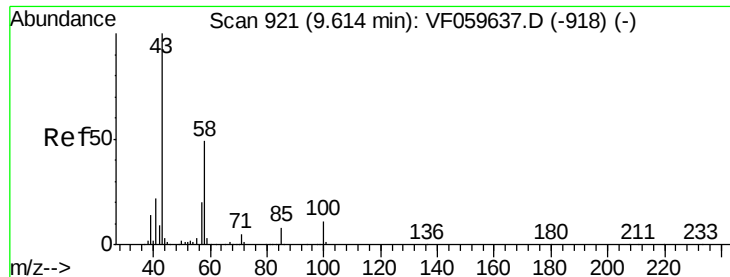
Tgt Ion: 63 Resp: 13098

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

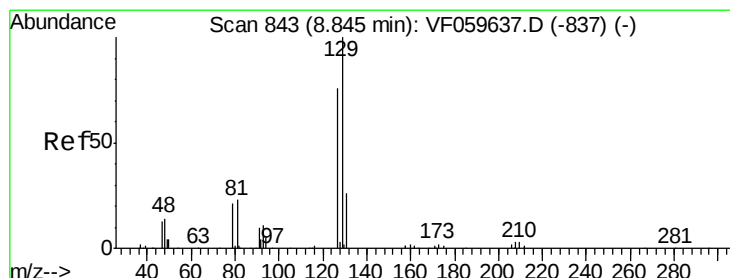
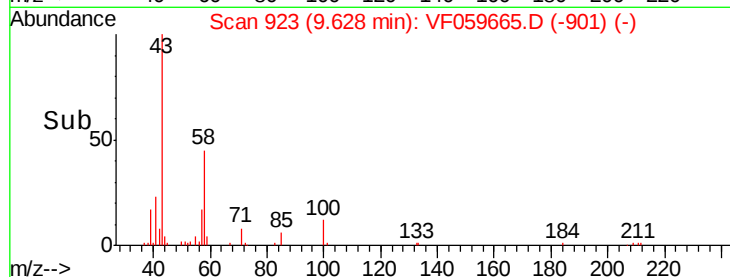
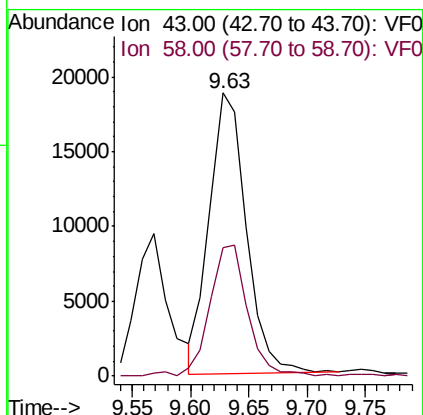
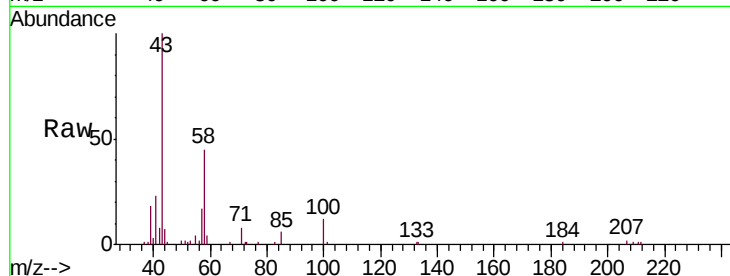




#59
2-Hexanone
Concen: 71.40 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

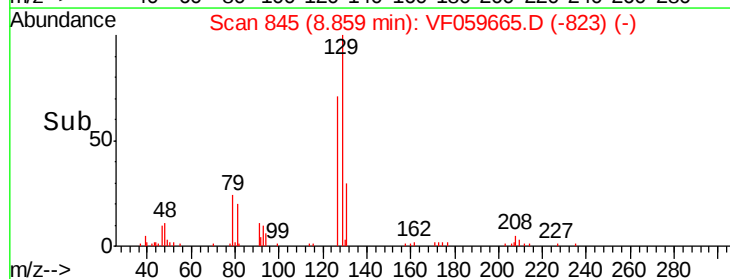
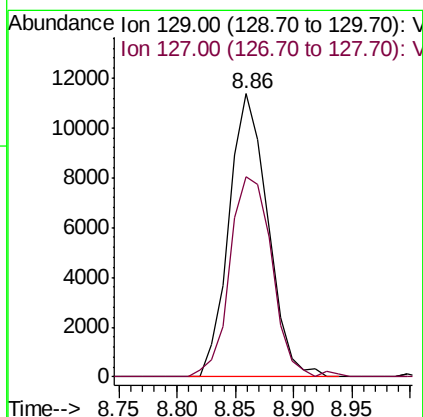
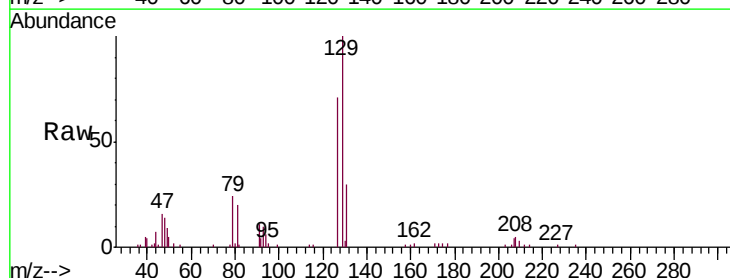
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

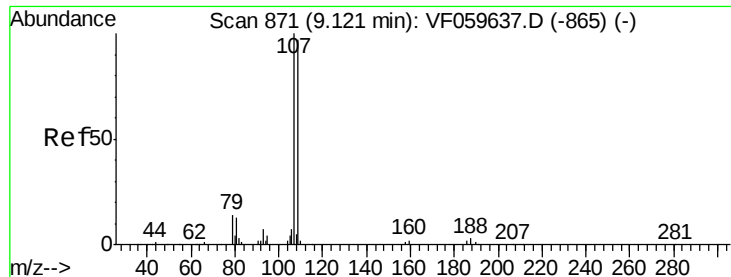
Tot Ion: 43 Resp: 41567
Ion Ratio Lower Upper
43 100
58 45.4 23.6 71.0



#60
Dibromochloromethane
Concen: 14.65 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion: 129 Resp: 26341
Ion Ratio Lower Upper
129 100
127 70.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 14.57 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

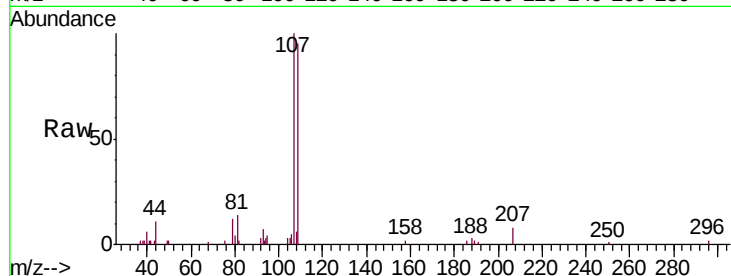
VF0725SBS01

Tot Ion:107 Resp: 17307

Ion Ratio Lower Upper

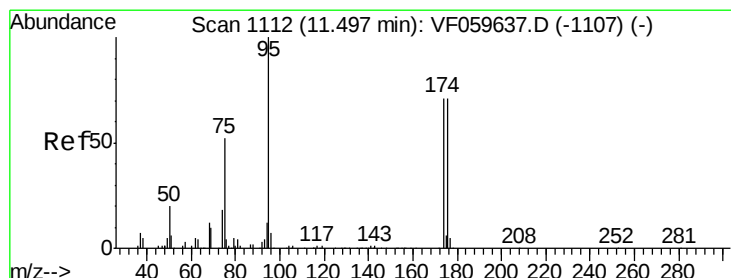
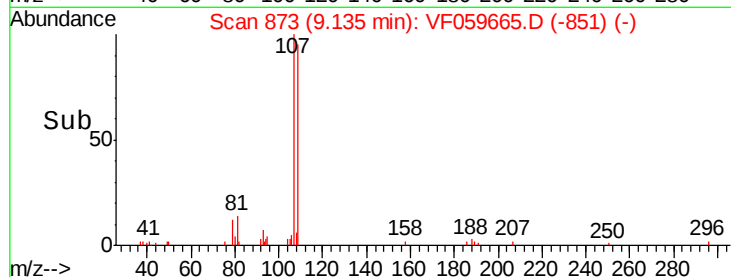
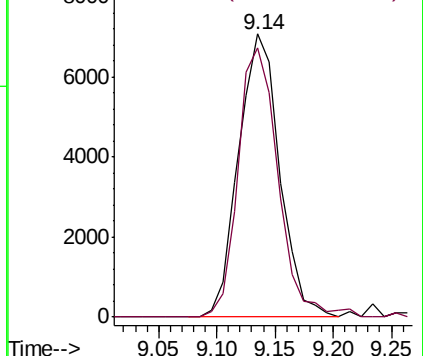
107 100

109 95.1 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: 45.26 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

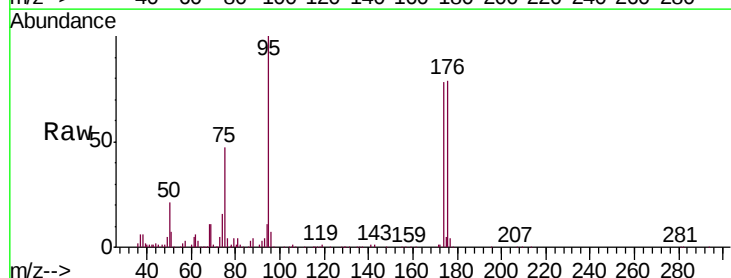
Tgt Ion: 95 Resp: 117416

Ion Ratio Lower Upper

95 100

174 78.4 0.0 141.8

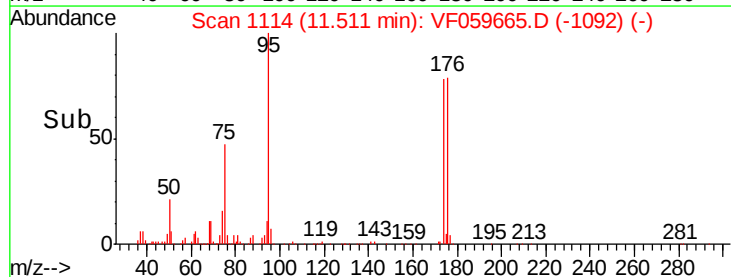
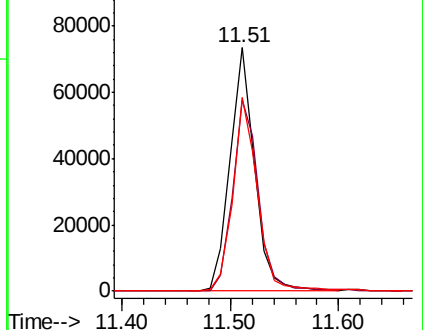
176 79.3 0.0 142.0

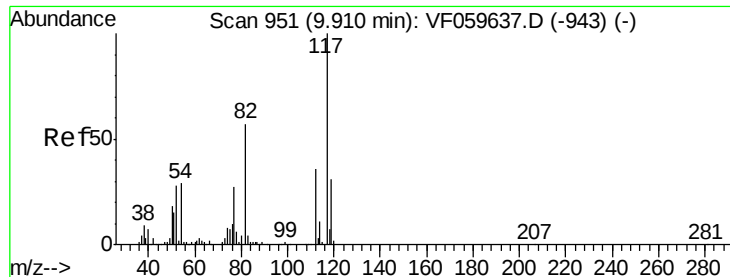


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

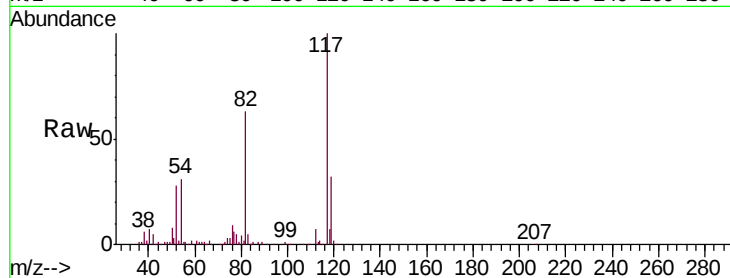




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	45.9	68.9
119	32.1	25.1	37.7

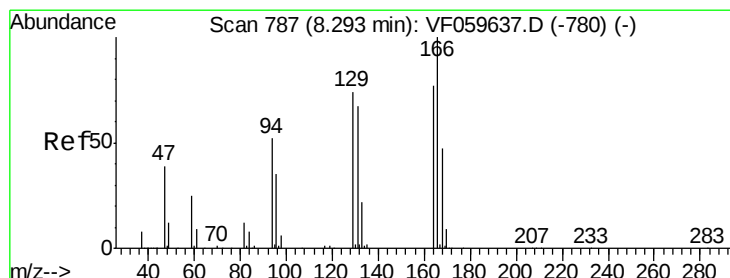
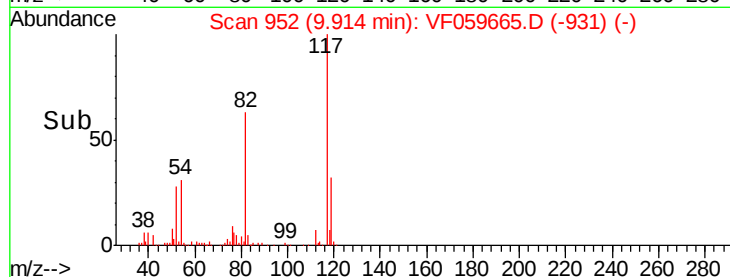
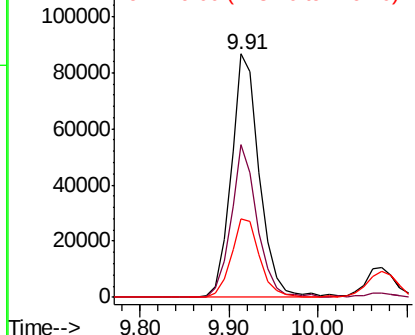


Abundance

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: 26.70 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.9	103.3	154.9
129	101.1	76.2	114.2
131	90.4	69.1	103.7

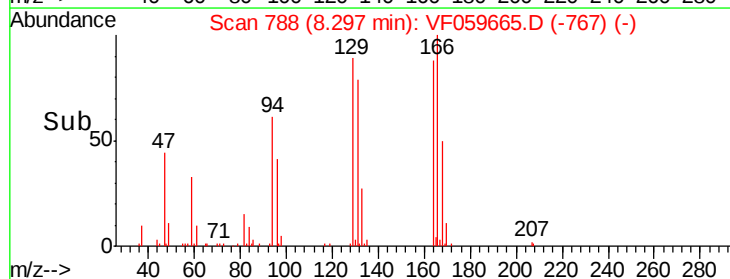
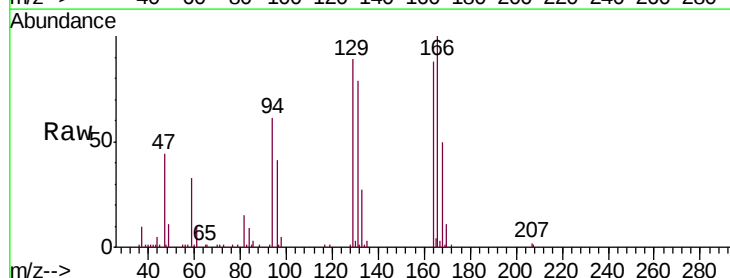
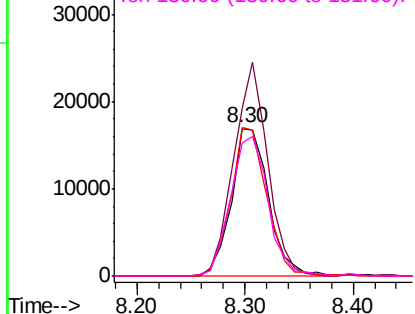
Abundance

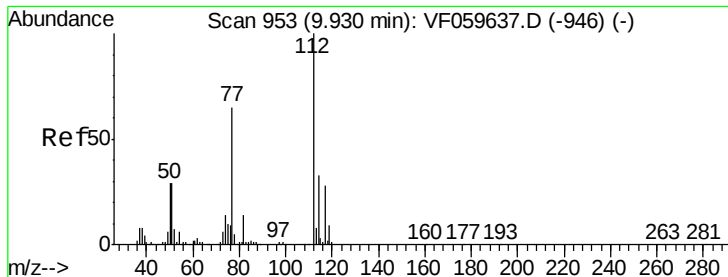
Ion 163.85 (163.55 to 164.55): V

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

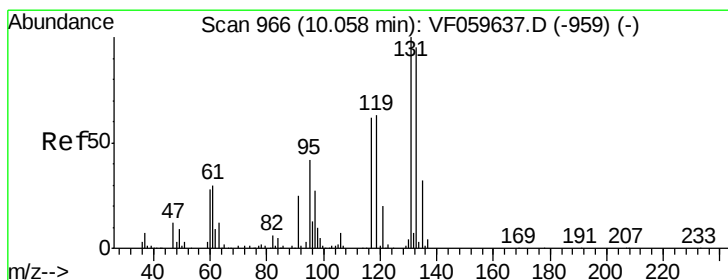
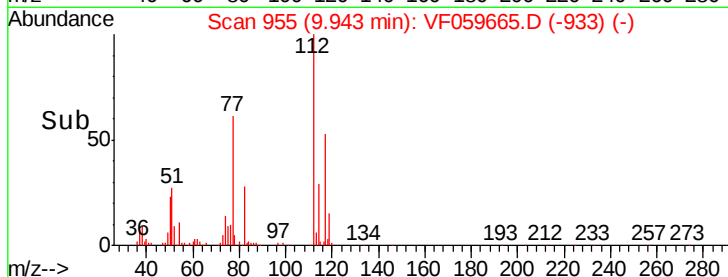
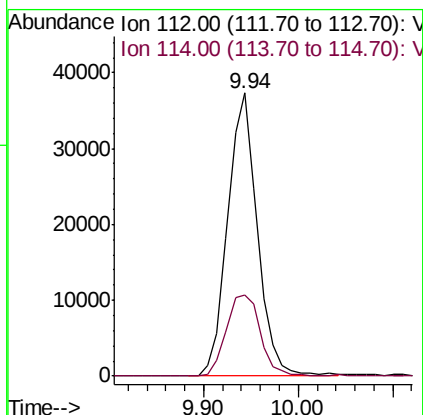
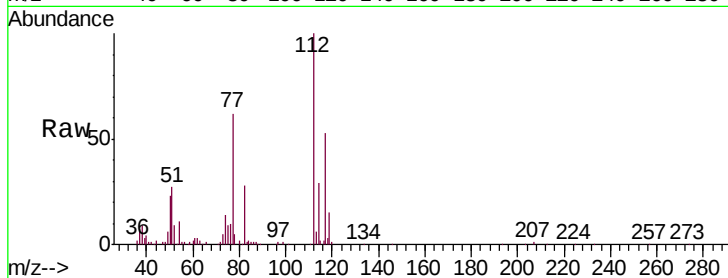




#65
Chlorobenzene
Concen: 22.92 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

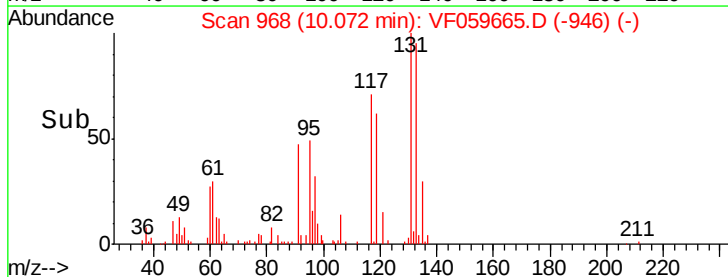
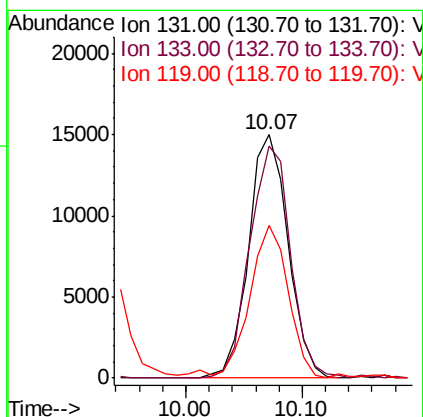
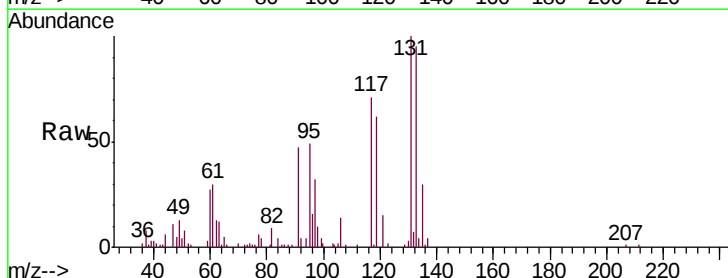
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

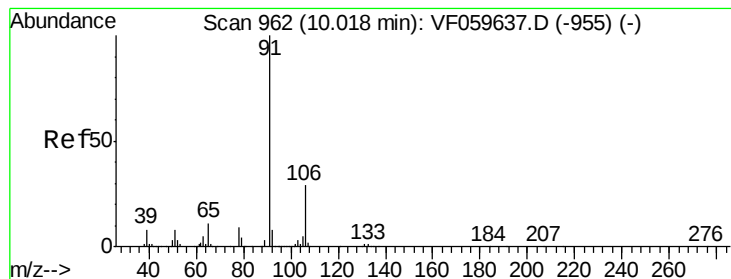
Tot Ion:112 Resp: 81307
Ion Ratio Lower Upper
112 100
114 28.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.46 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion:131 Resp: 35287
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 62.5 31.8 95.4





#67

Ethyl Benzene

Concen: 26.79 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

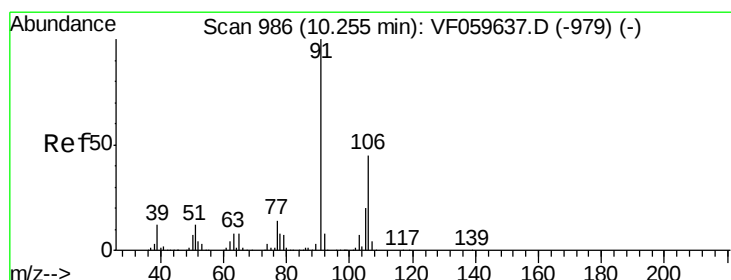
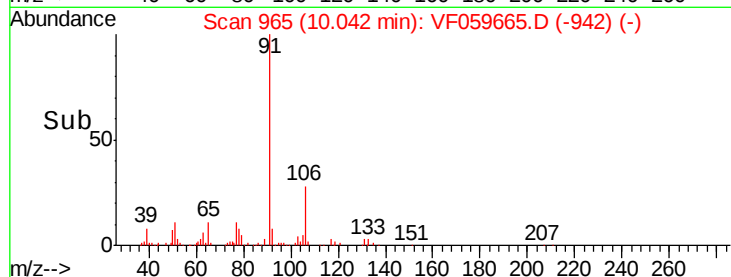
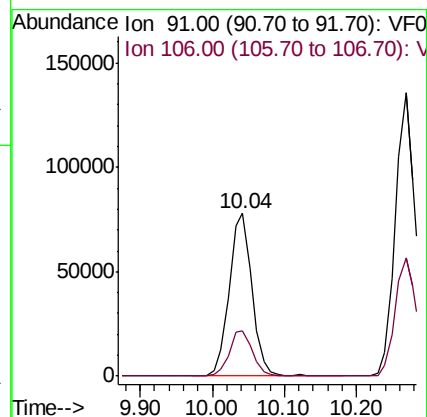
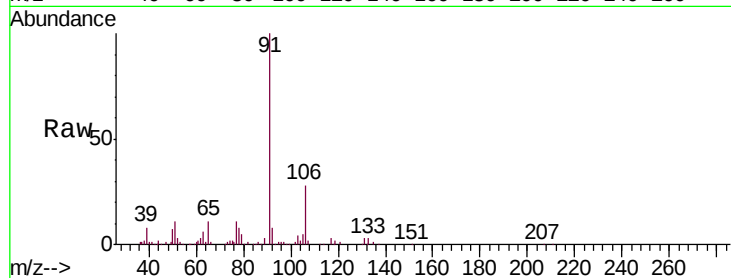
VF0725SBSD01

Tot Ion: 91 Resp: 170747

Ion Ratio Lower Upper

91 100

106 28.1 23.4 35.0



#68

m/p-Xylenes

Concen: 52.79 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059665.D

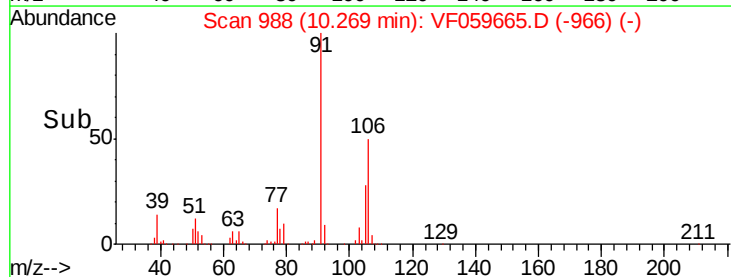
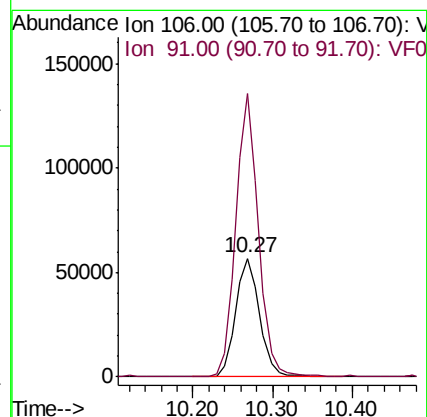
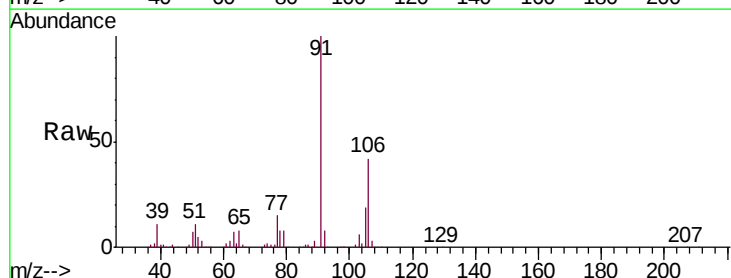
Acq: 25 Jul 2018 18:40

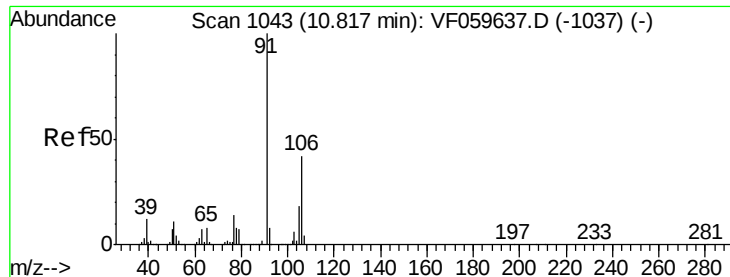
Tgt Ion: 106 Resp: 120229

Ion Ratio Lower Upper

106 100

91 238.1 177.8 266.8

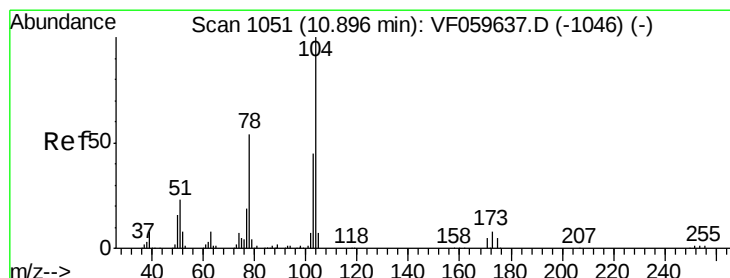
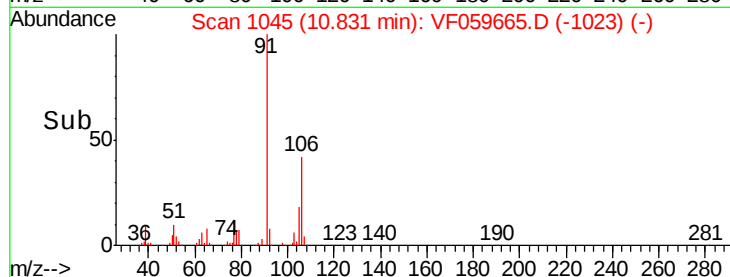
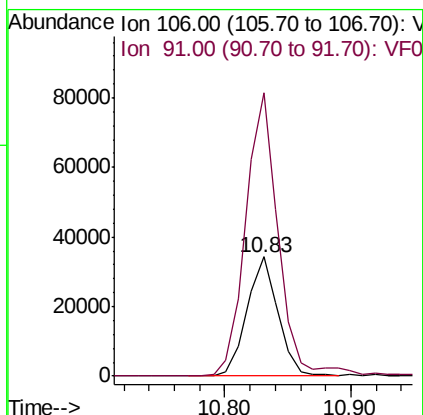
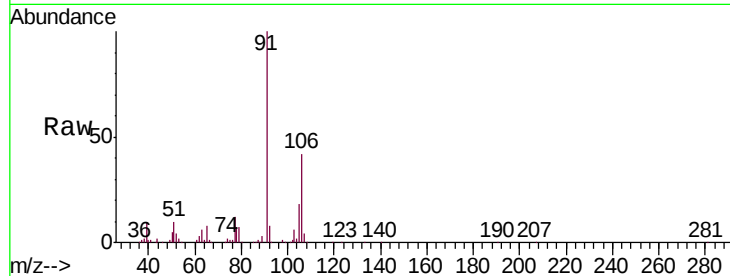




#69
o-Xylene
Concen: 24.35 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

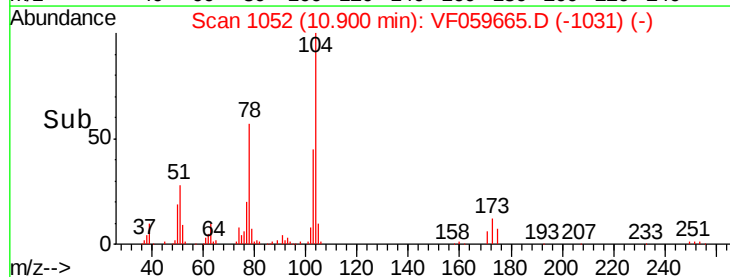
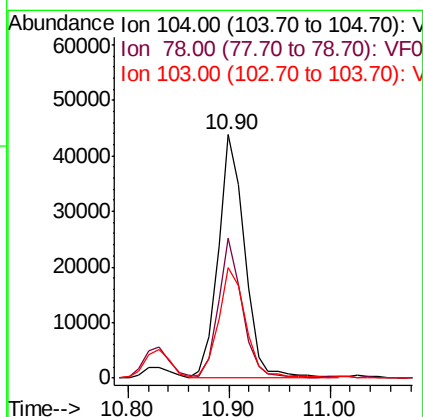
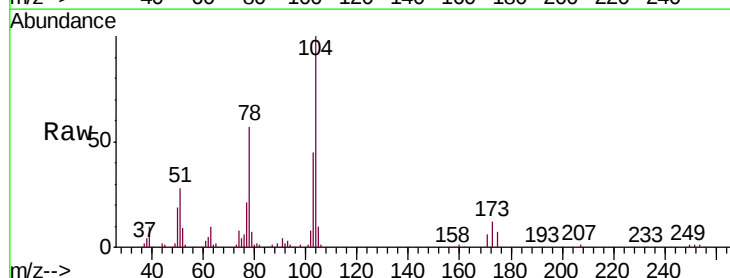
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

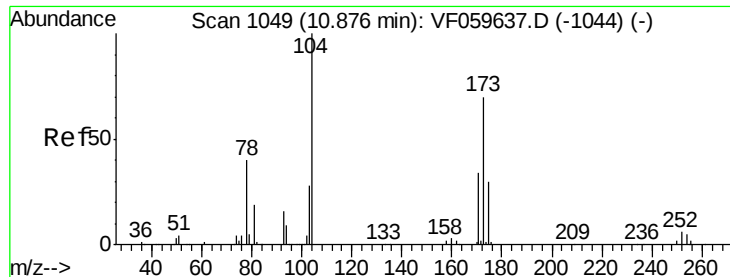
Tot Ion:106 Resp: 59023
Ion Ratio Lower Upper
106 100
91 237.8 119.3 357.9



#70
Styrene
Concen: 23.01 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059665.D
Acq: 25 Jul 2018 18:40

Tgt Ion:104 Resp: 80559
Ion Ratio Lower Upper
104 100
78 57.3 43.4 65.2
103 45.5 36.7 55.1





#71

Bromoform

Concen: 15.62 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

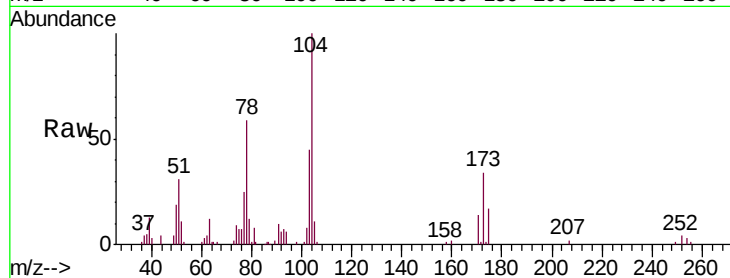
Tot Ion:173 Resp: 14455

Ion Ratio Lower Upper

173 100

175 50.6 21.6 65.0

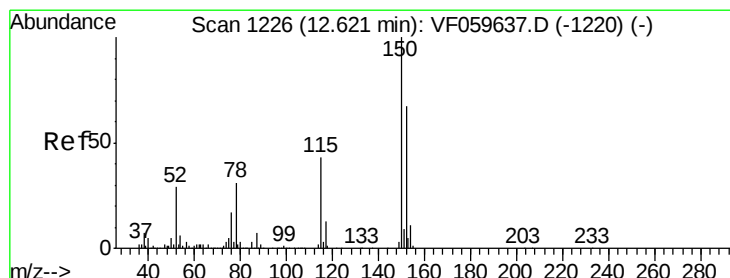
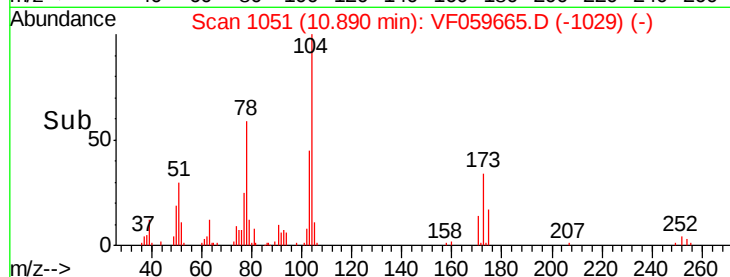
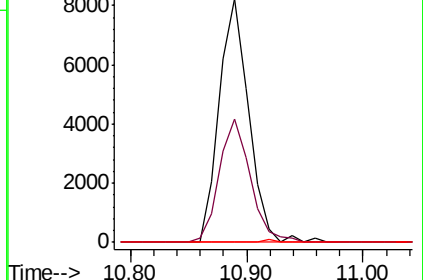
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

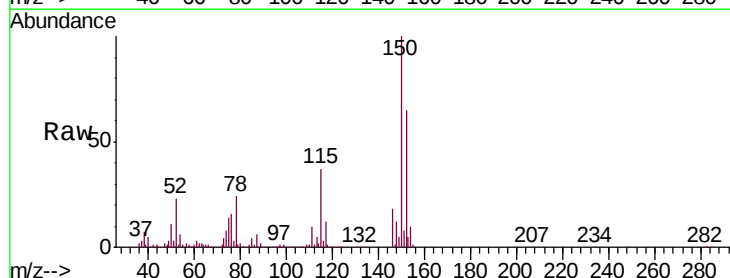
Tgt Ion:152 Resp: 114043

Ion Ratio Lower Upper

152 100

115 57.3 32.0 96.2

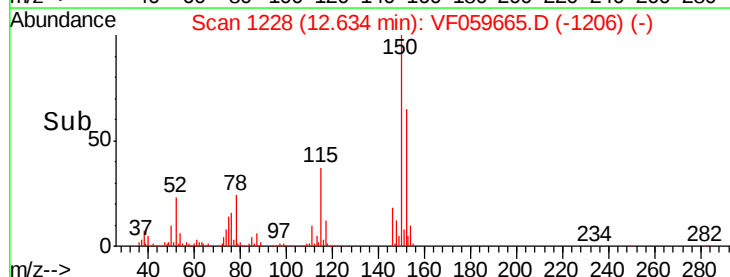
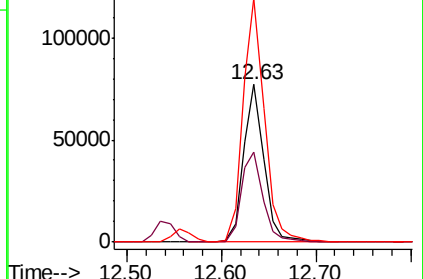
150 154.8 0.0 313.2

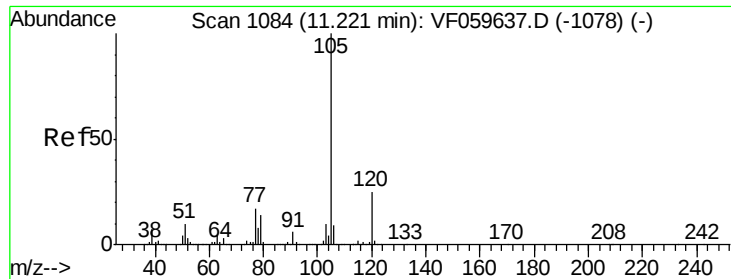


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 29.95 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

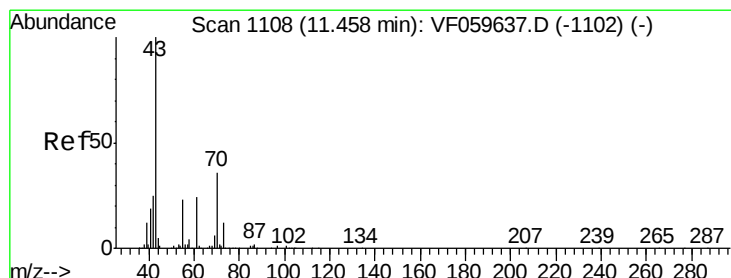
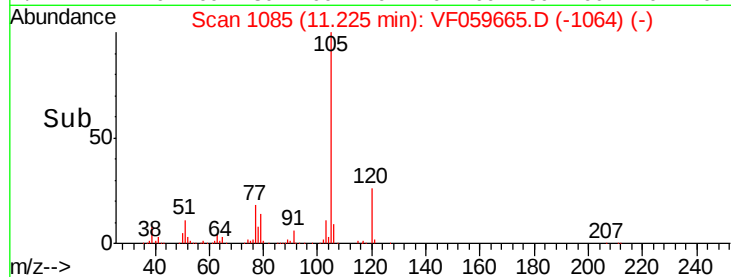
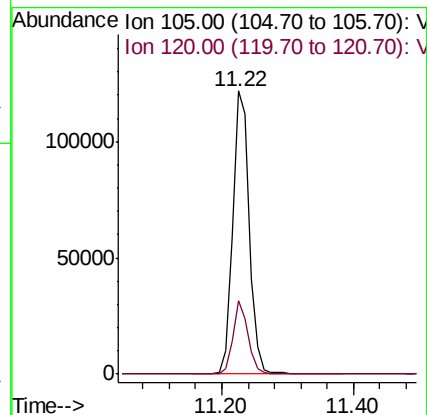
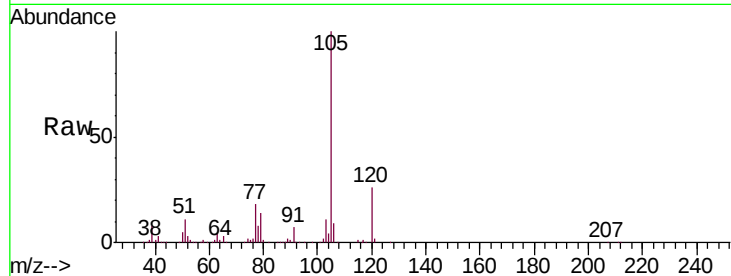
VF0725SBS01

Tot Ion:105 Resp: 214682

Ion Ratio Lower Upper

105 100

120 25.7 12.6 37.8



#74

N-ethyl acetate

Concen: 18.71 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Tgt Ion: 43 Resp: 28752

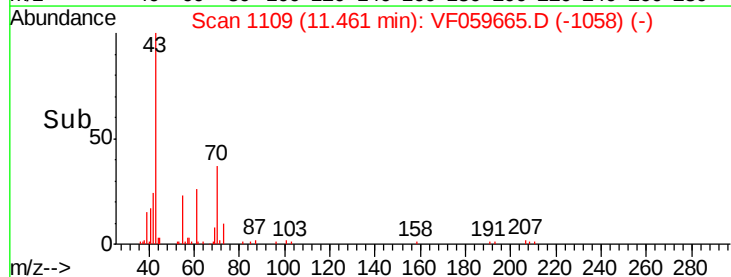
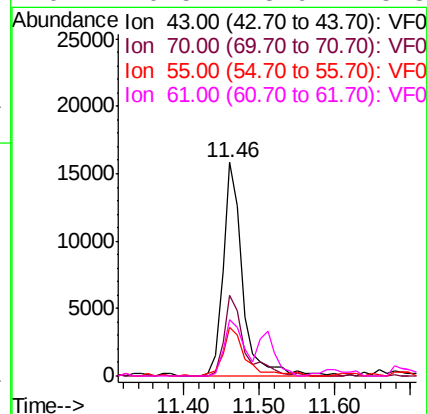
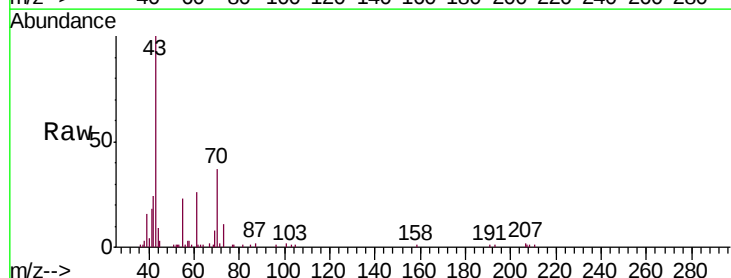
Ion Ratio Lower Upper

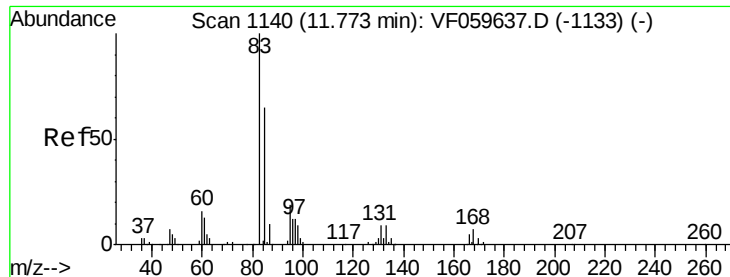
43 100

70 37.5 29.4 44.0

55 22.9 18.2 27.4

61 26.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.64 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

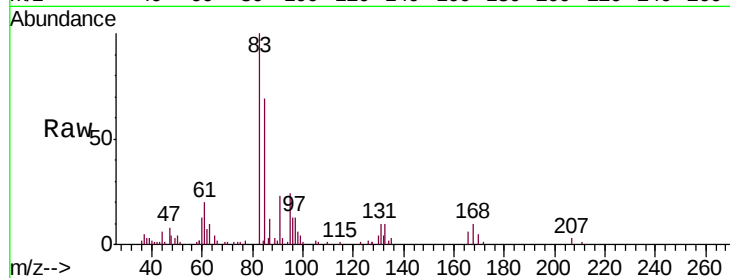
Tot Ion: 83 Resp: 19144

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.5

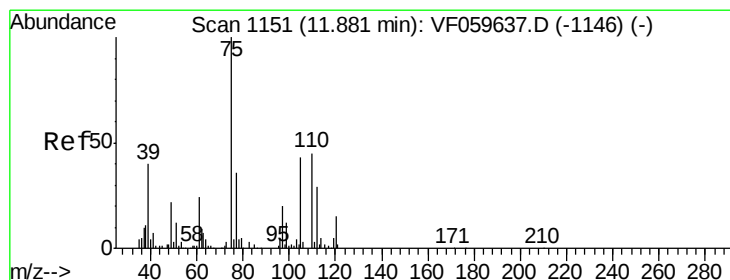
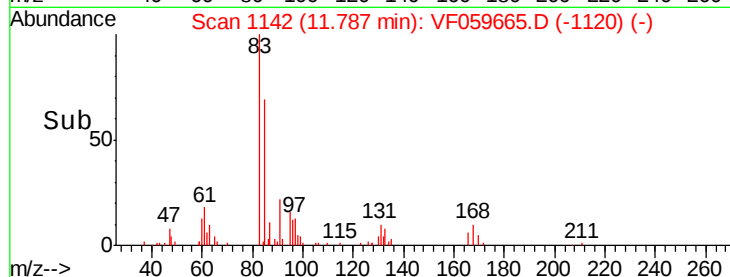
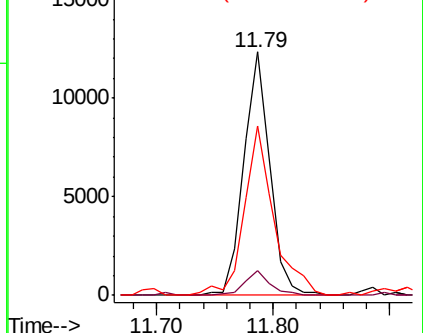
85 69.4 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 17.23 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059665.D

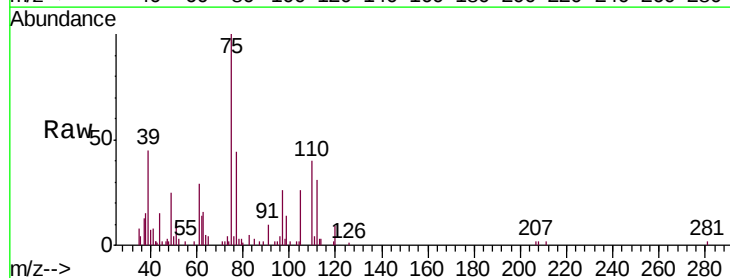
Acq: 25 Jul 2018 18:40

Tgt Ion: 75 Resp: 15446

Ion Ratio Lower Upper

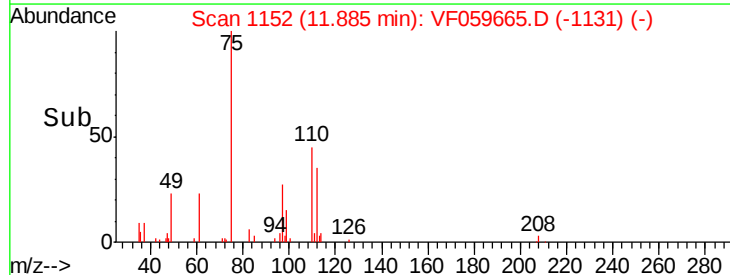
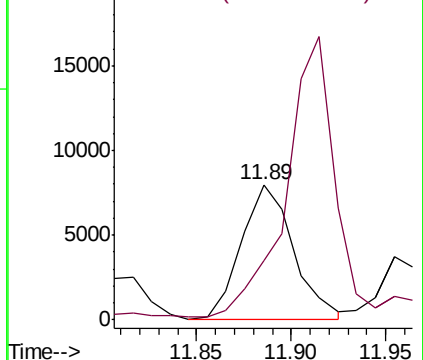
75 100

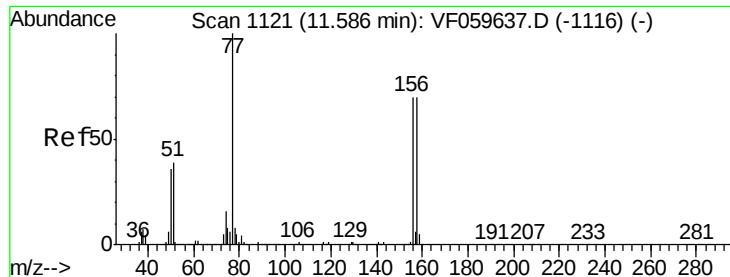
77 44.2 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.59 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

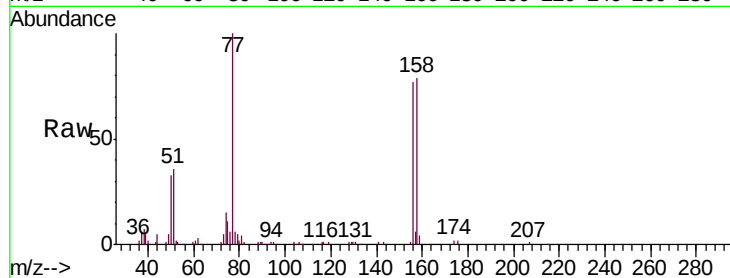
Tot Ion:156 Resp: 39602

Ion Ratio Lower Upper

156 100

77 129.8 71.5 214.3

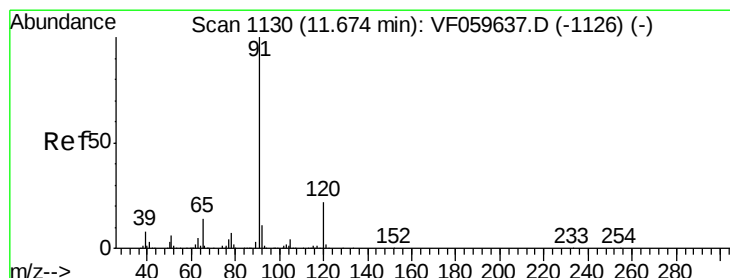
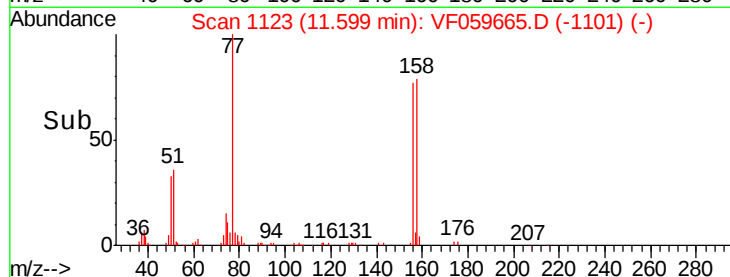
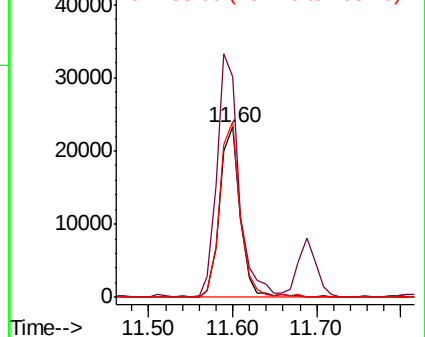
158 103.1 50.0 149.8



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: 30.17 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059665.D

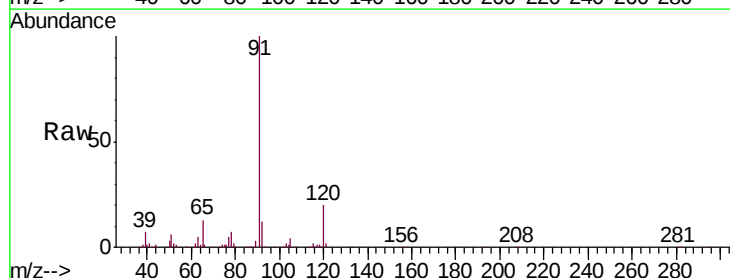
Acq: 25 Jul 2018 18:40

Tgt Ion: 91 Resp: 257369

Ion Ratio Lower Upper

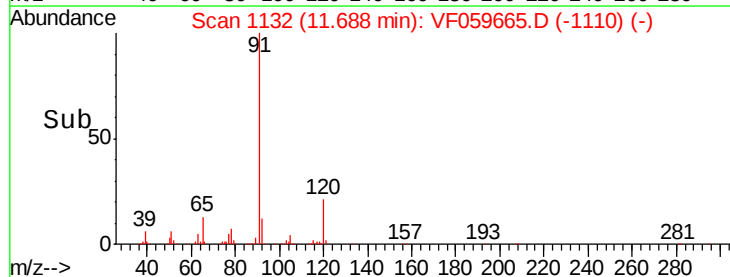
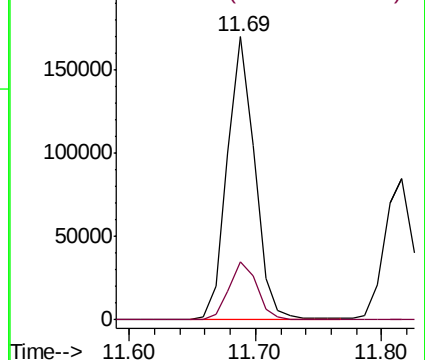
91 100

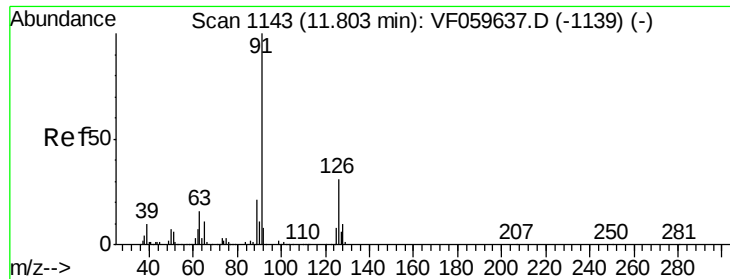
120 20.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

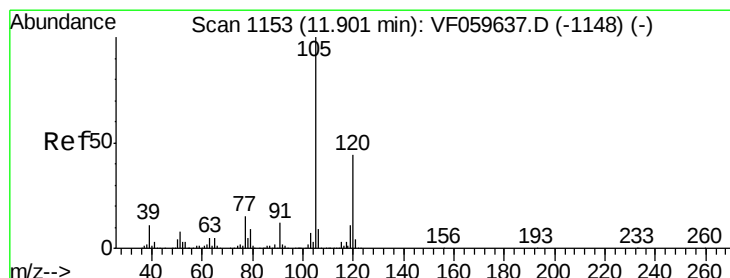
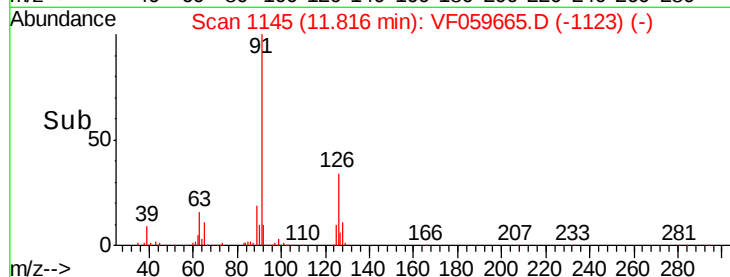
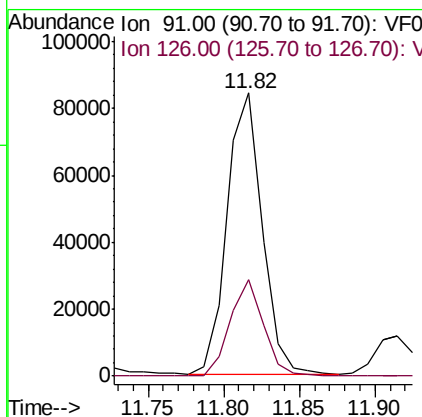
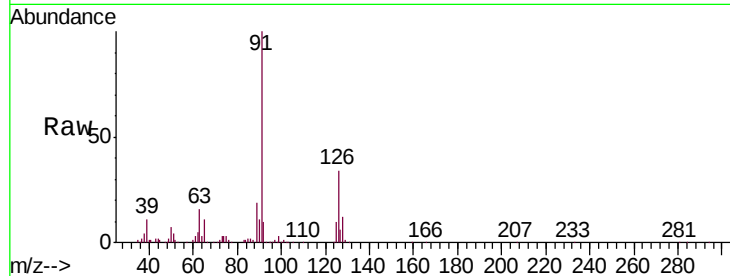




#79
 2-Chlorotoluene
 Concen: 26.44 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

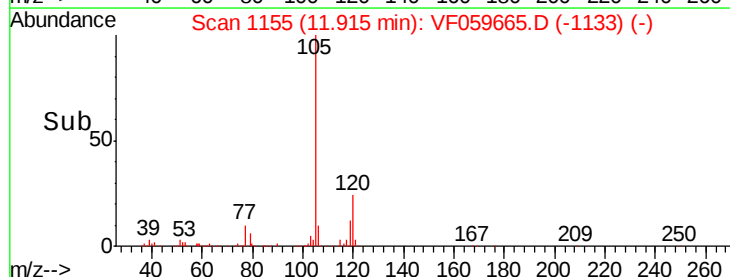
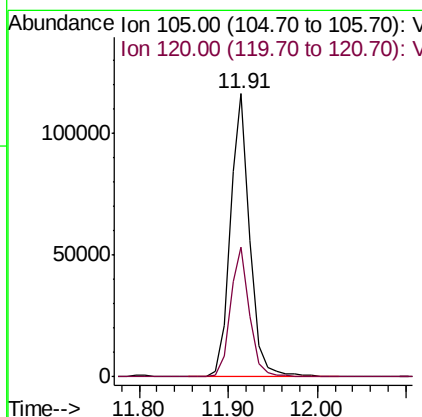
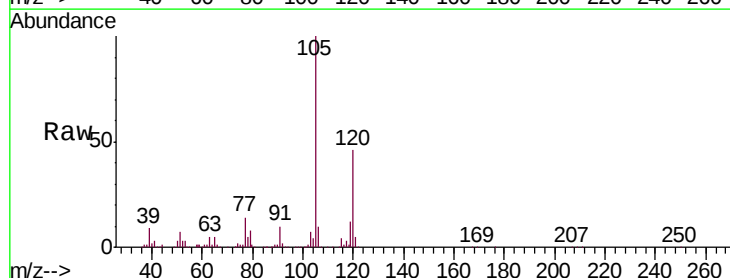
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

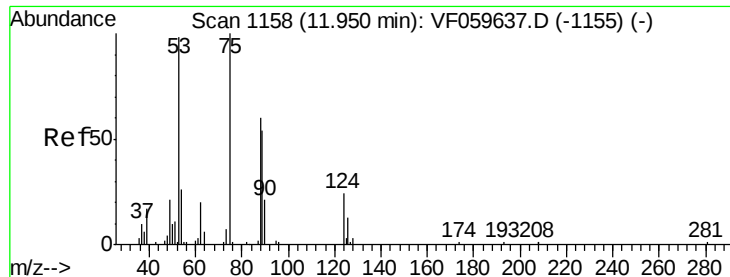
Tot Ion: 91 Resp: 135775
 Ion Ratio Lower Upper
 91 100
 126 34.0 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 28.14 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion: 105 Resp: 179210
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 11.18 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

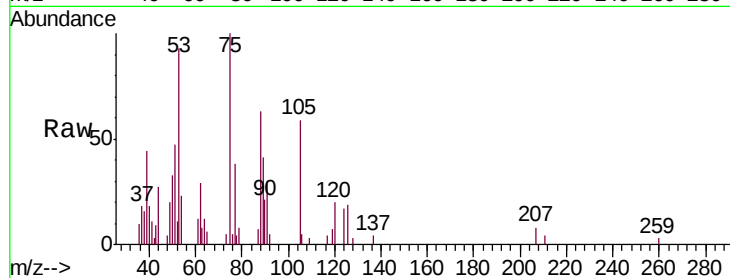
Tot Ion: 75 Resp: 6167

Ion Ratio Lower Upper

75 100

53 93.3 82.3 123.5

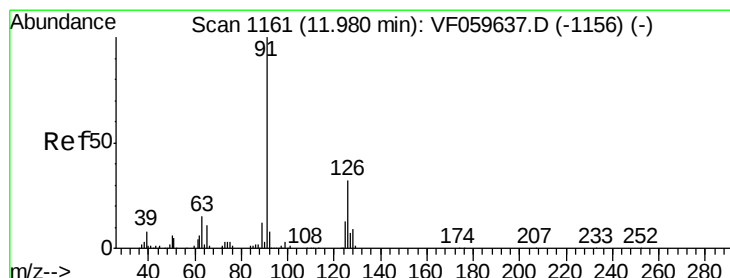
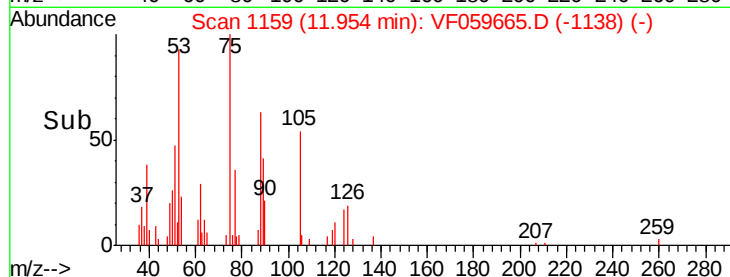
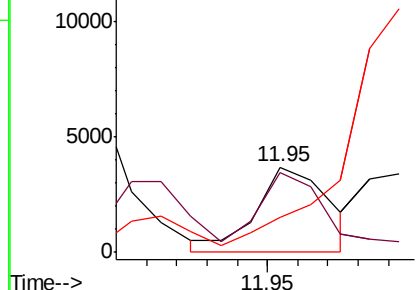
89 41.4 48.2 72.2#



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: 24.82 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059665.D

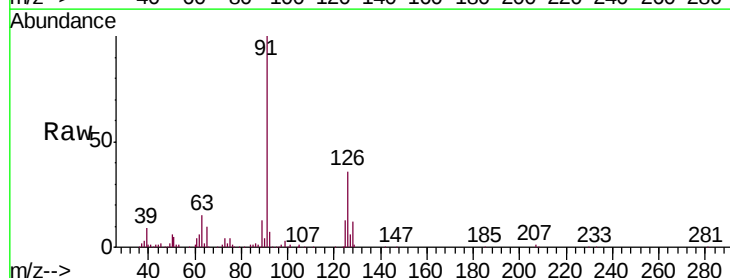
Acq: 25 Jul 2018 18:40

Tgt Ion: 91 Resp: 135980

Ion Ratio Lower Upper

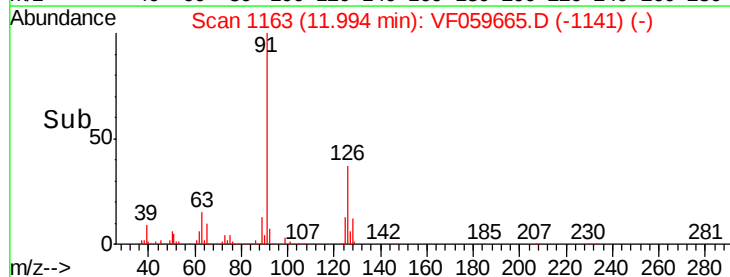
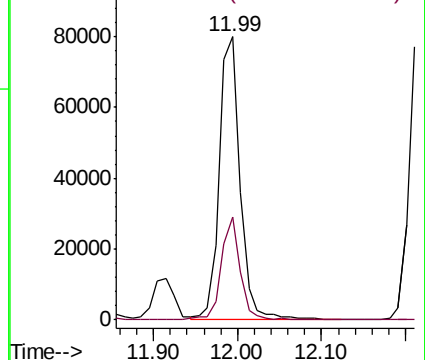
91 100

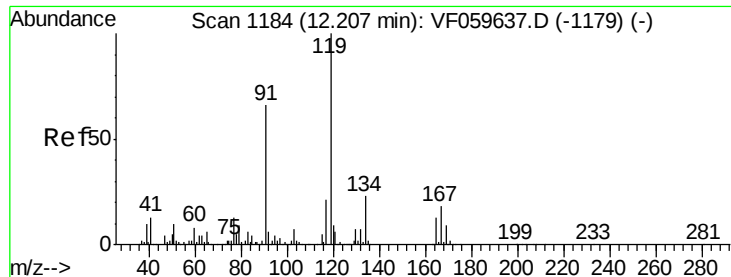
126 36.4 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 29.08 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

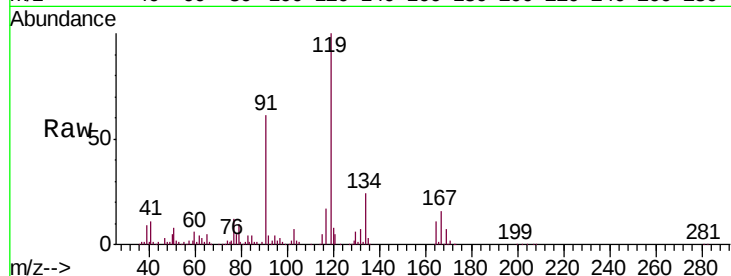
Tot Ion:119 Resp: 186709

Ion Ratio Lower Upper

119 100

91 60.8 33.2 99.6

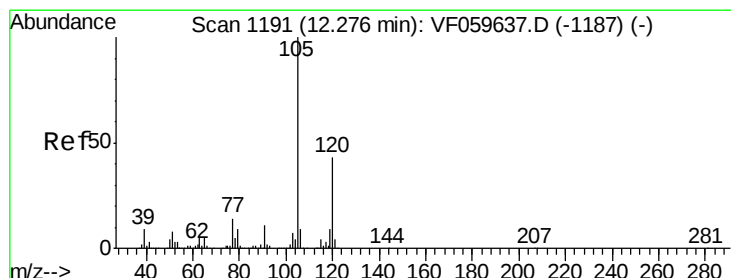
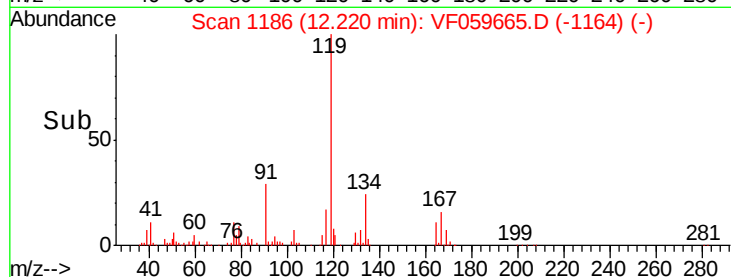
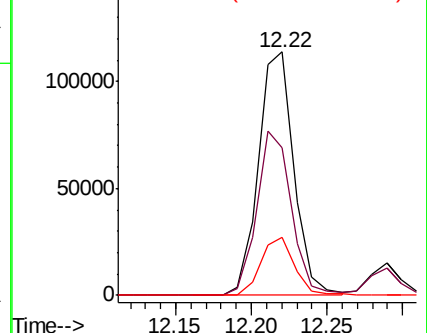
134 23.7 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 26.73 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF059665.D

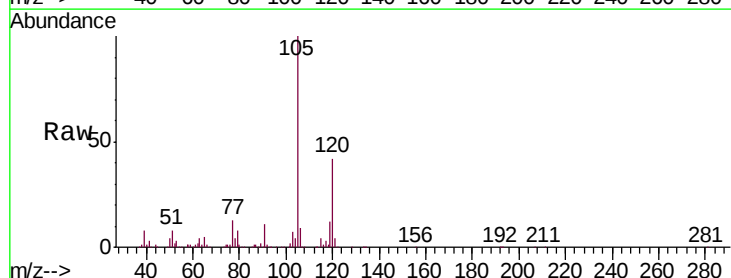
Acq: 25 Jul 2018 18:40

Tgt Ion:105 Resp: 174725

Ion Ratio Lower Upper

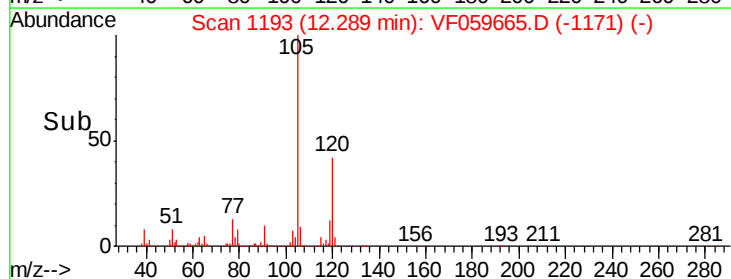
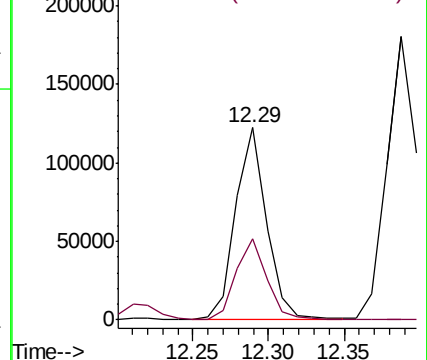
105 100

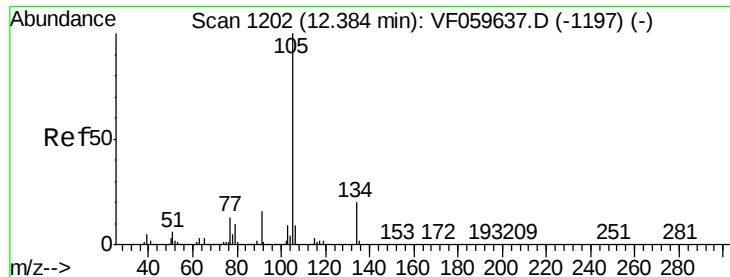
120 42.4 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 30.12 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

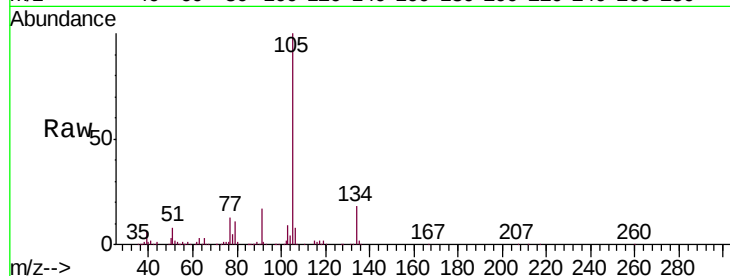
VF0725SBS01

Tot Ion:105 Resp: 257821

Ion Ratio Lower Upper

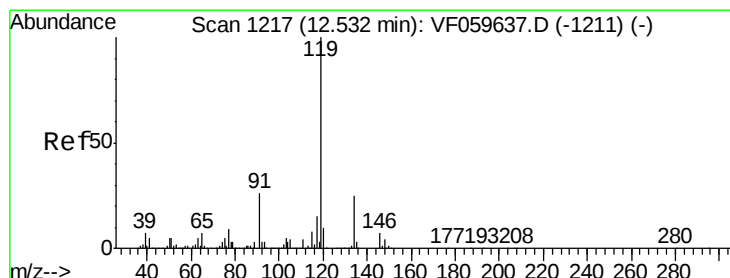
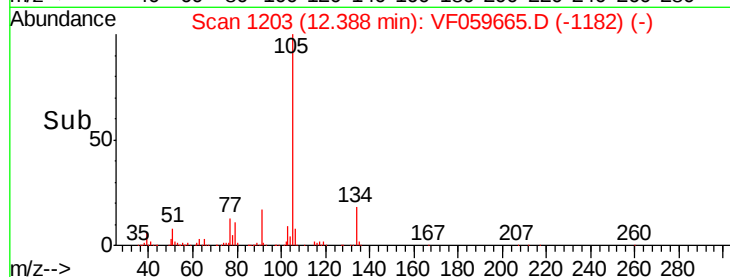
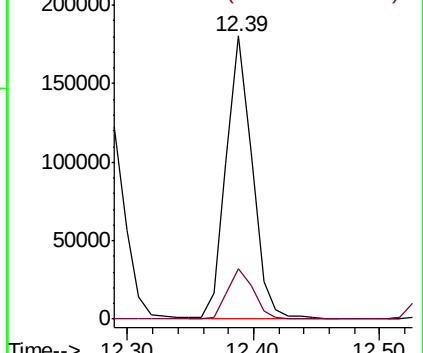
105 100

134 17.7 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 28.43 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

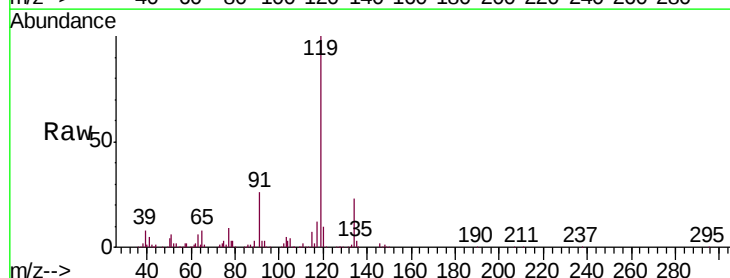
Tgt Ion:119 Resp: 211836

Ion Ratio Lower Upper

119 100

134 22.9 12.4 37.0

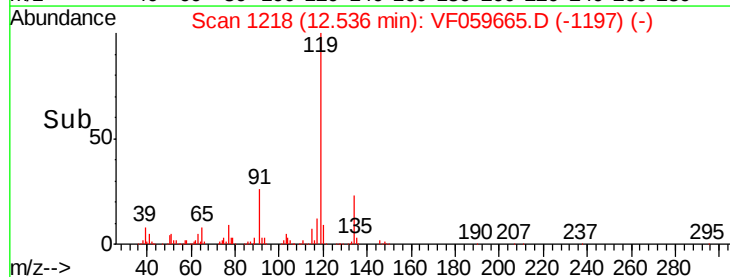
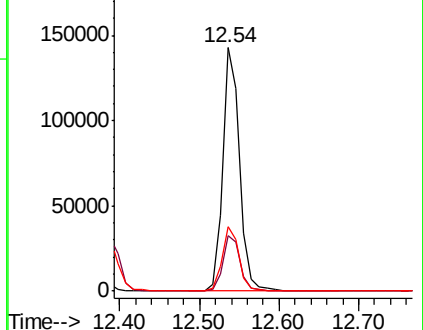
91 26.4 13.1 39.1

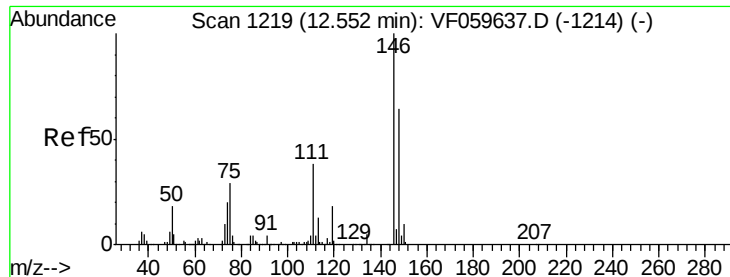


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

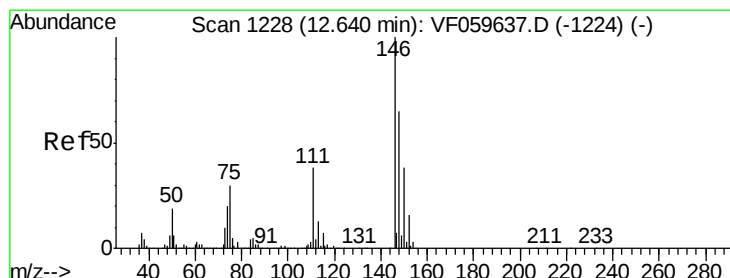
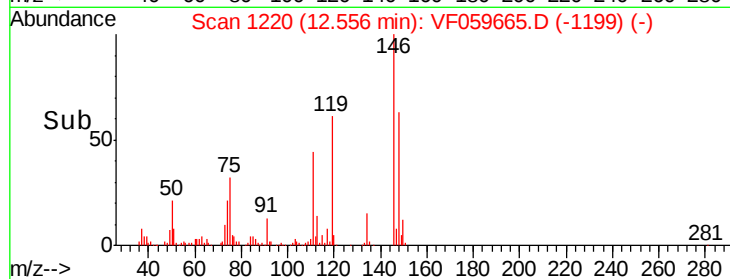
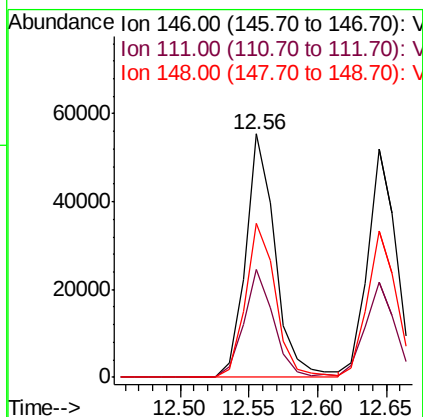
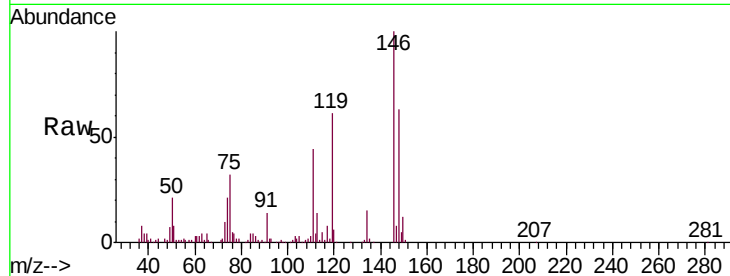




#87
 1,3-Dichlorobenzene
 Concen: 24.45 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

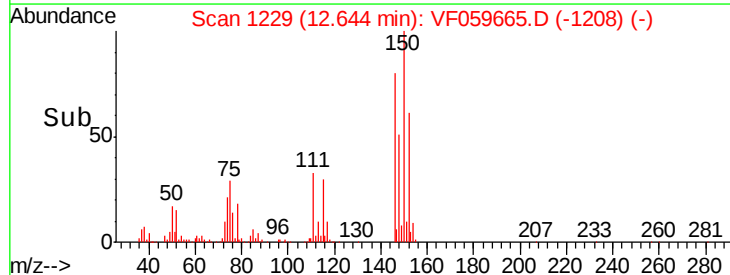
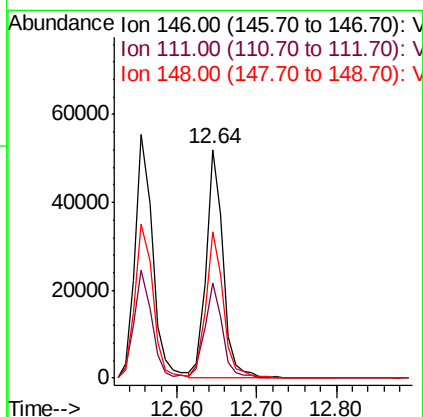
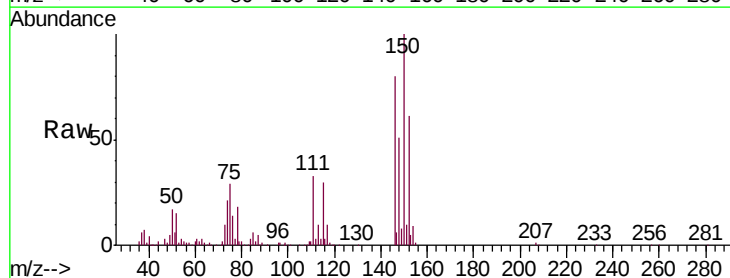
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

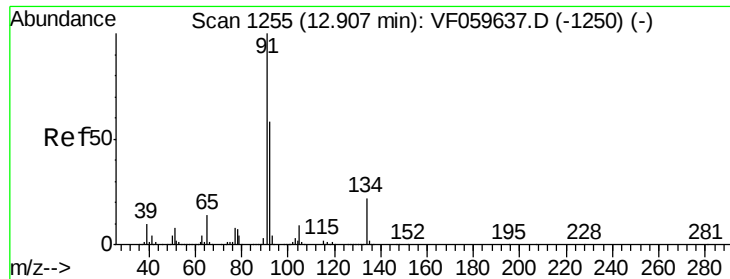
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	19.1	57.1
148	63.1	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 22.83 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.1	57.1
148	64.1	32.4	97.2





#89

n-Butylbenzene

Concen: 30.47 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

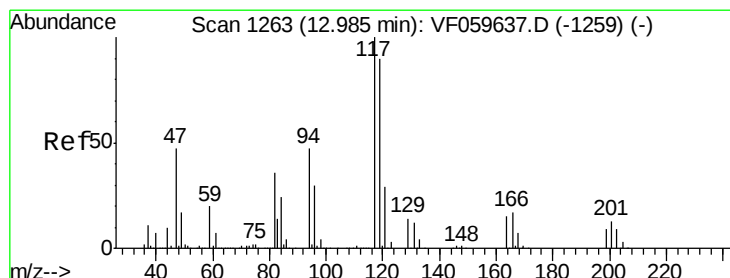
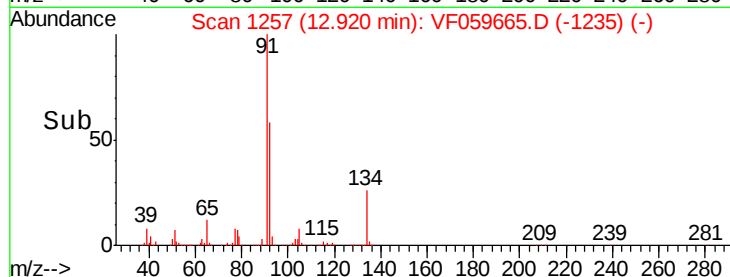
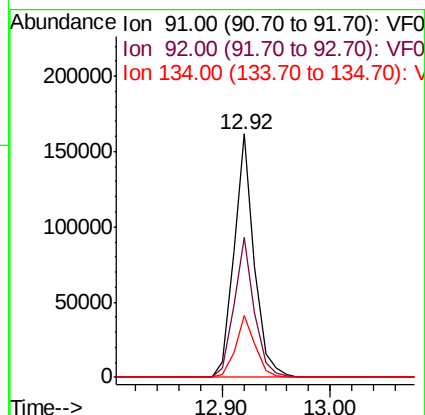
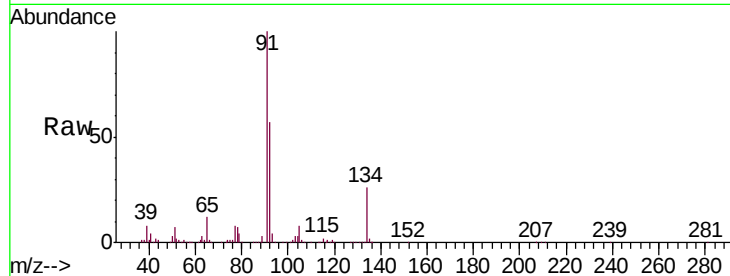
Tot Ion: 91 Resp: 211058

Ion Ratio Lower Upper

91 100

92 57.5 29.1 87.3

134 25.6 11.2 33.6



#90

Hexachloroethane

Concen: 27.90 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059665.D

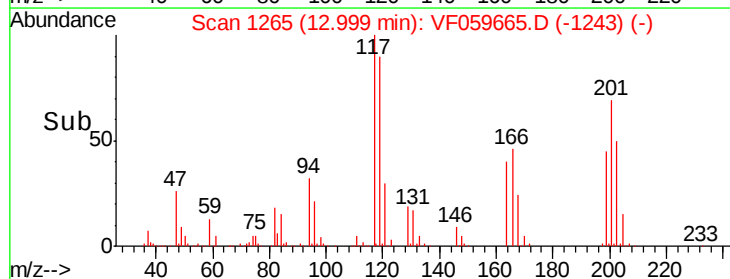
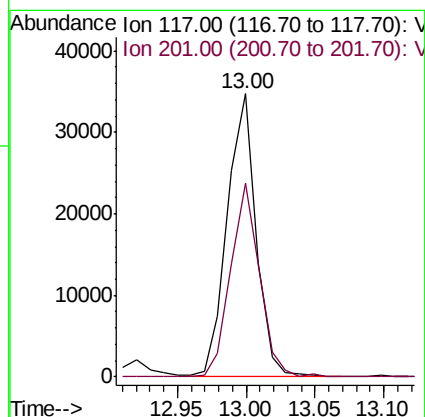
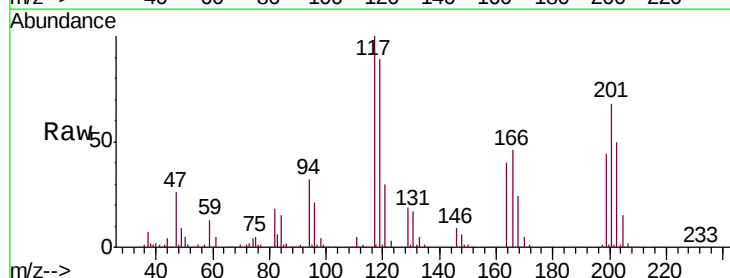
Acq: 25 Jul 2018 18:40

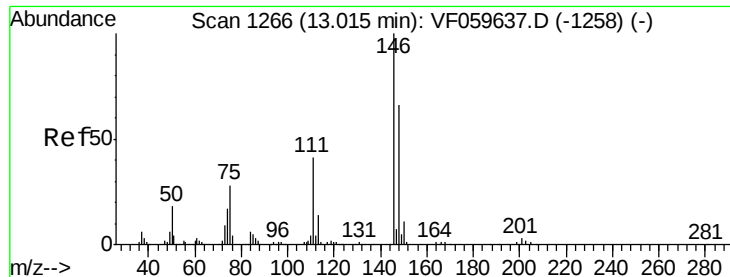
Tgt Ion: 117 Resp: 50712

Ion Ratio Lower Upper

117 100

201 69.3 6.6 19.7#





#91

1,2-Dichlorobenzene

Concen: 21.00 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

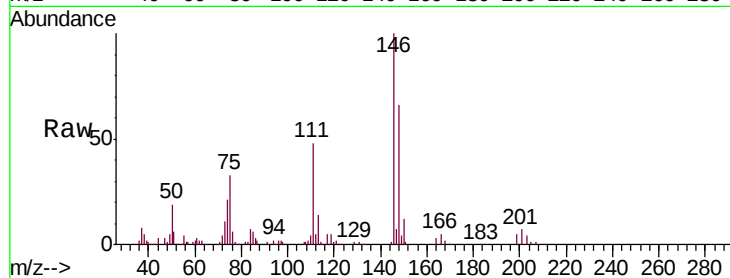
Tot Ion:146 Resp: 68815

Ion Ratio Lower Upper

146 100

111 47.6 20.3 61.0

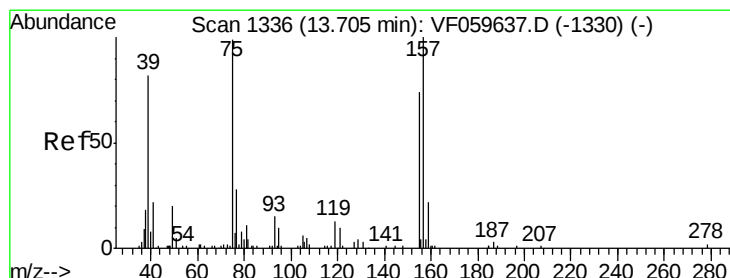
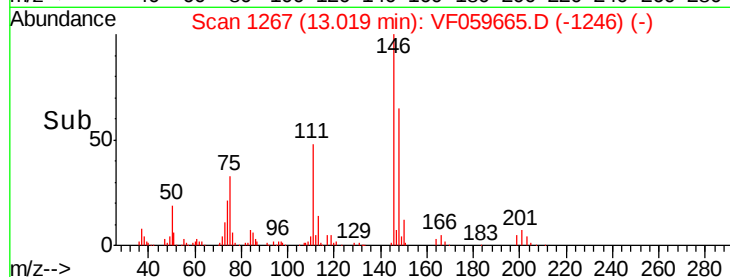
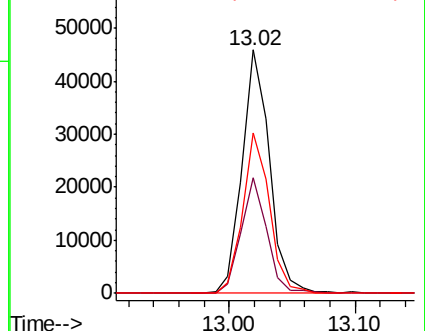
148 65.7 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.64 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

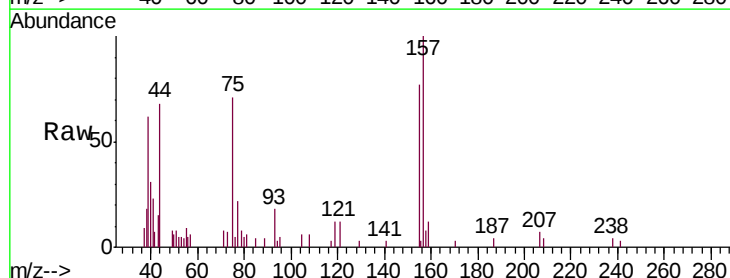
Tgt Ion: 75 Resp: 3538

Ion Ratio Lower Upper

75 100

155 113.9 37.5 112.7#

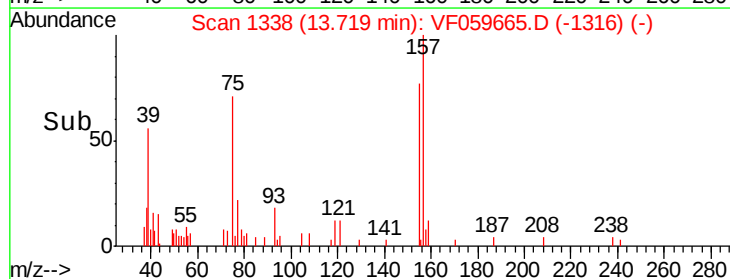
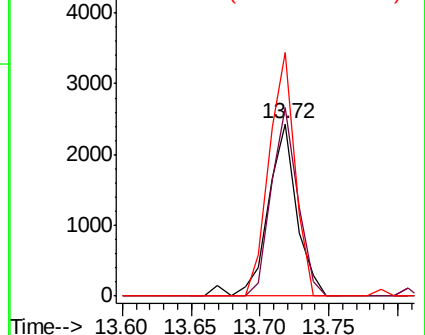
157 141.2 50.6 151.9

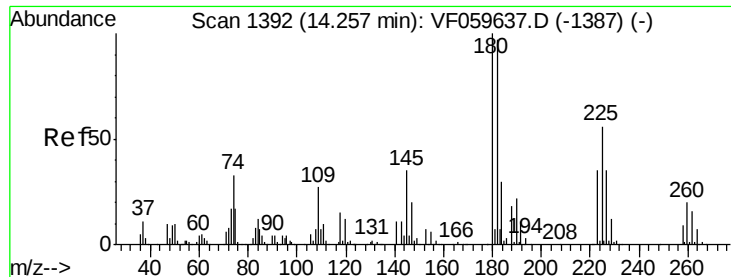


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

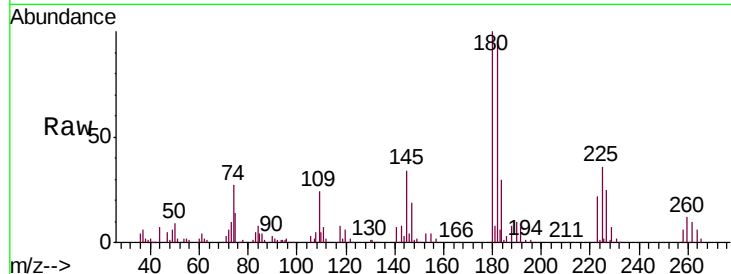




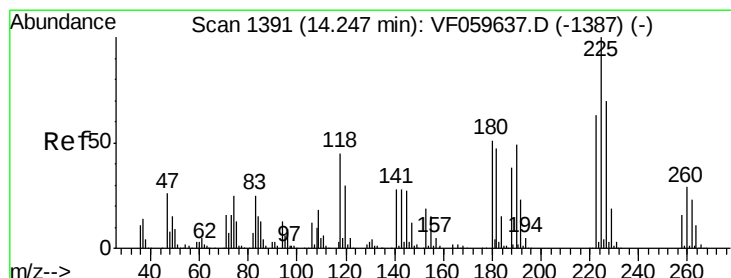
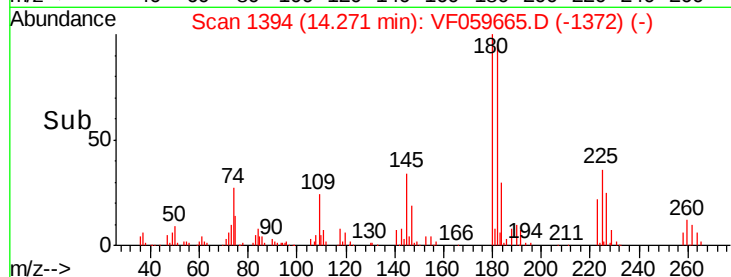
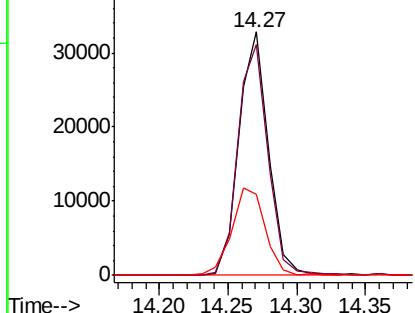
#93
 1,2,4-Trichlorobenzene
 Concen: 17.41 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Tot Ion:180 Resp: 49114
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.5 145.6
 145 33.5 17.4 52.2

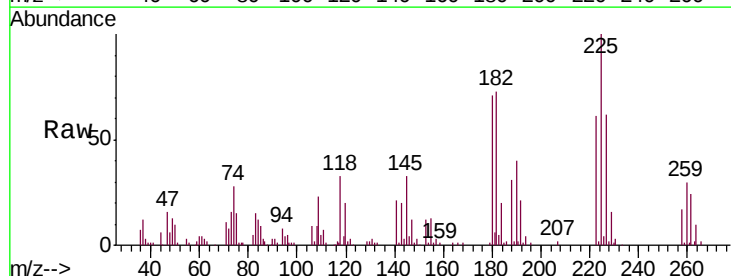


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

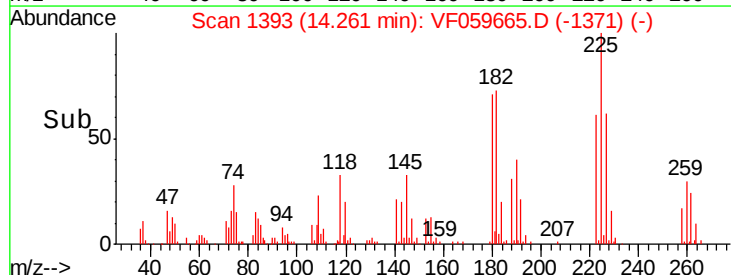
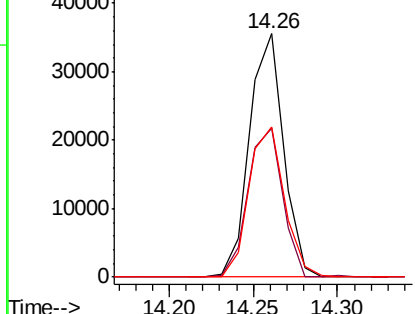


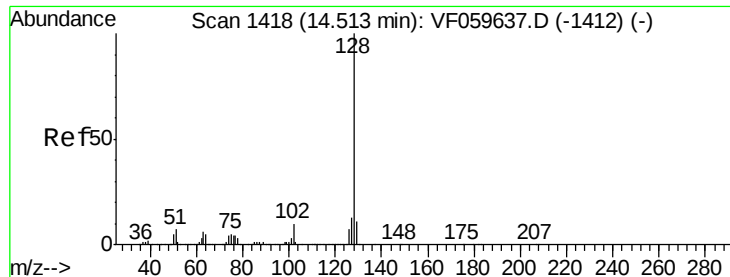
#94
 Hexachlorobutadiene
 Concen: 26.38 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059665.D
 Acq: 25 Jul 2018 18:40

Tgt Ion:225 Resp: 49939
 Ion Ratio Lower Upper
 225 100
 223 61.2 33.3 99.8
 227 61.6 34.8 104.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 13.22 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

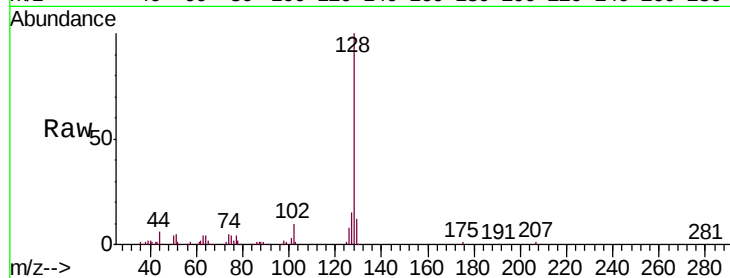
Tot Ion:128 Resp: 53662

Ion Ratio Lower Upper

128 100

127 14.8 10.1 15.1

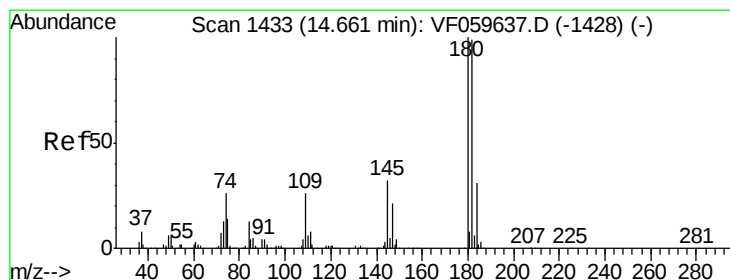
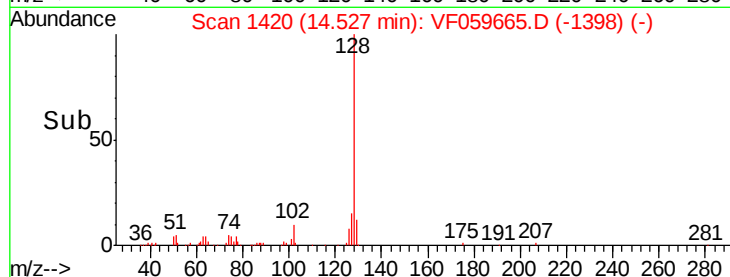
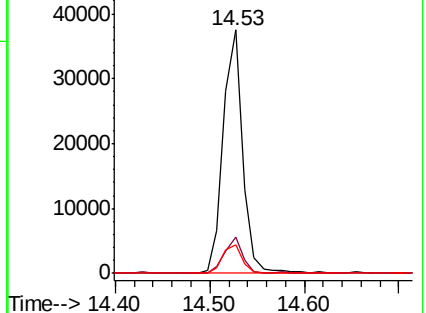
129 11.8 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.25 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059665.D

Acq: 25 Jul 2018 18:40

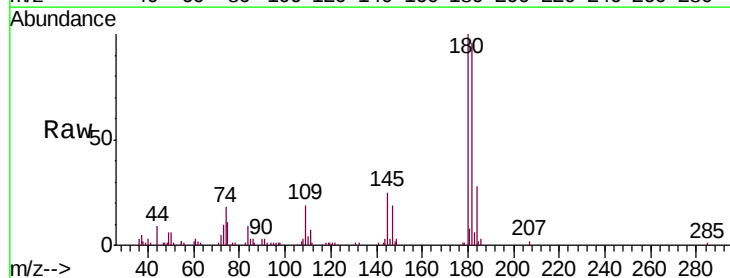
Tgt Ion:180 Resp: 39940

Ion Ratio Lower Upper

180 100

182 96.2 49.5 148.5

145 25.5 16.0 48.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

