

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059664.D
 Acq On : 25 Jul 2018 18:12
 Operator : VA/AP
 Sample : VF0725SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Quant Time: Jul 26 03:44:23 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	5.04	168	190015	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	247457	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	213080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	124749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	95685	36.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.28%	
35) Dibromofluoromethane	4.28	113	103665	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	7.70	98	267064	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.51	95	121720	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	51526	23.16	ug/l	99
3) Chloromethane	1.08	50	30970	27.14	ug/l	96
4) Vinyl Chloride	1.14	62	32708	26.63	ug/l	100
5) Bromomethane	1.32	94	24399	26.04	ug/l	98
6) Chloroethane	1.40	64	19160	25.94	ug/l	100
7) Trichlorofluoromethane	1.49	101	84413	25.32	ug/l	96
8) Diethyl Ether	1.70	74	8416	18.13	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43543	25.38	ug/l	97
10) Methyl Iodide	1.93	142	64013	23.32	ug/l	96
11) Tert butyl alcohol	2.67	59	6339	64.29	ug/l #	83
12) 1,1-Dichloroethene	1.83	96	34426	26.84	ug/l	98
13) Acrolein	1.96	56	106	2.19	ug/l	99
14) Allyl chloride	2.18	41	55465	24.61	ug/l	88
15) Acrylonitrile	3.07	53	12489	73.59	ug/l	95
16) Acetone	2.33	43	26560	63.74	ug/l	98
17) Carbon Disulfide	1.84	76	101465	31.45	ug/l	98
18) Methyl Acetate	2.45	43	8717	11.07	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	57230	16.70	ug/l #	91
20) Methylene Chloride	2.28	84	26215	20.46	ug/l	82
21) trans-1,2-Dichloroethene	2.41	96	32297	23.66	ug/l	94
22) Diisopropyl ether	2.92	45	84131	19.46	ug/l	96
23) Vinyl Acetate	3.32	43	147316	73.88	ug/l	98
24) 1,1-Dichloroethane	2.99	63	65109	21.17	ug/l	98
25) 2-Butanone	4.50	43	43023	86.52	ug/l	98
26) 2,2-Dichloropropane	3.76	77	72097	30.54	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	33809	20.23	ug/l	97
28) Bromochloromethane	3.89	49	20317	17.44	ug/l	97
29) Tetrahydrofuran	4.26	42	13184	56.17	ug/l	97
30) Chloroform	4.03	83	80263	18.82	ug/l	98
31) Cyclohexane	3.85	56	51279	28.65	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	91121	25.06	ug/l	96
36) 1,1-Dichloropropene	4.45	75	66864	26.37	ug/l	95
37) Ethyl Acetate	4.28	43	13652	12.31	ug/l #	27
38) Carbon Tetrachloride	4.16	117	90143	25.76	ug/l	90

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Quant Time: Jul 26 03:44:23 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	5.62	83	58266	28.34	ug/l	95
40) Benzene	4.80	78	115476	24.62	ug/l	97
41) Methacrylonitrile	4.92	41	8031	16.93	ug/l #	83
42) 1,2-Dichloroethane	5.11	62	44016	15.84	ug/l	98
43) Isopropyl Acetate	7.11	43	14136	12.68	ug/l #	97
44) Trichloroethene	5.66	130	44355	25.62	ug/l	92
45) 1,2-Dichloropropane	6.39	63	22033	18.56	ug/l	98
46) Dibromomethane	6.24	93	15371	15.33	ug/l	86
47) Bromodichloromethane	6.55	83	53099	18.11	ug/l	92
48) Methyl methacrylate	6.86	41	9841	11.99	ug/l	92
49) 1,4-Dioxane	6.87	88	1994	315.68	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	53157	64.86	ug/l	93
52) Toluene	7.77	92	75326	22.90	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	36273	15.52	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	44993	18.21	ug/l	89
55) 1,1,2-Trichloroethane	8.63	97	16386	15.67	ug/l #	83
56) Ethyl methacrylate	8.76	69	13602	12.17	ug/l	93
57) 1,3-Dichloropropane	8.99	76	29086	16.25	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	15856	110.51	ug/l	100
59) 2-Hexanone	9.63	43	43348	69.26	ug/l	92
60) Dibromochloromethane	8.86	129	31215	16.15	ug/l	90
61) 1,2-Dibromoethane	9.14	107	19050	14.92	ug/l	82
64) Tetrachloroethene	8.30	164	42405	25.11	ug/l	93
65) Chlorobenzene	9.94	112	87512	22.17	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	39743	21.72	ug/l	95
67) Ethyl Benzene	10.04	91	177624	25.04	ug/l	98
68) m/p-Xylenes	10.26	106	121087	47.77	ug/l	96
69) o-Xylene	10.83	106	64023	23.73	ug/l	91
70) Styrene	10.90	104	83821	21.51	ug/l	96
71) Bromoform	10.89	173	16667	16.18	ug/l	98
73) Isopropylbenzene	11.23	105	228110	29.09	ug/l	99
74) N-amyl acetate	11.46	43	28219	16.79	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	20619	17.37	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	18039	18.39	ug/l	91
77) Bromobenzene	11.60	156	41275	21.52	ug/l	92
78) n-propylbenzene	11.68	91	269298	28.86	ug/l	97
79) 2-Chlorotoluene	11.81	91	144310	25.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	198588	28.51	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	12329	20.42	ug/l	89
82) 4-Chlorotoluene	11.99	91	144426	24.10	ug/l	97
83) tert-Butylbenzene	12.22	119	202744	28.87	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	187550	26.23	ug/l	98
85) sec-Butylbenzene	12.38	105	290890	31.07	ug/l	98
86) p-Isopropyltoluene	12.54	119	237540	29.14	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	90343	24.05	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	84159	22.63	ug/l	97
89) n-Butylbenzene	12.92	91	226890	29.83	ug/l	95
90) Hexachloroethane	12.99	117	54494	27.41	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	80380	22.43	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4513	14.74	ug/l	82

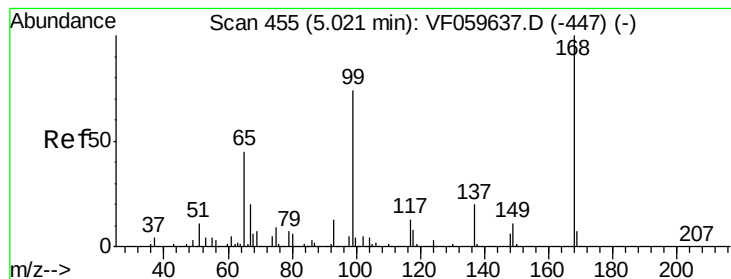
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072518\
Data File : VF059664.D
Acq On : 25 Jul 2018 18:12
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	59165	19.80	ug/l	97
94) Hexachlorobutadiene	14.26	225	57802	27.92	ug/l	94
95) Naphthalene	14.52	128	71530	16.11	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	49282	19.46	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

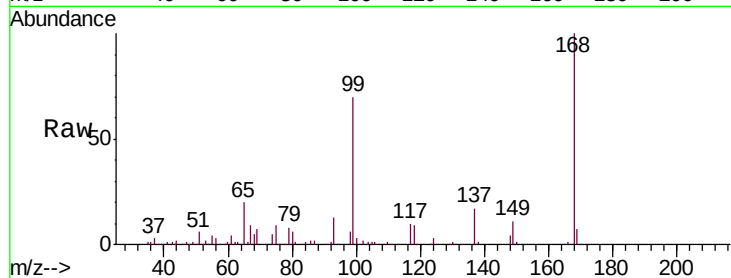
VF0725SBS01

Tot Ion:168 Resp: 190015

Ion Ratio Lower Upper

168 100

99 69.6 59.5 89.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

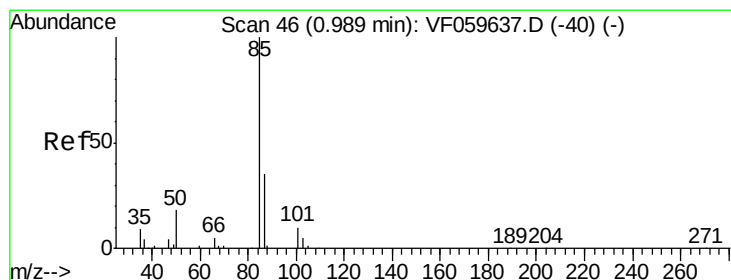
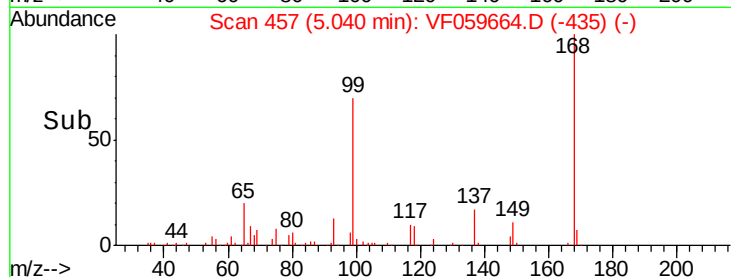
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 23.16 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059664.D

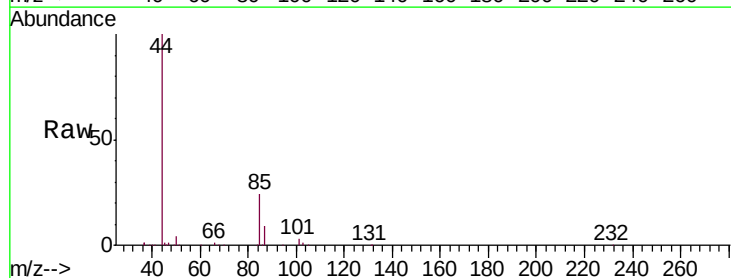
Acq: 25 Jul 2018 18:12

Tgt Ion: 85 Resp: 51526

Ion Ratio Lower Upper

85 100

87 35.5 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

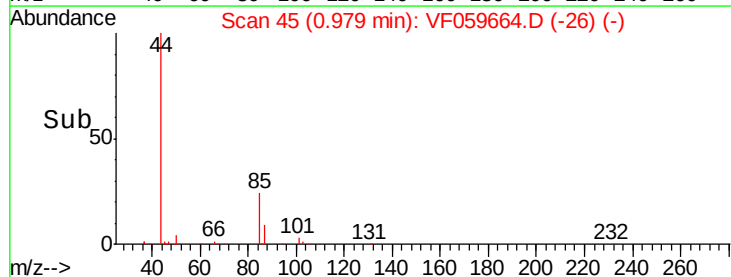
10000

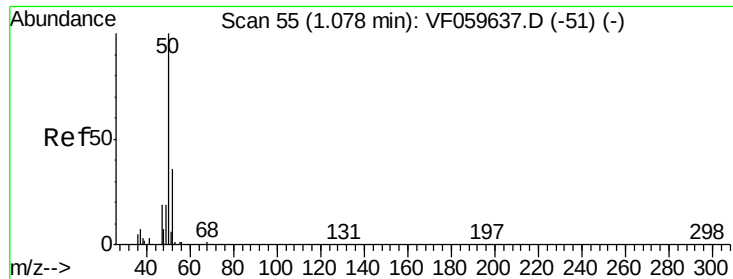
5000

0

Time-->

0.90 1.00 1.10

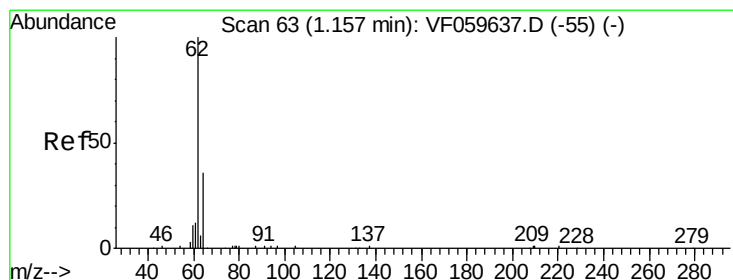
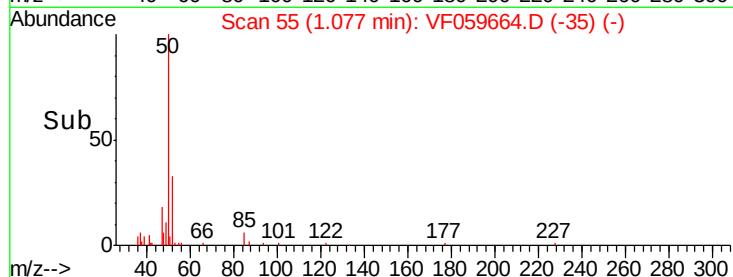
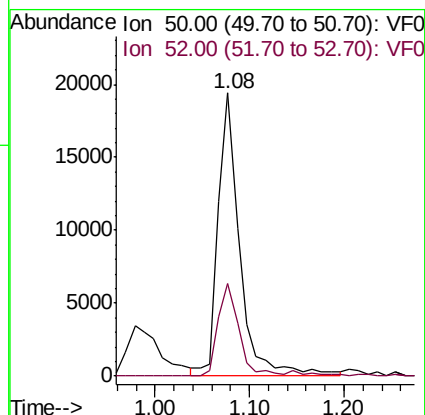
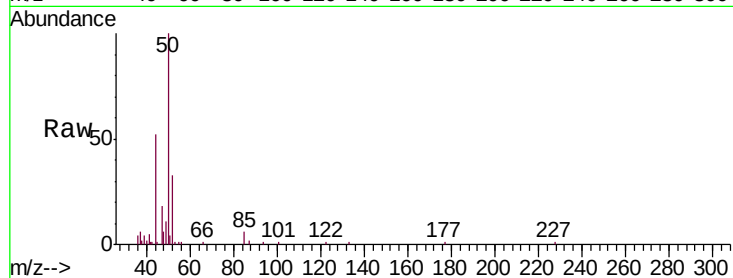




#3
Chloromethane
Concen: 27.14 ug/l
RT: 1.08 min Scan# 55
Delta R.T. 0.00 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

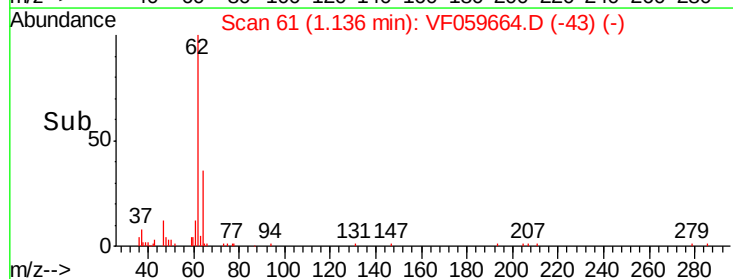
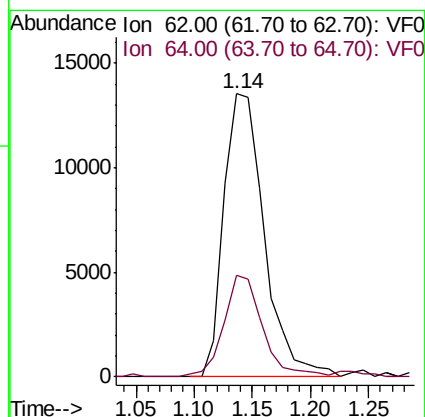
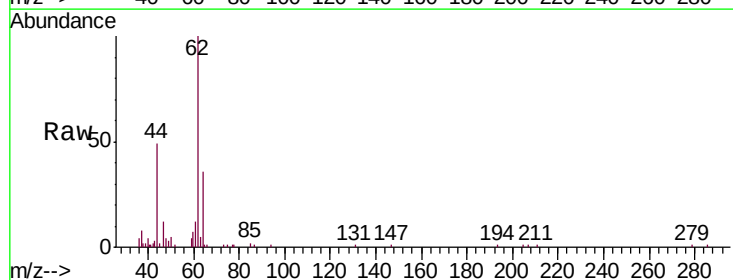
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

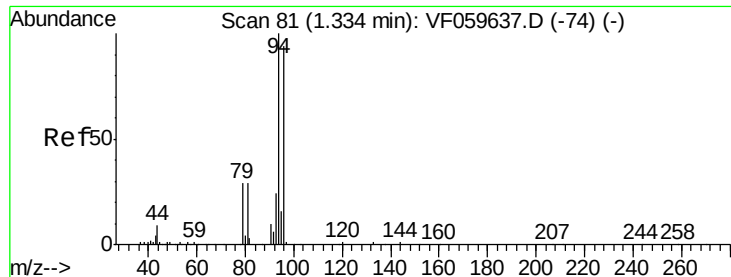
Tot Ion: 50 Resp: 30970
Ion Ratio Lower Upper
50 100
52 32.9 28.0 42.0



#4
Vinyl Chloride
Concen: 26.63 ug/l
RT: 1.14 min Scan# 61
Delta R.T. -0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 62 Resp: 32708
Ion Ratio Lower Upper
62 100
64 35.8 28.6 43.0





#5

Bromomethane

Concen: 26.04 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

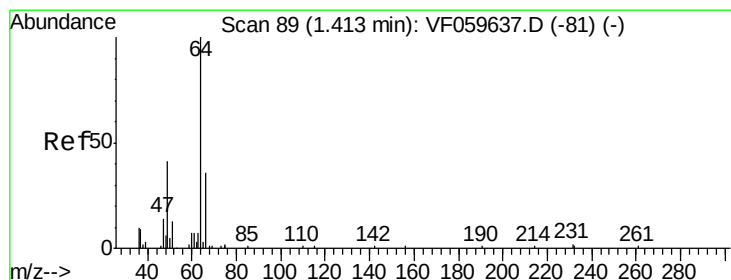
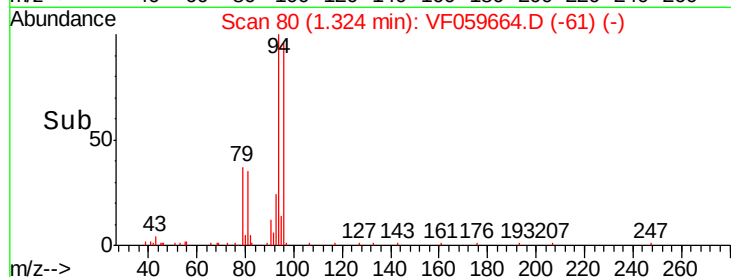
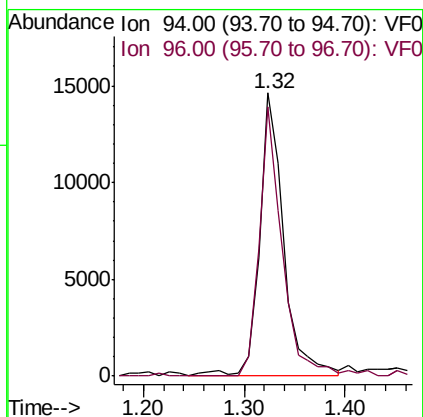
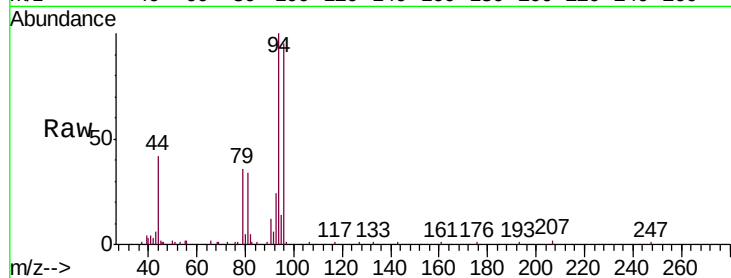
VF0725SBS01

Tot Ion: 94 Resp: 24399

Ion Ratio Lower Upper

94 100

96 95.0 74.6 112.0



#6

Chloroethane

Concen: 25.94 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF059664.D

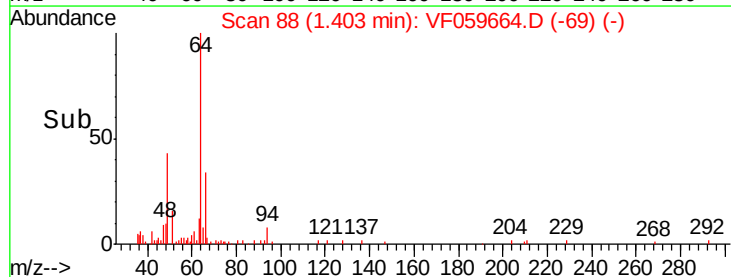
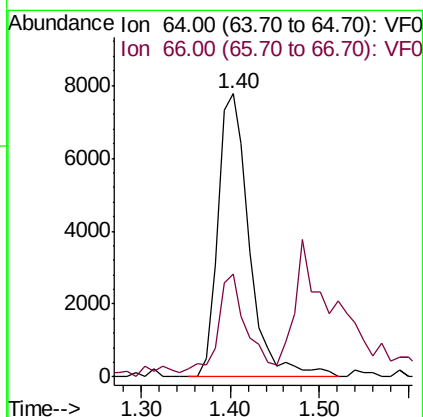
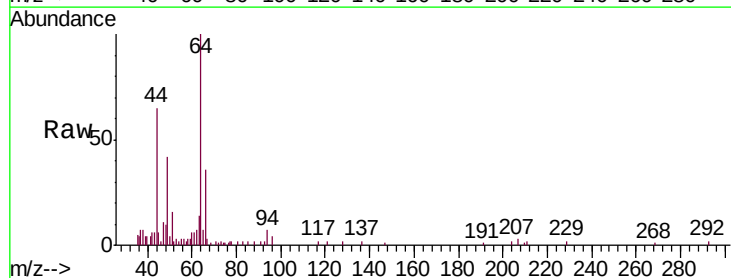
Acq: 25 Jul 2018 18:12

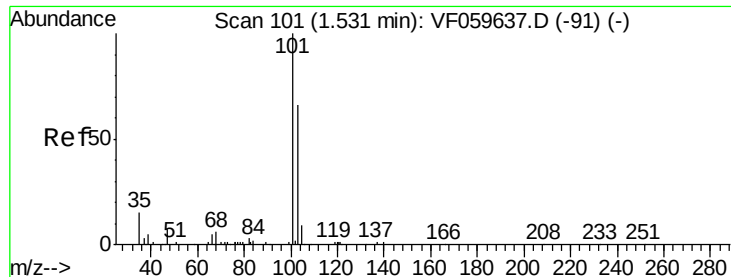
Tgt Ion: 64 Resp: 19160

Ion Ratio Lower Upper

64 100

66 36.4 29.0 43.6





#7

Trichlorofluoromethane

Concen: 25.32 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.04 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

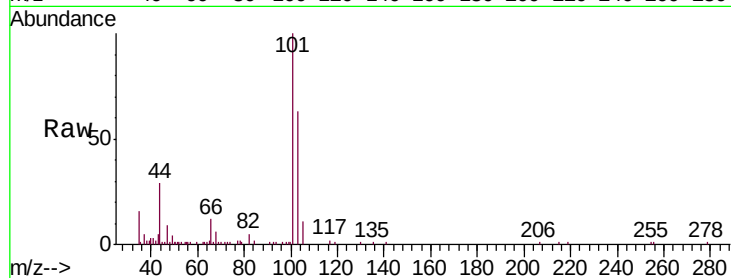
VF0725SBS01

Tot Ion:101 Resp: 84413

Ion Ratio Lower Upper

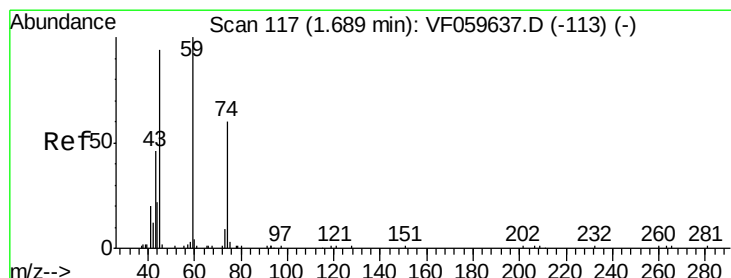
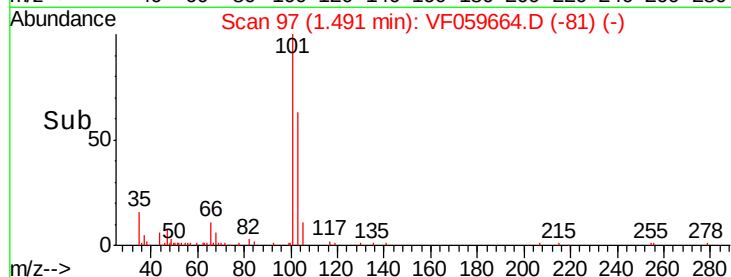
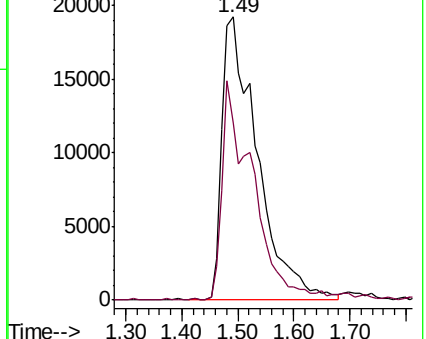
101 100

103 62.6 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: 18.13 ug/l

RT: 1.70 min Scan# 118

Delta R.T. 0.01 min

Lab File: VF059664.D

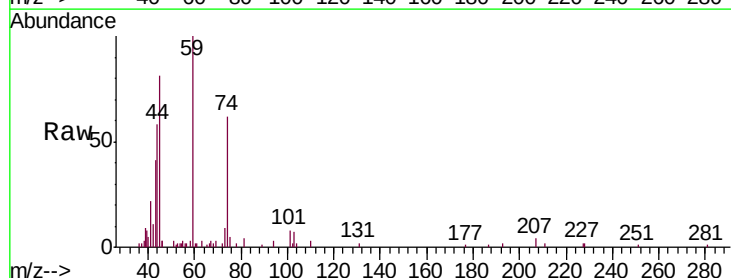
Acq: 25 Jul 2018 18:12

Tgt Ion: 74 Resp: 8416

Ion Ratio Lower Upper

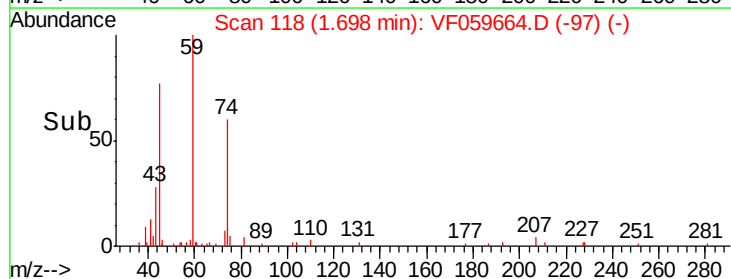
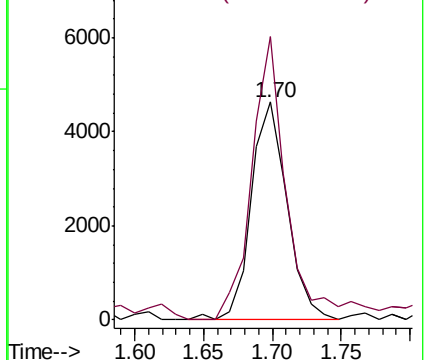
74 100

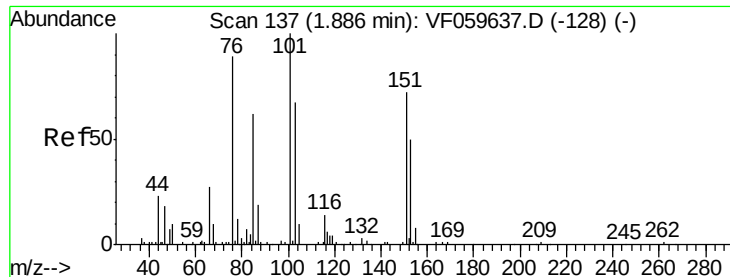
45 130.1 80.3 241.0



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: 25.38 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

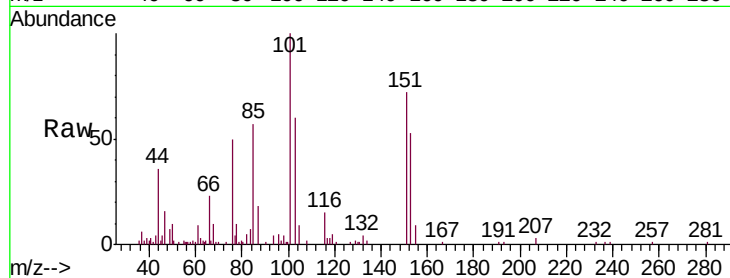
Tot Ion:101 Resp: 43543

Ion Ratio Lower Upper

101 100

85 56.8 49.0 73.4

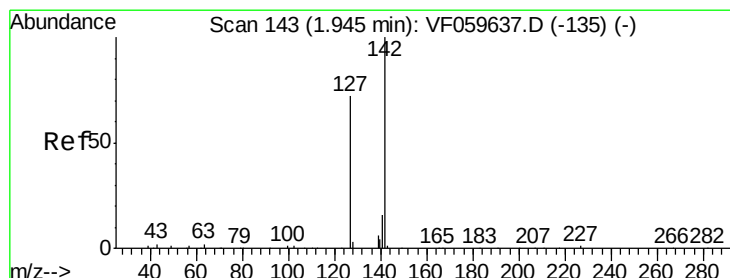
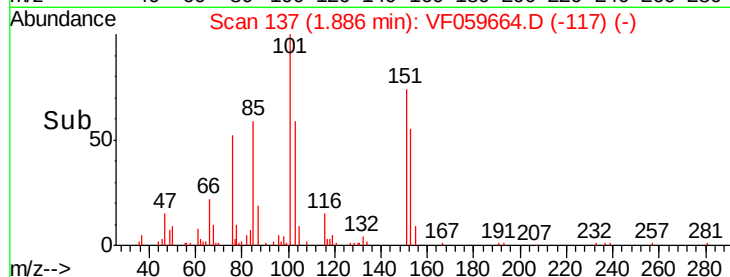
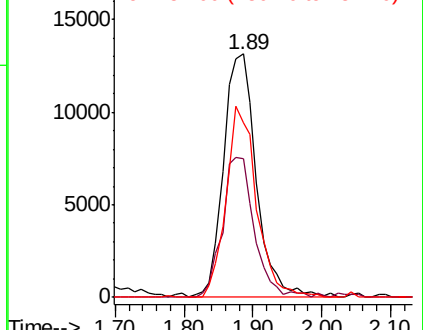
151 71.9 56.8 85.2



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: 23.32 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

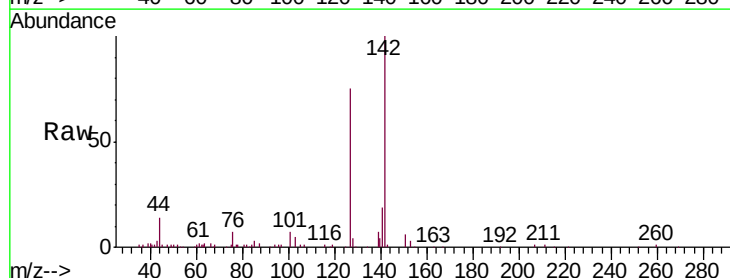
Tgt Ion:142 Resp: 64013

Ion Ratio Lower Upper

142 100

127 74.8 57.5 86.3

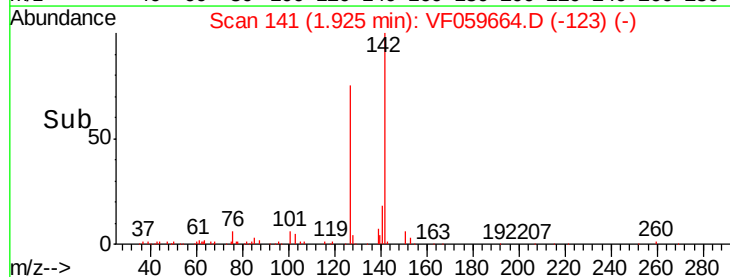
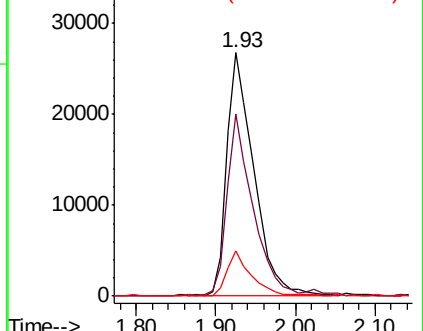
141 18.6 13.2 19.8

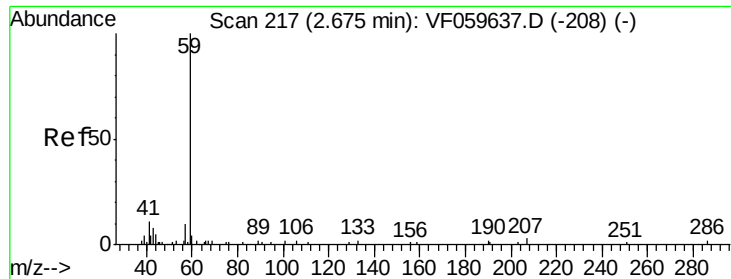


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



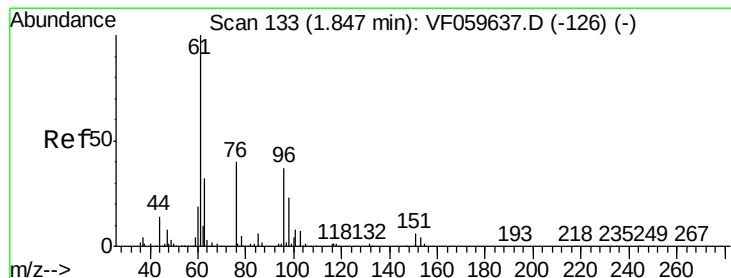
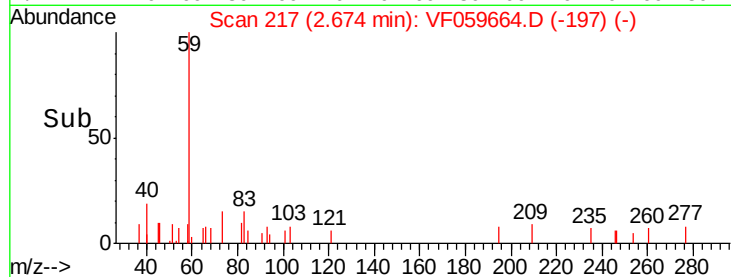
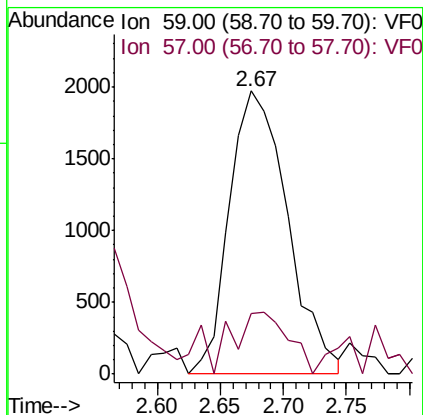
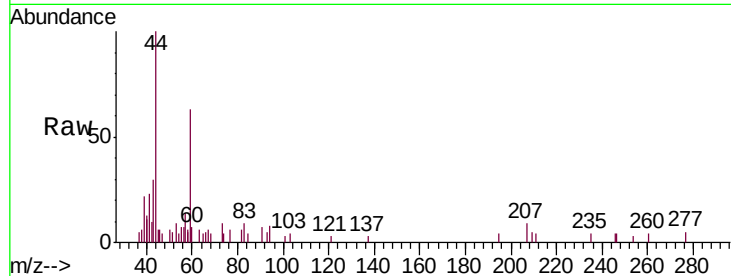


#11

Tert butyl alcohol
 Concen: 64.29 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

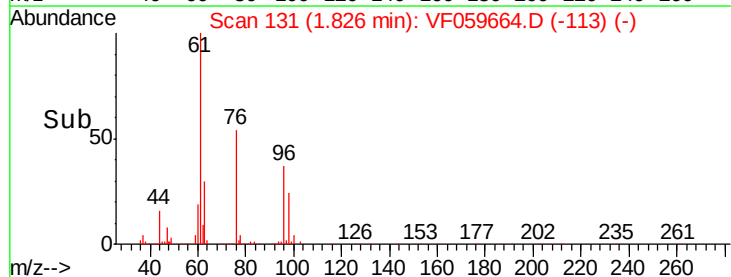
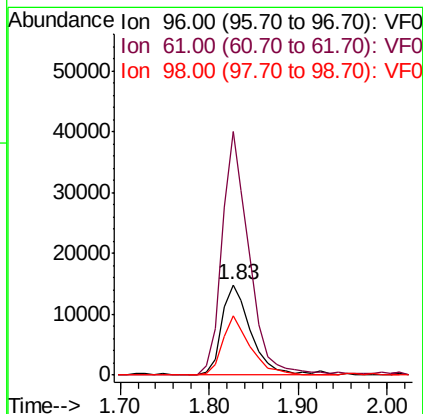
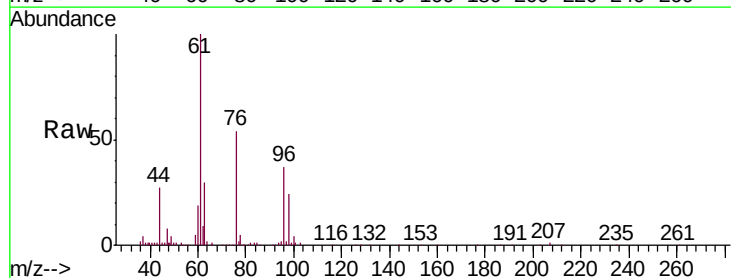
Tot Ion: 59 Resp: 6339
 Ion Ratio Lower Upper
 59 100
 57 21.4 11.4 17.2#

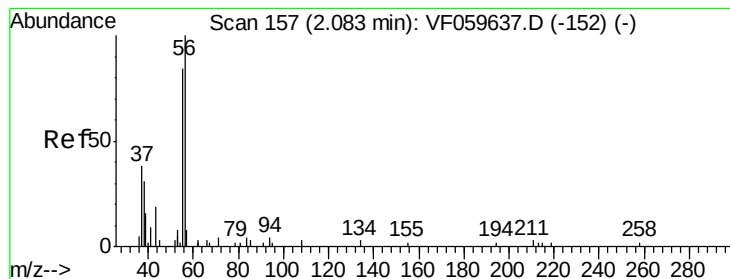


#12

1,1-Dichloroethene
 Concen: 26.84 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. -0.02 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

Tgt Ion: 96 Resp: 34426
 Ion Ratio Lower Upper
 96 100
 61 270.3 218.2 327.4
 98 65.9 50.6 76.0





#13

Acrolein

Concen: 2.19 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.12 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

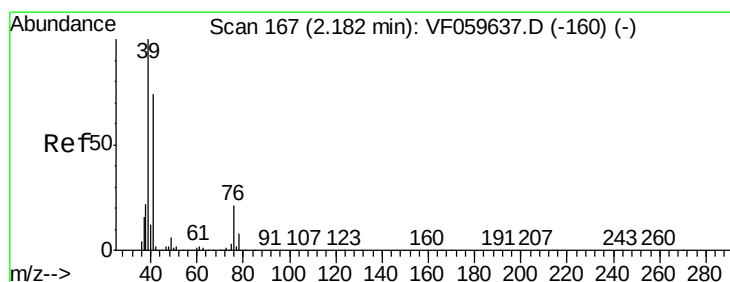
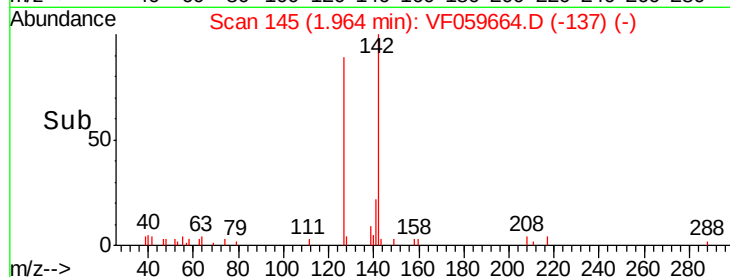
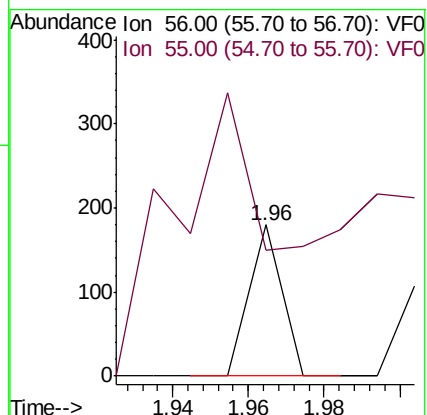
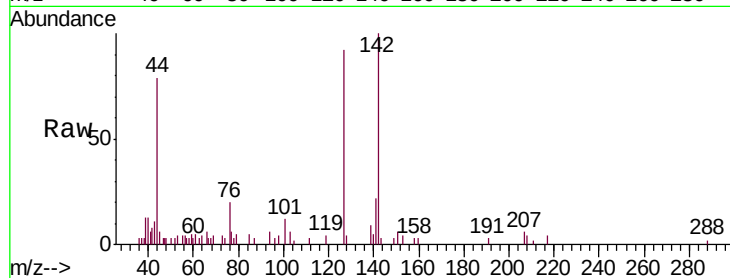
VF0725SBS01

Tot Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 83.3 67.2 100.8



#14

Allyl chloride

Concen: 24.61 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

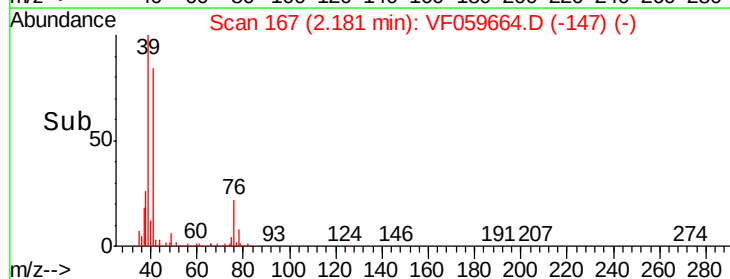
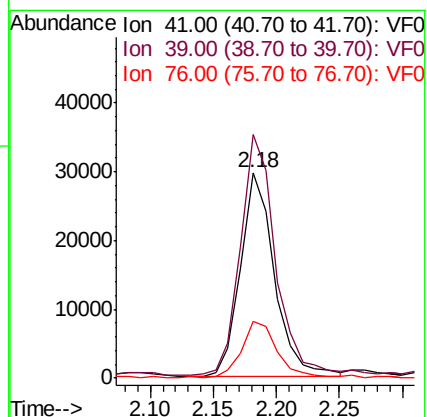
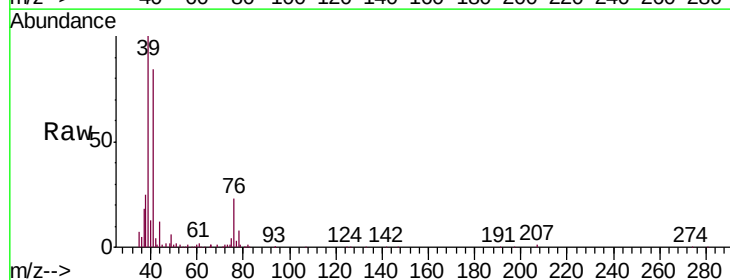
Tgt Ion: 41 Resp: 55465

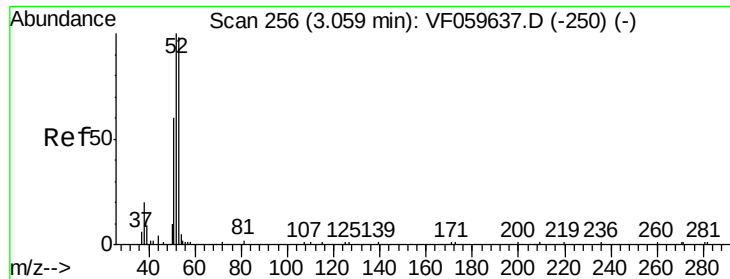
Ion Ratio Lower Upper

41 100

39 118.6 108.6 162.8

76 27.7 23.0 34.6





#15

Acrylonitrile

Concen: 73.59 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

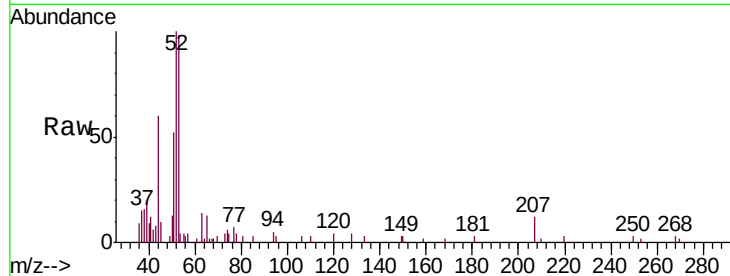
MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 53 Resp: 12489

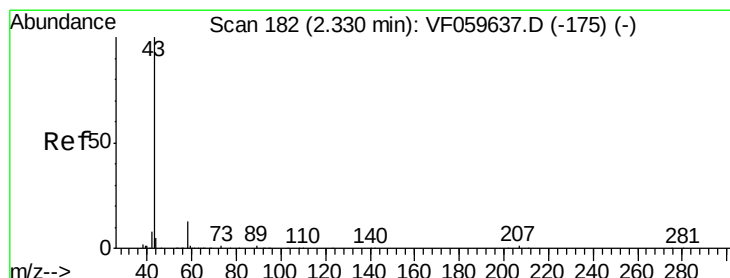
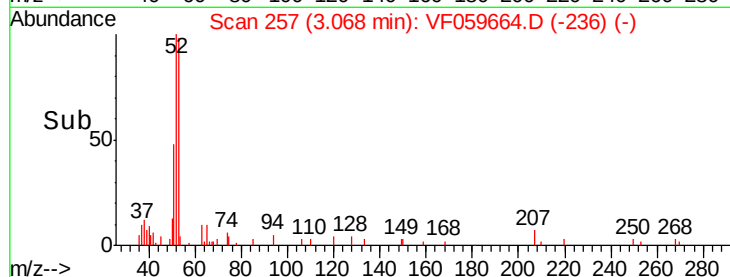
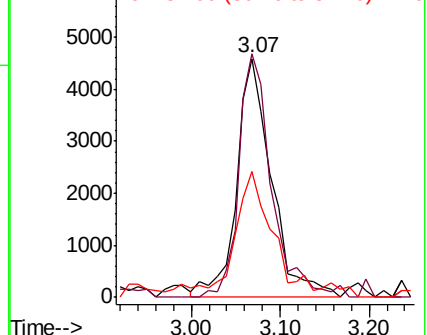
Ion	Ratio	Lower	Upper
53	100		
52	102.0	80.9	121.3
51	53.0	49.4	74.2



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: 63.74 ug/l

RT: 2.33 min Scan# 182

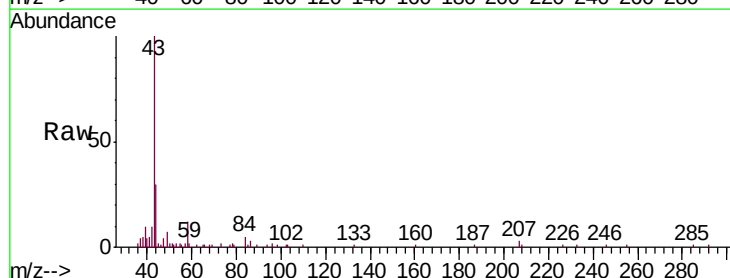
Delta R.T. 0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

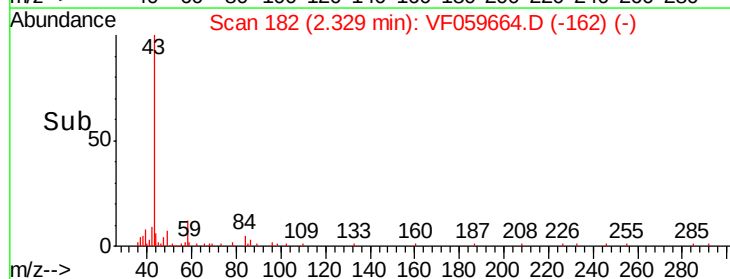
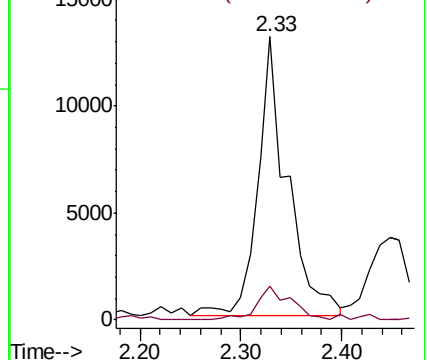
Tgt Ion: 43 Resp: 26560

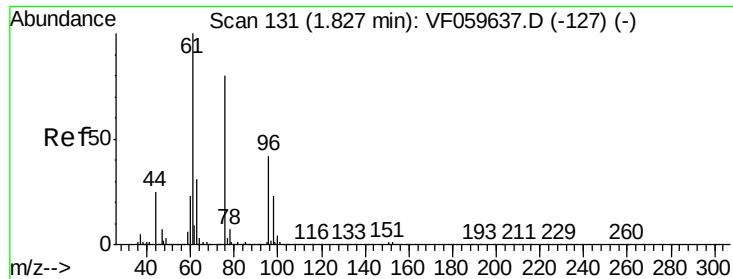
Ion	Ratio	Lower	Upper
43	100		
58	11.8	10.2	15.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

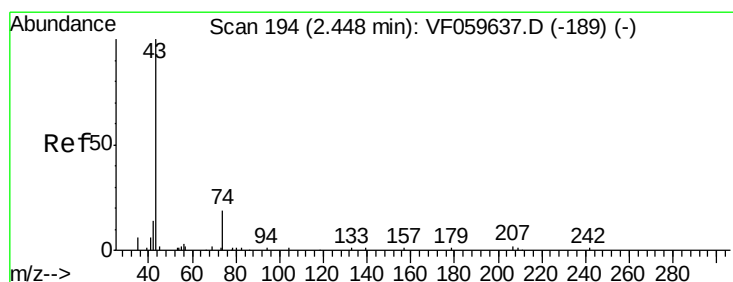
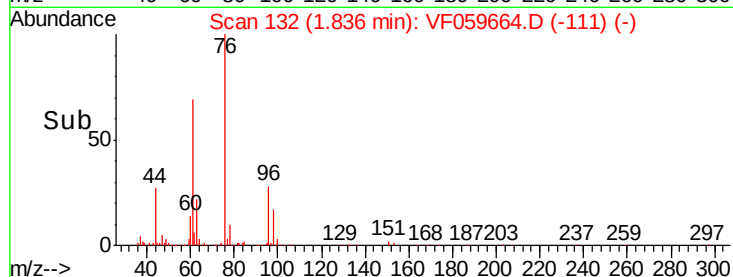
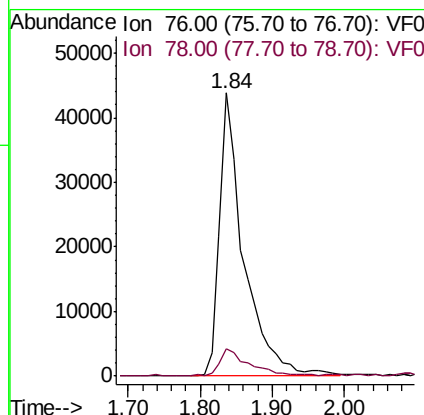
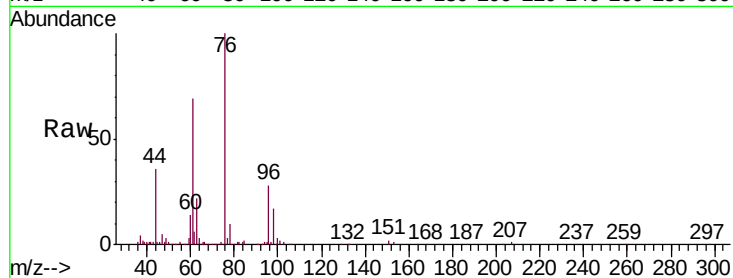




#17
Carbon Disulfide
Concen: 31.45 ug/l
RT: 1.84 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

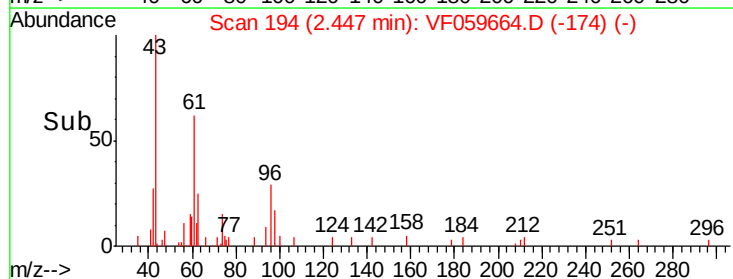
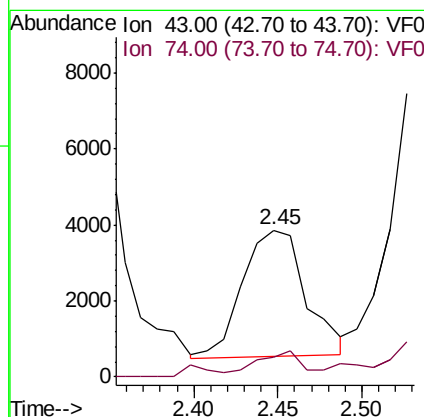
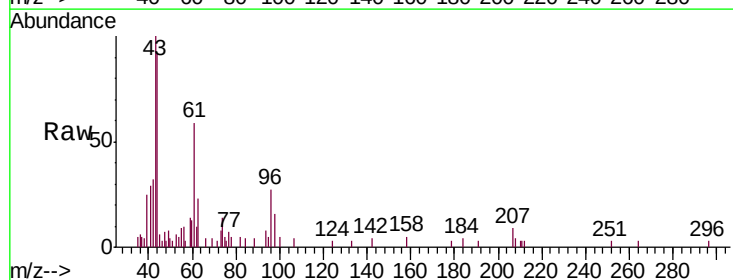
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

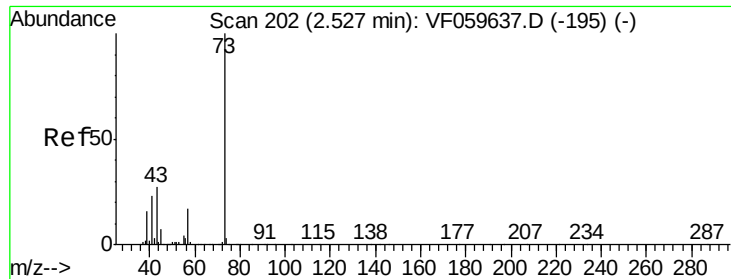
Tot Ion: 76 Resp: 101465
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 11.07 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 43 Resp: 8717
Ion Ratio Lower Upper
43 100
74 13.8 13.0 19.6

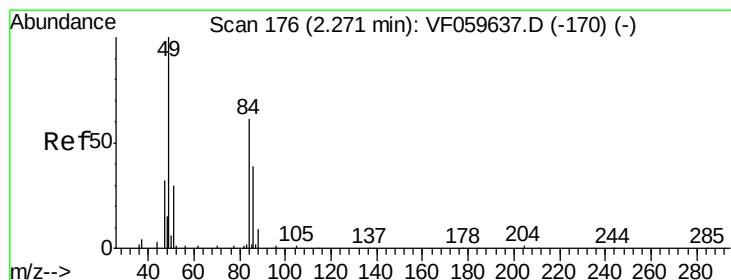
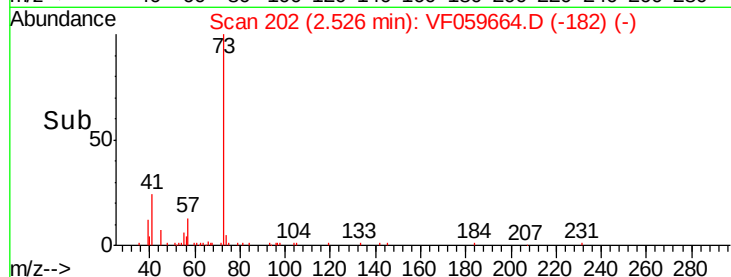
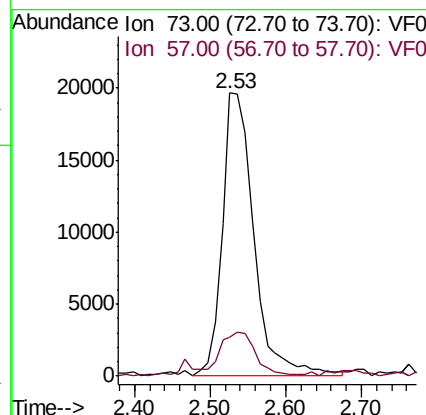
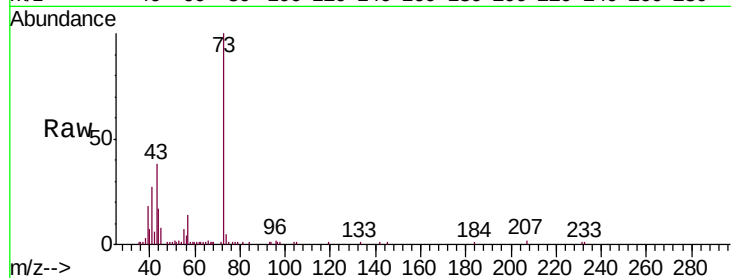




#19
Methyl tert-butyl Ether
Concen: 16.70 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

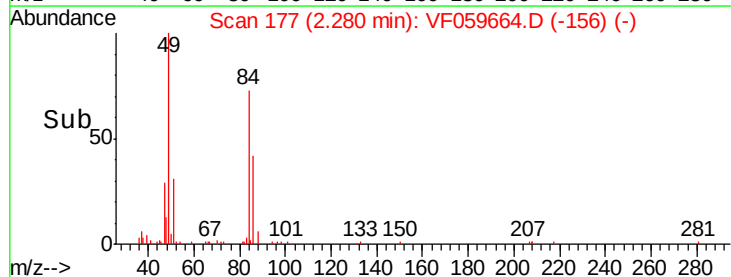
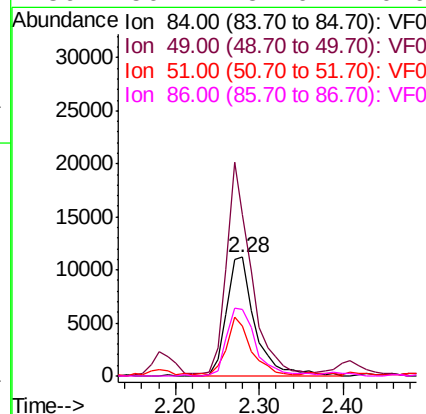
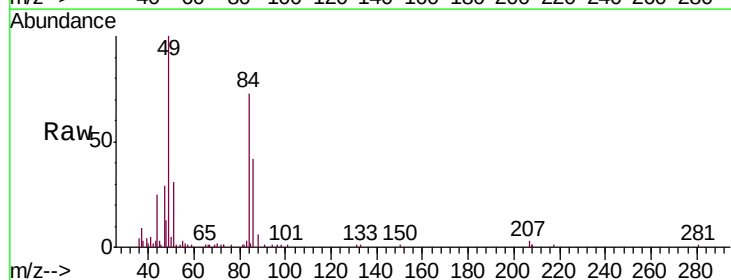
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

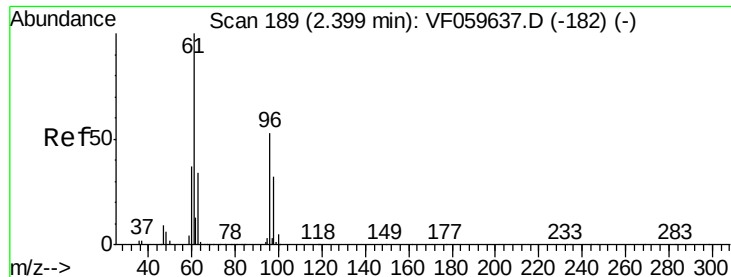
Tot Ion: 73 Resp: 57230
Ion Ratio Lower Upper
73 100
57 13.8 14.2 21.4#



#20
Methylene Chloride
Concen: 20.46 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 84 Resp: 26215
Ion Ratio Lower Upper
84 100
49 136.5 133.8 200.8
51 42.7 41.1 61.7
86 56.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 23.66 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

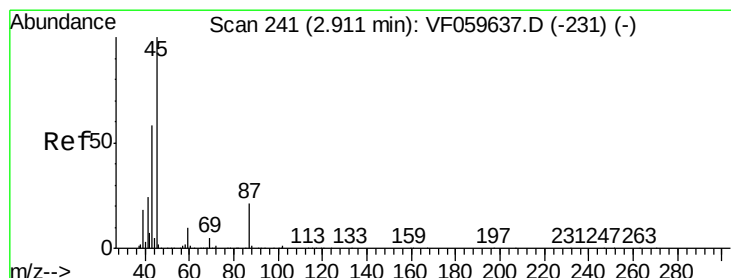
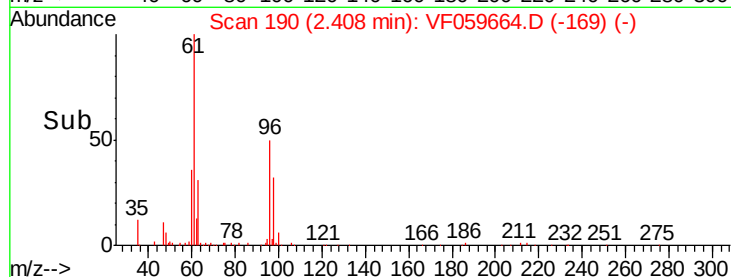
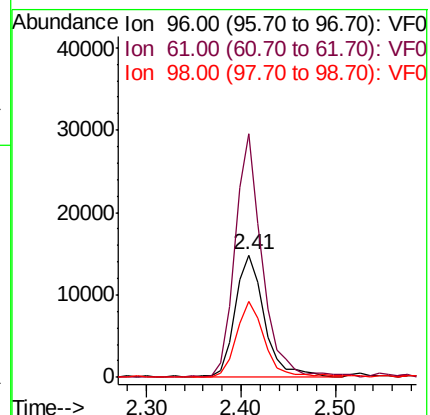
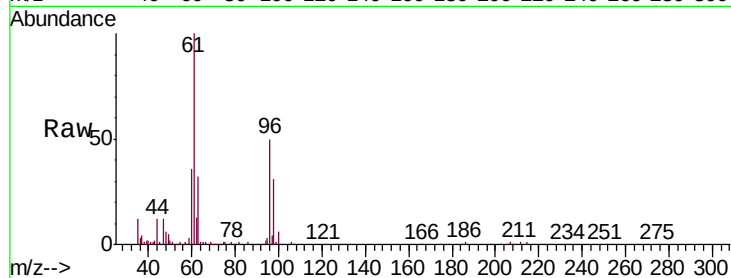
Tot Ion: 96 Resp: 32297

Ion Ratio Lower Upper

96 100

61 199.1 151.4 227.2

98 64.4 49.0 73.6



#22

Diisopropyl ether

Concen: 19.46 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Tgt Ion: 45 Resp: 84131

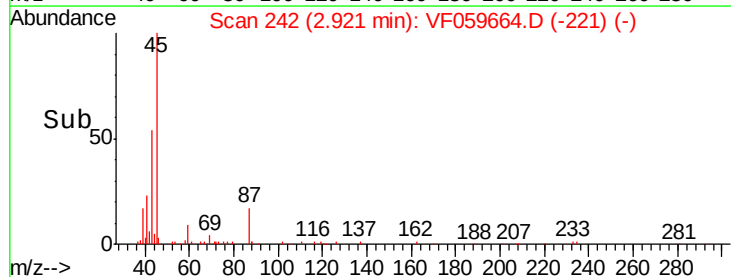
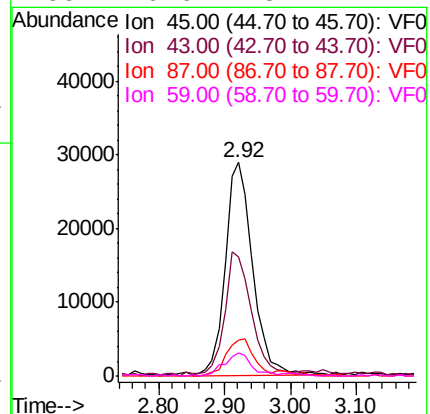
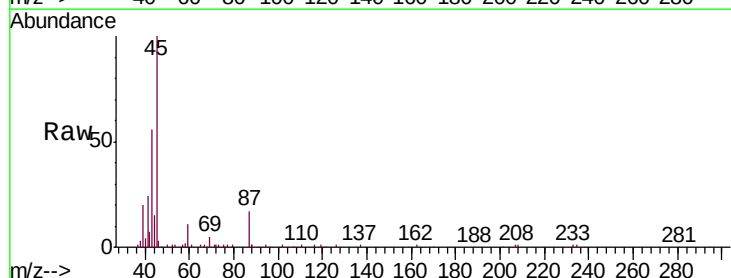
Ion Ratio Lower Upper

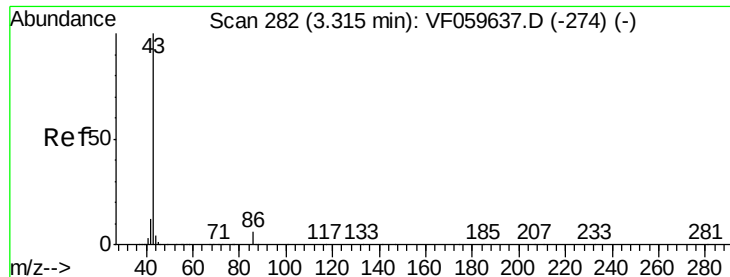
45 100

43 55.7 46.5 69.7

87 16.7 16.5 24.7

59 10.6 8.2 12.2





#23

Vinyl Acetate

Concen: 73.88 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

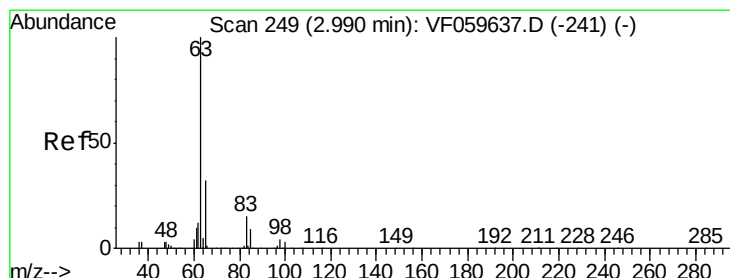
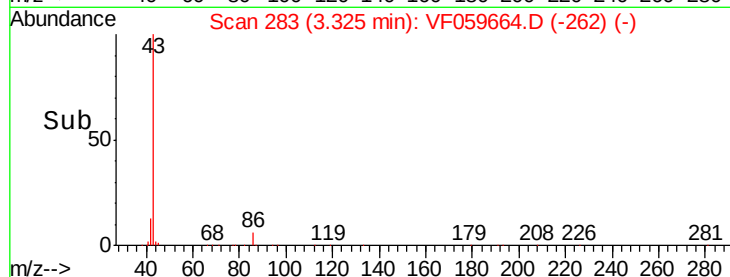
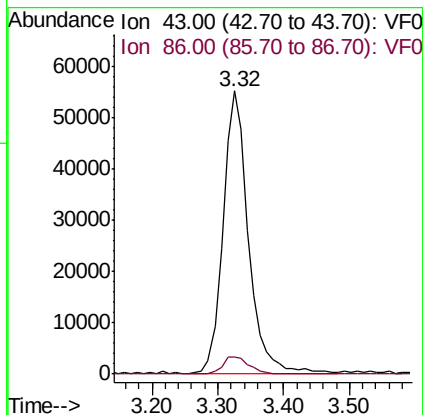
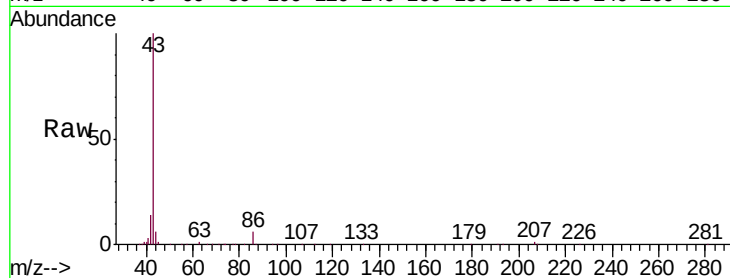
VF0725SBS01

Tot Ion: 43 Resp: 147316

Ion Ratio Lower Upper

43 100

86 6.1 4.5 6.7



#24

1,1-Dichloroethane

Concen: 21.17 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

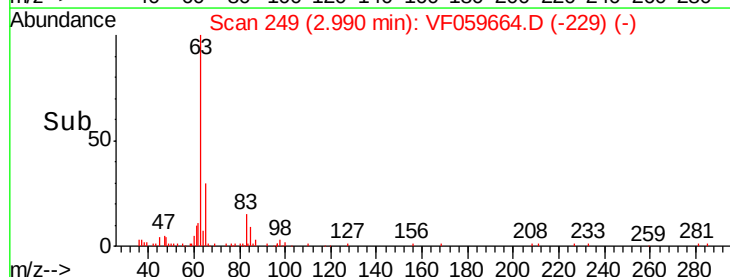
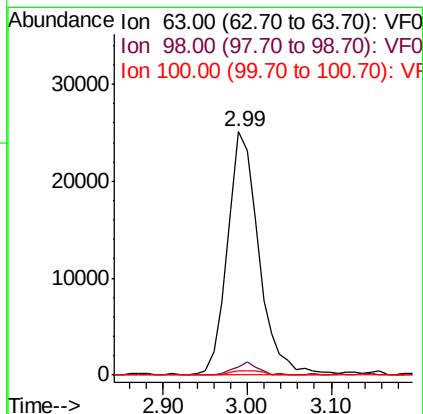
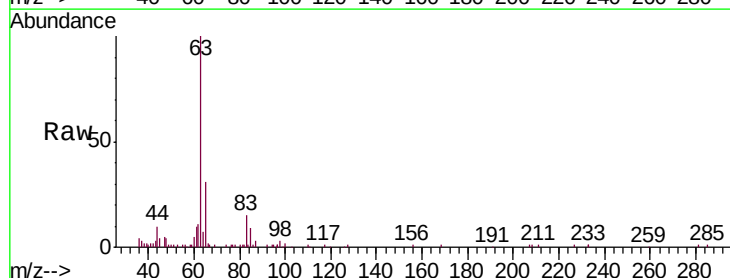
Tgt Ion: 63 Resp: 65109

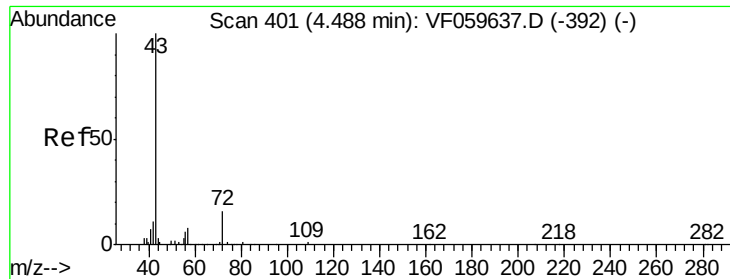
Ion Ratio Lower Upper

63 100

98 3.1 1.8 5.5

100 1.6 1.3 3.9





#25

2-Butanone

Concen: 86.52 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

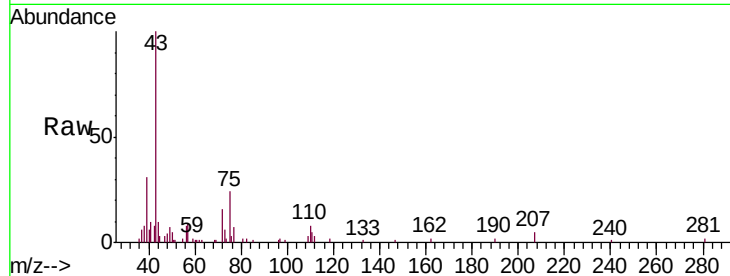
VF0725SBS01

Tot Ion: 43 Resp: 43023

Ion Ratio Lower Upper

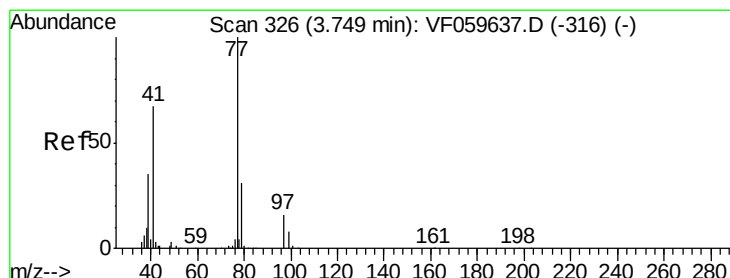
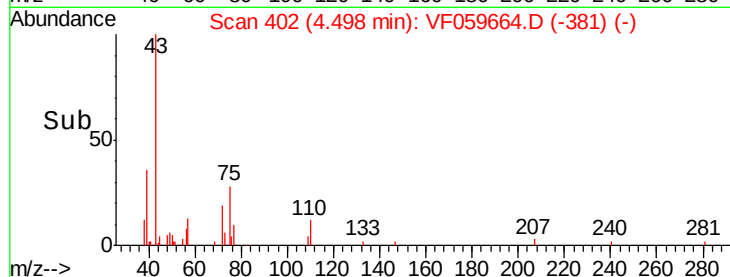
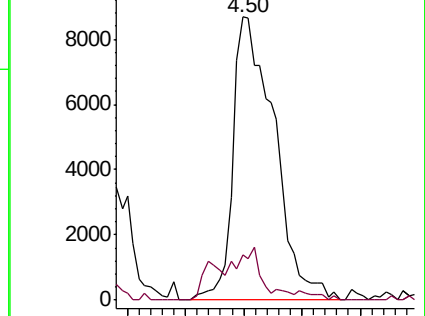
43 100

72 15.9 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 30.54 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059664.D

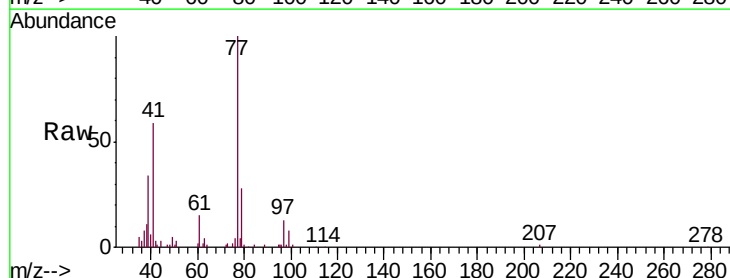
Acq: 25 Jul 2018 18:12

Tgt Ion: 77 Resp: 72097

Ion Ratio Lower Upper

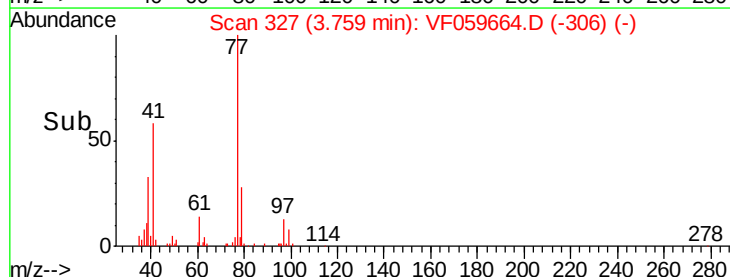
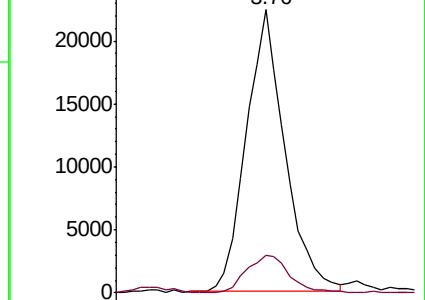
77 100

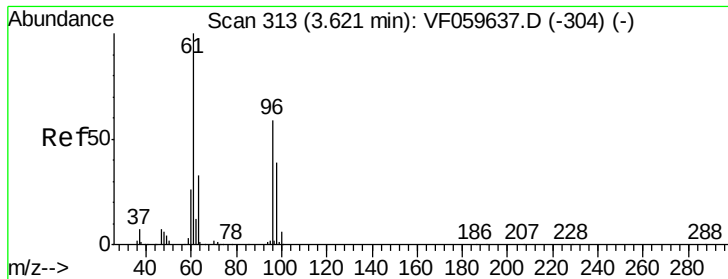
97 13.2 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



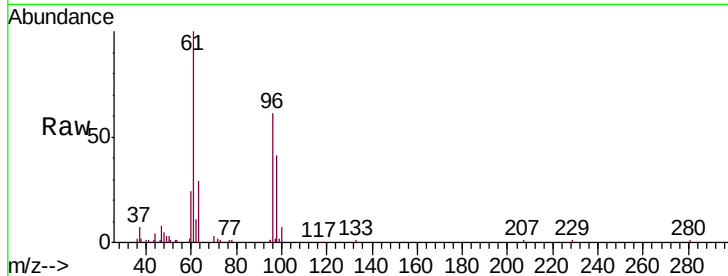


#27

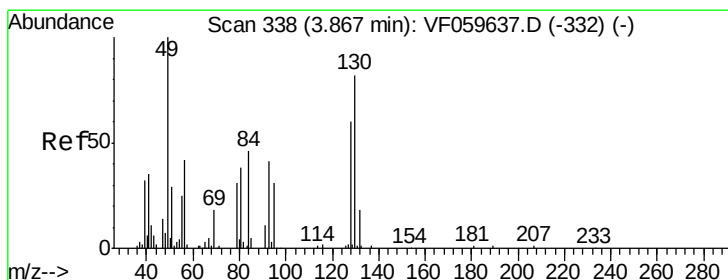
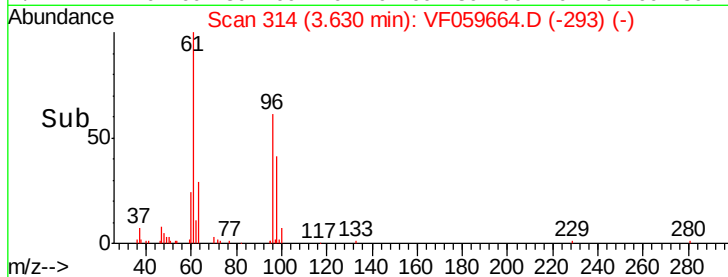
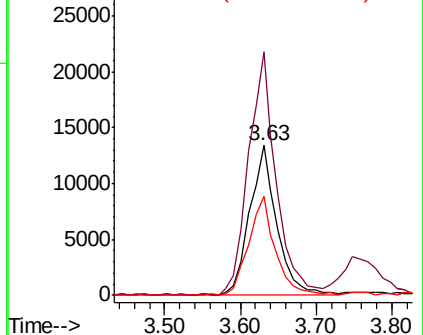
cis-1,2-Dichloroethene
Concen: 20.23 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	337.4
98	66.0	0.0	132.8



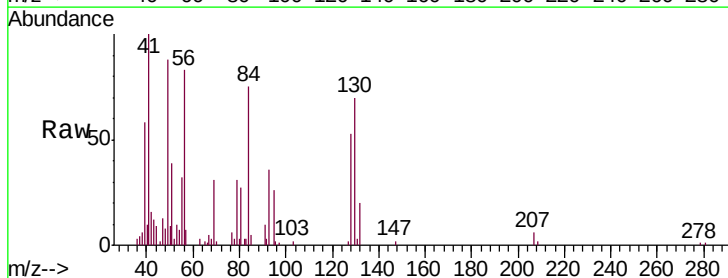
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



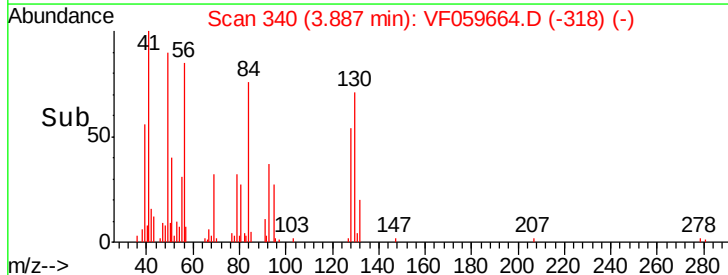
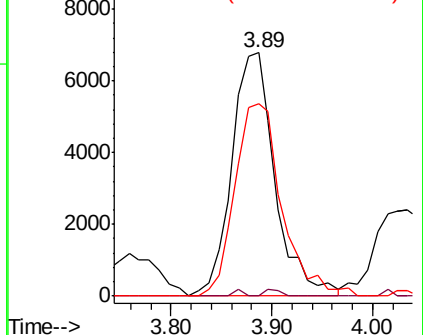
#28

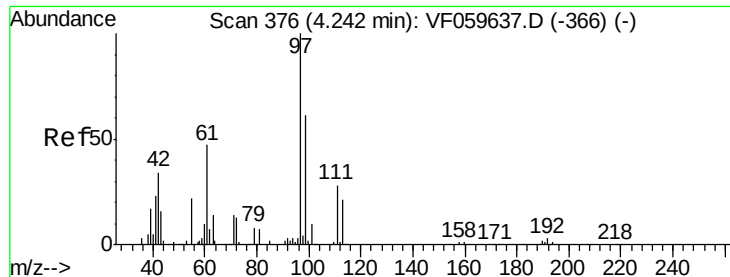
Bromochloromethane
Concen: 17.44 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	78.9	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: 56.17 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

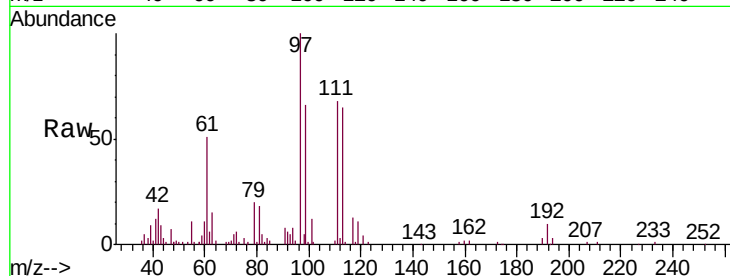
Tot Ion: 42 Resp: 13184

Ion Ratio Lower Upper

42 100

72 35.4 30.0 45.0

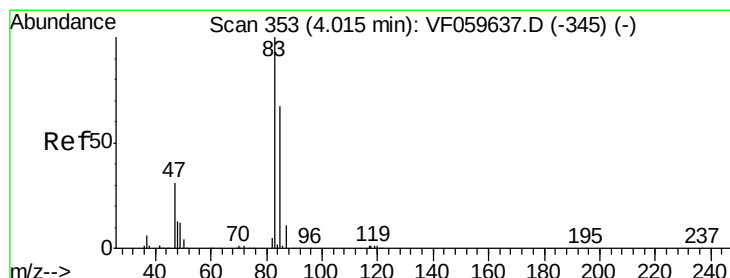
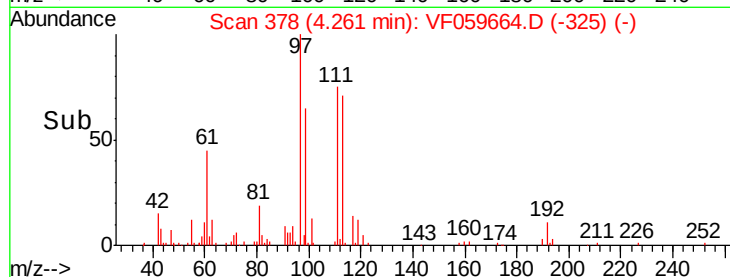
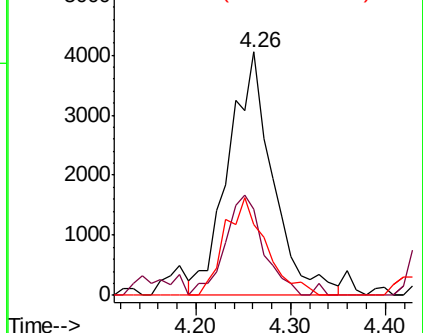
71 37.4 28.6 42.8



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: 18.82 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF059664.D

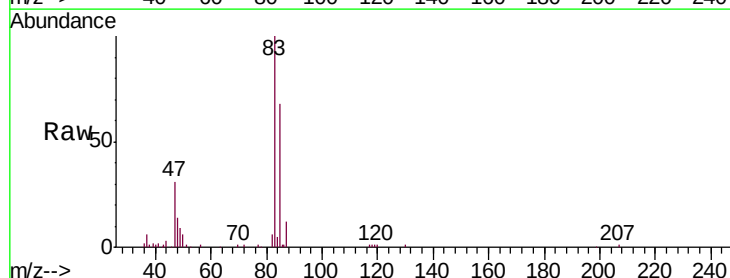
Acq: 25 Jul 2018 18:12

Tgt Ion: 83 Resp: 80263

Ion Ratio Lower Upper

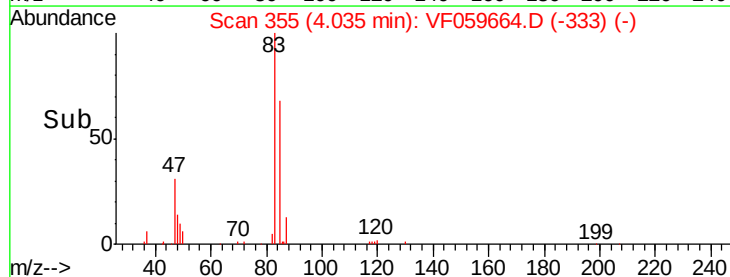
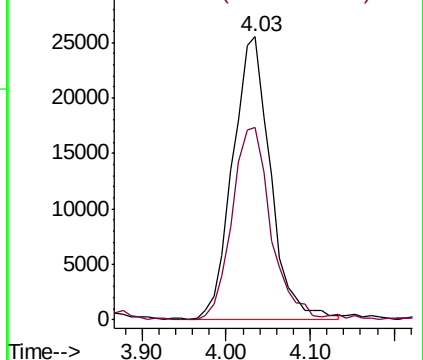
83 100

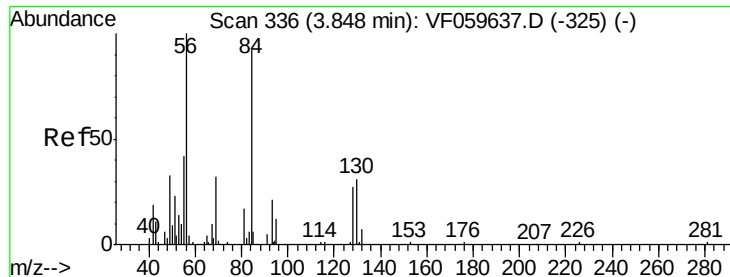
85 68.6 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 28.65 ug/l

RT: 3.85 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

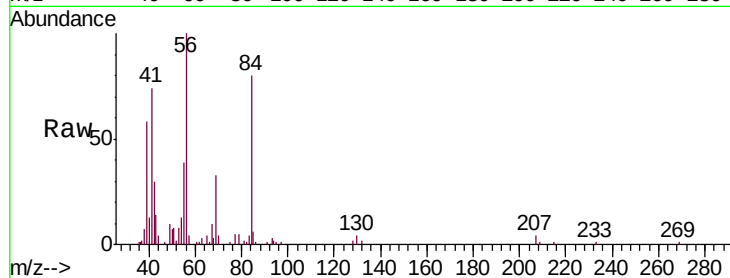
Tot Ion: 56 Resp: 51279

Ion Ratio Lower Upper

56 100

69 33.0 26.0 39.0

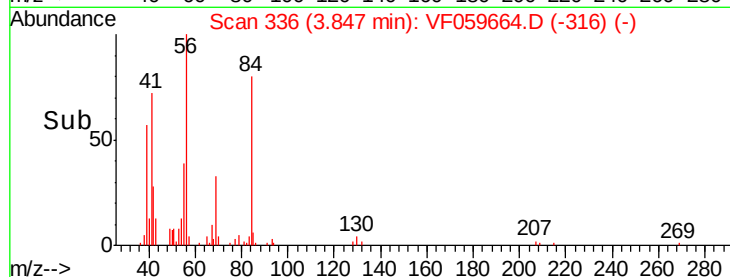
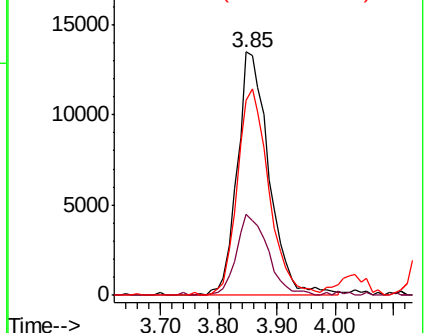
84 80.2 73.5 110.3



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: 25.06 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

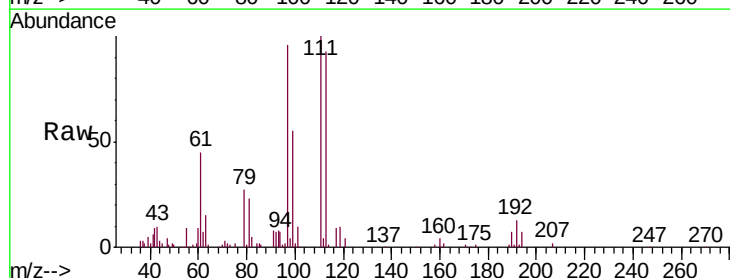
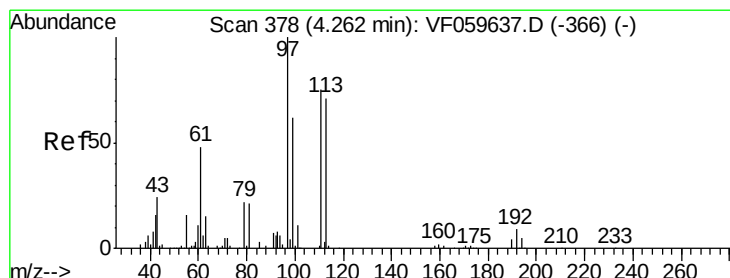
Tgt Ion: 97 Resp: 91121

Ion Ratio Lower Upper

97 100

99 58.0 49.8 74.6

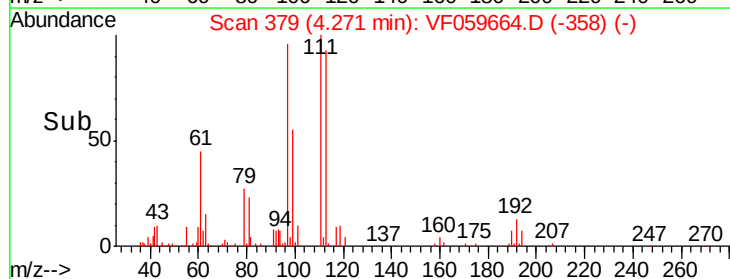
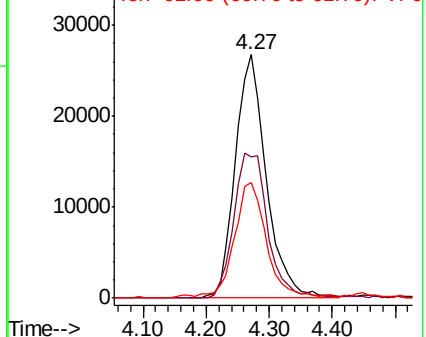
61 47.4 38.9 58.3

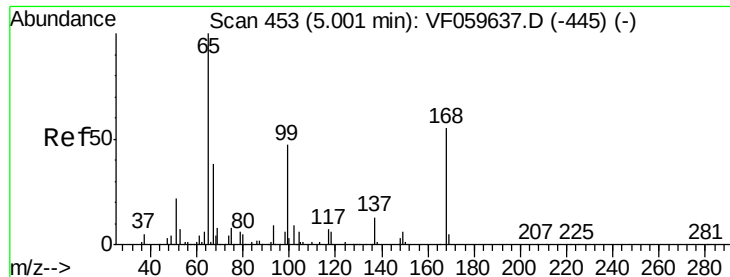


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 36.14 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

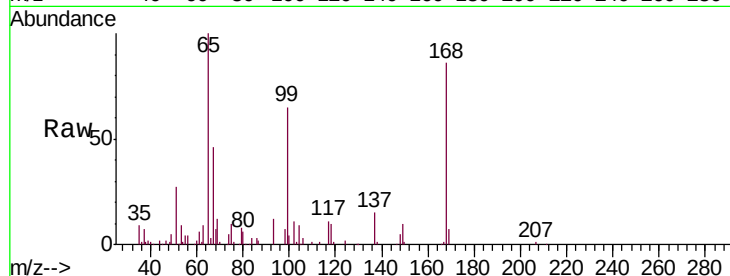
VF0725SBS01

Tot Ion: 65 Resp: 95685

Ion Ratio Lower Upper

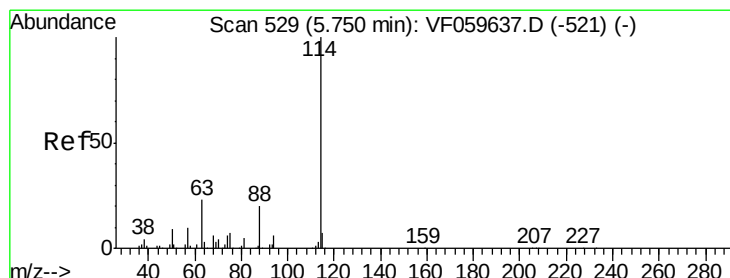
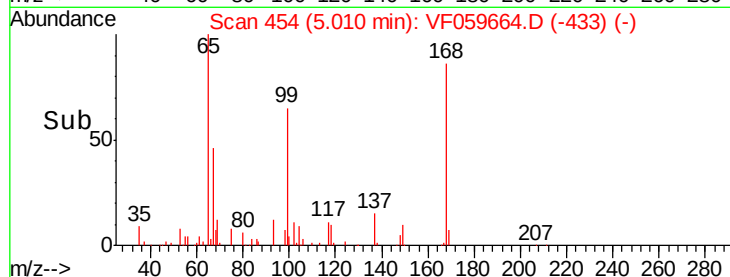
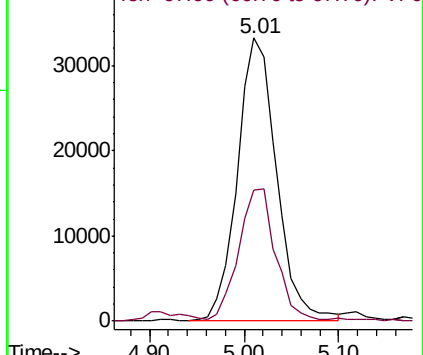
65 100

67 46.3 0.0 86.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

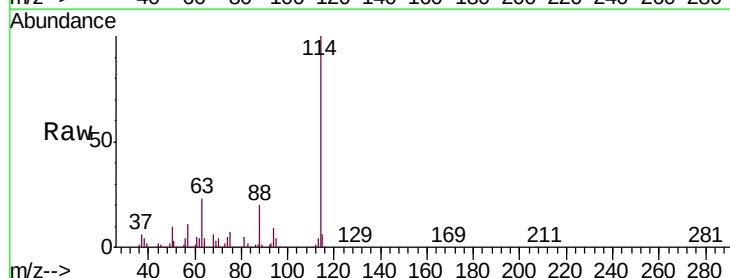
Tgt Ion: 114 Resp: 247457

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

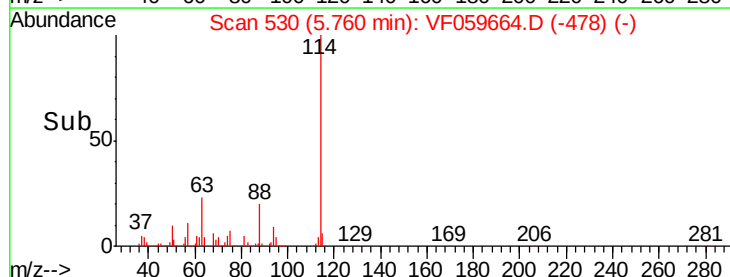
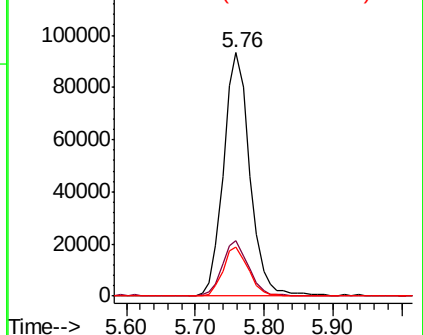
88 20.1 0.0 40.8

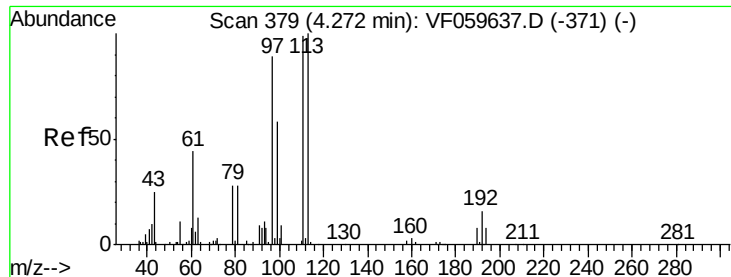


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

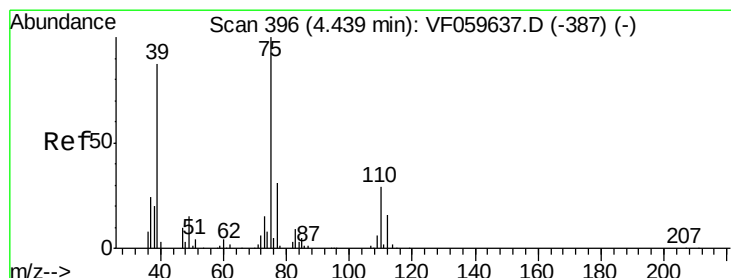
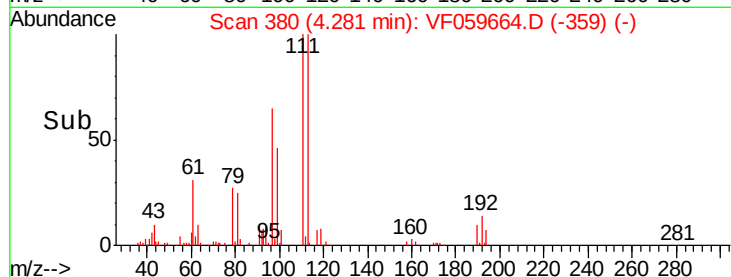
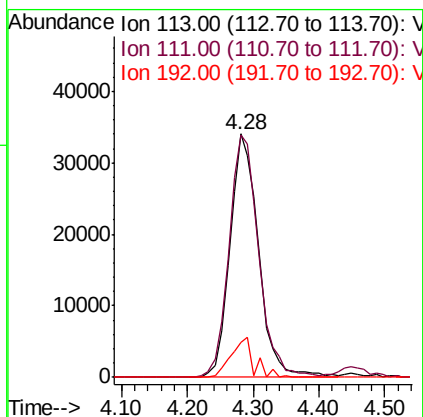
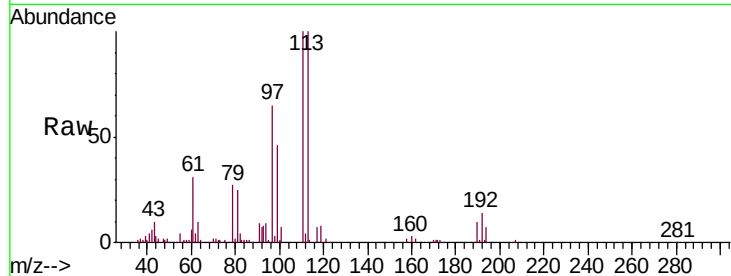




#35
 Dibromofluoromethane
 Concen: 46.55 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

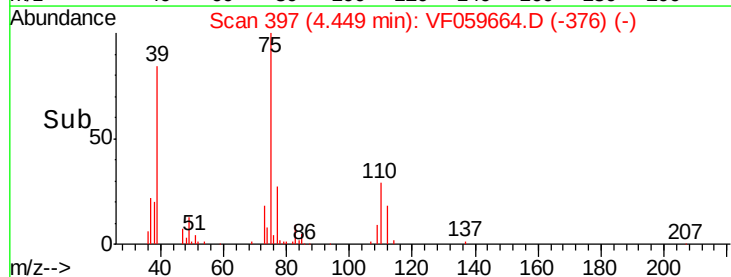
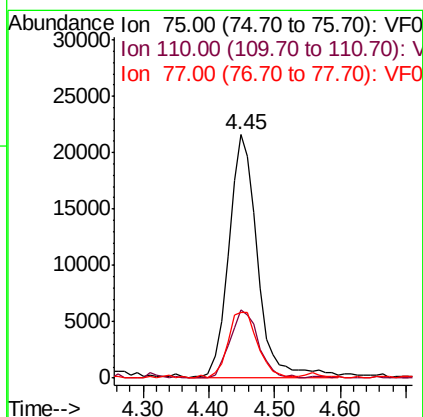
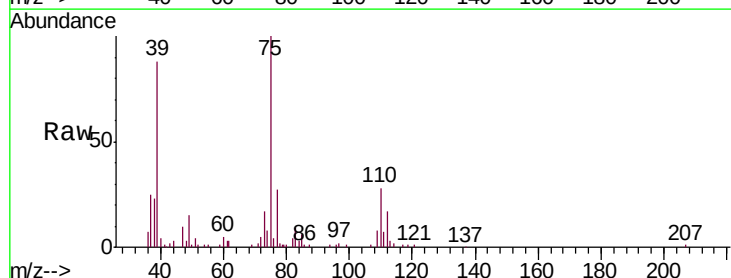
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

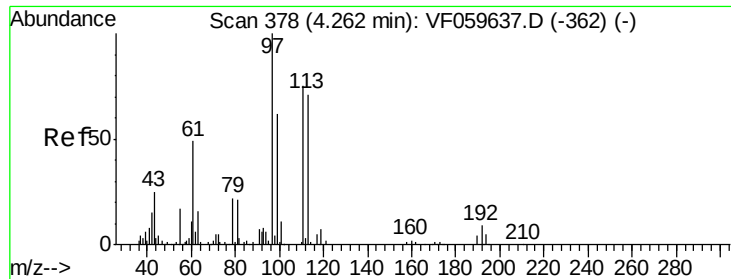
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.7	79.3	118.9
192	14.3	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 26.37 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.8	14.6	43.8
77	26.7	24.4	36.6

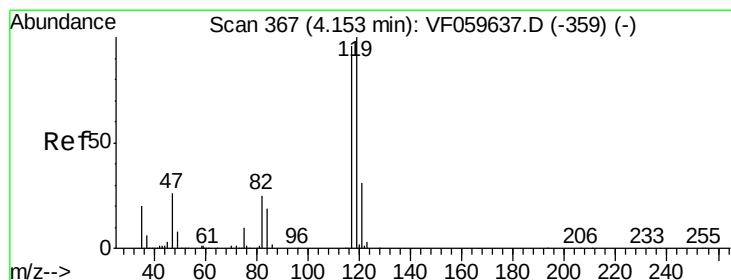
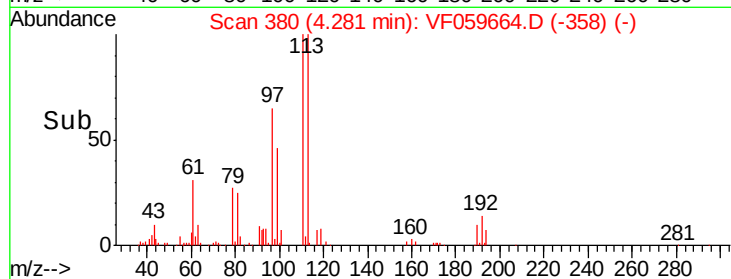
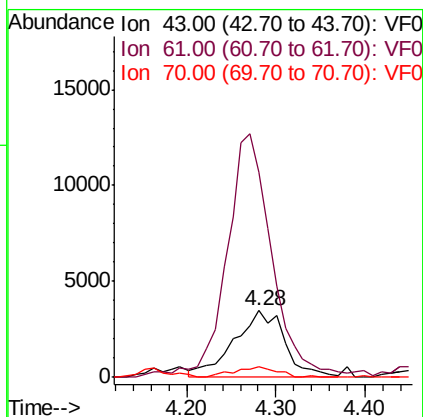
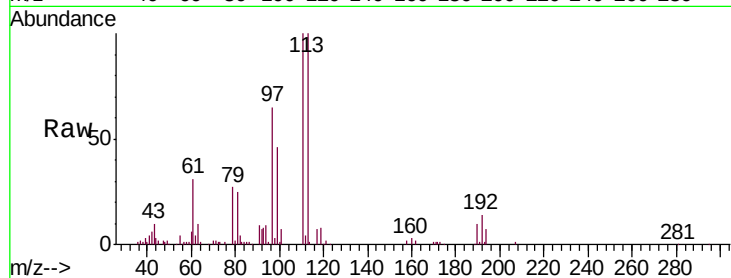




#37
Ethyl Acetate
Concen: 12.31 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

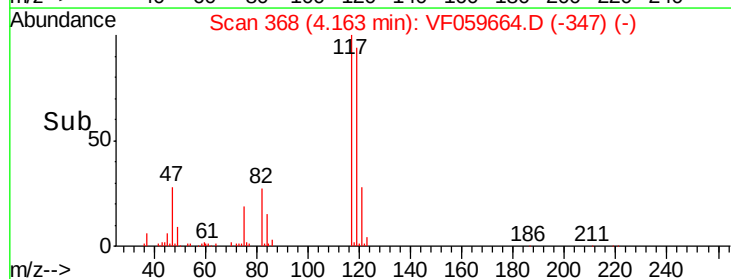
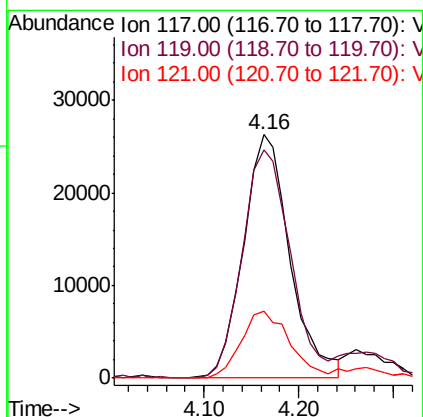
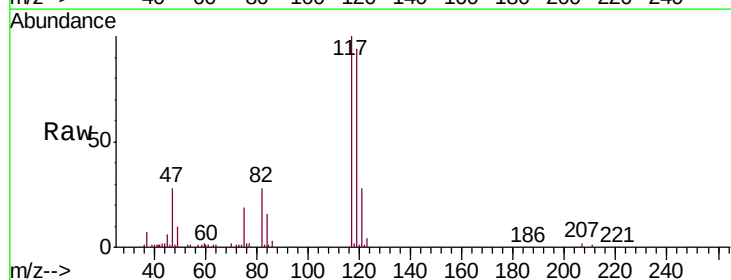
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

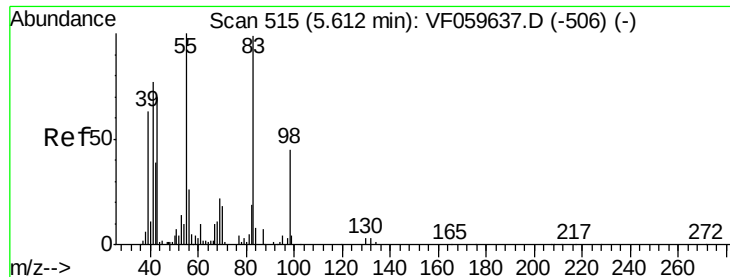
Tot Ion: 43 Resp: 13652
Ion Ratio Lower Upper
43 100
61 308.5 156.6 234.8#
70 15.1 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 25.76 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 117 Resp: 90143
Ion Ratio Lower Upper
117 100
119 93.5 83.0 124.6
121 27.5 26.2 39.4

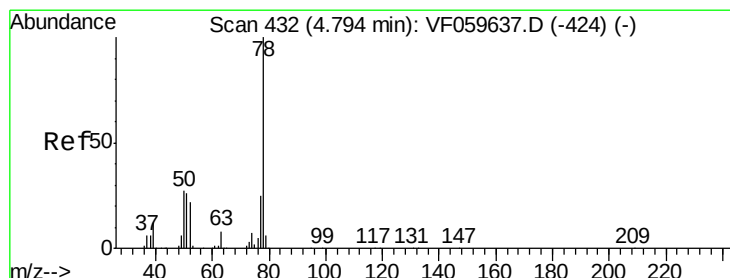
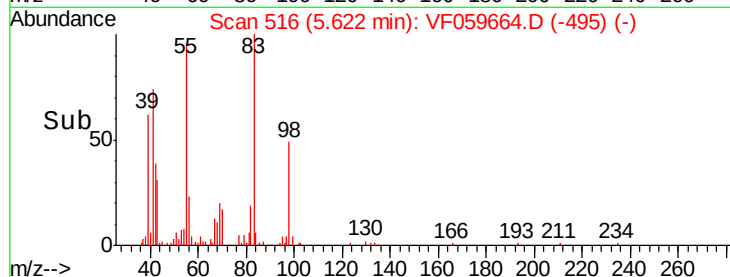
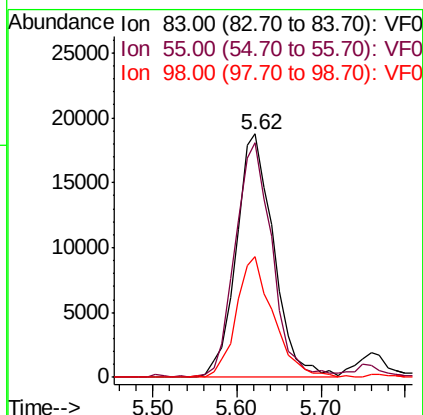
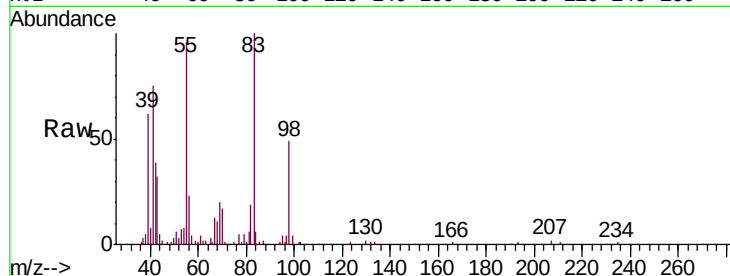




#39
Methylcyclohexane
Concen: 28.34 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

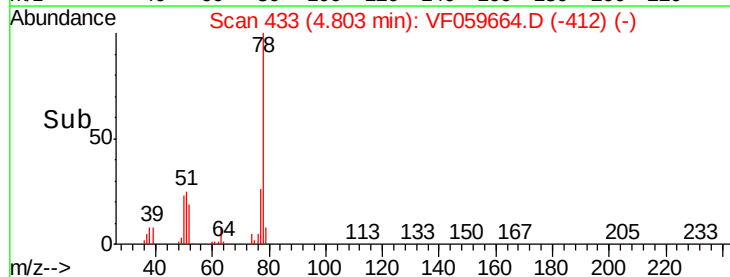
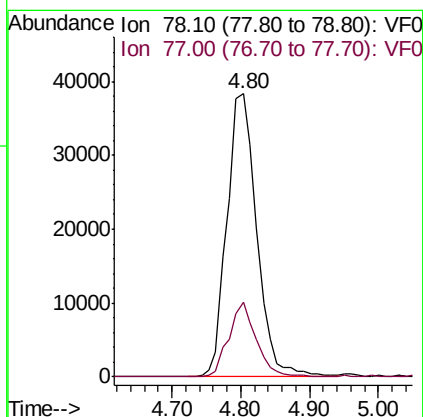
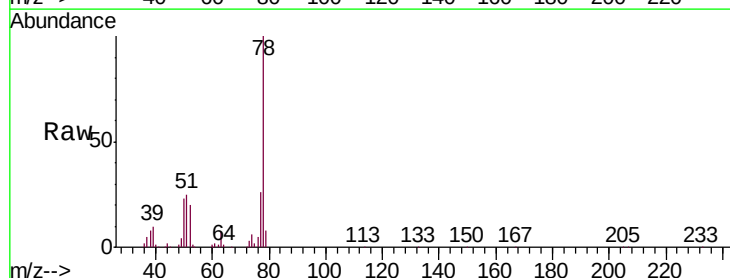
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

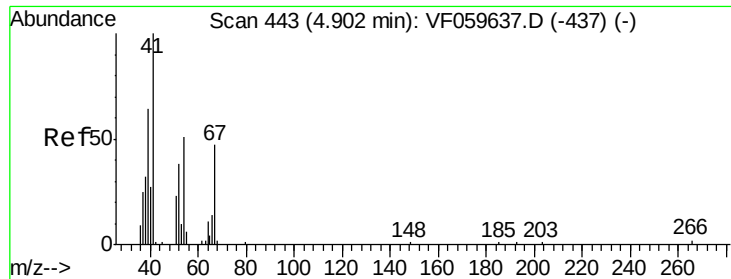
Tot Ion: 83 Resp: 58266
Ion Ratio Lower Upper
83 100
55 96.4 81.5 122.3
98 49.4 36.7 55.1



#40
Benzene
Concen: 24.62 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 78 Resp: 115476
Ion Ratio Lower Upper
78 100
77 26.4 19.8 29.6

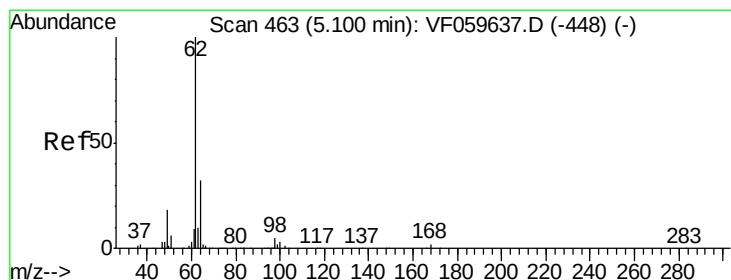
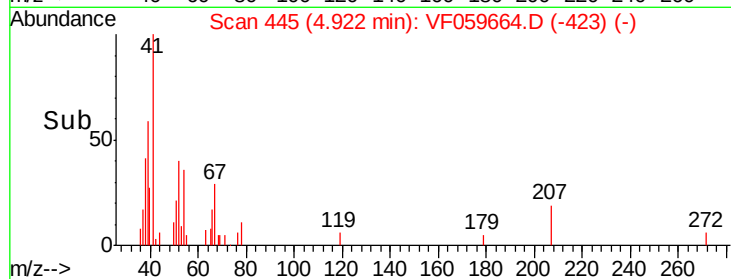
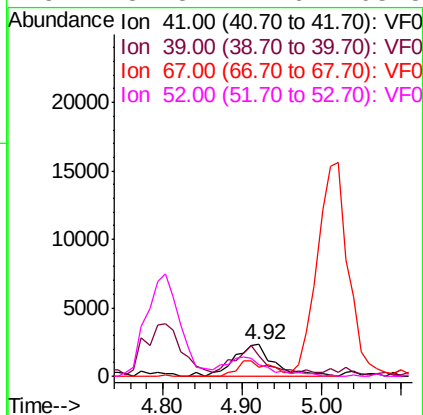
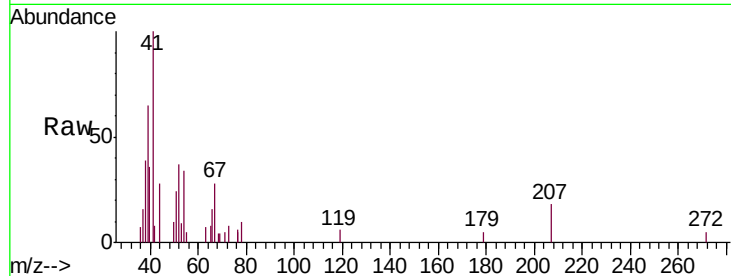




#41
Methacrylonitrile
Concen: 16.93 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

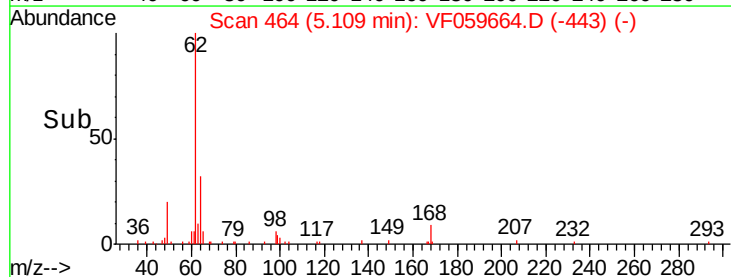
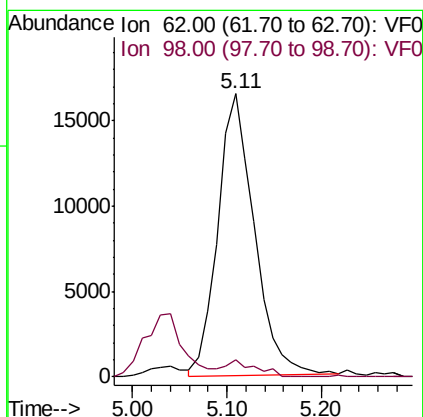
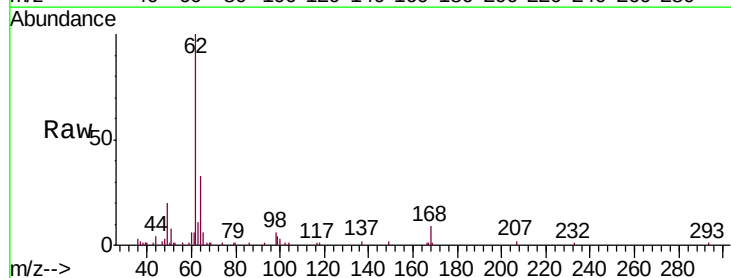
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

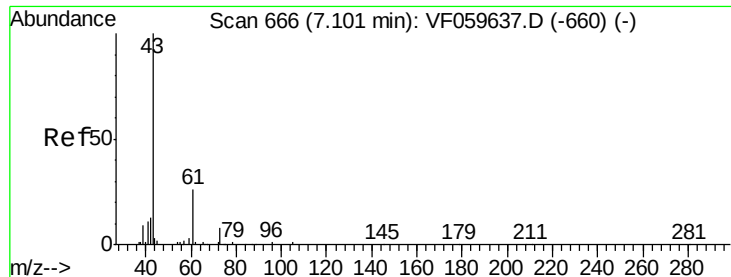
Tot Ion:	41	Resp:	8031
Ion	Ratio	Lower	Upper
41	100		
39	65.1	56.9	85.3
67	27.7	36.6	54.8#
52	37.3	42.6	63.8#



#42
1,2-Dichloroethane
Concen: 15.84 ug/l
RT: 5.11 min Scan# 464
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion:	62	Resp:	44016
Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	10.6





#43

Isopropyl Acetate

Concen: 12.68 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

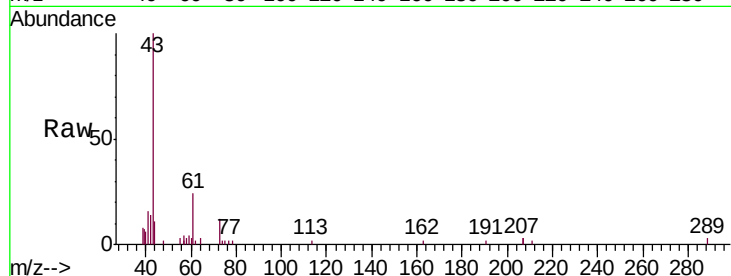
Tot Ion: 43 Resp: 14136

Ion Ratio Lower Upper

43 100

61 24.1 20.5 30.7

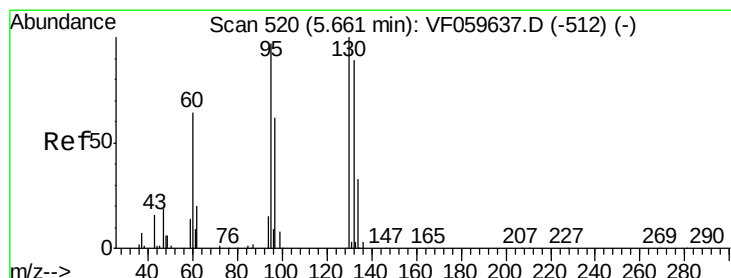
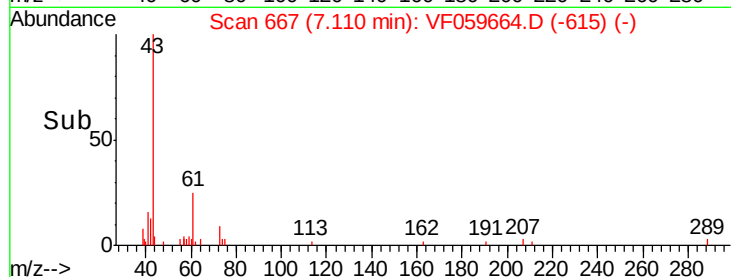
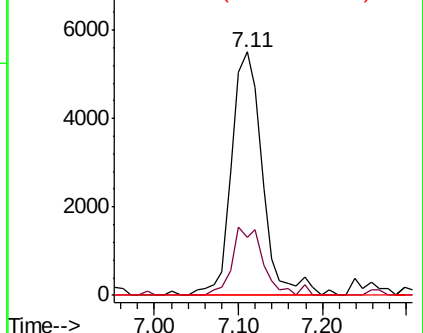
87 0.0 0.4 0.6#



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: 25.62 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF059664.D

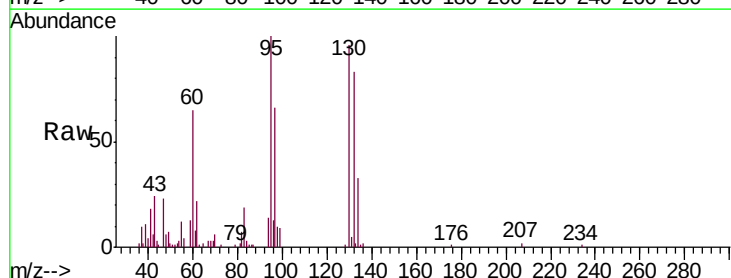
Acq: 25 Jul 2018 18:12

Tgt Ion:130 Resp: 44355

Ion Ratio Lower Upper

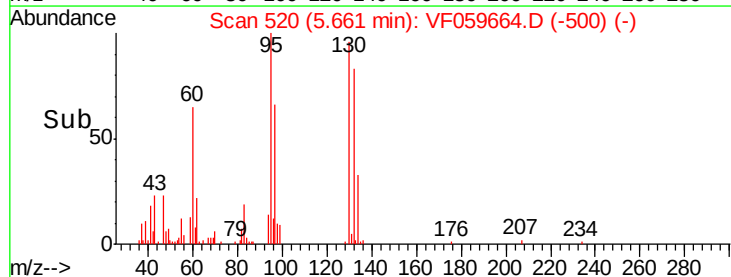
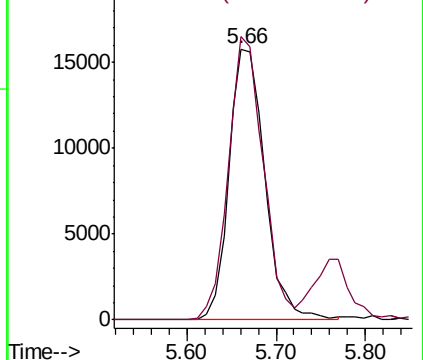
130 100

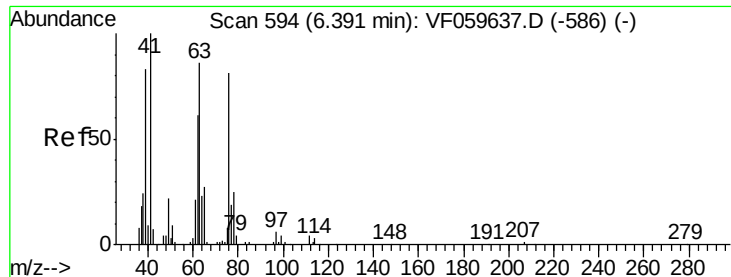
95 104.6 0.0 193.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 18.56 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

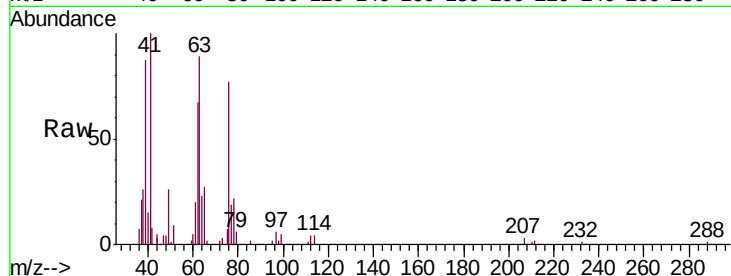
VF0725SBS01

Tot Ion: 63 Resp: 22033

Ion Ratio Lower Upper

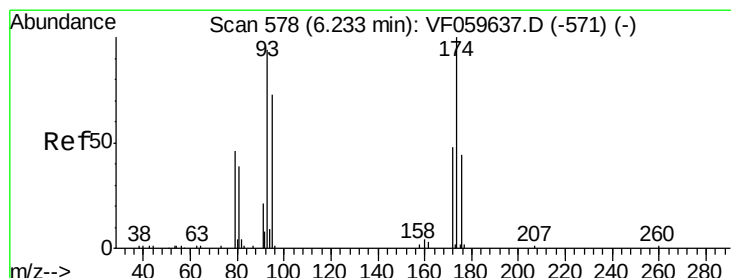
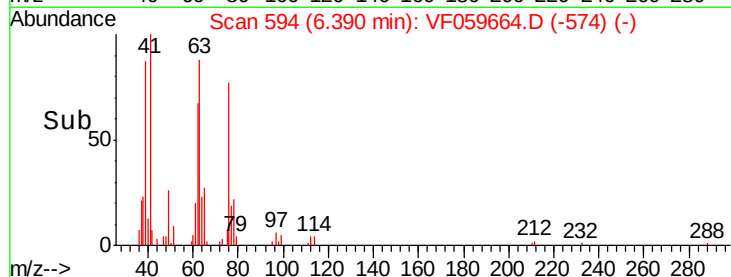
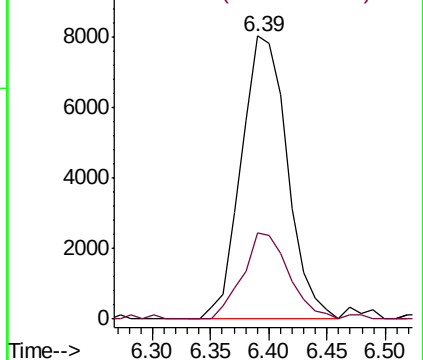
63 100

65 30.3 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 15.33 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

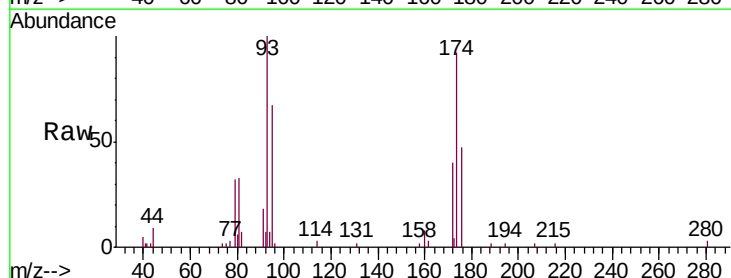
Tgt Ion: 93 Resp: 15371

Ion Ratio Lower Upper

93 100

95 67.3 63.1 94.7

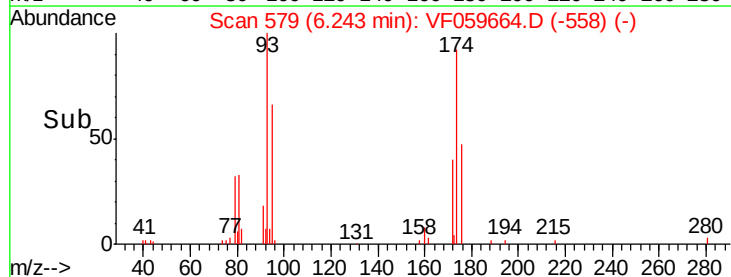
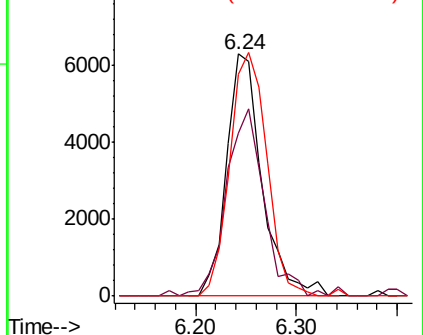
174 91.9 85.3 127.9

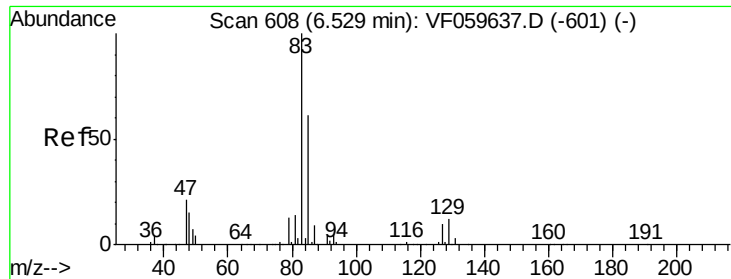


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 18.11 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.02 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

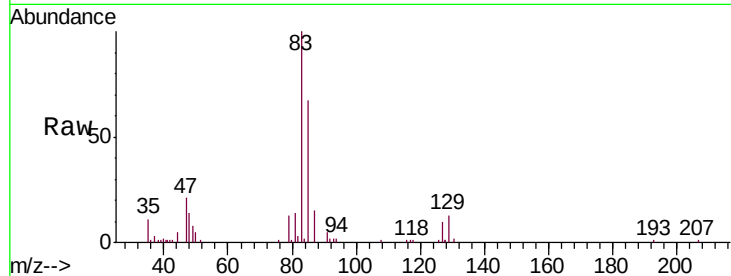
Tot Ion: 83 Resp: 53099

Ion Ratio Lower Upper

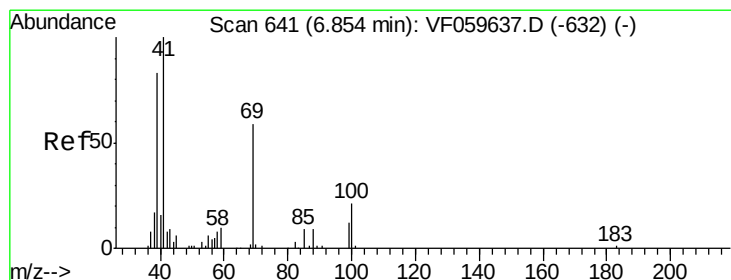
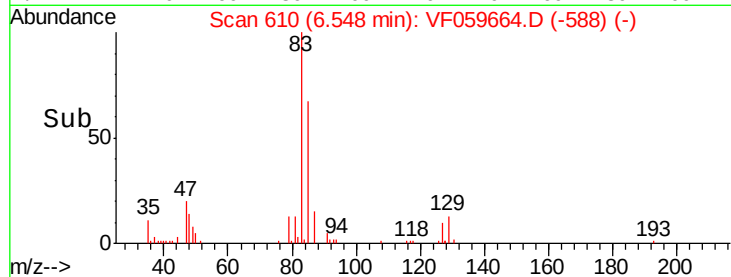
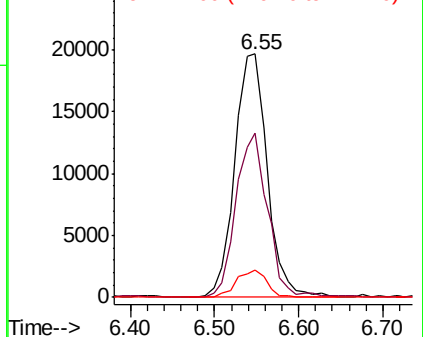
83 100

85 67.2 48.6 72.8

127 11.3 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: 11.99 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

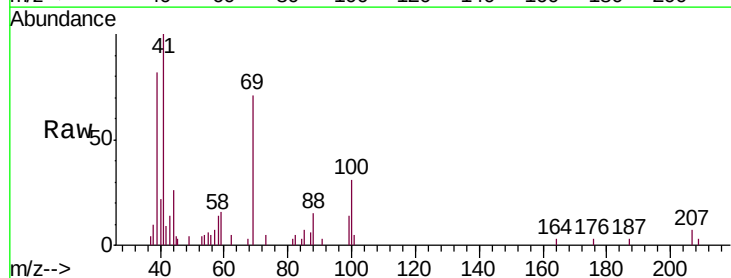
Tgt Ion: 41 Resp: 9841

Ion Ratio Lower Upper

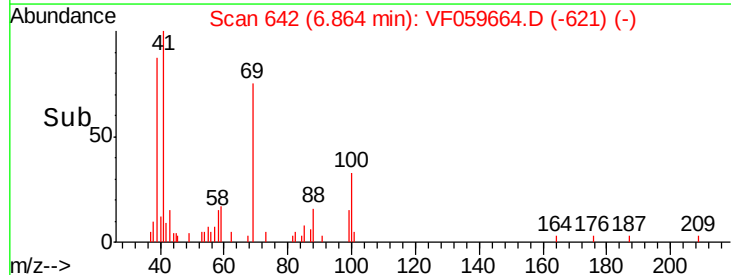
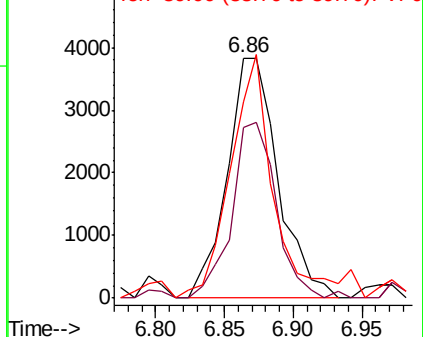
41 100

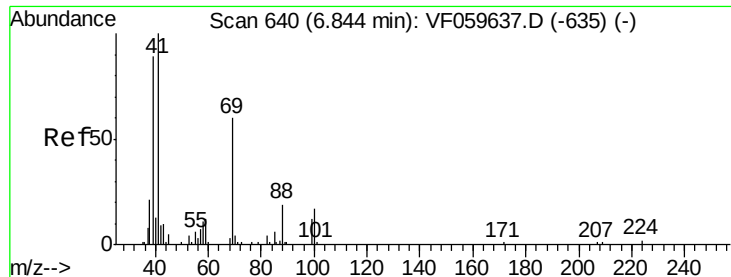
69 71.0 47.5 71.3

39 81.7 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

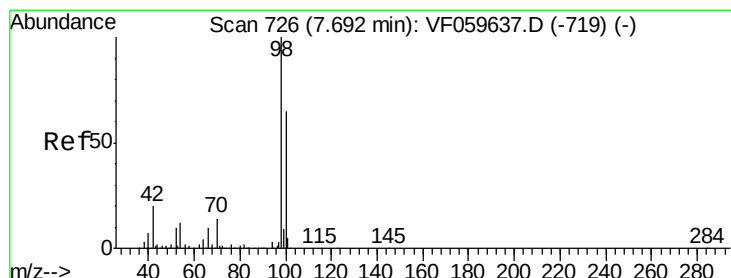
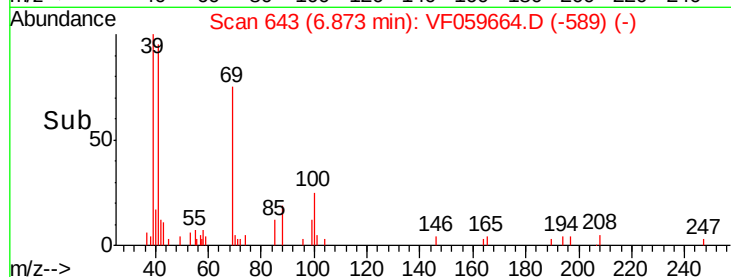
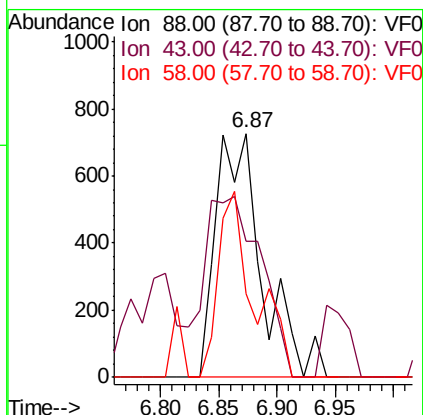
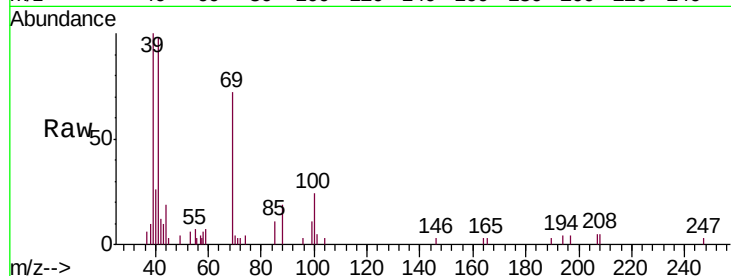




#49
 1,4-Dioxane
 Concen: 315.68 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. 0.03 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

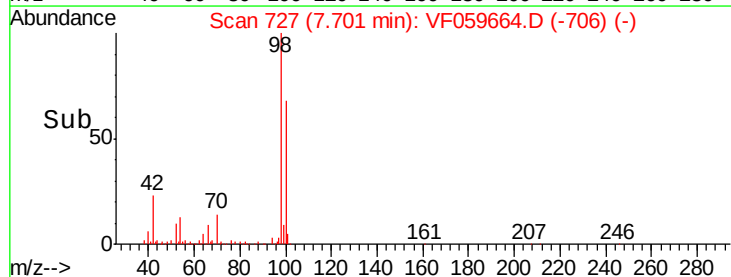
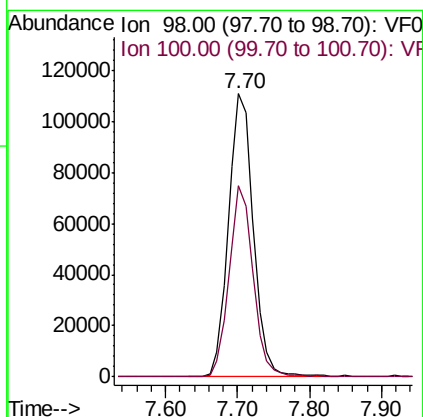
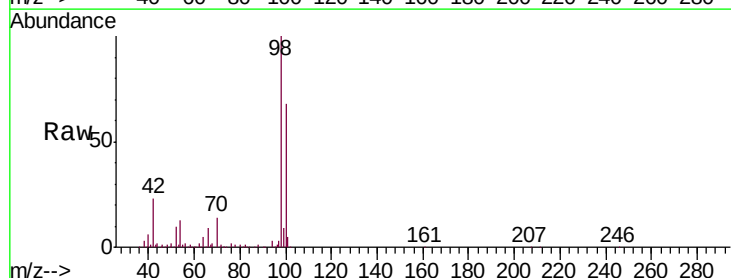
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

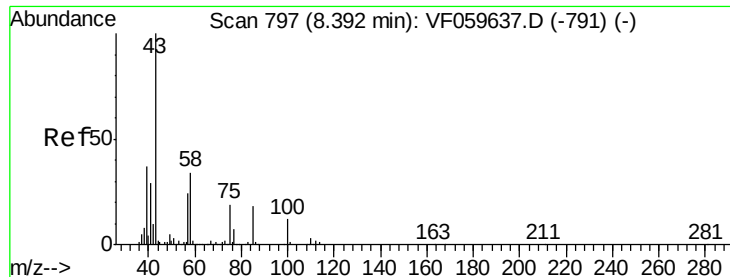
Tot Ion: 88 Resp: 1994
 Ion Ratio Lower Upper
 88 100
 43 55.6 45.3 67.9
 58 34.3 47.7 71.5#



#50
 Toluene-d8
 Concen: 49.20 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

Tgt Ion: 98 Resp: 267064
 Ion Ratio Lower Upper
 98 100
 100 67.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 64.86 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

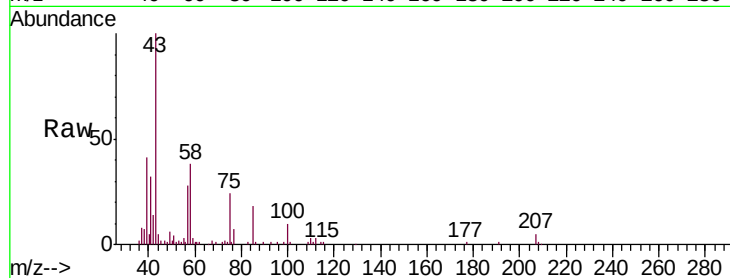
VF0725SBS01

Tot Ion: 43 Resp: 53157

Ion Ratio Lower Upper

43 100

58 38.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

25000

20000

15000

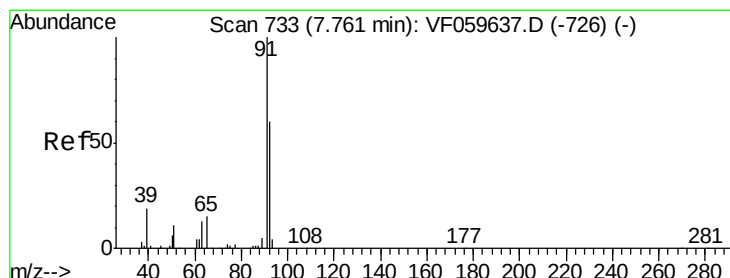
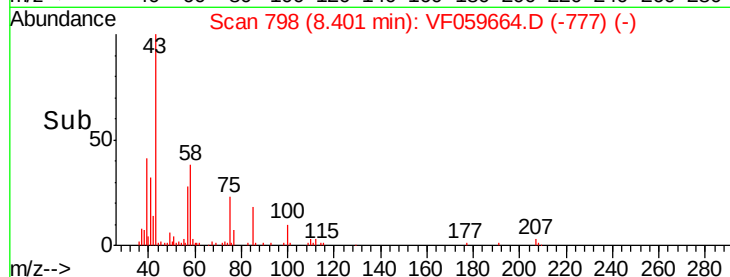
10000

5000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 22.90 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059664.D

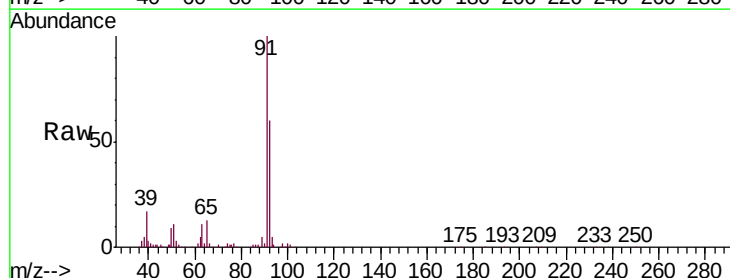
Acq: 25 Jul 2018 18:12

Tgt Ion: 92 Resp: 75326

Ion Ratio Lower Upper

92 100

91 165.3 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

50000

40000

30000

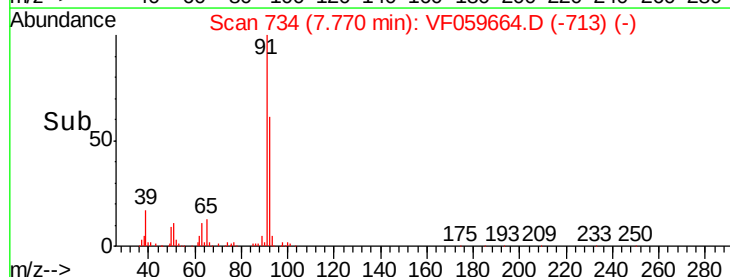
20000

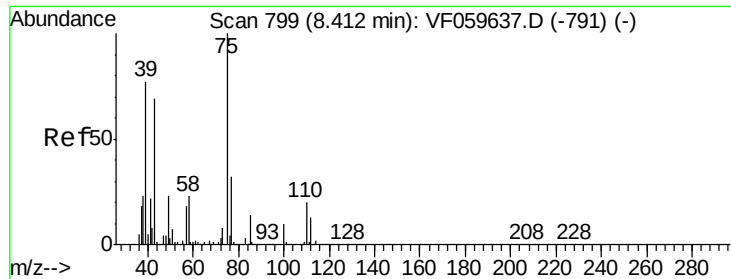
10000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.52 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

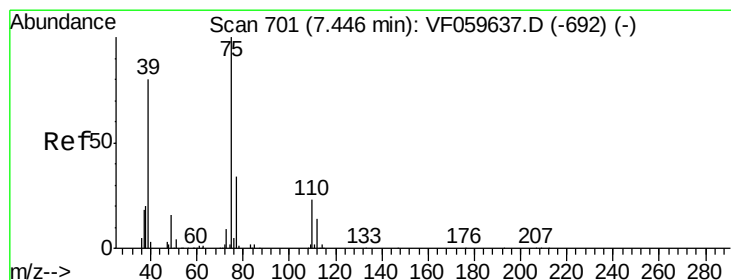
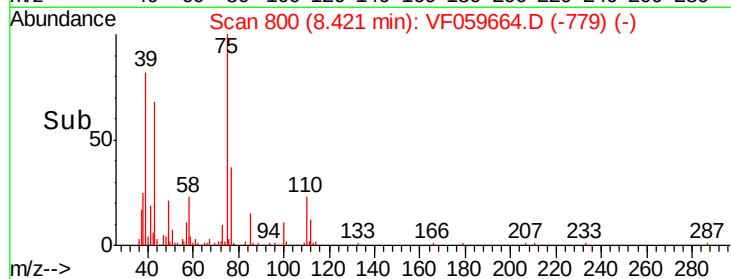
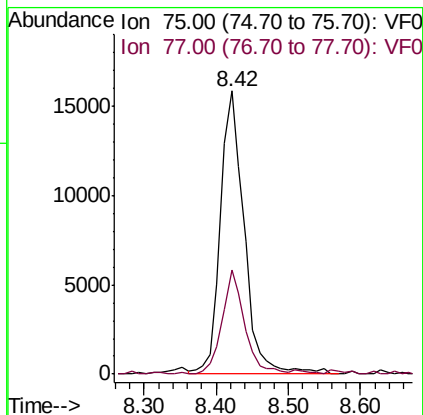
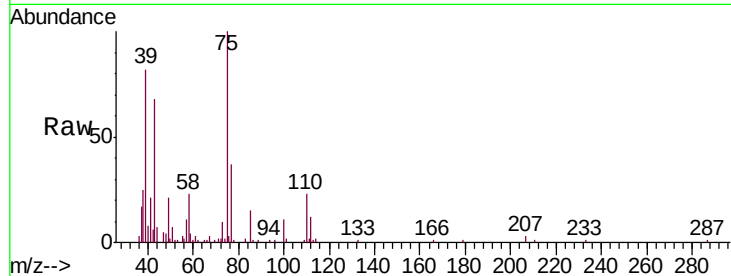
VF0725SBS01

Tot Ion: 75 Resp: 36273

Ion Ratio Lower Upper

75 100

77 36.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.21 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

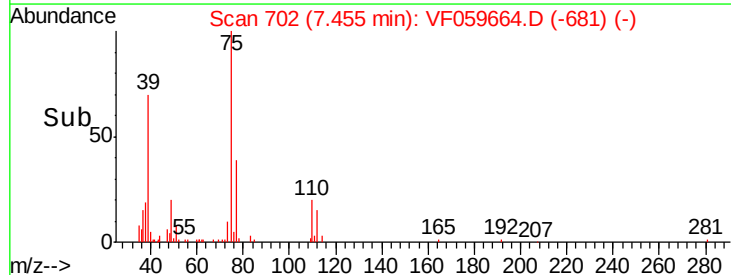
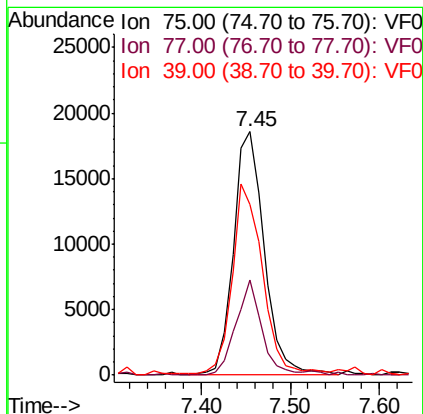
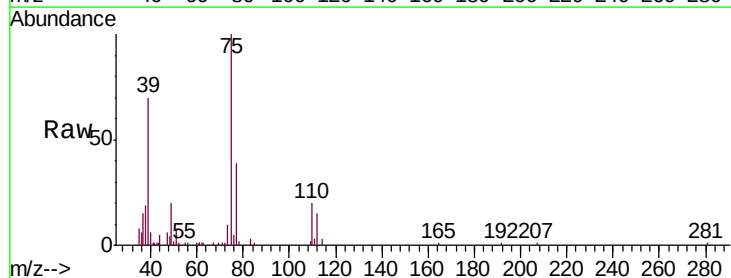
Tgt Ion: 75 Resp: 44993

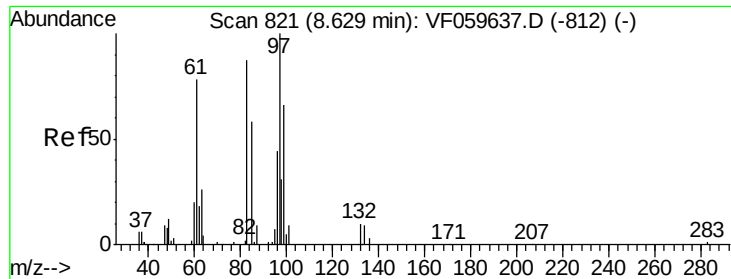
Ion Ratio Lower Upper

75 100

77 39.0 27.5 41.3

39 70.2 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 15.67 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

Tot Ion: 97 Resp: 16386

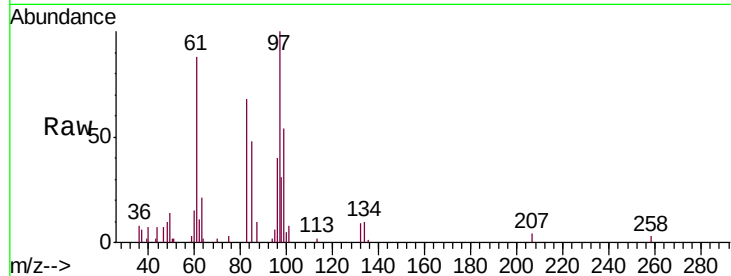
Ion Ratio Lower Upper

97 100

83 68.3 69.5 104.3#

85 48.4 46.0 69.0

99 54.1 53.2 79.8

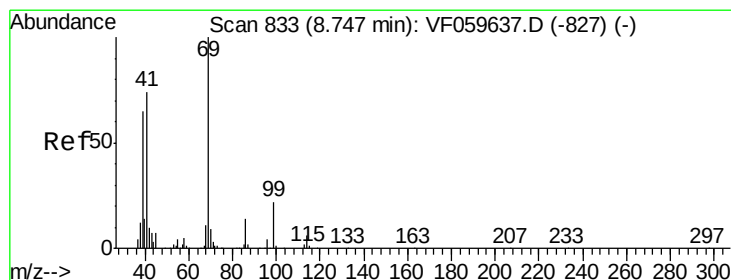
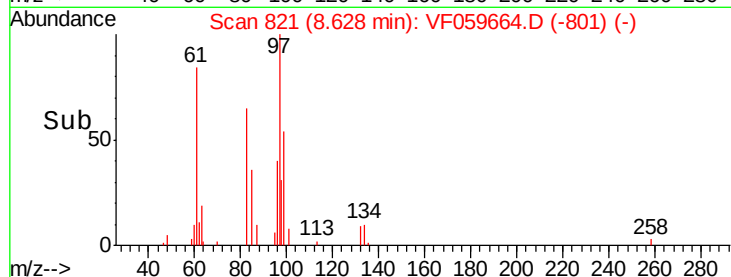
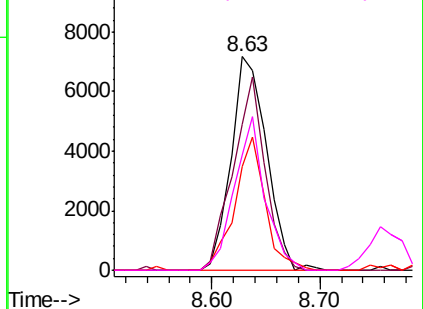


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 12.17 ug/l

RT: 8.76 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

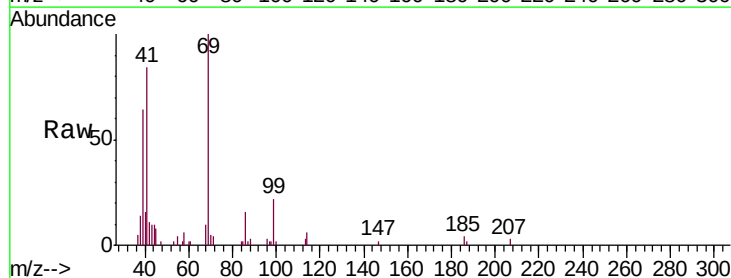
Tgt Ion: 69 Resp: 13602

Ion Ratio Lower Upper

69 100

41 84.2 59.1 88.7

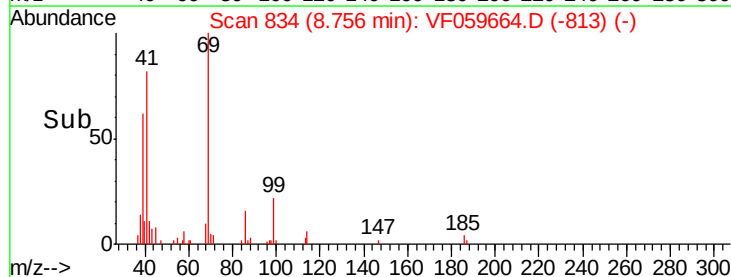
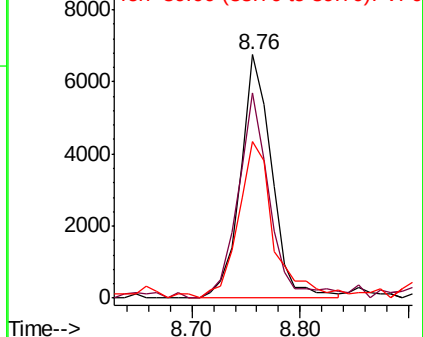
39 64.2 52.4 78.6

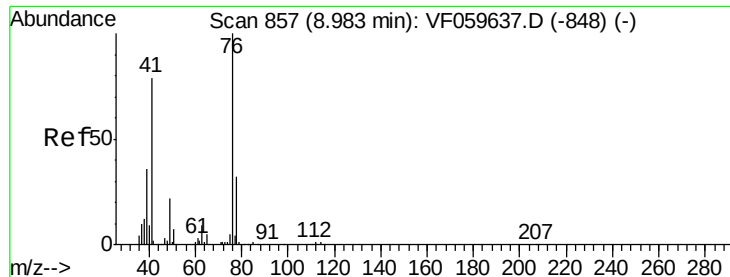


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 16.25 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

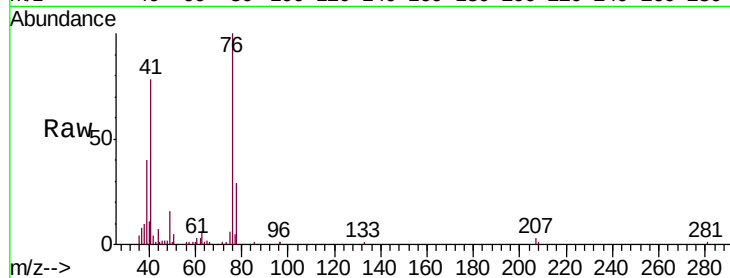
VF0725SBS01

Tot Ion: 76 Resp: 29086

Ion Ratio Lower Upper

76 100

78 28.8 25.5 38.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

15000

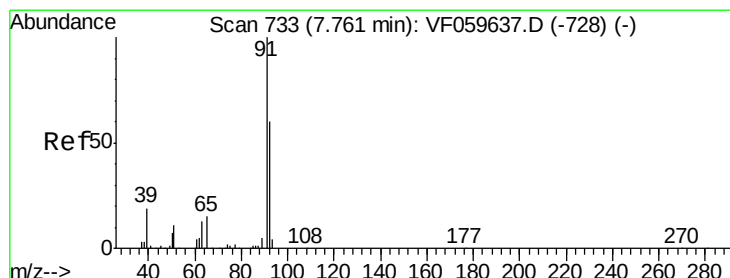
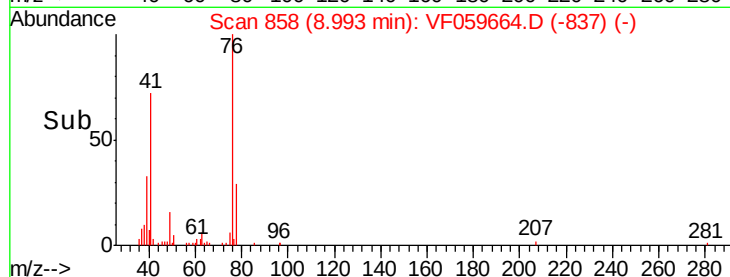
8.99

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 110.51 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059664.D

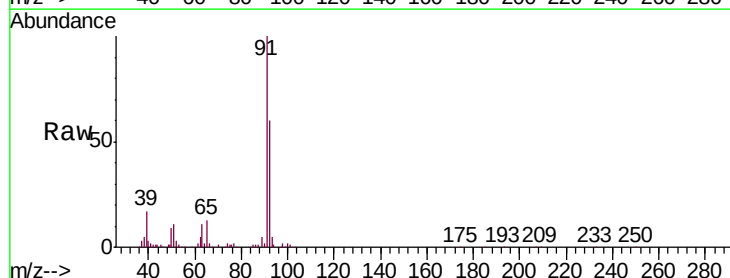
Acq: 25 Jul 2018 18:12

Tgt Ion: 63 Resp: 15856

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

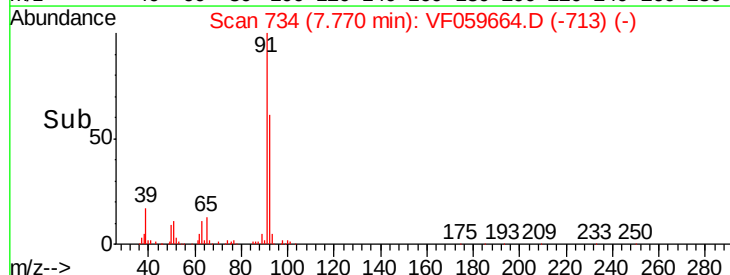
6000

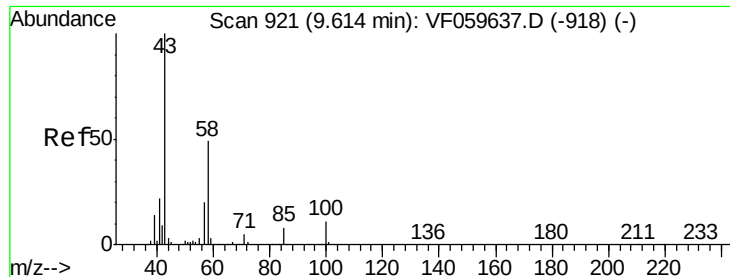
4000

2000

0

Time-->

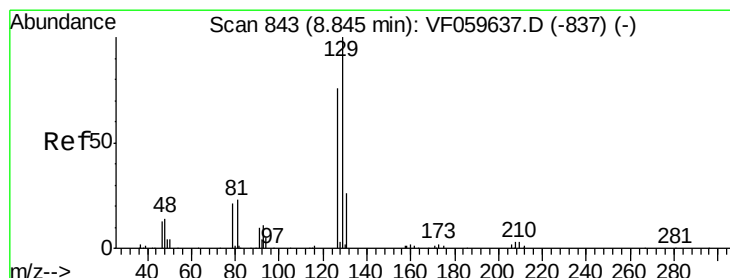
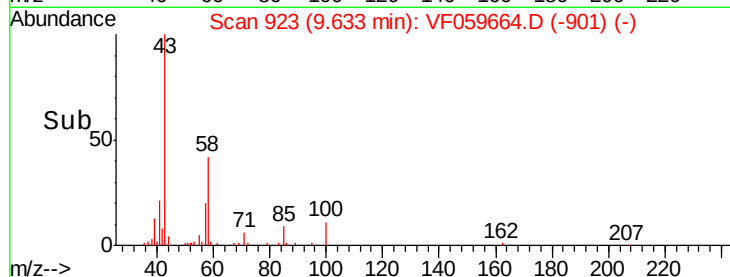
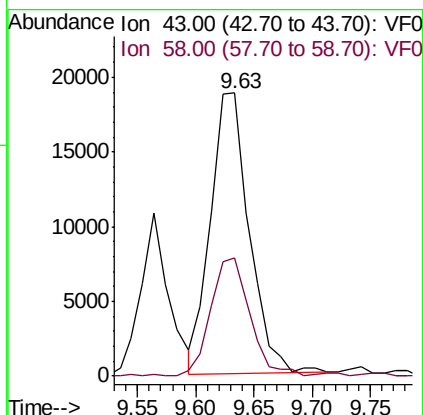
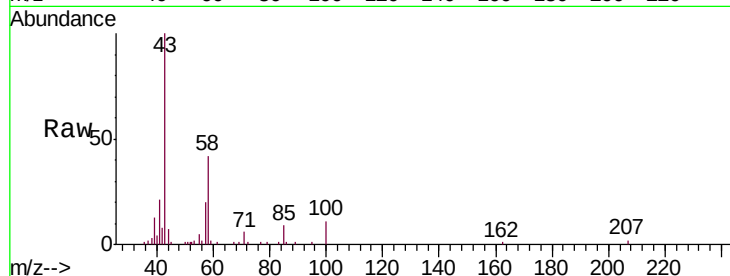




#59
2-Hexanone
Concen: 69.26 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

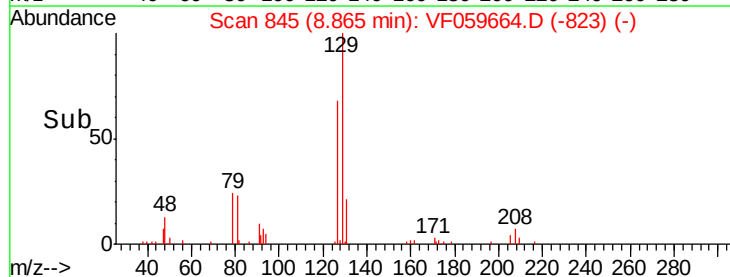
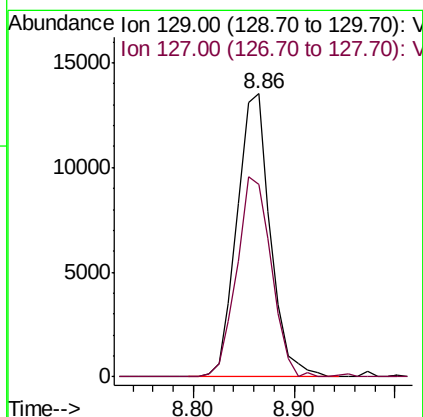
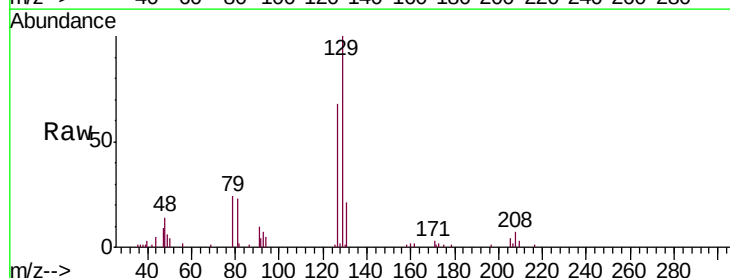
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

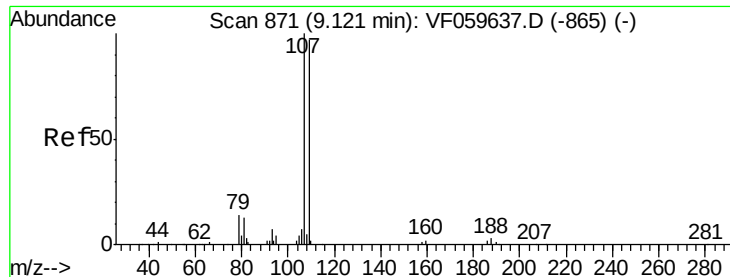
Tot Ion: 43 Resp: 43348
Ion Ratio Lower Upper
43 100
58 41.8 23.6 71.0



#60
Dibromochloromethane
Concen: 16.15 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 129 Resp: 31215
Ion Ratio Lower Upper
129 100
127 68.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 14.92 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

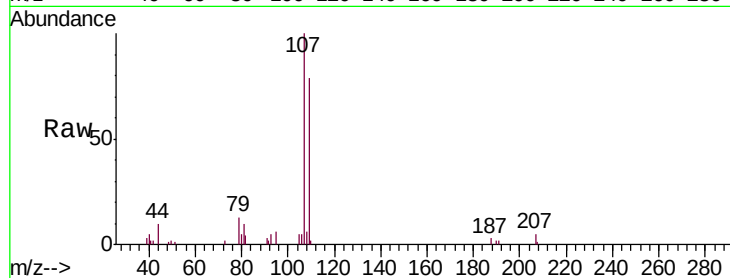
VF0725SBS01

Tot Ion:107 Resp: 19050

Ion Ratio Lower Upper

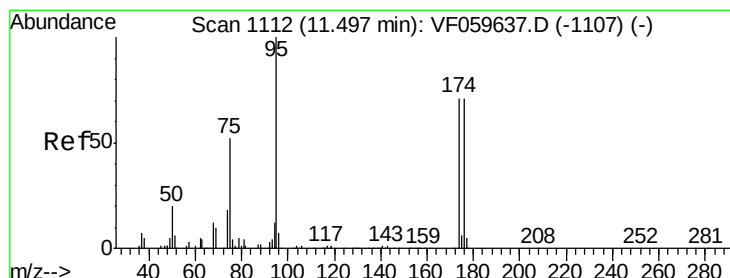
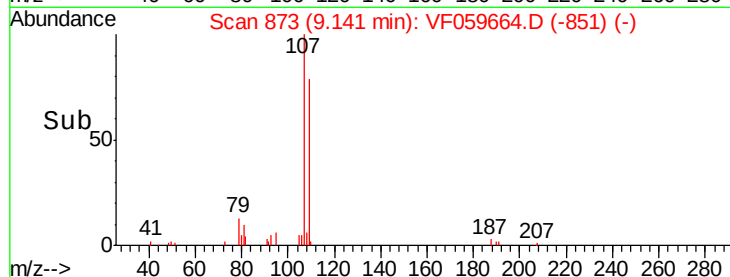
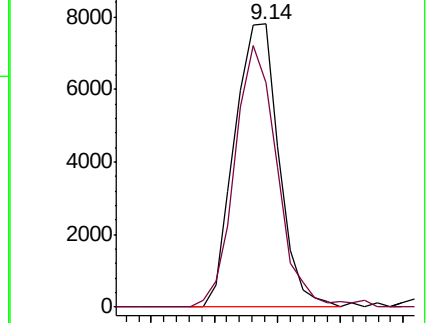
107 100

109 79.4 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: 43.64 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

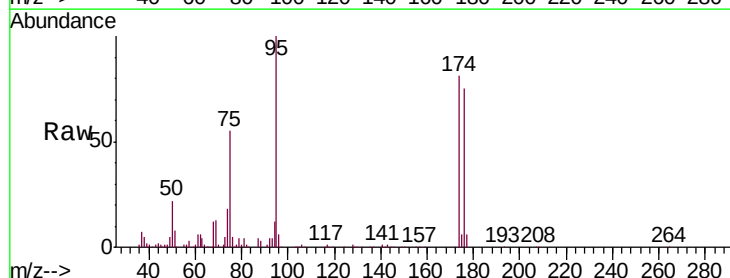
Tgt Ion: 95 Resp: 121720

Ion Ratio Lower Upper

95 100

174 80.5 0.0 141.8

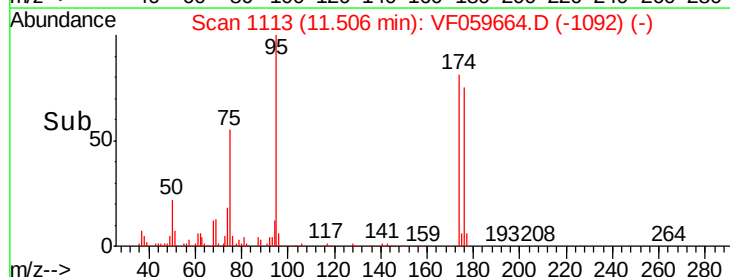
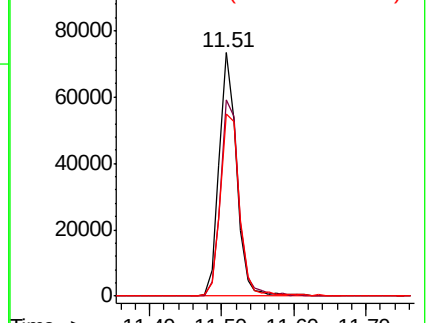
176 75.0 0.0 142.0

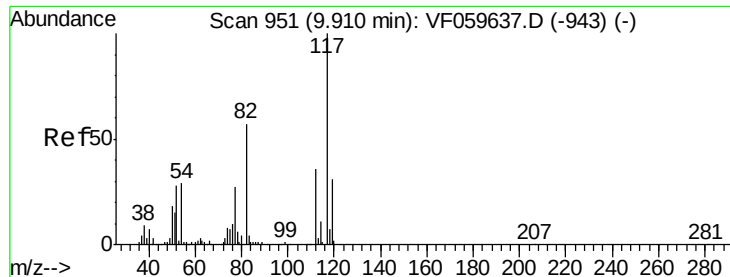


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

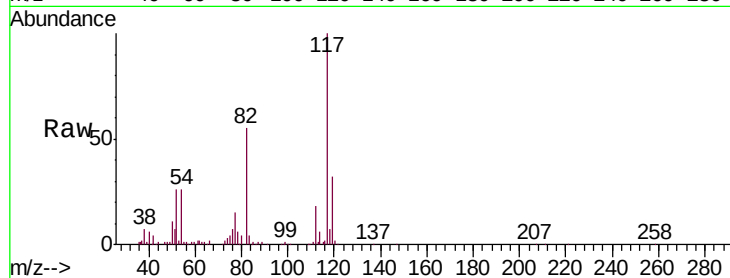




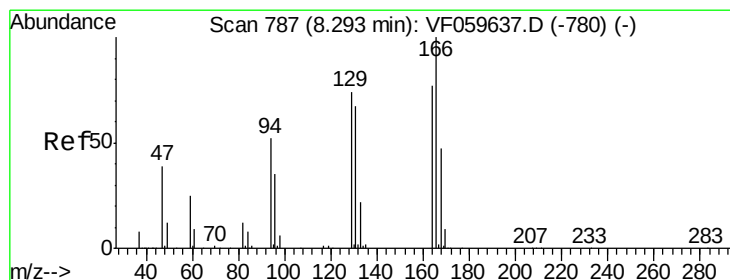
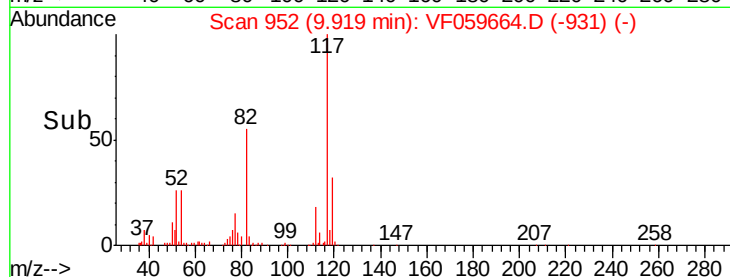
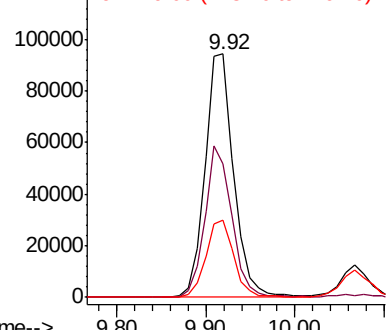
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion:117 Resp: 213080
Ion Ratio Lower Upper
117 100
82 55.0 45.9 68.9
119 31.6 25.1 37.7

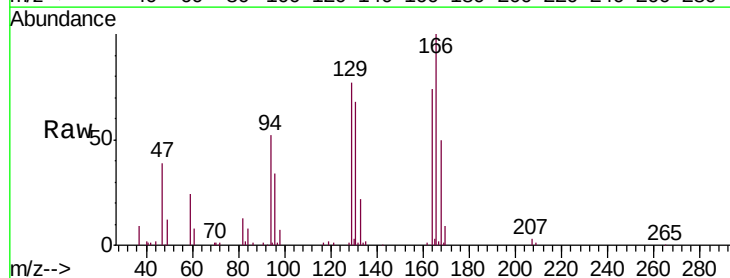


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

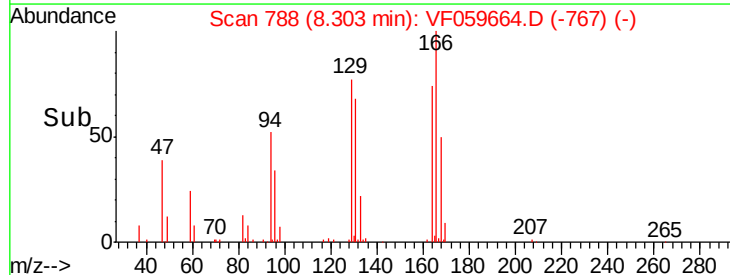
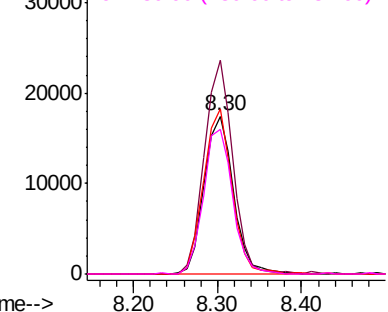


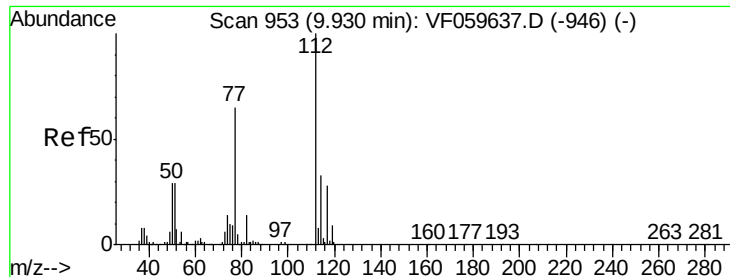
#64
Tetrachloroethene
Concen: 25.11 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion:164 Resp: 42405
Ion Ratio Lower Upper
164 100
166 135.2 103.3 154.9
129 104.6 76.2 114.2
131 91.4 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

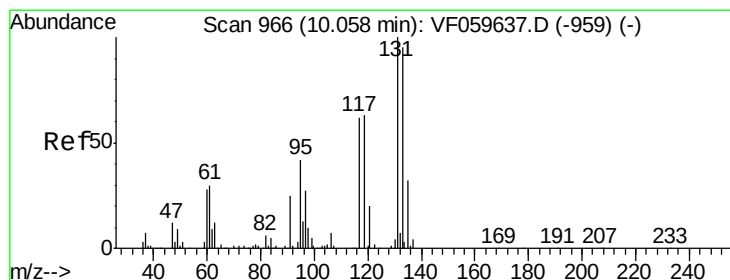
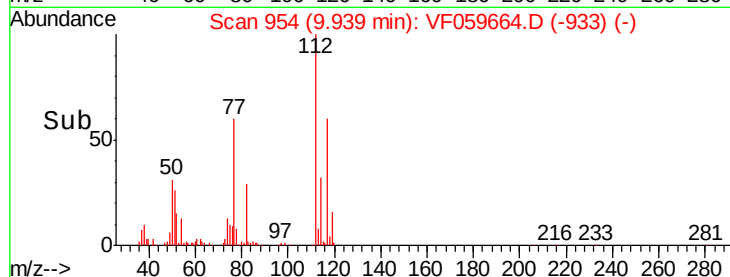
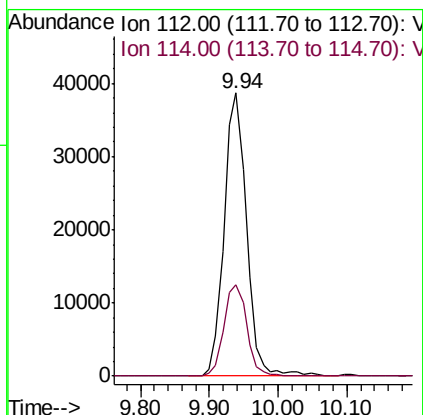
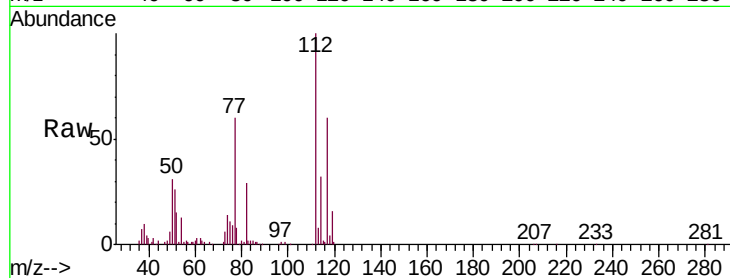




#65
Chlorobenzene
Concen: 22.17 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

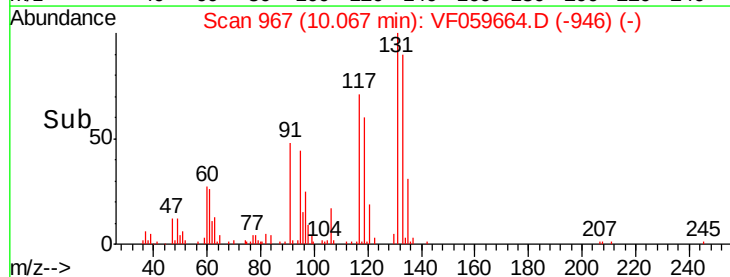
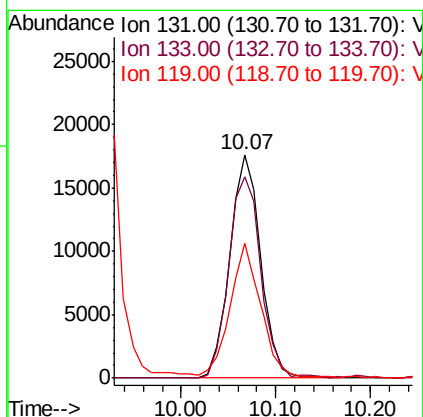
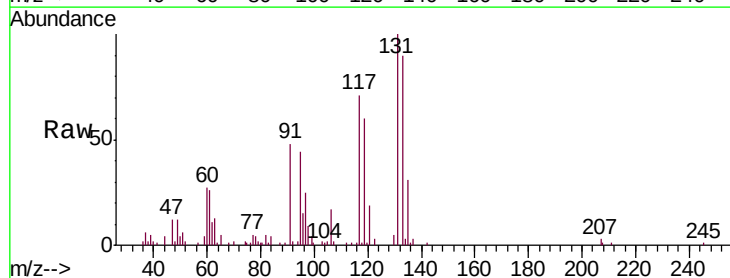
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

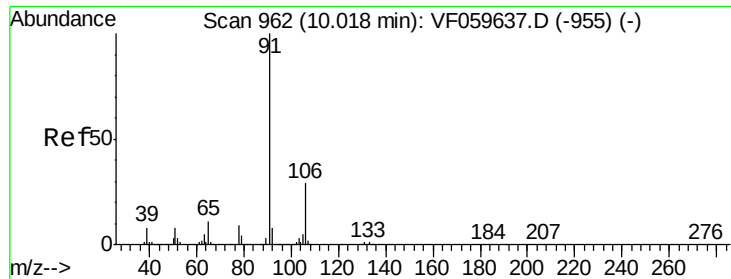
Tot Ion:112 Resp: 87512
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.72 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion:131 Resp: 39743
Ion Ratio Lower Upper
131 100
133 90.4 47.5 142.6
119 60.2 31.8 95.4

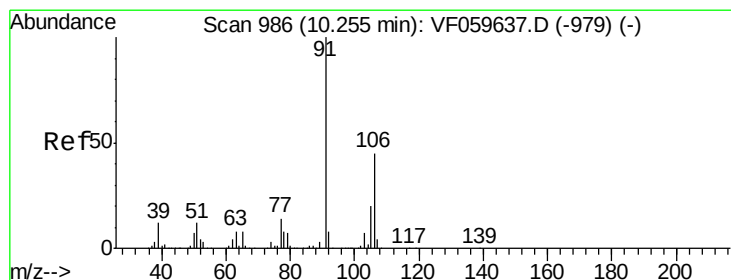
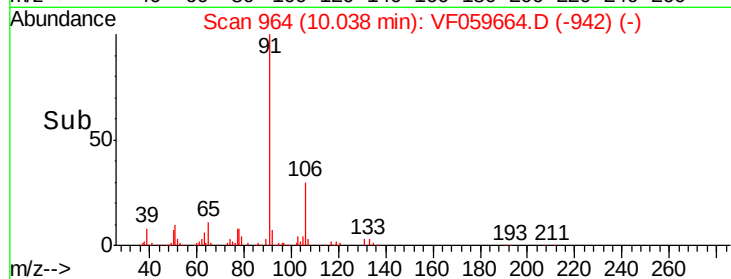
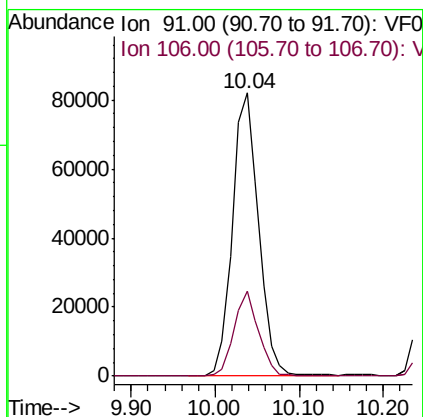
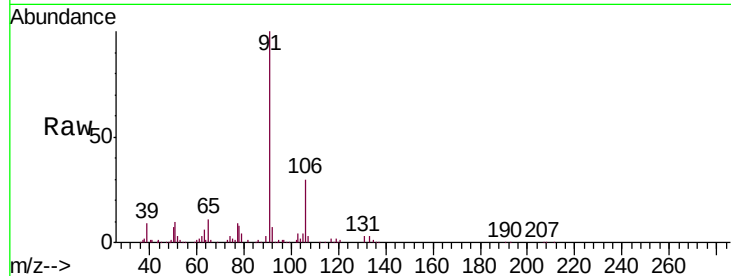




#67
Ethyl Benzene
Concen: 25.04 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

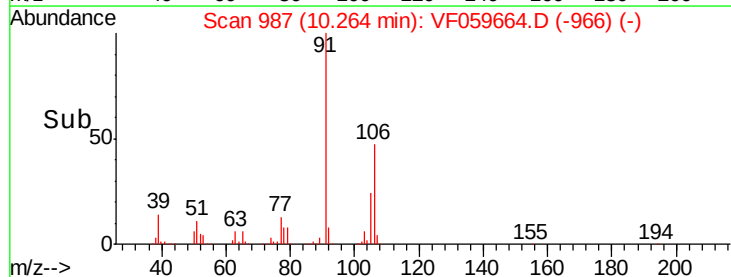
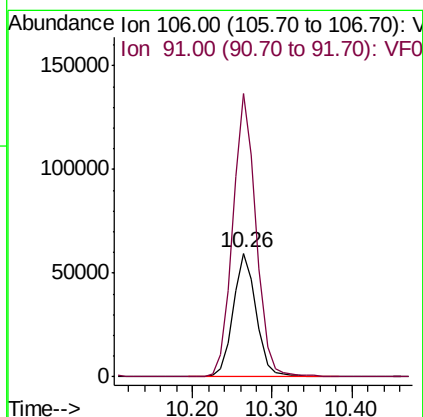
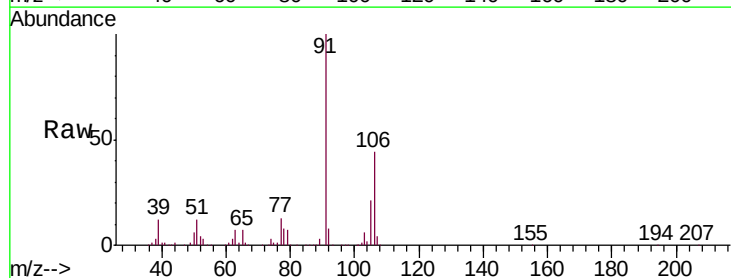
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

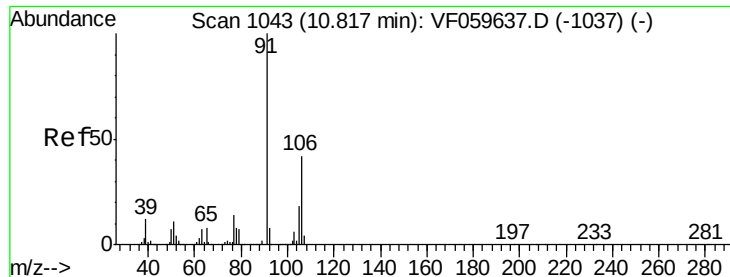
Tot Ion: 91 Resp: 177624
Ion Ratio Lower Upper
91 100
106 30.0 23.4 35.0



#68
m/p-Xylenes
Concen: 47.77 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 106 Resp: 121087
Ion Ratio Lower Upper
106 100
91 228.3 177.8 266.8

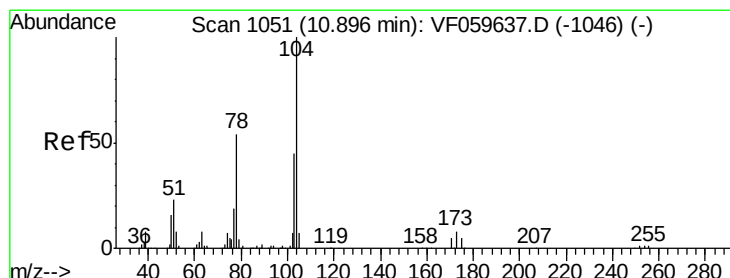
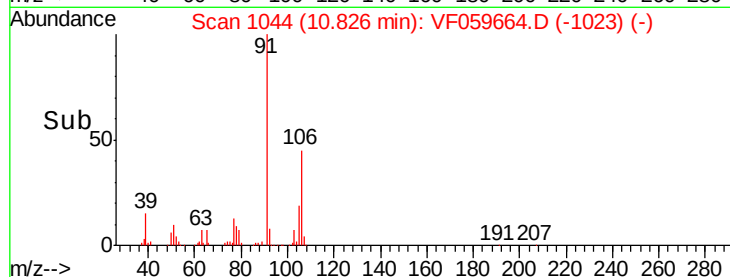
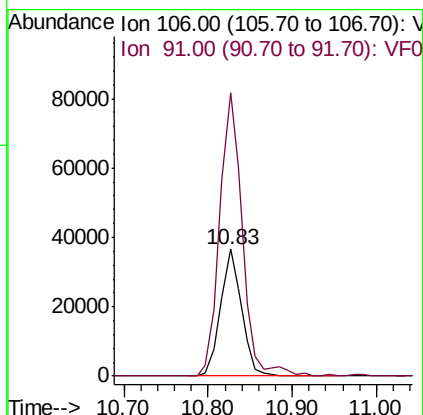
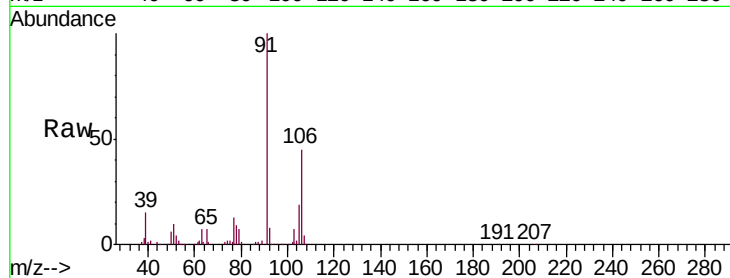




#69
o-Xylene
Concen: 23.73 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

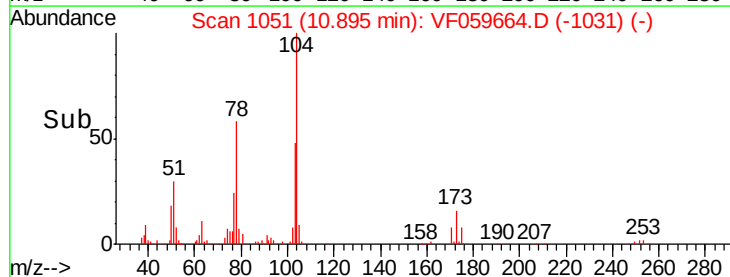
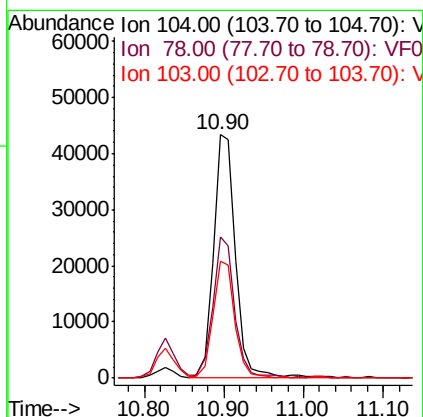
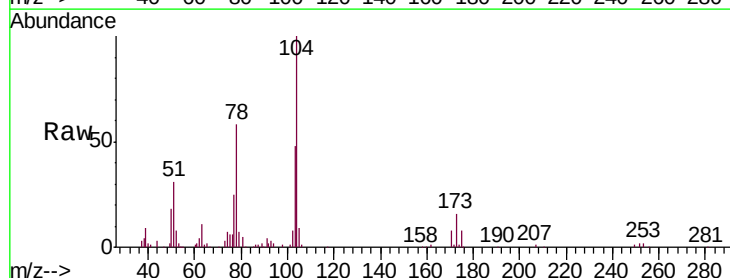
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

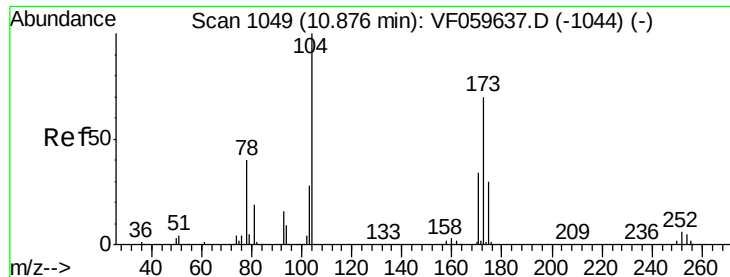
Tot Ion:106 Resp: 64023
Ion Ratio Lower Upper
106 100
91 222.7 119.3 357.9



#70
Styrene
Concen: 21.51 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion:104 Resp: 83821
Ion Ratio Lower Upper
104 100
78 58.1 43.4 65.2
103 47.9 36.7 55.1





#71

Bromoform

Concen: 16.18 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

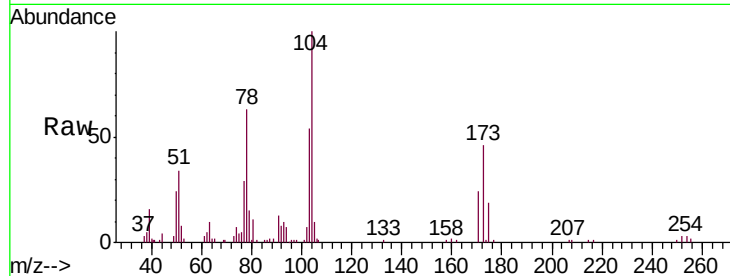
Tot Ion:173 Resp: 16667

Ion Ratio Lower Upper

173 100

175 41.7 21.6 65.0

254 0.0 0.0 0.0

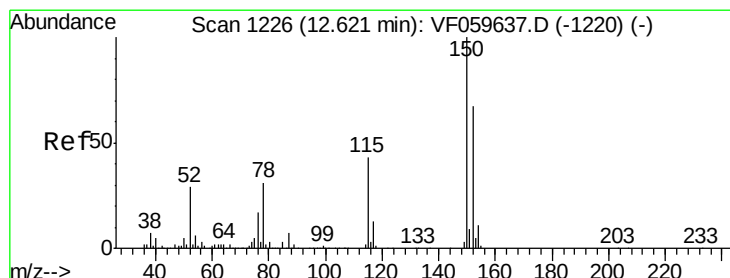
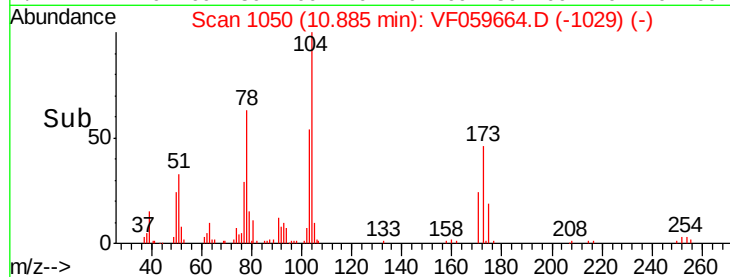
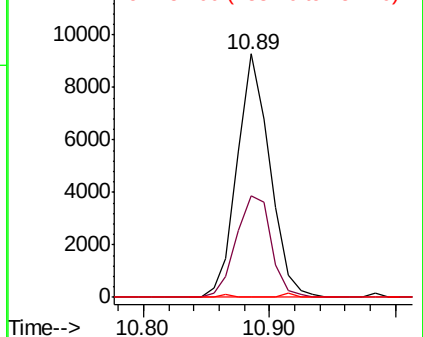


Abundance

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# 1227

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

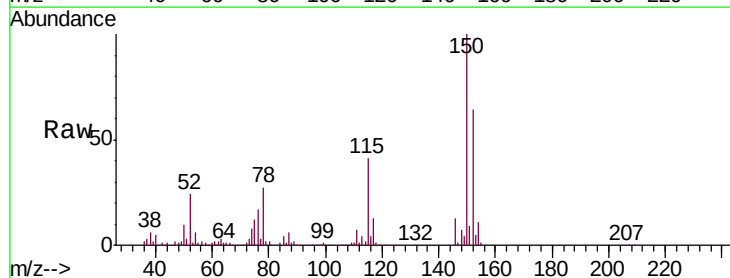
Tgt Ion:152 Resp: 124749

Ion Ratio Lower Upper

152 100

115 63.3 32.0 96.2

150 156.0 0.0 313.2

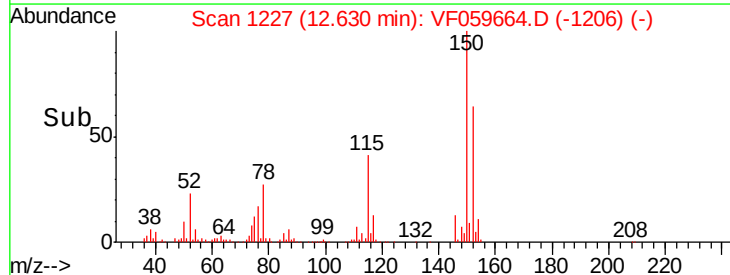
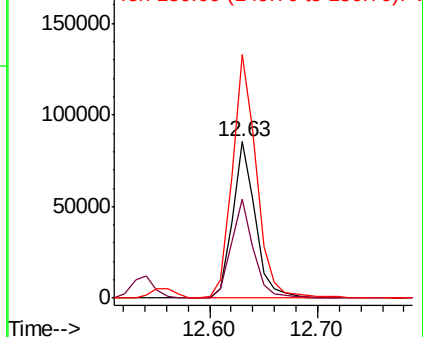


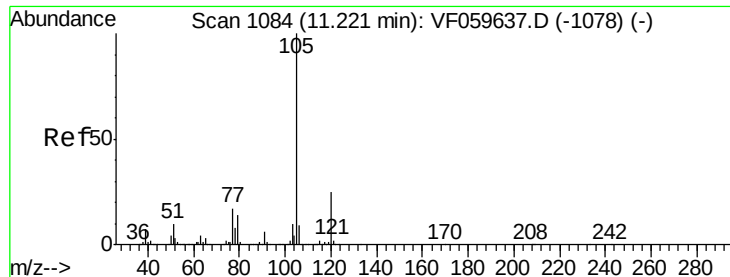
Abundance

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: 29.09 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

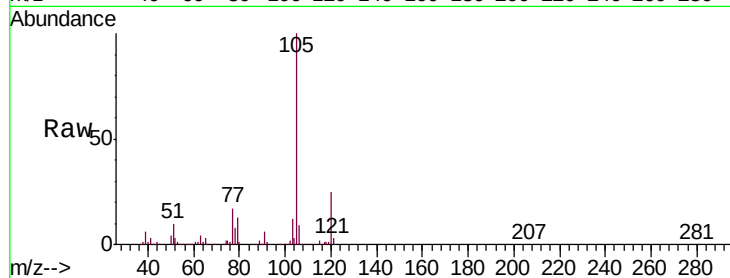
VF0725SBS01

Tot Ion:105 Resp: 228110

Ion Ratio Lower Upper

105 100

120 24.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

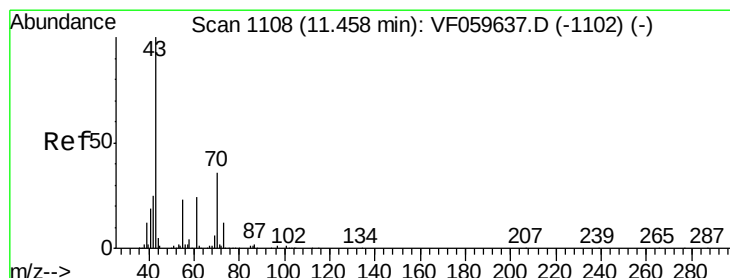
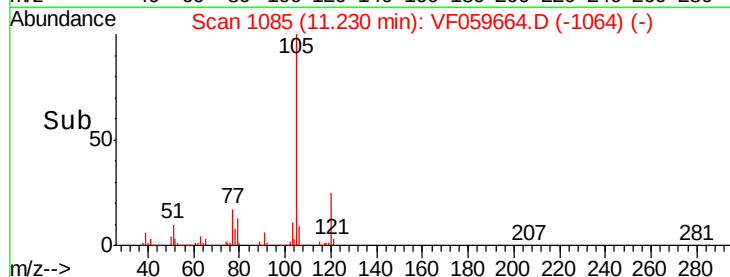
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 16.79 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Tgt Ion: 43 Resp: 28219

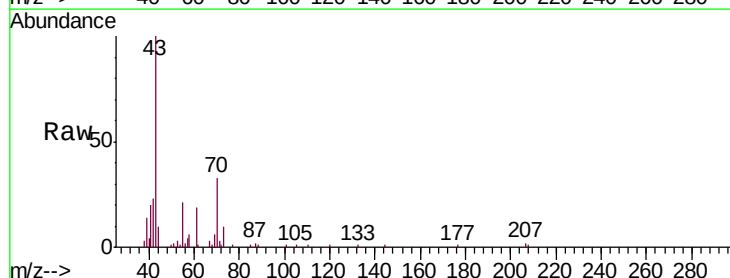
Ion Ratio Lower Upper

43 100

70 32.9 29.4 44.0

55 20.9 18.2 27.4

61 19.2 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

25000

20000

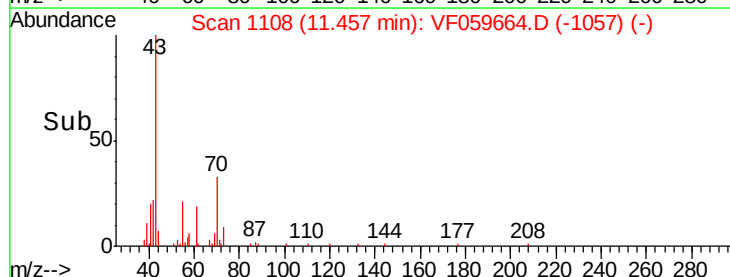
15000

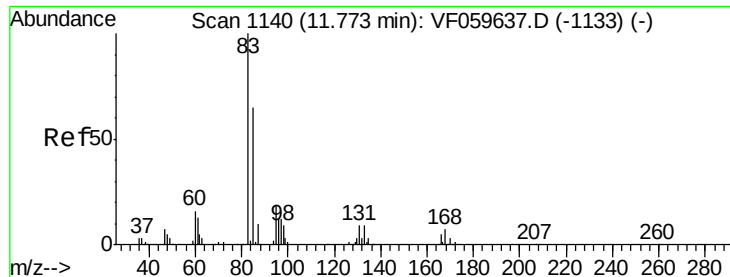
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.37 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

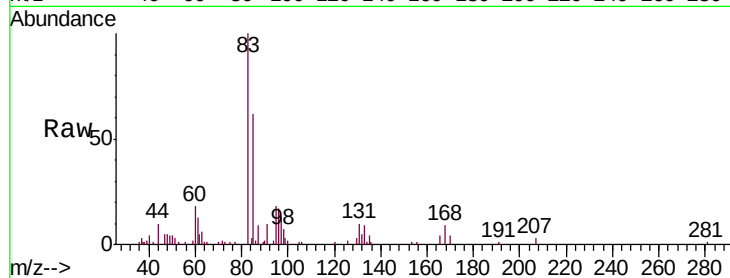
Tot Ion: 83 Resp: 20619

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.5

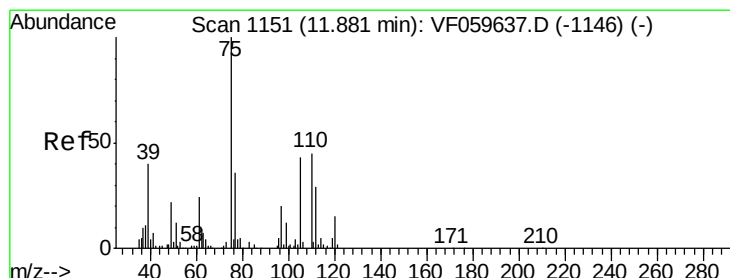
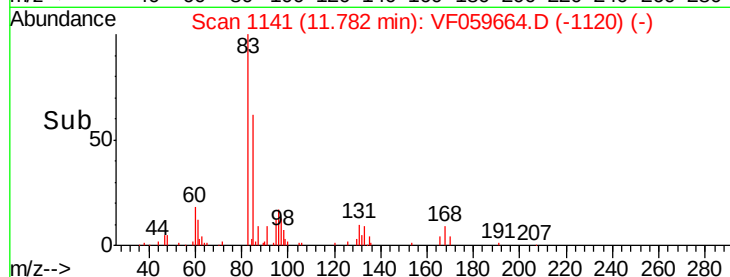
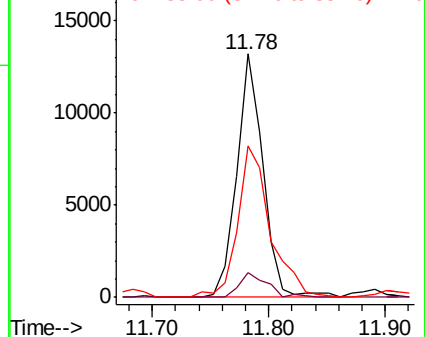
85 62.0 32.6 97.7



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: 18.39 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059664.D

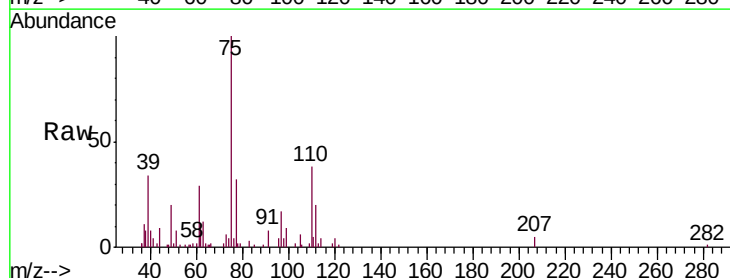
Acq: 25 Jul 2018 18:12

Tgt Ion: 75 Resp: 18039

Ion Ratio Lower Upper

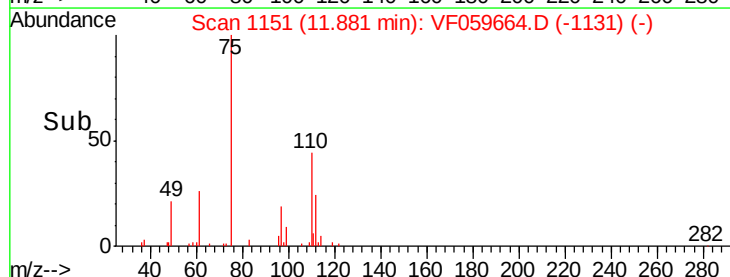
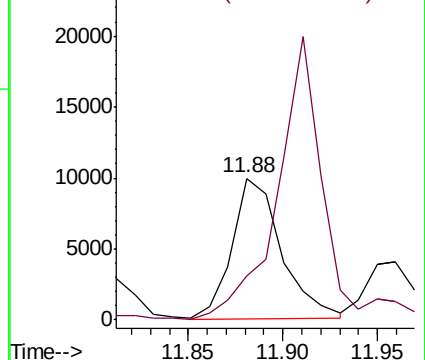
75 100

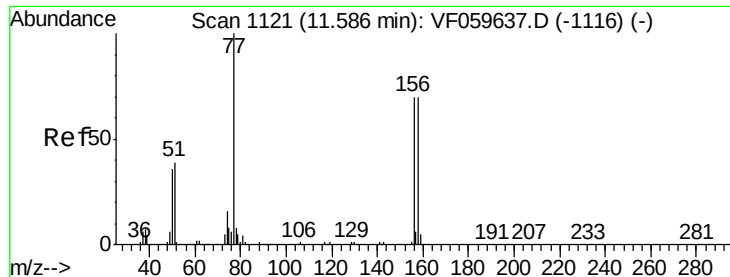
77 31.5 18.4 55.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

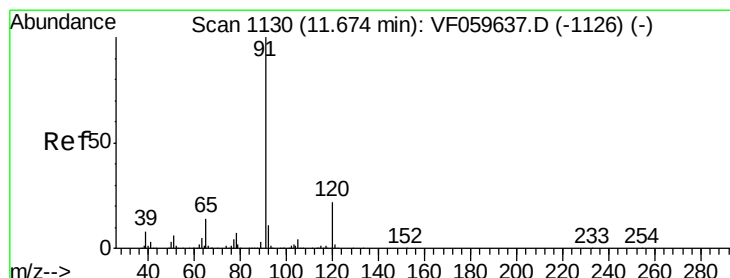
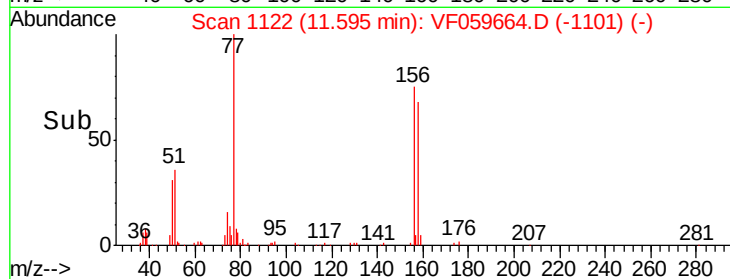
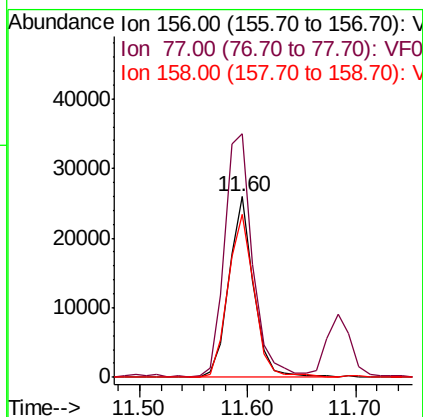
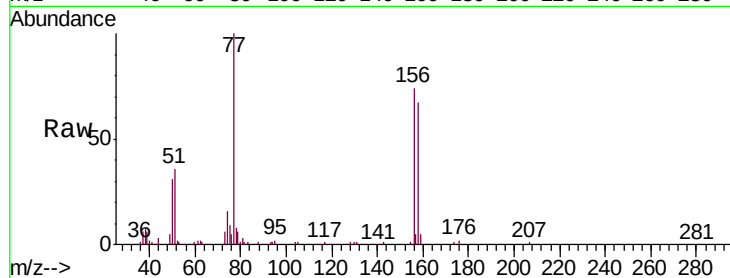




#77
Bromobenzene
Concen: 21.52 ug/l
RT: 11.60 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

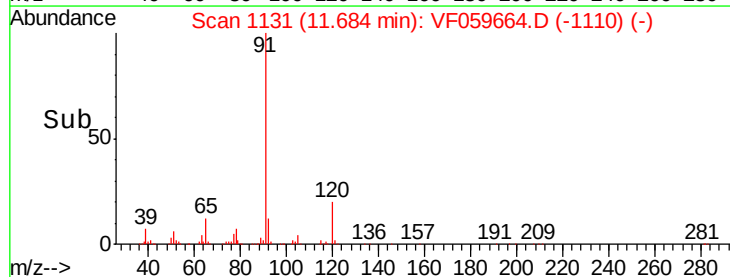
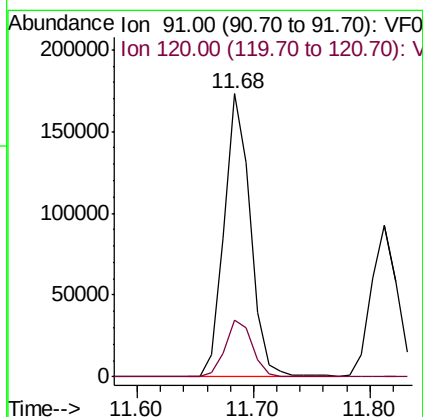
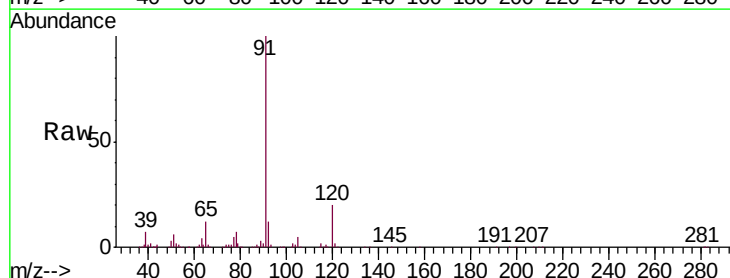
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

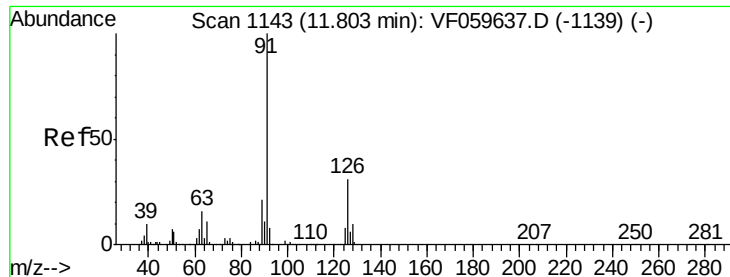
Tot Ion:156 Resp: 41275
Ion Ratio Lower Upper
156 100
77 134.8 71.5 214.3
158 90.4 50.0 149.8



#78
n-propylbenzene
Concen: 28.86 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion: 91 Resp: 269298
Ion Ratio Lower Upper
91 100
120 20.2 10.8 32.4





#79

2-Chlorotoluene

Concen: 25.69 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

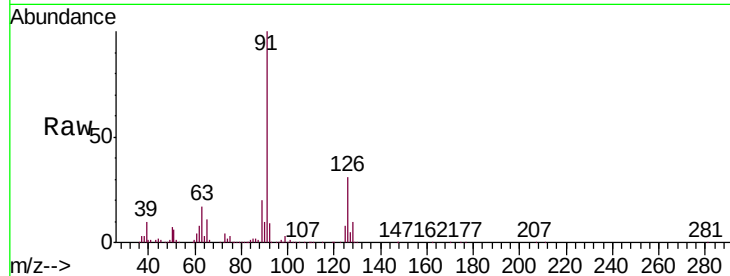
VF0725SBS01

Tot Ion: 91 Resp: 144310

Ion Ratio Lower Upper

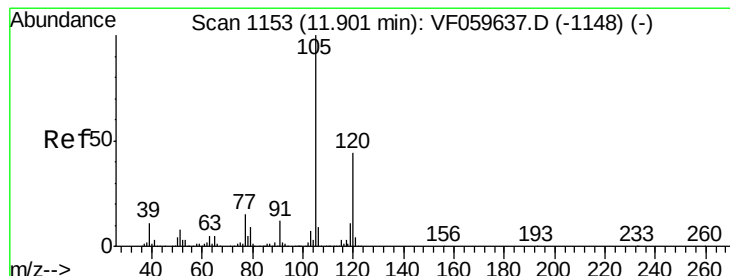
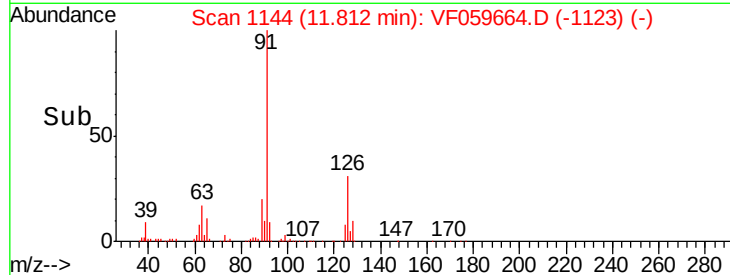
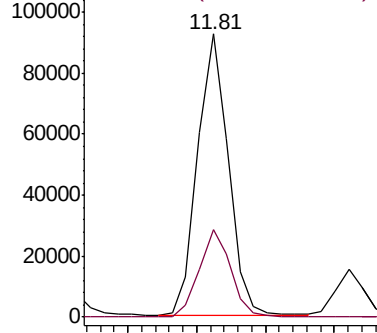
91 100

126 31.1 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 28.51 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF059664.D

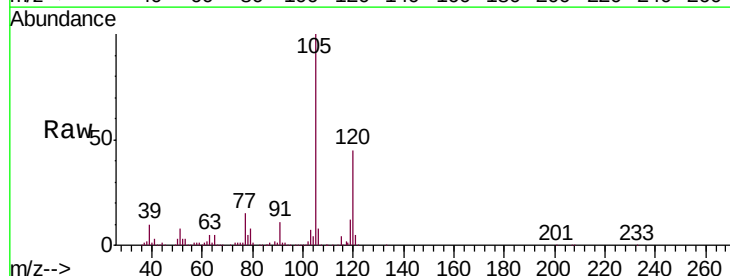
Acq: 25 Jul 2018 18:12

Tgt Ion:105 Resp: 198588

Ion Ratio Lower Upper

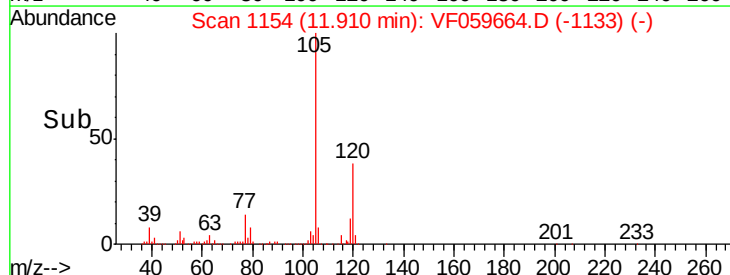
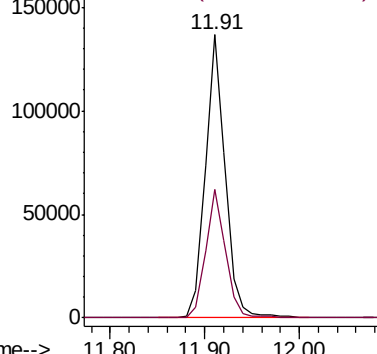
105 100

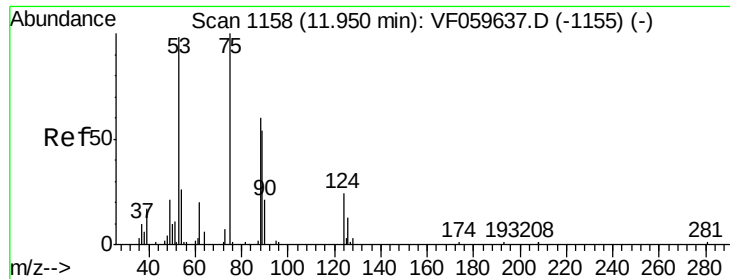
120 45.4 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.42 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

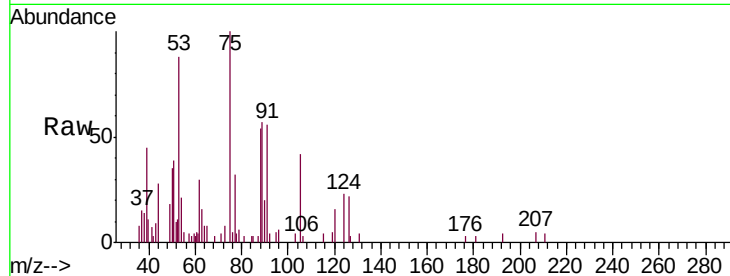
Tot Ion: 75 Resp: 12329

Ion Ratio Lower Upper

75 100

53 87.8 82.3 123.5

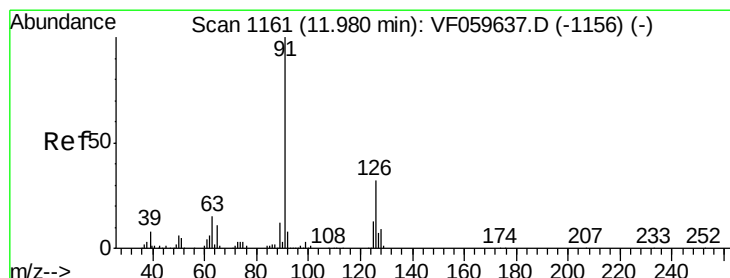
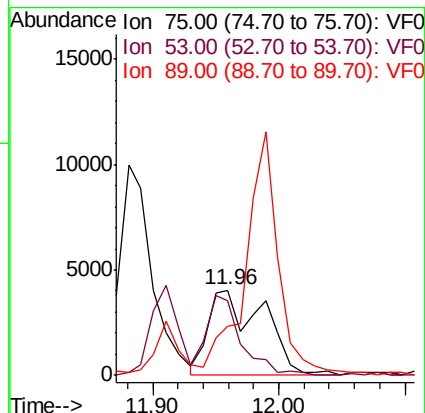
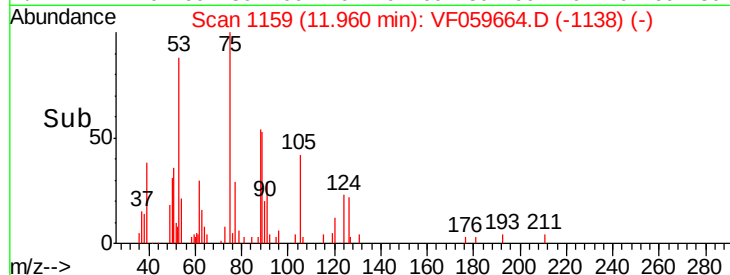
89 57.1 48.2 72.2



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: 24.10 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059664.D

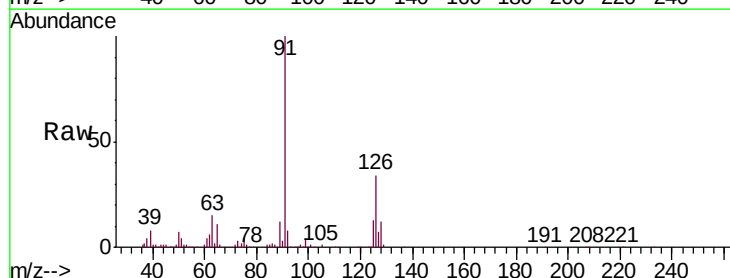
Acq: 25 Jul 2018 18:12

Tgt Ion: 91 Resp: 144426

Ion Ratio Lower Upper

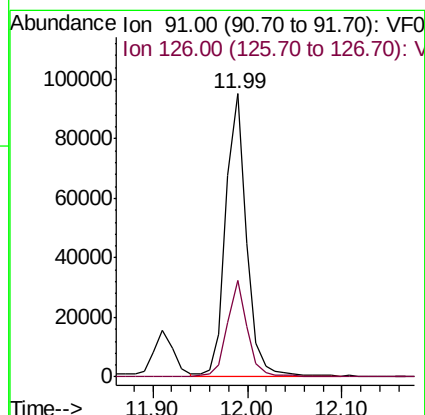
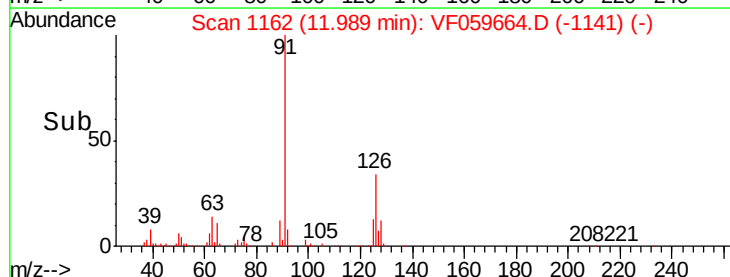
91 100

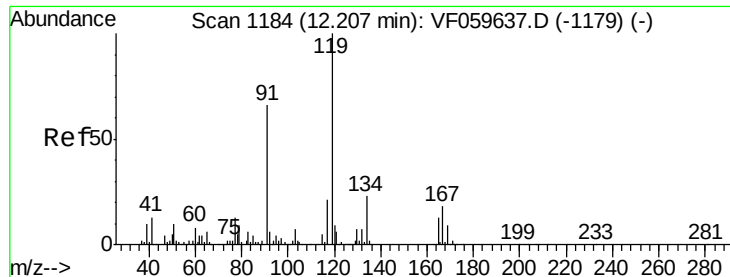
126 33.9 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 28.87 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

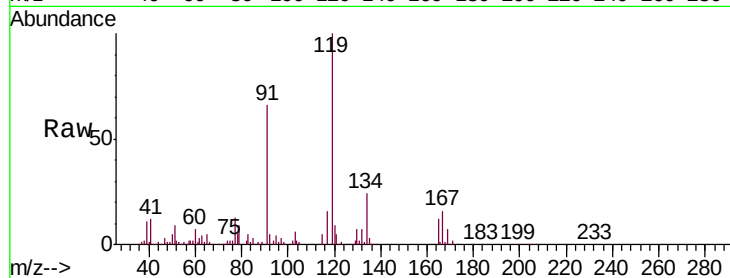
Tot Ion:119 Resp: 202744

Ion Ratio Lower Upper

119 100

91 65.6 33.2 99.6

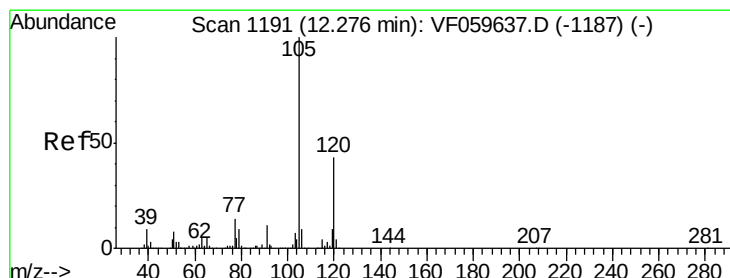
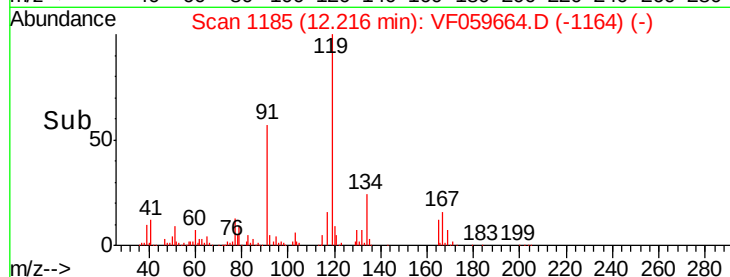
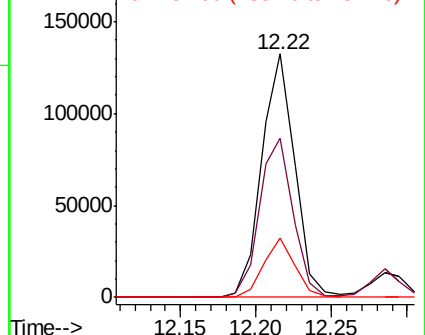
134 24.2 11.5 34.4



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: 26.23 ug/l

RT: 12.29 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF059664.D

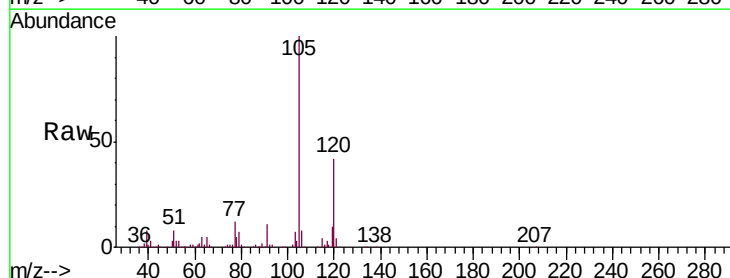
Acq: 25 Jul 2018 18:12

Tgt Ion:105 Resp: 187550

Ion Ratio Lower Upper

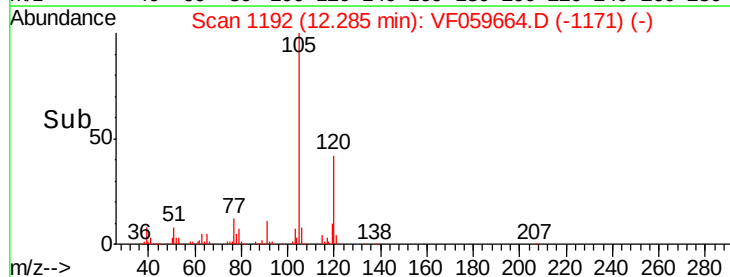
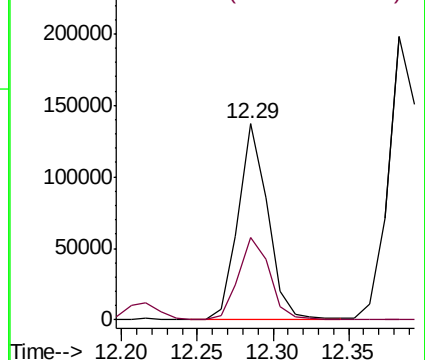
105 100

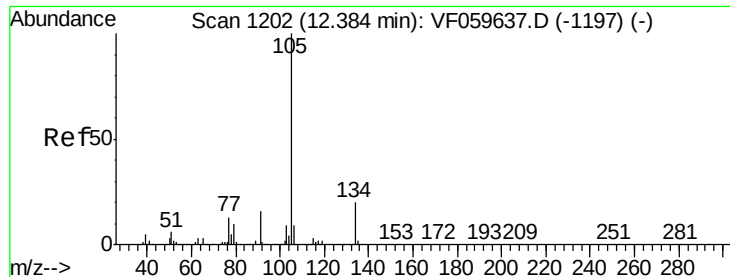
120 41.8 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 31.07 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

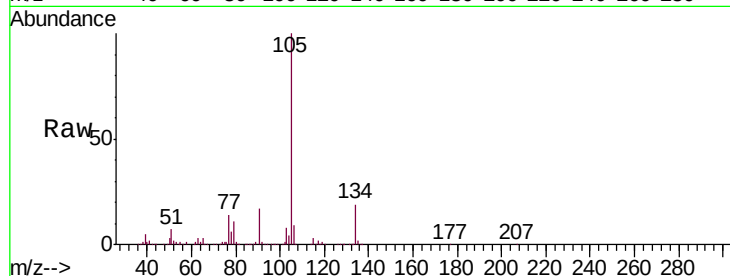
VF0725SBS01

Tot Ion:105 Resp: 290890

Ion Ratio Lower Upper

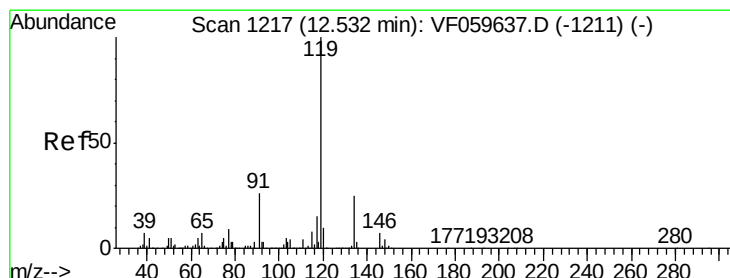
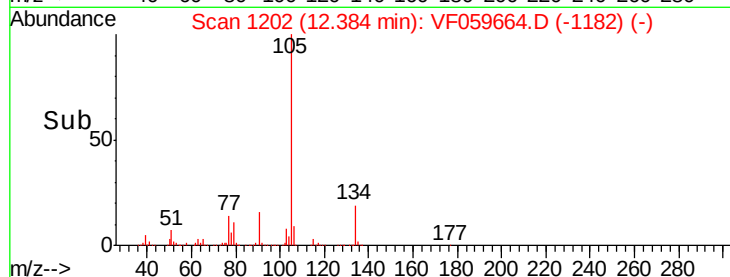
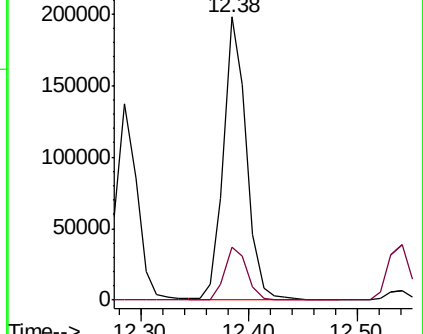
105 100

134 18.8 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: 29.14 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

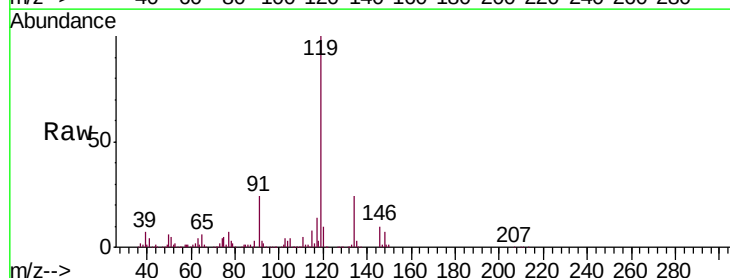
Tgt Ion:119 Resp: 237540

Ion Ratio Lower Upper

119 100

134 24.3 12.4 37.0

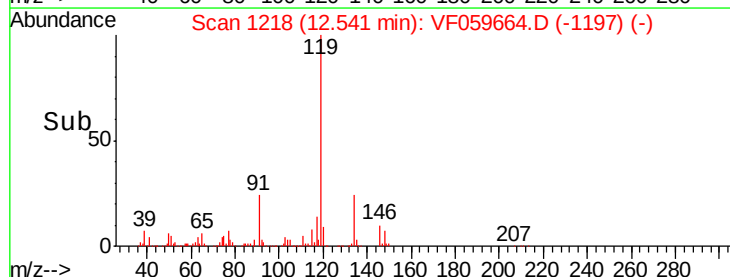
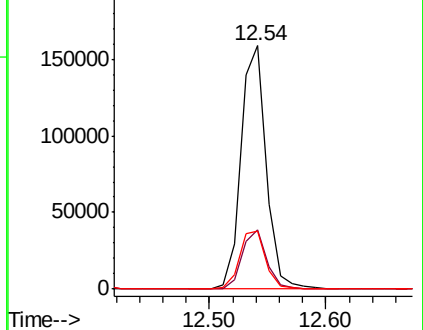
91 23.8 13.1 39.1

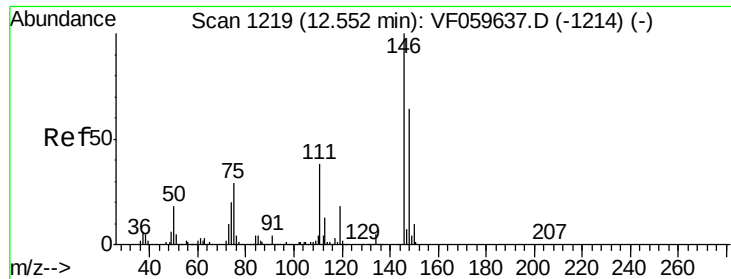


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 24.05 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

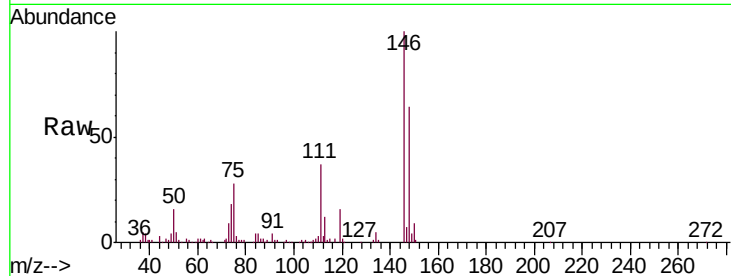
Tot Ion:146 Resp: 90343

Ion Ratio Lower Upper

146 100

111 36.6 19.1 57.1

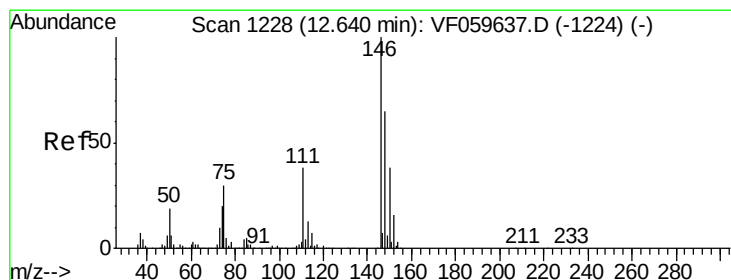
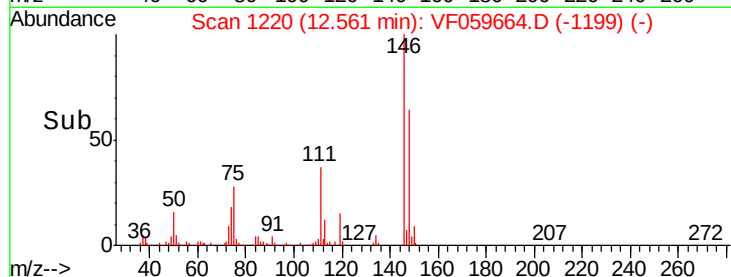
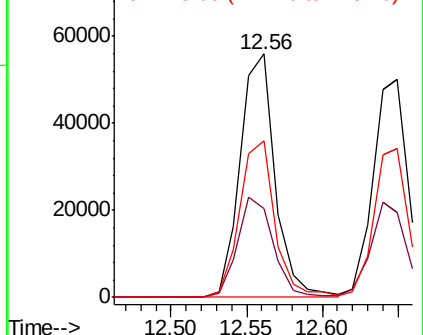
148 64.3 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 22.63 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

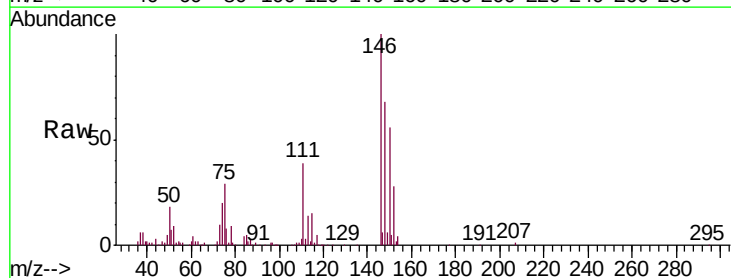
Tgt Ion:146 Resp: 84159

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.1

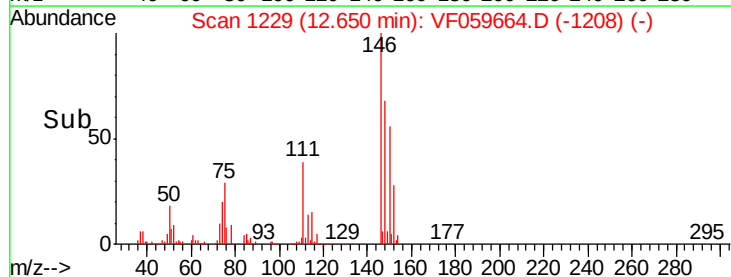
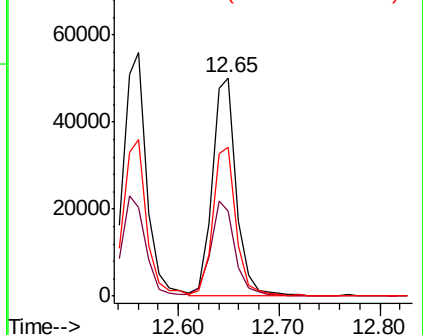
148 68.3 32.4 97.2

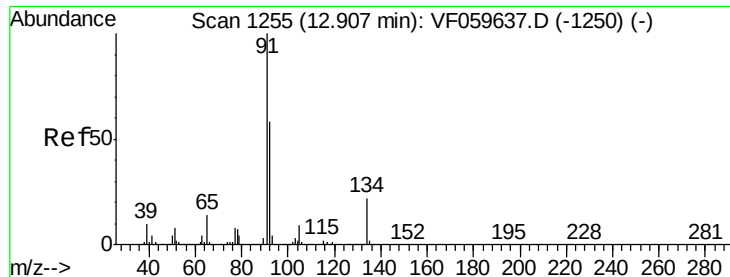


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 29.83 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF059664.D

Acq: 25 Jul 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

VF0725SBS01

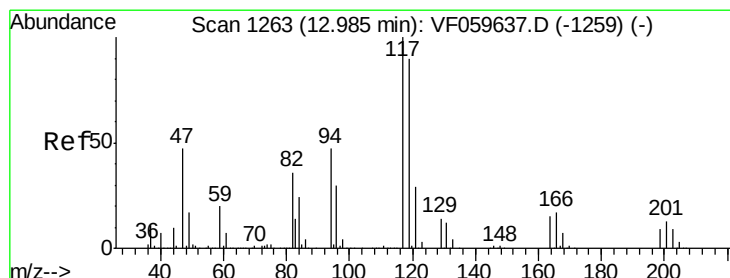
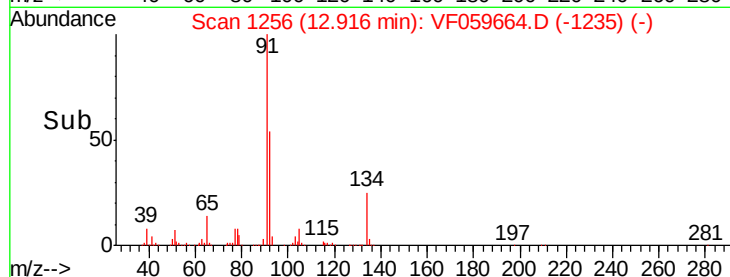
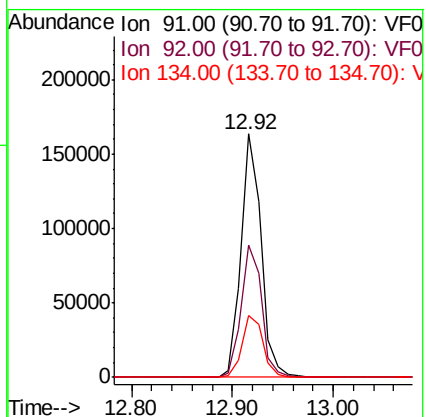
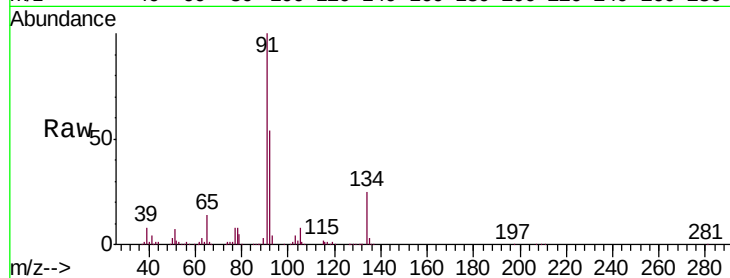
Tot Ion: 91 Resp: 226890

Ion	Ratio	Lower	Upper
91	100		
92	54.3	29.1	87.3
134	25.3	11.2	33.6

91 100

92 54.3 29.1 87.3

134 25.3 11.2 33.6



#90

Hexachloroethane

Concen: 27.41 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF059664.D

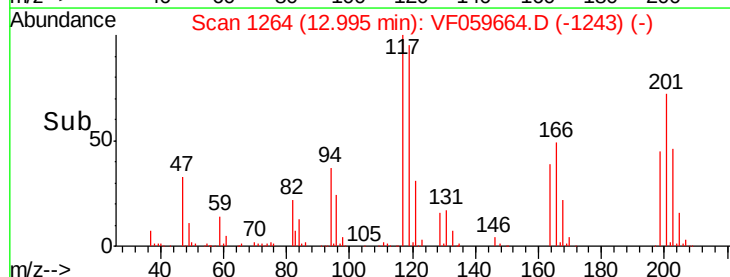
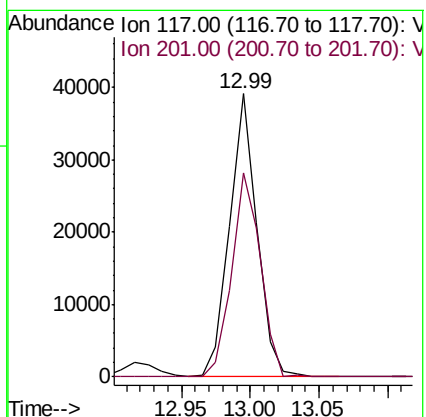
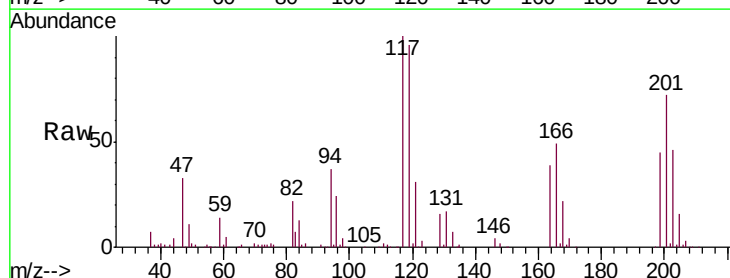
Acq: 25 Jul 2018 18:12

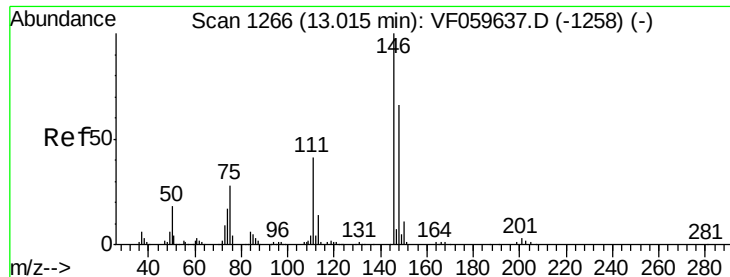
Tgt Ion: 117 Resp: 54494

Ion	Ratio	Lower	Upper
117	100		
201	72.2	6.6	19.7#

117 100

201 72.2 6.6 19.7#

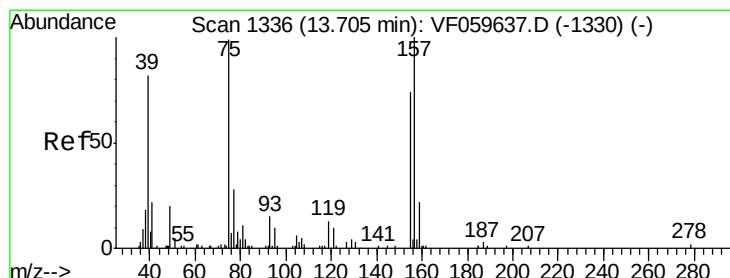
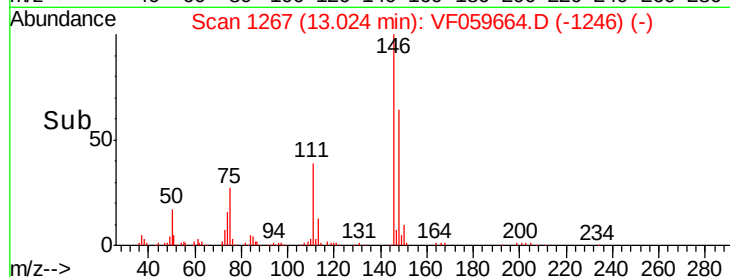
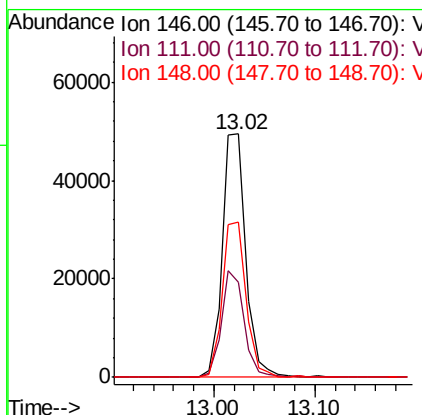
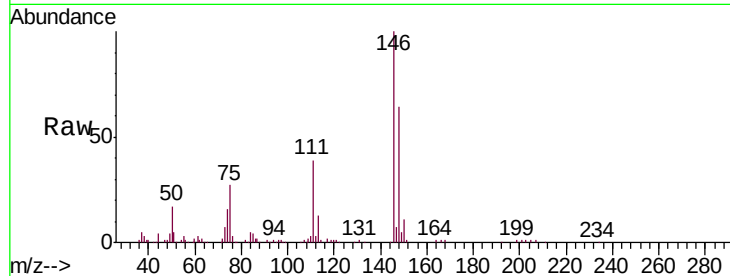




#91
 1,2-Dichlorobenzene
 Concen: 22.43 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

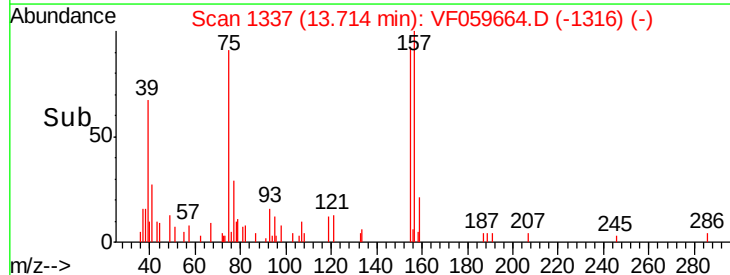
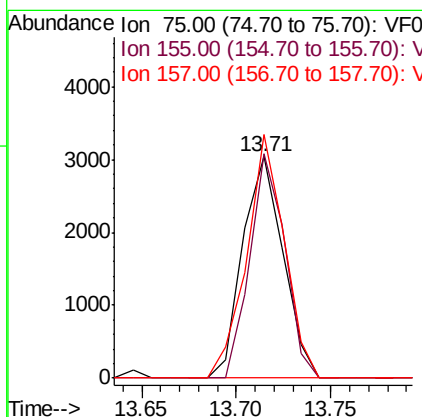
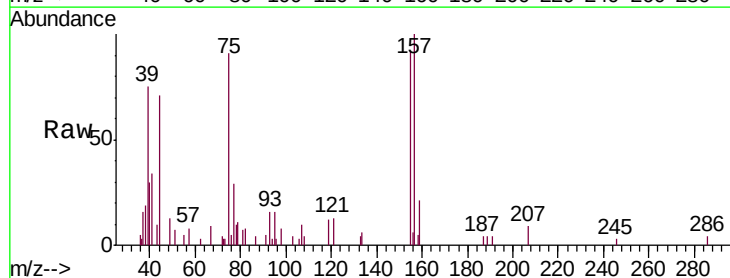
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

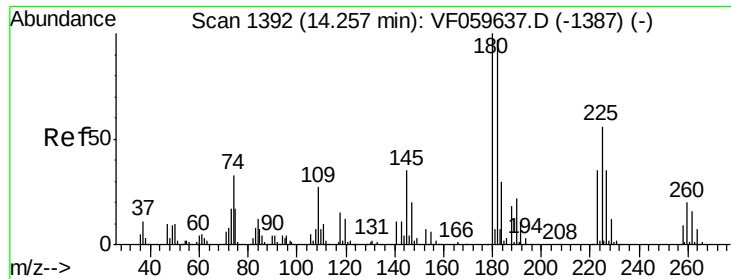
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.3	61.0
148	63.8	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.74 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	37.5	112.7
157	109.8	50.6	151.9

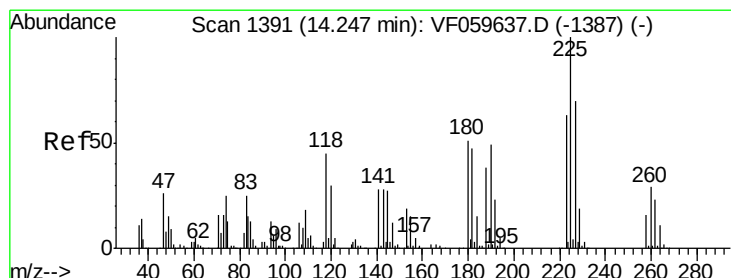
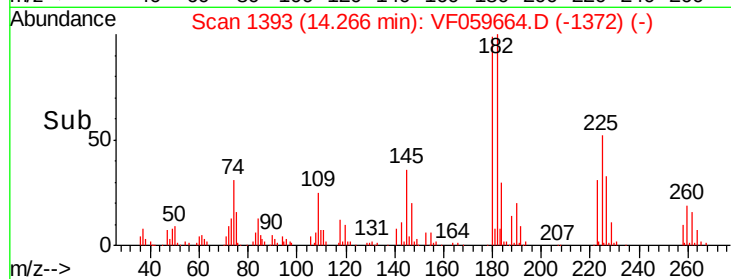
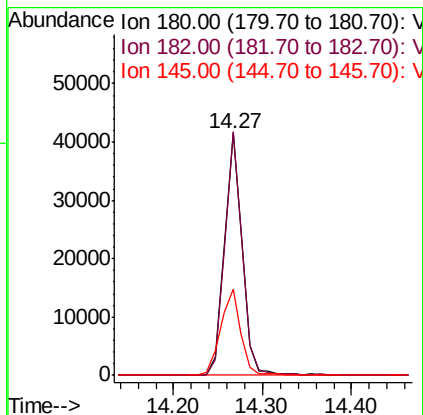
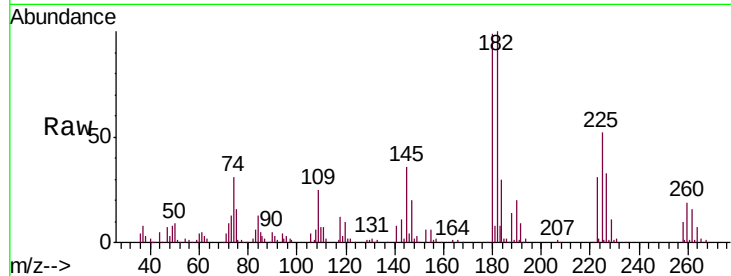




#93
 1,2,4-Trichlorobenzene
 Concen: 19.80 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

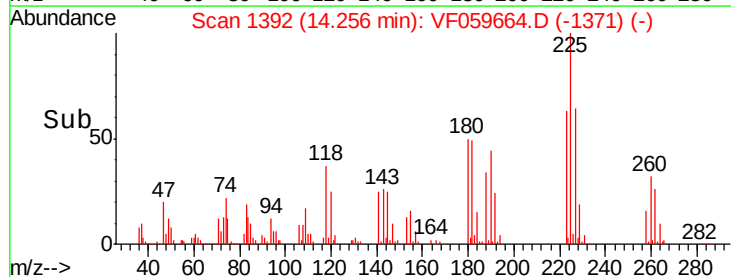
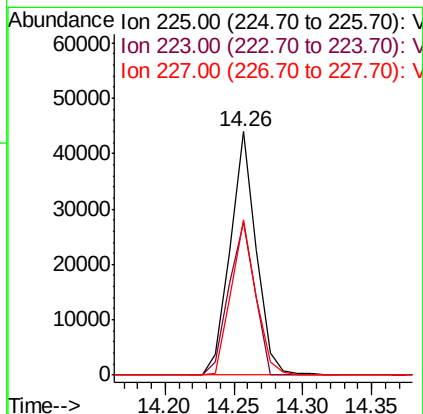
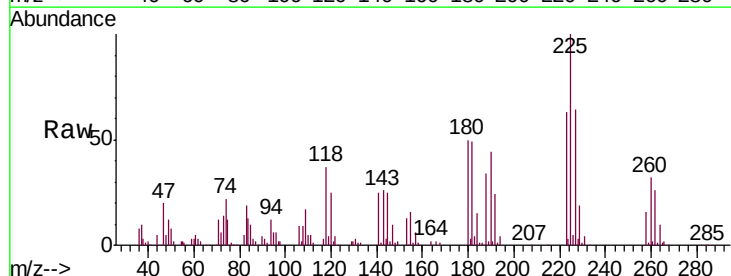
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

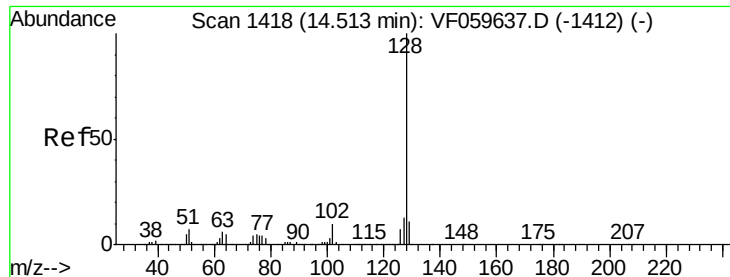
Tot Ion:180 Resp: 59165
 Ion Ratio Lower Upper
 180 100
 182 100.5 48.5 145.6
 145 35.7 17.4 52.2



#94
 Hexachlorobutadiene
 Concen: 27.92 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

Tgt Ion:225 Resp: 57802
 Ion Ratio Lower Upper
 225 100
 223 62.6 33.3 99.8
 227 63.8 34.8 104.4

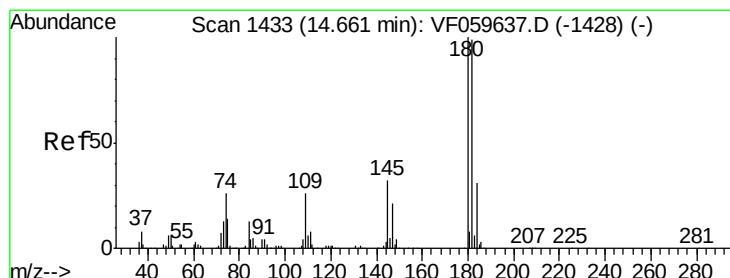
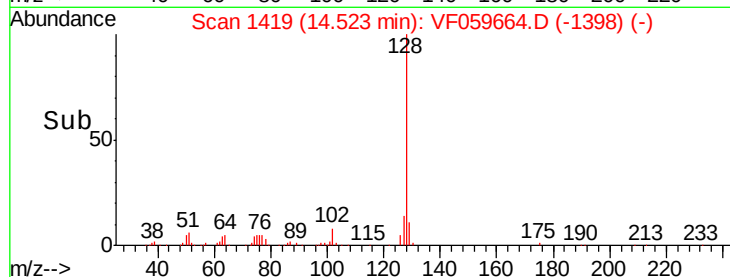
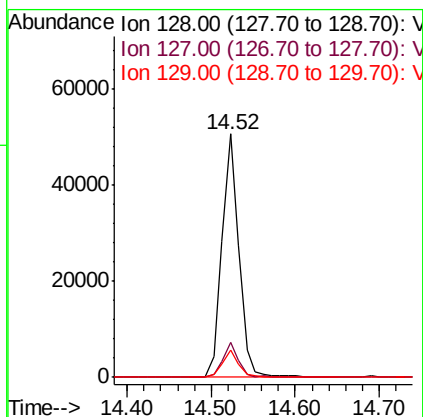
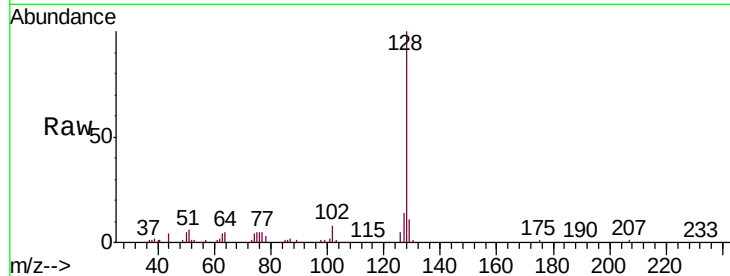




#95
Naphthalene
Concen: 16.11 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

Tot Ion:128 Resp: 71530
Ion Ratio Lower Upper
128 100
127 14.1 10.1 15.1
129 11.4 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 19.46 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Tgt Ion:180 Resp: 49282
Ion Ratio Lower Upper
180 100
182 92.2 49.5 148.5
145 30.6 16.0 48.0

