

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 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

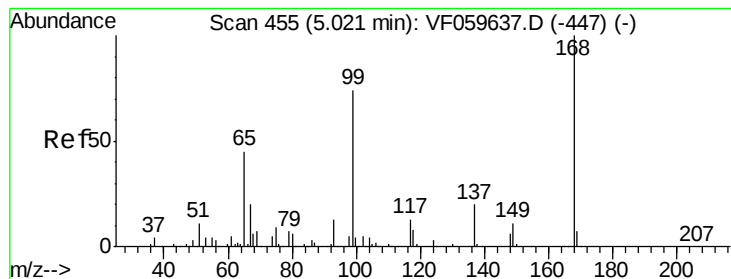
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072518\
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Response via : Initial Calibration

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 :

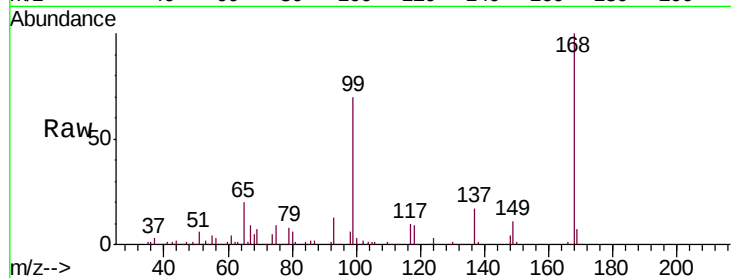
VF0725SBS01

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

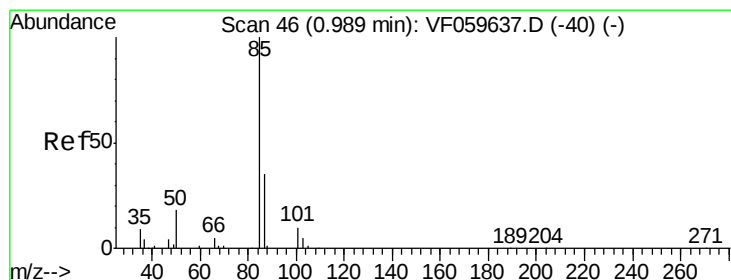
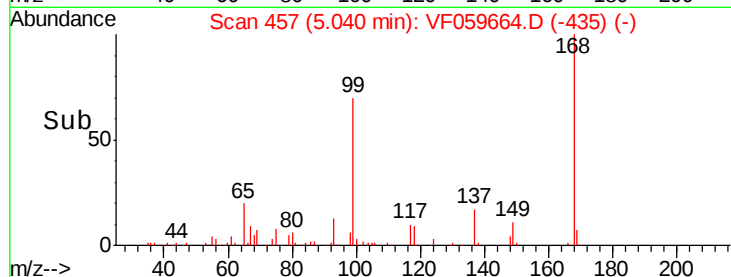
40000

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

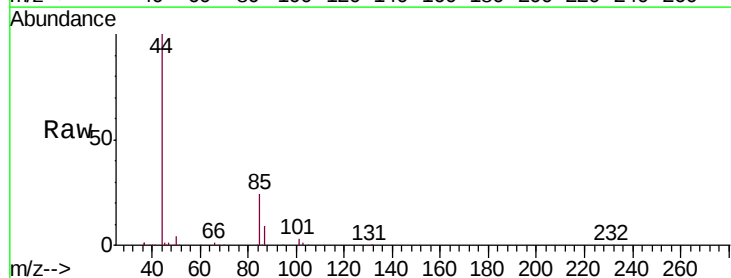
Acq: 25 Jul 2018 18:12

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

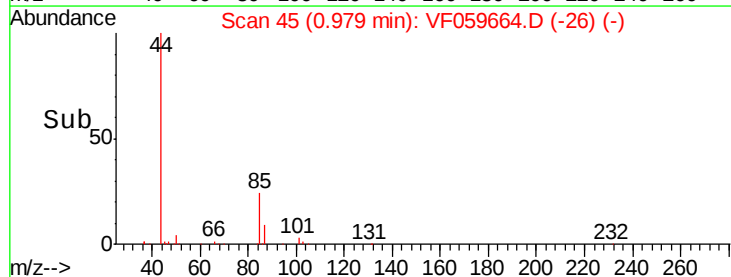
10000

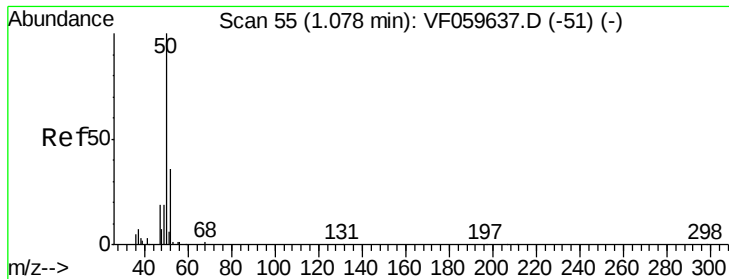
5000

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 :

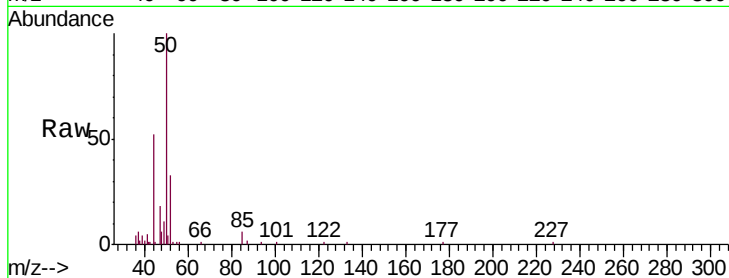
VF0725SBS01

Tot Ion: 50 Resp: 30970

Ion Ratio Lower Upper

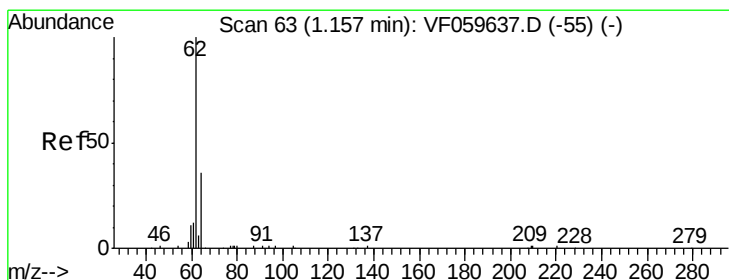
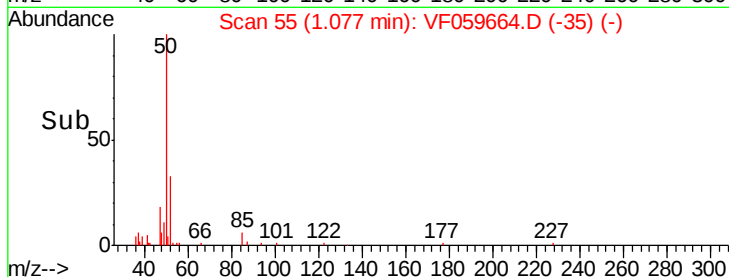
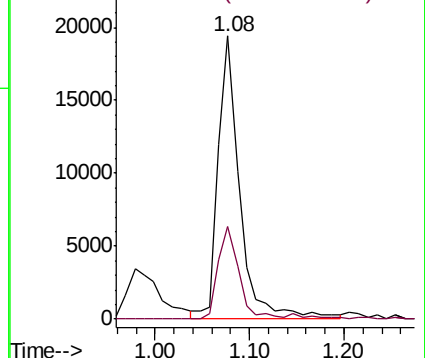
50 100

52 32.9 28.0 42.0



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 26.63 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.02 min

Lab File: VF059664.D

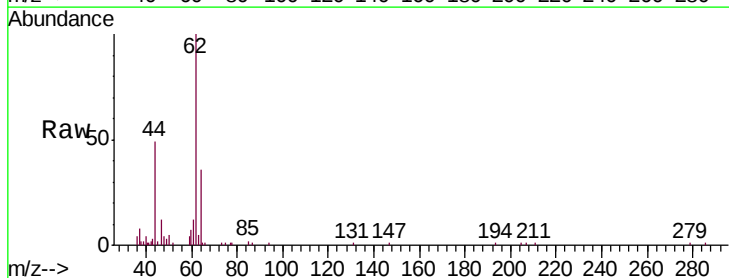
Acq: 25 Jul 2018 18:12

Tgt Ion: 62 Resp: 32708

Ion Ratio Lower Upper

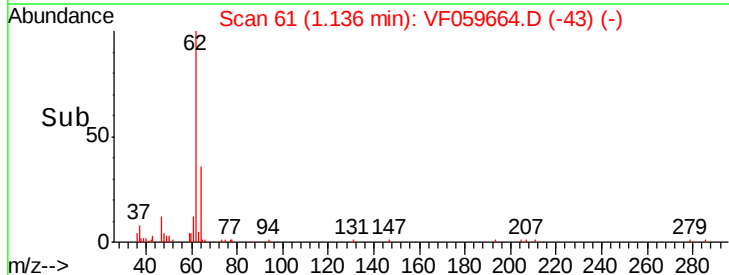
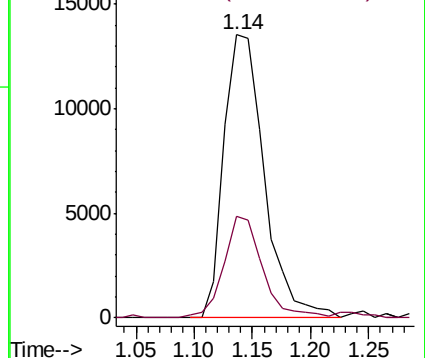
62 100

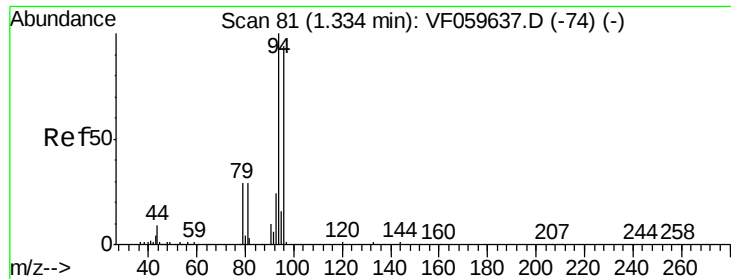
64 35.8 28.6 43.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#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 :

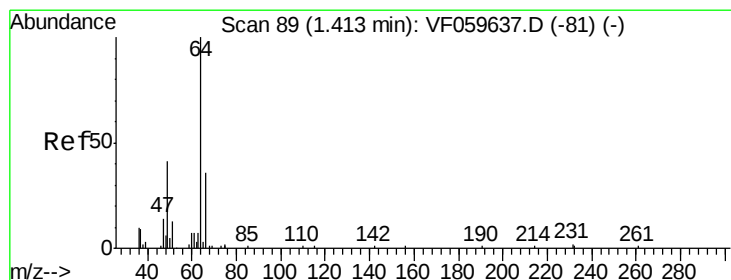
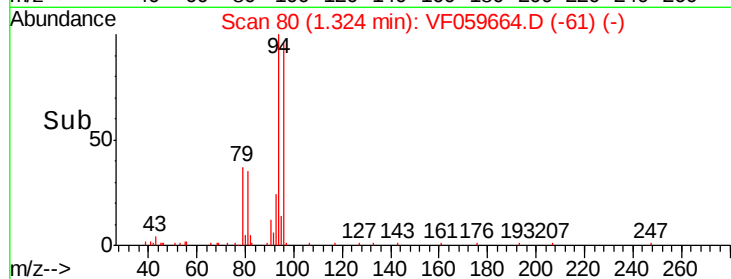
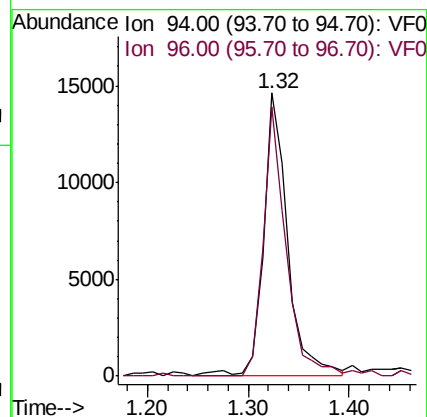
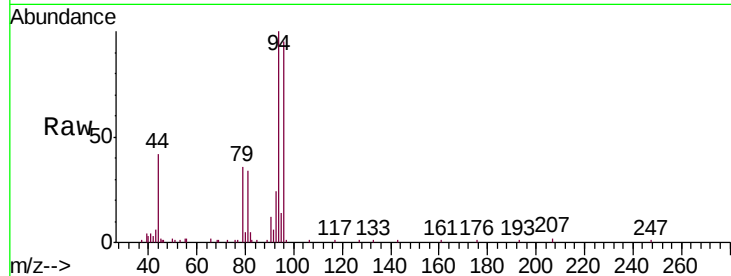
VF0725SBS01

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

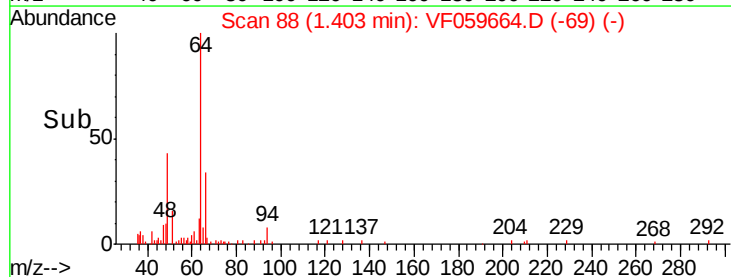
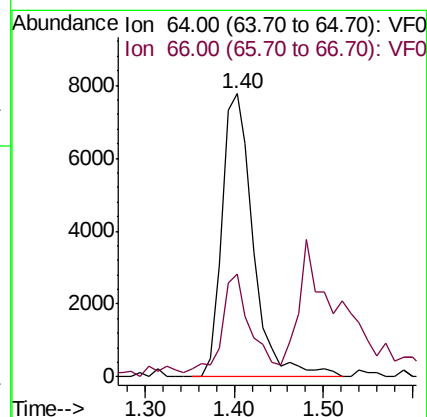
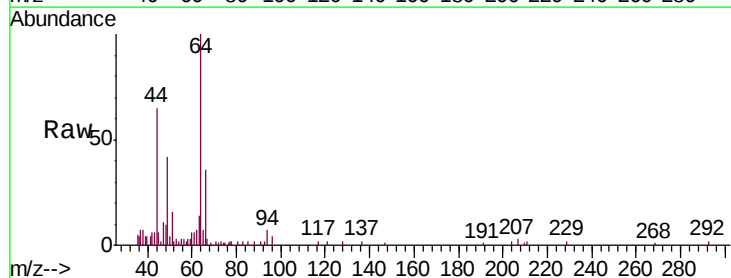
Acq: 25 Jul 2018 18:12

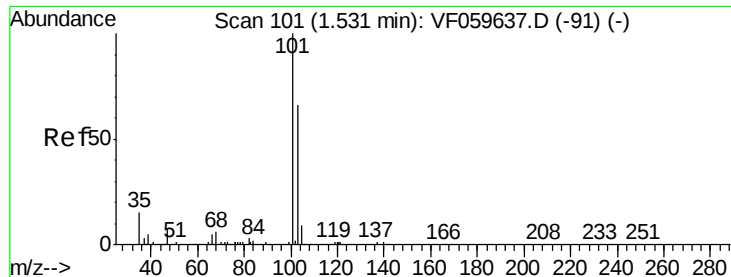
Tgt Ion: 64 Resp: 19160

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 :

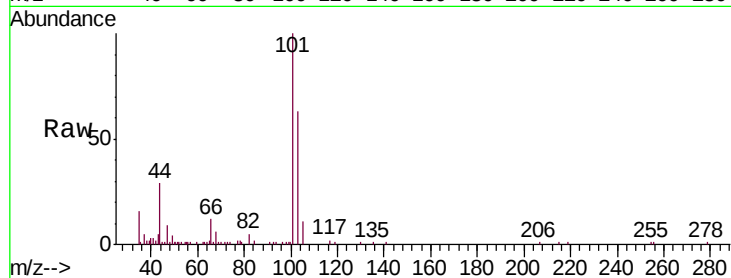
VF0725SBS01

Tot Ion:101 Resp: 84413

Ion Ratio Lower Upper

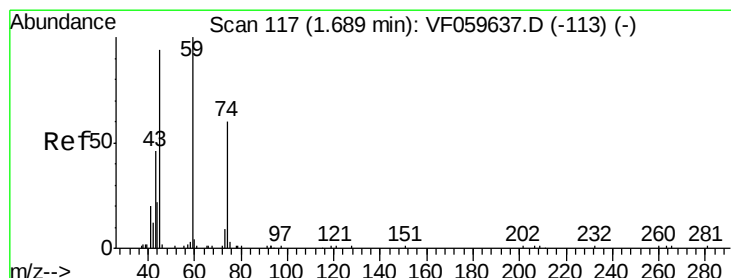
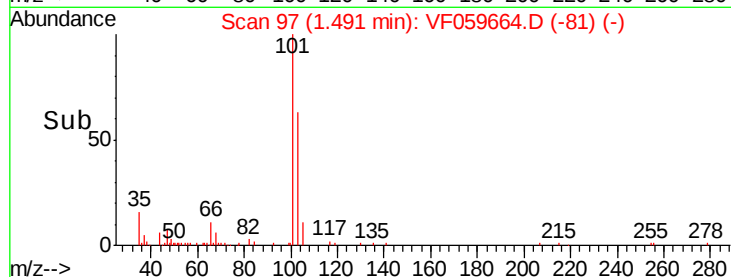
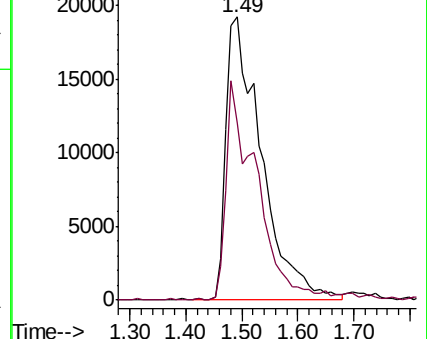
101 100

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

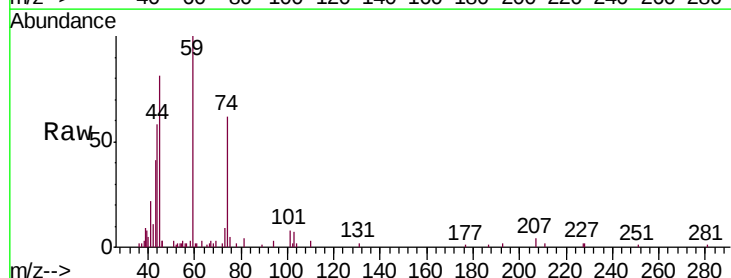
Acq: 25 Jul 2018 18:12

Tgt Ion: 74 Resp: 8416

Ion Ratio Lower Upper

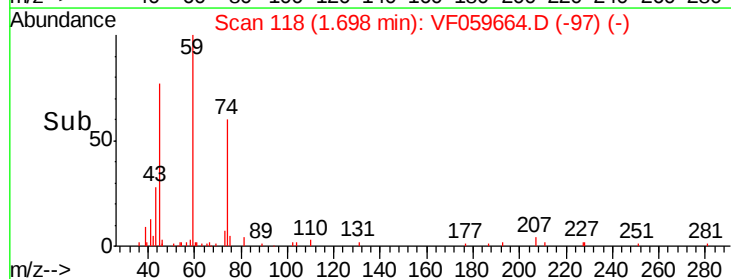
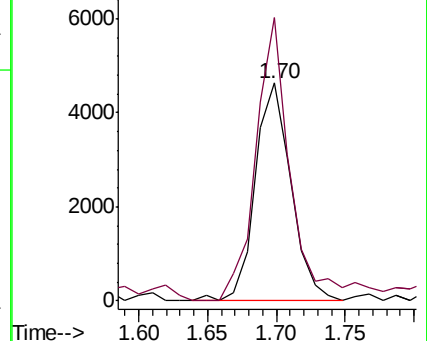
74 100

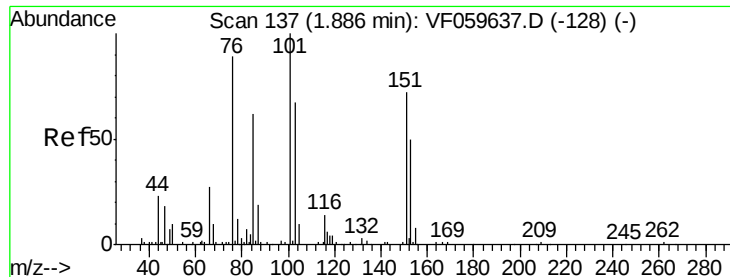
45 130.1 80.3 241.0



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

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ClientSampleId :

VF0725SBS01

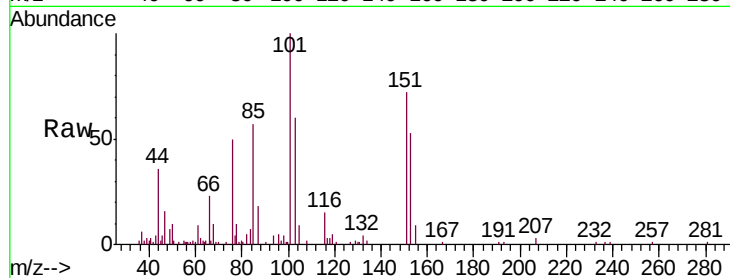
Tot Ion:101 Resp: 43543

Ion Ratio Lower Upper

101 100

85 56.8 49.0 73.4

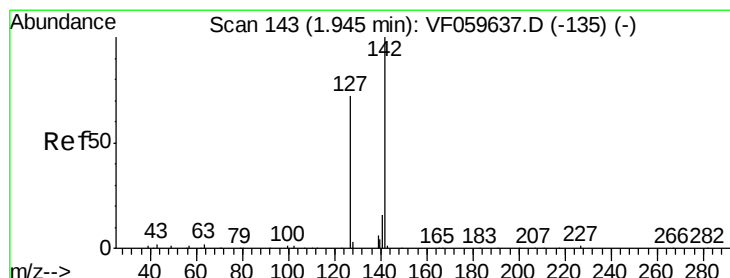
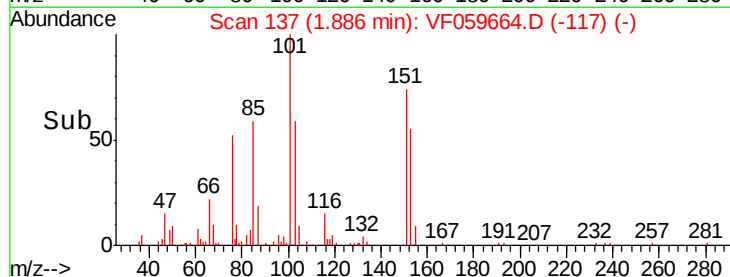
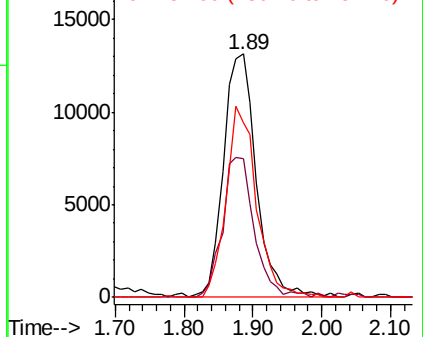
151 71.9 56.8 85.2



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

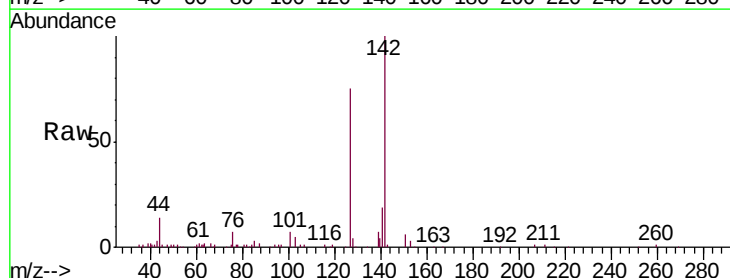
Tgt Ion:142 Resp: 64013

Ion Ratio Lower Upper

142 100

127 74.8 57.5 86.3

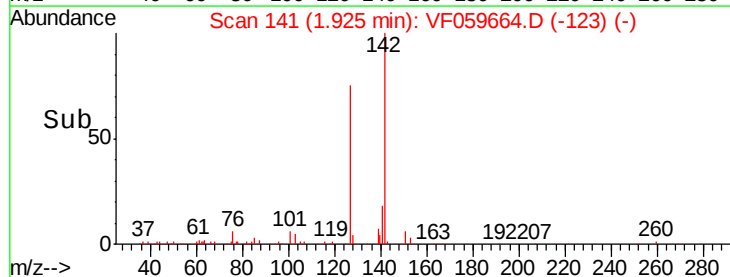
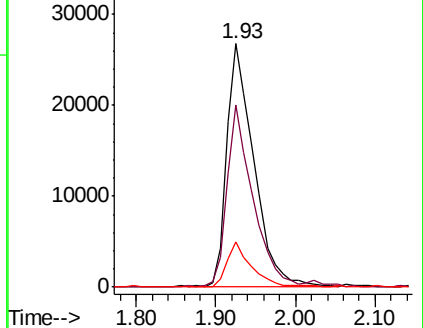
141 18.6 13.2 19.8

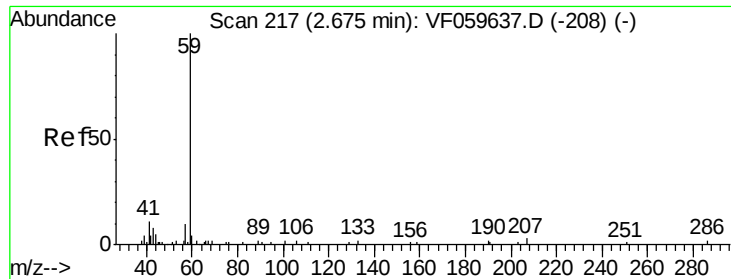


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



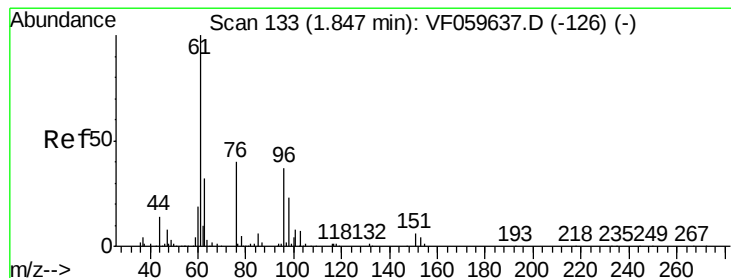
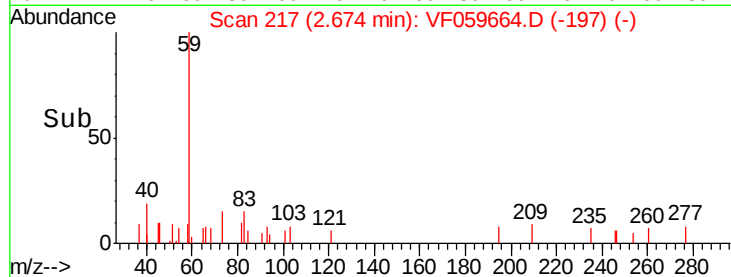
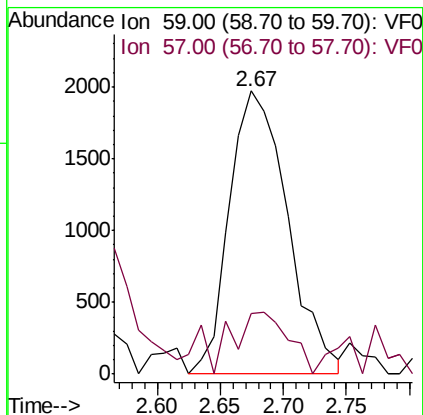
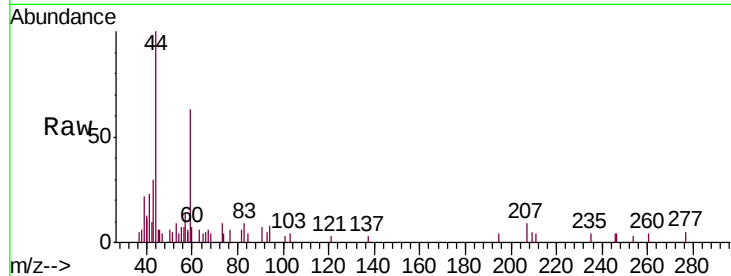


#11

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

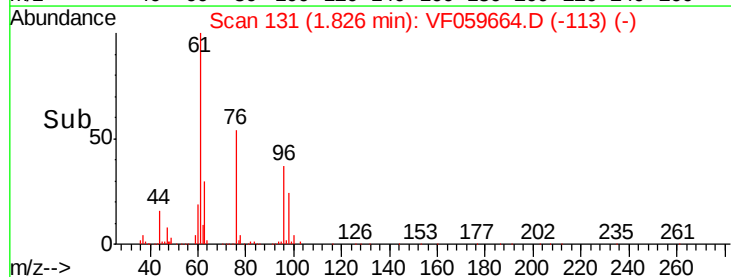
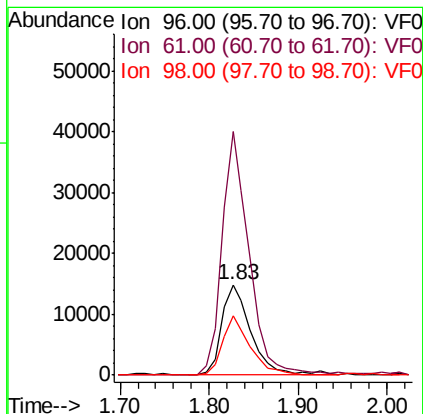
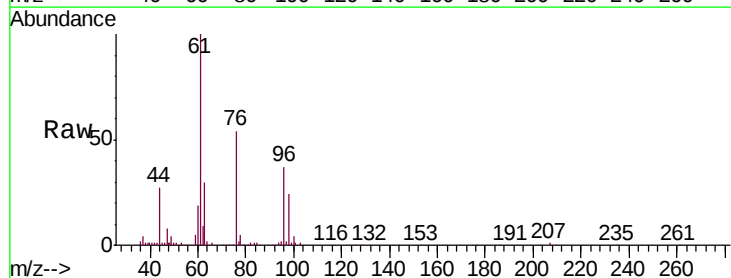
Tot Ion: 59 Resp: 6339
 Ion Ratio Lower Upper
 59 100
 57 21.4 11.4 17.2#

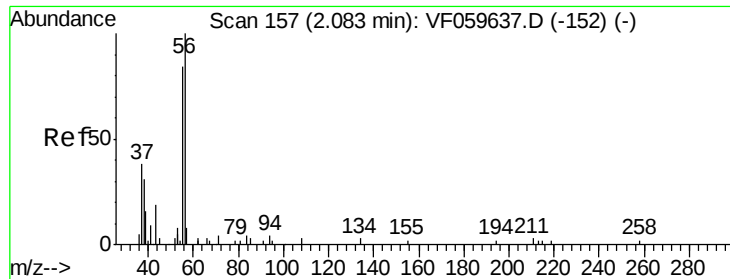


#12

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

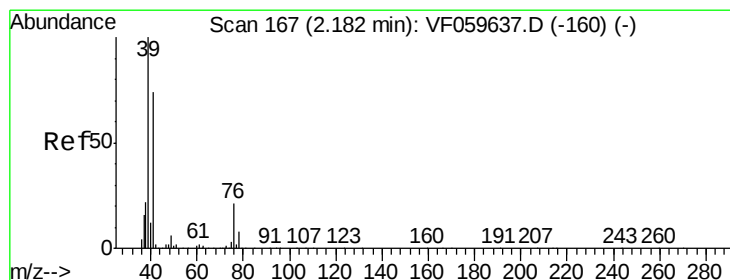
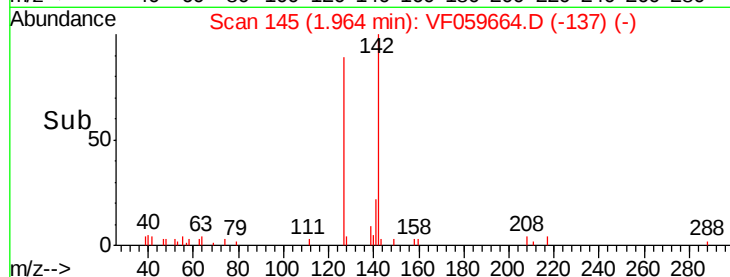
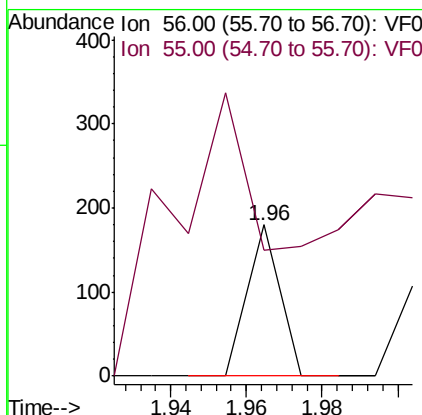
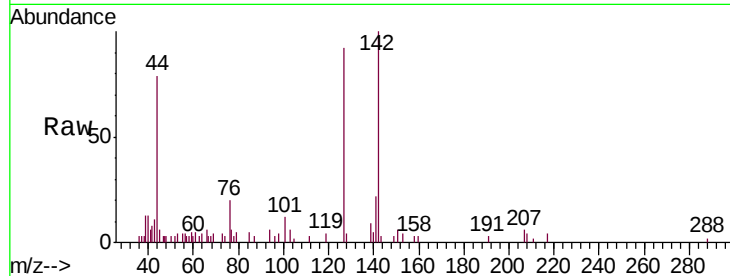




#13
Acrolein
Concen: 2.19 ug/l
RT: 1.96 min Scan# 145
Delta R.T. -0.12 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

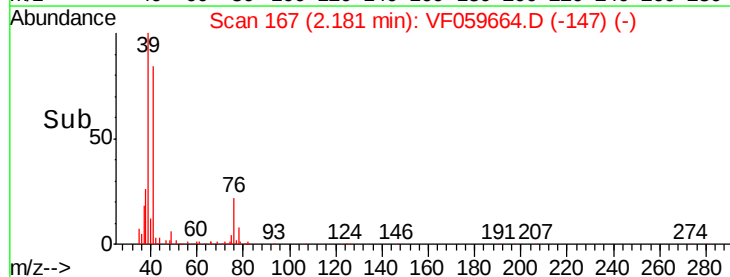
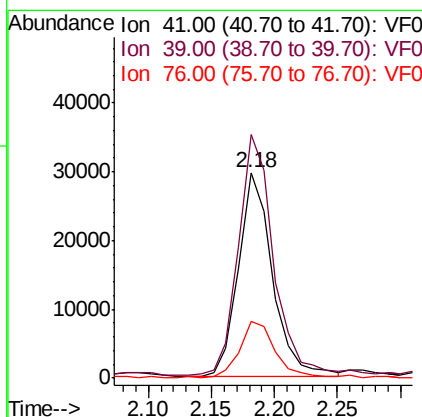
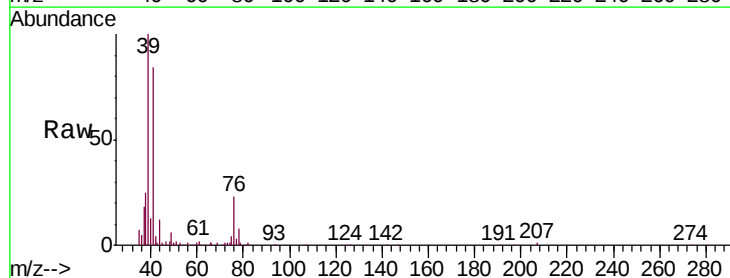
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

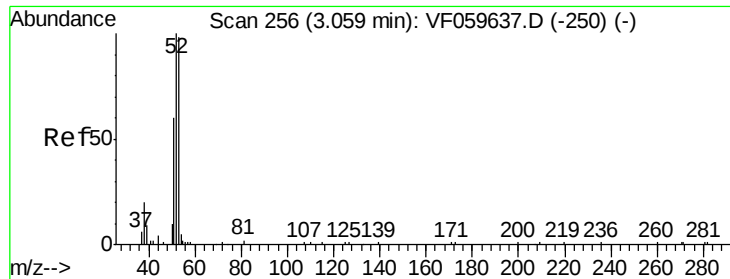
Tot Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 83.3 67.2 100.8



#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

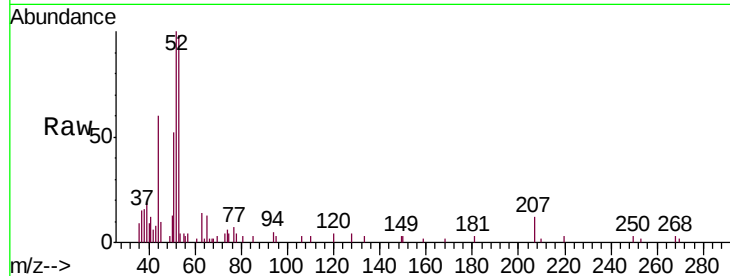
Tot Ion: 53 Resp: 12489

Ion Ratio Lower Upper

53 100

52 102.0 80.9 121.3

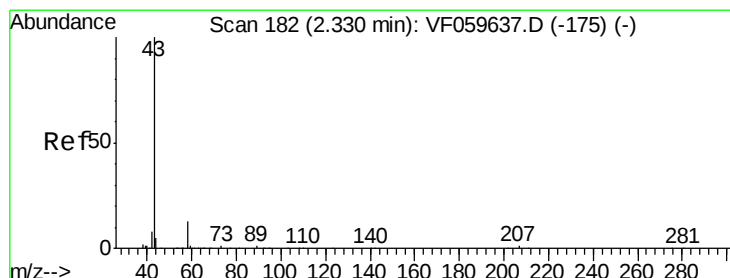
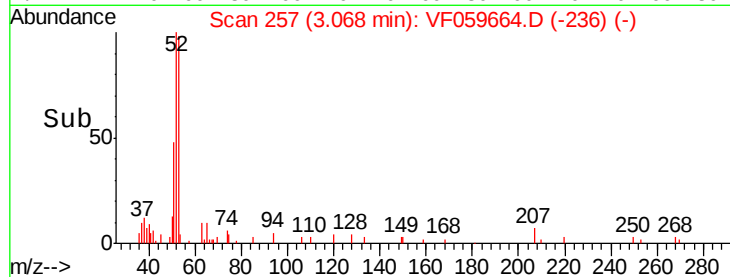
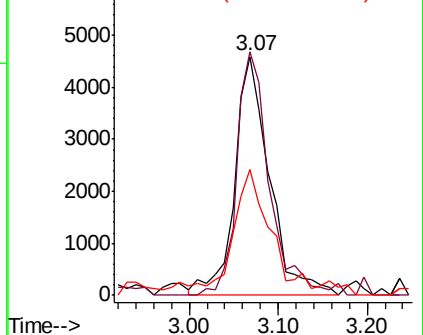
51 53.0 49.4 74.2



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

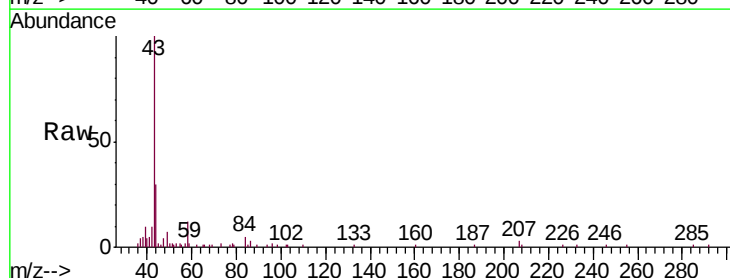
Acq: 25 Jul 2018 18:12

Tgt Ion: 43 Resp: 26560

Ion Ratio Lower Upper

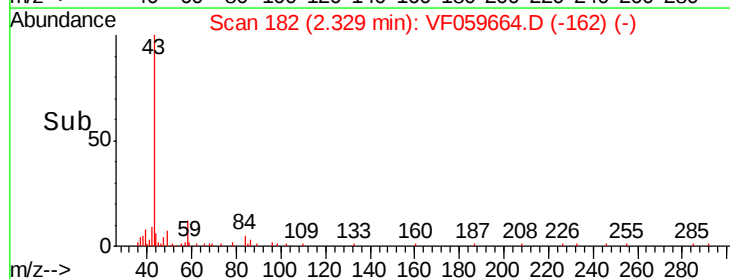
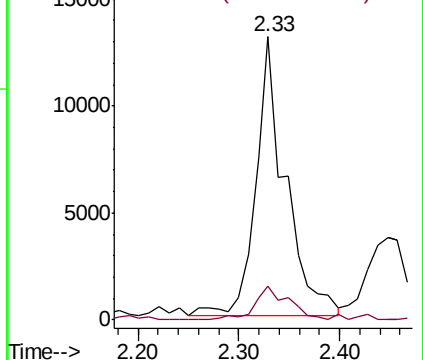
43 100

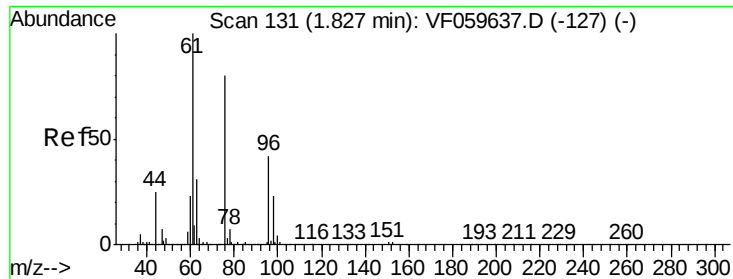
58 11.8 10.2 15.2



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 :

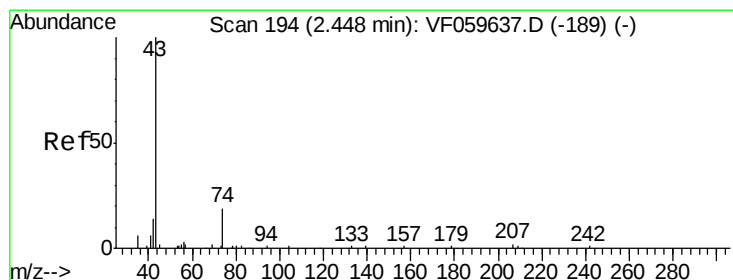
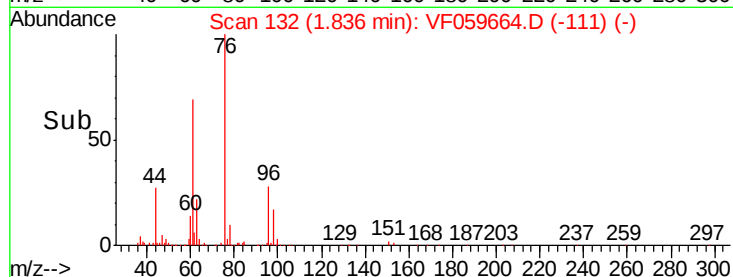
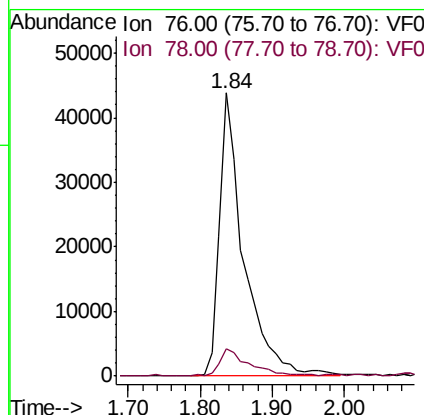
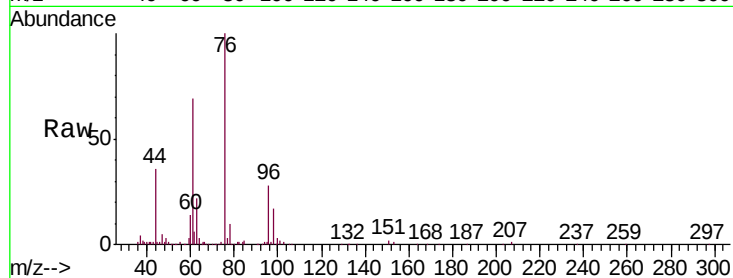
VF0725SBS01

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

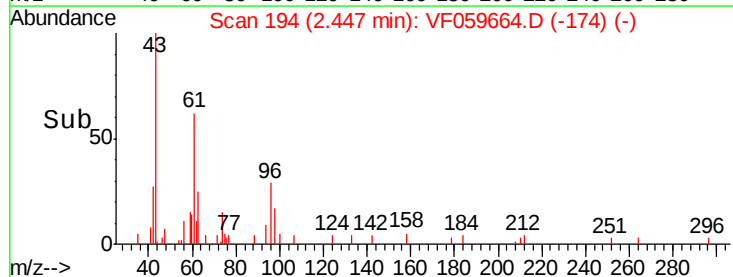
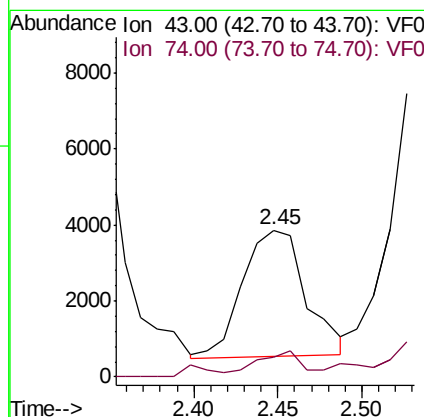
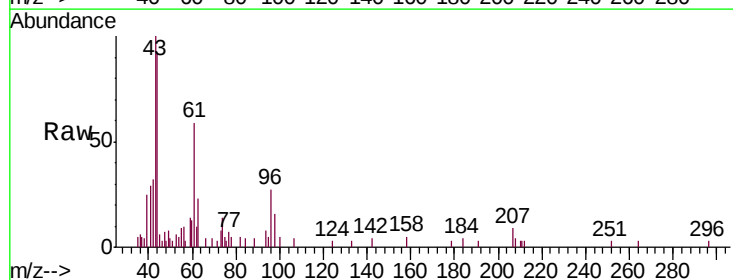
Acq: 25 Jul 2018 18:12

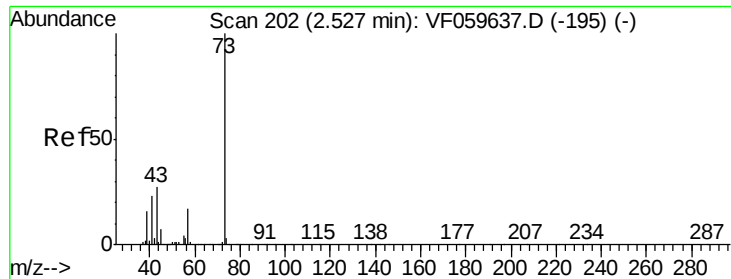
Tgt Ion: 43 Resp: 8717

Ion Ratio Lower Upper

43 100

74 13.8 13.0 19.6



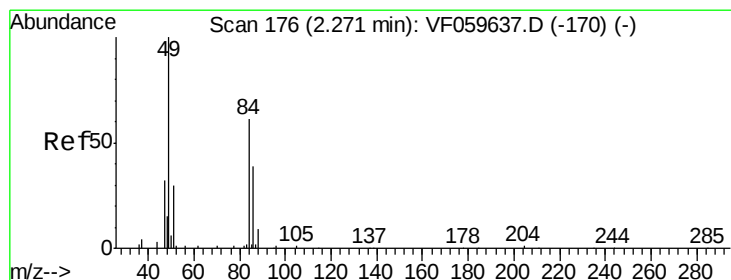
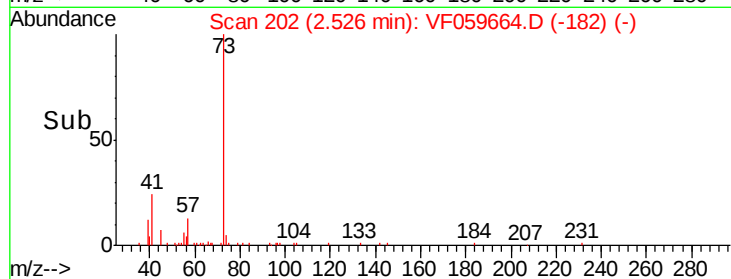
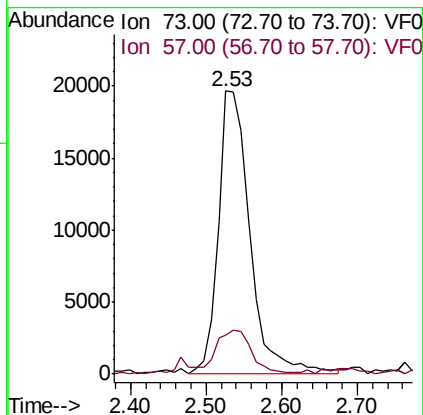
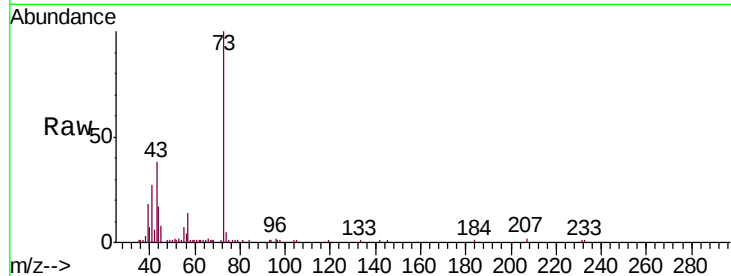


#19

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

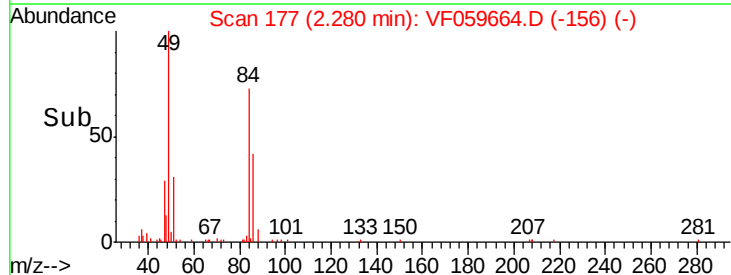
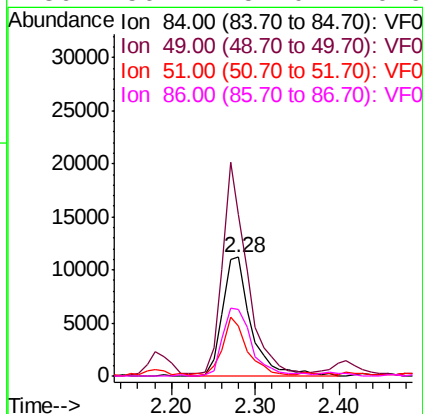
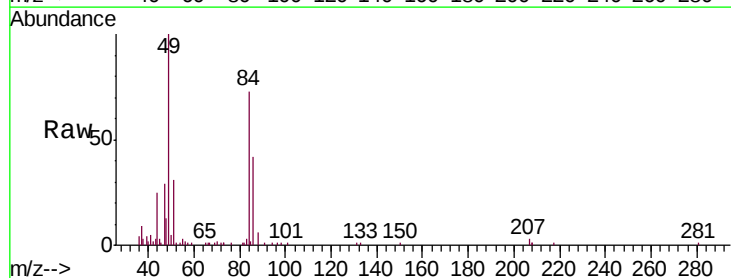
Tot Ion: 73 Resp: 57230
 Ion Ratio Lower Upper
 73 100
 57 13.8 14.2 21.4#

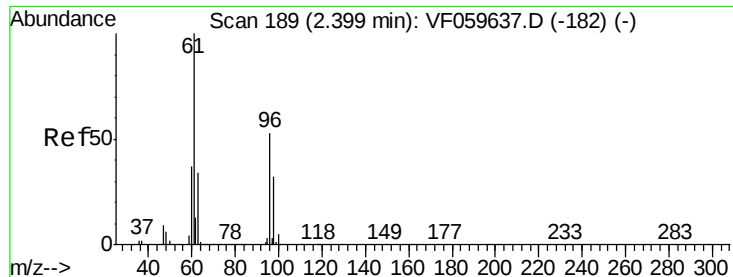


#20

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

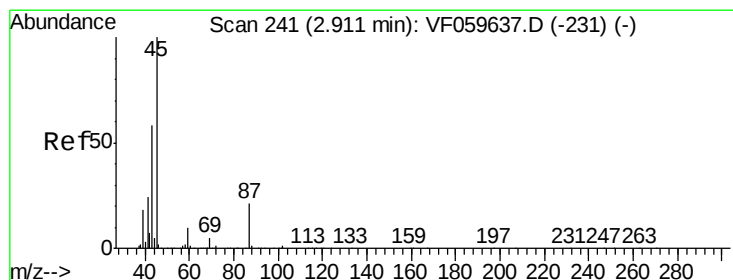
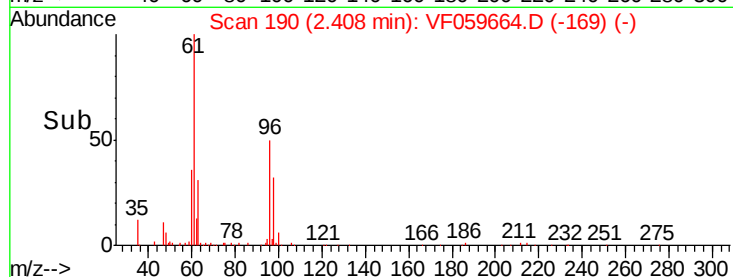
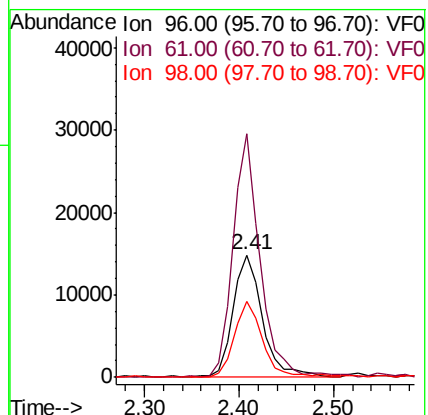
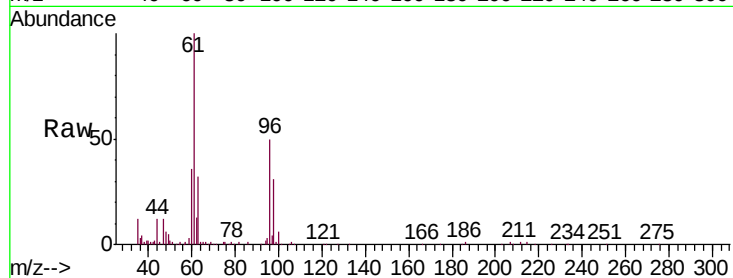
Tot Ion: 96 Resp: 32297

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

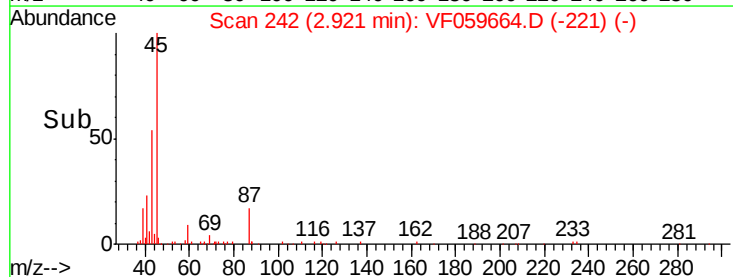
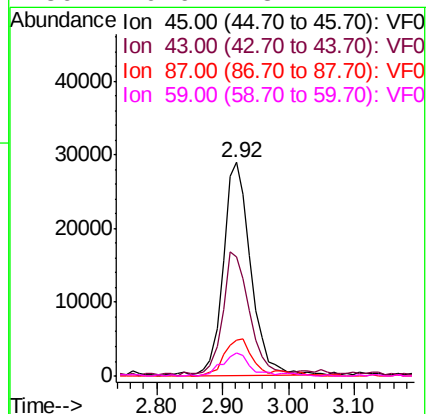
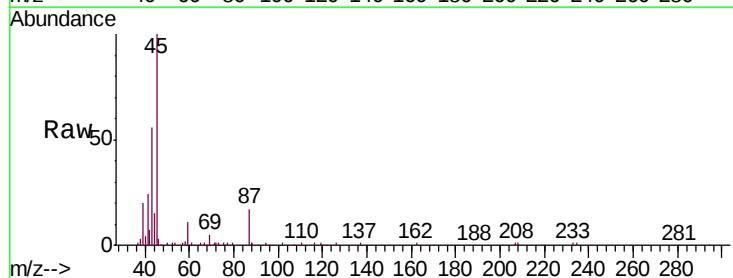
Ion Ratio Lower Upper

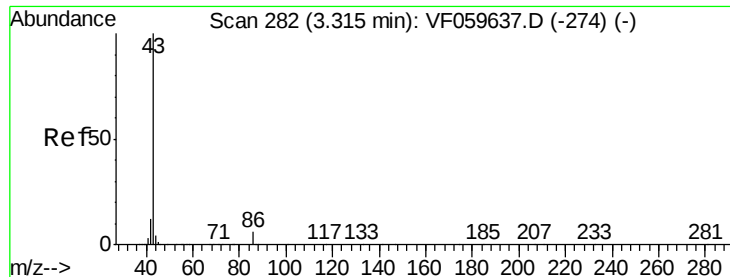
45 100

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 :

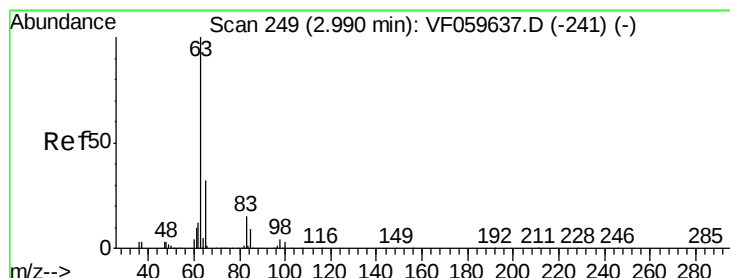
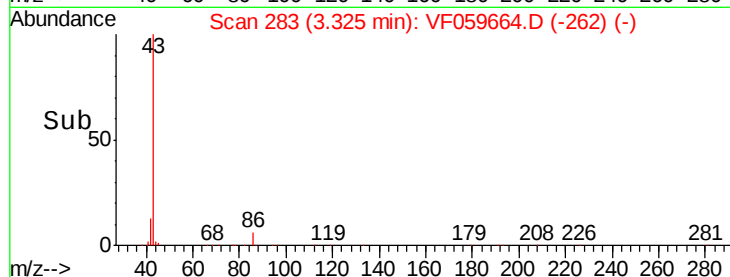
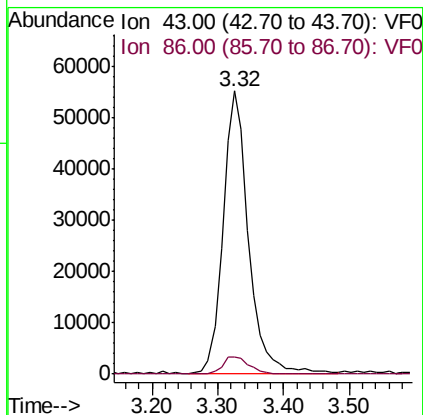
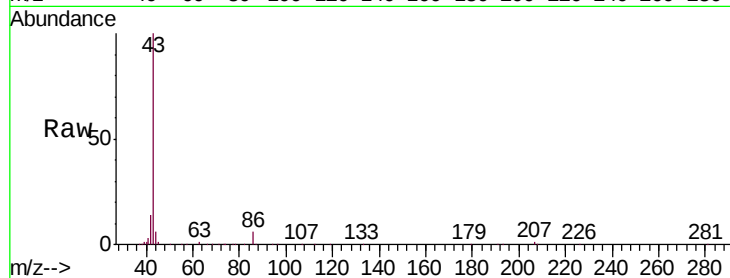
VF0725SBS01

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

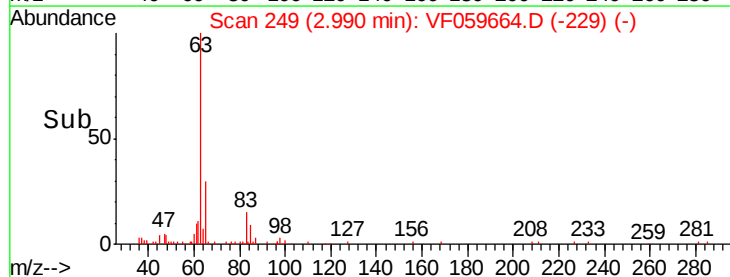
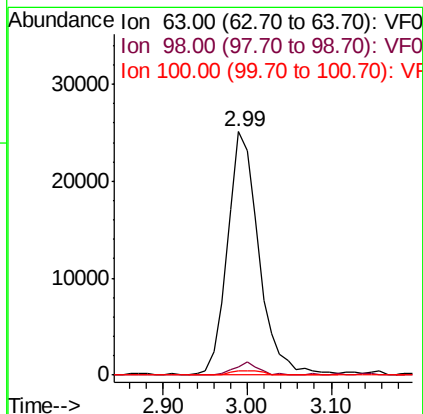
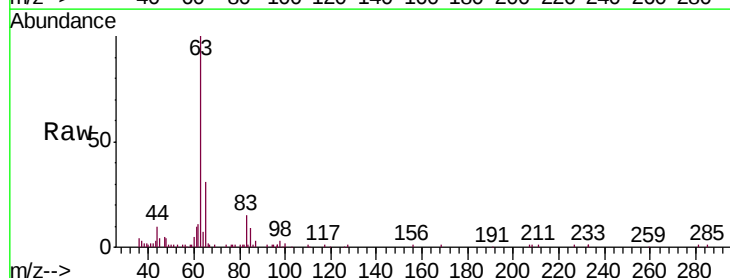
Tgt Ion: 63 Resp: 65109

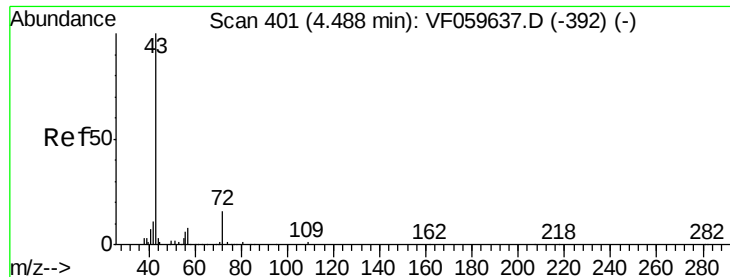
Ion Ratio Lower Upper

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 :

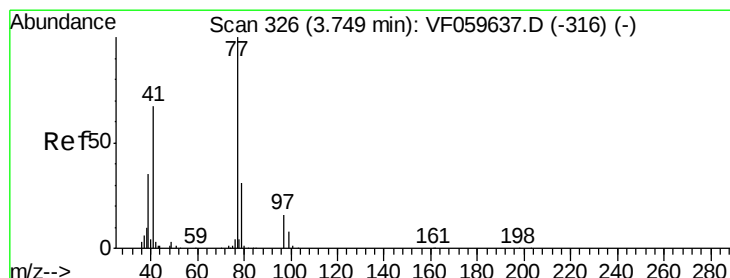
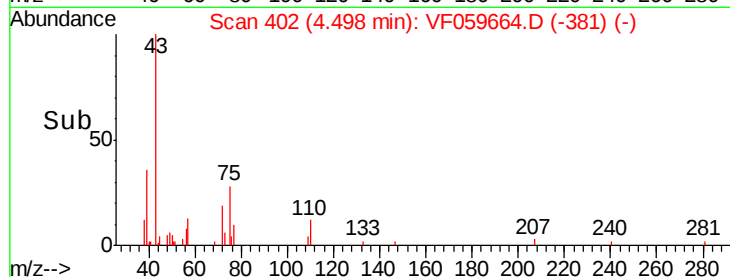
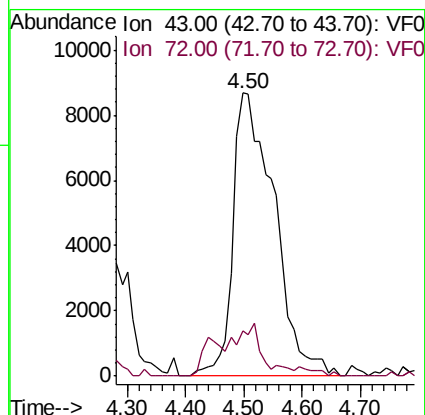
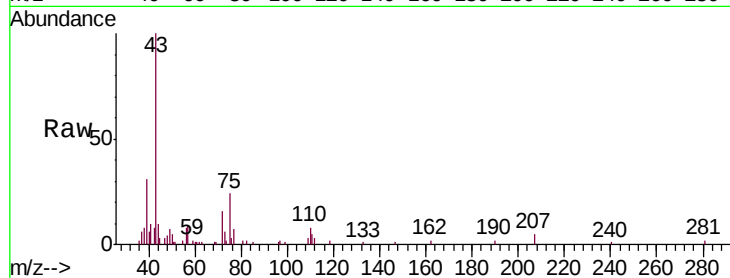
VF0725SBS01

Tot Ion: 43 Resp: 43023

Ion Ratio Lower Upper

43 100

72 15.9 13.5 20.3



#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

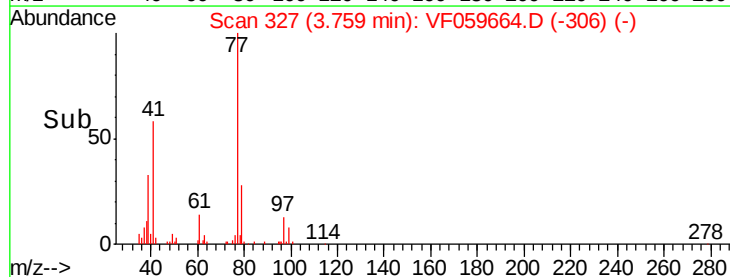
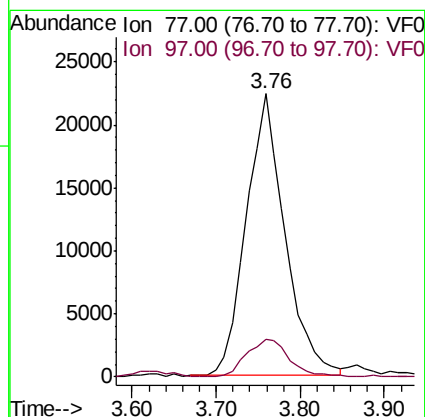
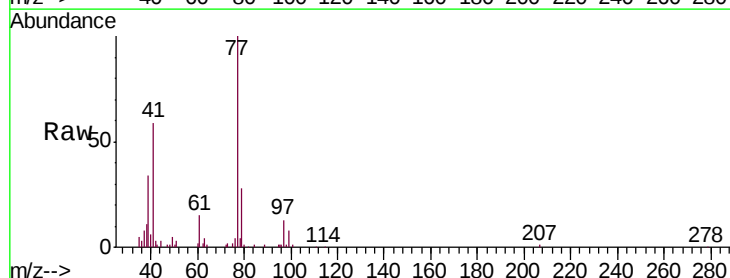
Acq: 25 Jul 2018 18:12

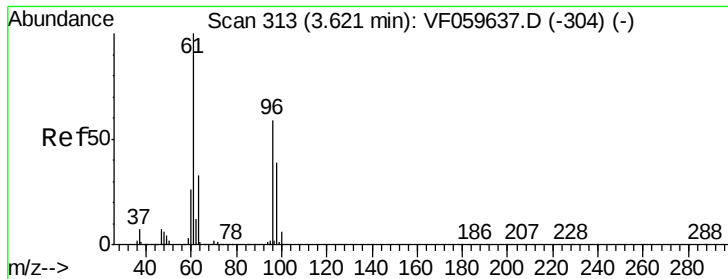
Tgt Ion: 77 Resp: 72097

Ion Ratio Lower Upper

77 100

97 13.2 7.8 23.3



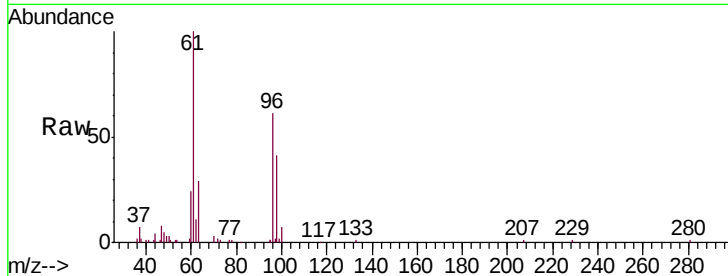


#27

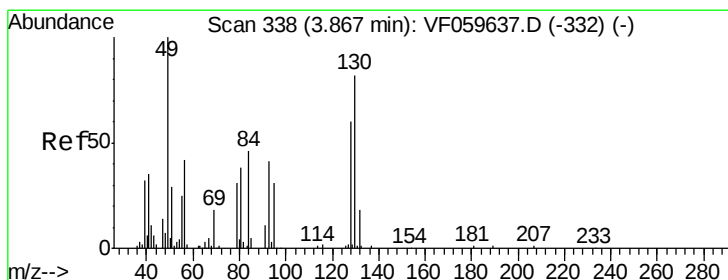
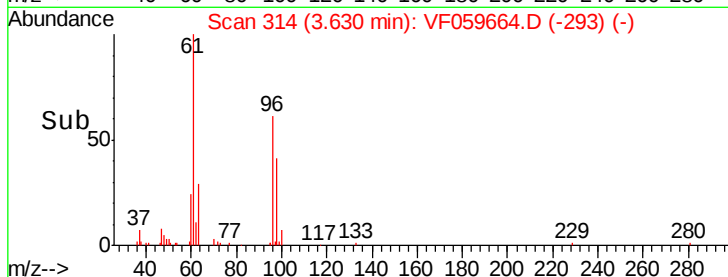
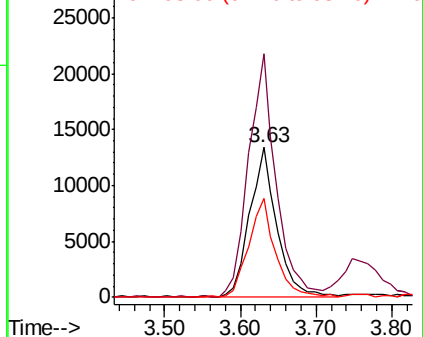
cis-1,2-Dichloroethene
Concen: 20.23 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

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



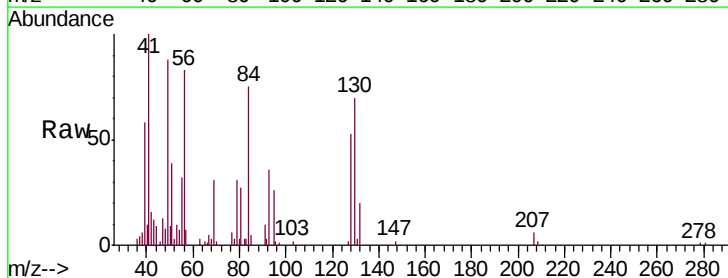
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



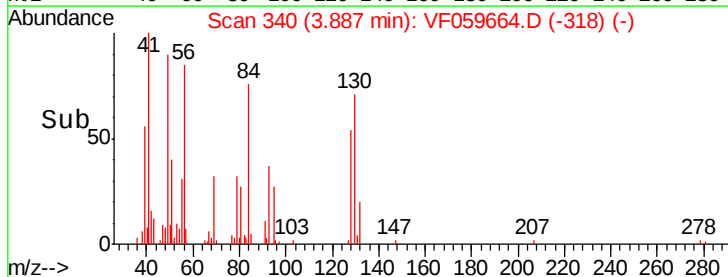
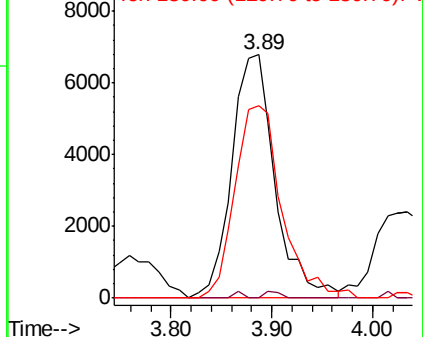
#28

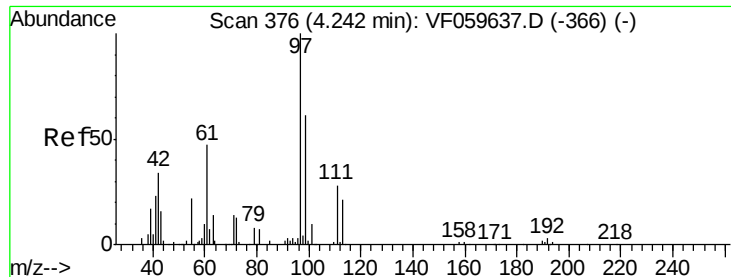
Bromochloromethane
Concen: 17.44 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

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

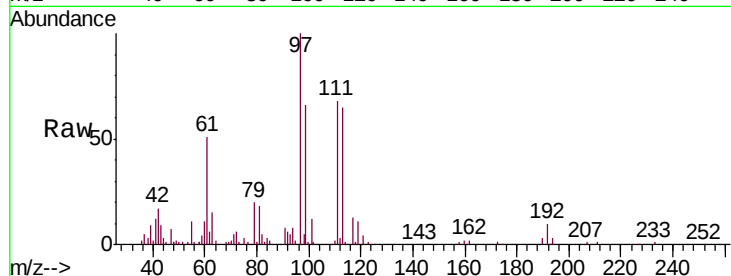
Tot Ion: 42 Resp: 13184

Ion Ratio Lower Upper

42 100

72 35.4 30.0 45.0

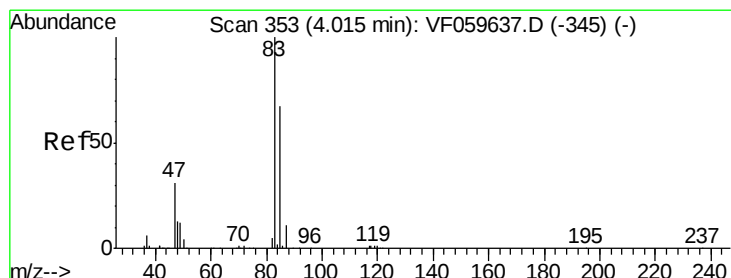
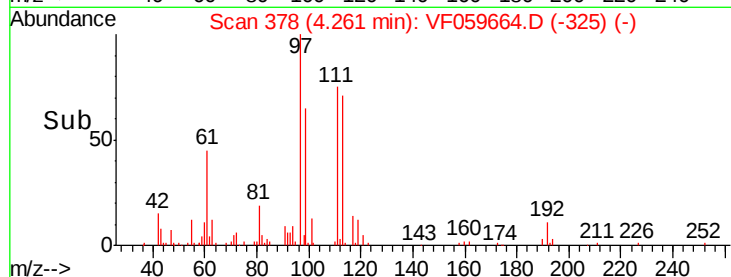
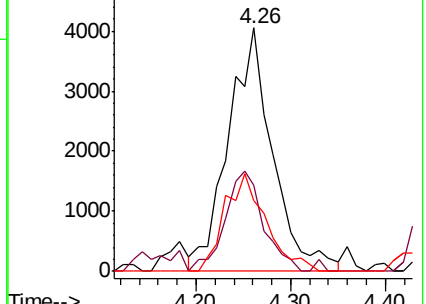
71 37.4 28.6 42.8



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

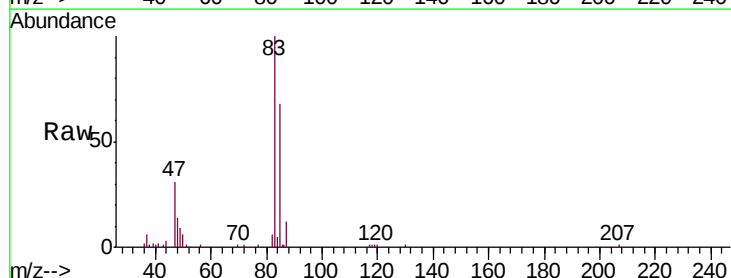
Acq: 25 Jul 2018 18:12

Tgt Ion: 83 Resp: 80263

Ion Ratio Lower Upper

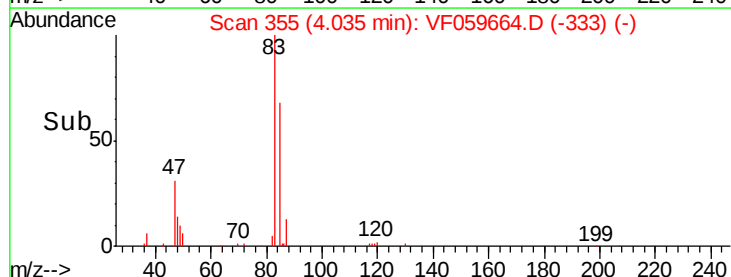
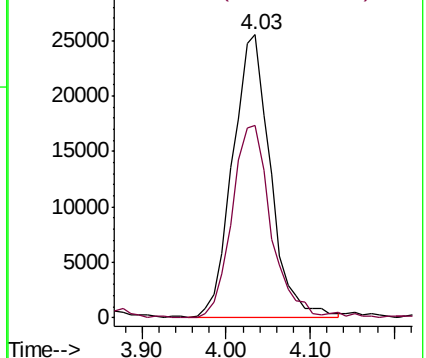
83 100

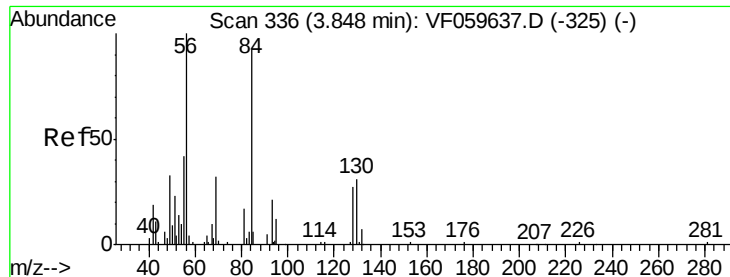
85 68.6 53.8 80.8



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

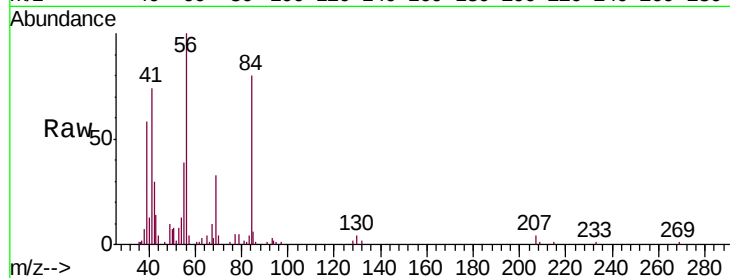
Tot Ion: 56 Resp: 51279

Ion Ratio Lower Upper

56 100

69 33.0 26.0 39.0

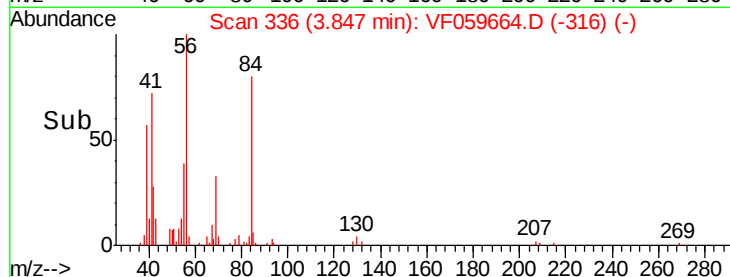
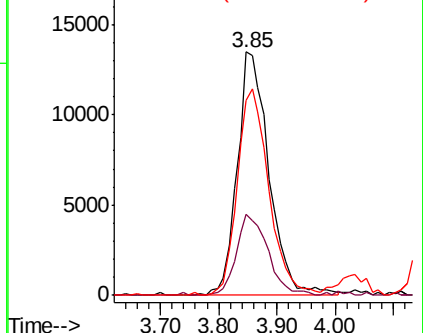
84 80.2 73.5 110.3



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

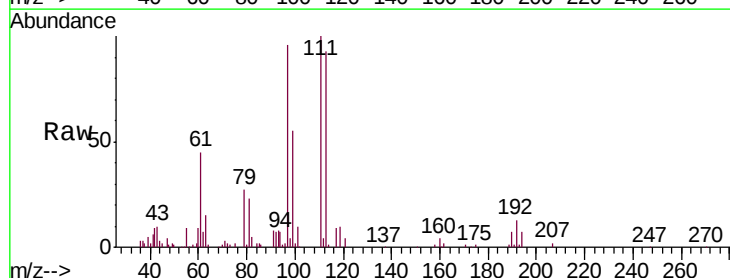
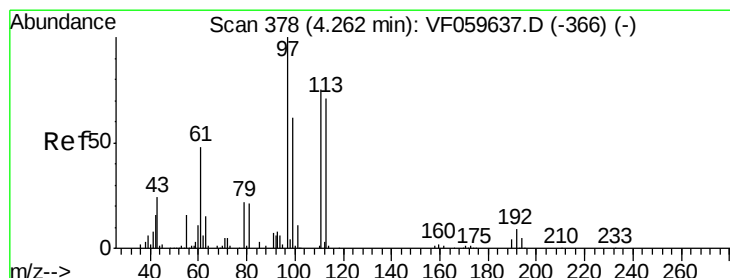
Tgt Ion: 97 Resp: 91121

Ion Ratio Lower Upper

97 100

99 58.0 49.8 74.6

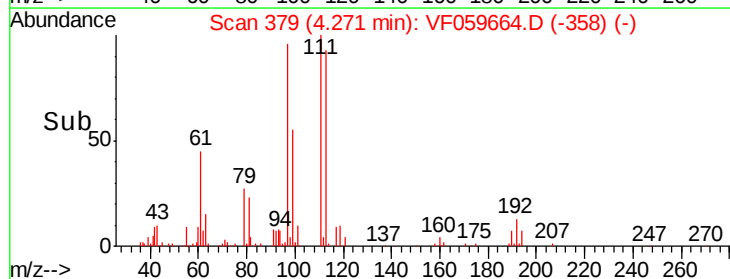
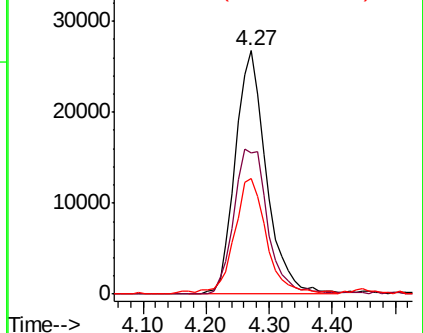
61 47.4 38.9 58.3

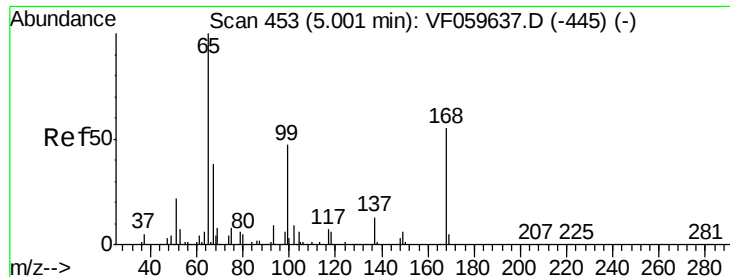


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

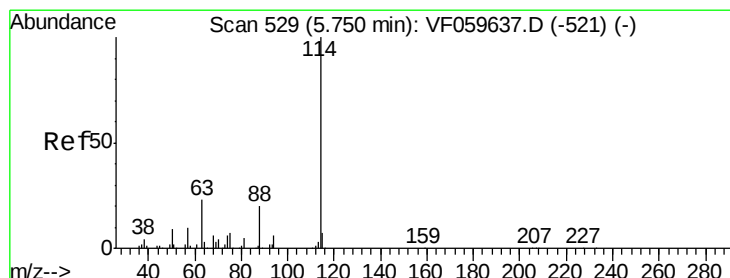
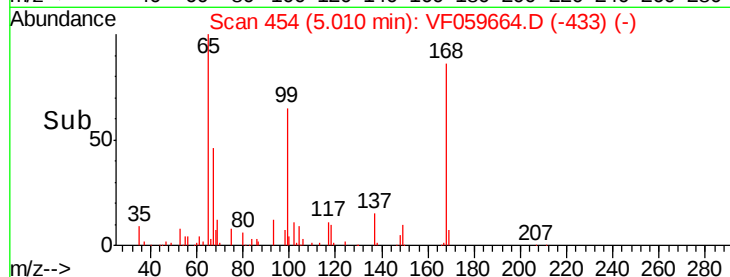
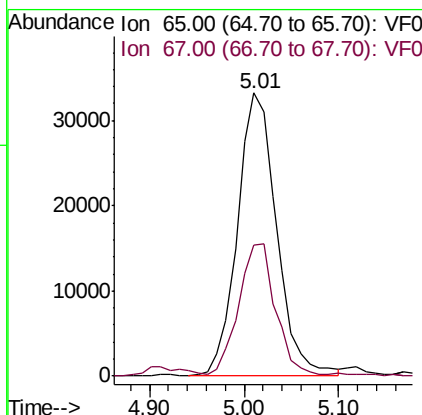
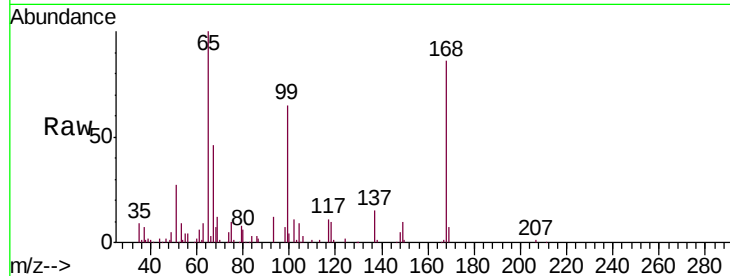




#33
 1,2-Dichloroethane-d4
 Concen: 36.14 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

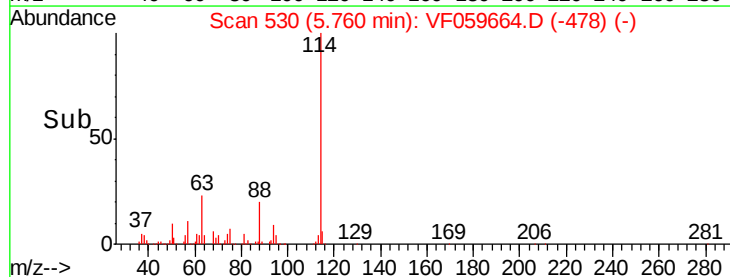
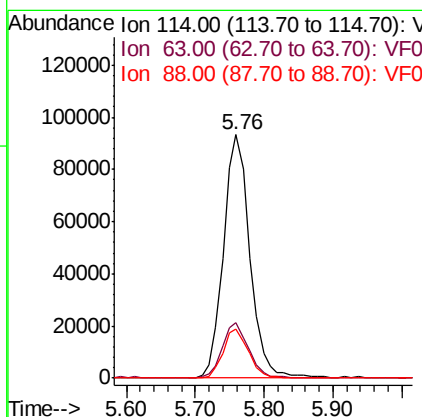
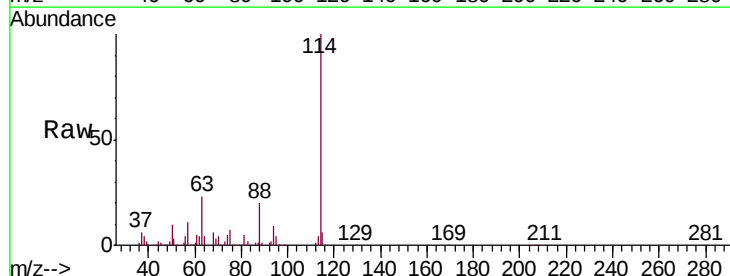
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

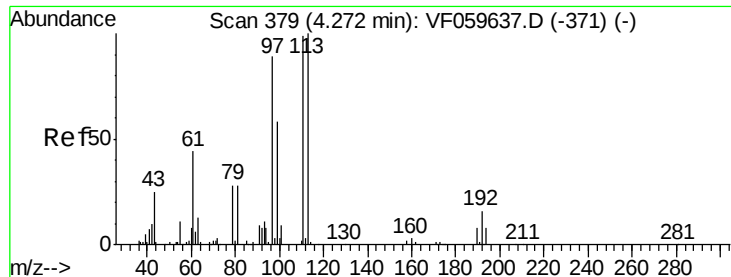
Tot Ion: 65 Resp: 95685
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 86.6



#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

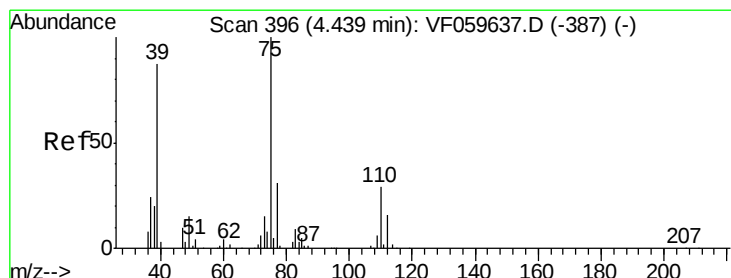
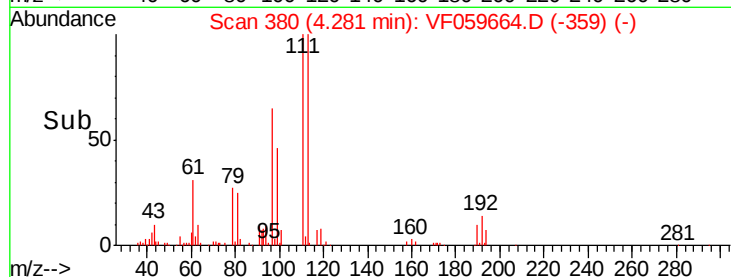
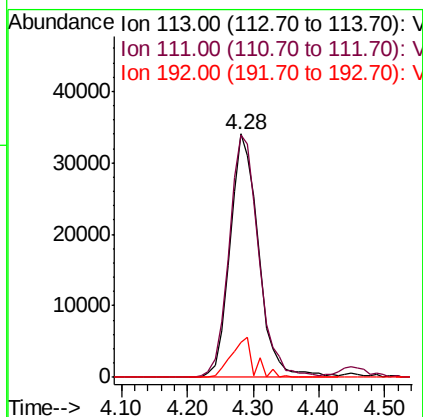
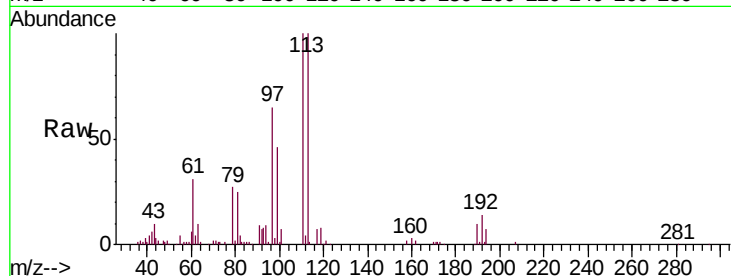




#35
 Dibromofluoromethane
 Concen: 46.55 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

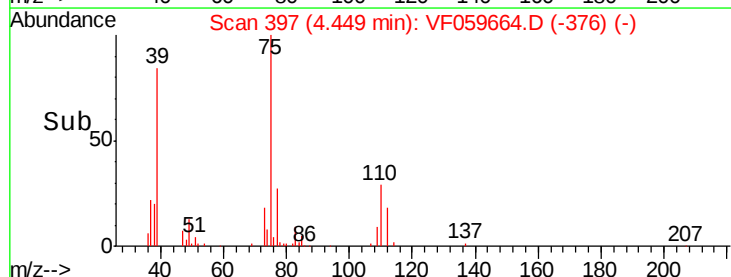
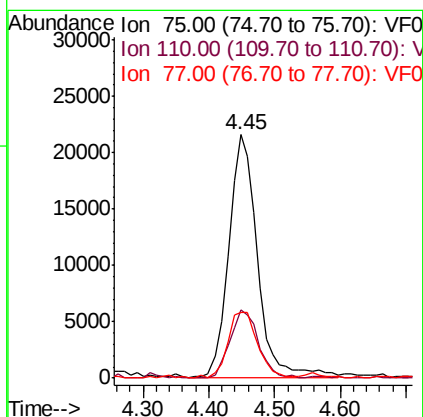
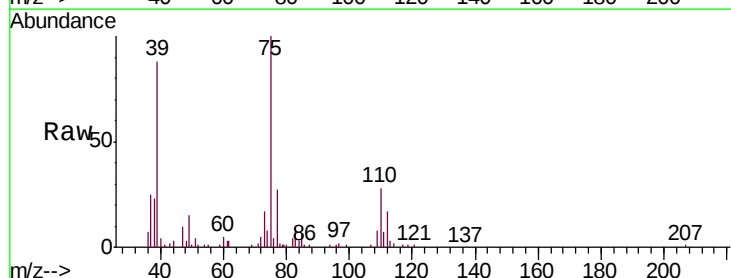
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

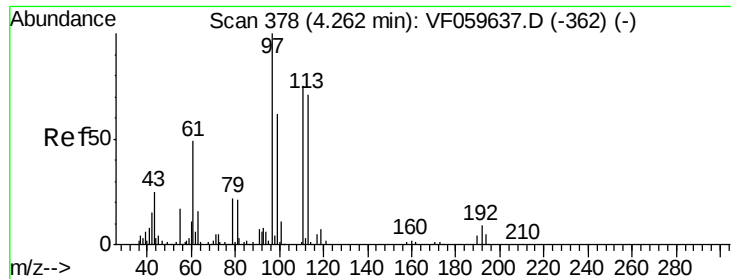
Tot Ion:113 Resp: 103665
 Ion Ratio Lower Upper
 113 100
 111 98.7 79.3 118.9
 192 14.3 13.4 20.2



#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: 75 Resp: 66864
 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

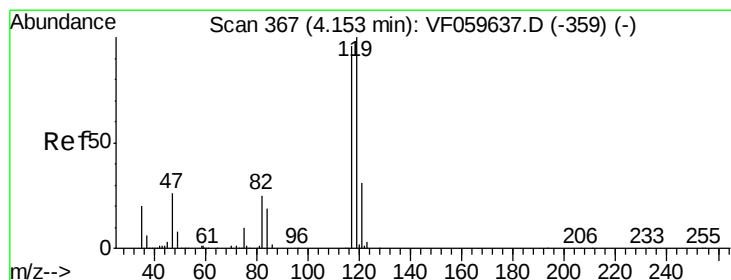
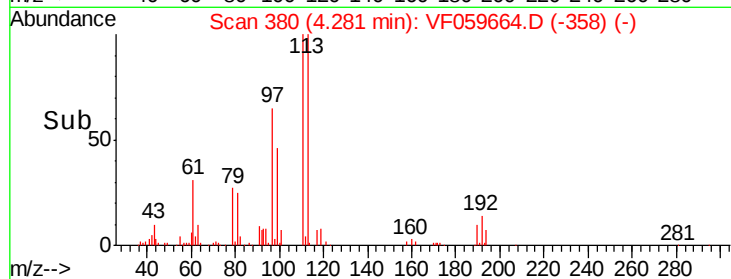
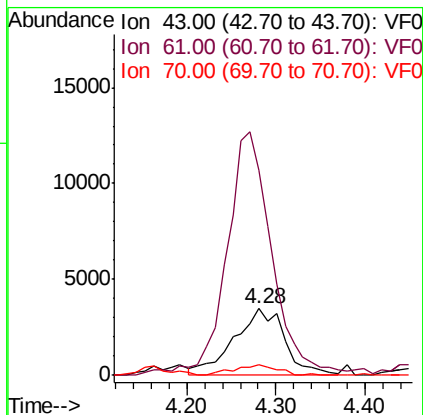
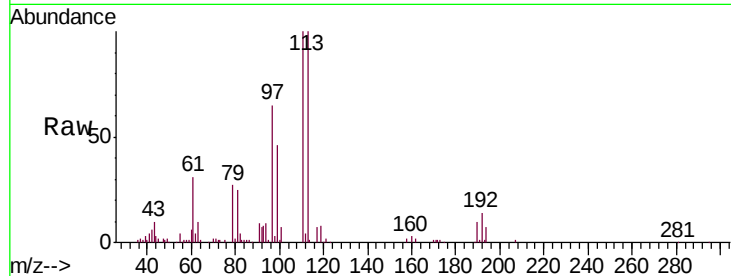
Tot Ion: 43 Resp: 13652

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

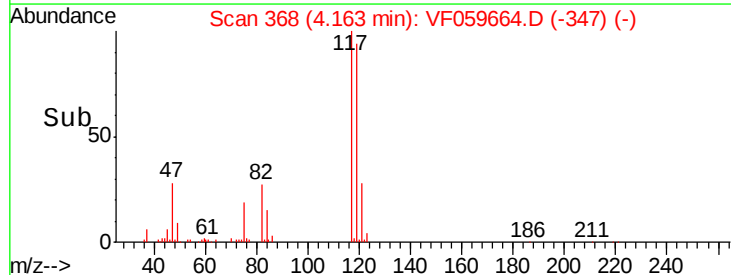
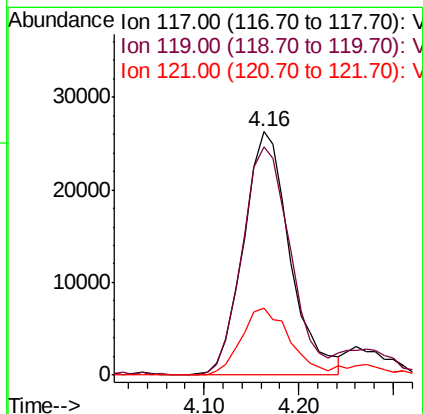
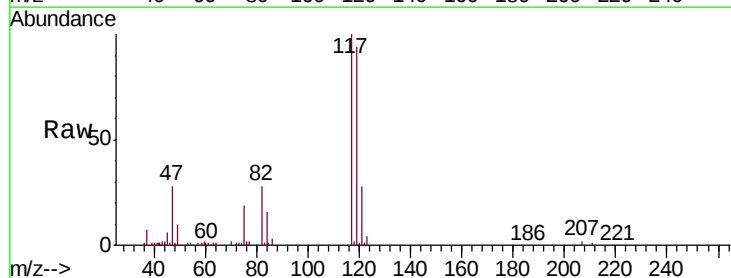
Tgt Ion: 117 Resp: 90143

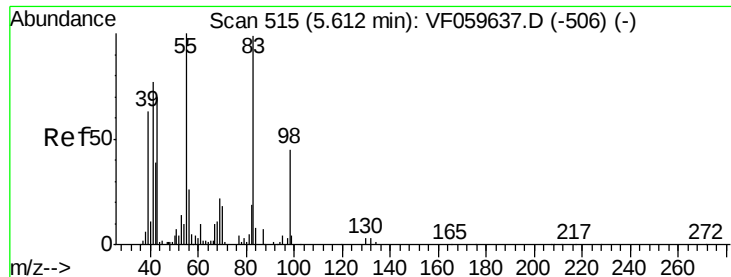
Ion Ratio Lower Upper

117 100

119 93.5 83.0 124.6

121 27.5 26.2 39.4

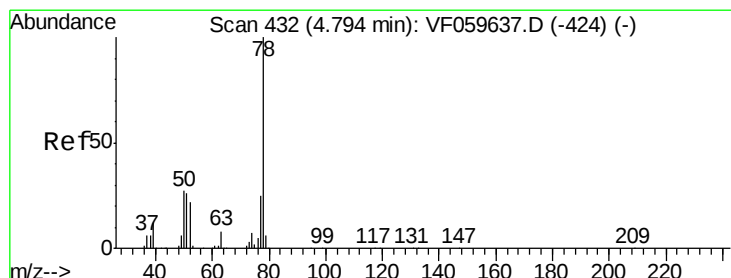
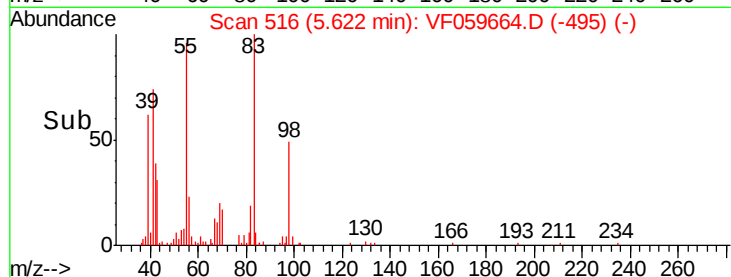
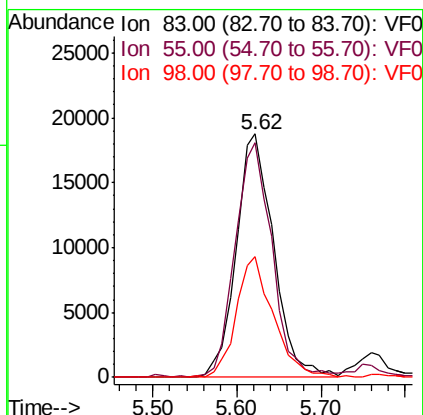
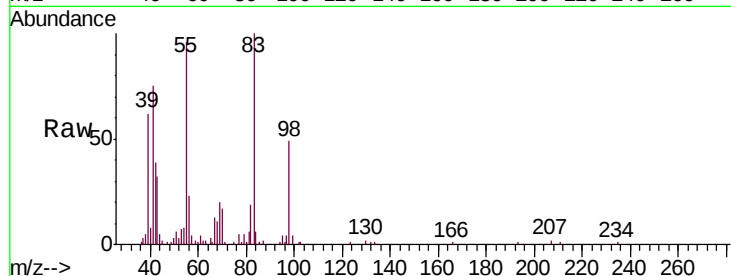




#39
Methylcyclohexane
Concen: 28.34 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

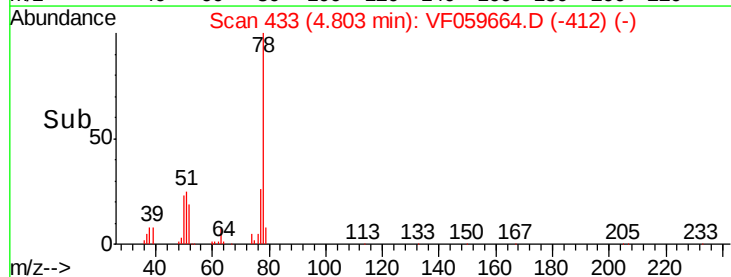
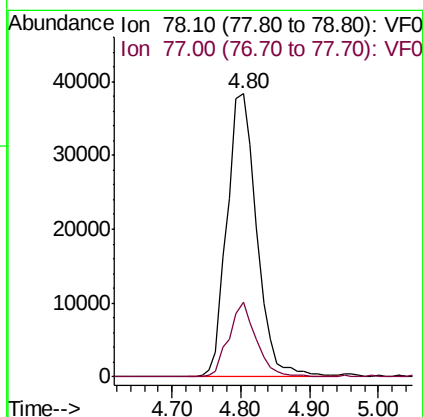
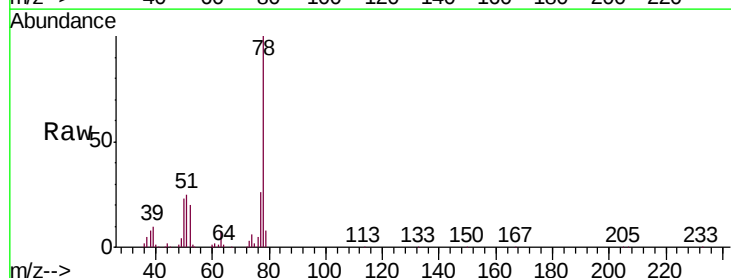
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

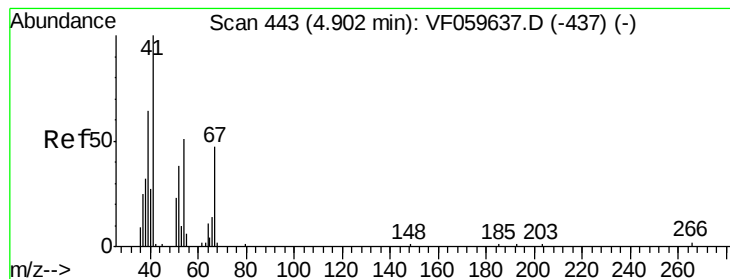
Tot Ion: 83 Resp: 58266
Ion Ratio Lower Upper
83 100
55 96.4 81.5 122.3
98 49.4 36.7 55.1



#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

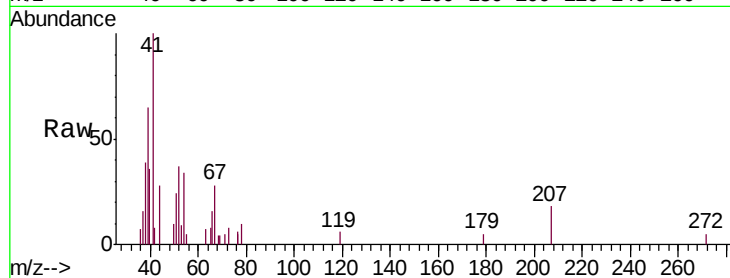
Ion Ratio Lower Upper

41 100

39 65.1 56.9 85.3

67 27.7 36.6 54.8#

52 37.3 42.6 63.8#

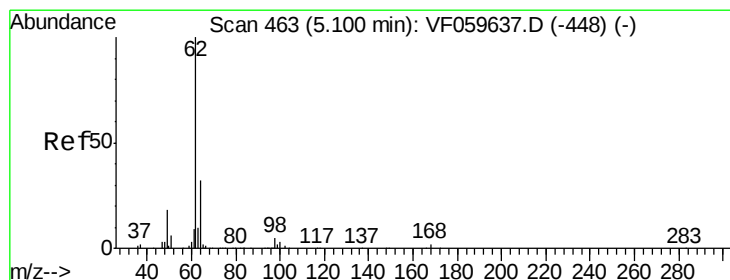
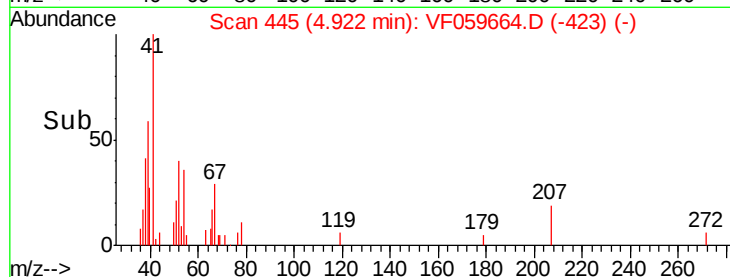
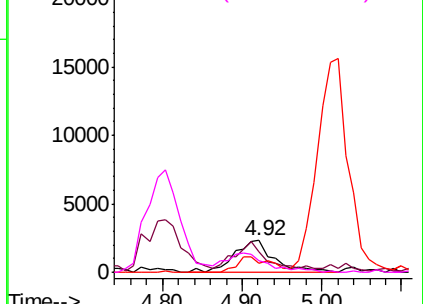


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 15.84 ug/l

RT: 5.11 min Scan# 464

Delta R.T. 0.01 min

Lab File: VF059664.D

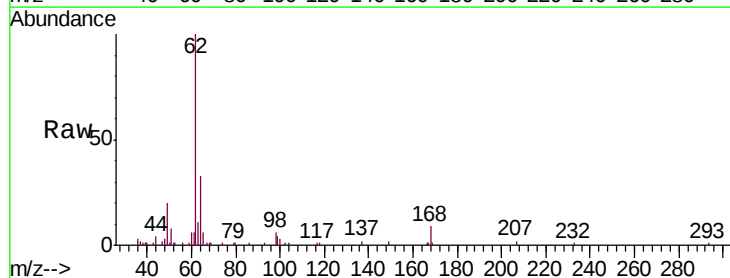
Acq: 25 Jul 2018 18:12

Tgt Ion: 62 Resp: 44016

Ion Ratio Lower Upper

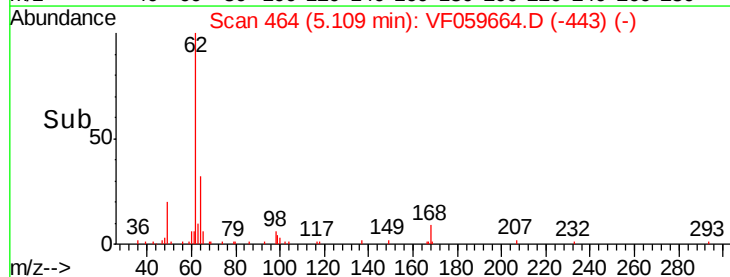
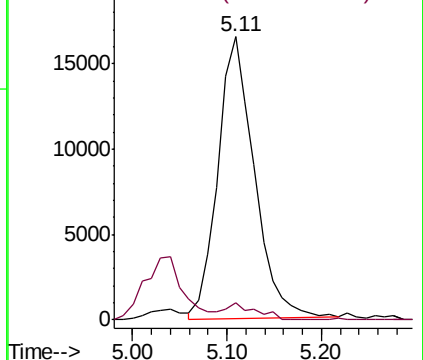
62 100

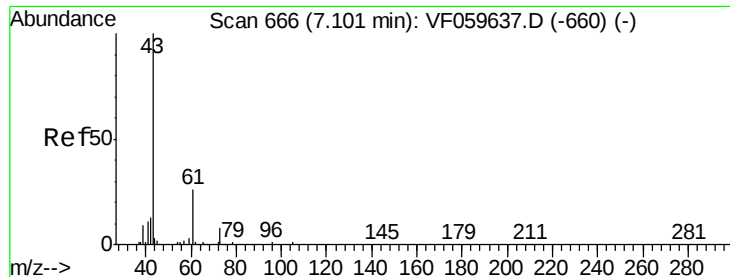
98 6.0 0.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#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

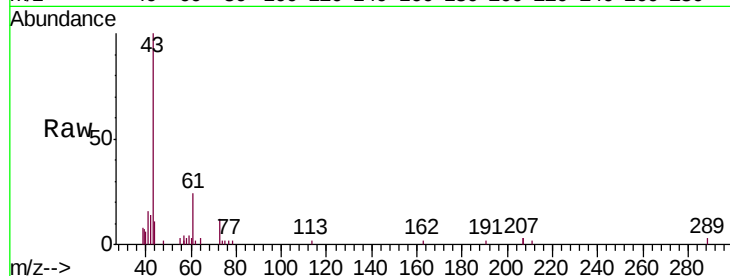
Tot Ion: 43 Resp: 14136

Ion Ratio Lower Upper

43 100

61 24.1 20.5 30.7

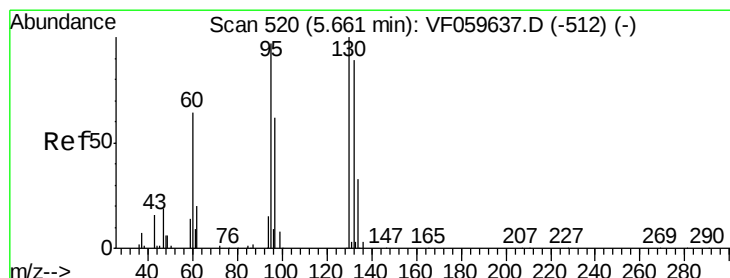
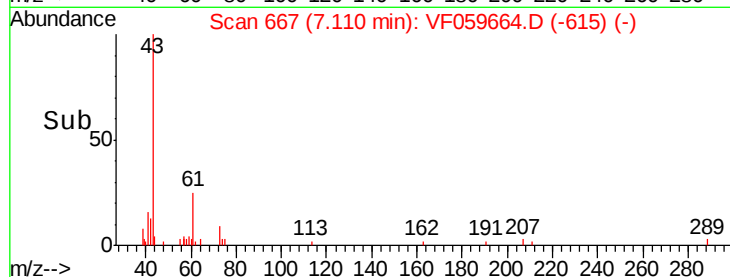
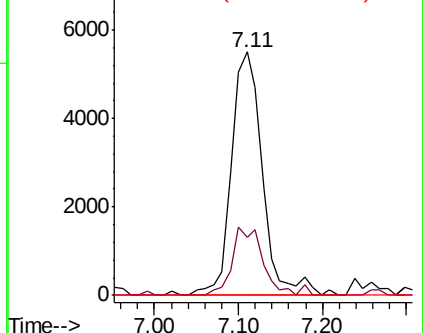
87 0.0 0.4 0.6#



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

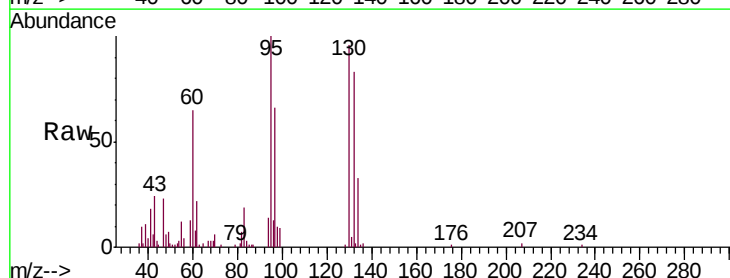
Acq: 25 Jul 2018 18:12

Tgt Ion:130 Resp: 44355

Ion Ratio Lower Upper

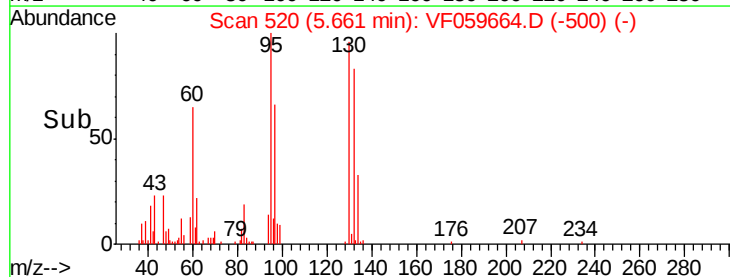
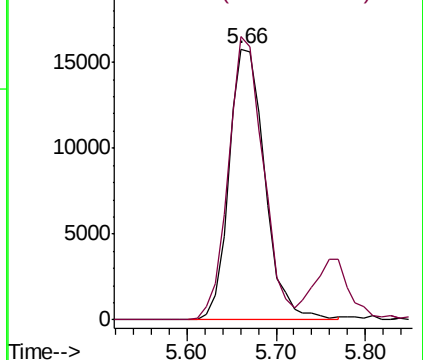
130 100

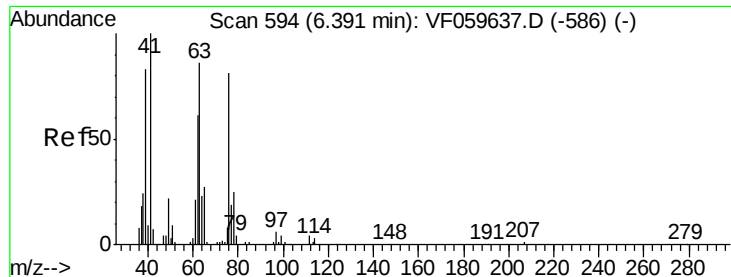
95 104.6 0.0 193.4



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 :

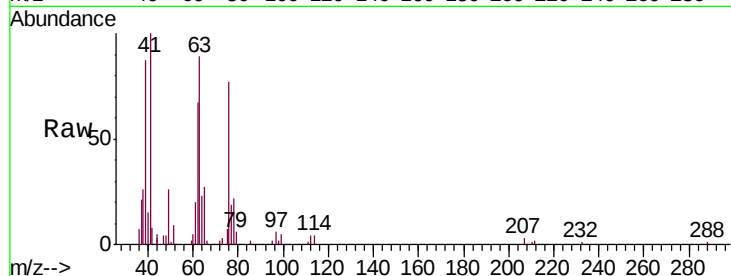
VF0725SBS01

Tot Ion: 63 Resp: 22033

Ion Ratio Lower Upper

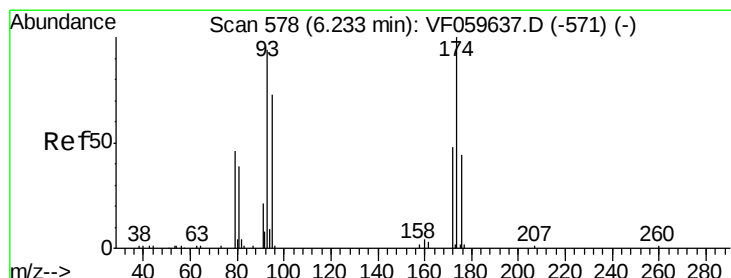
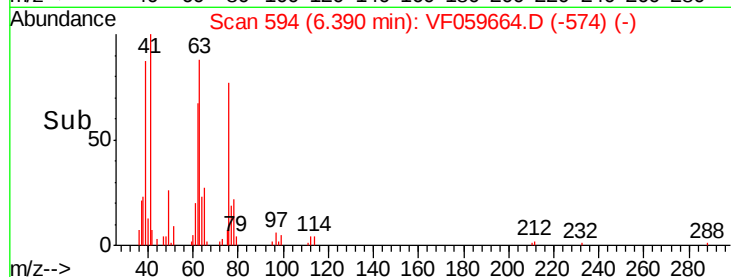
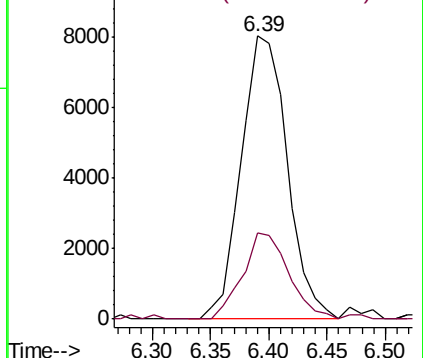
63 100

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

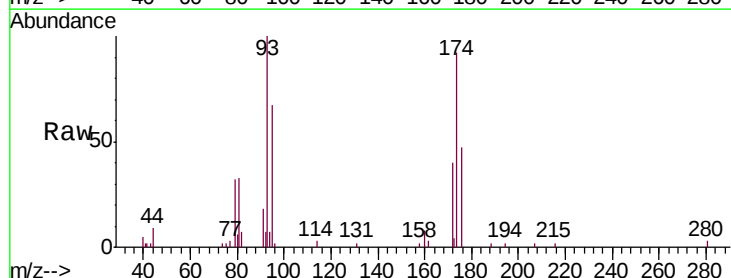
Tgt Ion: 93 Resp: 15371

Ion Ratio Lower Upper

93 100

95 67.3 63.1 94.7

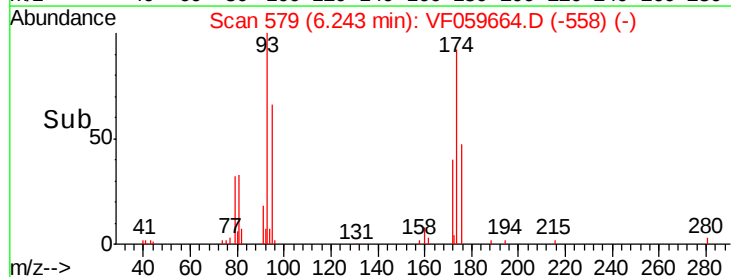
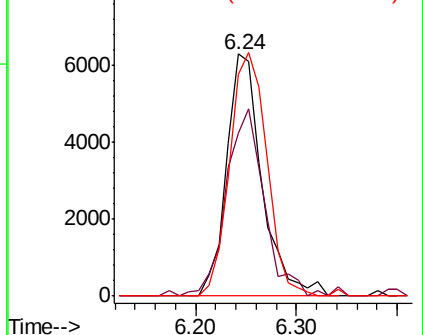
174 91.9 85.3 127.9

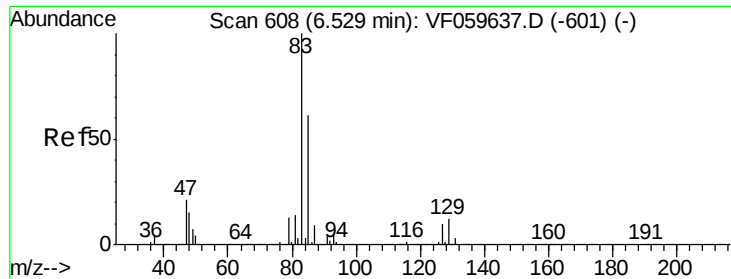


Abundance Ion 93.00 (92.70 to 93.70): VF0

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

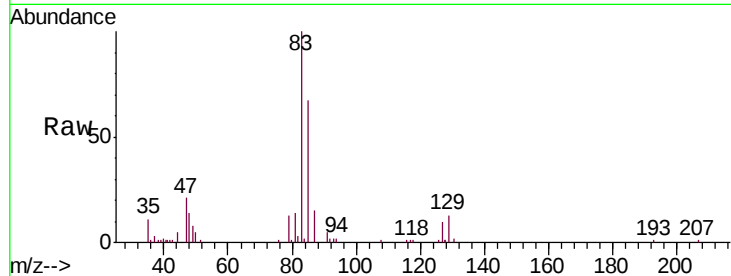
Tot Ion: 83 Resp: 53099

Ion Ratio Lower Upper

83 100

85 67.2 48.6 72.8

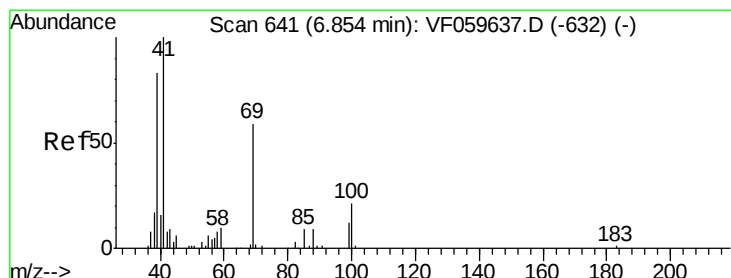
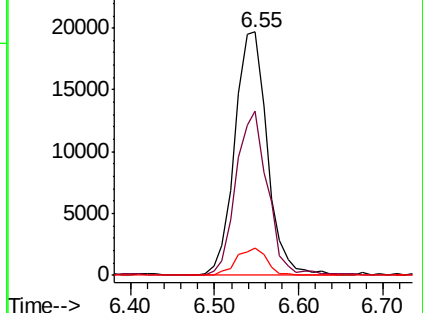
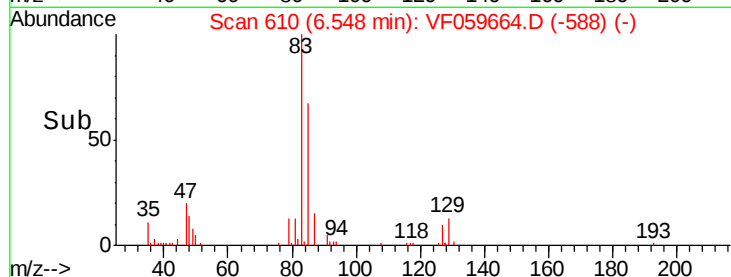
127 11.3 7.7 11.5



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

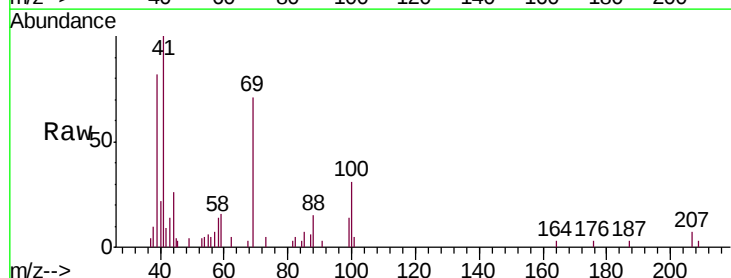
Tgt Ion: 41 Resp: 9841

Ion Ratio Lower Upper

41 100

69 71.0 47.5 71.3

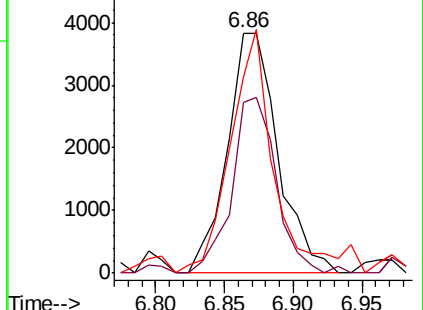
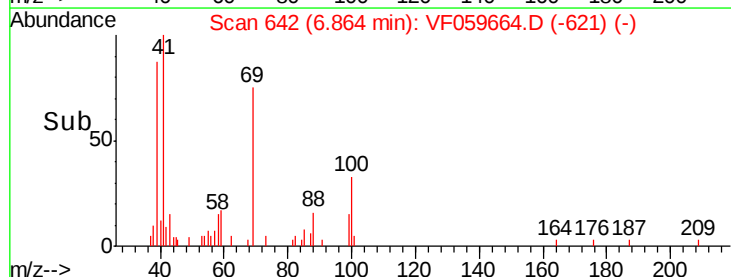
39 81.7 67.0 100.6

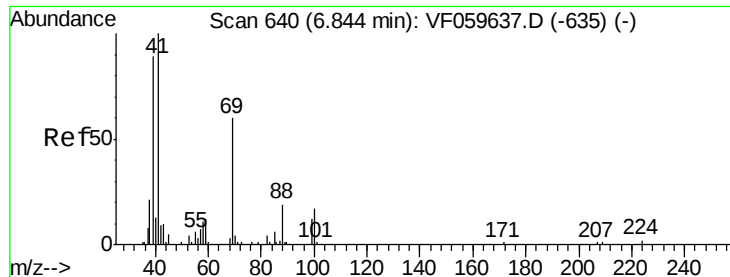


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

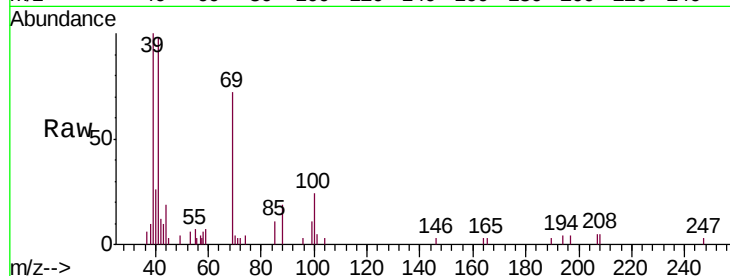
Tot Ion: 88 Resp: 1994

Ion Ratio Lower Upper

88 100

43 55.6 45.3 67.9

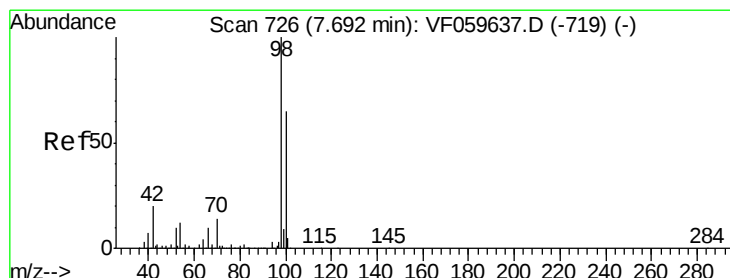
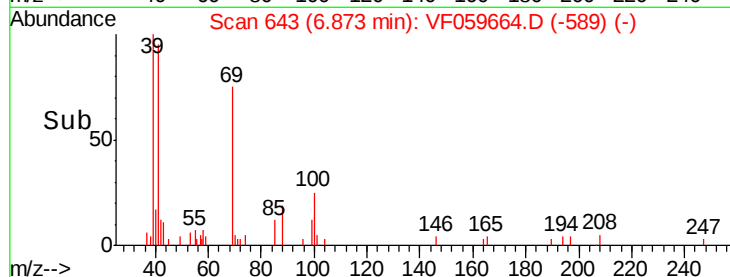
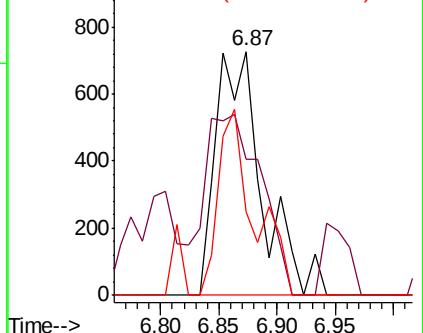
58 34.3 47.7 71.5#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.20 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.01 min

Lab File: VF059664.D

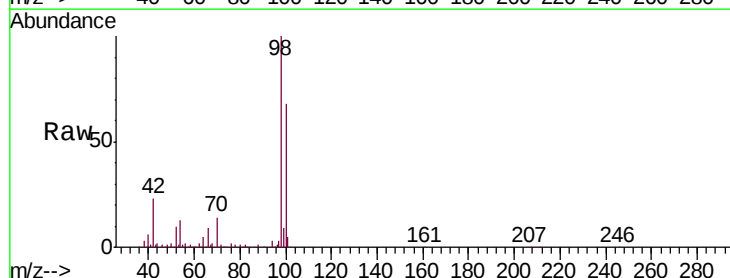
Acq: 25 Jul 2018 18:12

Tgt Ion: 98 Resp: 267064

Ion Ratio Lower Upper

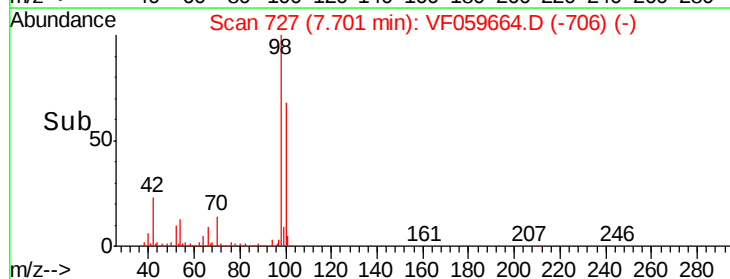
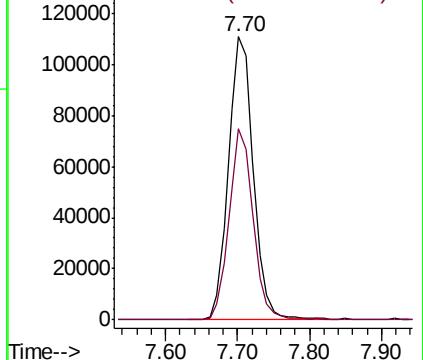
98 100

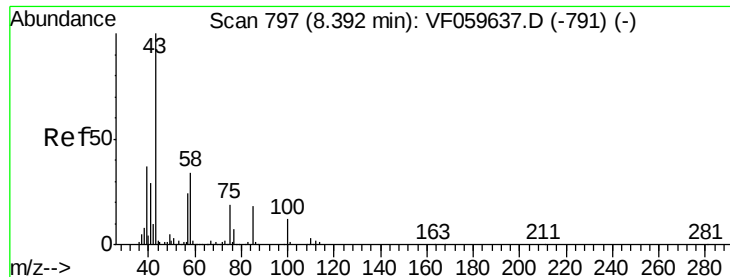
100 67.7 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 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 :

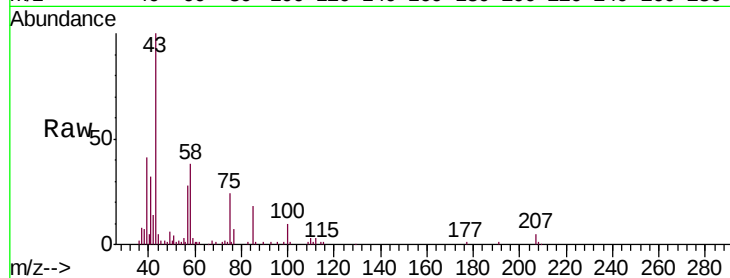
VF0725SBS01

Tot Ion: 43 Resp: 53157

Ion Ratio Lower Upper

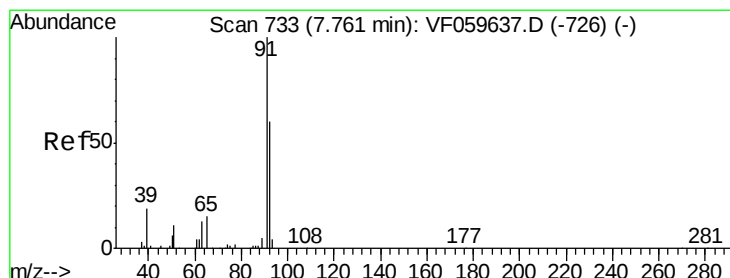
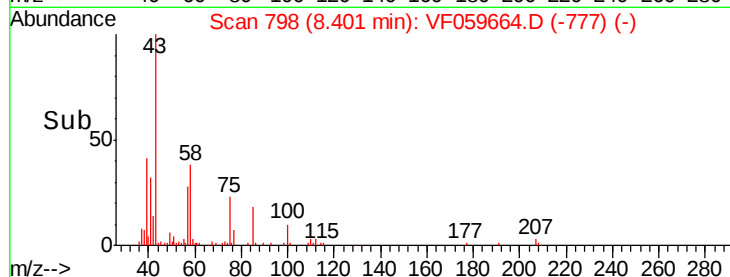
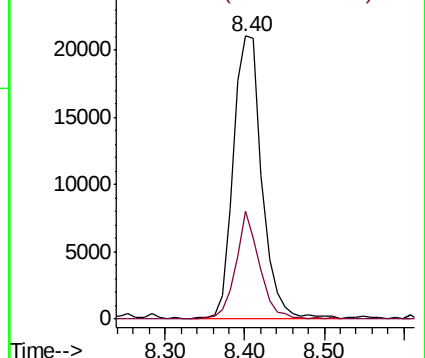
43 100

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



#52

Toluene

Concen: 22.90 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059664.D

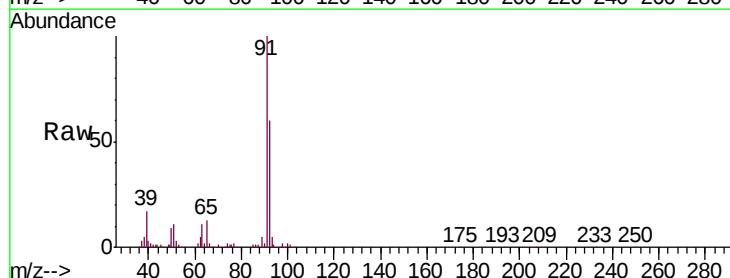
Acq: 25 Jul 2018 18:12

Tgt Ion: 92 Resp: 75326

Ion Ratio Lower Upper

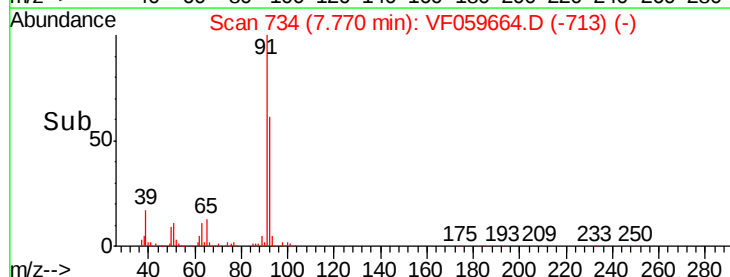
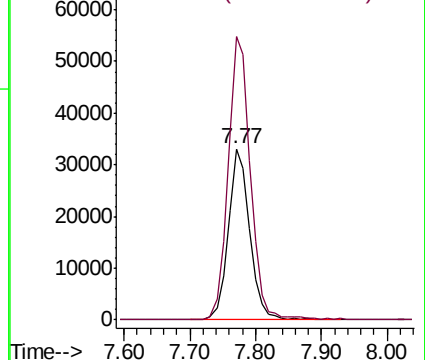
92 100

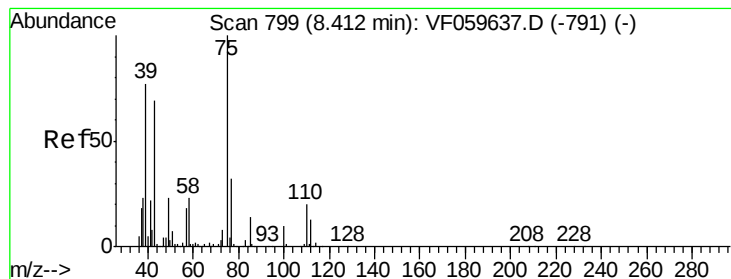
91 165.3 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#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 :

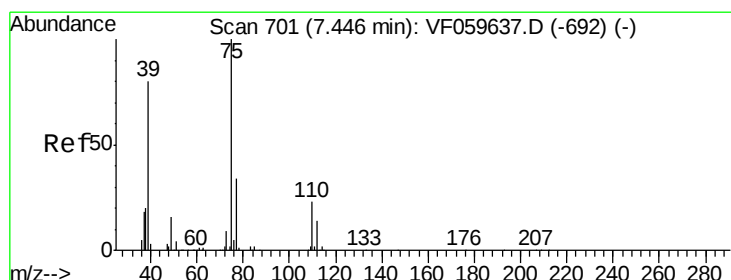
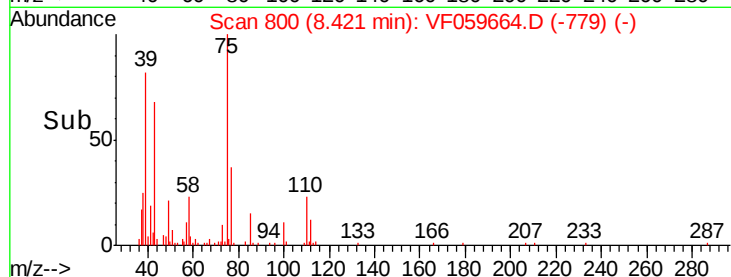
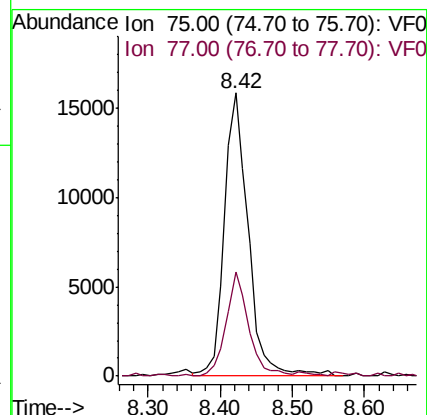
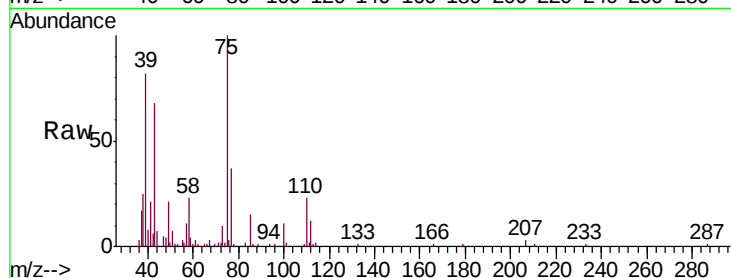
VF0725SBS01

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

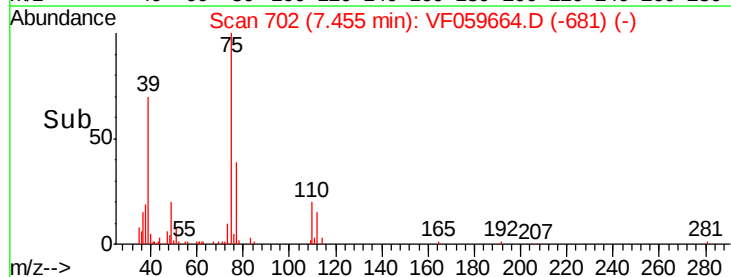
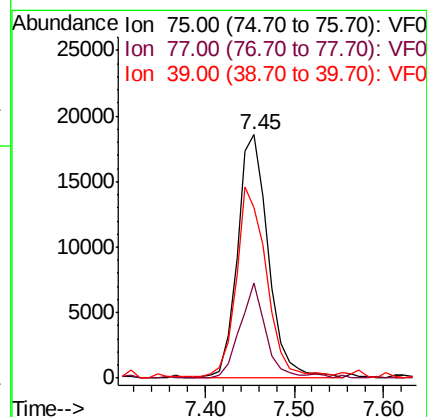
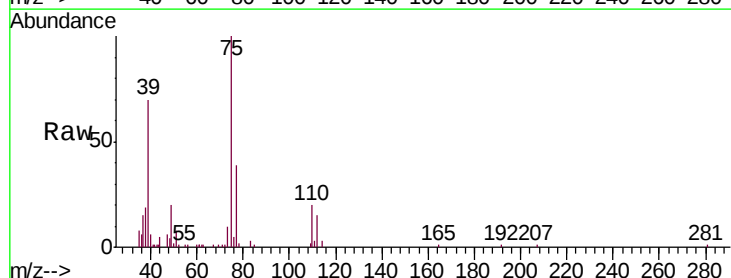
Tgt Ion: 75 Resp: 44993

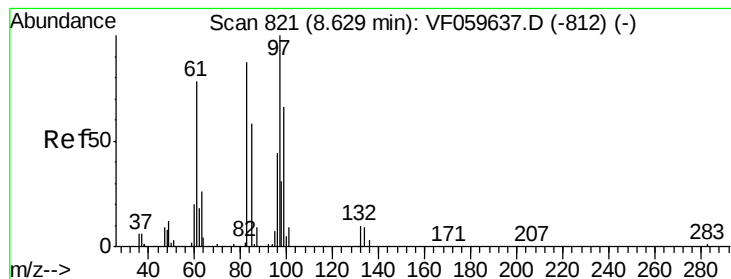
Ion Ratio Lower Upper

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

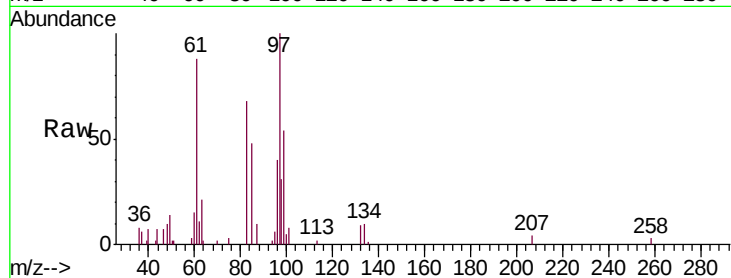
Ion Ratio Lower Upper

97 100

83 68.3 69.5 104.3#

85 48.4 46.0 69.0

99 54.1 53.2 79.8

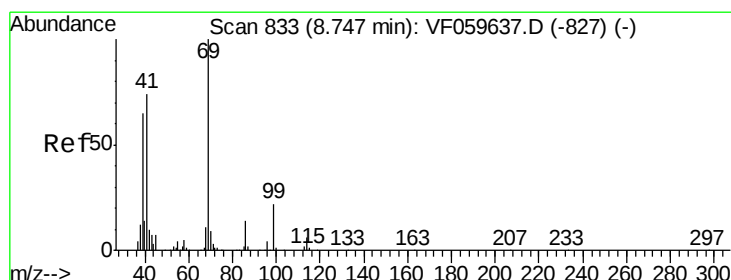
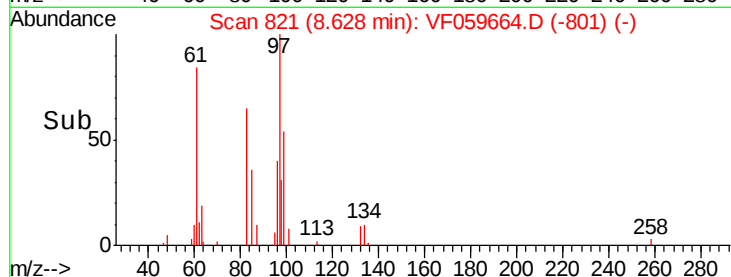
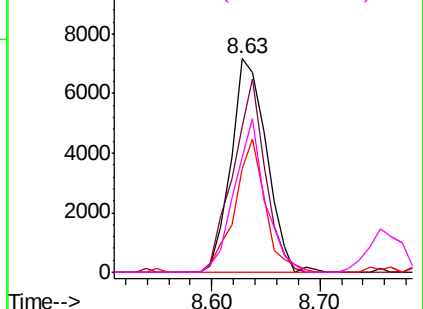


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

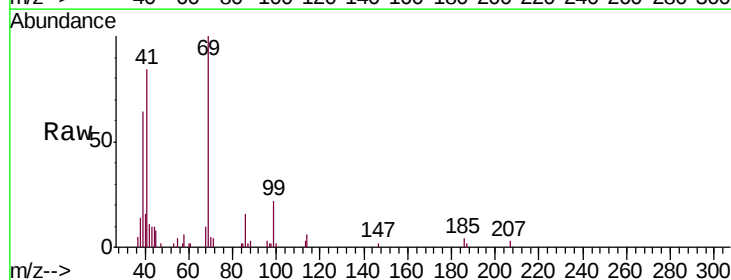
Tgt Ion: 69 Resp: 13602

Ion Ratio Lower Upper

69 100

41 84.2 59.1 88.7

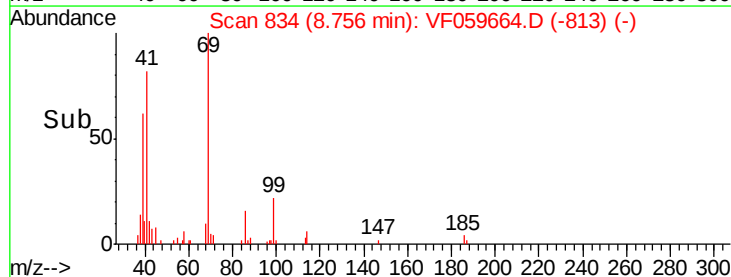
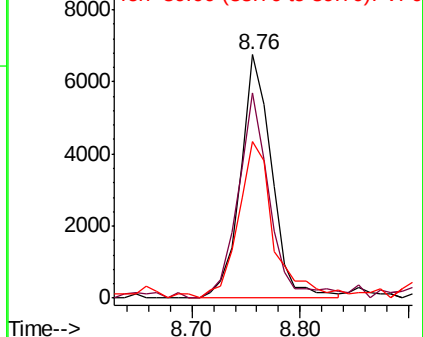
39 64.2 52.4 78.6

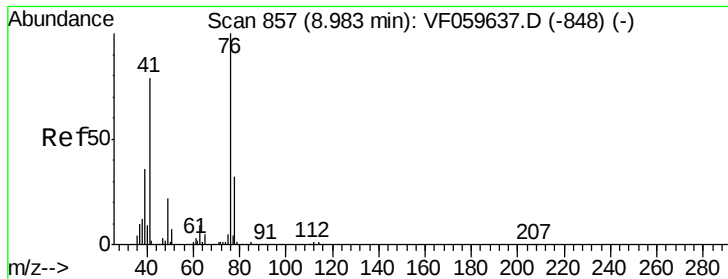


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

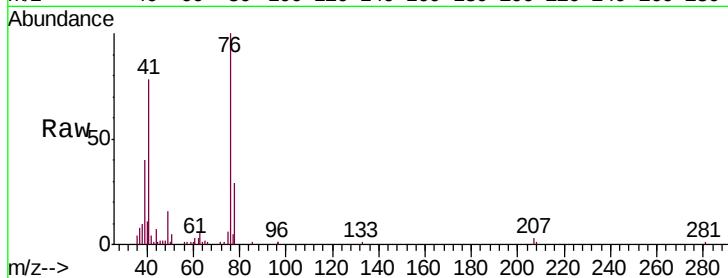
VF0725SBS01

Tot Ion: 76 Resp: 29086

Ion Ratio Lower Upper

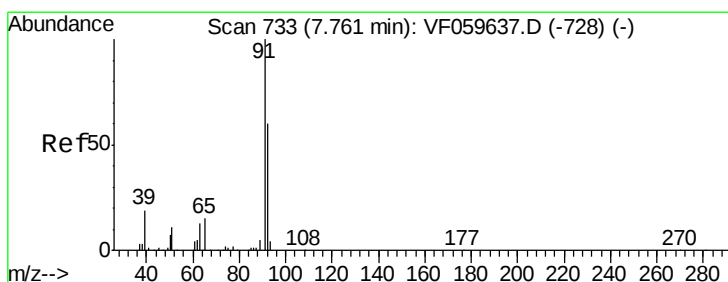
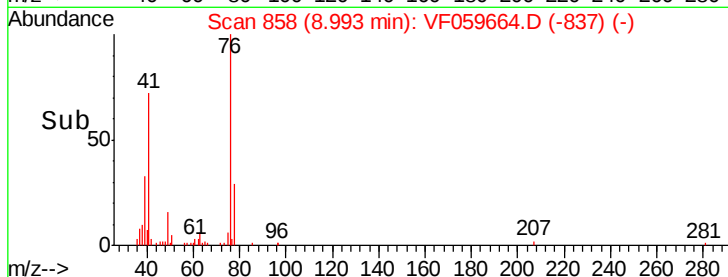
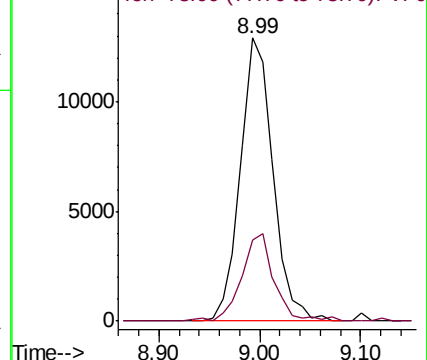
76 100

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



#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

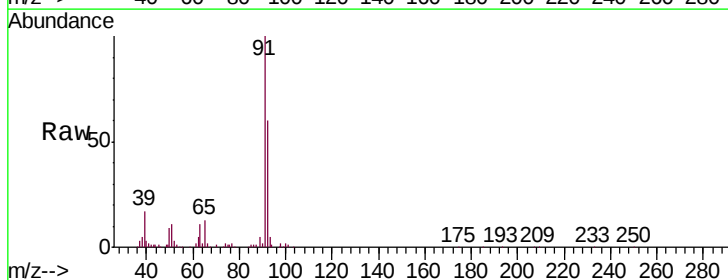
Acq: 25 Jul 2018 18:12

Tgt Ion: 63 Resp: 15856

Ion Ratio Lower Upper

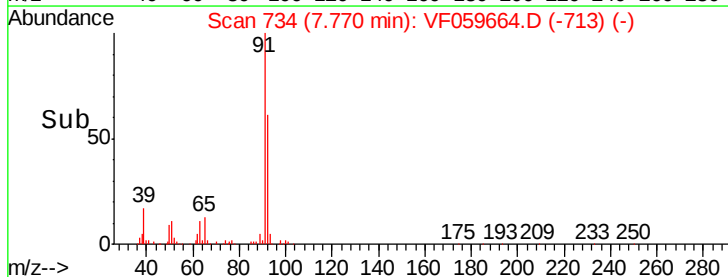
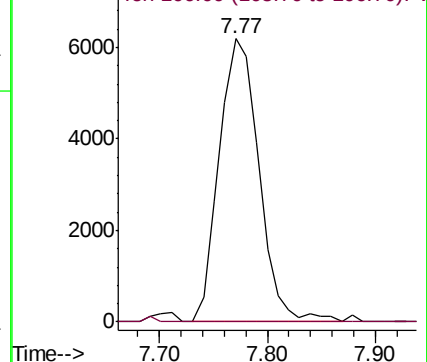
63 100

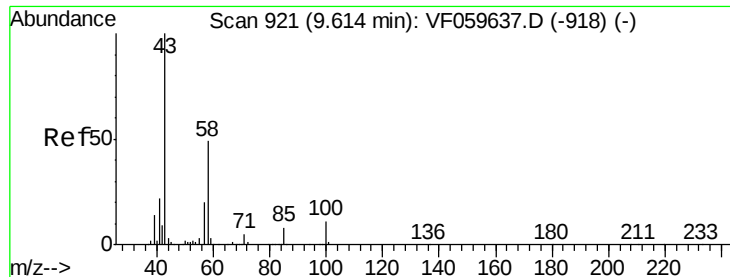
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

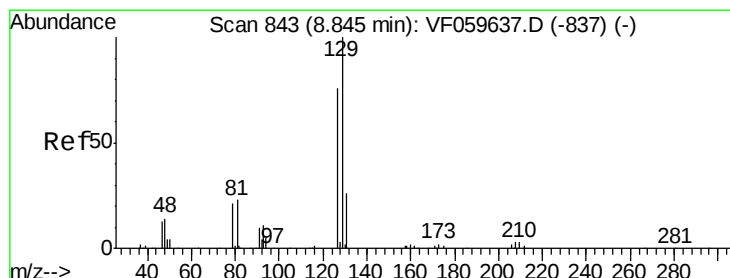
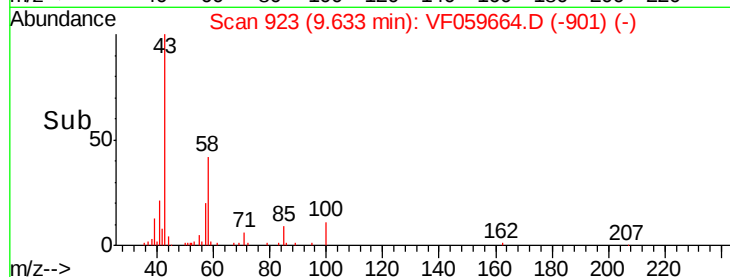
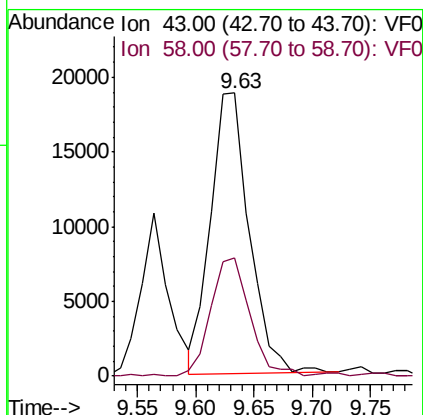
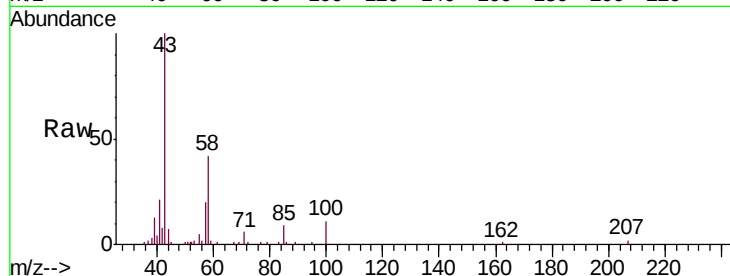




#59
2-Hexanone
Concen: 69.26 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

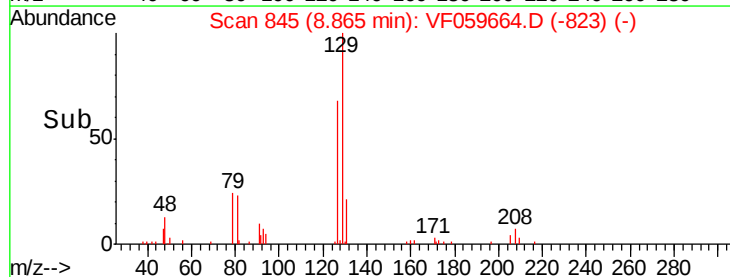
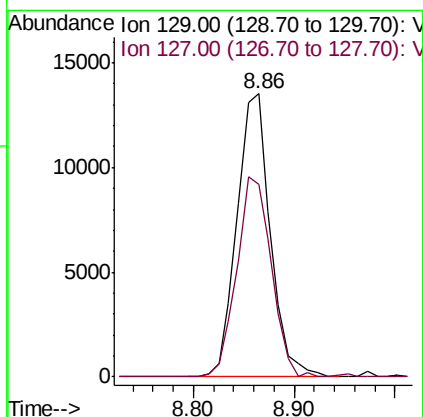
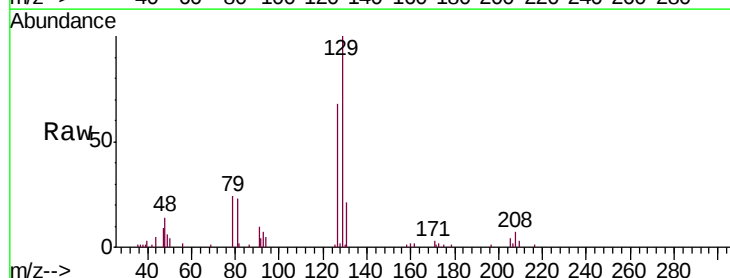
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

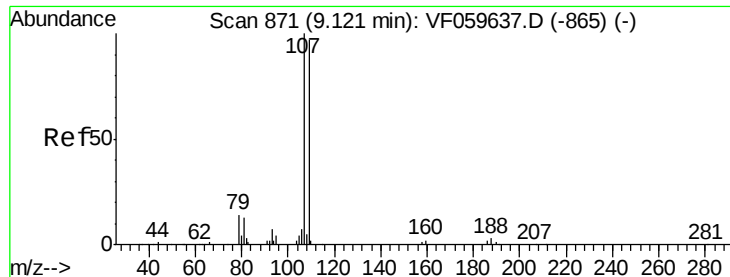
Tot Ion: 43 Resp: 43348
Ion Ratio Lower Upper
43 100
58 41.8 23.6 71.0



#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 :

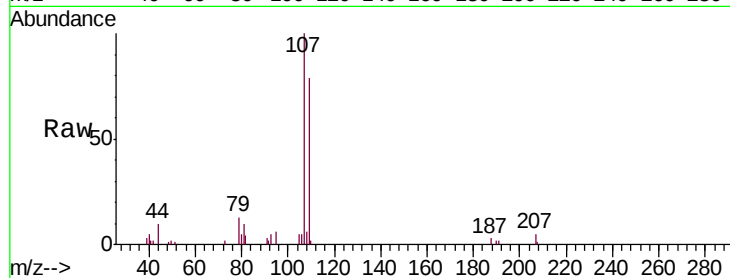
VF0725SBS01

Tot Ion:107 Resp: 19050

Ion Ratio Lower Upper

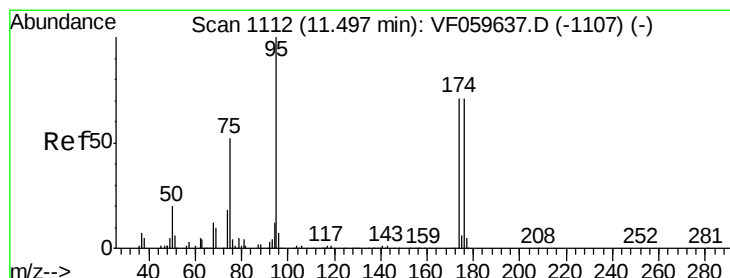
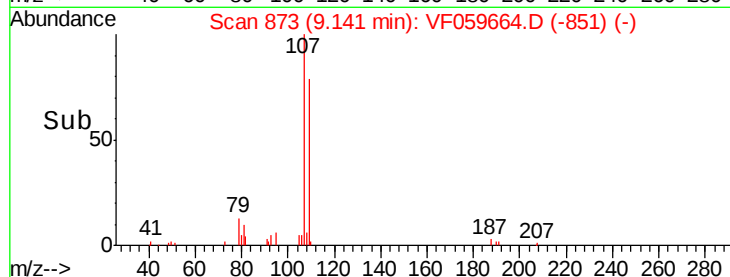
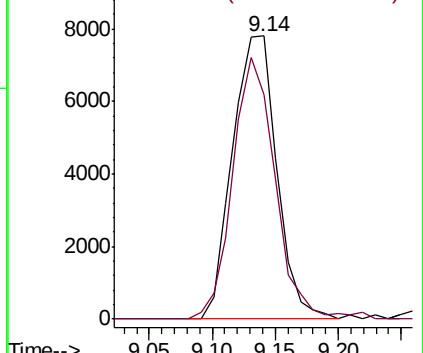
107 100

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

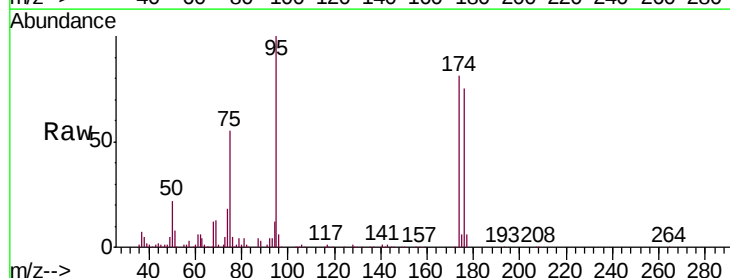
Tgt Ion: 95 Resp: 121720

Ion Ratio Lower Upper

95 100

174 80.5 0.0 141.8

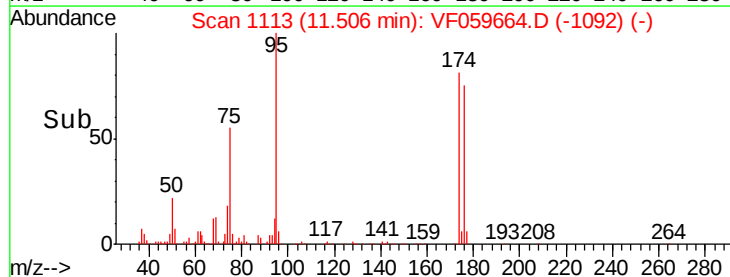
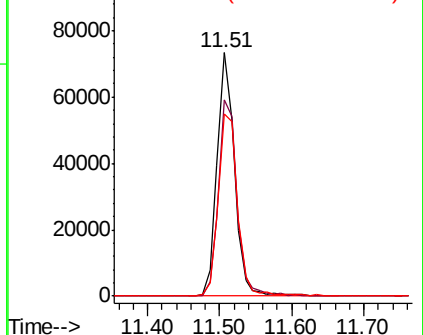
176 75.0 0.0 142.0

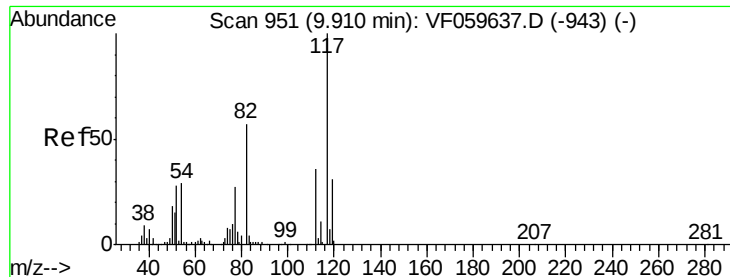


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

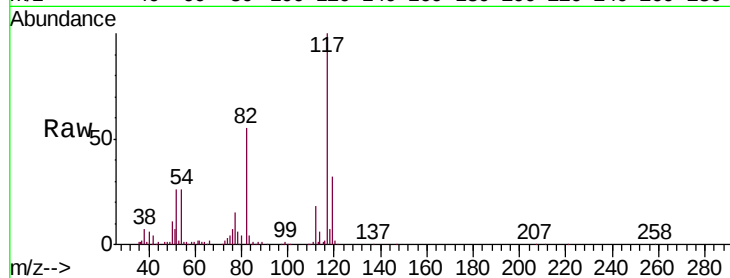




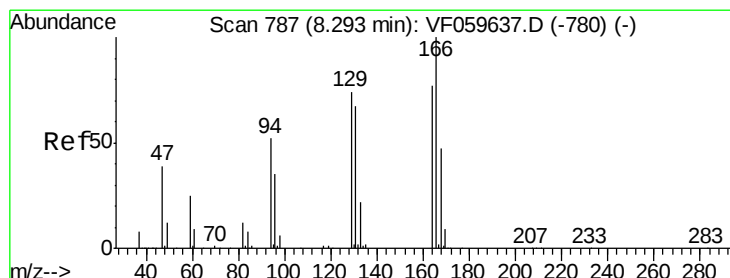
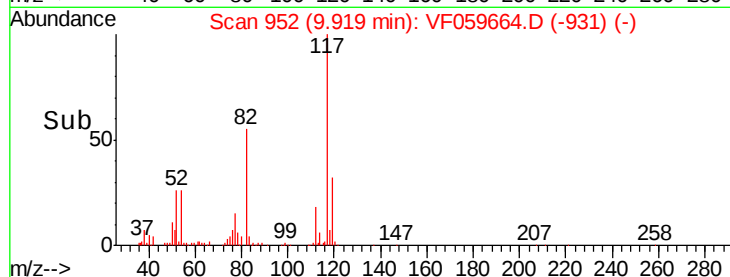
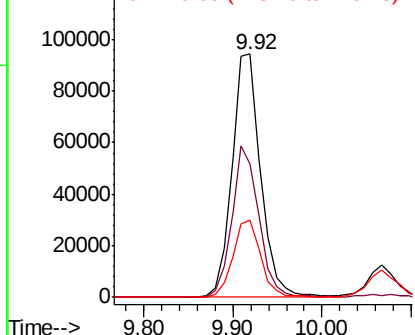
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

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

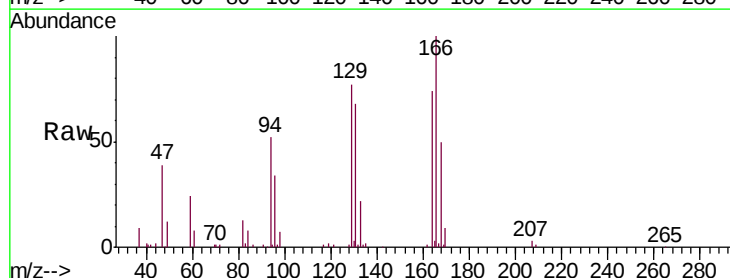


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

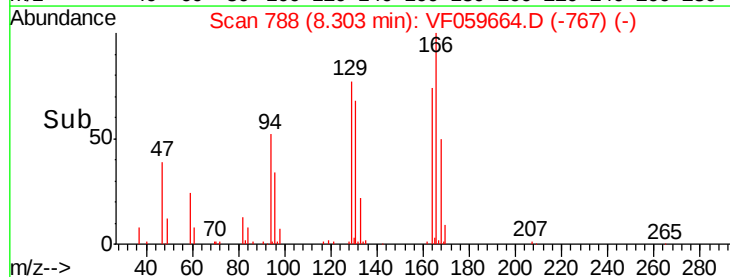
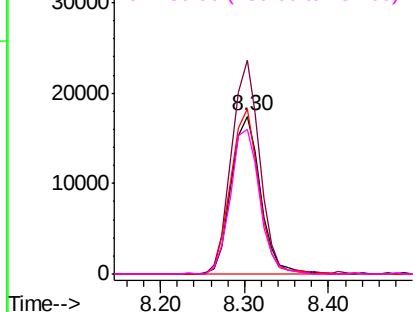


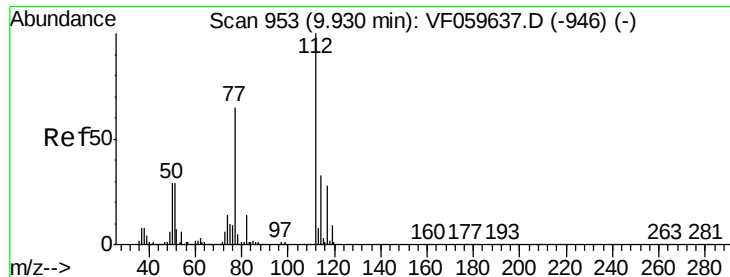
#64
Tetrachloroethene
Concen: 25.11 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

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

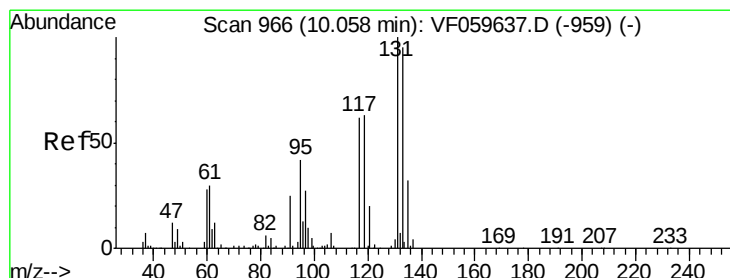
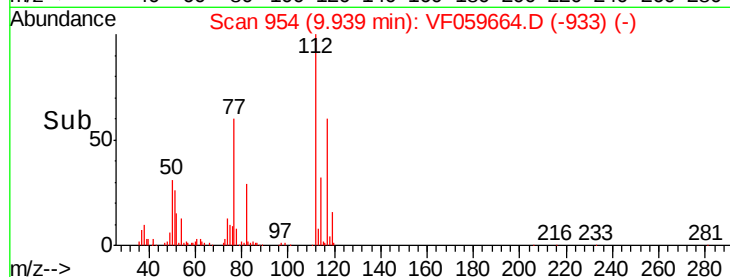
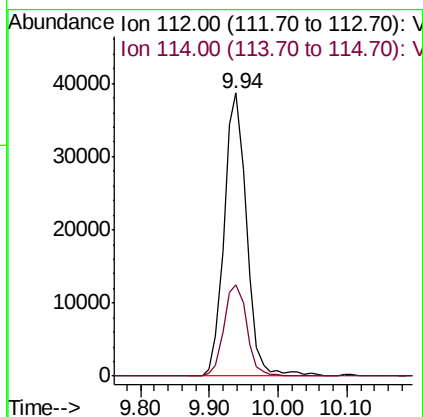
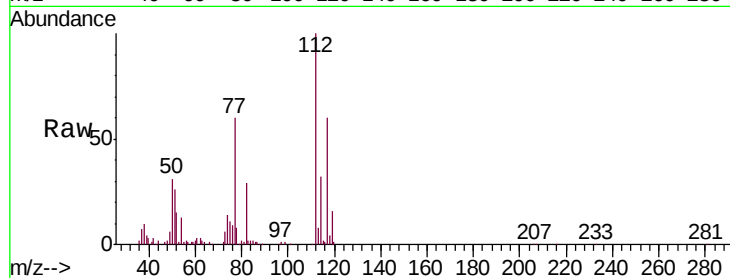




#65
Chlorobenzene
Concen: 22.17 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

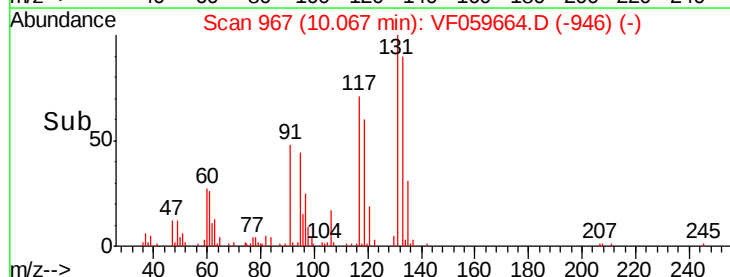
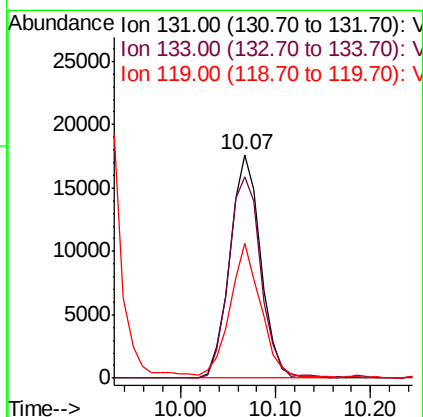
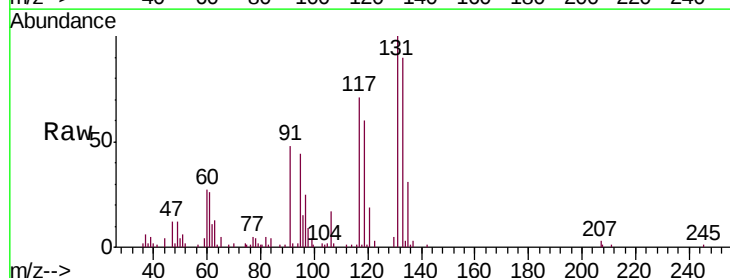
Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

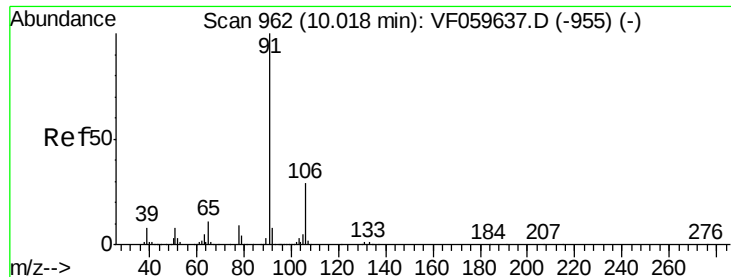
Tot Ion:112 Resp: 87512
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#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 :

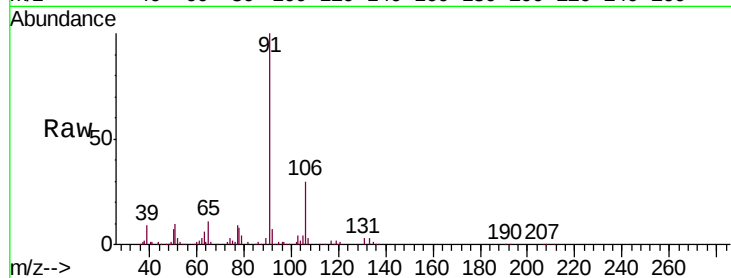
VF0725SBS01

Tot Ion: 91 Resp: 177624

Ion Ratio Lower Upper

91 100

106 30.0 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

80000

60000

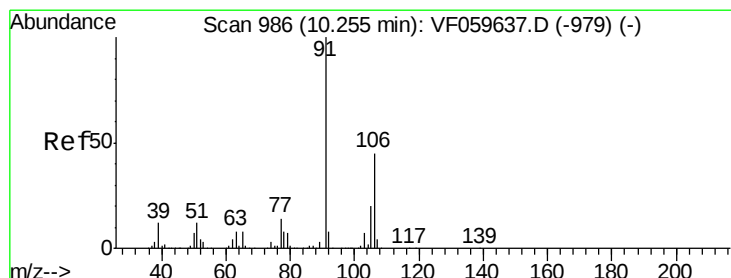
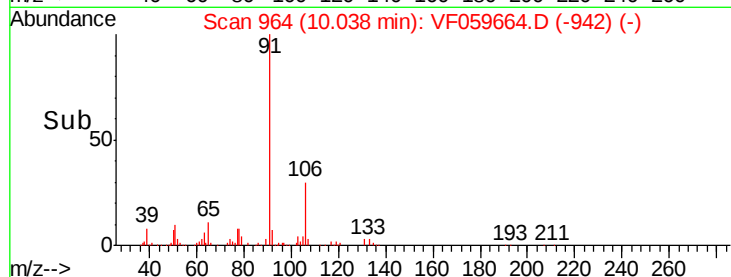
40000

20000

0

10.04

Time-->



#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

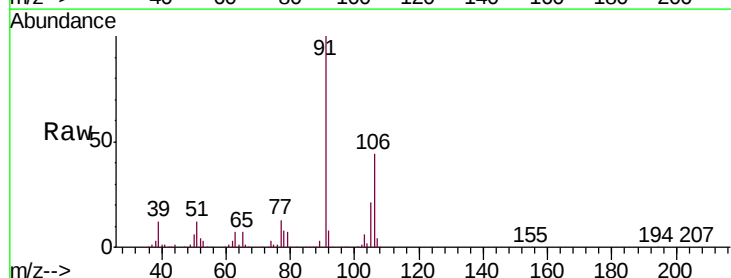
Acq: 25 Jul 2018 18:12

Tgt Ion: 106 Resp: 121087

Ion Ratio Lower Upper

106 100

91 228.3 177.8 266.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

150000

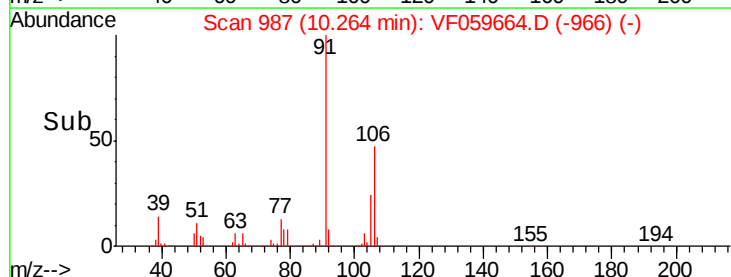
100000

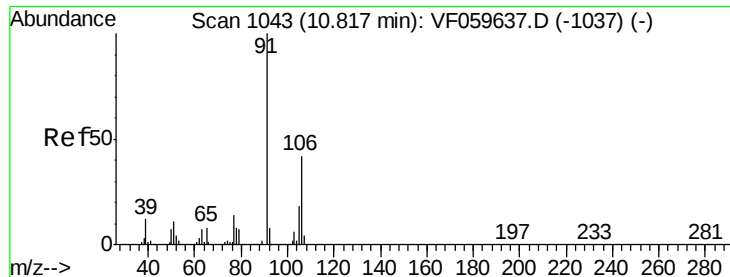
50000

0

10.26

Time-->

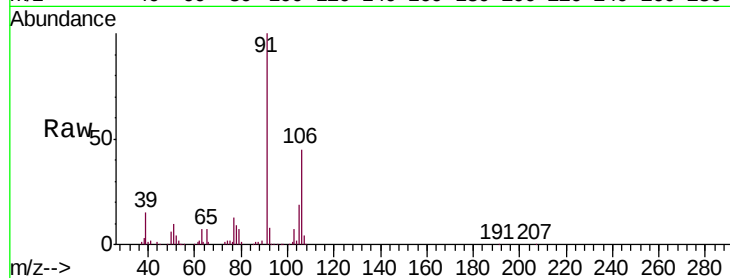




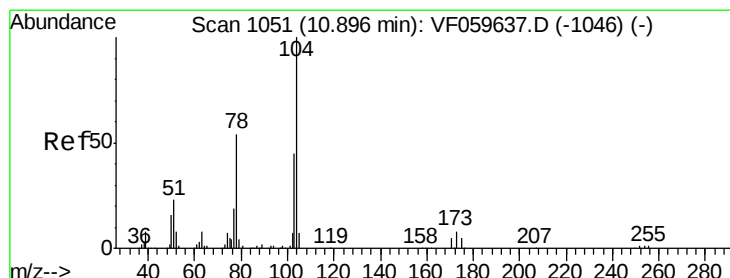
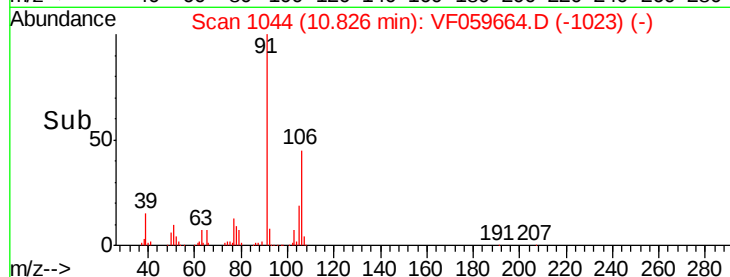
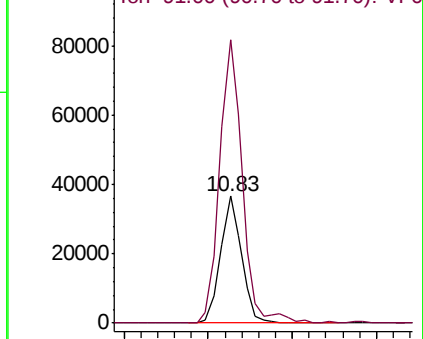
#69
o-Xylene
Concen: 23.73 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

Instrument :
MSVOA_F
ClientSampleId :
VF0725SBS01

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

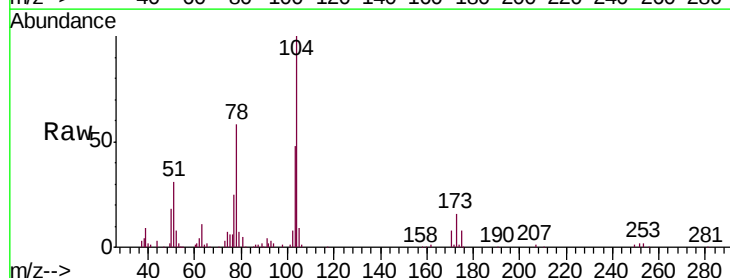


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

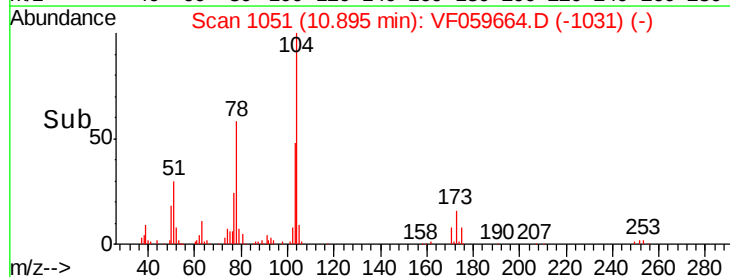
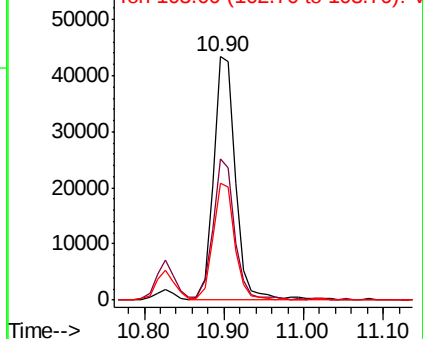


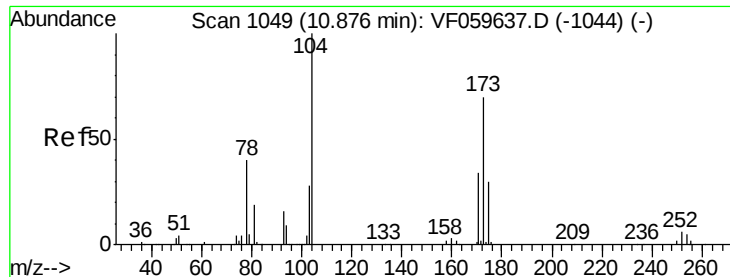
#70
Styrene
Concen: 21.51 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059664.D
Acq: 25 Jul 2018 18:12

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



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





#71

Bromoform

Concen: 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

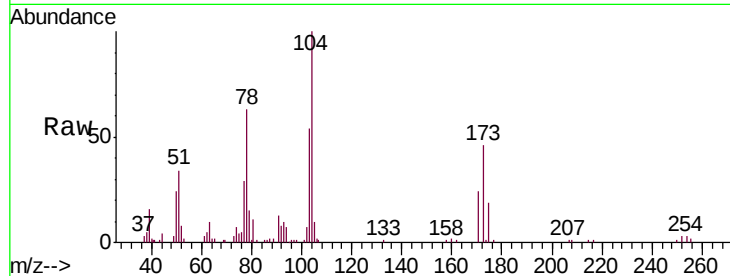
Tot Ion:173 Resp: 16667

Ion Ratio Lower Upper

173 100

175 41.7 21.6 65.0

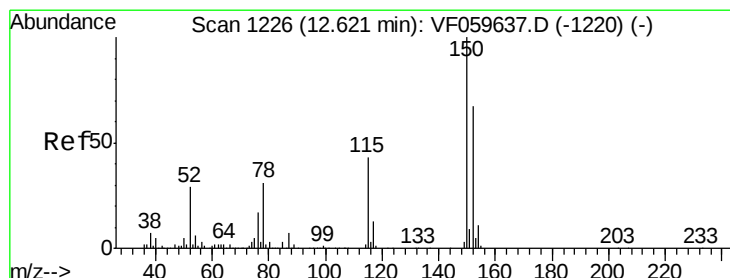
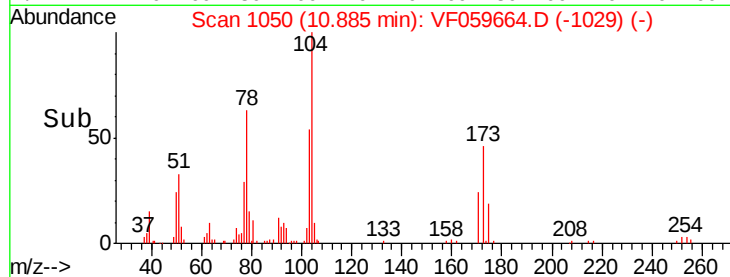
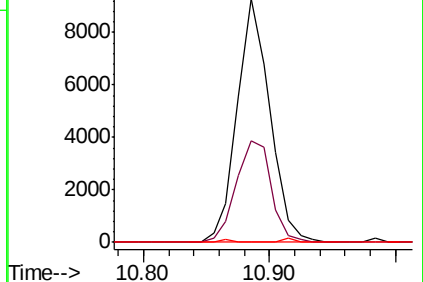
254 0.0 0.0 0.0



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

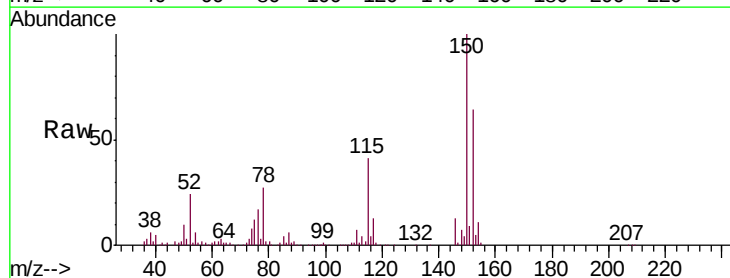
Tgt Ion:152 Resp: 124749

Ion Ratio Lower Upper

152 100

115 63.3 32.0 96.2

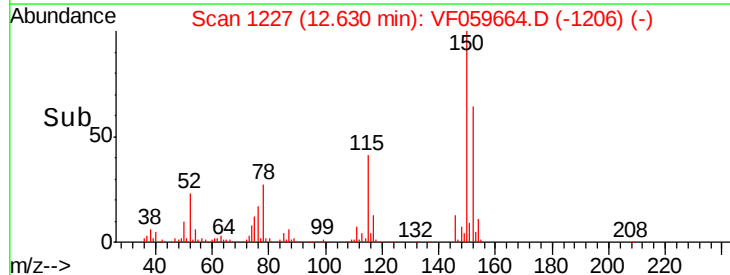
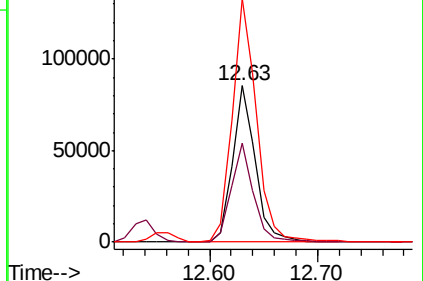
150 156.0 0.0 313.2

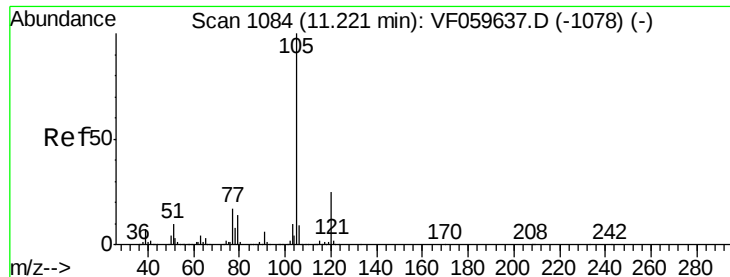


Abundance Ion 152.00 (151.70 to 152.70): V

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 :

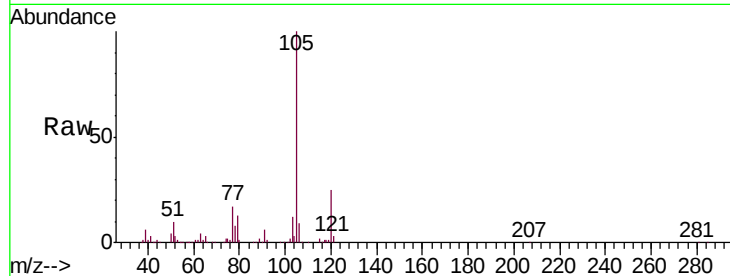
VF0725SBS01

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

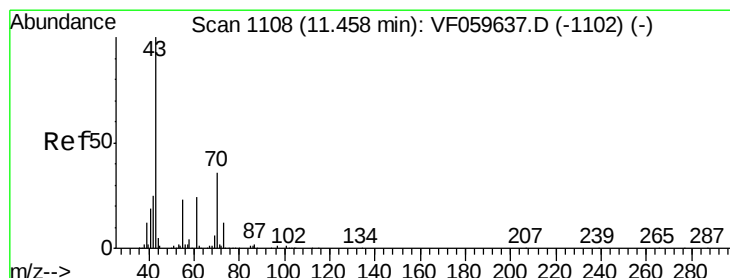
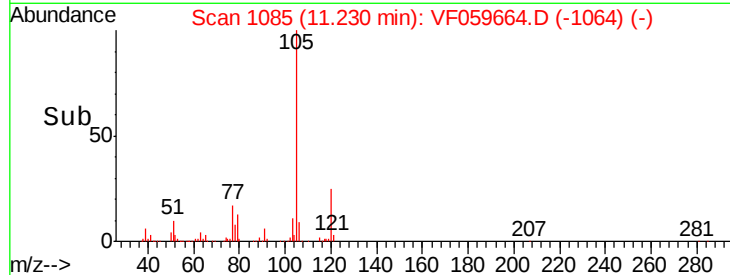
100000

50000

0

Time-->

11.10 11.20 11.30 11.40



#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

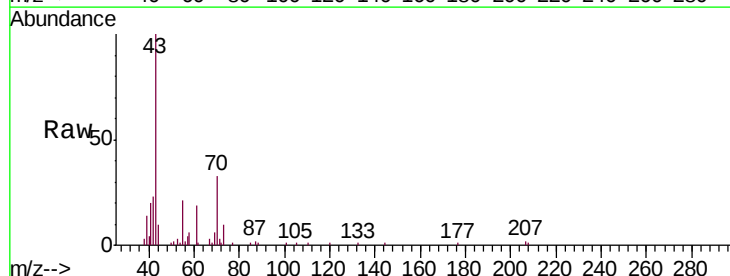
Ion Ratio Lower Upper

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

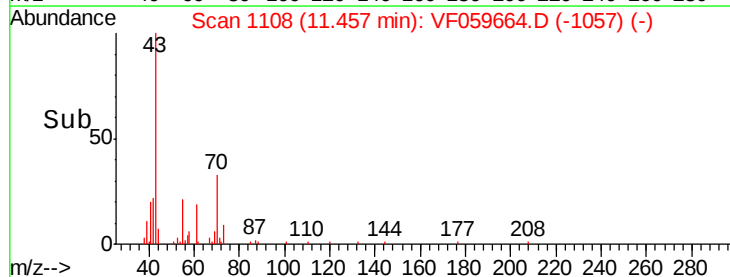
10000

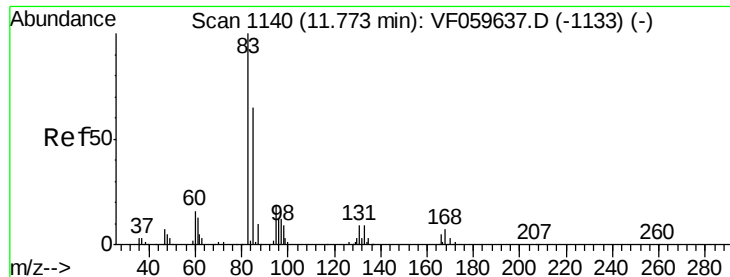
5000

0

Time-->

11.40 11.50 11.60





#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

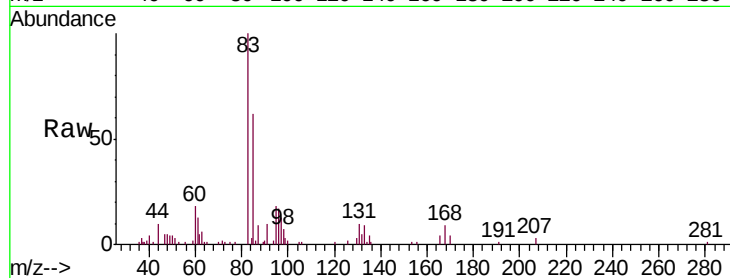
Tot Ion: 83 Resp: 20619

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.5	13.5
85	62.0	32.6	97.7

83 100

131 10.0 4.5 13.5

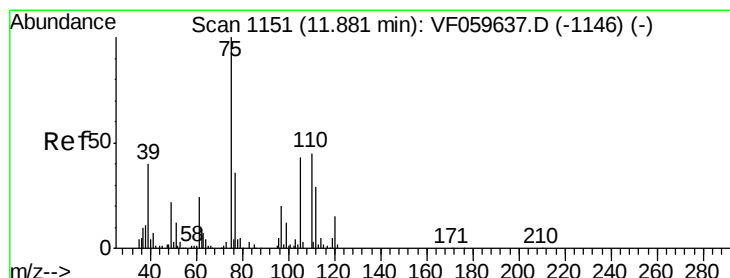
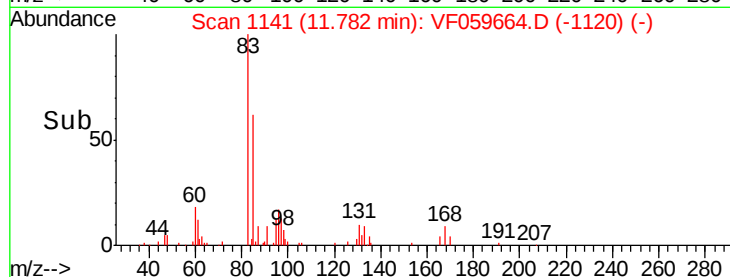
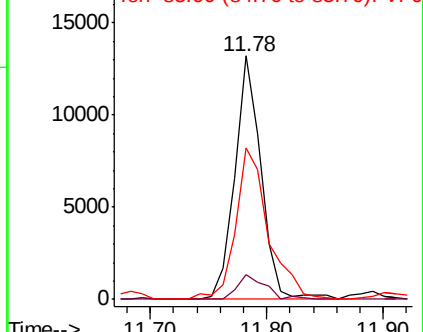
85 62.0 32.6 97.7



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

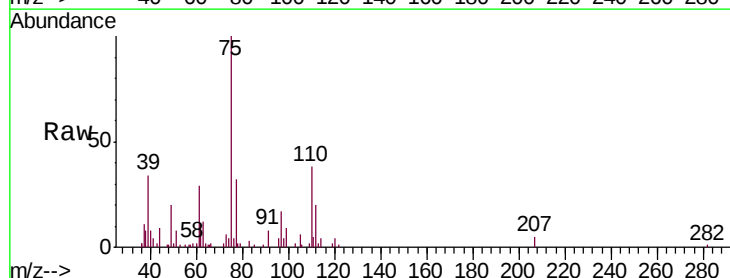
Acq: 25 Jul 2018 18:12

Tgt Ion: 75 Resp: 18039

Ion	Ratio	Lower	Upper
75	100		
77	31.5	18.4	55.0

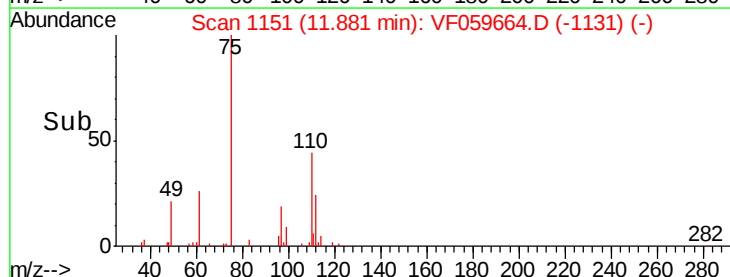
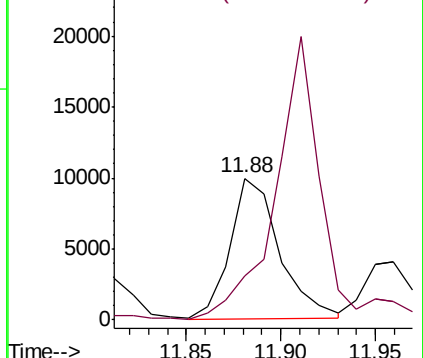
75 100

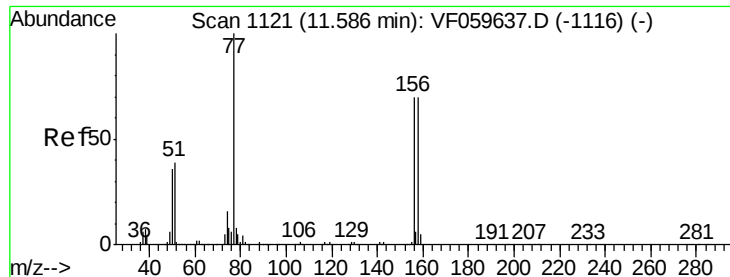
77 31.5 18.4 55.0



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

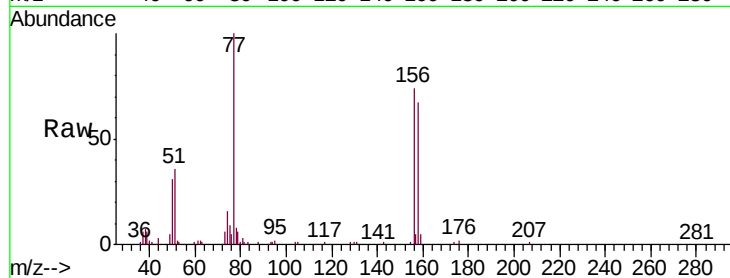
Tot Ion:156 Resp: 41275

Ion Ratio Lower Upper

156 100

77 134.8 71.5 214.3

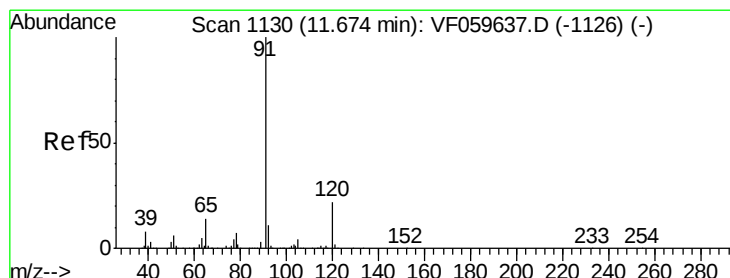
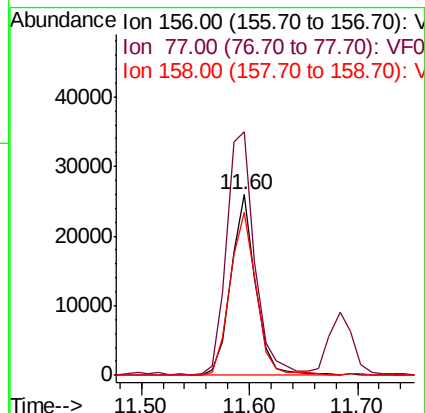
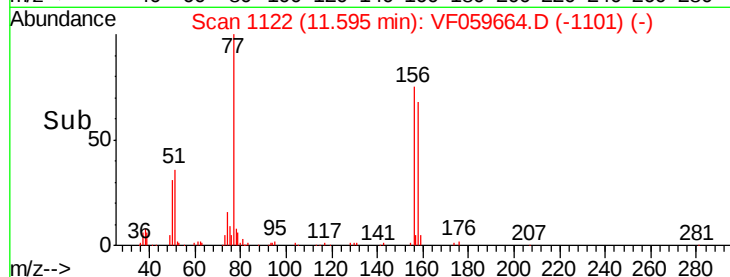
158 90.4 50.0 149.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 28.86 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF059664.D

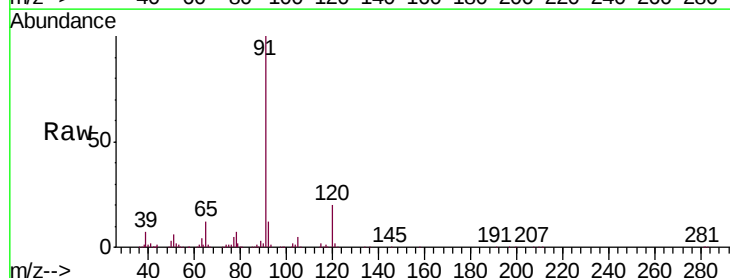
Acq: 25 Jul 2018 18:12

Tgt Ion: 91 Resp: 269298

Ion Ratio Lower Upper

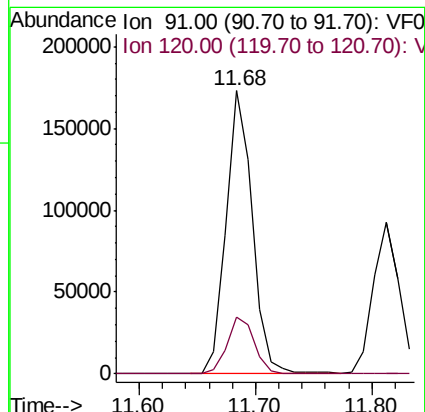
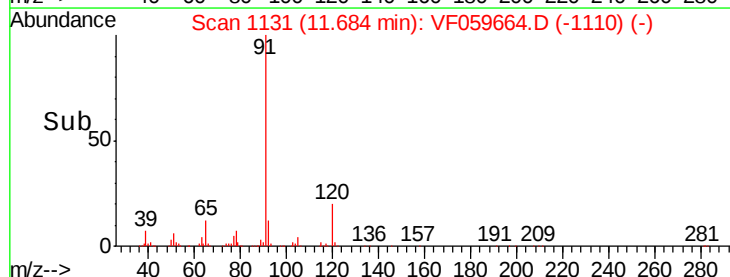
91 100

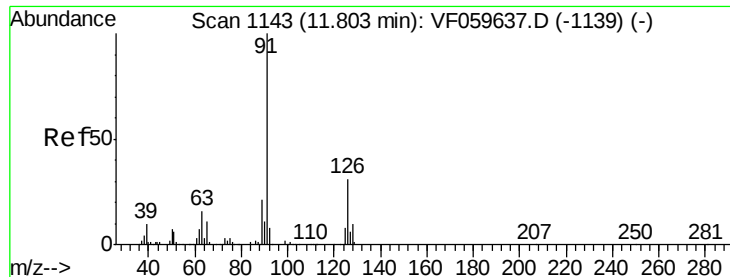
120 20.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

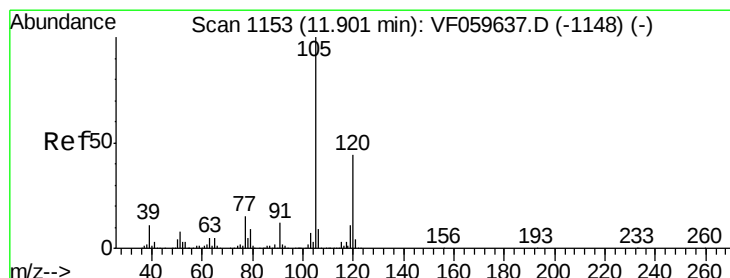
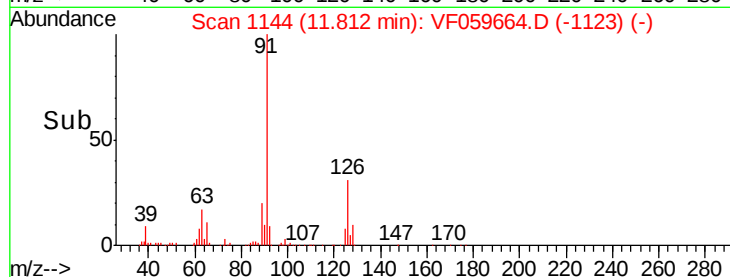
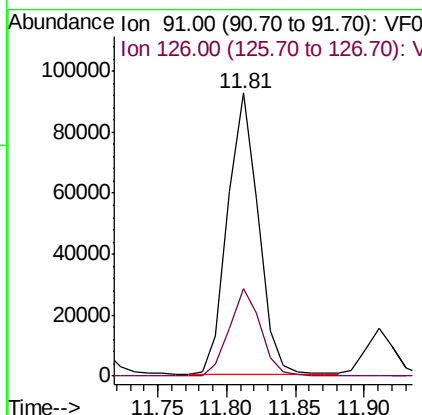
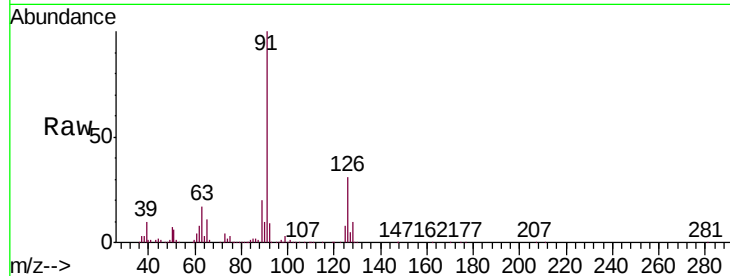




#79
 2-Chlorotoluene
 Concen: 25.69 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

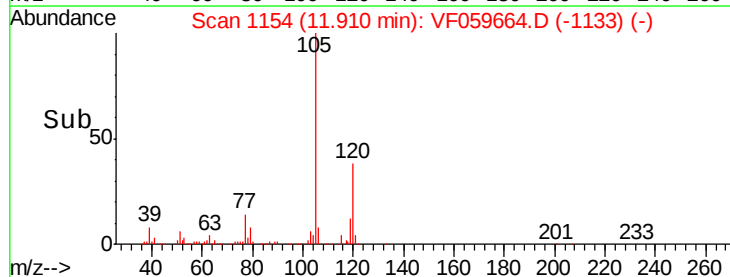
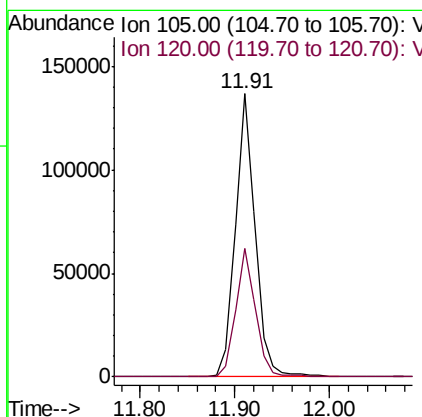
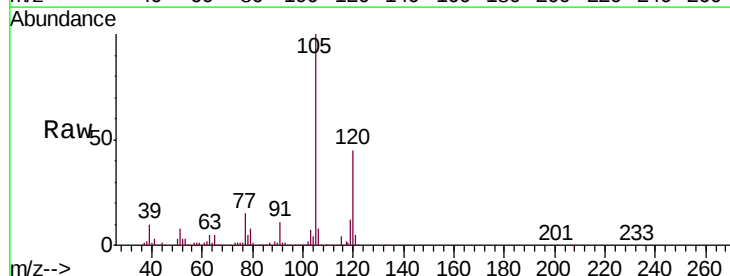
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

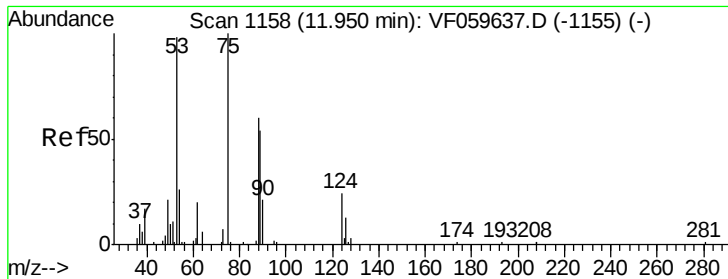
Tot Ion: 91 Resp: 144310
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.4 46.4



#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





#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

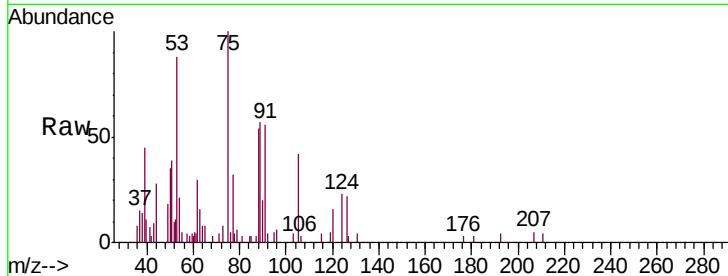
Tot Ion: 75 Resp: 12329

Ion Ratio Lower Upper

75 100

53 87.8 82.3 123.5

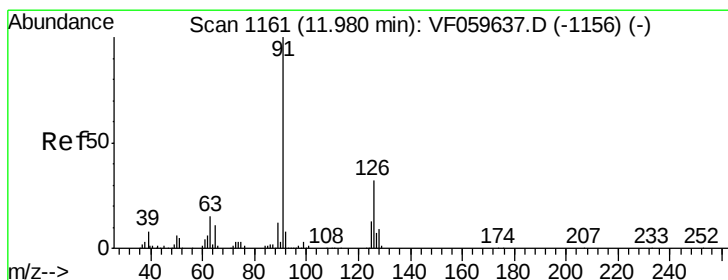
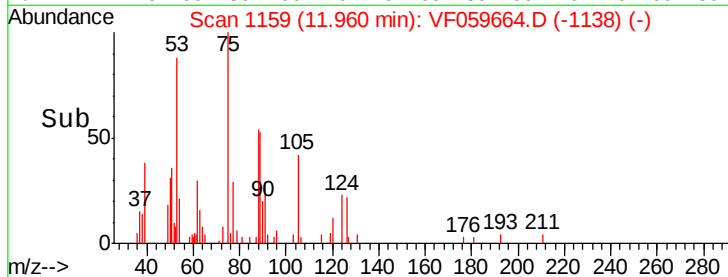
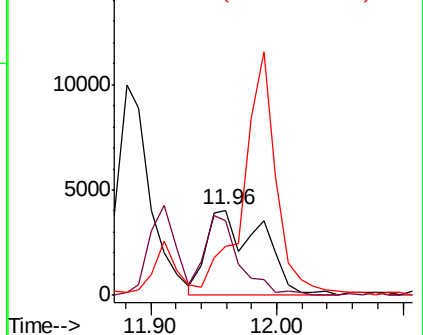
89 57.1 48.2 72.2



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

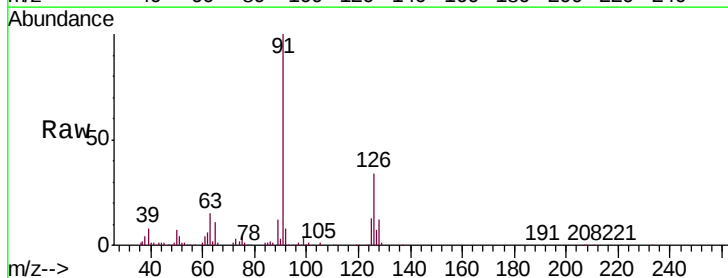
Acq: 25 Jul 2018 18:12

Tgt Ion: 91 Resp: 144426

Ion Ratio Lower Upper

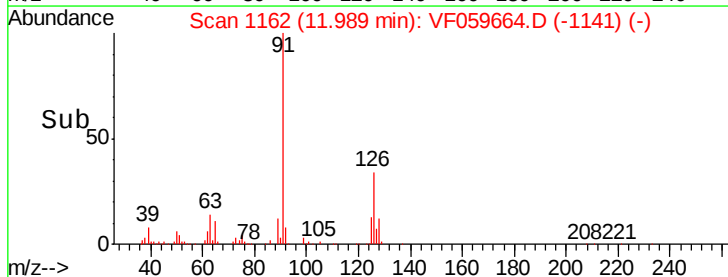
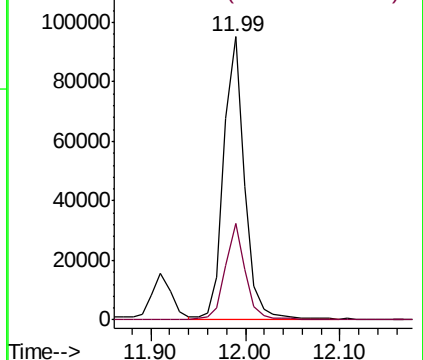
91 100

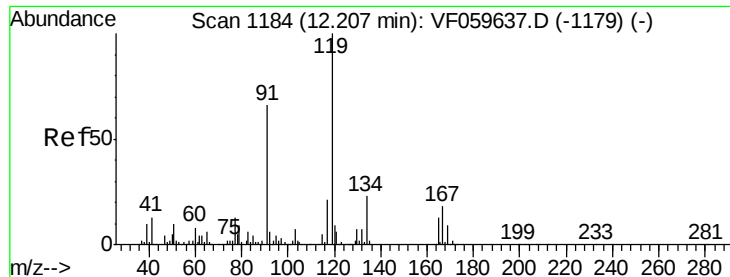
126 33.9 16.1 48.2



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

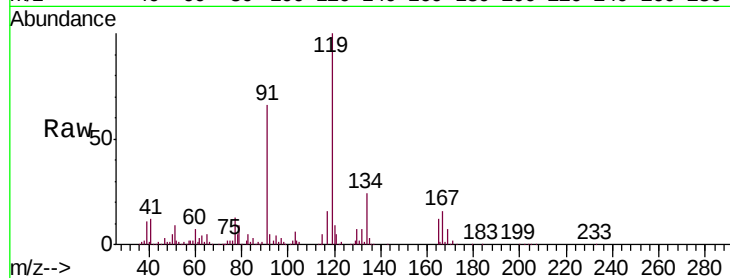
Tot Ion:119 Resp: 202744

Ion Ratio Lower Upper

119 100

91 65.6 33.2 99.6

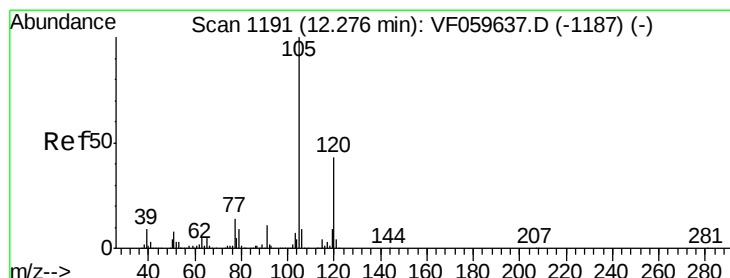
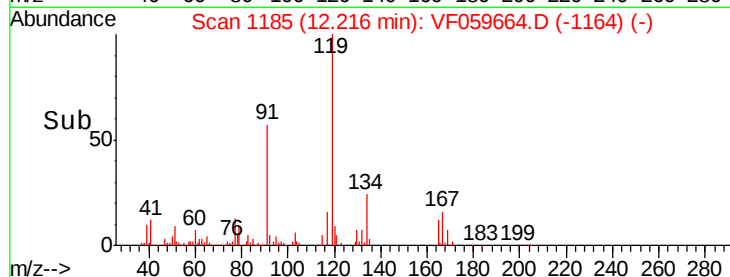
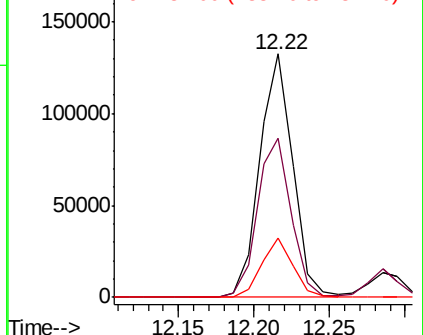
134 24.2 11.5 34.4



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

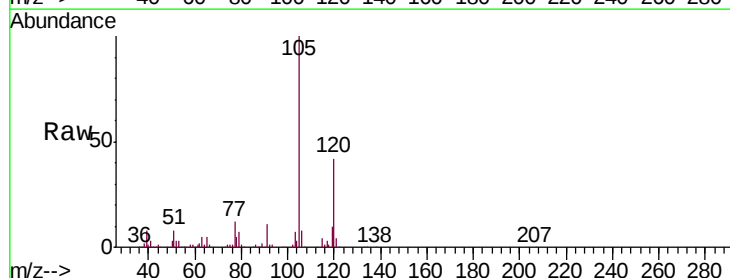
Acq: 25 Jul 2018 18:12

Tgt Ion:105 Resp: 187550

Ion Ratio Lower Upper

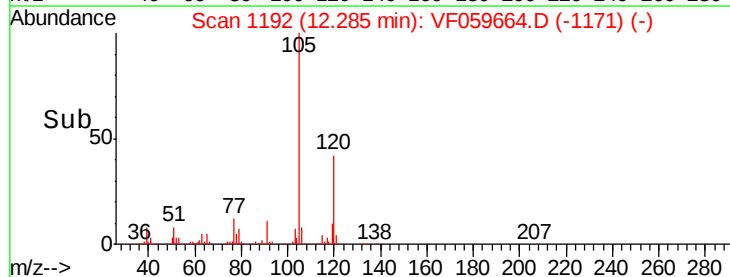
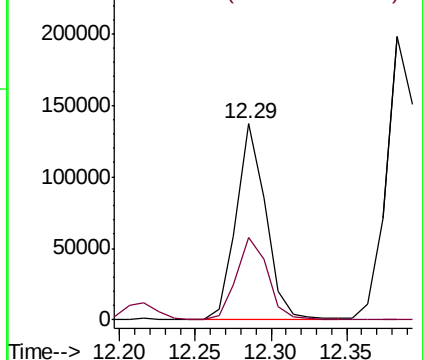
105 100

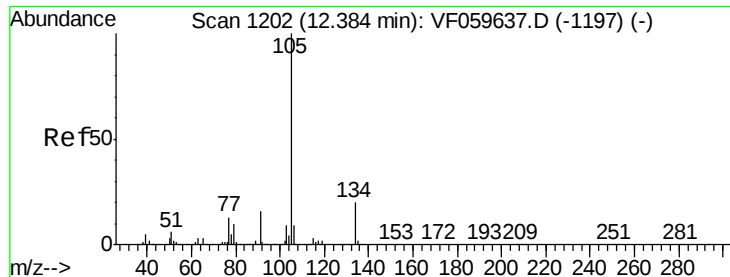
120 41.8 21.4 64.2



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 :

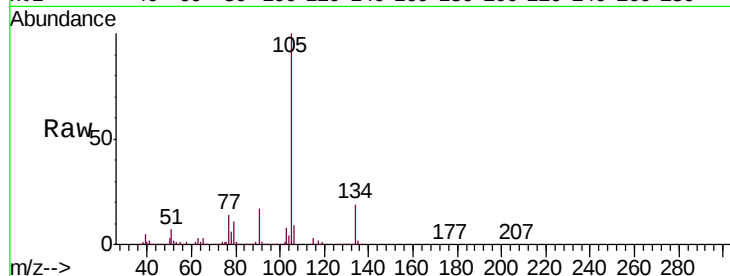
VF0725SBS01

Tot Ion:105 Resp: 290890

Ion Ratio Lower Upper

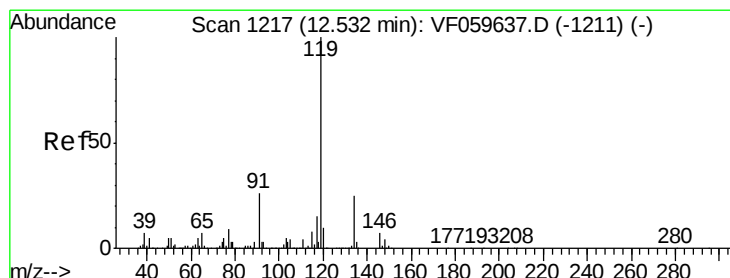
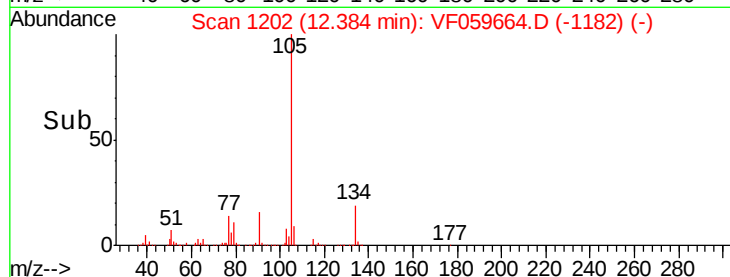
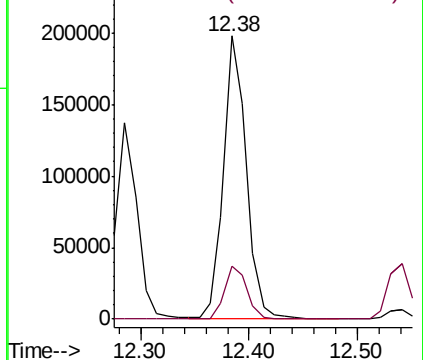
105 100

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

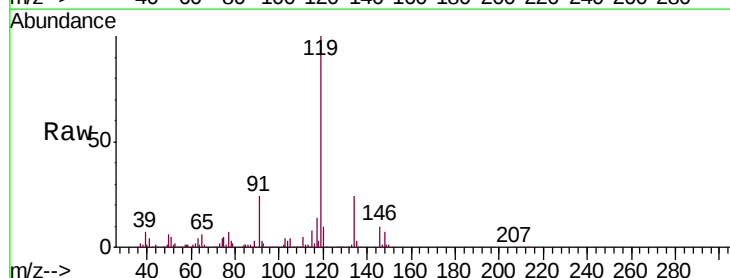
Tgt Ion:119 Resp: 237540

Ion Ratio Lower Upper

119 100

134 24.3 12.4 37.0

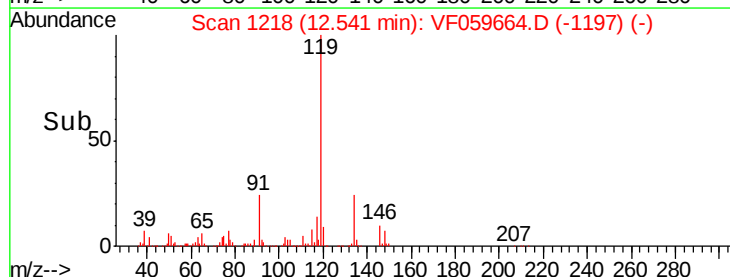
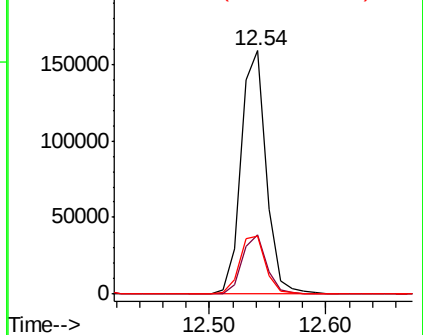
91 23.8 13.1 39.1

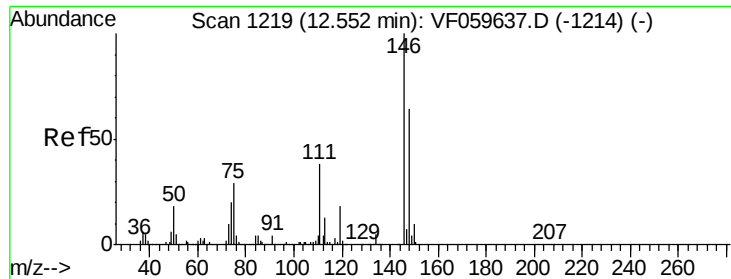


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

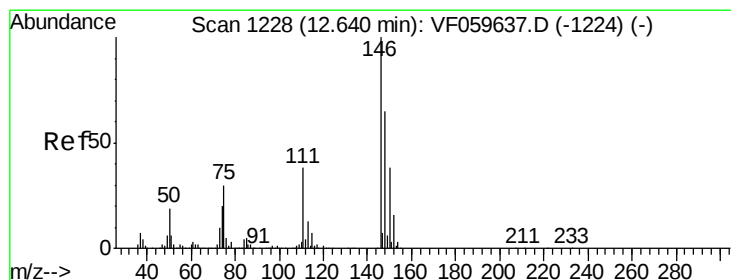
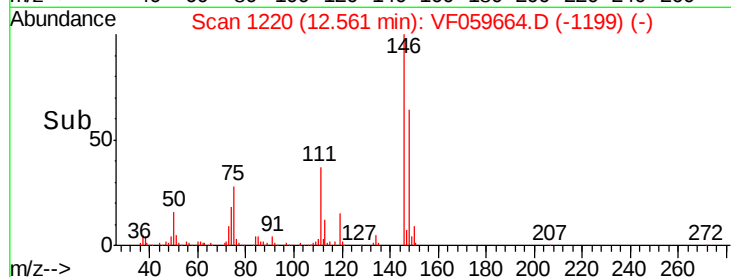
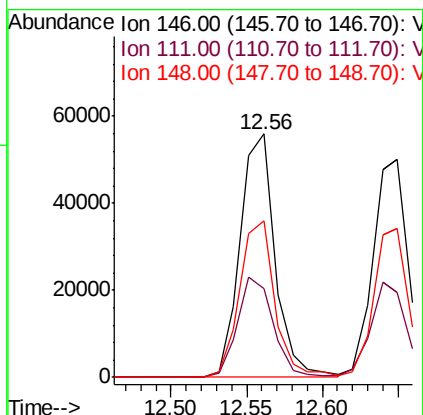
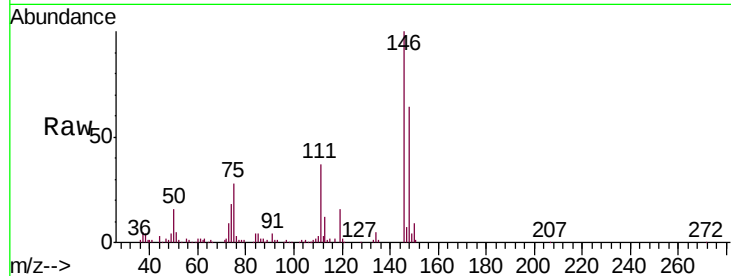




#87
 1,3-Dichlorobenzene
 Concen: 24.05 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

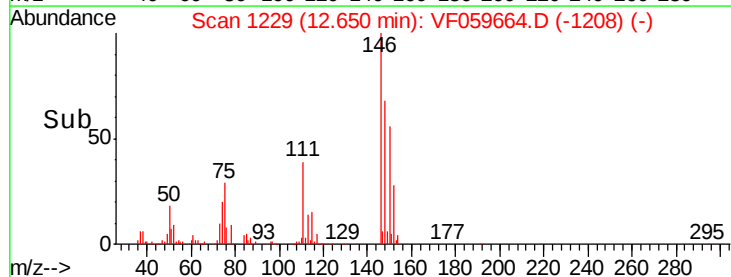
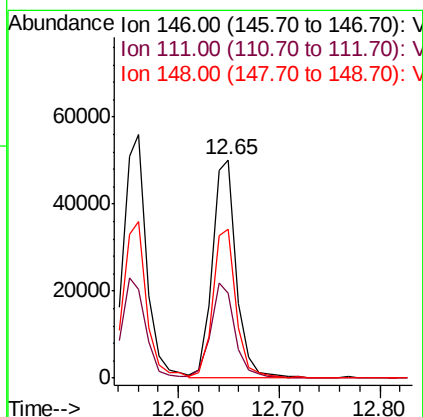
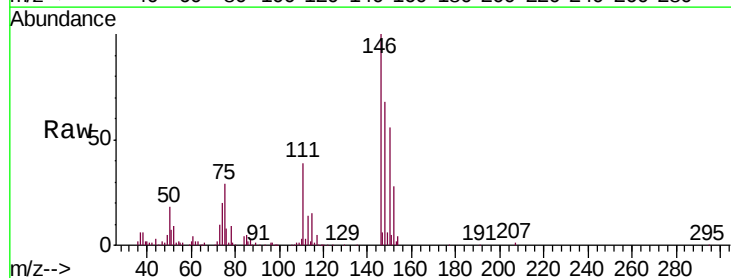
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

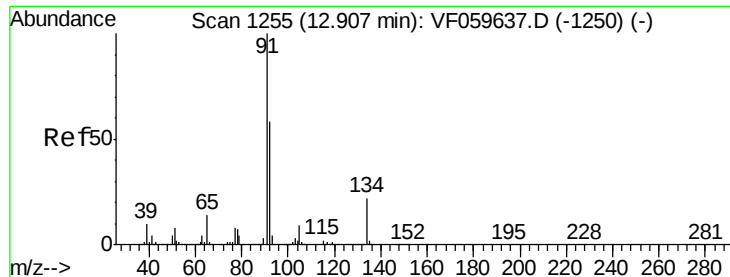
Tot Ion:146 Resp: 90343
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.1 57.1
 148 64.3 31.9 95.9



#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





#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

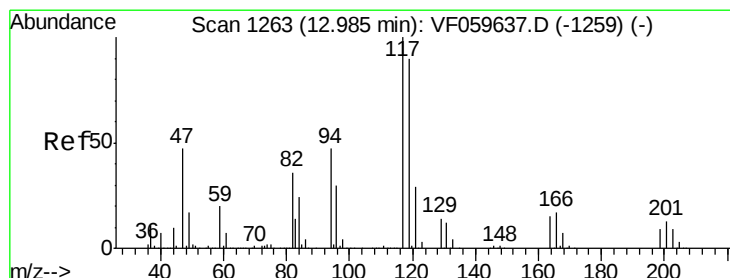
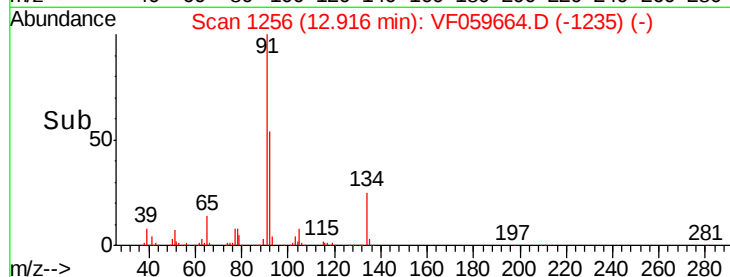
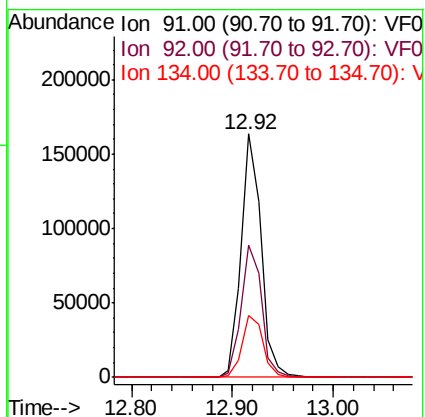
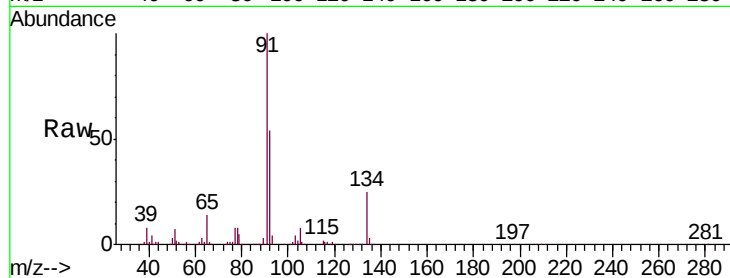
Tot Ion: 91 Resp: 226890

Ion Ratio Lower Upper

91 100

92 54.3 29.1 87.3

134 25.3 11.2 33.6



#90

Hexachloroethane

Concen: 27.41 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF059664.D

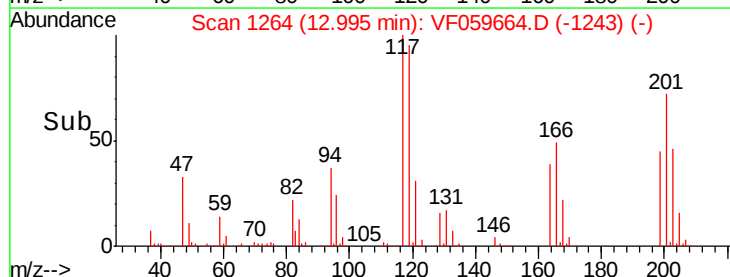
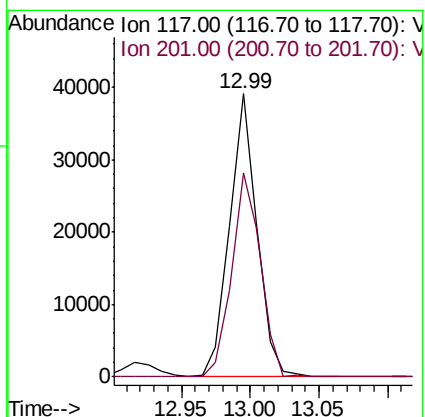
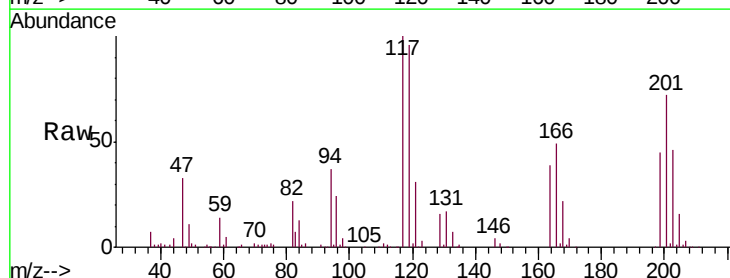
Acq: 25 Jul 2018 18:12

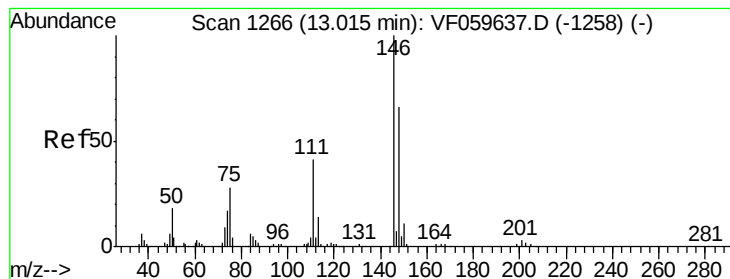
Tgt Ion: 117 Resp: 54494

Ion Ratio Lower Upper

117 100

201 72.2 6.6 19.7#





#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

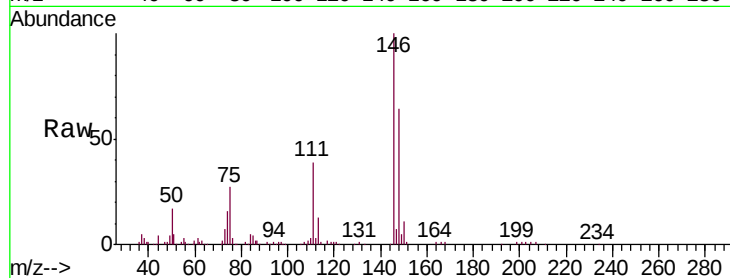
Tot Ion:146 Resp: 80380

Ion Ratio Lower Upper

146 100

111 39.3 20.3 61.0

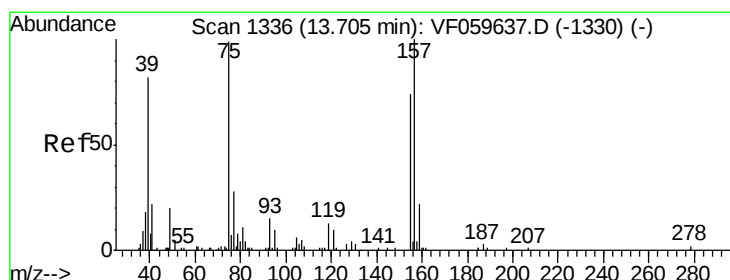
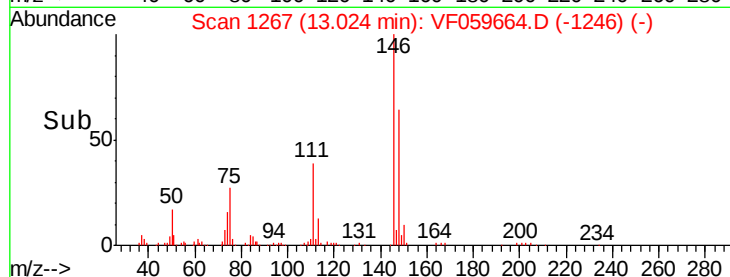
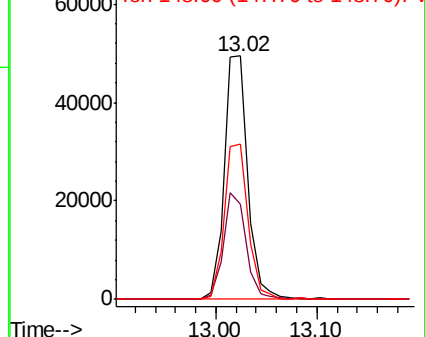
148 63.8 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

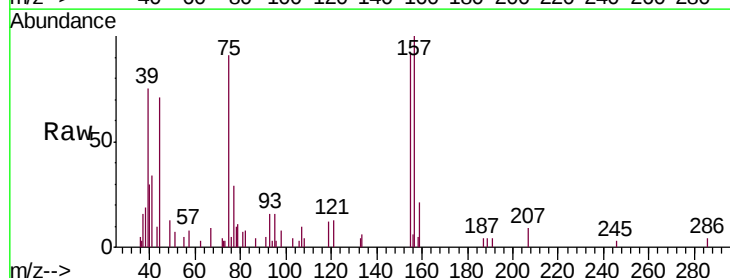
Tgt Ion: 75 Resp: 4513

Ion Ratio Lower Upper

75 100

155 101.0 37.5 112.7

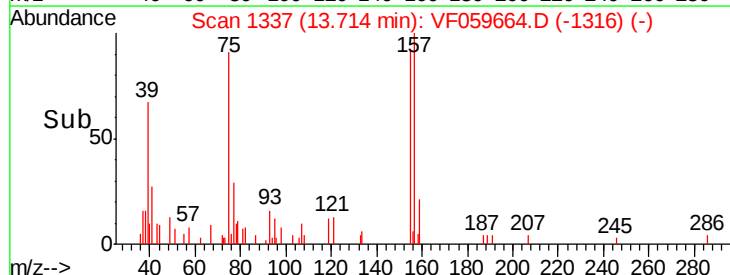
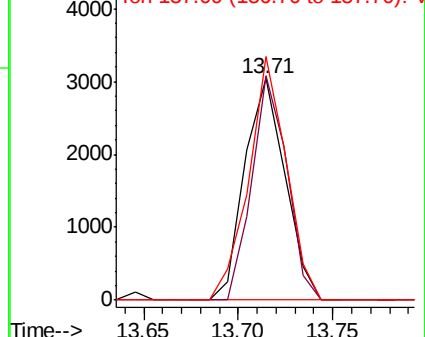
157 109.8 50.6 151.9

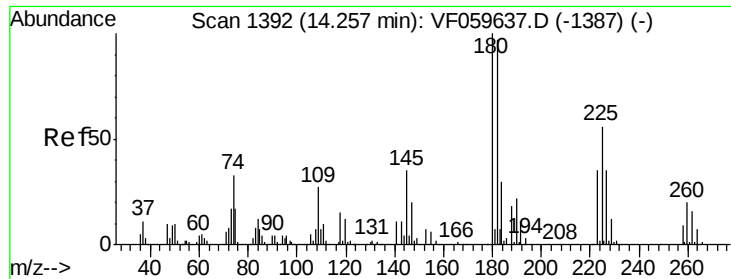


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

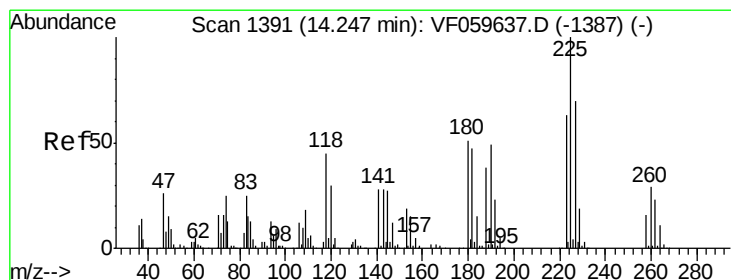
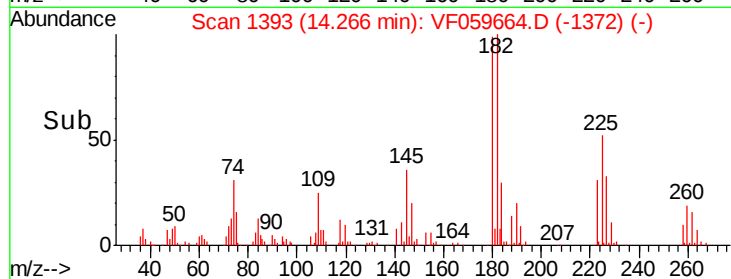
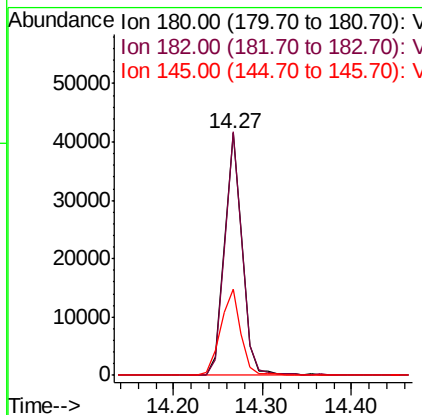
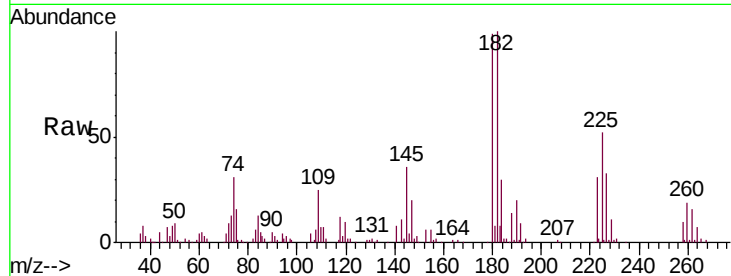




#93
 1,2,4-Trichlorobenzene
 Concen: 19.80 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059664.D
 Acq: 25 Jul 2018 18:12

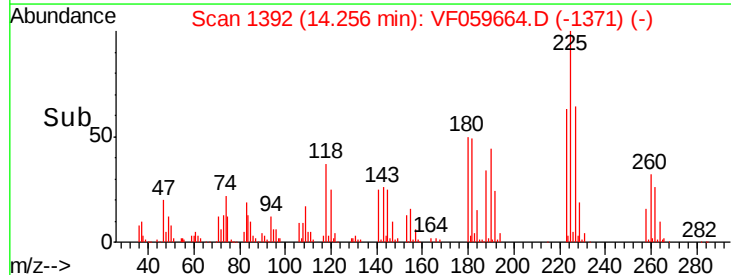
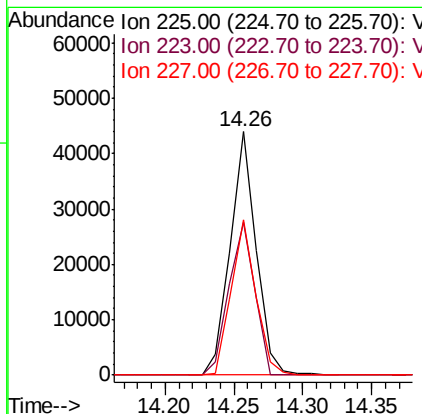
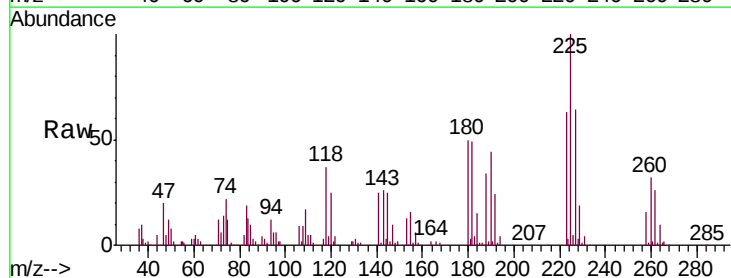
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

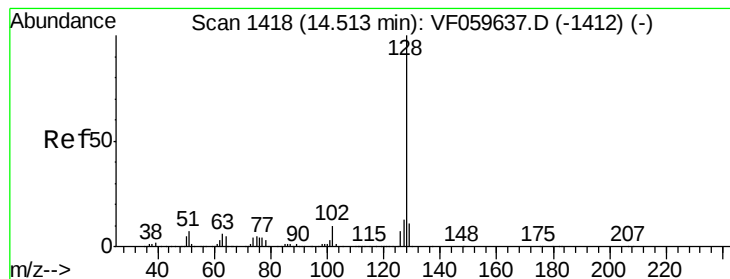
Tot Ion:180 Resp: 59165
 Ion Ratio Lower Upper
 180 100
 182 100.5 48.5 145.6
 145 35.7 17.4 52.2



#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

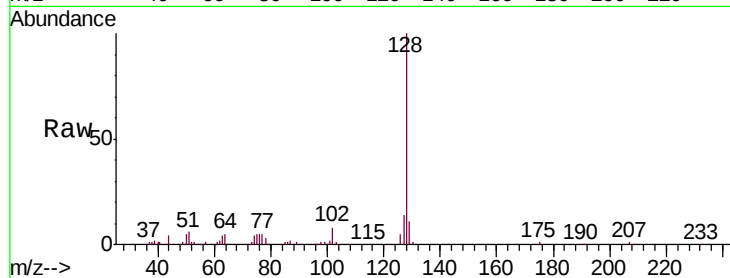
Tot Ion:128 Resp: 71530

Ion Ratio Lower Upper

128 100

127 14.1 10.1 15.1

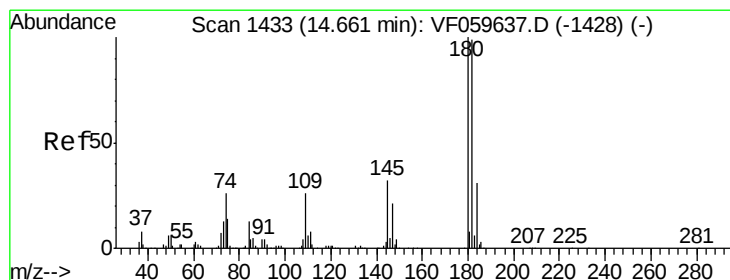
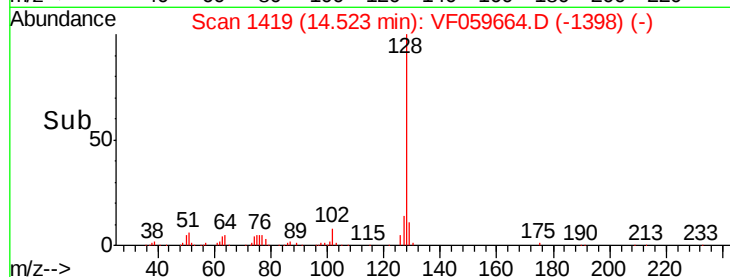
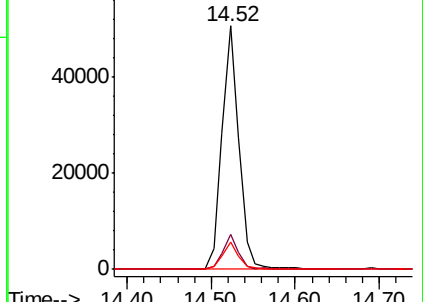
129 11.4 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

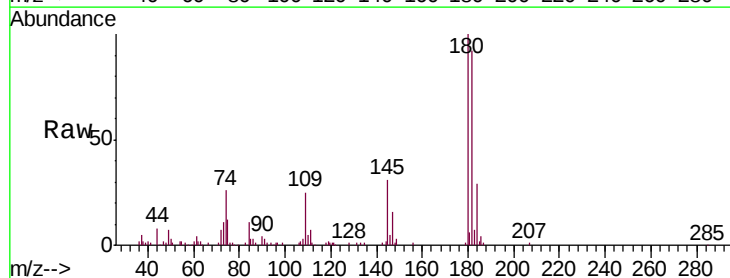
Tgt Ion:180 Resp: 49282

Ion Ratio Lower Upper

180 100

182 92.2 49.5 148.5

145 30.6 16.0 48.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

