

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
 Data File : VF059620.D
 Acq On : 23 Jul 2018 18:08
 Operator : VA/AP
 Sample : VF0723SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Quant Time: Jul 24 04:50:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	276390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	371749	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	374584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	230635	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	203341	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	4.29	113	175653	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	7.71	98	437661	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.50	95	236056	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	67638	19.504	ug/l	91
3) Chloromethane	1.08	50	29782	18.831	ug/l	94
4) Vinyl Chloride	1.14	62	37042	20.734	ug/l #	87
5) Bromomethane	1.34	94	28977	18.744	ug/l #	80
6) Chloroethane	1.42	64	19712	18.079	ug/l	94
7) Trichlorofluoromethane	1.48	101	23914	4.923	ug/l	95
8) Diethyl Ether	1.69	74	15644	22.436	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.89	101	49530	20.265	ug/l #	87
10) Methyl Iodide	1.96	142	83666	20.358	ug/l	98
11) Tert butyl alcohol	2.68	59	15465	87.358	ug/l	95
12) 1,1-Dichloroethene	1.85	96	42032	21.695	ug/l	86
13) Acrolein	2.09	56	5603	63.115	ug/l	95
14) Allyl chloride	2.18	41	68861	19.633	ug/l	94
15) Acrylonitrile	3.07	53	29149	106.741	ug/l #	83
16) Acetone	2.33	43	62482	83.787	ug/l	94
17) Carbon Disulfide	1.86	76	103669	20.672	ug/l #	92
18) Methyl Acetate	2.44	43	20397	16.790	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	106571	18.874	ug/l	96
20) Methylene Chloride	2.28	84	22592	7.582	ug/l #	78
21) trans-1,2-Dichloroethene	2.40	96	39963	20.068	ug/l	97
22) Diisopropyl ether	2.92	45	130804	20.350	ug/l	97
23) Vinyl Acetate	3.32	43	335630	103.740	ug/l	99
24) 1,1-Dichloroethane	2.99	63	91802	19.926	ug/l	97
25) 2-Butanone	4.50	43	76777	99.861	ug/l	100
26) 2,2-Dichloropropane	3.75	77	77876	20.056	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	48553	21.272	ug/l	97
28) Bromochloromethane	3.88	49	31309	18.486	ug/l	95
29) Tetrahydrofuran	4.25	42	27888	89.531	ug/l #	90
30) Chloroform	4.03	83	125450	19.808	ug/l	92
31) Cyclohexane	3.85	56	58605	22.861	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	109336	19.064	ug/l	98
36) 1,1-Dichloropropene	4.44	75	82118	21.811	ug/l #	93
37) Ethyl Acetate	4.28	43	35675	23.571	ug/l #	82
38) Carbon Tetrachloride	4.16	117	114355	19.685	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	72044	23.588	ug/l	97
40) Benzene	4.80	78	151154	21.970	ug/l	95
41) Methacrylonitrile	4.92	41	15517	19.998	ug/l #	70
42) 1,2-Dichloroethane	5.10	62	89101	19.182	ug/l	99
43) Isopropyl Acetate	7.11	43	40984	21.190	ug/l #	96
44) Trichloroethene	5.67	130	57802	21.796	ug/l	91
45) 1,2-Dichloropropane	6.40	63	39777	21.355	ug/l	94
46) Dibromomethane	6.25	93	32497	21.063	ug/l	97
47) Bromodichloromethane	6.54	83	92732	19.805	ug/l #	94
48) Methyl methacrylate	6.87	41	27870	19.266	ug/l #	81
49) 1,4-Dioxane	7.03	88	299	9.455	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	144028	102.215	ug/l	97
52) Toluene	7.78	92	113178	21.607	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	77093	19.475	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	79960	20.378	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	35725	19.933	ug/l	93
56) Ethyl methacrylate	8.75	69	39531	19.812	ug/l	90
57) 1,3-Dichloropropane	9.00	76	64374	20.642	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	24249	105.038	ug/l	100
59) 2-Hexanone	9.62	43	112217	98.133	ug/l	99
60) Dibromochloromethane	8.86	129	63465	19.885	ug/l	99
61) 1,2-Dibromoethane	9.14	107	42515	20.696	ug/l	93
64) Tetrachloroethene	8.30	164	62510	22.472	ug/l	86
65) Chlorobenzene	9.93	112	148907	21.559	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	66121	21.127	ug/l	99
67) Ethyl Benzene	10.03	91	272592	21.705	ug/l	99
68) m/p-Xylenes	10.26	106	194164	45.491	ug/l	96
69) o-Xylene	10.82	106	101935	21.988	ug/l	99
70) Styrene	10.90	104	149897	21.559	ug/l	93
71) Bromoform	10.88	173	35288	18.197	ug/l	98
73) Isopropylbenzene	11.23	105	314603	21.477	ug/l	97
74) N-amyl acetate	11.46	43	68641	20.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	49864	20.278	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	45075	20.982	ug/l	97
77) Bromobenzene	11.59	156	77445	20.406	ug/l	96
78) n-propylbenzene	11.68	91	380454	21.673	ug/l	98
79) 2-Chlorotoluene	11.81	91	218455	20.765	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	273220	20.836	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	23476	27.552	ug/l	93
82) 4-Chlorotoluene	11.98	91	245010	20.937	ug/l	98
83) tert-Butylbenzene	12.21	119	267754	20.650	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	281675	21.115	ug/l	100
85) sec-Butylbenzene	12.38	105	347664	20.744	ug/l	94
86) p-Isopropyltoluene	12.54	119	304771	20.662	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	147391	20.253	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	145553	21.317	ug/l	98
89) n-Butylbenzene	12.91	91	297741	21.126	ug/l	97
90) Hexachloroethane	12.99	117	72592	19.864	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	139206	20.522	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11340	19.158	ug/l	90

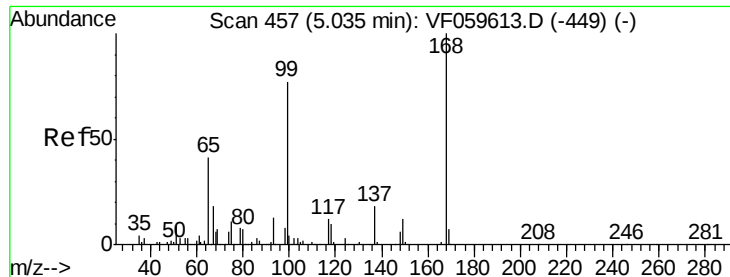
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
Data File : VF059620.D
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Sample : VF0723SBSD01
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Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	107909	21.283	ug/l	95
94) Hexachlorobutadiene	14.25	225	70929	20.096	ug/l	94
95) Naphthalene	14.52	128	165123	20.052	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	94469	20.496	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

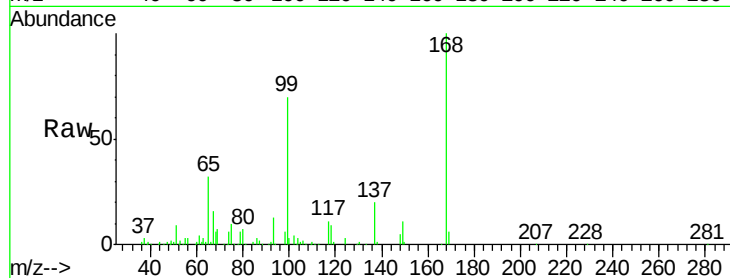
VF0723SBS01

Tgt Ion:168 Resp: 276390

Ion Ratio Lower Upper

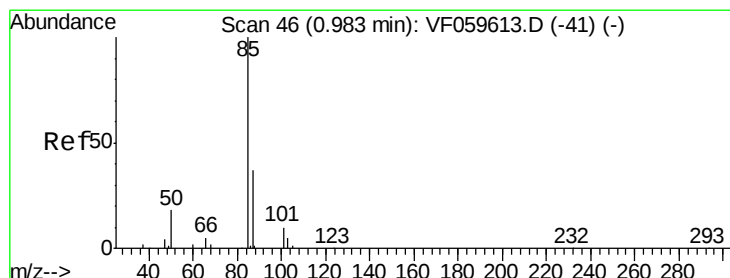
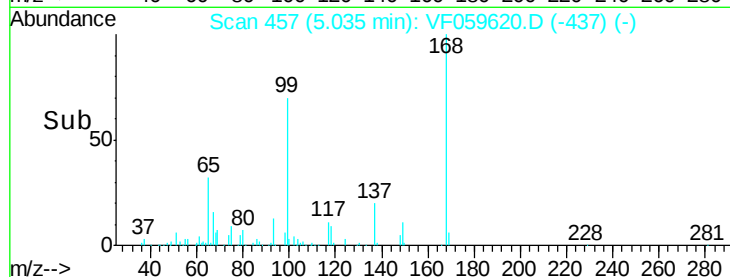
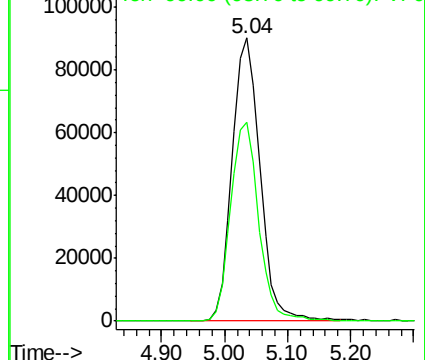
168 100

99 70.4 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.504 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059620.D

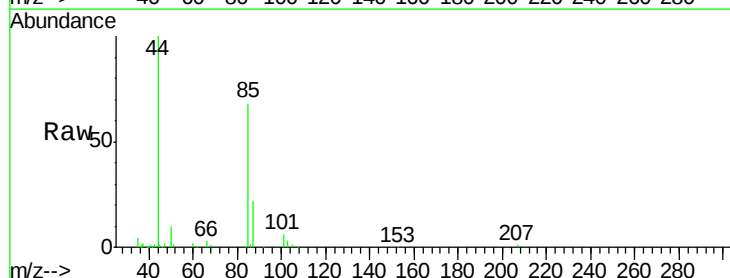
Acq: 23 Jul 2018 18:08

Tgt Ion: 85 Resp: 67638

Ion Ratio Lower Upper

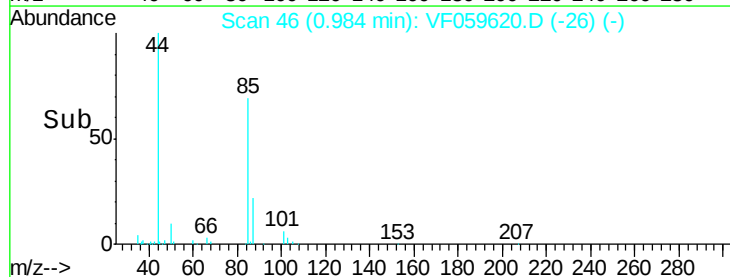
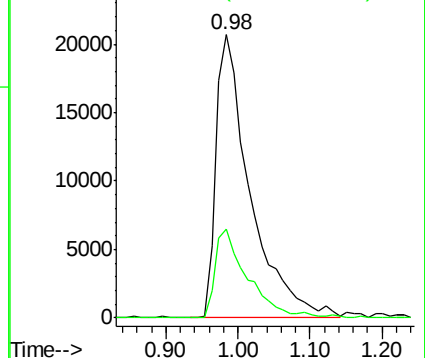
85 100

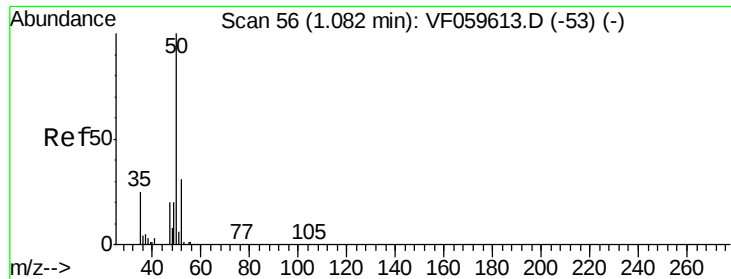
87 31.5 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 18.831 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

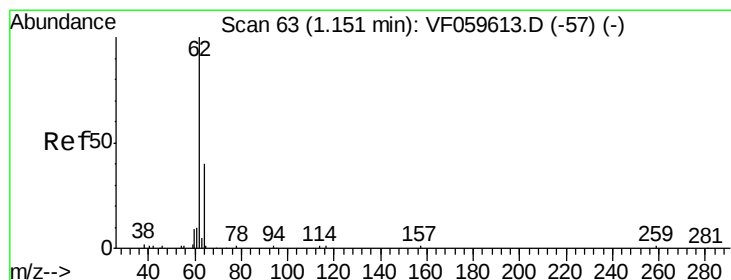
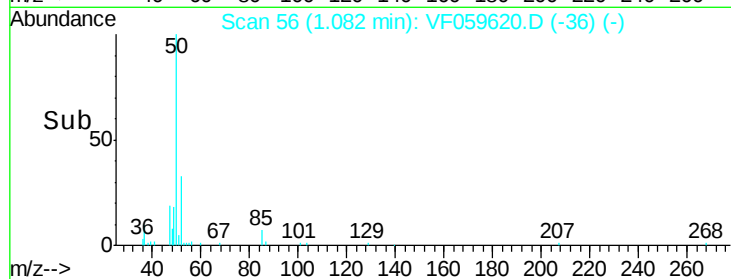
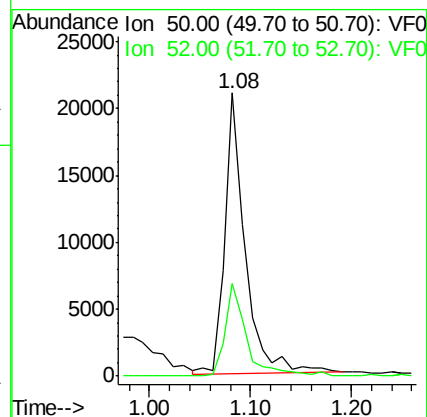
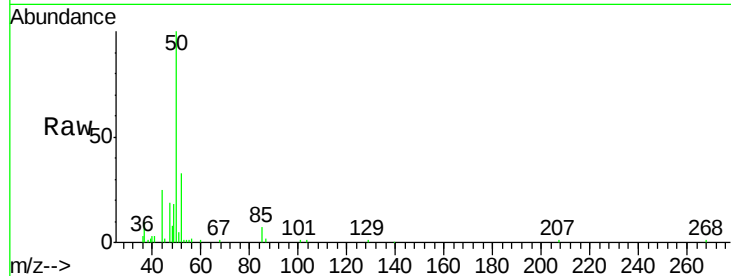
VF0723SBS01

Tgt Ion: 50 Resp: 29782

Ion Ratio Lower Upper

50 100

52 32.7 23.7 35.5



#4

Vinyl Chloride

Concen: 20.734 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059620.D

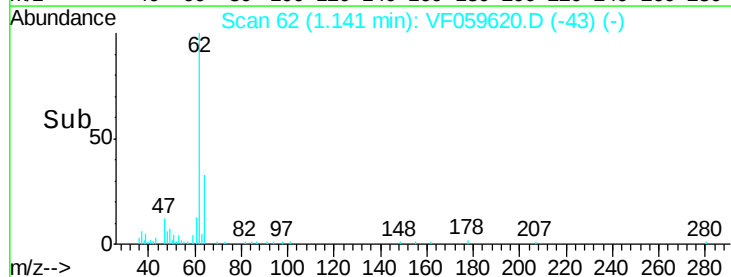
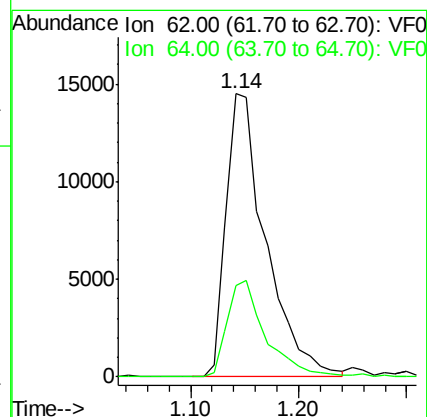
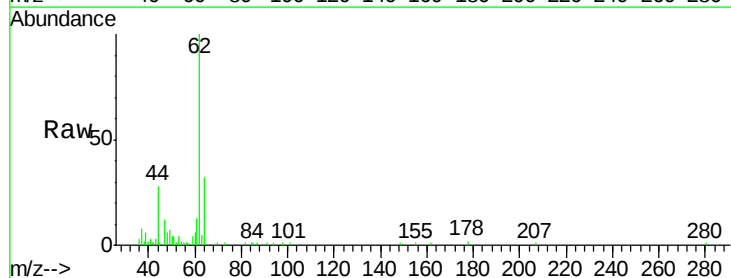
Acq: 23 Jul 2018 18:08

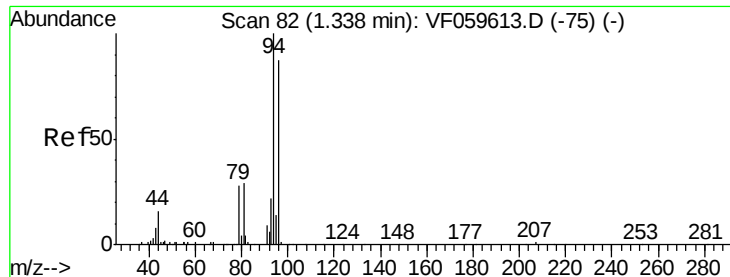
Tgt Ion: 62 Resp: 37042

Ion Ratio Lower Upper

62 100

64 32.2 32.2 48.4#





#5

Bromomethane

Concen: 18.744 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

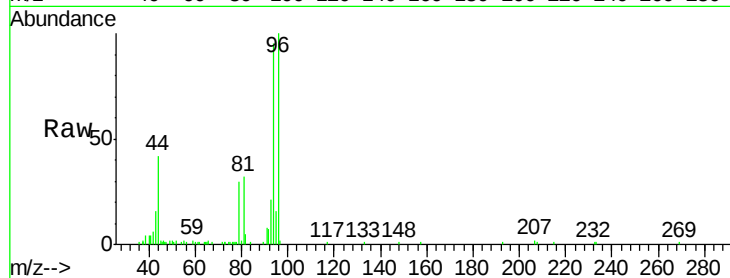
VF0723SBS01

Tgt Ion: 94 Resp: 28977

Ion Ratio Lower Upper

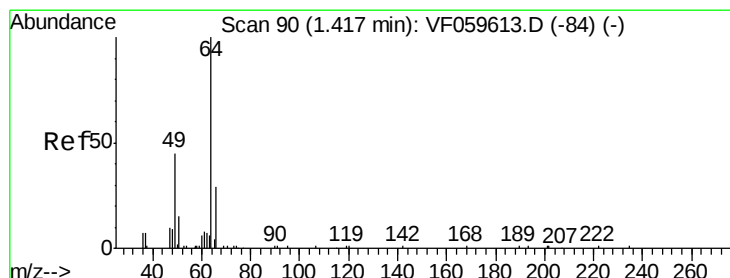
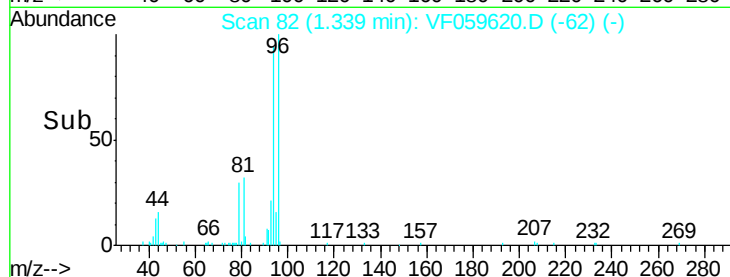
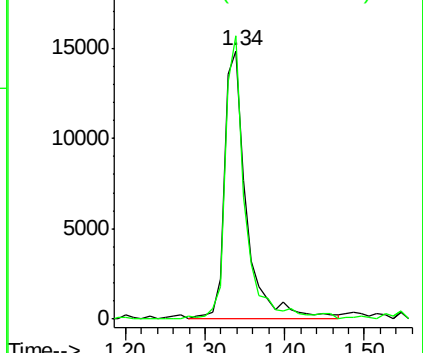
94 100

96 105.6 69.8 104.8#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 18.079 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059620.D

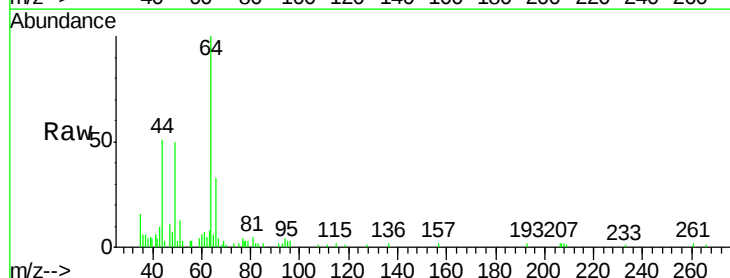
Acq: 23 Jul 2018 18:08

Tgt Ion: 64 Resp: 19712

Ion Ratio Lower Upper

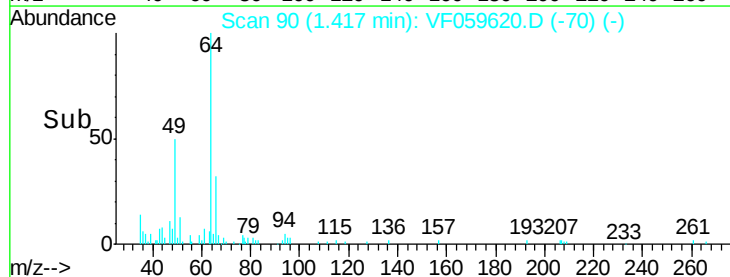
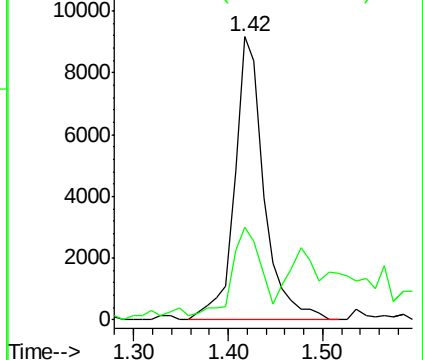
64 100

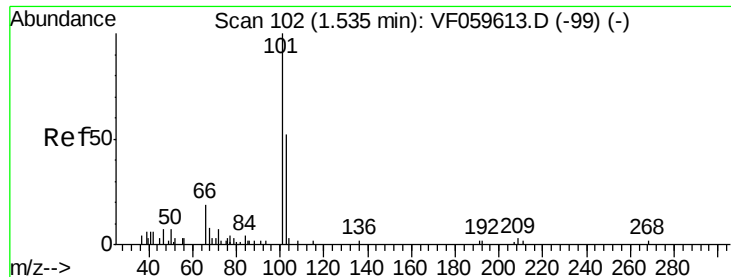
66 32.8 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 4.923 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.06 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

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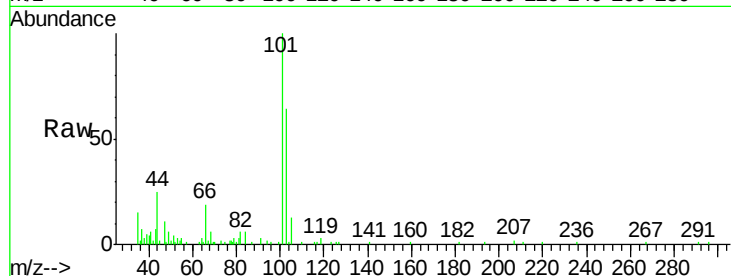
VF0723SBS01

Tgt Ion:101 Resp: 23914

Ion Ratio Lower Upper

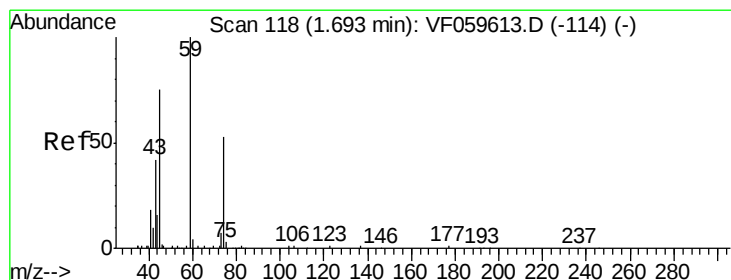
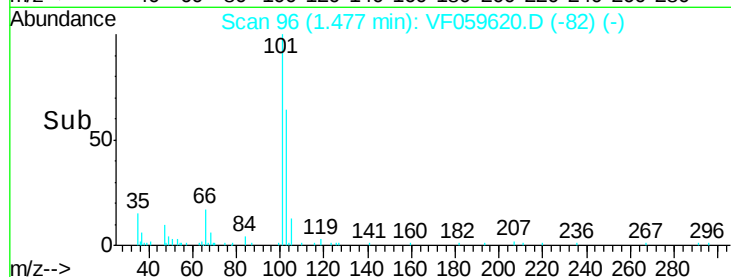
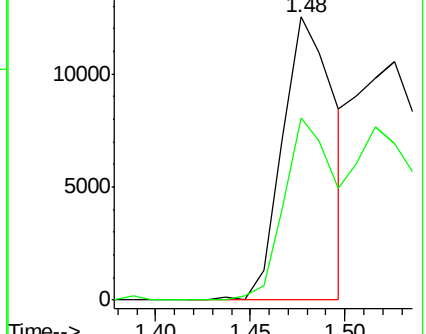
101 100

103 64.2 48.2 72.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.436 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059620.D

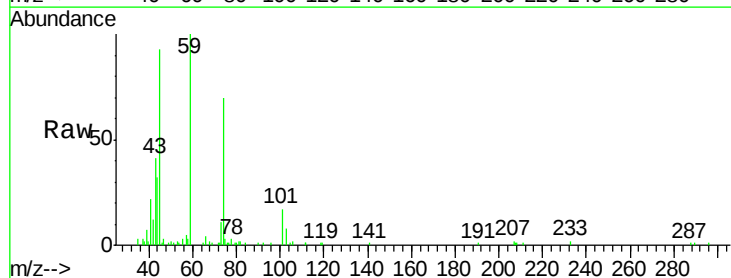
Acq: 23 Jul 2018 18:08

Tgt Ion: 74 Resp: 15644

Ion Ratio Lower Upper

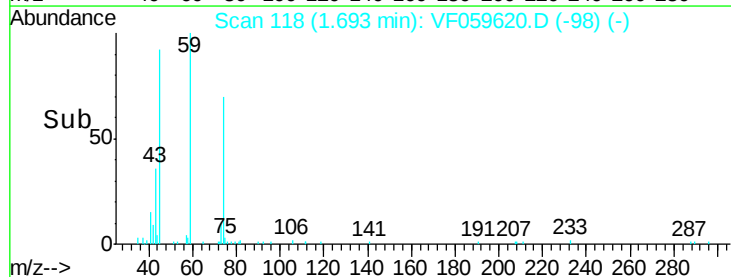
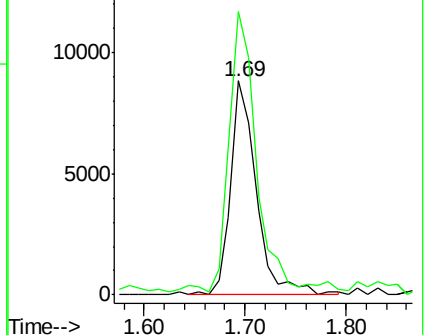
74 100

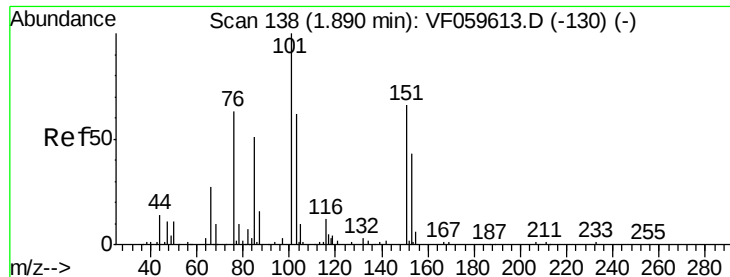
45 132.2 72.0 215.9



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: 20.265 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

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VF0723SBS01

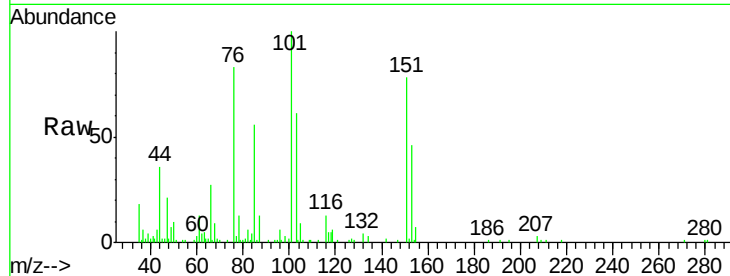
Tgt Ion:101 Resp: 49530

Ion Ratio Lower Upper

101 100

85 55.8 40.2 60.2

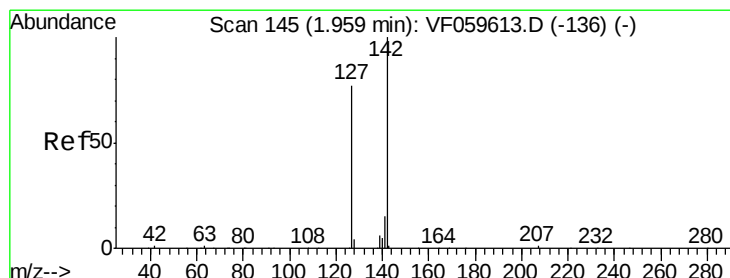
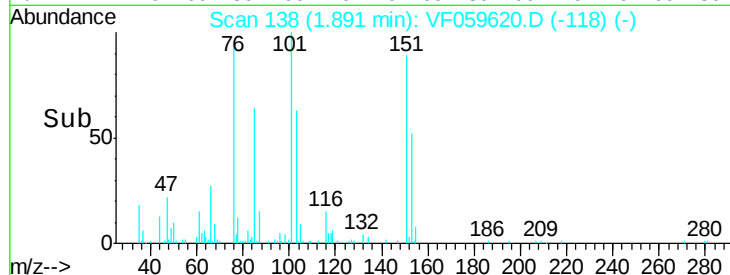
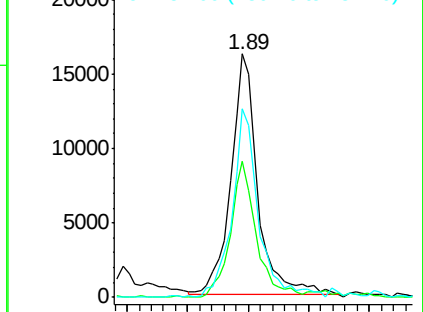
151 77.6 51.4 77.2#



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: 20.358 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

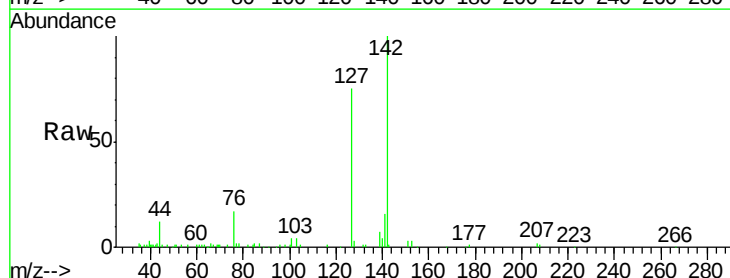
Tgt Ion:142 Resp: 83666

Ion Ratio Lower Upper

142 100

127 74.9 61.2 91.8

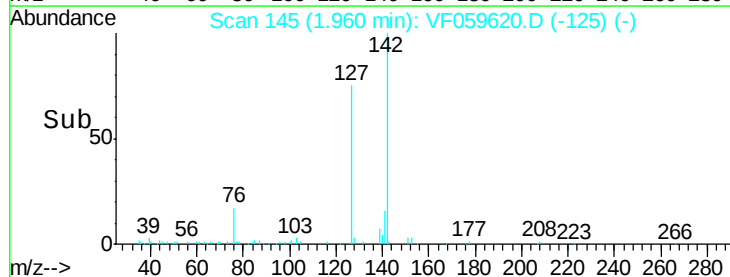
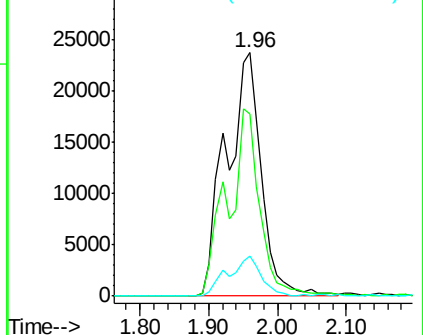
141 16.5 12.0 18.0

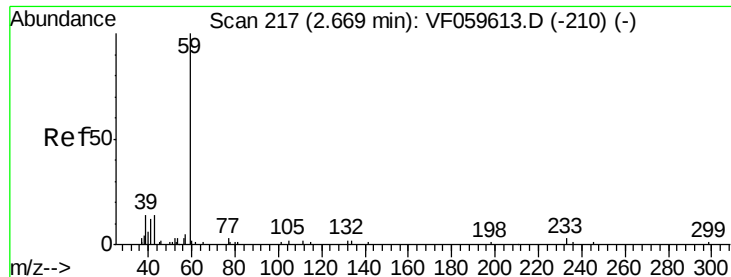


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

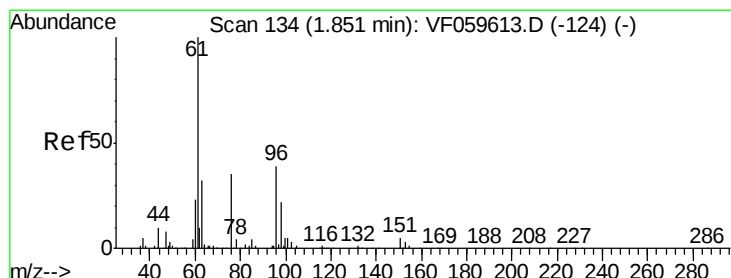
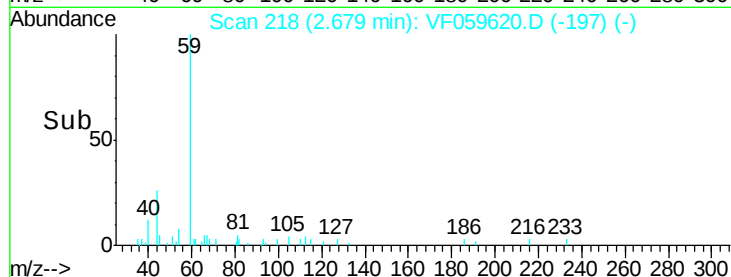
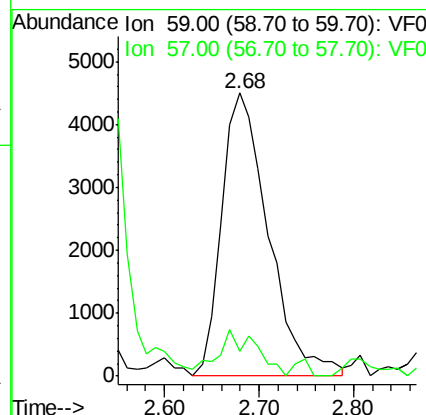
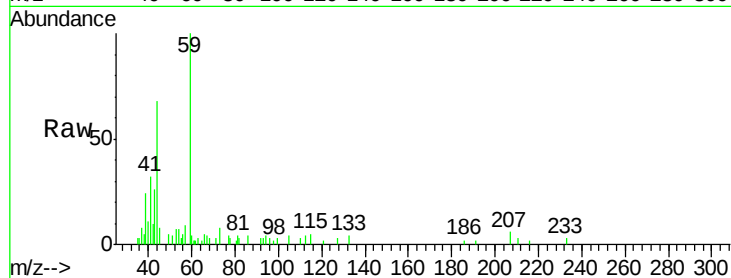




#11
Tert butyl alcohol
Concen: 87.358 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

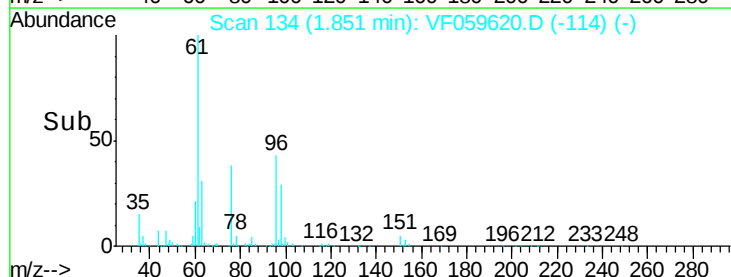
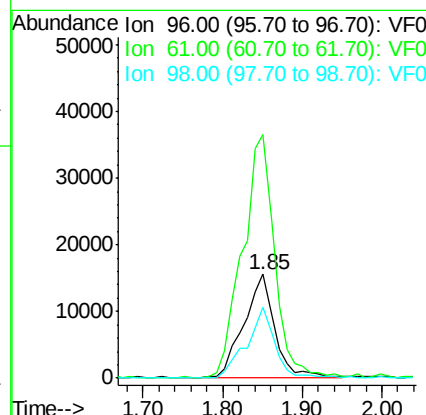
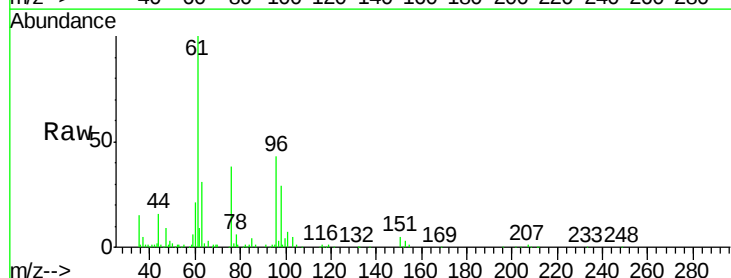
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

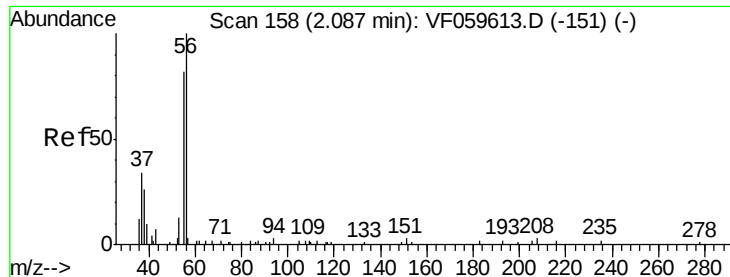
Tgt Ion: 59 Resp: 15465
Ion Ratio Lower Upper
59 100
57 8.7 8.6 12.8



#12
1,1-Dichloroethene
Concen: 21.695 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 96 Resp: 42032
Ion Ratio Lower Upper
96 100
61 234.7 207.2 310.8
98 68.3 45.5 68.3





#13

Acrolein

Concen: 63.115 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

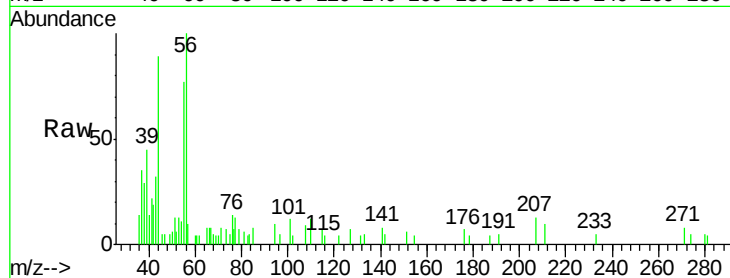
VF0723SBS01

Tgt Ion: 56 Resp: 5603

Ion Ratio Lower Upper

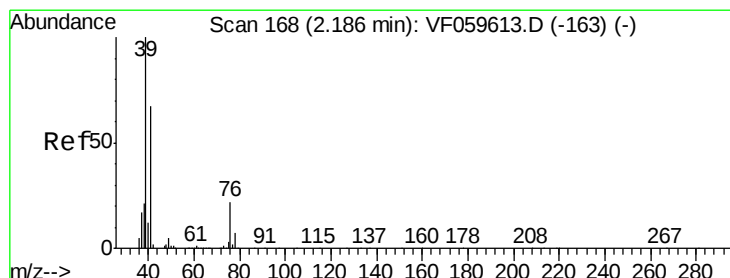
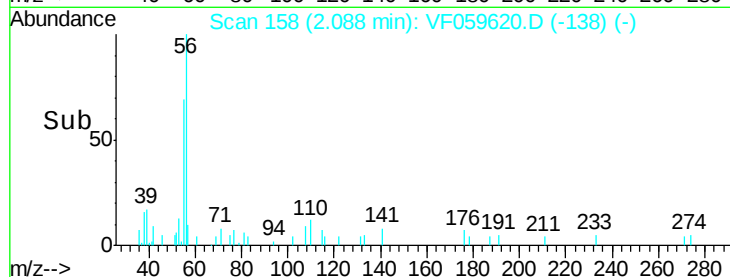
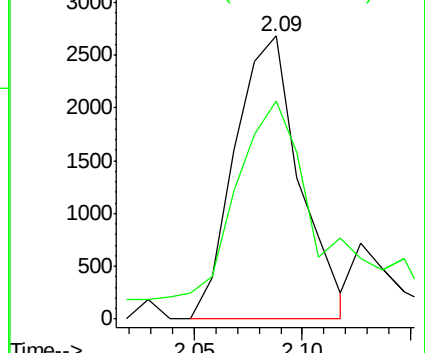
56 100

55 77.1 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 19.633 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

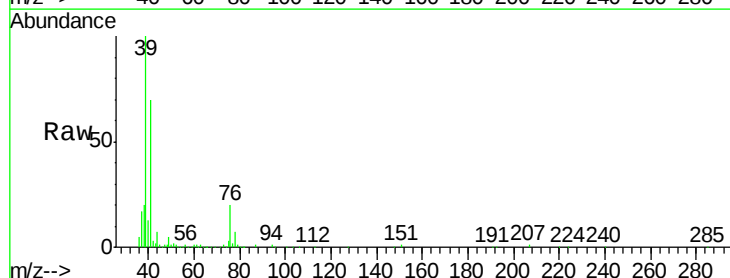
Tgt Ion: 41 Resp: 68861

Ion Ratio Lower Upper

41 100

39 142.3 119.0 178.4

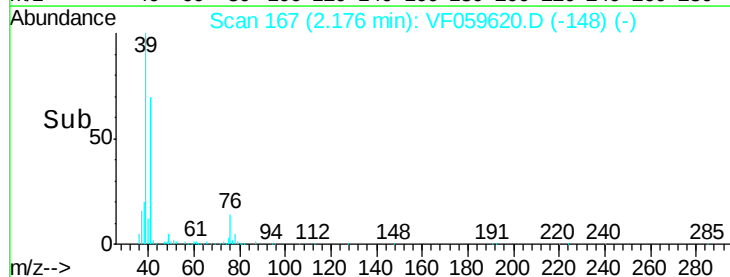
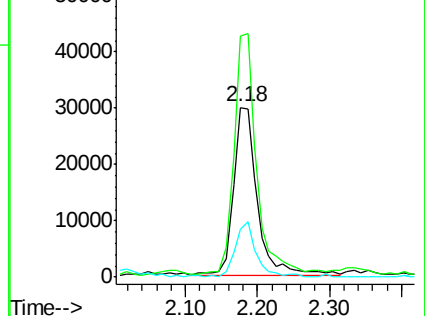
76 28.4 26.3 39.5

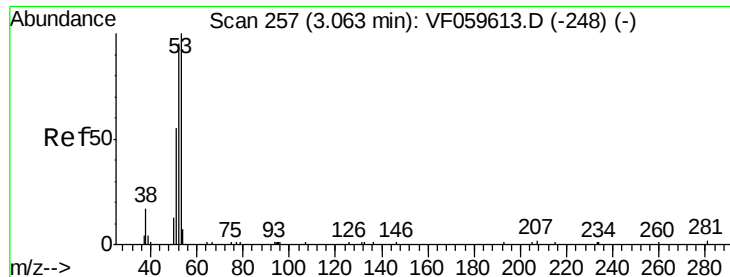


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 106.741 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

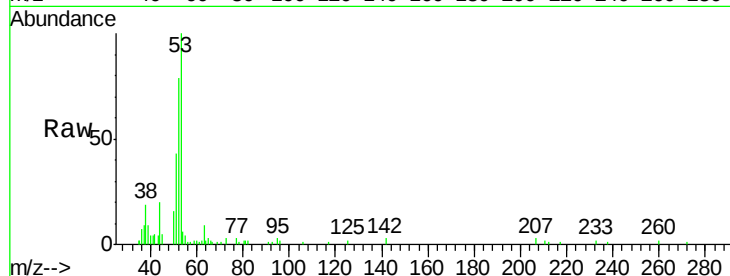
Tgt Ion: 53 Resp: 29149

Ion Ratio Lower Upper

53 100

52 79.5 76.2 114.2

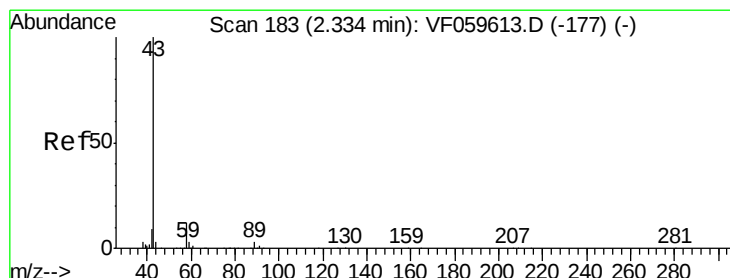
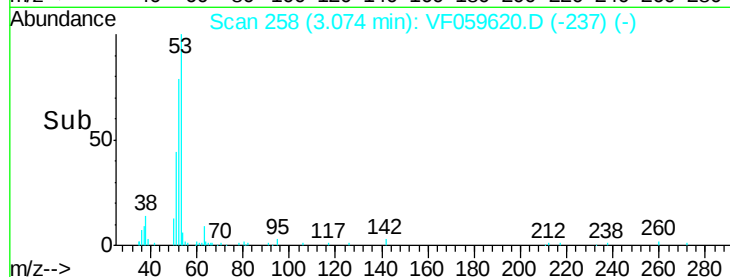
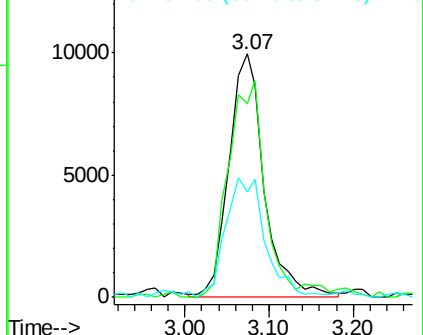
51 43.0 45.8 68.8#



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: 83.787 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059620.D

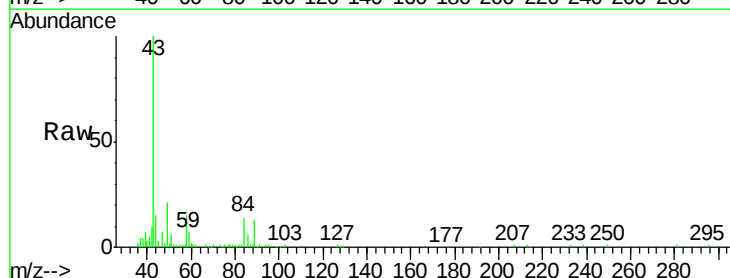
Acq: 23 Jul 2018 18:08

Tgt Ion: 43 Resp: 62482

Ion Ratio Lower Upper

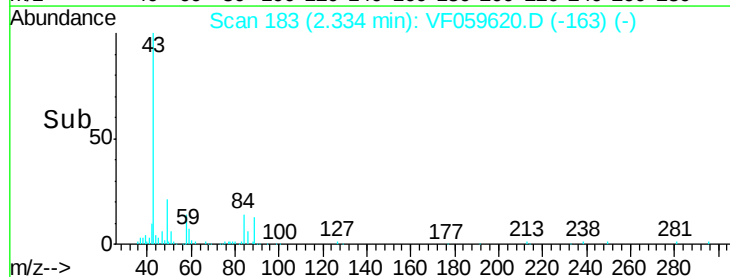
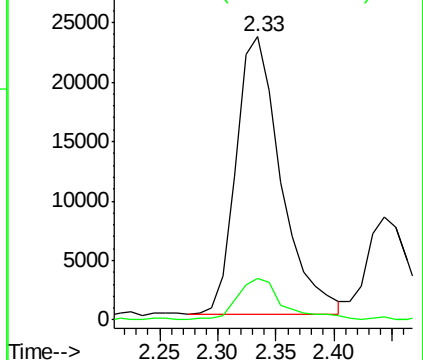
43 100

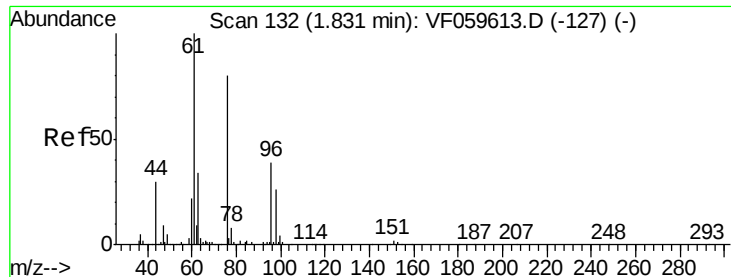
58 14.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

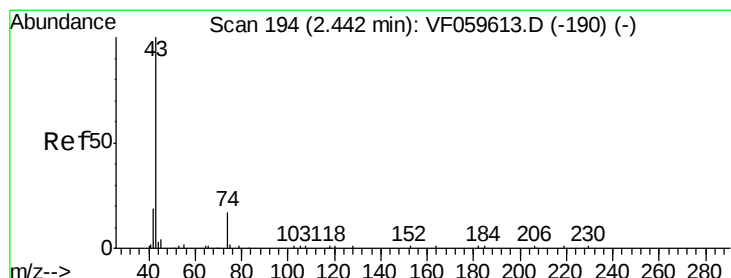
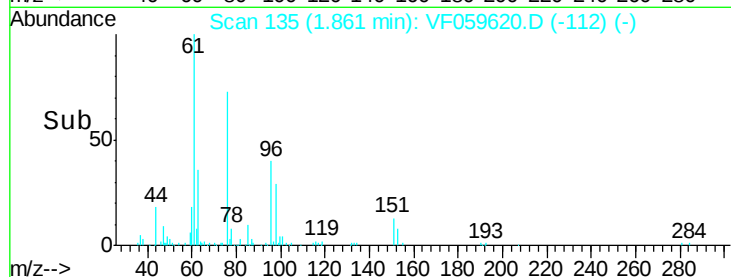
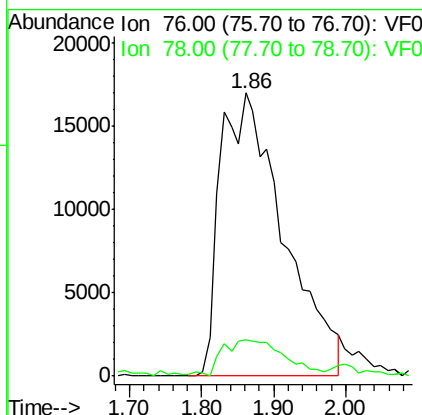
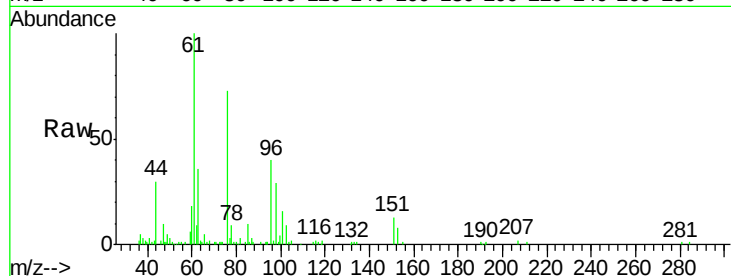




#17
Carbon Disulfide
Concen: 20.672 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

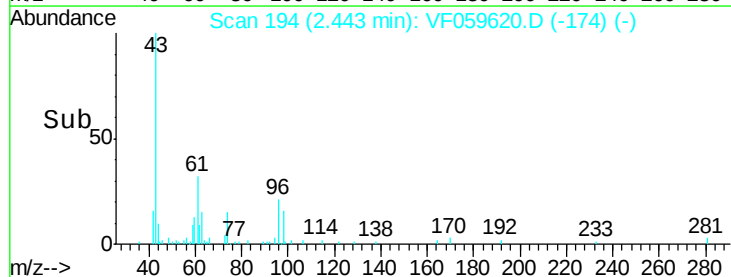
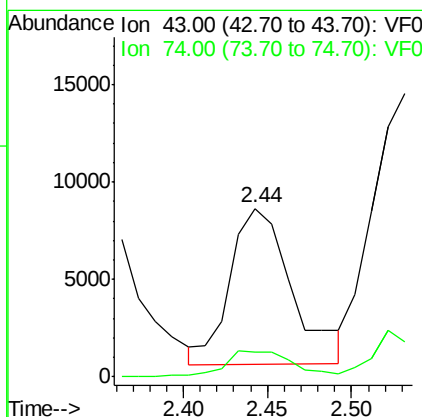
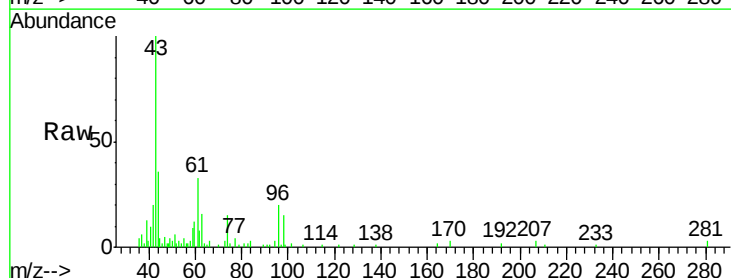
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

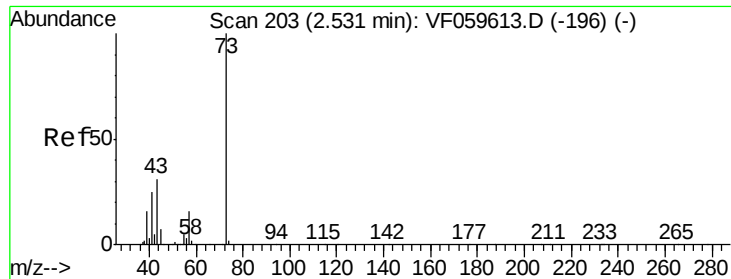
Tgt Ion: 76 Resp: 103669
Ion Ratio Lower Upper
76 100
78 12.7 7.7 11.5#



#18
Methyl Acetate
Concen: 16.790 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 43 Resp: 20397
Ion Ratio Lower Upper
43 100
74 15.1 11.4 17.0



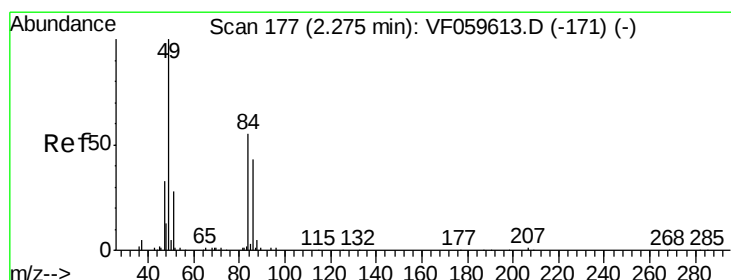
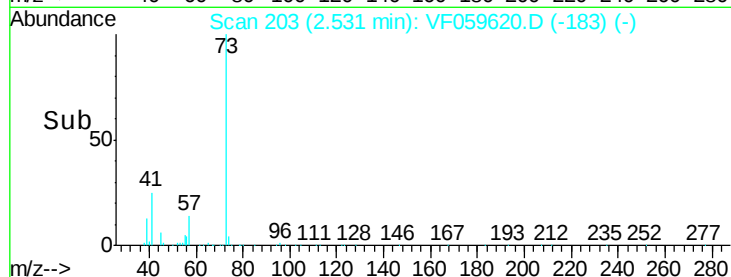
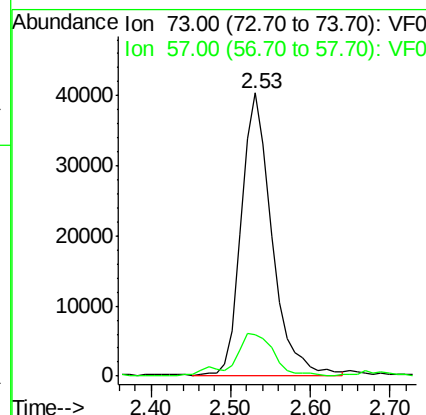
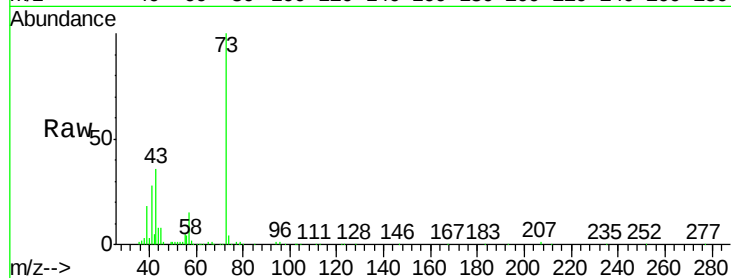


#19

Methyl tert-butyl Ether
 Concen: 18.874 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

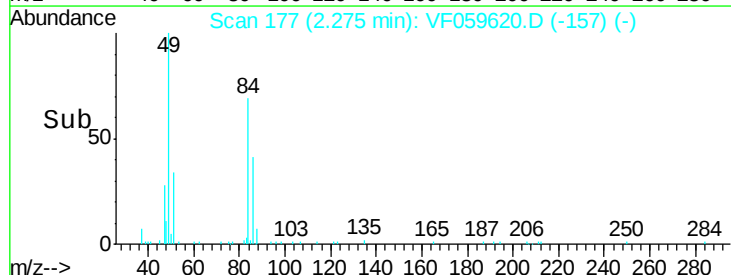
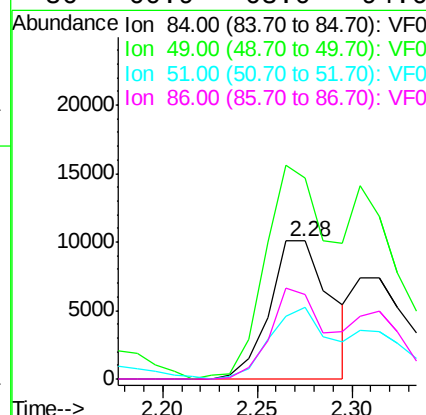
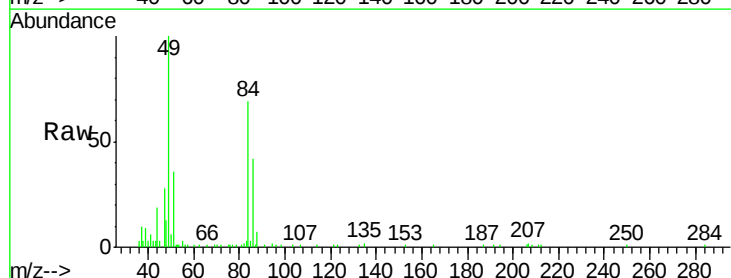
Tgt Ion: 73 Resp: 106571
 Ion Ratio Lower Upper
 73 100
 57 14.6 13.2 19.8

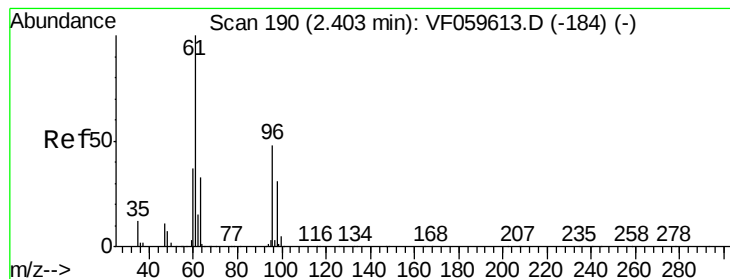


#20

Methylene Chloride
 Concen: 7.582 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion: 84 Resp: 22592
 Ion Ratio Lower Upper
 84 100
 49 145.5 148.6 222.8#
 51 51.8 42.7 64.1
 86 60.9 63.0 94.6#





#21

trans-1,2-Dichloroethene

Concen: 20.068 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

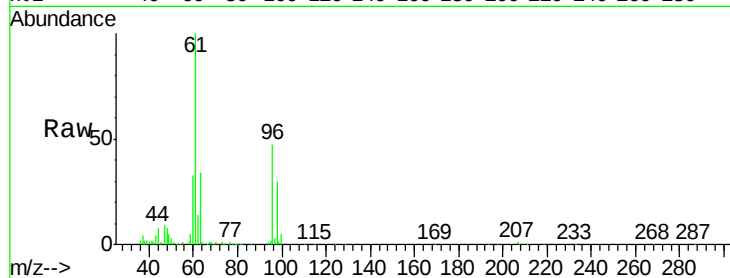
Tgt Ion: 96 Resp: 39963

Ion Ratio Lower Upper

96 100

61 213.8 167.0 250.6

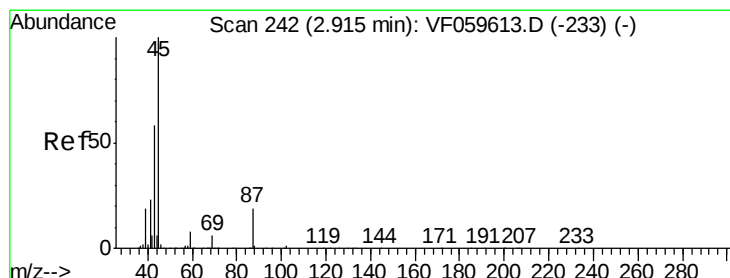
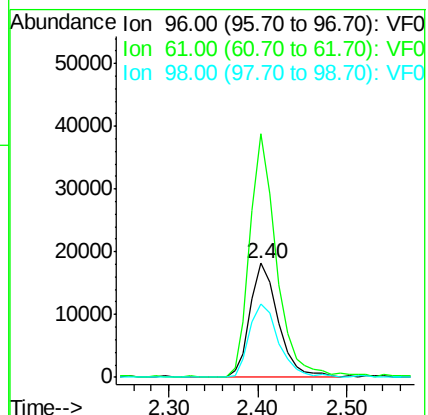
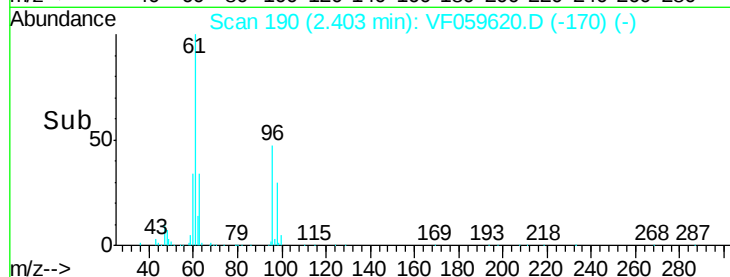
98 64.1 51.8 77.8



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



#22

Diisopropyl ether

Concen: 20.350 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion: 45 Resp: 130804

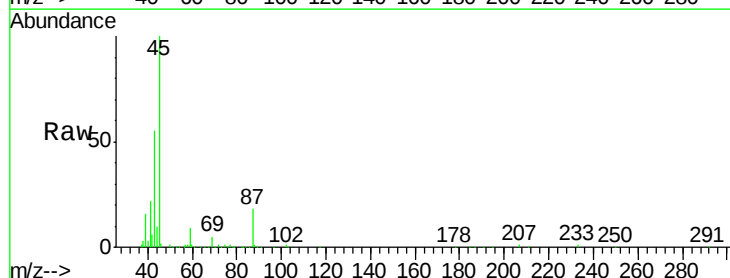
Ion Ratio Lower Upper

45 100

43 55.0 46.7 70.1

87 18.3 15.0 22.6

59 8.6 7.0 10.4

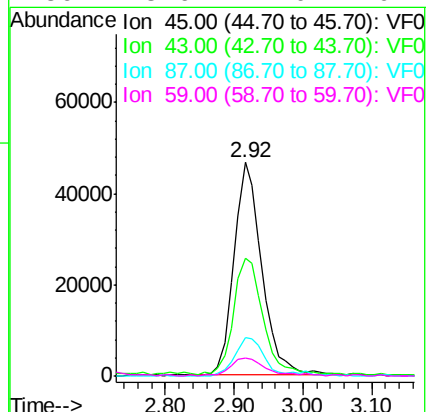
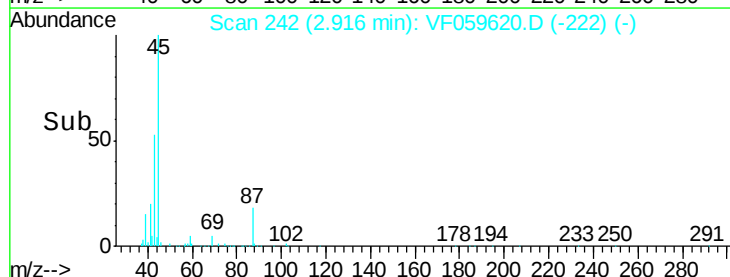


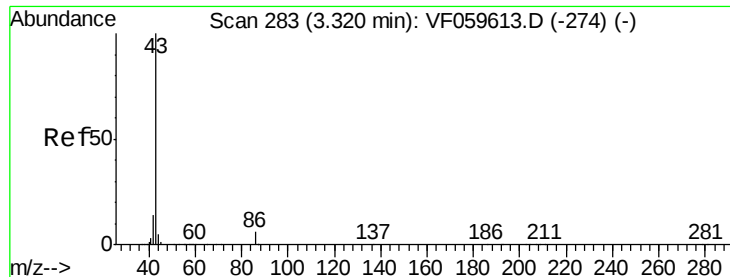
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 103.740 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

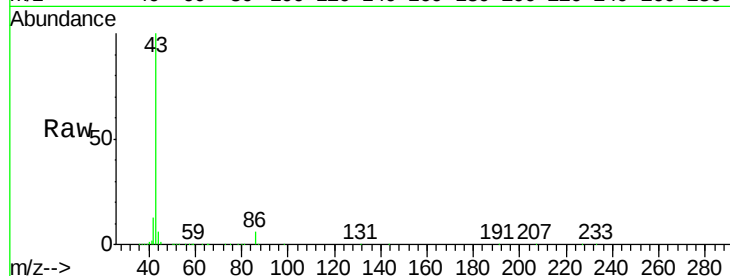
VF0723SBS01

Tgt Ion: 43 Resp: 335630

Ion Ratio Lower Upper

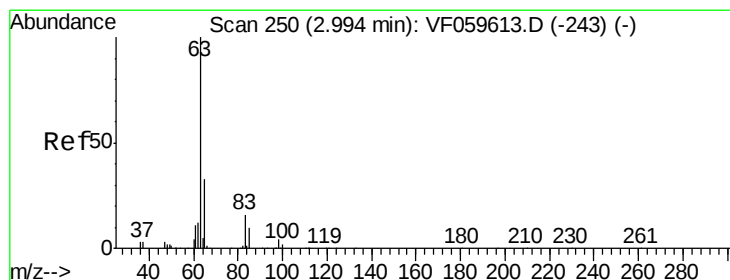
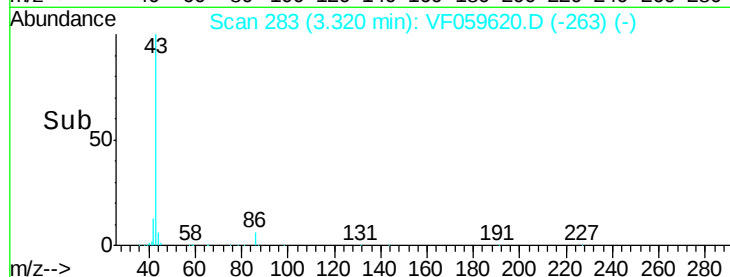
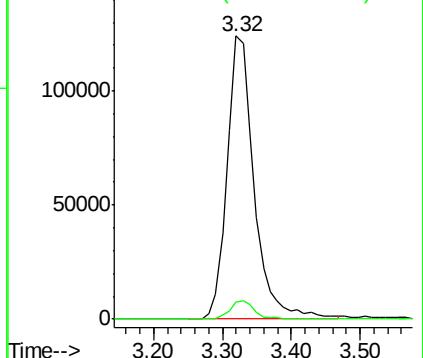
43 100

86 5.9 4.6 6.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.926 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

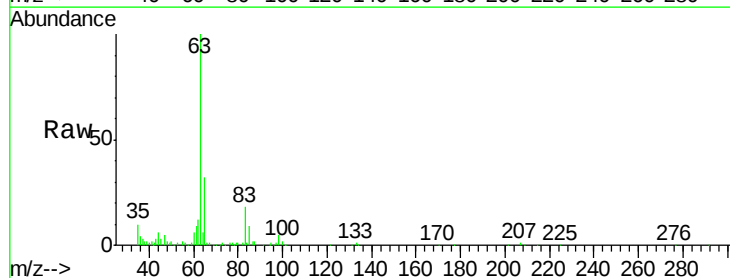
Tgt Ion: 63 Resp: 91802

Ion Ratio Lower Upper

63 100

98 5.3 1.9 5.7

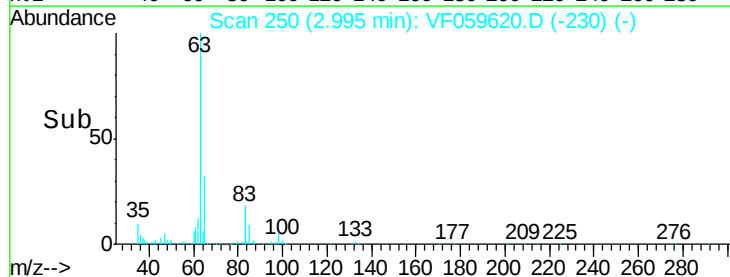
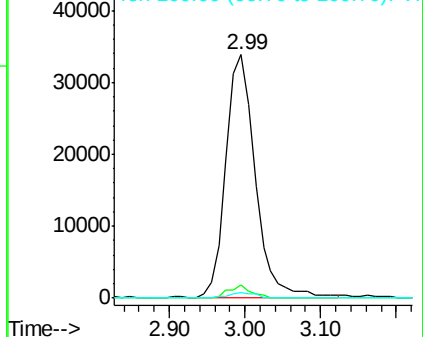
100 2.5 1.2 3.6

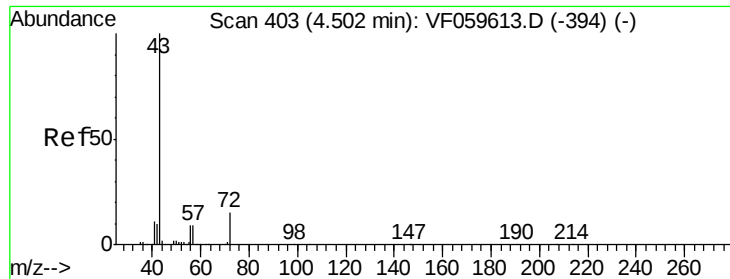


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 99.861 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

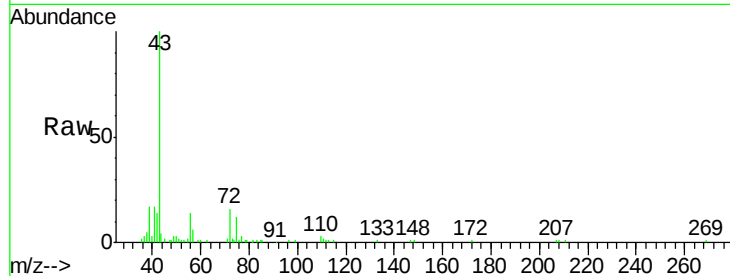
VF0723SBS01

Tgt Ion: 43 Resp: 76777

Ion Ratio Lower Upper

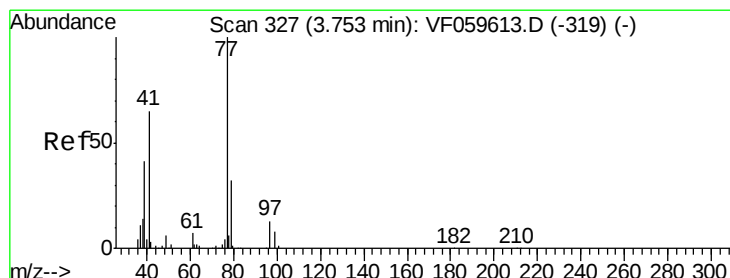
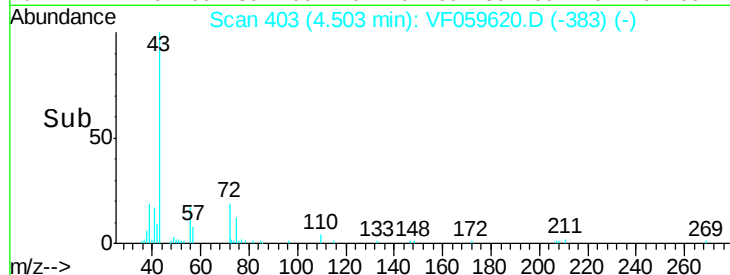
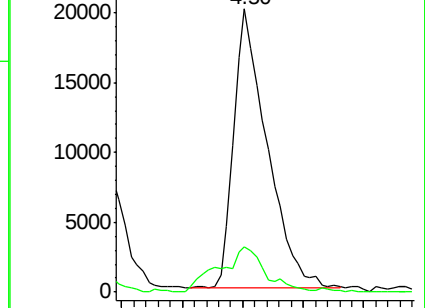
43 100

72 16.1 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 20.056 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059620.D

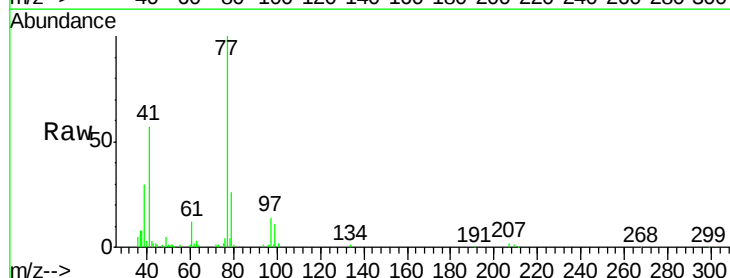
Acq: 23 Jul 2018 18:08

Tgt Ion: 77 Resp: 77876

Ion Ratio Lower Upper

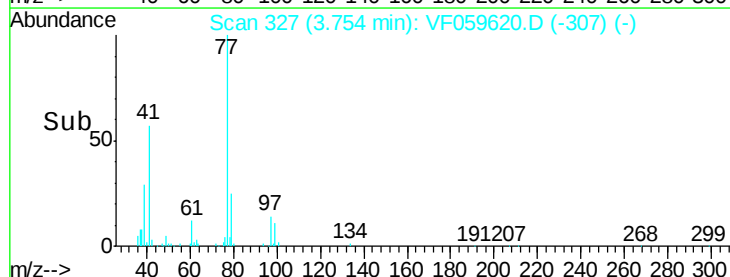
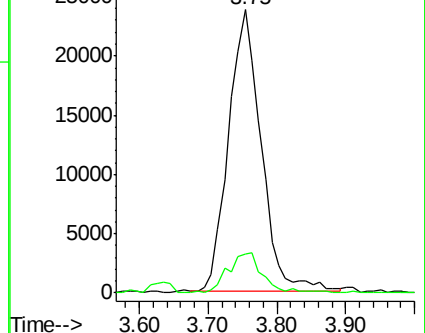
77 100

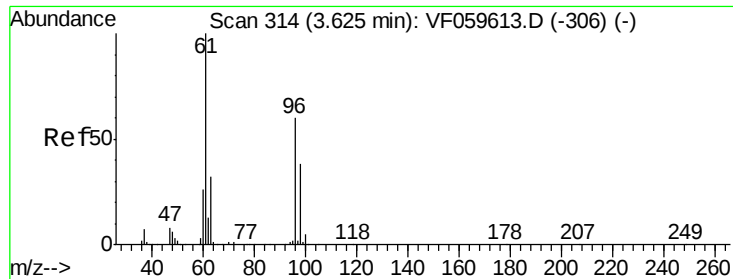
97 13.7 7.1 21.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



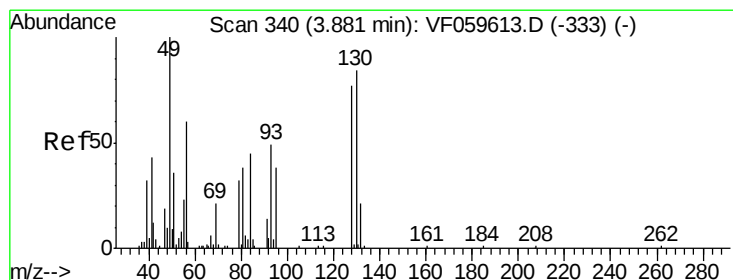
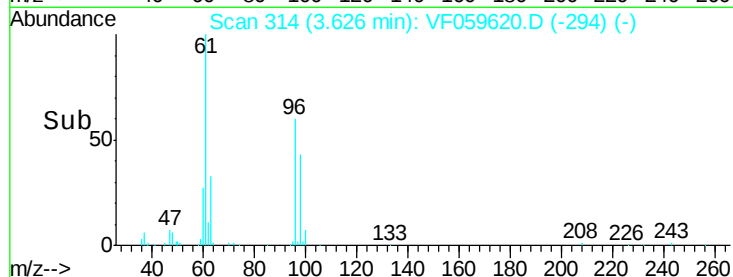
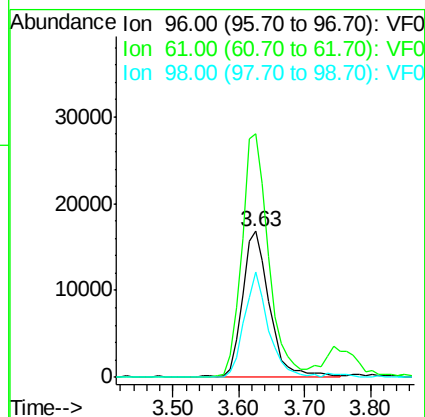
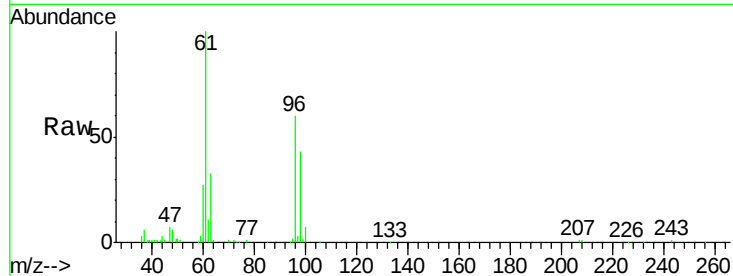


#27

cis-1,2-Dichloroethene
Concen: 21.272 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

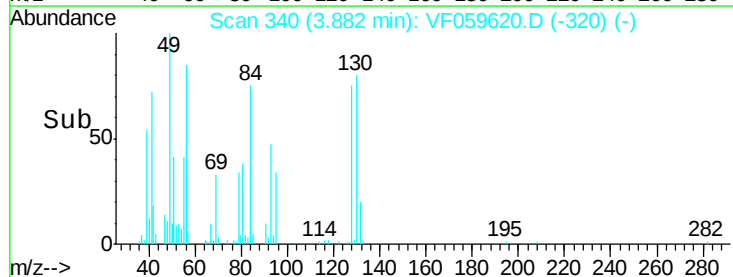
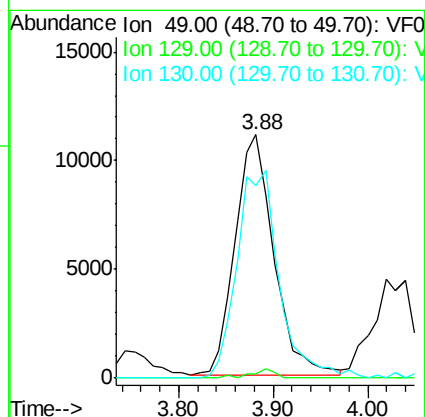
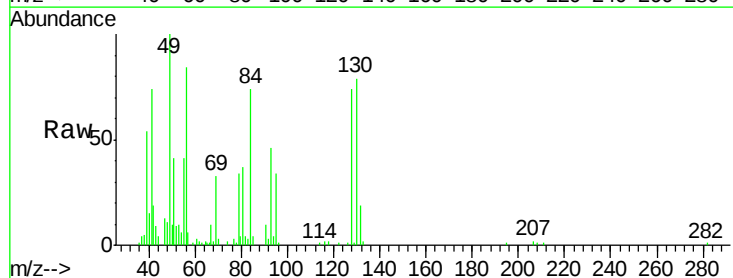
Tgt Ion: 96 Resp: 48553
Ion Ratio Lower Upper
96 100
61 167.0 0.0 335.2
98 72.0 0.0 126.6

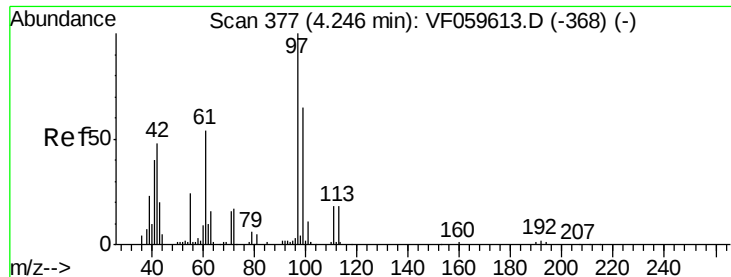


#28

Bromochloromethane
Concen: 18.486 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 49 Resp: 31309
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.6
130 79.2 67.1 100.7





#29

Tetrahydrofuran

Concen: 89.531 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

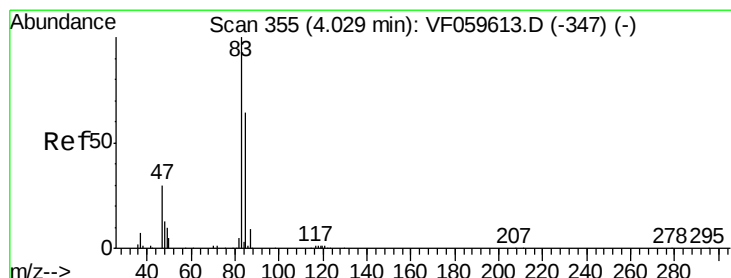
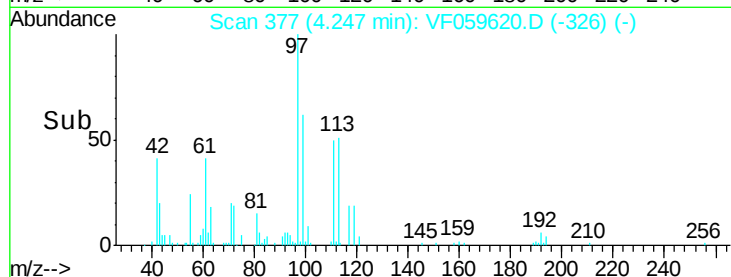
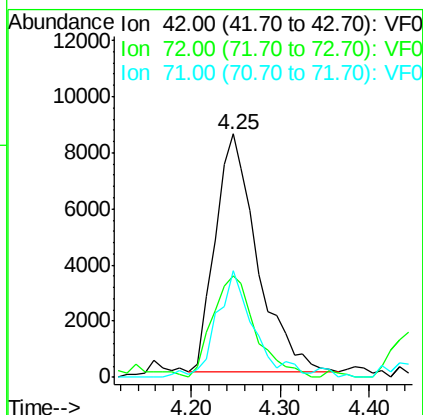
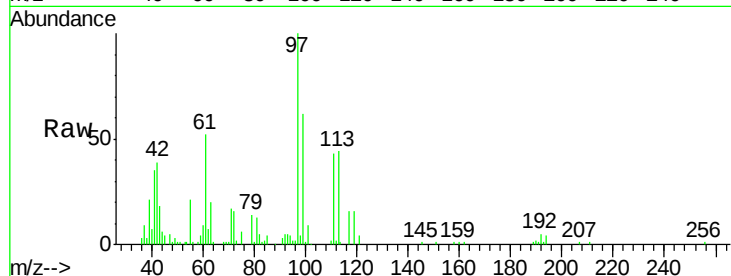
Tgt Ion: 42 Resp: 27888

Ion Ratio Lower Upper

42 100

72 43.5 27.9 41.9#

71 40.0 29.3 43.9



#30

Chloroform

Concen: 19.808 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF059620.D

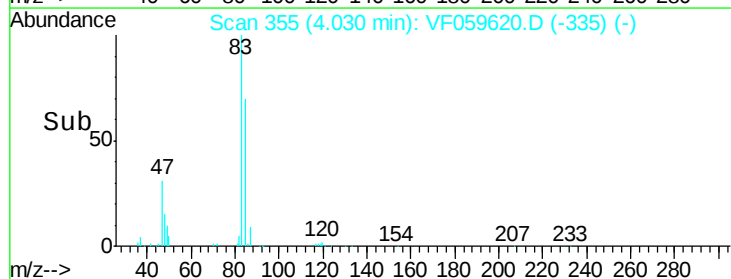
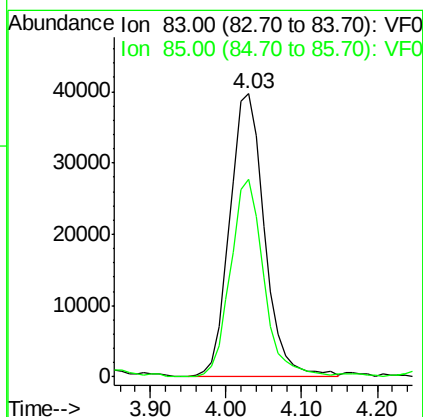
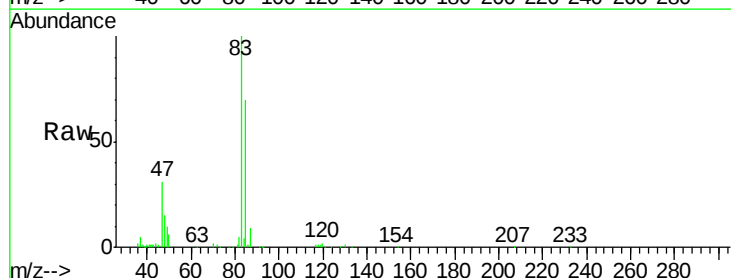
Acq: 23 Jul 2018 18:08

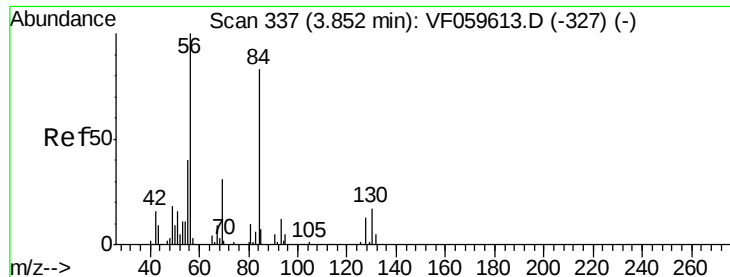
Tgt Ion: 83 Resp: 125450

Ion Ratio Lower Upper

83 100

85 70.0 51.1 76.7

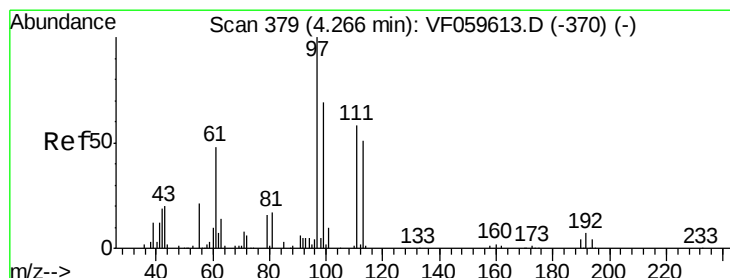
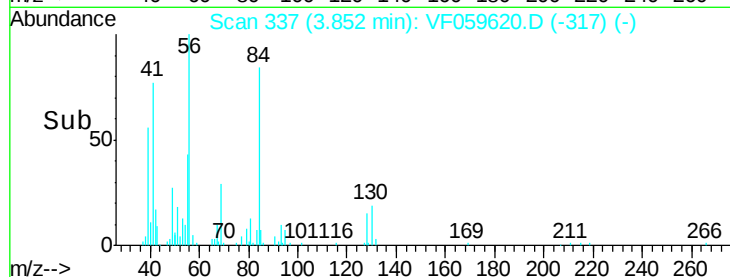
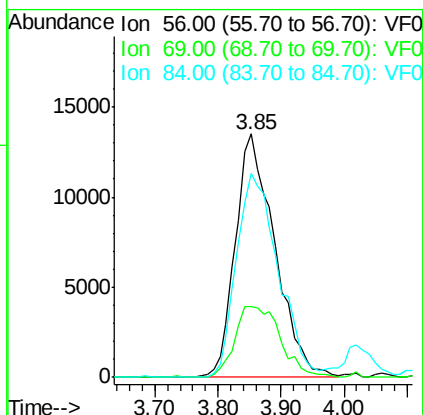
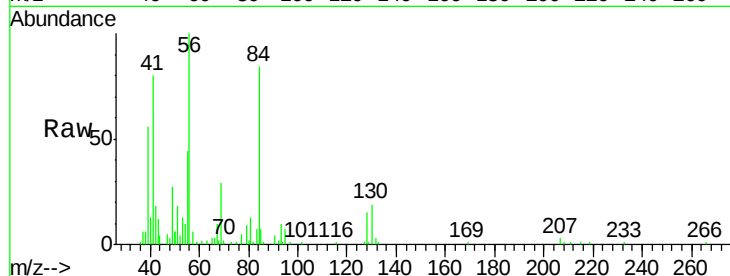




#31
Cyclohexane
Concen: 22.861 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

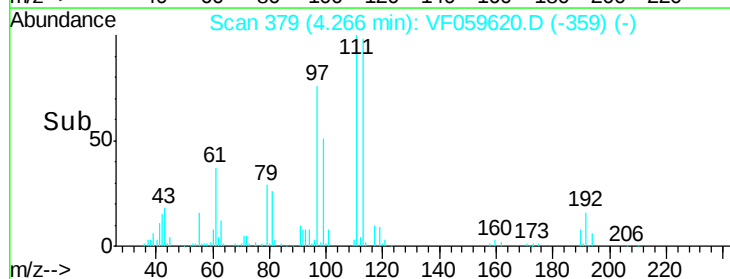
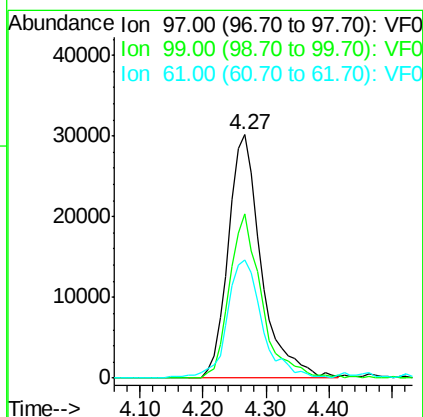
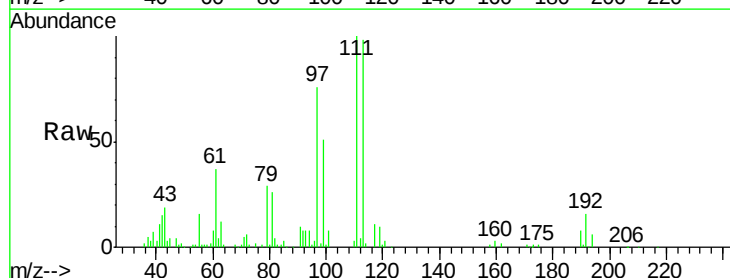
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

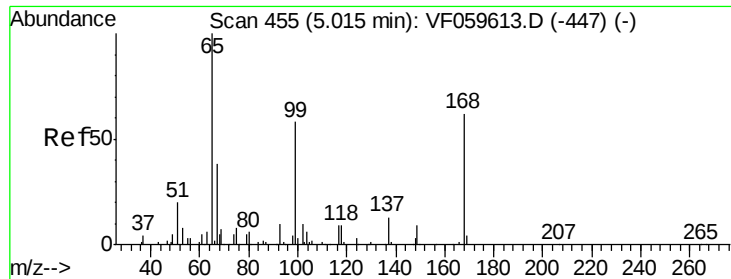
Tgt Ion: 56 Resp: 58605
Ion Ratio Lower Upper
56 100
69 28.9 24.6 37.0
84 83.7 66.6 99.8



#32
1,1,1-Trichloroethane
Concen: 19.064 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 97 Resp: 109336
Ion Ratio Lower Upper
97 100
99 67.2 55.4 83.2
61 48.5 39.3 58.9





#33

1,2-Dichloroethane-d4

Concen: 46.752 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

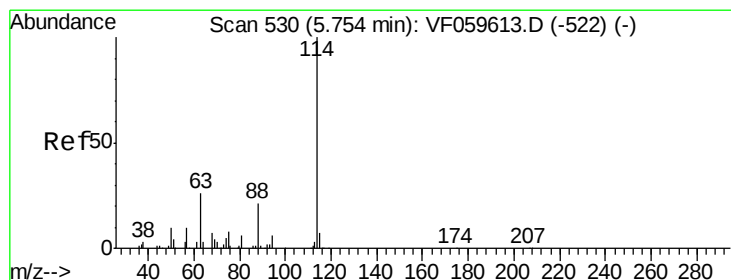
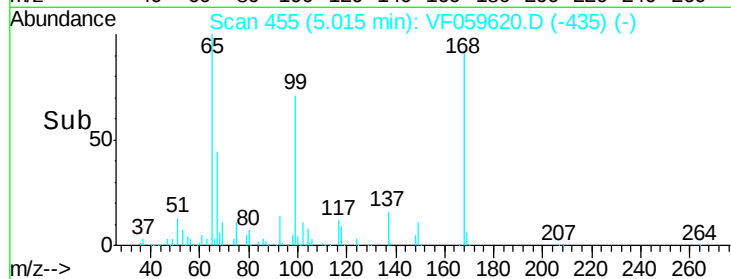
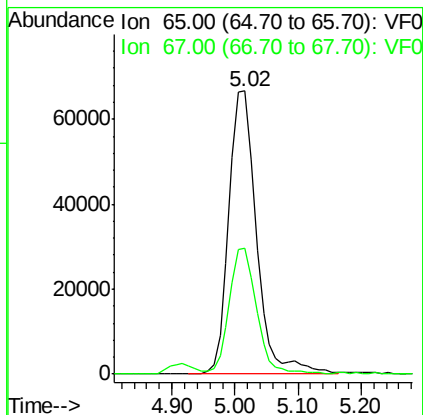
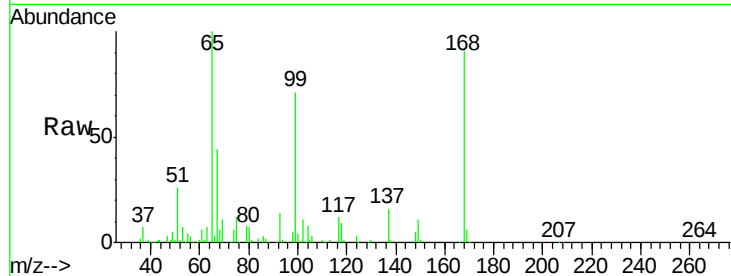
VF0723SBS01

Tgt Ion: 65 Resp: 203341

Ion Ratio Lower Upper

65 100

67 44.5 0.0 83.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

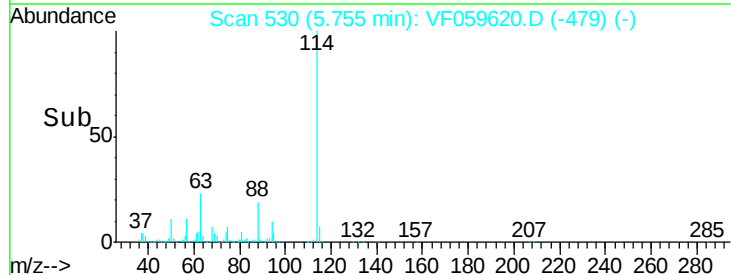
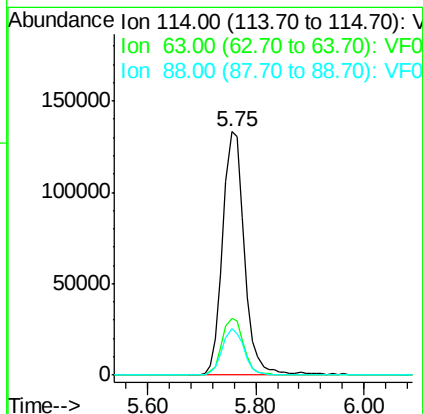
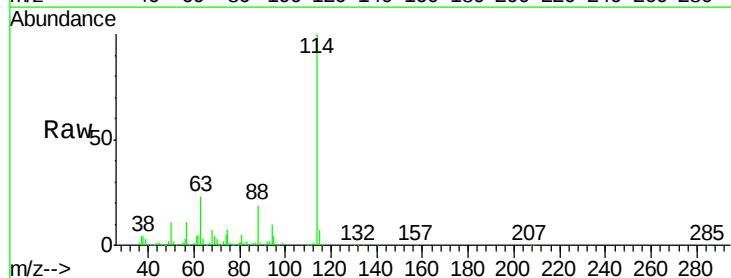
Tgt Ion: 114 Resp: 371749

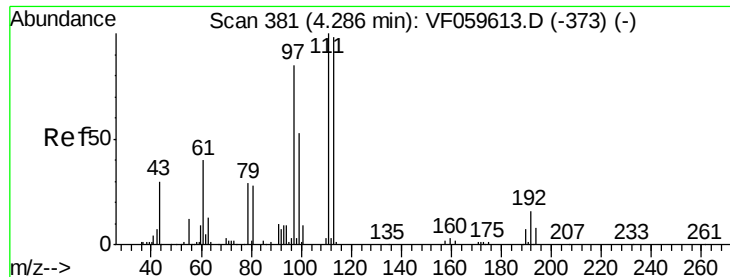
Ion Ratio Lower Upper

114 100

63 23.1 0.0 51.8

88 19.3 0.0 42.8

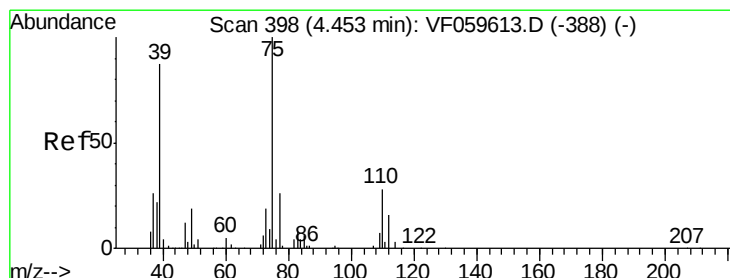
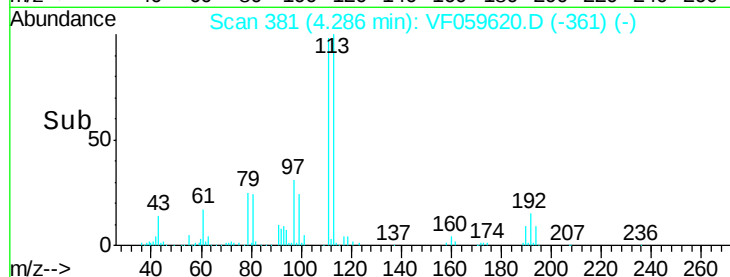
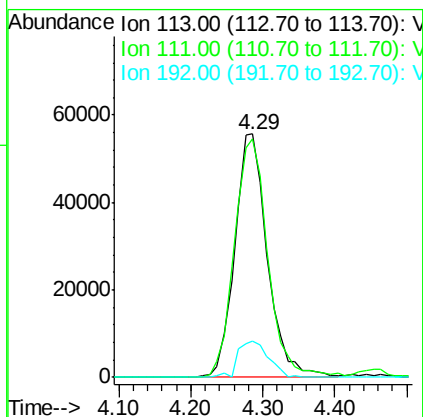
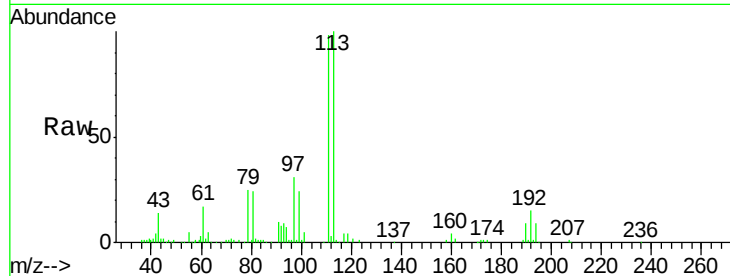




#35
 Dibromofluoromethane
 Concen: 51.212 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

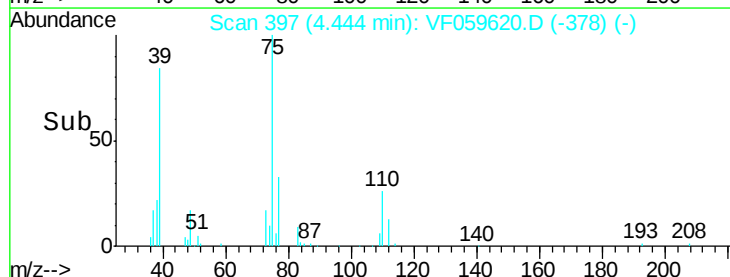
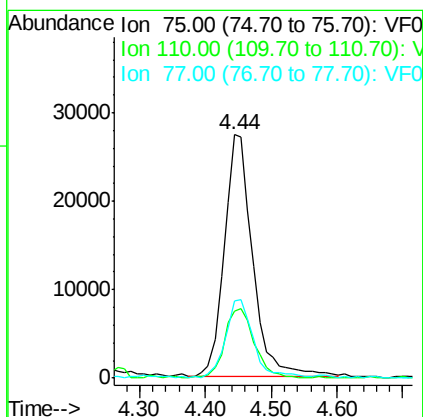
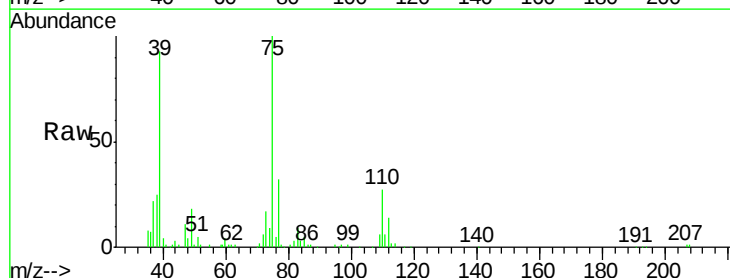
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

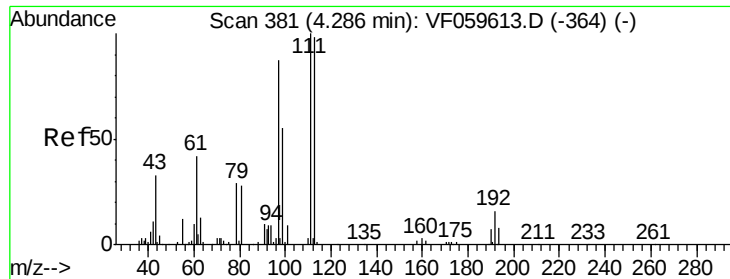
Tgt Ion: 113 Resp: 175653
 Ion Ratio Lower Upper
 113 100
 111 98.0 81.5 122.3
 192 15.1 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 21.811 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion: 75 Resp: 82118
 Ion Ratio Lower Upper
 75 100
 110 27.4 14.2 42.6
 77 32.0 20.3 30.5#

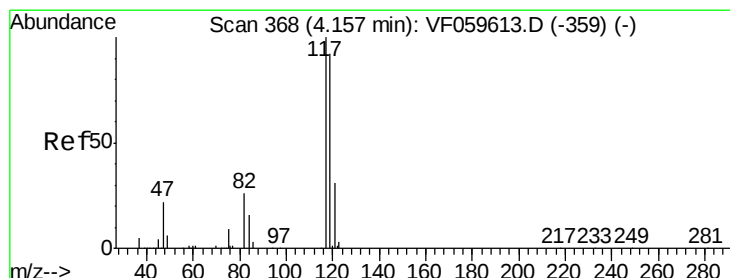
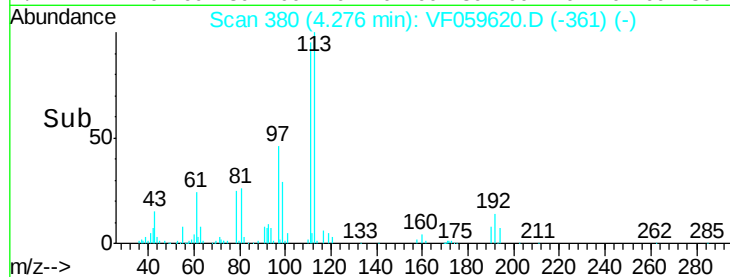
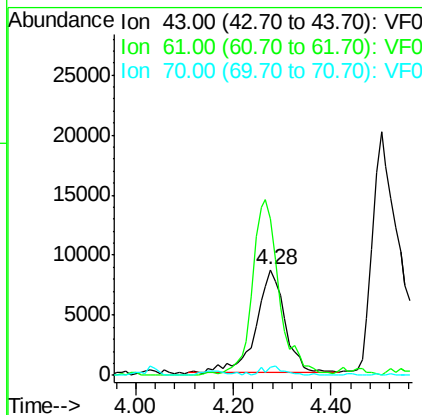
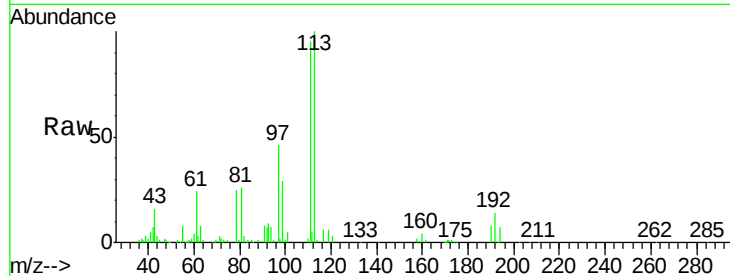




#37
Ethyl Acetate
Concen: 23.571 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

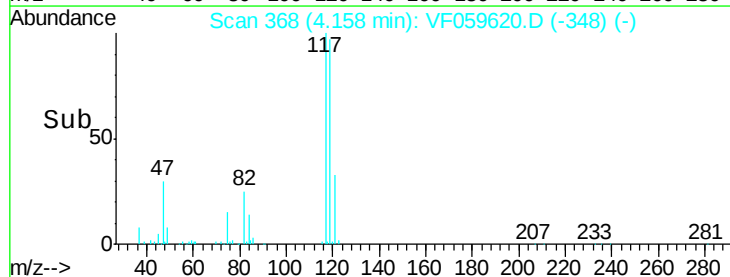
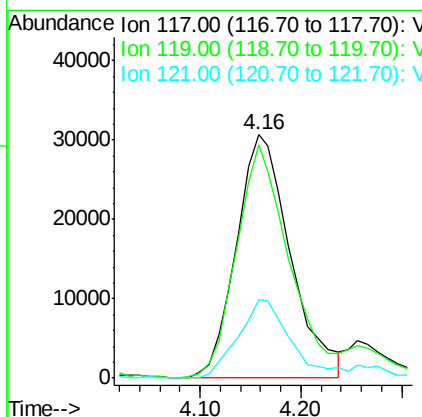
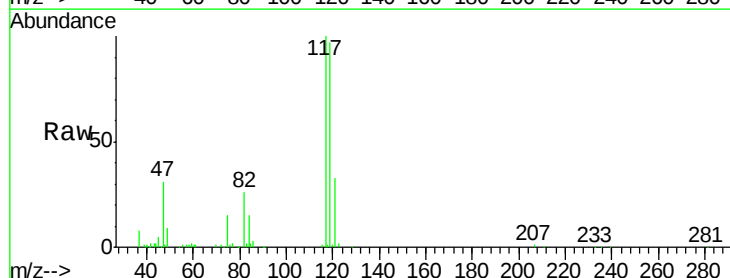
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

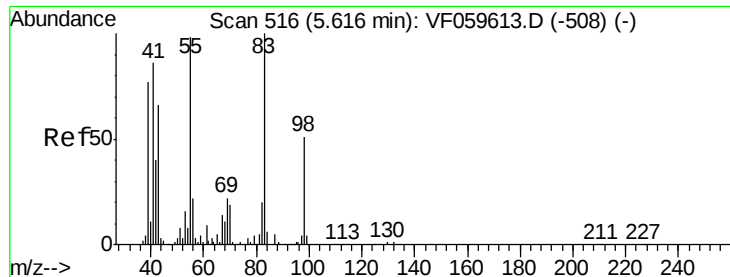
Tgt Ion: 43 Resp: 35675
Ion Ratio Lower Upper
43 100
61 148.6 101.9 152.9
70 7.8 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 19.685 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 117 Resp: 114355
Ion Ratio Lower Upper
117 100
119 95.9 74.2 111.4
121 32.4 24.7 37.1

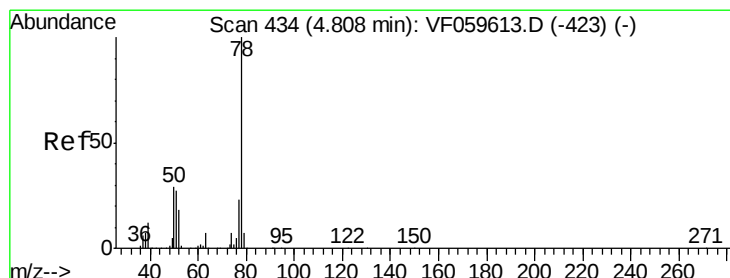
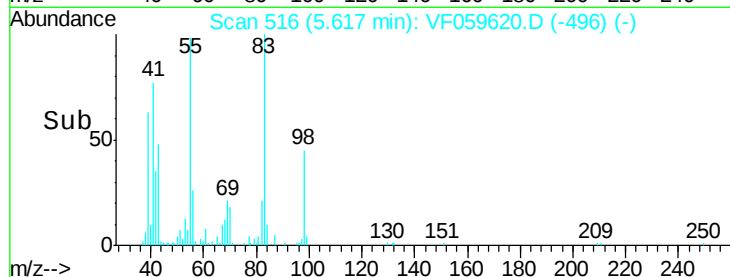
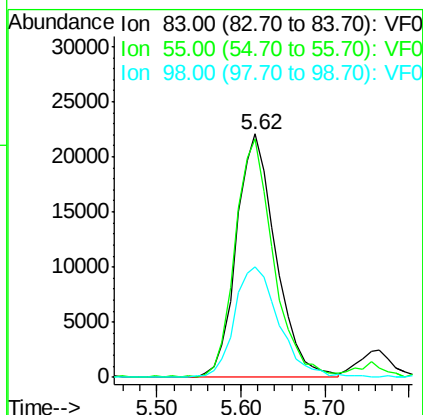
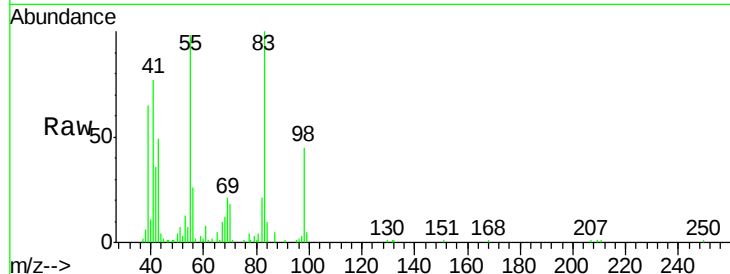




#39
Methylcyclohexane
Concen: 23.588 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

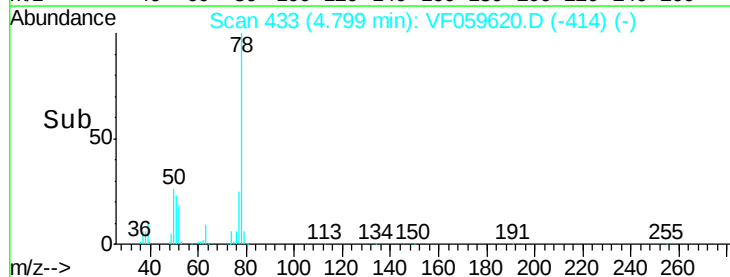
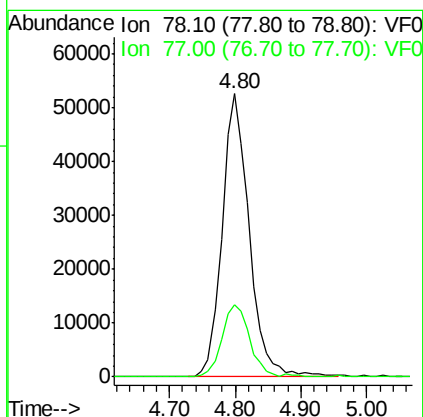
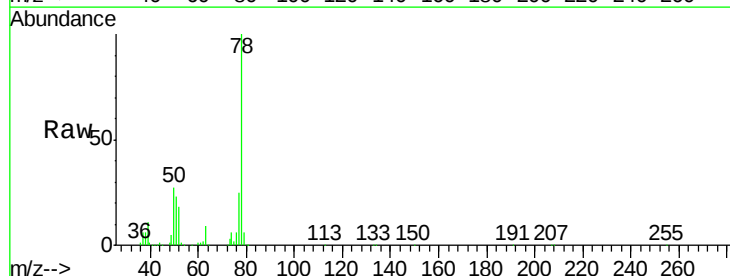
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

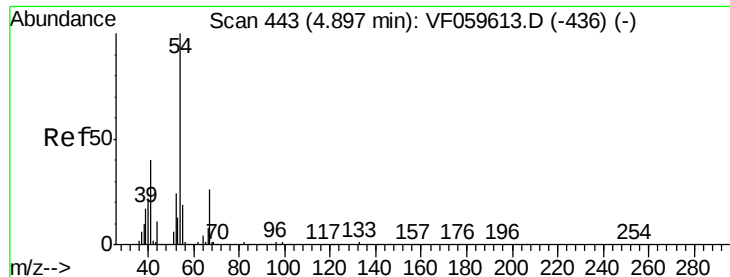
Tgt Ion: 83 Resp: 72044
Ion Ratio Lower Upper
83 100
55 98.1 78.5 117.7
98 45.2 41.1 61.7



#40
Benzene
Concen: 21.970 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 78 Resp: 151154
Ion Ratio Lower Upper
78 100
77 25.3 18.4 27.6





#41

Methacrylonitrile

Concen: 19.998 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.02 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

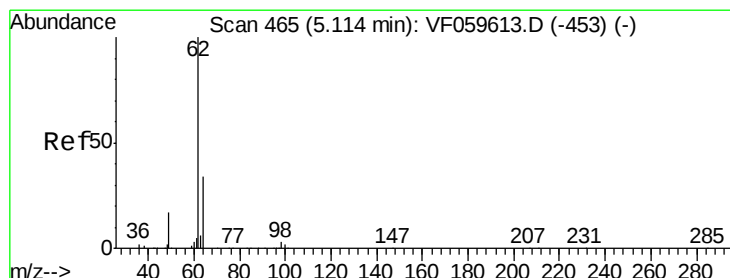
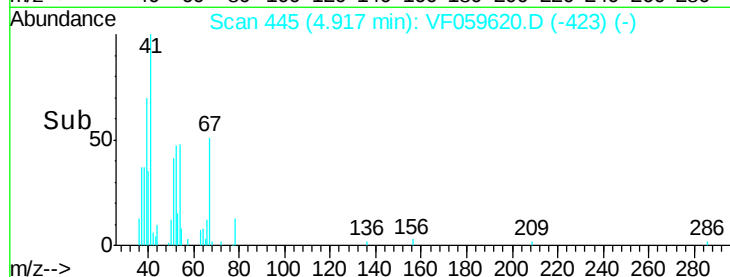
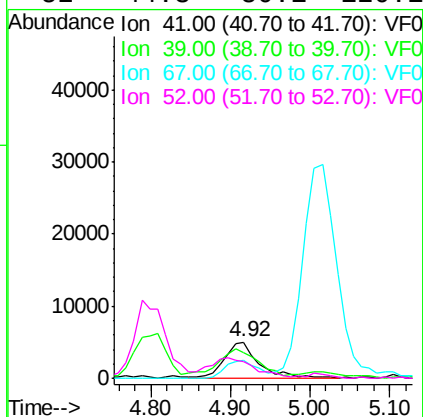
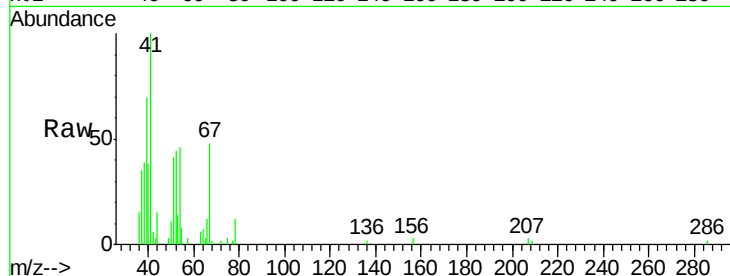
Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tgt Ion:	41	Resp:	15517
Ion	Ratio	Lower	Upper
41	100		
39	69.7	58.2	87.4
67	47.9	51.0	76.6#
52	44.3	80.1	120.1#



#42

1,2-Dichloroethane

Concen: 19.182 ug/l

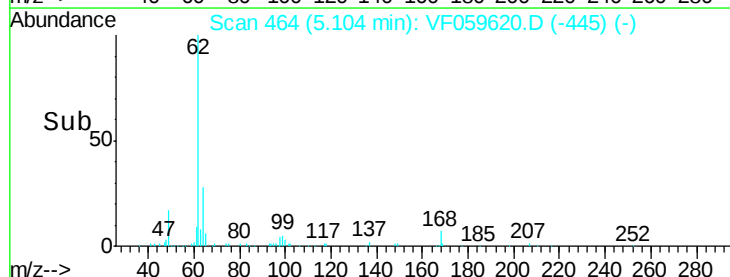
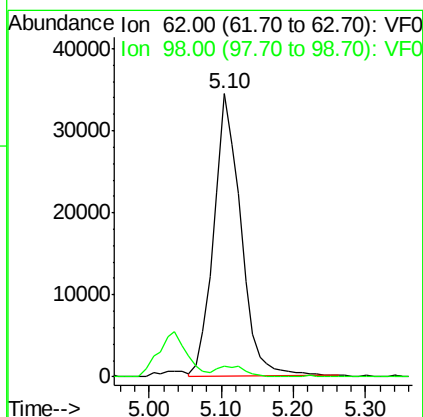
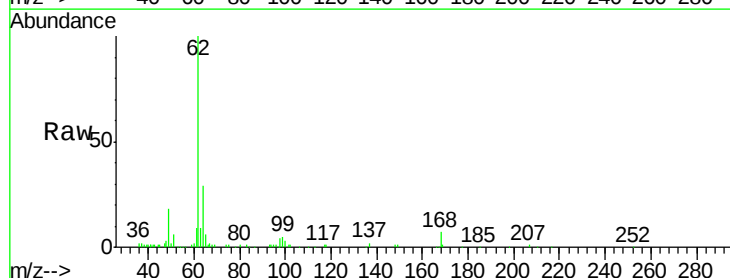
RT: 5.10 min Scan# 464

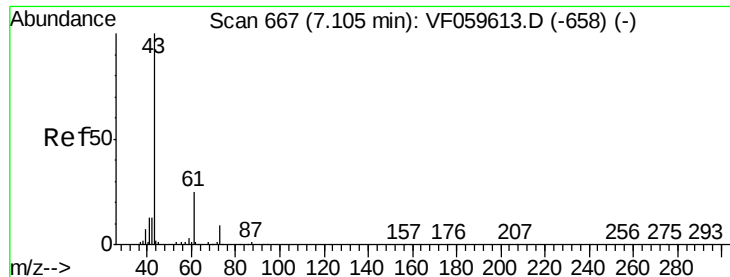
Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion:	62	Resp:	89101
Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	8.4





#43

Isopropyl Acetate

Concen: 21.190 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

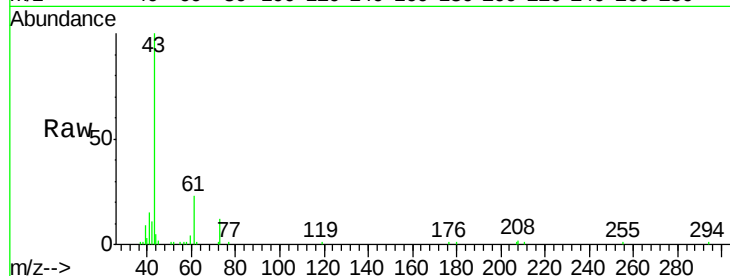
Tgt Ion: 43 Resp: 40984

Ion Ratio Lower Upper

43 100

61 23.2 20.1 30.1

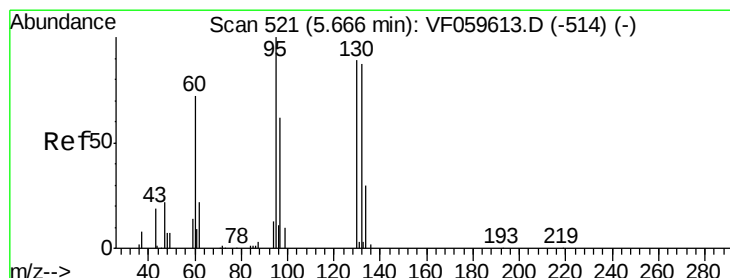
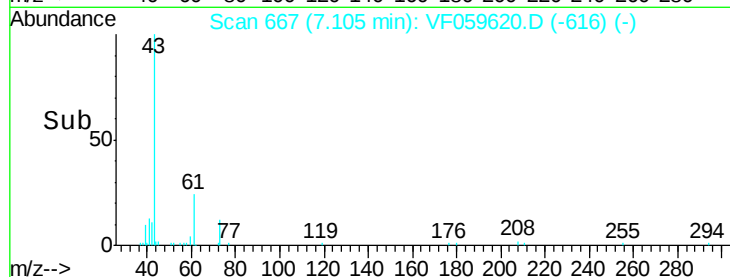
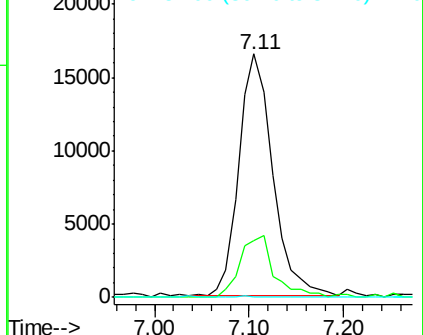
87 0.0 0.5 0.7#



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: 21.796 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF059620.D

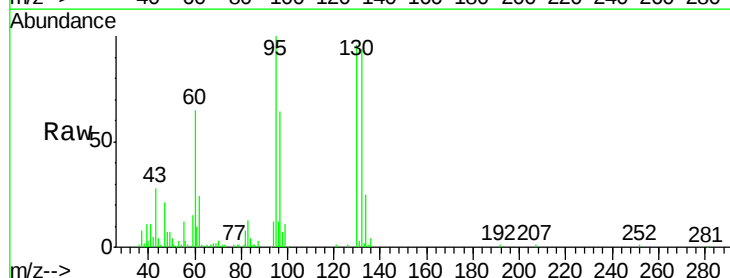
Acq: 23 Jul 2018 18:08

Tgt Ion: 130 Resp: 57802

Ion Ratio Lower Upper

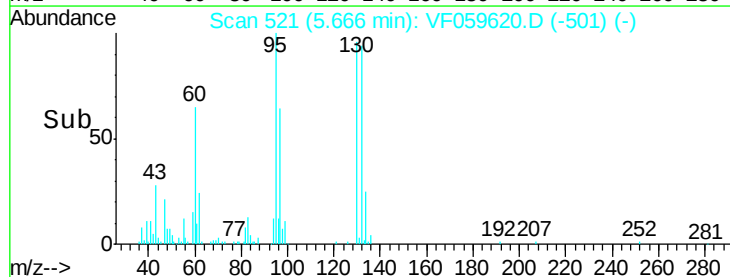
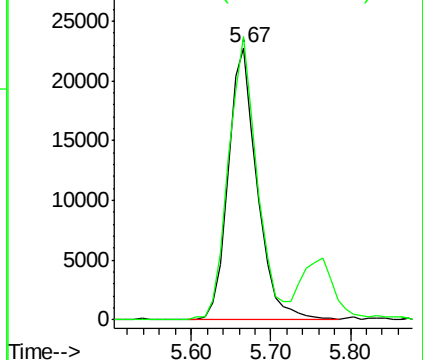
130 100

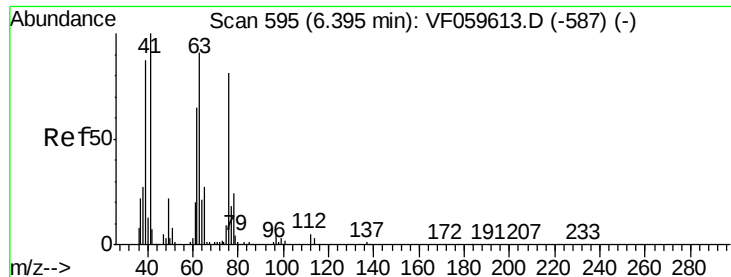
95 104.0 0.0 226.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.355 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

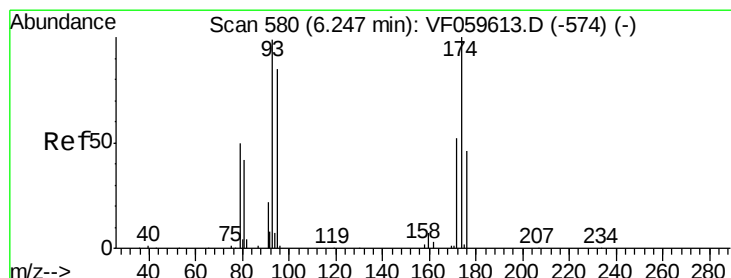
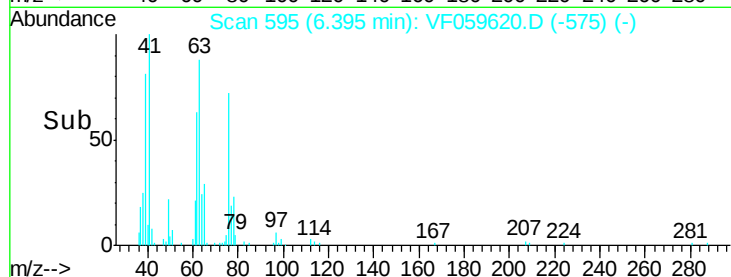
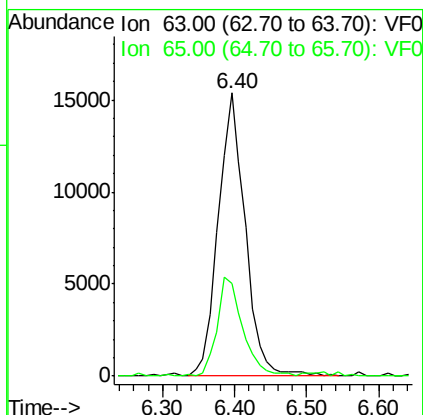
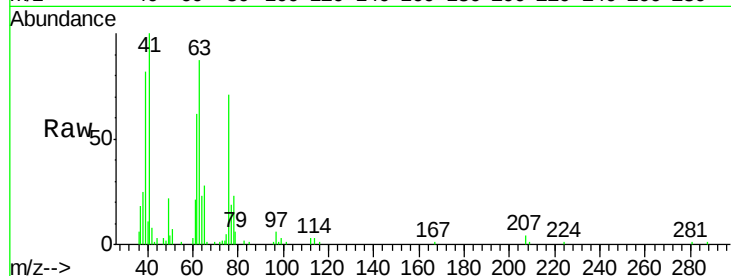
VF0723SBS01

Tgt Ion: 63 Resp: 39777

Ion Ratio Lower Upper

63 100

65 32.7 23.4 35.0



#46

Dibromomethane

Concen: 21.063 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

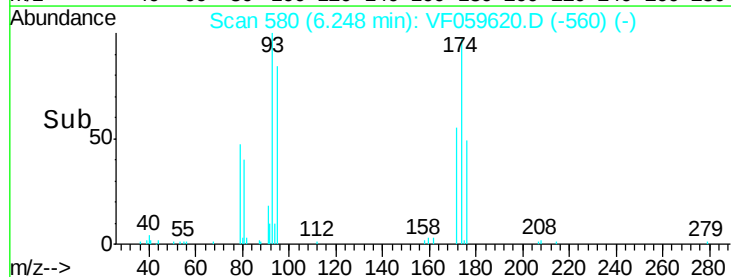
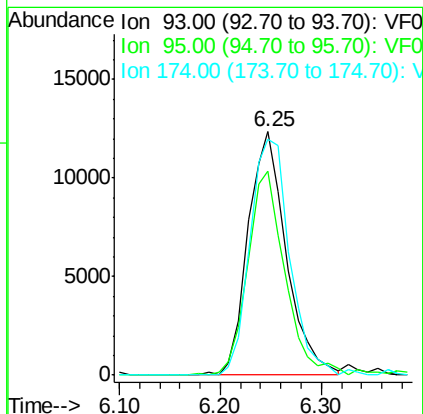
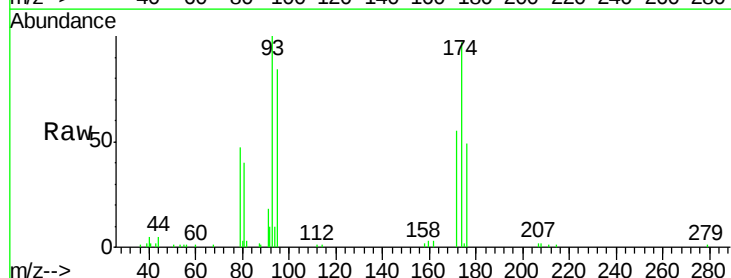
Tgt Ion: 93 Resp: 32497

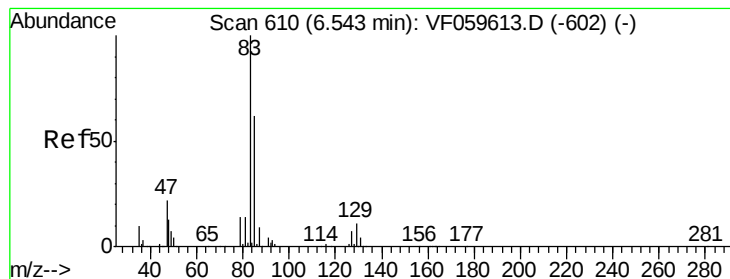
Ion Ratio Lower Upper

93 100

95 83.7 68.6 102.8

174 96.8 80.8 121.2





#47

Bromodichloromethane

Concen: 19.805 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

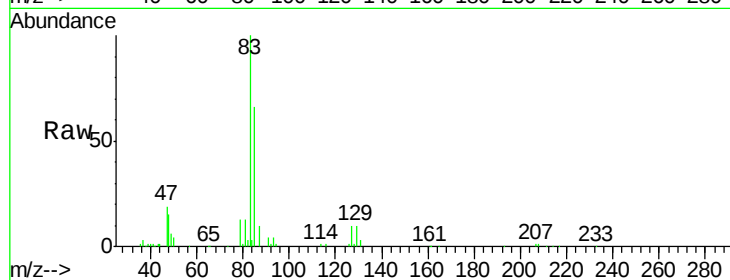
Tgt Ion: 83 Resp: 92732

Ion Ratio Lower Upper

83 100

85 66.1 49.4 74.0

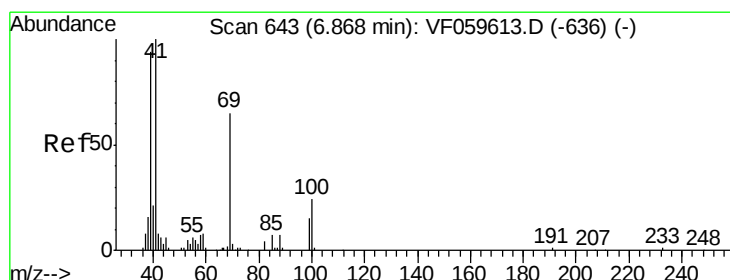
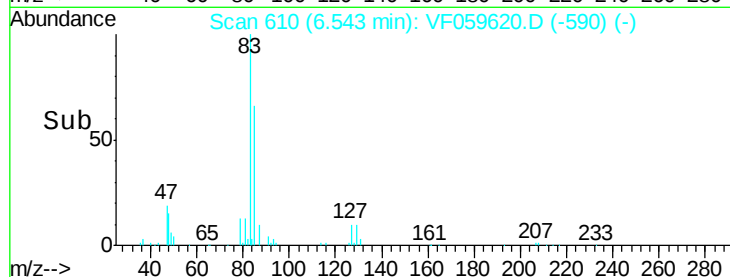
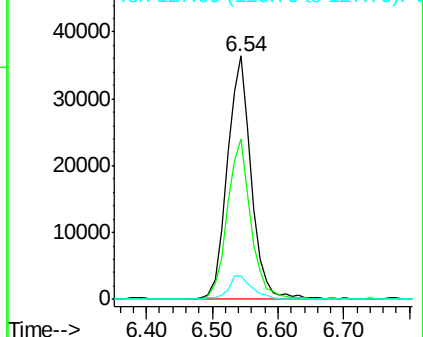
127 9.8 5.9 8.9#



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: 19.266 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

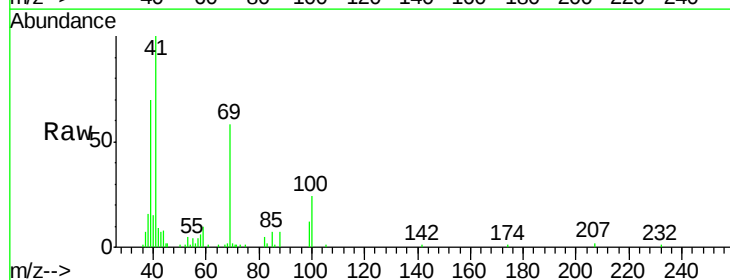
Tgt Ion: 41 Resp: 27870

Ion Ratio Lower Upper

41 100

69 58.0 51.6 77.4

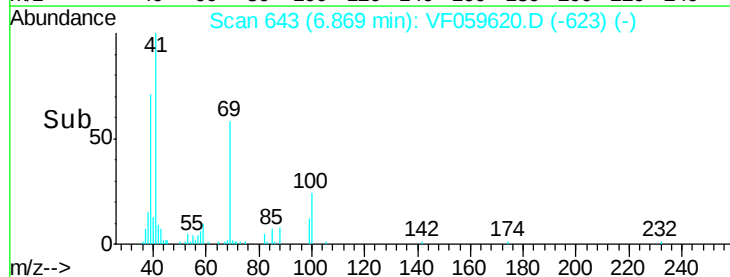
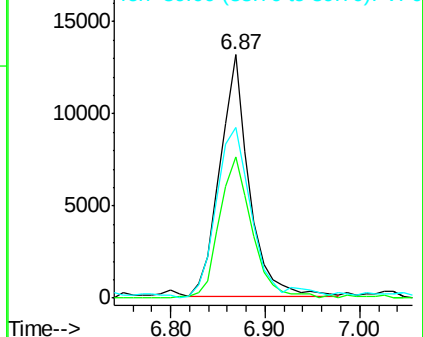
39 70.3 76.3 114.5#

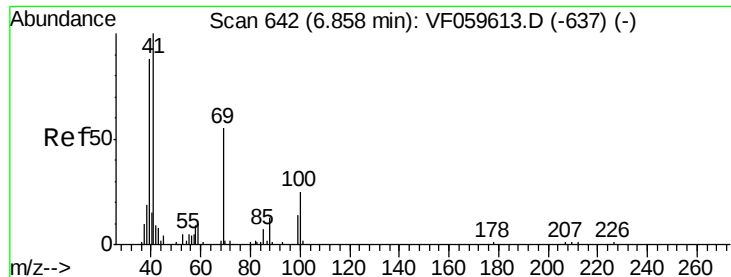


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

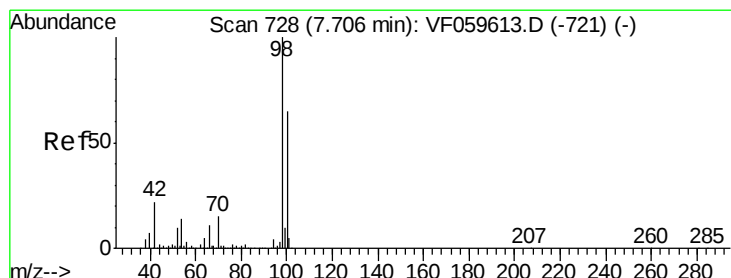
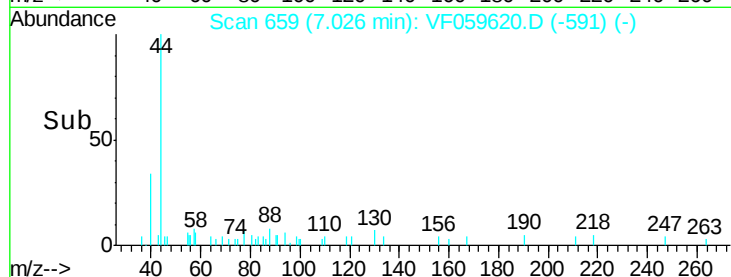
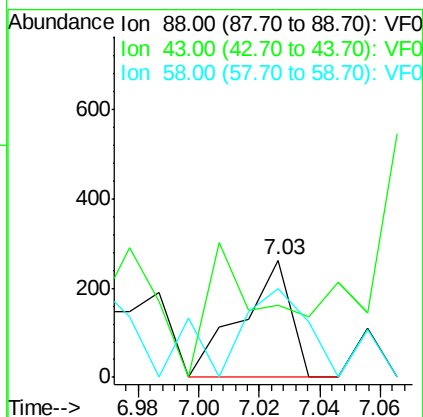
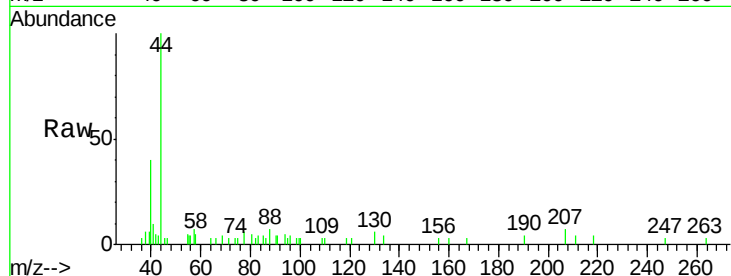




#49
1,4-Dioxane
Concen: 9.455 ug/l
RT: 7.03 min Scan# 659
Delta R.T. 0.17 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

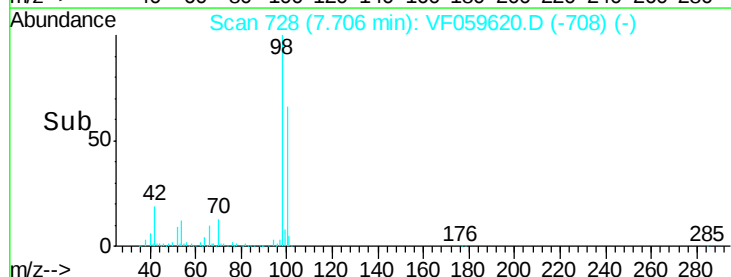
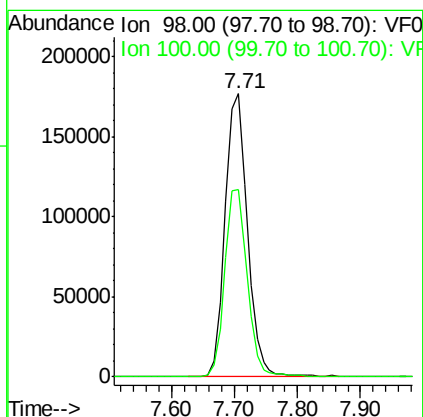
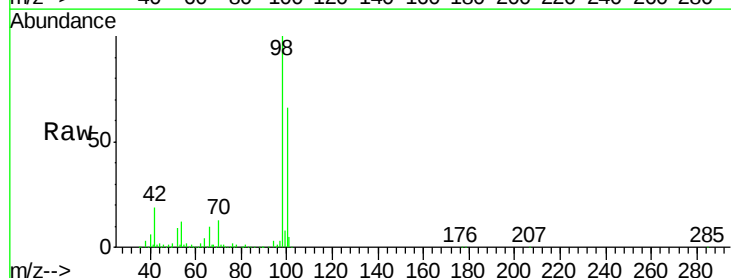
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

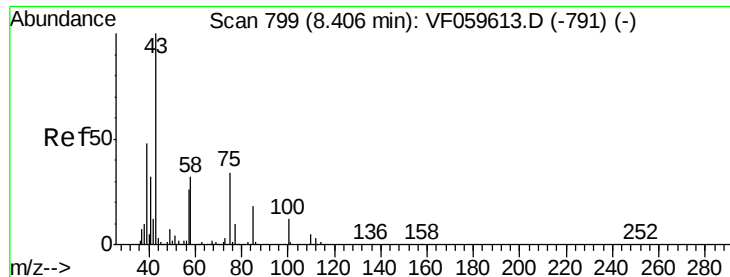
Tgt Ion: 88 Resp: 299
Ion Ratio Lower Upper
88 100
43 62.2 54.2 81.4
58 76.3 54.3 81.5



#50
Toluene-d8
Concen: 50.963 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 98 Resp: 437661
Ion Ratio Lower Upper
98 100
100 66.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 102.215 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

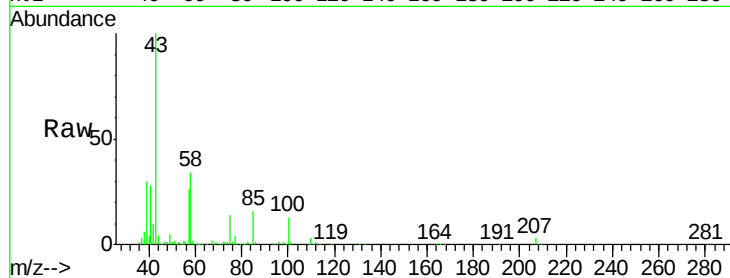
VF0723SBS01

Tgt Ion: 43 Resp: 144028

Ion Ratio Lower Upper

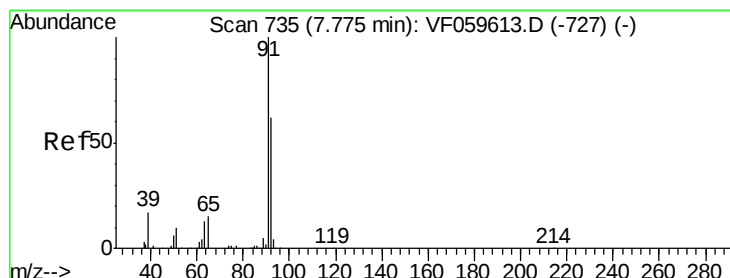
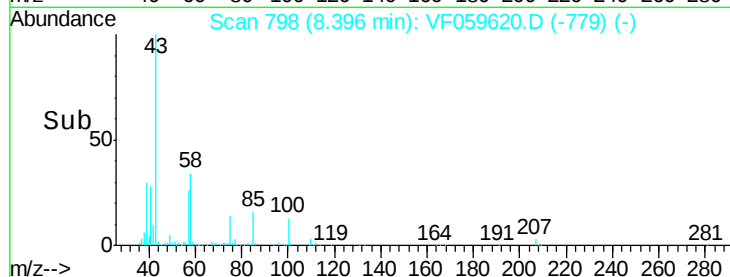
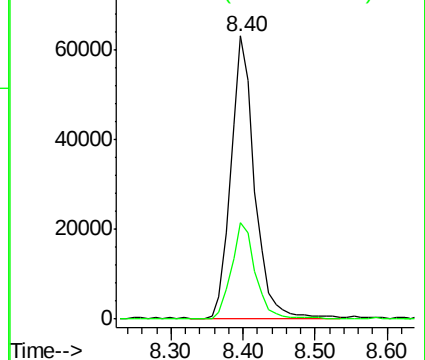
43 100

58 34.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.607 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059620.D

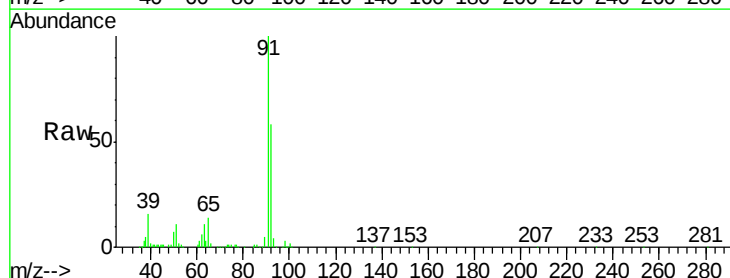
Acq: 23 Jul 2018 18:08

Tgt Ion: 92 Resp: 113178

Ion Ratio Lower Upper

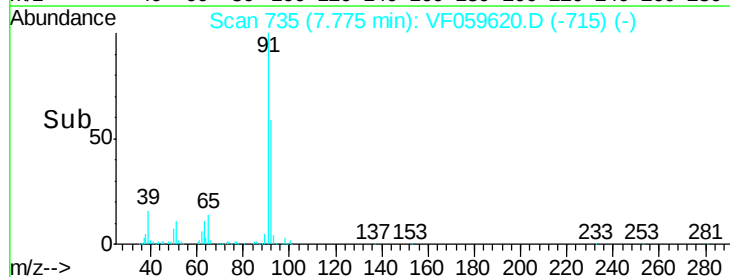
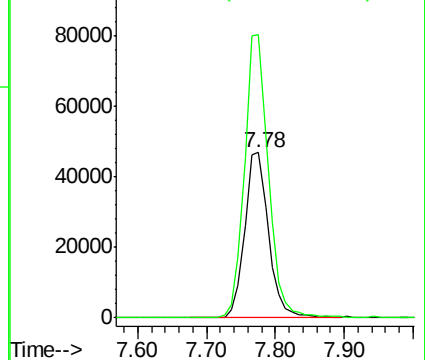
92 100

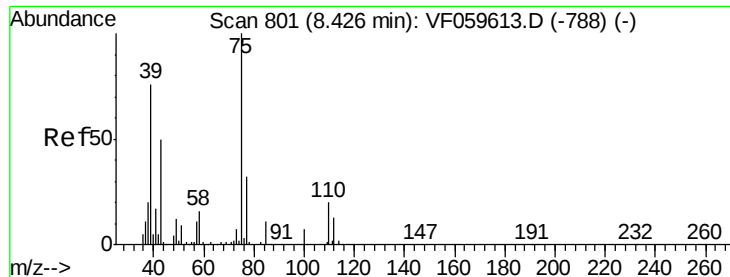
91 171.0 129.8 194.8



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: 19.475 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

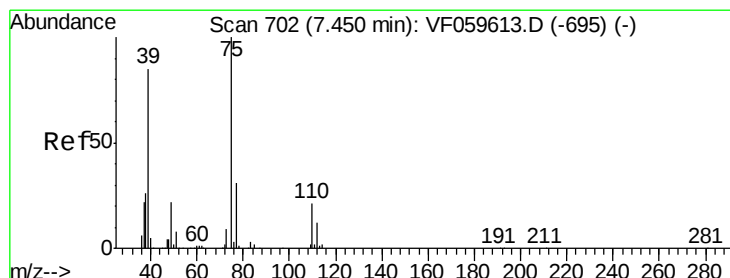
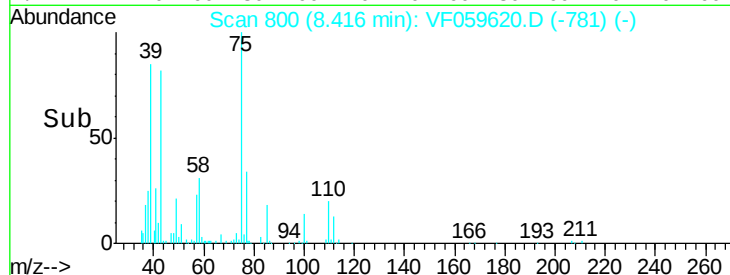
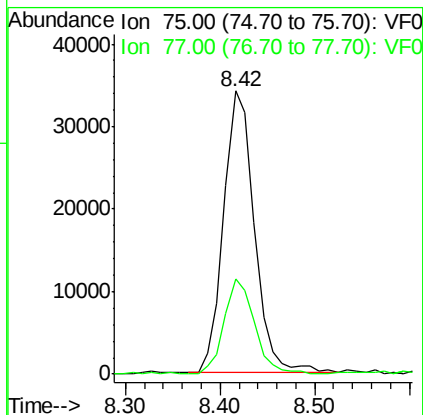
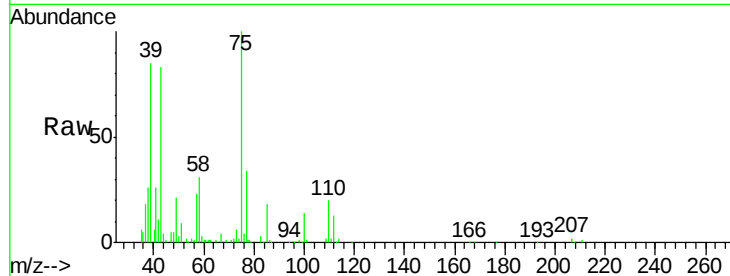
VF0723SBS01

Tgt Ion: 75 Resp: 77093

Ion Ratio Lower Upper

75 100

77 33.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 20.378 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

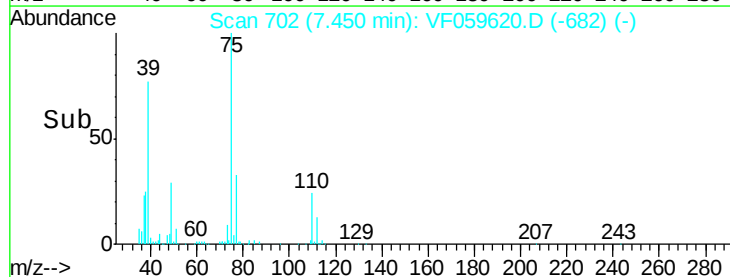
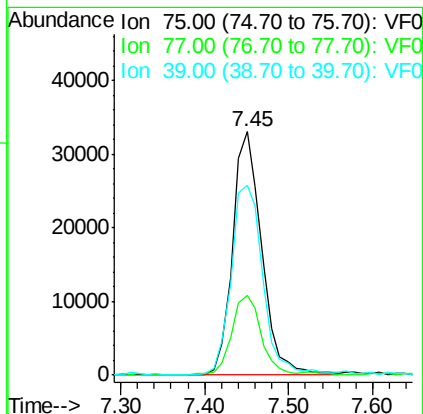
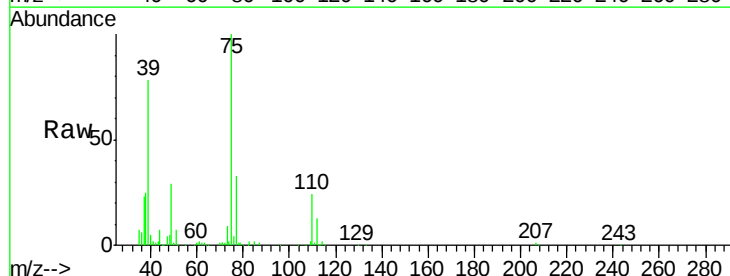
Tgt Ion: 75 Resp: 79960

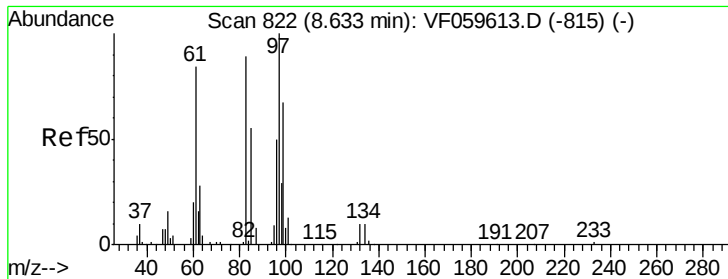
Ion Ratio Lower Upper

75 100

77 32.7 24.6 37.0

39 78.0 67.8 101.6





#55

1,1,2-Trichloroethane

Concen: 19.933 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

Tgt Ion: 97 Resp: 35725

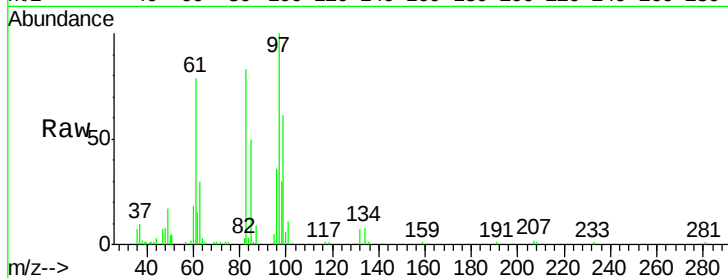
Ion Ratio Lower Upper

97 100

83 83.1 71.8 107.6

85 49.5 43.9 65.9

99 60.7 53.5 80.3

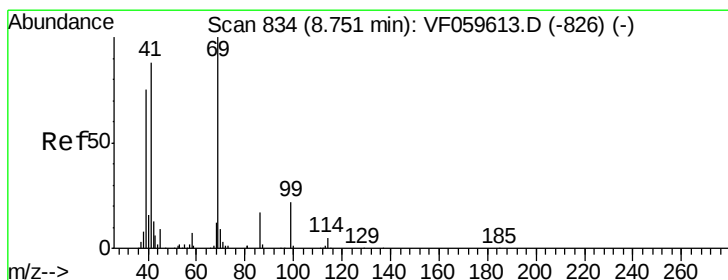
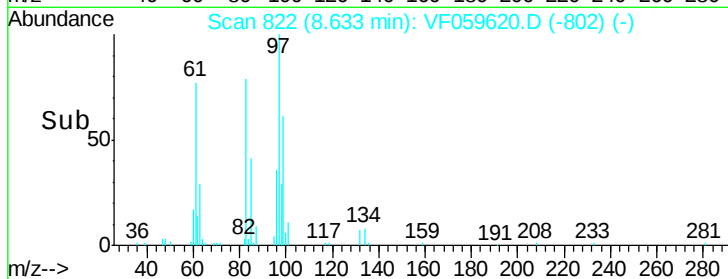
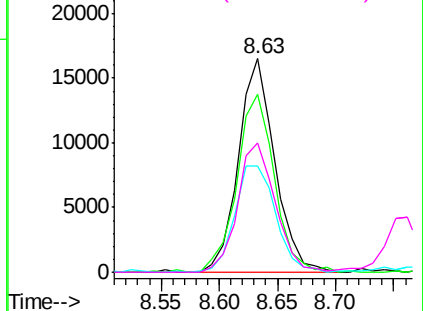


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.812 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

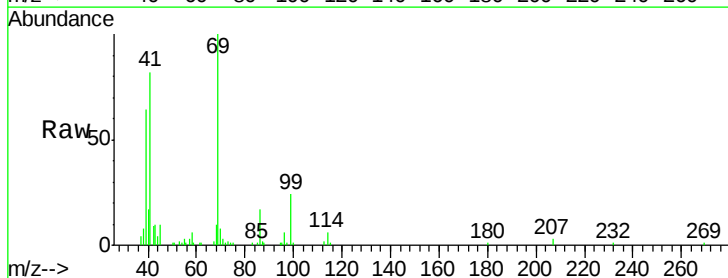
Tgt Ion: 69 Resp: 39531

Ion Ratio Lower Upper

69 100

41 81.9 70.8 106.2

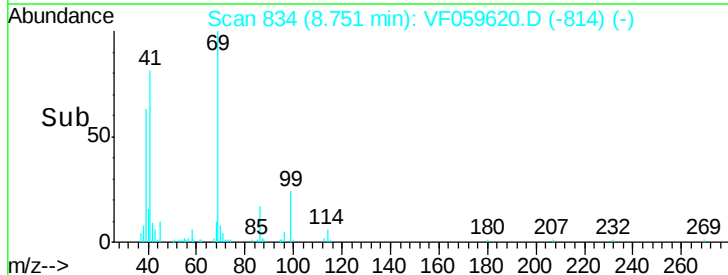
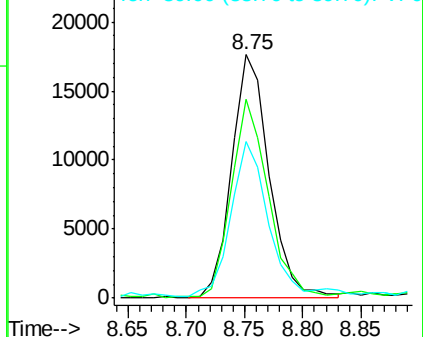
39 64.4 60.7 91.1

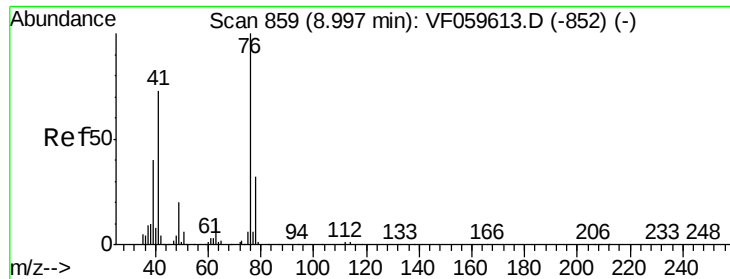


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.642 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

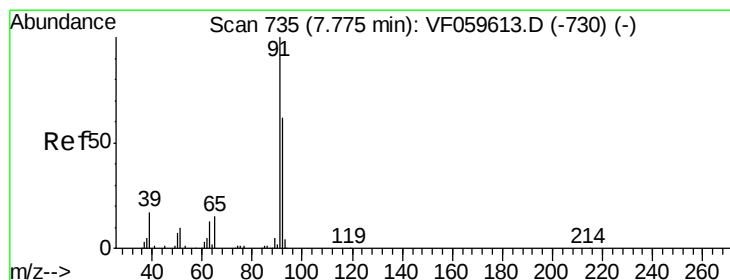
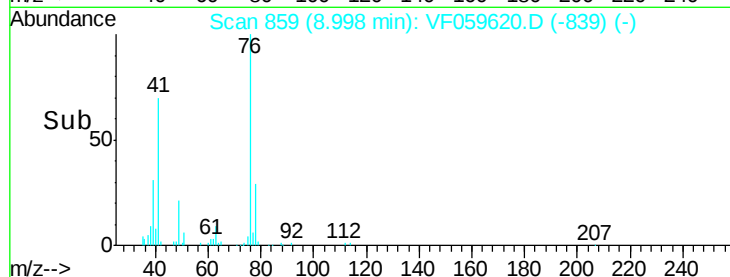
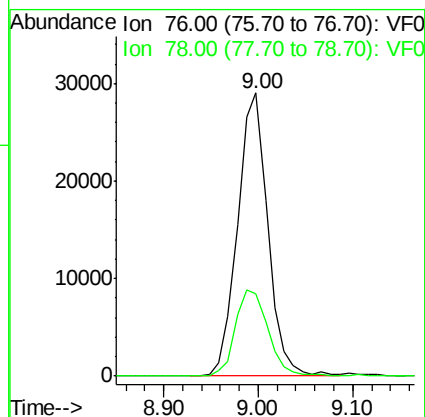
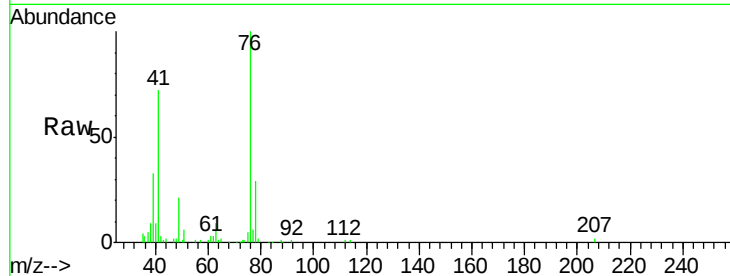
VF0723SBS01

Tgt Ion: 76 Resp: 64374

Ion Ratio Lower Upper

76 100

78 29.0 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 105.038 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059620.D

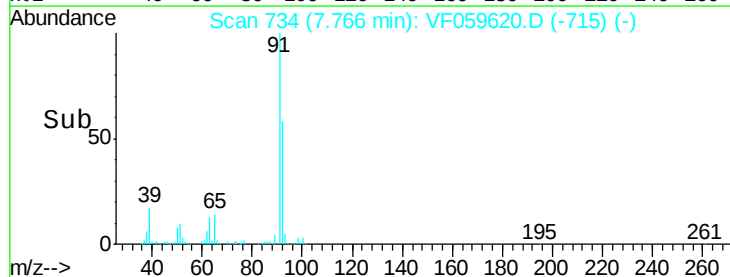
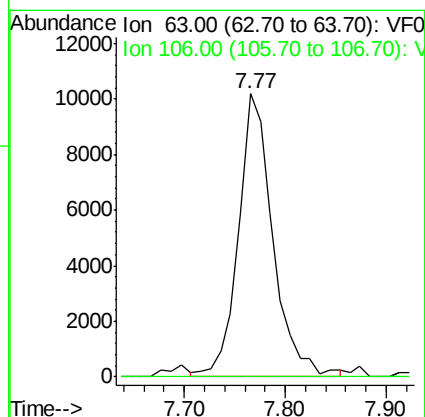
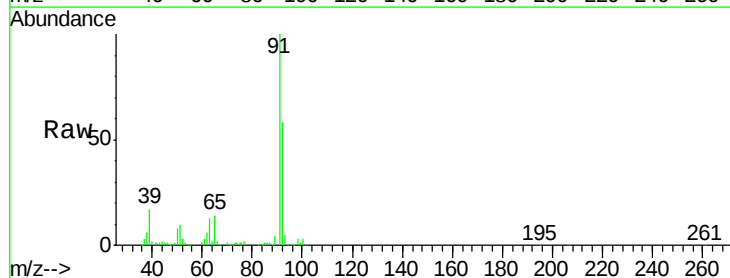
Acq: 23 Jul 2018 18:08

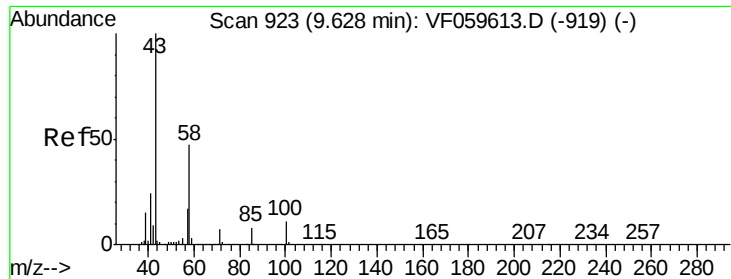
Tgt Ion: 63 Resp: 24249

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

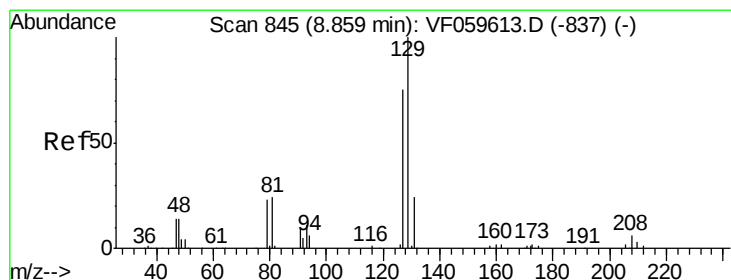
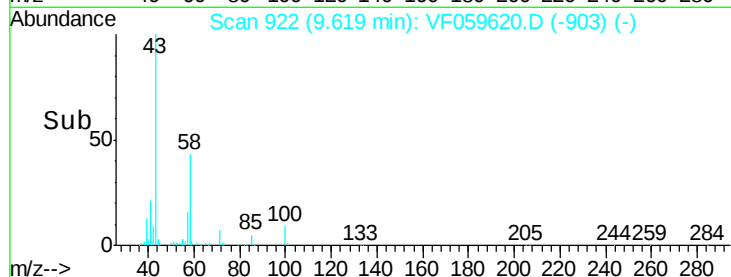
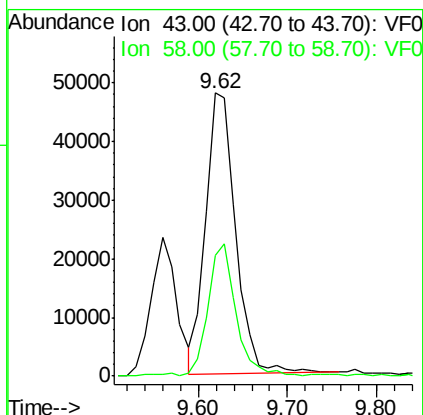
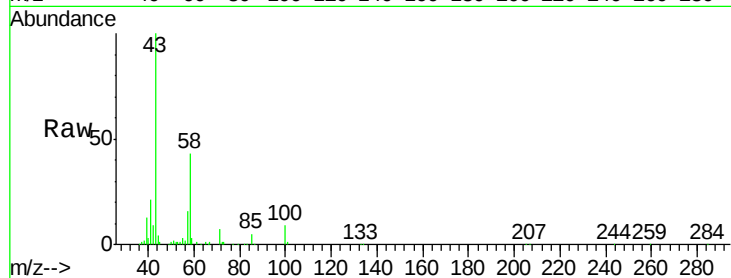




#59
2-Hexanone
Concen: 98.133 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

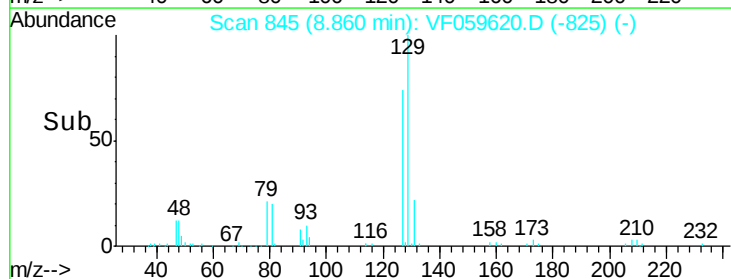
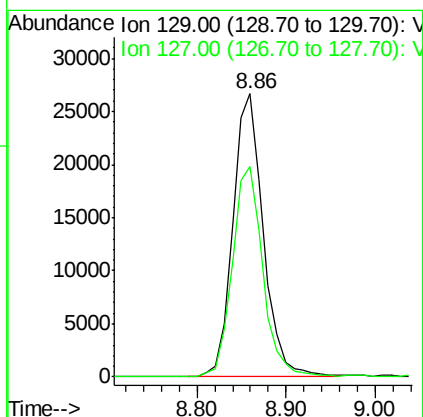
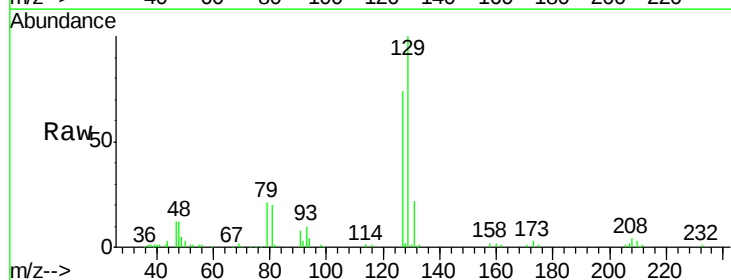
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

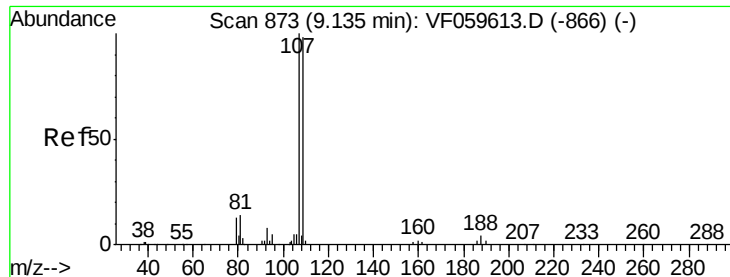
Tgt Ion: 43 Resp: 112217
Ion Ratio Lower Upper
43 100
58 42.8 21.1 63.4



#60
Dibromochloromethane
Concen: 19.885 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 129 Resp: 63465
Ion Ratio Lower Upper
129 100
127 74.3 37.5 112.7





#61

1,2-Dibromoethane

Concen: 20.696 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

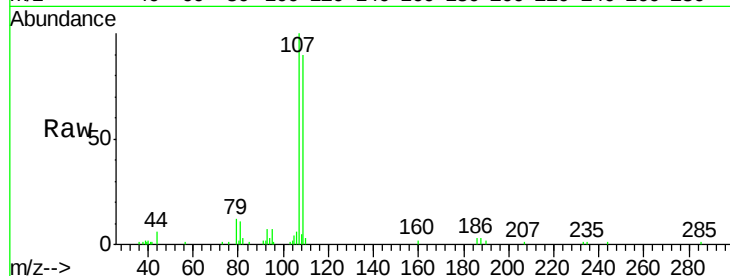
VF0723SBS01

Tgt Ion: 107 Resp: 42515

Ion Ratio Lower Upper

107 100

109 90.4 78.2 117.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

20000

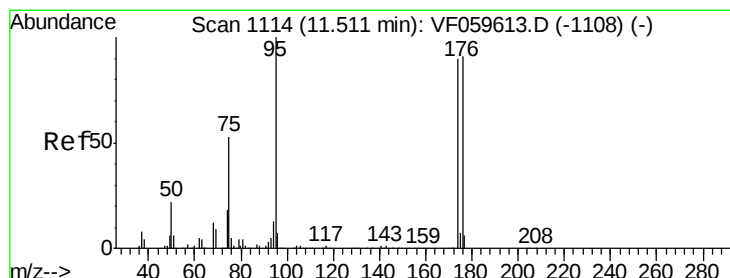
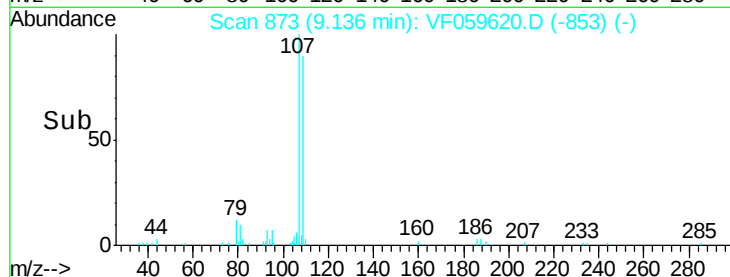
15000

10000

5000

0

Time--> 9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 47.618 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

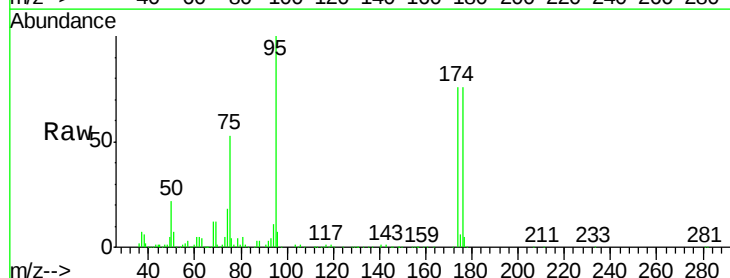
Tgt Ion: 95 Resp: 236056

Ion Ratio Lower Upper

95 100

174 75.8 0.0 180.6

176 75.5 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.50

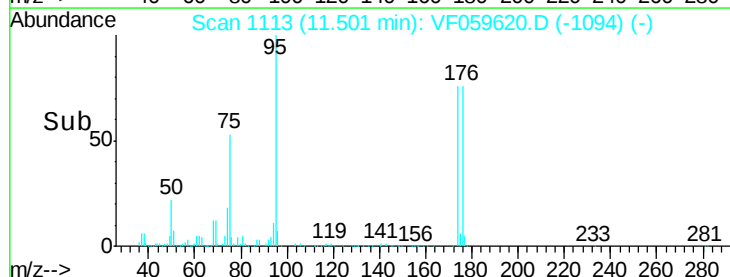
150000

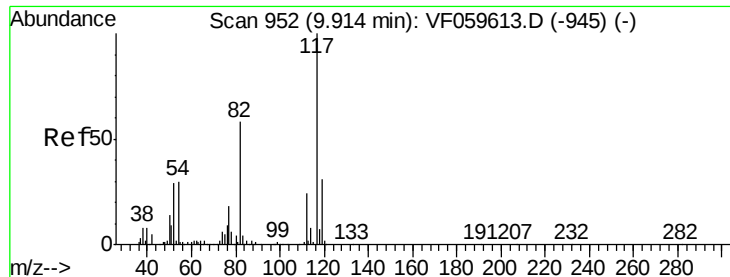
100000

50000

0

Time--> 11.40 11.50 11.60 11.70

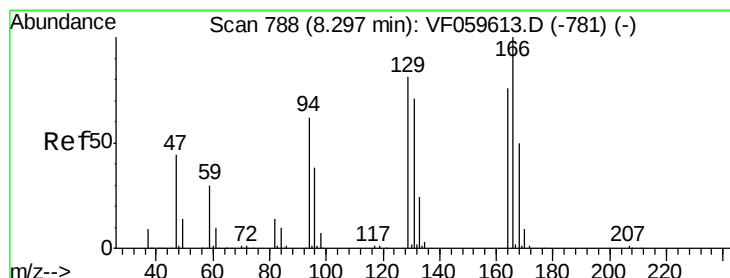
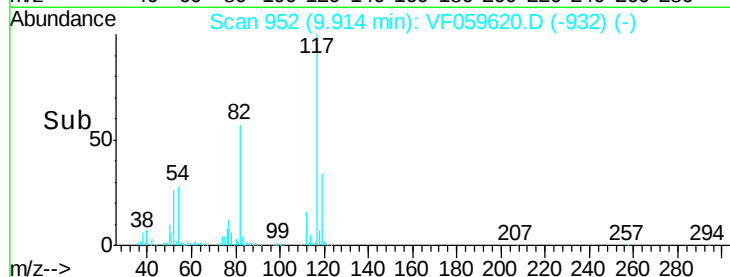
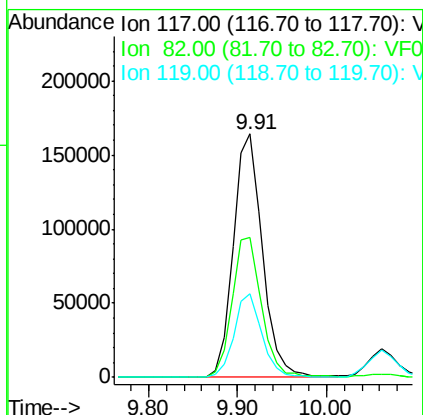
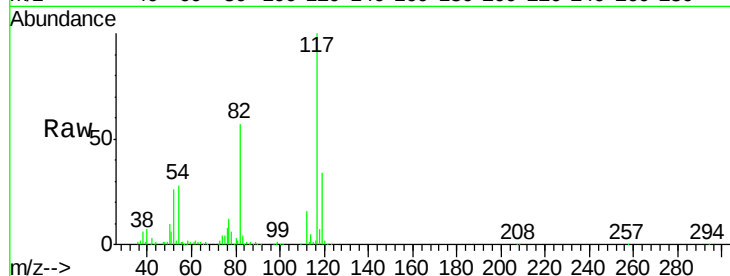




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

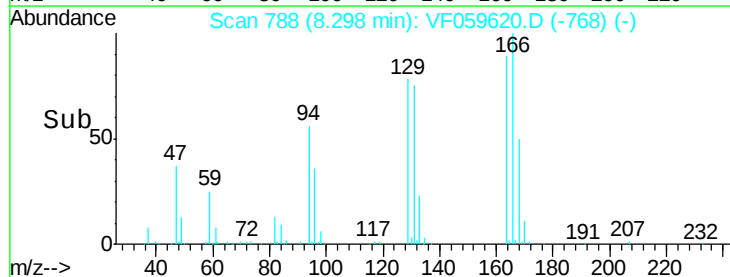
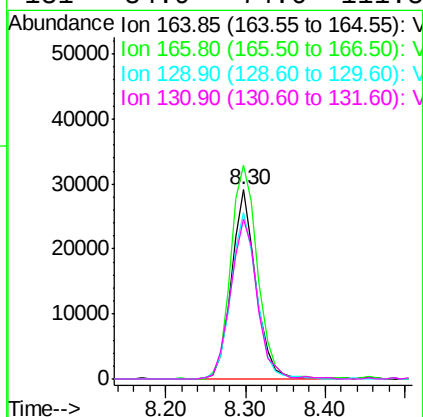
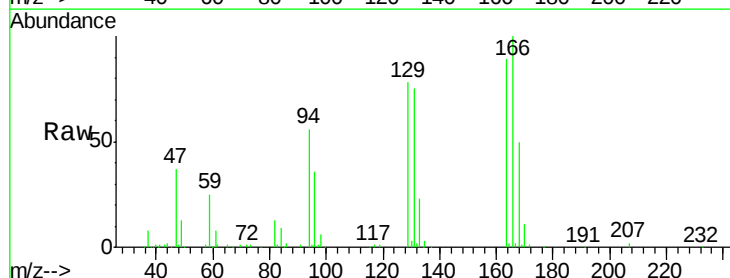
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

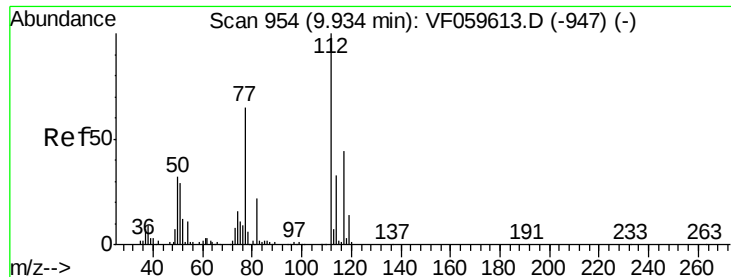
Tgt Ion:117 Resp: 374584
Ion Ratio Lower Upper
117 100
82 57.4 46.5 69.7
119 34.4 24.4 36.6



#64
Tetrachloroethene
Concen: 22.472 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion:164 Resp: 62510
Ion Ratio Lower Upper
164 100
166 112.9 104.8 157.2
129 88.3 85.3 127.9
131 84.9 74.6 111.8

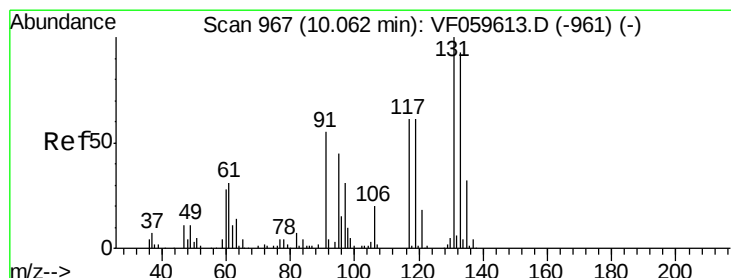
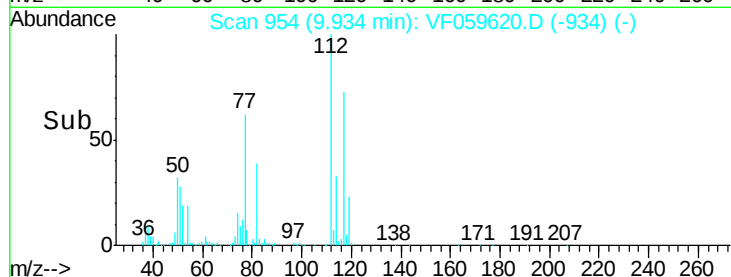
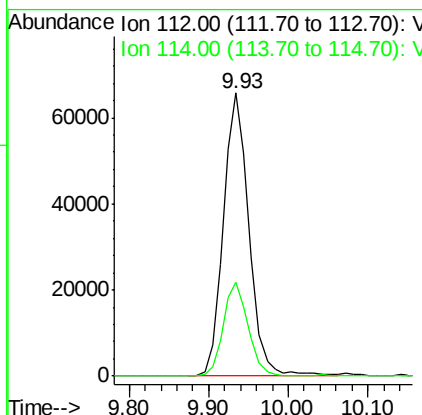
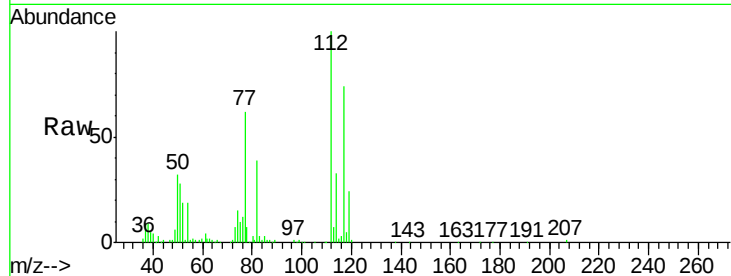




#65
Chlorobenzene
Concen: 21.559 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

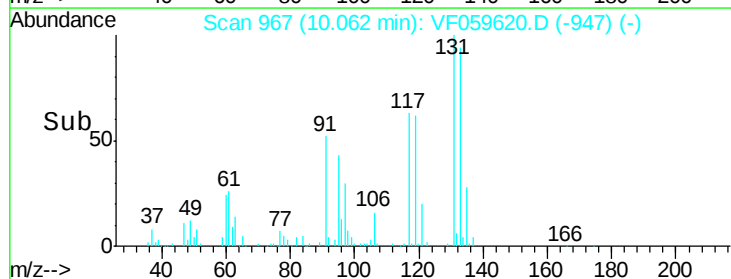
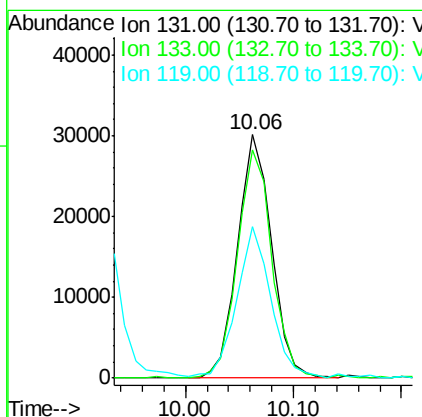
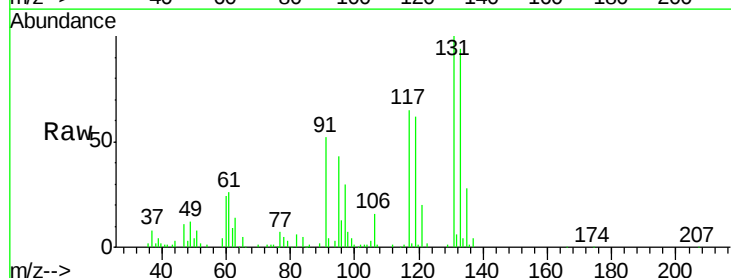
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

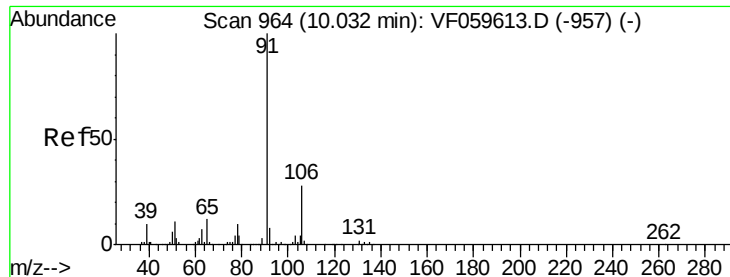
Tgt Ion:112 Resp: 148907
Ion Ratio Lower Upper
112 100
114 33.3 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.127 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion:131 Resp: 66121
Ion Ratio Lower Upper
131 100
133 93.6 46.4 139.2
119 62.0 30.6 91.8





#67

Ethyl Benzene

Concen: 21.705 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

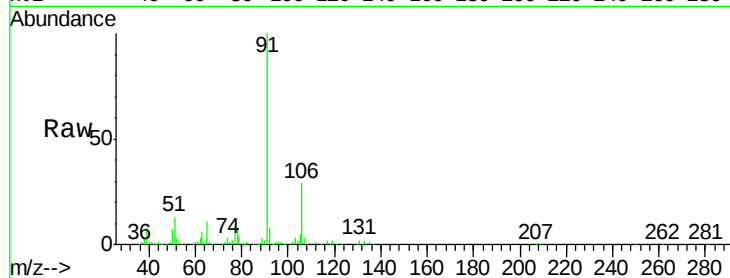
VF0723SBS01

Tgt Ion: 91 Resp: 272592

Ion Ratio Lower Upper

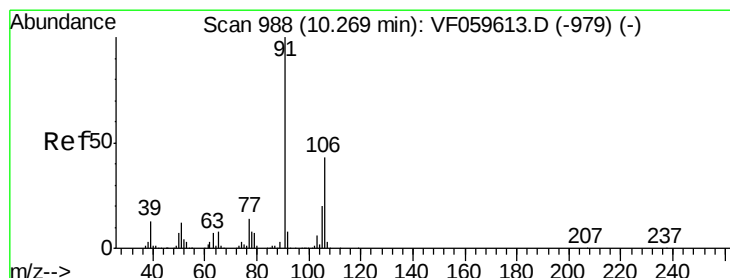
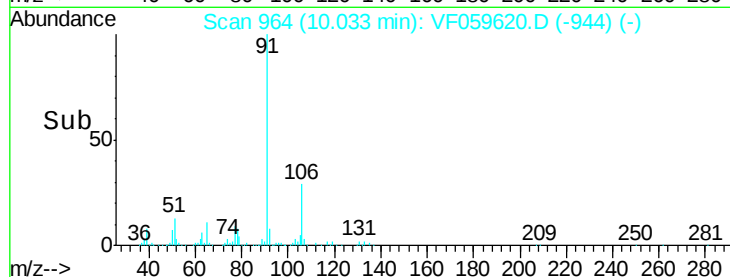
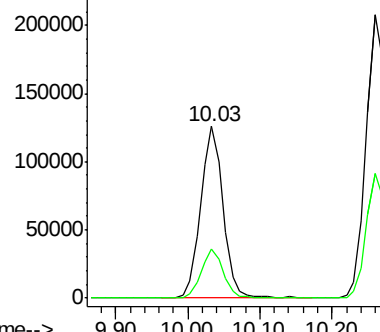
91 100

106 28.6 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.491 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059620.D

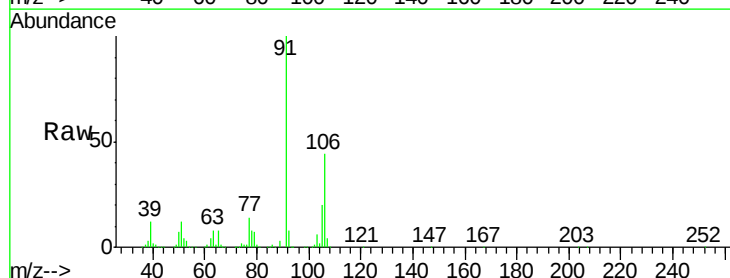
Acq: 23 Jul 2018 18:08

Tgt Ion: 106 Resp: 194164

Ion Ratio Lower Upper

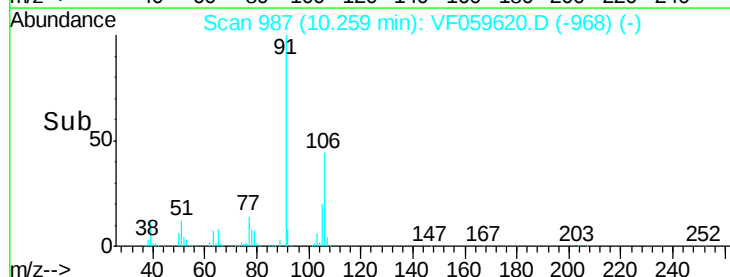
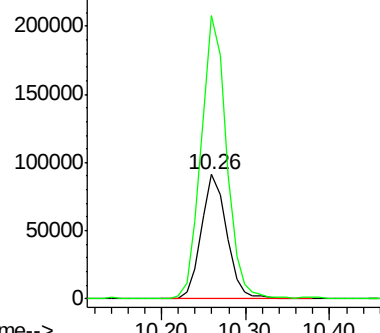
106 100

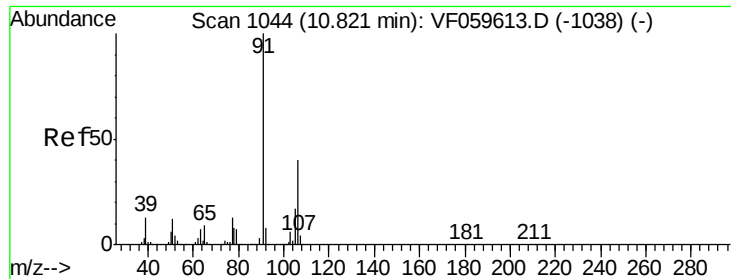
91 227.8 187.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

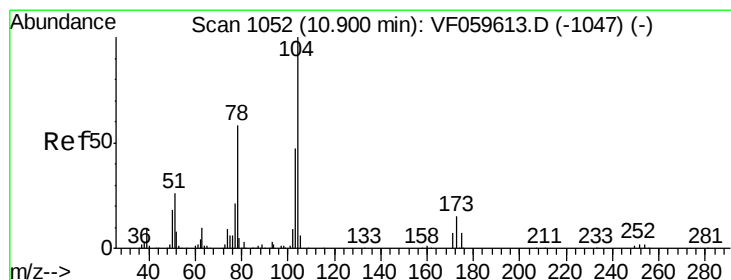
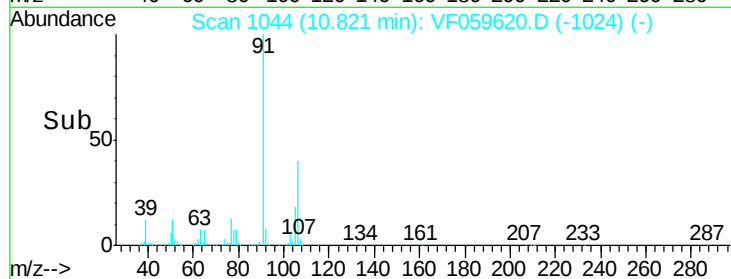
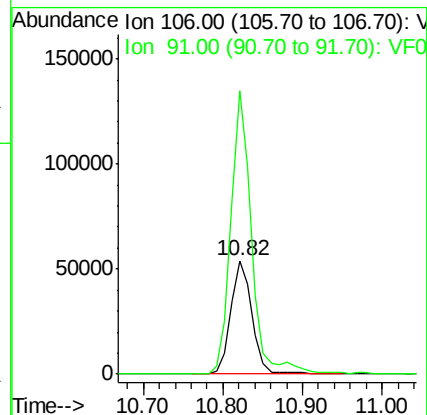
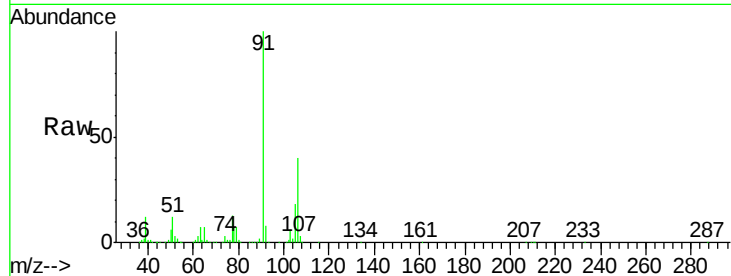




#69
o-Xylene
Concen: 21.988 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

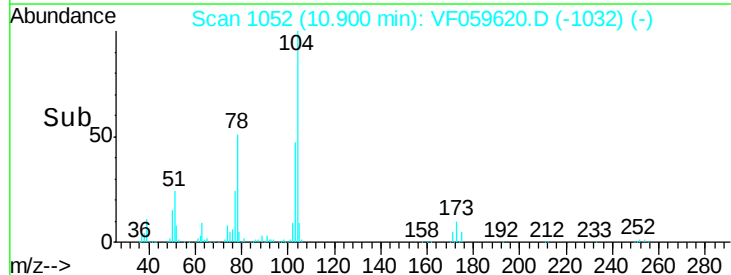
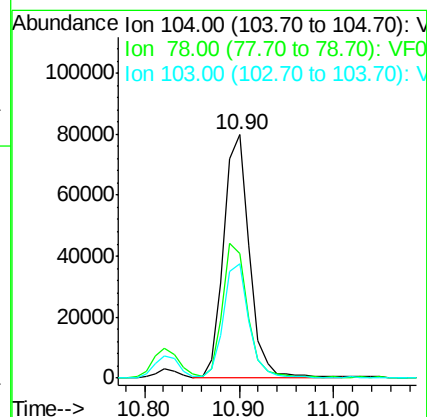
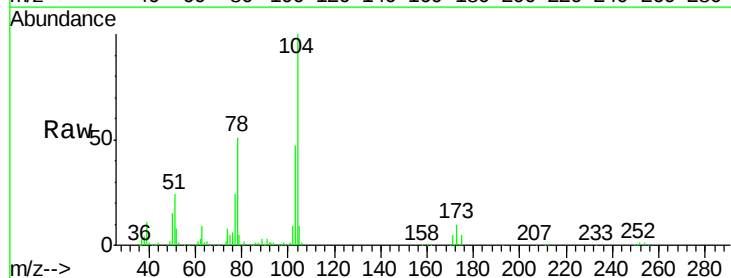
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

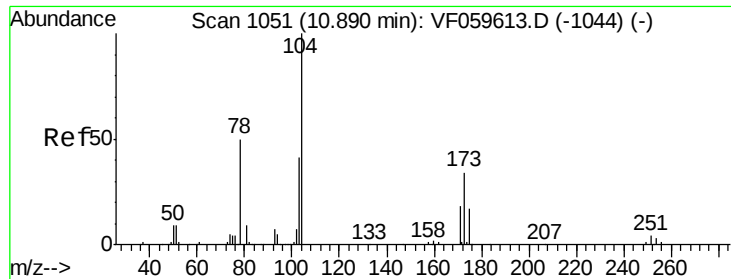
Tgt Ion:106 Resp: 101935
Ion Ratio Lower Upper
106 100
91 249.6 125.8 377.3



#70
Styrene
Concen: 21.559 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion:104 Resp: 149897
Ion Ratio Lower Upper
104 100
78 51.3 47.4 71.2
103 47.2 38.8 58.2





#71

Bromoform

Concen: 18.197 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

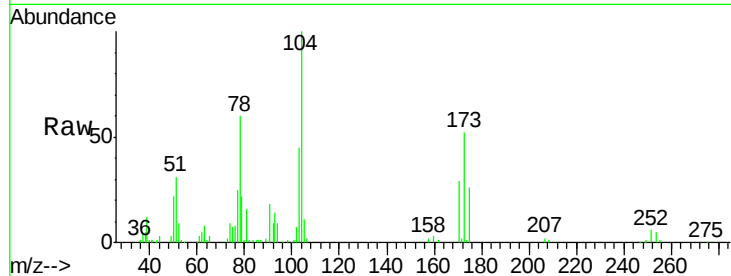
Tgt Ion:173 Resp: 35288

Ion Ratio Lower Upper

173 100

175 48.9 25.1 75.2

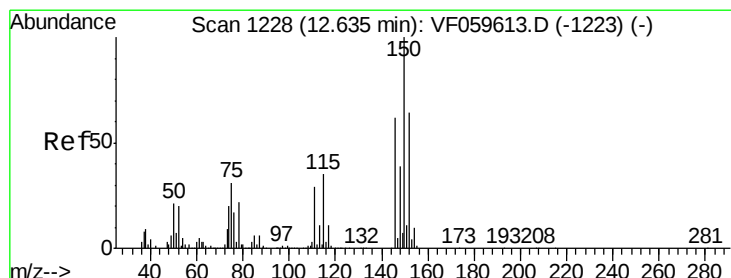
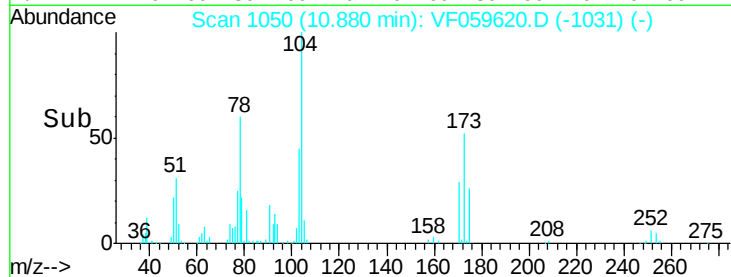
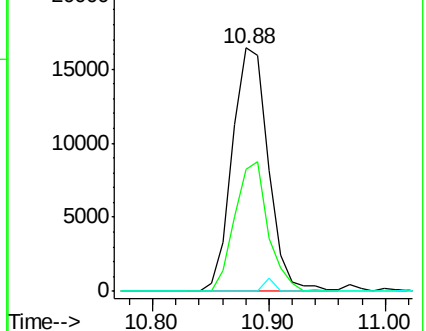
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

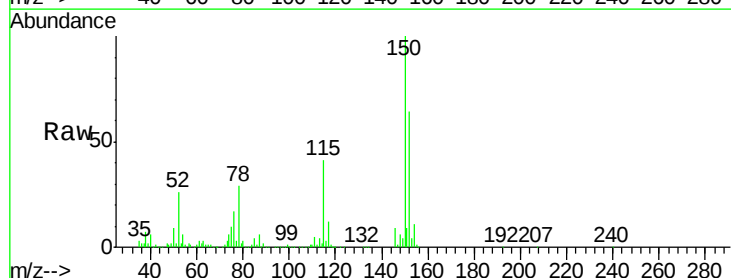
Tgt Ion:152 Resp: 230635

Ion Ratio Lower Upper

152 100

115 63.3 27.8 83.4

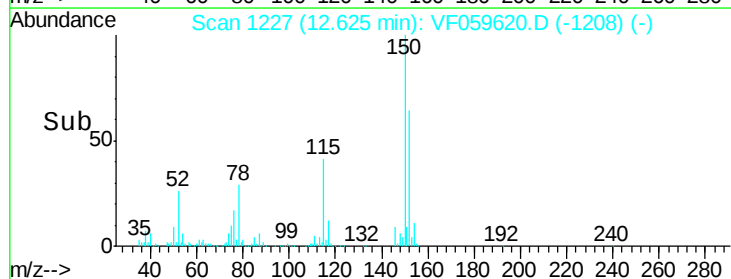
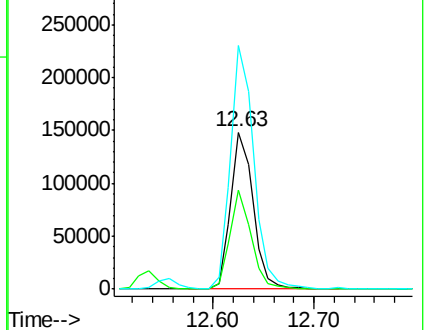
150 155.3 0.0 314.6

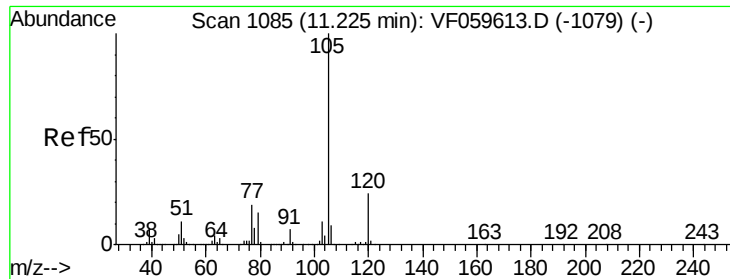


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.477 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

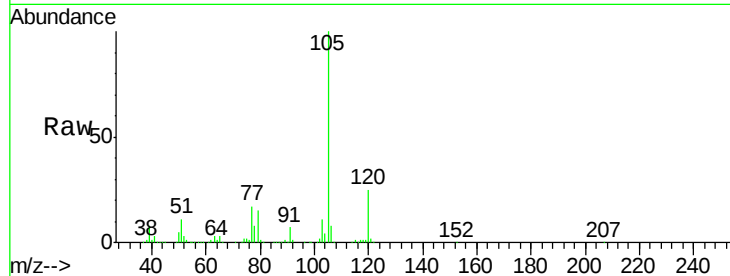
VF0723SBS01

Tgt Ion:105 Resp: 314603

Ion Ratio Lower Upper

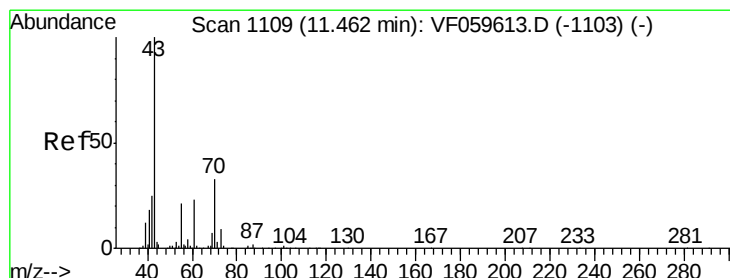
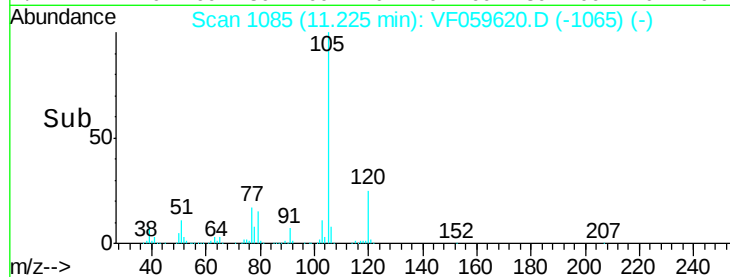
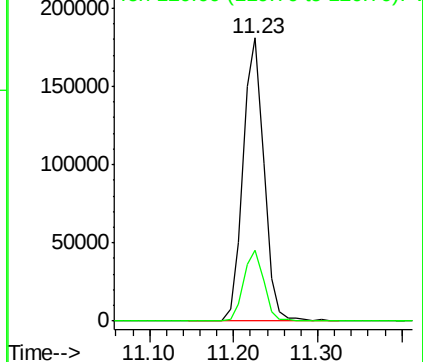
105 100

120 25.1 11.8 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.838 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Tgt Ion: 43 Resp: 68641

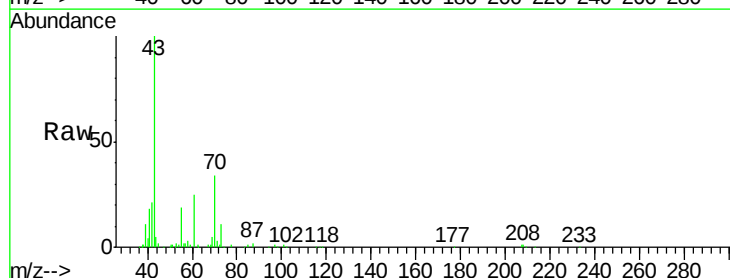
Ion Ratio Lower Upper

43 100

70 34.4 26.6 40.0

55 19.0 17.0 25.6

61 25.1 18.3 27.5

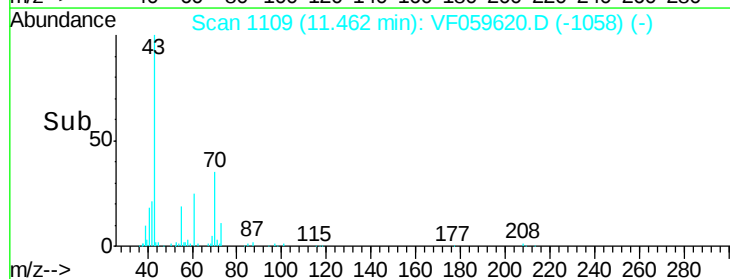
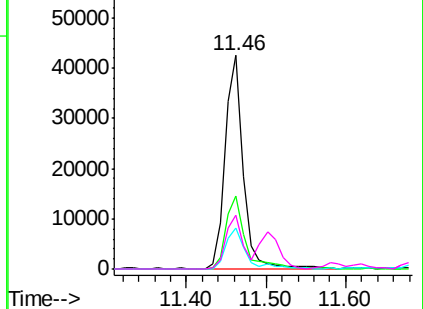


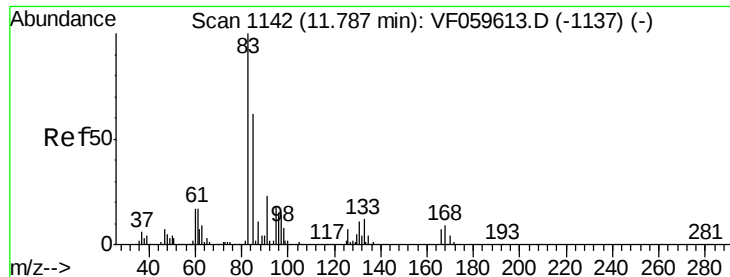
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.278 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

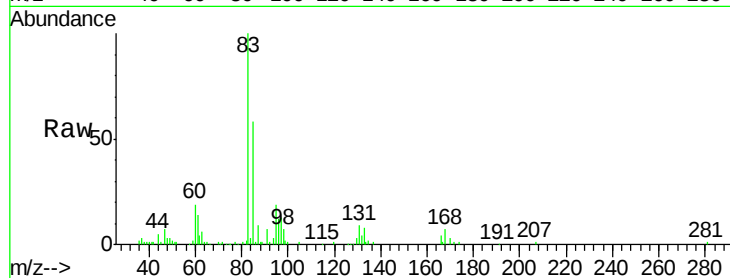
Tgt Ion: 83 Resp: 49864

Ion Ratio Lower Upper

83 100

131 8.8 5.7 17.0

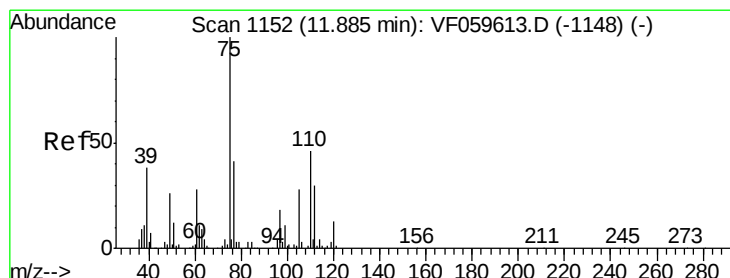
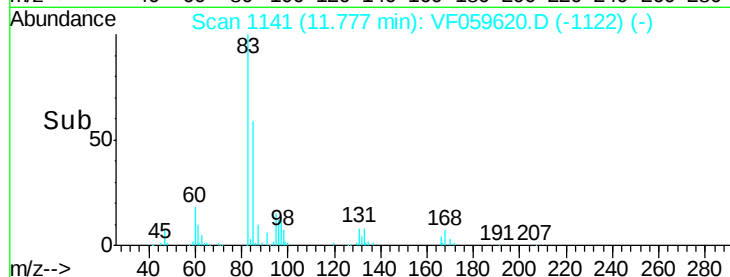
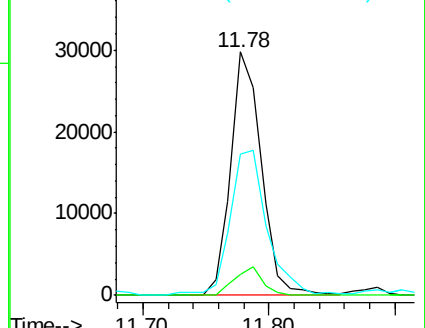
85 58.2 31.1 93.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.982 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059620.D

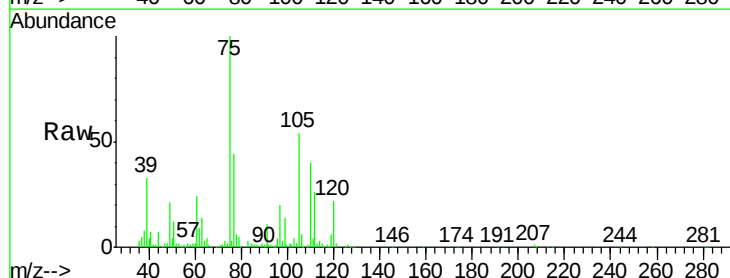
Acq: 23 Jul 2018 18:08

Tgt Ion: 75 Resp: 45075

Ion Ratio Lower Upper

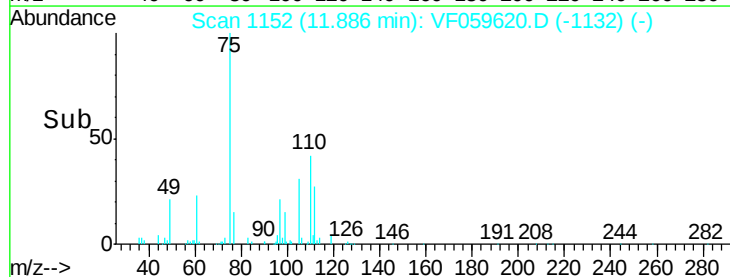
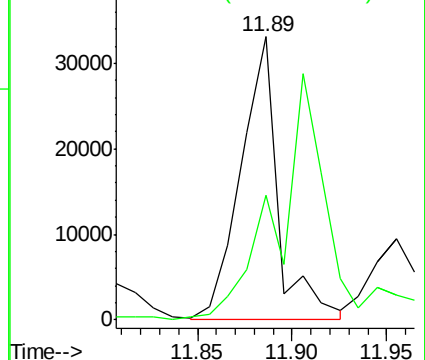
75 100

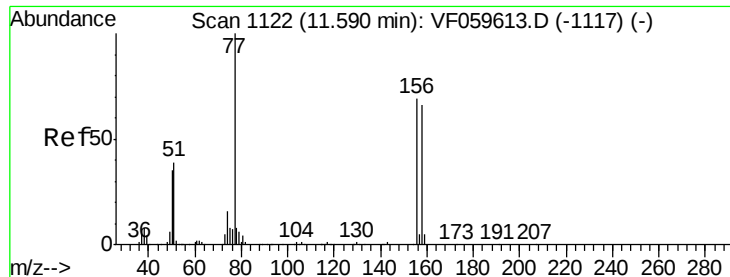
77 44.1 20.9 62.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.406 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

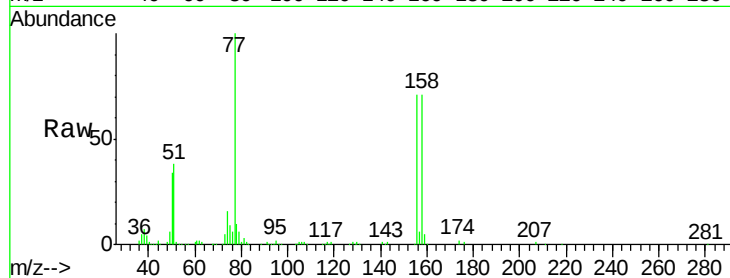
Tgt Ion:156 Resp: 77445

Ion Ratio Lower Upper

156 100

77 140.0 72.1 216.3

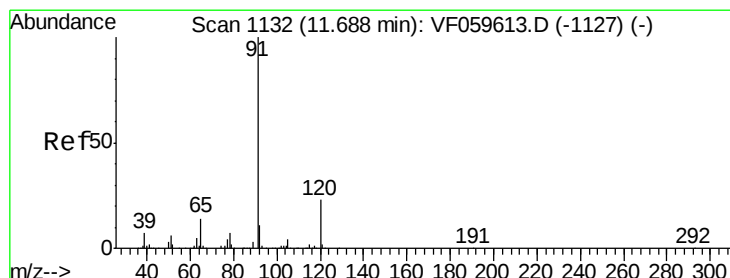
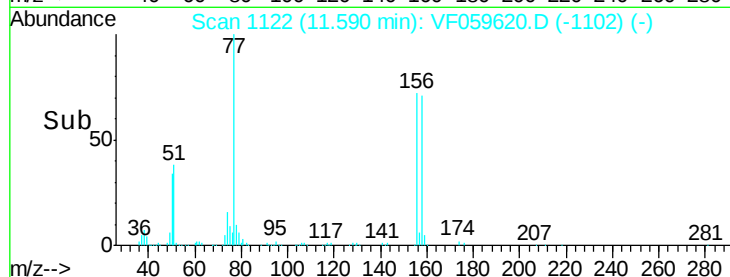
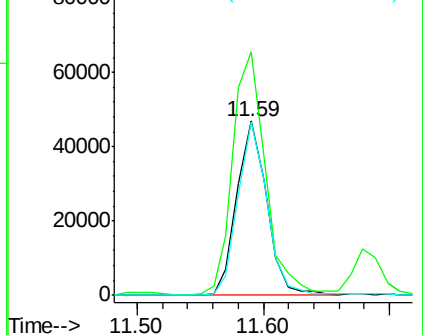
158 99.3 47.3 141.9



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: 21.673 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059620.D

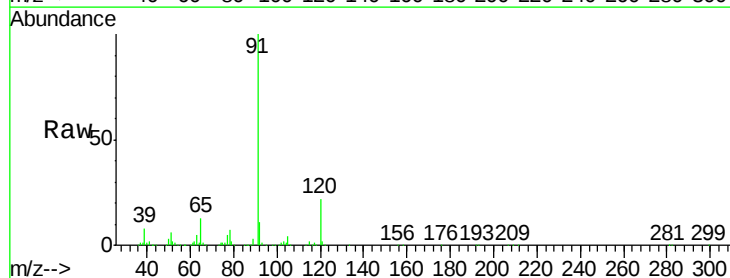
Acq: 23 Jul 2018 18:08

Tgt Ion: 91 Resp: 380454

Ion Ratio Lower Upper

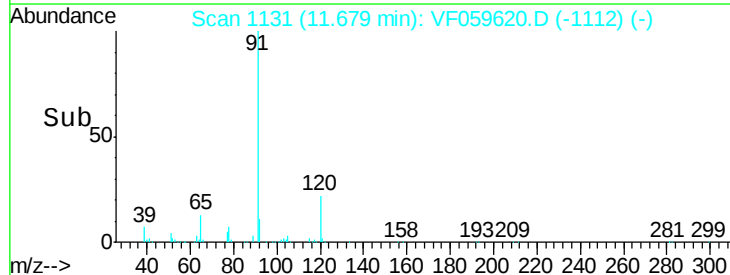
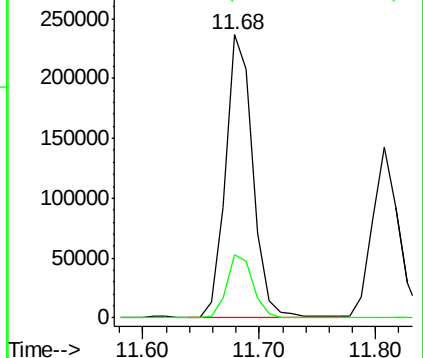
91 100

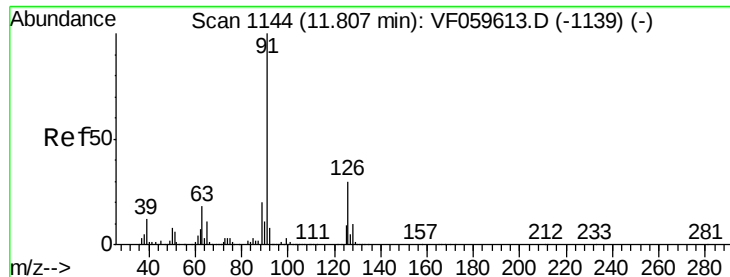
120 22.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.765 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

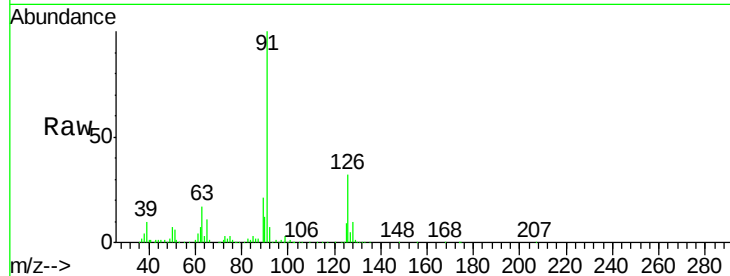
VF0723SBS01

Tgt Ion: 91 Resp: 218455

Ion Ratio Lower Upper

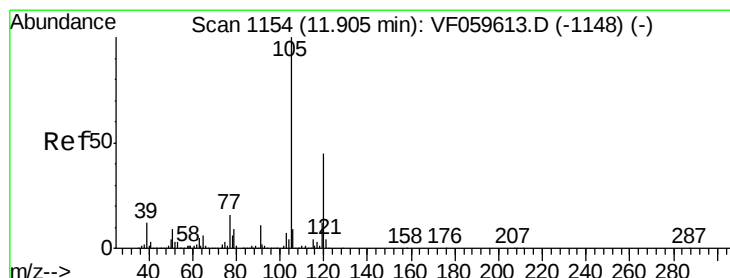
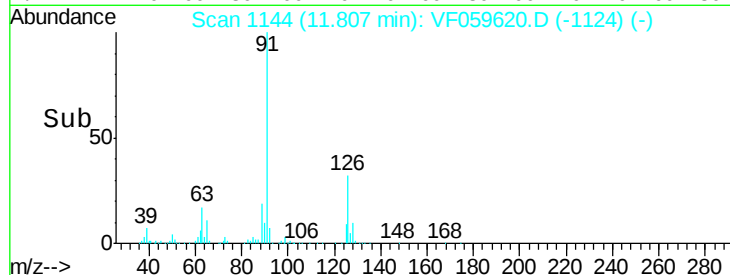
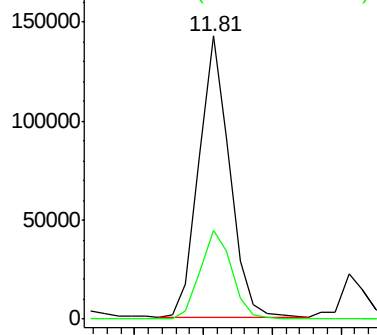
91 100

126 31.6 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.836 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059620.D

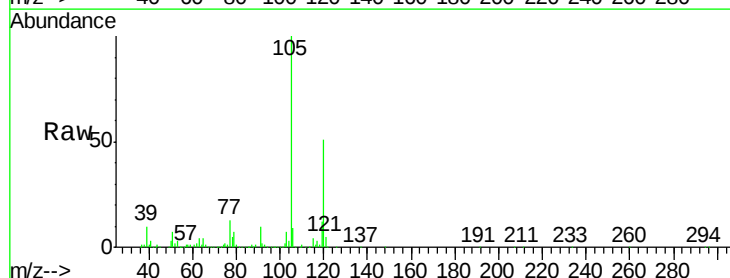
Acq: 23 Jul 2018 18:08

Tgt Ion: 105 Resp: 273220

Ion Ratio Lower Upper

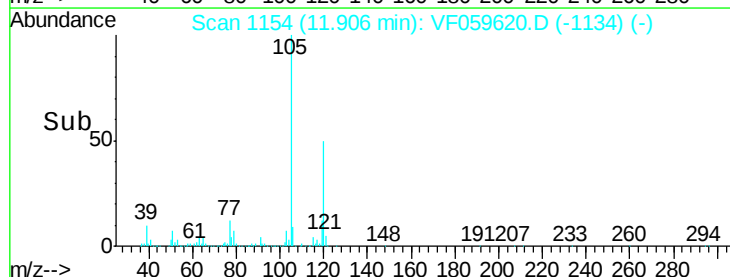
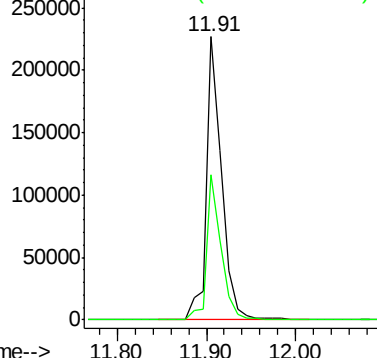
105 100

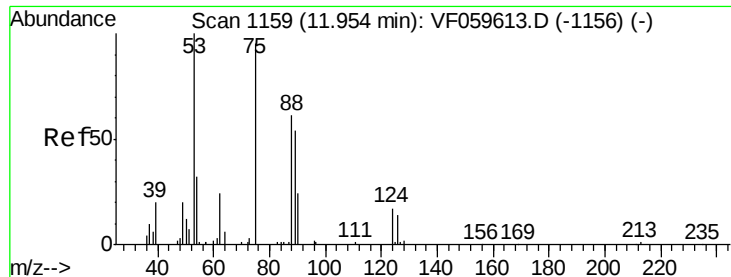
120 51.3 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 27.552 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

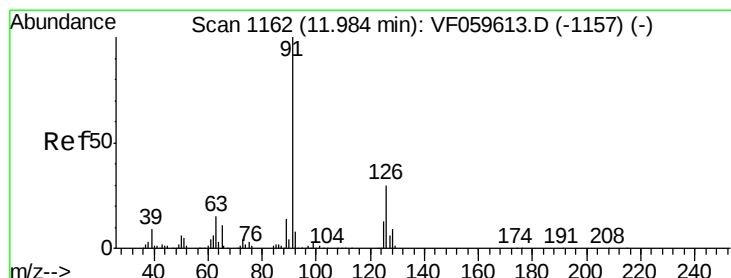
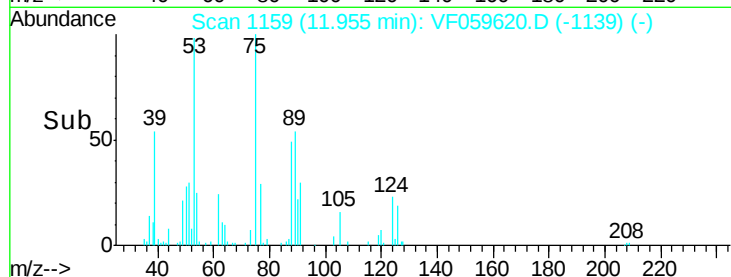
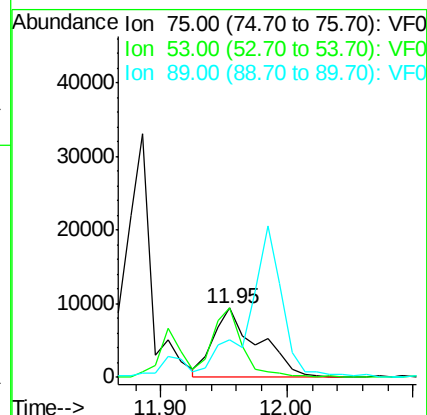
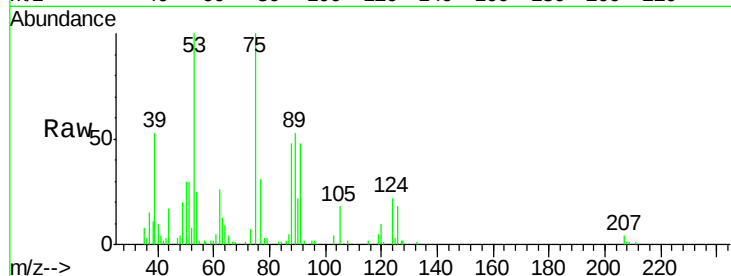
Tgt Ion: 75 Resp: 23476

Ion Ratio Lower Upper

75 100

53 100.5 86.4 129.6

89 53.7 46.8 70.2



#82

4-Chlorotoluene

Concen: 20.937 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059620.D

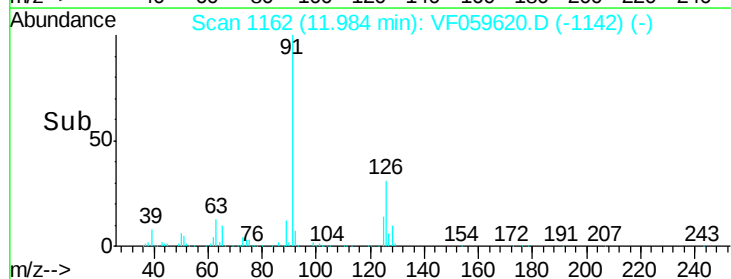
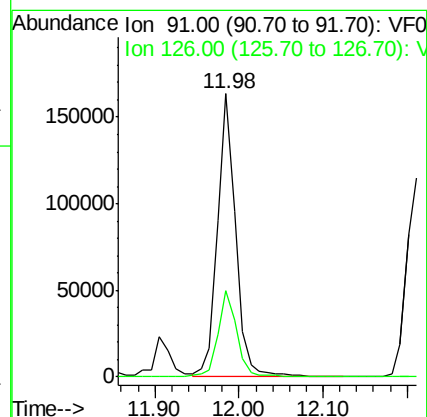
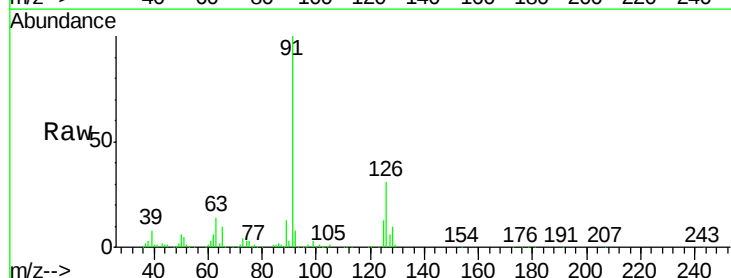
Acq: 23 Jul 2018 18:08

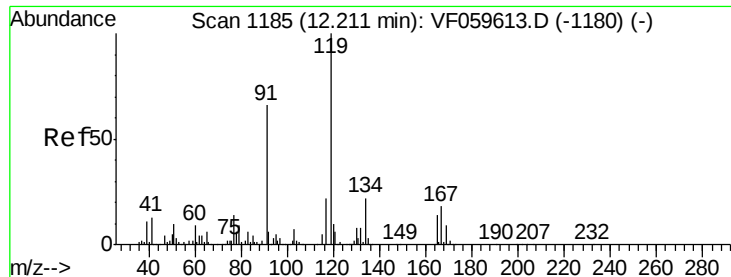
Tgt Ion: 91 Resp: 245010

Ion Ratio Lower Upper

91 100

126 30.5 14.7 44.1





#83

tert-Butylbenzene

Concen: 20.650 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059620.D

Acq: 23 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VF0723SBS01

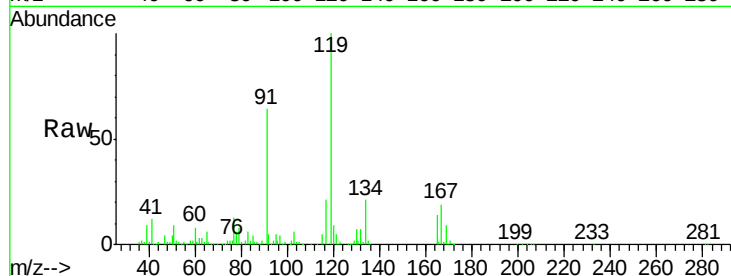
Tgt Ion:119 Resp: 267754

Ion Ratio Lower Upper

119 100

91 63.7 33.2 99.6

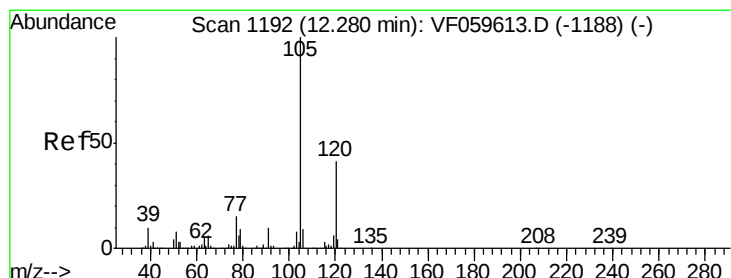
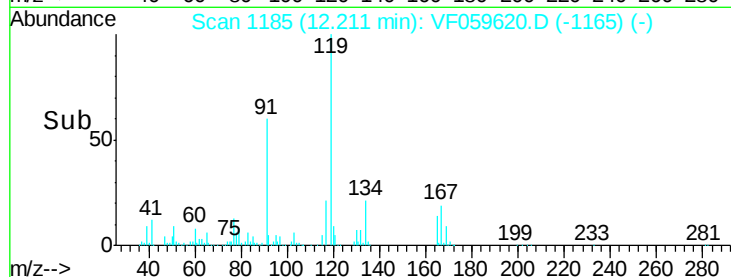
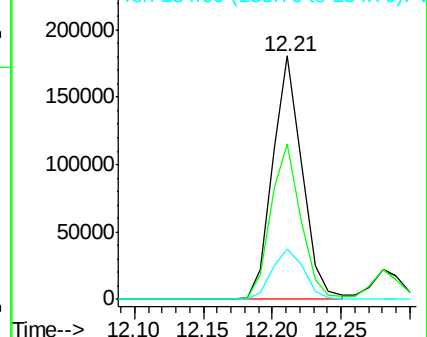
134 20.7 10.9 32.6



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: 21.115 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF059620.D

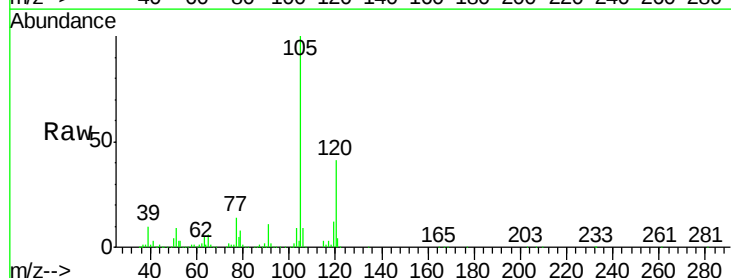
Acq: 23 Jul 2018 18:08

Tgt Ion:105 Resp: 281675

Ion Ratio Lower Upper

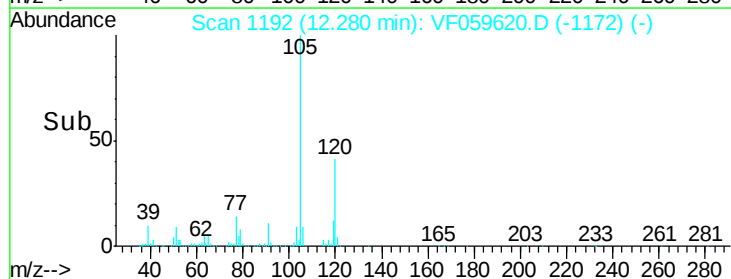
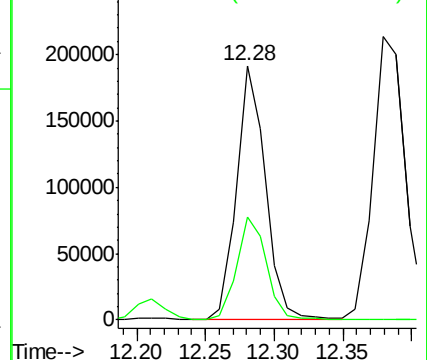
105 100

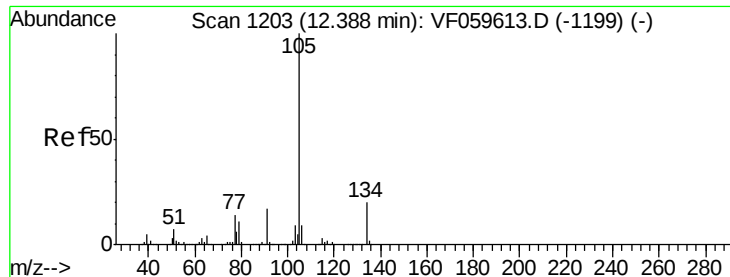
120 40.7 20.4 61.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

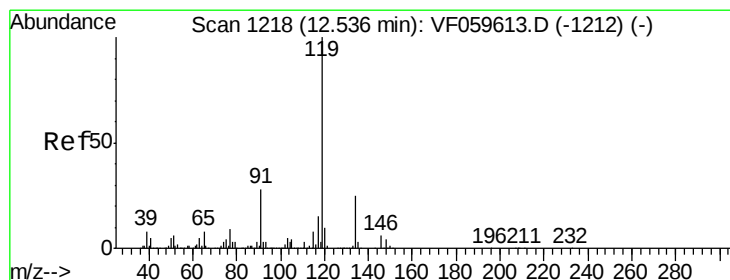
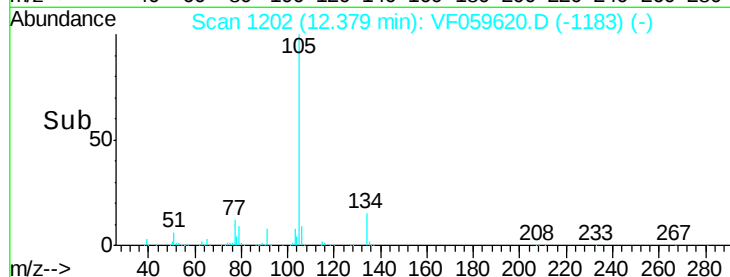
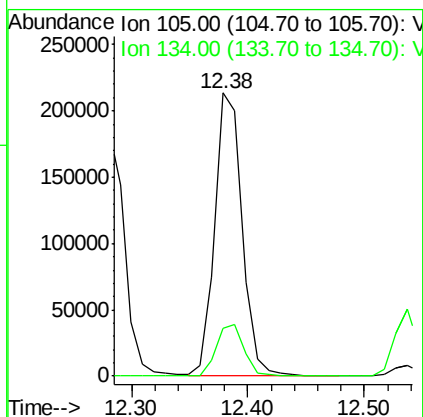
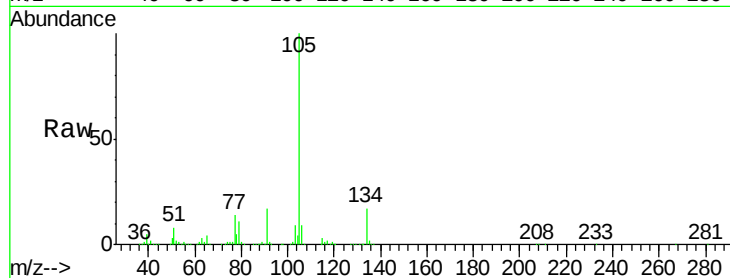




#85
 sec-Butylbenzene
 Concen: 20.744 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

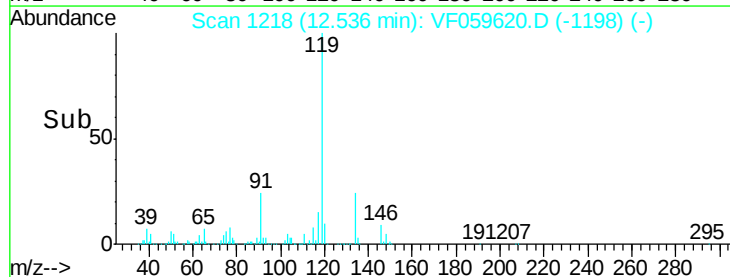
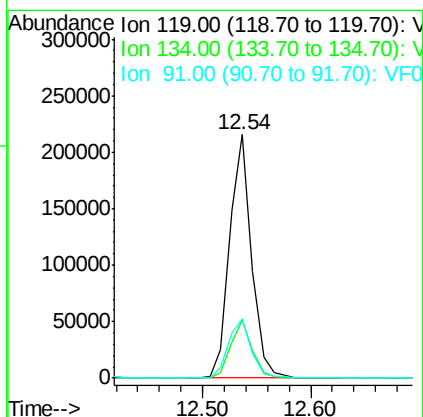
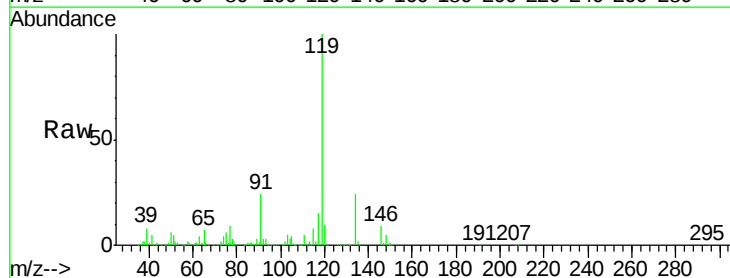
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

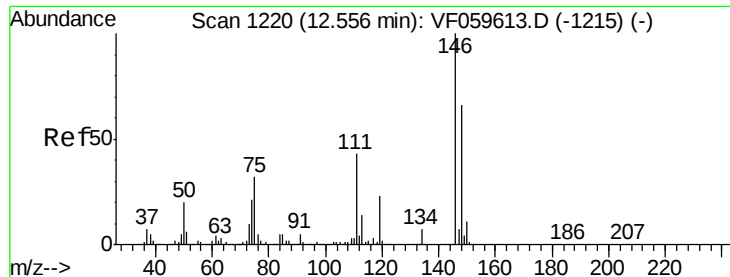
Tgt Ion:105 Resp: 347664
 Ion Ratio Lower Upper
 105 100
 134 17.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 20.662 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion:119 Resp: 304771
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.4 37.2
 91 24.5 13.9 41.7

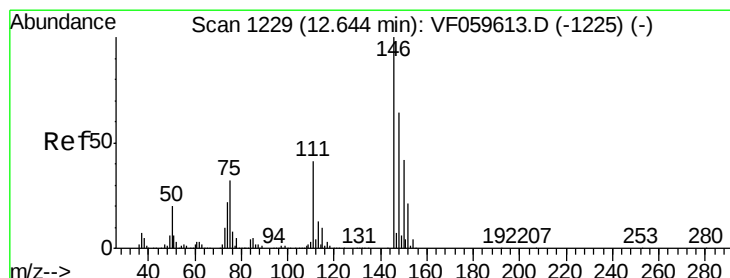
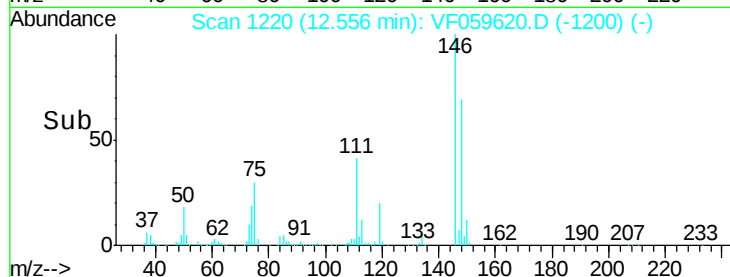
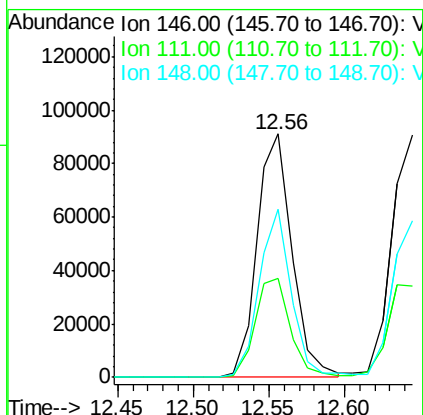
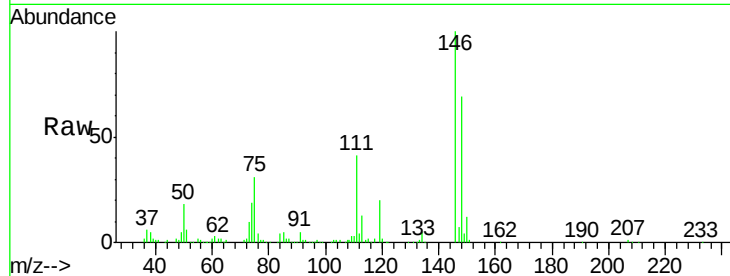




#87
 1,3-Dichlorobenzene
 Concen: 20.253 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

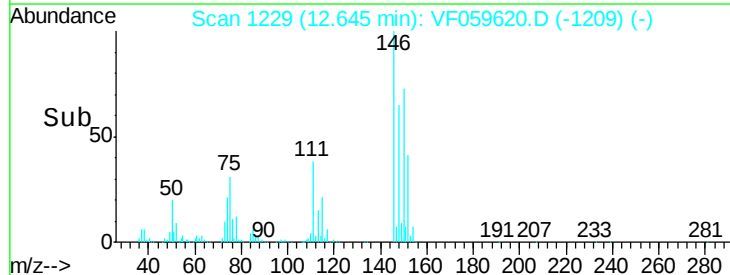
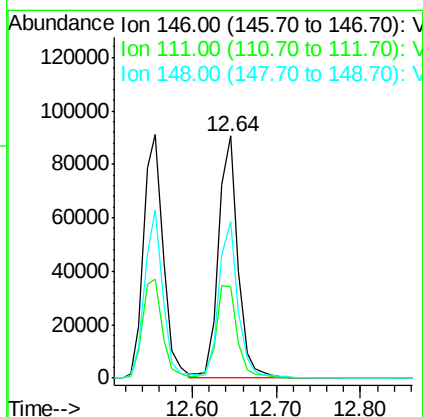
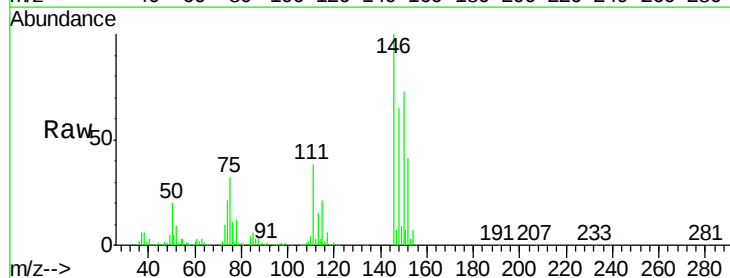
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

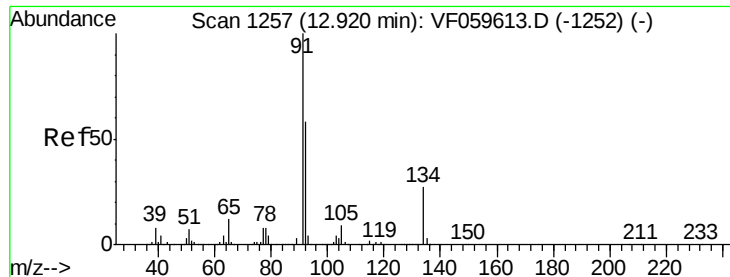
Tgt Ion:146 Resp: 147391
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.6 64.8
 148 69.1 33.1 99.3



#88
 1,4-Dichlorobenzene
 Concen: 21.317 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion:146 Resp: 145553
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.5 61.5
 148 64.5 32.3 96.8

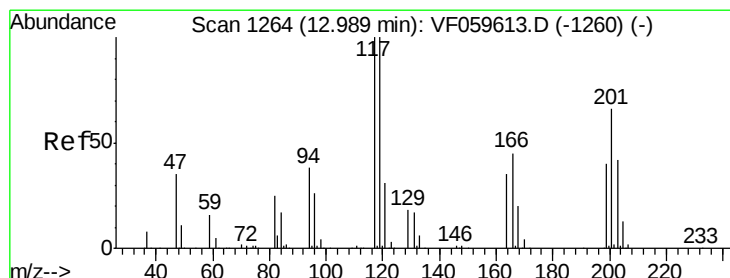
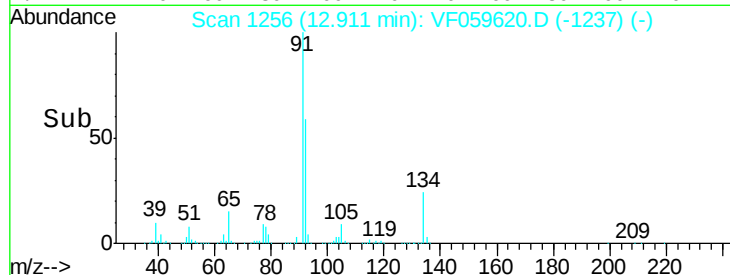
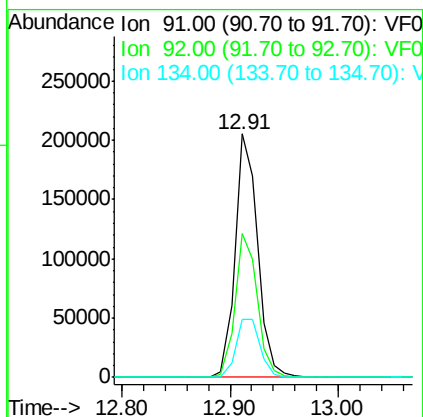
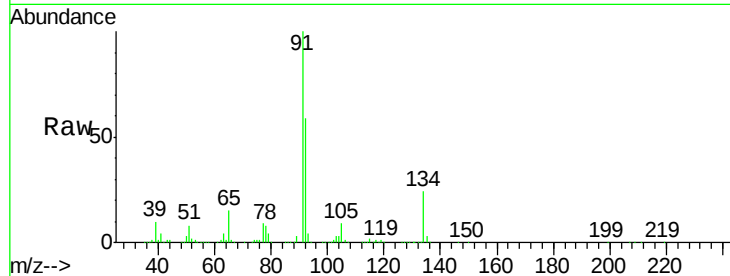




#89
n-Butylbenzene
Concen: 21.126 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

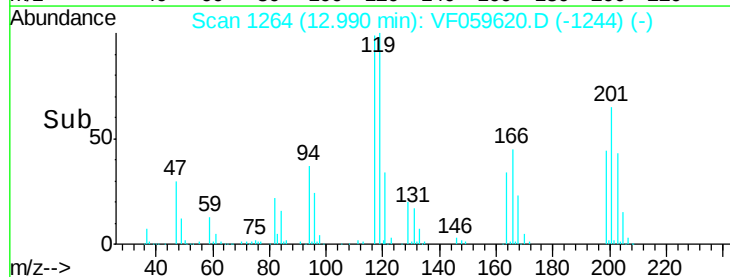
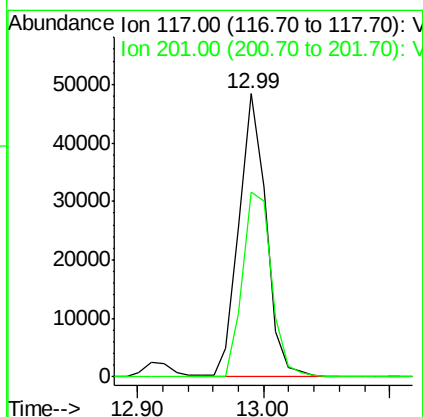
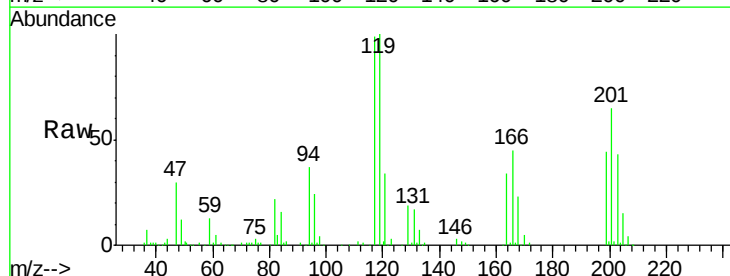
Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

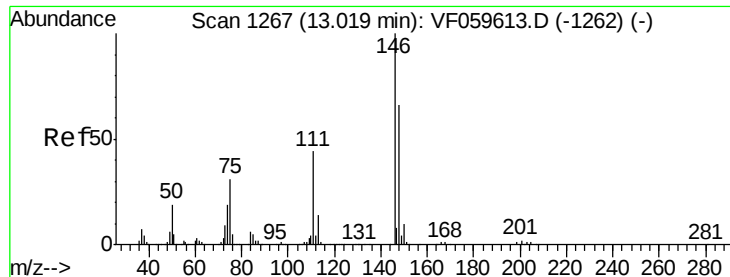
Tgt Ion: 91 Resp: 297741
Ion Ratio Lower Upper
91 100
92 58.8 28.8 86.4
134 23.8 13.5 40.4



#90
Hexachloroethane
Concen: 19.864 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion: 117 Resp: 72592
Ion Ratio Lower Upper
117 100
201 66.7 33.6 100.6

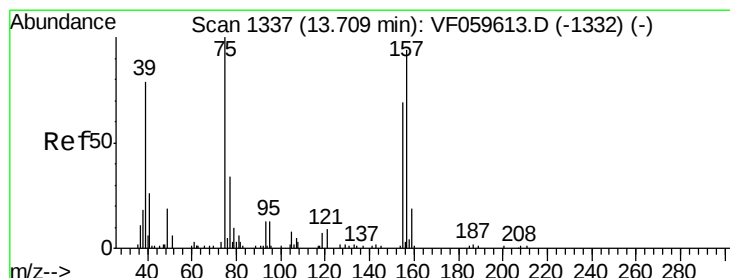
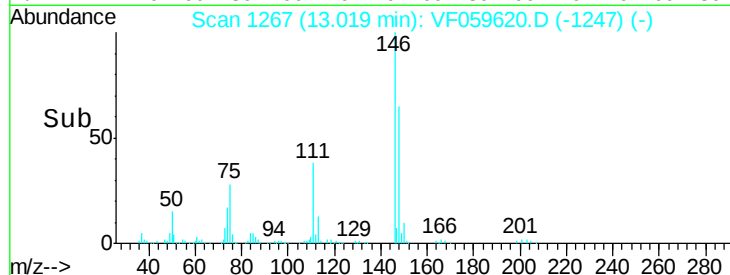
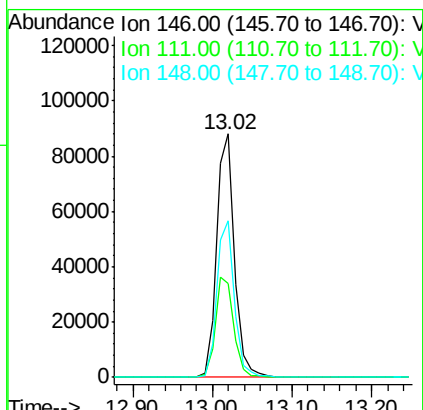
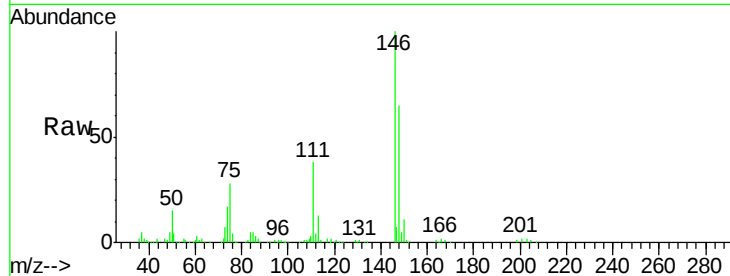




#91
 1,2-Dichlorobenzene
 Concen: 20.522 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

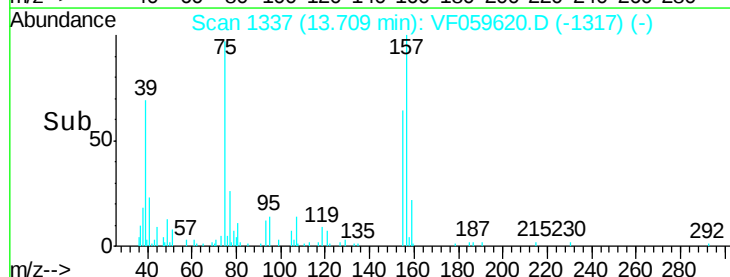
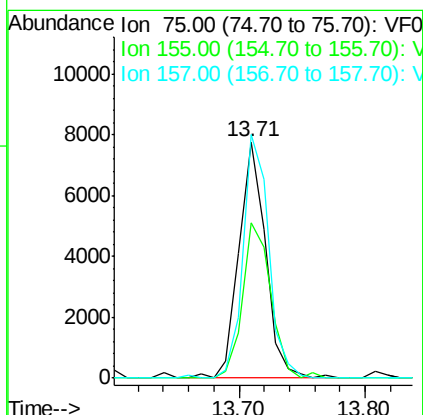
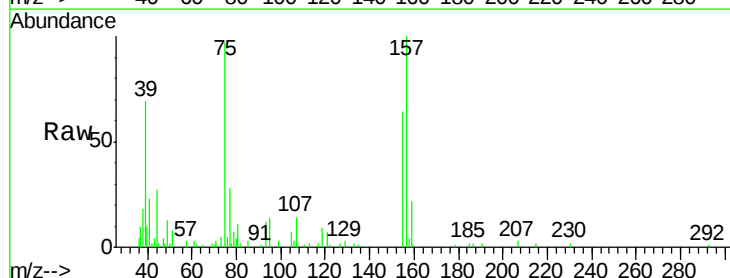
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

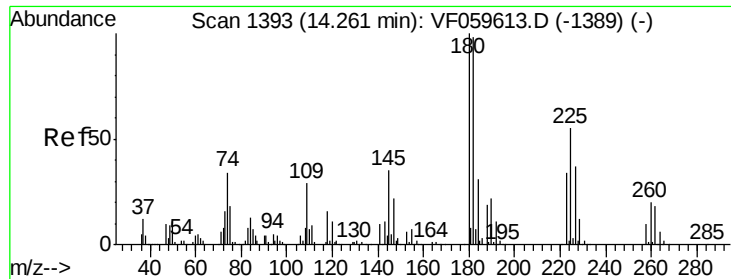
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.8	65.3
148	64.6	32.9	98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.158 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.7	34.6	103.8
157	106.9	47.0	141.0

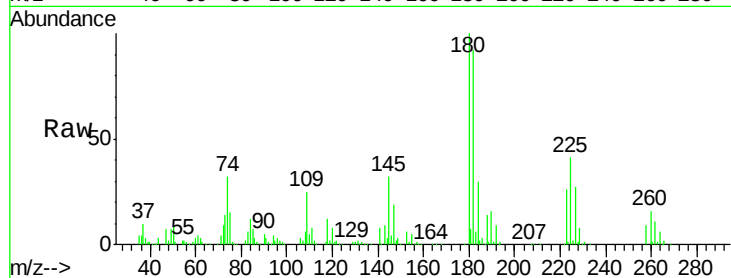




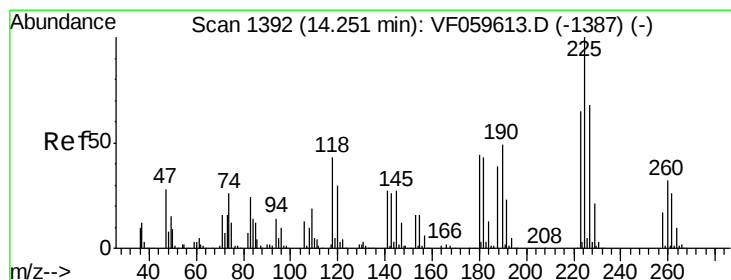
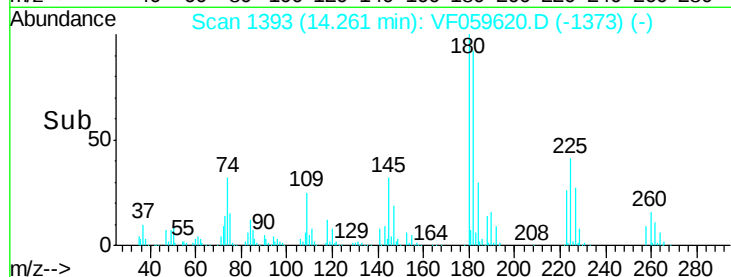
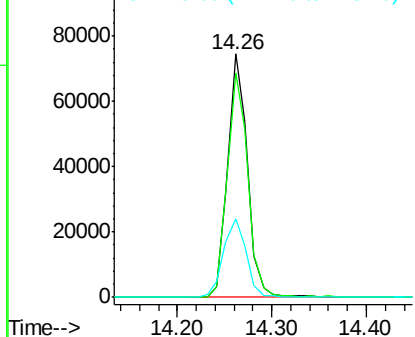
#93
 1,2,4-Trichlorobenzene
 Concen: 21.283 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0723SBS01

Tgt Ion:180 Resp: 107909
 Ion Ratio Lower Upper
 180 100
 182 92.4 48.8 146.3
 145 32.5 17.5 52.6

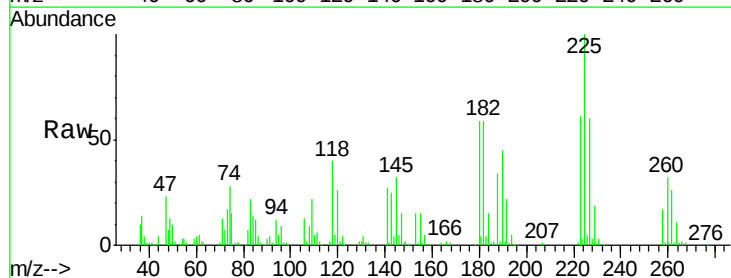


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

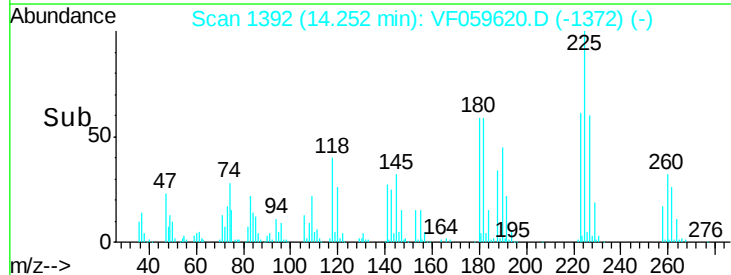
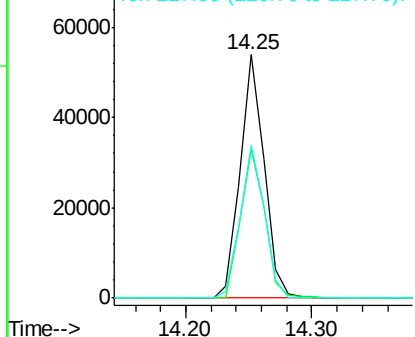


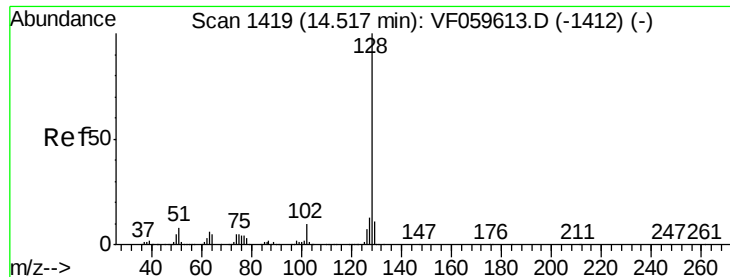
#94
 Hexachlorobutadiene
 Concen: 20.096 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059620.D
 Acq: 23 Jul 2018 18:08

Tgt Ion:225 Resp: 70929
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.6 98.0
 227 62.6 33.9 101.6



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

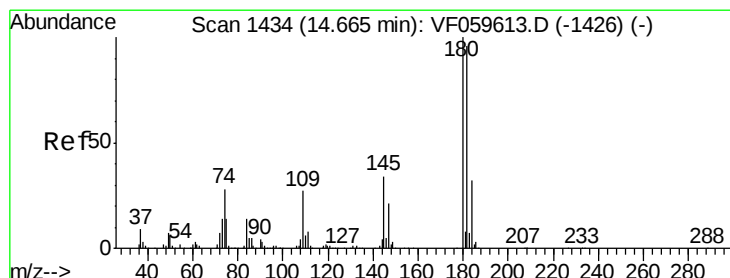
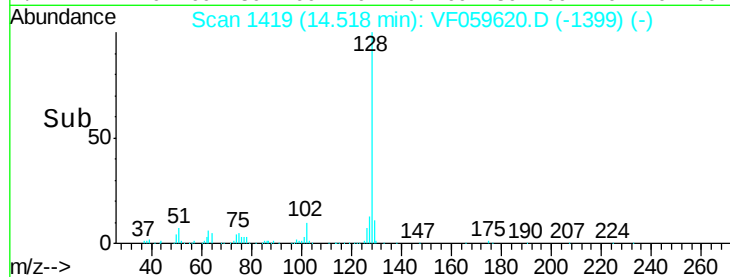
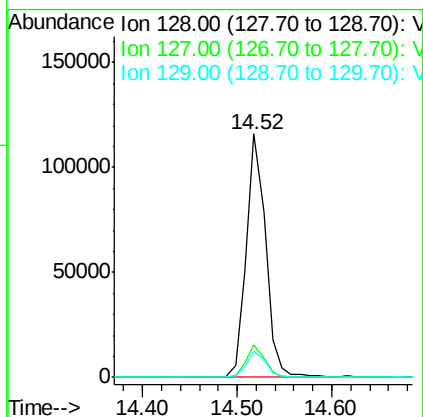
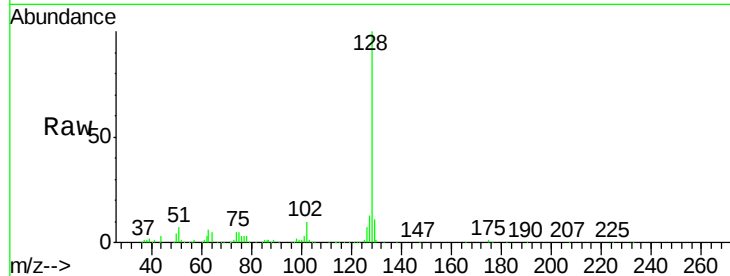




#95
Naphthalene
Concen: 20.052 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBS01

Tgt Ion:128 Resp: 165123
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.6 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 20.496 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059620.D
Acq: 23 Jul 2018 18:08

Tgt Ion:180 Resp: 94469
Ion Ratio Lower Upper
180 100
182 95.1 48.0 144.2
145 34.4 17.1 51.2

