

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059824.D
 Acq On : 3 Aug 2018 3:58
 Operator : VA/AP
 Sample : VF0802SBSD02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Quant Time: Aug 03 04:16:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	171926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	254551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	242565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	159352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	169829	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	4.29	113	134613	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	7.71	98	315007	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.51	95	174357	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	55758	26.160	ug/l	99
3) Chloromethane	1.08	50	29362	27.161	ug/l	96
4) Vinyl Chloride	1.15	62	30189	26.605	ug/l	95
5) Bromomethane	1.33	94	24565	26.061	ug/l	90
6) Chloroethane	1.41	64	15988	22.251	ug/l	89
7) Trichlorofluoromethane	1.53	101	49176	15.316	ug/l	89
8) Diethyl Ether	1.70	74	12825	23.361	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43346	25.777	ug/l	95
10) Methyl Iodide	1.95	142	66150	26.126	ug/l #	96
11) Tert butyl alcohol	2.70	59	14271	113.753	ug/l	98
12) 1,1-Dichloroethene	1.85	96	33975	25.518	ug/l	77
13) Acrolein	2.10	56	5632	96.825	ug/l #	68
14) Allyl chloride	2.19	41	54829	25.793	ug/l	85
15) Acrylonitrile	3.07	53	26418	132.356	ug/l #	85
16) Acetone	2.35	43	53590	96.424	ug/l	100
17) Carbon Disulfide	1.88	76	76486	25.365	ug/l #	90
18) Methyl Acetate	2.45	43	32596	36.439	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	95078	23.417	ug/l	97
20) Methylene Chloride	2.28	84	34942	25.328	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	32266	26.485	ug/l	90
22) Diisopropyl ether	2.93	45	109589	24.378	ug/l #	95
23) Vinyl Acetate	3.33	43	253604	109.729	ug/l #	97
24) 1,1-Dichloroethane	3.00	63	72860	23.329	ug/l	97
25) 2-Butanone	4.50	43	66092	106.558	ug/l #	89
26) 2,2-Dichloropropane	3.75	77	46328	20.808	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	37622	22.495	ug/l	100
28) Bromochloromethane	3.88	49	26803	22.085	ug/l #	80
29) Tetrahydrofuran	4.25	42	31344	131.484	ug/l	95
30) Chloroform	4.03	83	104557	23.720	ug/l	94
31) Cyclohexane	3.85	56	42767	26.299	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	81133	23.729	ug/l	92
36) 1,1-Dichloropropene	4.45	75	59079	20.602	ug/l	98
37) Ethyl Acetate	4.29	43	33320	23.801	ug/l #	81
38) Carbon Tetrachloride	4.16	117	88874	21.959	ug/l #	95

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 ALS Vial : 100 Sample Multiplier: 1

Instrument :
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 VF0802SBSD02

Quant Time: Aug 03 04:16:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	51124	23.740	ug/l	98
40) Benzene	4.81	78	118578	23.067	ug/l	97
41) Methacrylonitrile	4.92	41	15529	22.700	ug/l	95
42) 1,2-Dichloroethane	5.12	62	79673	22.146	ug/l	99
43) Isopropyl Acetate	7.11	43	33059	21.719	ug/l #	89
44) Trichloroethene	5.67	130	45002	23.290	ug/l	87
45) 1,2-Dichloropropane	6.40	63	32575	23.995	ug/l	92
46) Dibromomethane	6.25	93	28678	22.250	ug/l	95
47) Bromodichloromethane	6.54	83	75868	21.616	ug/l	95
48) Methyl methacrylate	6.87	41	22951	20.047	ug/l	90
49) 1,4-Dioxane	6.87	88	3698	487.157	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	135650	117.156	ug/l	94
52) Toluene	7.78	92	87897	24.329	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	64753	21.262	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	61630	20.892	ug/l #	95
55) 1,1,2-Trichloroethane	8.63	97	30052	21.585	ug/l	89
56) Ethyl methacrylate	8.76	69	32565	22.429	ug/l	95
57) 1,3-Dichloropropane	9.00	76	56468	23.642	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	18143	108.228	ug/l	100
59) 2-Hexanone	9.63	43	100178	107.967	ug/l	92
60) Dibromochloromethane	8.86	129	53123	21.624	ug/l	92
61) 1,2-Dibromoethane	9.14	107	36017	22.155	ug/l	96
64) Tetrachloroethene	8.30	164	47948	27.273	ug/l	93
65) Chlorobenzene	9.94	112	115040	23.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	51159	22.583	ug/l	98
67) Ethyl Benzene	10.03	91	194947	23.221	ug/l	98
68) m/p-Xylenes	10.27	106	137721	48.441	ug/l	99
69) o-Xylene	10.82	106	72195	23.338	ug/l	93
70) Styrene	10.90	104	115195	24.581	ug/l	99
71) Bromoform	10.89	173	35960	24.361	ug/l	99
73) Isopropylbenzene	11.23	105	253859	24.279	ug/l	97
74) N-amyl acetate	11.46	43	59237	22.456	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	48551	24.668	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	39877	23.827	ug/l	98
77) Bromobenzene	11.59	156	62093	22.742	ug/l	99
78) n-propylbenzene	11.69	91	284196	23.902	ug/l	99
79) 2-Chlorotoluene	11.81	91	174432	23.537	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	219890	23.984	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	21111	30.458	ug/l	83
82) 4-Chlorotoluene	11.99	91	185827	23.678	ug/l	97
83) tert-Butylbenzene	12.21	119	214376	22.840	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	217896	23.490	ug/l	98
85) sec-Butylbenzene	12.39	105	285121	23.882	ug/l	97
86) p-Isopropyltoluene	12.54	119	244928	23.322	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	116236	22.907	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	113704	22.984	ug/l	98
89) n-Butylbenzene	12.91	91	226532	22.472	ug/l	94
90) Hexachloroethane	12.99	117	62342	23.639	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	115603	24.260	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10701	22.241	ug/l	78

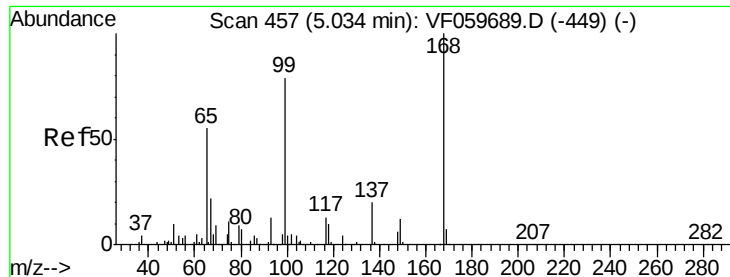
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080218\
Data File : VF059824.D
Acq On : 3 Aug 2018 3:58
Operator : VA/AP
Sample : VF0802SBSD02
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Quant Time: Aug 03 04:16:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	88836	23.010	ug/l	95
94) Hexachlorobutadiene	14.25	225	57717	22.082	ug/l	98
95) Naphthalene	14.52	128	162656	23.675	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	83384	21.958	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: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

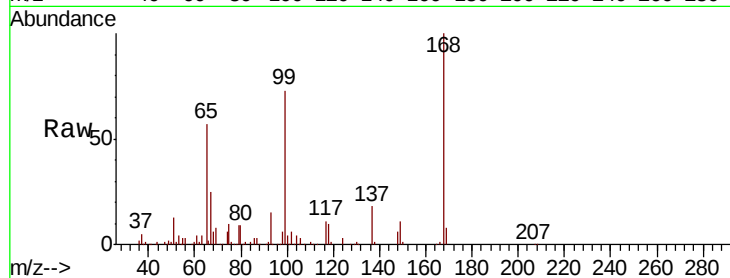
VF0802SBSD02

Tot Ion:168 Resp: 171926

Ion Ratio Lower Upper

168 100

99 73.3 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

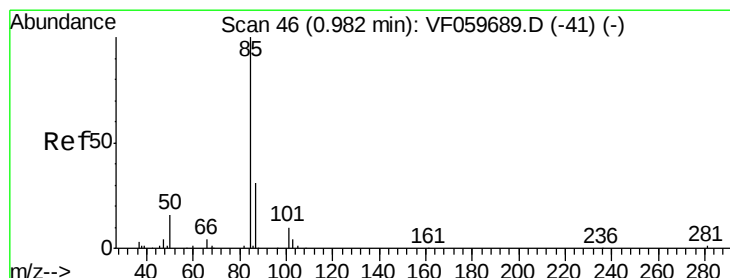
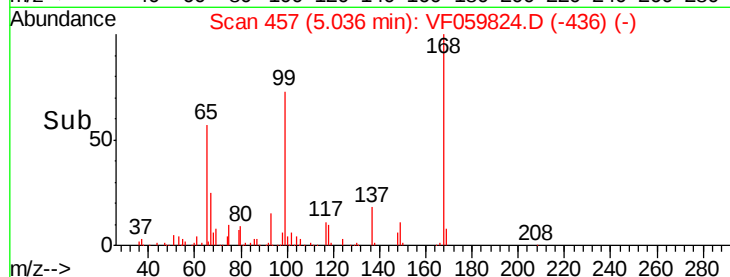
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.160 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059824.D

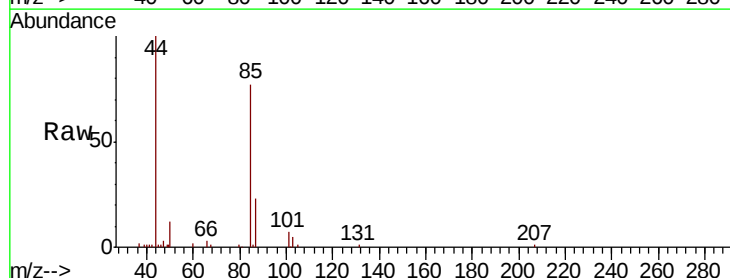
Acq: 3 Aug 2018 3:58

Tgt Ion: 85 Resp: 55758

Ion Ratio Lower Upper

85 100

87 30.0 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

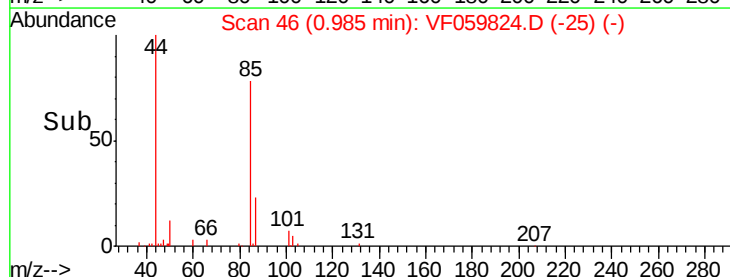
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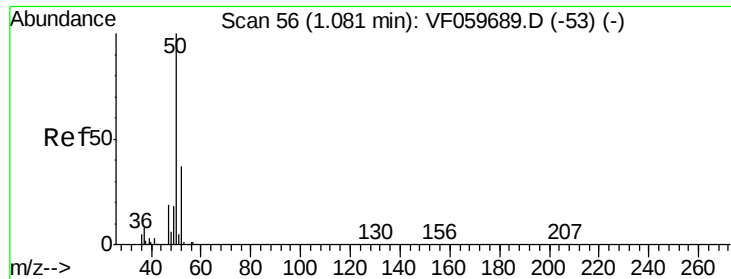
10000

5000

0

Time-->





#3

Chloromethane

Concen: 27.161 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

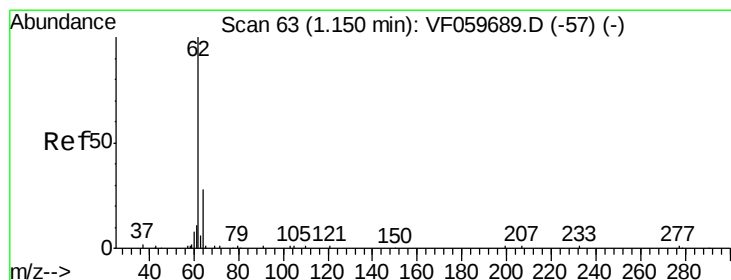
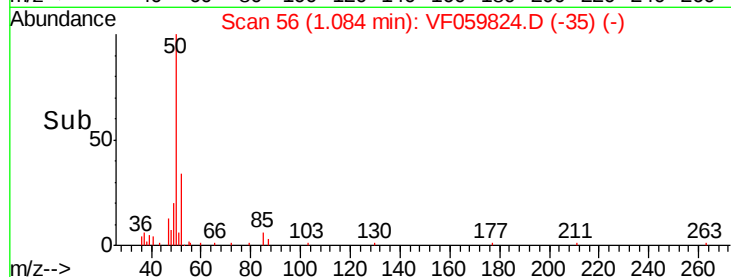
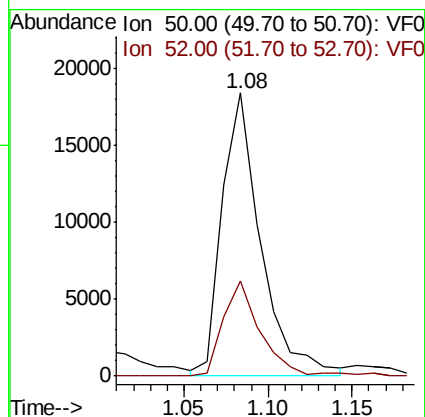
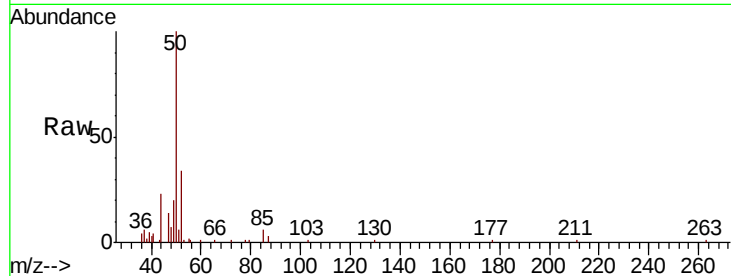
VF0802SBSD02

Tot Ion: 50 Resp: 29362

Ion Ratio Lower Upper

50 100

52 33.8 29.1 43.7



#4

Vinyl Chloride

Concen: 26.605 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059824.D

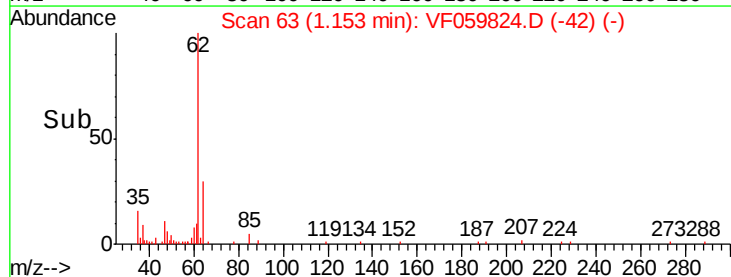
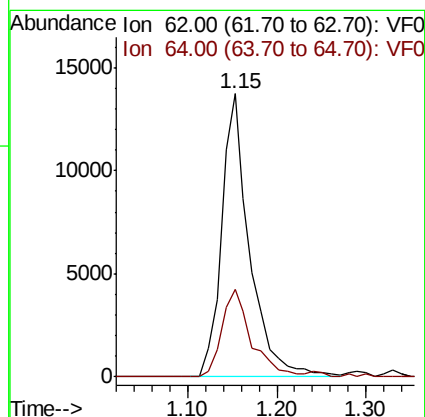
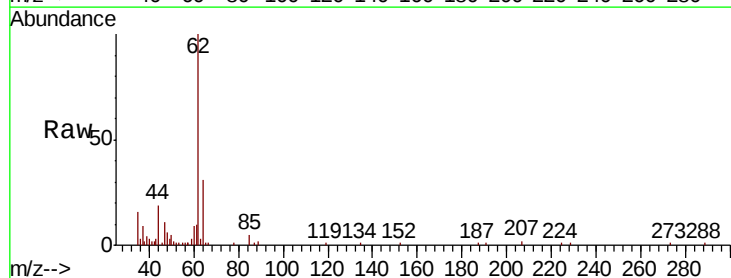
Acq: 3 Aug 2018 3:58

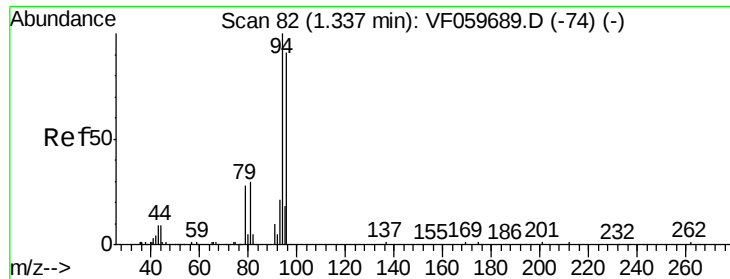
Tgt Ion: 62 Resp: 30189

Ion Ratio Lower Upper

62 100

64 31.1 22.6 33.8





#5

Bromomethane

Concen: 26.061 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

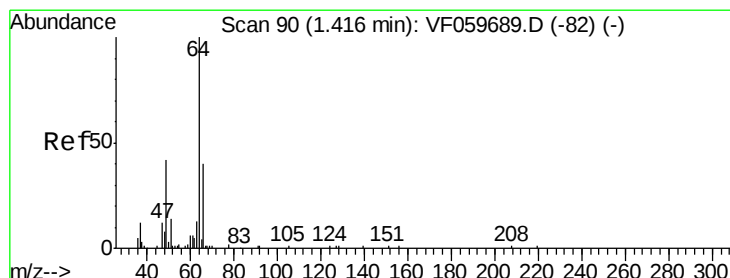
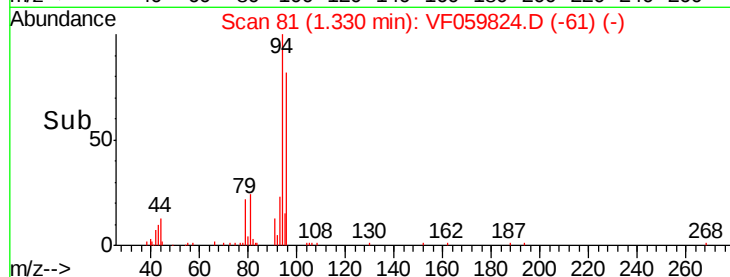
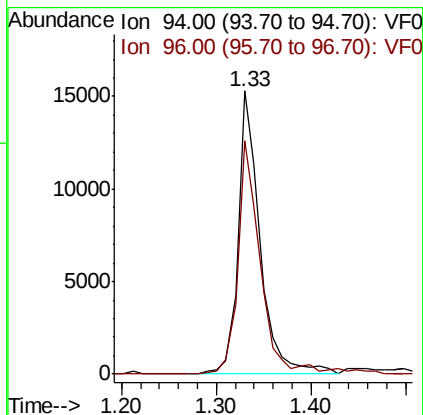
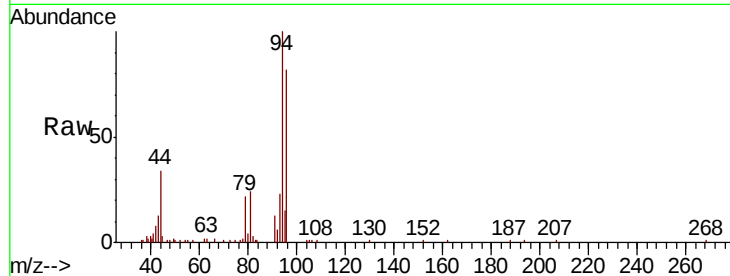
VF0802SBSD02

Tot Ion: 94 Resp: 24565

Ion Ratio Lower Upper

94 100

96 82.5 73.6 110.4



#6

Chloroethane

Concen: 22.251 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059824.D

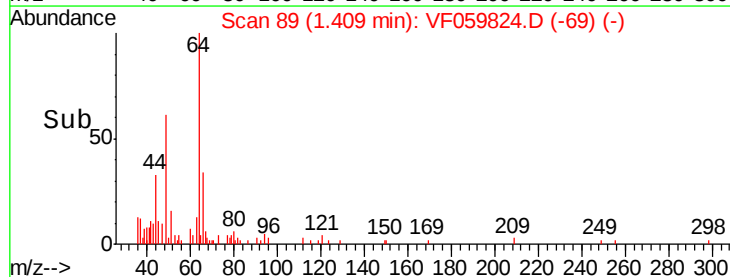
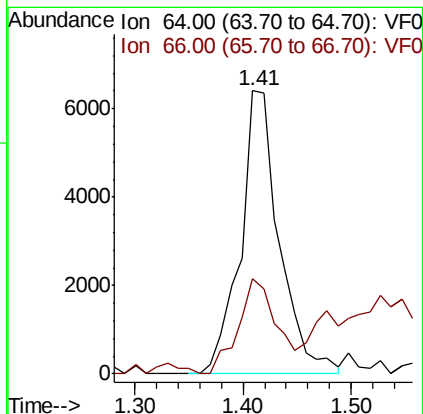
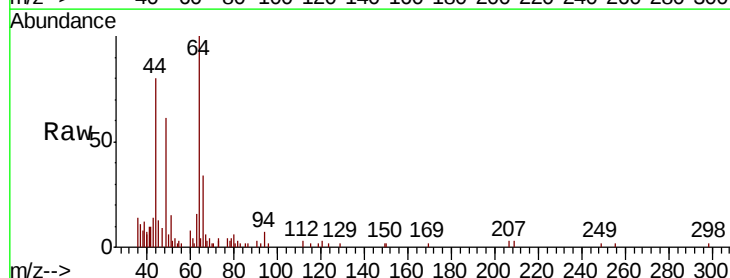
Acq: 3 Aug 2018 3:58

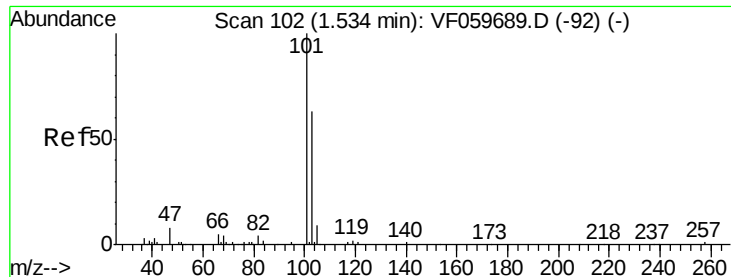
Tgt Ion: 64 Resp: 15988

Ion Ratio Lower Upper

64 100

66 33.9 32.6 49.0



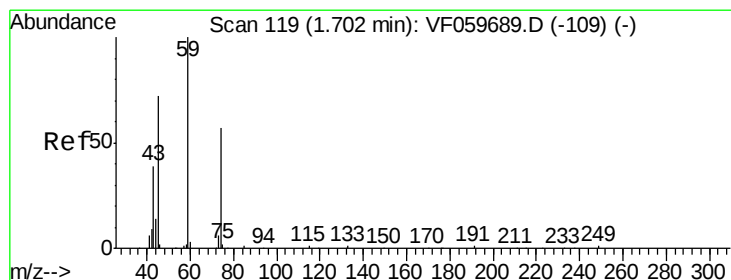
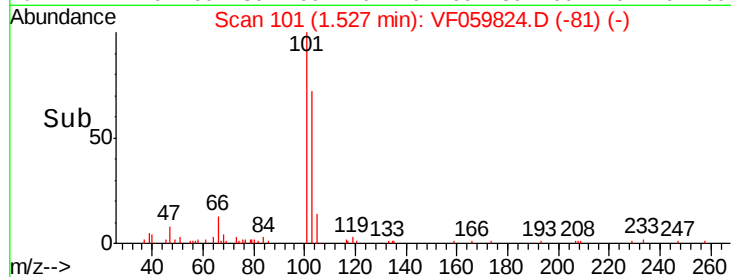
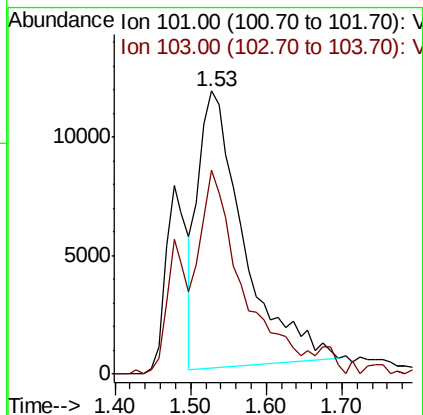
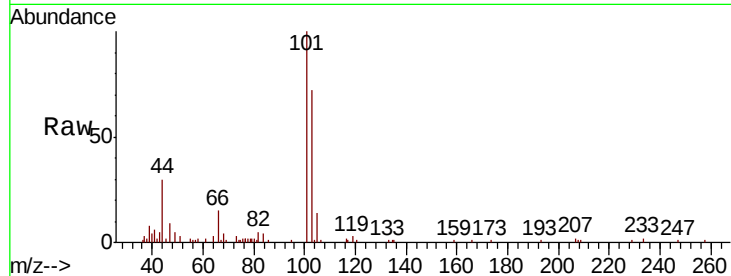


#7

Trichlorofluoromethane
Concen: 15.316 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

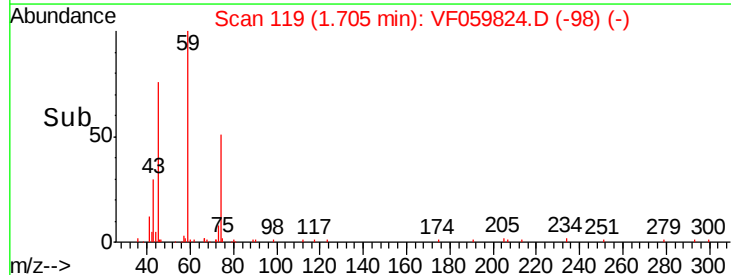
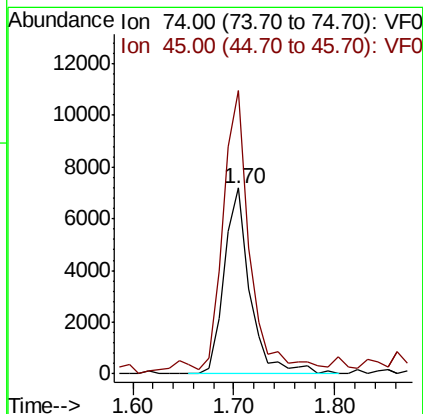
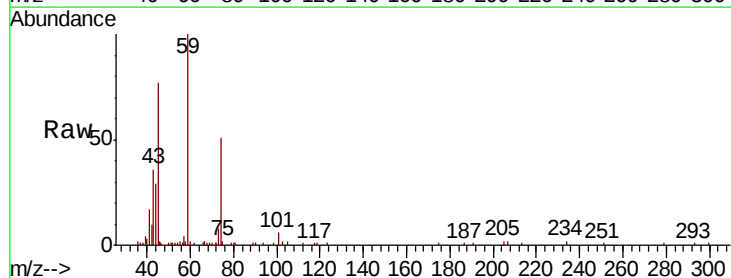
Tot Ion:101 Resp: 49176
Ion Ratio Lower Upper
101 100
103 72.1 50.8 76.2

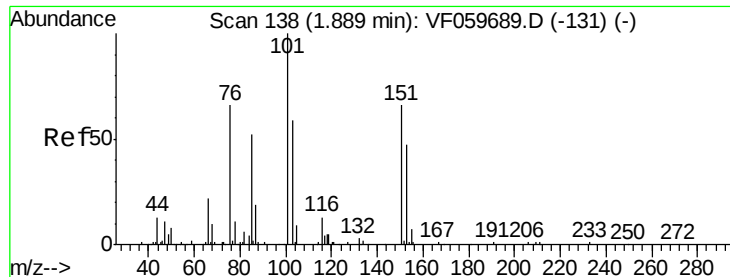


#8

Diethyl Ether
Concen: 23.361 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 74 Resp: 12825
Ion Ratio Lower Upper
74 100
45 152.6 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.777 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

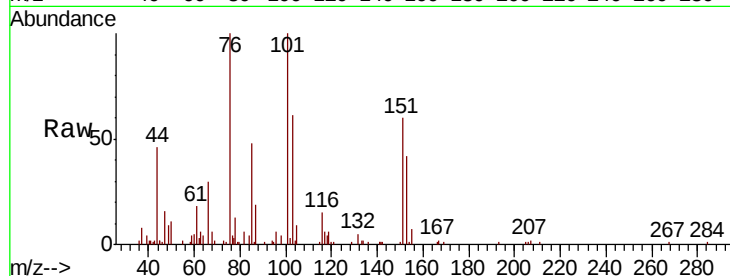
Tot Ion:101 Resp: 43346

Ion Ratio Lower Upper

101 100

85 48.3 40.7 61.1

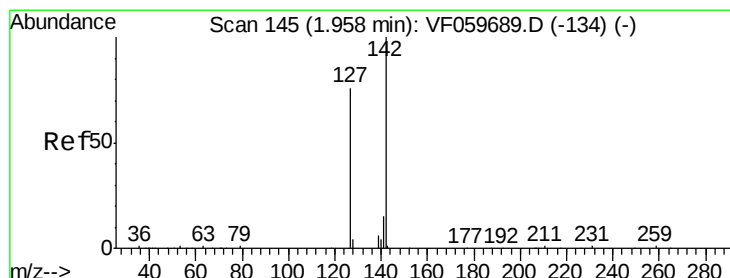
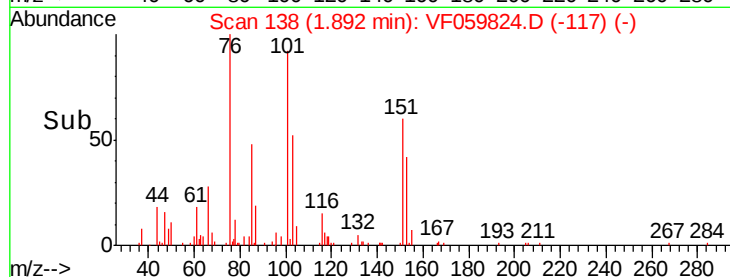
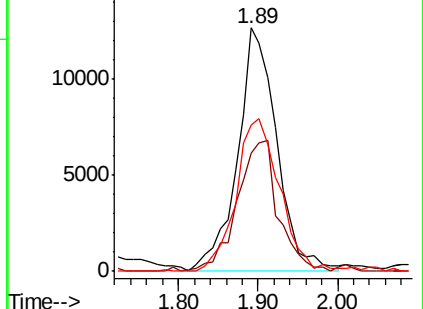
151 60.1 51.4 77.2



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: 26.126 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

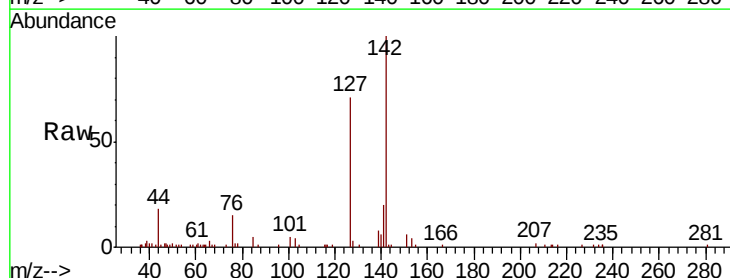
Tgt Ion:142 Resp: 66150

Ion Ratio Lower Upper

142 100

127 73.9 60.6 91.0

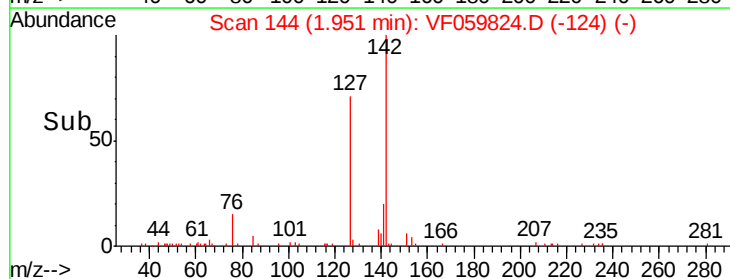
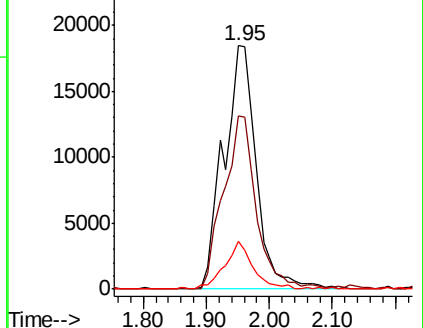
141 19.6 12.0 18.0#

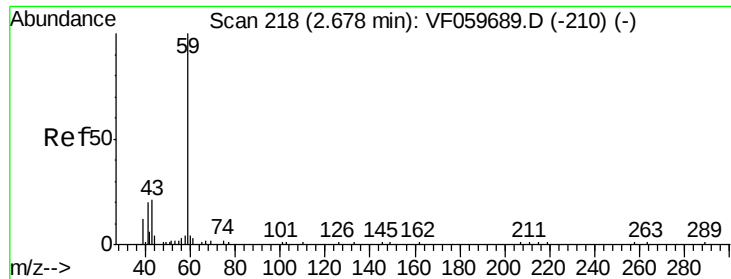


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



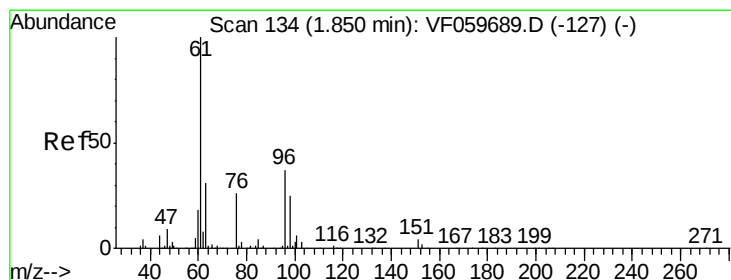
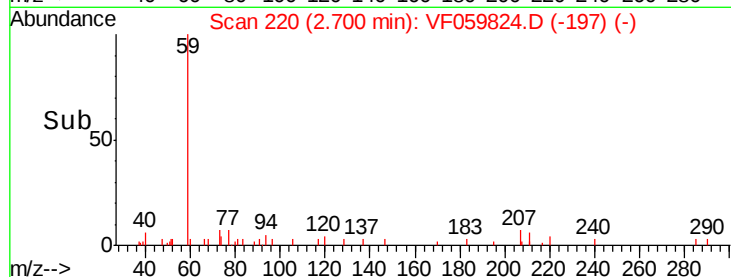
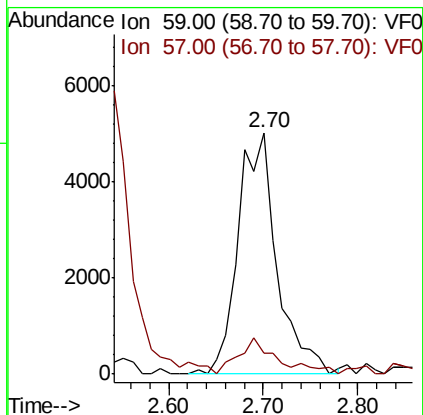
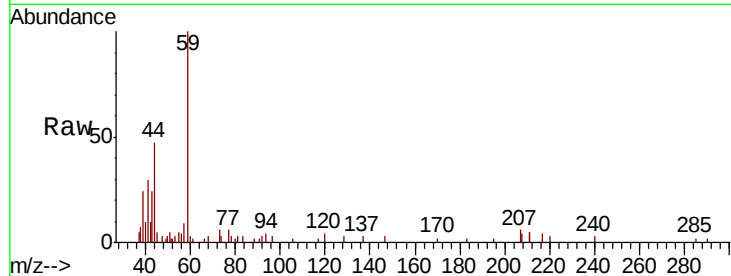


#11

Tert butyl alcohol
Concen: 113.753 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

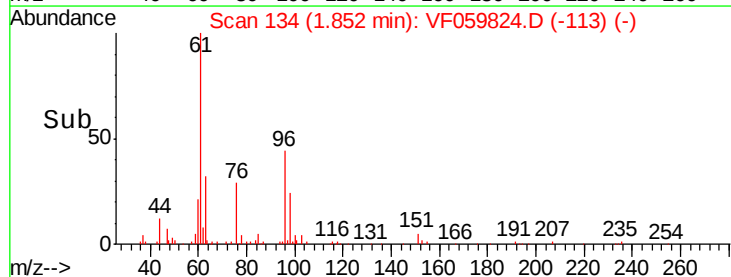
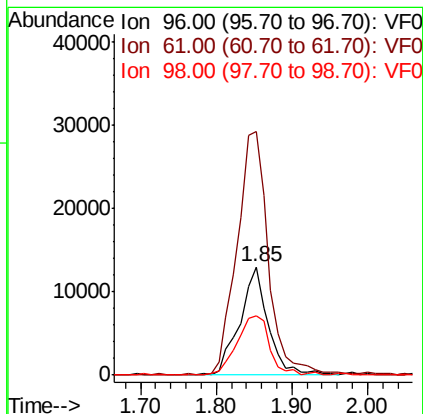
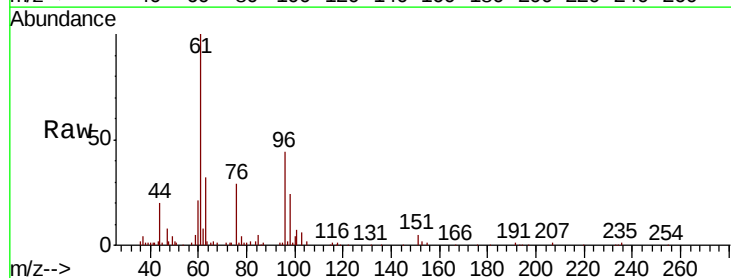
Tot Ion: 59 Resp: 14271
Ion Ratio Lower Upper
59 100
57 8.6 7.6 11.4

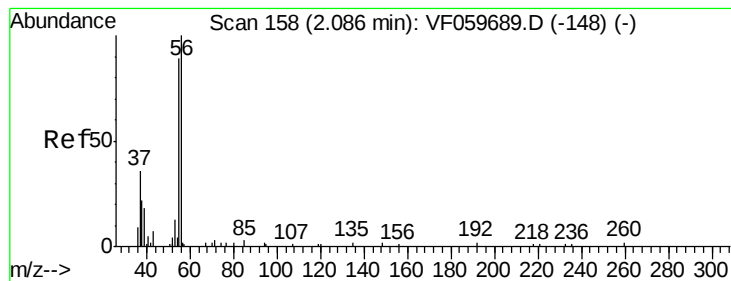


#12

1,1-Dichloroethene
Concen: 25.518 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 96 Resp: 33975
Ion Ratio Lower Upper
96 100
61 225.0 215.1 322.7
98 54.6 54.3 81.5





#13

Acrolein

Concen: 96.825 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

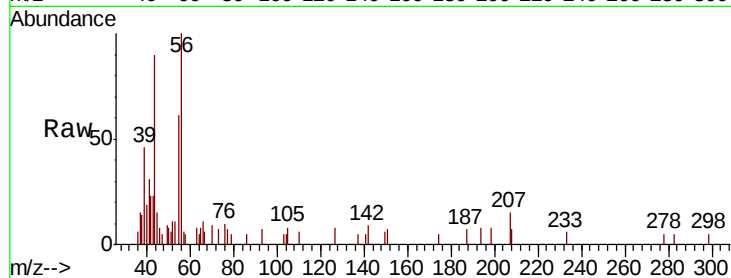
VF0802SBSD02

Tot Ion: 56 Resp: 5632

Ion Ratio Lower Upper

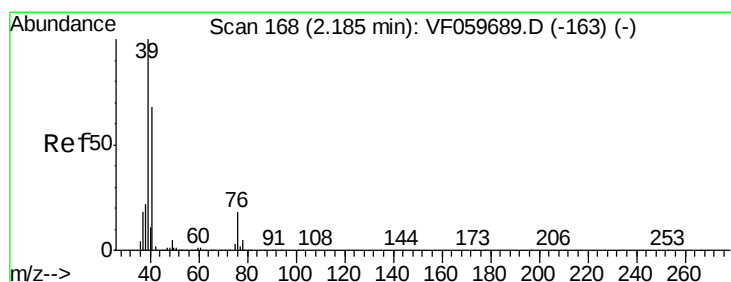
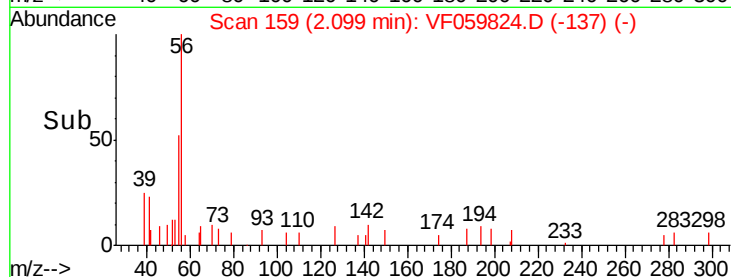
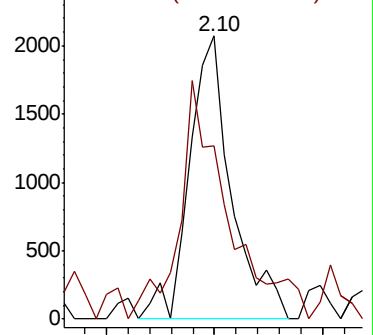
56 100

55 61.3 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 25.793 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

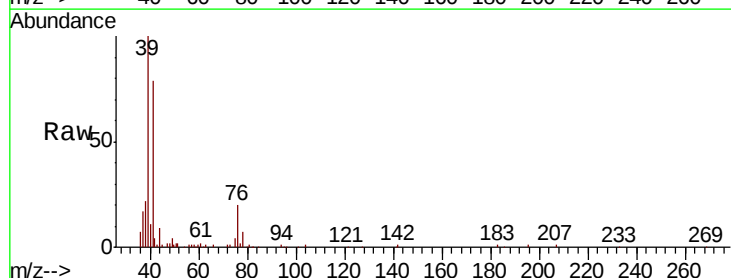
Tgt Ion: 41 Resp: 54829

Ion Ratio Lower Upper

41 100

39 126.6 118.1 177.1

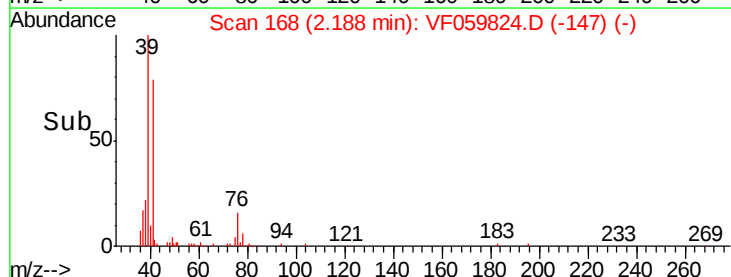
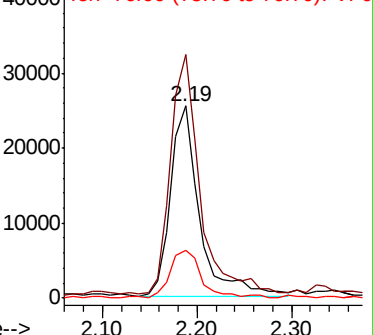
76 25.1 22.0 33.0

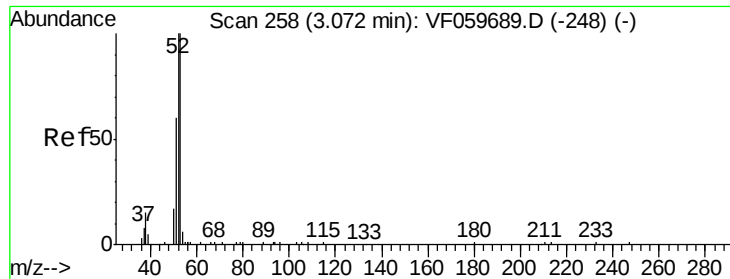


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 132.356 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

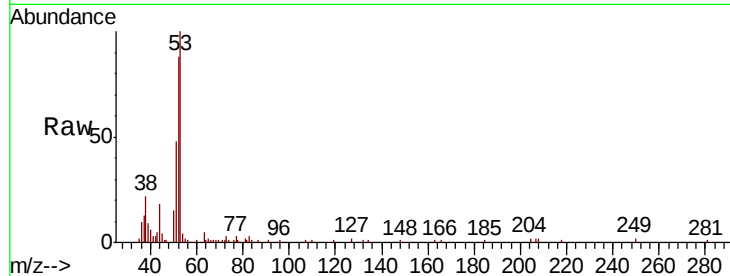
Tot Ion: 53 Resp: 26418

Ion Ratio Lower Upper

53 100

52 87.7 80.3 120.5

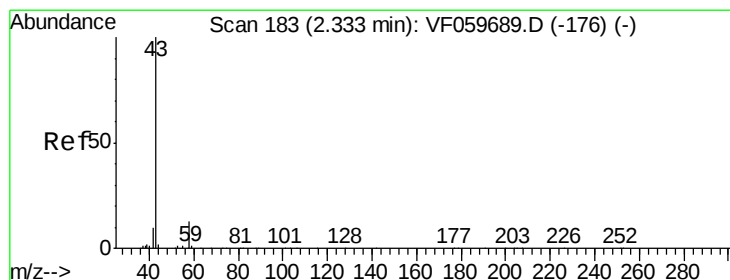
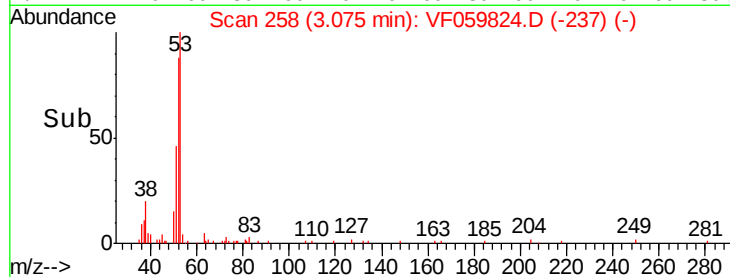
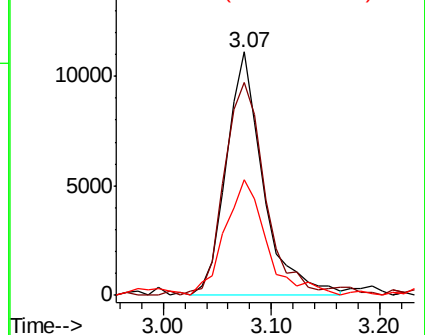
51 47.6 49.4 74.0#



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: 96.424 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059824.D

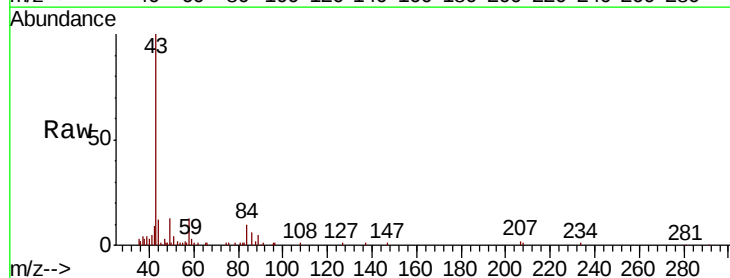
Acq: 3 Aug 2018 3:58

Tgt Ion: 43 Resp: 53590

Ion Ratio Lower Upper

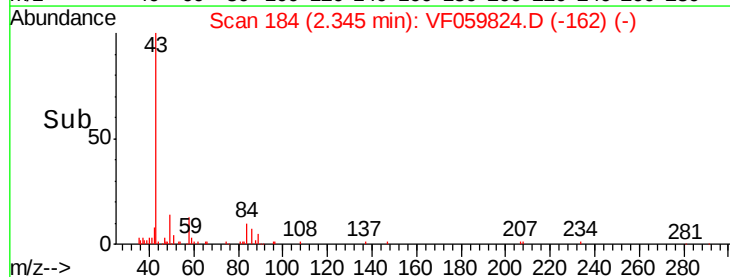
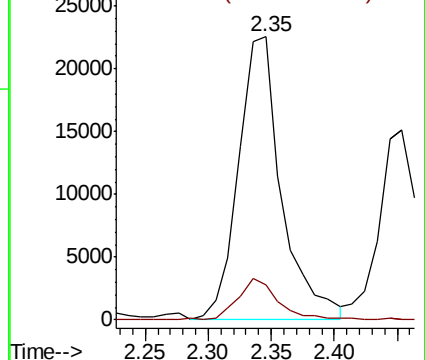
43 100

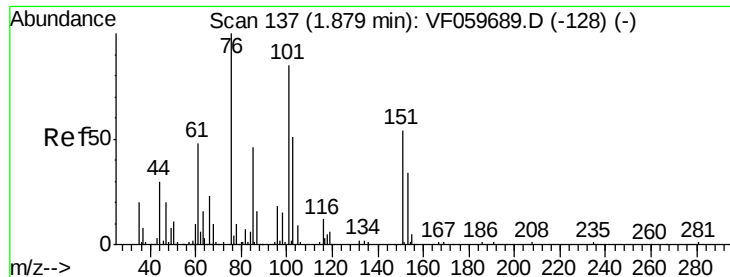
58 12.6 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

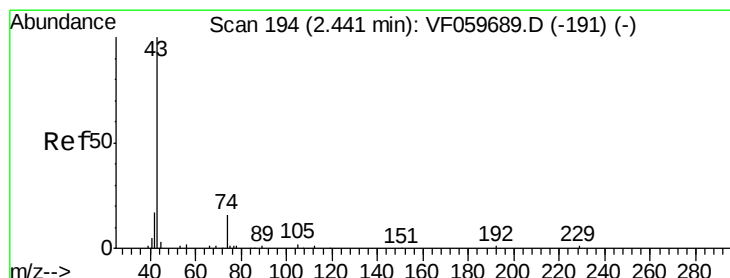
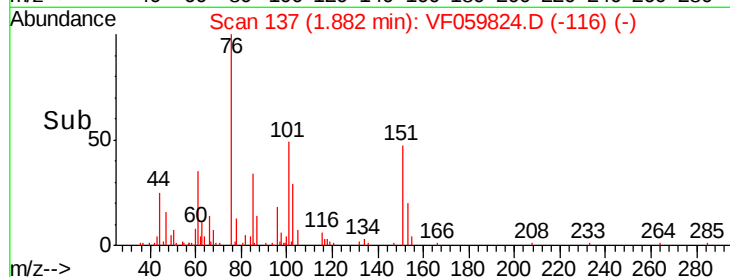
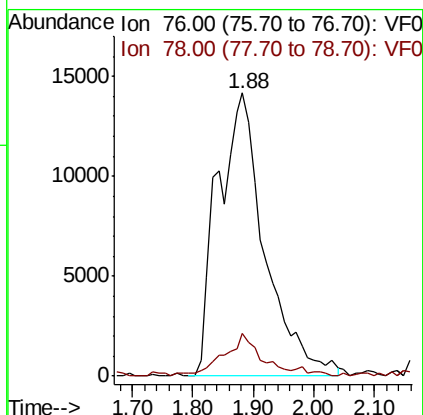
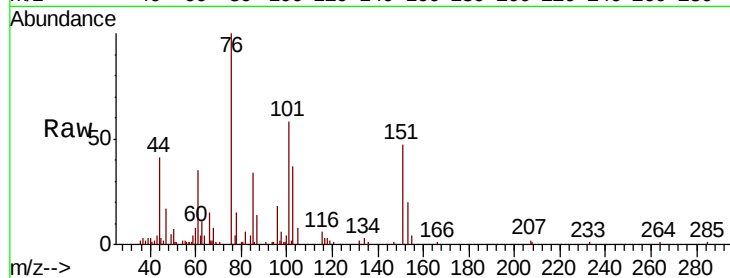




#17
Carbon Disulfide
Concen: 25.365 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

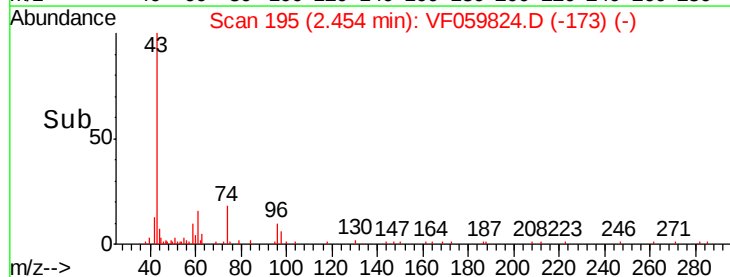
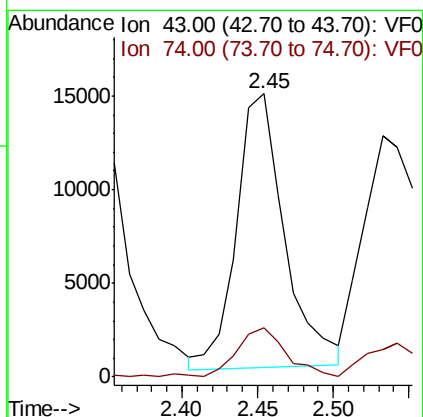
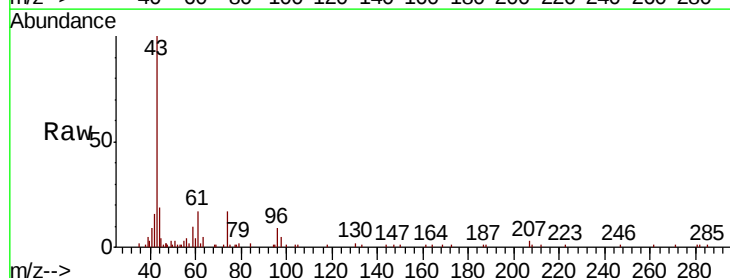
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

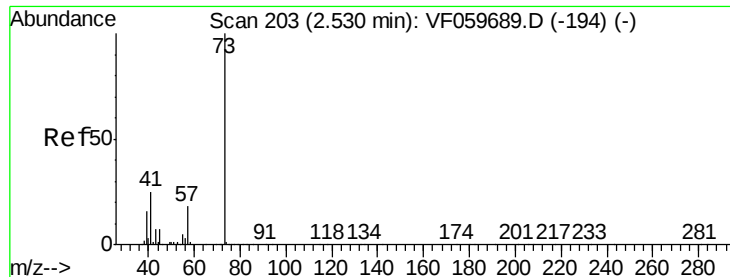
Tot Ion: 76 Resp: 76486
Ion Ratio Lower Upper
76 100
78 14.9 8.9 13.3#



#18
Methyl Acetate
Concen: 36.439 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 43 Resp: 32596
Ion Ratio Lower Upper
43 100
74 17.3 11.8 17.6



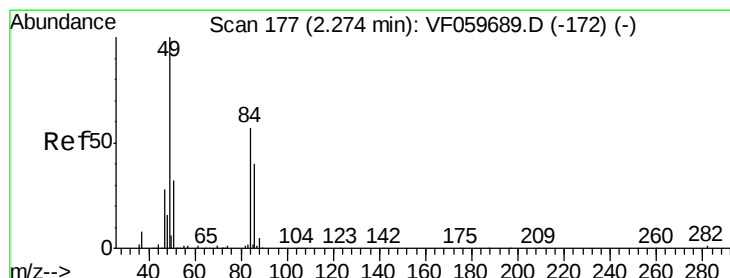
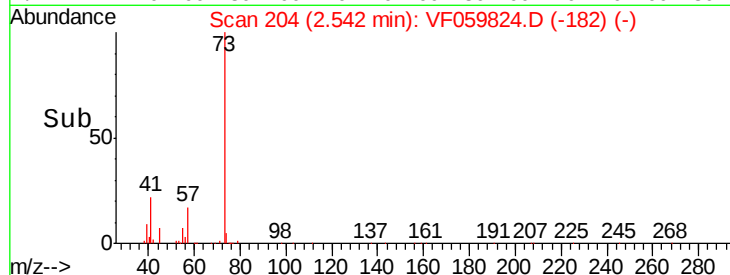
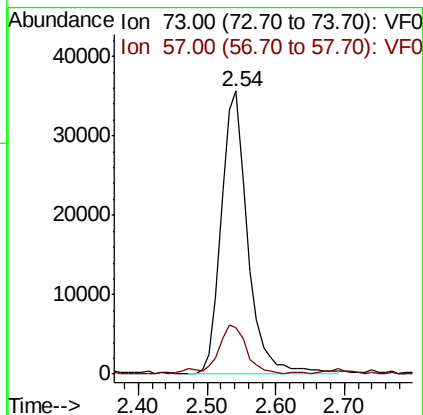
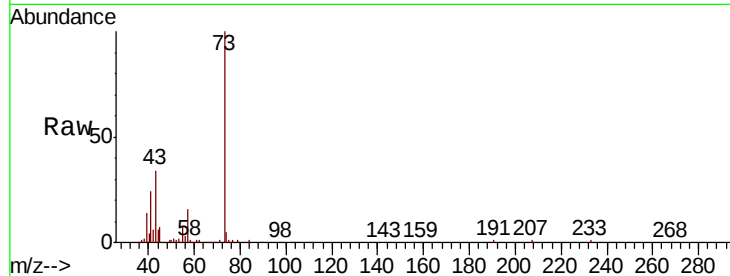


#19

Methyl tert-butyl Ether
 Concen: 23.417 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

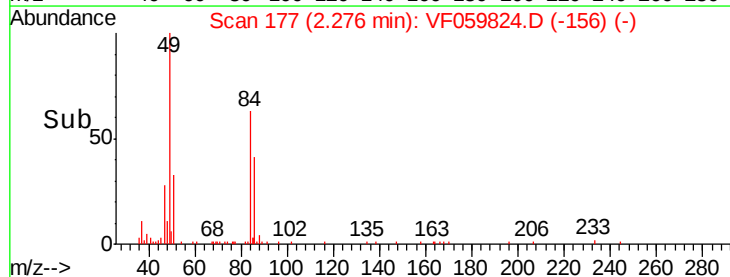
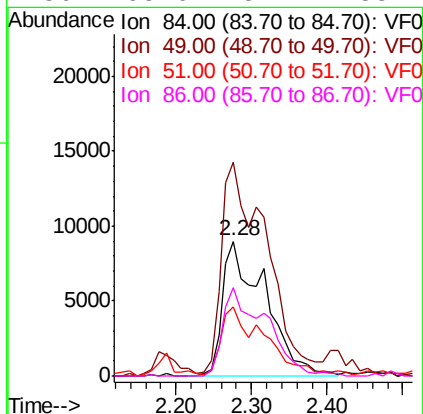
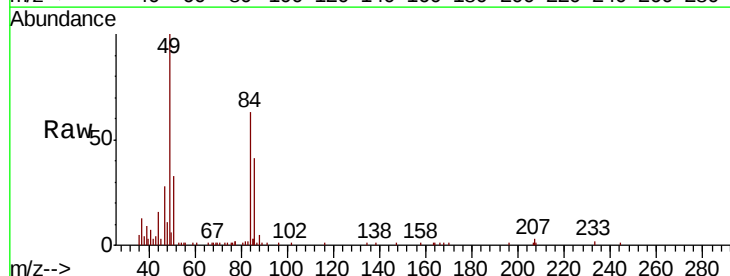
Tot Ion: 73 Resp: 95078
 Ion Ratio Lower Upper
 73 100
 57 16.5 14.2 21.2

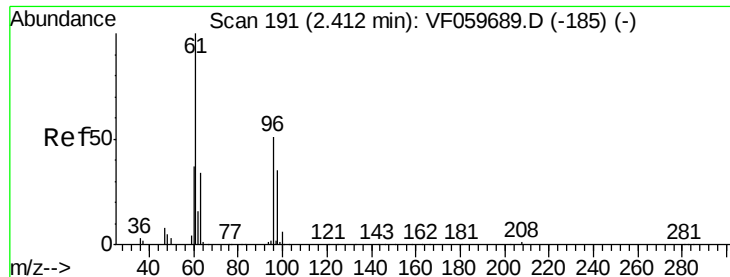


#20

Methylene Chloride
 Concen: 25.328 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion: 84 Resp: 34942
 Ion Ratio Lower Upper
 84 100
 49 158.2 142.2 213.4
 51 51.4 46.2 69.2
 86 65.6 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 26.485 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

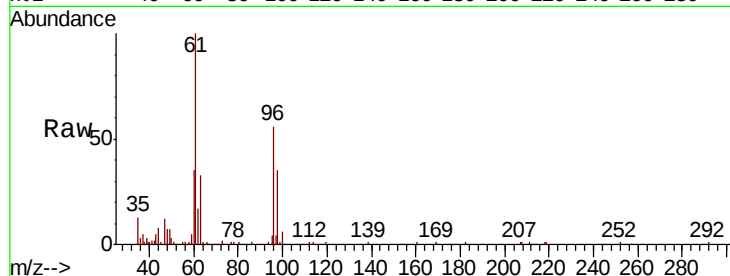
Tot Ion: 96 Resp: 32266

Ion Ratio Lower Upper

96 100

61 179.9 157.4 236.0

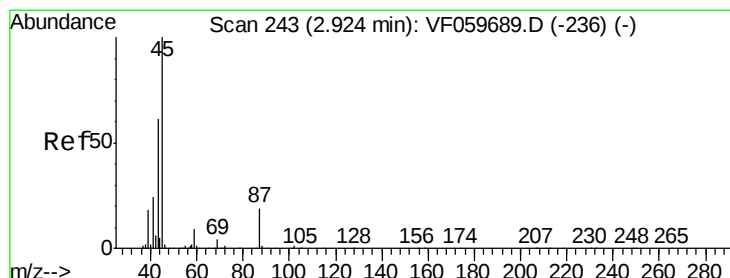
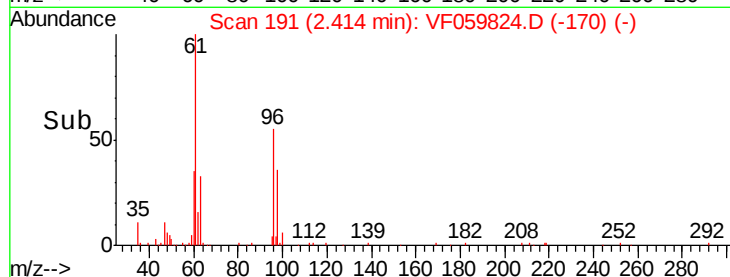
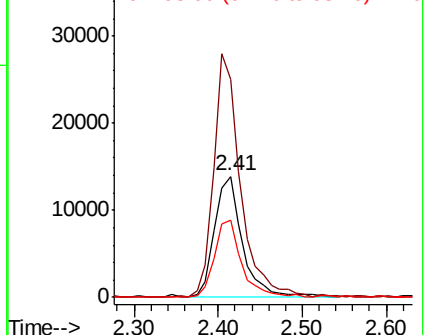
98 63.5 55.0 82.4



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: 24.378 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion: 45 Resp: 109589

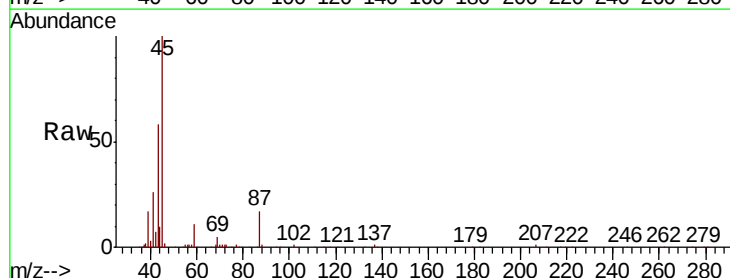
Ion Ratio Lower Upper

45 100

43 57.5 49.3 73.9

87 17.4 15.3 22.9

59 10.8 7.1 10.7#

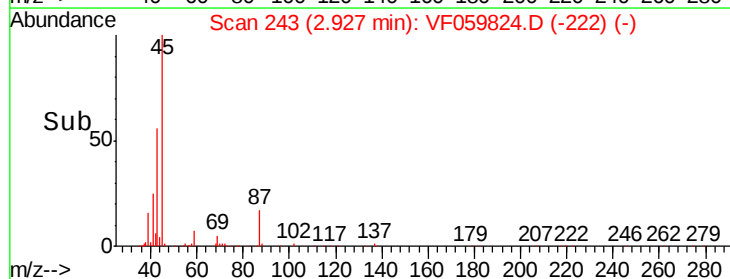
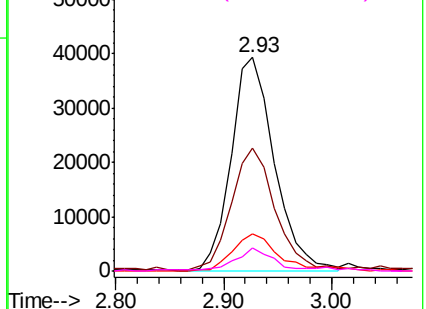


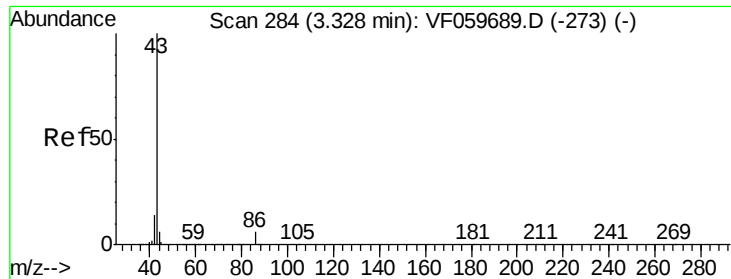
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

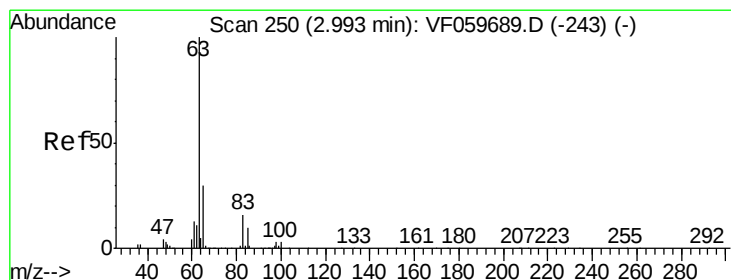
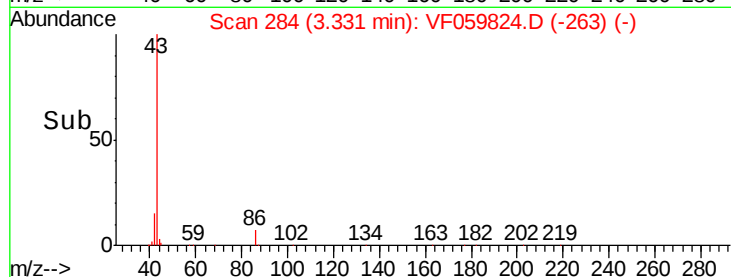
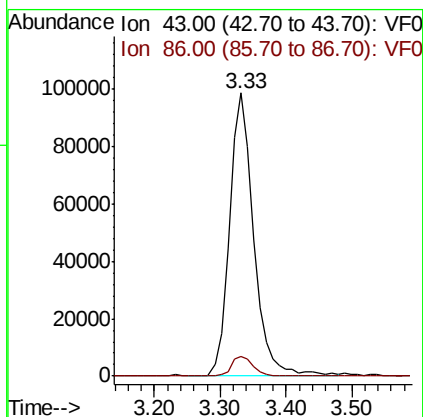
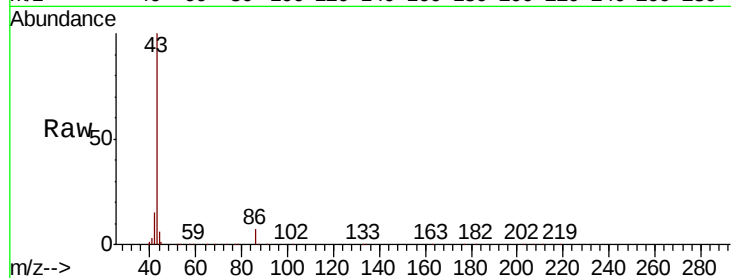




#23
 Vinyl Acetate
 Concen: 109.729 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

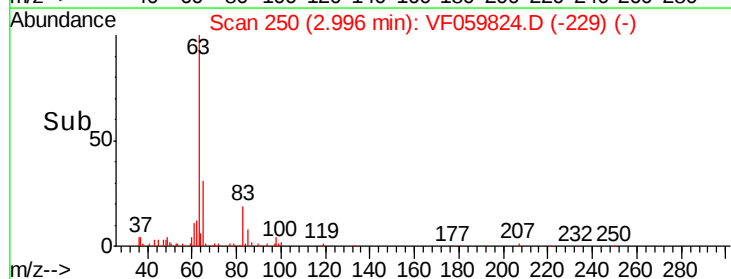
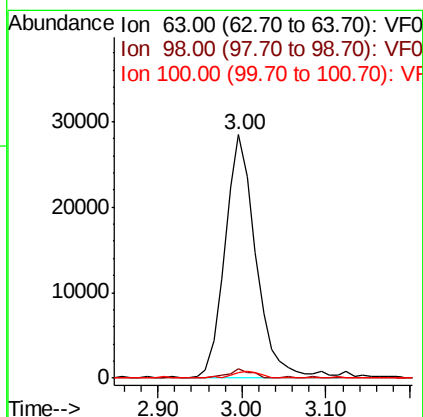
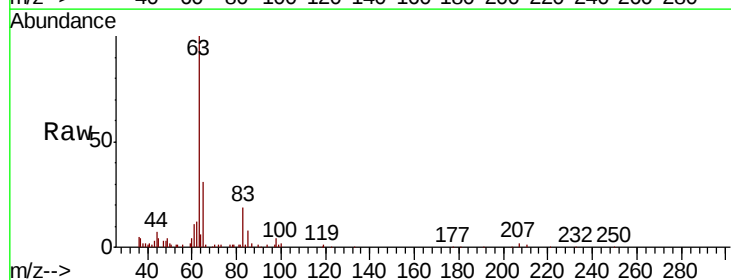
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

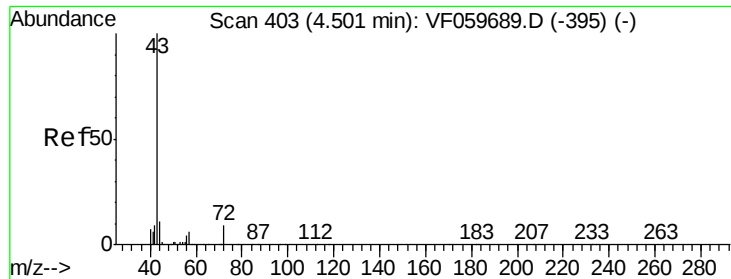
Tot Ion: 43 Resp: 253604
 Ion Ratio Lower Upper
 43 100
 86 6.9 4.6 6.8#



#24
 1,1-Dichloroethane
 Concen: 23.329 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion: 63 Resp: 72860
 Ion Ratio Lower Upper
 63 100
 98 3.7 1.4 4.2
 100 2.2 1.6 4.7

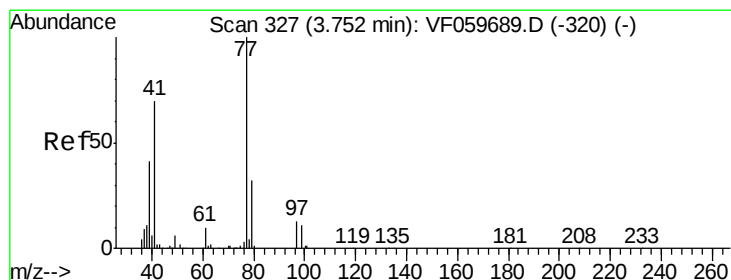
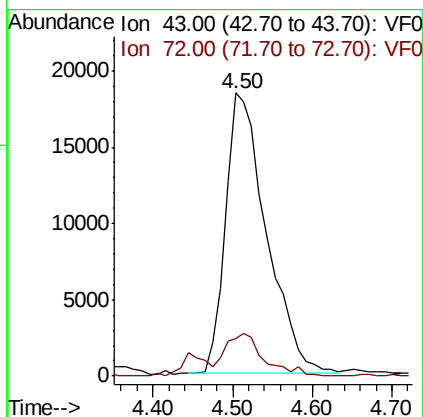
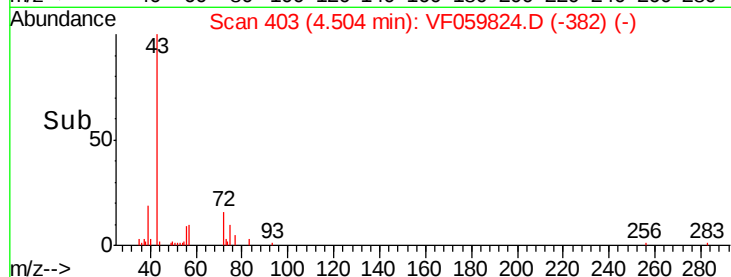
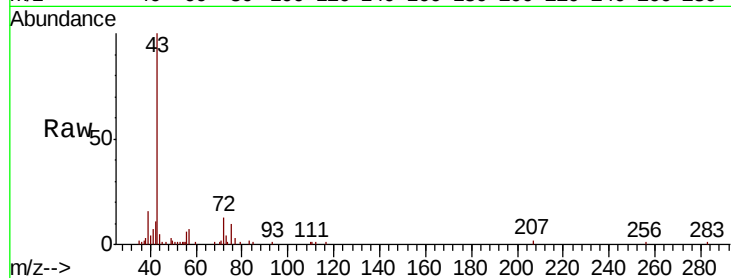




#25
2-Butanone
Concen: 106.558 ug/l
RT: 4.50 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

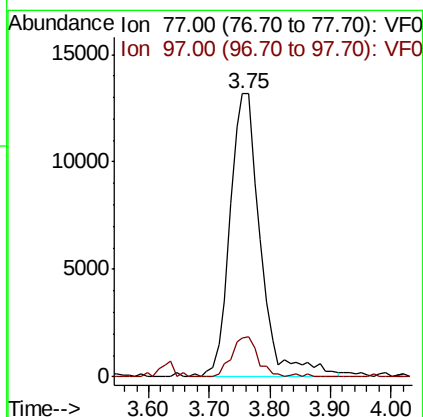
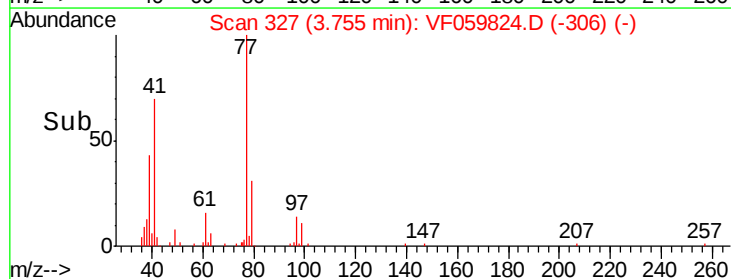
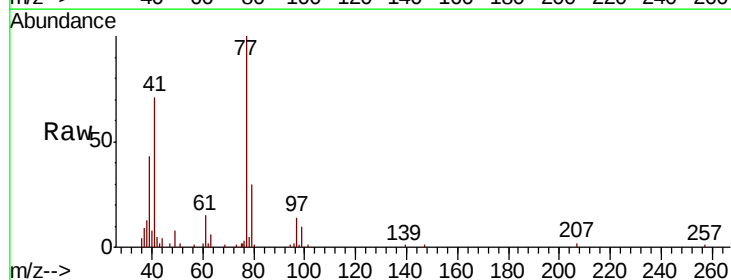
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

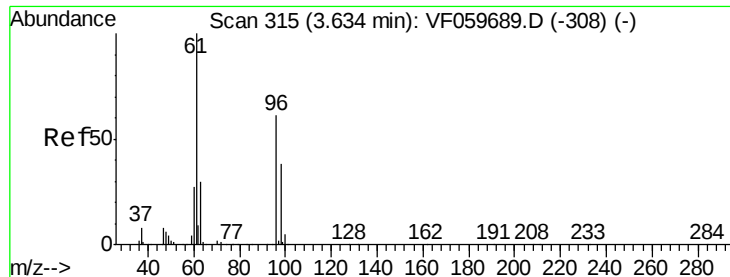
Tot Ion: 43 Resp: 66092
Ion Ratio Lower Upper
43 100
72 13.5 7.7 11.5#



#26
2,2-Dichloropropane
Concen: 20.808 ug/l
RT: 3.75 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 77 Resp: 46328
Ion Ratio Lower Upper
77 100
97 13.7 6.8 20.4



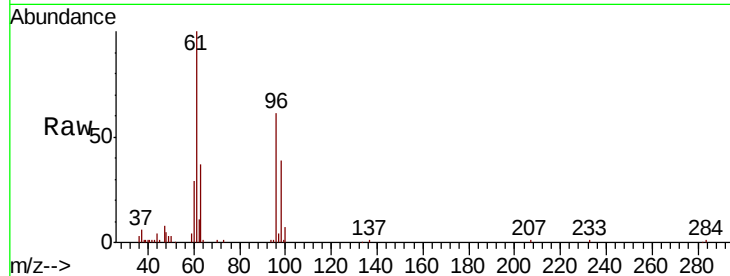


#27

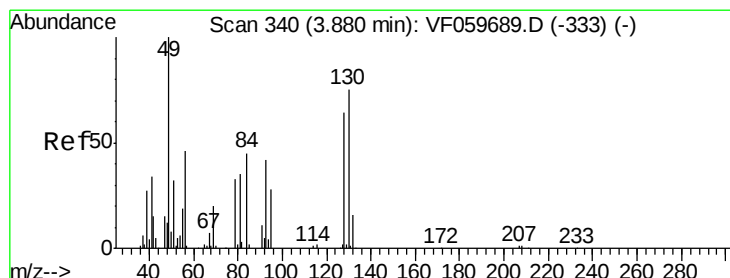
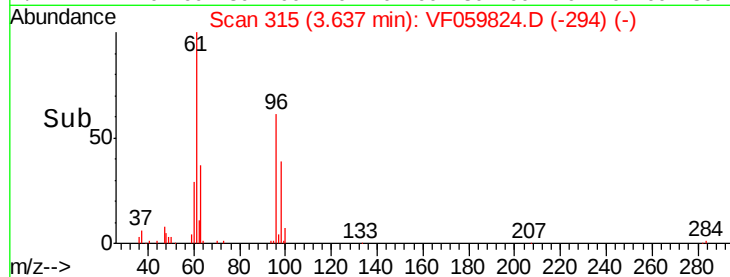
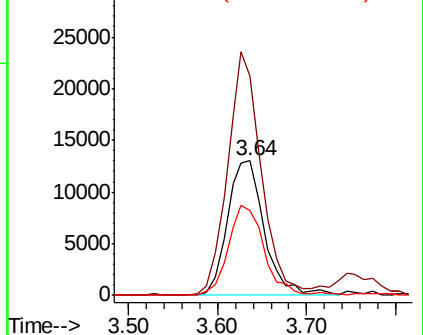
cis-1,2-Dichloroethene
 Concen: 22.495 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	326.8
98	63.0	0.0	125.2



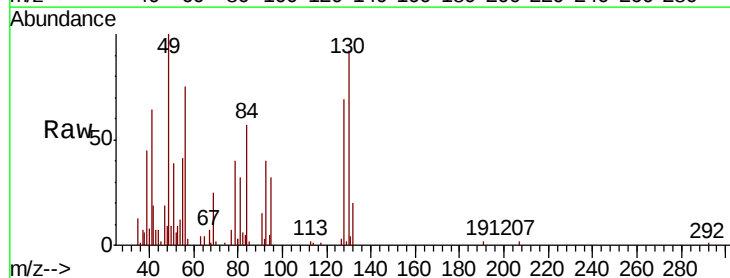
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



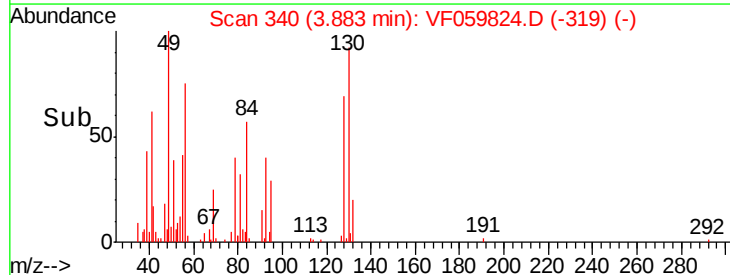
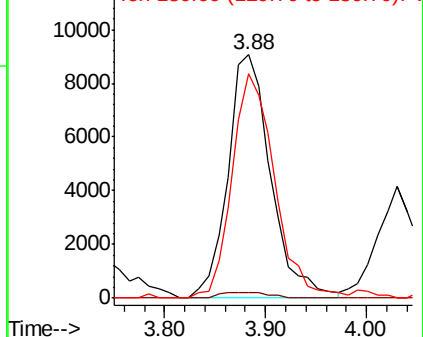
#28

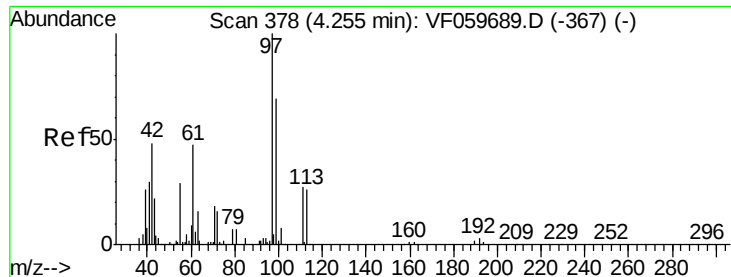
Bromochloromethane
 Concen: 22.085 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	92.1	59.6	89.4#



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

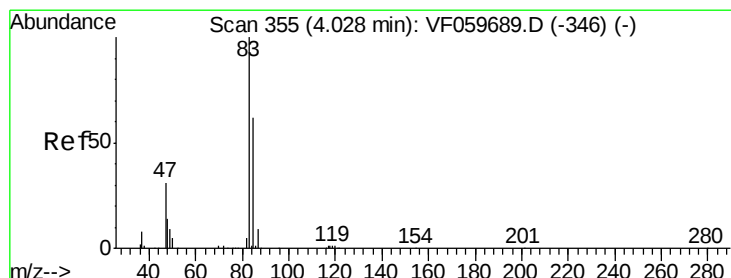
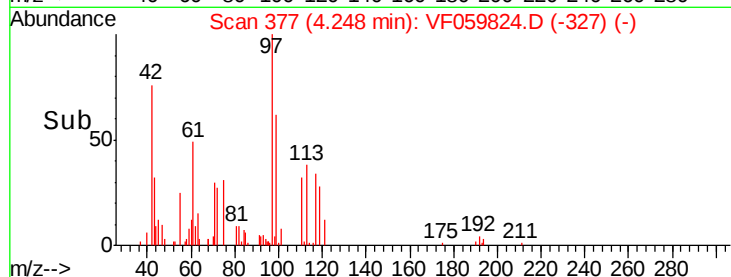
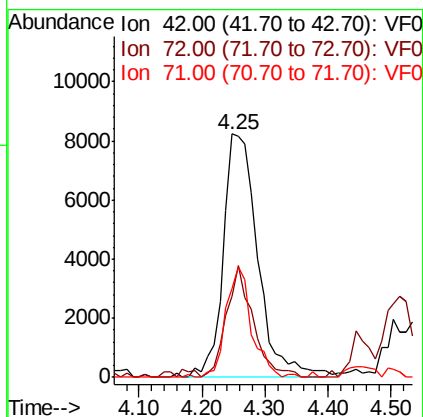
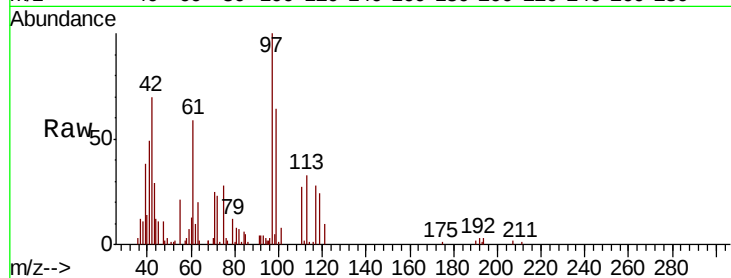




#29
Tetrahydrofuran
Concen: 131.484 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

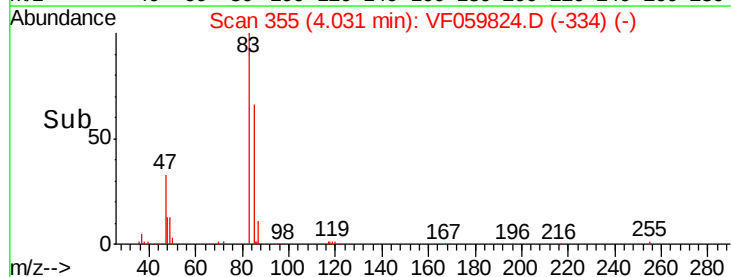
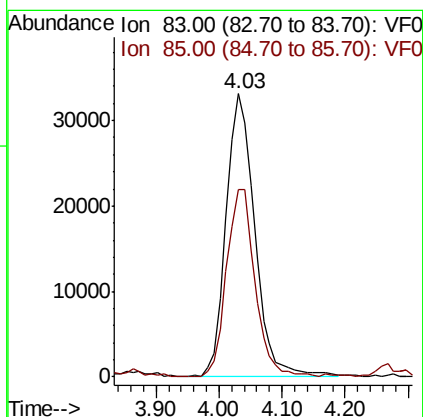
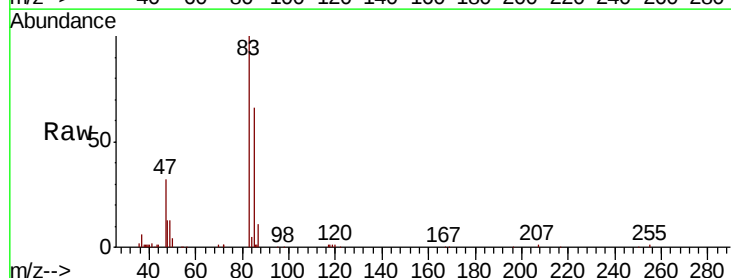
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

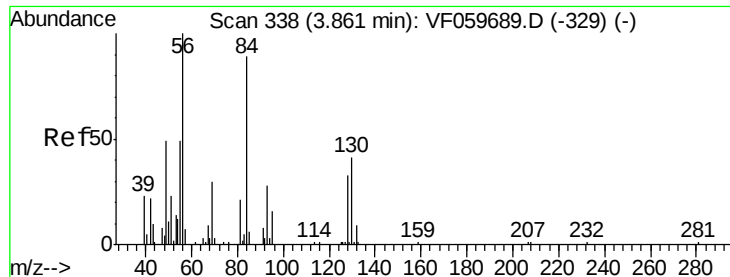
Tot Ion: 42 Resp: 31344
Ion Ratio Lower Upper
42 100
72 35.5 27.0 40.6
71 33.1 29.7 44.5



#30
Chloroform
Concen: 23.720 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 83 Resp: 104557
Ion Ratio Lower Upper
83 100
85 66.0 49.4 74.0





#31

Cyclohexane

Concen: 26.299 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

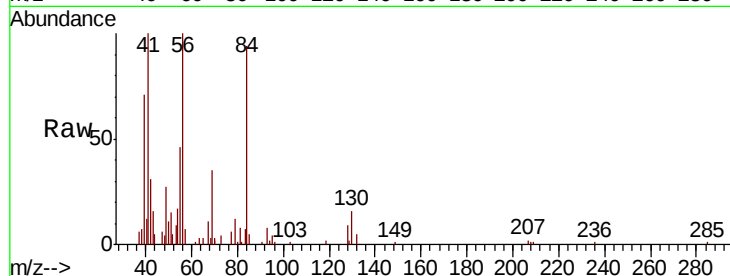
Tot Ion: 56 Resp: 42767

Ion Ratio Lower Upper

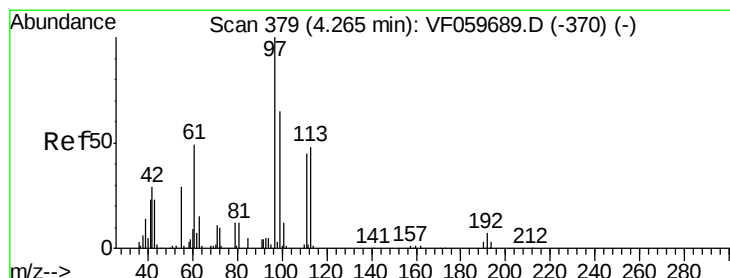
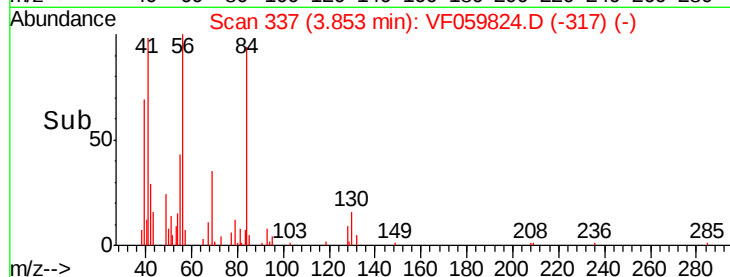
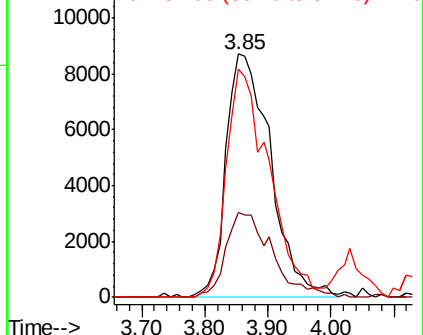
56 100

69 34.8 23.7 35.5

84 93.9 71.1 106.7



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 23.729 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

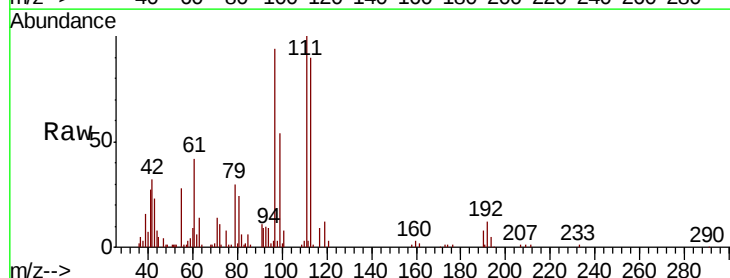
Tgt Ion: 97 Resp: 81133

Ion Ratio Lower Upper

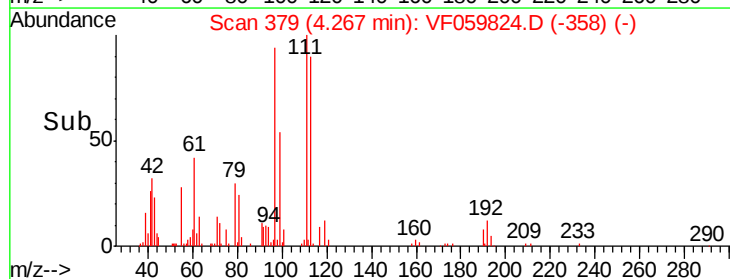
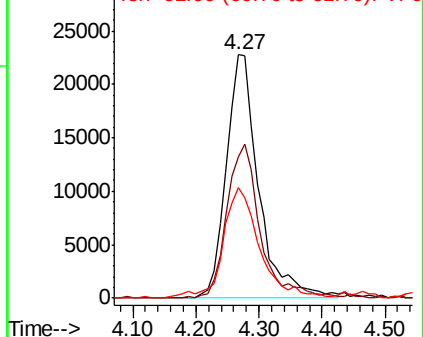
97 100

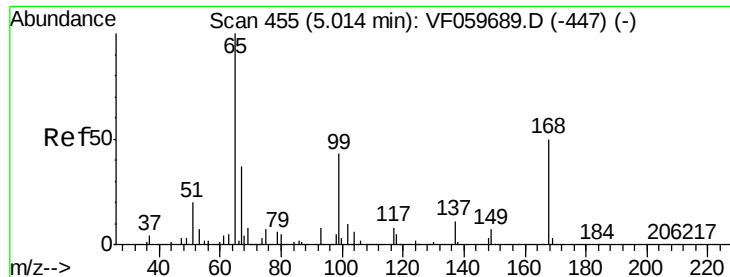
99 58.0 52.4 78.6

61 45.3 39.7 59.5



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

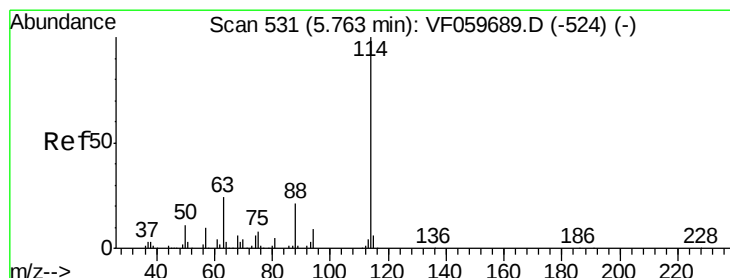
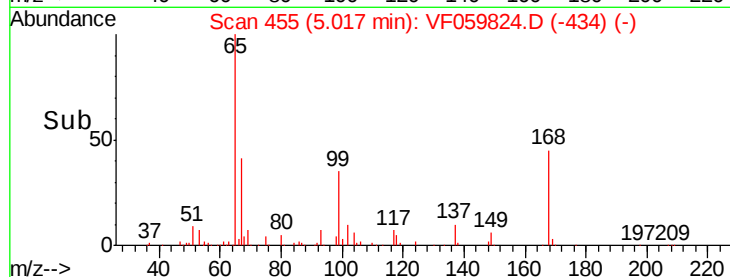
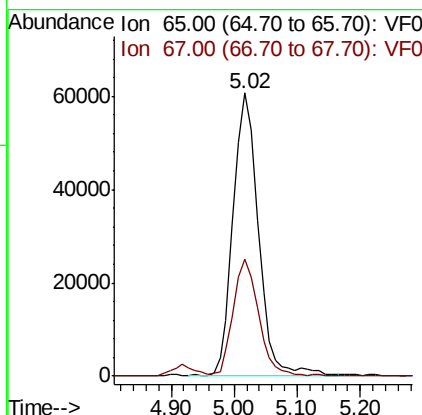
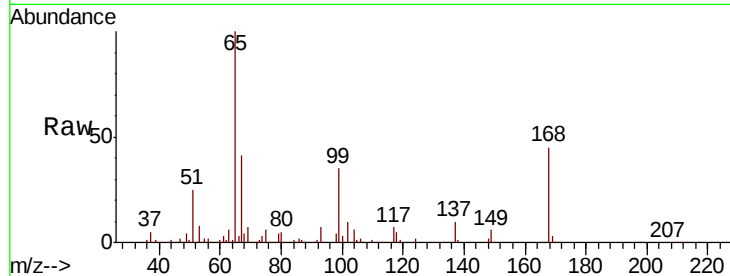




#33
 1,2-Dichloroethane-d4
 Concen: 54.964 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

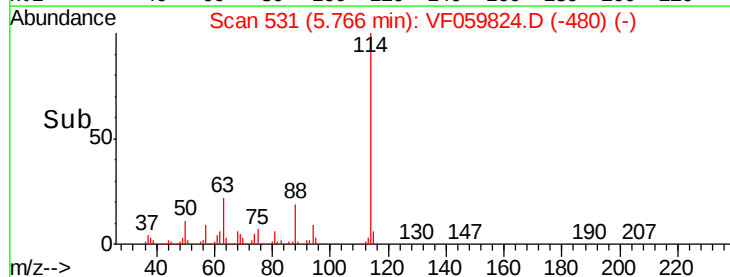
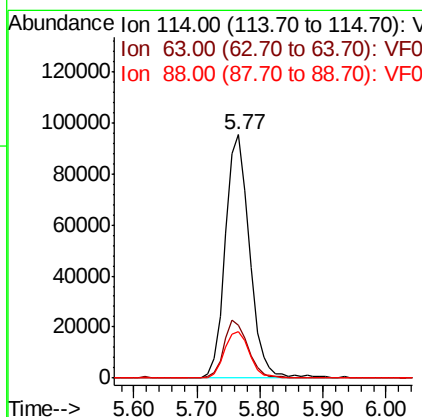
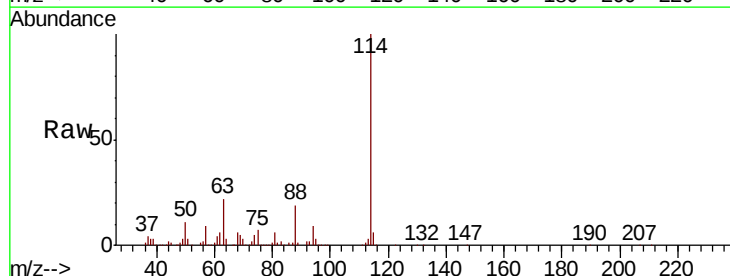
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

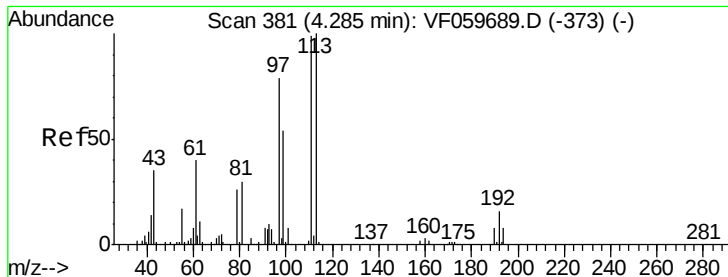
Tot Ion: 65 Resp: 169829
 Ion Ratio Lower Upper
 65 100
 67 41.4 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion: 114 Resp: 254551
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 47.4
 88 19.2 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.915 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

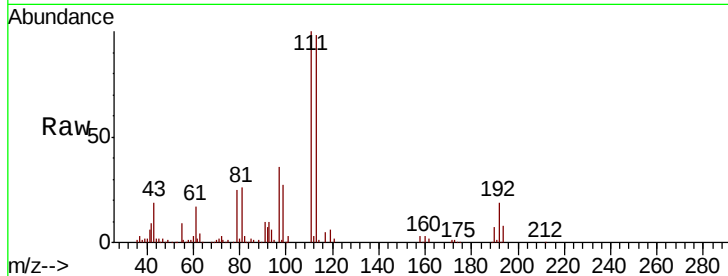
Tot Ion:113 Resp: 134613

Ion Ratio Lower Upper

113 100

111 101.5 79.0 118.4

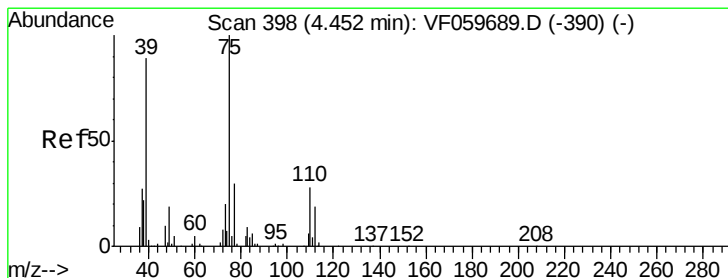
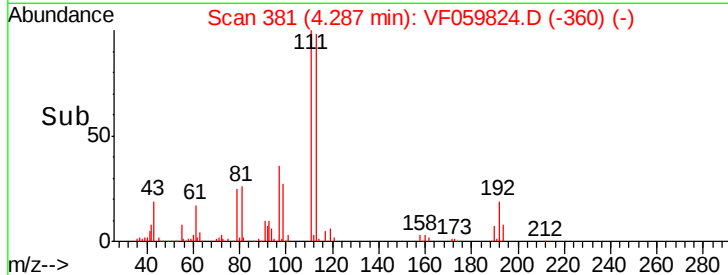
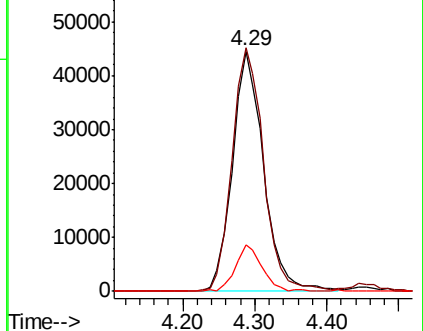
192 19.6 13.2 19.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.602 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

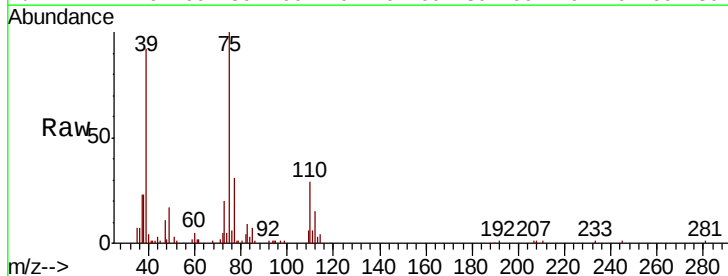
Tgt Ion: 75 Resp: 59079

Ion Ratio Lower Upper

75 100

110 29.5 14.0 41.9

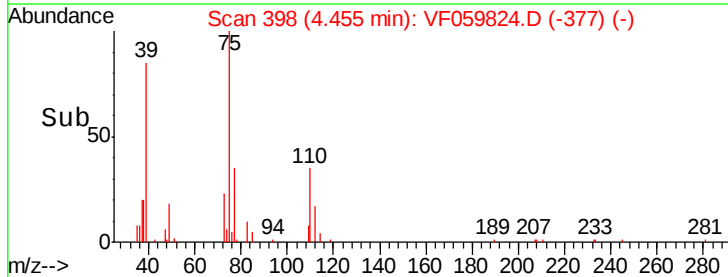
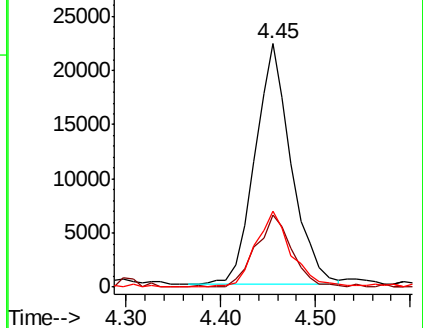
77 31.0 24.2 36.2

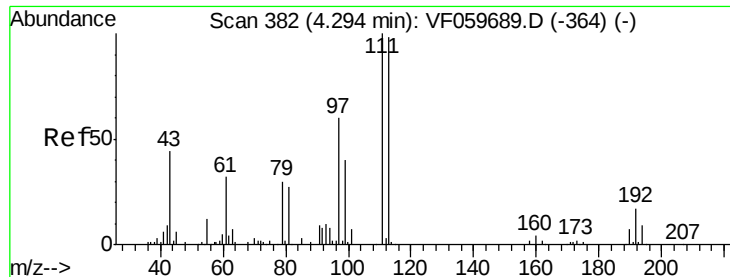


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

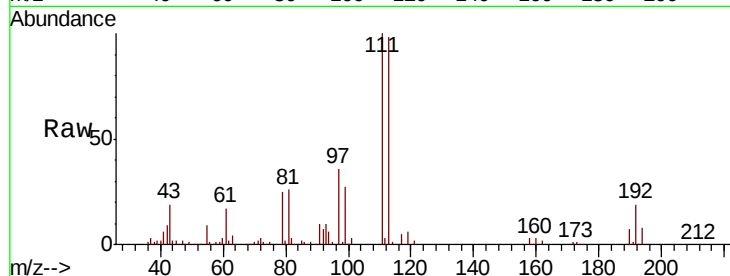




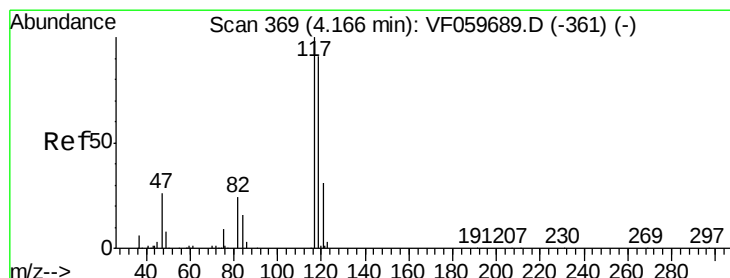
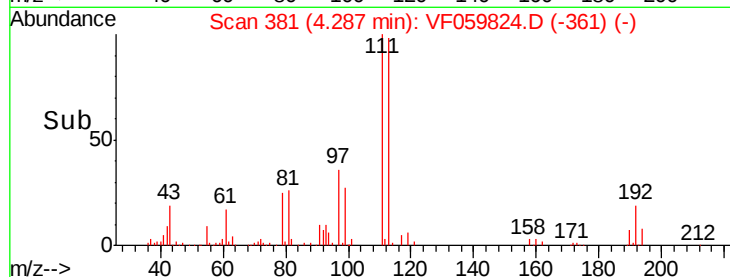
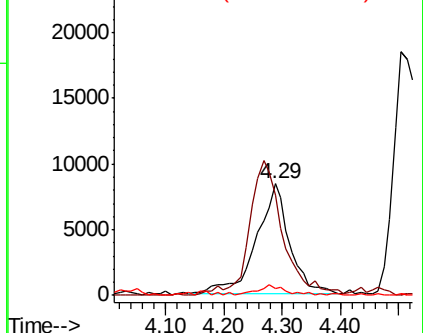
#37
Ethyl Acetate
Concen: 23.801 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion: 43 Resp: 33320
Ion Ratio Lower Upper
43 100
61 90.1 58.2 87.2#
70 5.7 6.0 9.0#

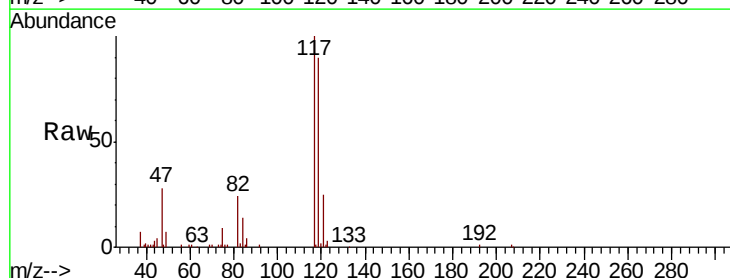


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

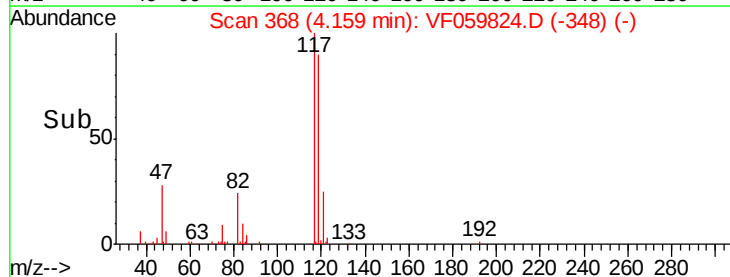
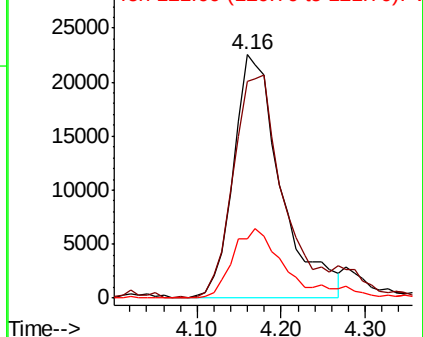


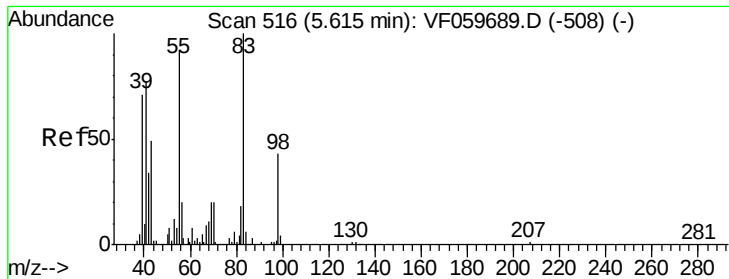
#38
Carbon Tetrachloride
Concen: 21.959 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 117 Resp: 88874
Ion Ratio Lower Upper
117 100
119 88.9 72.9 109.3
121 24.6 25.0 37.4#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

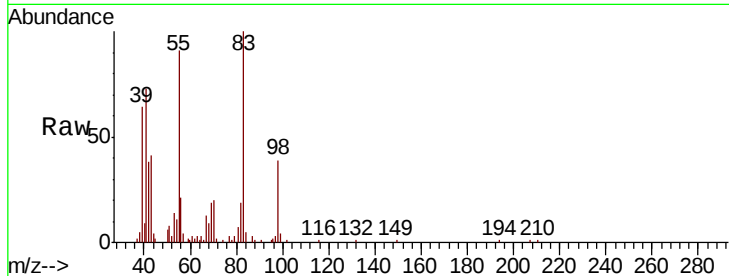




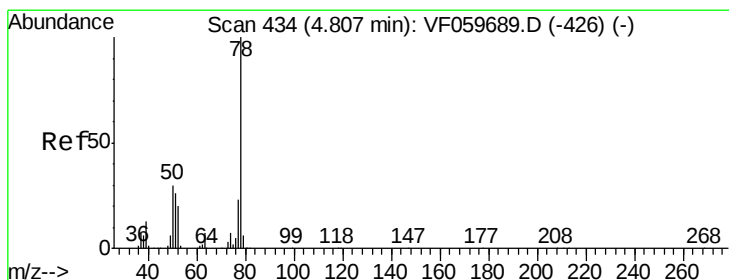
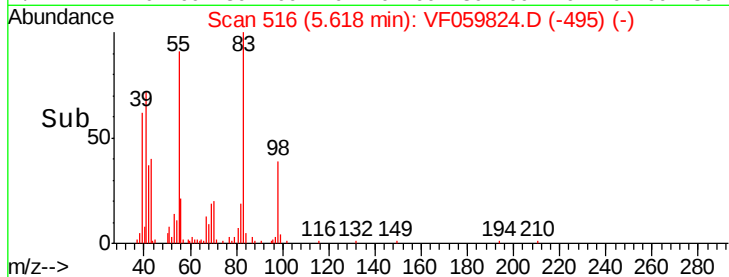
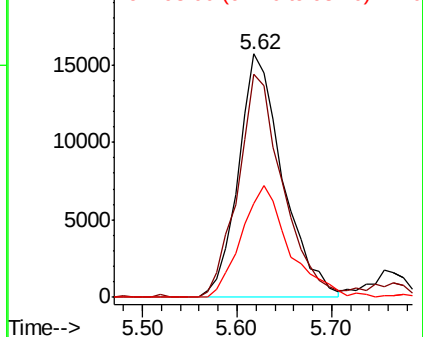
#39
Methvlcvclohexane
Concen: 23.740 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion: 83 Resp: 51124
Ion Ratio Lower Upper
83 100
55 91.4 73.4 110.2
98 38.8 34.2 51.4

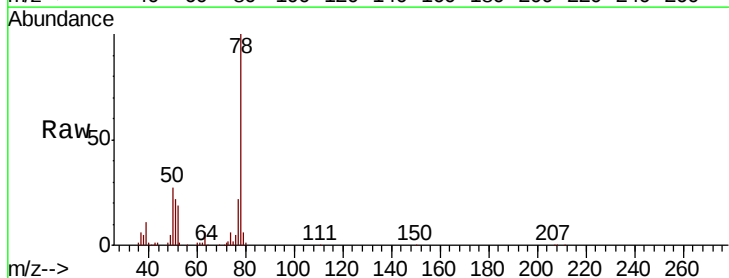


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

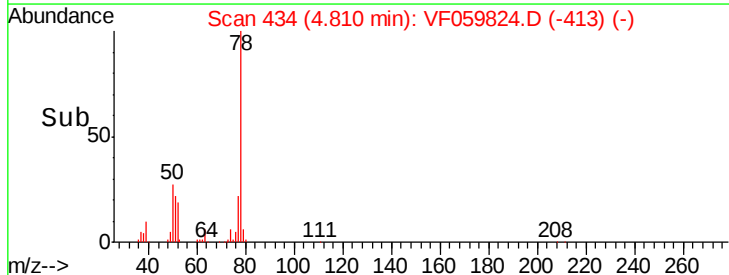
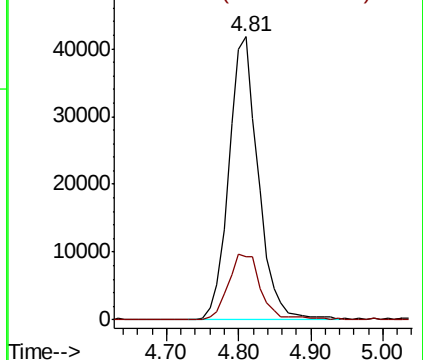


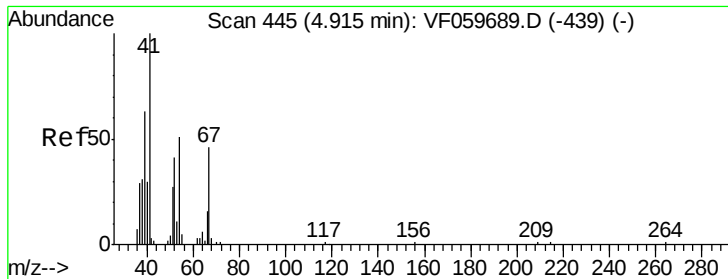
#40
Benzene
Concen: 23.067 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 78 Resp: 118578
Ion Ratio Lower Upper
78 100
77 22.3 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

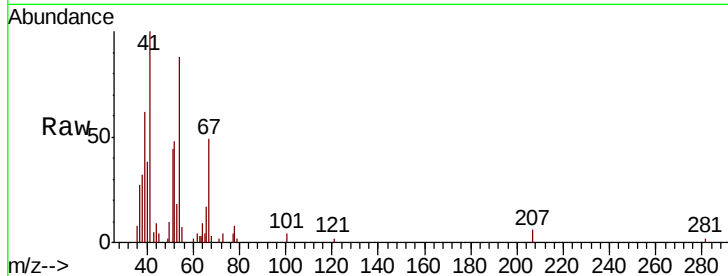




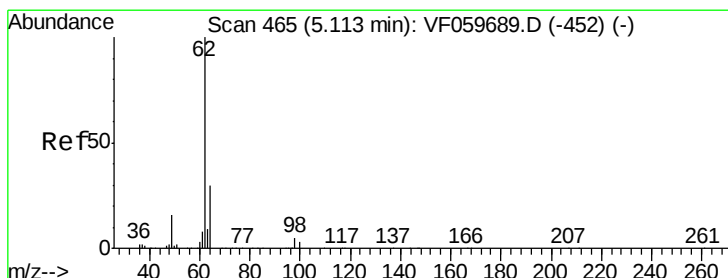
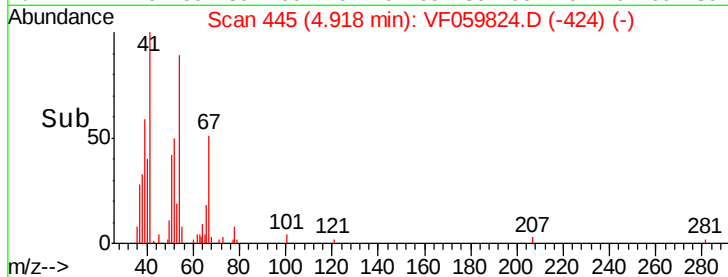
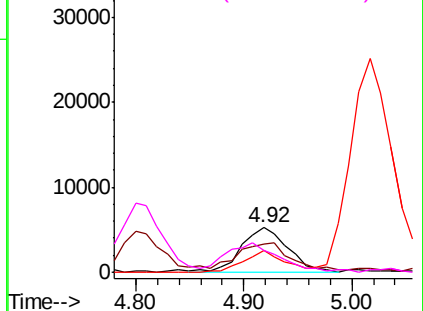
#41
Methacrylonitrile
Concen: 22.700 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion:	41	Resp:	15529
Ion	Ratio	Lower	Upper
41	100		
39	62.4	55.2	82.8
67	48.6	36.2	54.2
52	48.2	37.7	56.5

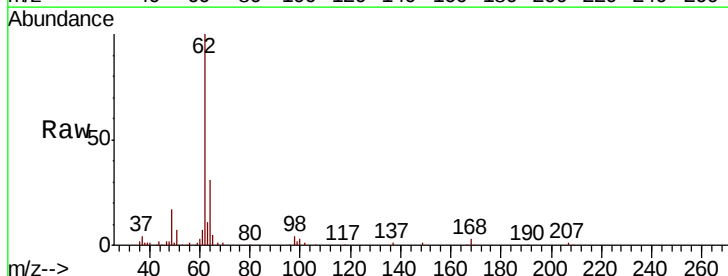


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

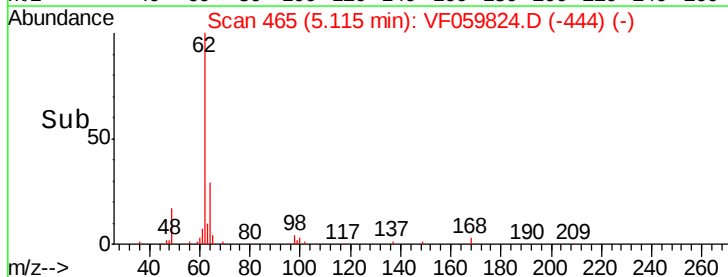
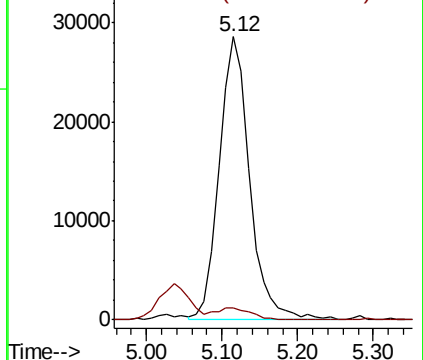


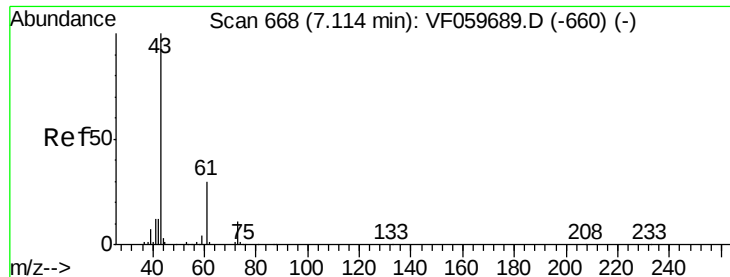
#42
1,2-Dichloroethane
Concen: 22.146 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion:	62	Resp:	79673
Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	9.6



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



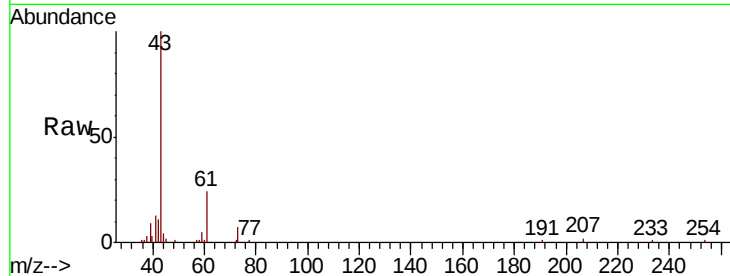


#43

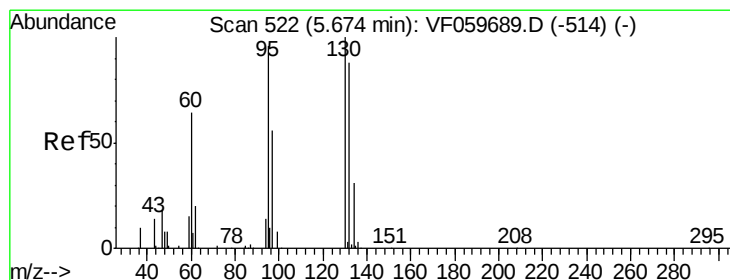
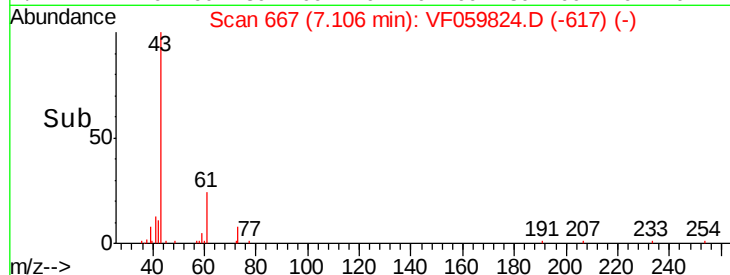
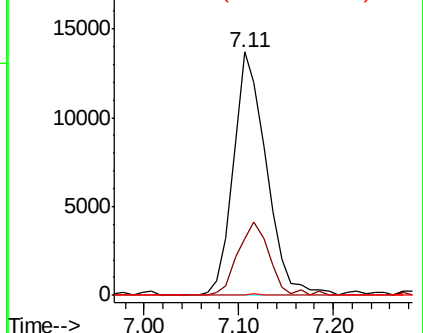
Isopropyl Acetate
 Concen: 21.719 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion: 43 Resp: 33059
 Ion Ratio Lower Upper
 43 100
 61 23.6 23.8 35.8#
 87 0.0 0.6 1.0#



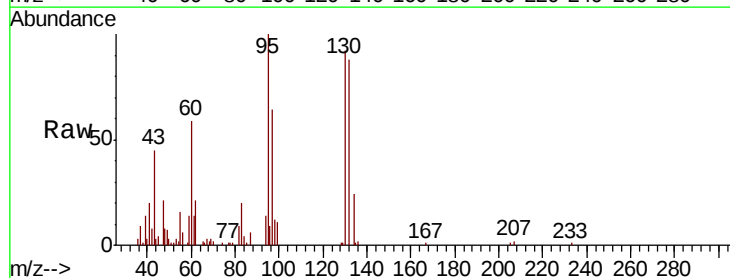
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



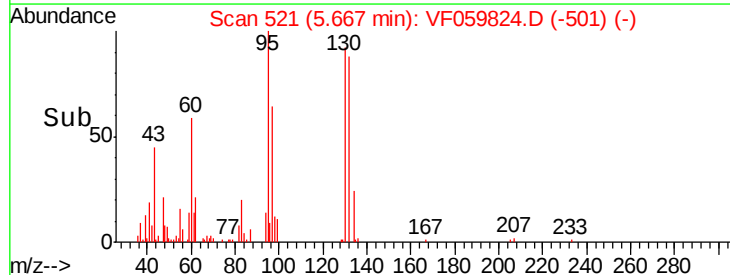
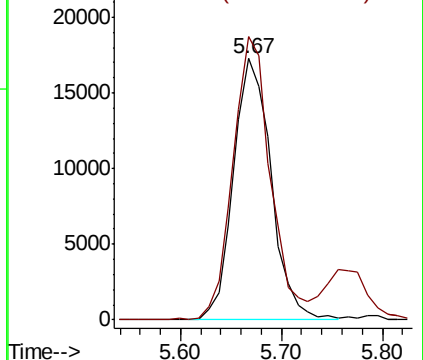
#44

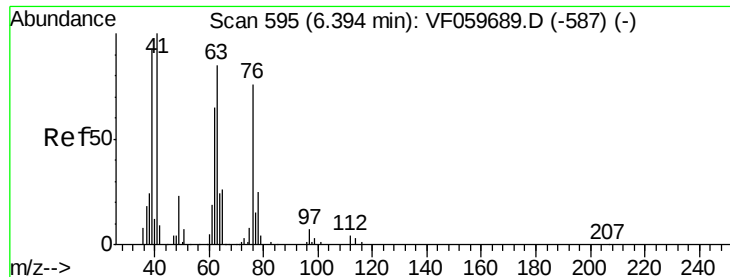
Trichloroethene
 Concen: 23.290 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion: 130 Resp: 45002
 Ion Ratio Lower Upper
 130 100
 95 108.2 0.0 191.0



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





#45

1,2-Dichloropropane

Concen: 23.995 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

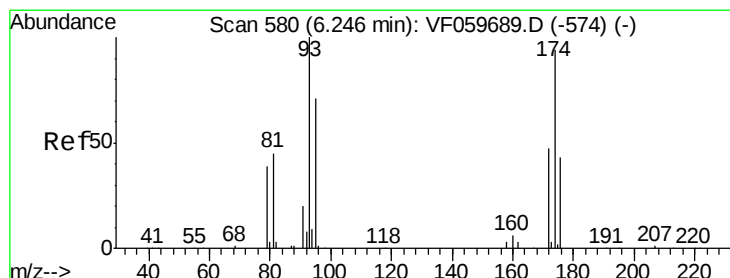
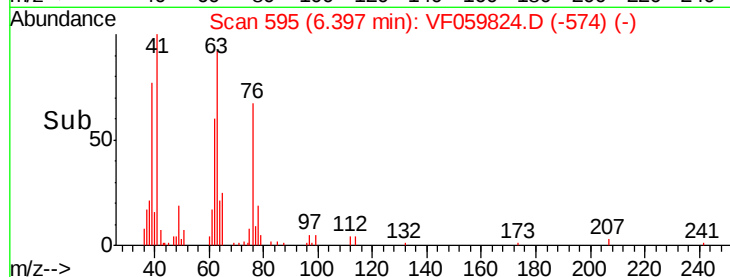
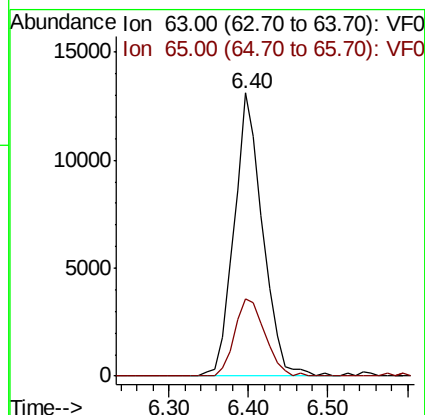
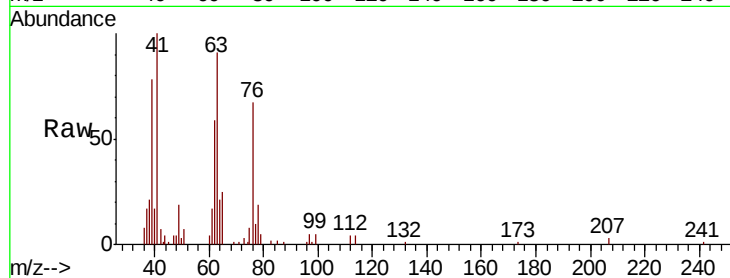
VF0802SBSD02

Tot Ion: 63 Resp: 32575

Ion Ratio Lower Upper

63 100

65 27.1 25.2 37.8



#46

Dibromomethane

Concen: 22.250 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

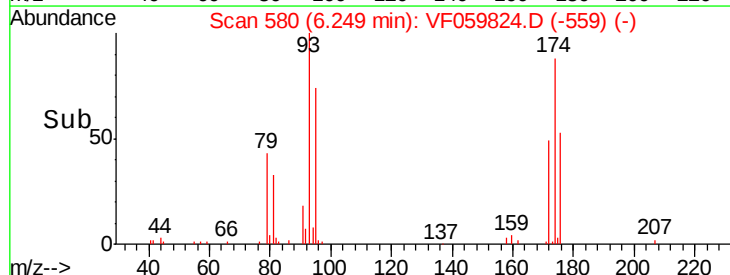
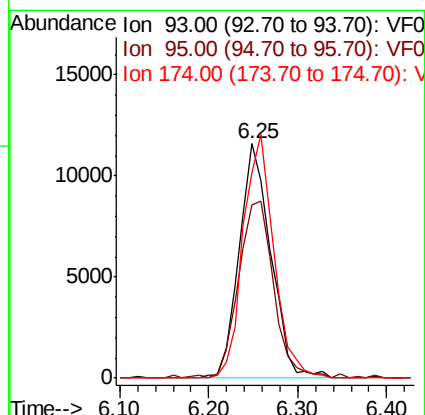
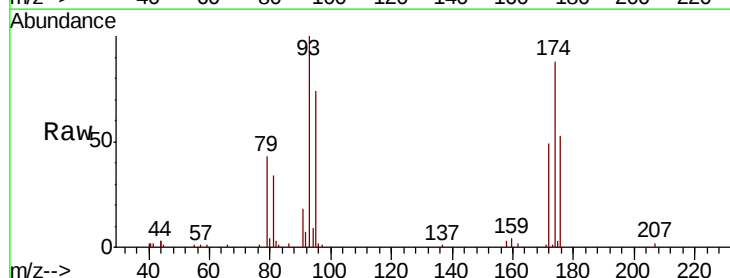
Tgt Ion: 93 Resp: 28678

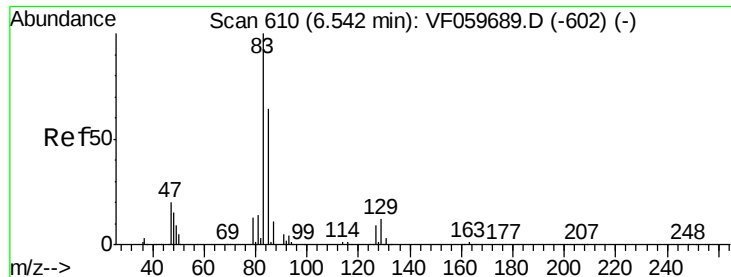
Ion Ratio Lower Upper

93 100

95 73.8 57.1 85.7

174 87.6 74.8 112.2





#47

Bromodichloromethane

Concen: 21.616 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

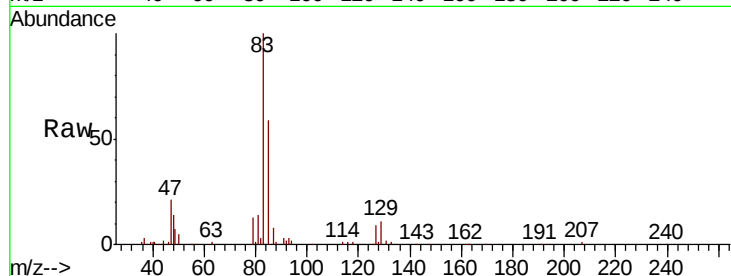
Tot Ion: 83 Resp: 75868

Ion Ratio Lower Upper

83 100

85 59.3 51.0 76.6

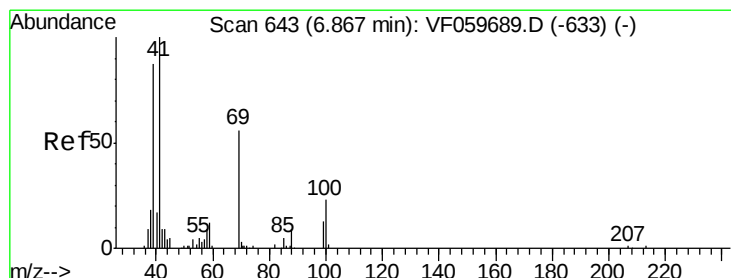
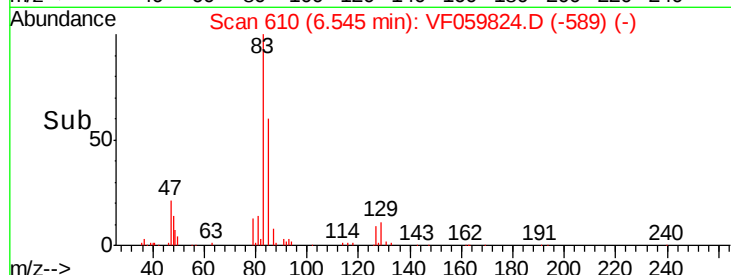
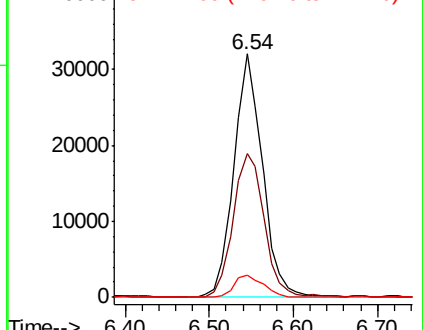
127 9.3 7.3 10.9



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: 20.047 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

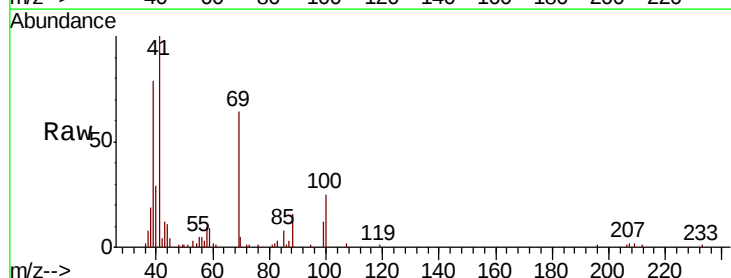
Tgt Ion: 41 Resp: 22951

Ion Ratio Lower Upper

41 100

69 63.7 44.4 66.6

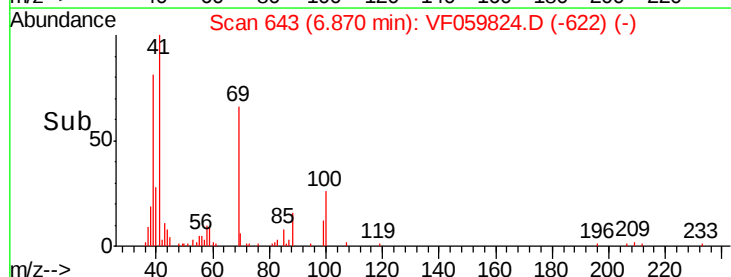
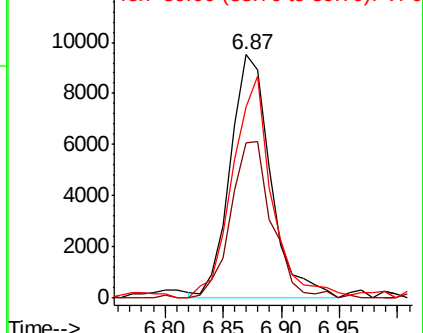
39 78.6 69.4 104.2

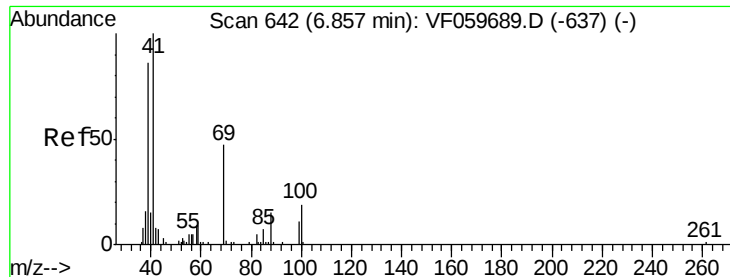


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 487.157 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

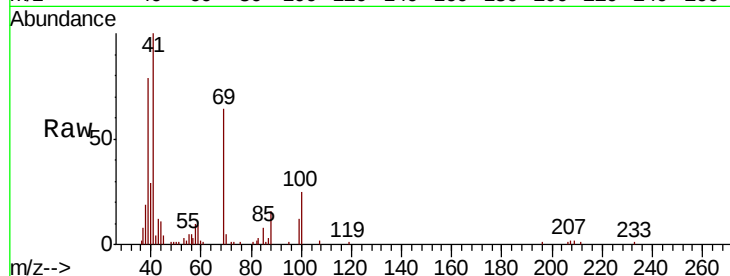
Tot Ion: 88 Resp: 3698

Ion Ratio Lower Upper

88 100

43 75.1 45.2 67.8#

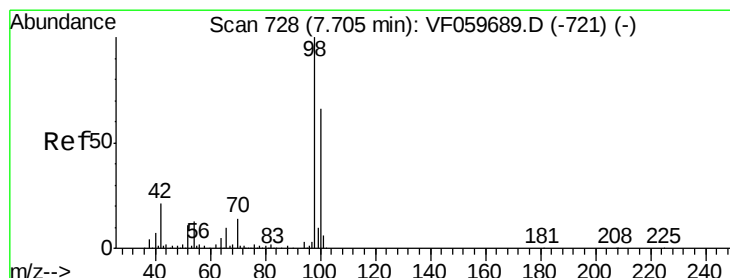
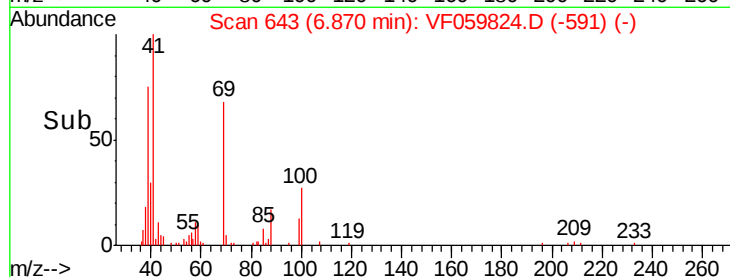
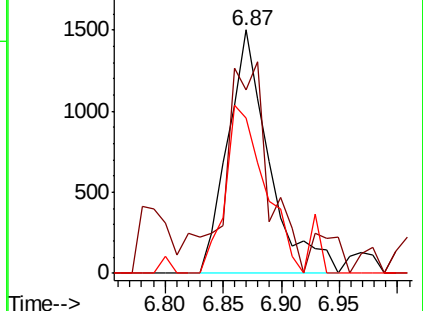
58 63.6 49.0 73.6



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.092 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059824.D

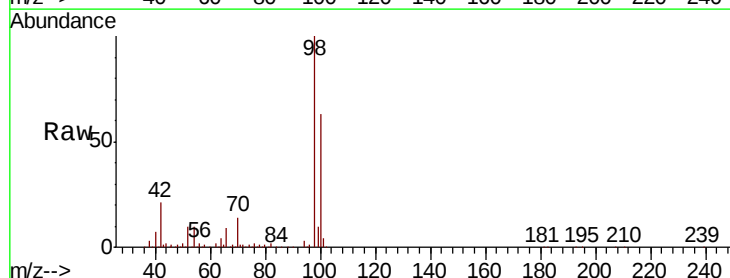
Acq: 3 Aug 2018 3:58

Tgt Ion: 98 Resp: 315007

Ion Ratio Lower Upper

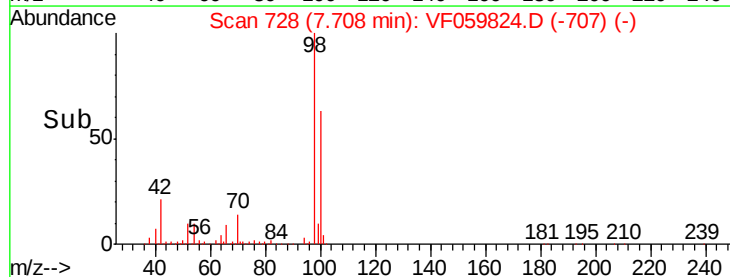
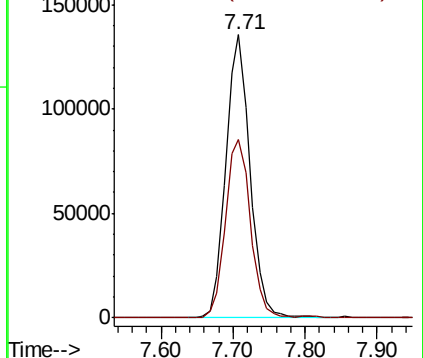
98 100

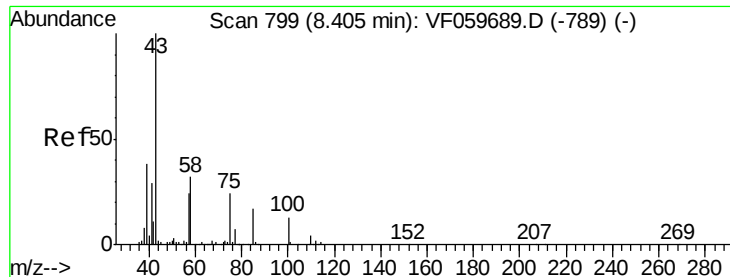
100 63.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 117.156 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

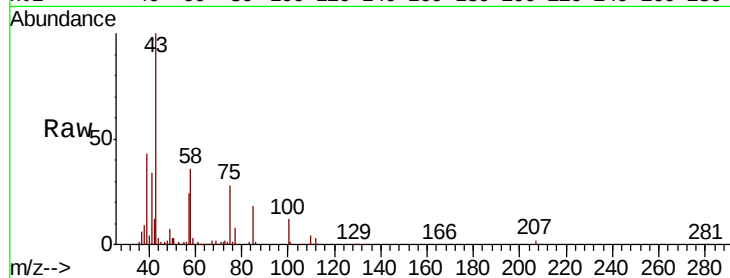
VF0802SBSD02

Tot Ion: 43 Resp: 135650

Ion Ratio Lower Upper

43 100

58 35.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

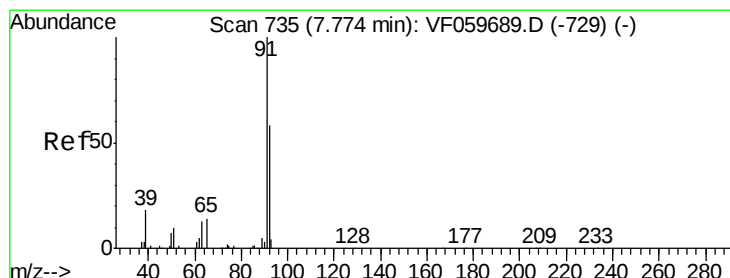
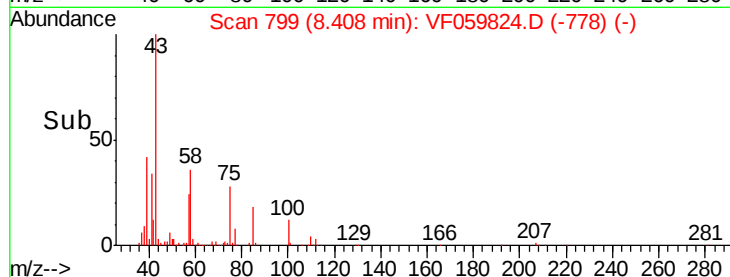
20000

10000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 24.329 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059824.D

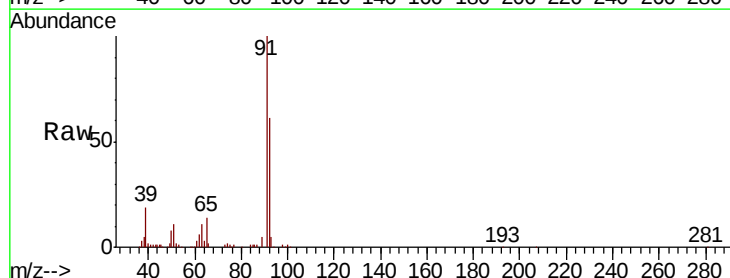
Acq: 3 Aug 2018 3:58

Tgt Ion: 92 Resp: 87897

Ion Ratio Lower Upper

92 100

91 164.1 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

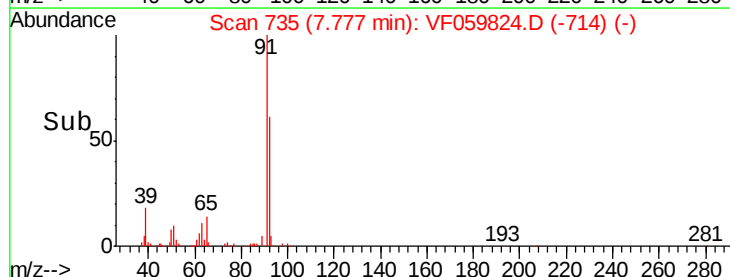
40000

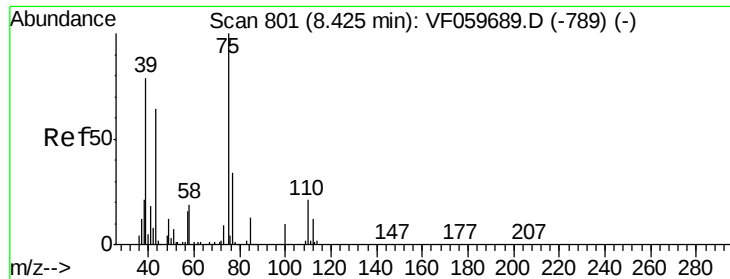
20000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.262 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

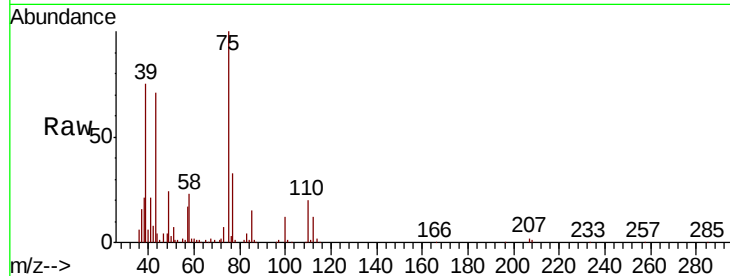
VF0802SBSD02

Tot Ion: 75 Resp: 64753

Ion Ratio Lower Upper

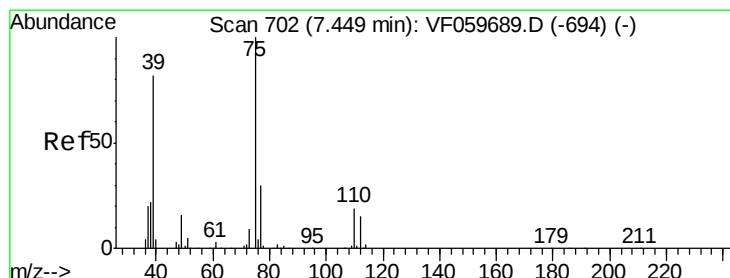
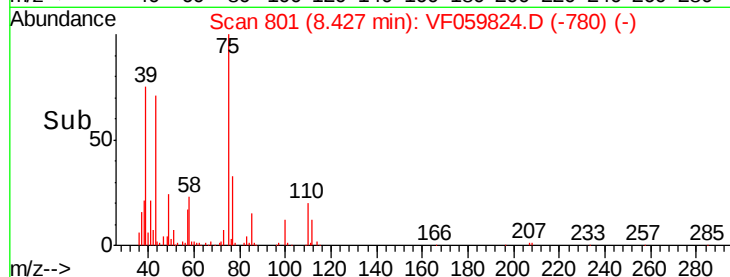
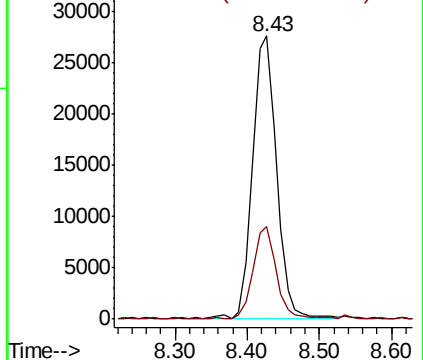
75 100

77 32.7 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.892 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

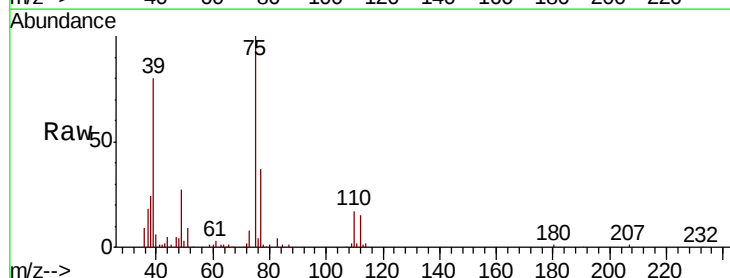
Tgt Ion: 75 Resp: 61630

Ion Ratio Lower Upper

75 100

77 37.4 24.0 36.0#

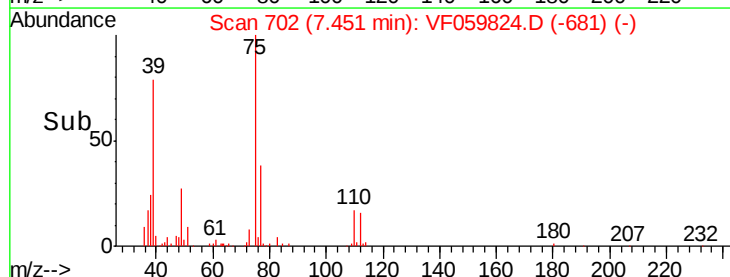
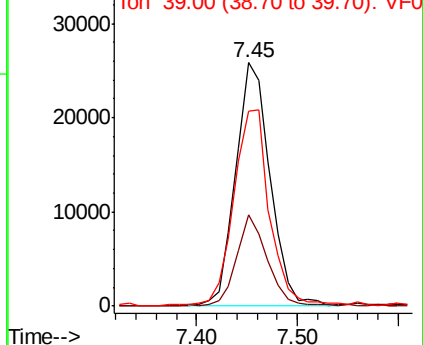
39 80.2 65.4 98.2

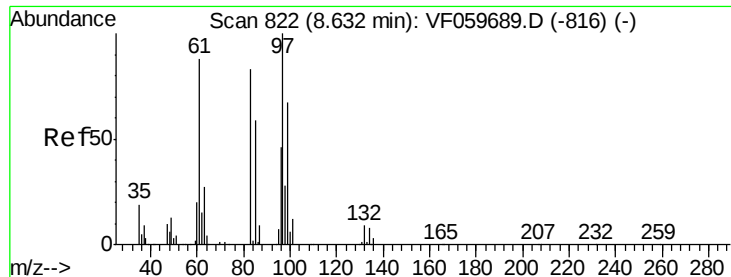


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

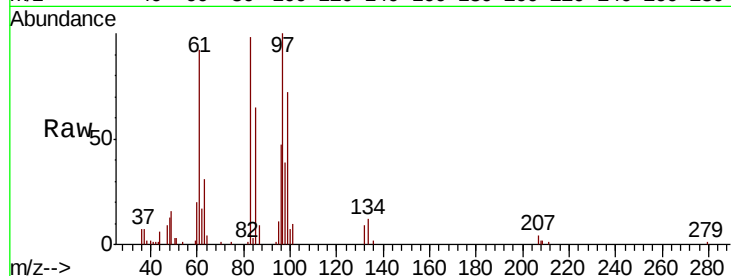




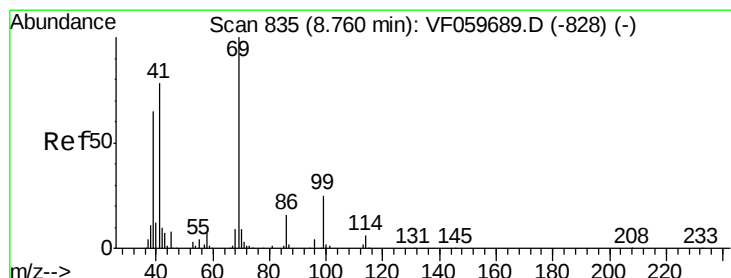
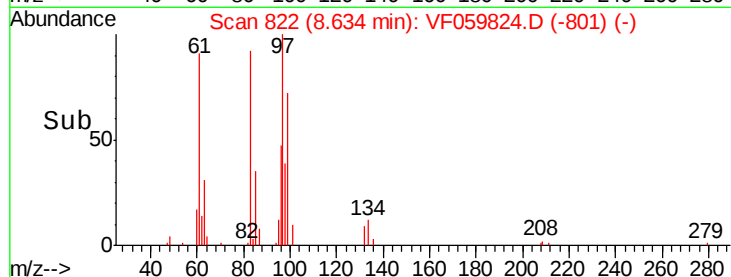
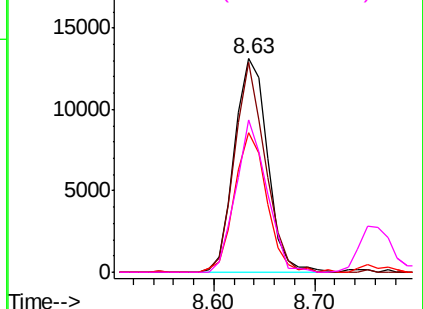
#55
 1,1,2-Trichloroethane
 Concen: 21.585 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion:	97	Resp:	30052
Ion	Ratio	Lower	Upper
97	100		
83	98.4	66.6	100.0
85	65.3	47.4	71.0
99	71.6	53.2	79.8

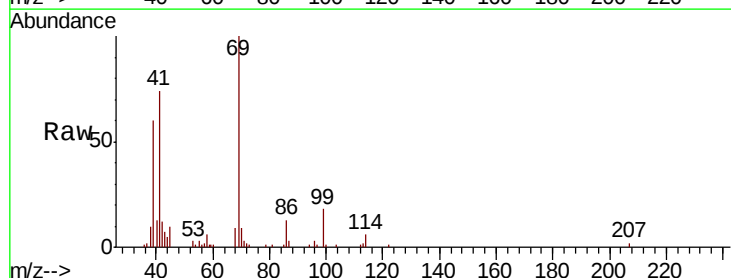


Abundance Ion 97.00 (96.70 to 97.70): VF0
 Ion 82.95 (82.65 to 83.65): VF0
 Ion 84.95 (84.65 to 85.65): VF0
 Ion 98.95 (98.65 to 99.65): VF0

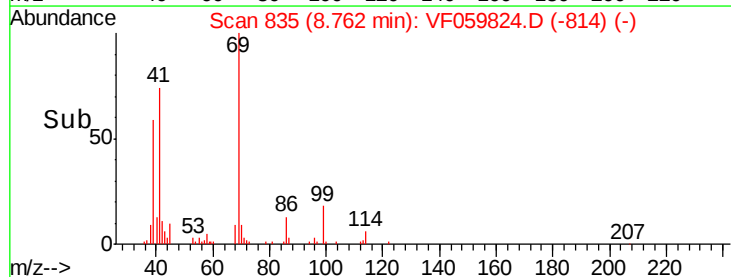
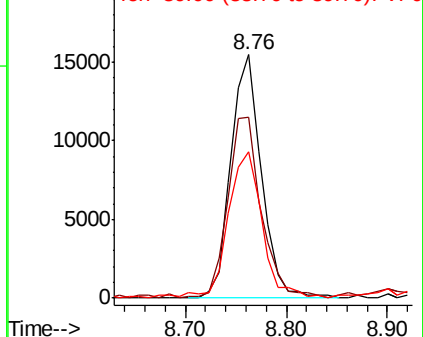


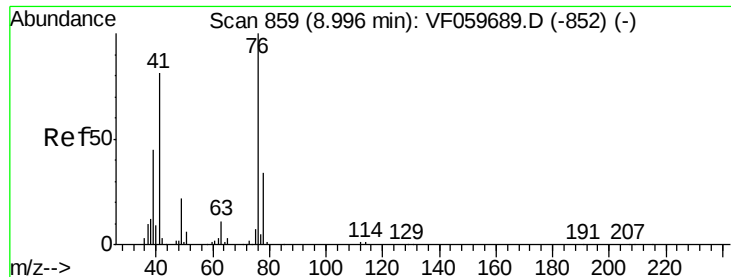
#56
 Ethyl methacrylate
 Concen: 22.429 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion:	69	Resp:	32565
Ion	Ratio	Lower	Upper
69	100		
41	74.1	62.3	93.5
39	60.1	52.4	78.6



Abundance Ion 69.00 (68.70 to 69.70): VF0
 Ion 41.00 (40.70 to 41.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.642 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

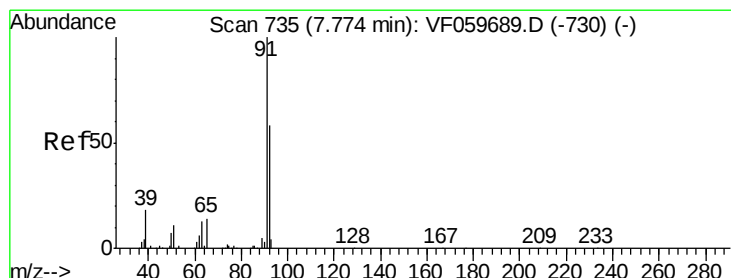
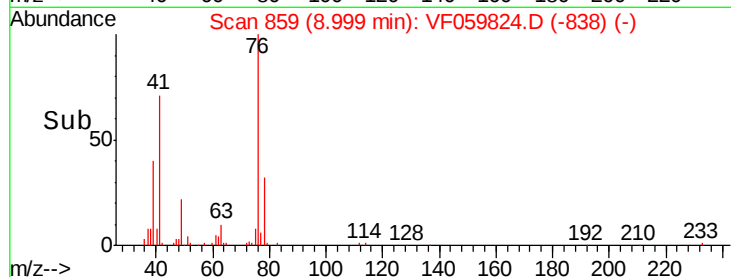
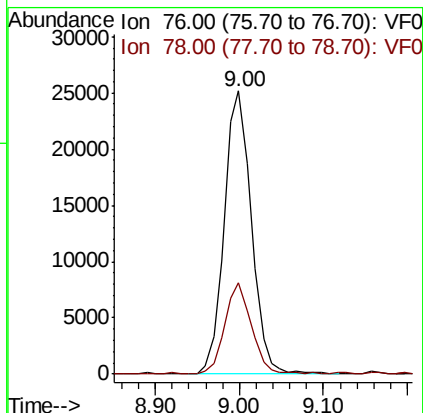
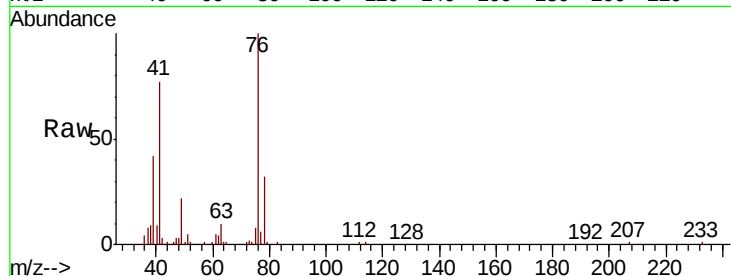
VF0802SBSD02

Tot Ion: 76 Resp: 56468

Ion Ratio Lower Upper

76 100

78 32.3 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 108.228 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059824.D

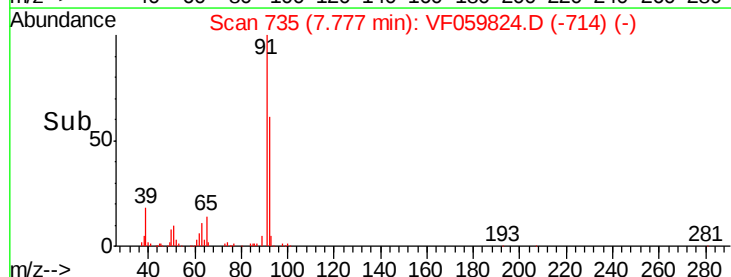
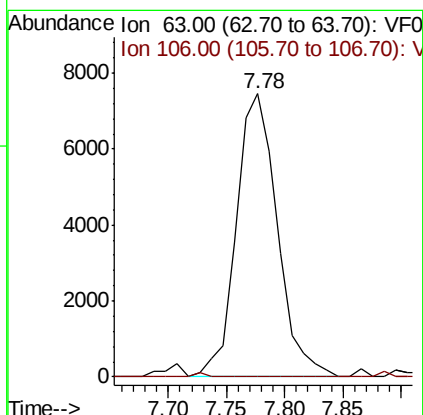
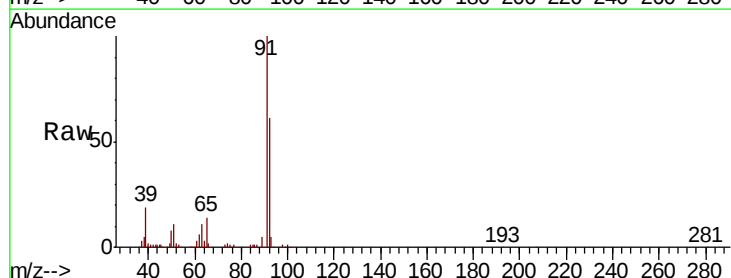
Acq: 3 Aug 2018 3:58

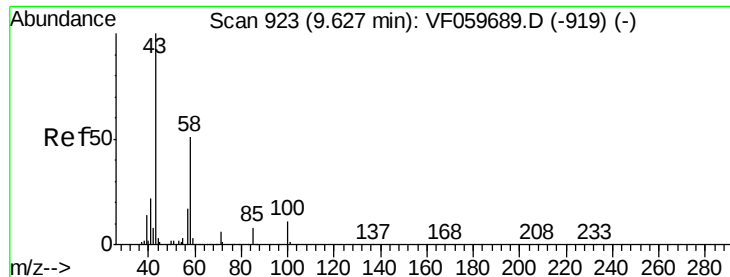
Tgt Ion: 63 Resp: 18143

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

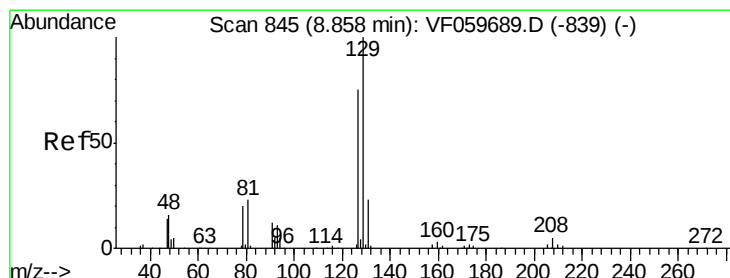
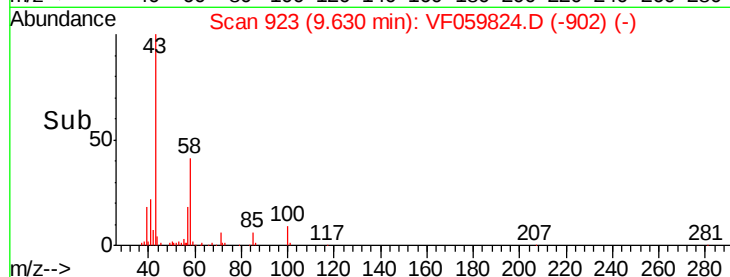
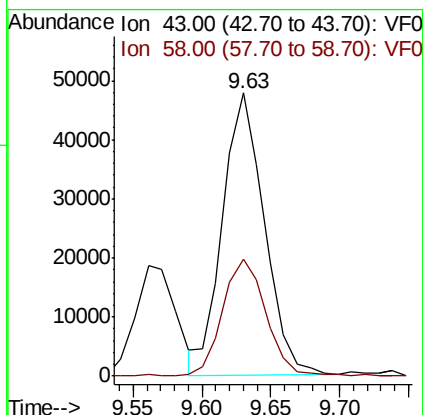
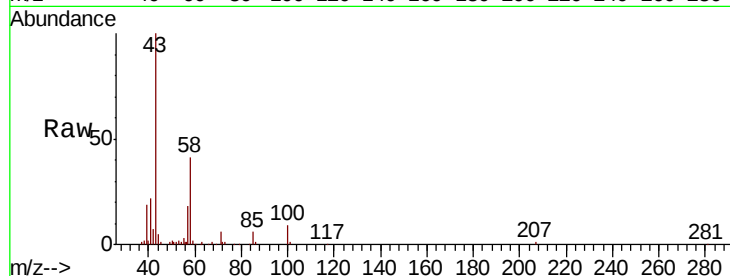




#59
2-Hexanone
Concen: 107.967 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

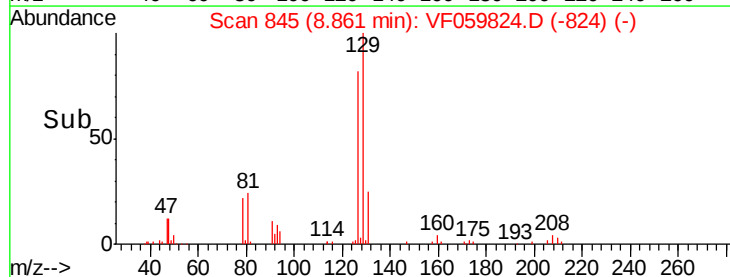
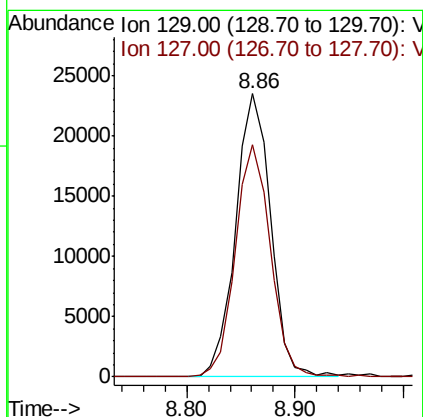
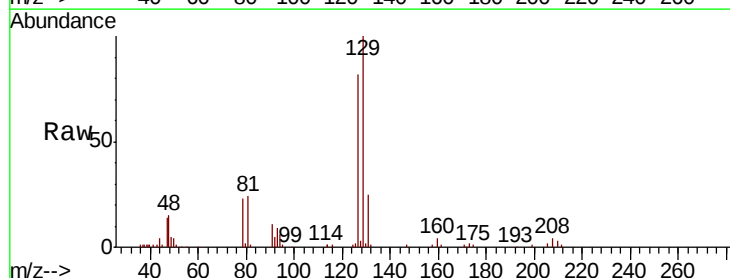
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

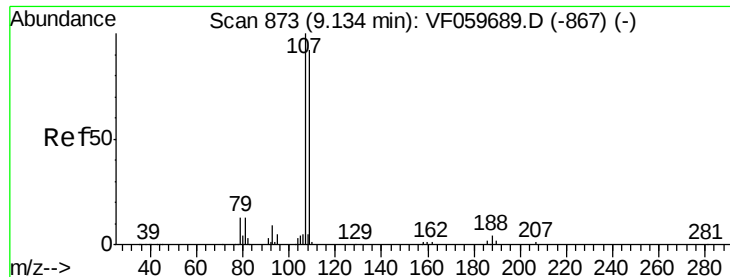
Tot Ion: 43 Resp: 100178
Ion Ratio Lower Upper
43 100
58 41.3 23.3 69.8



#60
Dibromochloromethane
Concen: 21.624 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion:129 Resp: 53123
Ion Ratio Lower Upper
129 100
127 82.0 37.7 113.1





#61

1,2-Dibromoethane

Concen: 22.155 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

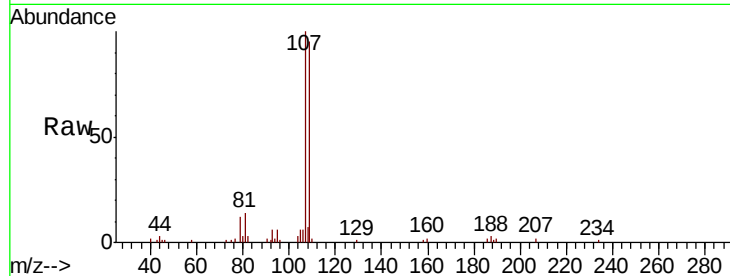
VF0802SBSD02

Tot Ion:107 Resp: 36017

Ion Ratio Lower Upper

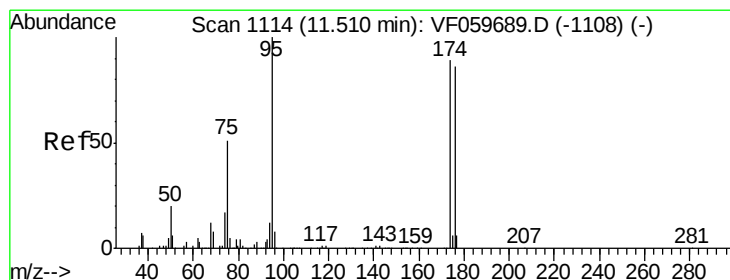
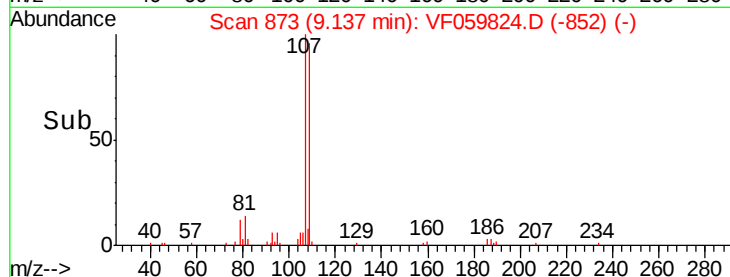
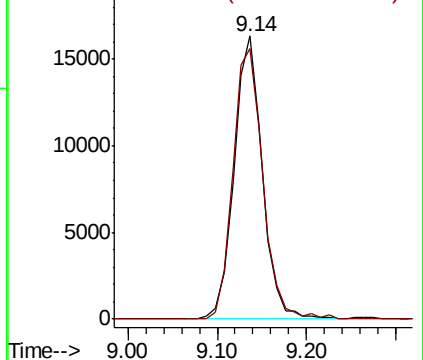
107 100

109 95.5 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.083 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

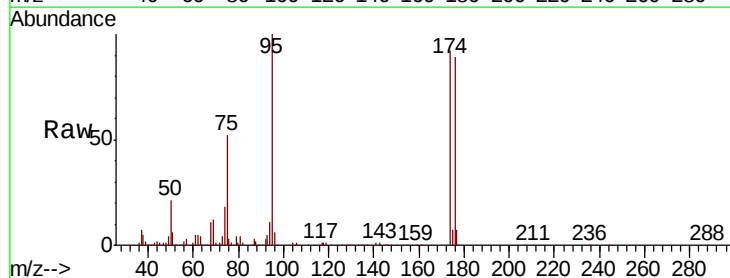
Tgt Ion: 95 Resp: 174357

Ion Ratio Lower Upper

95 100

174 92.0 0.0 178.4

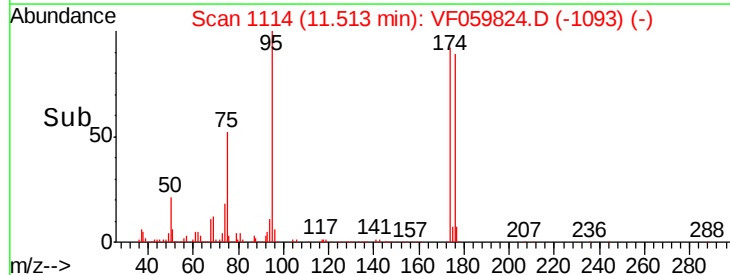
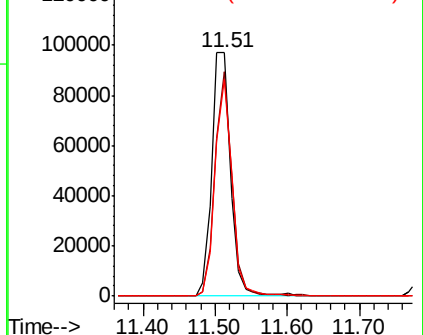
176 88.9 0.0 173.0

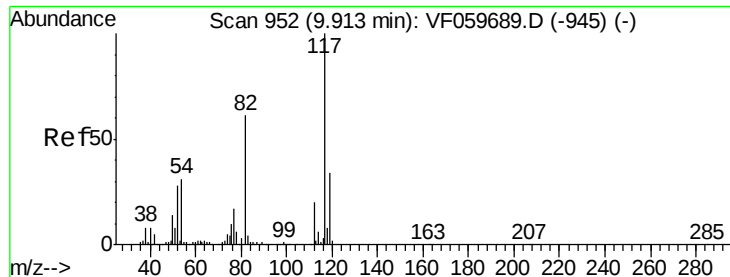


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

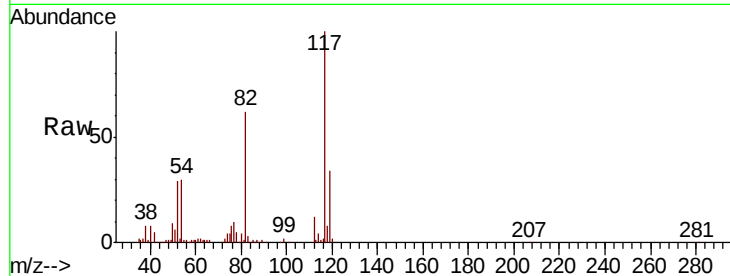




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.0	73.4
119	33.6	27.3	40.9

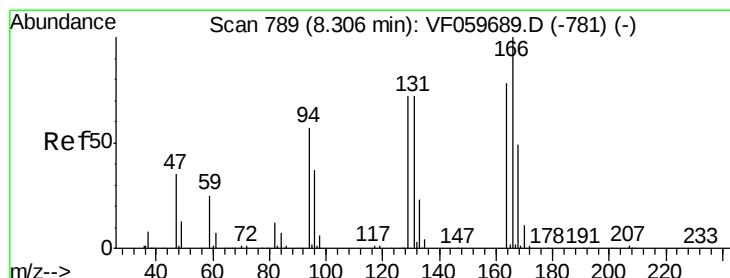
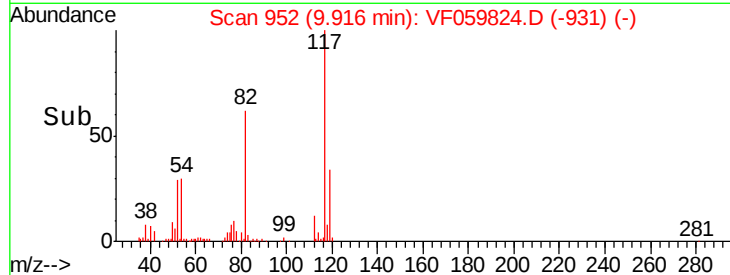
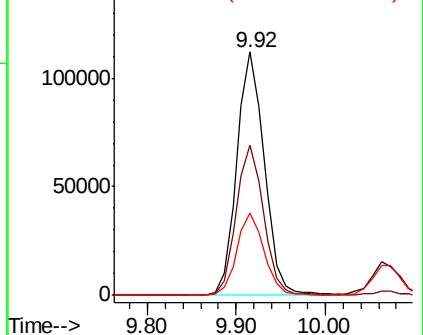


Abundance

Ion 117.00 (116.70 to 117.70): V

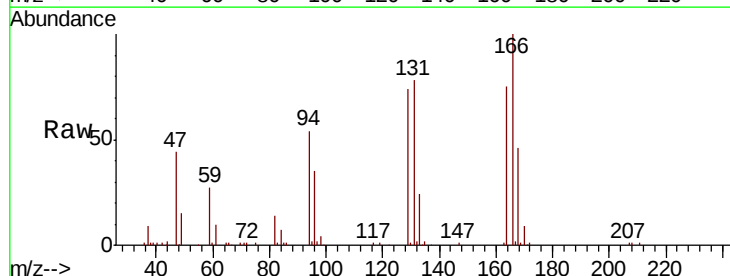
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 27.273 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	102.1	153.1
129	98.8	73.8	110.6
131	102.9	73.1	109.7



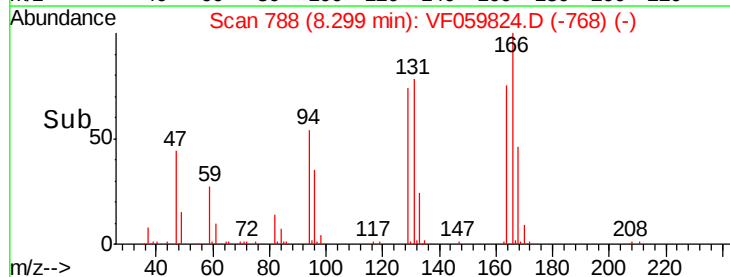
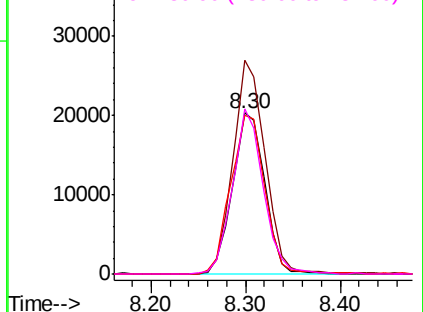
Abundance

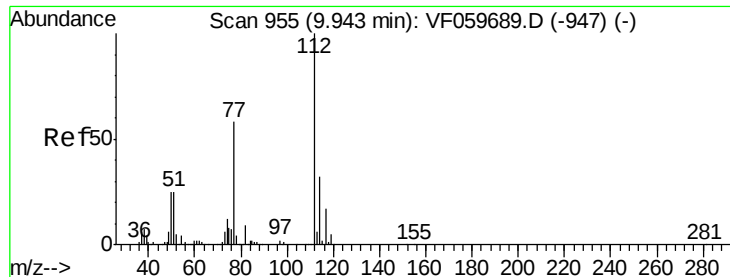
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

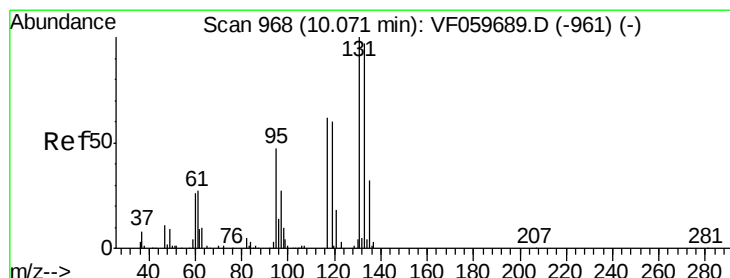
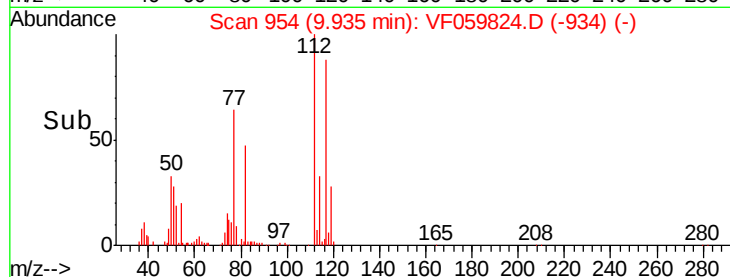
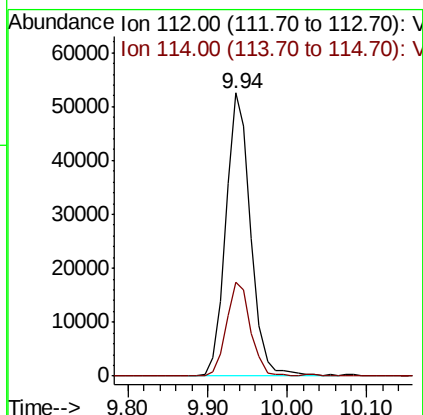
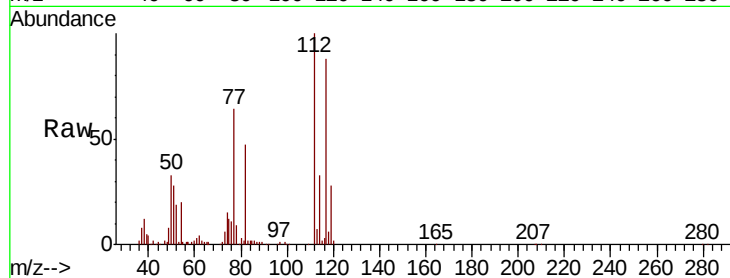




#65
Chlorobenzene
Concen: 23.708 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

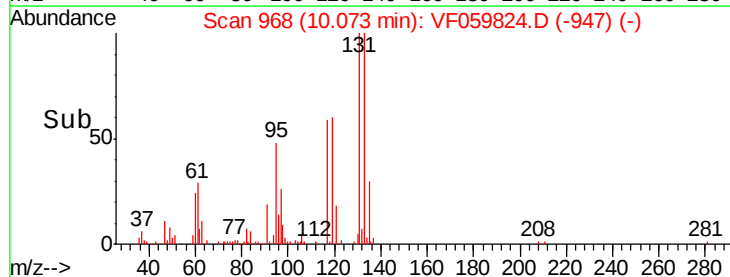
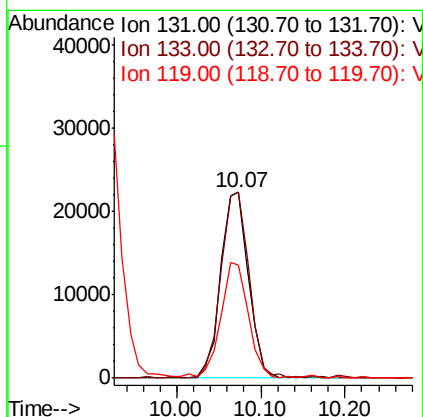
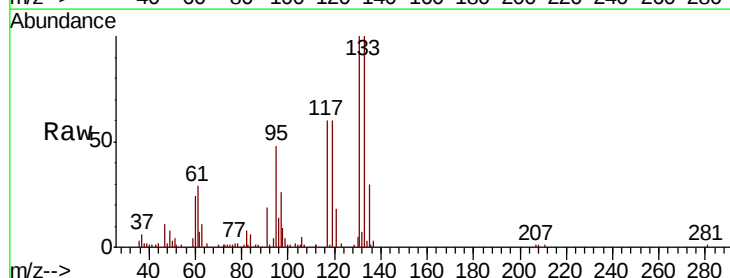
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

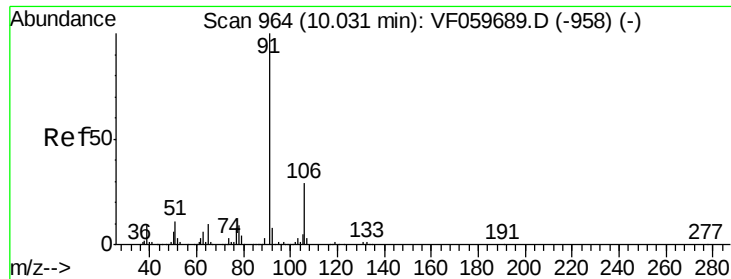
Tot Ion:112 Resp: 115040
Ion Ratio Lower Upper
112 100
114 33.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.583 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion:131 Resp: 51159
Ion Ratio Lower Upper
131 100
133 100.3 48.5 145.5
119 60.6 30.3 90.8

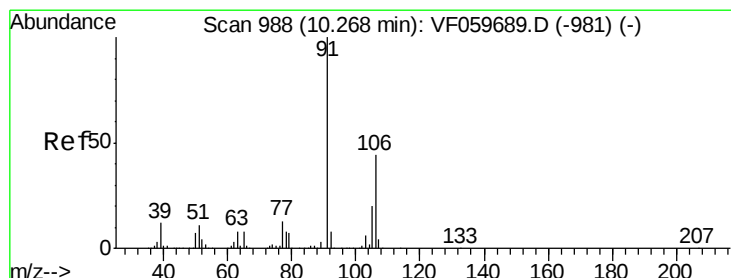
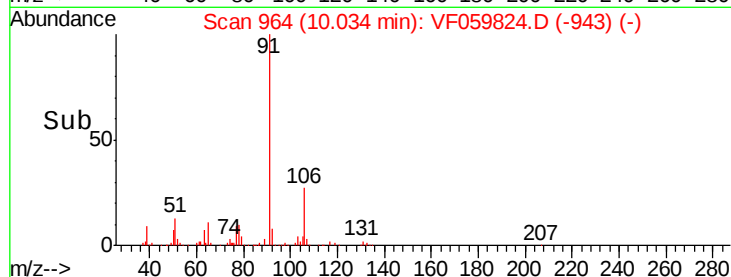
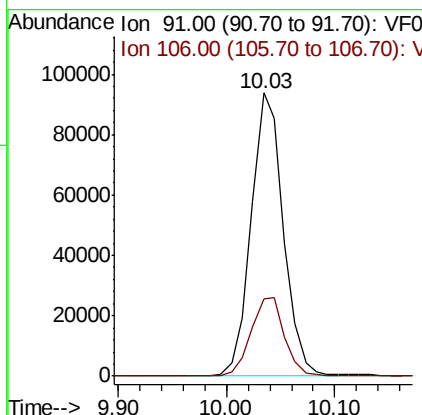
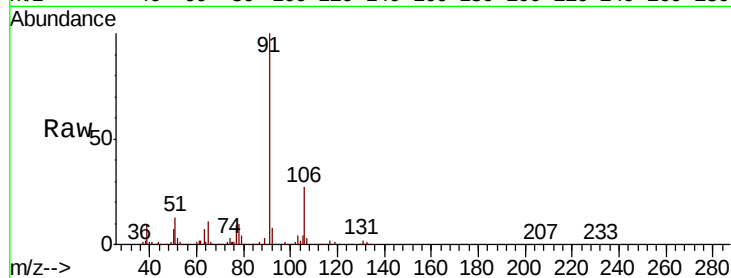




#67
Ethyl Benzene
Concen: 23.221 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

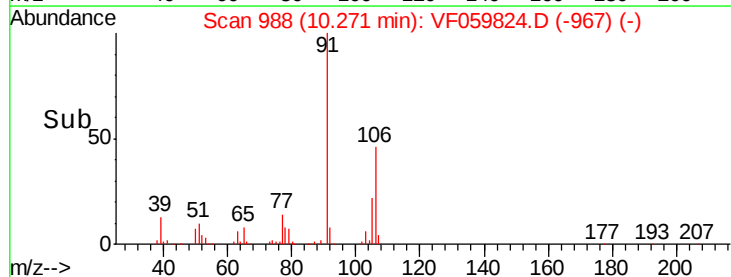
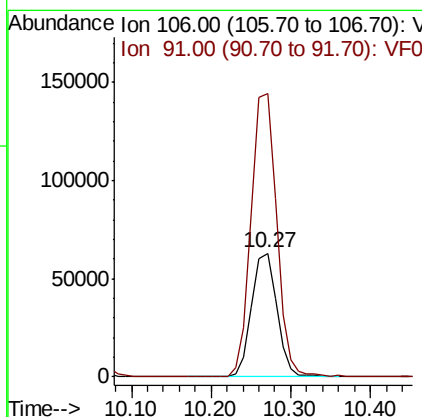
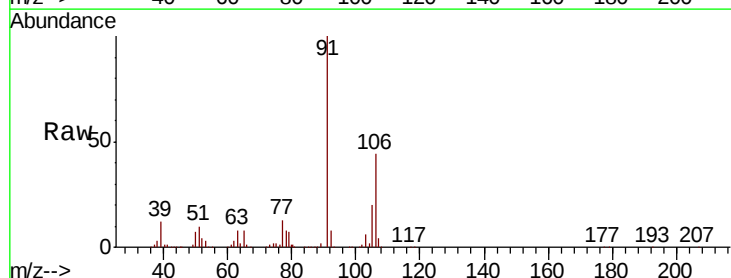
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

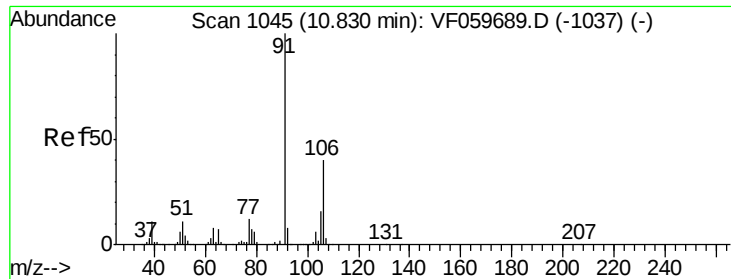
Tot Ion: 91 Resp: 194947
Ion Ratio Lower Upper
91 100
106 27.3 22.9 34.3



#68
m/p-Xylenes
Concen: 48.441 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 106 Resp: 137721
Ion Ratio Lower Upper
106 100
91 228.9 181.7 272.5

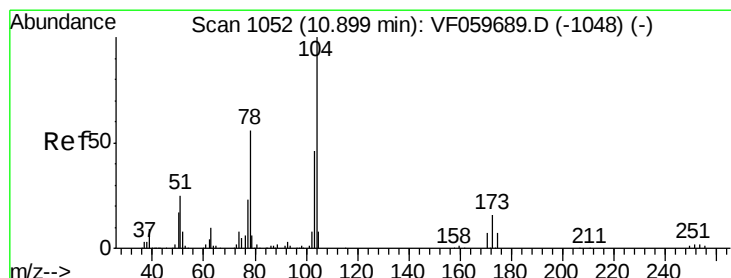
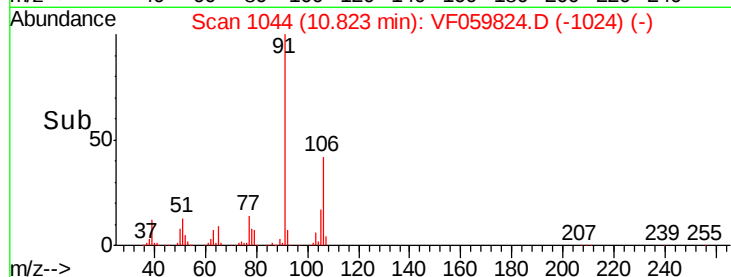
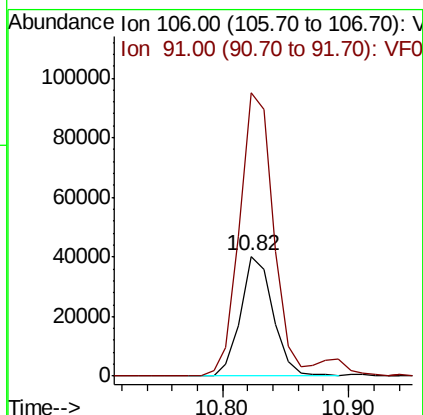
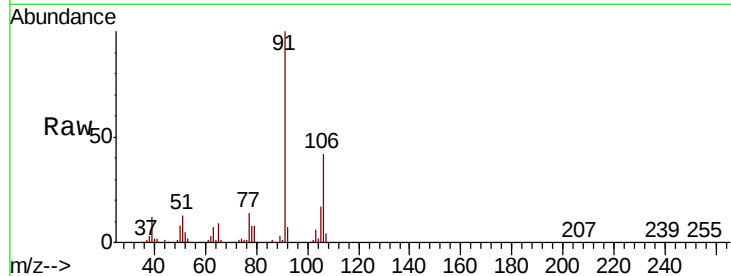




#69
o-Xylene
Concen: 23.338 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

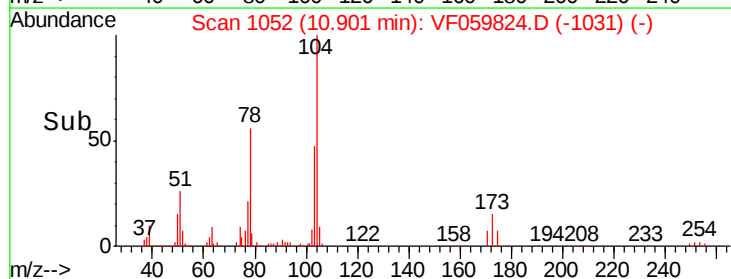
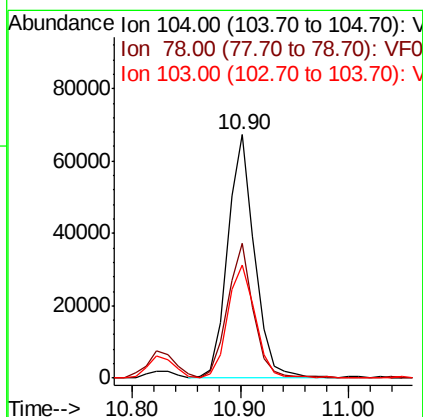
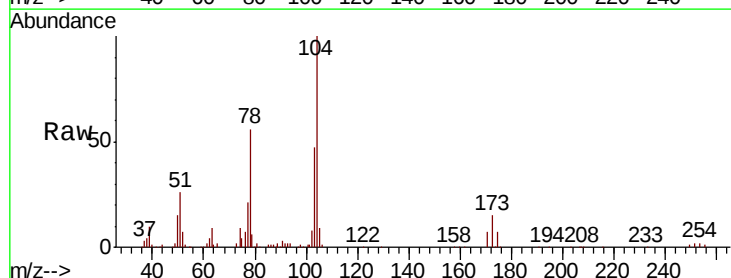
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

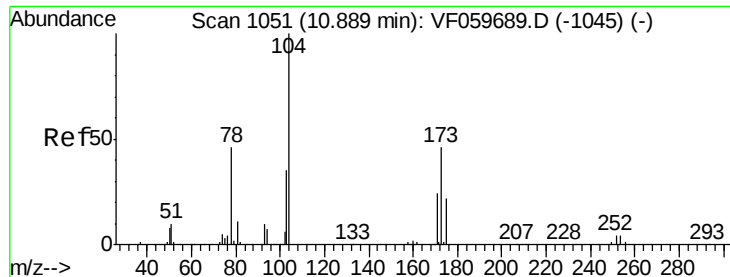
Tot Ion:106 Resp: 72195
Ion Ratio Lower Upper
106 100
91 236.5 124.6 373.7



#70
Styrene
Concen: 24.581 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion:104 Resp: 115195
Ion Ratio Lower Upper
104 100
78 55.6 45.3 67.9
103 46.6 36.6 54.8

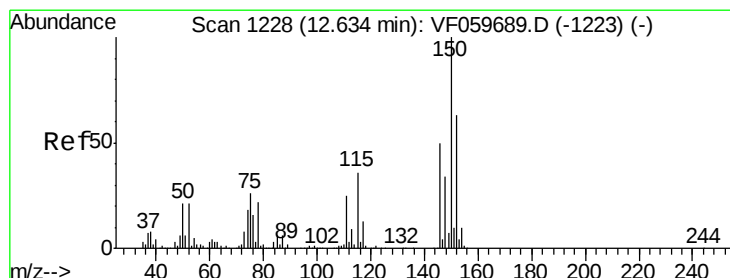
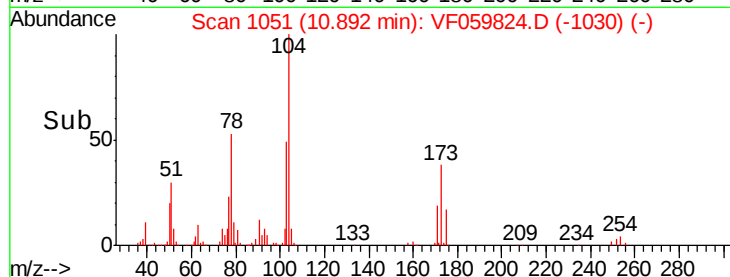
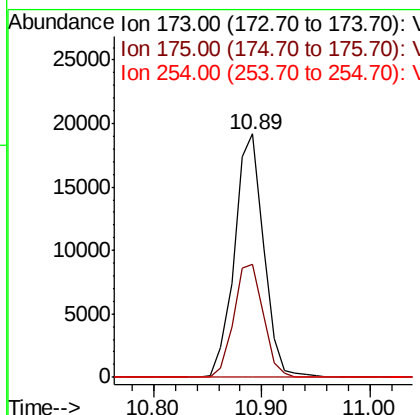
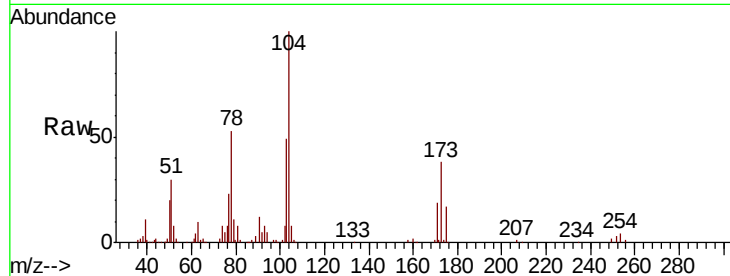




#71
Bromoform
Concen: 24.361 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

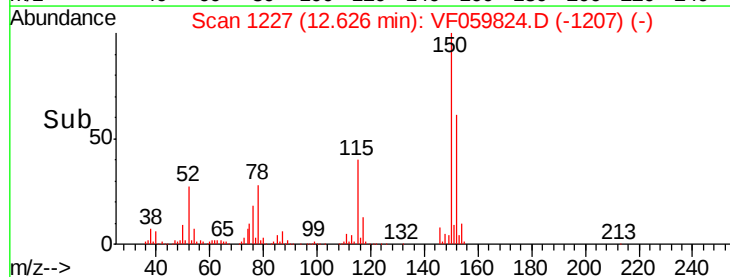
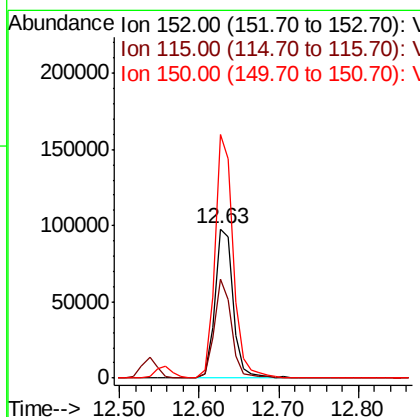
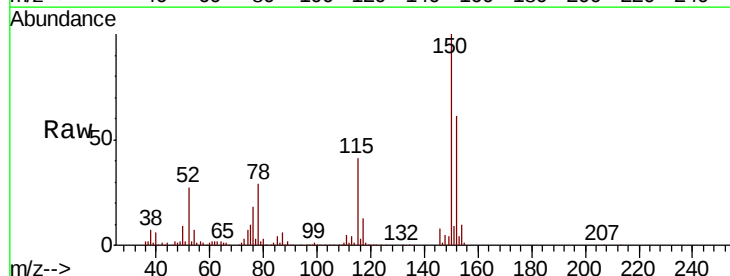
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

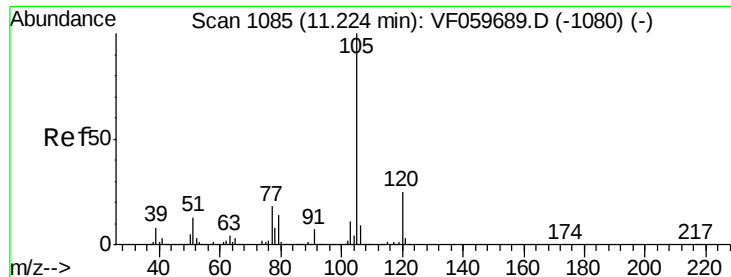
Tot Ion:173 Resp: 35960
Ion Ratio Lower Upper
173 100
175 46.3 23.4 70.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion:152 Resp: 159352
Ion Ratio Lower Upper
152 100
115 66.1 28.2 84.6
150 163.0 0.0 316.2





#73

Isopropylbenzene

Concen: 24.279 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

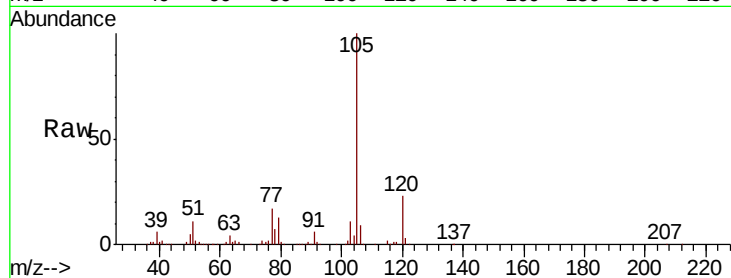
VF0802SBSD02

Tot Ion:105 Resp: 253859

Ion Ratio Lower Upper

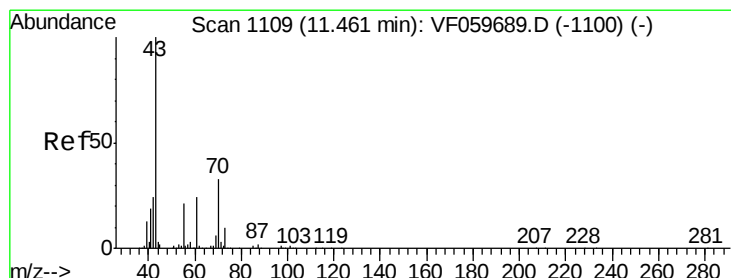
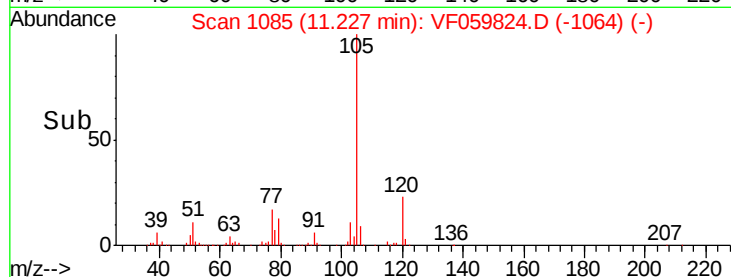
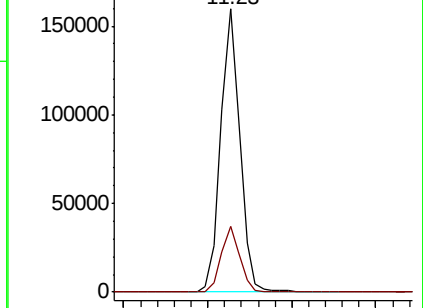
105 100

120 23.2 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.456 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Tgt Ion: 43 Resp: 59237

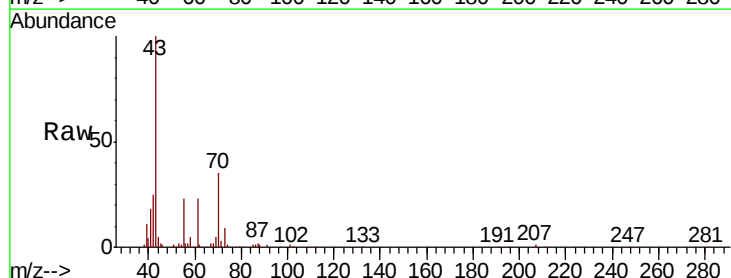
Ion Ratio Lower Upper

43 100

70 34.7 26.3 39.5

55 22.6 16.6 25.0

61 23.2 19.1 28.7

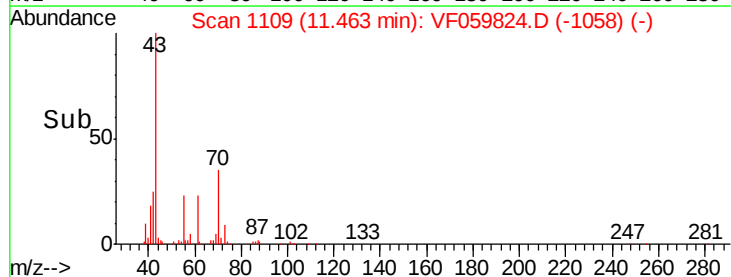
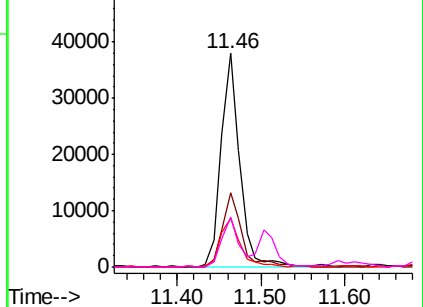


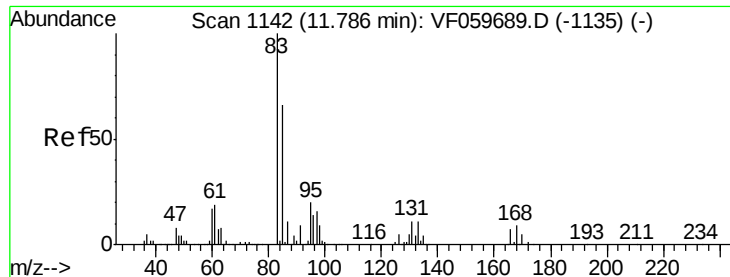
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 24.668 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

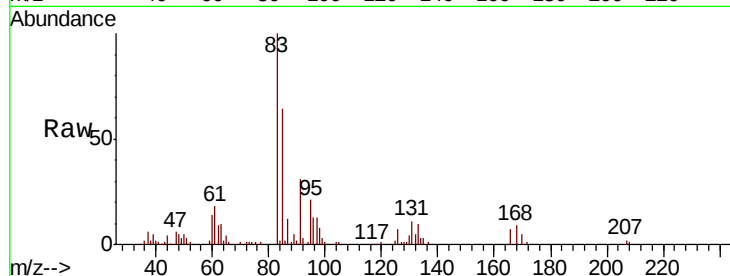
Tot Ion: 83 Resp: 48551

Ion Ratio Lower Upper

83 100

131 10.8 5.8 17.3

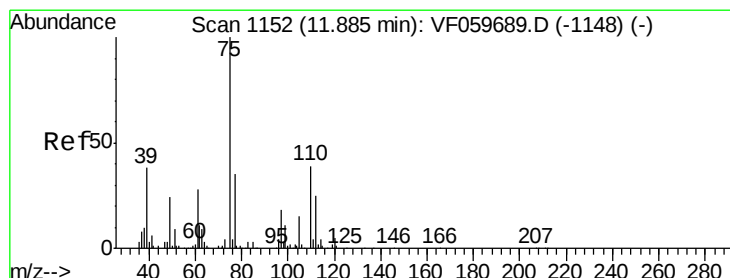
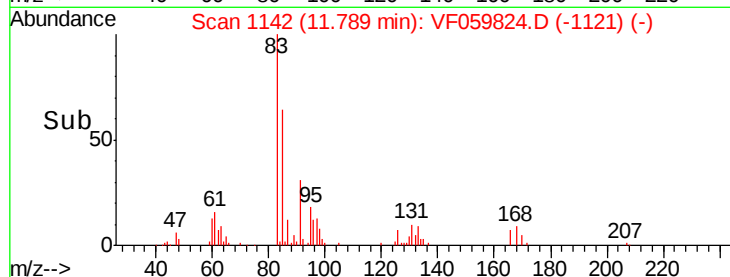
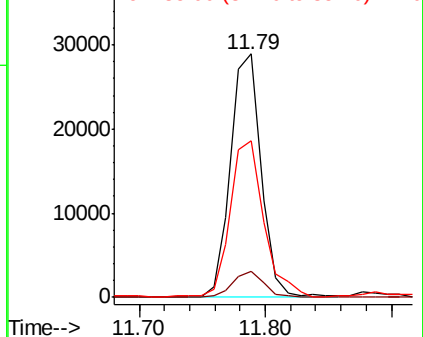
85 64.4 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 23.827 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059824.D

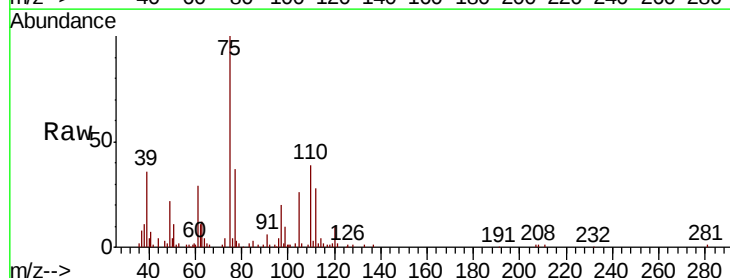
Acq: 3 Aug 2018 3:58

Tgt Ion: 75 Resp: 39877

Ion Ratio Lower Upper

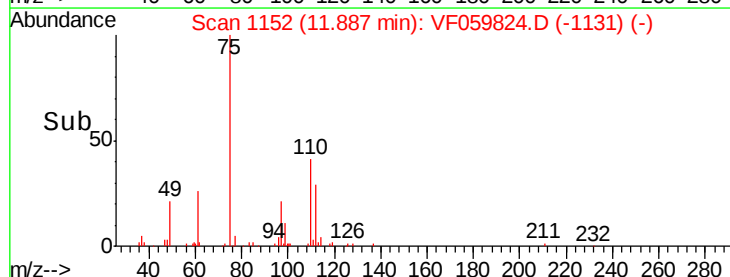
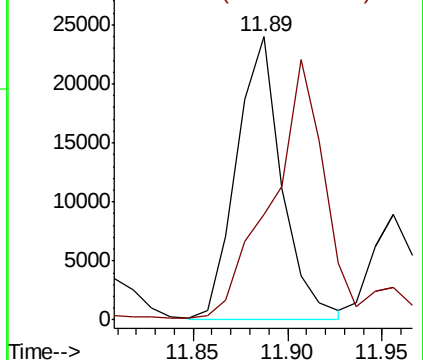
75 100

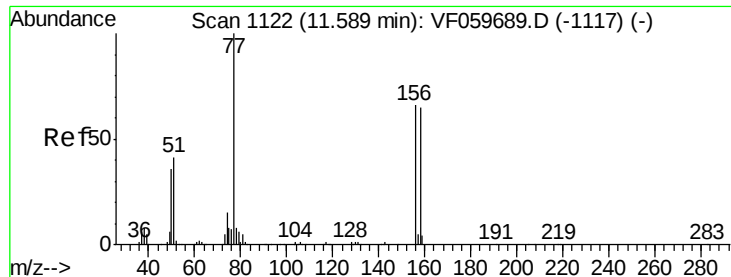
77 37.3 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.742 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

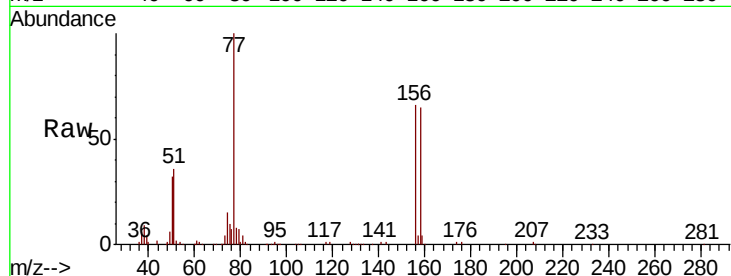
Tot Ion:156 Resp: 62093

Ion Ratio Lower Upper

156 100

77 151.2 75.2 225.6

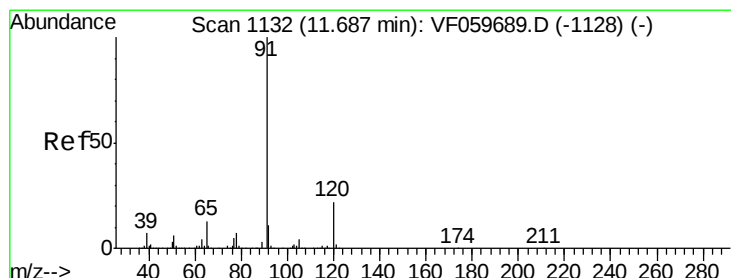
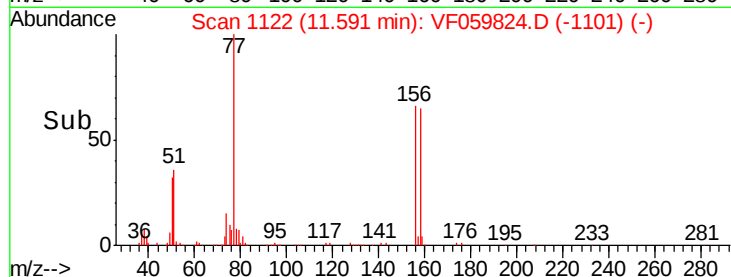
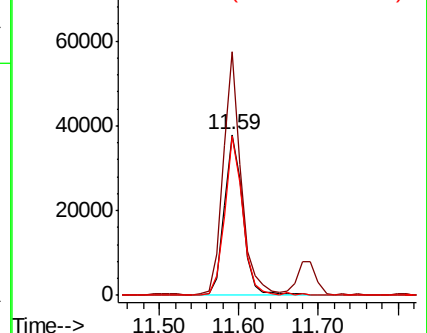
158 98.9 49.1 147.3



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: 23.902 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059824.D

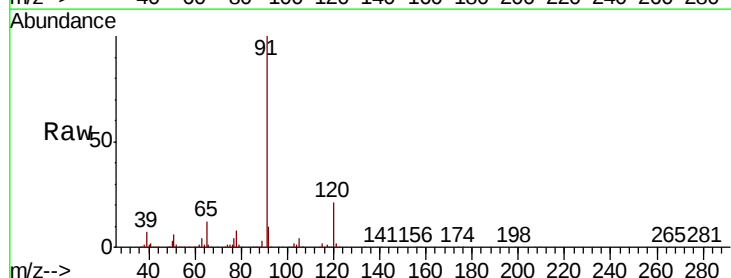
Acq: 3 Aug 2018 3:58

Tgt Ion: 91 Resp: 284196

Ion Ratio Lower Upper

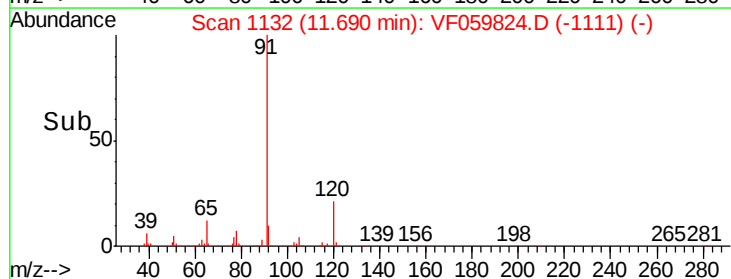
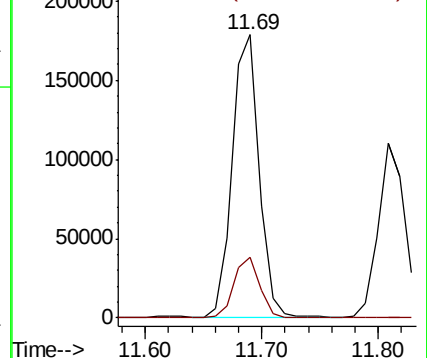
91 100

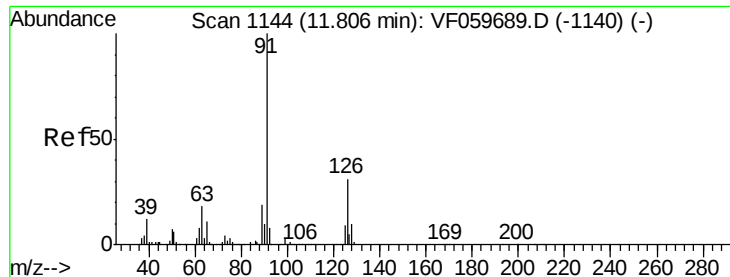
120 21.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.537 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

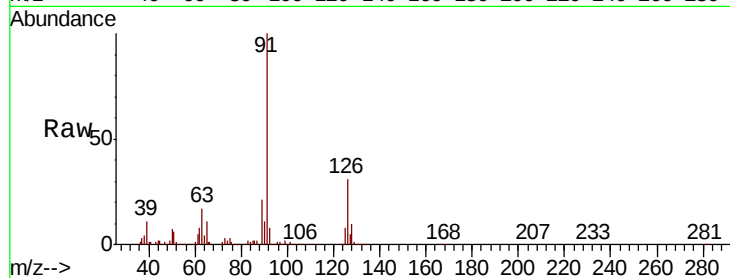
VF0802SBSD02

Tot Ion: 91 Resp: 174432

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.81

120000

100000

80000

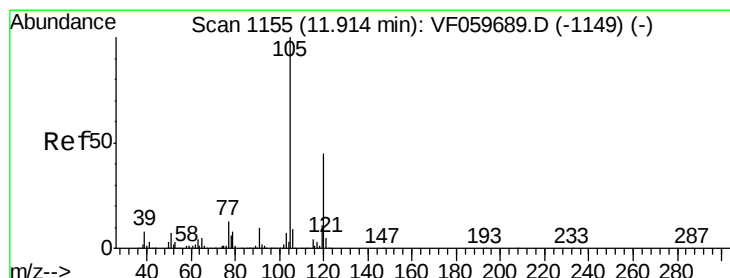
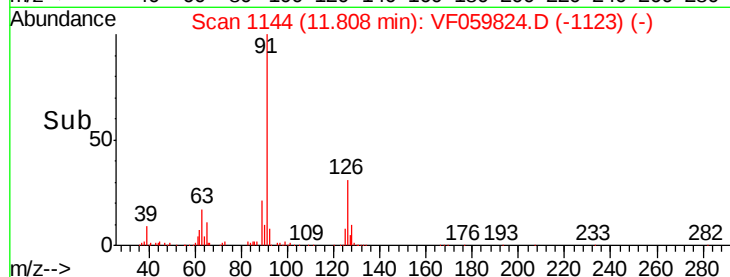
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.984 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059824.D

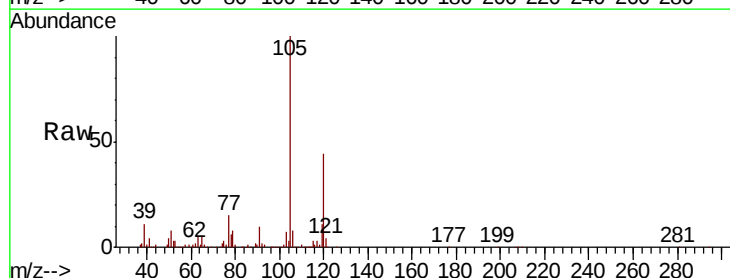
Acq: 3 Aug 2018 3:58

Tgt Ion:105 Resp: 219890

Ion Ratio Lower Upper

105 100

120 44.1 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

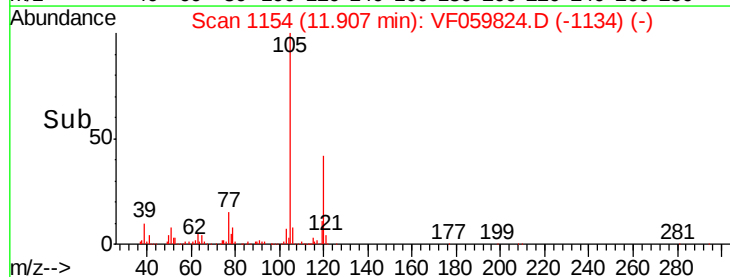
150000

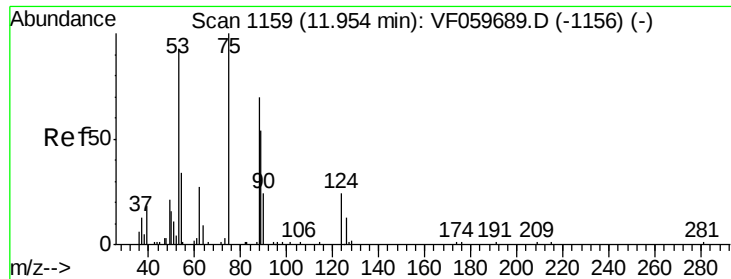
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 30.458 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

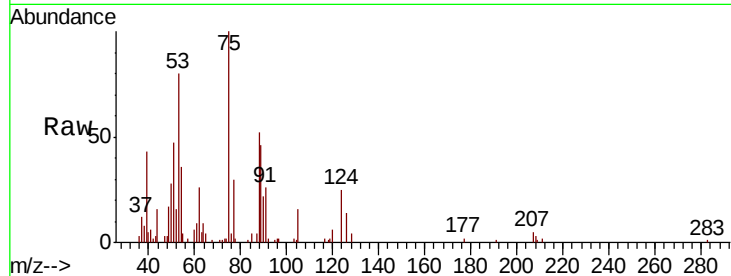
Tot Ion: 75 Resp: 21111

Ion Ratio Lower Upper

75 100

53 79.7 78.3 117.5

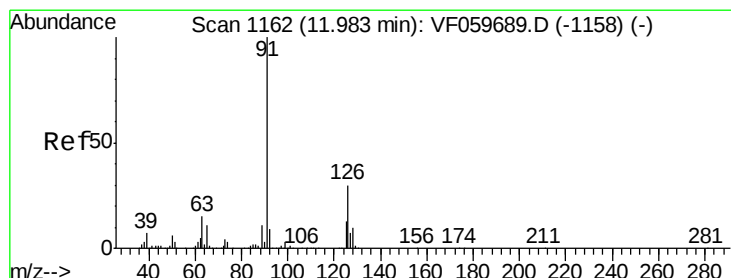
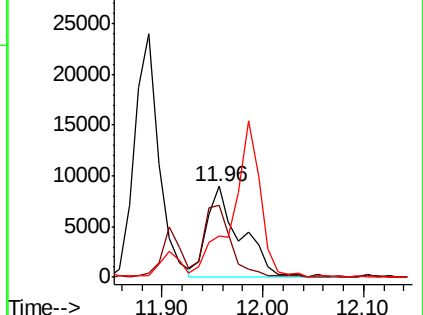
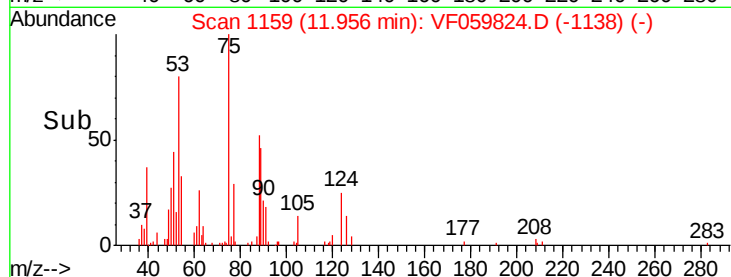
89 45.7 45.4 68.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.678 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059824.D

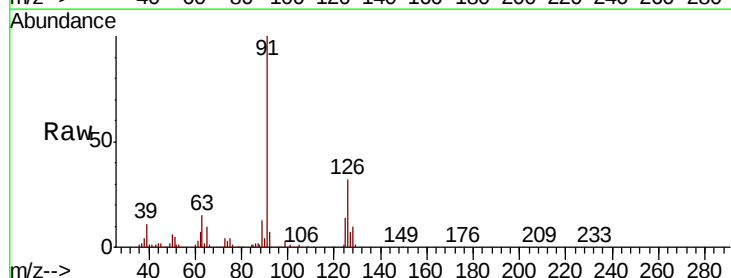
Acq: 3 Aug 2018 3:58

Tgt Ion: 91 Resp: 185827

Ion Ratio Lower Upper

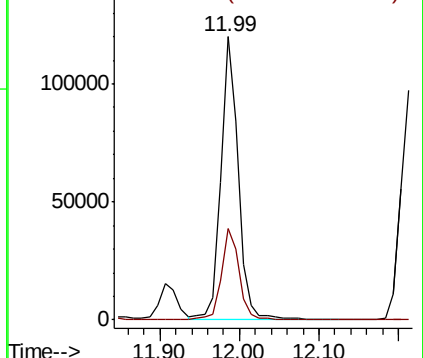
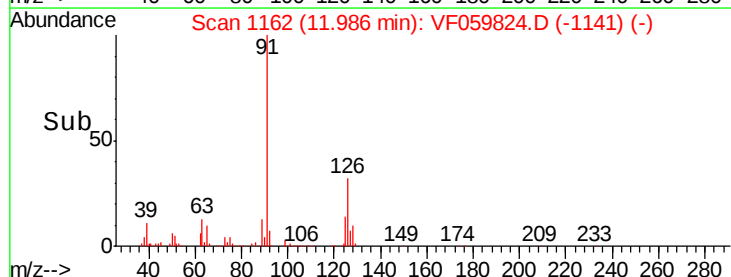
91 100

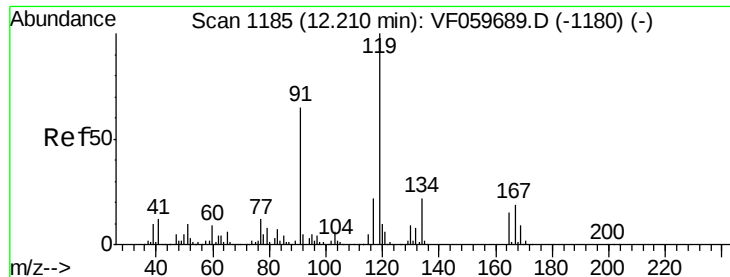
126 32.2 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

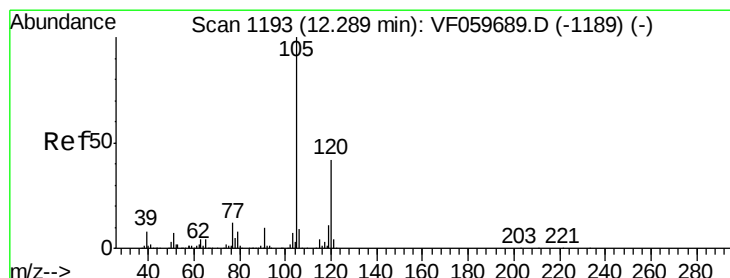
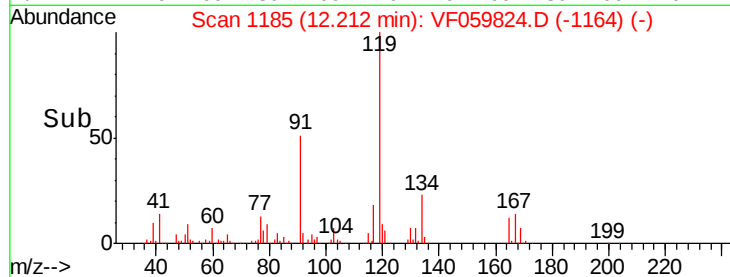
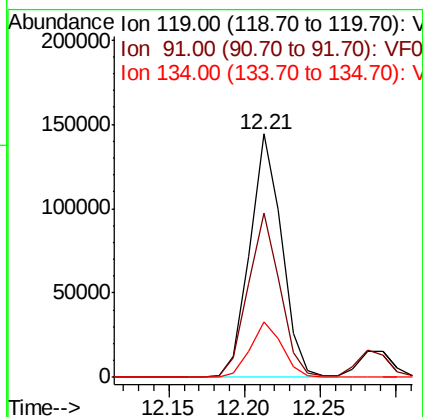
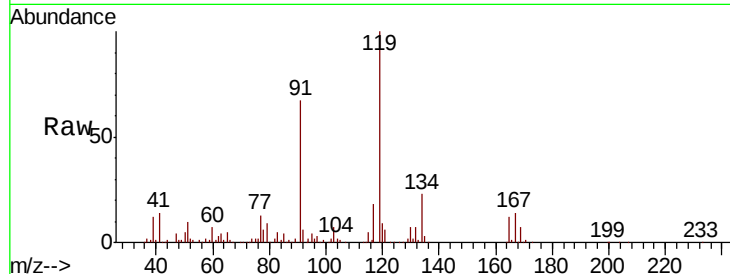




#83
 tert-Butylbenzene
 Concen: 22.840 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

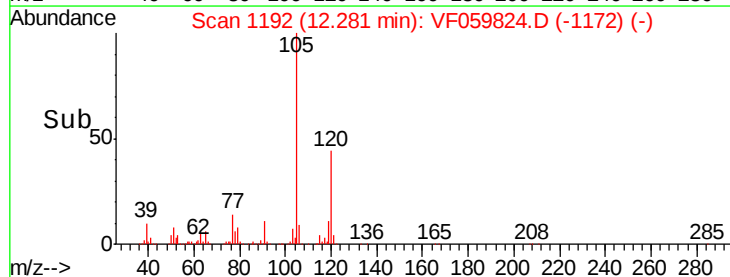
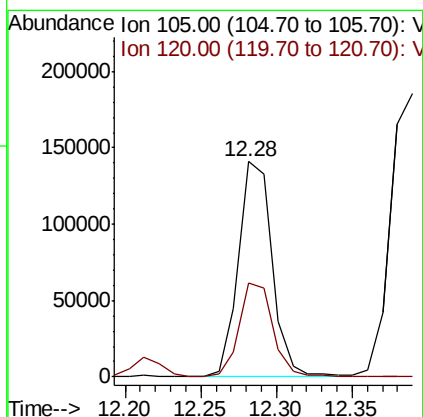
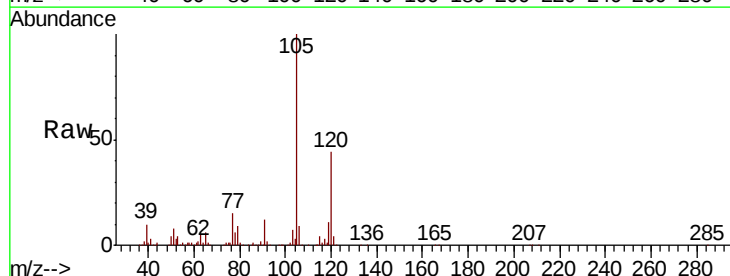
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

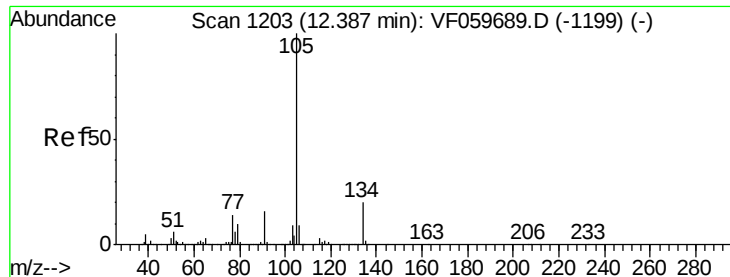
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.8	98.4
134	22.9	10.9	32.7



#84
 1,2,4-Trimethylbenzene
 Concen: 23.490 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.1	63.3

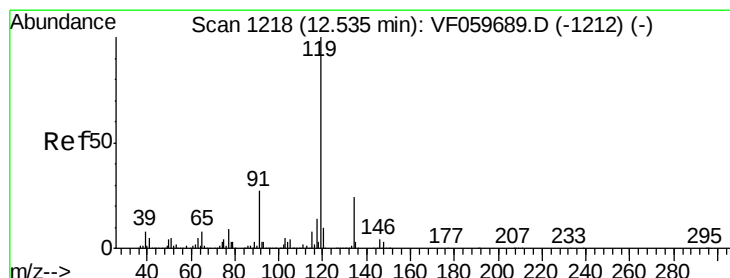
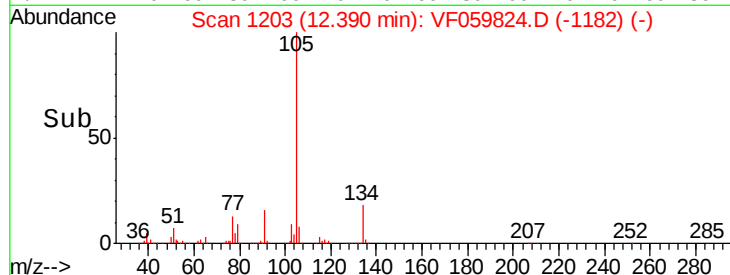
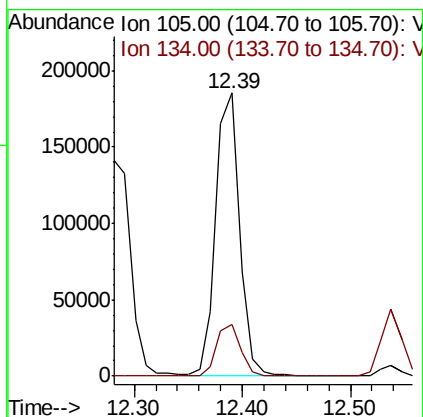
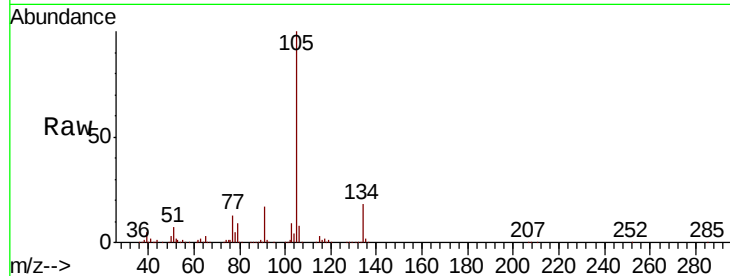




#85
 sec-Butylbenzene
 Concen: 23.882 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

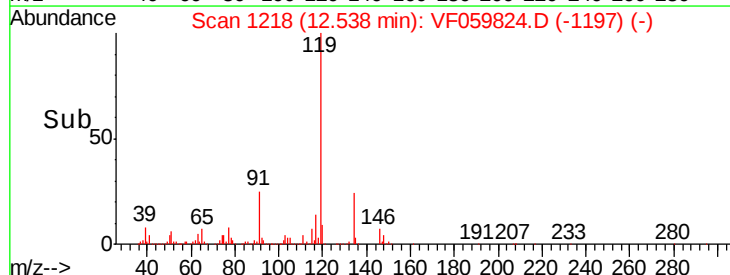
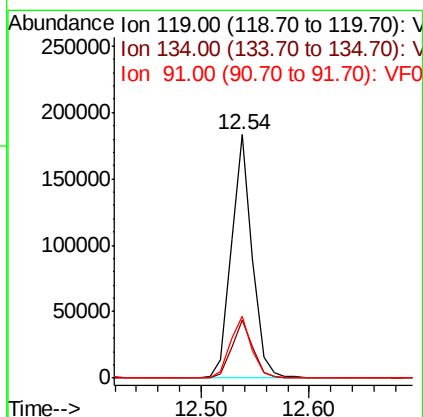
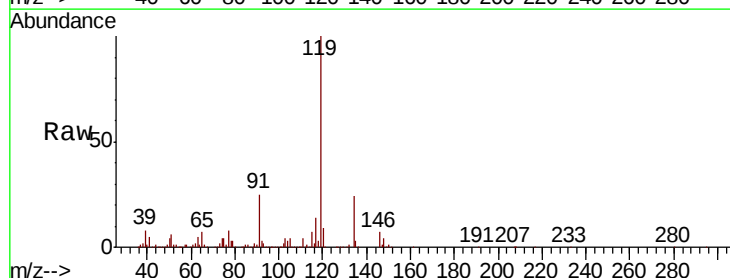
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

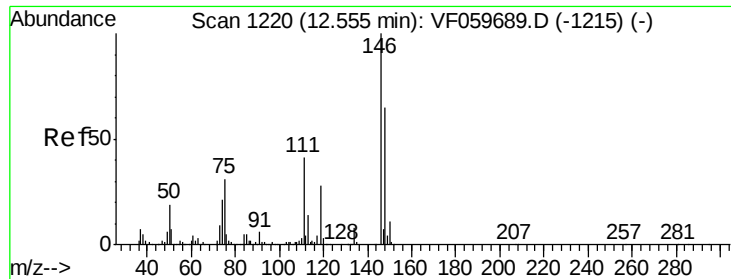
Tot Ion:105 Resp: 285121
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 23.322 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion:119 Resp: 244928
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.2 36.6
 91 25.2 13.4 40.2

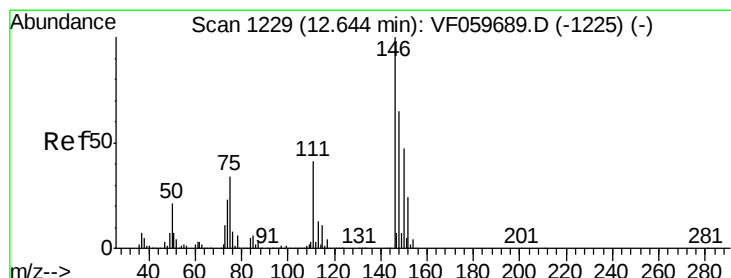
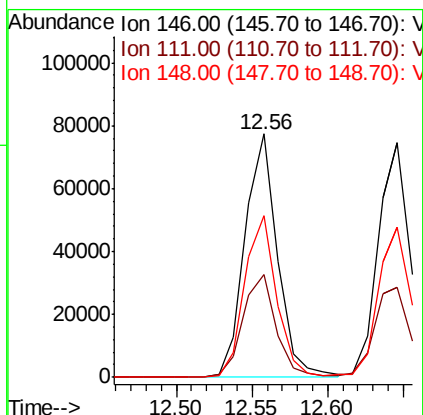
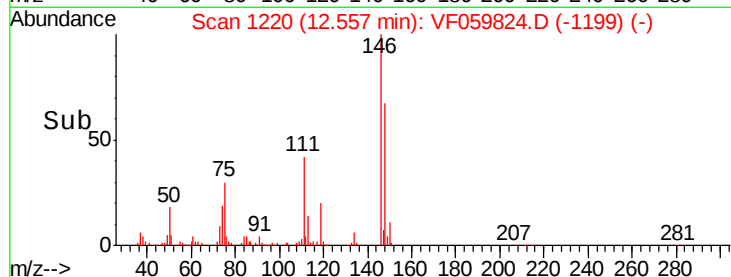
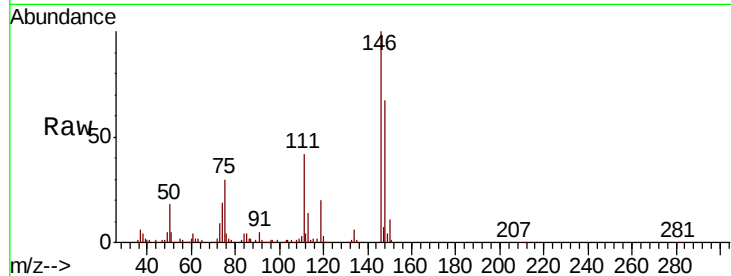




#87
 1,3-Dichlorobenzene
 Concen: 22.907 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

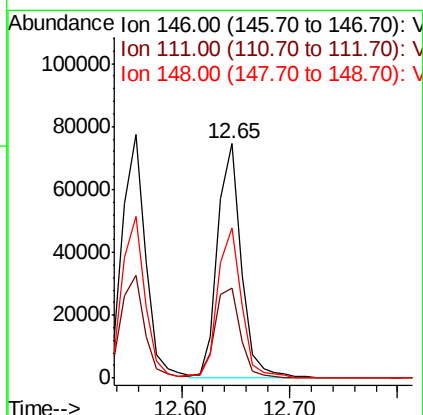
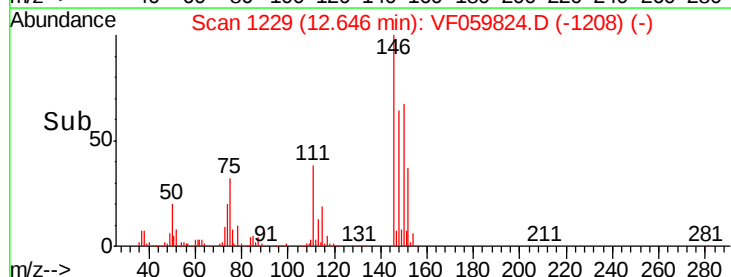
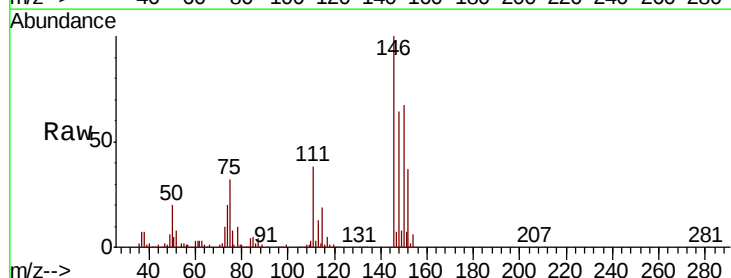
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

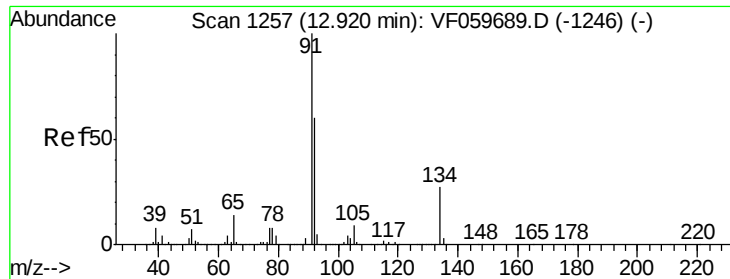
Tot Ion:146 Resp: 116236
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.7 62.1
 148 66.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 22.984 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion:146 Resp: 113704
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.8 62.2
 148 64.4 32.3 96.9

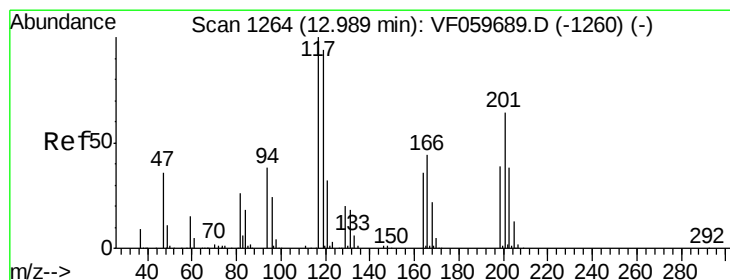
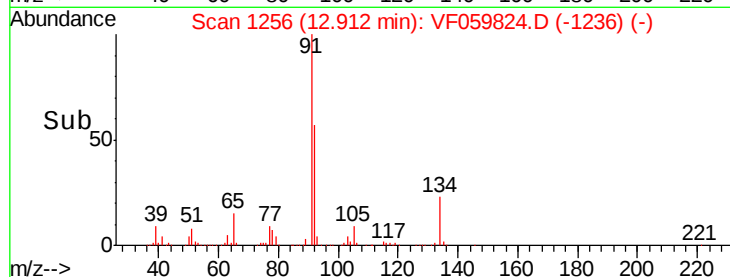
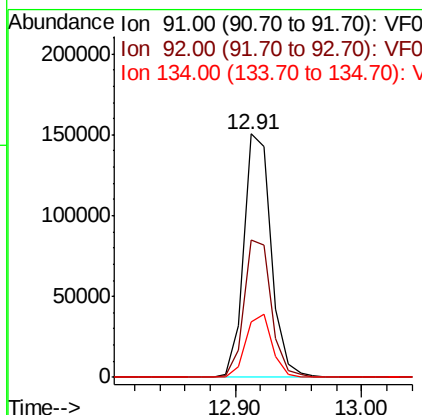
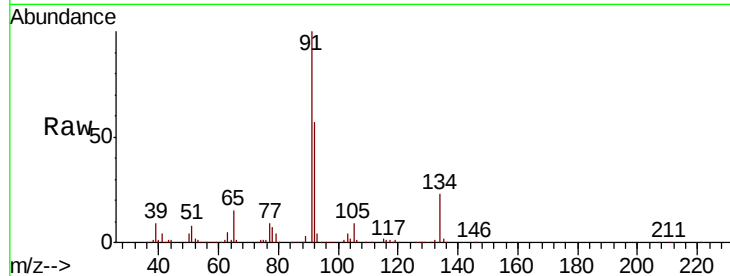




#89
n-Butylbenzene
Concen: 22.472 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

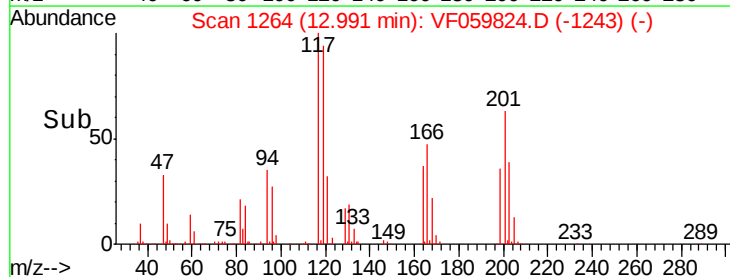
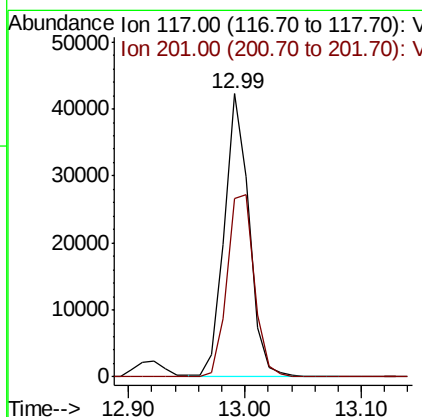
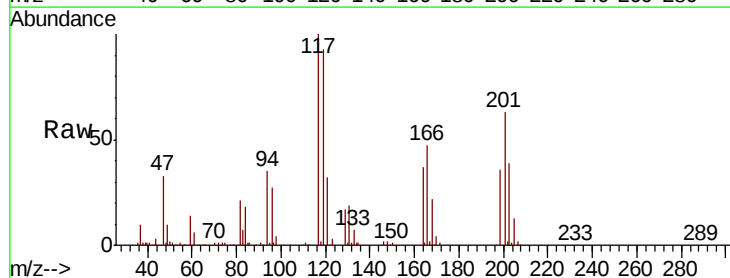
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

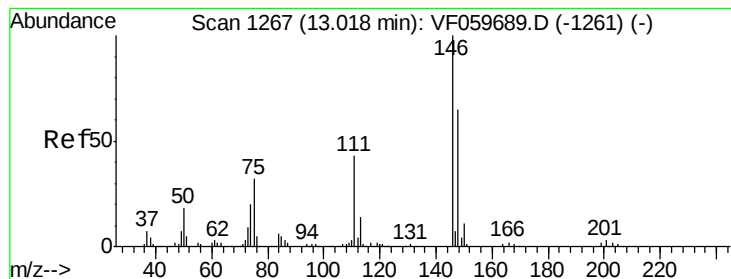
Tot Ion: 91 Resp: 226532
Ion Ratio Lower Upper
91 100
92 56.7 30.1 90.3
134 22.8 13.7 41.0



#90
Hexachloroethane
Concen: 23.639 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion: 117 Resp: 62342
Ion Ratio Lower Upper
117 100
201 64.5 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 24.260 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD02

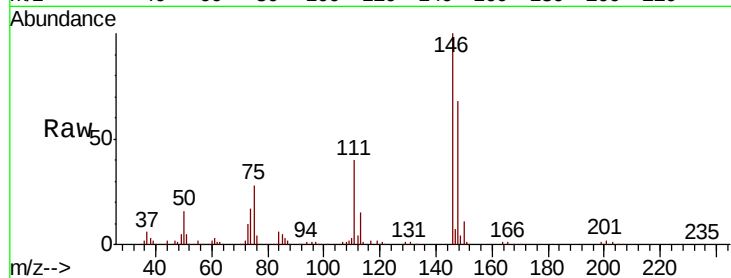
Tot Ion:146 Resp: 115603

Ion Ratio Lower Upper

146 100

111 40.3 21.6 65.0

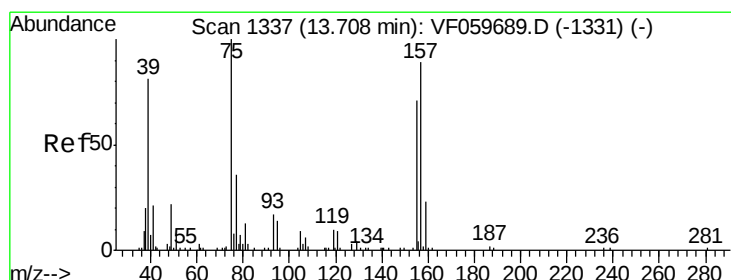
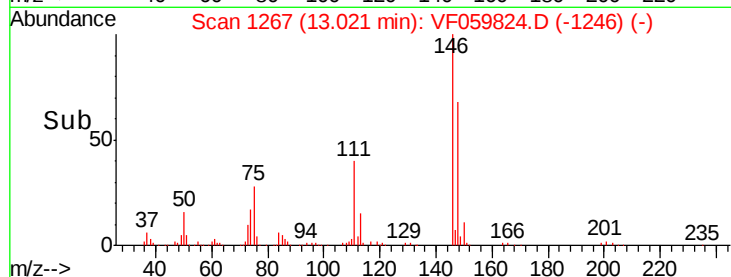
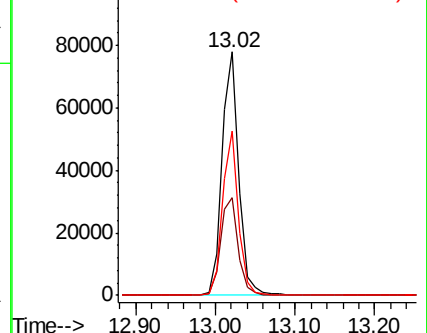
148 67.5 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.241 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059824.D

Acq: 3 Aug 2018 3:58

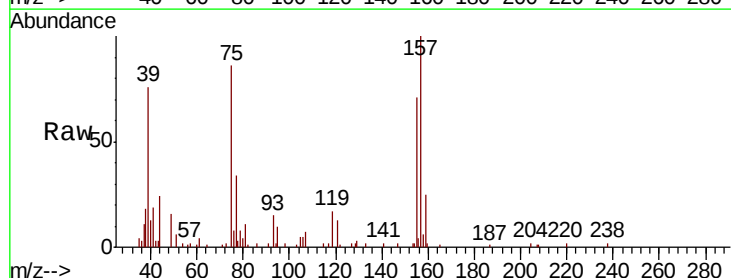
Tgt Ion: 75 Resp: 10701

Ion Ratio Lower Upper

75 100

155 82.0 35.4 106.2

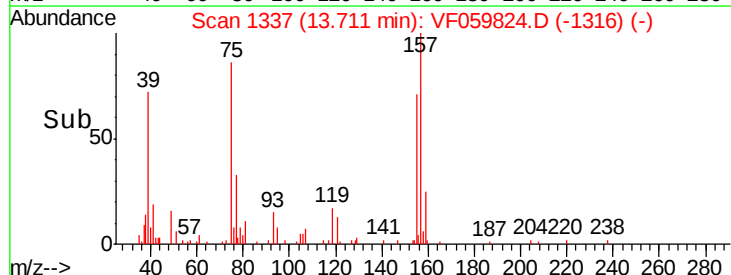
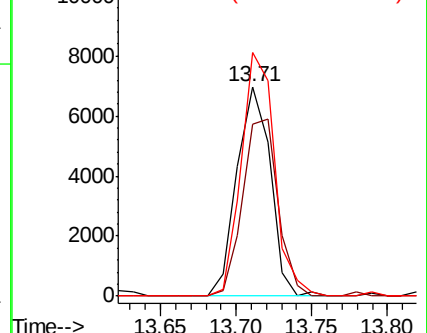
157 116.1 44.4 133.2

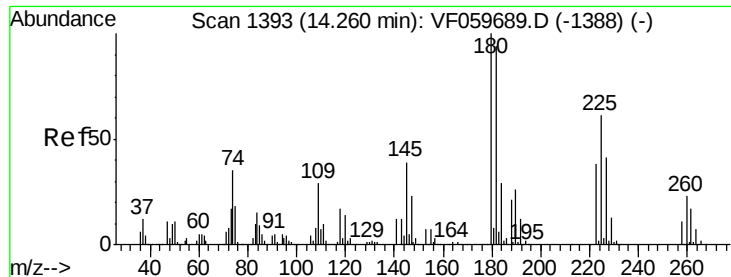


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

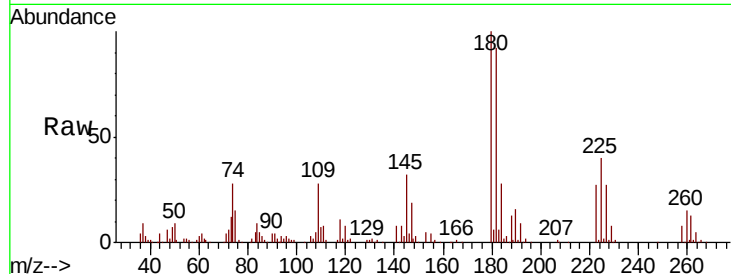




#93
 1,2,4-Trichlorobenzene
 Concen: 23.010 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD02

Tot Ion	180	Resp	88836
Ion Ratio	Lower	Upper	
180	100		
182	91.6	47.2	141.6
145	32.2	19.3	57.9

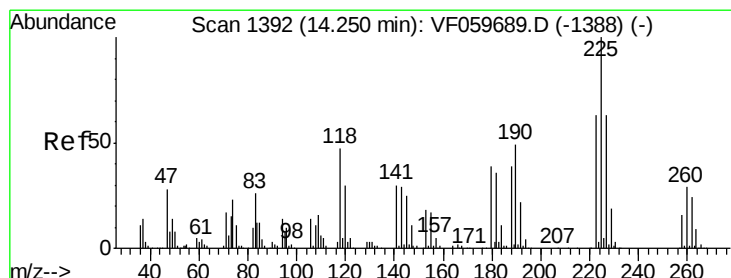
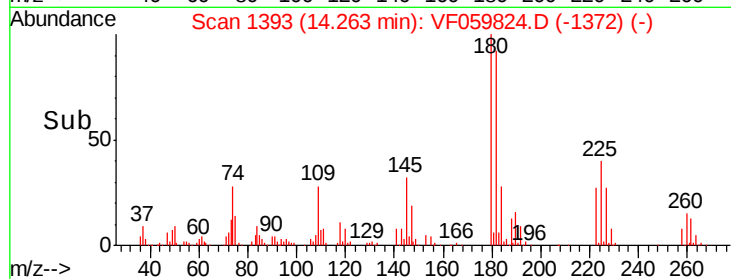
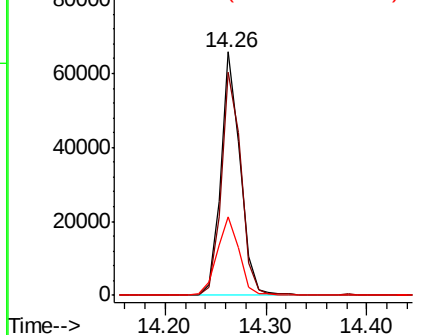


Abundance

Ion 180.00 (179.70 to 180.70): V

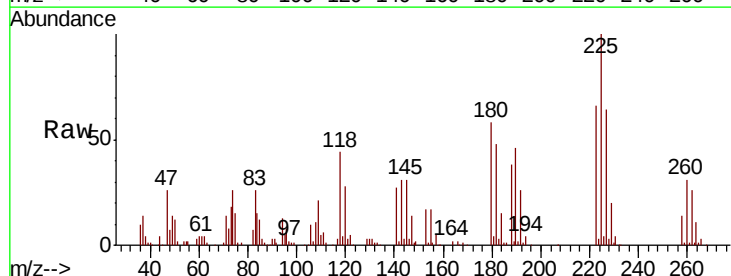
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.082 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059824.D
 Acq: 3 Aug 2018 3:58

Tgt Ion	225	Resp	57717
Ion Ratio	Lower	Upper	
225	100		
223	65.5	31.4	94.2
227	63.8	31.5	94.5

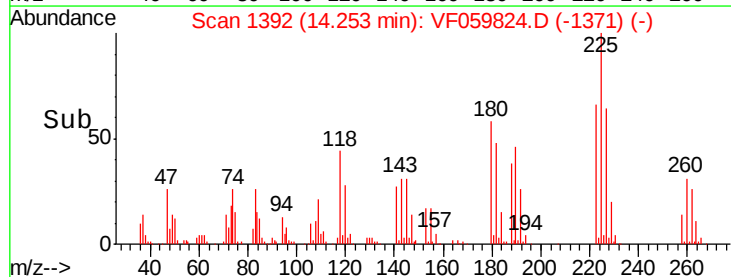
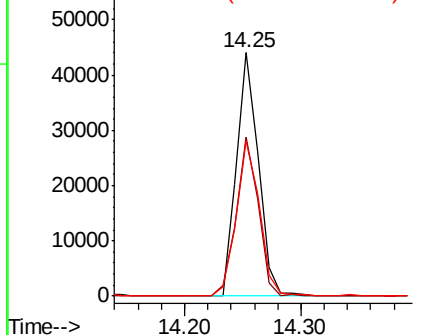


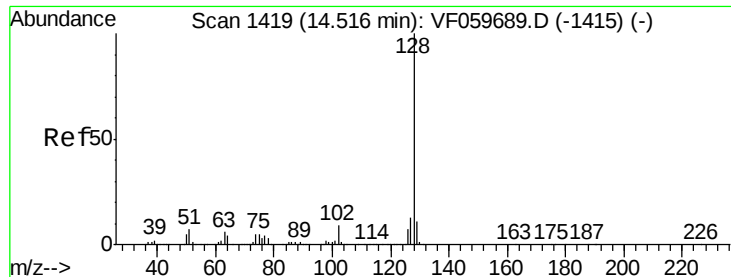
Abundance

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

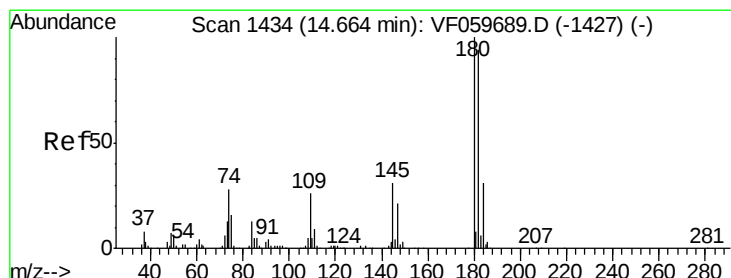
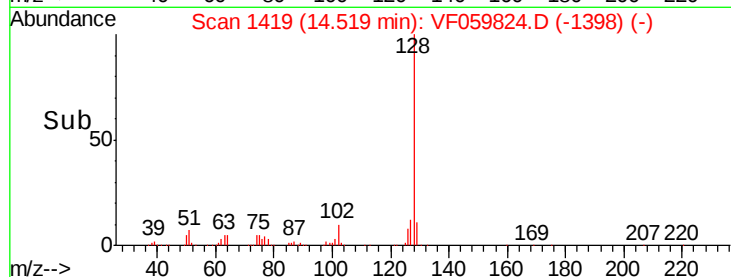
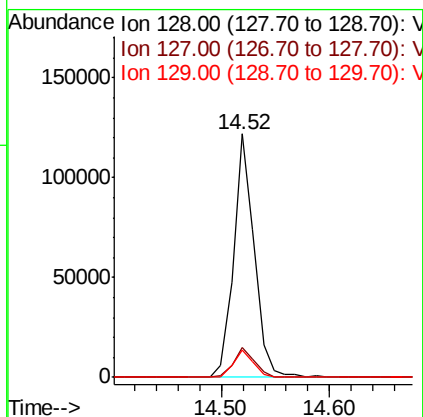
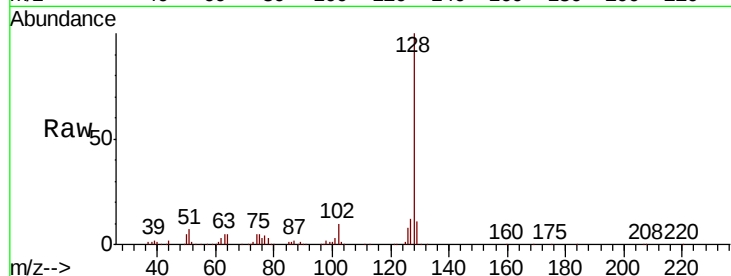




#95
Naphthalene
Concen: 23.675 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	11.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.958 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059824.D
Acq: 3 Aug 2018 3:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.2	141.6
145	32.1	15.6	46.7

