

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059962.D
 Acq On : 15 Aug 2018 00:14
 Operator : VA/AP
 Sample : VF0814SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBSD01

Quant Time: Aug 15 11:02:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	136028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	182423	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	176939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	111192	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	115170	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	4.31	113	90738	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	7.72	98	203277	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.52	95	102447	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	38686	19.19	ug/l	92
3) Chloromethane	1.09	50	18406	21.43	ug/l	89
4) Vinyl Chloride	1.16	62	21623	21.92	ug/l	99
5) Bromomethane	1.35	94	17008	19.16	ug/l	89
6) Chloroethane	1.44	64	13441	20.99	ug/l	98
7) Trichlorofluoromethane	1.53	101	38589	13.39	ug/l	100
8) Diethyl Ether	1.71	74	8660	21.85	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.91	101	26428	18.17	ug/l	97
10) Methyl Iodide	1.98	142	46580	20.51	ug/l	91
11) Tert butyl alcohol	2.70	59	8814	93.29	ug/l #	93
12) 1,1-Dichloroethene	1.87	96	22250	20.64	ug/l	86
13) Acrolein	2.10	56	3332	71.91	ug/l	91
14) Allyl chloride	2.19	41	33195	21.64	ug/l	96
15) Acrylonitrile	3.09	53	14450	100.89	ug/l	95
16) Acetone	2.34	43	40124	85.00	ug/l	99
17) Carbon Disulfide	1.89	76	57689	20.89	ug/l #	91
18) Methyl Acetate	2.46	43	12680	19.32	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	61591	19.89	ug/l	94
20) Methylene Chloride	2.28	84	11488	7.11	ug/l	88
21) trans-1,2-Dichloroethene	2.42	96	21624	20.63	ug/l	97
22) Diisopropyl ether	2.93	45	73263	20.77	ug/l	96
23) Vinyl Acetate	3.35	43	185287	105.81	ug/l	97
24) 1,1-Dichloroethane	3.01	63	49746	19.95	ug/l	98
25) 2-Butanone	4.53	43	46333	97.06	ug/l	96
26) 2,2-Dichloropropane	3.77	77	31124	19.19	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	24507	21.16	ug/l	98
28) Bromochloromethane	3.90	49	17797	19.17	ug/l	83
29) Tetrahydrofuran	4.27	42	17446	106.39	ug/l	100
30) Chloroform	4.06	83	69240	20.22	ug/l	97
31) Cyclohexane	3.88	56	11699	9.38	ug/l #	79
32) 1,1,1-Trichloroethane	4.29	97	55791	19.82	ug/l	97
36) 1,1-Dichloropropene	4.48	75	41633	20.54	ug/l	92
37) Ethyl Acetate	4.30	43	20254	23.36	ug/l	87
38) Carbon Tetrachloride	4.20	117	67609	20.04	ug/l	93

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBSD01

Quant Time: Aug 15 11:02:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	34097	23.15	ug/l	96
40) Benzene	4.83	78	75079	21.89	ug/l	95
41) Methacrylonitrile	4.93	41	8429	19.71	ug/l #	81
42) 1,2-Dichloroethane	5.13	62	55613	20.41	ug/l	94
43) Isopropyl Acetate	7.13	43	18725	19.81	ug/l #	86
44) Trichloroethene	5.69	130	29638	22.45	ug/l	93
45) 1,2-Dichloropropane	6.42	63	19040	20.99	ug/l #	85
46) Dibromomethane	6.27	93	17162	19.17	ug/l #	88
47) Bromodichloromethane	6.57	83	52870	20.47	ug/l	93
48) Methyl methacrylate	6.90	41	13744	19.52	ug/l	89
49) 1,4-Dioxane	6.89	88	2309	433.67	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	96405	105.27	ug/l	99
52) Toluene	7.79	92	51441	20.25	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	42804	20.26	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	41752	20.53	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	18250	21.02	ug/l	92
56) Ethyl methacrylate	8.78	69	18048	19.35	ug/l	94
57) 1,3-Dichloropropane	9.02	76	31964	19.99	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.79	63	11744	93.59	ug/l	100
59) 2-Hexanone	9.65	43	67270	100.71	ug/l	99
60) Dibromochloromethane	8.88	129	33641	19.58	ug/l	94
61) 1,2-Dibromoethane	9.15	107	21946	20.26	ug/l	89
64) Tetrachloroethene	8.33	164	28779	20.89	ug/l	98
65) Chlorobenzene	9.96	112	70254	20.56	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	33090	20.03	ug/l	91
67) Ethyl Benzene	10.06	91	129380	21.43	ug/l	99
68) m/p-Xylenes	10.29	106	85144	41.94	ug/l	96
69) o-Xylene	10.84	106	49788	22.58	ug/l	83
70) Styrene	10.92	104	70534	21.62	ug/l	96
71) Bromoform	10.91	173	21418	20.85	ug/l	93
73) Isopropylbenzene	11.24	105	153899	22.01	ug/l	98
74) N-amyl acetate	11.48	43	31960	20.74	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	25361	21.57	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	20705	20.43	ug/l	86
77) Bromobenzene	11.61	156	39138	21.33	ug/l	95
78) n-propylbenzene	11.70	91	181997	22.18	ug/l	99
79) 2-Chlorotoluene	11.83	91	111956	21.77	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	143082	21.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	12606	30.43	ug/l	85
82) 4-Chlorotoluene	12.00	91	115734	20.40	ug/l	99
83) tert-Butylbenzene	12.23	119	146390	22.82	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	143501	21.86	ug/l	100
85) sec-Butylbenzene	12.40	105	180362	22.07	ug/l	100
86) p-Isopropyltoluene	12.55	119	157919	21.93	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	74655	21.45	ug/l	99
88) 1,4-Dichlorobenzene	12.66	146	73526	21.45	ug/l	96
89) n-Butylbenzene	12.93	91	147616	21.28	ug/l	97
90) Hexachloroethane	13.01	117	40157	22.53	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	73111	21.66	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6431	20.19	ug/l	97

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Misc : 5.00g/5mL/MSVOA F/SOIL
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Instrument :
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ClientSampleId :
VF0814SBSD01

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Quant Title : SW846 8260
QLast Update : Wed Aug 15 09:20:23 2018
Response via : Initial Calibration

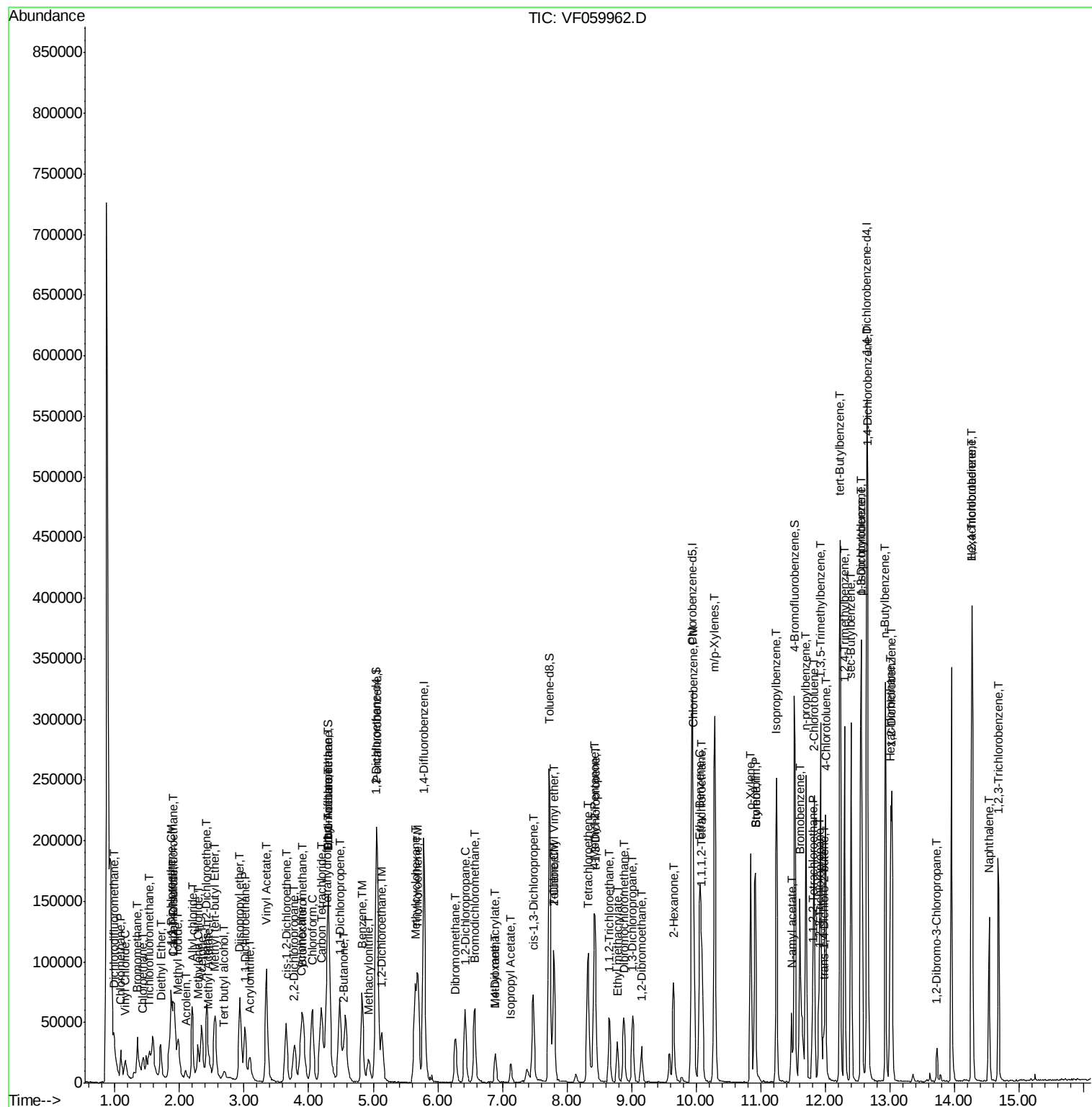
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	59531	22.00	ug/l	93
94) Hexachlorobutadiene	14.27	225	42852	22.15	ug/l	98
95) Naphthalene	14.54	128	89372	20.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	53740	20.81	ug/l	96

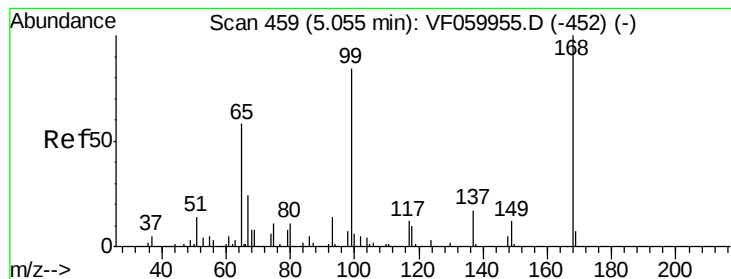
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VF059962.D
 Acq On : 15 Aug 2018 00:14
 Operator : VA/AP
 Sample : VF0814SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

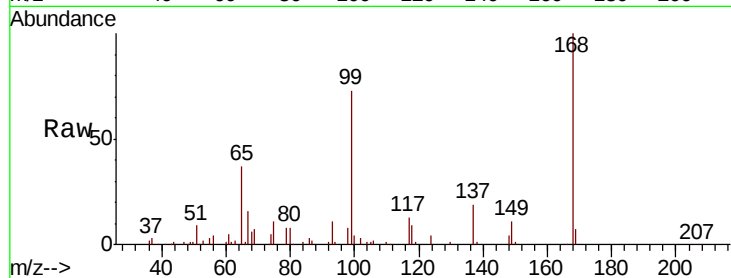
VF0814SBS01

Tot Ion:168 Resp: 136028

Ion Ratio Lower Upper

168 100

99 72.6 67.4 101.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

30000

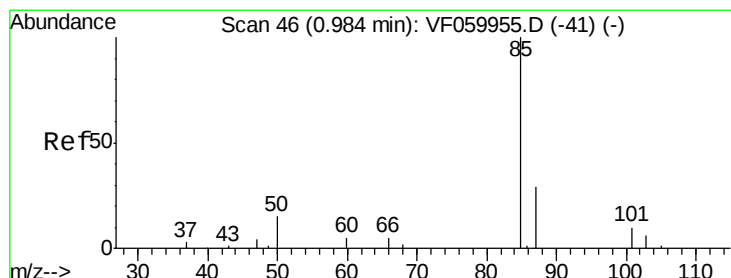
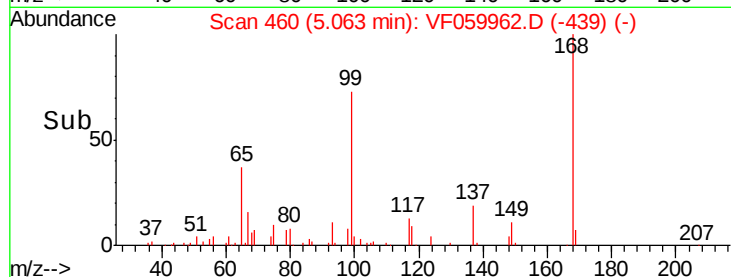
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.19 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059962.D

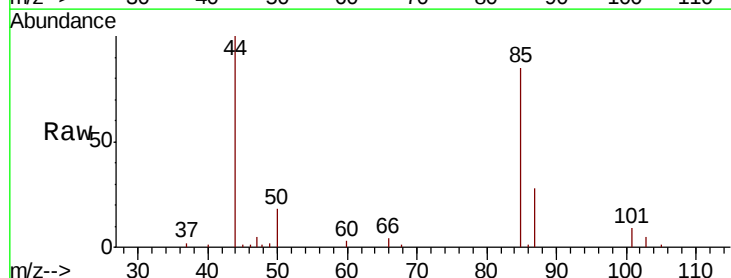
Acq: 15 Aug 2018 00:14

Tgt Ion: 85 Resp: 38686

Ion Ratio Lower Upper

85 100

87 33.1 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

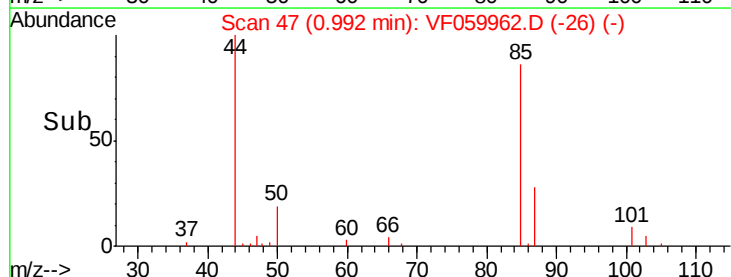
10000

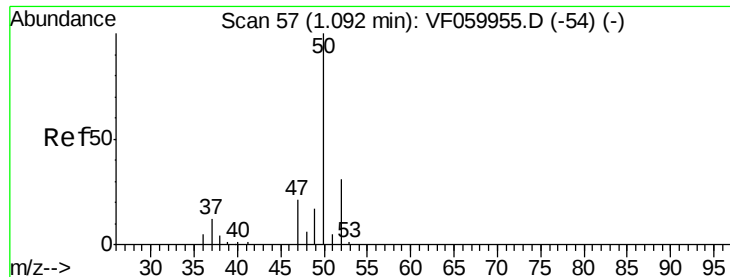
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.43 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

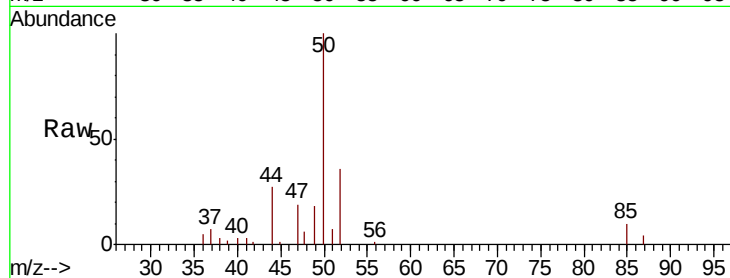
VF0814SBS01

Tot Ion: 50 Resp: 18406

Ion Ratio Lower Upper

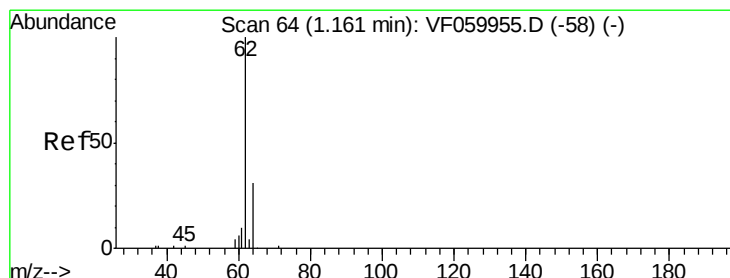
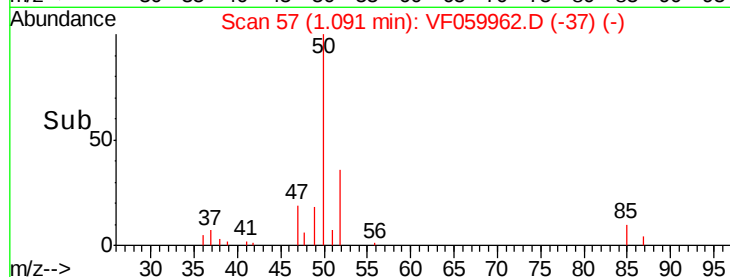
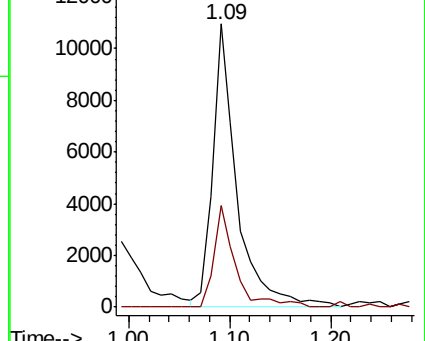
50 100

52 36.1 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.92 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059962.D

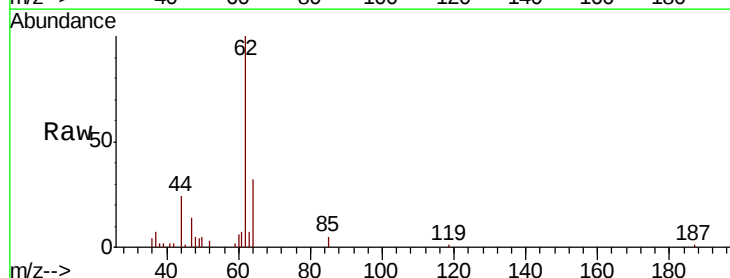
Acq: 15 Aug 2018 00:14

Tgt Ion: 62 Resp: 21623

Ion Ratio Lower Upper

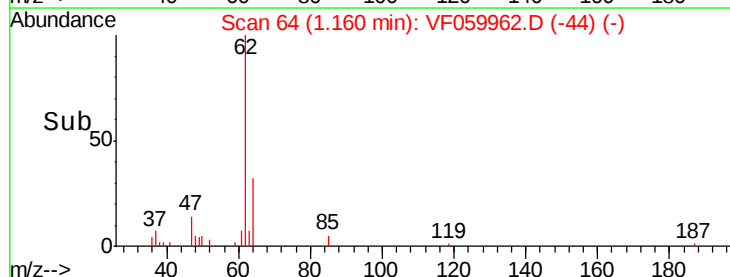
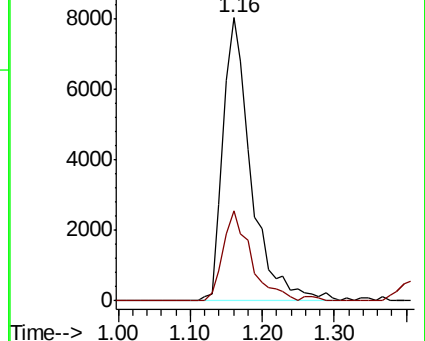
62 100

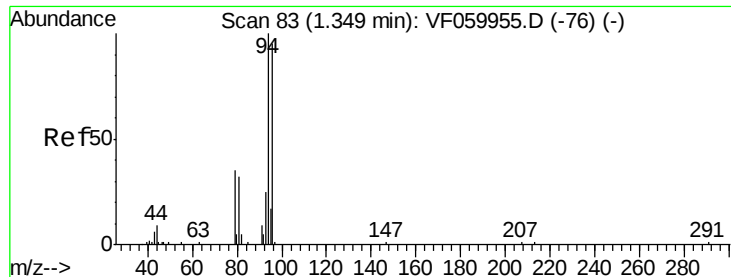
64 31.7 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 19.16 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

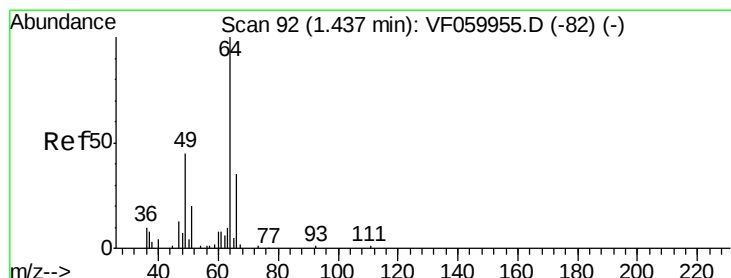
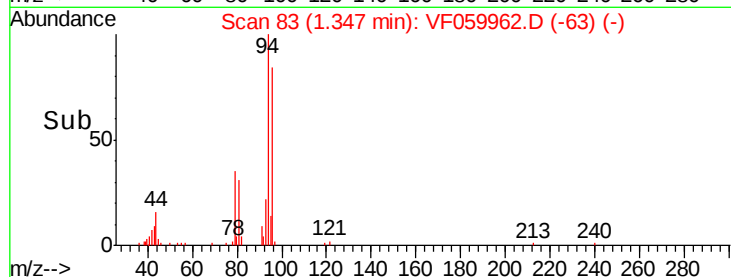
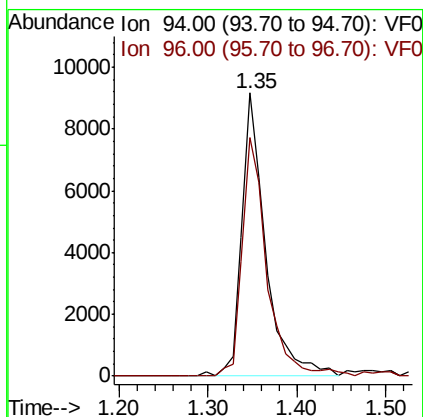
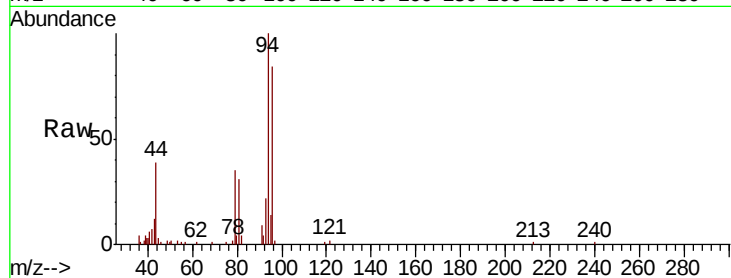
VF0814SBS01

Tot Ion: 94 Resp: 17008

Ion Ratio Lower Upper

94 100

96 84.3 76.3 114.5



#6

Chloroethane

Concen: 20.99 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059962.D

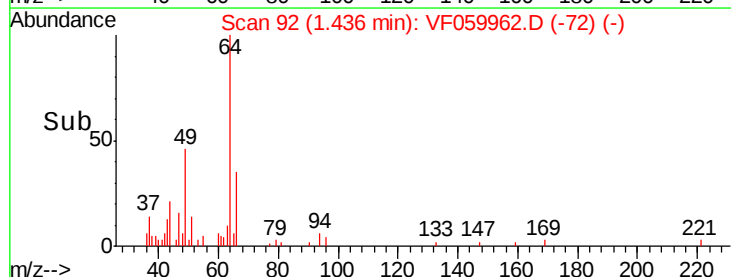
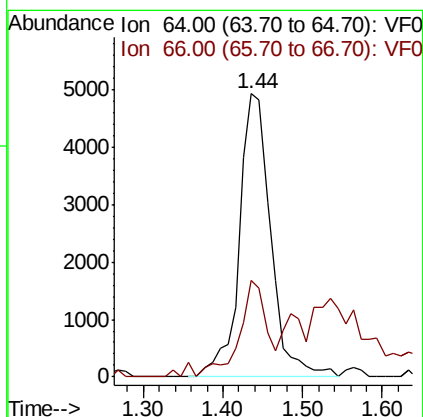
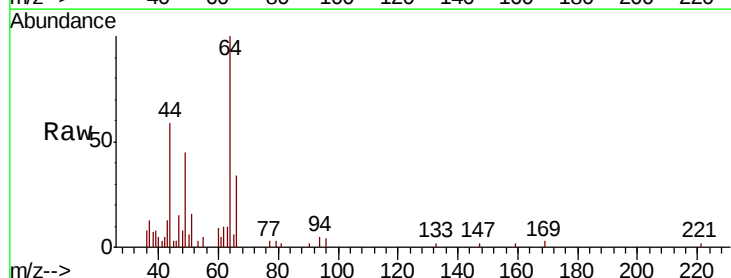
Acq: 15 Aug 2018 00:14

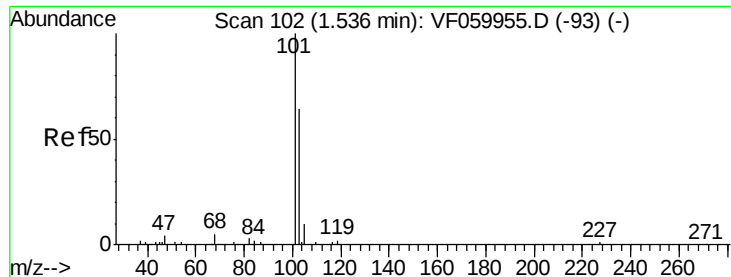
Tgt Ion: 64 Resp: 13441

Ion Ratio Lower Upper

64 100

66 34.0 28.2 42.2





#7

Trichlorofluoromethane

Concen: 13.39 ug/l

RT: 1.53 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

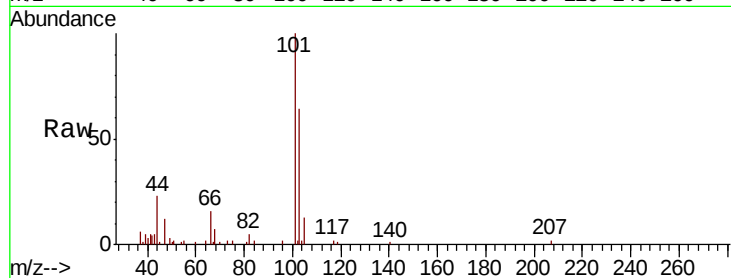
VF0814SBSD01

Tot Ion:101 Resp: 38589

Ion Ratio Lower Upper

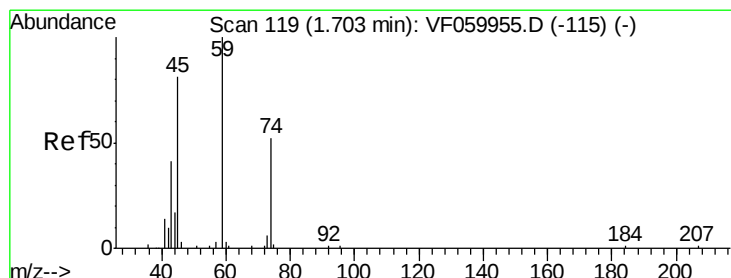
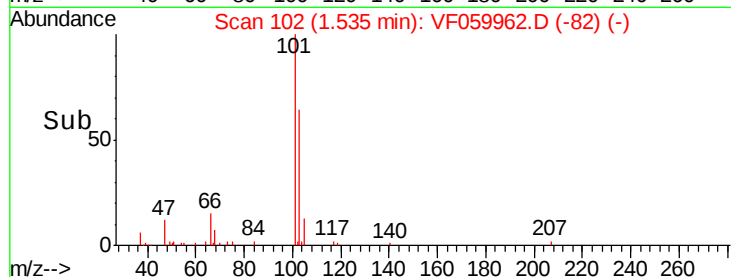
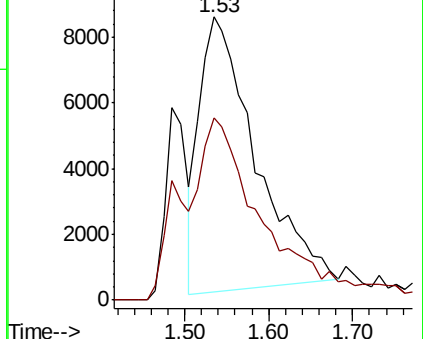
101 100

103 64.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.85 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF059962.D

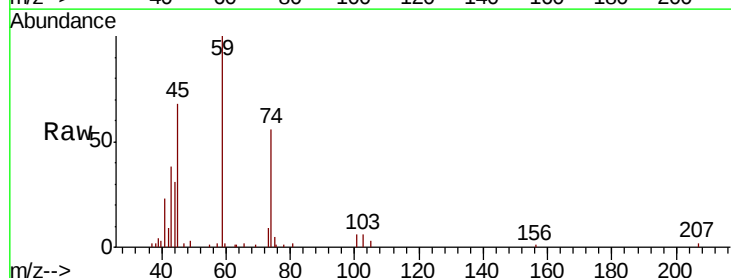
Acq: 15 Aug 2018 00:14

Tgt Ion: 74 Resp: 8660

Ion Ratio Lower Upper

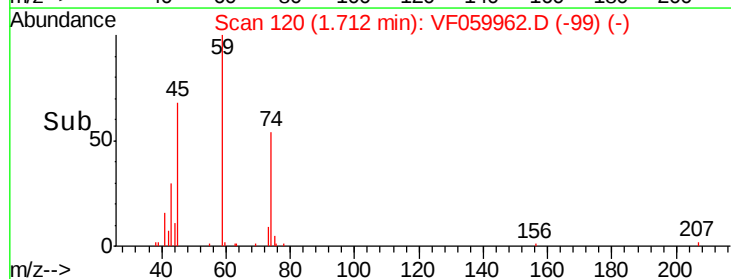
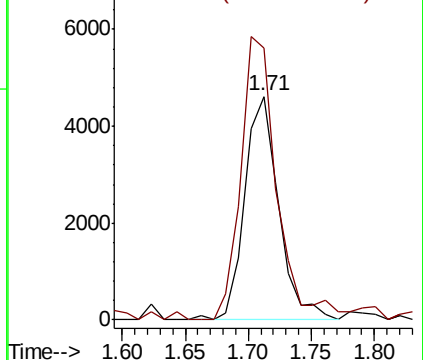
74 100

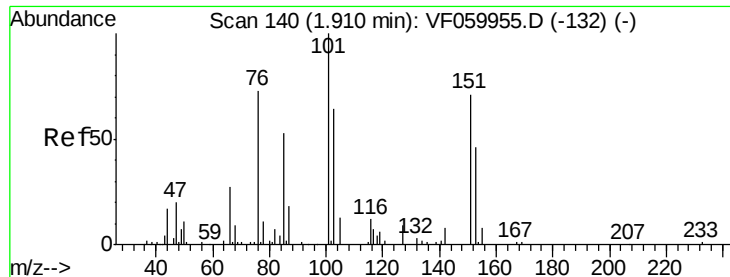
45 121.6 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.17 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF059962.D

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VF0814SBS01

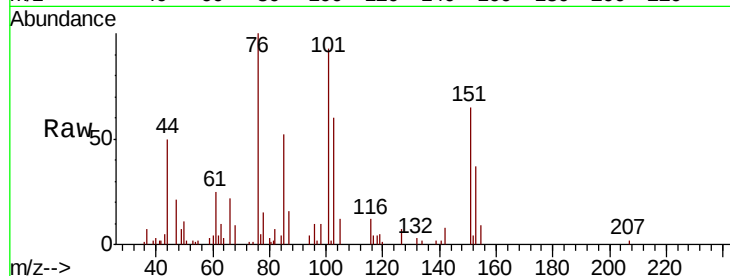
Tot Ion:101 Resp: 26428

Ion Ratio Lower Upper

101 100

85 55.7 42.1 63.1

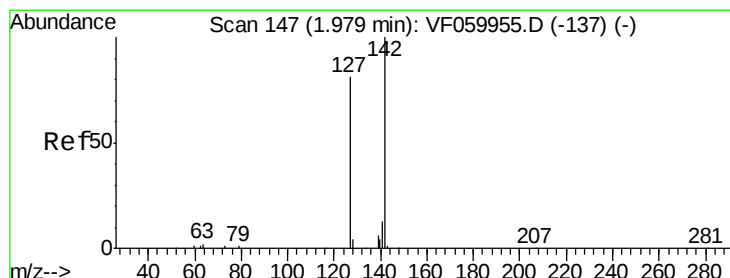
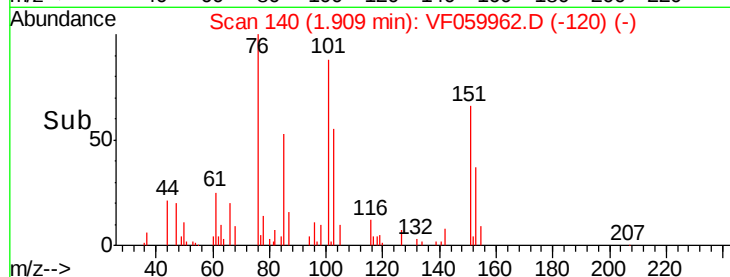
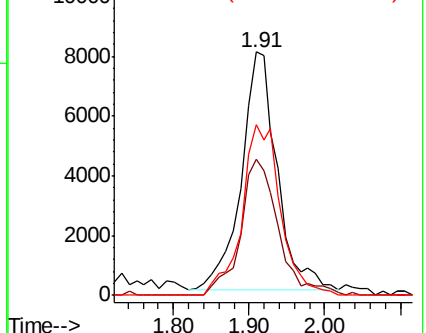
151 70.0 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 20.51 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

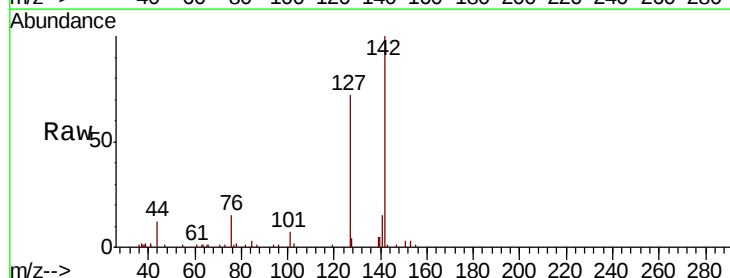
Tgt Ion:142 Resp: 46580

Ion Ratio Lower Upper

142 100

127 71.7 64.5 96.7

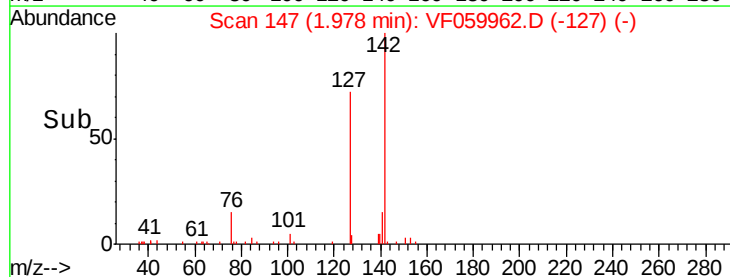
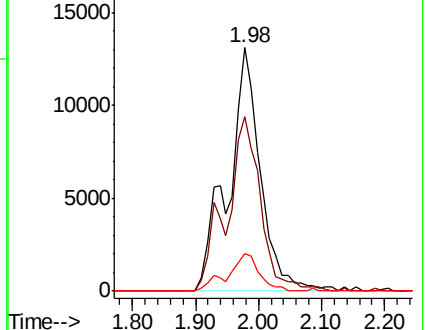
141 15.2 10.8 16.2

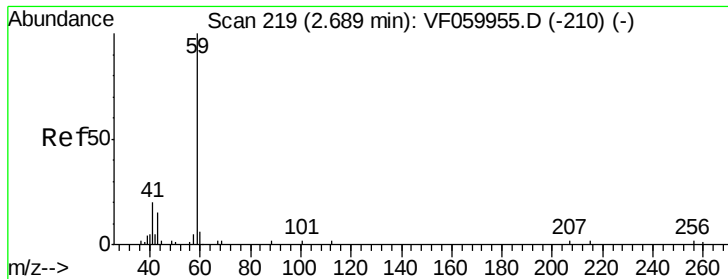


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

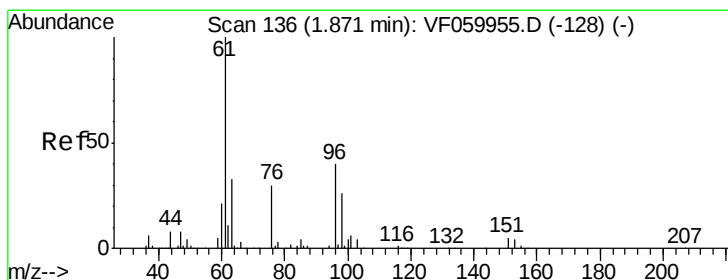
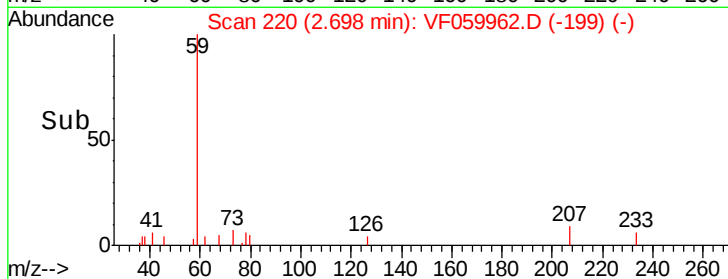
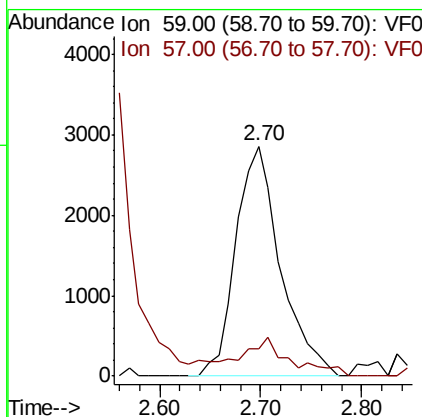
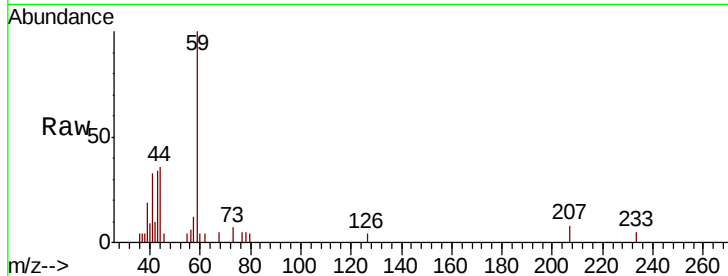




#11
Tert butyl alcohol
Concen: 93.29 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

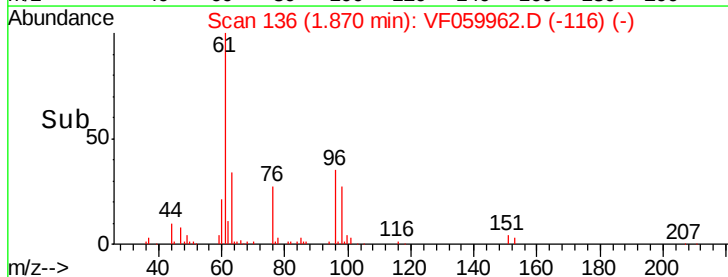
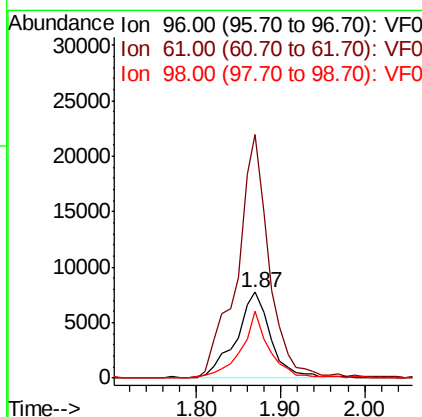
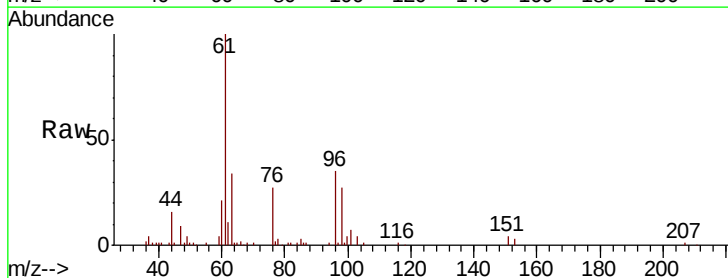
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

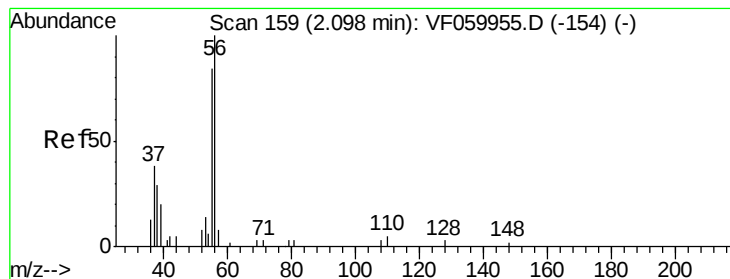
Tot Ion: 59 Resp: 8814
Ion Ratio Lower Upper
59 100
57 11.9 12.0 18.0#



#12
1,1-Dichloroethene
Concen: 20.64 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 96 Resp: 22250
Ion Ratio Lower Upper
96 100
61 275.0 201.0 301.4
98 75.5 51.9 77.9





#13

Acrolein

Concen: 71.91 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

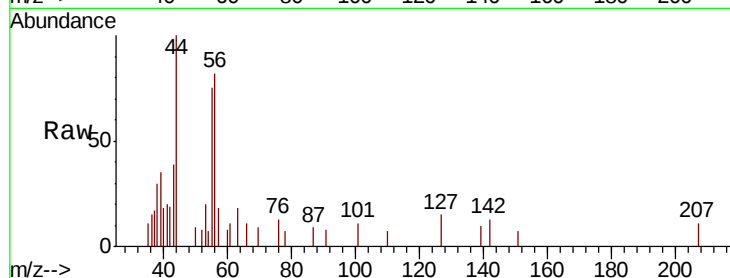
VF0814SBSD01

Tot Ion: 56 Resp: 3332

Ion Ratio Lower Upper

56 100

55 92.1 67.4 101.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

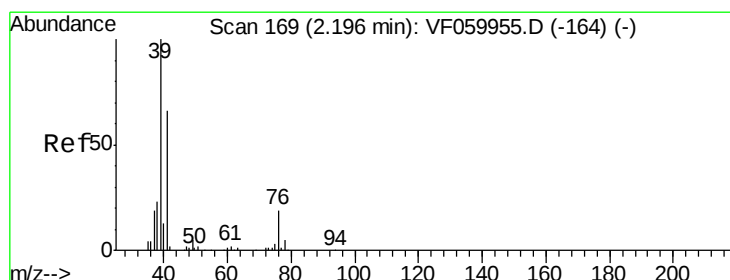
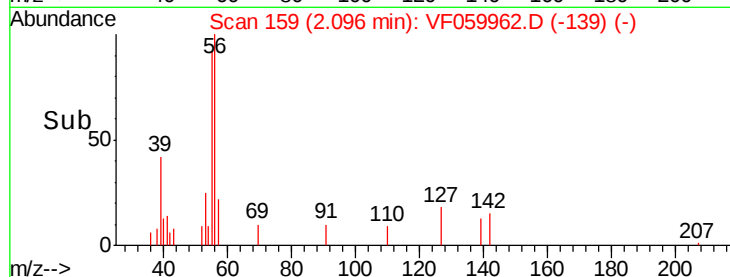
1000

500

0

Time-->

2.00 2.10 2.20



#14

Allyl chloride

Concen: 21.64 ug/l

RT: 2.19 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

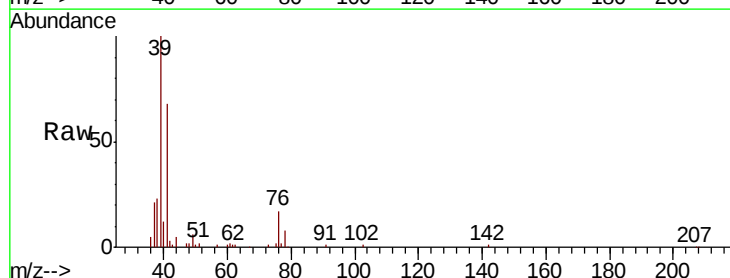
Tgt Ion: 41 Resp: 33195

Ion Ratio Lower Upper

41 100

39 147.8 121.0 181.4

76 24.9 23.6 35.4



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

30000

25000

20000

15000

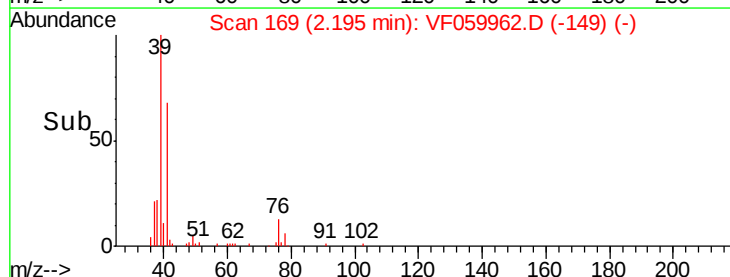
10000

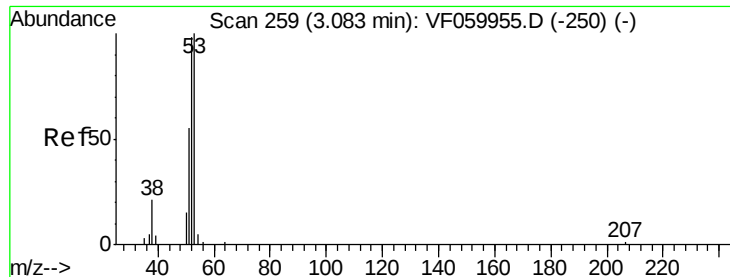
5000

0

Time-->

2.10 2.20 2.30

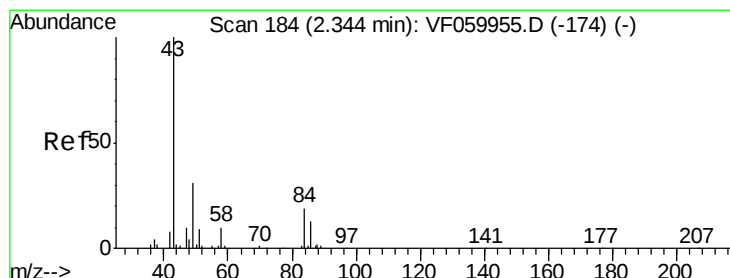
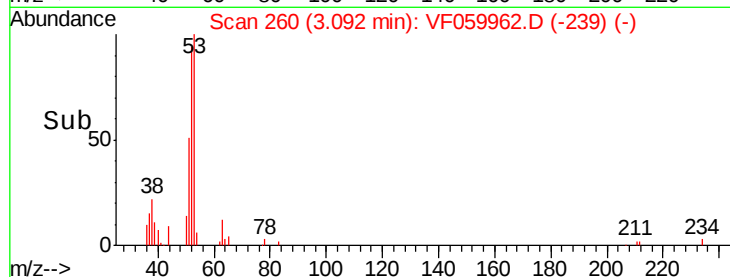
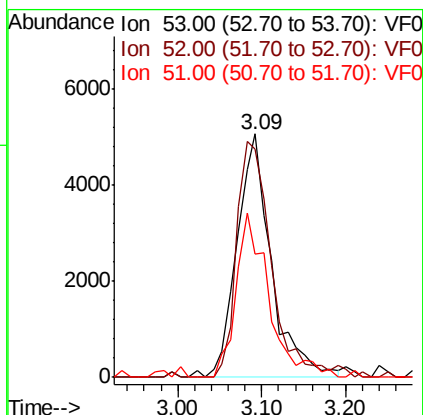
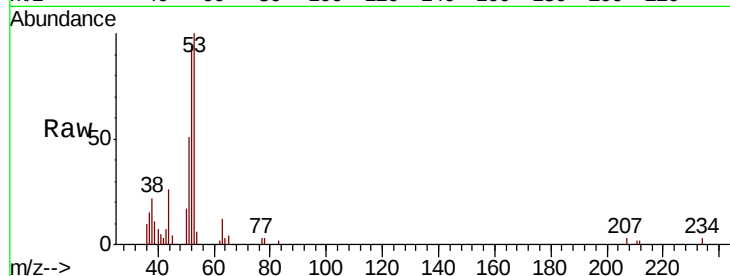




#15
 Acrylonitrile
 Concen: 100.89 ug/l
 RT: 3.09 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

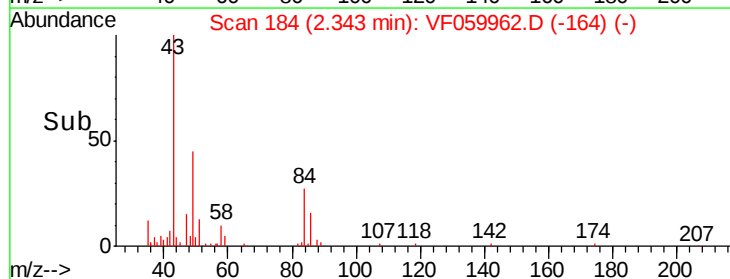
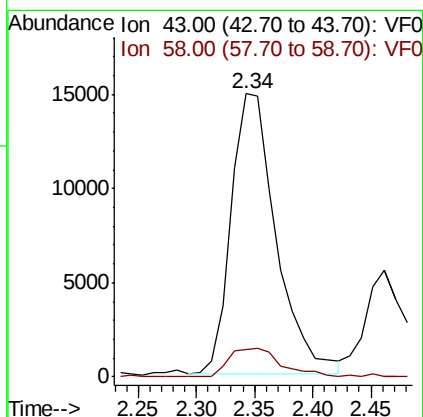
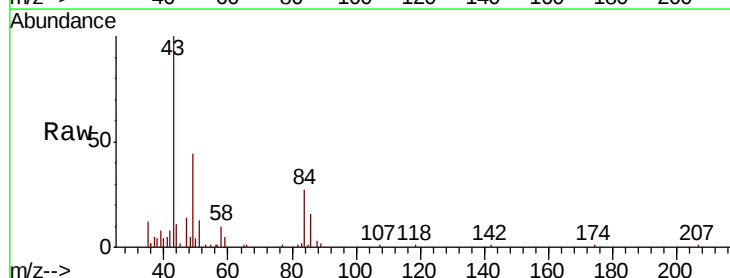
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

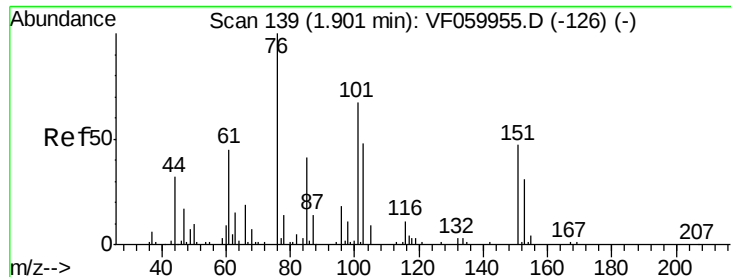
Tot Ion: 53 Resp: 14450
 Ion Ratio Lower Upper
 53 100
 52 93.8 78.1 117.1
 51 50.8 44.2 66.4



#16
 Acetone
 Concen: 85.00 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

Tgt Ion: 43 Resp: 40124
 Ion Ratio Lower Upper
 43 100
 58 9.8 8.1 12.1

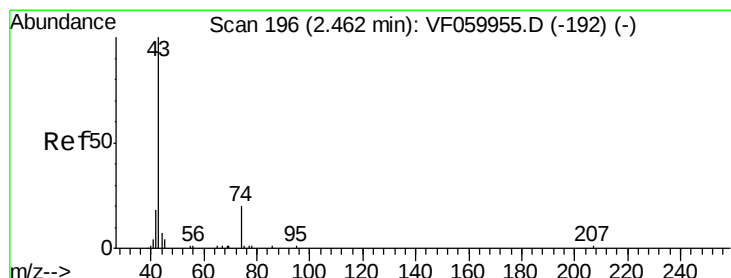
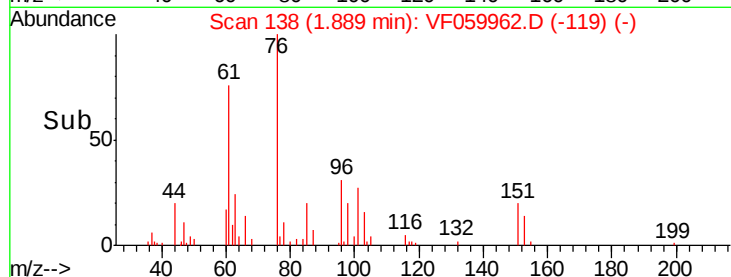
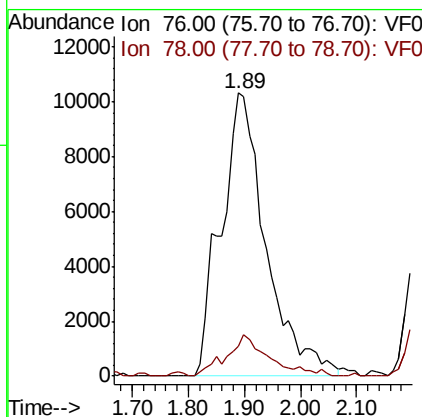
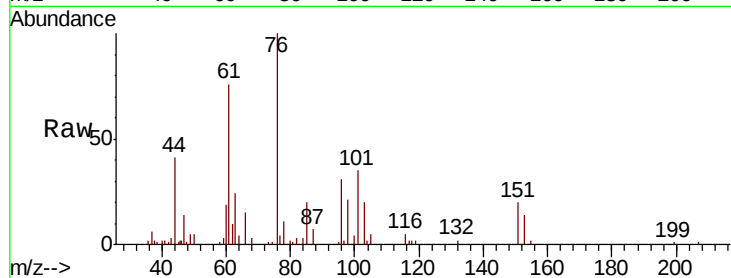




#17
Carbon Disulfide
Concen: 20.89 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

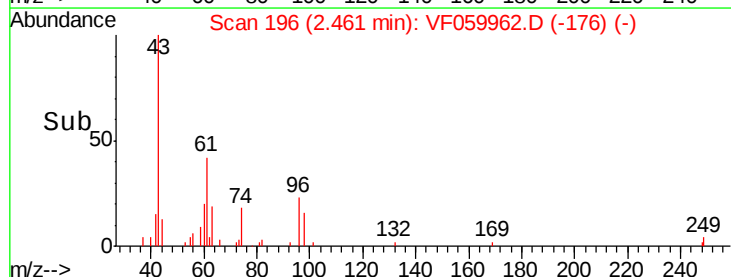
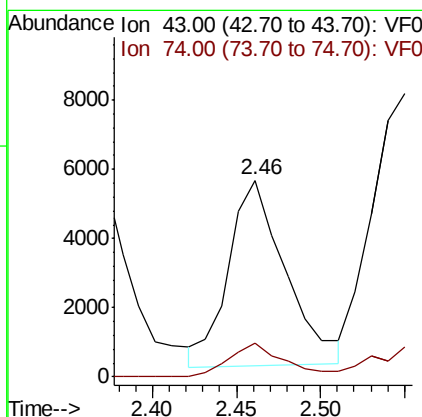
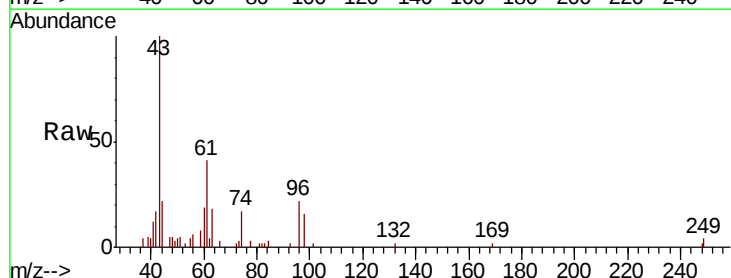
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

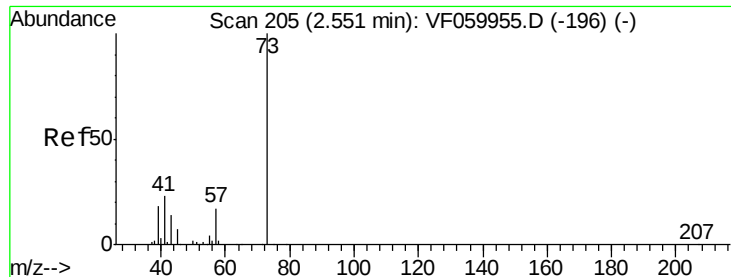
Tot Ion: 76 Resp: 57689
Ion Ratio Lower Upper
76 100
78 10.5 11.4 17.0#



#18
Methyl Acetate
Concen: 19.32 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 43 Resp: 12680
Ion Ratio Lower Upper
43 100
74 17.1 14.3 21.5



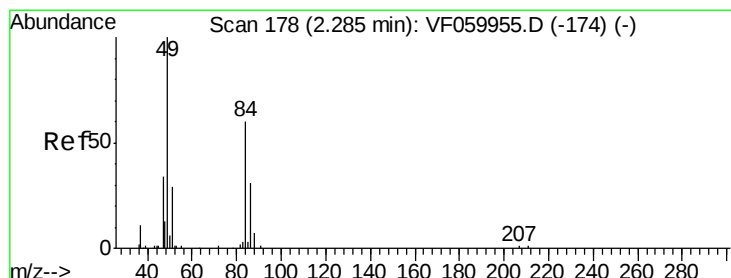
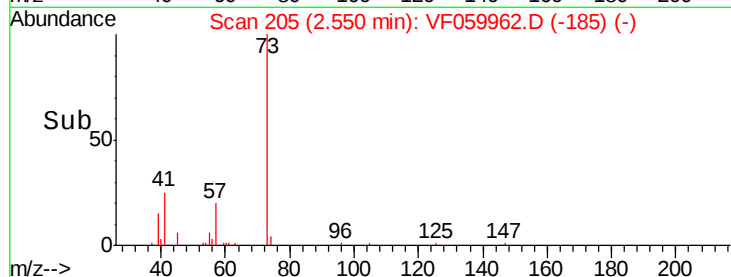
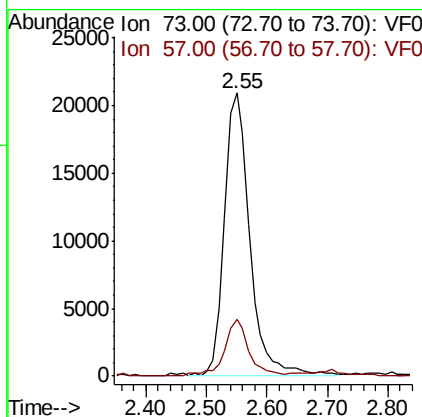
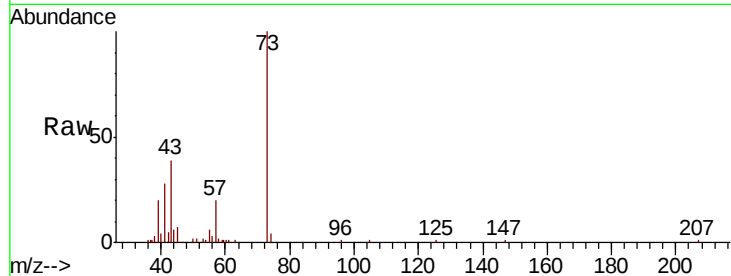


#19

Methyl tert-butyl Ether
 Concen: 19.89 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBSD01

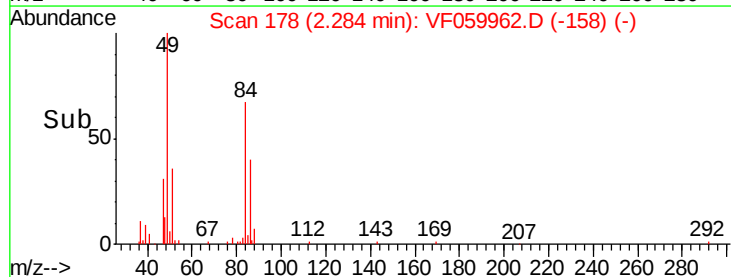
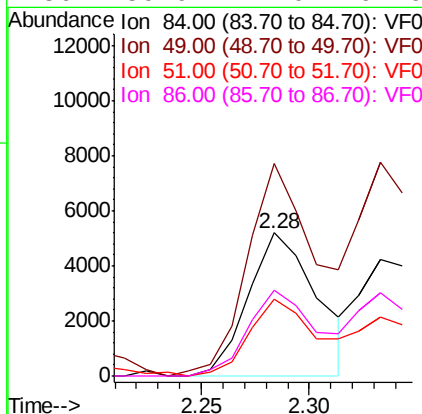
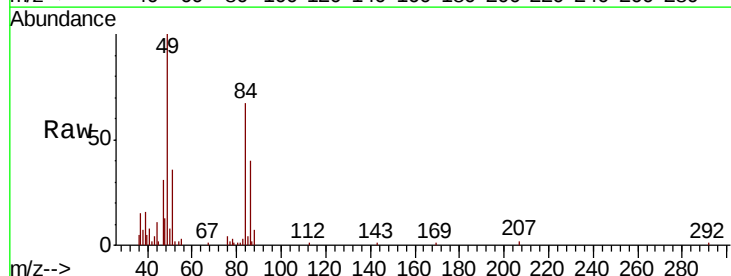
Tot Ion: 73 Resp: 61591
 Ion Ratio Lower Upper
 73 100
 57 20.1 14.0 21.0

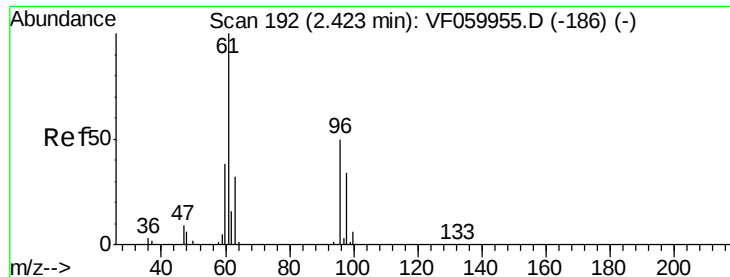


#20

Methylene Chloride
 Concen: 7.11 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. -0.00 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

Tgt Ion: 84 Resp: 11488
 Ion Ratio Lower Upper
 84 100
 49 149.2 134.8 202.2
 51 54.2 39.8 59.6
 86 59.9 41.0 61.6





#21

trans-1,2-Dichloroethene

Concen: 20.63 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

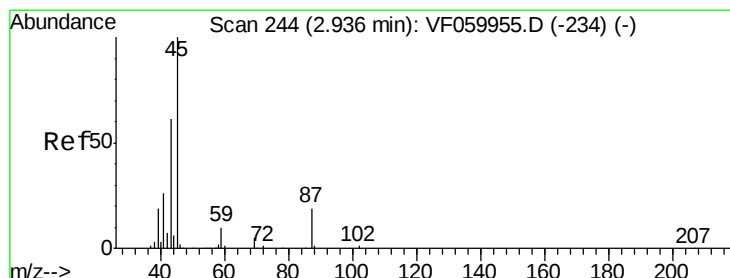
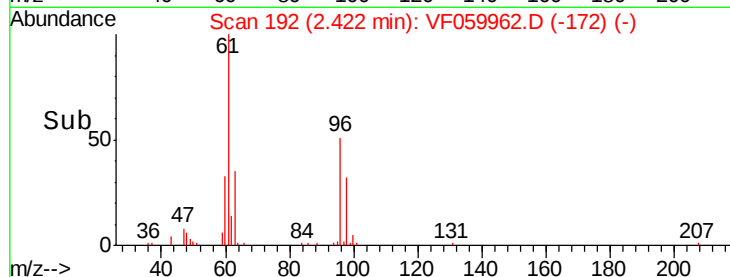
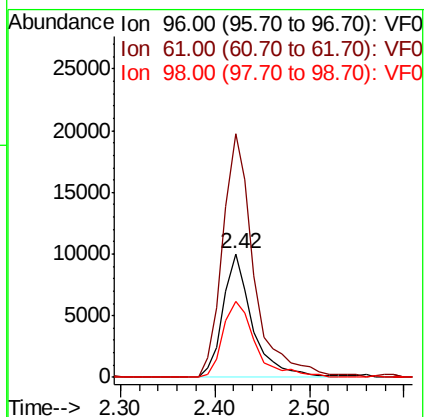
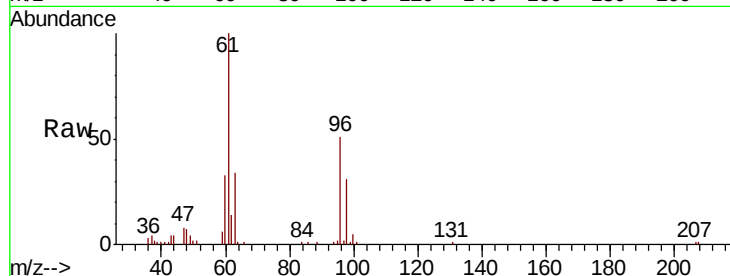
Tot Ion: 96 Resp: 21624

Ion Ratio Lower Upper

96 100

61 197.4 159.5 239.3

98 62.1 53.8 80.6



#22

Diisopropyl ether

Concen: 20.77 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Tgt Ion: 45 Resp: 73263

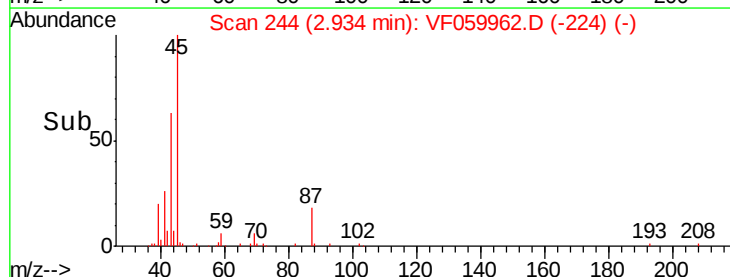
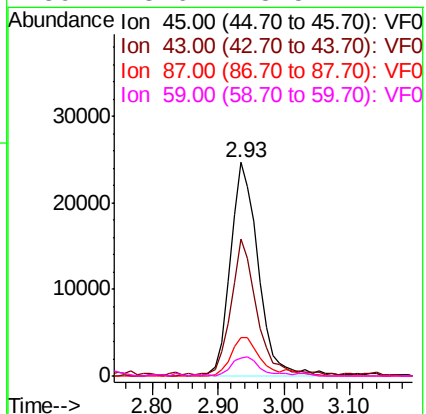
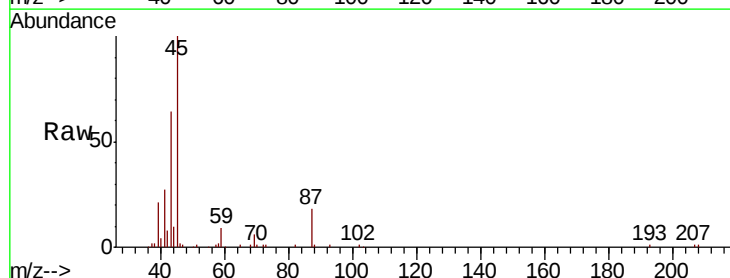
Ion Ratio Lower Upper

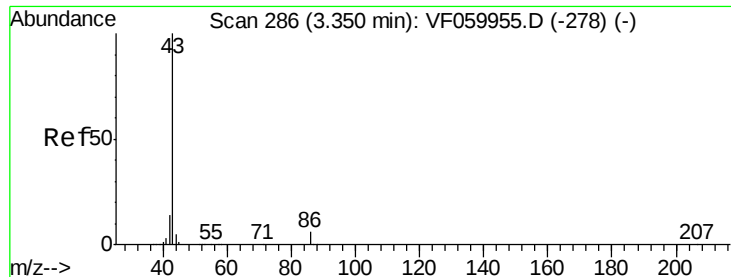
45 100

43 64.0 48.7 73.1

87 18.2 15.3 22.9

59 8.6 8.5 12.7





#23

Vinyl Acetate

Concen: 105.81 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

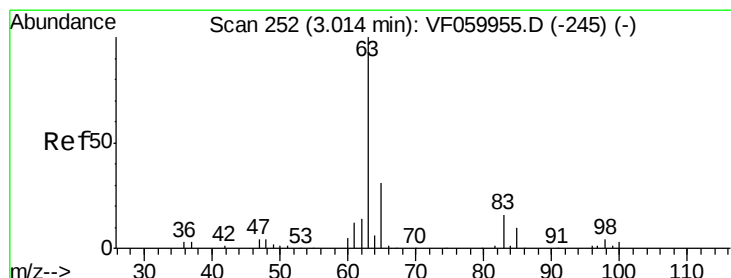
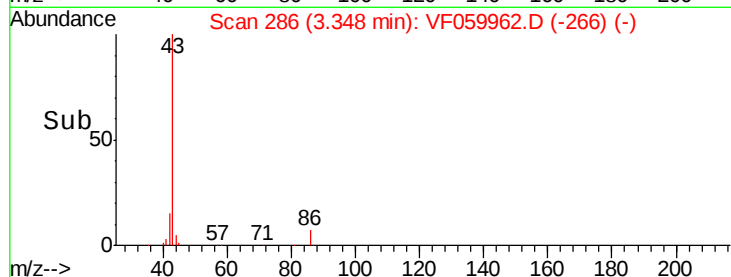
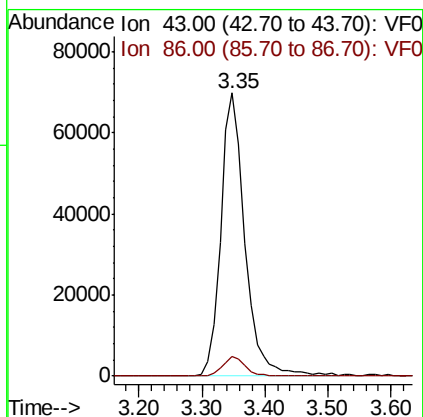
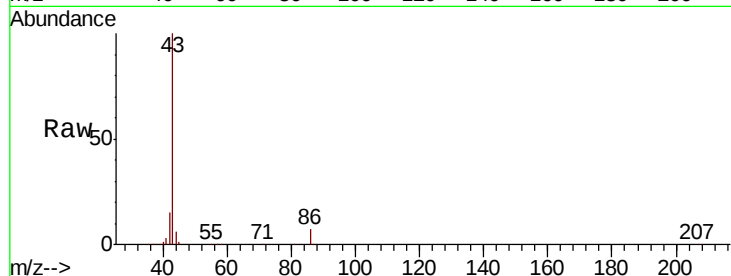
VF0814SBS01

Tot Ion: 43 Resp: 185287

Ion Ratio Lower Upper

43 100

86 7.1 4.9 7.3



#24

1,1-Dichloroethane

Concen: 19.95 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

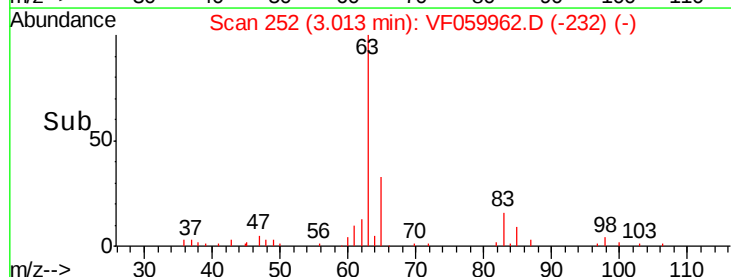
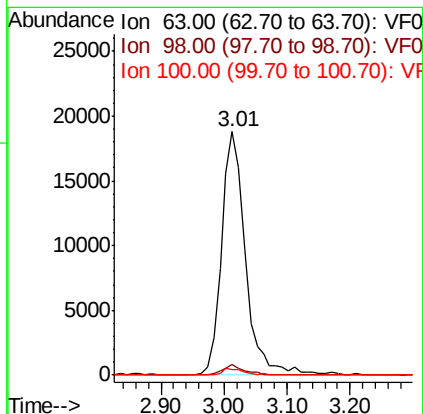
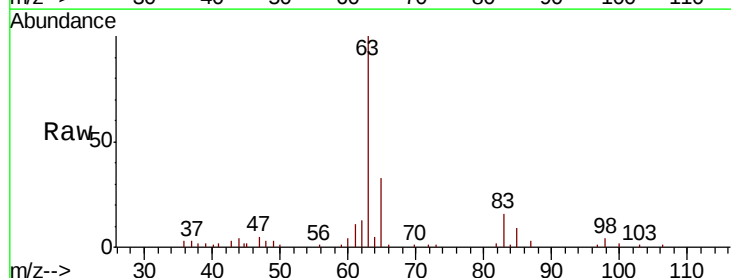
Tgt Ion: 63 Resp: 49746

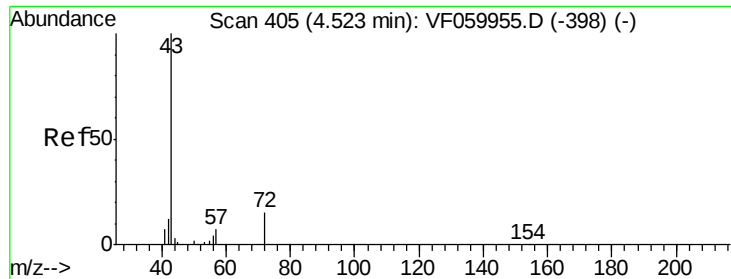
Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 2.2 1.7 5.1





#25

2-Butanone

Concen: 97.06 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

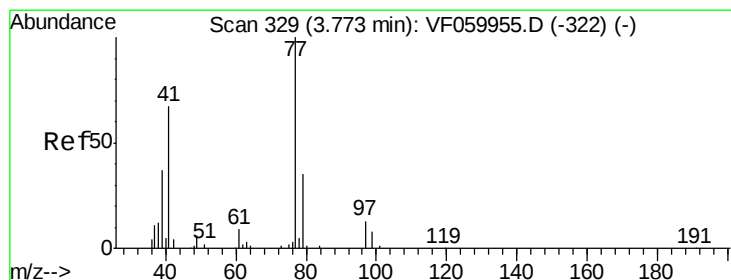
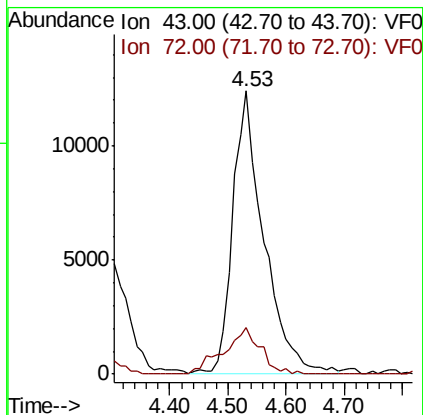
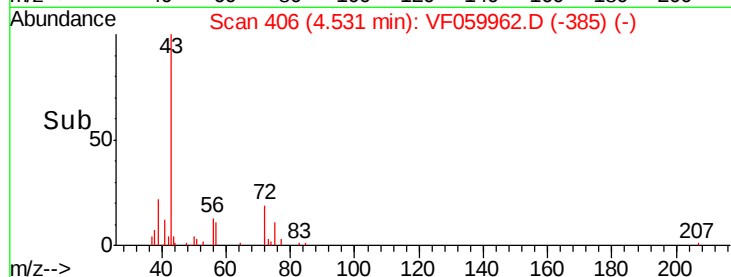
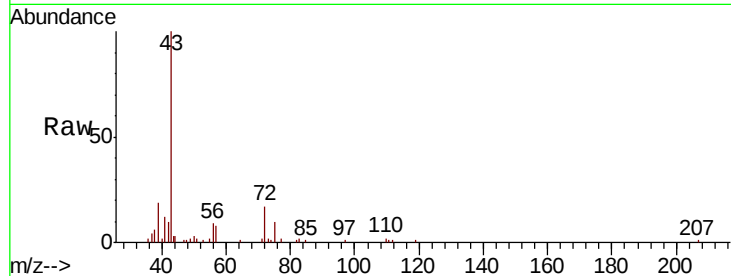
VF0814SBS01

Tot Ion: 43 Resp: 46333

Ion Ratio Lower Upper

43 100

72 16.6 14.6 22.0



#26

2,2-Dichloropropane

Concen: 19.19 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF059962.D

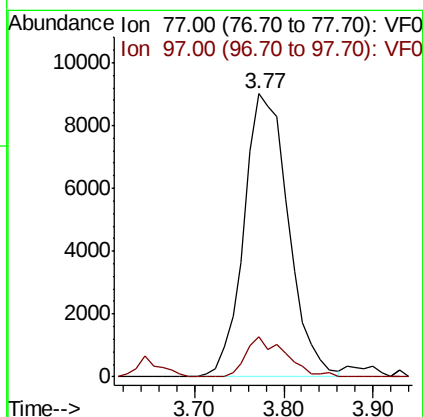
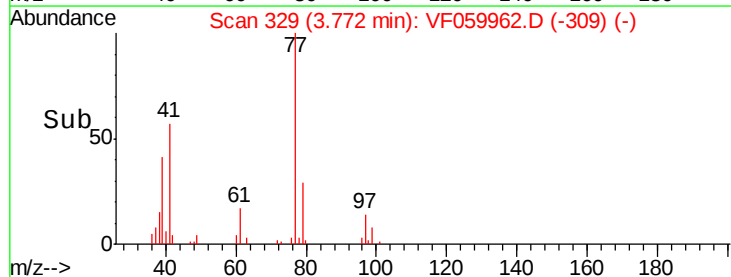
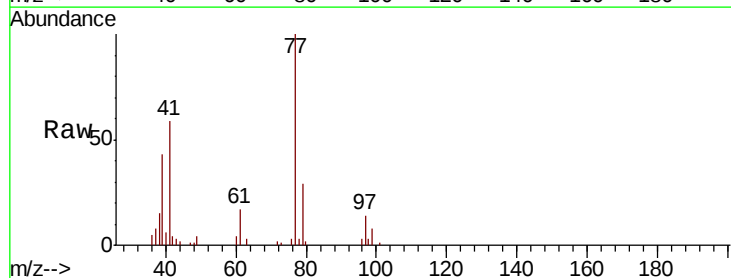
Acq: 15 Aug 2018 00:14

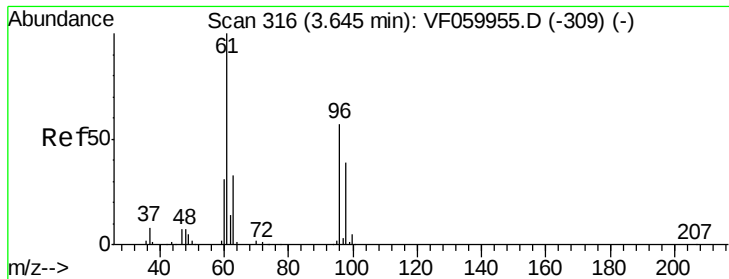
Tgt Ion: 77 Resp: 31124

Ion Ratio Lower Upper

77 100

97 14.4 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 21.16 ug/l

RT: 3.64 min Scan# 316

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

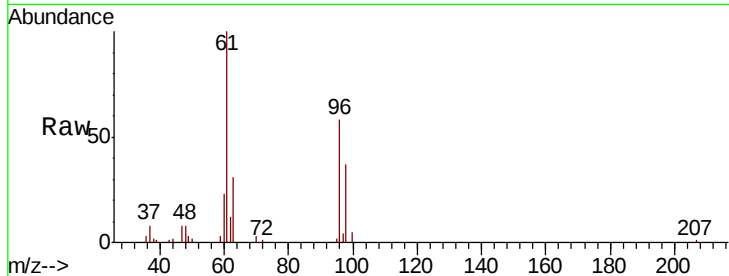
Tot Ion: 96 Resp: 24507

Ion Ratio Lower Upper

96 100

61 173.6 0.0 349.4

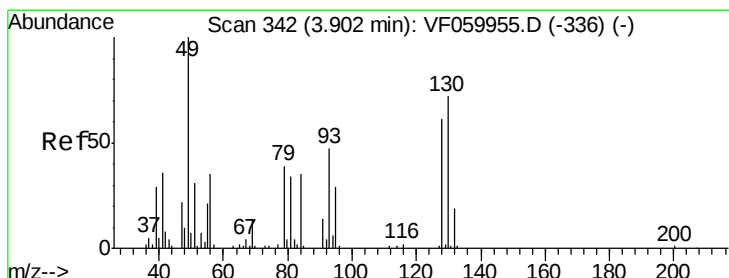
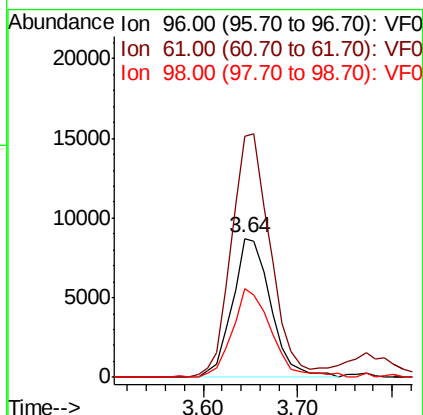
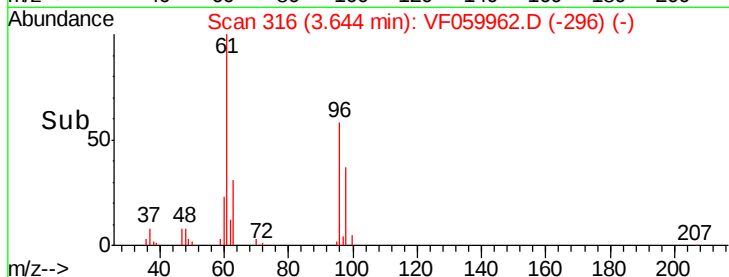
98 64.1 0.0 134.6



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: 19.17 ug/l

RT: 3.90 min Scan# 342

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

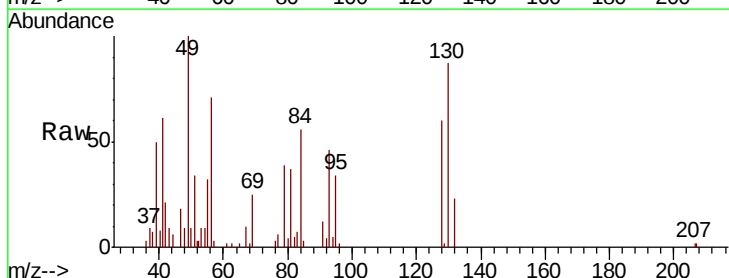
Tgt Ion: 49 Resp: 17797

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

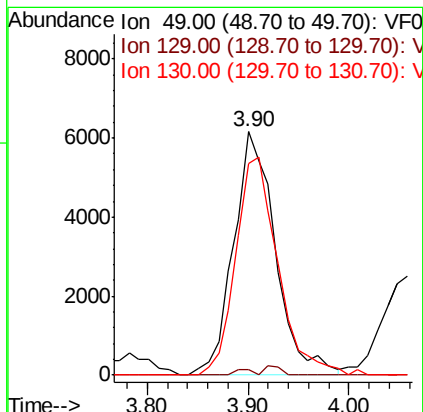
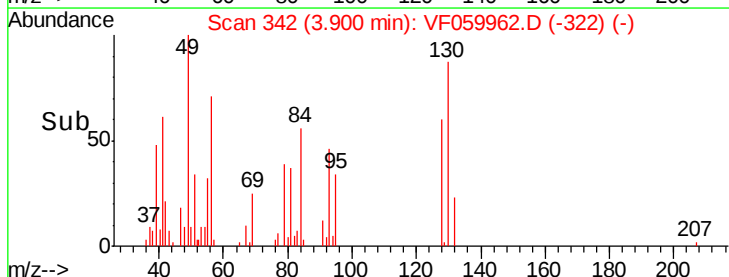
130 87.0 58.1 87.1

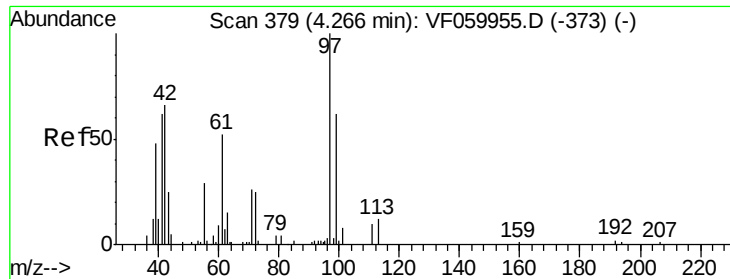


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

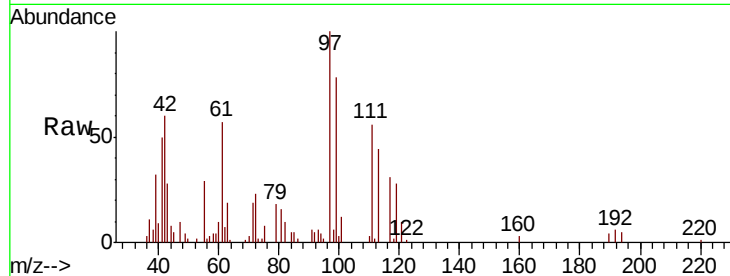




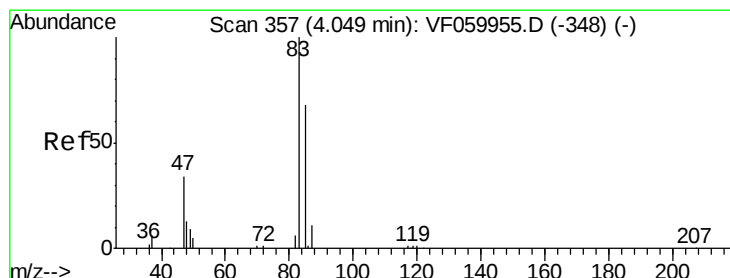
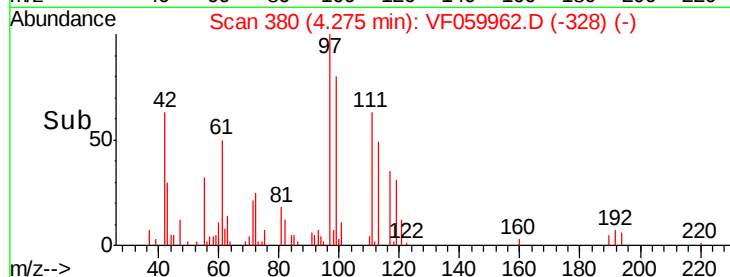
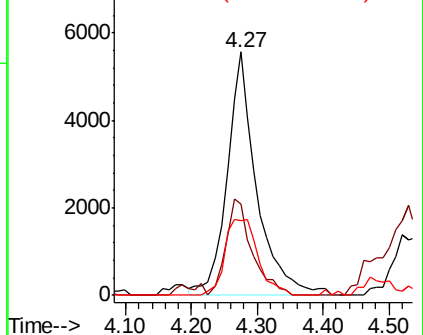
#29
Tetrahydrofuran
Concen: 106.39 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBSD01

Tot Ion: 42 Resp: 17446
Ion Ratio Lower Upper
42 100
72 35.0 27.7 41.5
71 35.2 28.2 42.4

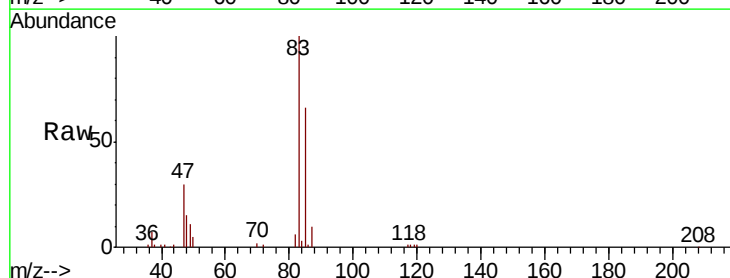


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

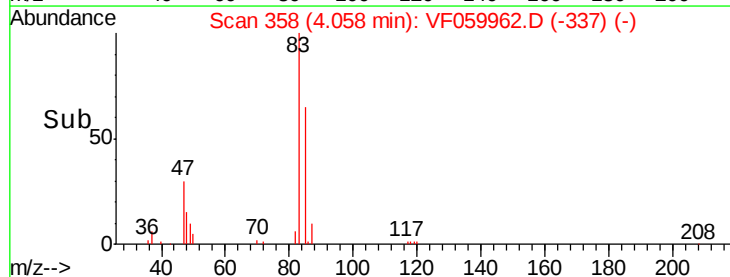
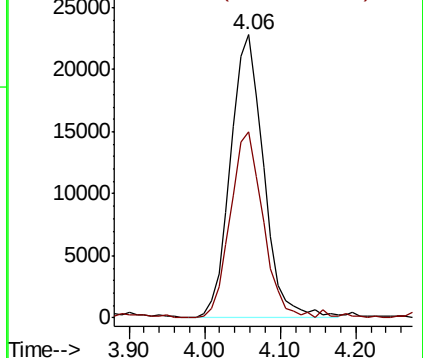


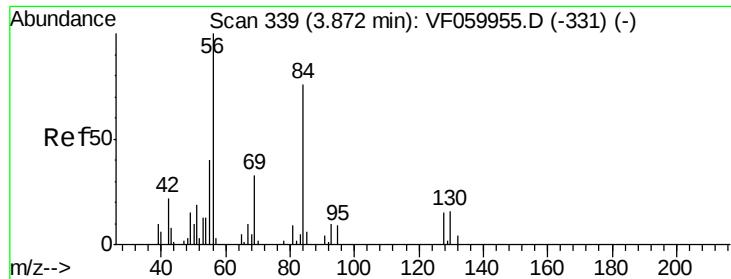
#30
Chloroform
Concen: 20.22 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 83 Resp: 69240
Ion Ratio Lower Upper
83 100
85 65.9 54.4 81.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

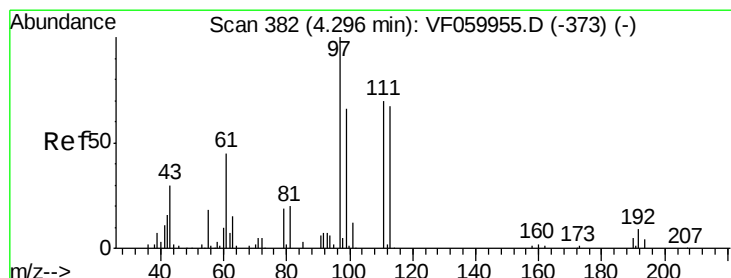
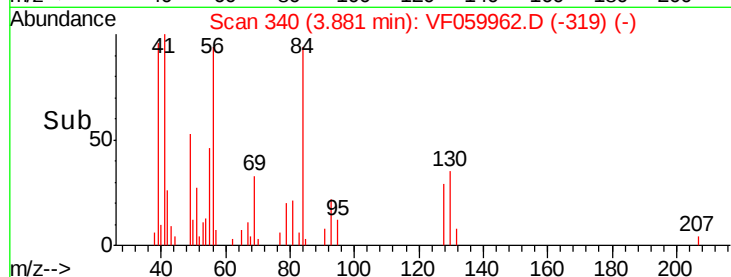
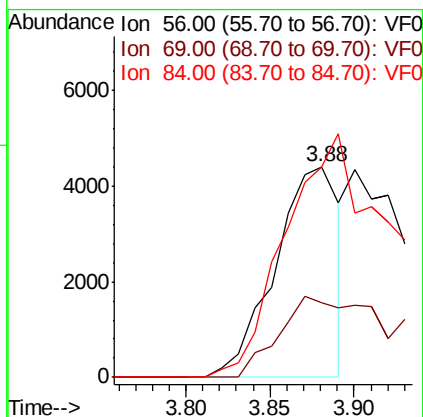
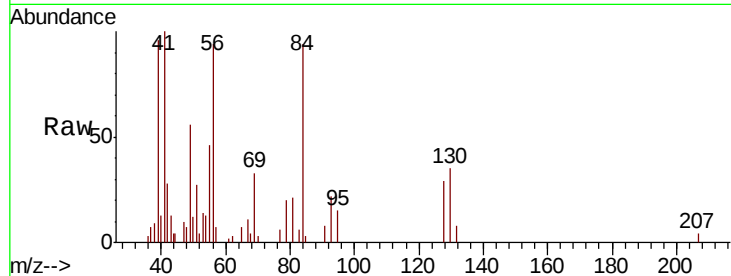




#31
Cyclohexane
Concen: 9.38 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

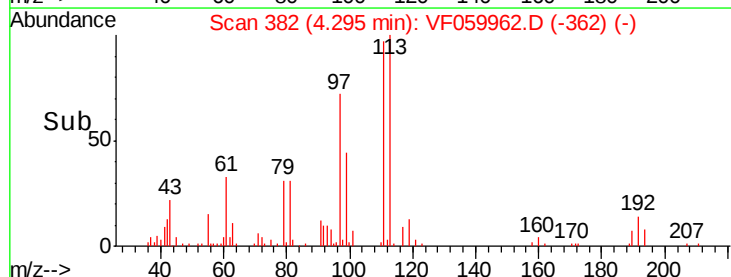
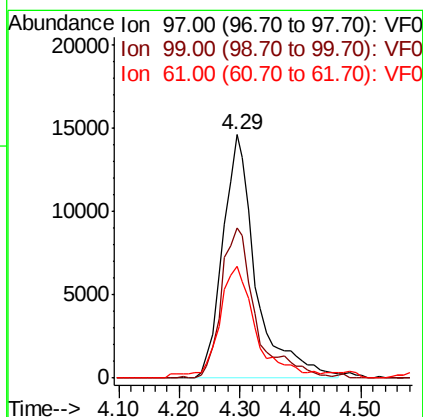
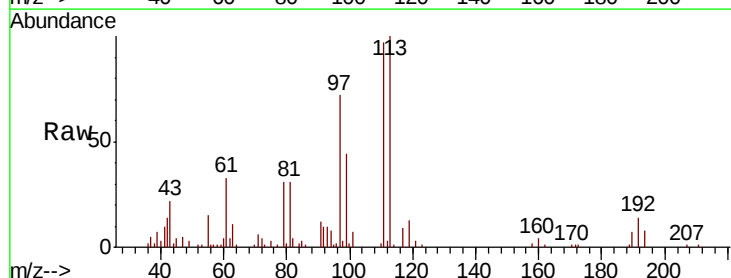
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBSD01

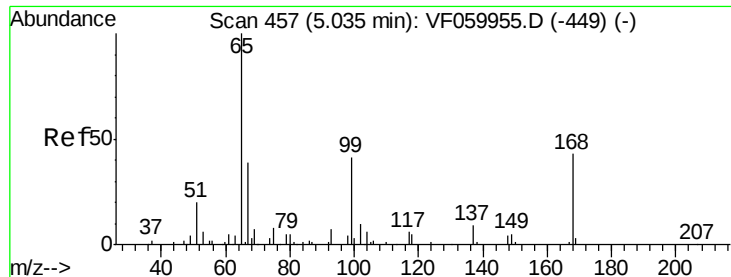
Tot Ion: 56 Resp: 11699
Ion Ratio Lower Upper
56 100
69 35.4 26.2 39.2
84 100.1 61.0 91.4#



#32
1,1,1-Trichloroethane
Concen: 19.82 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 97 Resp: 55791
Ion Ratio Lower Upper
97 100
99 61.9 53.0 79.4
61 45.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.43 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

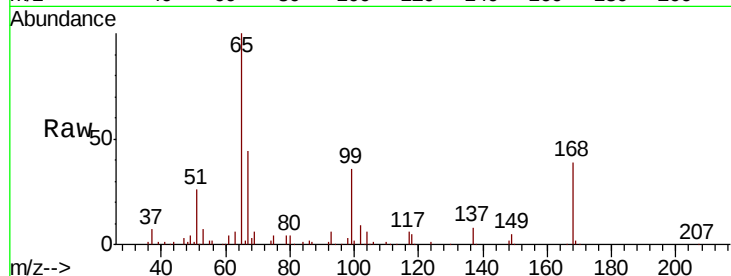
VF0814SBSD01

Tot Ion: 65 Resp: 115170

Ion Ratio Lower Upper

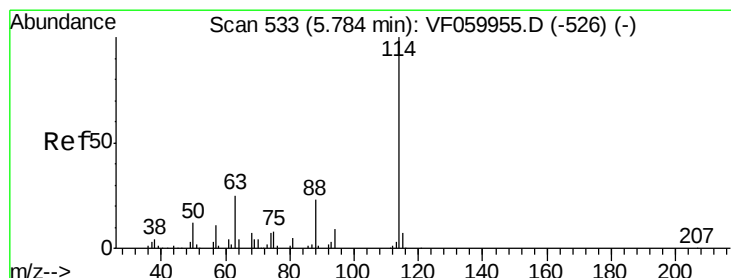
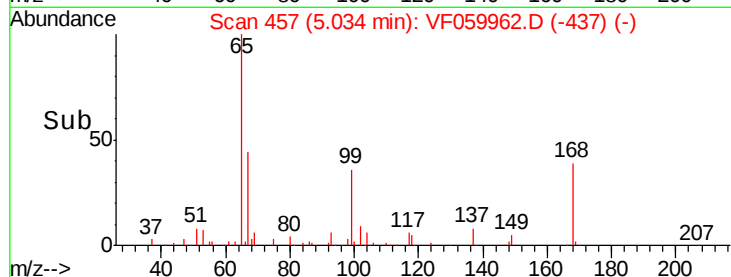
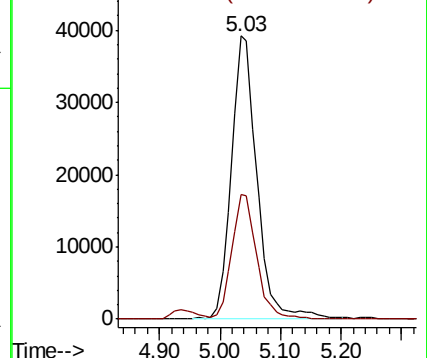
65 100

67 44.2 0.0 87.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

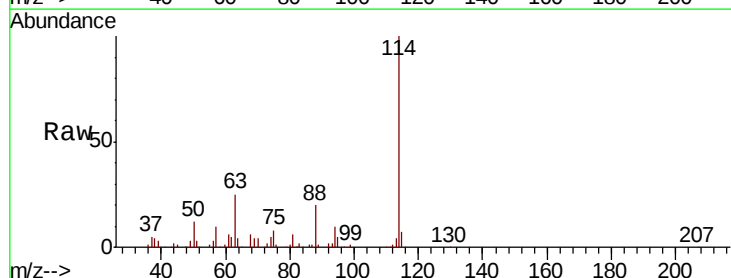
Tgt Ion: 114 Resp: 182423

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.2

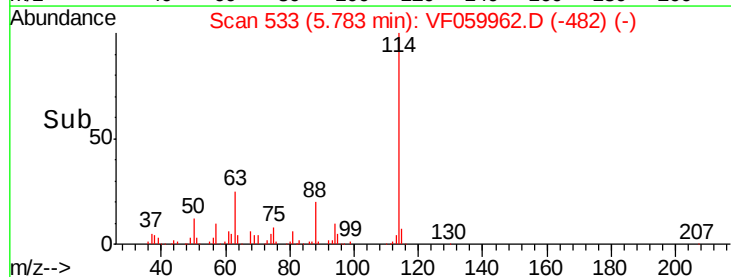
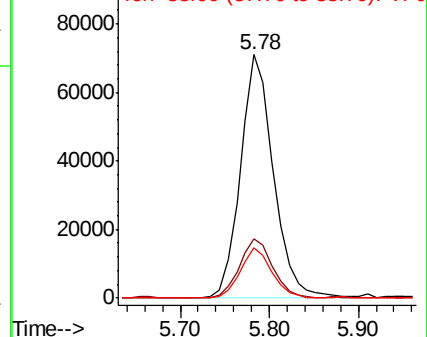
88 20.5 0.0 46.8

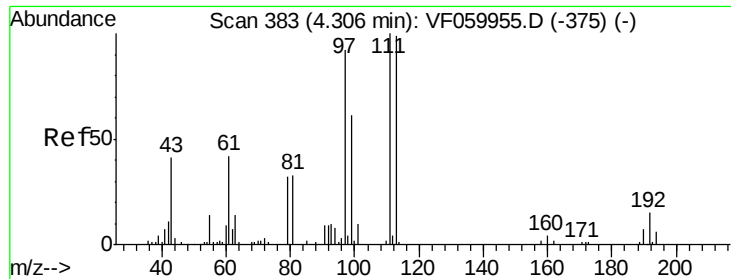


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 49.64 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

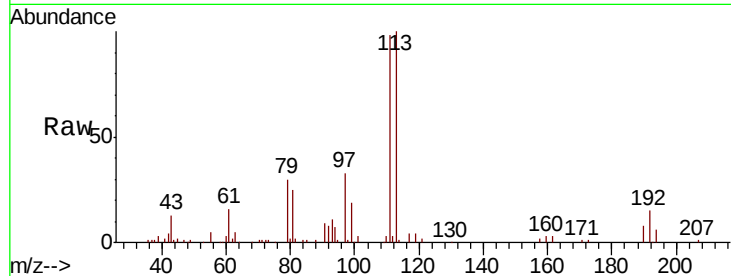
Tot Ion:113 Resp: 90738

Ion Ratio Lower Upper

113 100

111 98.3 80.6 121.0

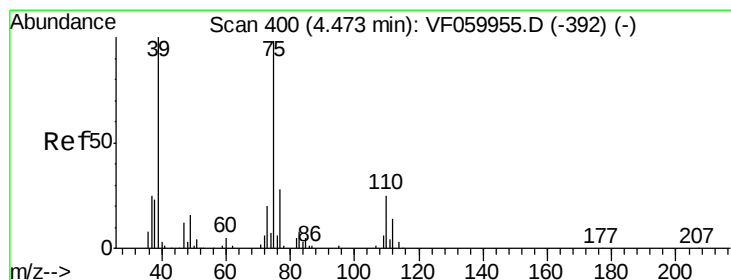
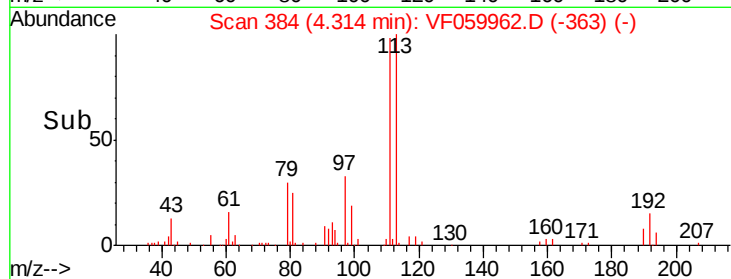
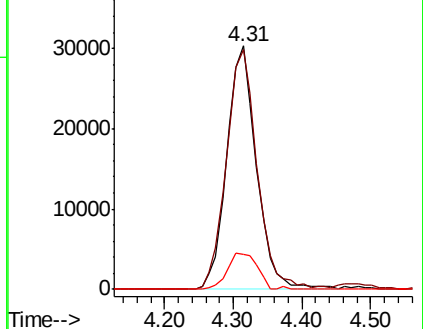
192 14.6 11.7 17.5



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: 20.54 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

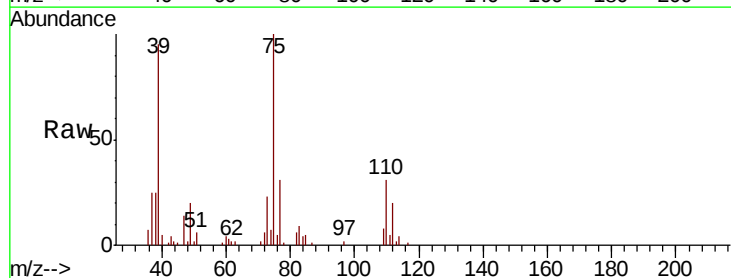
Tgt Ion: 75 Resp: 41633

Ion Ratio Lower Upper

75 100

110 31.0 12.6 37.8

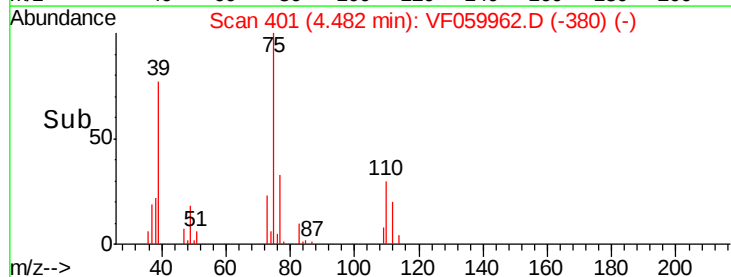
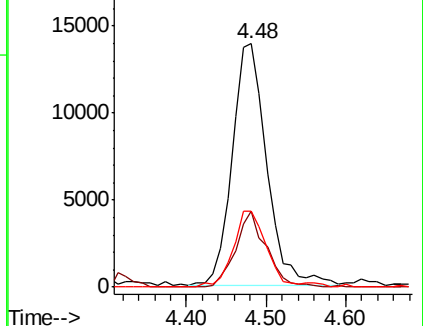
77 31.0 22.7 34.1

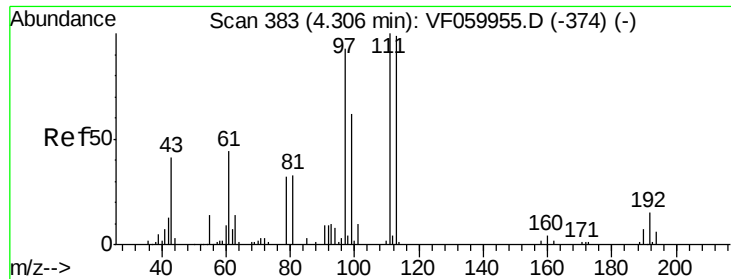


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

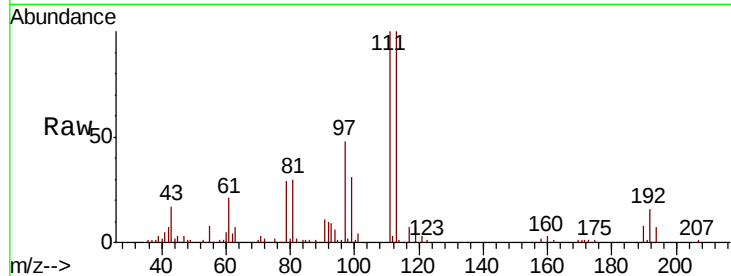




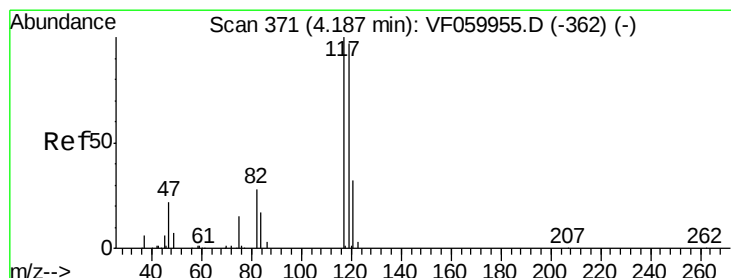
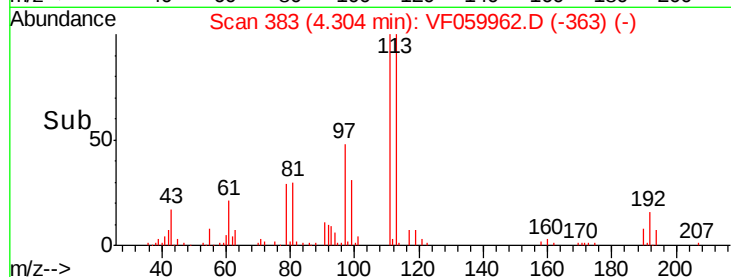
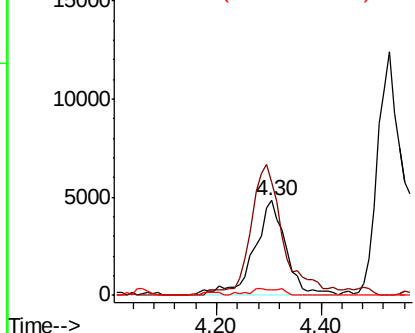
#37
Ethyl Acetate
Concen: 23.36 ug/l
RT: 4.30 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBSD01

Tot Ion: 43 Resp: 20254
Ion Ratio Lower Upper
43 100
61 119.2 84.3 126.5
70 6.2 5.5 8.3

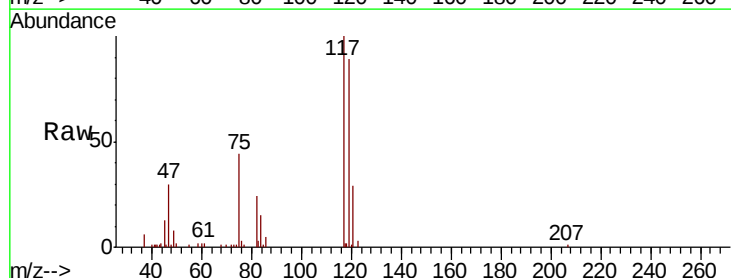


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

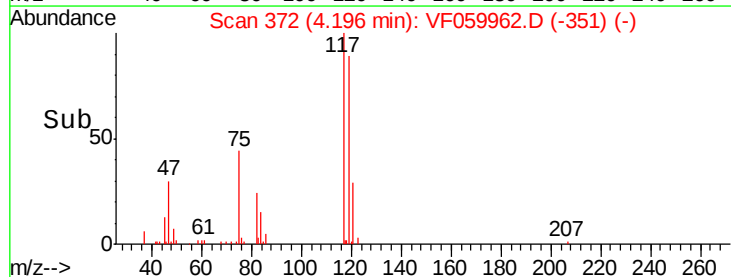
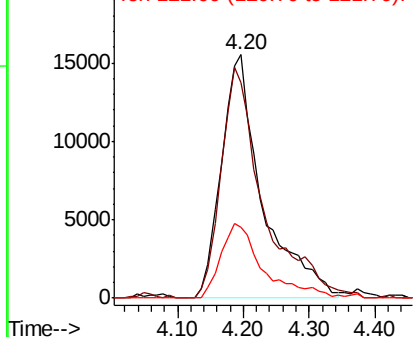


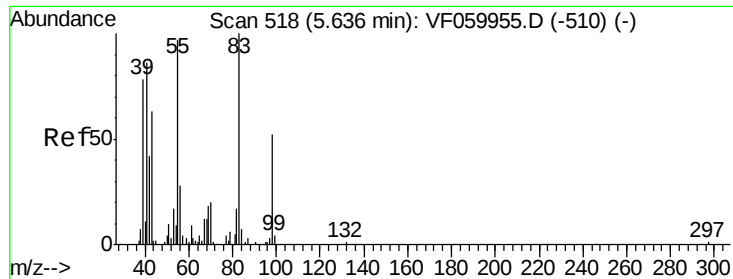
#38
Carbon Tetrachloride
Concen: 20.04 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion:117 Resp: 67609
Ion Ratio Lower Upper
117 100
119 88.7 76.9 115.3
121 28.9 24.9 37.3



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

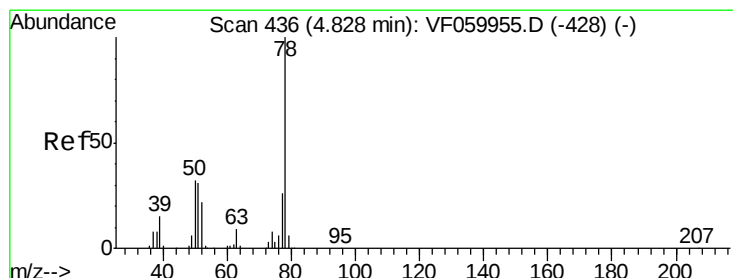
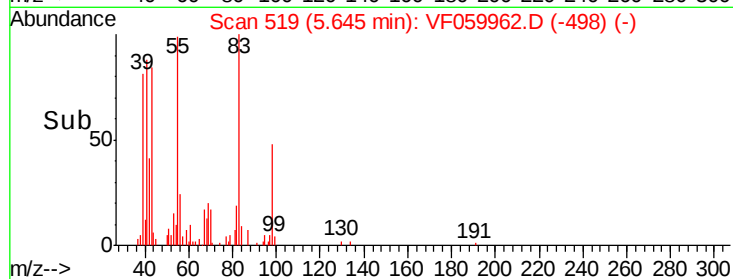
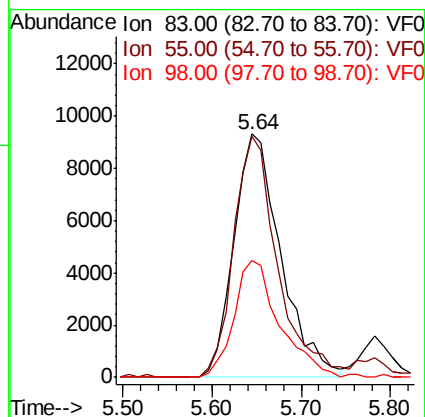
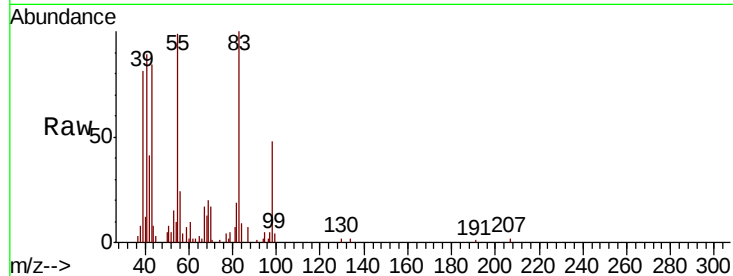




#39
Methvlcvclohexane
Concen: 23.15 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

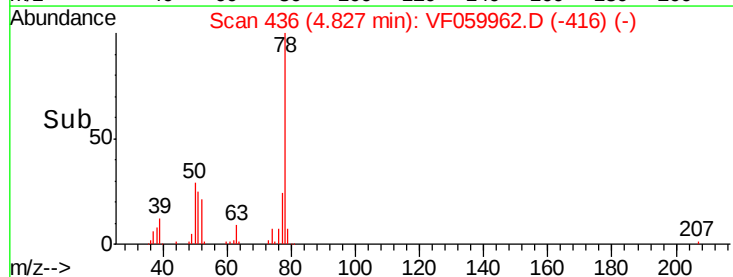
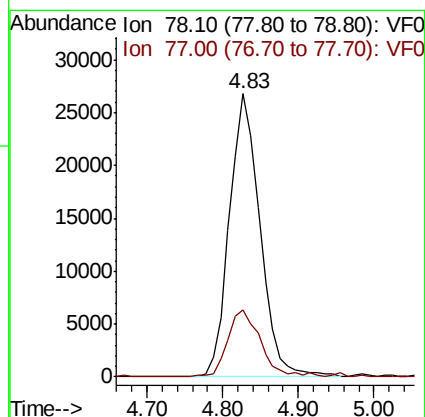
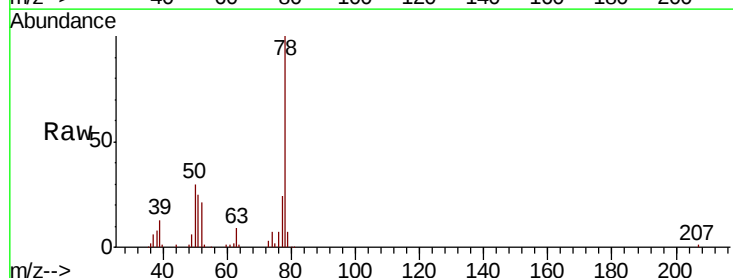
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

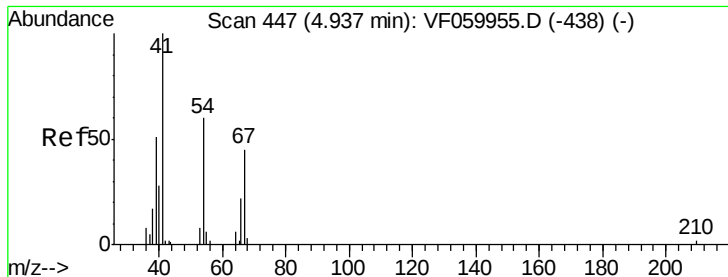
Tot Ion: 83 Resp: 34097
Ion Ratio Lower Upper
83 100
55 99.1 77.4 116.2
98 47.8 41.5 62.3



#40
Benzene
Concen: 21.89 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 78 Resp: 75079
Ion Ratio Lower Upper
78 100
77 23.7 21.1 31.7





#41

Methacrylonitrile

Concen: 19.71 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBSD01

Tot Ion: 41 Resp: 8429

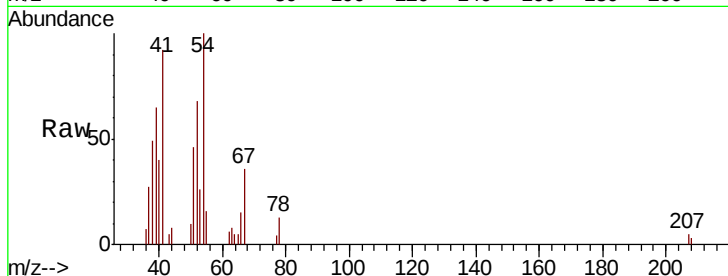
Ion Ratio Lower Upper

41 100

39 70.7 75.7 113.5#

67 39.6 36.1 54.1

52 73.9 48.0 72.0#

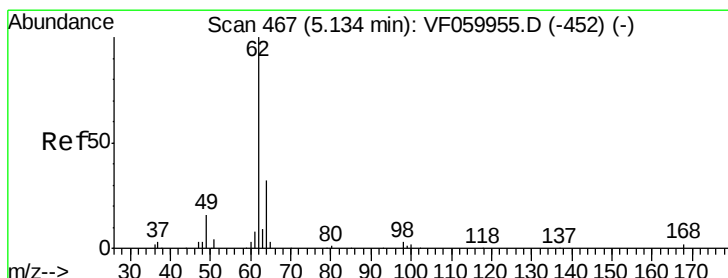
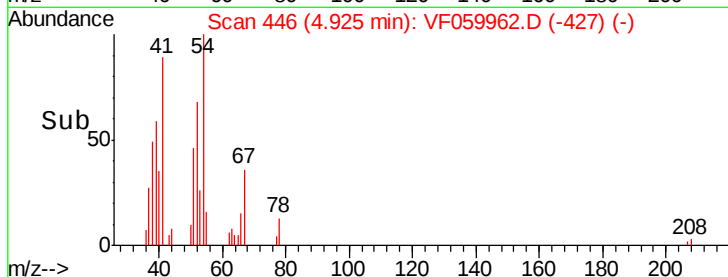
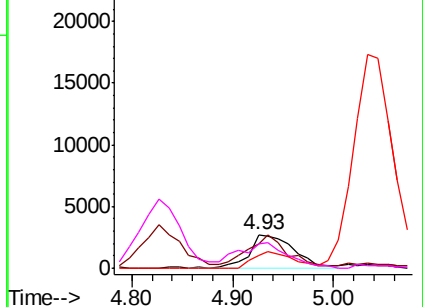


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 20.41 ug/l

RT: 5.13 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF059962.D

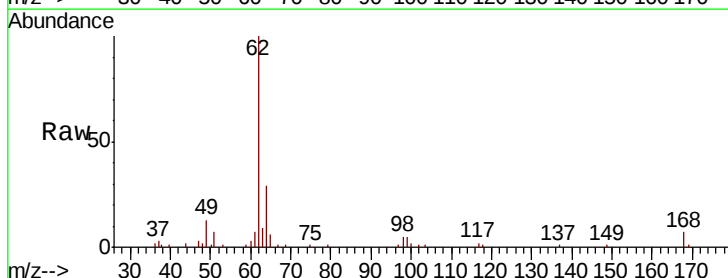
Acq: 15 Aug 2018 00:14

Tgt Ion: 62 Resp: 55613

Ion Ratio Lower Upper

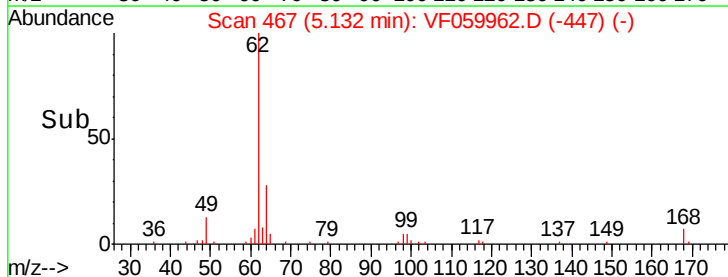
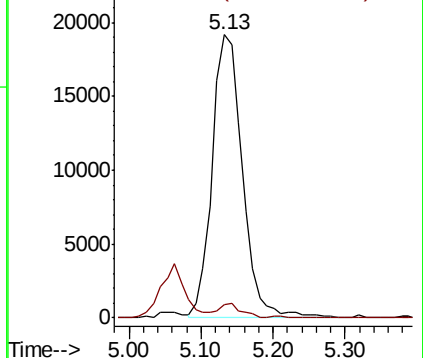
62 100

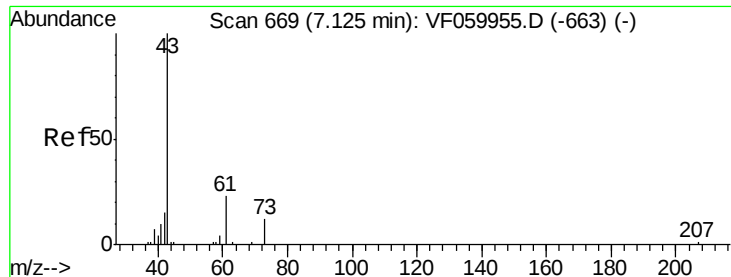
98 4.7 0.0 5.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.81 ug/l

RT: 7.13 min Scan# 670

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

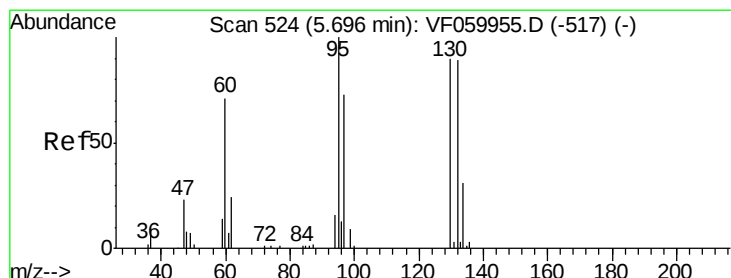
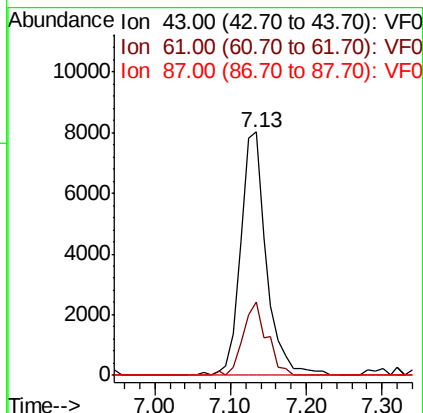
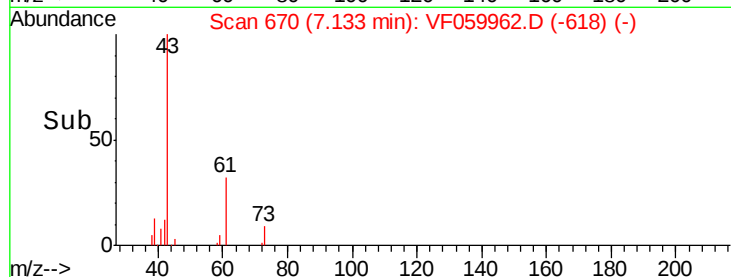
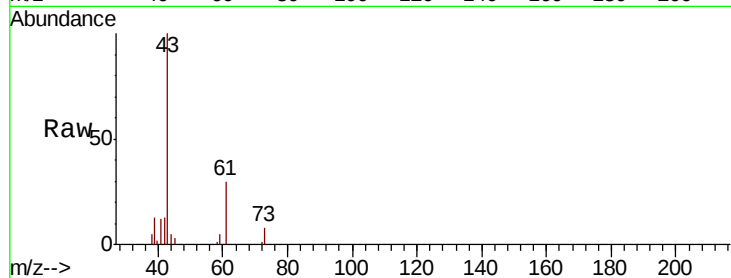
Tot Ion: 43 Resp: 18725

Ion Ratio Lower Upper

43 100

61 29.9 18.6 27.8#

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 22.45 ug/l

RT: 5.69 min Scan# 524

Delta R.T. -0.00 min

Lab File: VF059962.D

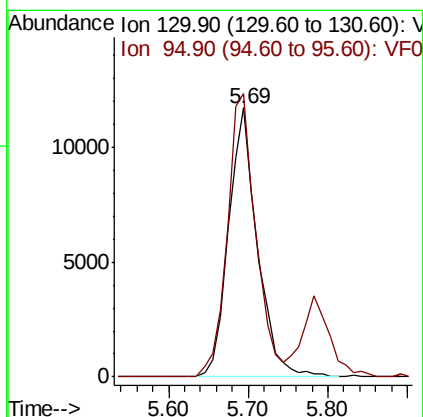
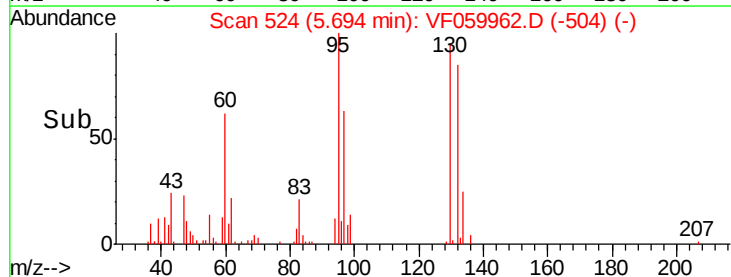
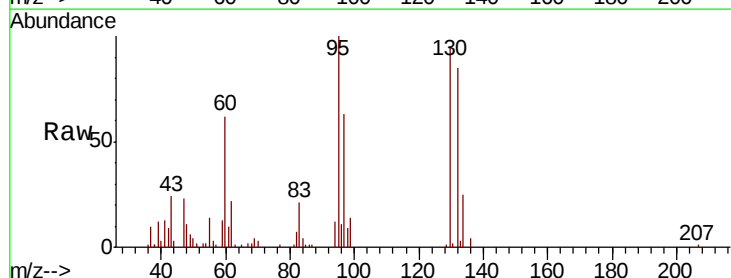
Acq: 15 Aug 2018 00:14

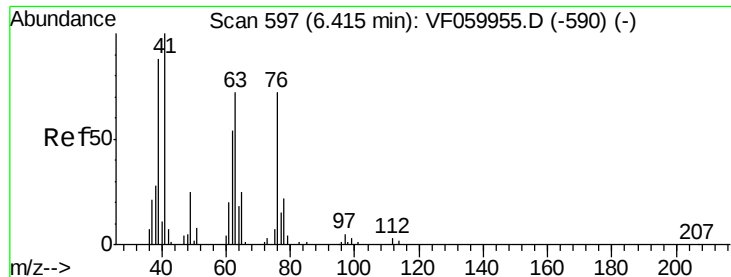
Tgt Ion: 130 Resp: 29638

Ion Ratio Lower Upper

130 100

95 103.5 0.0 222.0





#45

1,2-Dichloropropane

Concen: 20.99 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

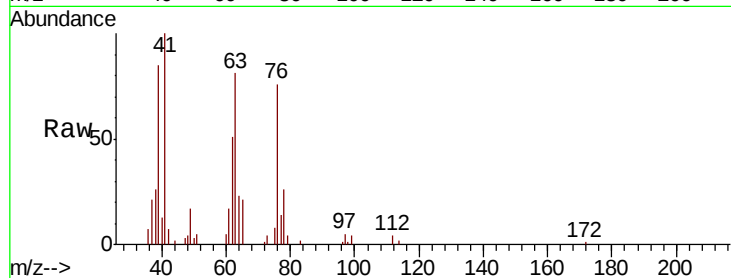
VF0814SBSD01

Tot Ion: 63 Resp: 19040

Ion Ratio Lower Upper

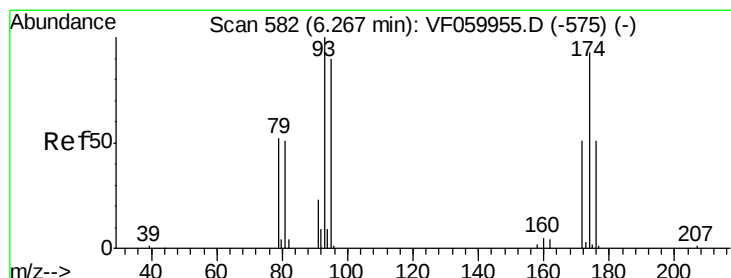
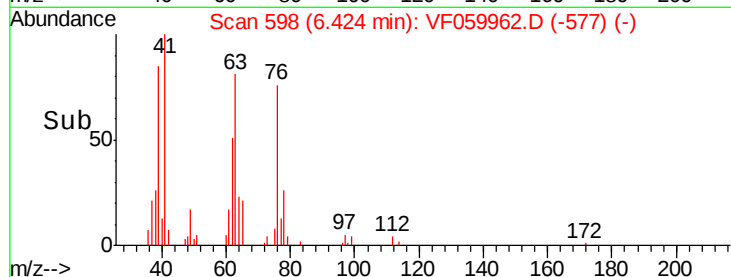
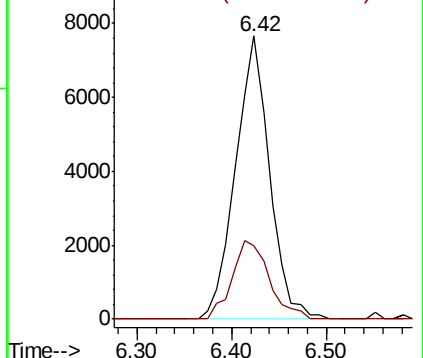
63 100

65 26.1 27.8 41.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.17 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

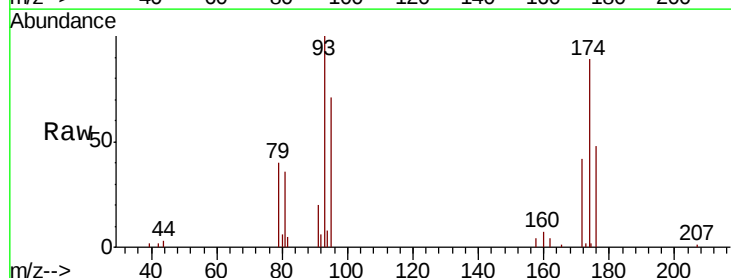
Tgt Ion: 93 Resp: 17162

Ion Ratio Lower Upper

93 100

95 70.6 72.4 108.6#

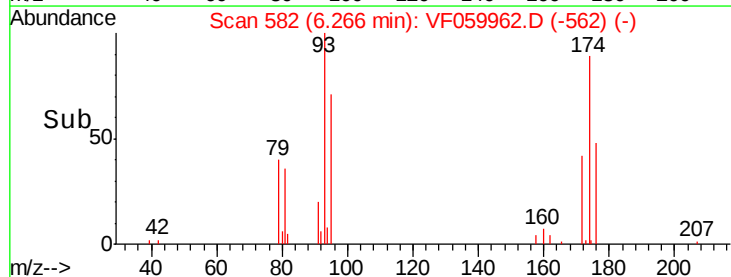
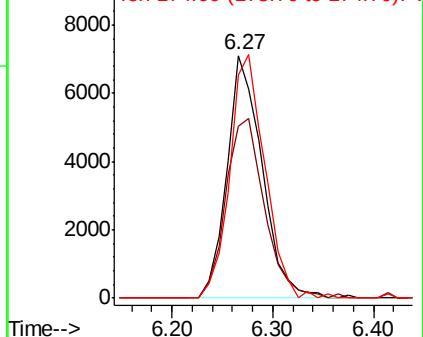
174 91.6 75.9 113.9

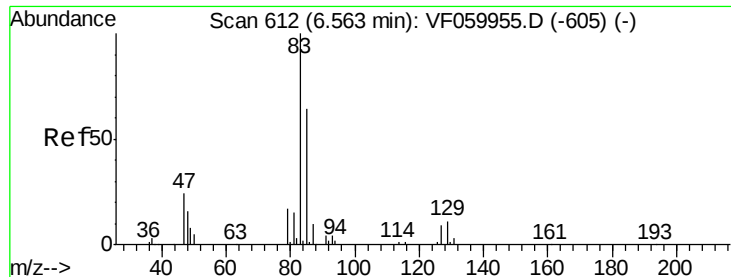


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.47 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

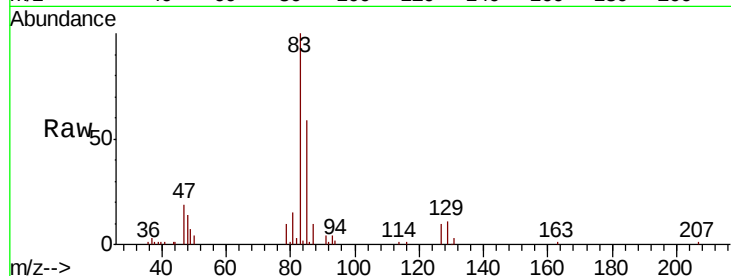
Tot Ion: 83 Resp: 52870

Ion Ratio Lower Upper

83 100

85 58.5 51.5 77.3

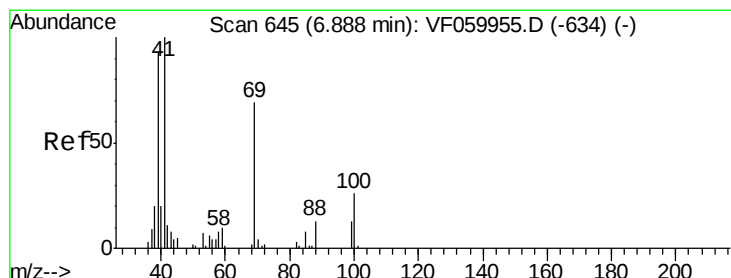
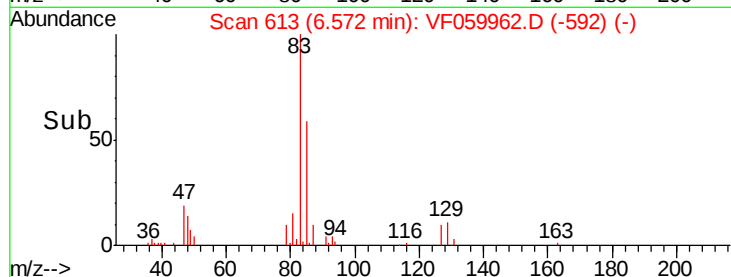
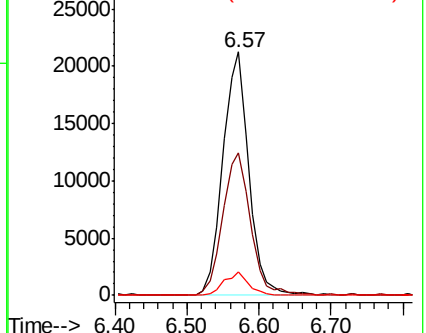
127 9.5 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.52 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

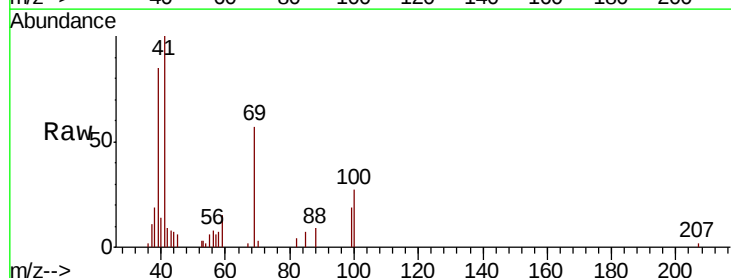
Tgt Ion: 41 Resp: 13744

Ion Ratio Lower Upper

41 100

69 57.3 54.8 82.2

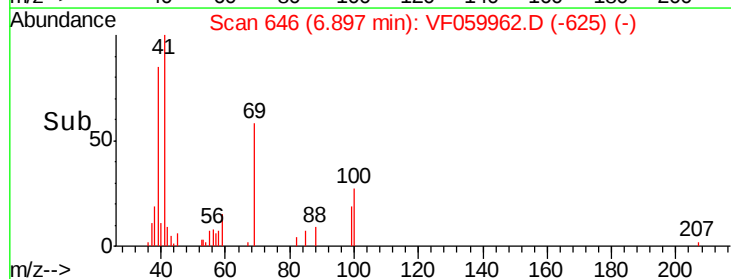
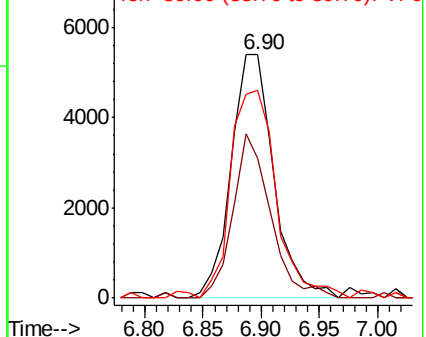
39 85.3 75.1 112.7

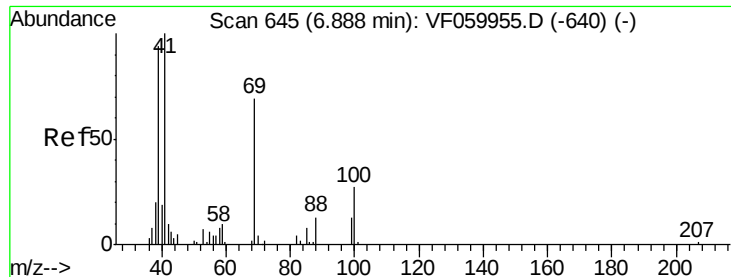


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 433.67 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

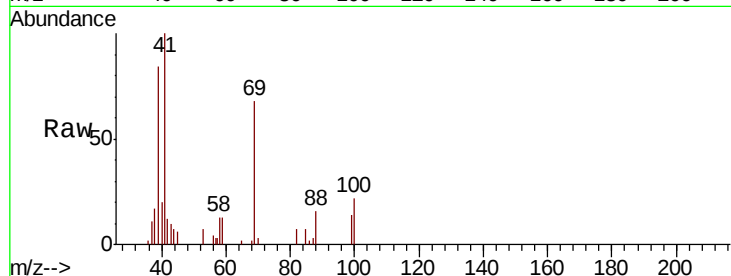
Tot Ion: 88 Resp: 2309

Ion Ratio Lower Upper

88 100

43 61.6 47.9 71.9

58 82.6 52.0 78.0#

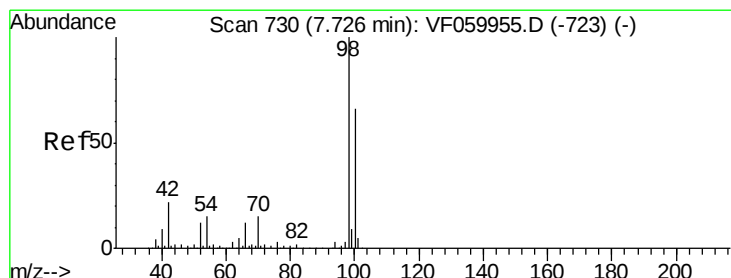
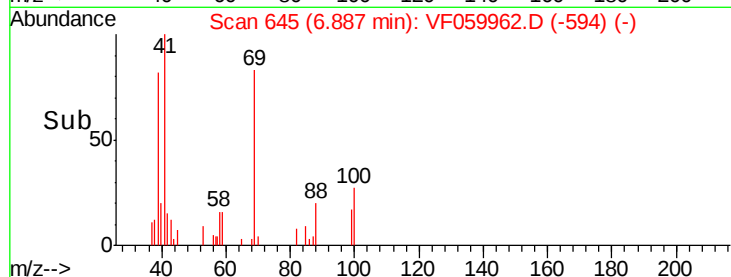
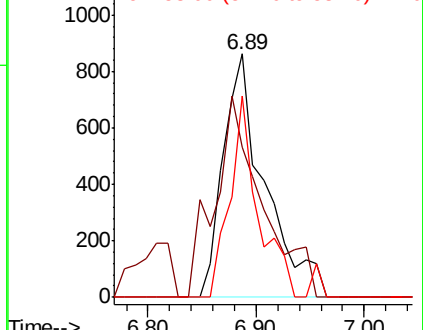


Abundance

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: 50.43 ug/l

RT: 7.72 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF059962.D

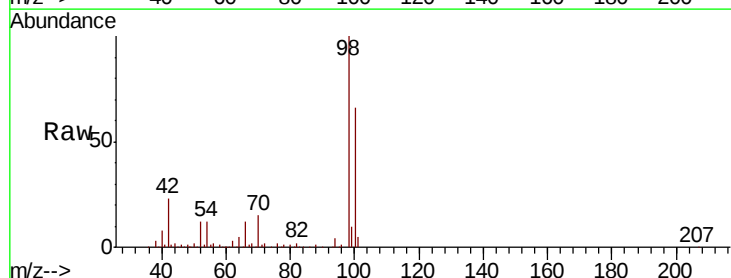
Acq: 15 Aug 2018 00:14

Tgt Ion: 98 Resp: 203277

Ion Ratio Lower Upper

98 100

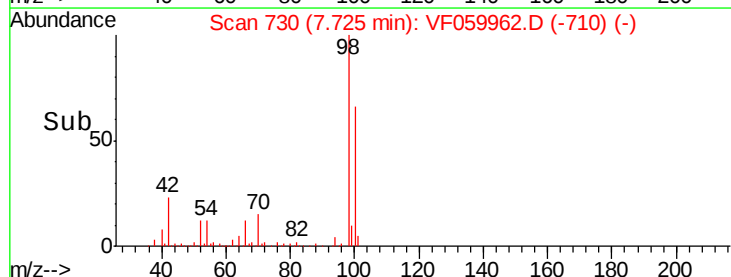
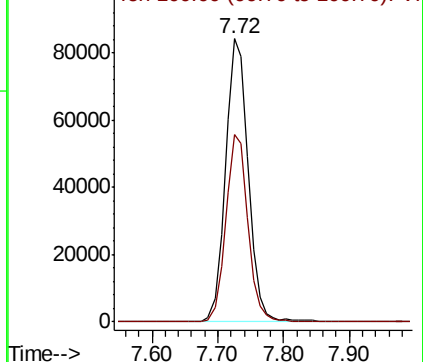
100 66.1 52.9 79.3

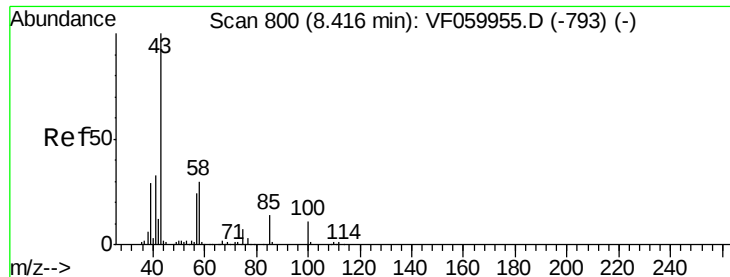


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 105.27 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

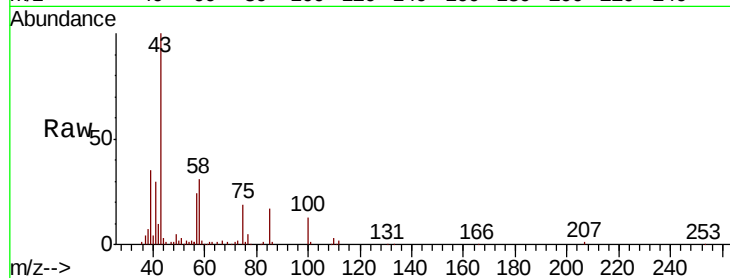
VF0814SBS01

Tot Ion: 43 Resp: 96405

Ion Ratio Lower Upper

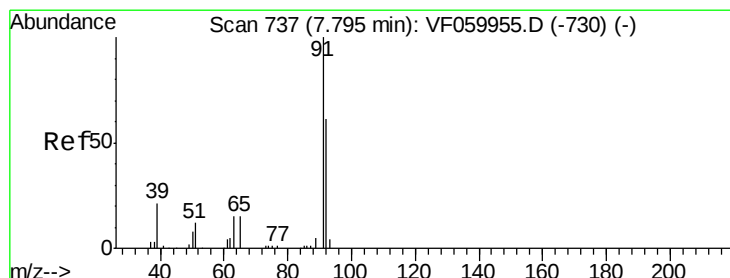
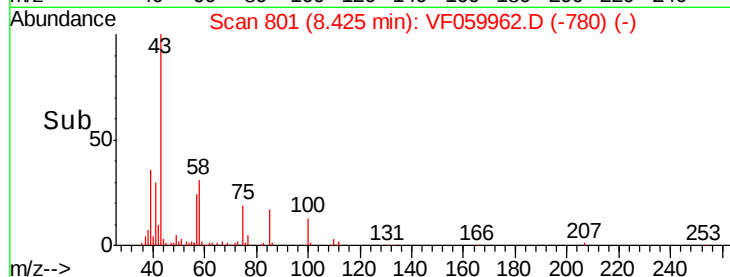
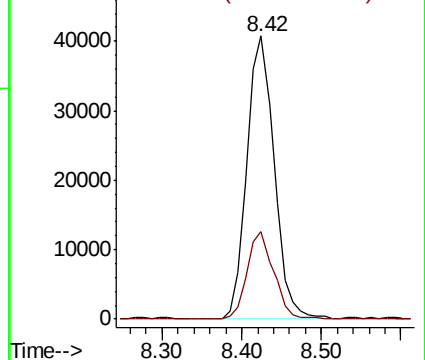
43 100

58 30.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.25 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059962.D

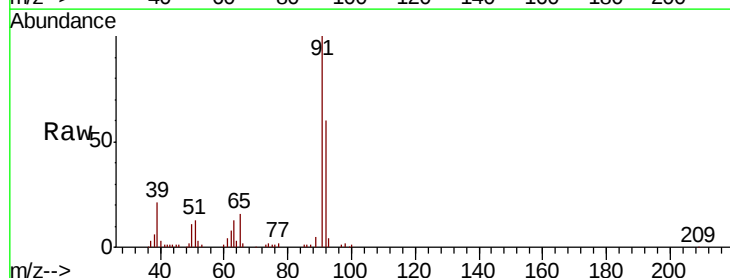
Acq: 15 Aug 2018 00:14

Tgt Ion: 92 Resp: 51441

Ion Ratio Lower Upper

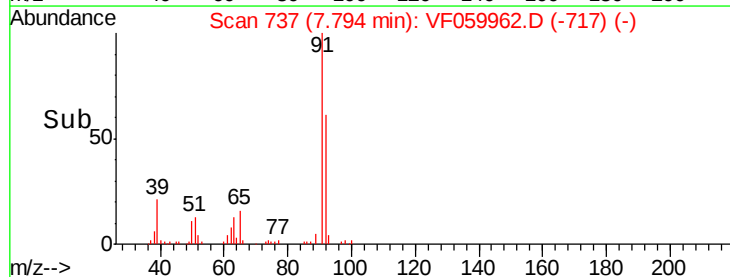
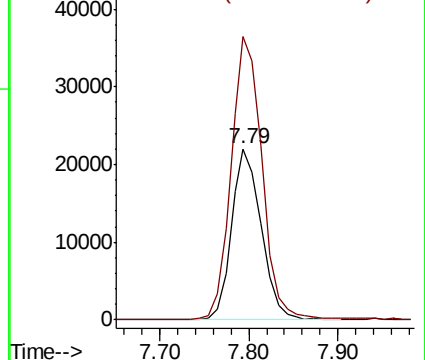
92 100

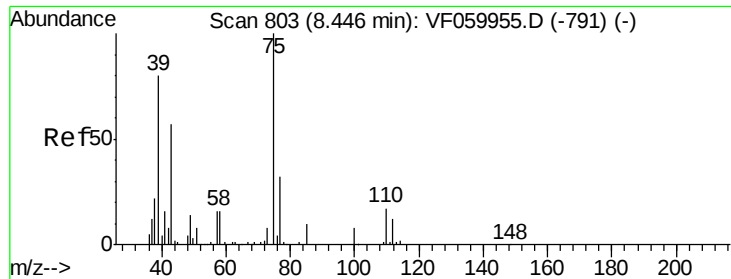
91 165.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.26 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

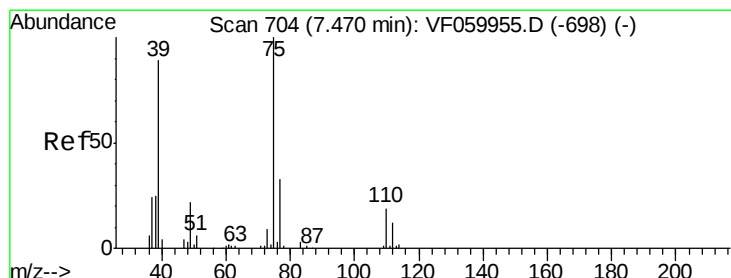
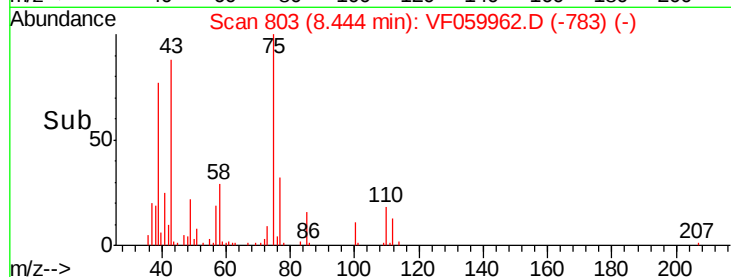
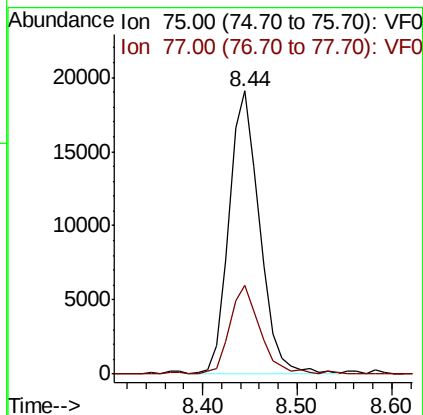
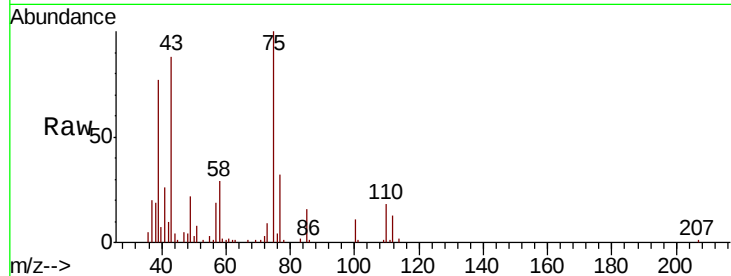
VF0814SBS01

Tot Ion: 75 Resp: 42804

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.53 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

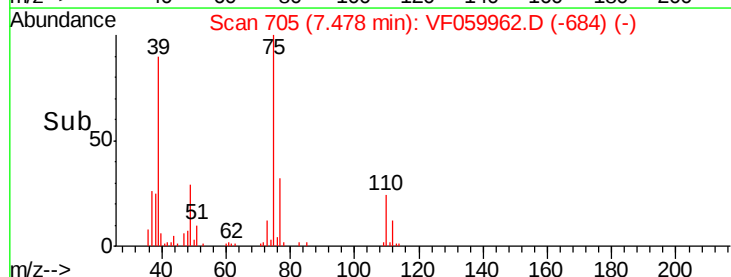
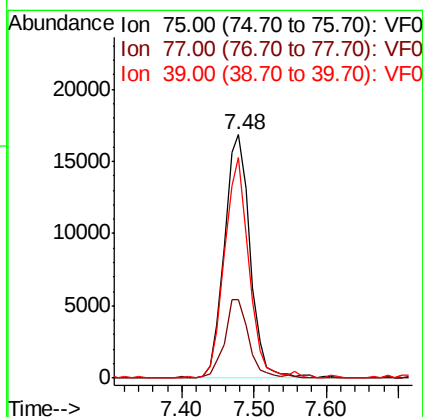
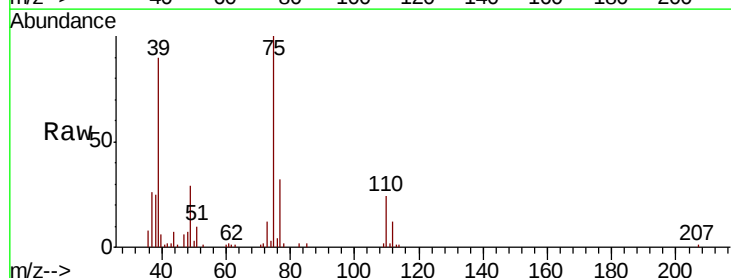
Tgt Ion: 75 Resp: 41752

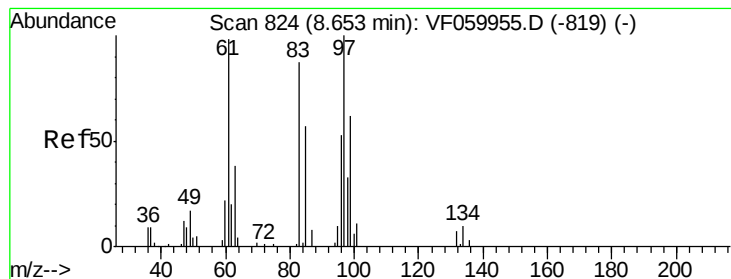
Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

39 90.5 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 21.02 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 97 Resp: 18250

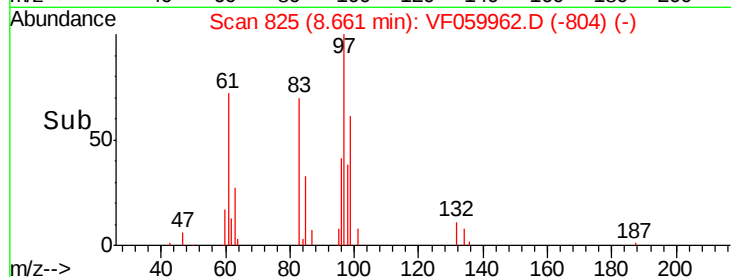
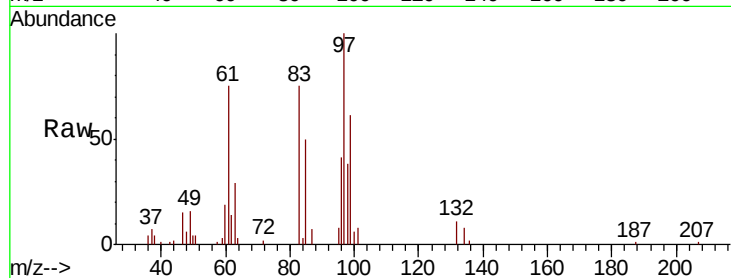
Ion Ratio Lower Upper

97 100

83 75.1 70.0 105.0

85 50.3 45.2 67.8

99 60.9 49.7 74.5

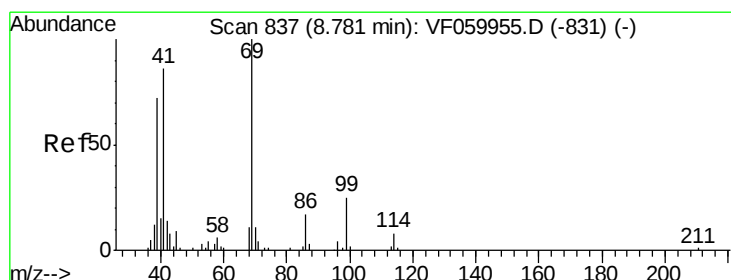
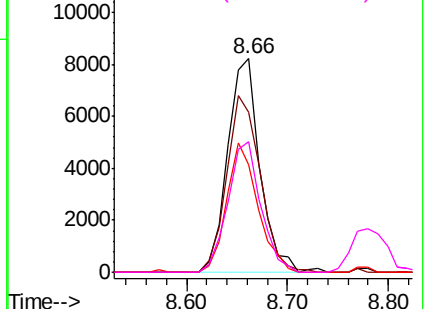


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.35 ug/l

RT: 8.78 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

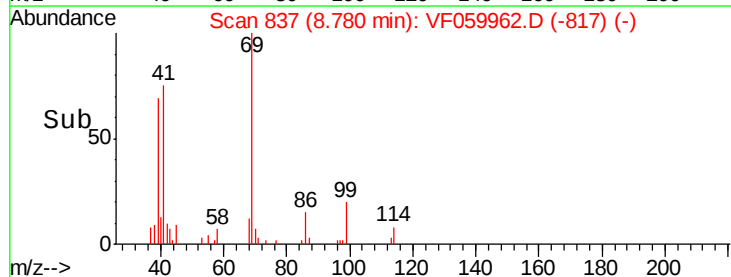
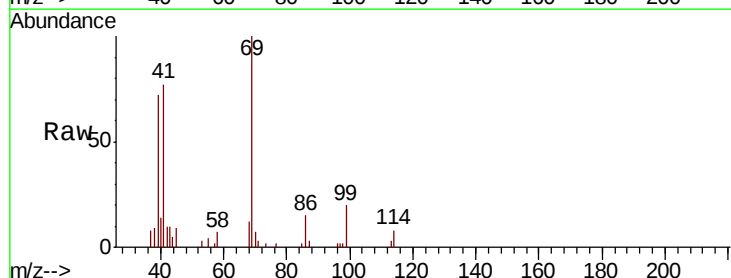
Tgt Ion: 69 Resp: 18048

Ion Ratio Lower Upper

69 100

41 77.2 68.7 103.1

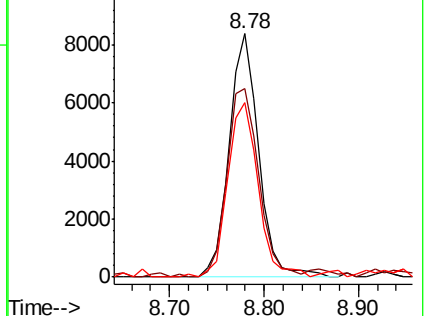
39 71.6 58.5 87.7

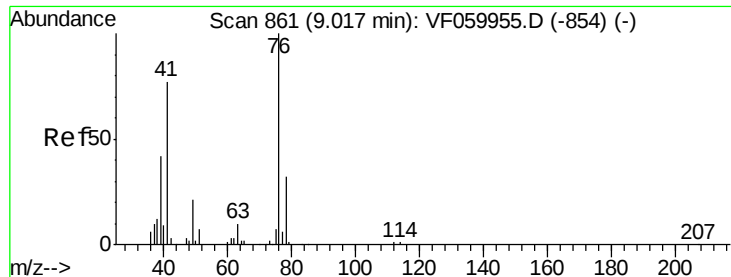


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.99 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

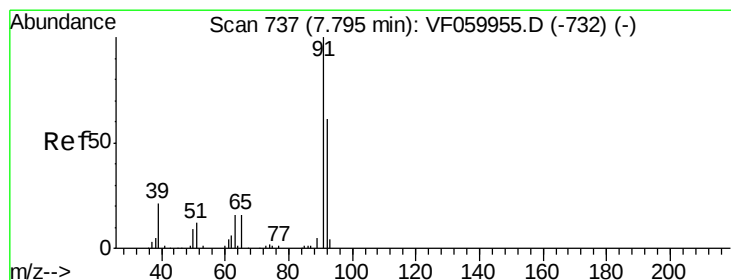
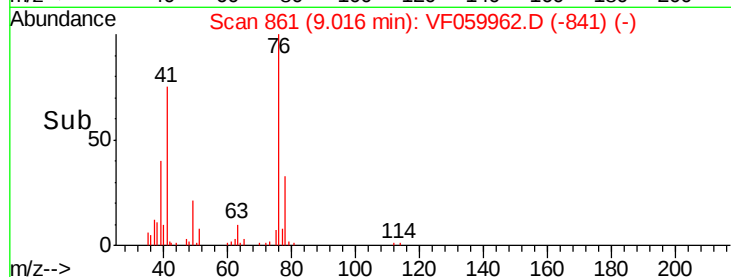
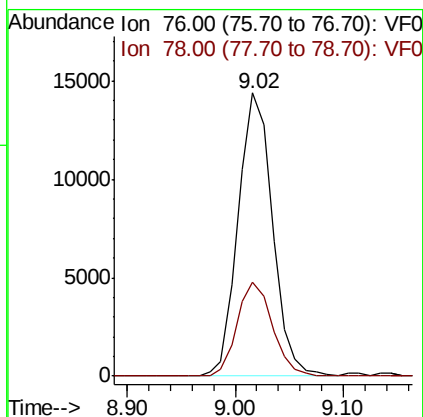
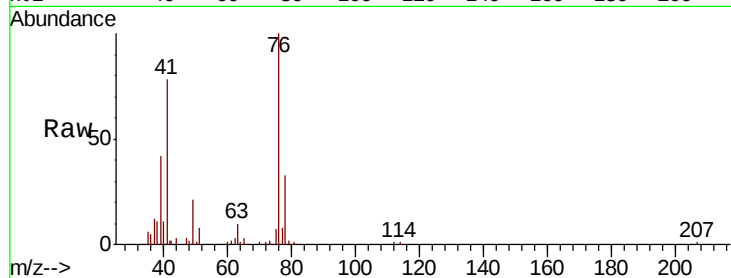
VF0814SBSD01

Tot Ion: 76 Resp: 31964

Ion Ratio Lower Upper

76 100

78 33.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 93.59 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059962.D

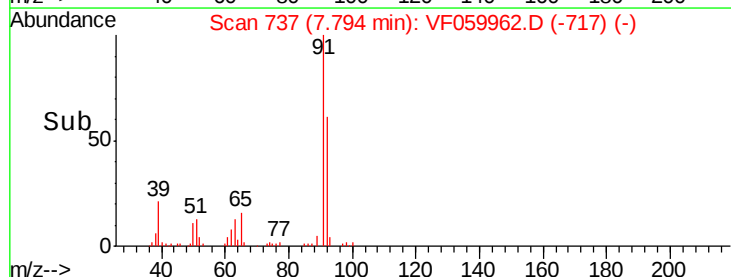
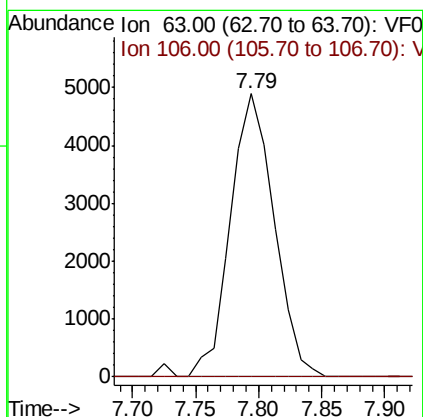
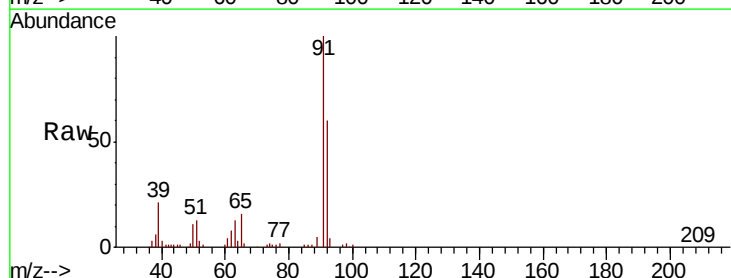
Acq: 15 Aug 2018 00:14

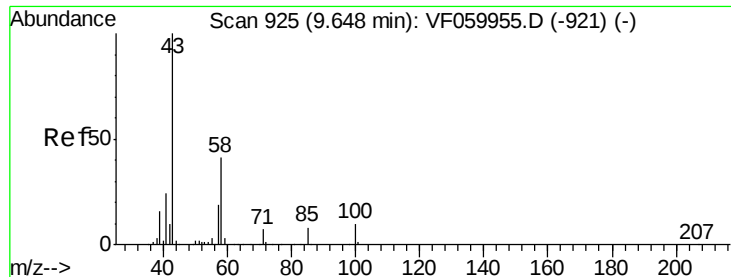
Tgt Ion: 63 Resp: 11744

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

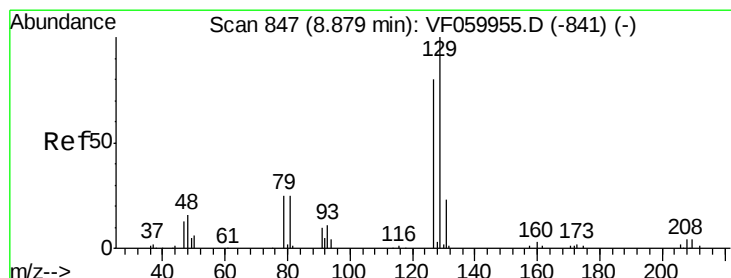
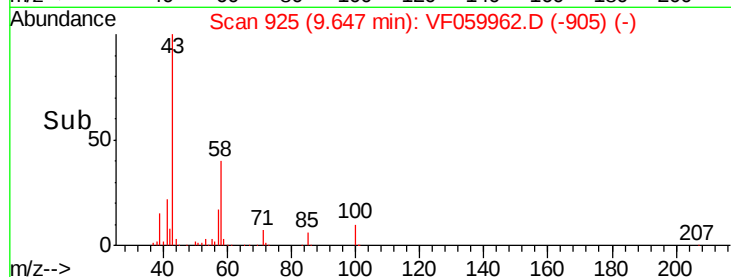
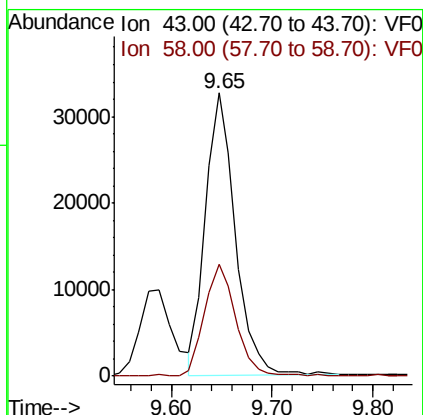
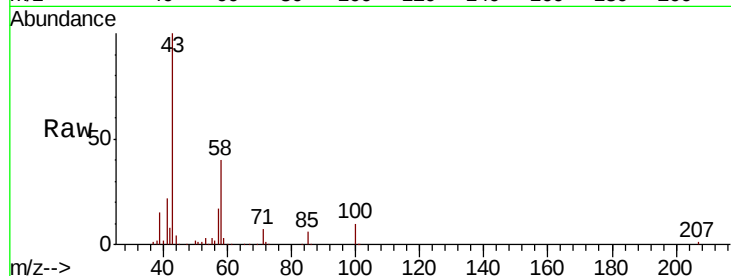




#59
2-Hexanone
Concen: 100.71 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

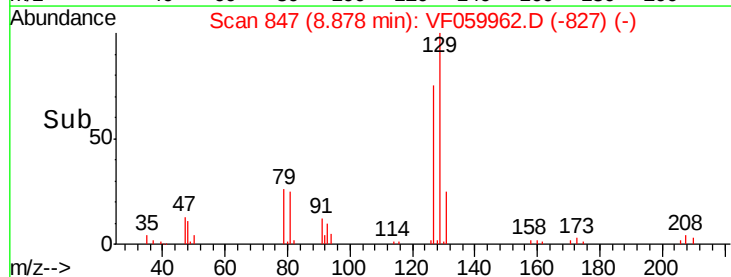
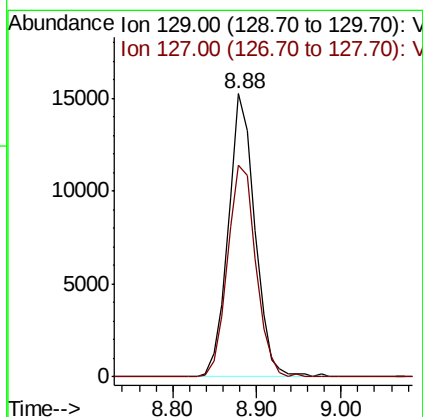
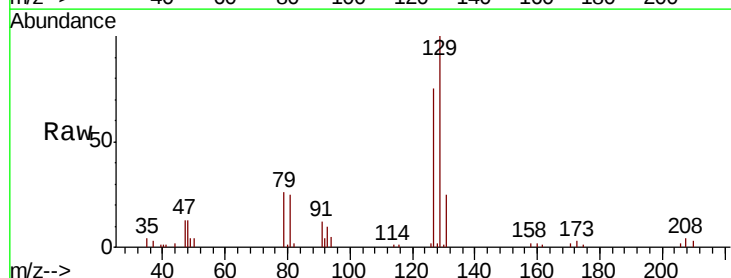
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBSD01

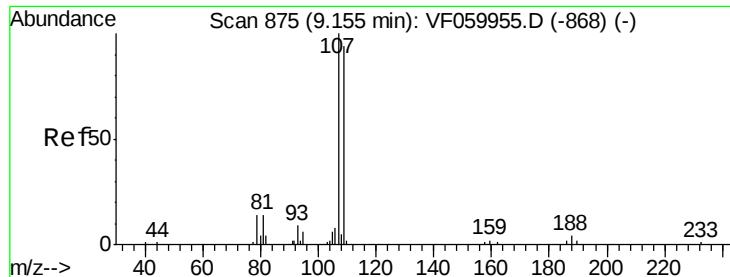
Tot Ion: 43 Resp: 67270
Ion Ratio Lower Upper
43 100
58 39.7 19.4 58.2



#60
Dibromochloromethane
Concen: 19.58 ug/l
RT: 8.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 129 Resp: 33641
Ion Ratio Lower Upper
129 100
127 74.8 40.0 119.9





#61

1,2-Dibromoethane

Concen: 20.26 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

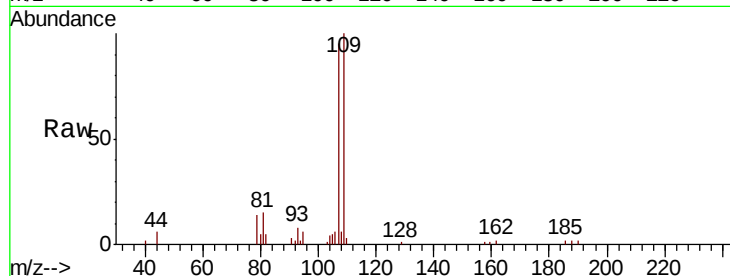
VF0814SBS01

Tot Ion:107 Resp: 21946

Ion Ratio Lower Upper

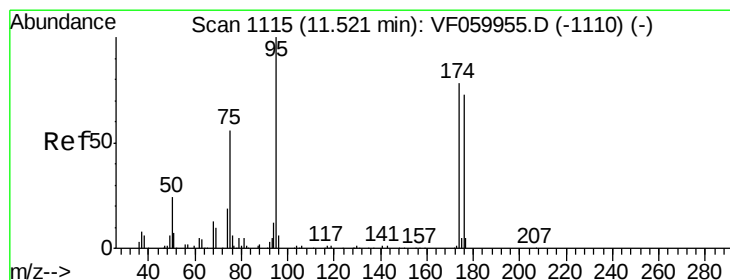
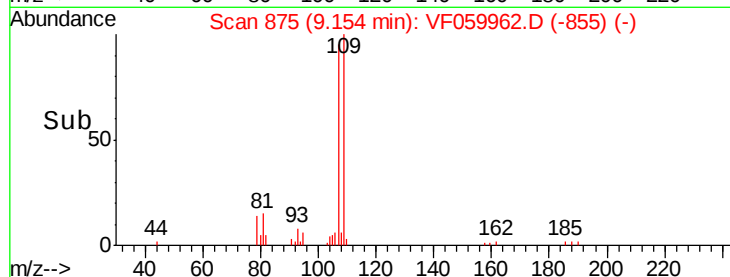
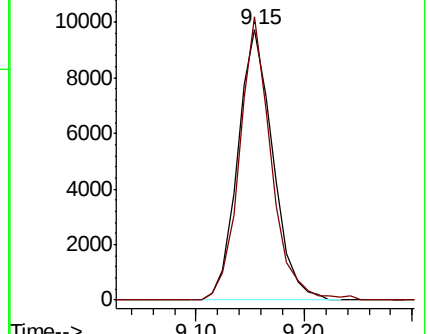
107 100

109 104.7 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.27 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

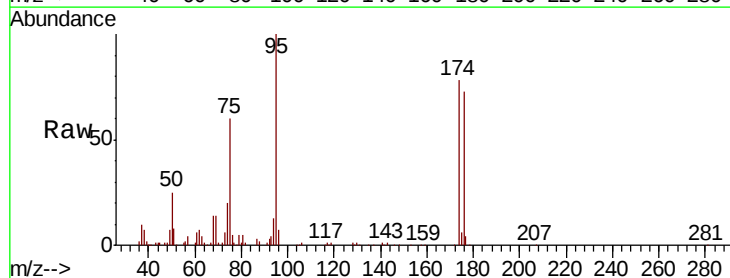
Tgt Ion: 95 Resp: 102447

Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.4

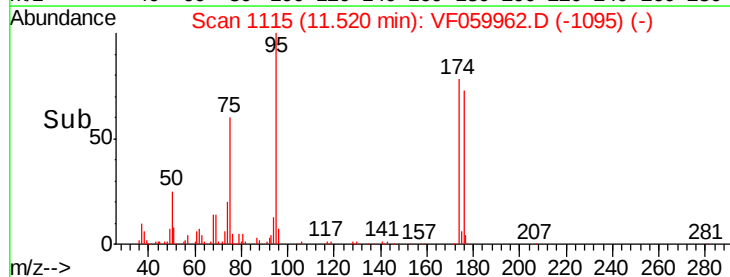
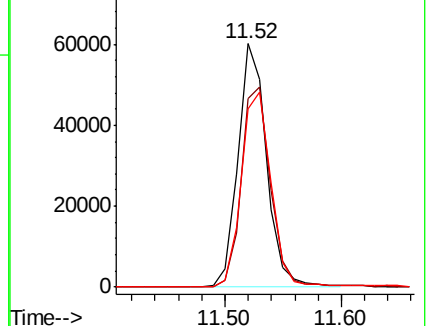
176 73.4 0.0 146.8

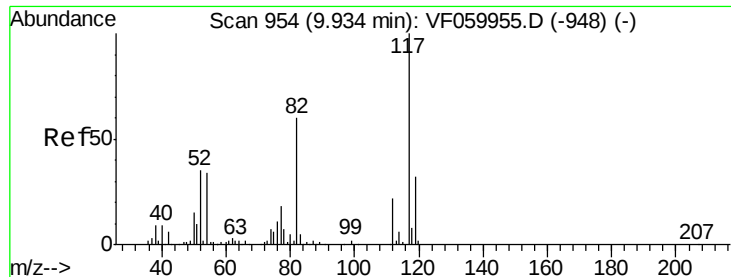


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

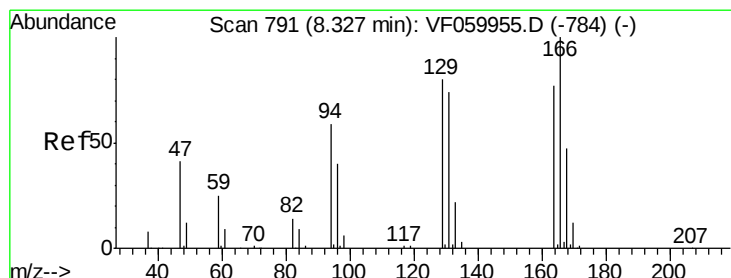
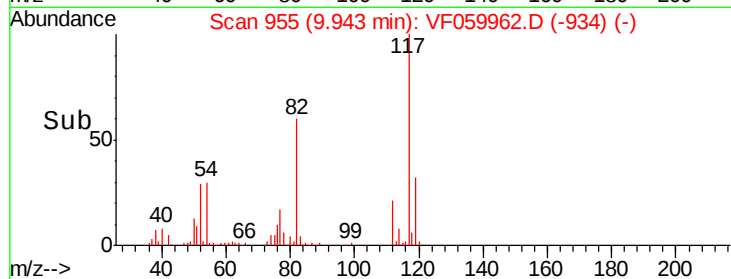
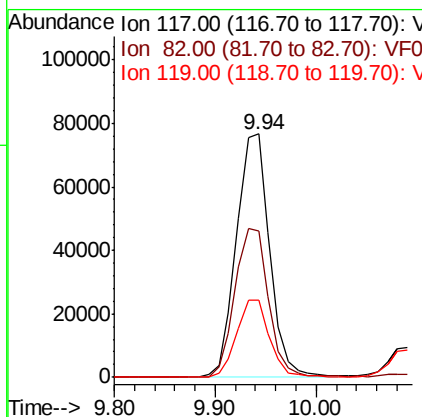
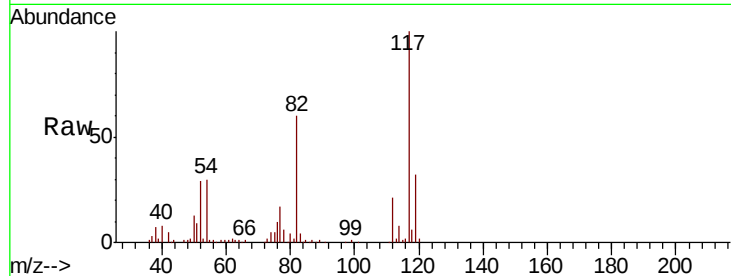




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

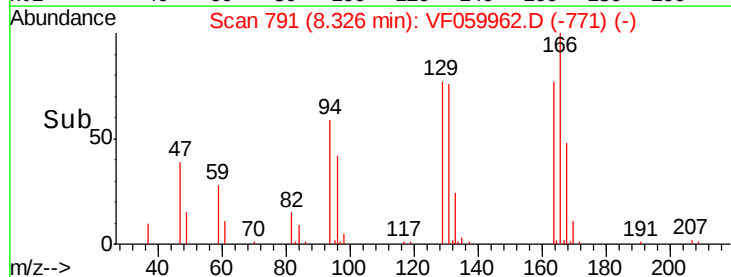
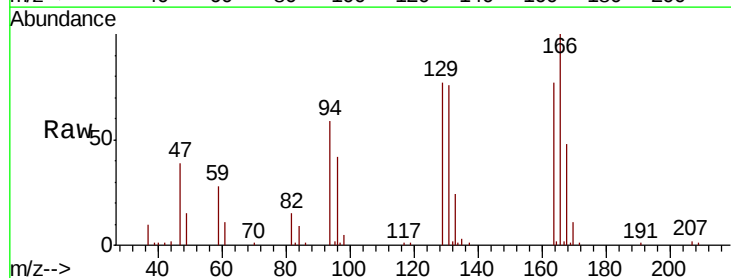
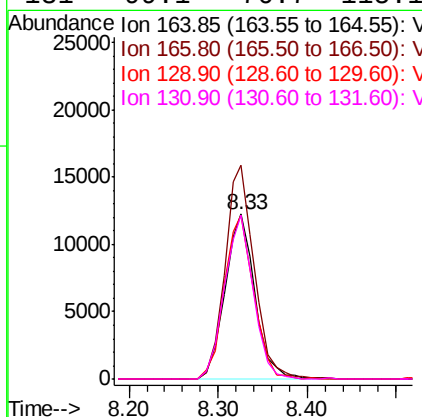
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

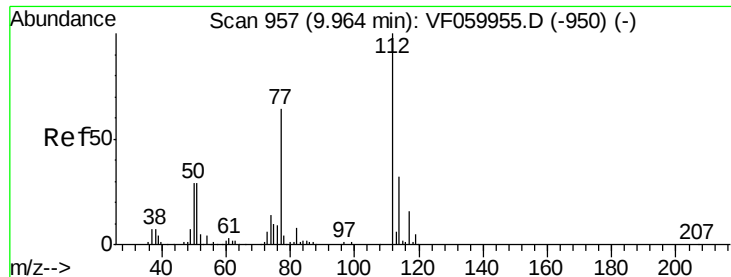
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.3	72.5
119	31.9	25.7	38.5



#64
Tetrachloroethene
Concen: 20.89 ug/l
RT: 8.33 min Scan# 791
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.4	155.2
129	99.7	82.2	123.4
131	99.1	76.7	115.1

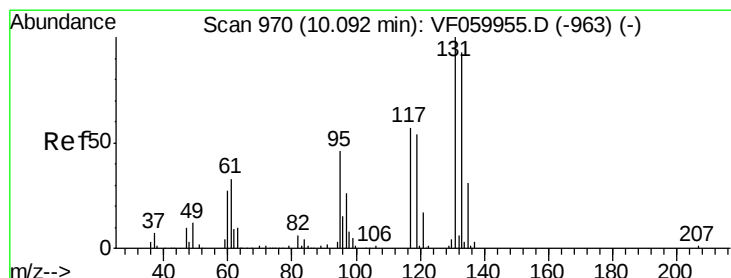
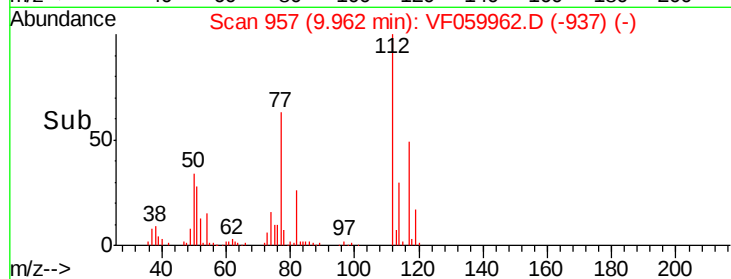
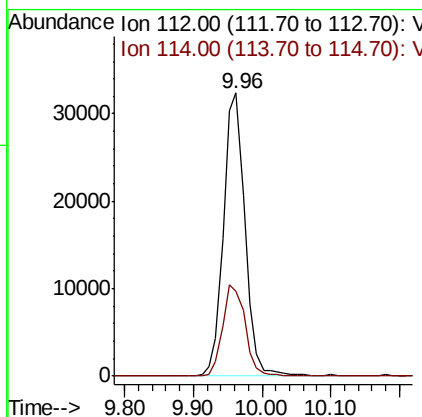
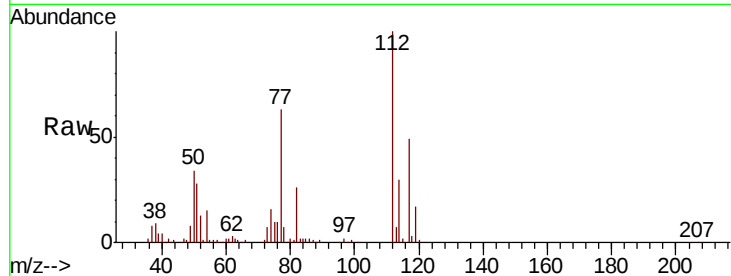




#65
Chlorobenzene
Concen: 20.56 ug/l
RT: 9.96 min Scan# 957
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

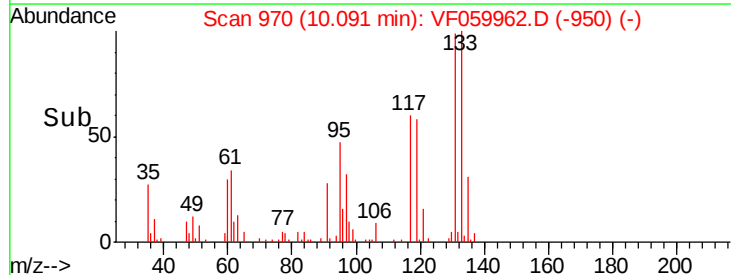
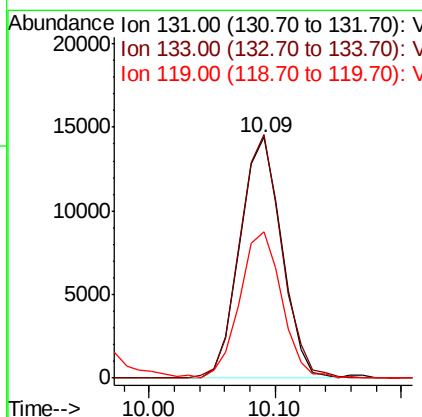
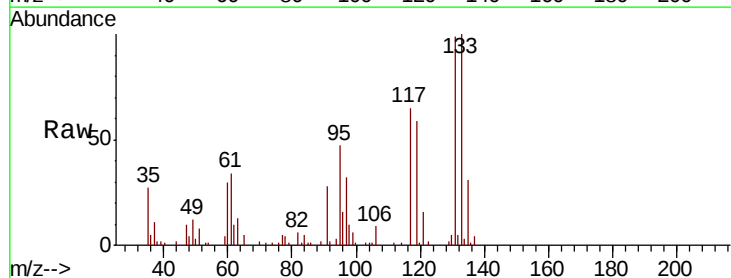
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

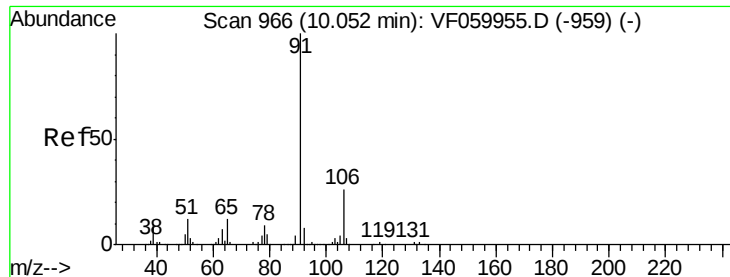
Tot Ion:112 Resp: 70254
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.03 ug/l
RT: 10.09 min Scan# 970
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion:131 Resp: 33090
Ion Ratio Lower Upper
131 100
133 101.2 46.4 139.1
119 61.1 27.2 81.5





#67

Ethyl Benzene

Concen: 21.43 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

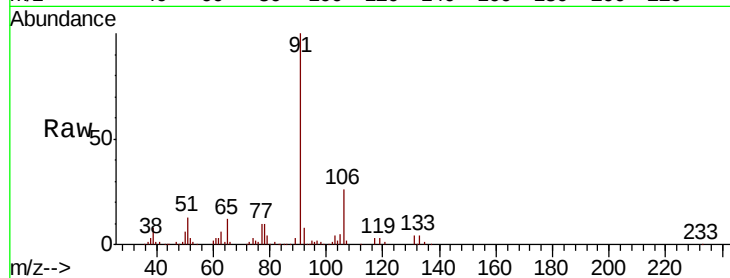
VF0814SBS01

Tot Ion: 91 Resp: 129380

Ion Ratio Lower Upper

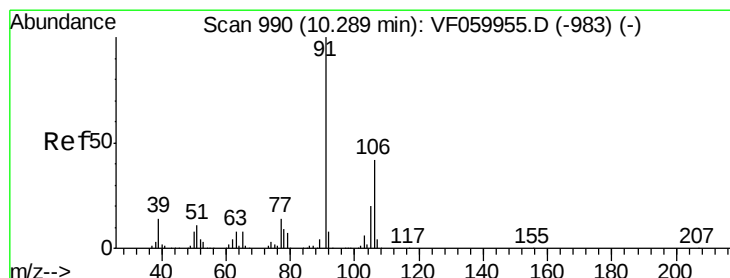
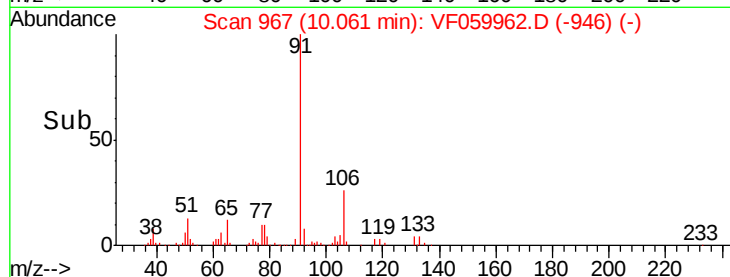
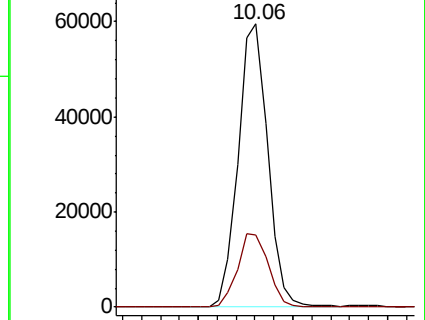
91 100

106 25.5 20.7 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.94 ug/l

RT: 10.29 min Scan# 990

Delta R.T. -0.00 min

Lab File: VF059962.D

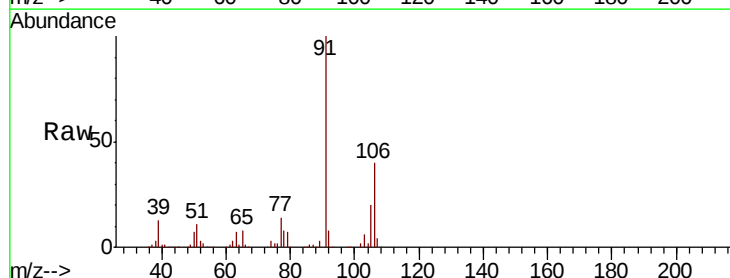
Acq: 15 Aug 2018 00:14

Tgt Ion:106 Resp: 85144

Ion Ratio Lower Upper

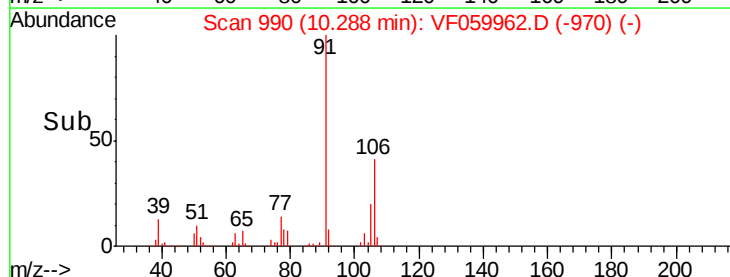
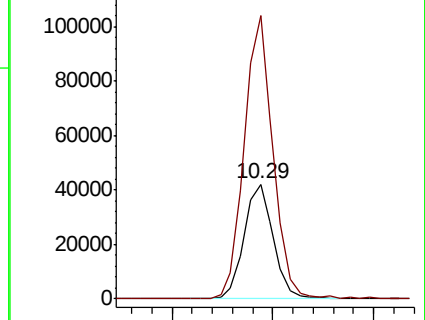
106 100

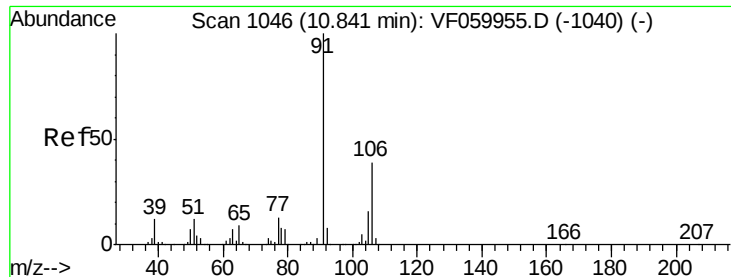
91 247.0 191.8 287.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

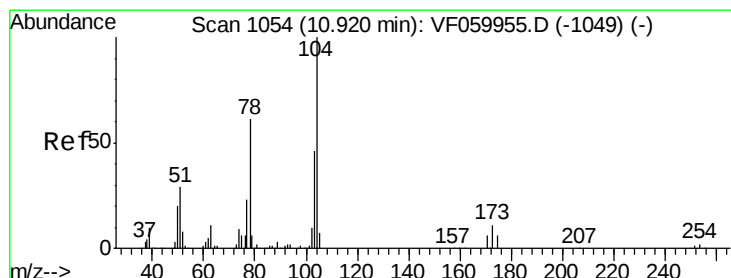
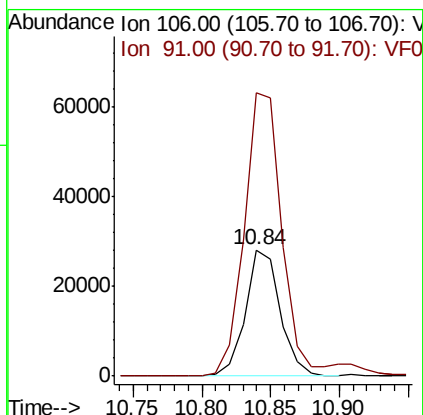
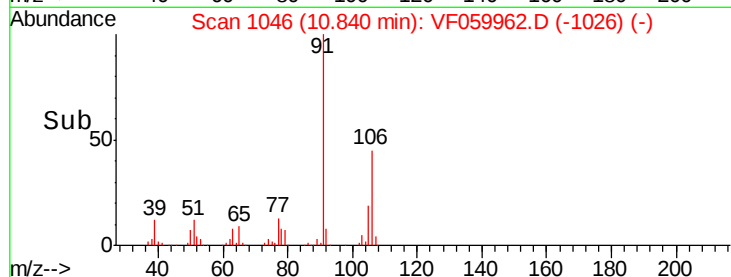
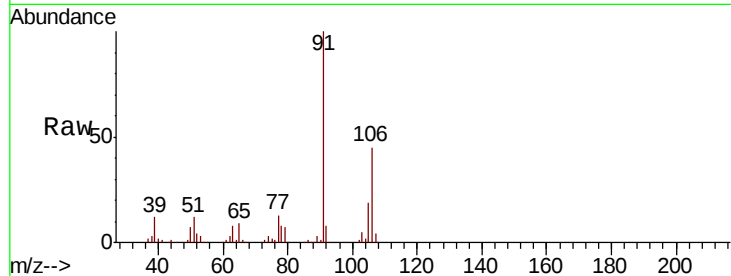




#69
o-Xylene
Concen: 22.58 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

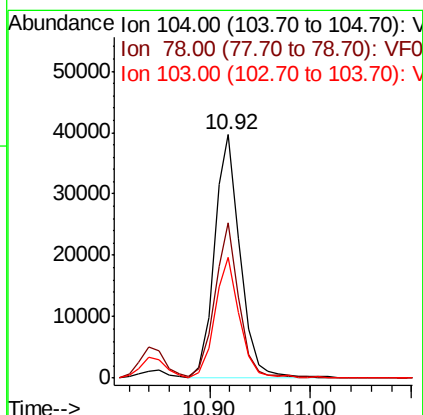
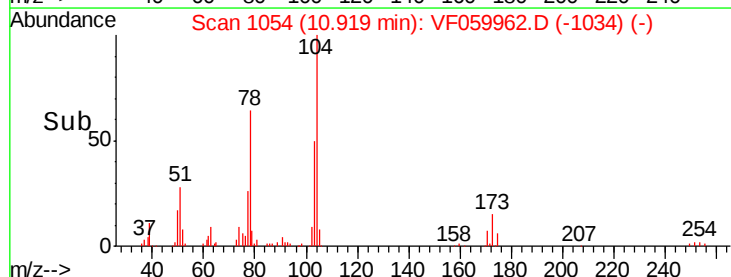
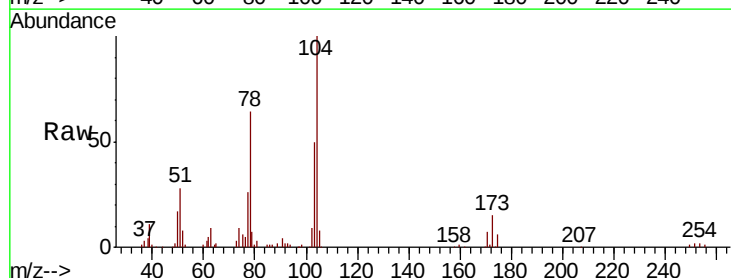
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBSD01

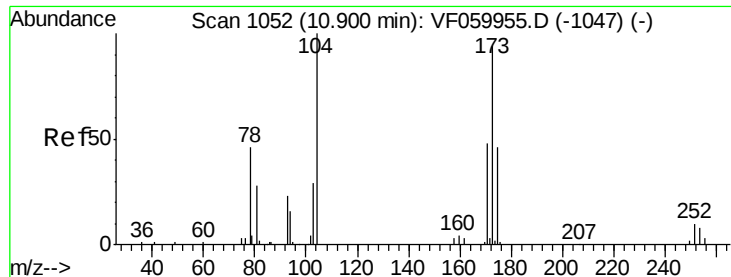
Tot Ion:106 Resp: 49788
Ion Ratio Lower Upper
106 100
91 224.3 126.8 380.6



#70
Styrene
Concen: 21.62 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion:104 Resp: 70534
Ion Ratio Lower Upper
104 100
78 63.9 49.2 73.8
103 49.6 37.4 56.0





#71

Bromoform

Concen: 20.85 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBSD01

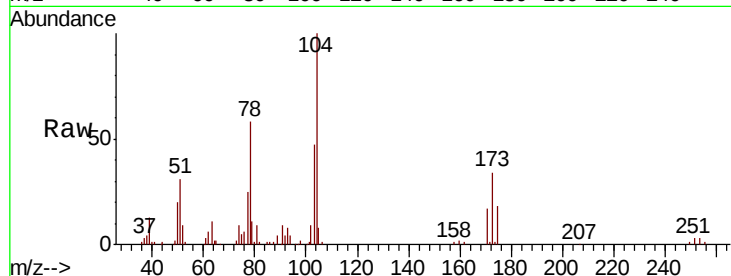
Tot Ion:173 Resp: 21418

Ion Ratio Lower Upper

173 100

175 53.7 24.6 73.6

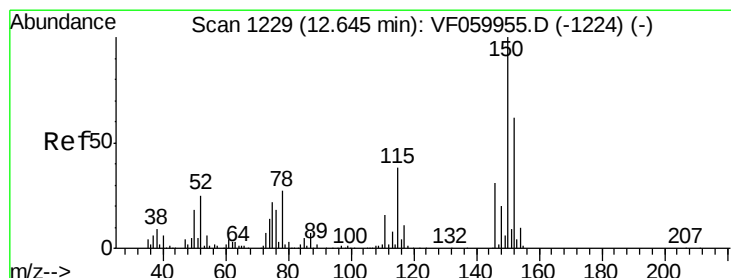
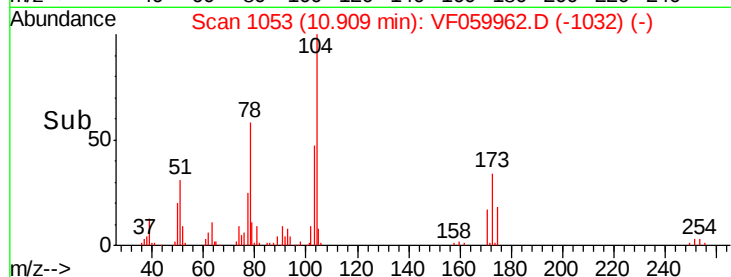
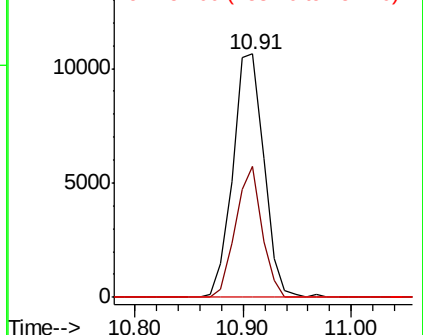
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

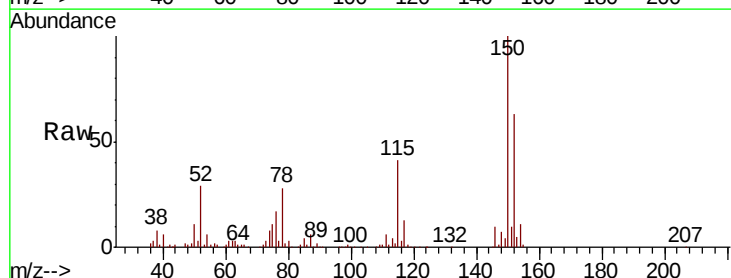
Tgt Ion:152 Resp: 111192

Ion Ratio Lower Upper

152 100

115 65.8 31.4 94.0

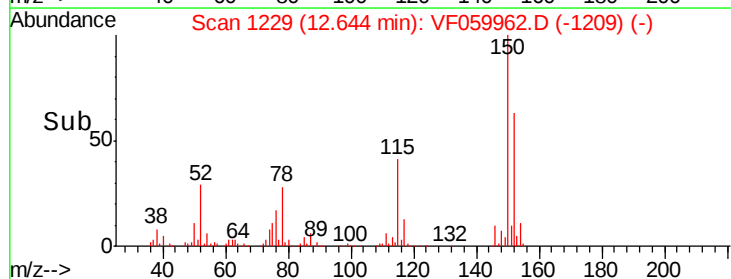
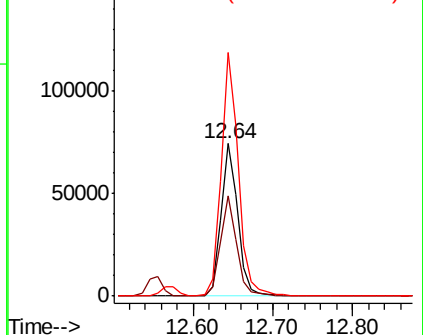
150 159.9 0.0 326.2

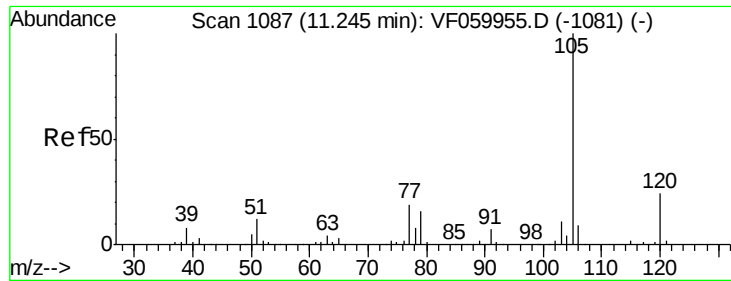


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.01 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

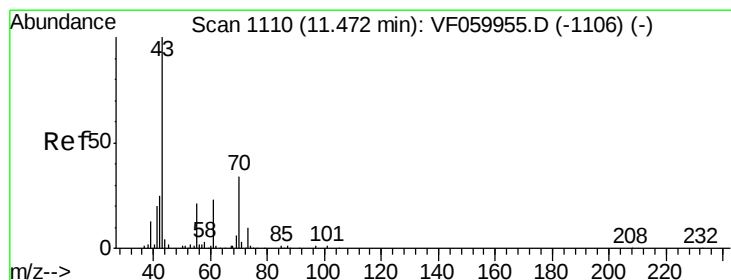
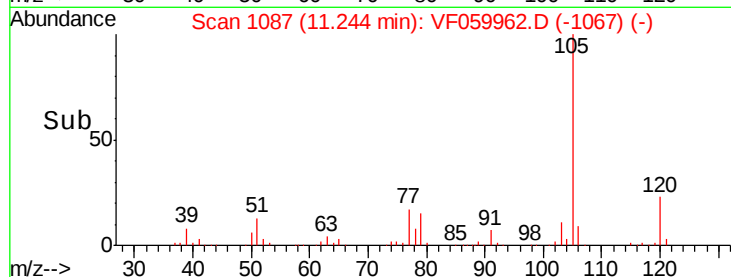
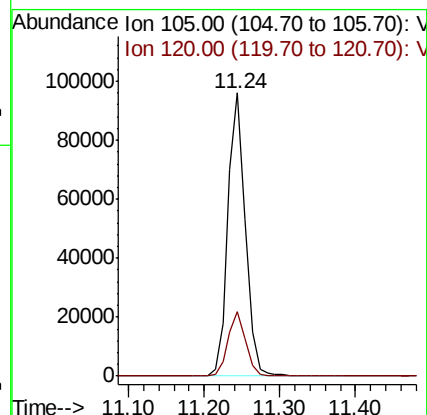
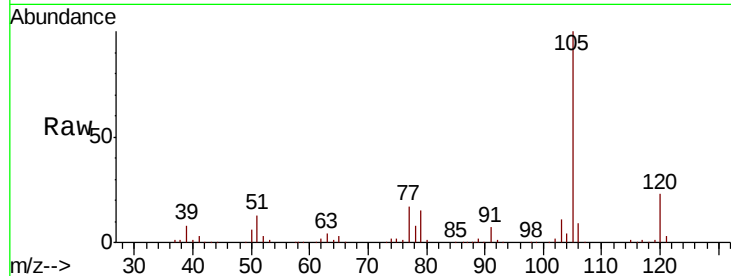
VF0814SBSD01

Tot Ion:105 Resp: 153899

Ion Ratio Lower Upper

105 100

120 22.9 11.9 35.9



#74

N-ethyl acetate

Concen: 20.74 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Tgt Ion: 43 Resp: 31960

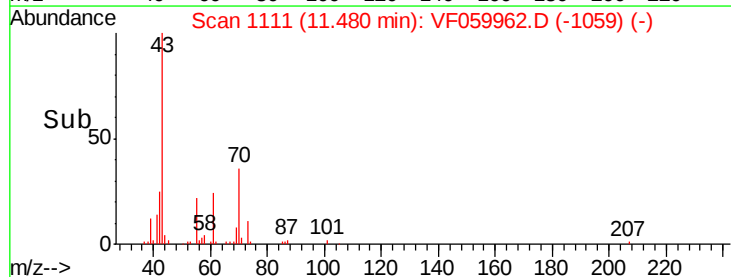
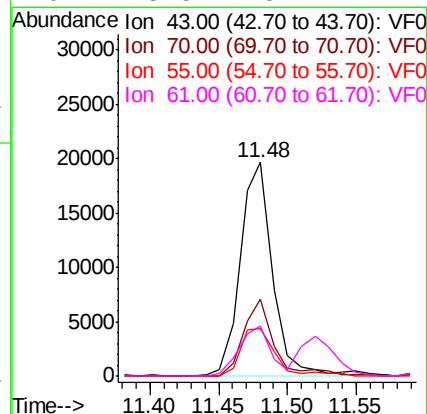
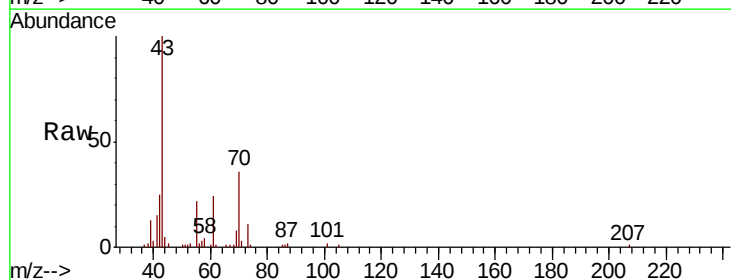
Ion Ratio Lower Upper

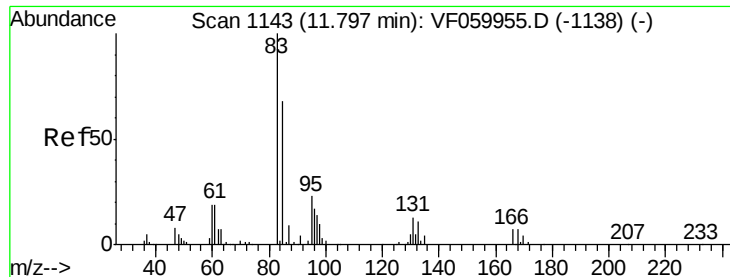
43 100

70 36.2 26.9 40.3

55 22.2 16.9 25.3

61 23.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.57 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

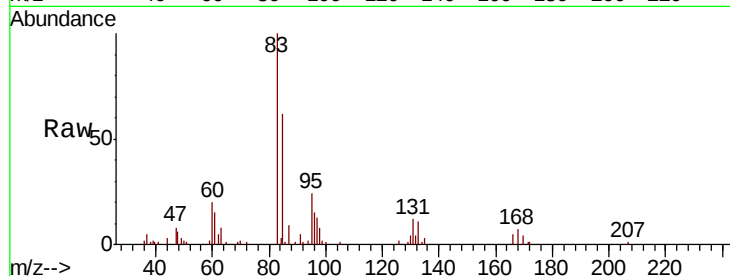
Tot Ion: 83 Resp: 25361

Ion Ratio Lower Upper

83 100

131 12.1 6.3 19.1

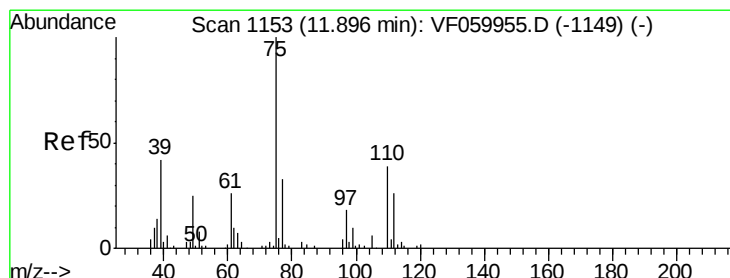
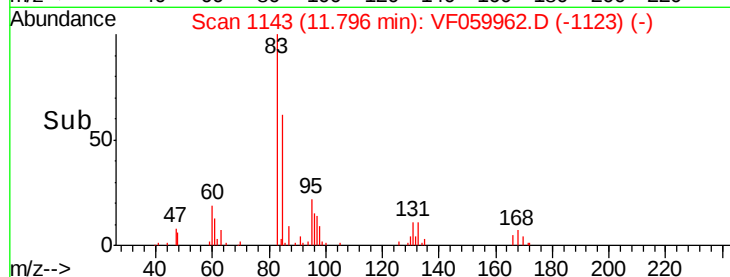
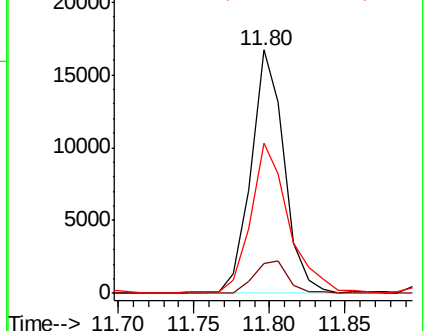
85 63.0 33.9 101.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.43 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF059962.D

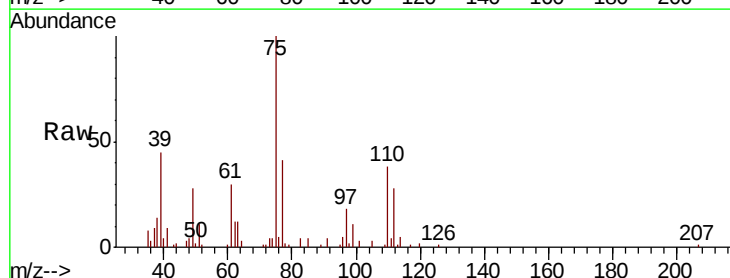
Acq: 15 Aug 2018 00:14

Tgt Ion: 75 Resp: 20705

Ion Ratio Lower Upper

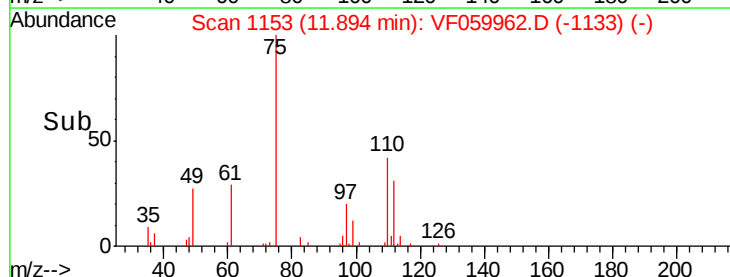
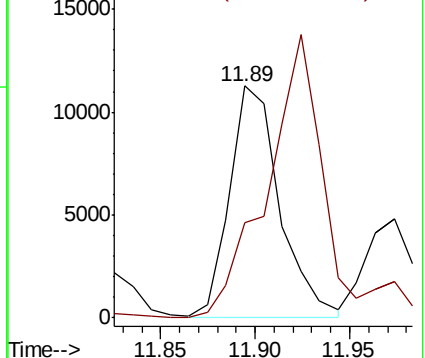
75 100

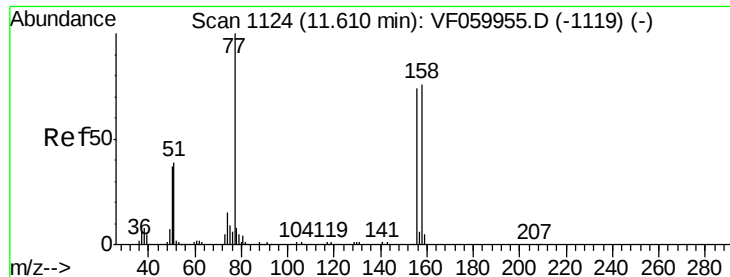
77 40.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.33 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

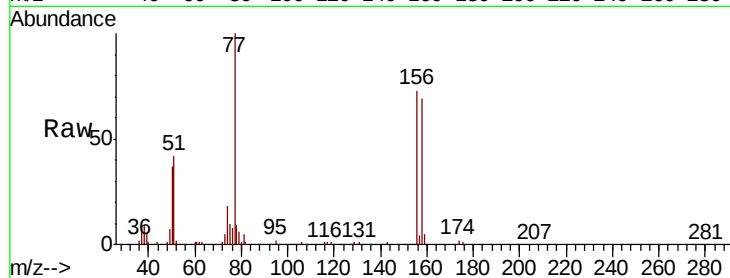
Tot Ion:156 Resp: 39138

Ion Ratio Lower Upper

156 100

77 137.3 67.8 203.2

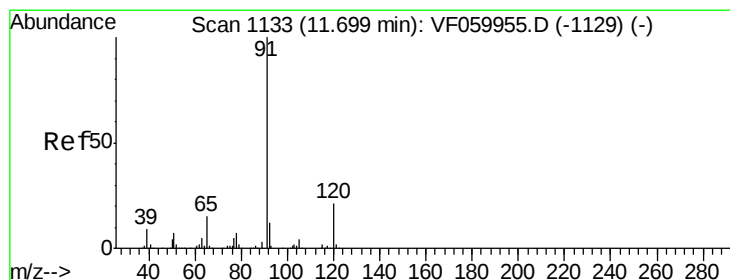
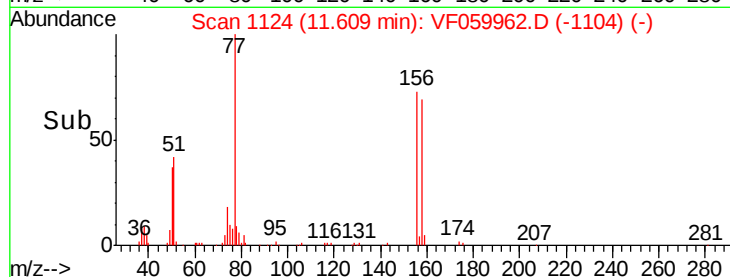
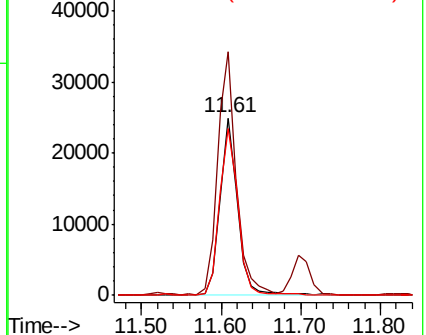
158 94.1 51.7 155.2



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: 22.18 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059962.D

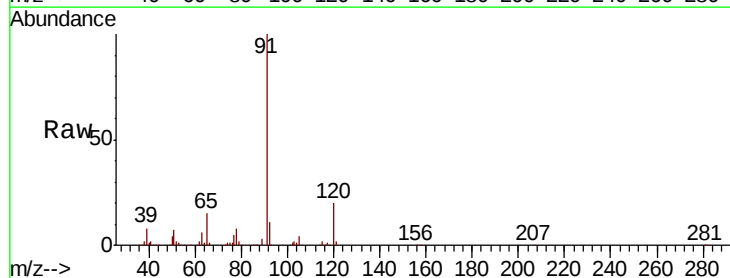
Acq: 15 Aug 2018 00:14

Tgt Ion: 91 Resp: 181997

Ion Ratio Lower Upper

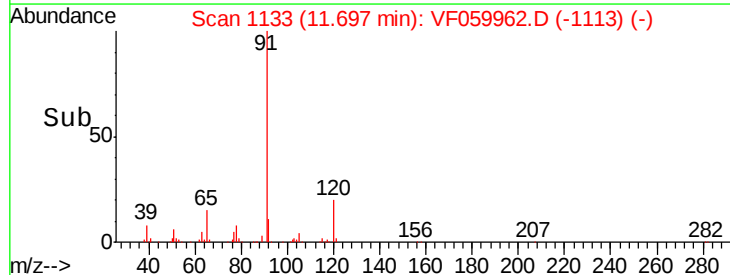
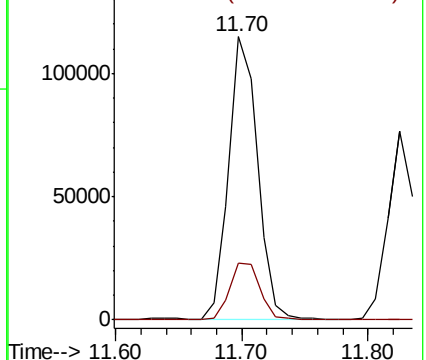
91 100

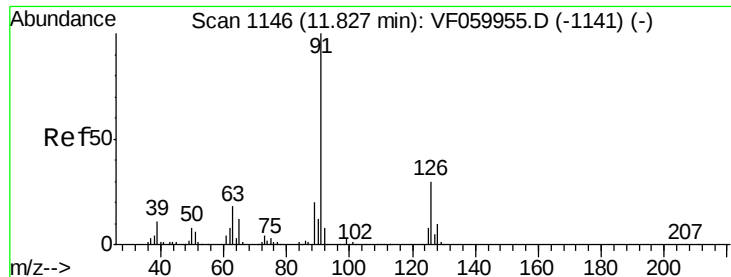
120 20.2 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.77 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

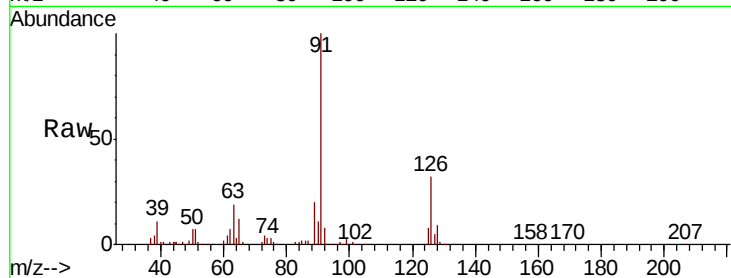
VF0814SBSD01

Tot Ion: 91 Resp: 111956

Ion Ratio Lower Upper

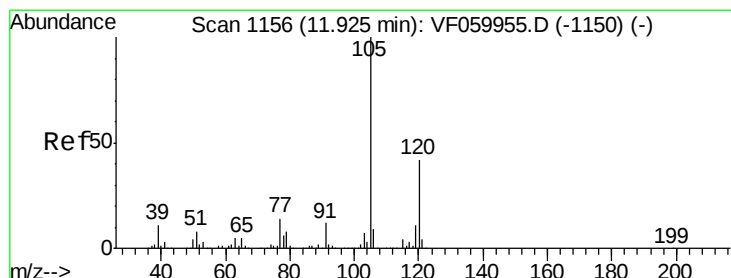
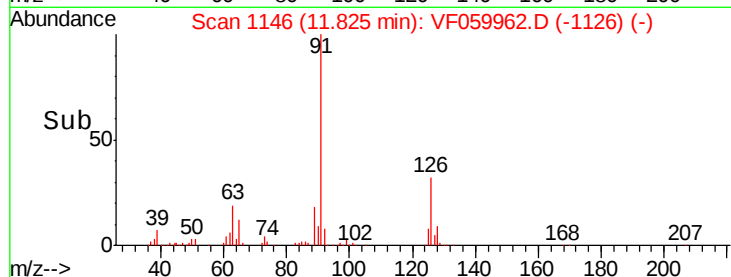
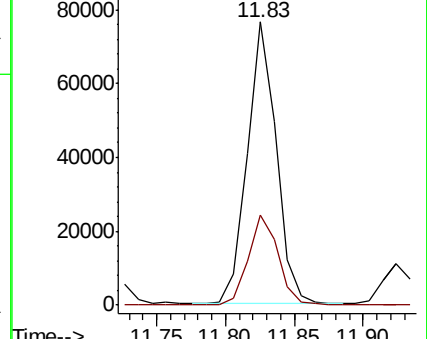
91 100

126 31.7 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.97 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059962.D

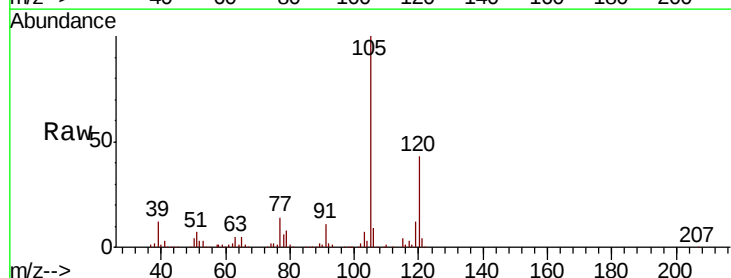
Acq: 15 Aug 2018 00:14

Tgt Ion:105 Resp: 143082

Ion Ratio Lower Upper

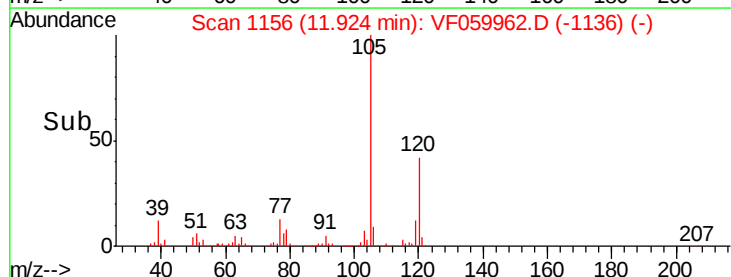
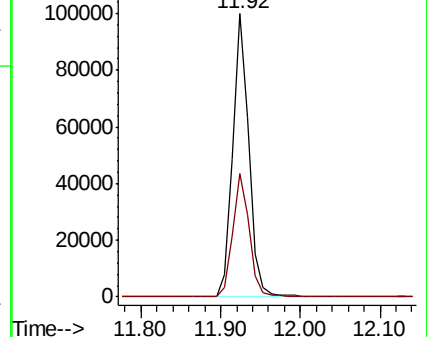
105 100

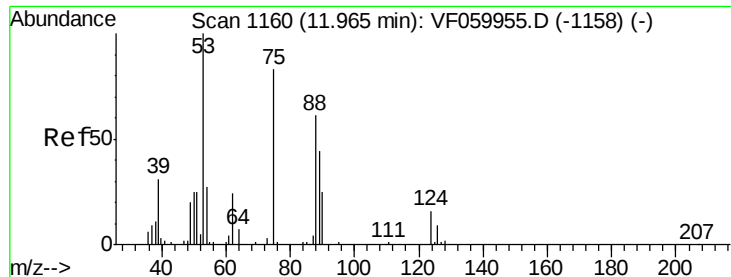
120 43.4 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

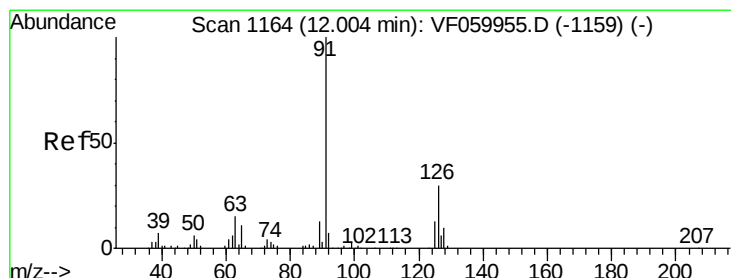
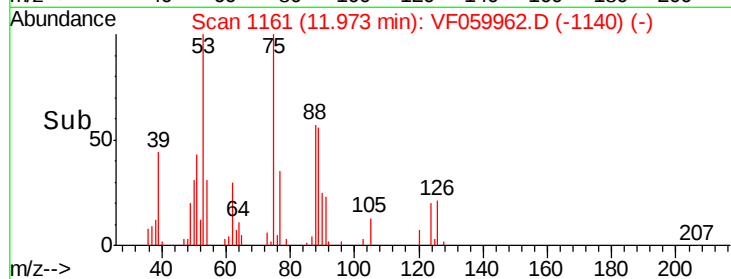
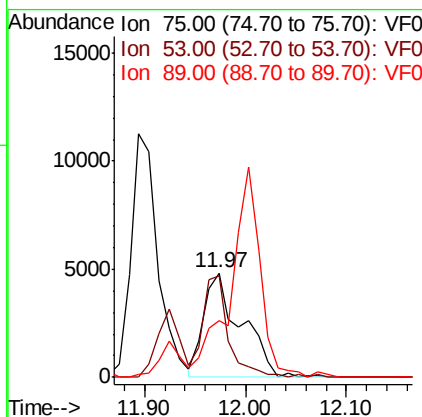
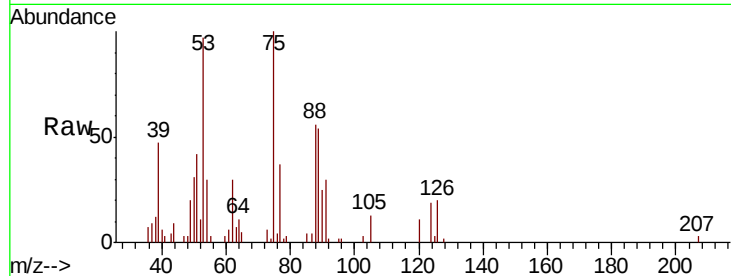




#81
trans-1,4-Dichloro-2-butene
Concen: 30.43 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

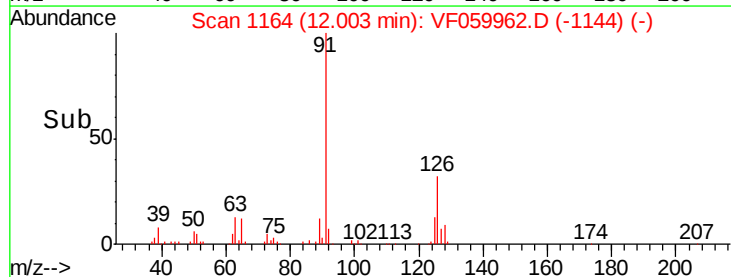
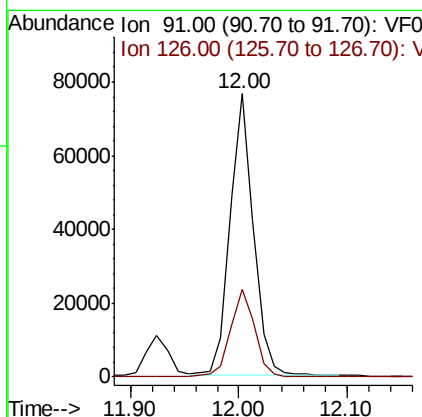
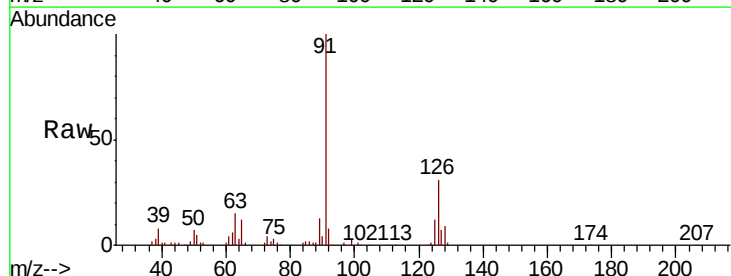
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

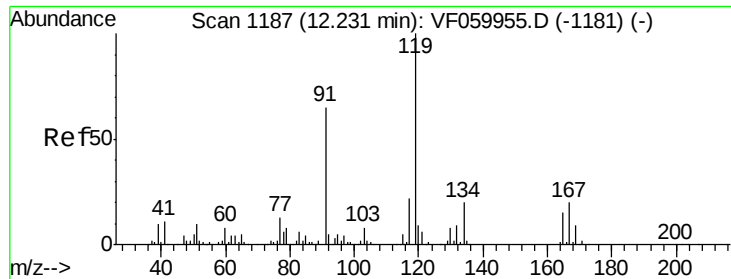
Tot Ion: 75 Resp: 12606
Ion Ratio Lower Upper
75 100
53 97.4 97.1 145.7
89 54.3 43.6 65.4



#82
4-Chlorotoluene
Concen: 20.40 ug/l
RT: 12.00 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 91 Resp: 115734
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.8

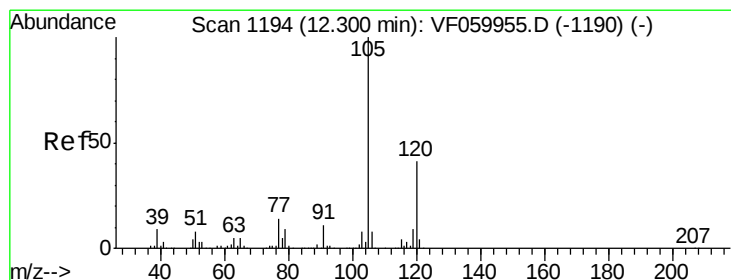
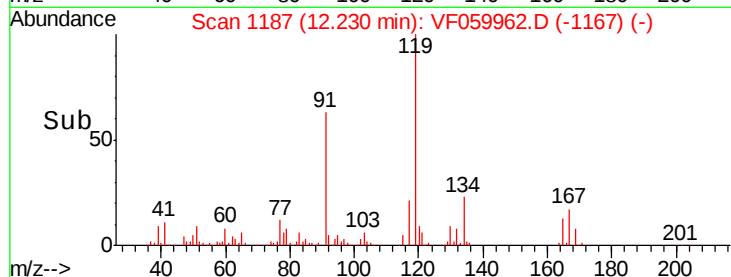
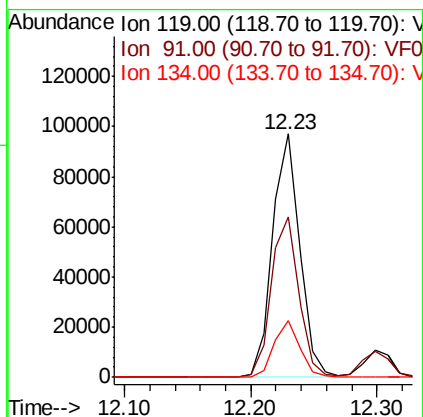
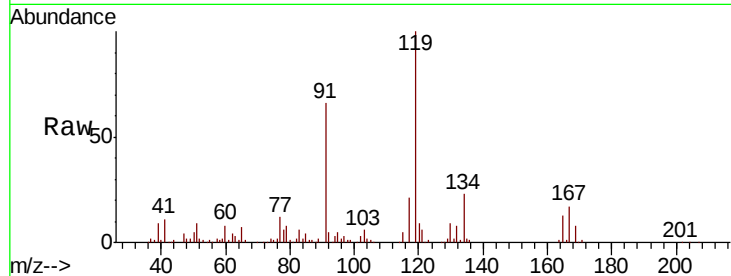




#83
tert-Butylbenzene
Concen: 22.82 ug/l
RT: 12.23 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

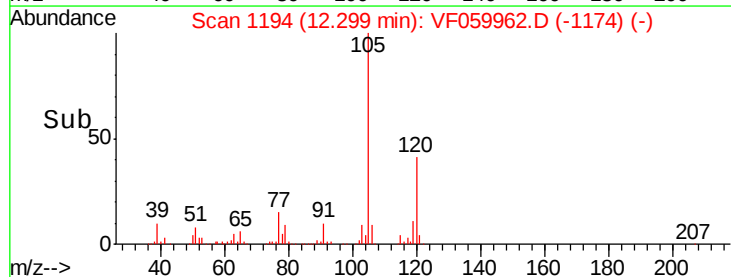
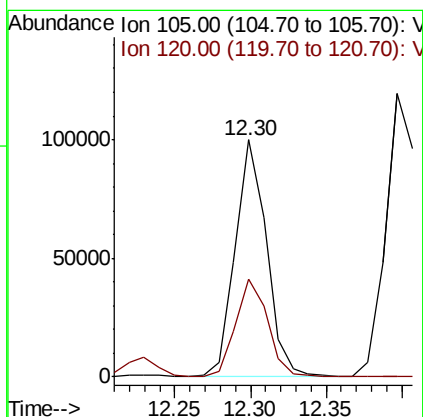
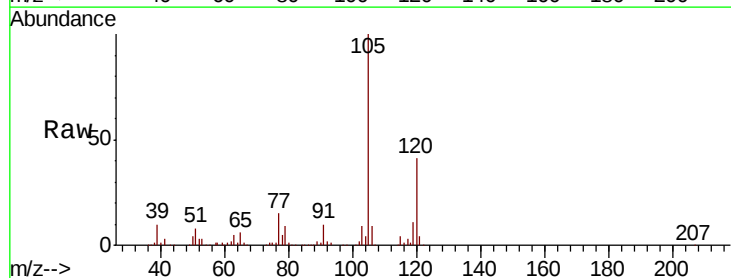
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBSD01

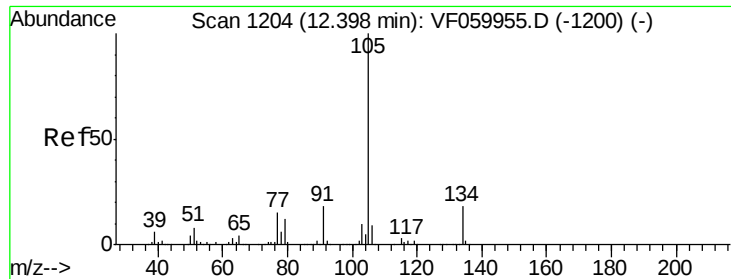
Tot Ion:119 Resp: 146390
Ion Ratio Lower Upper
119 100
91 66.0 32.6 98.0
134 23.0 10.1 30.3



#84
1,2,4-Trimethylbenzene
Concen: 21.86 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion:105 Resp: 143501
Ion Ratio Lower Upper
105 100
120 41.2 20.6 61.9

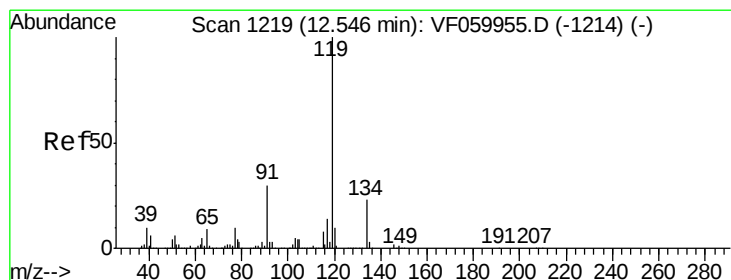
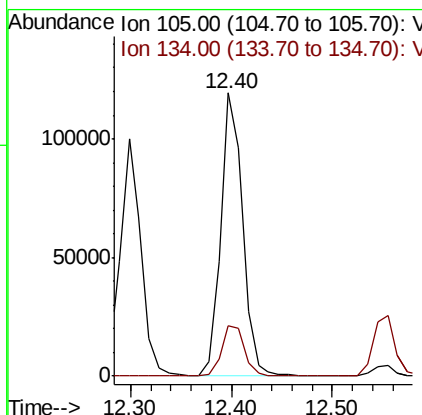
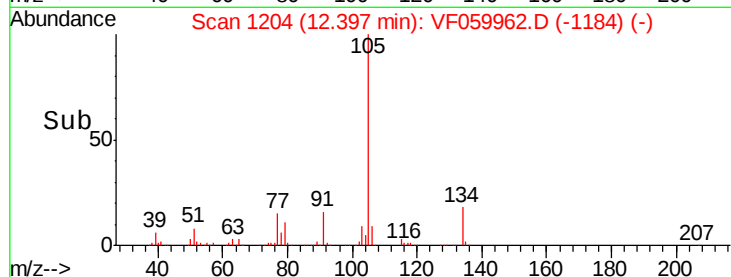
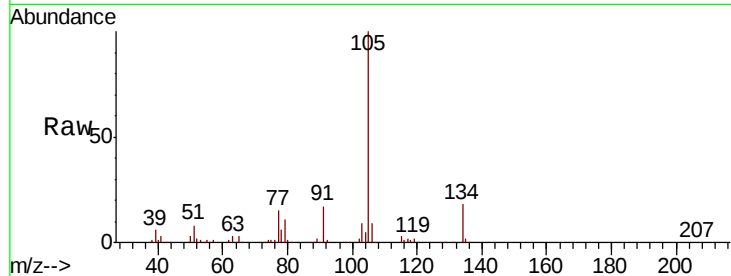




#85
 sec-Butylbenzene
 Concen: 22.07 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

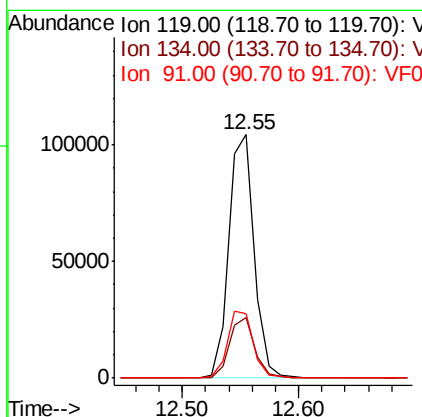
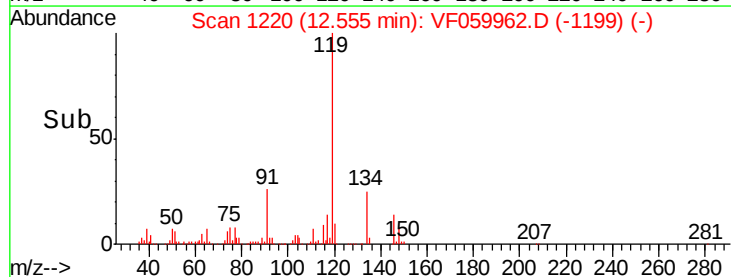
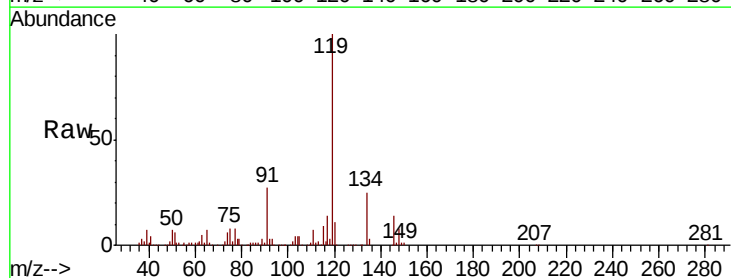
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

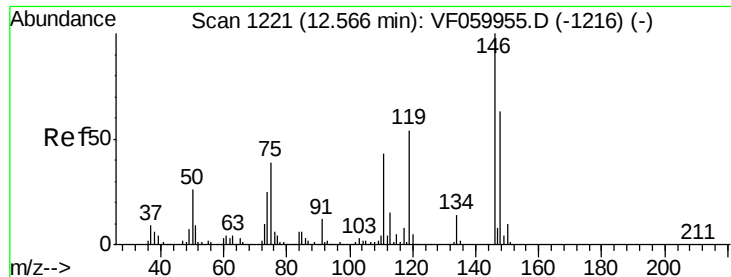
Tot Ion:105 Resp: 180362
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.93 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

Tgt Ion:119 Resp: 157919
 Ion Ratio Lower Upper
 119 100
 134 24.7 11.4 34.2
 91 26.7 14.8 44.4

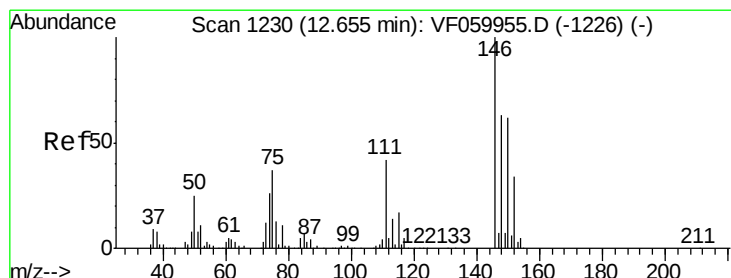
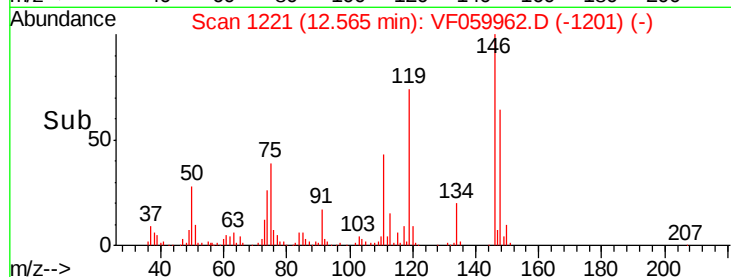
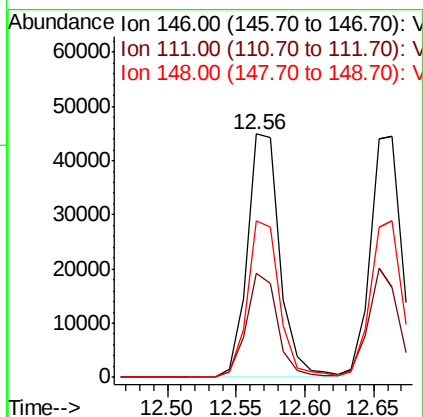
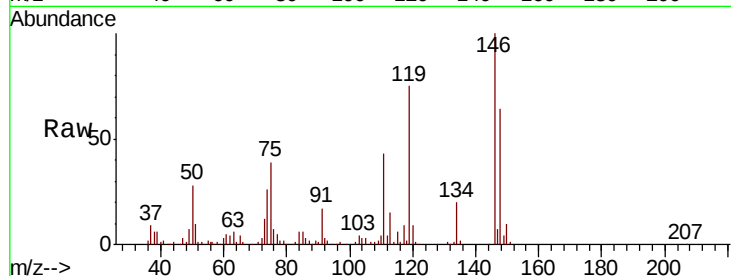




#87
 1,3-Dichlorobenzene
 Concen: 21.45 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

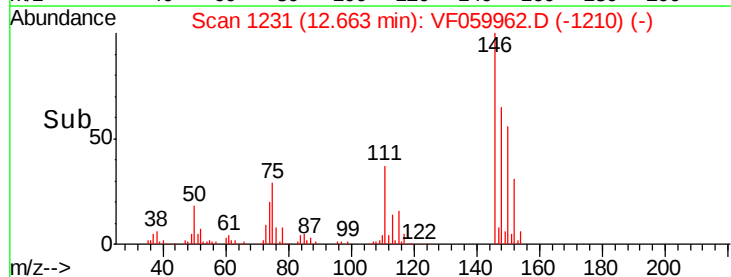
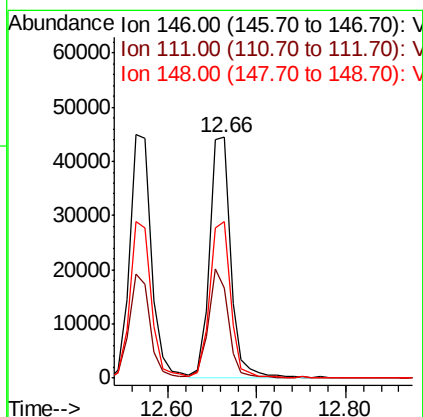
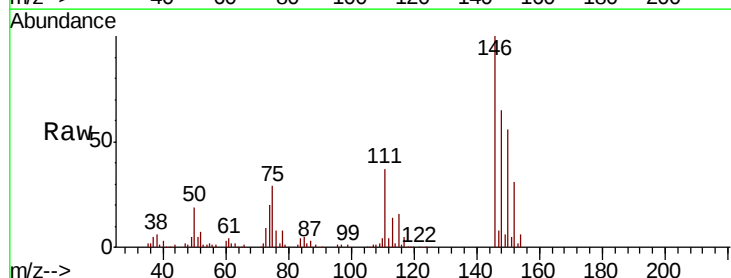
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBSD01

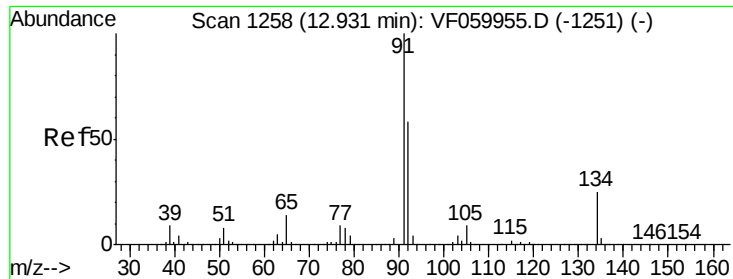
Tot Ion:146 Resp: 74655
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.3 63.9
 148 64.4 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.45 ug/l
 RT: 12.66 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

Tgt Ion:146 Resp: 73526
 Ion Ratio Lower Upper
 146 100
 111 37.4 21.1 63.1
 148 65.2 31.7 95.1

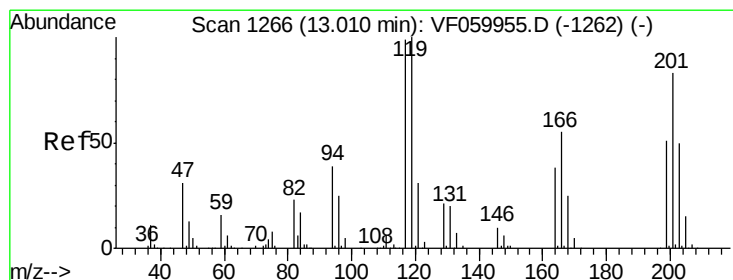
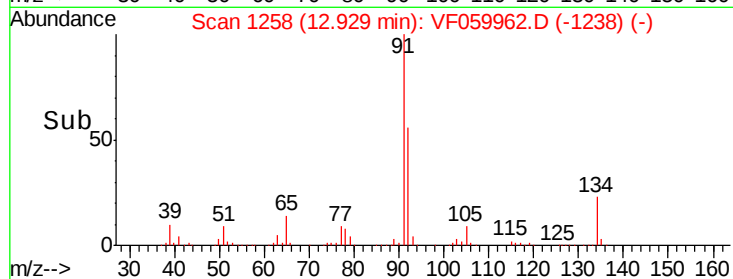
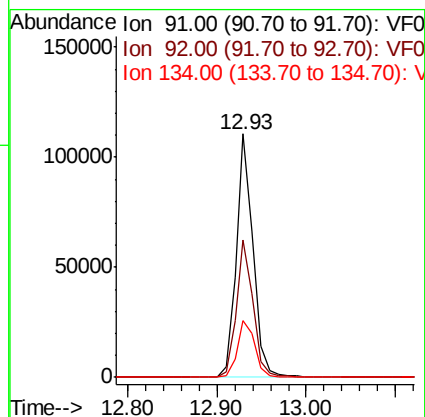
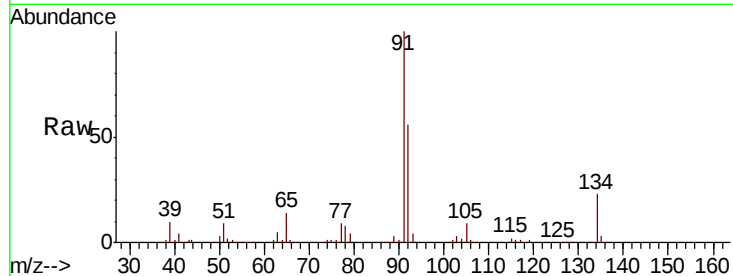




#89
n-Butylbenzene
Concen: 21.28 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

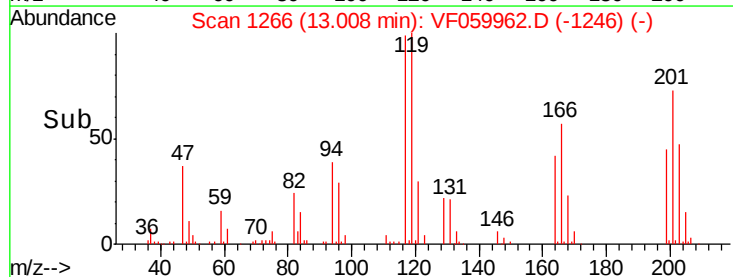
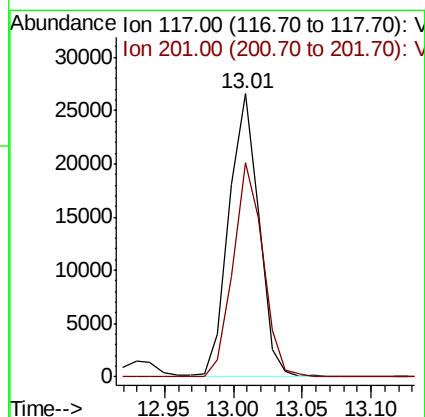
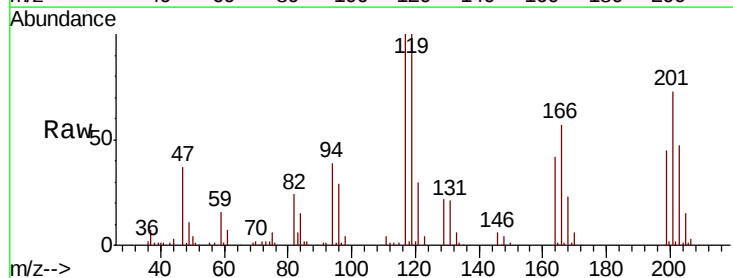
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

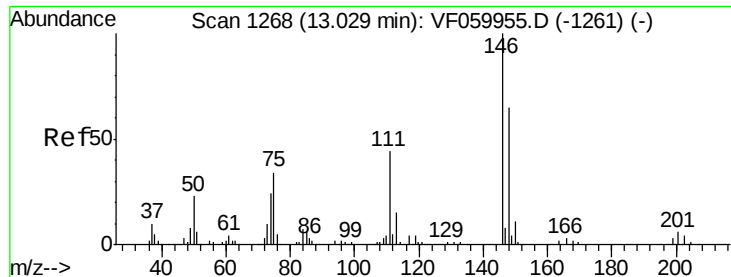
Tot Ion: 91 Resp: 147616
Ion Ratio Lower Upper
91 100
92 56.4 29.2 87.6
134 23.2 12.8 38.3



#90
Hexachloroethane
Concen: 22.53 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion: 117 Resp: 40157
Ion Ratio Lower Upper
117 100
201 75.5 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 21.66 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

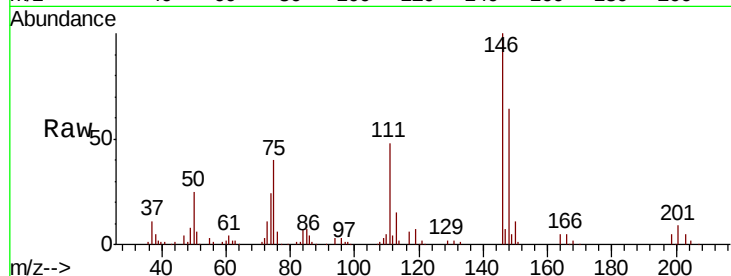
Tot Ion:146 Resp: 73111

Ion Ratio Lower Upper

146 100

111 48.0 22.0 66.0

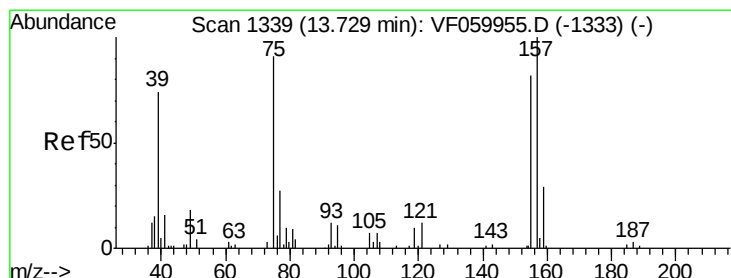
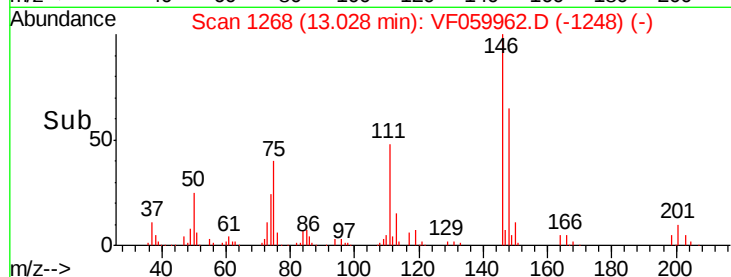
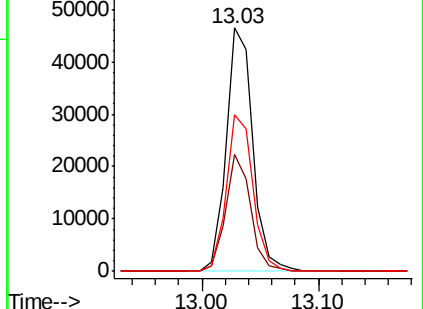
148 64.5 32.4 97.0



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: 20.19 ug/l

RT: 13.73 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VF059962.D

Acq: 15 Aug 2018 00:14

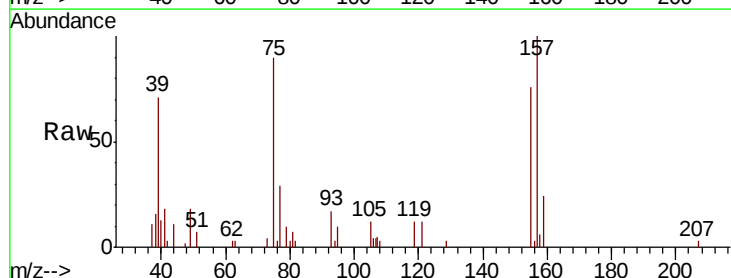
Tgt Ion: 75 Resp: 6431

Ion Ratio Lower Upper

75 100

155 84.1 44.6 134.0

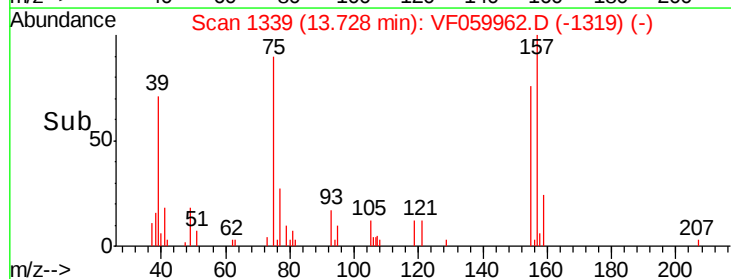
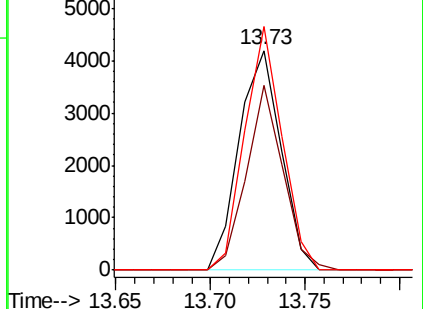
157 110.9 54.8 164.3

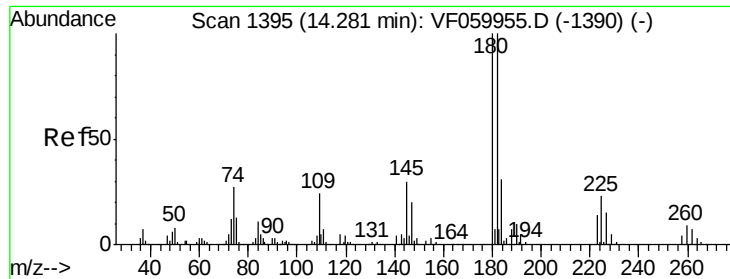


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

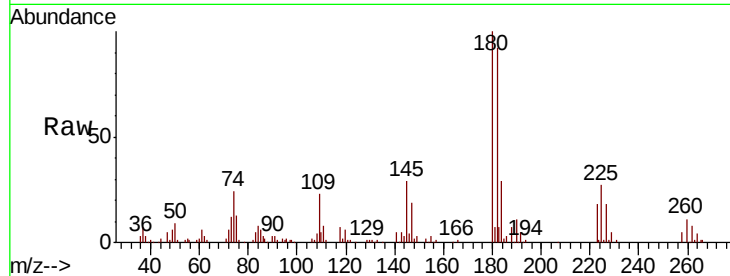




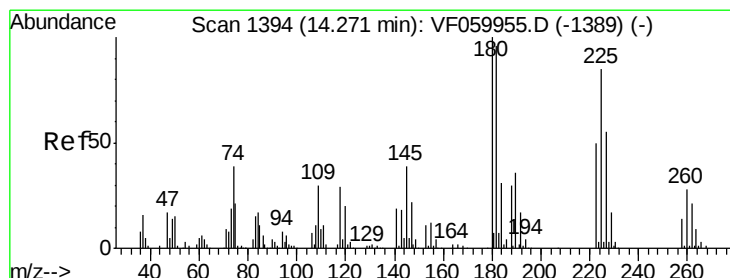
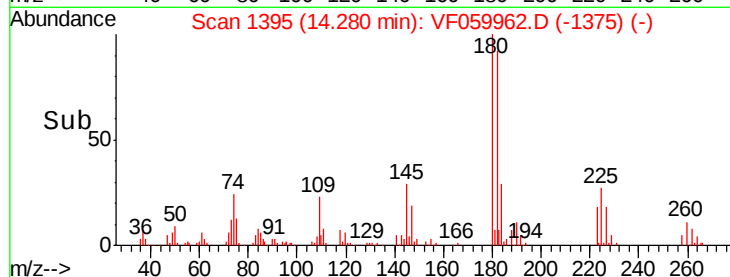
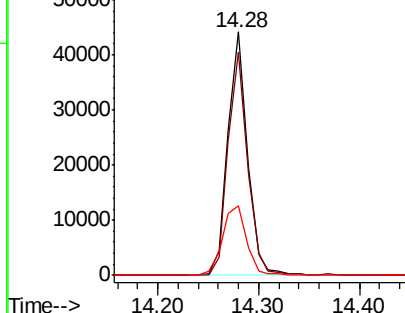
#93
 1,2,4-Trichlorobenzene
 Concen: 22.00 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Tot Ion:180 Resp: 59531
 Ion Ratio Lower Upper
 180 100
 182 91.8 50.2 150.7
 145 28.7 14.9 44.9

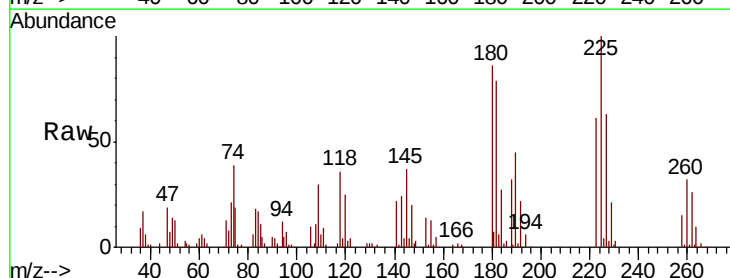


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

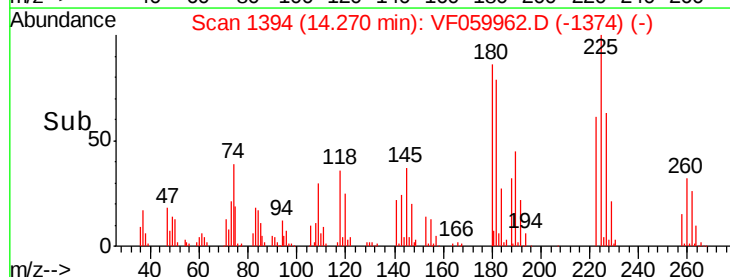
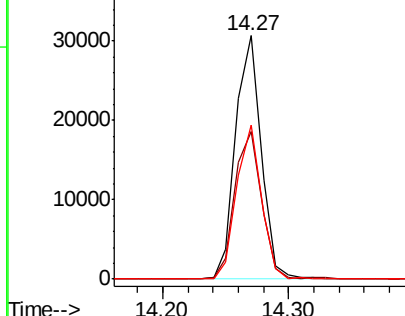


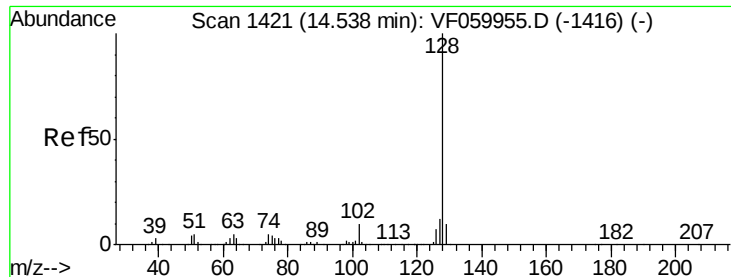
#94
 Hexachlorobutadiene
 Concen: 22.15 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059962.D
 Acq: 15 Aug 2018 00:14

Tgt Ion:225 Resp: 42852
 Ion Ratio Lower Upper
 225 100
 223 60.8 29.6 88.8
 227 63.5 32.5 97.5



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

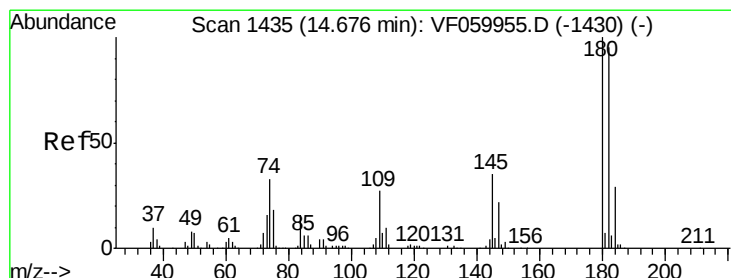
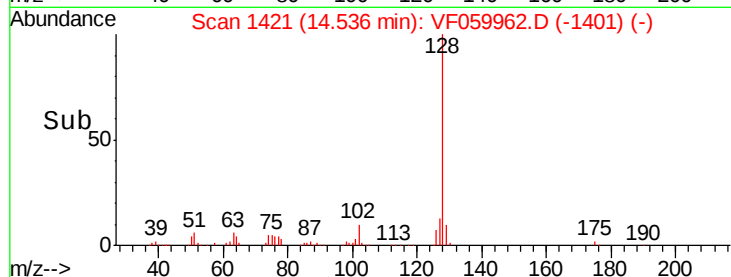
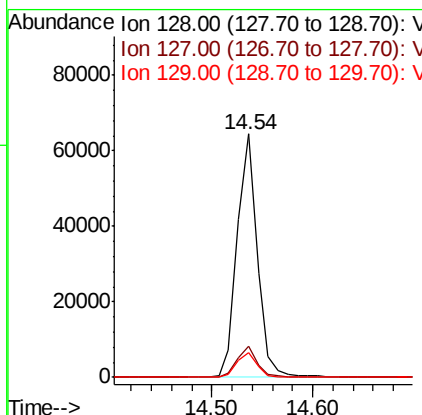
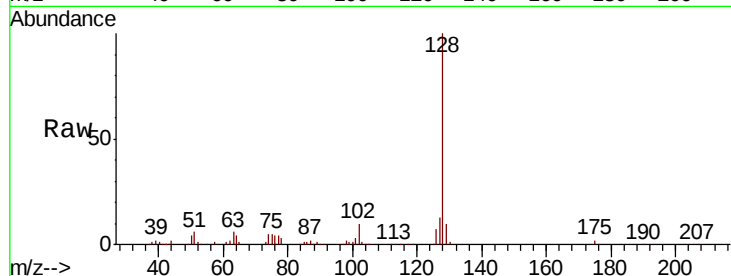




#95
Naphthalene
Concen: 20.23 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. -0.00 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion:128 Resp: 89372
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.0 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.81 ug/l
RT: 14.68 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VF059962.D
Acq: 15 Aug 2018 00:14

Tgt Ion:180 Resp: 53740
Ion Ratio Lower Upper
180 100
182 96.2 47.5 142.6
145 27.9 17.6 52.8

