

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060160.D
 Acq On : 28 Aug 2018 19:58
 Operator : VA/AP
 Sample : VF0828SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

Quant Time: Aug 29 01:18:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	95749	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	119154	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	104488	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	56532	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	33517	25.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	51.16%	
35) Dibromofluoromethane	4.28	113	38941	41.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	83.24%	
50) Toluene-d8	7.71	98	124623	46.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	11.50	95	49976	35.55	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	71.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	34172	27.11	ug/l	94
3) Chloromethane	1.07	50	15903	16.99	ug/l	90
4) Vinyl Chloride	1.12	62	14360	18.35	ug/l	89
5) Bromomethane	1.32	94	7598	12.78	ug/l #	79
6) Chloroethane	1.40	64	9388	30.43	ug/l #	82
7) Trichlorofluoromethane	1.49	101	67067	42.61	ug/l	97
8) Diethyl Ether	1.69	74	3152	11.20	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.86	101	28852	34.92	ug/l	93
10) Methyl Iodide	1.93	142	16139	14.78	ug/l	95
11) Tert butyl alcohol	2.63	59	1472	21.11	ug/l #	7
12) 1,1-Dichloroethene	1.82	96	18673	30.68	ug/l	98
13) Acrolein	2.07	56	792	42.96	ug/l #	78
14) Allyl chloride	2.18	41	16423	15.19	ug/l #	89
15) Acrylonitrile	3.05	53	4290	31.18	ug/l	95
16) Acetone	2.31	43	10417	30.25	ug/l	93
17) Carbon Disulfide	1.84	76	54435	28.56	ug/l	98
18) Methyl Acetate	2.43	43	4563	3.97	ug/l	93
19) Methyl tert-butyl Ether	2.50	73	17265	8.85	ug/l	100
20) Methylene Chloride	2.28	84	11495	13.17	ug/l #	89
21) trans-1,2-Dichloroethene	2.40	96	16691	24.51	ug/l	90
22) Diisopropyl ether	2.90	45	30763	12.71	ug/l #	94
23) Vinyl Acetate	3.31	43	42362	33.03	ug/l #	93
24) 1,1-Dichloroethane	2.99	63	31277	20.92	ug/l	98
25) 2-Butanone	4.47	43	10103	22.58	ug/l #	72
26) 2,2-Dichloropropane	3.74	77	19757	12.77	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	14641	15.17	ug/l	81
28) Bromochloromethane	3.87	49	6983	11.06	ug/l	83
29) Tetrahydrofuran	4.24	42	4164	24.65	ug/l #	85
30) Chloroform	4.02	83	34028	16.21	ug/l	91
31) Cyclohexane	3.86	56	24302	21.33	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	44378	24.69	ug/l	94
36) 1,1-Dichloropropene	4.45	75	32015	28.59	ug/l #	87
37) Ethyl Acetate	4.26	43	4994	7.46	ug/l #	1
38) Carbon Tetrachloride	4.16	117	41031	31.64	ug/l	90

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 Sample : VF0828SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

Quant Time: Aug 29 01:18:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	29588	28.18	ug/l	92
40) Benzene	4.80	78	46333	18.94	ug/l	97
41) Methacrylonitrile	4.91	41	2649	7.82	ug/l #	85
42) 1,2-Dichloroethane	5.09	62	18499	14.10	ug/l	98
43) Isopropyl Acetate	7.10	43	6115	7.26	ug/l #	80
44) Trichloroethene	5.67	130	20457	25.30	ug/l	89
45) 1,2-Dichloropropane	6.40	63	10048	14.52	ug/l	89
46) Dibromomethane	6.24	93	5966	11.02	ug/l	90
47) Bromodichloromethane	6.54	83	21813	16.68	ug/l	90
48) Methyl methacrylate	6.86	41	5248	9.41	ug/l #	82
49) 1,4-Dioxane	6.85	88	716	133.73	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	28009	38.48	ug/l	92
52) Toluene	7.78	92	37852	21.23	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	13458	11.35	ug/l	90
54) cis-1,3-Dichloropropene	7.44	75	15602	11.79	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	6918	10.48	ug/l	90
56) Ethyl methacrylate	8.75	69	5833	7.30	ug/l	91
57) 1,3-Dichloropropane	8.99	76	12673	10.92	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.78	63	8209	129.45	ug/l	100
59) 2-Hexanone	9.62	43	19156	32.52	ug/l	99
60) Dibromochloromethane	8.85	129	11181	11.48	ug/l	97
61) 1,2-Dibromoethane	9.13	107	7541	9.73	ug/l	96
64) Tetrachloroethene	8.30	164	22906	32.54	ug/l	97
65) Chlorobenzene	9.93	112	44613	22.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	15749	21.05	ug/l	97
67) Ethyl Benzene	10.03	91	101271	29.75	ug/l	94
68) m/p-Xylenes	10.27	106	68730	57.78	ug/l	98
69) o-Xylene	10.82	106	30692	23.01	ug/l	82
70) Styrene	10.90	104	39692	19.40	ug/l	91
71) Bromoform	10.88	173	5999	11.49	ug/l	82
73) Isopropylbenzene	11.23	105	113548	33.37	ug/l	98
74) N-amyl acetate	11.46	43	9367	8.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	8943	12.03	ug/l	72
76) 1,2,3-Trichloropropane	11.88	75	7728	13.41	ug/l	94
77) Bromobenzene	11.59	156	18905	20.43	ug/l	98
78) n-propylbenzene	11.69	91	143603	34.19	ug/l	99
79) 2-Chlorotoluene	11.81	91	69672	28.21	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	95166	32.10	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	2000	7.58	ug/l	91
82) 4-Chlorotoluene	11.98	91	71582	26.70	ug/l	91
83) tert-Butylbenzene	12.21	119	96287	33.30	ug/l	84
84) 1,2,4-Trimethylbenzene	12.28	105	86490	27.44	ug/l	97
85) sec-Butylbenzene	12.39	105	146588	36.42	ug/l	99
86) p-Isopropyltoluene	12.54	119	107899	32.31	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	41464	24.23	ug/l	92
88) 1,4-Dichlorobenzene	12.65	146	38544	22.67	ug/l	95
89) n-Butylbenzene	12.91	91	97392	30.02	ug/l	91
90) Hexachloroethane	12.99	117	23259	30.99	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	32314	19.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	1511	9.95	ug/l	80

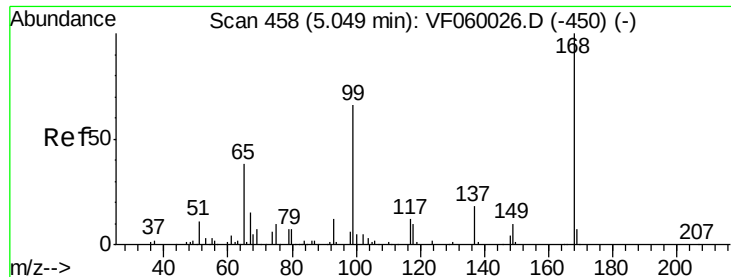
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
Data File : VF060160.D
Acq On : 28 Aug 2018 19:58
Operator : VA/AP
Sample : VF0828SBS01
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Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

Quant Time: Aug 29 01:18:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	15966	13.18	µg/l	94
94) Hexachlorobutadiene	14.25	225	25005	33.15	µg/l	89
95) Naphthalene	14.52	128	11526	7.52	µg/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	9762	8.44	µg/l	90

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

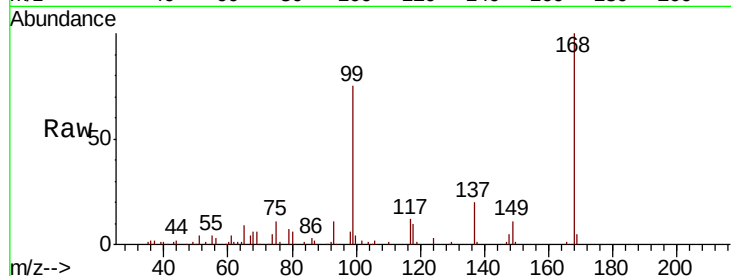
VF0828SBS02

Tot Ion:168 Resp: 95749

Ion Ratio Lower Upper

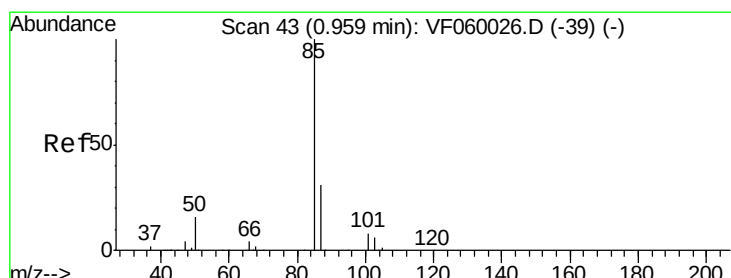
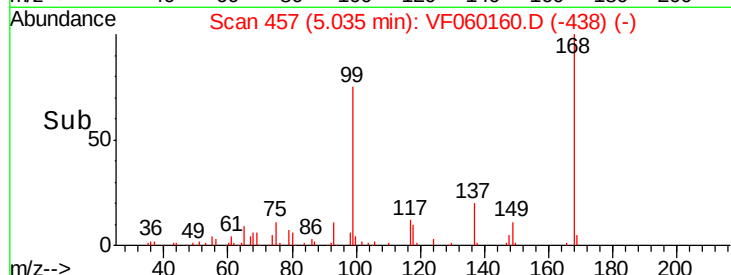
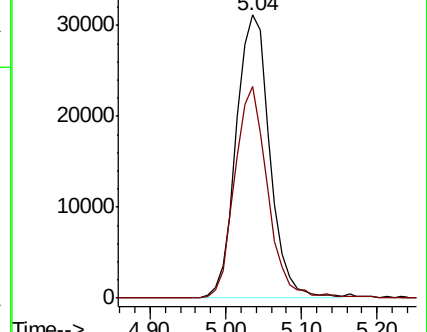
168 100

99 74.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 27.11 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF060160.D

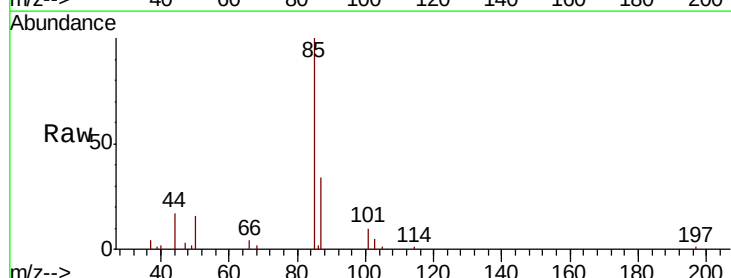
Acq: 28 Aug 2018 19:58

Tgt Ion: 85 Resp: 34172

Ion Ratio Lower Upper

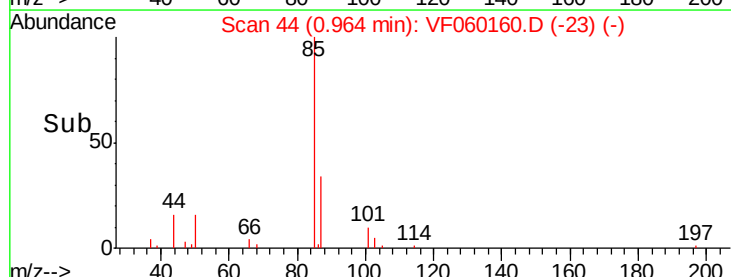
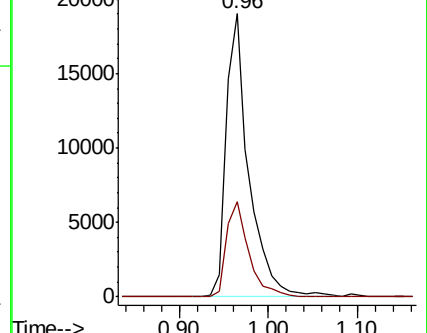
85 100

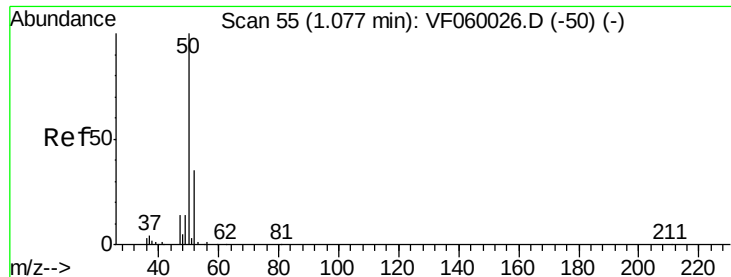
87 33.8 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 16.99 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

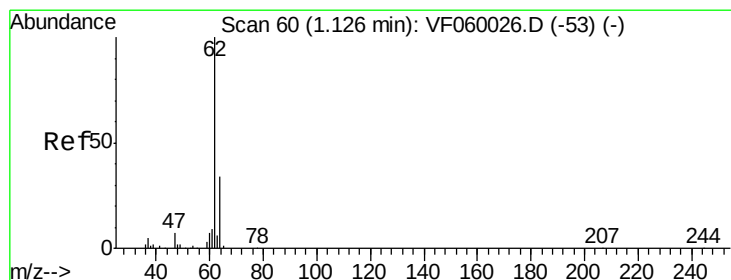
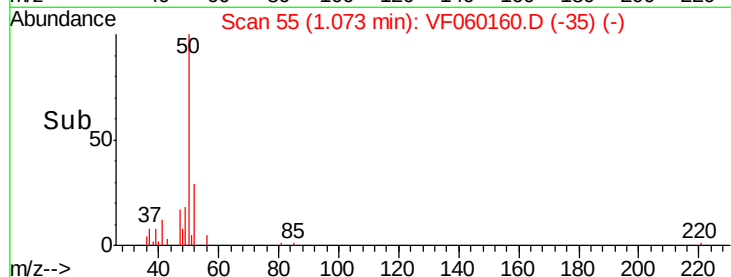
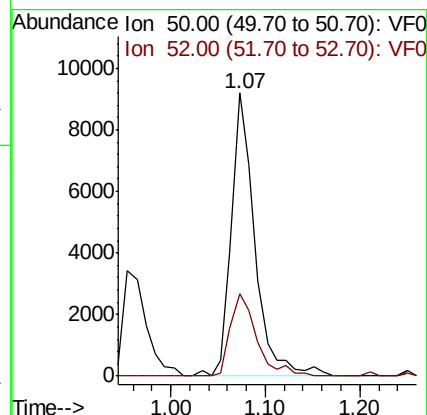
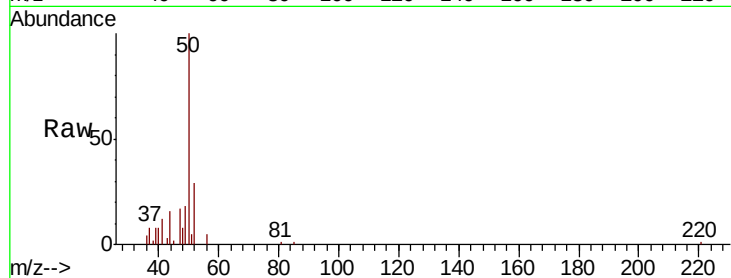
VF0828SBS02

Tot Ion: 50 Resp: 15903

Ion Ratio Lower Upper

50 100

52 28.9 27.6 41.4



#4

Vinyl Chloride

Concen: 18.35 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060160.D

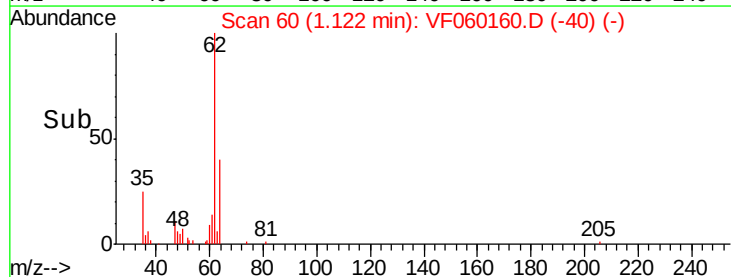
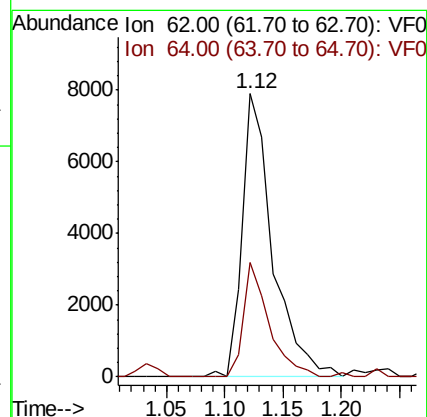
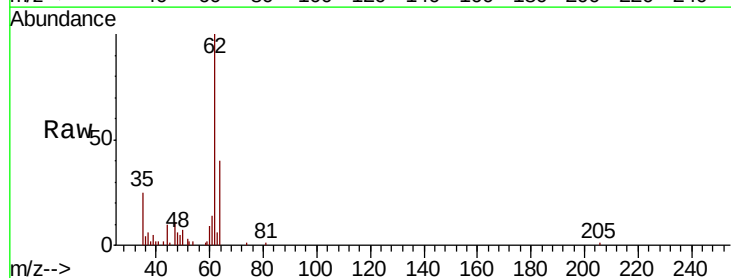
Acq: 28 Aug 2018 19:58

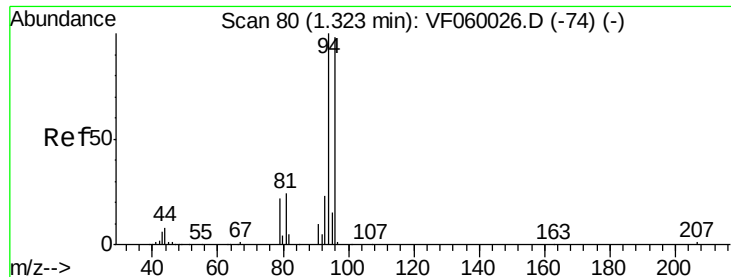
Tgt Ion: 62 Resp: 14360

Ion Ratio Lower Upper

62 100

64 40.5 27.4 41.2





#5

Bromomethane

Concen: 12.78 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

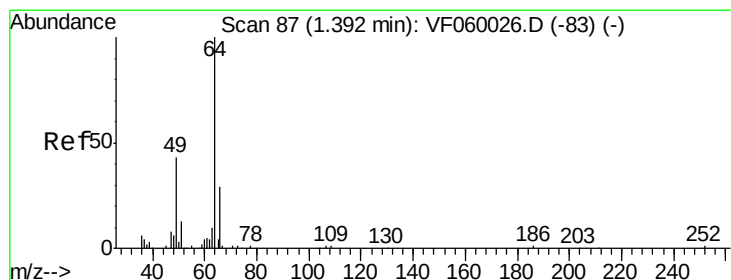
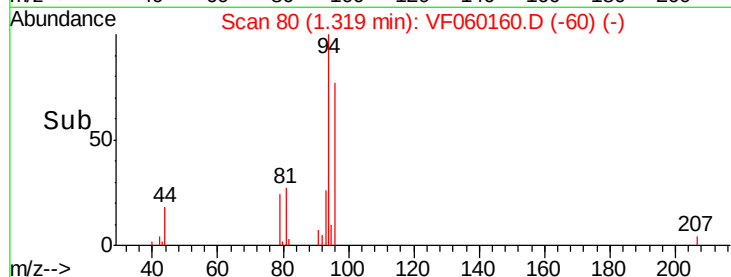
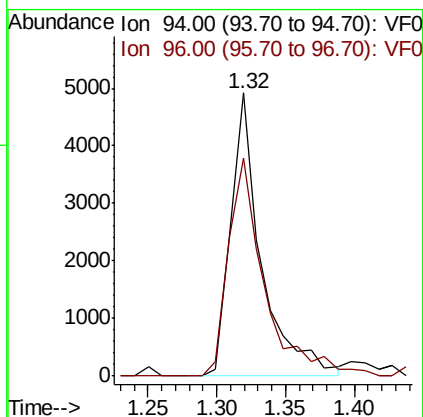
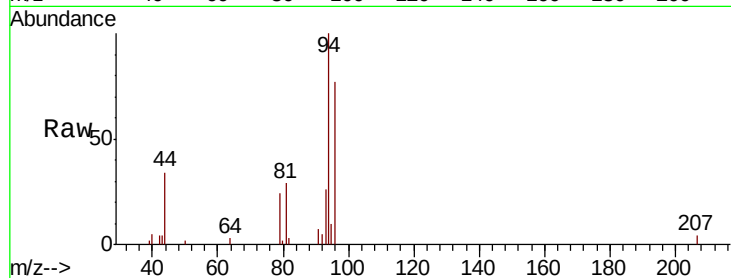
VF0828SBS02

Tot Ion: 94 Resp: 7598

Ion Ratio Lower Upper

94 100

96 77.2 78.6 118.0#



#6

Chloroethane

Concen: 30.43 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060160.D

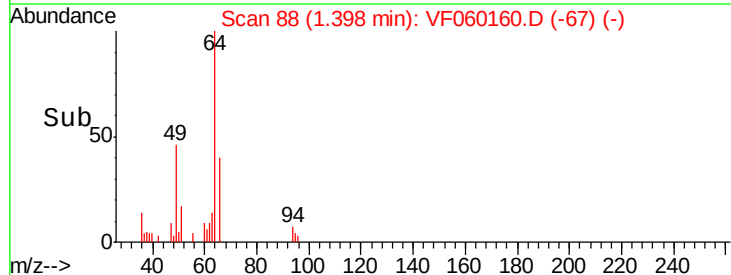
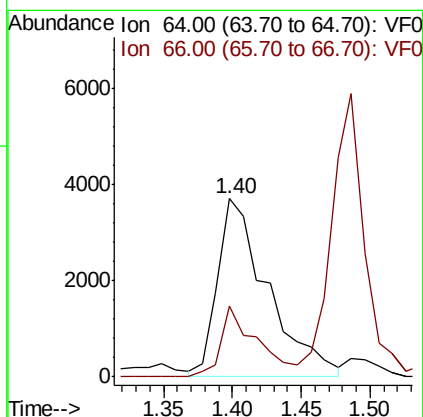
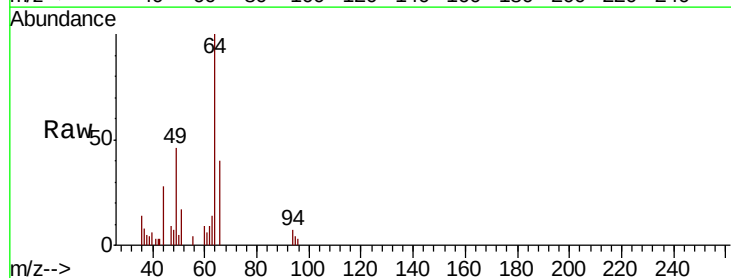
Acq: 28 Aug 2018 19:58

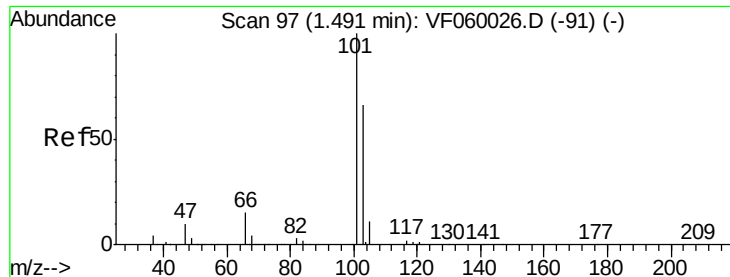
Tgt Ion: 64 Resp: 9388

Ion Ratio Lower Upper

64 100

66 39.9 24.1 36.1#





#7

Trichlorofluoromethane

Concen: 42.61 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

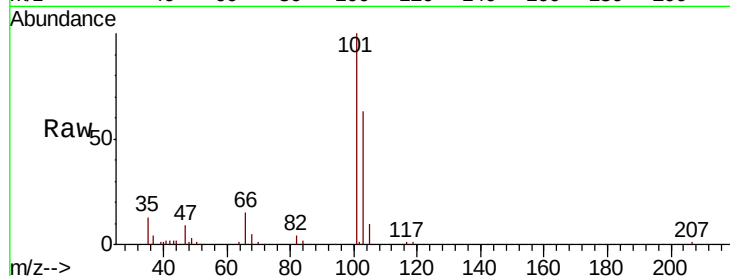
VF0828SBS02

Tot Ion:101 Resp: 67067

Ion Ratio Lower Upper

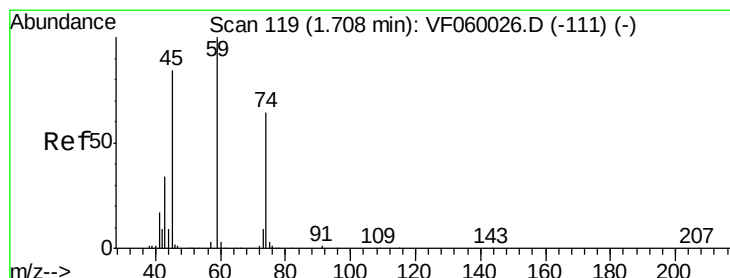
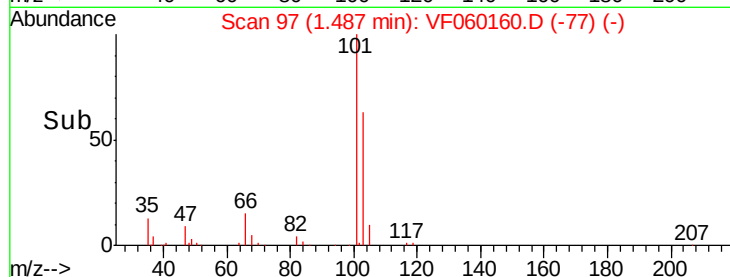
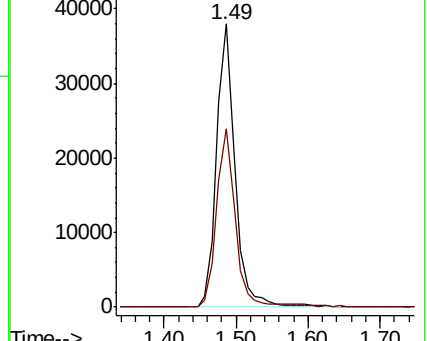
101 100

103 63.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 11.20 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060160.D

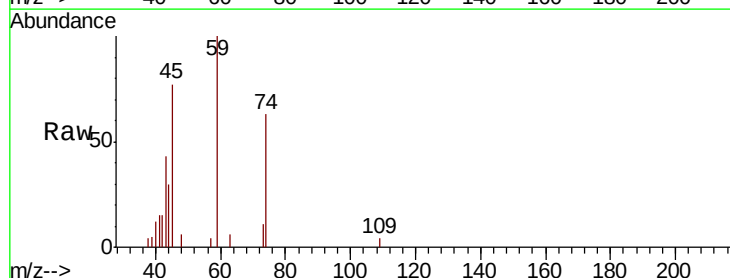
Acq: 28 Aug 2018 19:58

Tgt Ion: 74 Resp: 3152

Ion Ratio Lower Upper

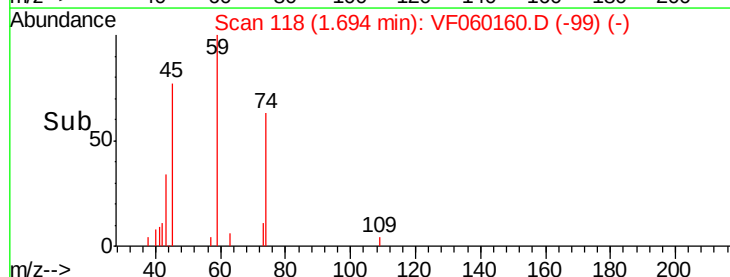
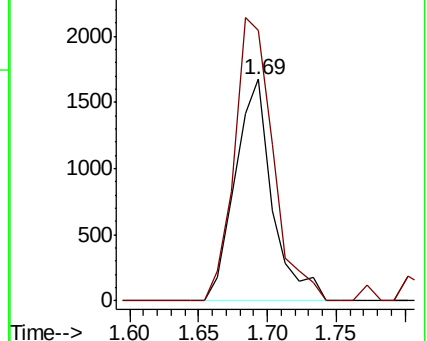
74 100

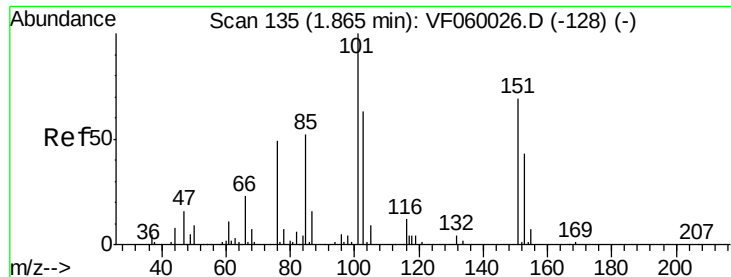
45 122.1 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.92 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

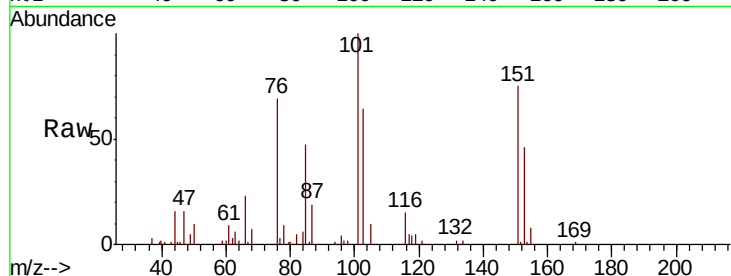
Tot Ion:101 Resp: 28852

Ion Ratio Lower Upper

101 100

85 47.4 41.5 62.3

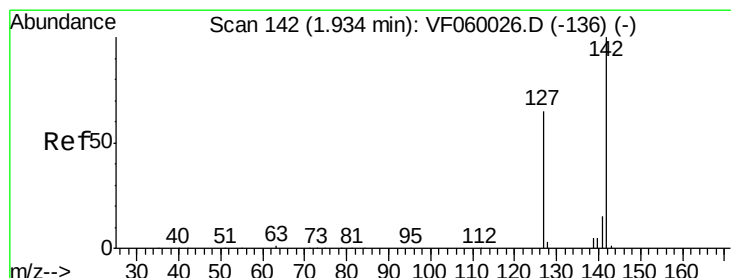
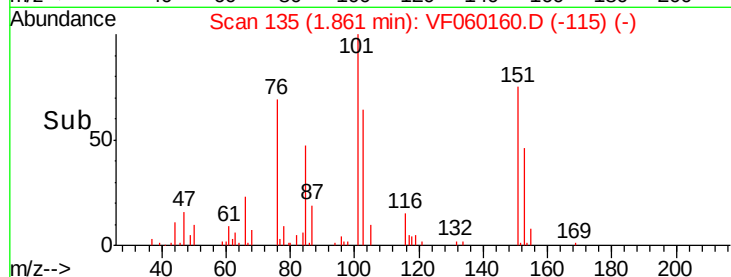
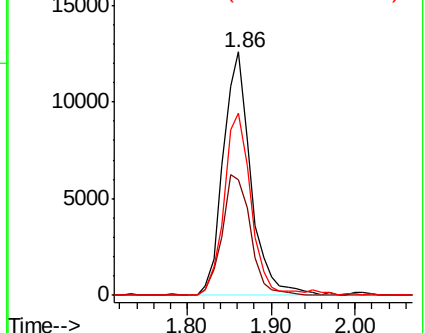
151 74.9 55.2 82.8



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: 14.78 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

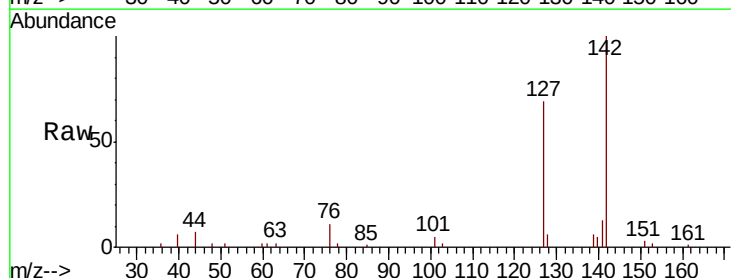
Tgt Ion:142 Resp: 16139

Ion Ratio Lower Upper

142 100

127 69.0 51.8 77.6

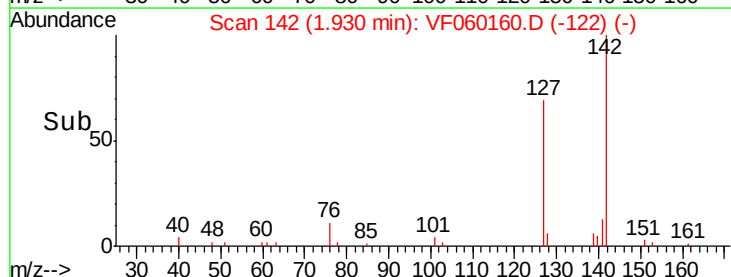
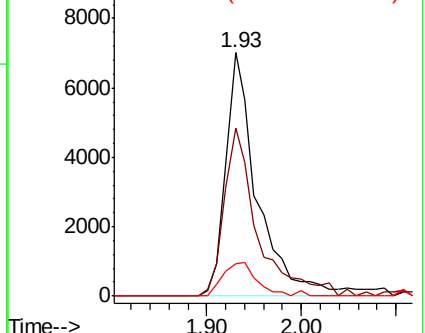
141 13.1 11.9 17.9

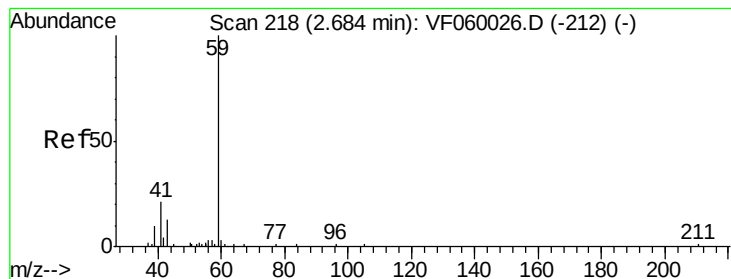


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 21.11 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.05 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

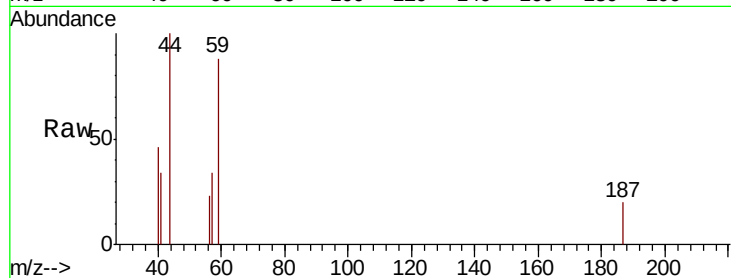
VF0828SBS02

Tot Ion: 59 Resp: 1472

Ion Ratio Lower Upper

59 100

57 38.6 5.4 8.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1500

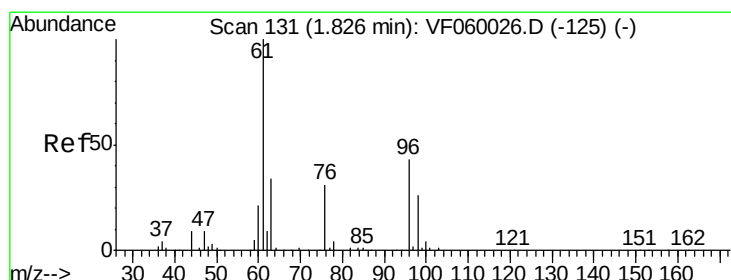
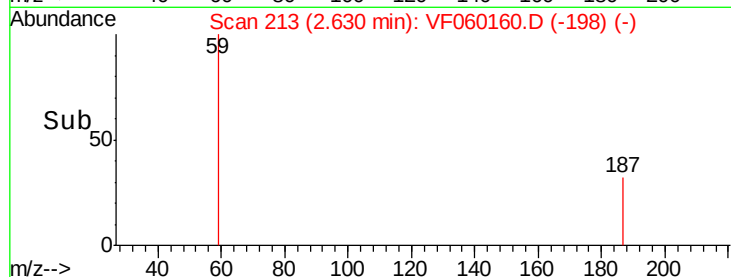
1000

500

0

2.55 2.60 2.65 2.70

Time-->



#12

1,1-Dichloroethene

Concen: 30.68 ug/l

RT: 1.82 min Scan# 131

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

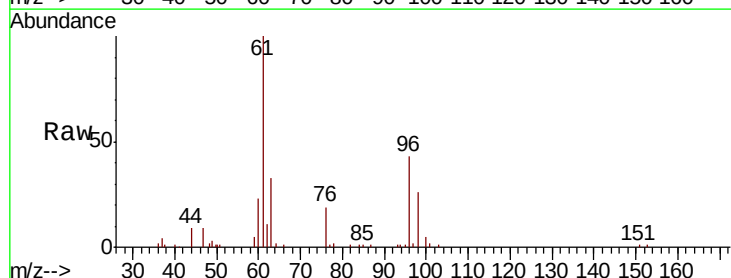
Tgt Ion: 96 Resp: 18673

Ion Ratio Lower Upper

96 100

61 234.6 185.0 277.6

98 62.1 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

30000

25000

20000

15000

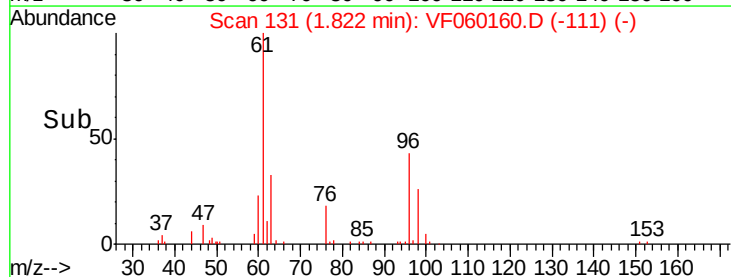
10000

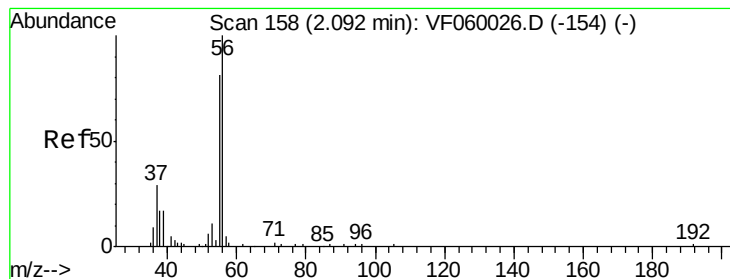
5000

0

1.70 1.80 1.90

Time-->





#13

Acrolein

Concen: 42.96 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

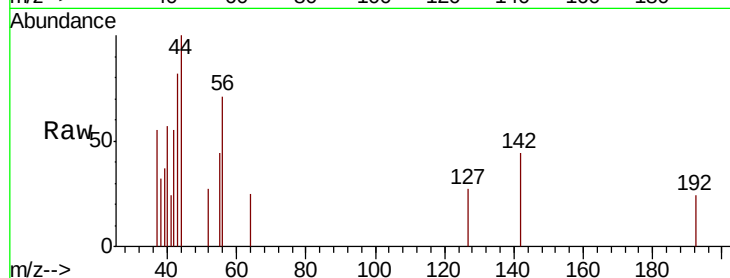
VF0828SBS02

Tot Ion: 56 Resp: 792

Ion Ratio Lower Upper

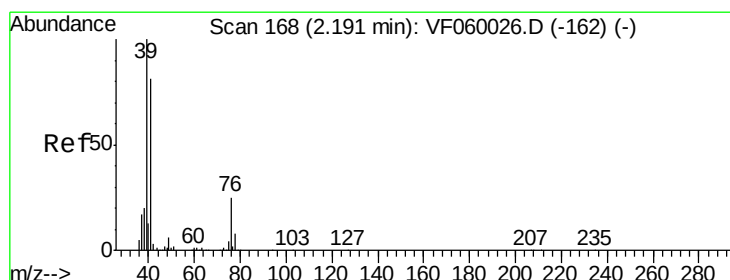
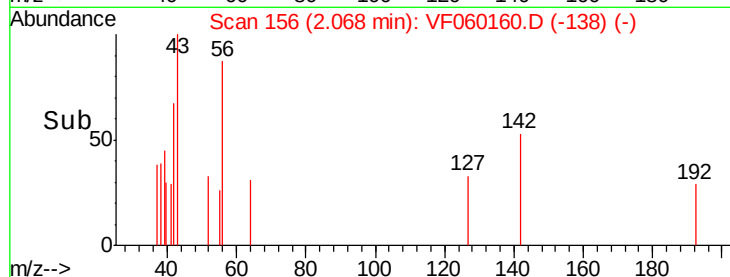
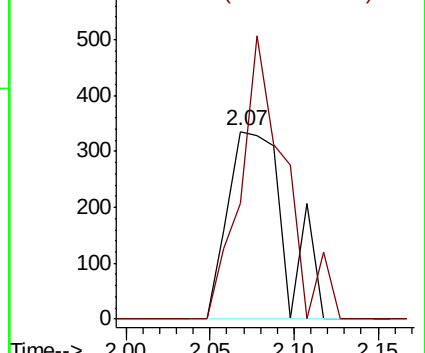
56 100

55 61.9 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 15.19 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

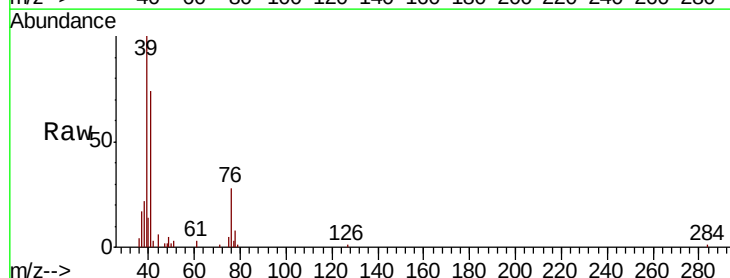
Tgt Ion: 41 Resp: 16423

Ion Ratio Lower Upper

41 100

39 135.5 99.3 148.9

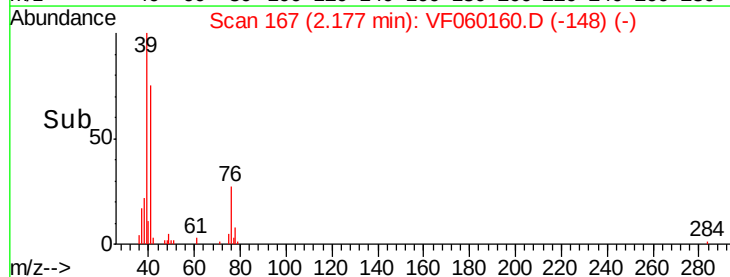
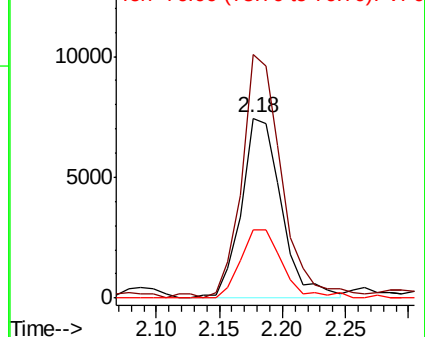
76 37.9 24.3 36.5#

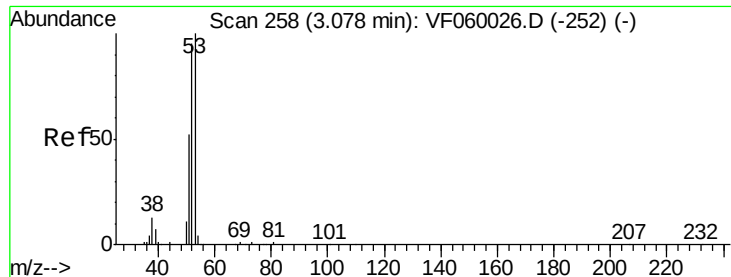


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 31.18 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

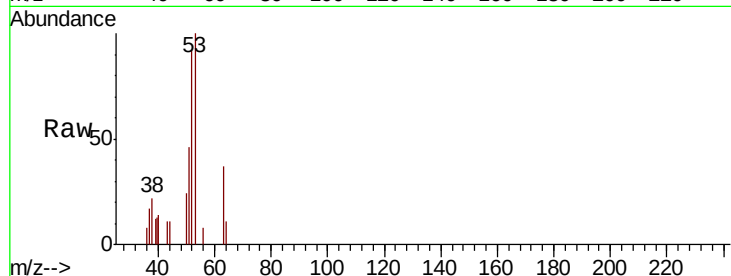
Tot Ion: 53 Resp: 4290

Ion Ratio Lower Upper

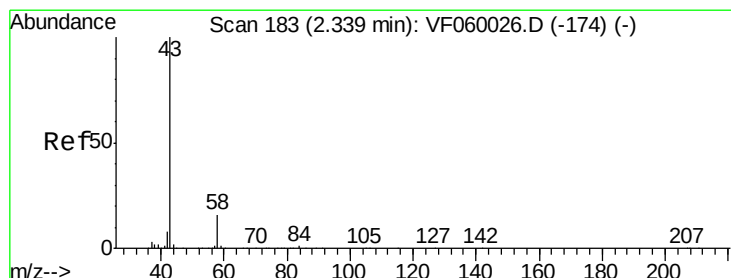
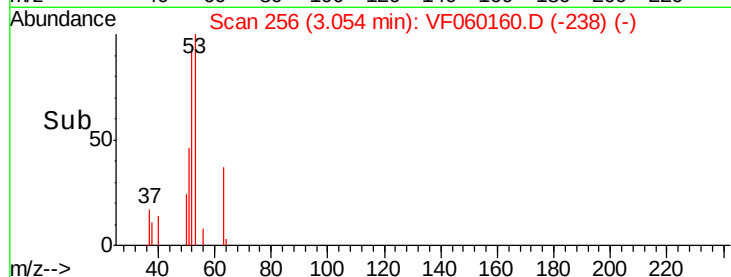
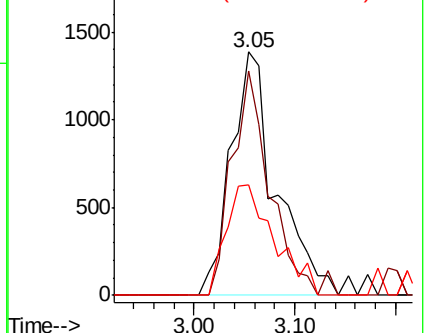
53 100

52 92.1 75.8 113.8

51 45.6 42.1 63.1



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 30.25 ug/l

RT: 2.31 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060160.D

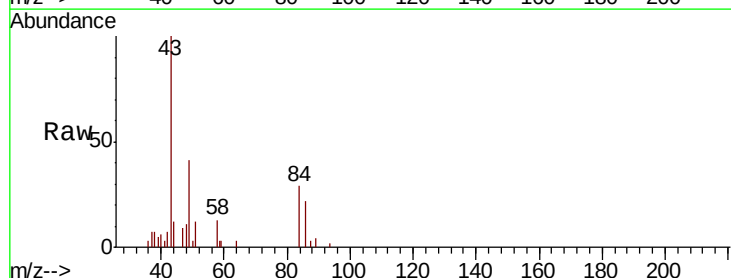
Acq: 28 Aug 2018 19:58

Tgt Ion: 43 Resp: 10417

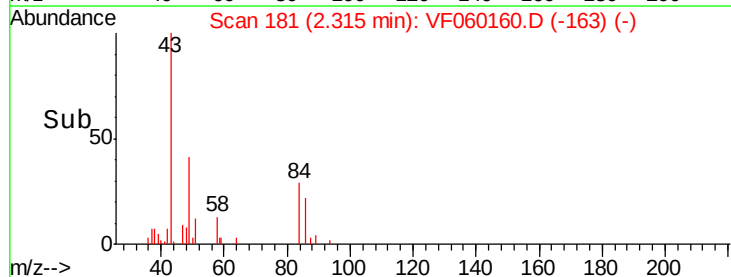
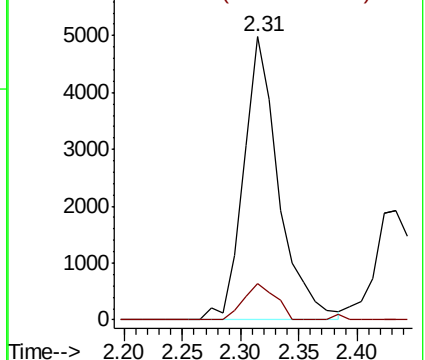
Ion Ratio Lower Upper

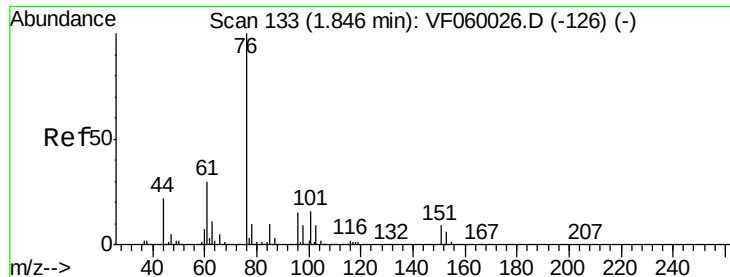
43 100

58 12.7 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 28.56 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

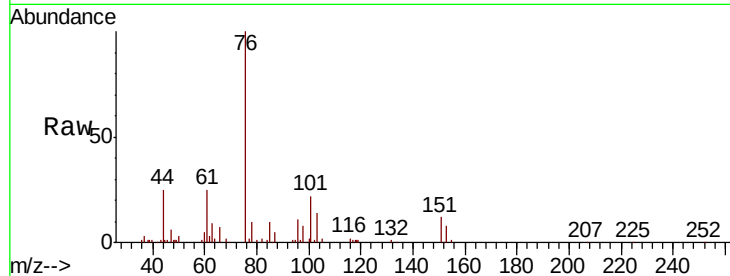
VF0828SBS02

Tot Ion: 76 Resp: 54435

Ion Ratio Lower Upper

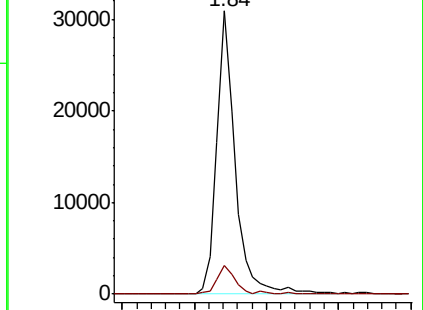
76 100

78 9.9 8.4 12.6

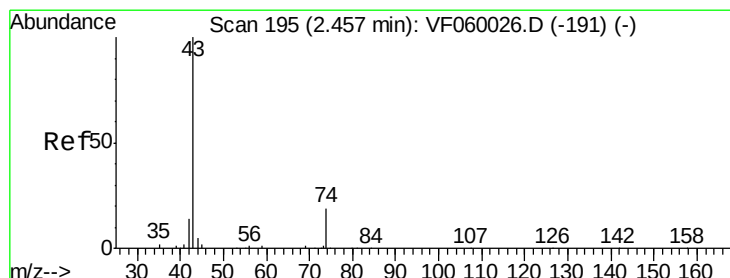
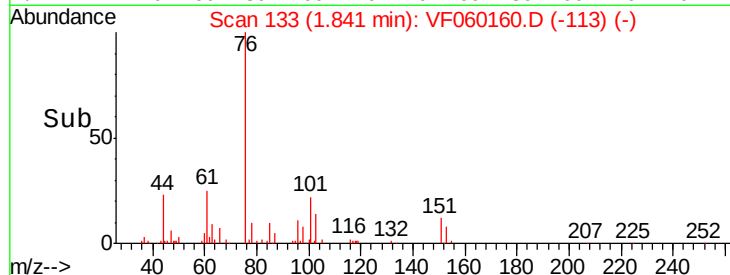


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->



#18

Methyl Acetate

Concen: 3.97 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.02 min

Lab File: VF060160.D

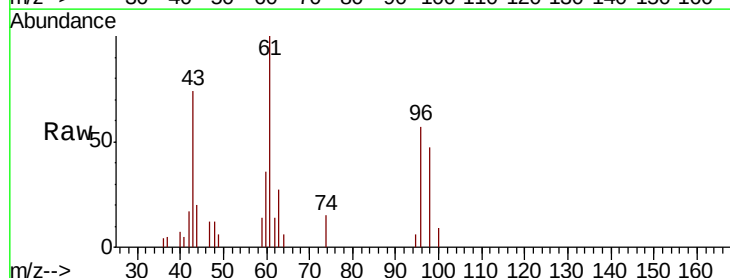
Acq: 28 Aug 2018 19:58

Tgt Ion: 43 Resp: 4563

Ion Ratio Lower Upper

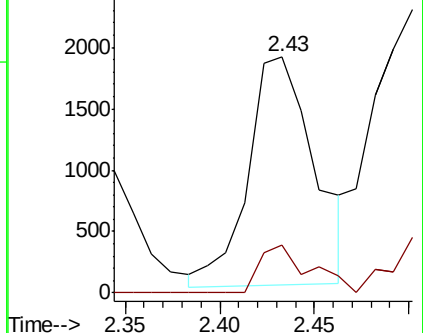
43 100

74 20.3 13.8 20.6

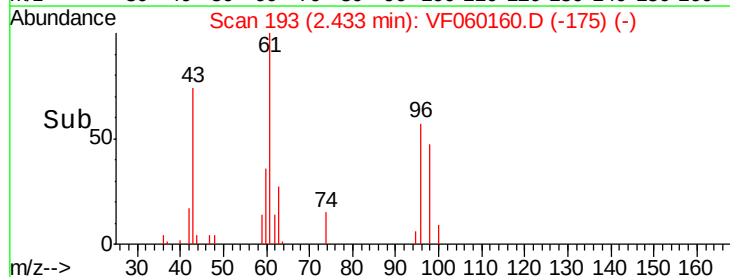


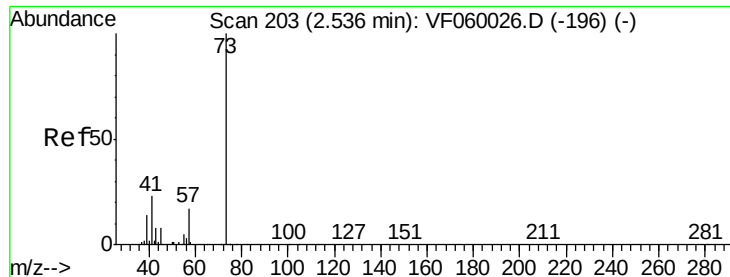
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



Time-->



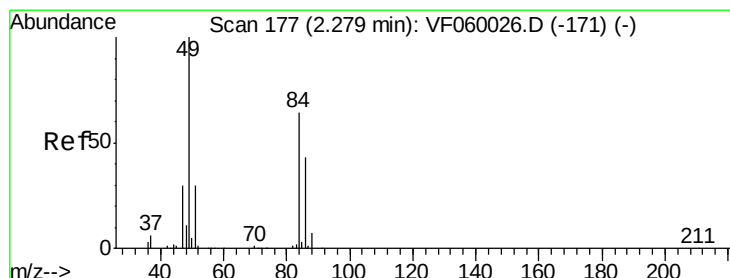
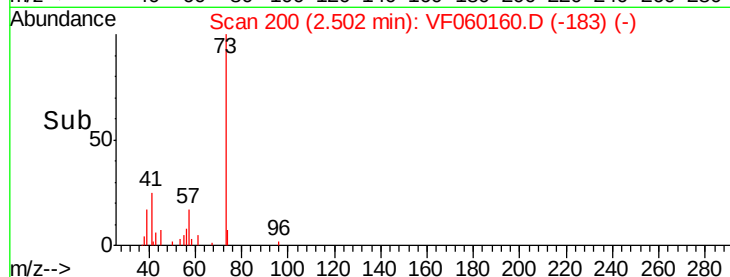
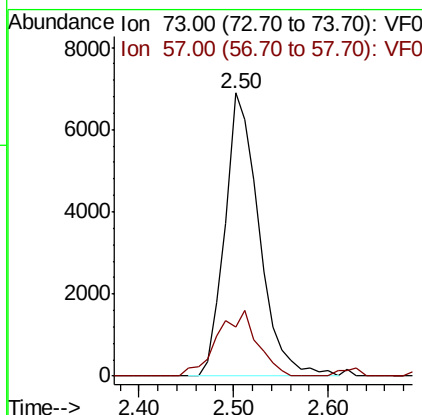
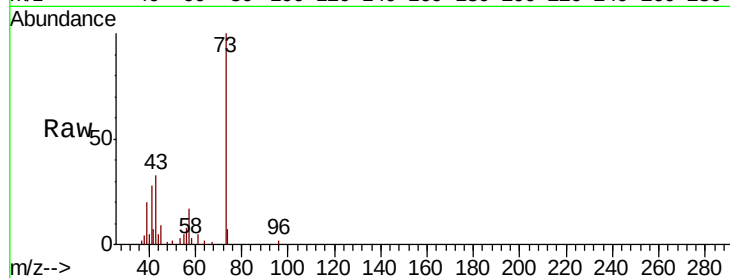


#19

Methvl tert-butyl Ether
 Concen: 8.85 ug/l
 RT: 2.50 min Scan# 200
 Delta R.T. -0.03 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

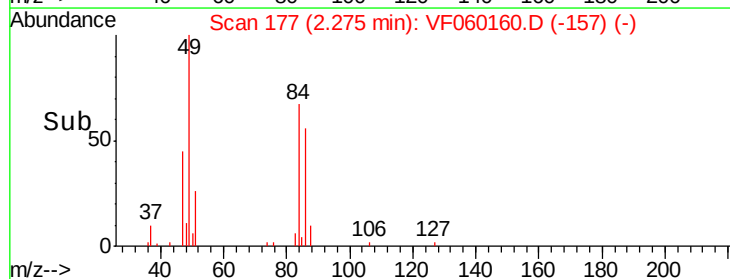
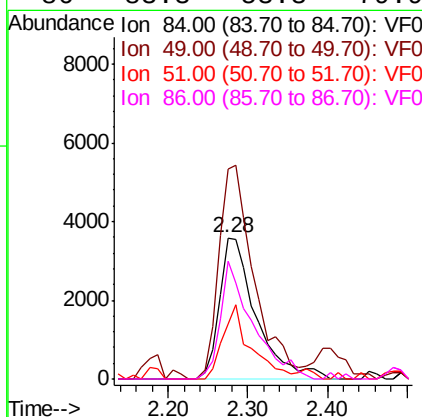
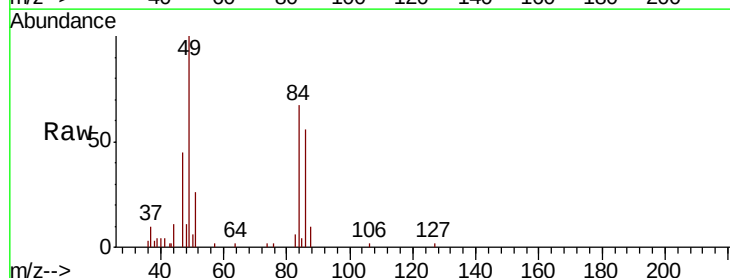
Tot Ion: 73 Resp: 17265
 Ion Ratio Lower Upper
 73 100
 57 17.3 13.7 20.5

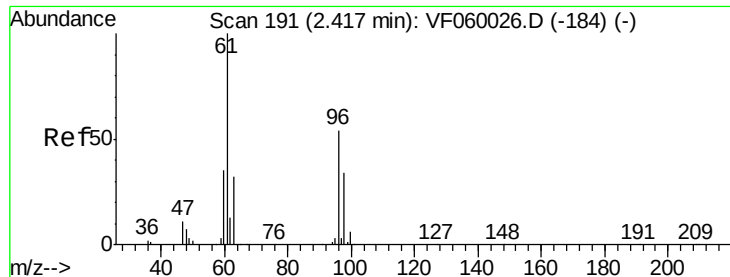


#20

Methylene Chloride
 Concen: 13.17 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion: 84 Resp: 11495
 Ion Ratio Lower Upper
 84 100
 49 148.7 125.4 188.0
 51 39.4 38.3 57.5
 86 83.3 53.3 79.9#





#21

trans-1,2-Dichloroethene

Concen: 24.51 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

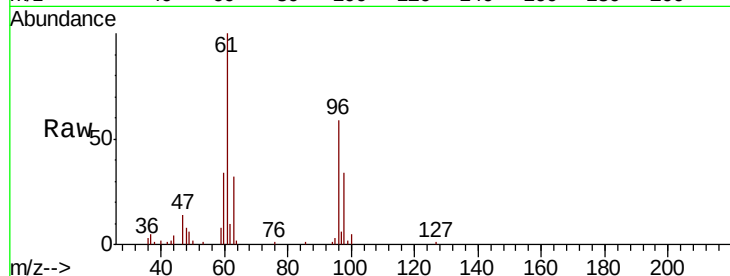
Tot Ion: 96 Resp: 16691

Ion Ratio Lower Upper

96 100

61 168.6 147.4 221.0

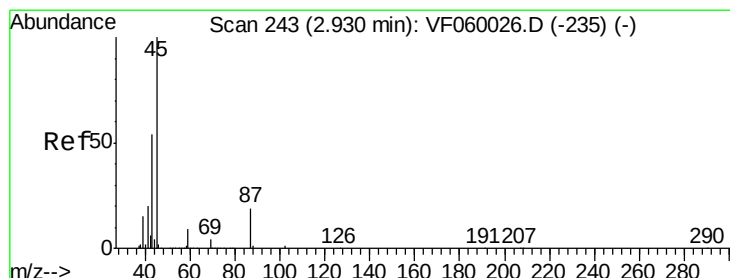
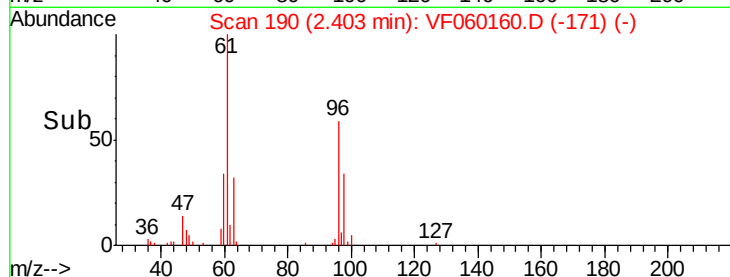
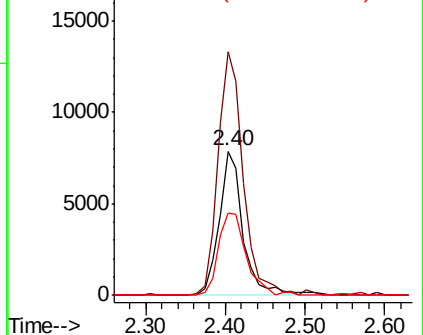
98 56.8 49.8 74.6



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



#22

Diisopropyl ether

Concen: 12.71 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.03 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Tgt Ion: 45 Resp: 30763

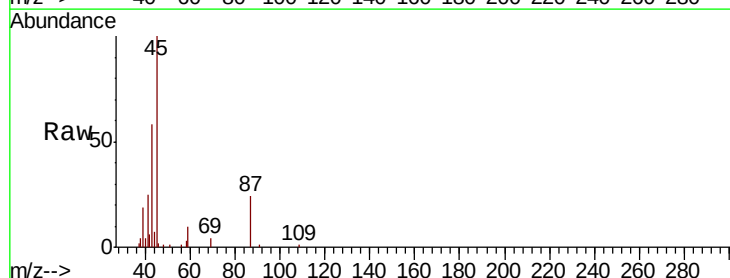
Ion Ratio Lower Upper

45 100

43 58.5 43.4 65.2

87 23.5 15.4 23.2#

59 10.0 7.5 11.3

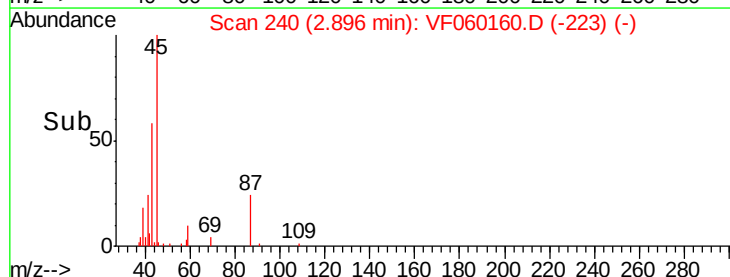
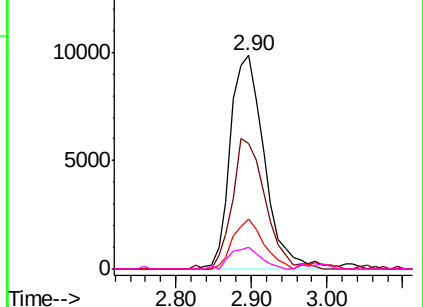


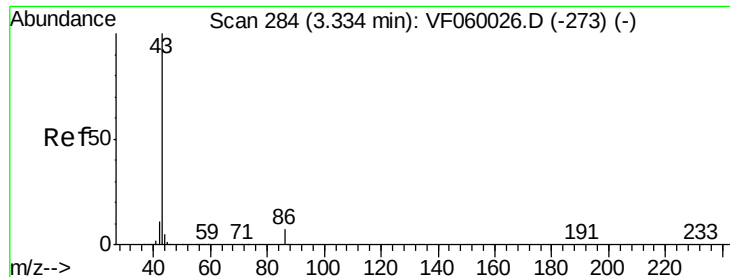
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

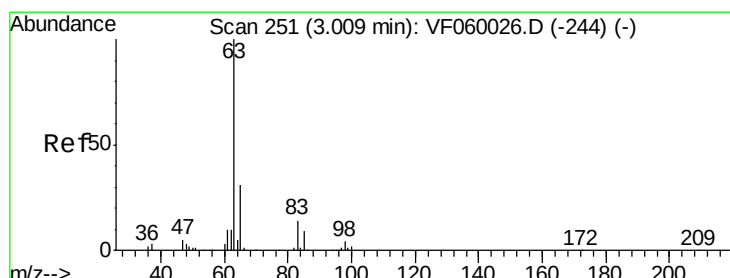
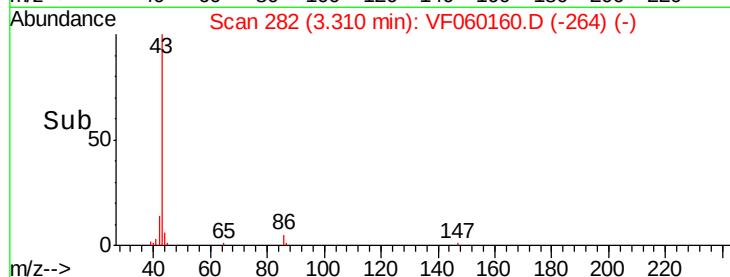
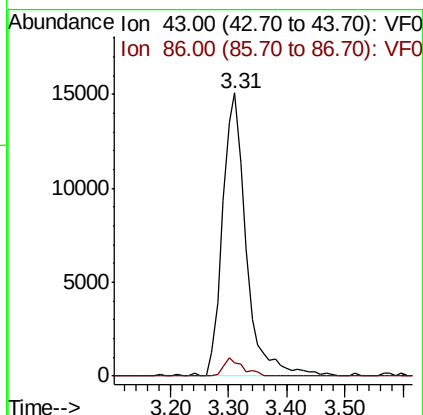
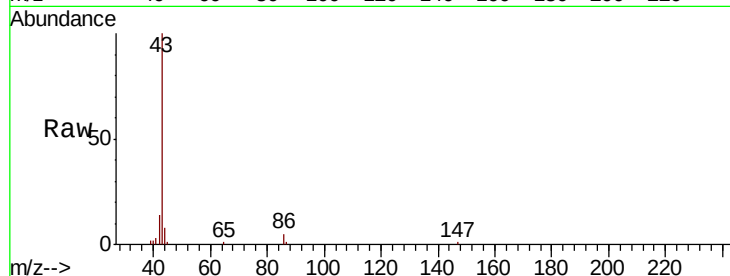




#23
 Vinyl Acetate
 Concen: 33.03 ug/l
 RT: 3.31 min Scan# 282
 Delta R.T. -0.02 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

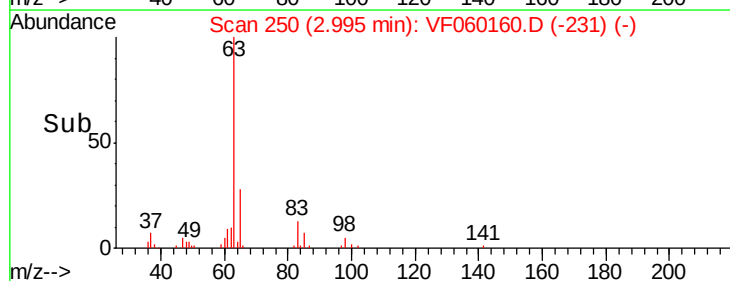
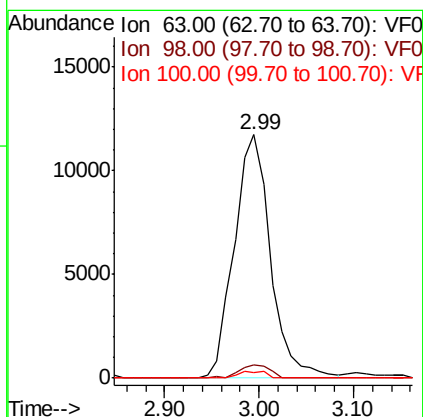
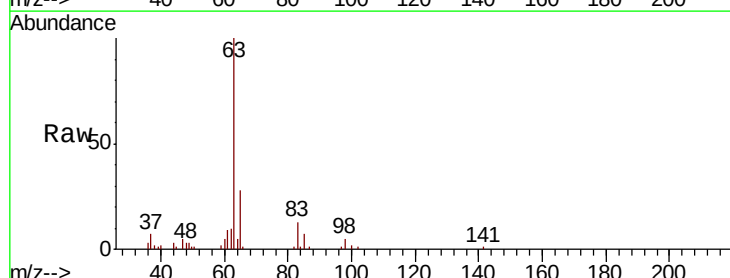
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

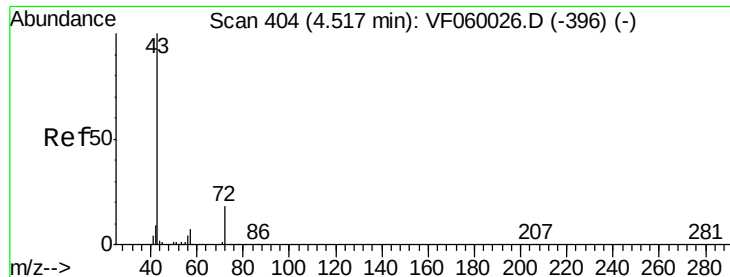
Tot Ion: 43 Resp: 42362
 Ion Ratio Lower Upper
 43 100
 86 4.7 5.6 8.4#



#24
 1,1-Dichloroethane
 Concen: 20.92 ug/l
 RT: 2.99 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion: 63 Resp: 31277
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.1 6.5
 100 2.4 1.1 3.3





#25

2-Butanone

Concen: 22.58 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.04 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

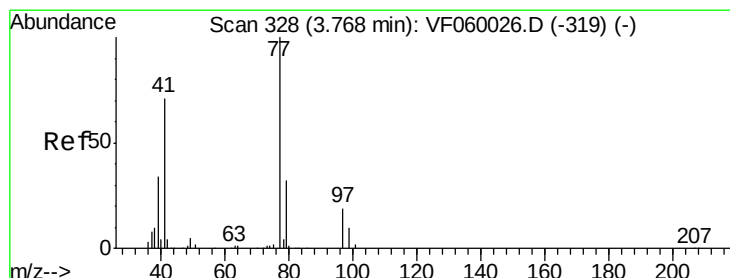
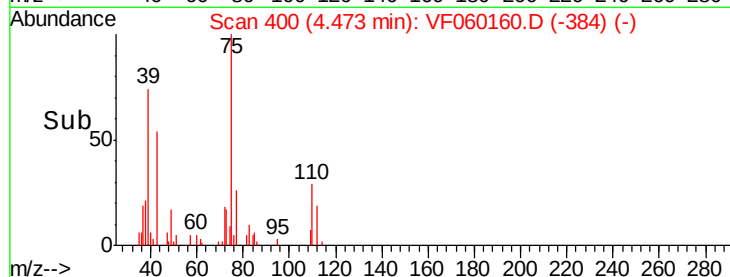
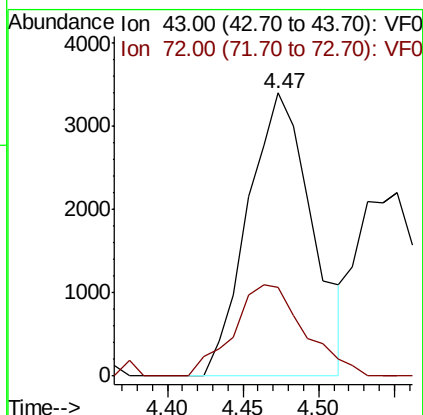
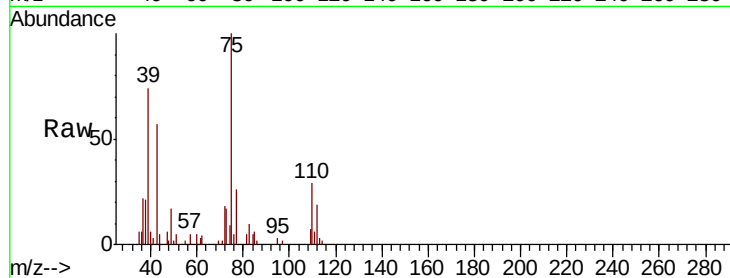
VF0828SBS02

Tot Ion: 43 Resp: 10103

Ion Ratio Lower Upper

43 100

72 31.3 15.0 22.6#



#26

2,2-Dichloropropane

Concen: 12.77 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060160.D

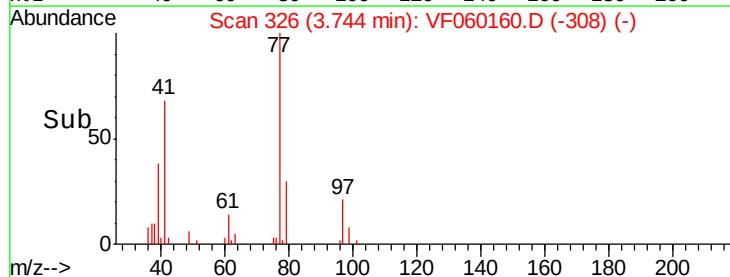
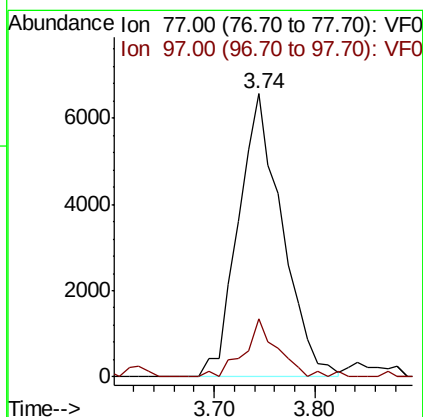
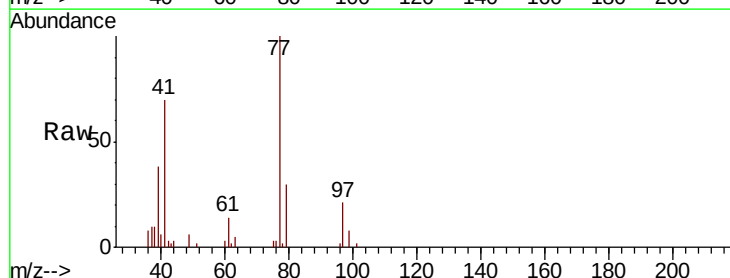
Acq: 28 Aug 2018 19:58

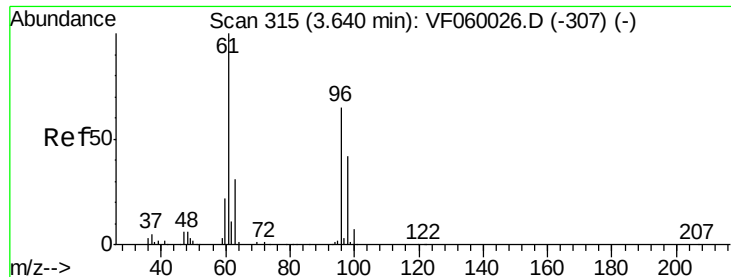
Tgt Ion: 77 Resp: 19757

Ion Ratio Lower Upper

77 100

97 20.6 9.7 29.1



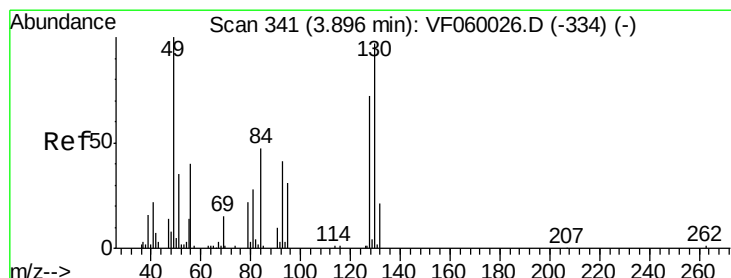
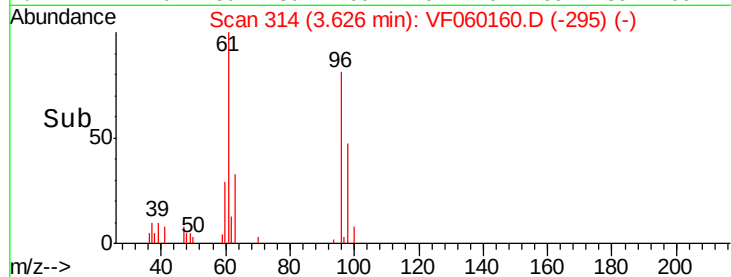
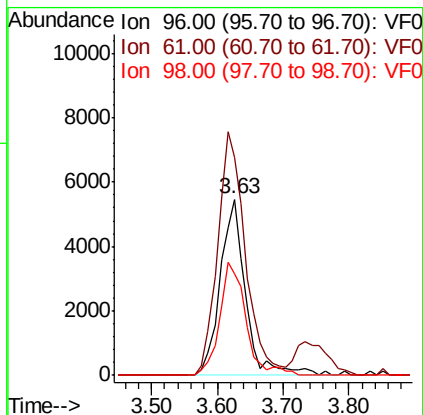
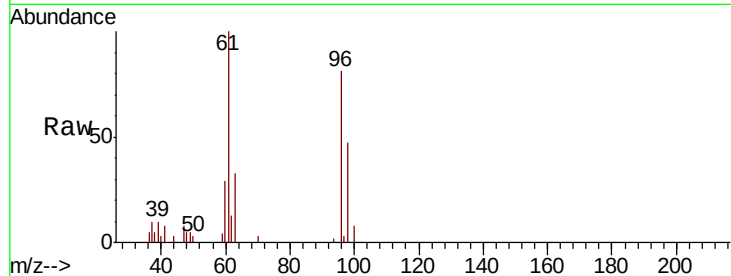


#27

cis-1,2-Dichloroethene
Concen: 15.17 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

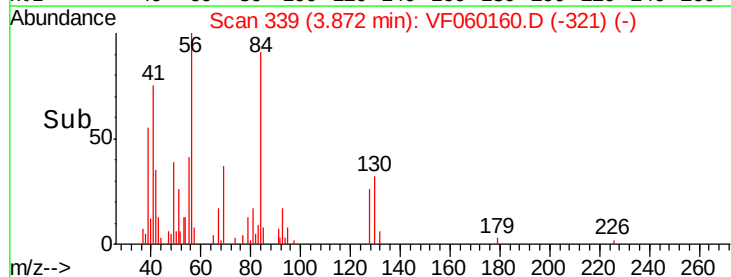
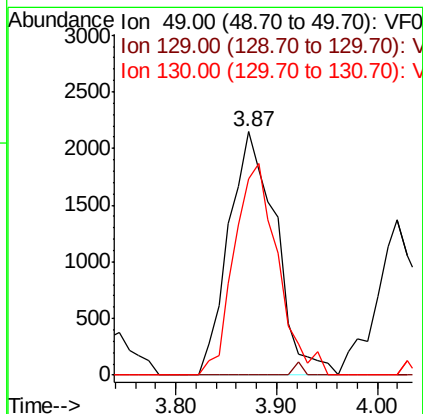
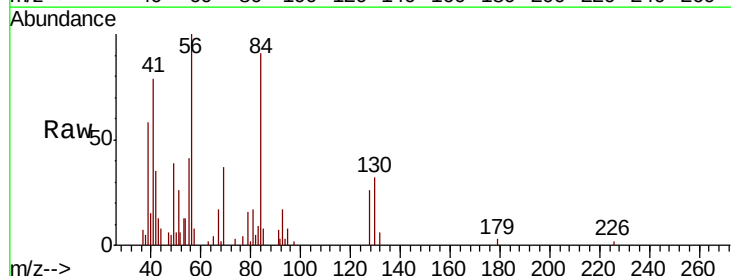
Tot Ion	96	Resp	14641
Ion	Ratio	Lower	Upper
96	100		
61	123.6	0.0	307.6
98	57.6	0.0	128.4

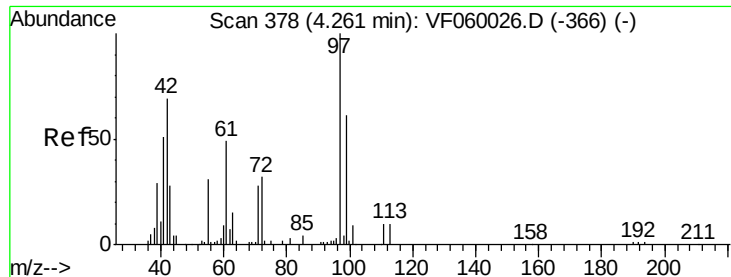


#28

Bromochloromethane
Concen: 11.06 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion	49	Resp	6983
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	80.7	78.0	117.0

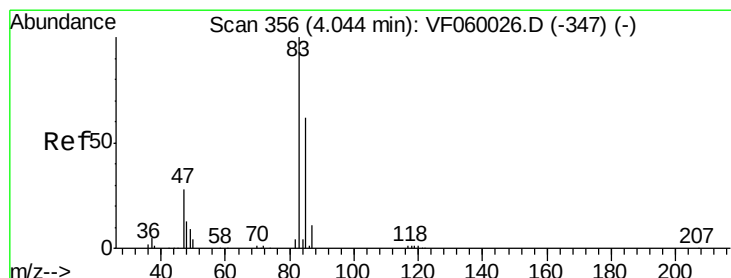
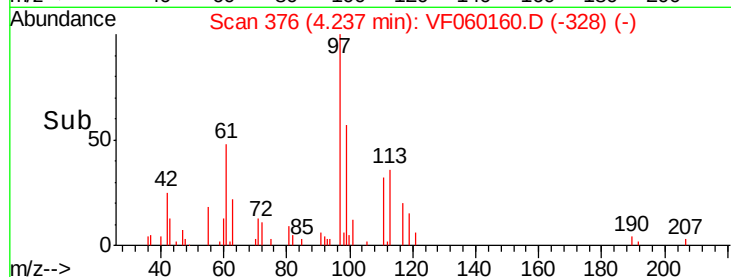
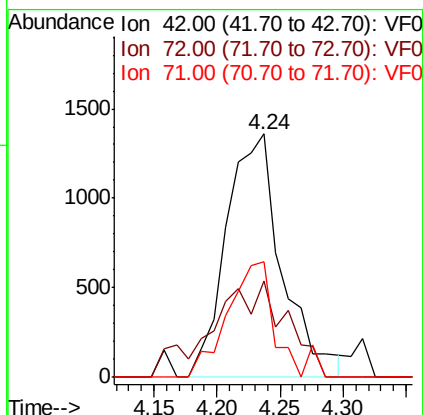
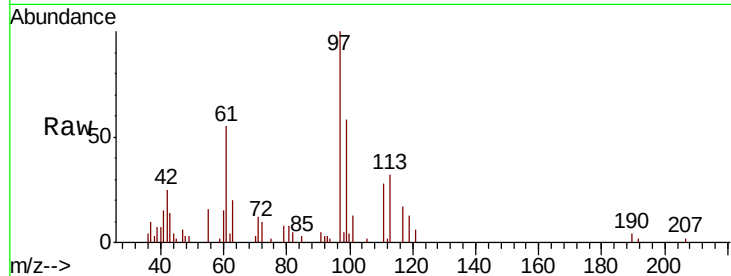




#29
Tetrahydrofuran
Concen: 24.65 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

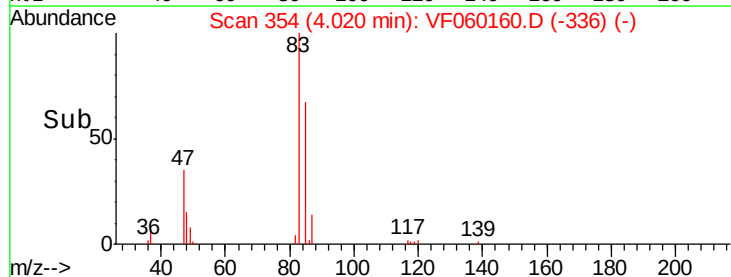
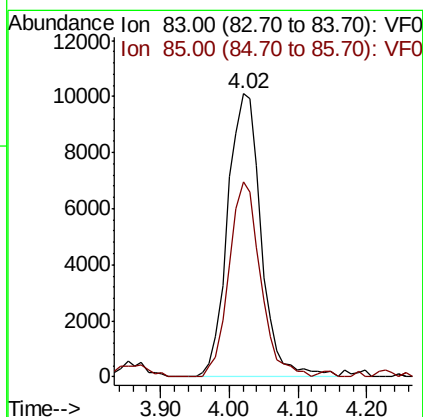
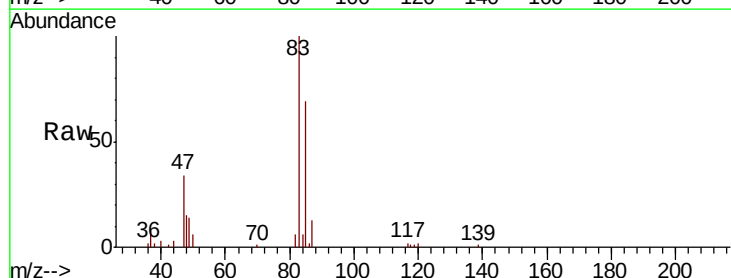
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

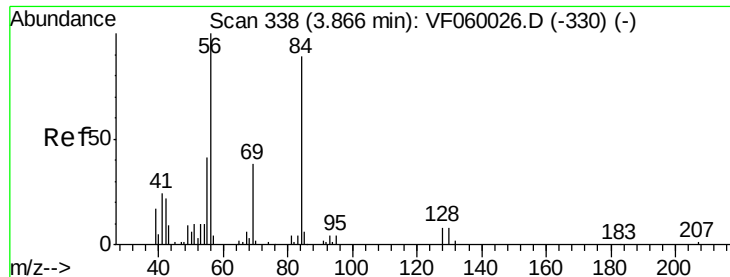
Tot Ion: 42 Resp: 4164
Ion Ratio Lower Upper
42 100
72 53.1 31.4 47.2#
71 41.2 29.7 44.5



#30
Chloroform
Concen: 16.21 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion: 83 Resp: 34028
Ion Ratio Lower Upper
83 100
85 69.1 49.5 74.3

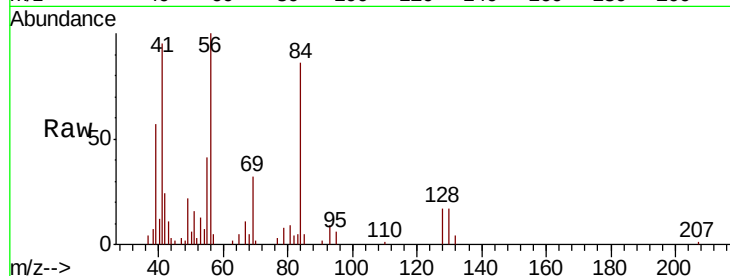




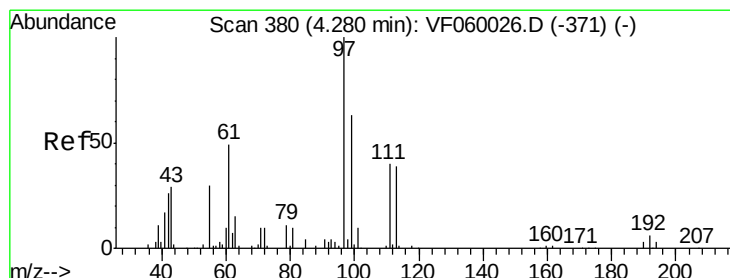
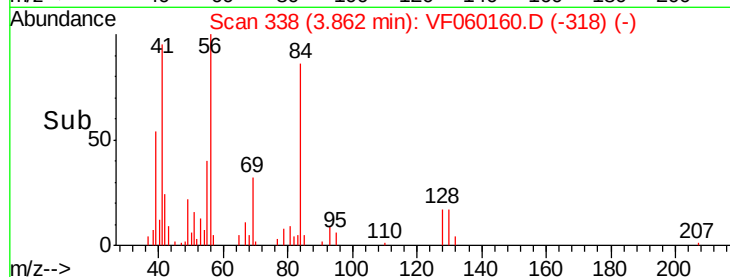
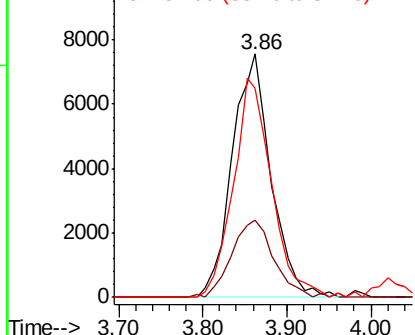
#31
Cyclohexane
Concen: 21.33 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

Tot Ion: 56 Resp: 24302
Ion Ratio Lower Upper
56 100
69 31.6 30.4 45.6
84 85.8 71.4 107.2

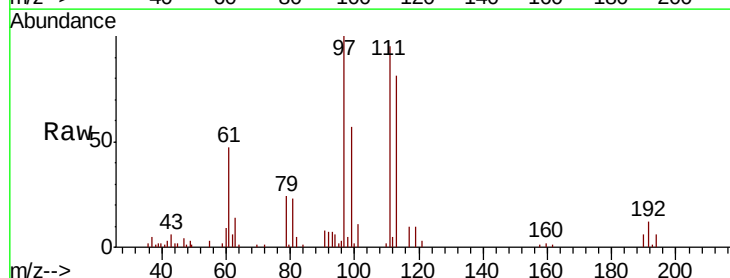


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

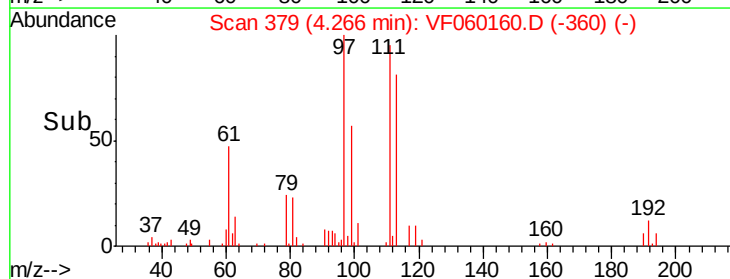
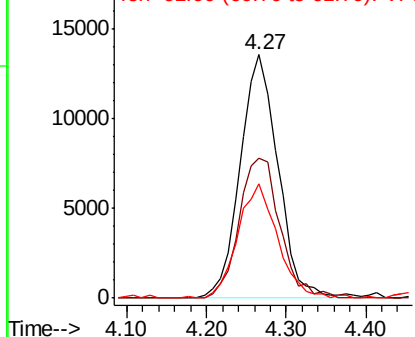


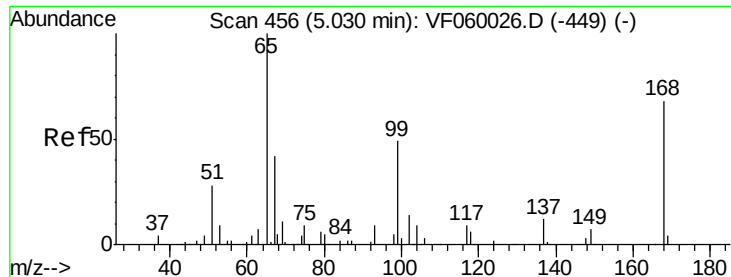
#32
1,1,1-Trichloroethane
Concen: 24.69 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion: 97 Resp: 44378
Ion Ratio Lower Upper
97 100
99 57.5 50.3 75.5
61 46.8 40.3 60.5



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

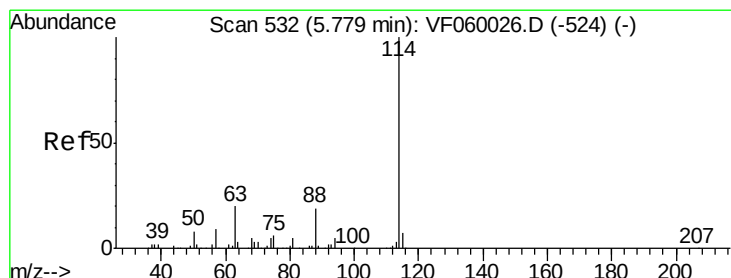
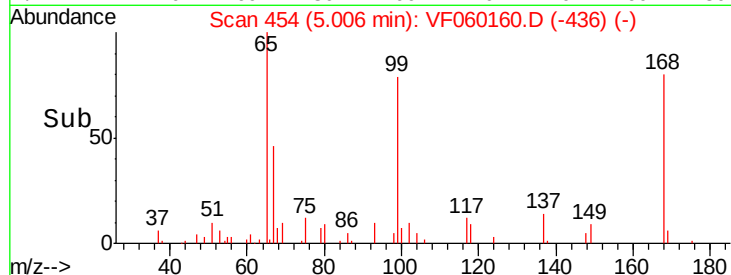
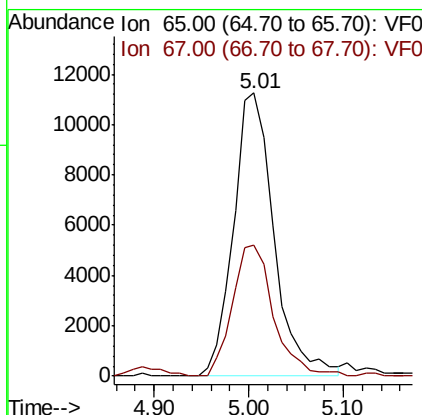
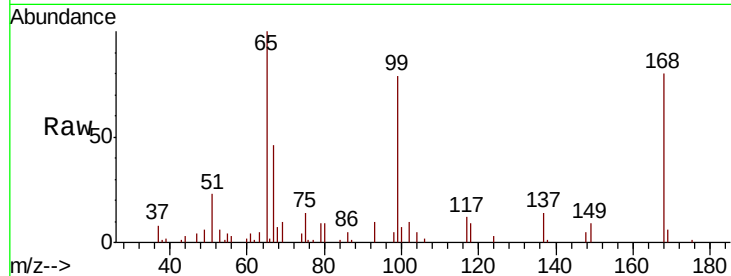




#33
 1,2-Dichloroethane-d4
 Concen: 25.58 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

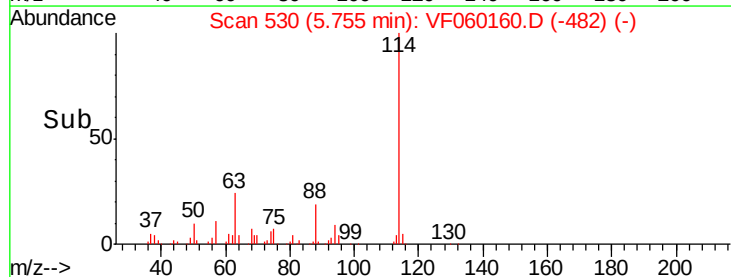
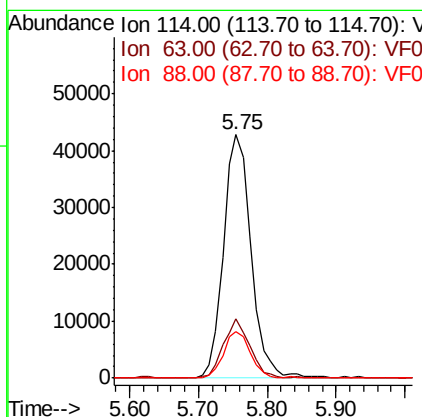
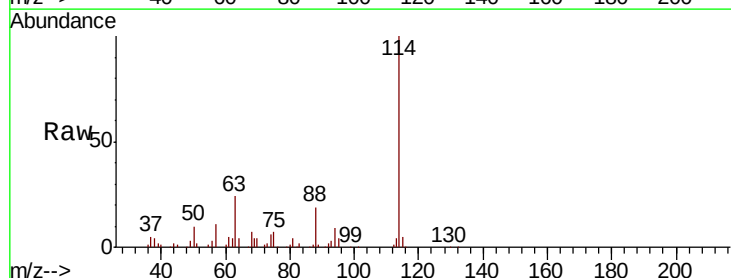
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

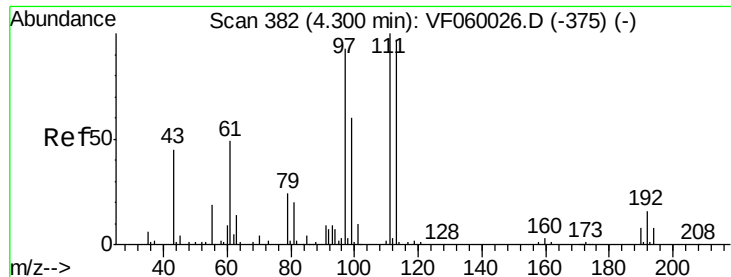
Tot Ion: 65 Resp: 33517
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion: 114 Resp: 119154
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 40.4
 88 18.9 0.0 38.6





#35

Dibromofluoromethane

Concen: 41.62 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

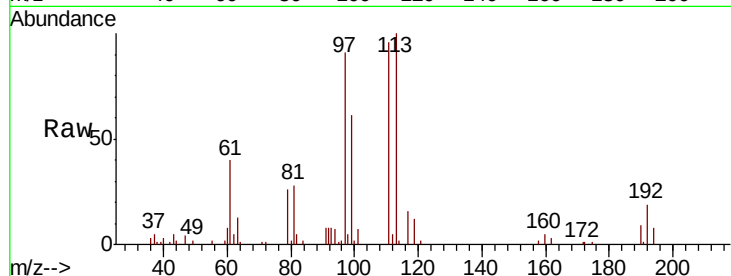
Tot Ion:113 Resp: 38941

Ion Ratio Lower Upper

113 100

111 95.9 82.7 124.1

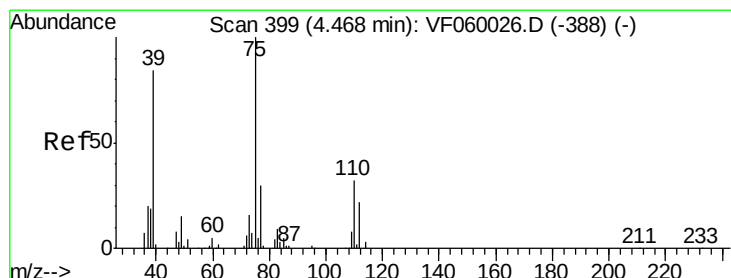
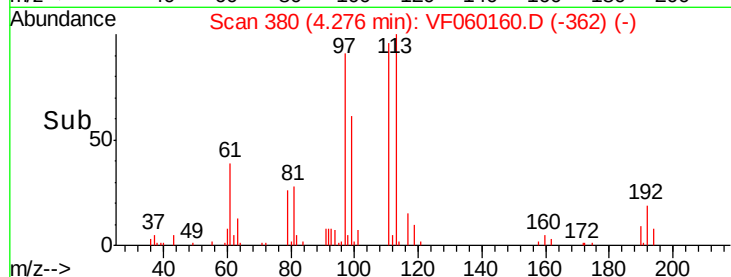
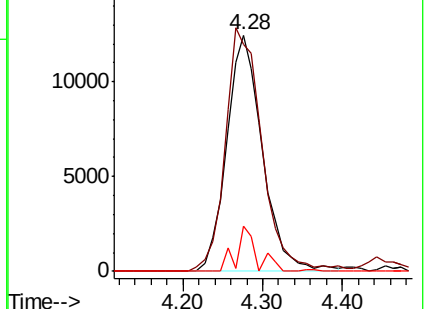
192 19.1 13.0 19.4



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: 28.59 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

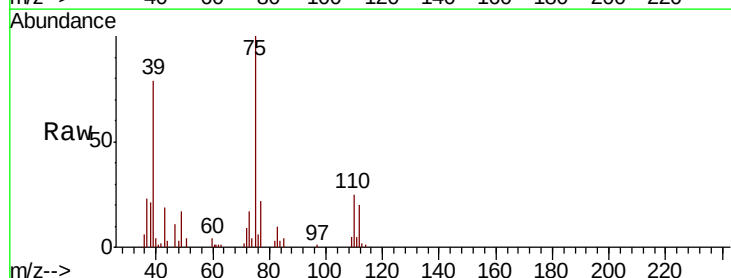
Tgt Ion: 75 Resp: 32015

Ion Ratio Lower Upper

75 100

110 25.4 16.0 47.9

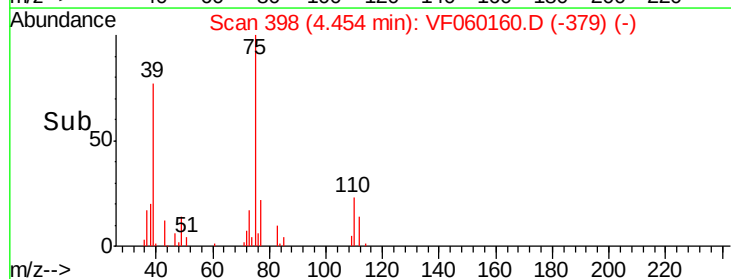
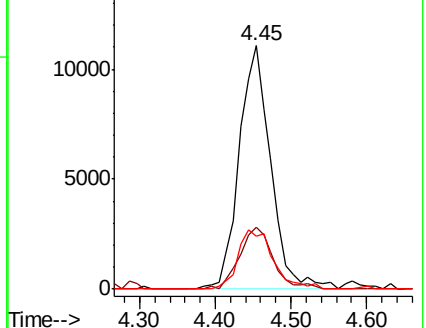
77 21.8 24.1 36.1#

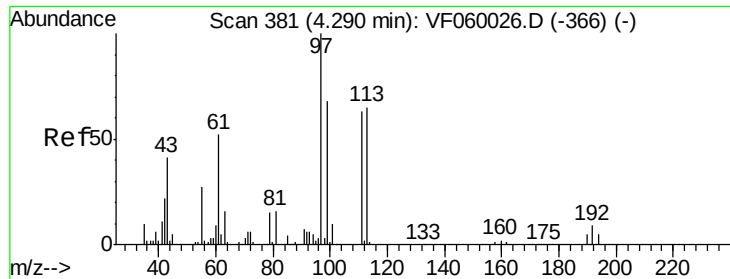


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

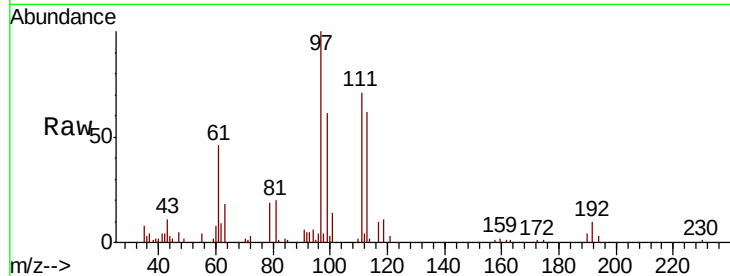




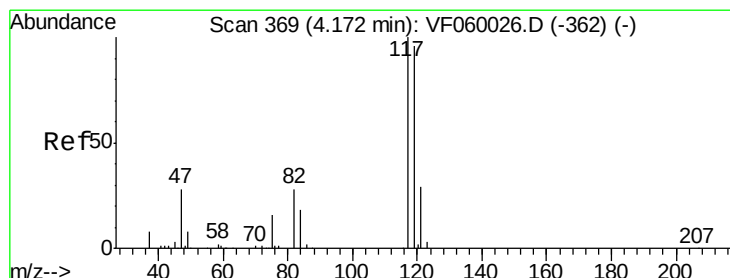
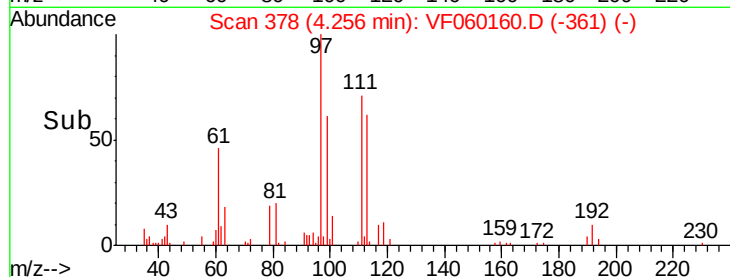
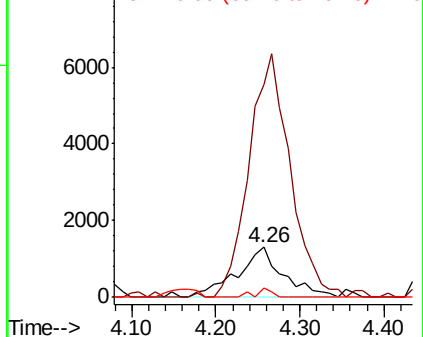
#37
Ethyl Acetate
Concen: 7.46 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

Tot Ion: 43 Resp: 4994
Ion Ratio Lower Upper
43 100
61 423.9 101.5 152.3#
70 19.6 6.4 9.6#

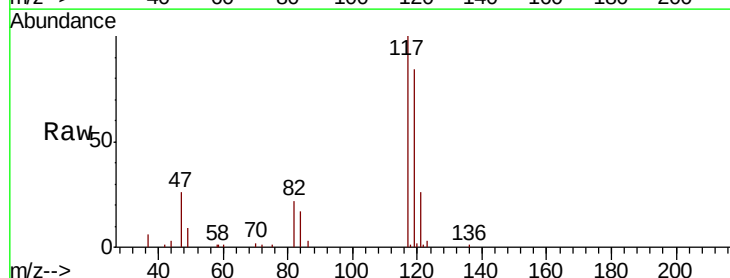


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

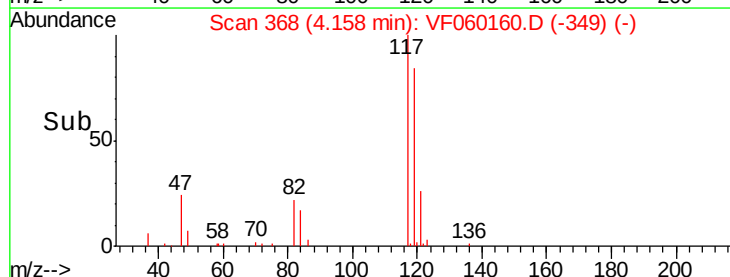
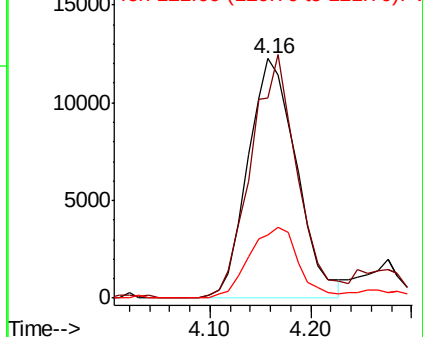


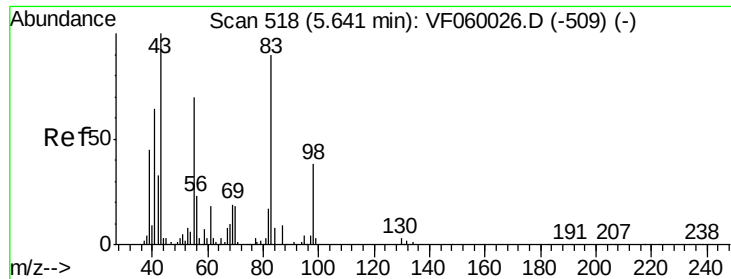
#38
Carbon Tetrachloride
Concen: 31.64 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion: 117 Resp: 41031
Ion Ratio Lower Upper
117 100
119 83.7 76.5 114.7
121 26.3 23.0 34.6



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

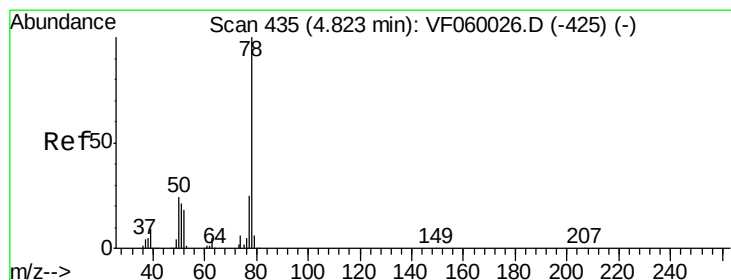
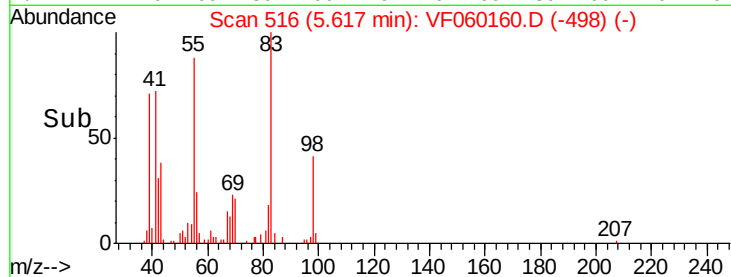
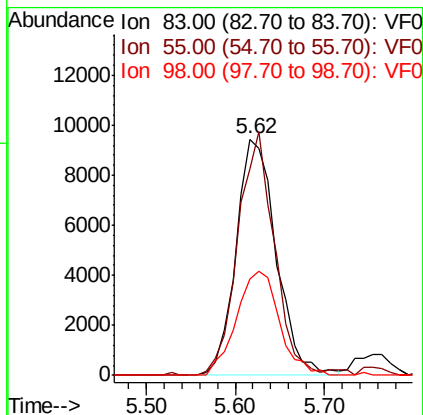
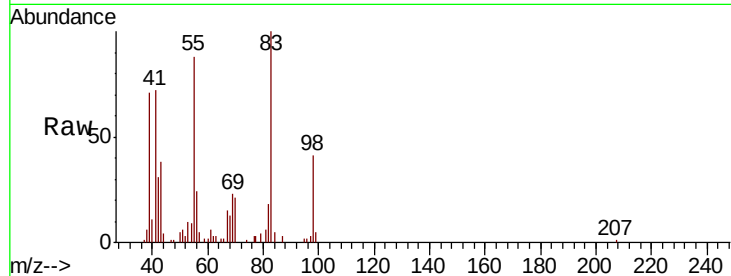




#39
Methylvlcyclohexane
Concen: 28.18 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

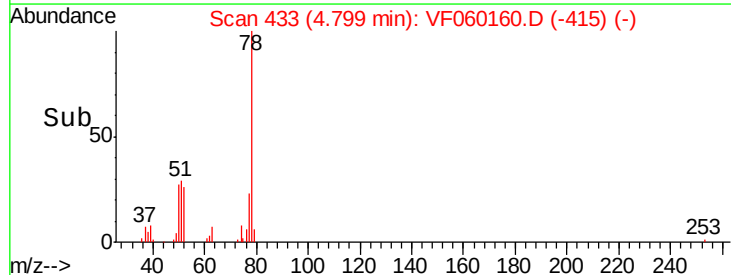
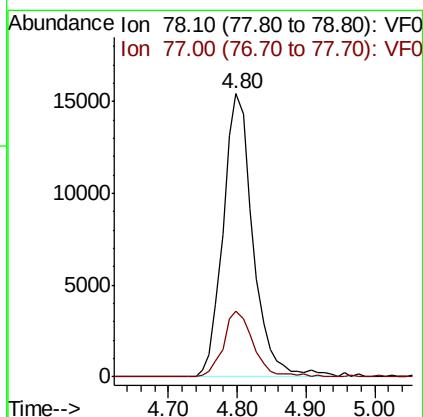
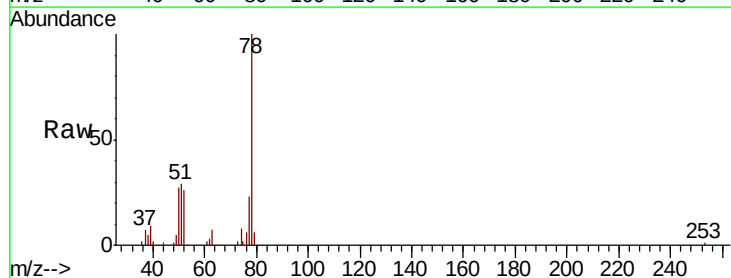
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

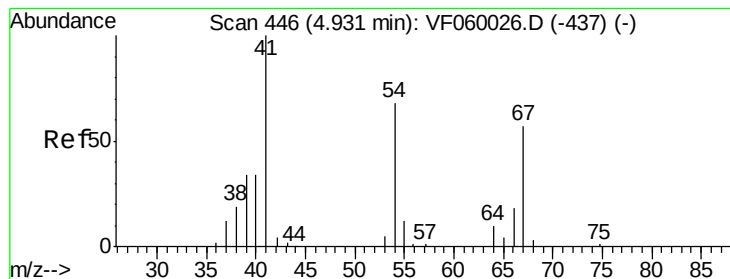
Tot Ion: 83 Resp: 29588
Ion Ratio Lower Upper
83 100
55 87.6 62.7 94.1
98 40.8 33.8 50.8



#40
Benzene
Concen: 18.94 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion: 78 Resp: 46333
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6





#41

Methacrylonitrile

Concen: 7.82 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

Tot Ion: 41 Resp: 2649

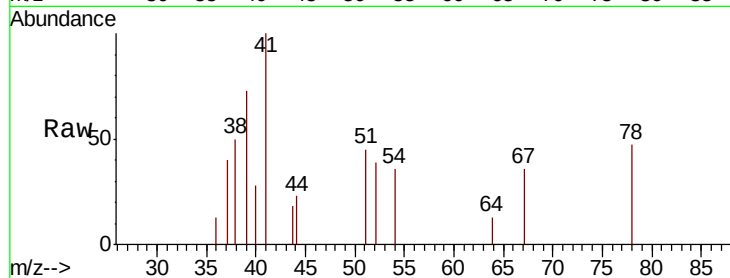
Ion Ratio Lower Upper

41 100

39 72.6 52.9 79.3

67 36.4 45.3 67.9#

52 38.6 34.8 52.2

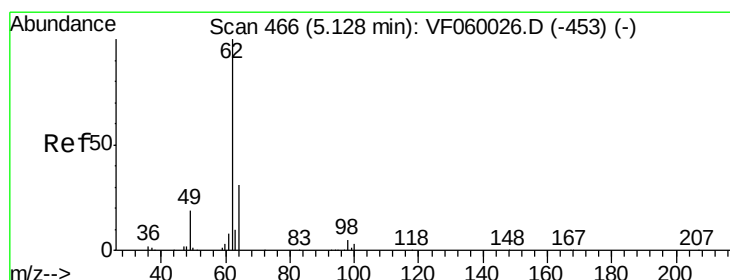
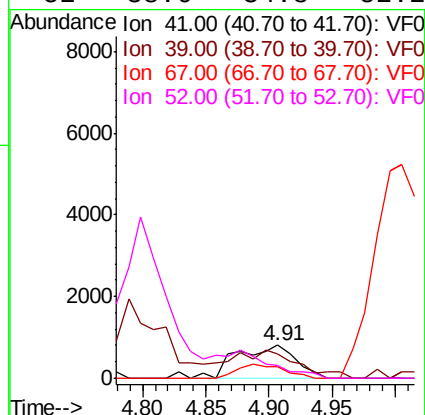
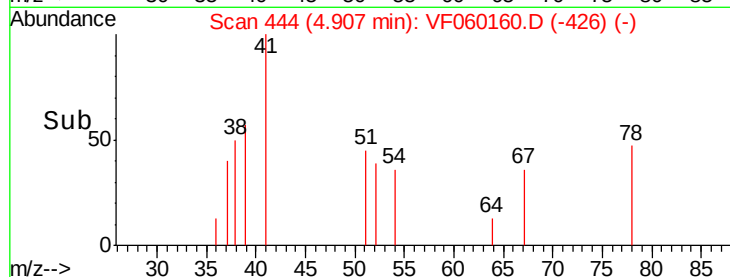


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 14.10 ug/l

RT: 5.09 min Scan# 463

Delta R.T. -0.03 min

Lab File: VF060160.D

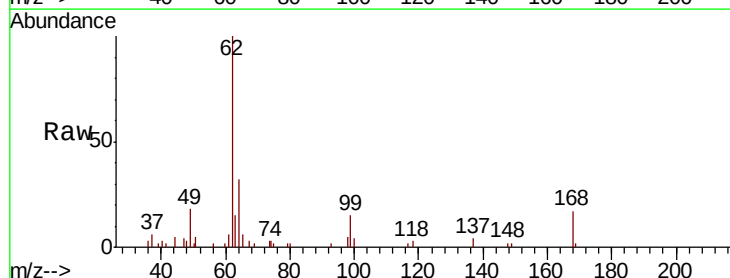
Acq: 28 Aug 2018 19:58

Tgt Ion: 62 Resp: 18499

Ion Ratio Lower Upper

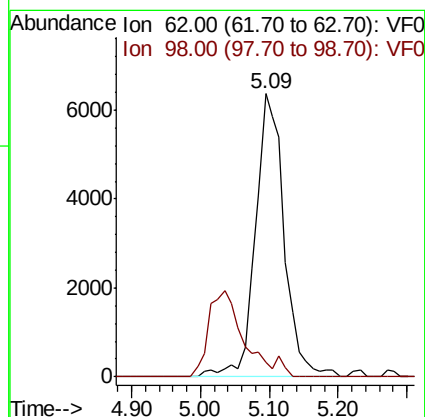
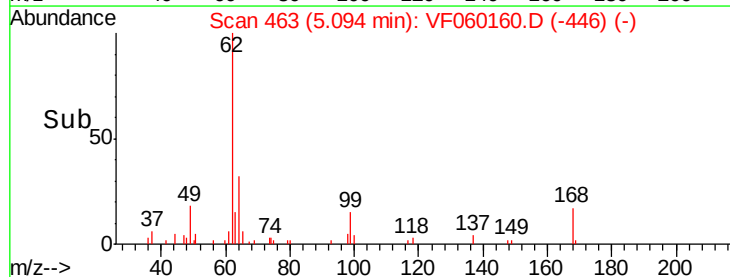
62 100

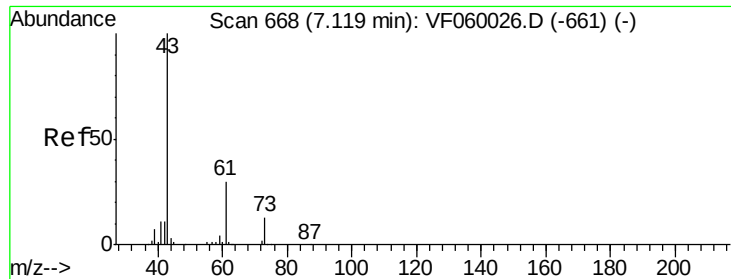
98 5.1 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 7.26 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

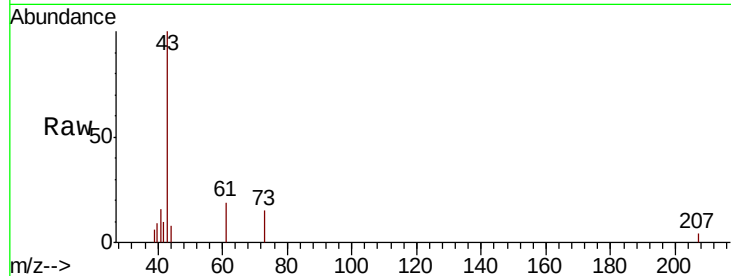
Tot Ion: 43 Resp: 6115

Ion Ratio Lower Upper

43 100

61 18.9 23.8 35.6#

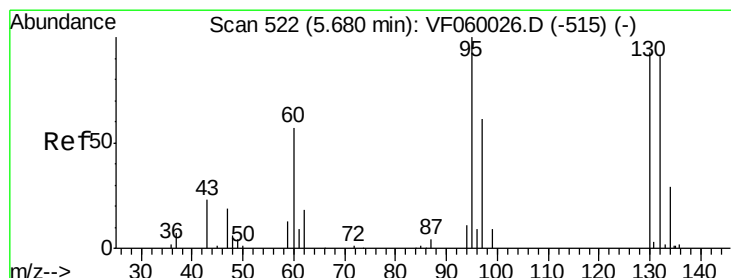
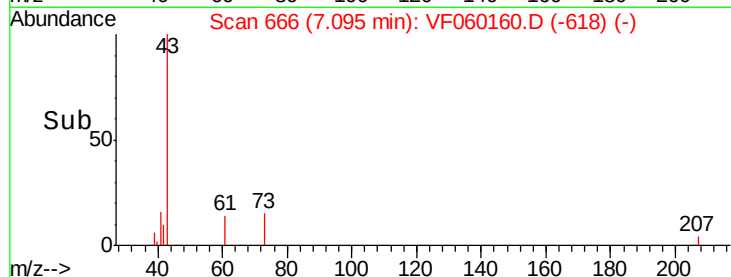
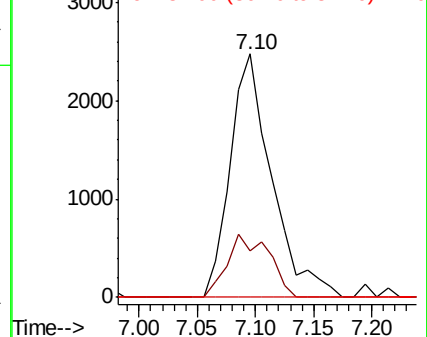
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 25.30 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF060160.D

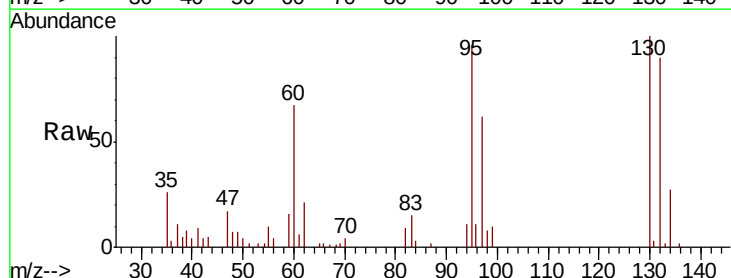
Acq: 28 Aug 2018 19:58

Tgt Ion: 130 Resp: 20457

Ion Ratio Lower Upper

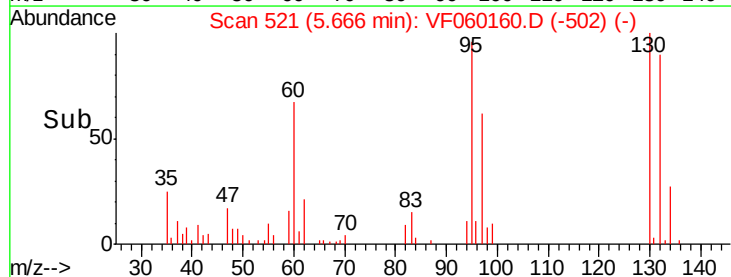
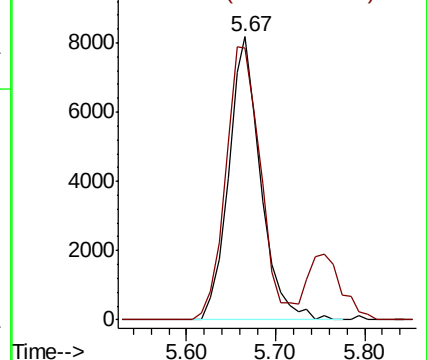
130 100

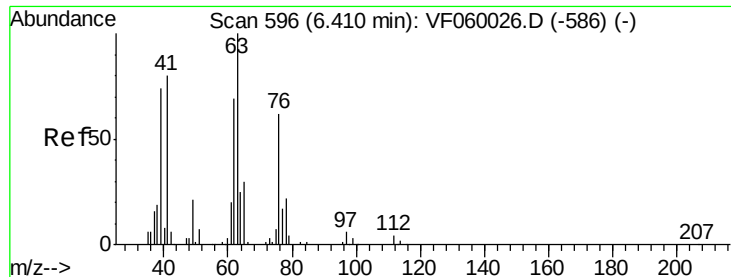
95 96.2 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 14.52 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

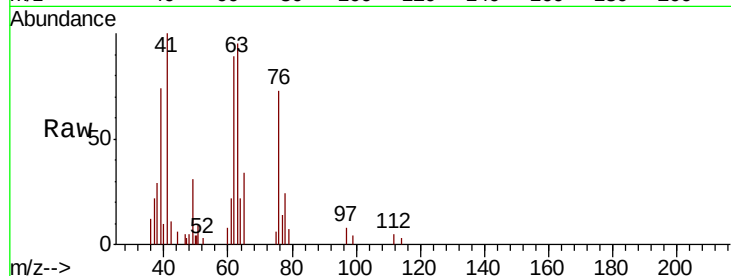
VF0828SBS02

Tot Ion: 63 Resp: 10048

Ion Ratio Lower Upper

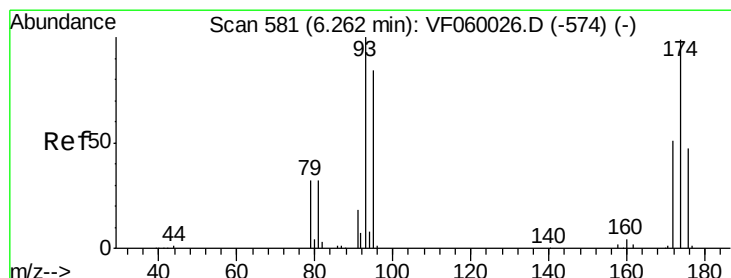
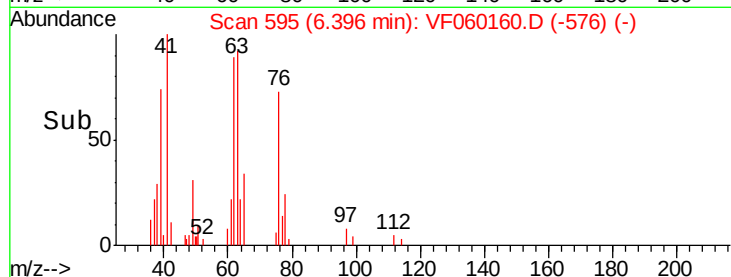
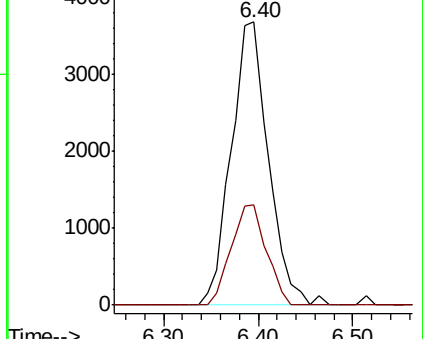
63 100

65 35.5 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 11.02 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

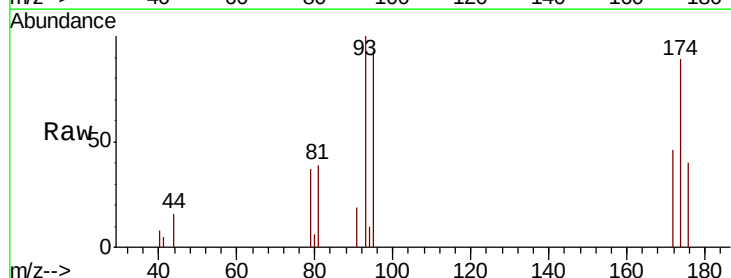
Tgt Ion: 93 Resp: 5966

Ion Ratio Lower Upper

93 100

95 93.5 67.1 100.7

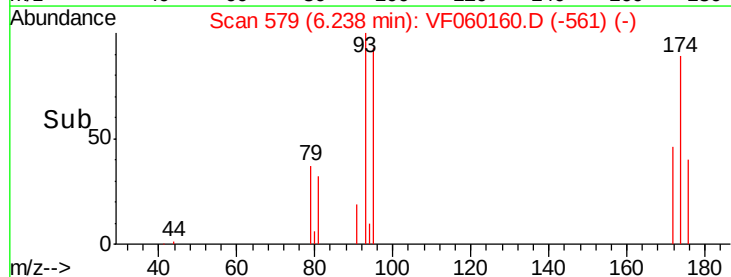
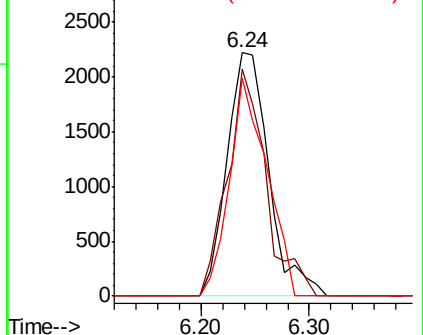
174 89.3 79.0 118.4

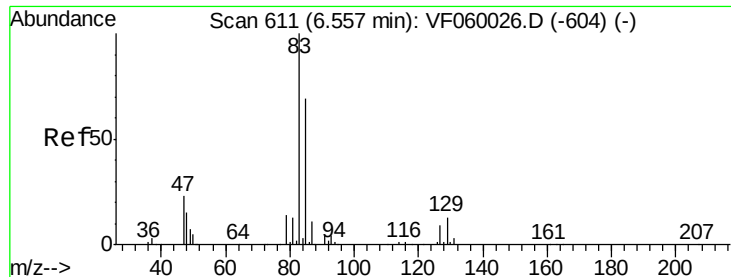


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 16.68 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

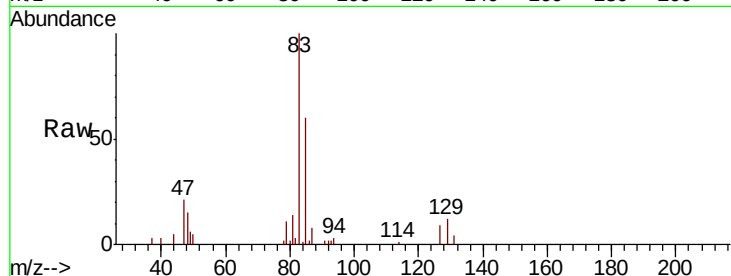
Tot Ion: 83 Resp: 21813

Ion Ratio Lower Upper

83 100

85 59.9 55.2 82.8

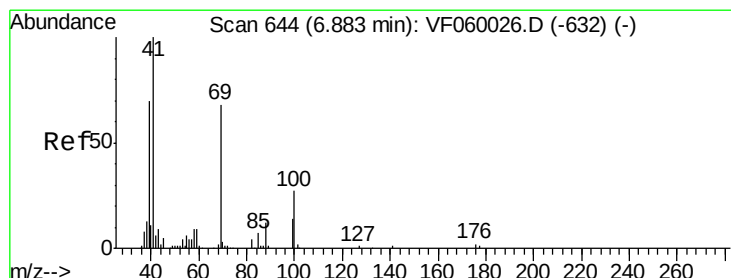
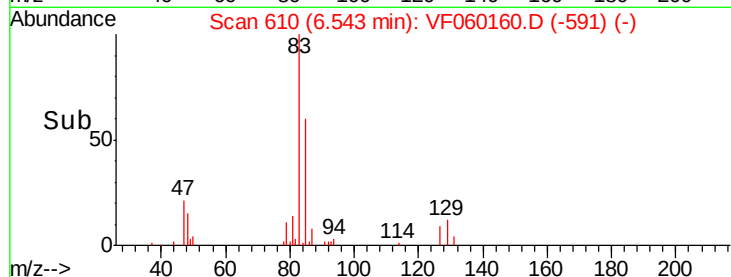
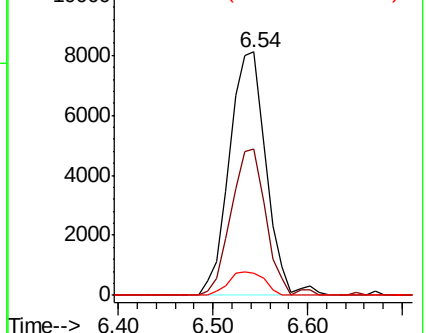
127 9.3 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 9.41 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

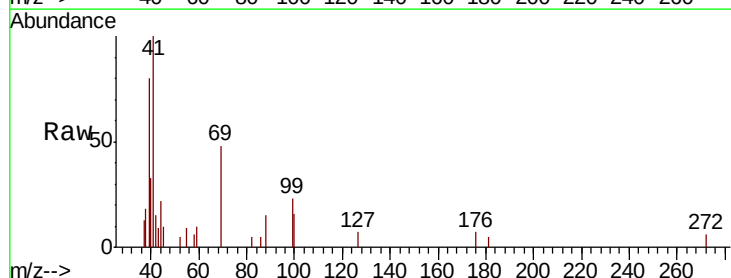
Tgt Ion: 41 Resp: 5248

Ion Ratio Lower Upper

41 100

69 48.2 54.6 81.8#

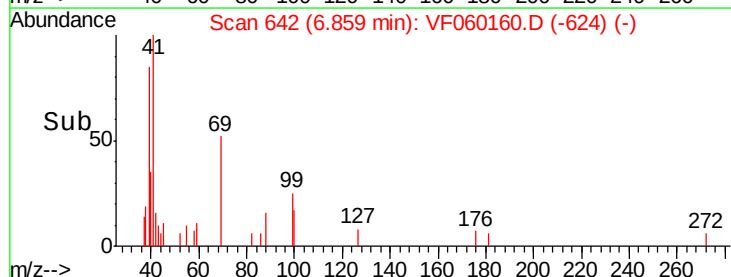
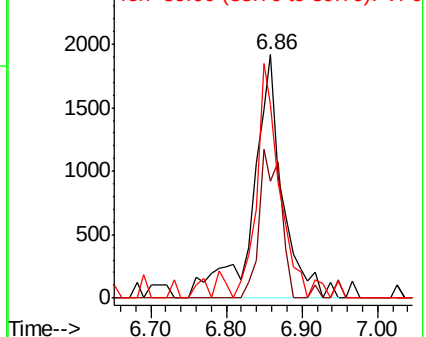
39 79.7 56.5 84.7

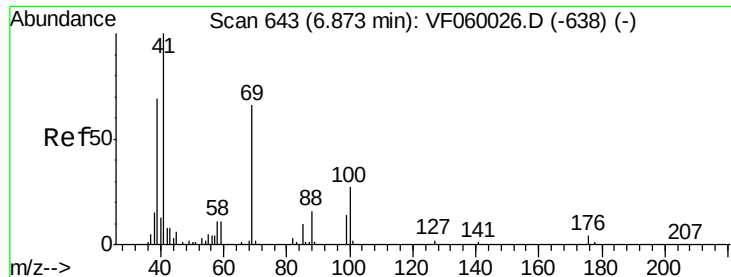


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 133.73 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

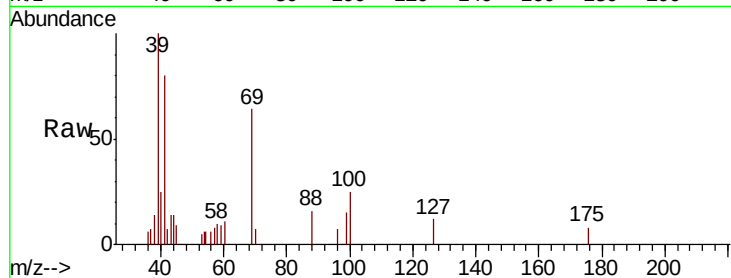
Tot Ion: 88 Resp: 716

Ion Ratio Lower Upper

88 100

43 92.0 46.5 69.7#

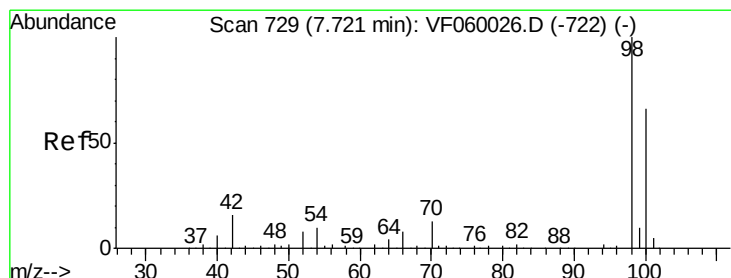
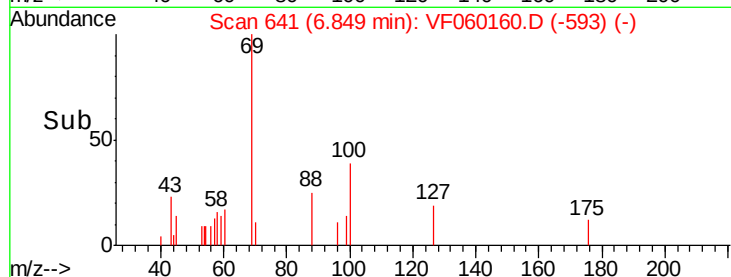
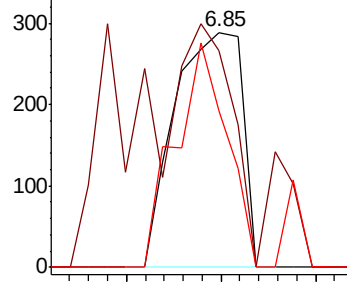
58 66.4 54.8 82.2



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: 46.90 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060160.D

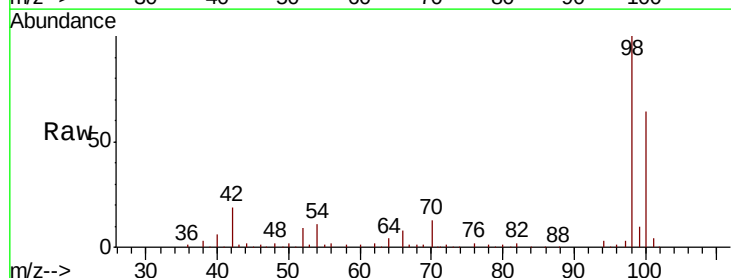
Acq: 28 Aug 2018 19:58

Tgt Ion: 98 Resp: 124623

Ion Ratio Lower Upper

98 100

100 64.4 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

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Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

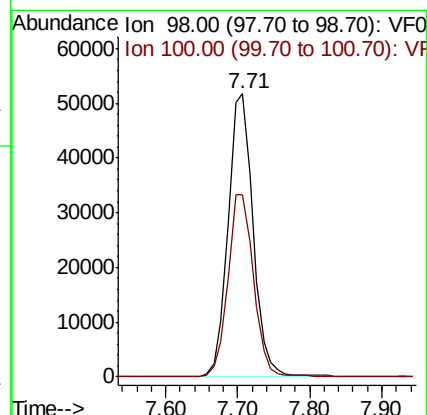
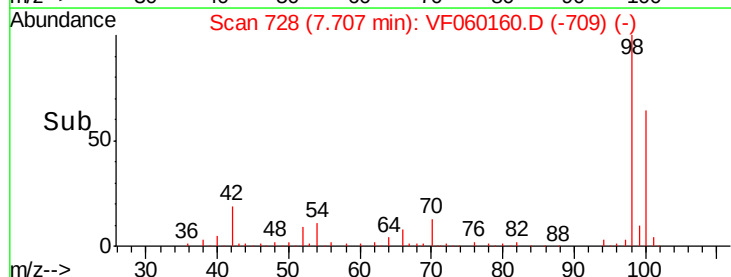
Ion 100.00 (99.70 to 100.70): VF0

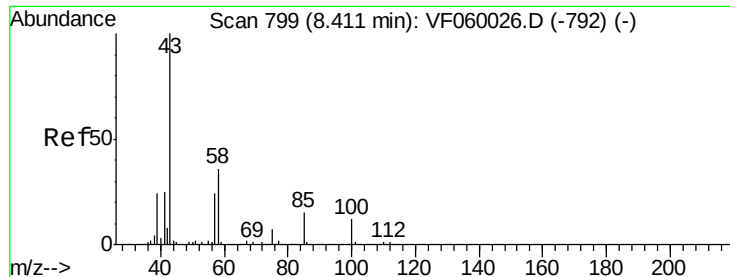
Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 38.48 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

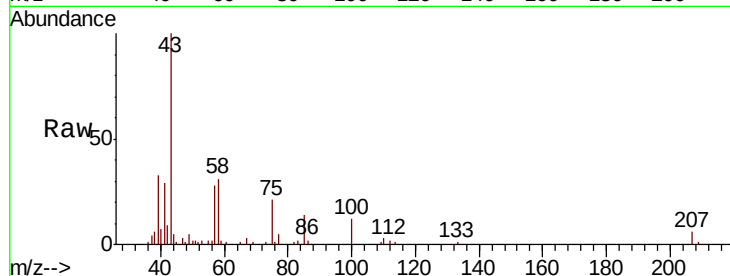
VF0828SBS02

Tot Ion: 43 Resp: 28009

Ion Ratio Lower Upper

43 100

58 30.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

12000

10000

8000

6000

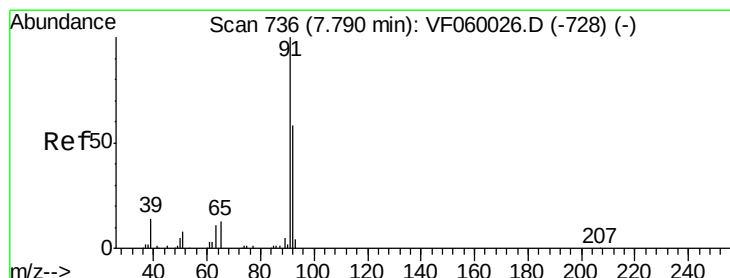
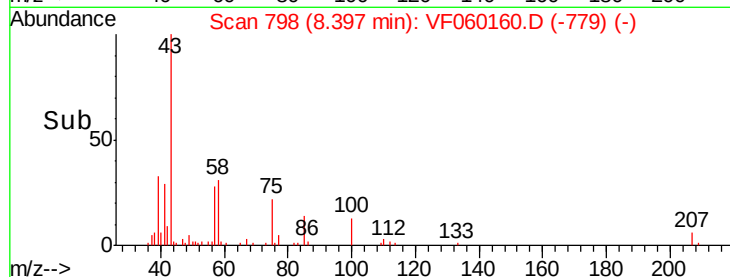
4000

2000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.23 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060160.D

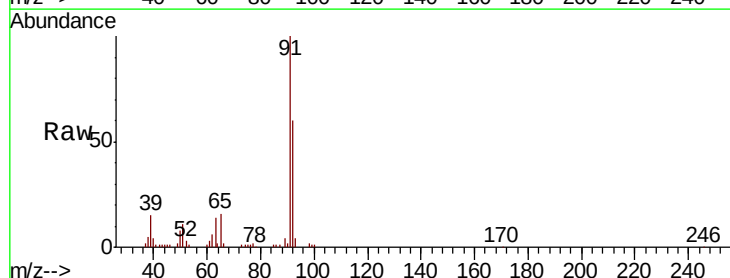
Acq: 28 Aug 2018 19:58

Tgt Ion: 92 Resp: 37852

Ion Ratio Lower Upper

92 100

91 165.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

30000

25000

20000

15000

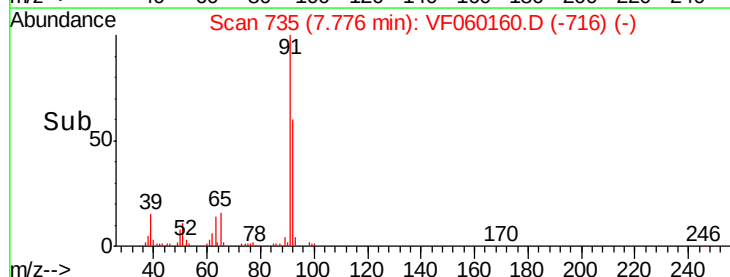
10000

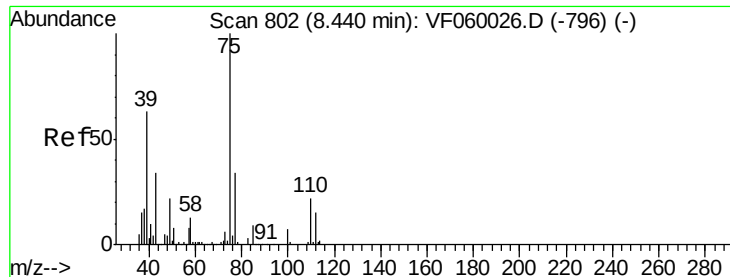
5000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 11.35 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

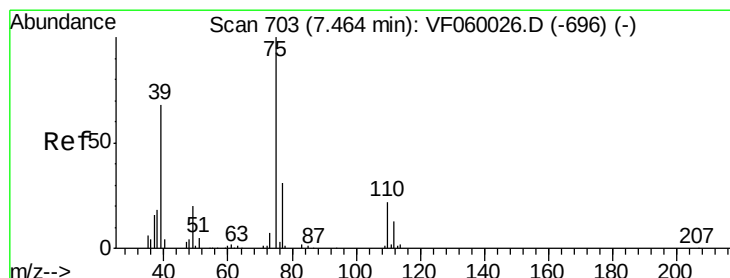
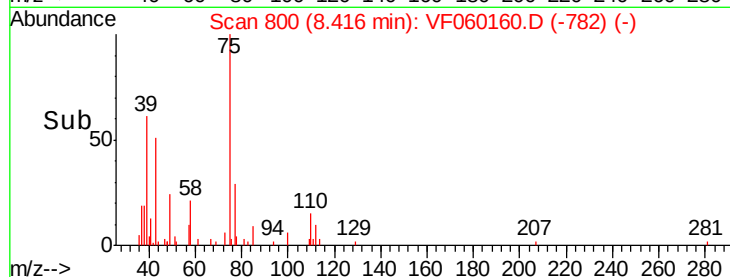
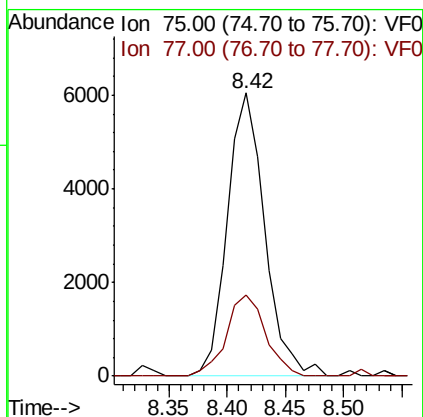
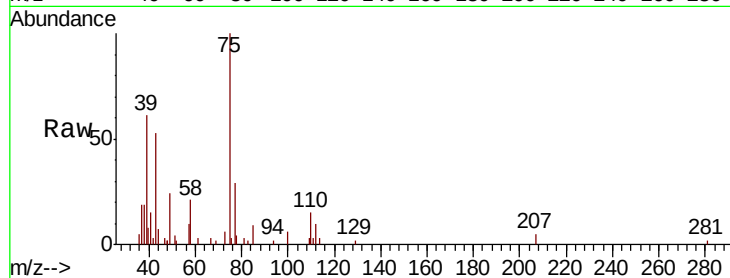
VF0828SBS02

Tot Ion: 75 Resp: 13458

Ion Ratio Lower Upper

75 100

77 28.5 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 11.79 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

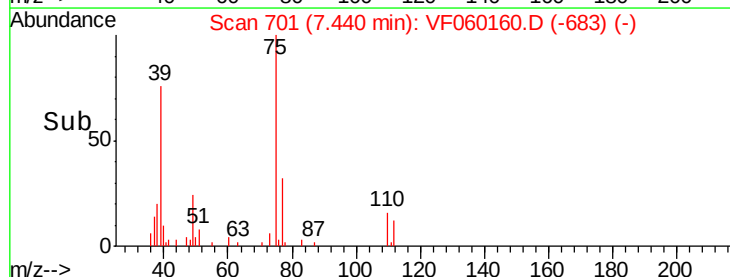
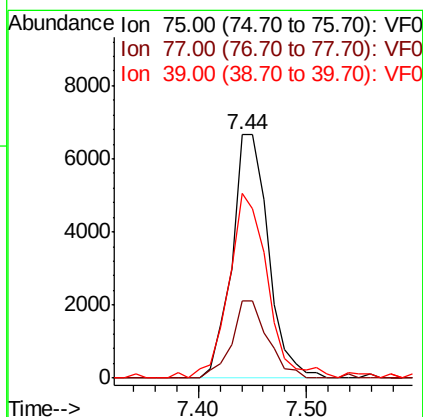
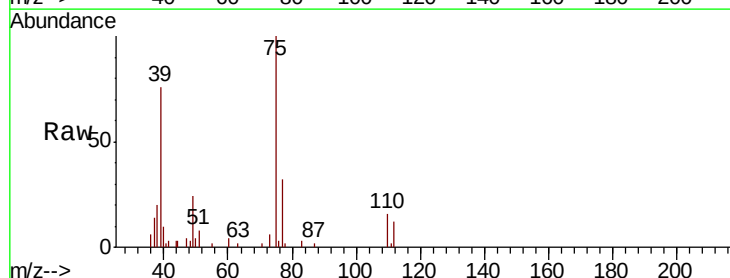
Tgt Ion: 75 Resp: 15602

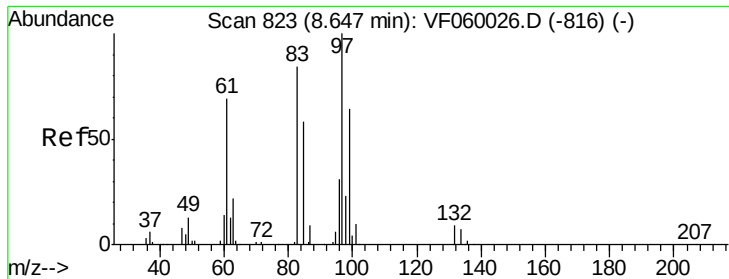
Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

39 75.7 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 10.48 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

Tot Ion: 97 Resp: 6918

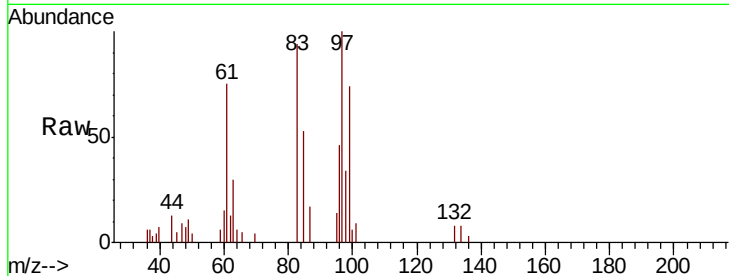
Ion	Ratio	Lower	Upper
97	100		
83	93.5	67.4	101.2
85	53.3	46.2	69.2
99	74.1	51.1	76.7

97 100

83 93.5 67.4 101.2

85 53.3 46.2 69.2

99 74.1 51.1 76.7



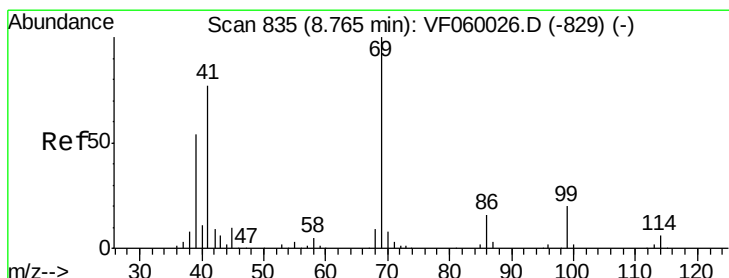
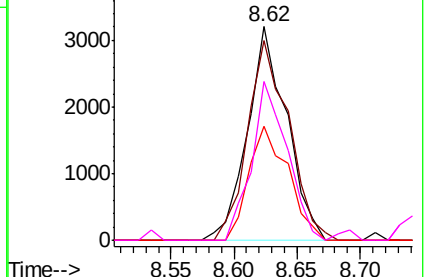
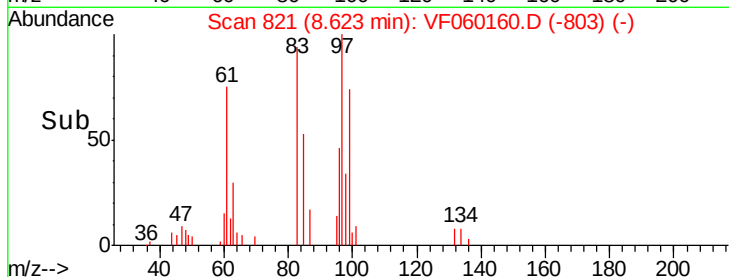
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 7.30 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

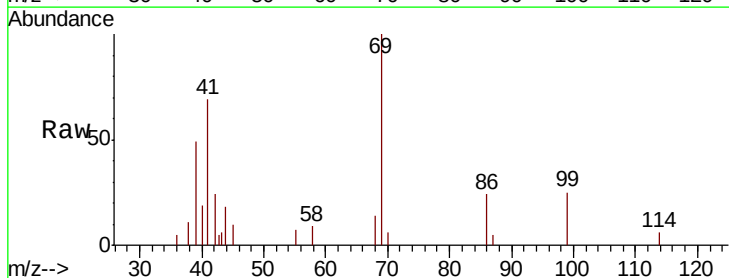
Tgt Ion: 69 Resp: 5833

Ion	Ratio	Lower	Upper
69	100		
41	68.8	61.6	92.4
39	49.3	43.9	65.9

69 100

41 68.8 61.6 92.4

39 49.3 43.9 65.9

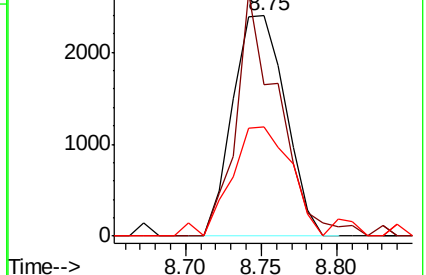
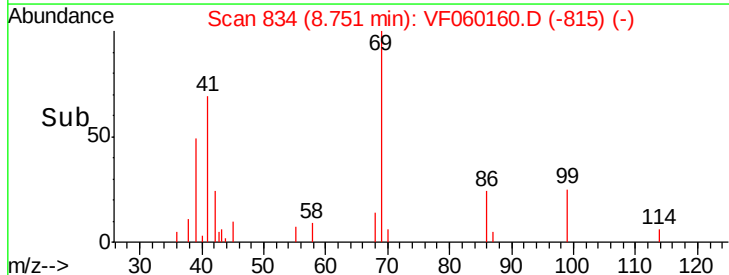


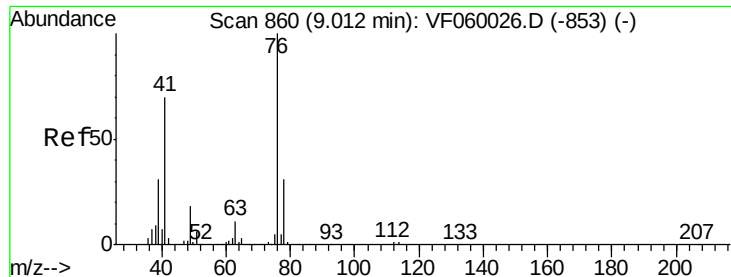
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 10.92 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

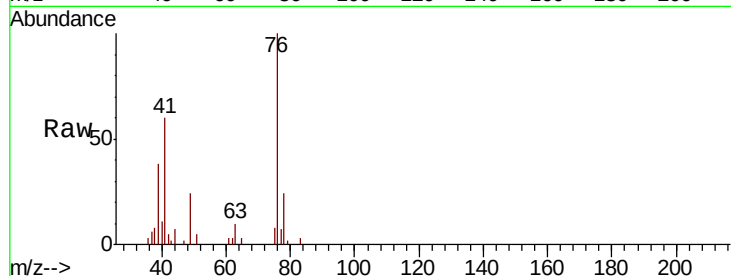
VF0828SBS02

Tot Ion: 76 Resp: 12673

Ion Ratio Lower Upper

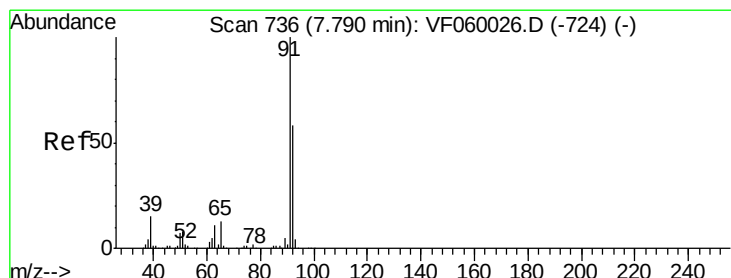
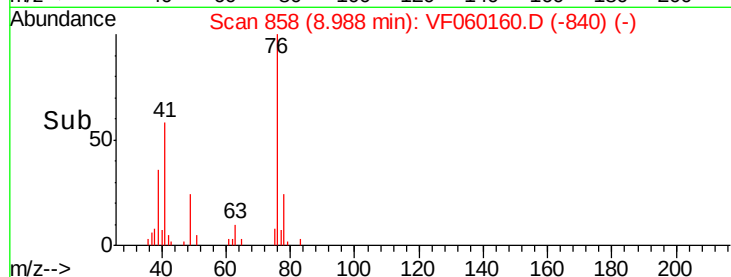
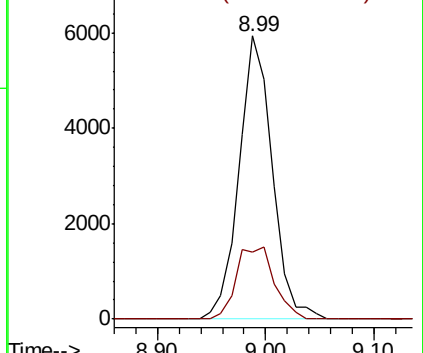
76 100

78 23.7 25.2 37.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 129.45 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060160.D

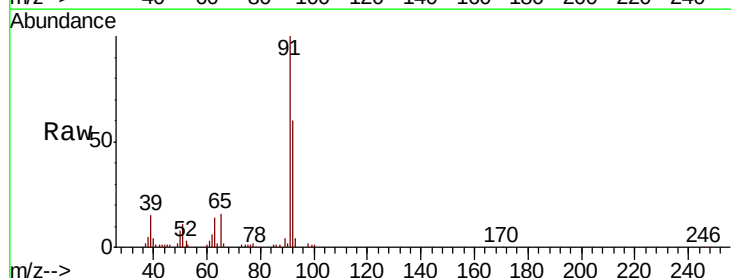
Acq: 28 Aug 2018 19:58

Tgt Ion: 63 Resp: 8209

Ion Ratio Lower Upper

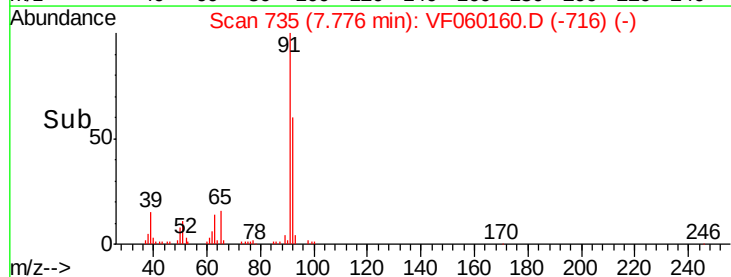
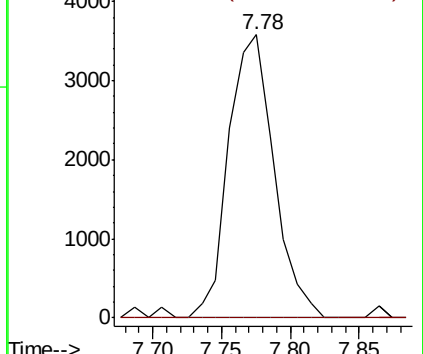
63 100

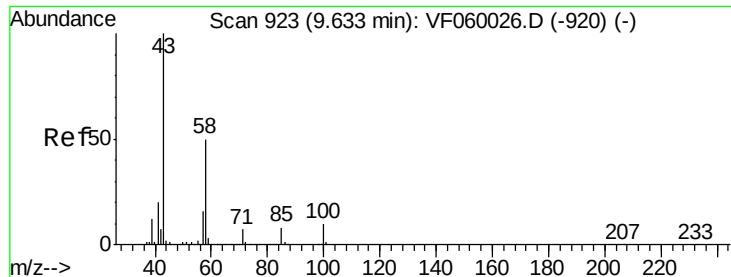
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

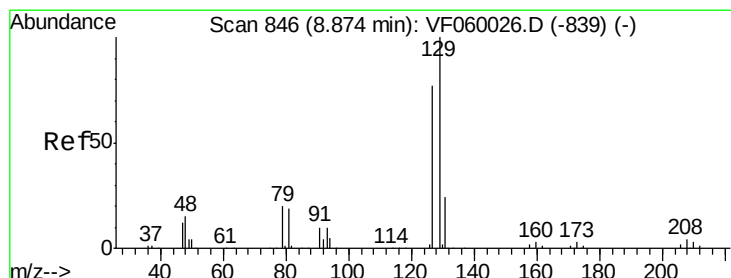
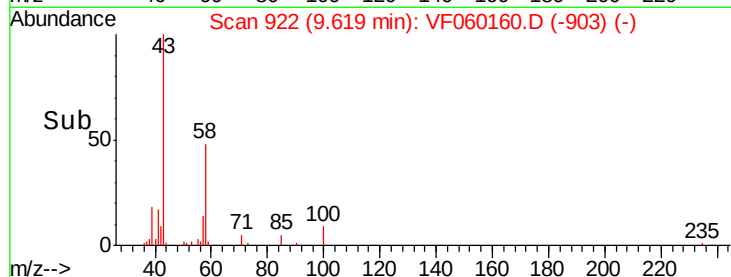
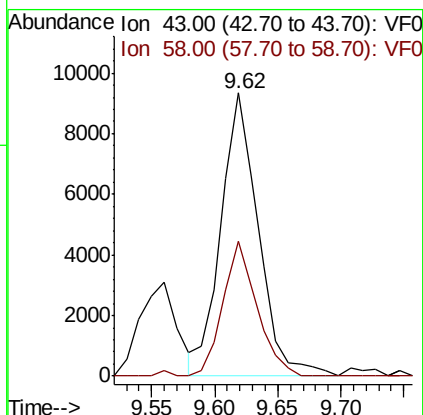
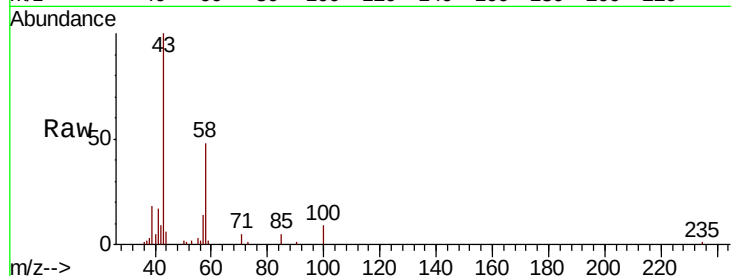




#59
2-Hexanone
Concen: 32.52 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

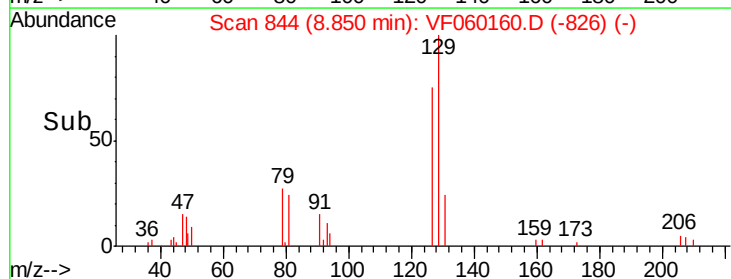
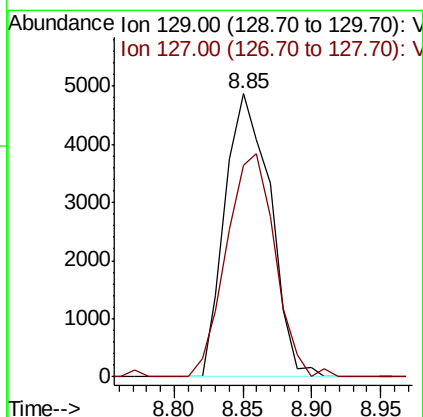
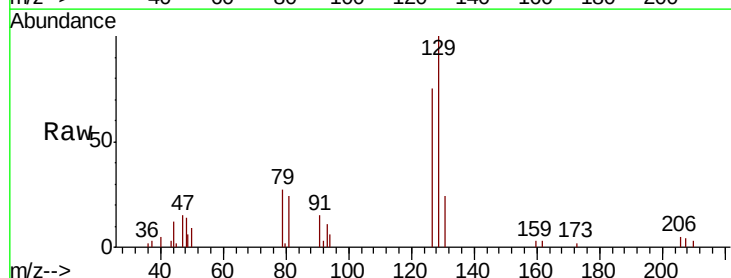
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

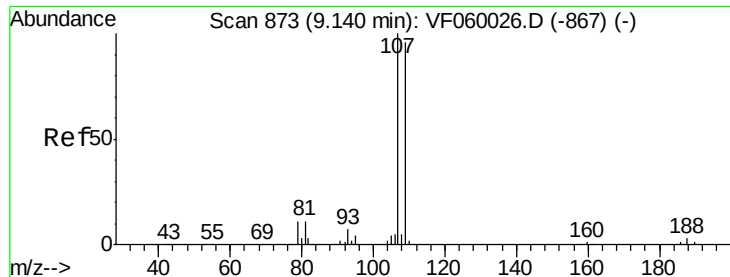
Tot Ion: 43 Resp: 19156
Ion Ratio Lower Upper
43 100
58 47.7 23.4 70.2



#60
Dibromochloromethane
Concen: 11.48 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion: 129 Resp: 11181
Ion Ratio Lower Upper
129 100
127 74.7 38.6 115.8

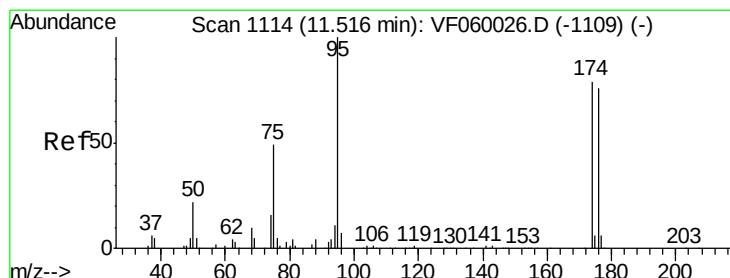
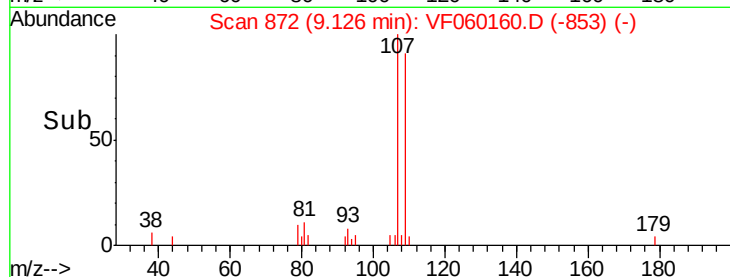
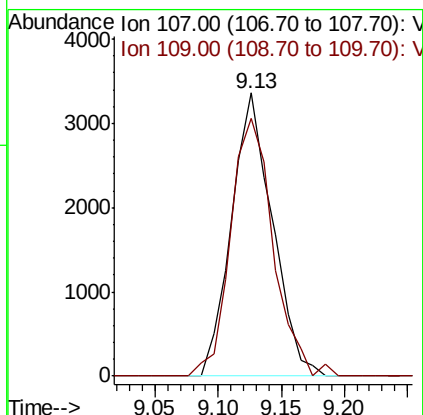
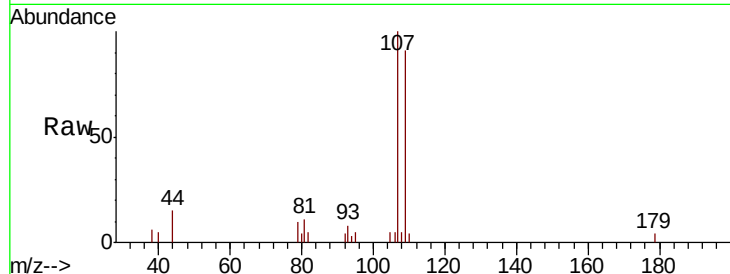




#61
 1,2-Dibromoethane
 Concen: 9.73 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

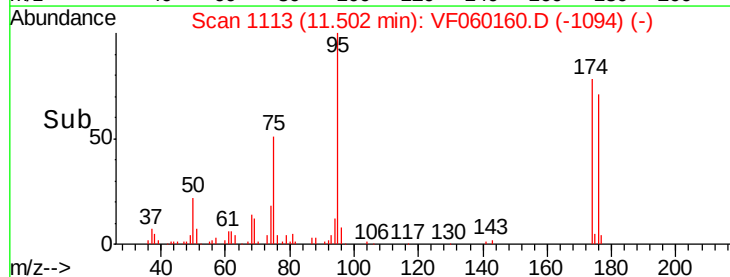
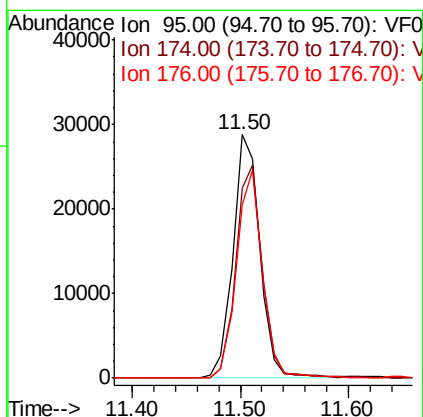
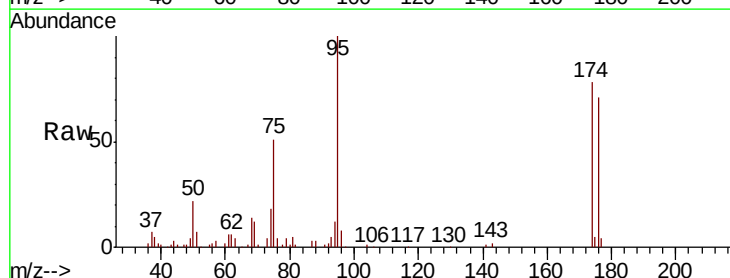
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

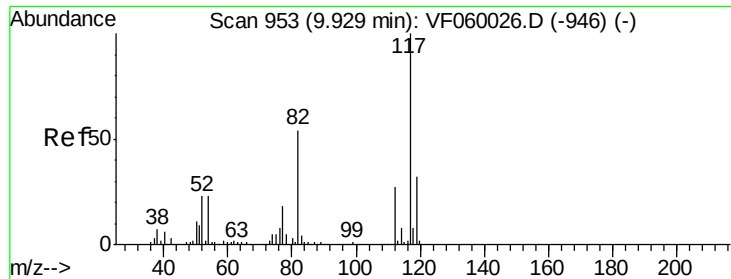
Tot Ion:107 Resp: 7541
 Ion Ratio Lower Upper
 107 100
 109 91.3 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 35.55 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion: 95 Resp: 49976
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 158.4
 176 71.4 0.0 153.0

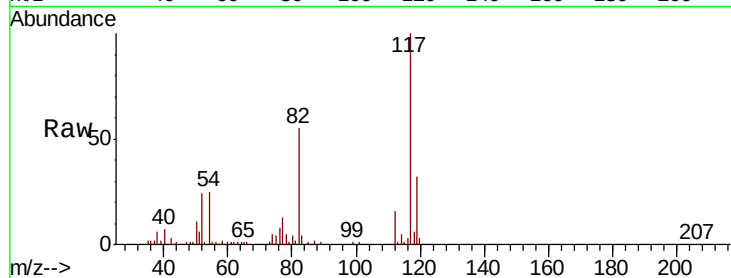




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.6	65.4
119	31.9	25.6	38.4

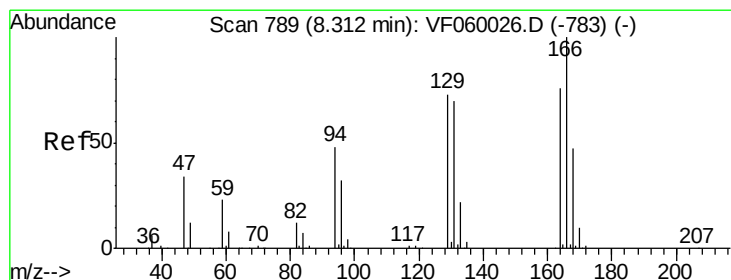
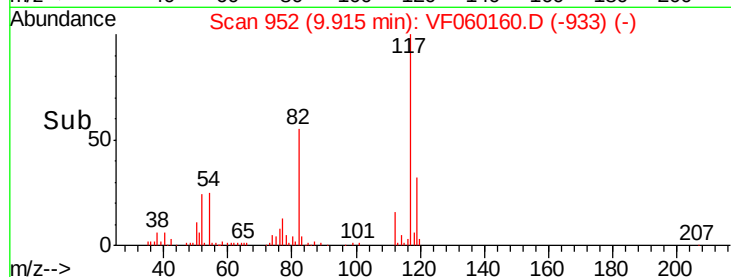
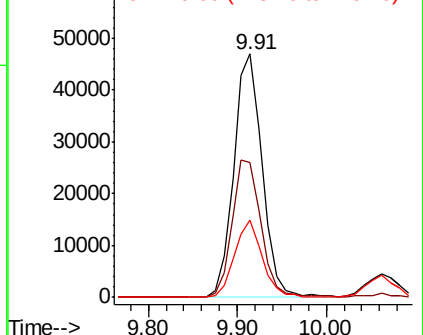


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 32.54 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.7	157.1
129	98.3	77.0	115.4
131	97.6	72.9	109.3

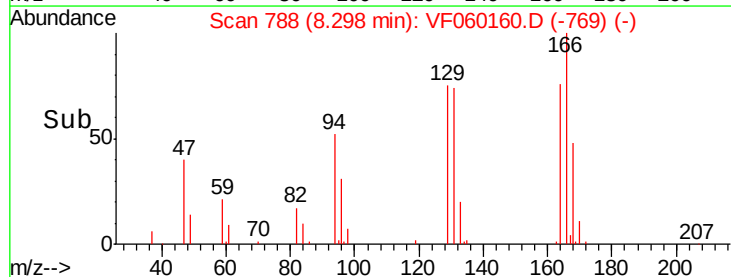
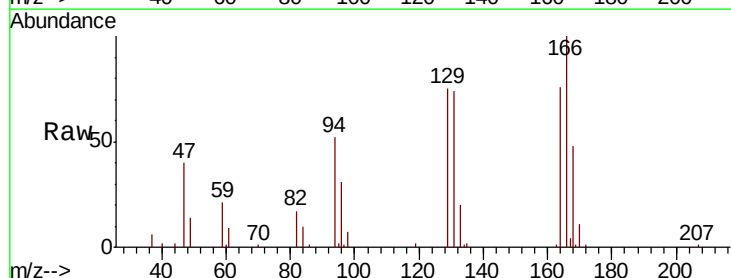
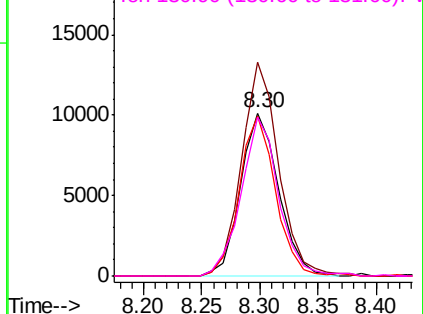
Abundance

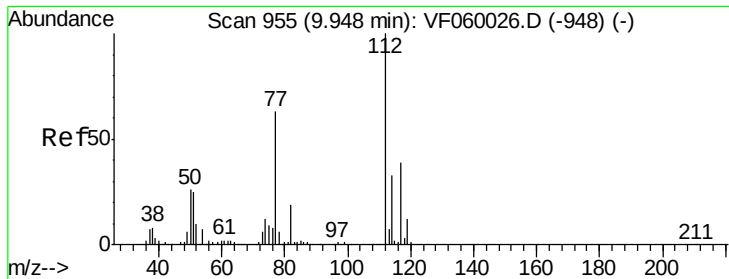
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

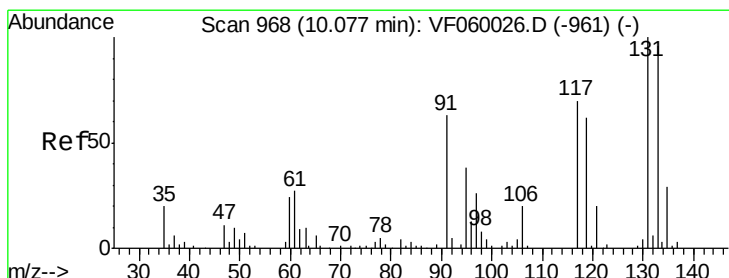
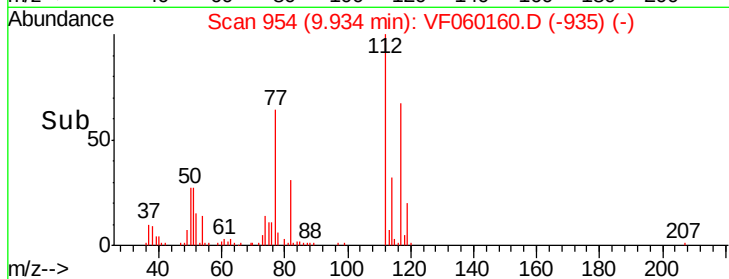
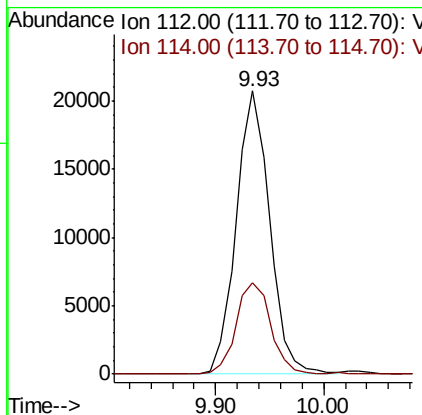
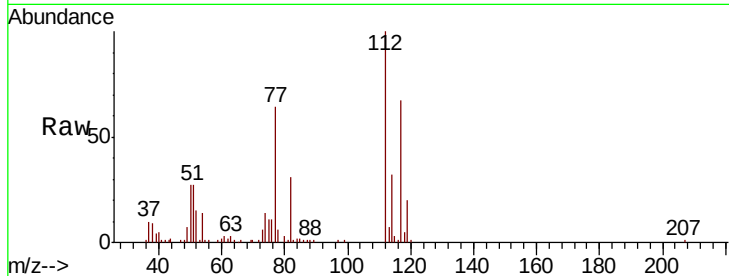




#65
Chlorobenzene
Concen: 22.61 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

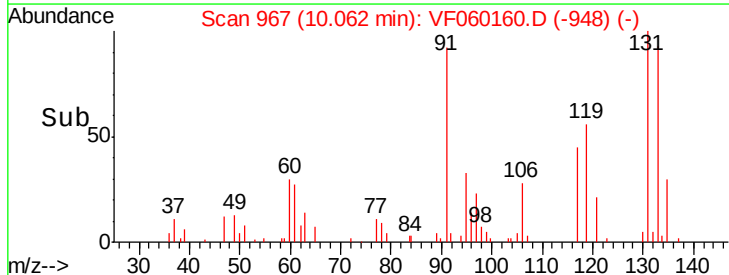
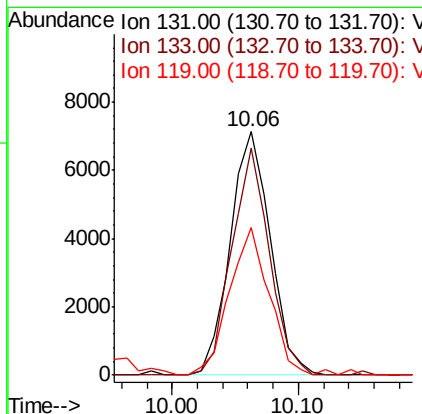
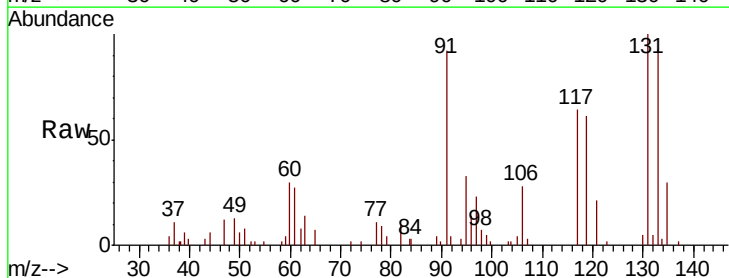
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

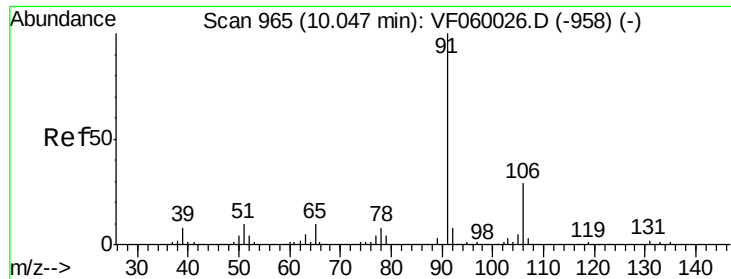
Tot Ion:112 Resp: 44613
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.05 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion:131 Resp: 15749
Ion Ratio Lower Upper
131 100
133 93.2 48.2 144.6
119 60.7 31.4 94.2

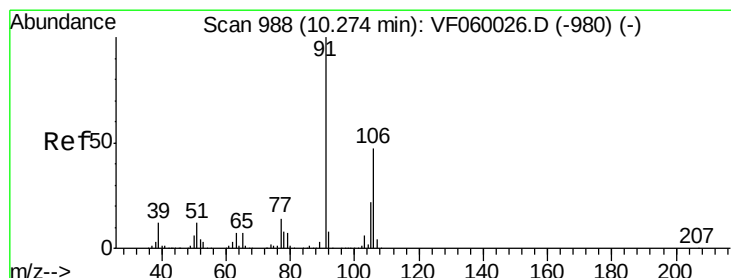
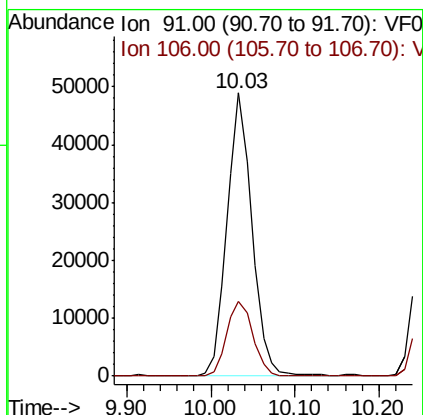
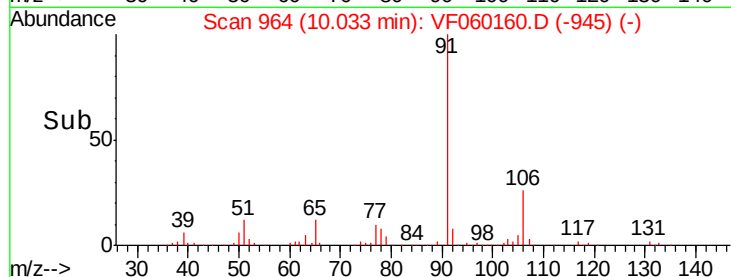
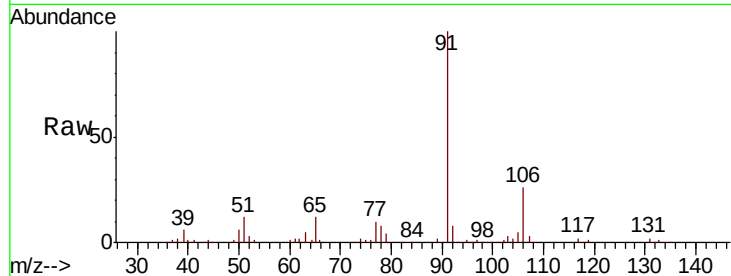




#67
Ethyl Benzene
Concen: 29.75 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

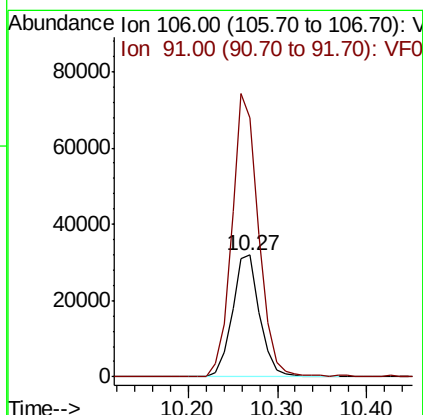
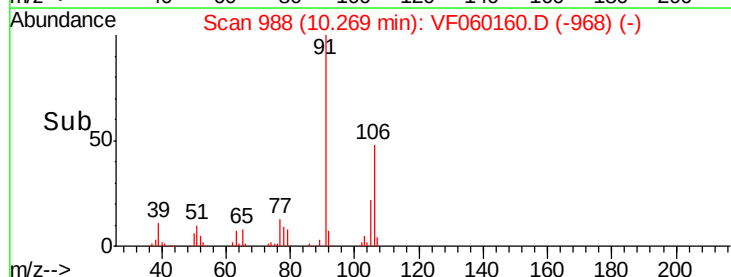
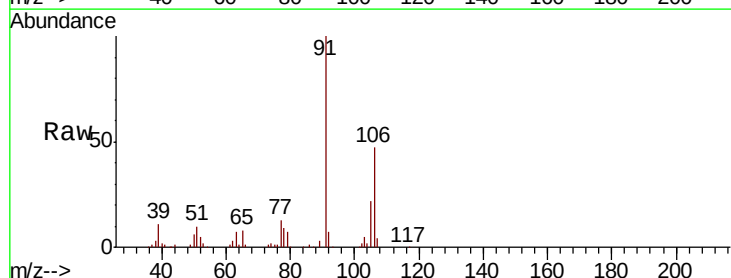
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

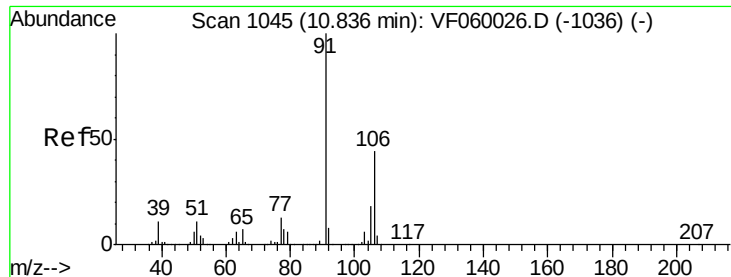
Tot Ion: 91 Resp: 101271
Ion Ratio Lower Upper
91 100
106 26.3 23.6 35.4



#68
m/p-Xylenes
Concen: 57.78 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion:106 Resp: 68730
Ion Ratio Lower Upper
106 100
91 212.2 171.8 257.8

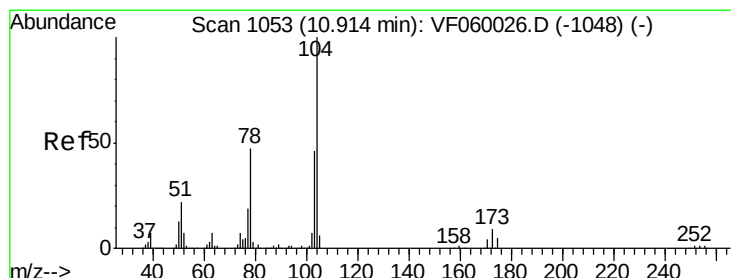
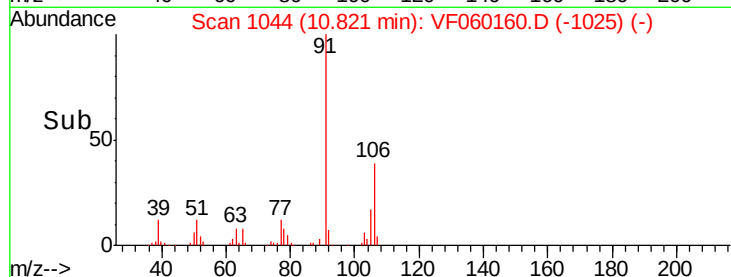
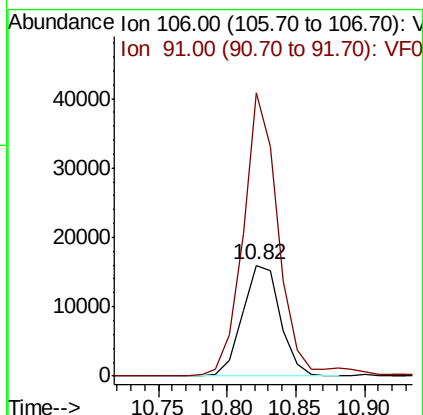
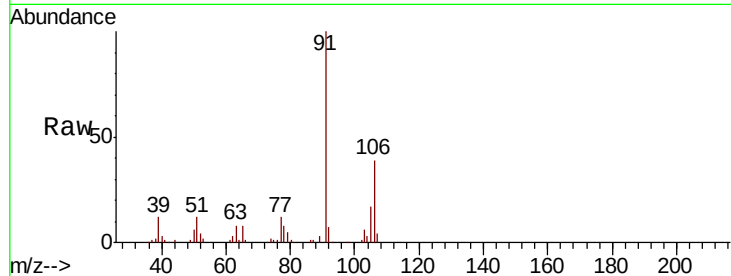




#69
o-Xylene
Concen: 23.01 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

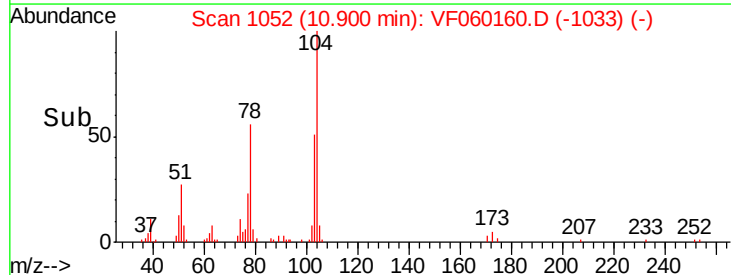
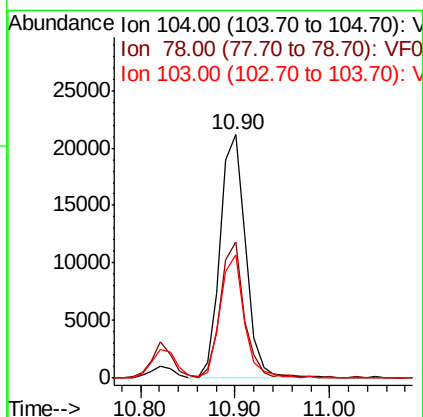
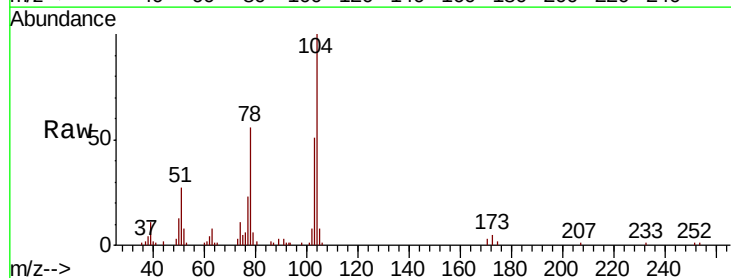
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

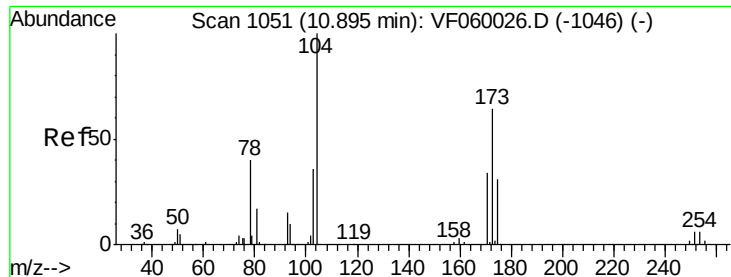
Tot Ion:106 Resp: 30692
Ion Ratio Lower Upper
106 100
91 254.7 112.5 337.5



#70
Styrene
Concen: 19.40 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion:104 Resp: 39692
Ion Ratio Lower Upper
104 100
78 55.7 38.0 57.0
103 50.9 37.6 56.4





#71

Bromoform

Concen: 11.49 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

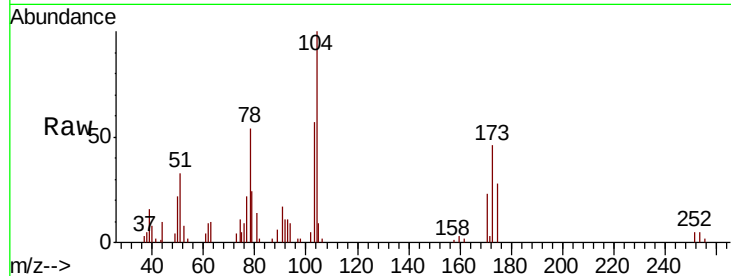
Tot Ion:173 Resp: 5999

Ion Ratio Lower Upper

173 100

175 61.6 24.7 74.1

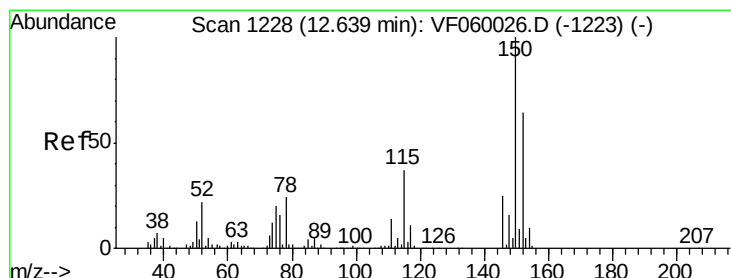
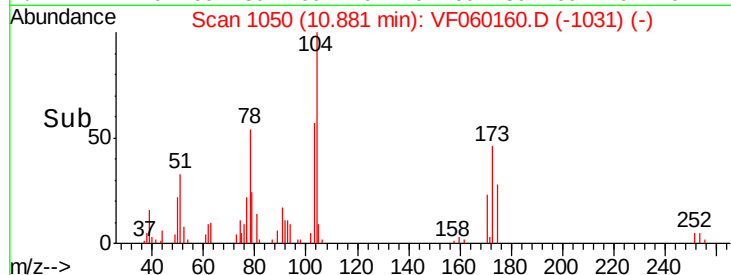
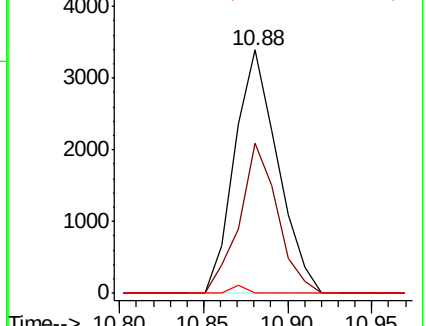
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

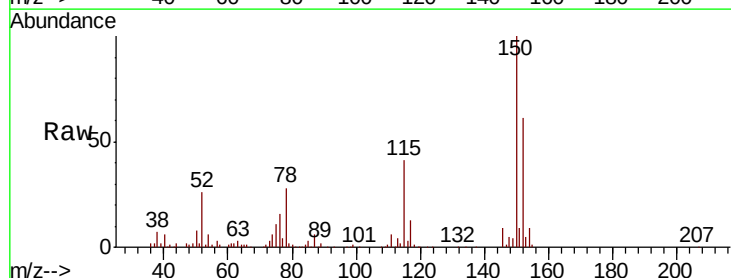
Tgt Ion:152 Resp: 56532

Ion Ratio Lower Upper

152 100

115 67.6 28.6 85.9

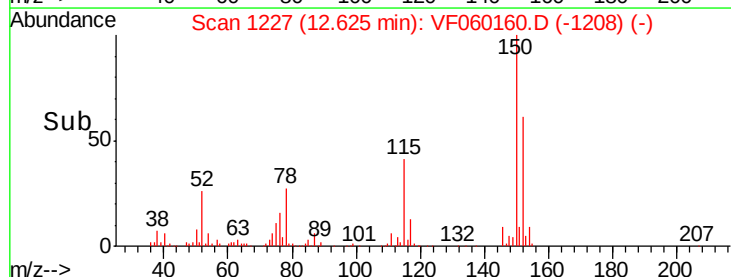
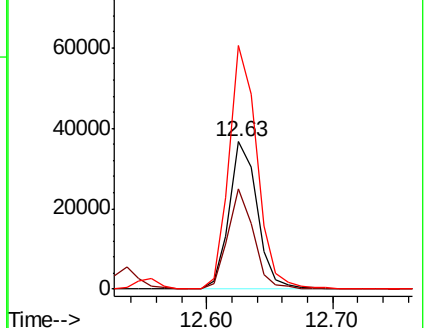
150 165.2 0.0 312.0

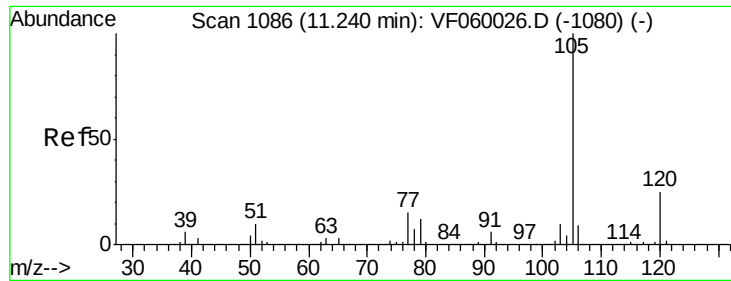


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 33.37 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

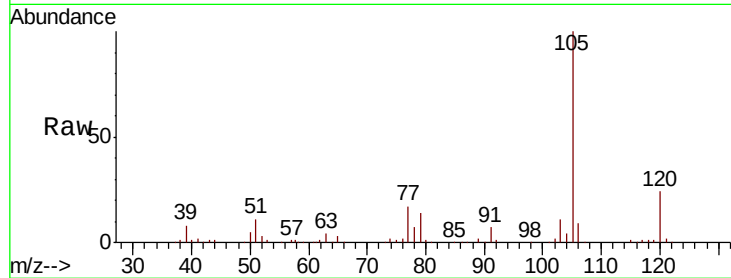
VF0828SBS02

Tot Ion:105 Resp: 113548

Ion Ratio Lower Upper

105 100

120 24.2 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

80000

60000

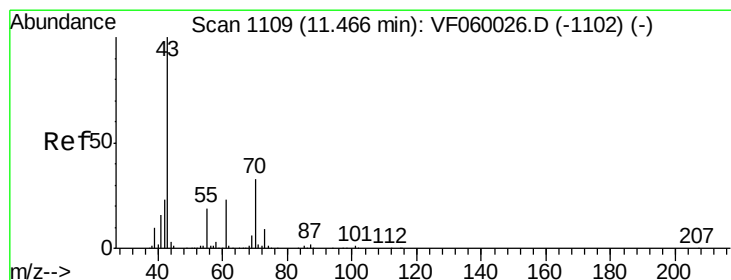
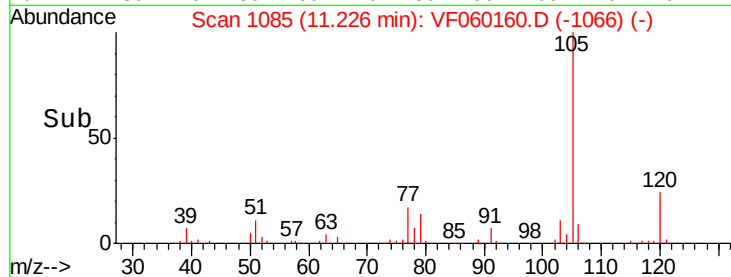
40000

20000

0

Time-->

11.20 11.40



#74

N-ethyl acetate

Concen: 8.86 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Tgt Ion: 43 Resp: 9367

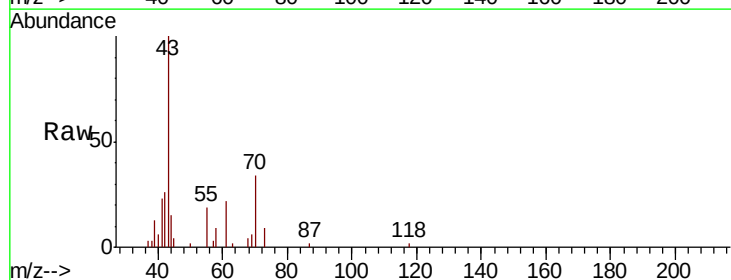
Ion Ratio Lower Upper

43 100

70 34.3 26.4 39.6

55 19.5 15.0 22.4

61 21.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

8000

6000

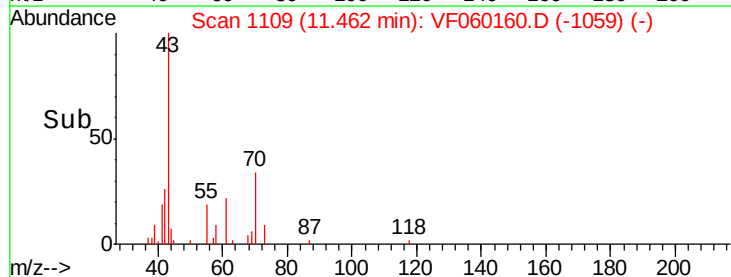
4000

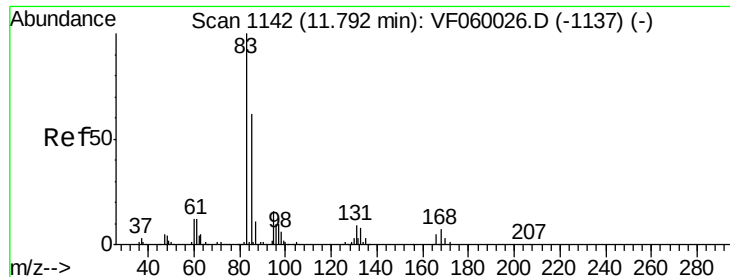
2000

0

Time-->

11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 12.03 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

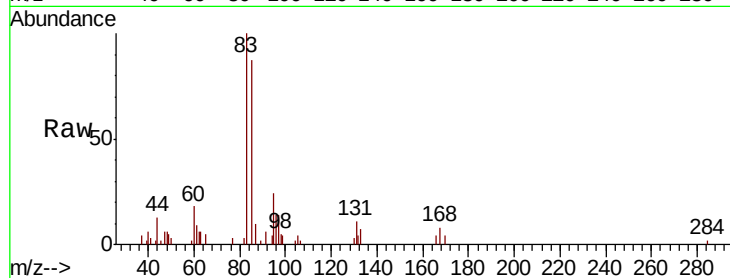
Tot Ion: 83 Resp: 8943

Ion Ratio Lower Upper

83 100

131 10.7 4.5 13.7

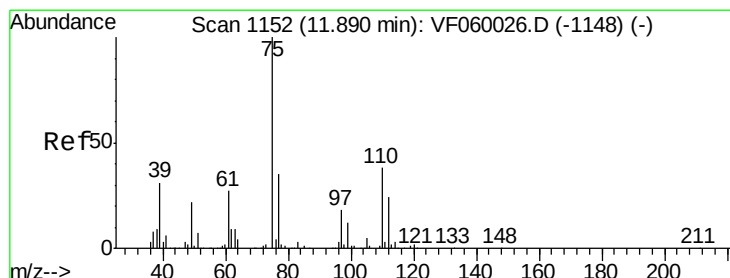
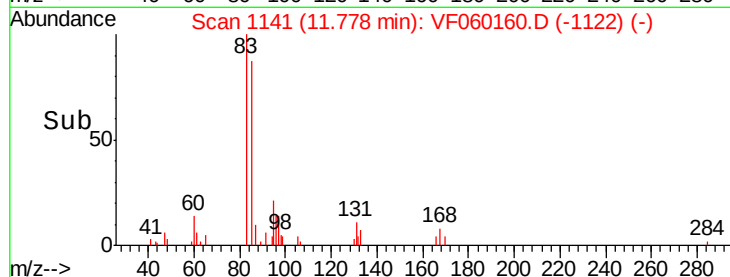
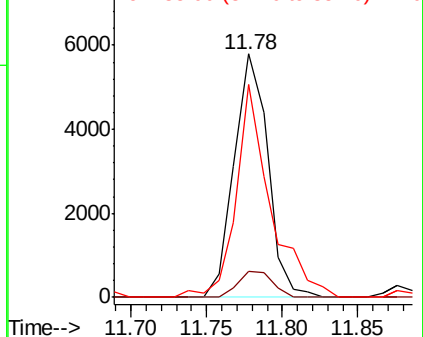
85 87.3 31.3 93.9



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: 13.41 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060160.D

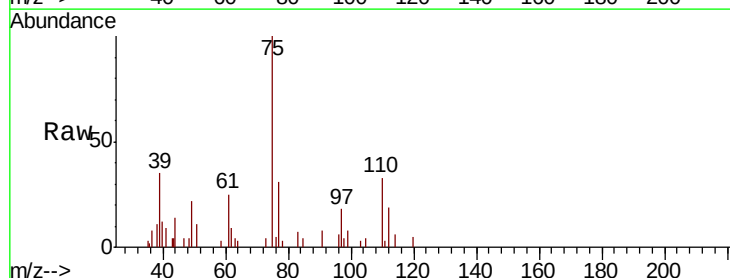
Acq: 28 Aug 2018 19:58

Tgt Ion: 75 Resp: 7728

Ion Ratio Lower Upper

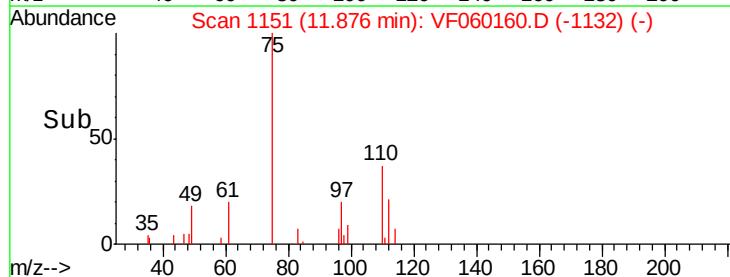
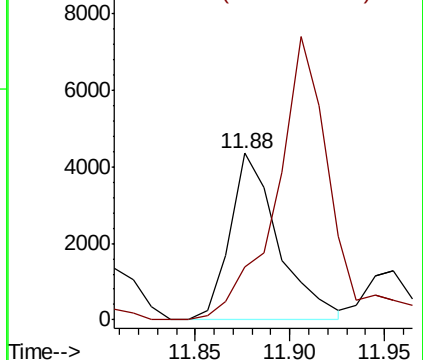
75 100

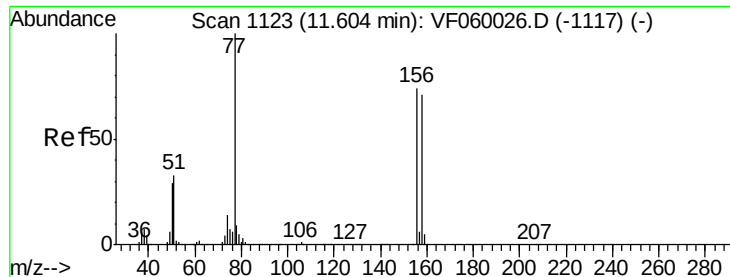
77 31.4 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.43 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

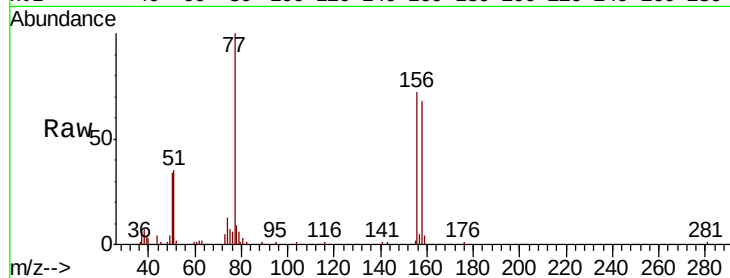
Tot Ion:156 Resp: 18905

Ion Ratio Lower Upper

156 100

77 138.0 68.0 204.0

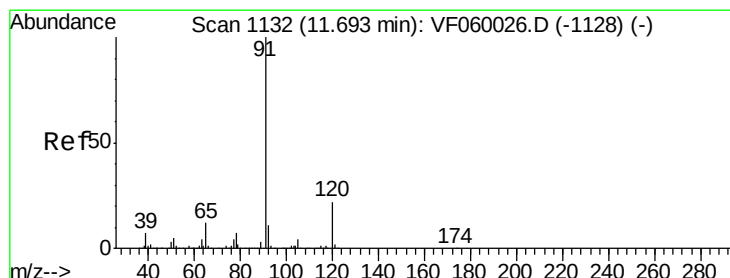
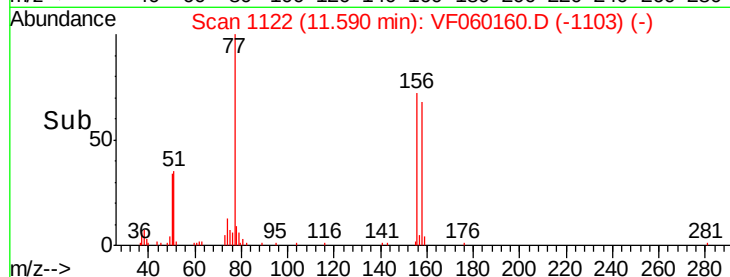
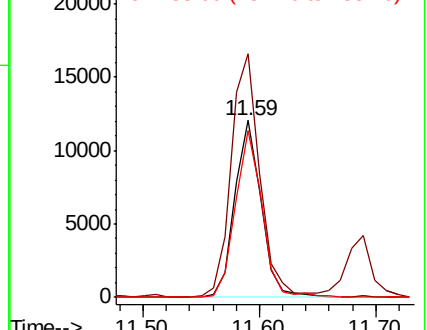
158 94.2 48.4 145.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 34.19 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060160.D

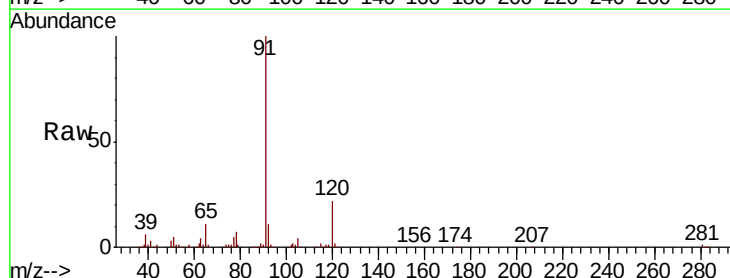
Acq: 28 Aug 2018 19:58

Tgt Ion: 91 Resp: 143603

Ion Ratio Lower Upper

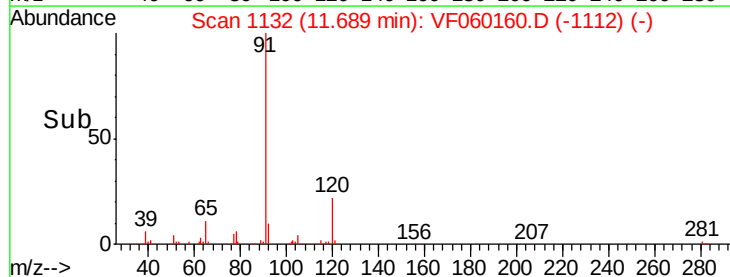
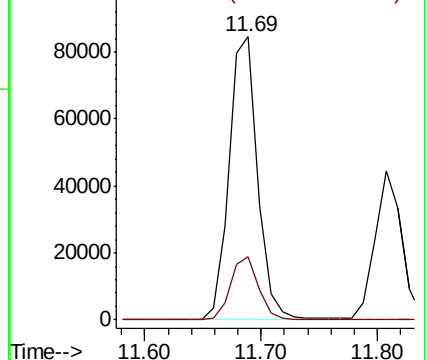
91 100

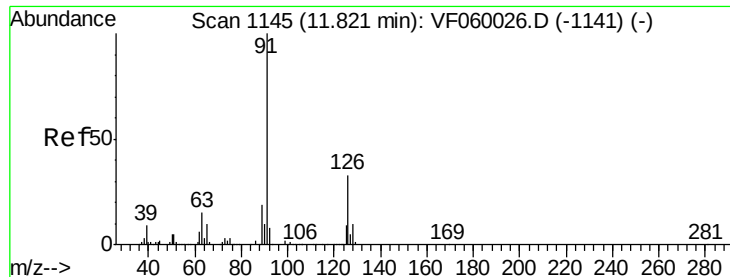
120 22.2 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

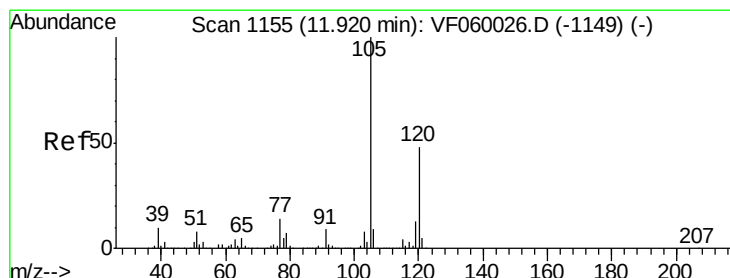
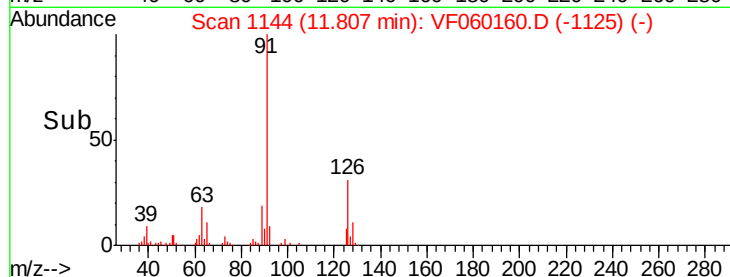
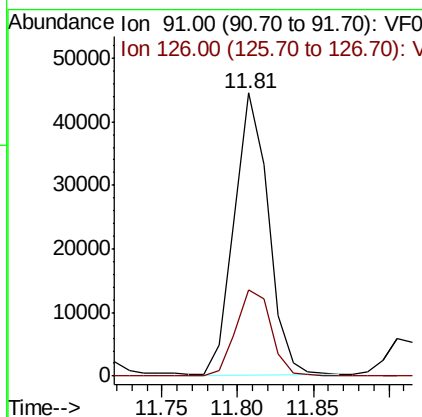
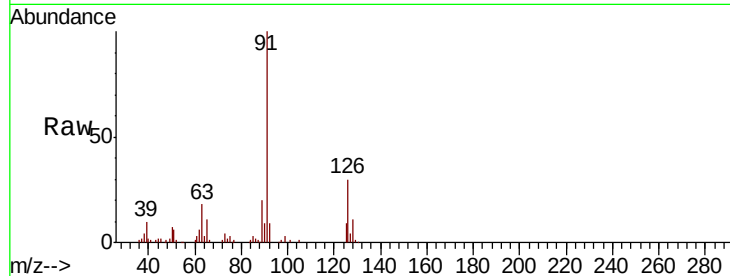




#79
 2-Chlorotoluene
 Concen: 28.21 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

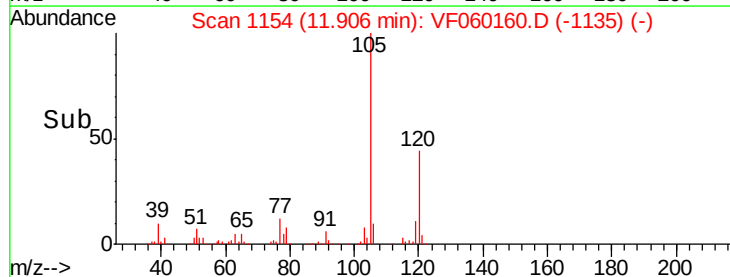
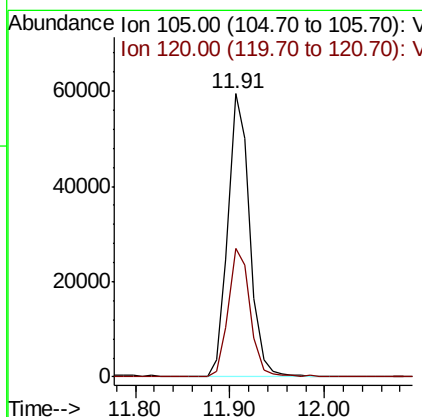
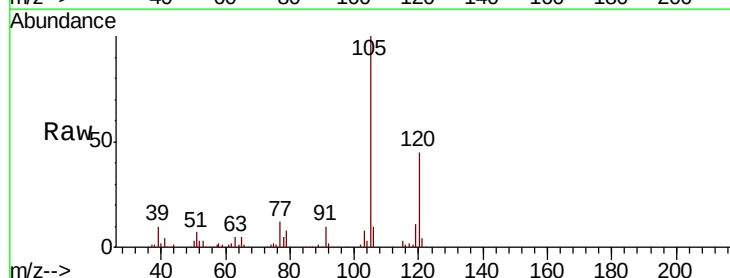
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

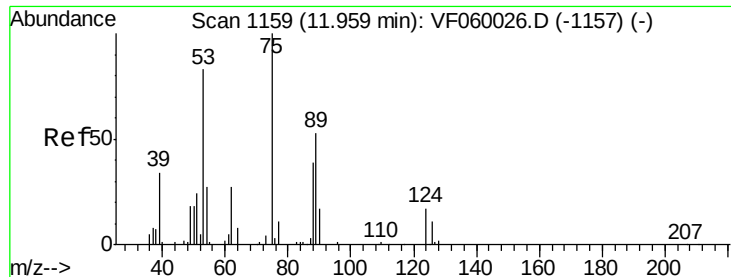
Tot Ion: 91 Resp: 69672
 Ion Ratio Lower Upper
 91 100
 126 30.4 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 32.10 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion:105 Resp: 95166
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.8 71.5

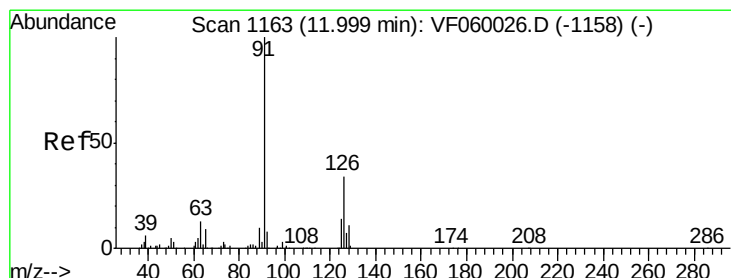
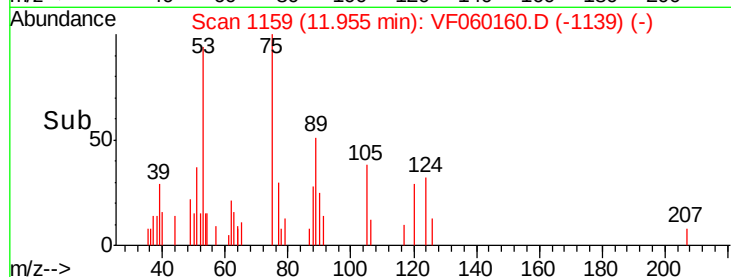
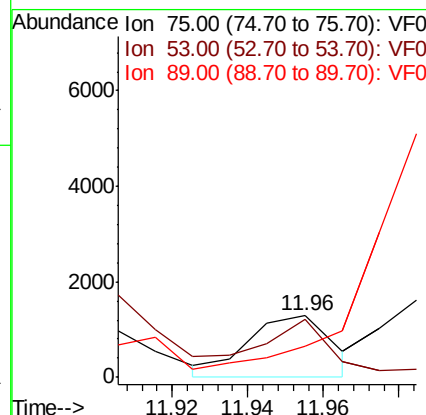
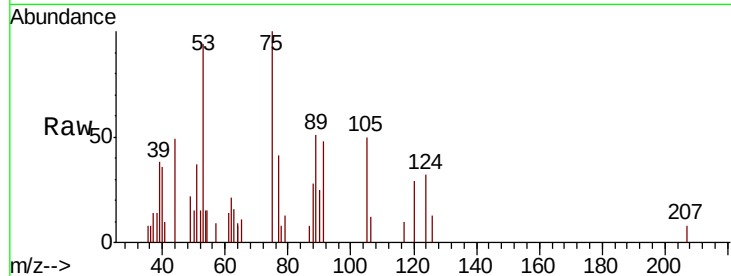




#81
trans-1,4-Dichloro-2-butene
Concen: 7.58 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

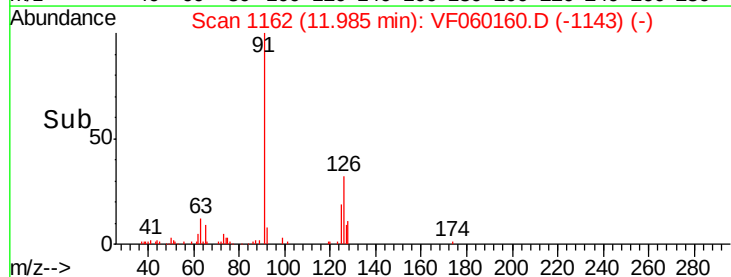
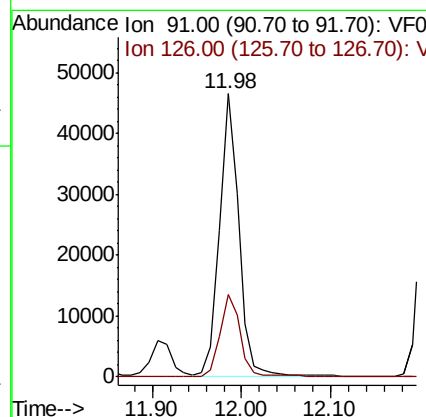
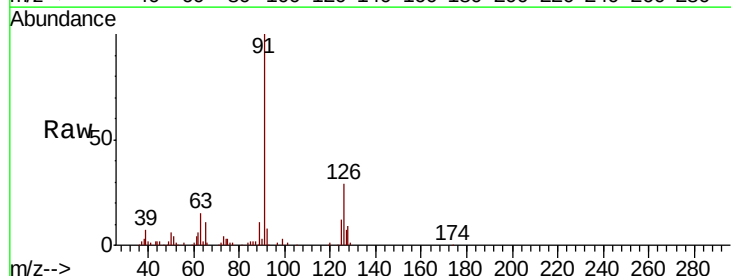
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

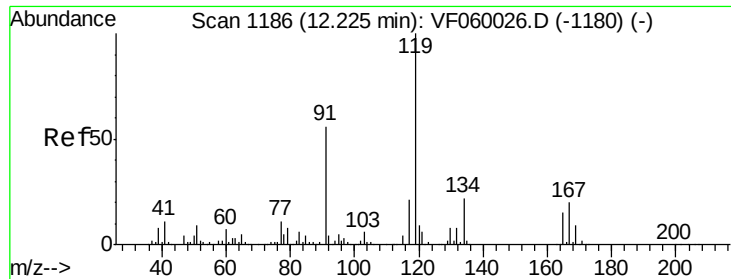
Tot Ion: 75 Resp: 2000
Ion Ratio Lower Upper
75 100
53 93.6 66.2 99.4
89 51.2 42.8 64.2



#82
4-Chlorotoluene
Concen: 26.70 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion: 91 Resp: 71582
Ion Ratio Lower Upper
91 100
126 29.0 17.0 50.9

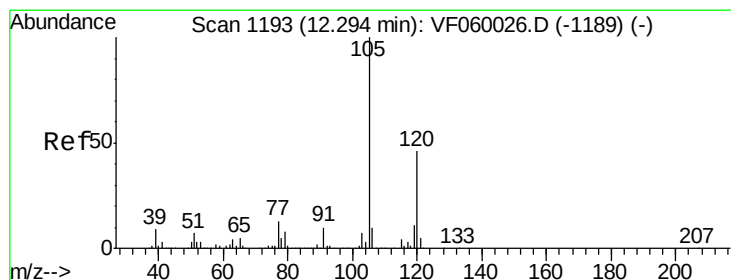
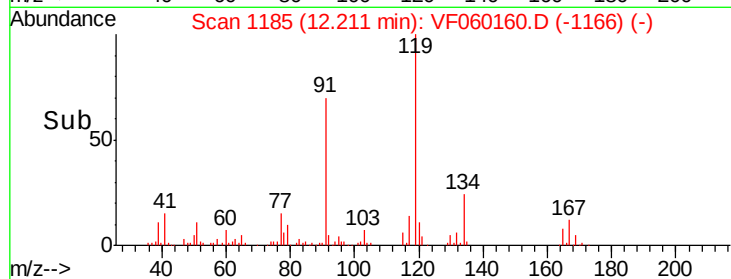
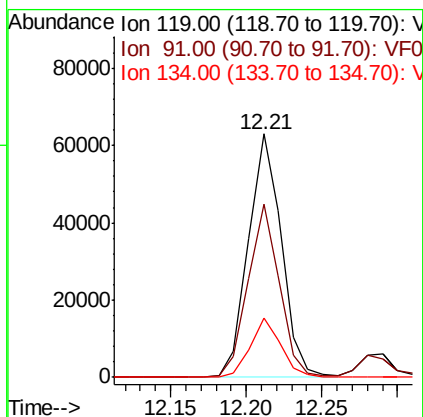
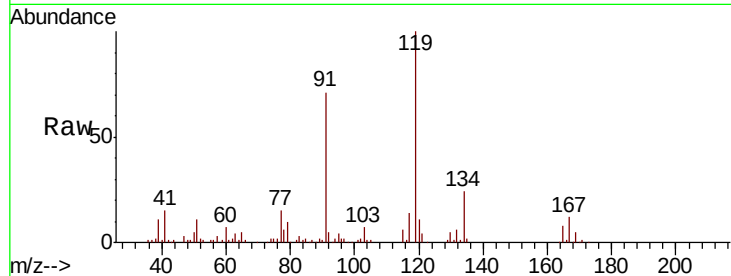




#83
tert-Butylbenzene
Concen: 33.30 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

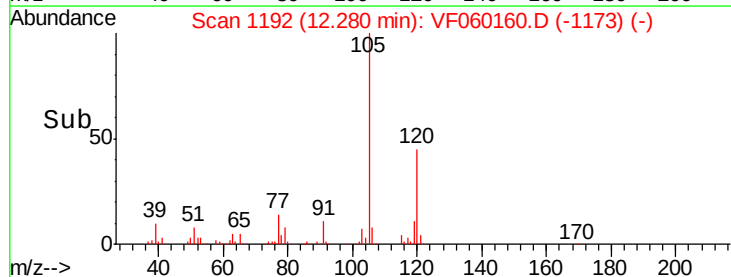
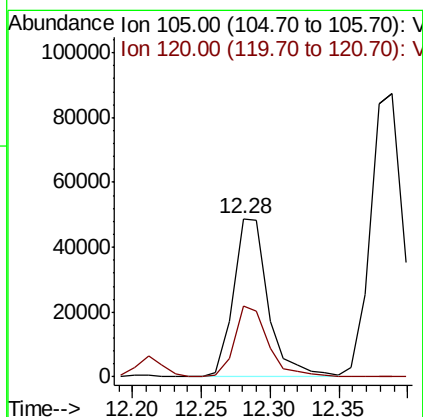
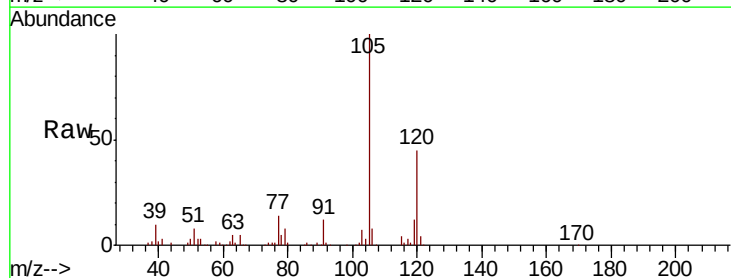
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

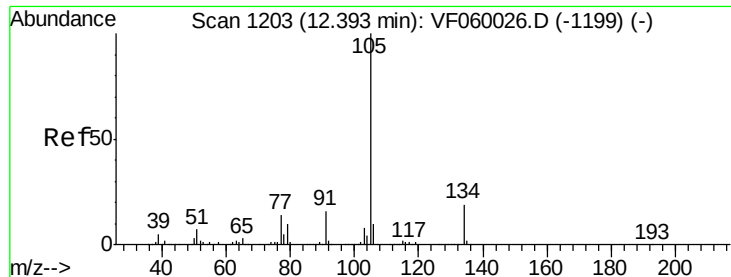
Tot Ion:119 Resp: 96287
Ion Ratio Lower Upper
119 100
91 71.3 28.1 84.3
134 24.4 11.1 33.3



#84
1,2,4-Trimethylbenzene
Concen: 27.44 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion:105 Resp: 86490
Ion Ratio Lower Upper
105 100
120 44.8 23.3 69.8

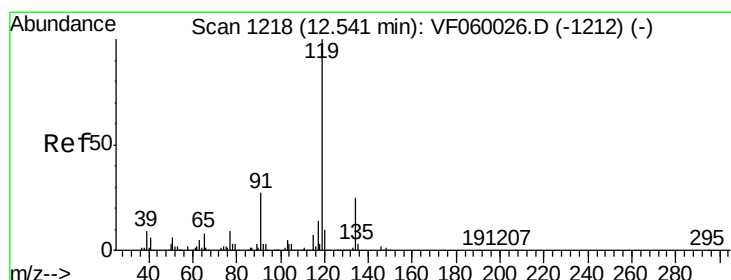
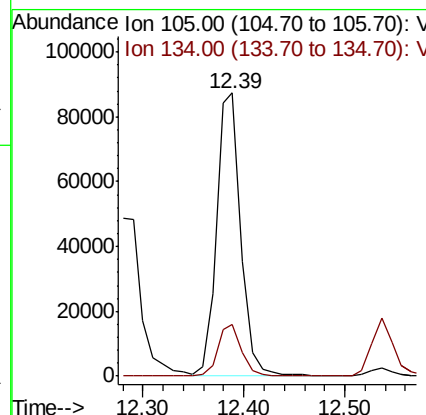
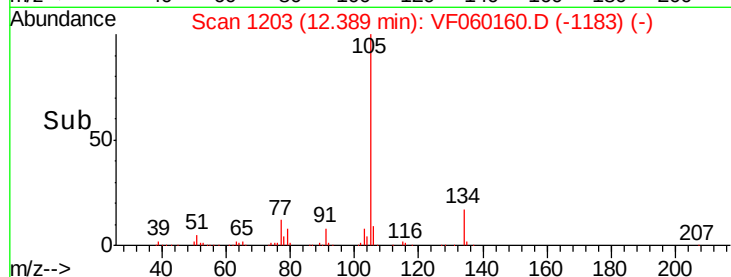
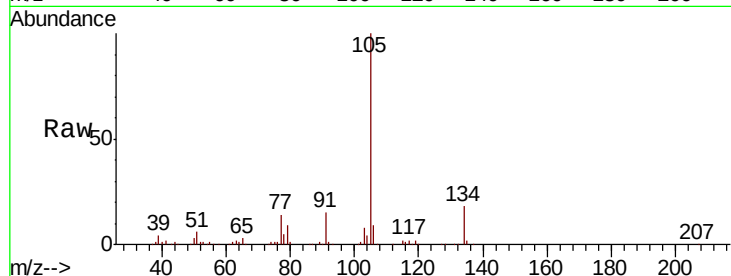




#85
 sec-Butylbenzene
 Concen: 36.42 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

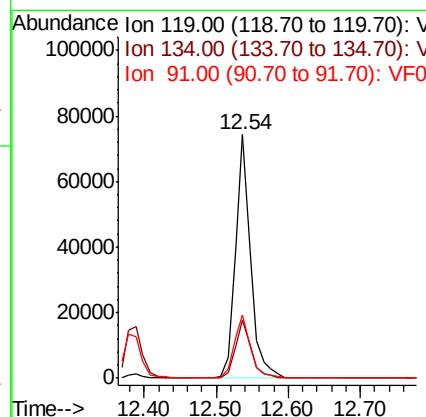
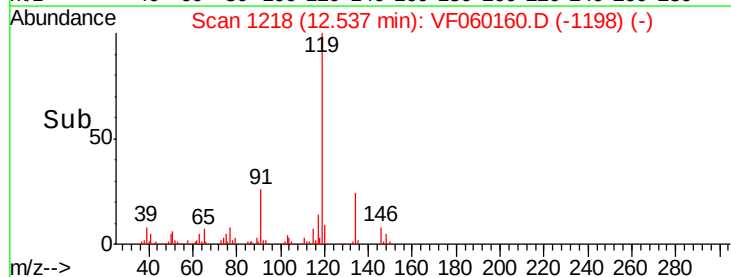
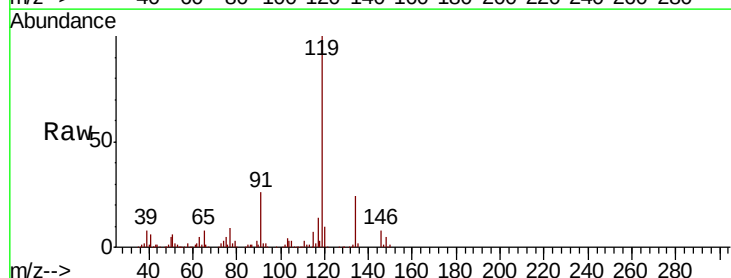
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

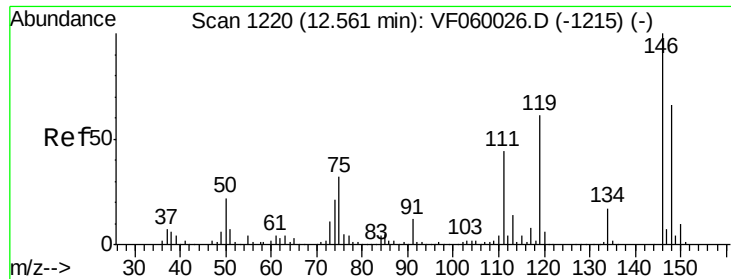
Tot Ion:105 Resp: 146588
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 32.31 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion:119 Resp: 107899
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.4 37.2
 91 26.2 13.5 40.4

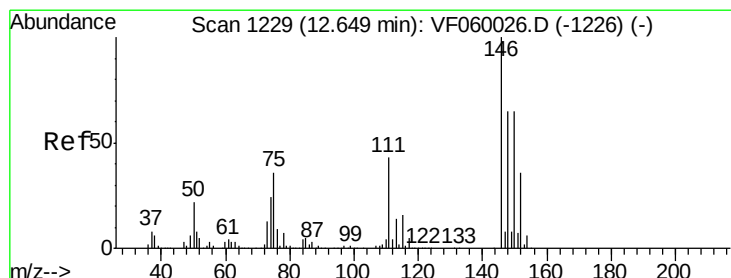
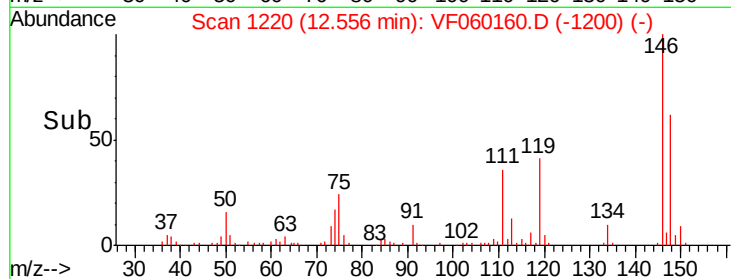
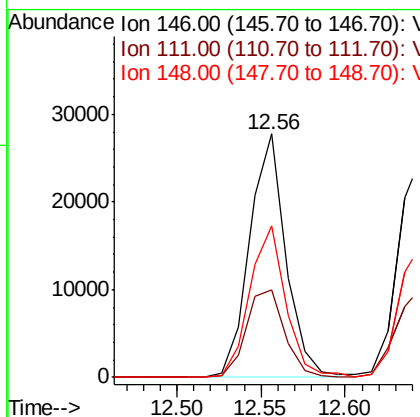
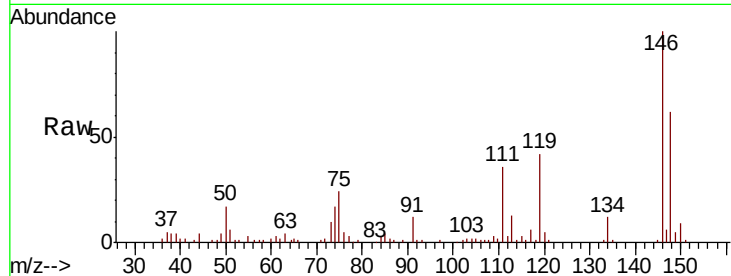




#87
 1,3-Dichlorobenzene
 Concen: 24.23 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

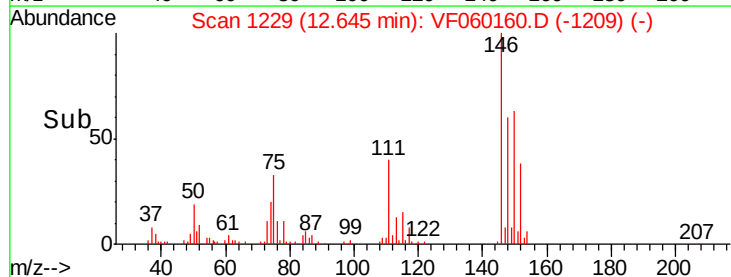
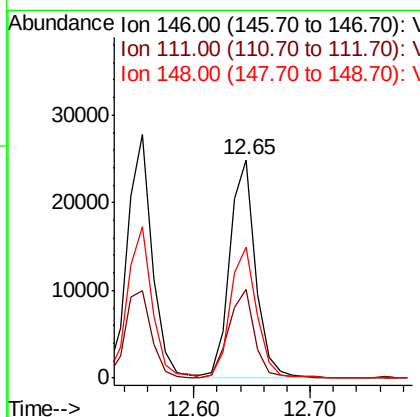
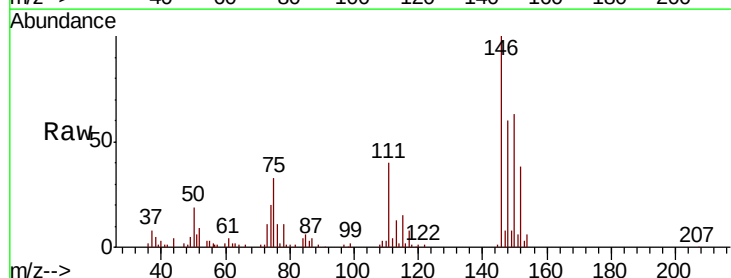
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

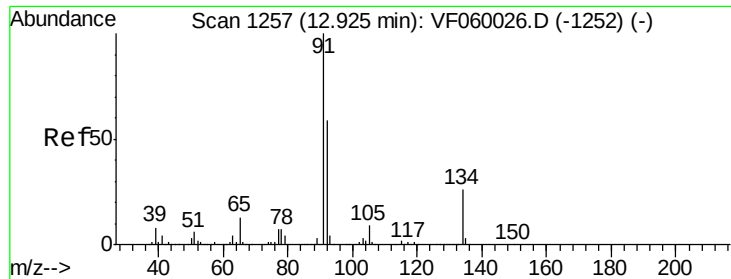
Tot Ion:146 Resp: 41464
 Ion Ratio Lower Upper
 146 100
 111 36.0 21.9 65.5
 148 62.1 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 22.67 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion:146 Resp: 38544
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.6 64.8
 148 59.9 32.3 96.8





#89

n-Butylbenzene

Concen: 30.02 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060160.D

Acq: 28 Aug 2018 19:58

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS02

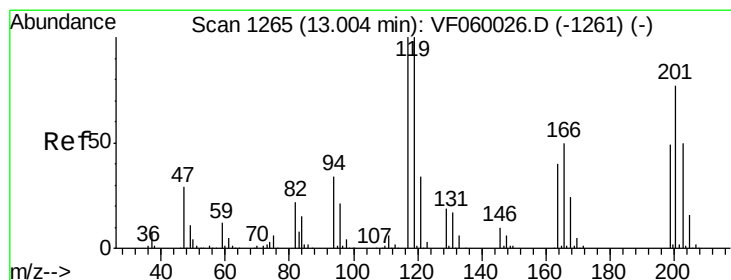
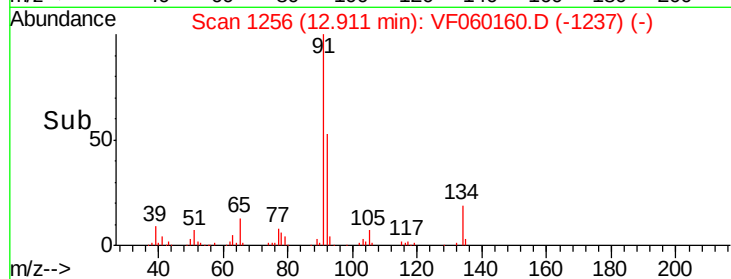
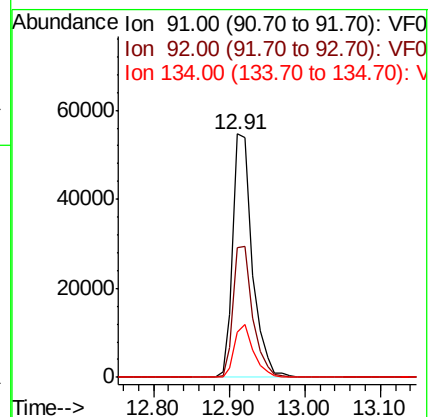
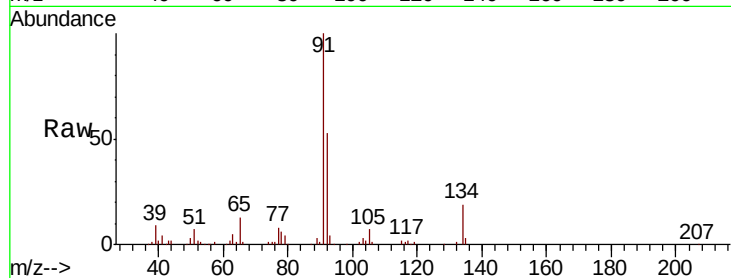
Tot Ion: 91 Resp: 97392

Ion Ratio Lower Upper

91 100

92 53.4 29.3 87.9

134 18.7 12.8 38.3



#90

Hexachloroethane

Concen: 30.99 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF060160.D

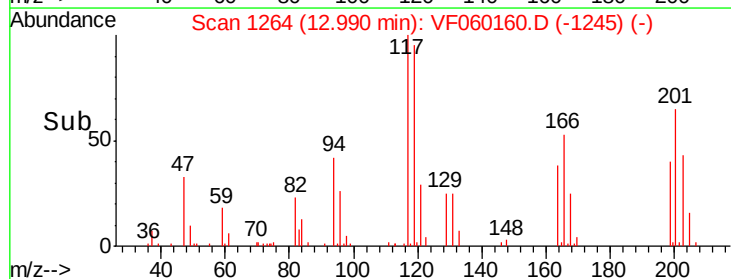
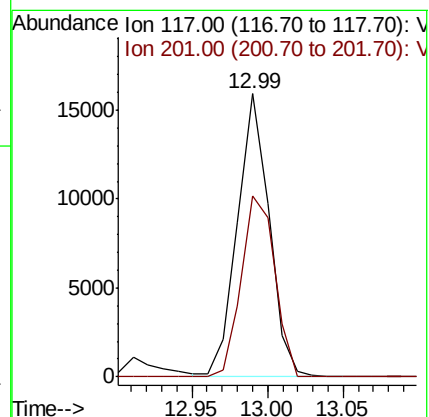
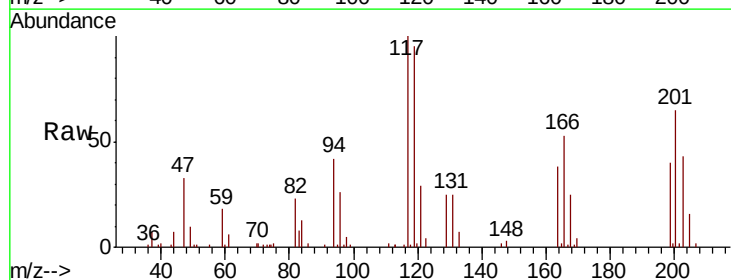
Acq: 28 Aug 2018 19:58

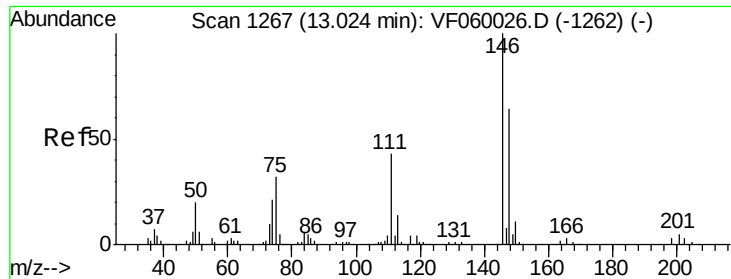
Tgt Ion: 117 Resp: 23259

Ion Ratio Lower Upper

117 100

201 63.9 38.6 115.8

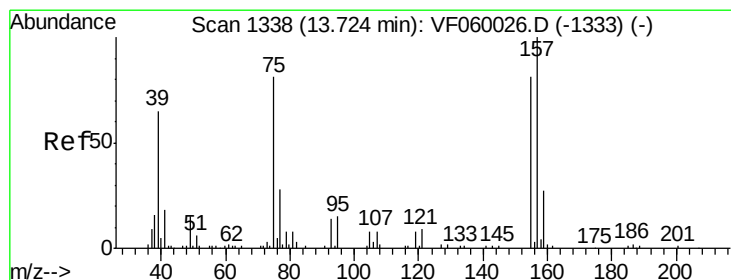
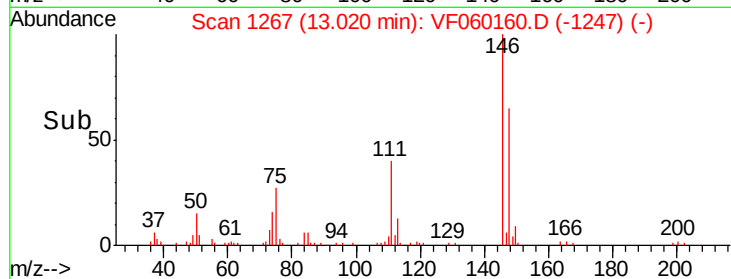
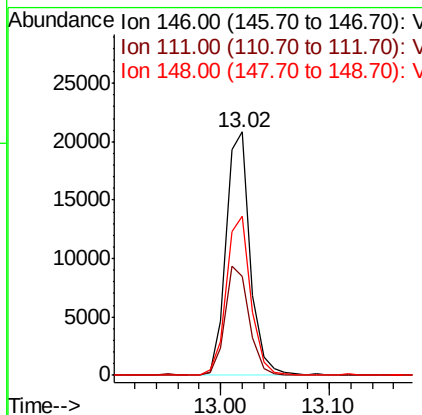
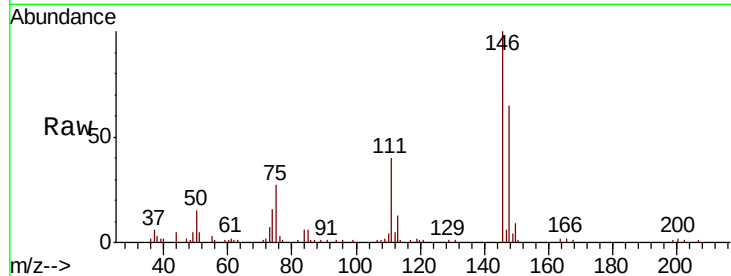




#91
 1,2-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

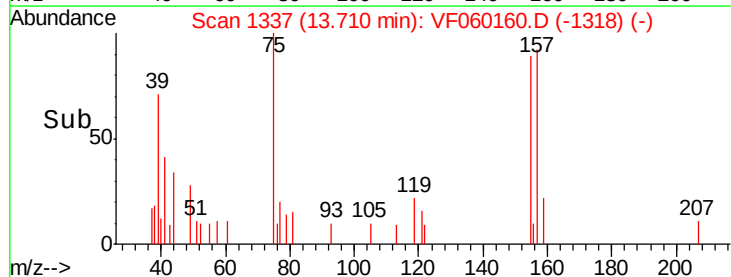
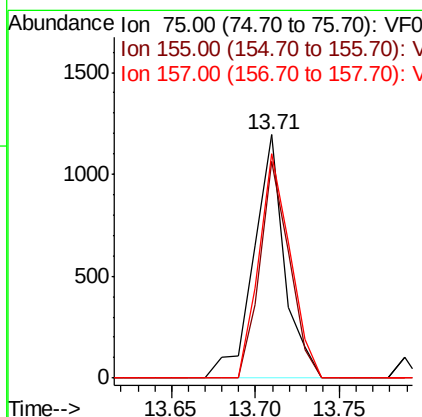
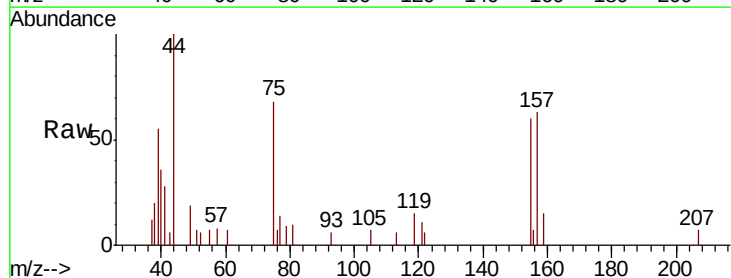
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

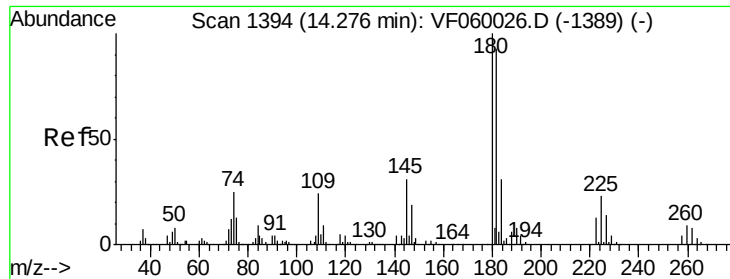
Tot Ion:146 Resp: 32314
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.6 64.6
 148 65.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.95 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion: 75 Resp: 1511
 Ion Ratio Lower Upper
 75 100
 155 89.0 49.8 149.3
 157 92.3 61.6 184.7

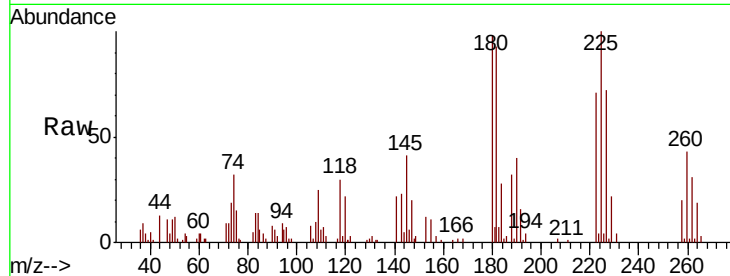




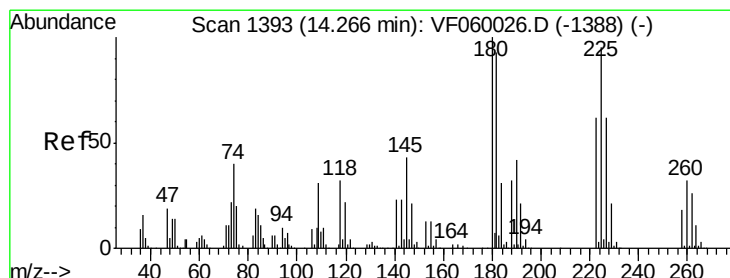
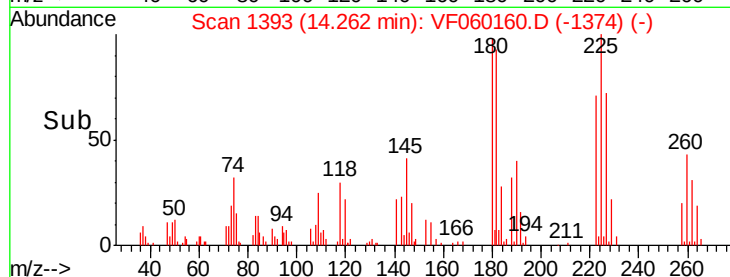
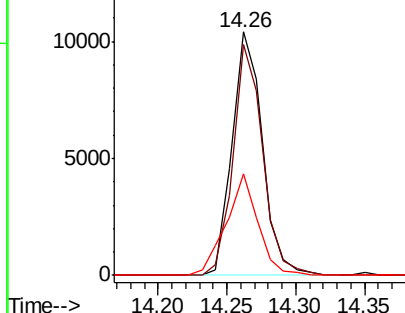
#93
 1,2,4-Trichlorobenzene
 Concen: 13.18 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS02

Tot Ion:180 Resp: 15966
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.8 140.3
 145 41.9 15.4 46.4

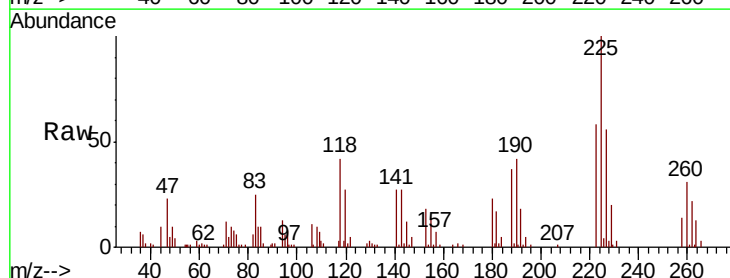


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

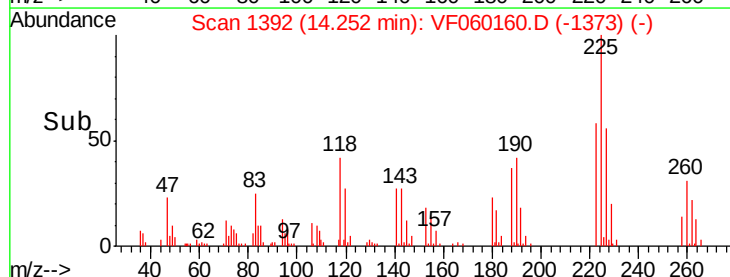
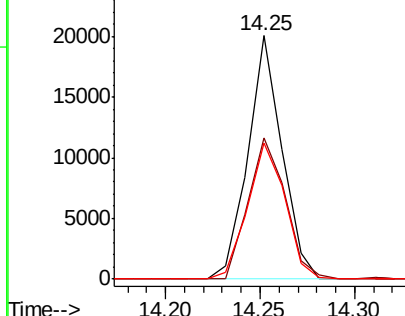


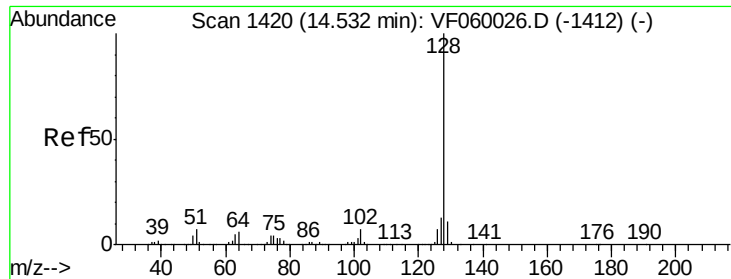
#94
 Hexachlorobutadiene
 Concen: 33.15 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060160.D
 Acq: 28 Aug 2018 19:58

Tgt Ion:225 Resp: 25005
 Ion Ratio Lower Upper
 225 100
 223 57.8 32.6 97.8
 227 56.1 33.0 98.9



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

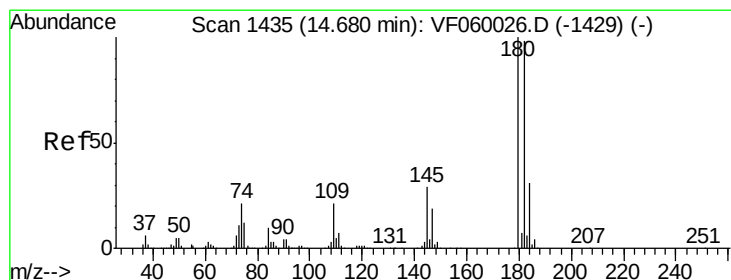
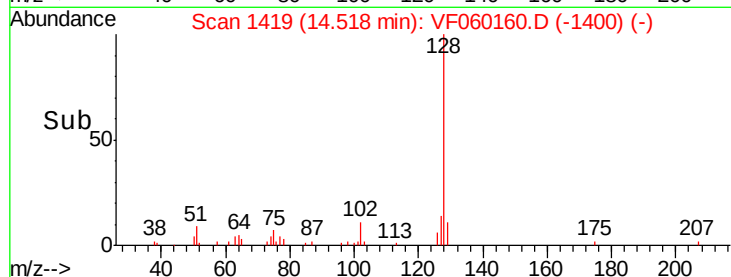
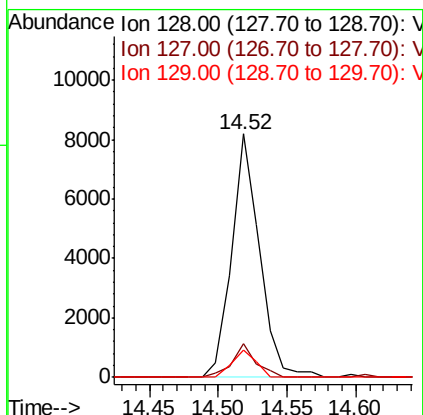
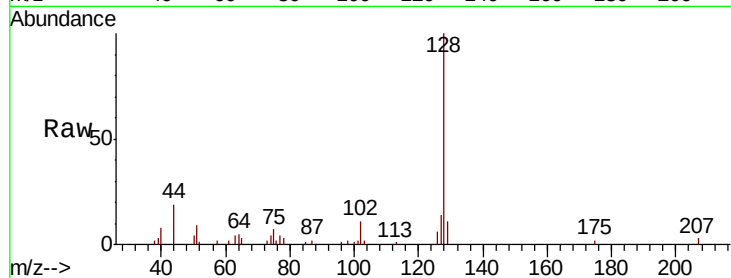




#95
Naphthalene
Concen: 7.52 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	11.1	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 8.44 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF060160.D
Acq: 28 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.6	49.0	147.2
145	22.0	14.4	43.2

