

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060136.D
 Acq On : 27 Aug 2018 20:25
 Operator : VA/AP
 Sample : VF0827SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

Quant Time: Aug 28 01:14:21 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	5.03	168	109537	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	136156	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	119703	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	66425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	39724	26.50	ug/l	-0.03
Spiked Amount			Recovery	=	53.00%	
35) Dibromofluoromethane	4.27	113	47019	43.98	ug/l	-0.03
Spiked Amount			Recovery	=	87.96%	
50) Toluene-d8	7.70	98	149670	49.29	ug/l	-0.02
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.51	95	61491	38.28	ug/l	0.00
Spiked Amount			Recovery	=	76.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	41558	28.82	ug/l	98
3) Chloromethane	1.08	50	19876	18.94	ug/l	93
4) Vinyl Chloride	1.13	62	17594	19.65	ug/l	100
5) Bromomethane	1.32	94	8856	13.02	ug/l	89
6) Chloroethane	1.40	64	10550	29.89	ug/l	97
7) Trichlorofluoromethane	1.48	101	76341	42.40	ug/l	99
8) Diethyl Ether	1.69	74	3767	11.70	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	1.86	101	35638	37.71	ug/l	97
10) Methyl Iodide	1.93	142	18810	15.05	ug/l	92
11) Tert butyl alcohol	2.67	59	101	1.27	ug/l #	80
12) 1,1-Dichloroethene	1.83	96	23387	33.59	ug/l	90
13) Acrolein	2.07	56	1082	46.19	ug/l	99
14) Allyl chloride	2.18	41	17955	14.52	ug/l	85
15) Acrylonitrile	3.05	53	5110	32.47	ug/l #	80
16) Acetone	2.31	43	13254	33.64	ug/l #	77
17) Carbon Disulfide	1.85	76	65958	30.25	ug/l	98
18) Methyl Acetate	2.43	43	4844	3.36	ug/l	93
19) Methyl tert-butyl Ether	2.51	73	20649	9.26	ug/l #	86
20) Methylene Chloride	2.27	84	13739	14.02	ug/l #	78
21) trans-1,2-Dichloroethene	2.41	96	21072	27.05	ug/l #	74
22) Diisopropyl ether	2.89	45	39431	14.24	ug/l #	89
23) Vinyl Acetate	3.30	43	56936	38.81	ug/l	99
24) 1,1-Dichloroethane	2.99	63	33902	19.82	ug/l	96
25) 2-Butanone	4.55	43	15407	30.10	ug/l	92
26) 2,2-Dichloropropane	3.75	77	19558	11.05	ug/l #	75
27) cis-1,2-Dichloroethene	3.62	96	15686	14.21	ug/l	89
28) Bromochloromethane	3.87	49	7723	10.69	ug/l #	77
29) Tetrahydrofuran	4.21	42	6459	33.43	ug/l	93
30) Chloroform	4.01	83	42393	17.65	ug/l	95
31) Cyclohexane	3.86	56	31063	23.83	ug/l #	82
32) 1,1,1-Trichloroethane	4.26	97	53743	26.14	ug/l	94
36) 1,1-Dichloropropene	4.44	75	35857	28.02	ug/l	92
37) Ethyl Acetate	4.25	43	6622	8.65	ug/l #	1
38) Carbon Tetrachloride	4.16	117	49544	33.44	ug/l	97

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

Instrument :
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 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	36748	30.63	ug/l	92
40) Benzene	4.80	78	54560	19.52	ug/l	95
41) Methacrylonitrile	4.88	41	3336	8.62	ug/l #	89
42) 1,2-Dichloroethane	5.10	62	21410	14.29	ug/l	98
43) Isopropyl Acetate	7.09	43	7733	8.03	ug/l #	91
44) Trichloroethene	5.66	130	23728	25.68	ug/l	92
45) 1,2-Dichloropropane	6.39	63	13596	17.20	ug/l	98
46) Dibromomethane	6.24	93	7341	11.87	ug/l #	80
47) Bromodichloromethane	6.54	83	24599	16.46	ug/l #	86
48) Methyl methacrylate	6.85	41	5173	8.12	ug/l #	82
49) 1,4-Dioxane	6.83	88	1033	168.84	ug/l #	63
51) 4-Methyl-2-Pentanone	8.38	43	38055	45.76	ug/l	98
52) Toluene	7.77	92	47018	23.55	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	15913	11.74	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	18990	12.56	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	9334	12.38	ug/l	89
56) Ethyl methacrylate	8.75	69	7992	8.75	ug/l	95
57) 1,3-Dichloropropane	8.99	76	15338	11.57	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	9232	127.41	ug/l	100
59) 2-Hexanone	9.61	43	24913	37.01	ug/l	99
60) Dibromochloromethane	8.84	129	15015	13.49	ug/l	92
61) 1,2-Dibromoethane	9.13	107	8396	9.48	ug/l	94
64) Tetrachloroethene	8.30	164	27537	34.15	ug/l	92
65) Chlorobenzene	9.93	112	53348	23.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	18894	22.04	ug/l	93
67) Ethyl Benzene	10.03	91	112901	28.95	ug/l	99
68) m/p-Xylenes	10.26	106	79964	58.84	ug/l	100
69) o-Xylene	10.83	106	36749	24.05	ug/l	97
70) Styrene	10.89	104	49229	21.00	ug/l	96
71) Bromoform	10.88	173	7836	13.10	ug/l	97
73) Isopropylbenzene	11.22	105	137937	34.50	ug/l	99
74) N-amyl acetate	11.46	43	12835	10.33	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	11760	13.47	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	9481	14.00	ug/l	92
77) Bromobenzene	11.58	156	23451	21.57	ug/l	90
78) n-propylbenzene	11.68	91	171820	34.82	ug/l	100
79) 2-Chlorotoluene	11.80	91	83855	28.90	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	109264	31.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	2245	7.25	ug/l #	71
82) 4-Chlorotoluene	11.98	91	86434	27.43	ug/l	94
83) tert-Butylbenzene	12.21	119	114908	33.82	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	102451	27.66	ug/l	95
85) sec-Butylbenzene	12.38	105	171946	36.35	ug/l	98
86) p-Isopropyltoluene	12.53	119	127738	32.55	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	50132	24.93	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	44594	22.32	ug/l	95
89) n-Butylbenzene	12.92	91	124825	32.74	ug/l	97
90) Hexachloroethane	12.98	117	28278	32.07	ug/l	74
91) 1,2-Dichlorobenzene	13.01	146	40177	20.78	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	1952	10.94	ug/l	70

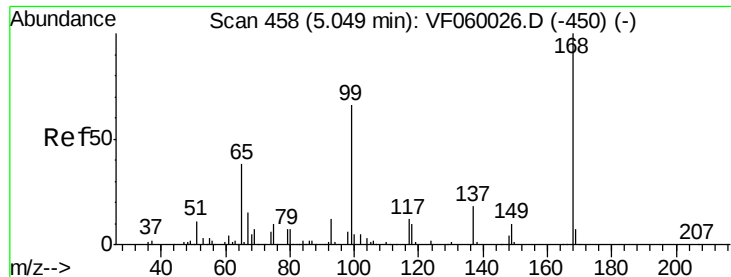
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
Data File : VF060136.D
Acq On : 27 Aug 2018 20:25
Operator : VA/AP
Sample : VF0827SBS01
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Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

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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	14.27	180	23705	16.65	ug/l	93
94) Hexachlorobutadiene	14.25	225	31657	35.72	ug/l	99
95) Naphthalene	14.52	128	19855	9.96	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	18984	13.97	ug/l	92

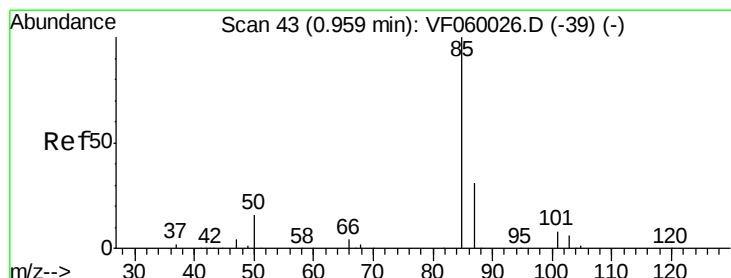
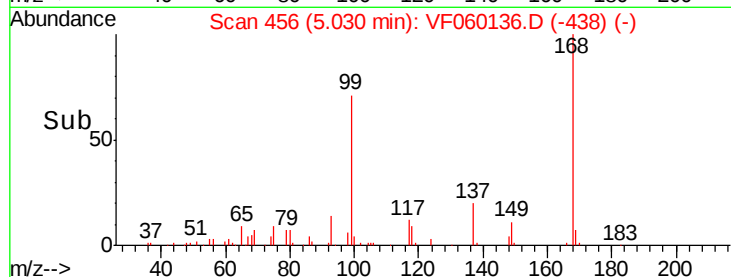
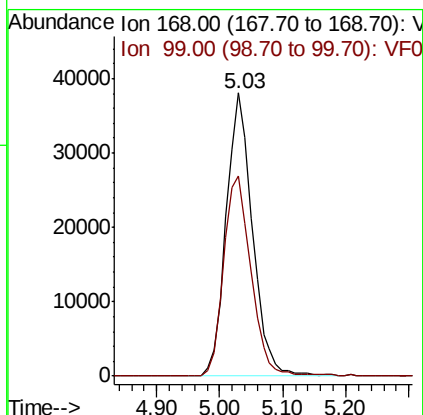
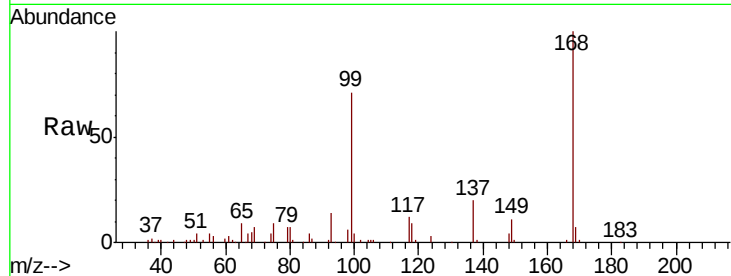
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

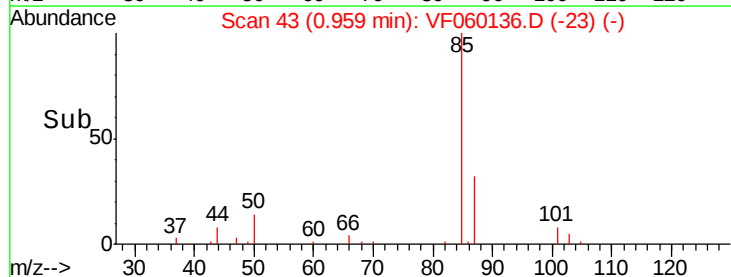
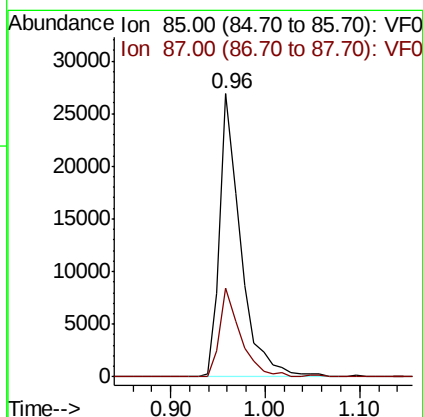
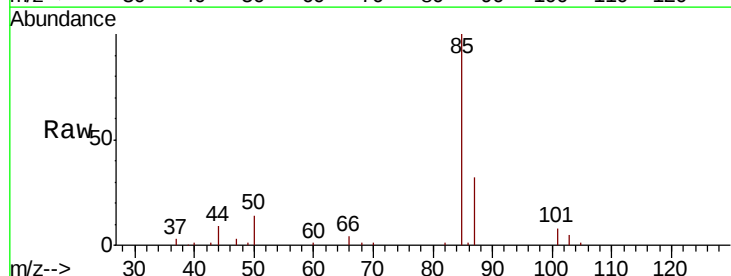
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

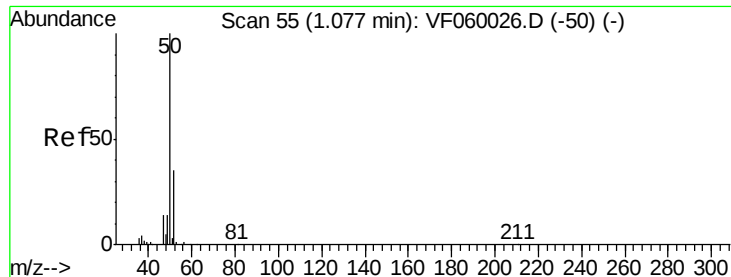
Tot Ion:168 Resp: 109537
Ion Ratio Lower Upper
168 100
99 70.6 52.6 79.0



#2
Dichlorodifluoromethane
Concen: 28.82 ug/l
RT: 0.96 min Scan# 43
Delta R.T. 0.00 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion: 85 Resp: 41558
Ion Ratio Lower Upper
85 100
87 31.6 15.3 45.9





#3

Chloromethane

Concen: 18.94 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

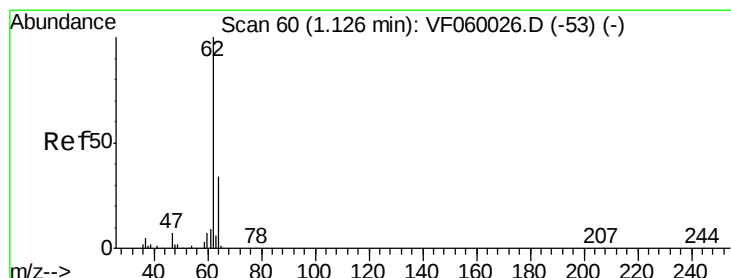
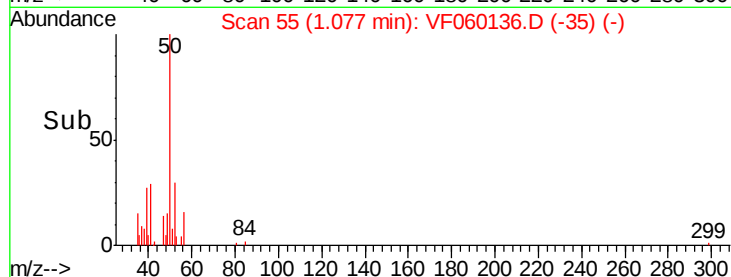
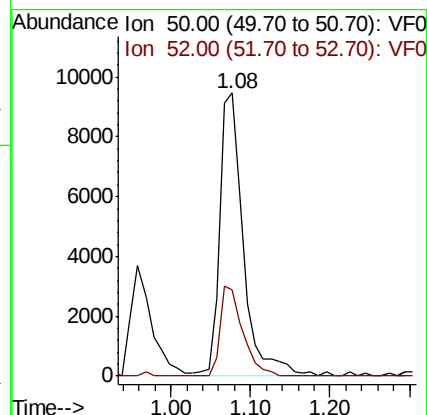
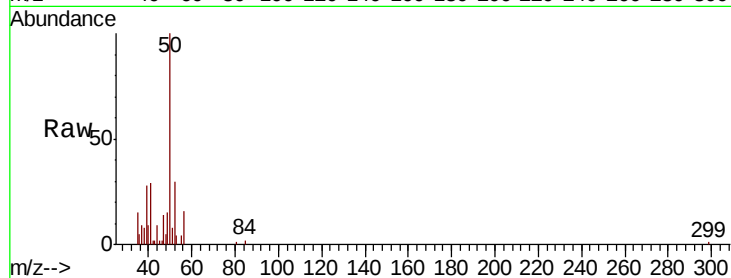
VF0827SBS01

Tot Ion: 50 Resp: 19876

Ion Ratio Lower Upper

50 100

52 30.3 27.6 41.4



#4

Vinyl Chloride

Concen: 19.65 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060136.D

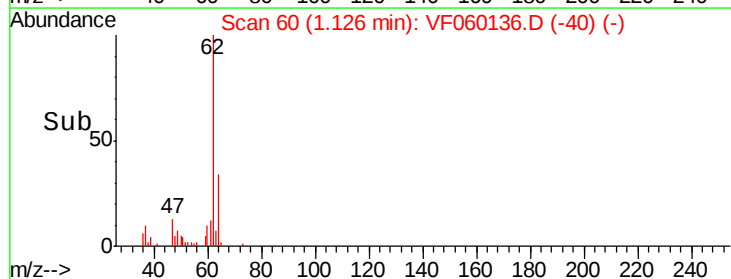
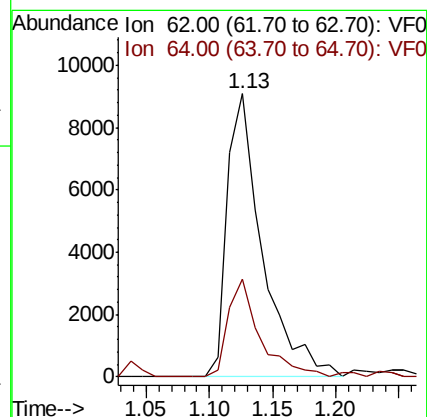
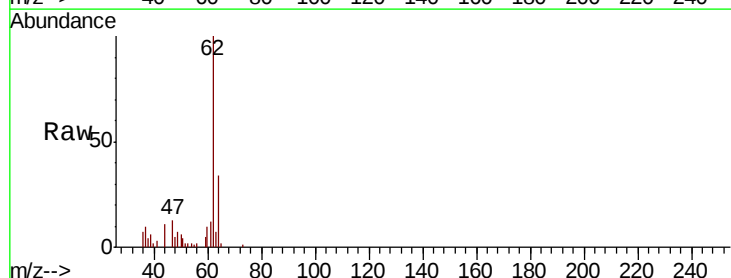
Acq: 27 Aug 2018 20:25

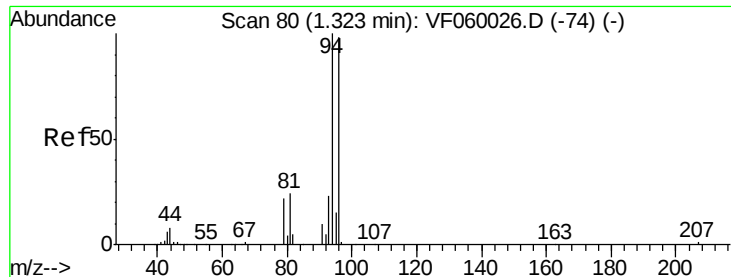
Tgt Ion: 62 Resp: 17594

Ion Ratio Lower Upper

62 100

64 34.5 27.4 41.2





#5

Bromomethane

Concen: 13.02 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

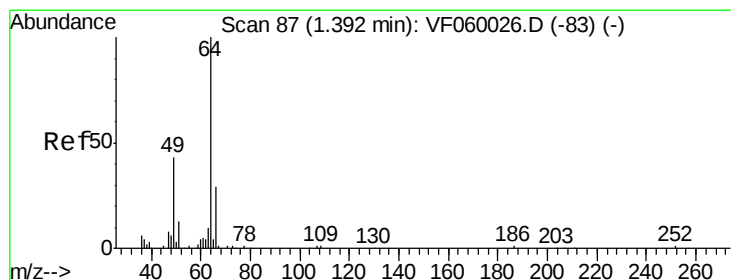
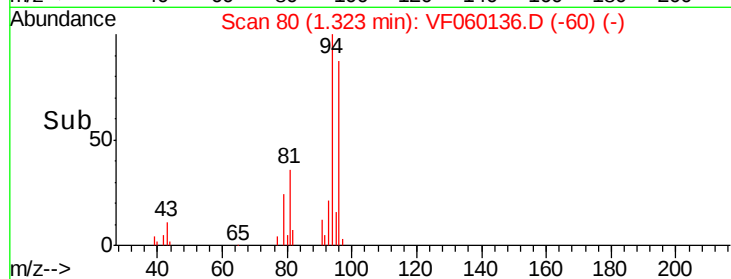
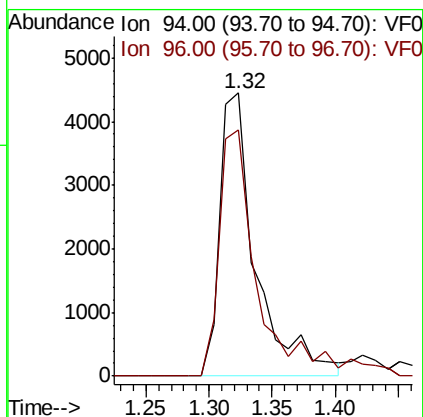
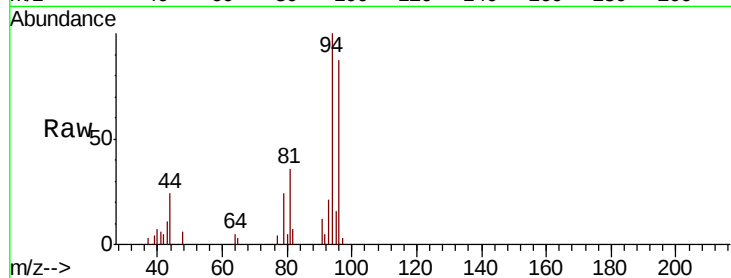
VF0827SBS01

Tot Ion: 94 Resp: 8856

Ion Ratio Lower Upper

94 100

96 87.0 78.6 118.0



#6

Chloroethane

Concen: 29.89 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060136.D

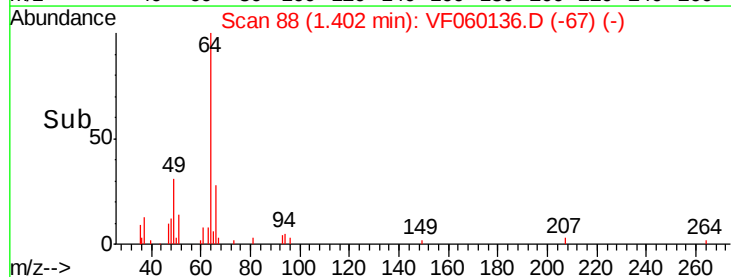
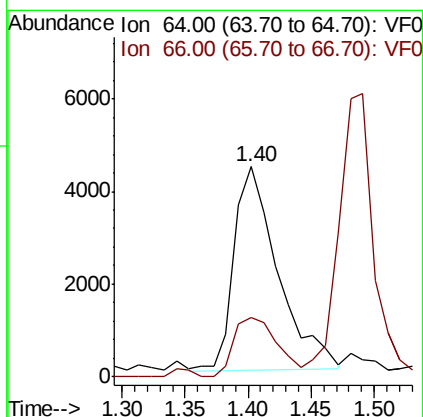
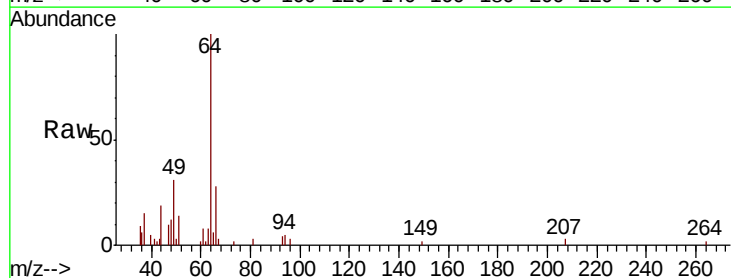
Acq: 27 Aug 2018 20:25

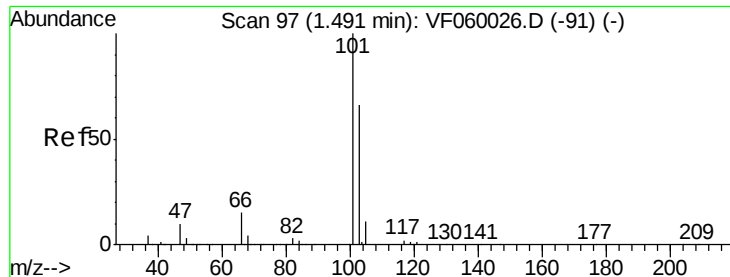
Tgt Ion: 64 Resp: 10550

Ion Ratio Lower Upper

64 100

66 28.4 24.1 36.1





#7

Trichlorofluoromethane

Concen: 42.40 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

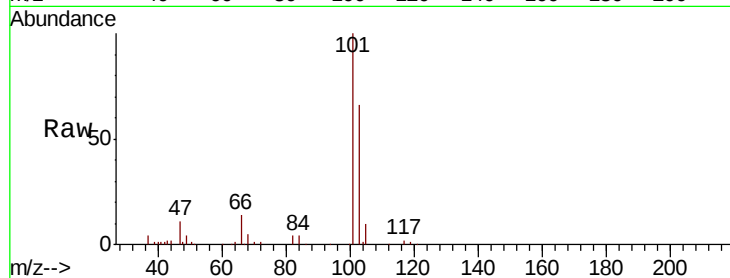
VF0827SBS01

Tot Ion:101 Resp: 76341

Ion Ratio Lower Upper

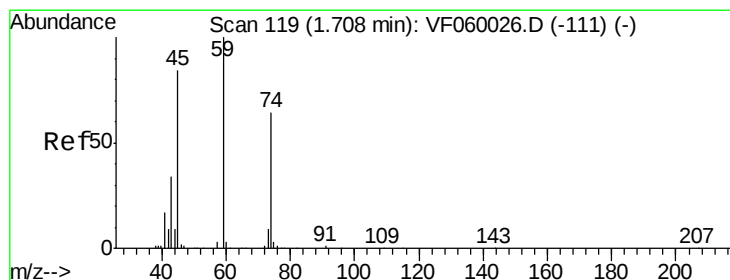
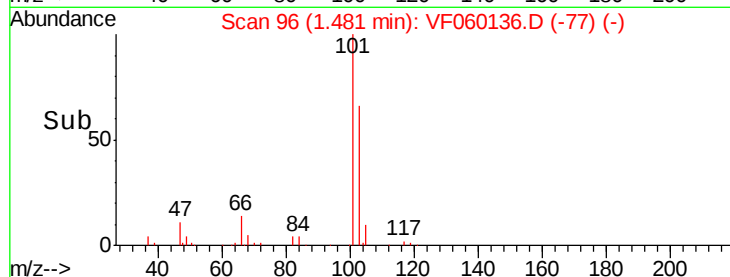
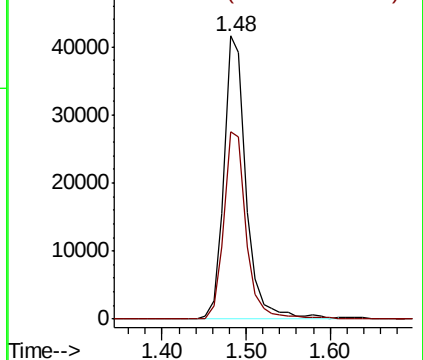
101 100

103 66.2 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: 11.70 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF060136.D

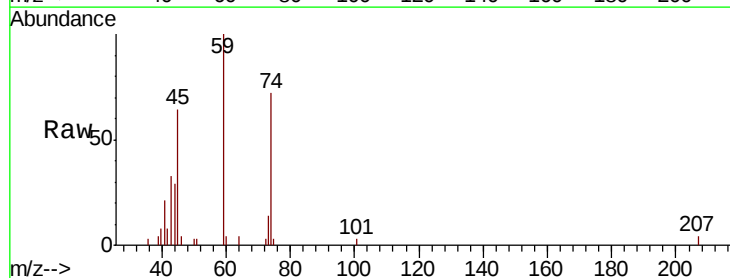
Acq: 27 Aug 2018 20:25

Tgt Ion: 74 Resp: 3767

Ion Ratio Lower Upper

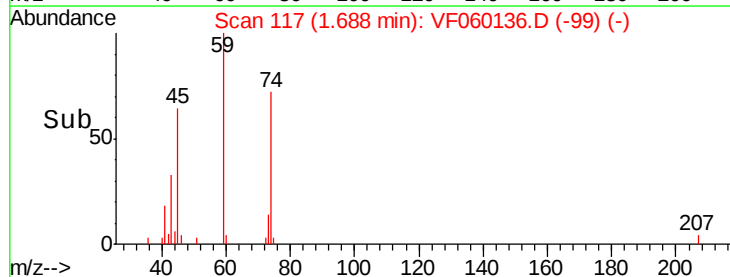
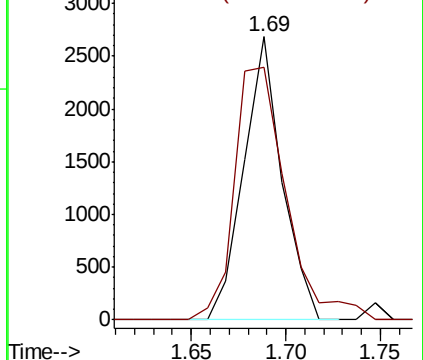
74 100

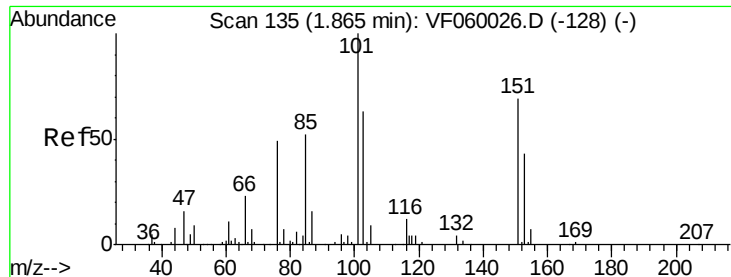
45 89.3 66.0 198.0



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: 37.71 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

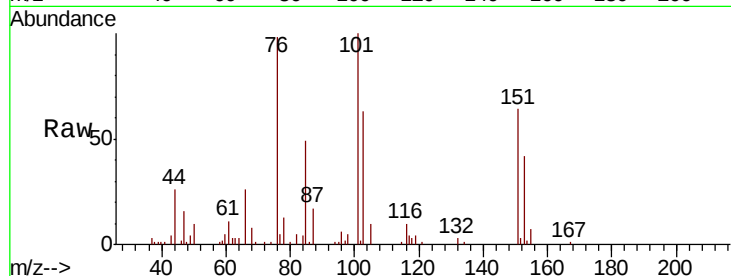
Tot Ion:101 Resp: 35638

Ion Ratio Lower Upper

101 100

85 49.4 41.5 62.3

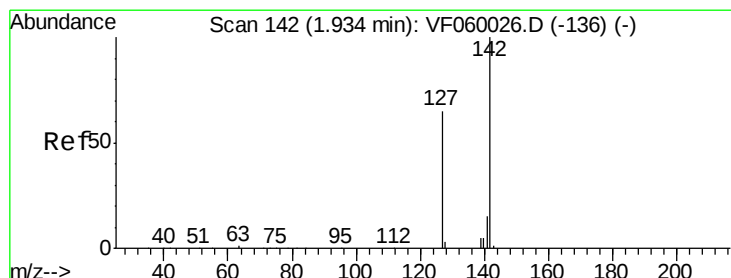
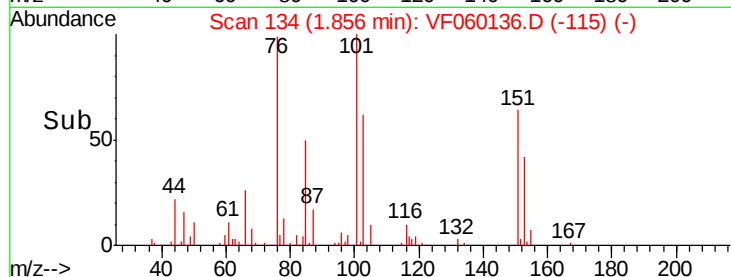
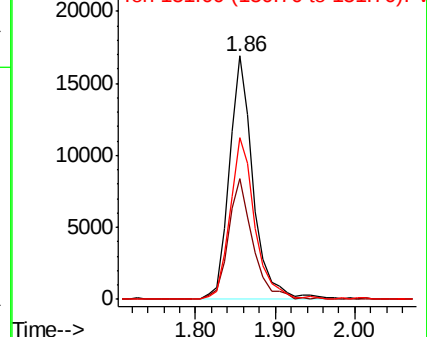
151 66.4 55.2 82.8



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: 15.05 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

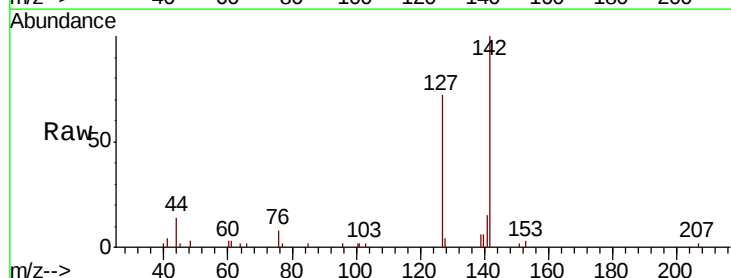
Tgt Ion:142 Resp: 18810

Ion Ratio Lower Upper

142 100

127 71.9 51.8 77.6

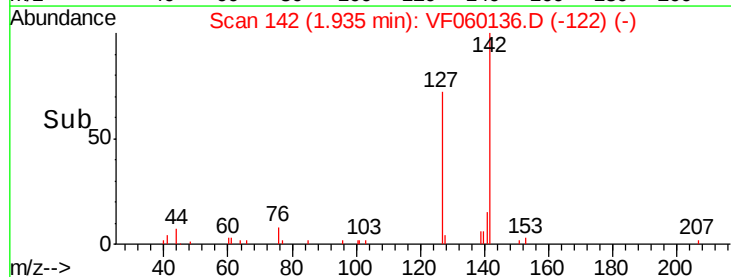
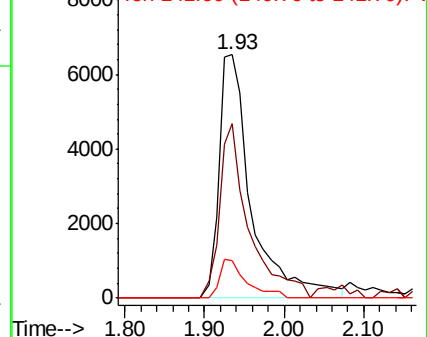
141 15.2 11.9 17.9

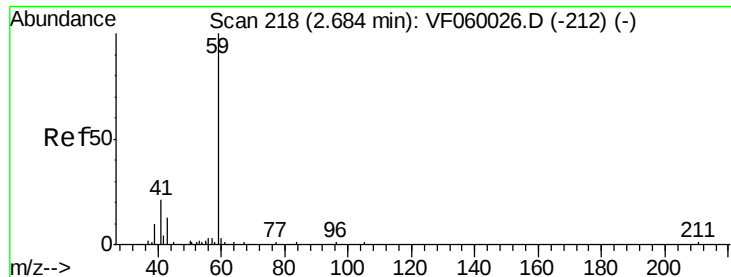


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



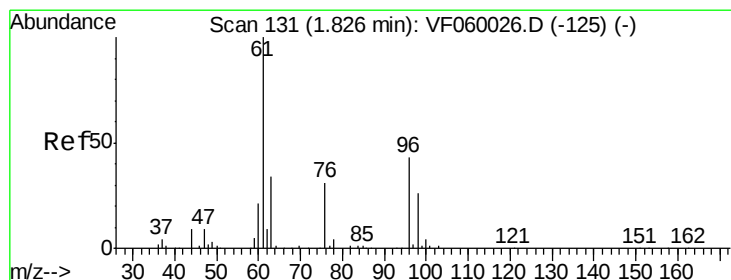
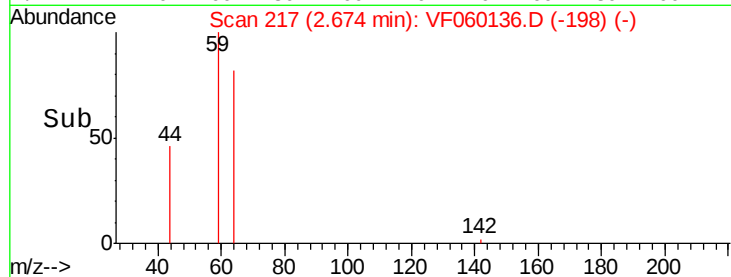
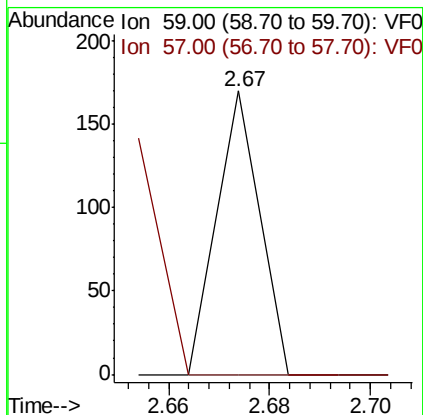
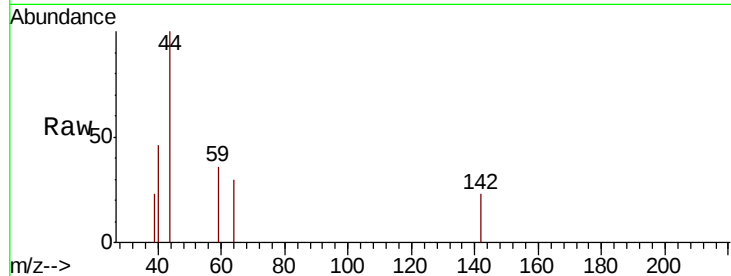


#11

Tert butyl alcohol
 Concen: 1.27 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

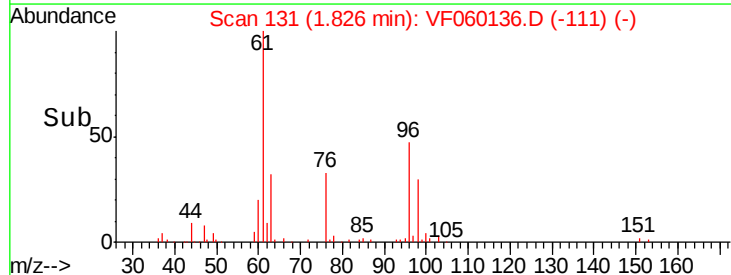
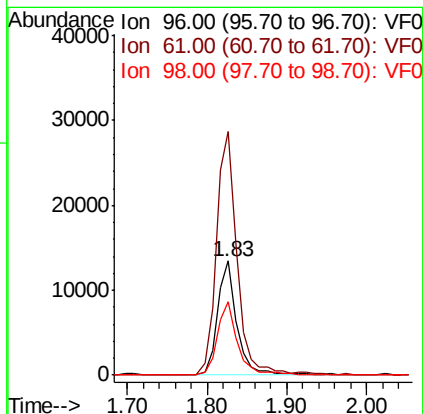
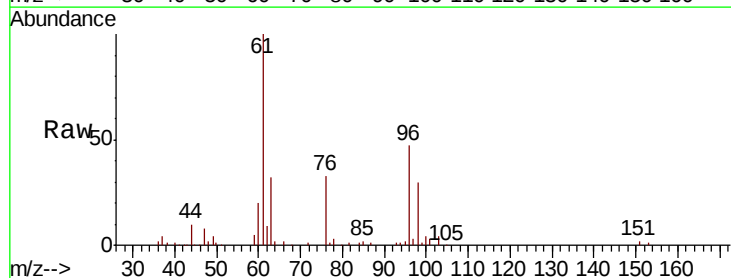
Tot Ion: 59 Resp: 101
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.2#

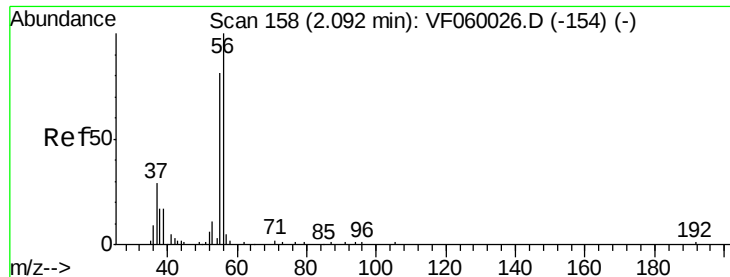


#12

1,1-Dichloroethene
 Concen: 33.59 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Tgt Ion: 96 Resp: 23387
 Ion Ratio Lower Upper
 96 100
 61 213.7 185.0 277.6
 98 64.0 47.8 71.8





#13

Acrolein

Concen: 46.19 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

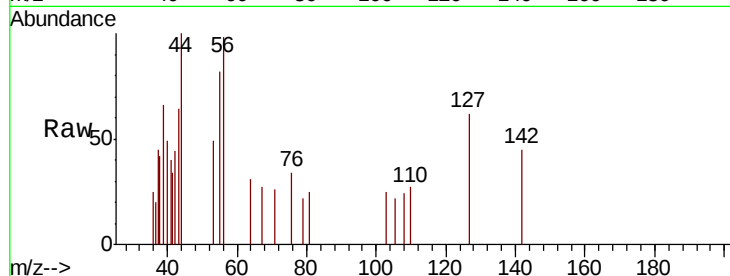
VF0827SBS01

Tot Ion: 56 Resp: 1082

Ion Ratio Lower Upper

56 100

55 83.0 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.07

600

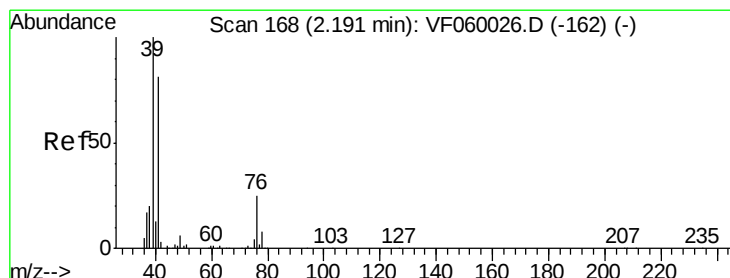
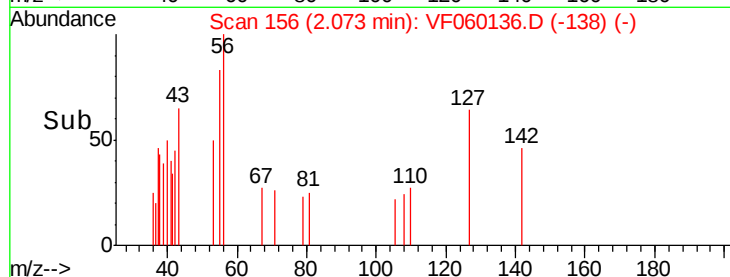
400

200

0

2.05 2.10 2.15

Time-->



#14

Allyl chloride

Concen: 14.52 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

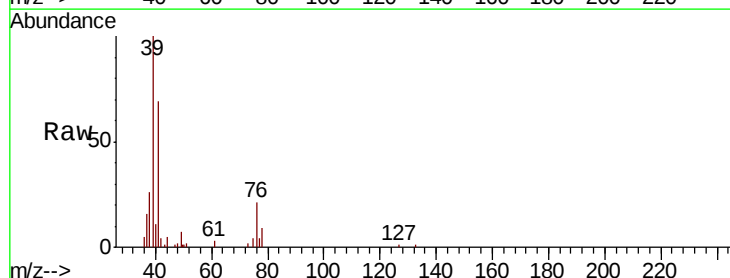
Tgt Ion: 41 Resp: 17955

Ion Ratio Lower Upper

41 100

39 145.0 99.3 148.9

76 31.1 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

15000

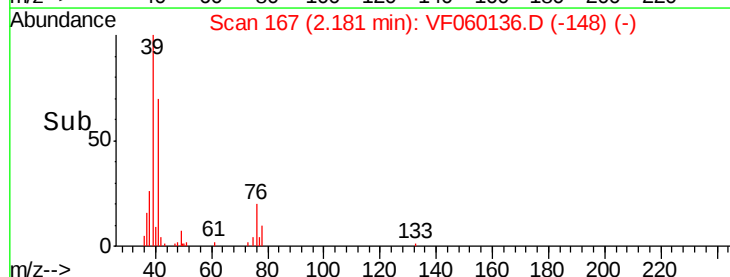
10000

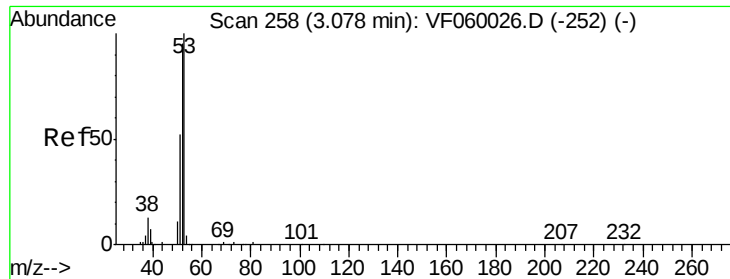
5000

0

2.10 2.15 2.20 2.25

Time-->





#15

Acrylonitrile

Concen: 32.47 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

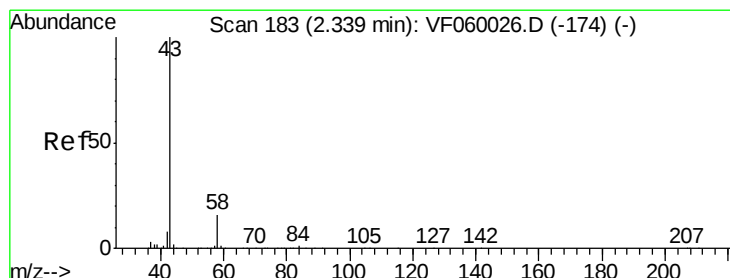
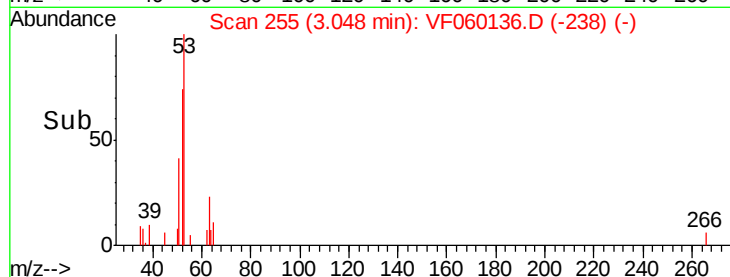
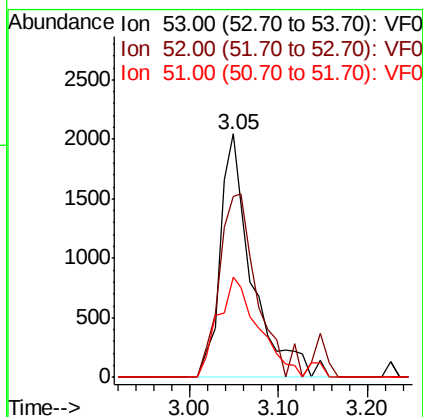
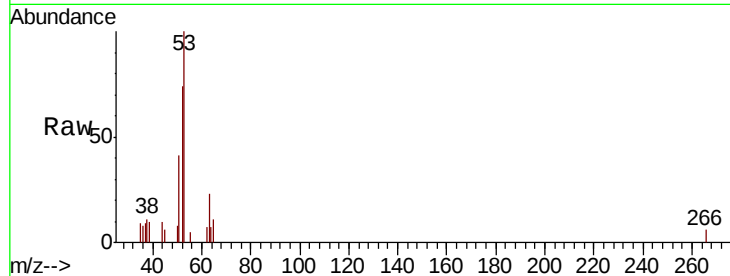
Tot Ion: 53 Resp: 5110

Ion Ratio Lower Upper

53 100

52 74.1 75.8 113.8#

51 41.0 42.1 63.1#



#16

Acetone

Concen: 33.64 ug/l

RT: 2.31 min Scan# 180

Delta R.T. -0.03 min

Lab File: VF060136.D

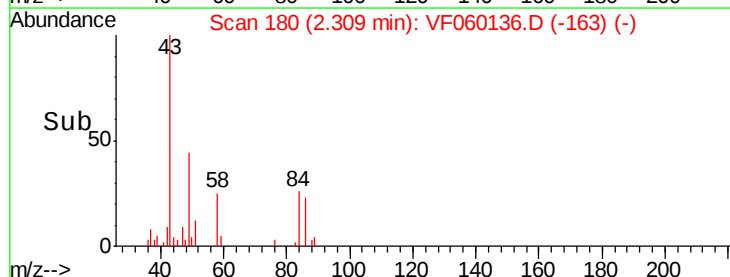
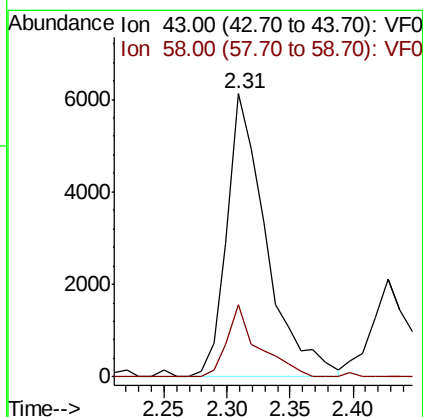
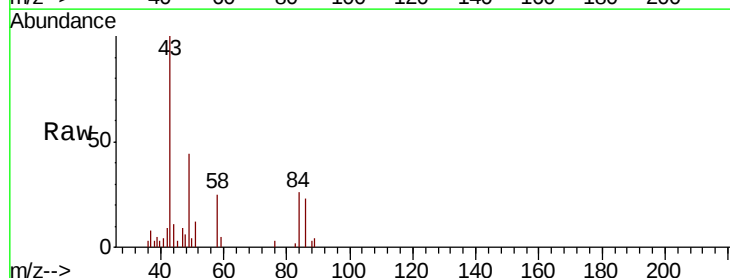
Acq: 27 Aug 2018 20:25

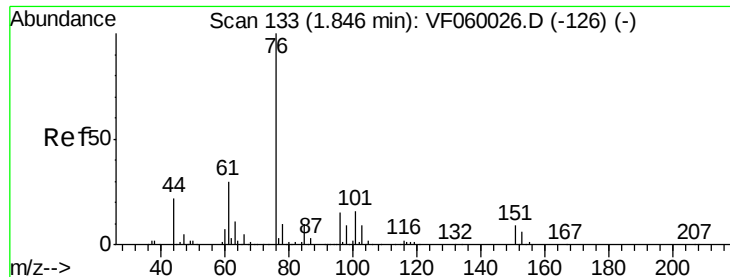
Tgt Ion: 43 Resp: 13254

Ion Ratio Lower Upper

43 100

58 25.4 12.6 19.0#

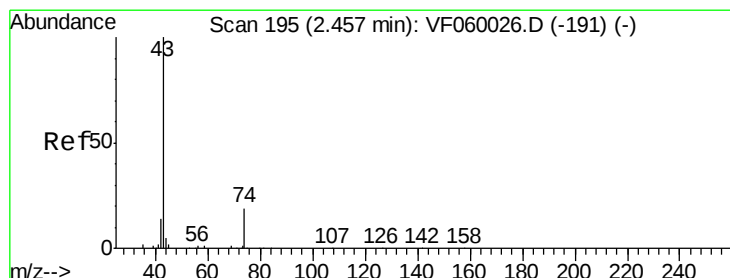
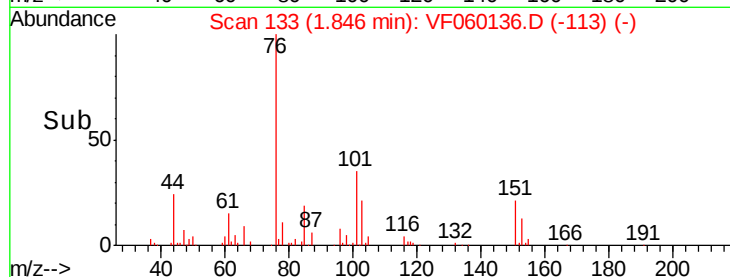
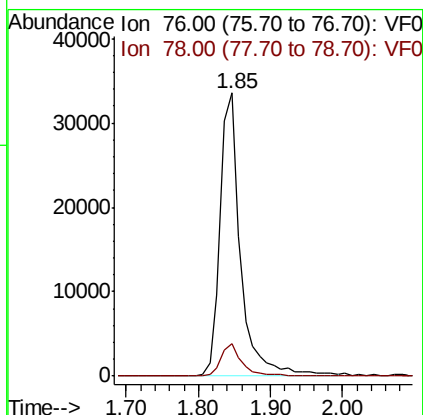
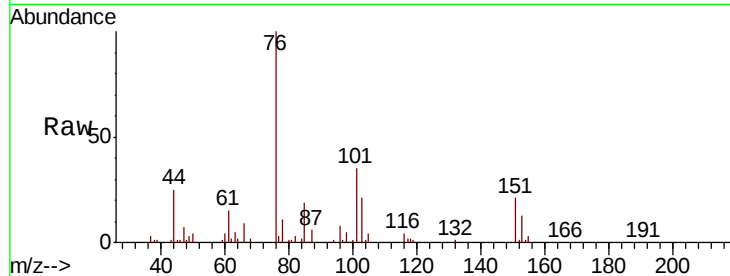




#17
Carbon Disulfide
Concen: 30.25 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

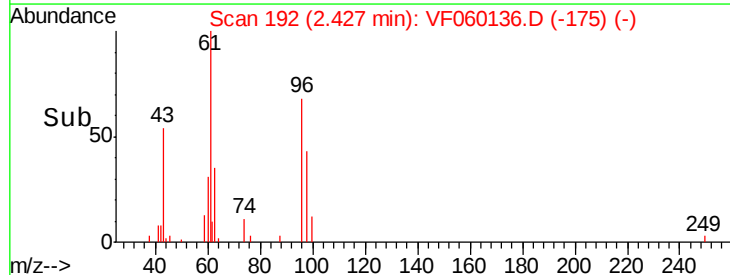
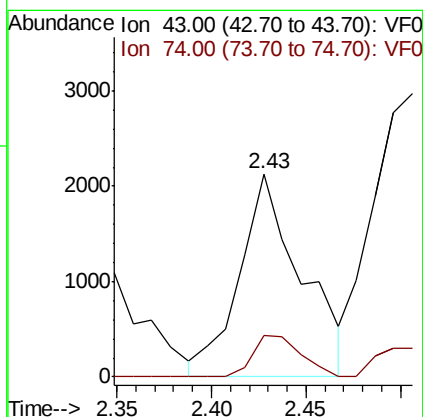
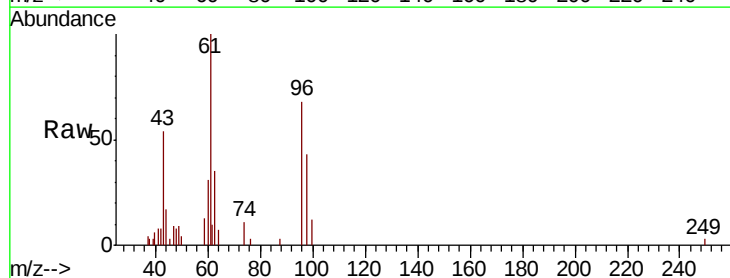
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion: 76 Resp: 65958
Ion Ratio Lower Upper
76 100
78 11.3 8.4 12.6



#18
Methyl Acetate
Concen: 3.36 ug/l
RT: 2.43 min Scan# 192
Delta R.T. -0.03 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion: 43 Resp: 4844
Ion Ratio Lower Upper
43 100
74 20.4 13.8 20.6



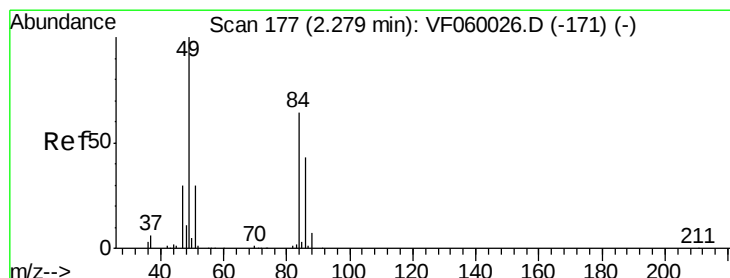
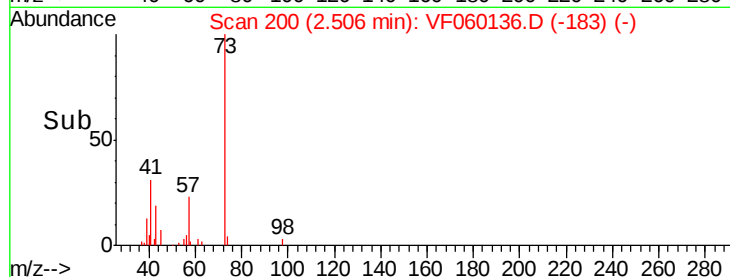
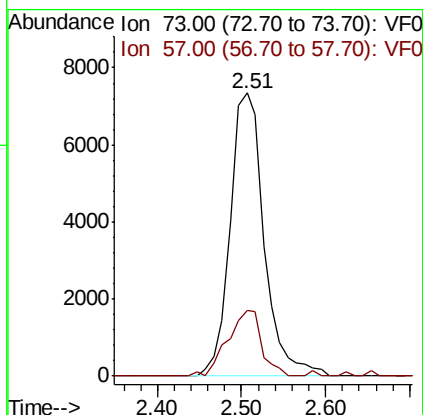
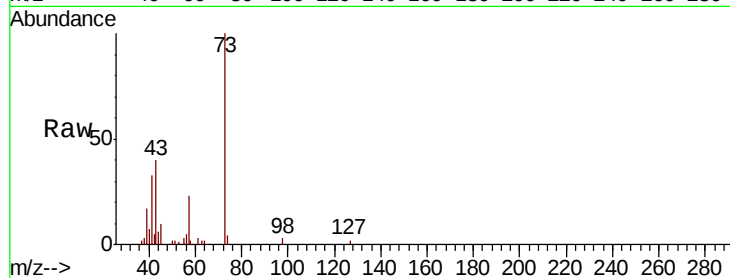


#19

Methyl tert-butyl Ether
 Concen: 9.26 ug/l
 RT: 2.51 min Scan# 200
 Delta R.T. -0.03 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

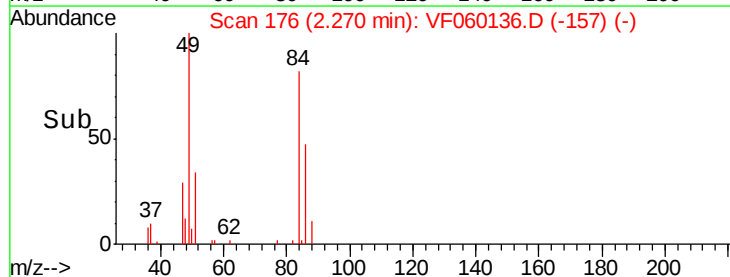
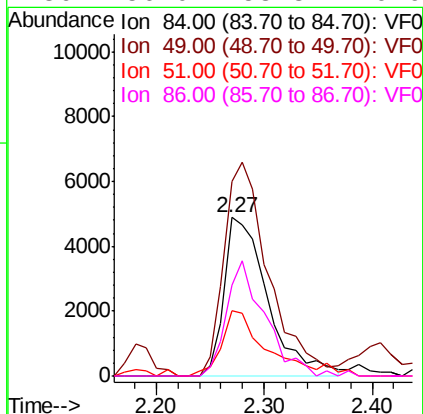
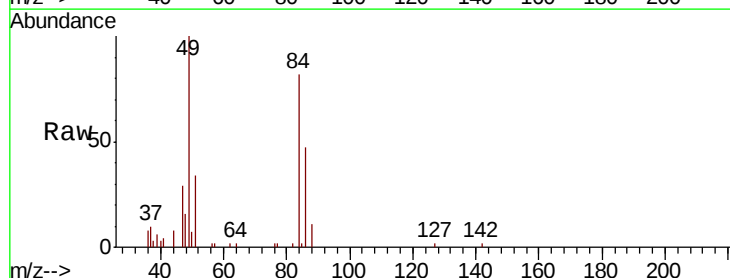
Tot Ion: 73 Resp: 20649
 Ion Ratio Lower Upper
 73 100
 57 23.1 13.7 20.5#

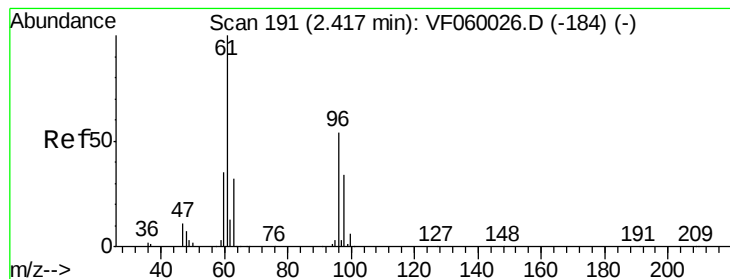


#20

Methylene Chloride
 Concen: 14.02 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Tgt Ion: 84 Resp: 13739
 Ion Ratio Lower Upper
 84 100
 49 119.4 125.4 188.0#
 51 40.3 38.3 57.5
 86 56.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 27.05 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

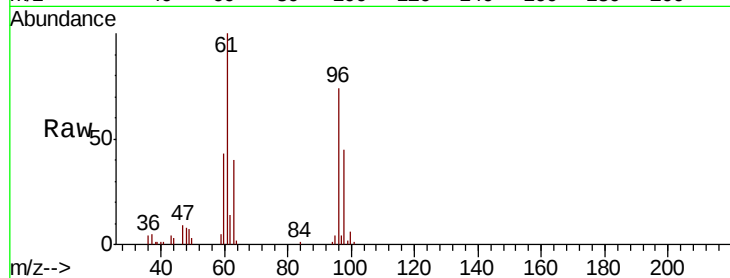
Tot Ion: 96 Resp: 21072

Ion Ratio Lower Upper

96 100

61 134.9 147.4 221.0#

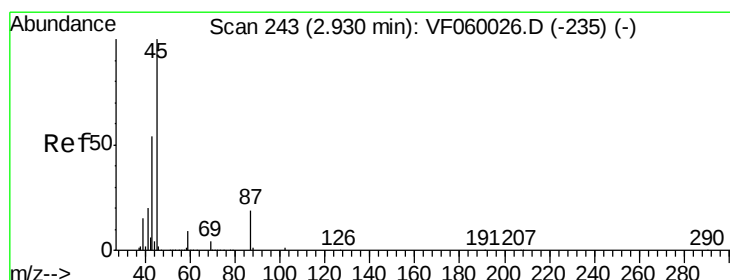
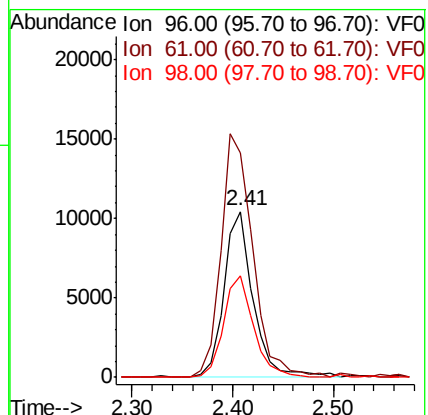
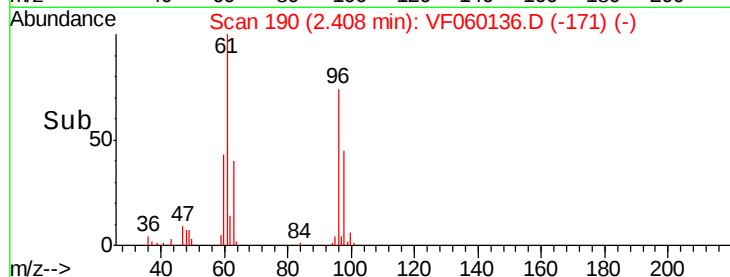
98 61.1 49.8 74.6



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: 14.24 ug/l

RT: 2.89 min Scan# 239

Delta R.T. -0.04 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Tgt Ion: 45 Resp: 39431

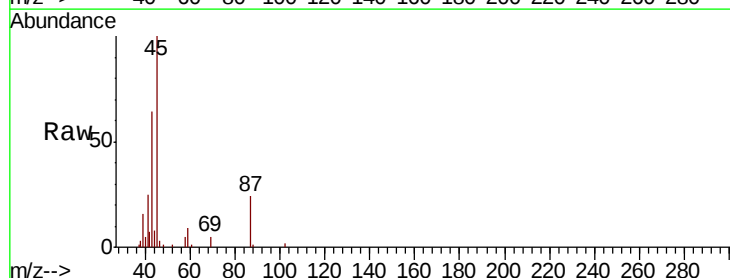
Ion Ratio Lower Upper

45 100

43 63.6 43.4 65.2

87 23.9 15.4 23.2#

59 9.3 7.5 11.3

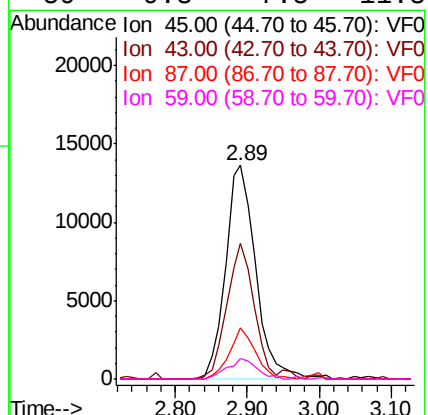
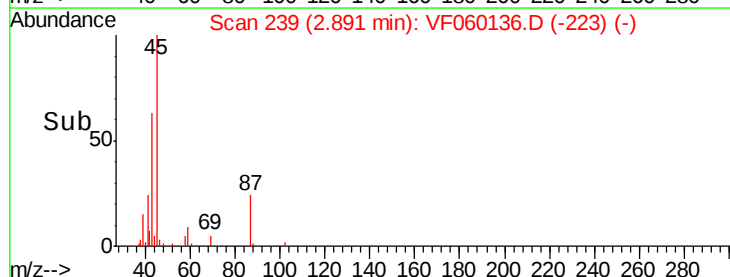


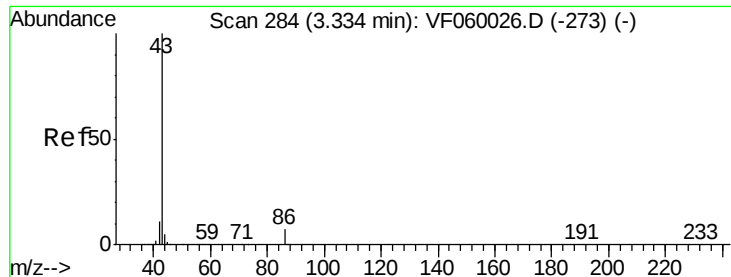
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 38.81 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

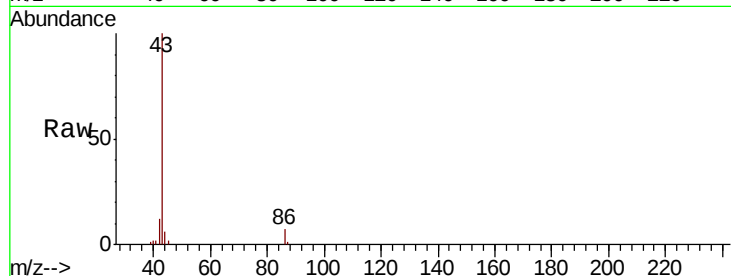
VF0827SBS01

Tot Ion: 43 Resp: 56936

Ion Ratio Lower Upper

43 100

86 7.5 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

25000

20000

15000

10000

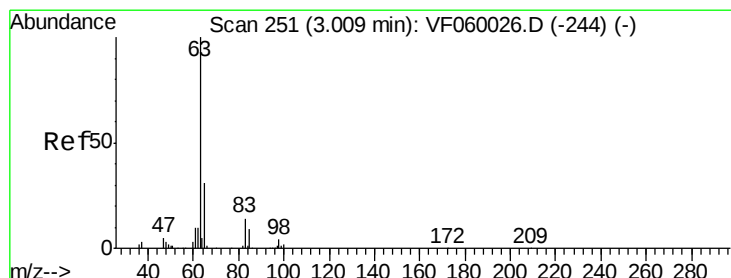
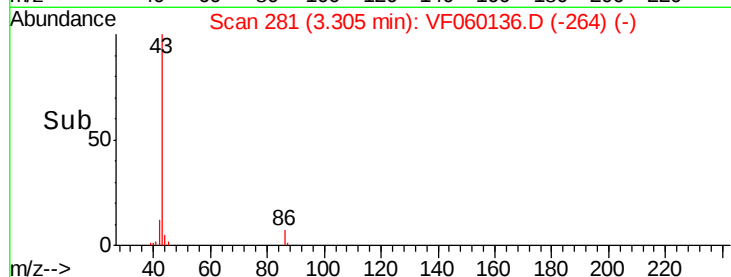
5000

0

Time-->

3.20 3.30 3.40 3.50

3.30



#24

1,1-Dichloroethane

Concen: 19.82 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

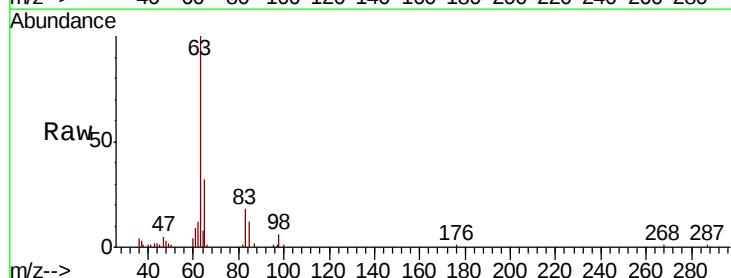
Tgt Ion: 63 Resp: 33902

Ion Ratio Lower Upper

63 100

98 5.7 2.1 6.5

100 1.4 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

15000

10000

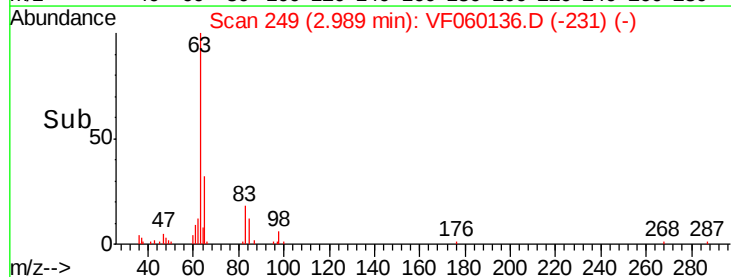
5000

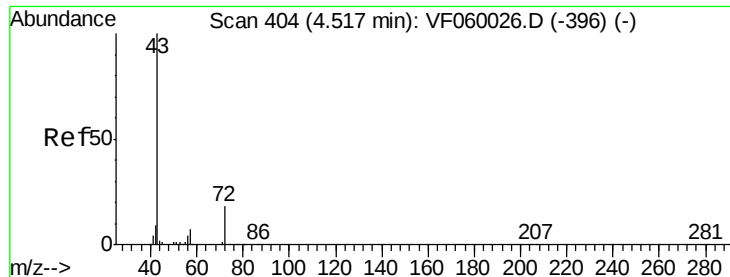
0

Time-->

2.90 3.00 3.10

2.99





#25

2-Butanone

Concen: 30.10 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

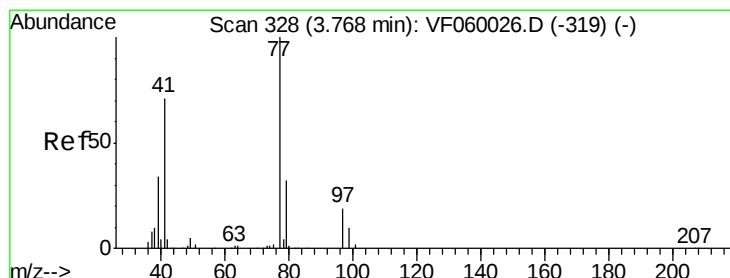
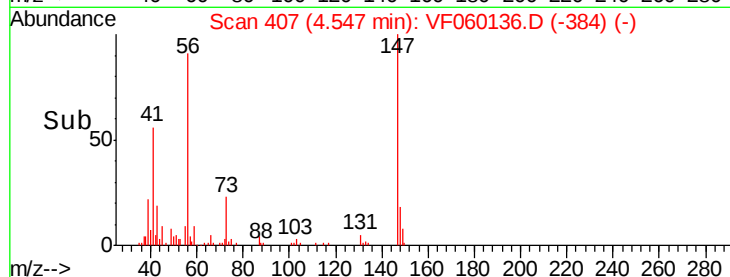
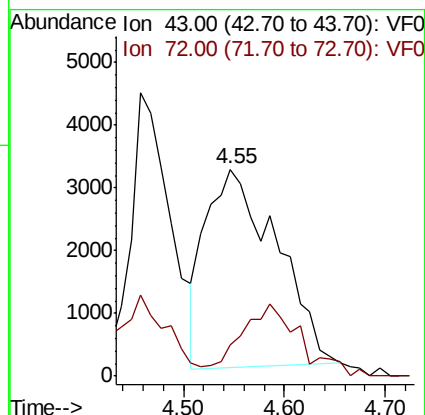
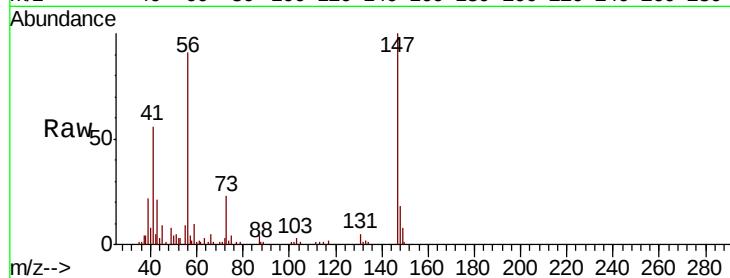
VF0827SBS01

Tot Ion: 43 Resp: 15407

Ion Ratio Lower Upper

43 100

72 15.3 15.0 22.6



#26

2,2-Dichloropropane

Concen: 11.05 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060136.D

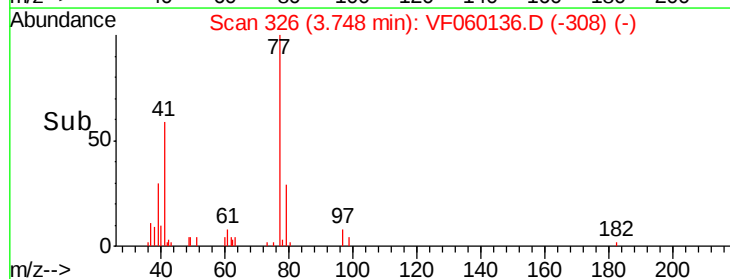
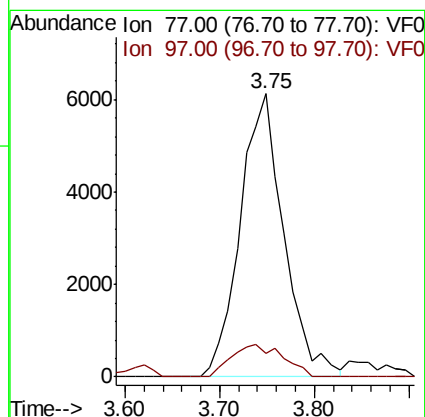
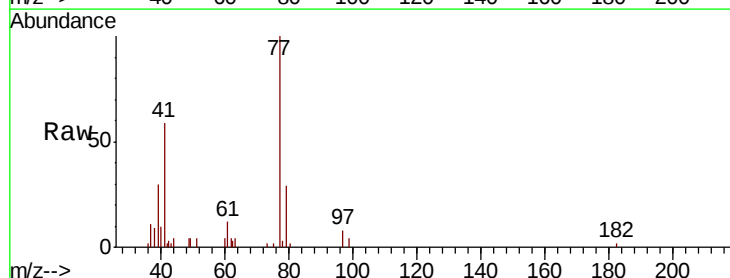
Acq: 27 Aug 2018 20:25

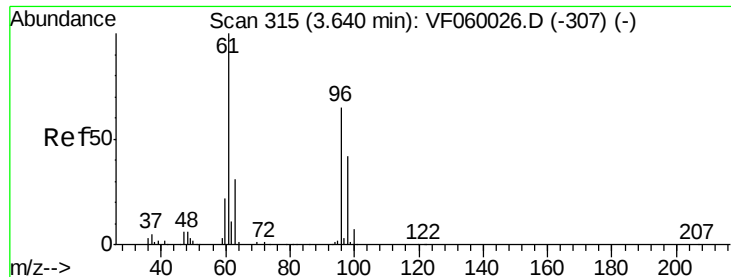
Tgt Ion: 77 Resp: 19558

Ion Ratio Lower Upper

77 100

97 8.2 9.7 29.1#





#27

cis-1,2-Dichloroethene

Concen: 14.21 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

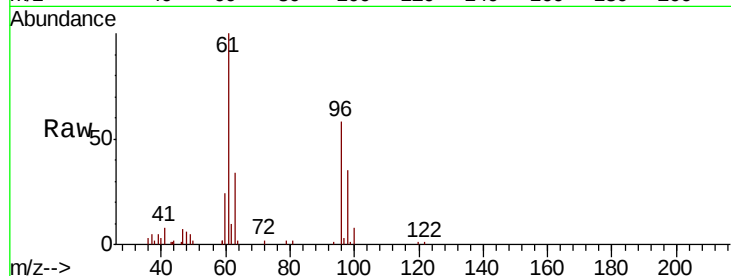
Tot Ion: 96 Resp: 15686

Ion Ratio Lower Upper

96 100

61 172.1 0.0 307.6

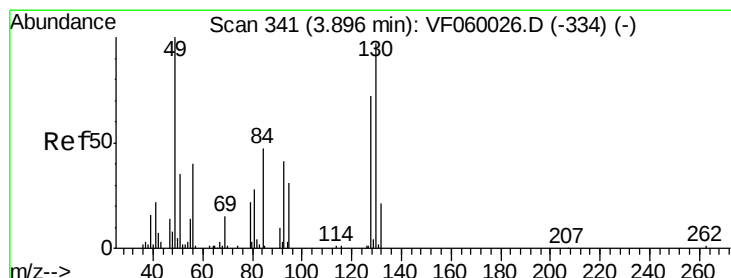
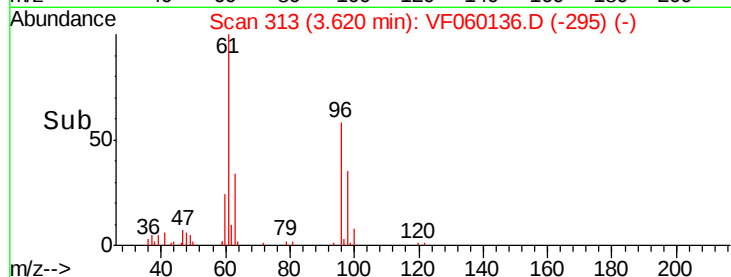
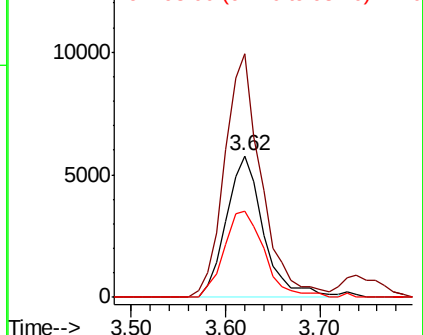
98 60.5 0.0 128.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 10.69 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

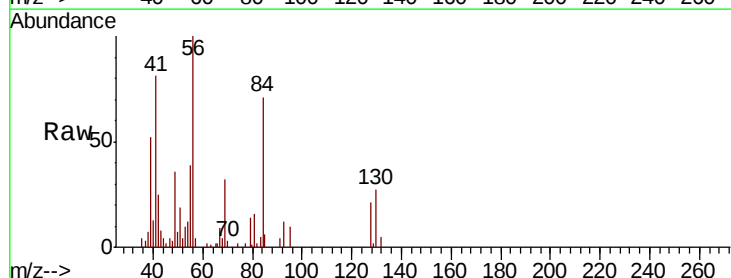
Tgt Ion: 49 Resp: 7723

Ion Ratio Lower Upper

49 100

129 4.4 0.0 7.4

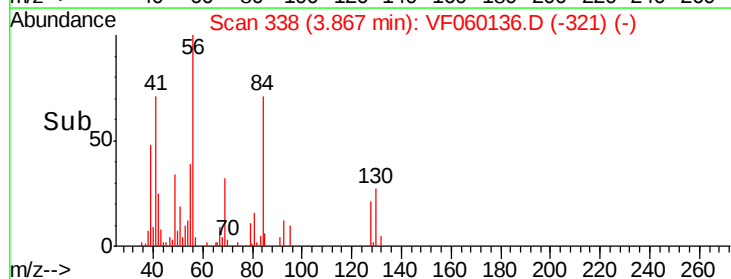
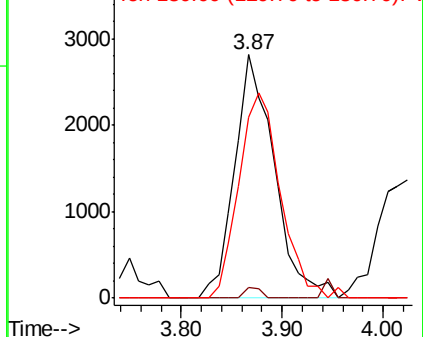
130 74.3 78.0 117.0#

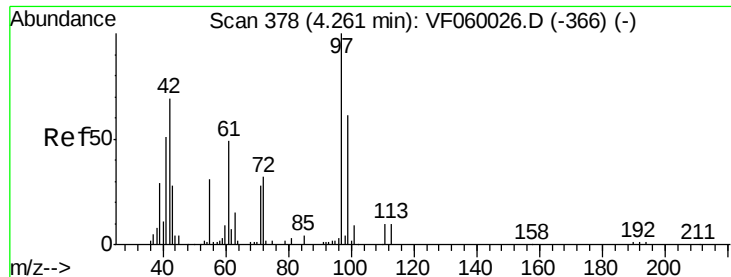


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

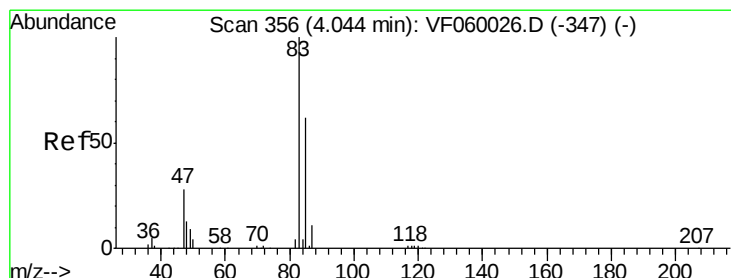
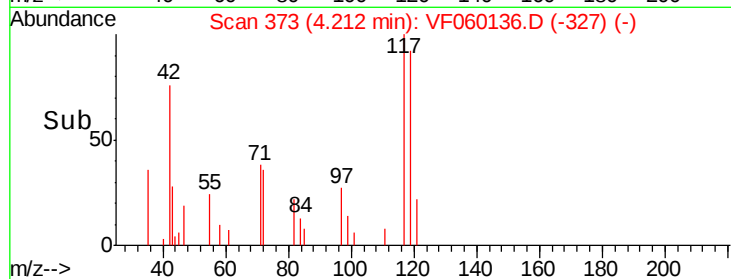
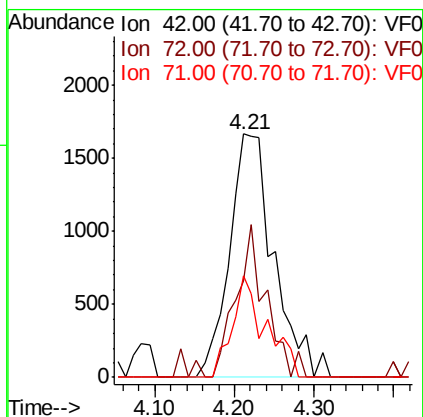
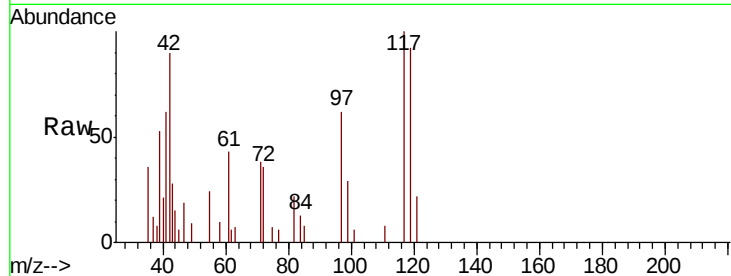




#29
Tetrahydrofuran
Concen: 33.43 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.05 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

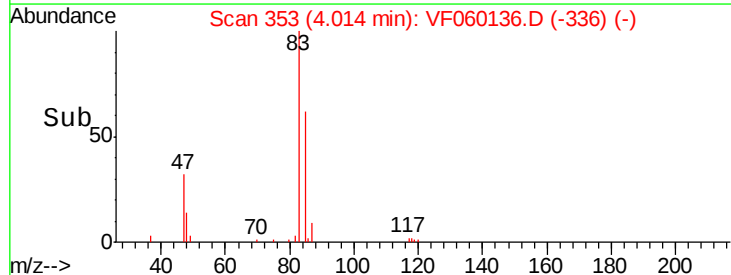
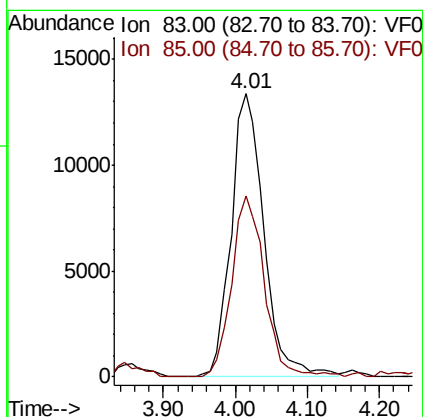
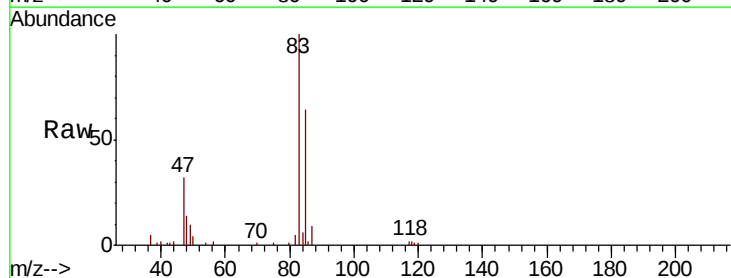
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

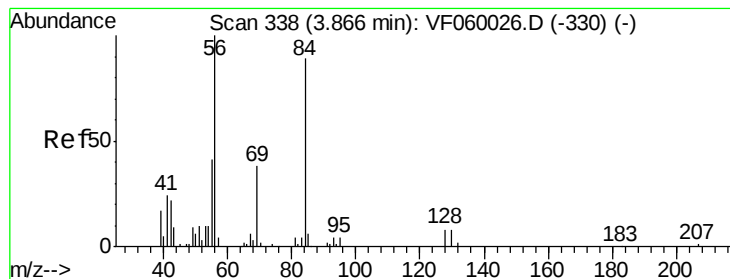
Tot Ion: 42 Resp: 6459
Ion Ratio Lower Upper
42 100
72 42.4 31.4 47.2
71 31.7 29.7 44.5



#30
Chloroform
Concen: 17.65 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.03 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion: 83 Resp: 42393
Ion Ratio Lower Upper
83 100
85 65.9 49.5 74.3





#31

Cyclohexane

Concen: 23.83 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

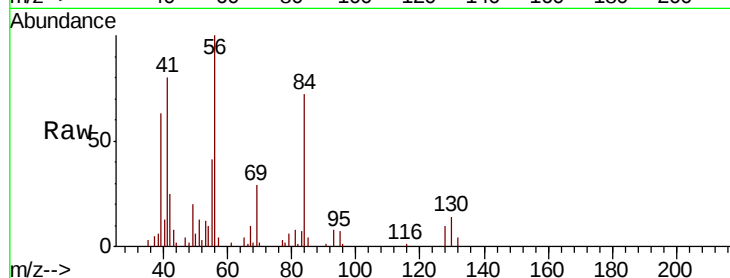
Tot Ion: 56 Resp: 31063

Ion Ratio Lower Upper

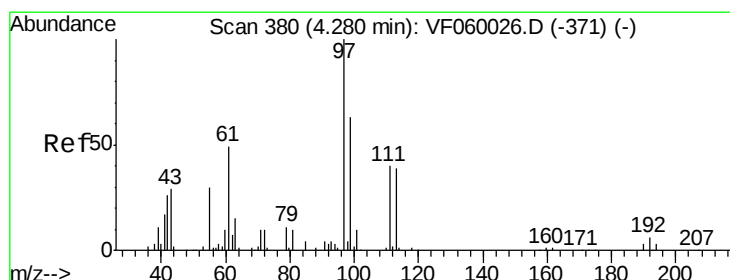
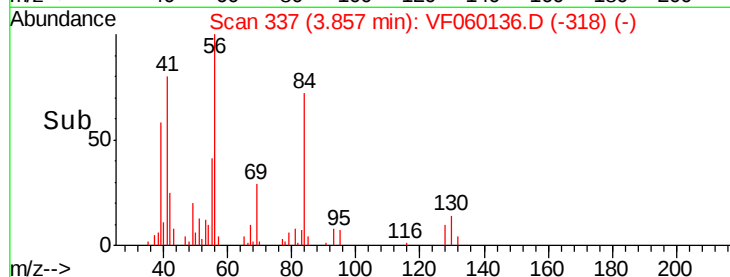
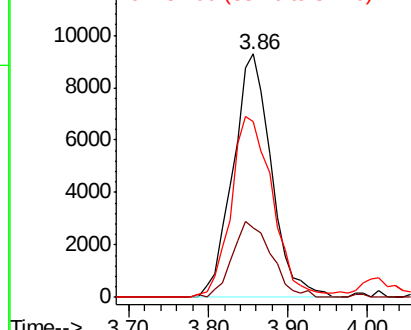
56 100

69 28.5 30.4 45.6#

84 72.1 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: 26.14 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

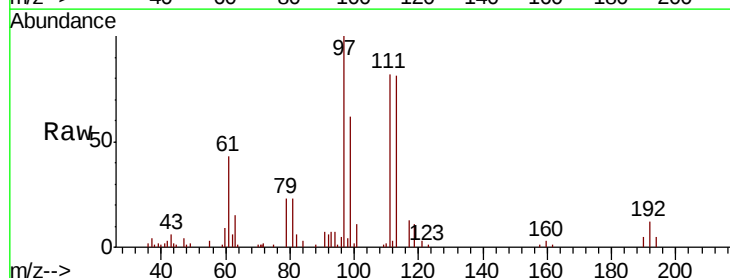
Tgt Ion: 97 Resp: 53743

Ion Ratio Lower Upper

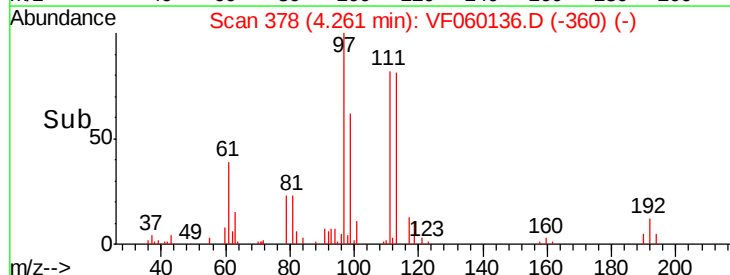
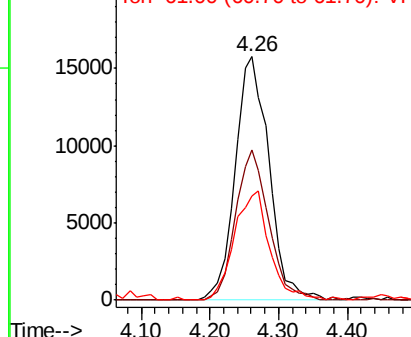
97 100

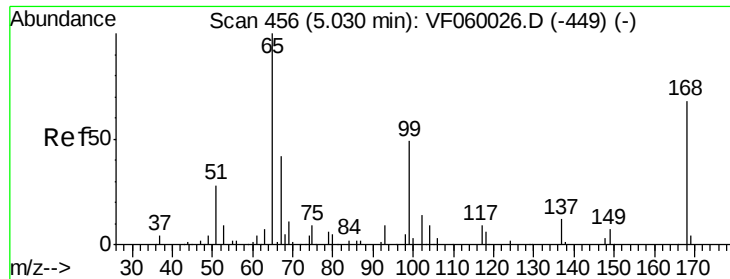
99 61.6 50.3 75.5

61 42.8 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

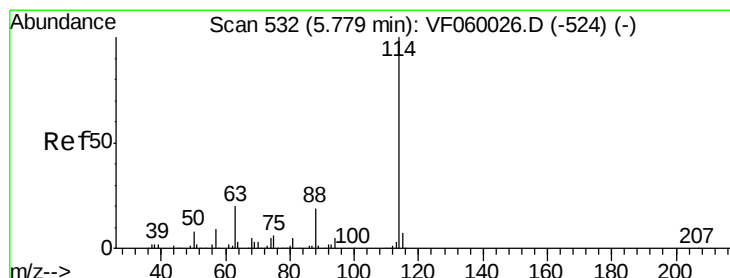
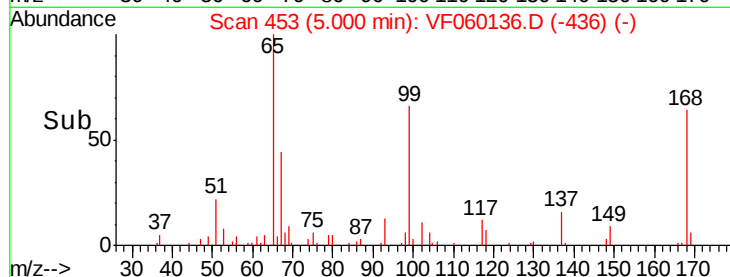
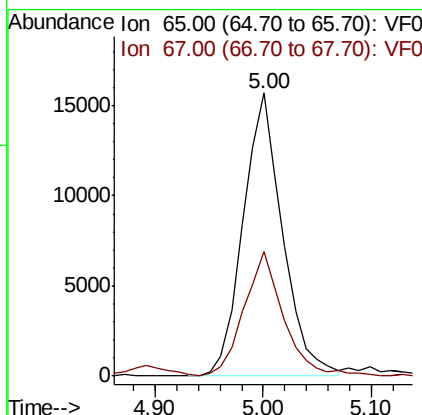
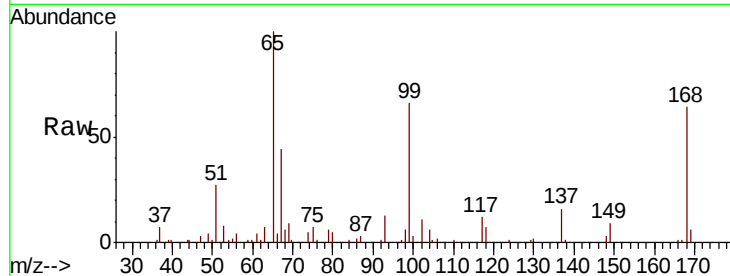




#33
 1,2-Dichloroethane-d4
 Concen: 26.50 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

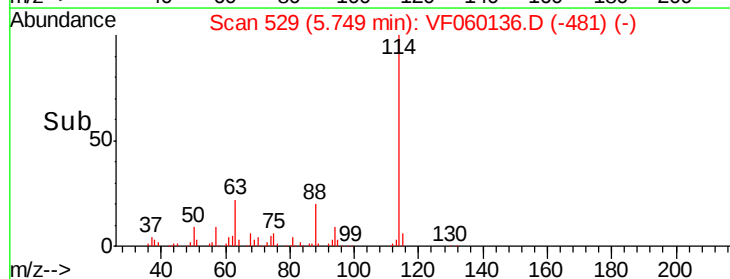
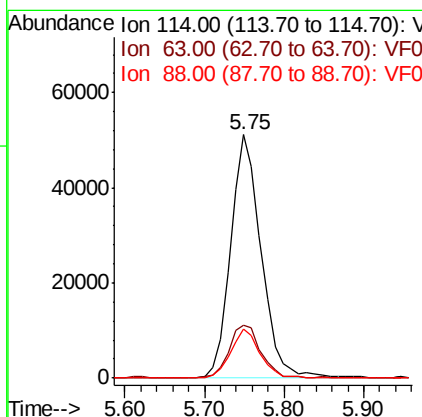
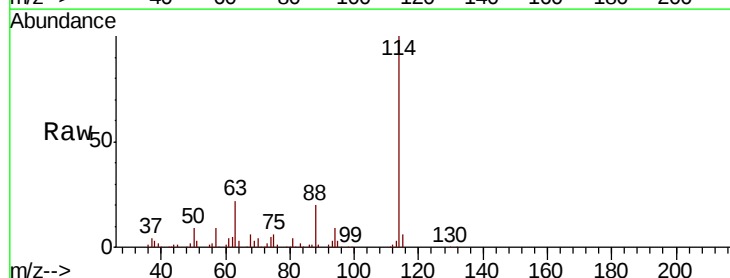
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

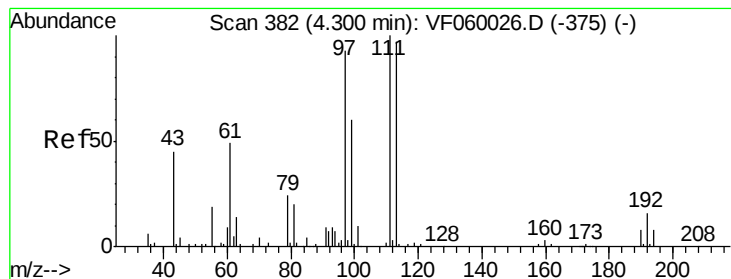
Tot Ion: 65 Resp: 39724
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Tgt Ion: 114 Resp: 136156
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 40.4
 88 20.0 0.0 38.6





#35

Dibromofluoromethane

Concen: 43.98 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

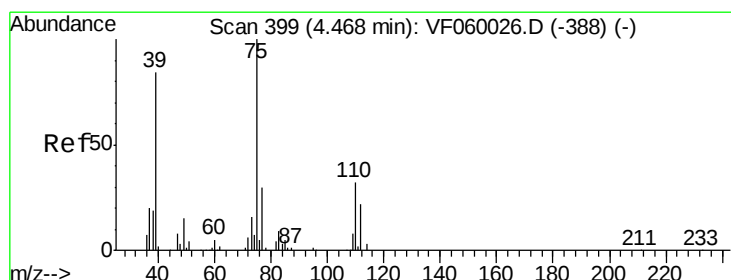
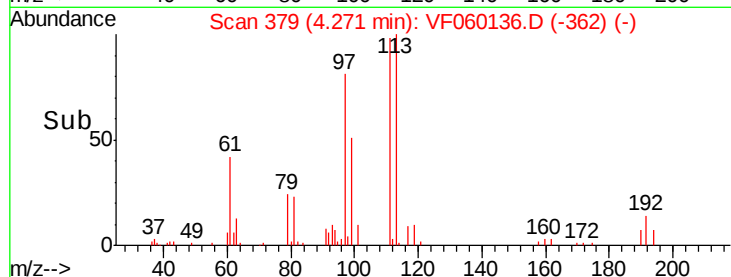
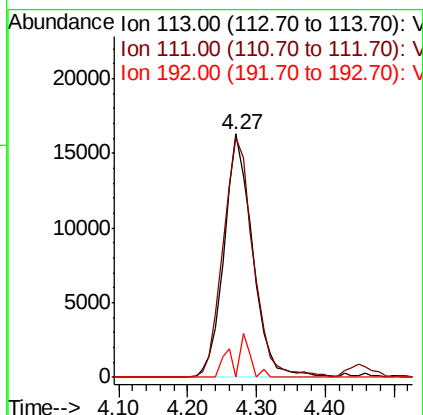
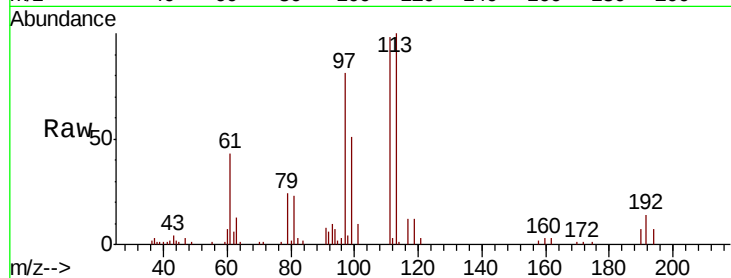
Tot Ion:113 Resp: 47019

Ion Ratio Lower Upper

113 100

111 98.5 82.7 124.1

192 0.0 13.0 19.4#



#36

1,1-Dichloropropene

Concen: 28.02 ug/l

RT: 4.44 min Scan# 396

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

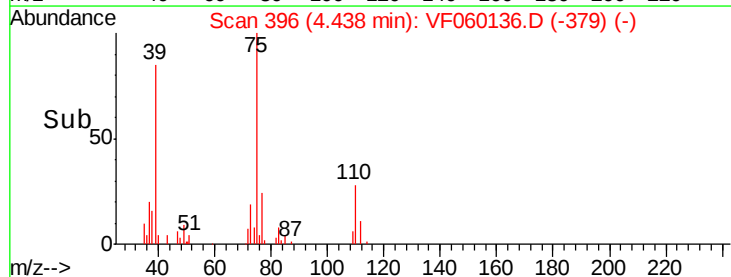
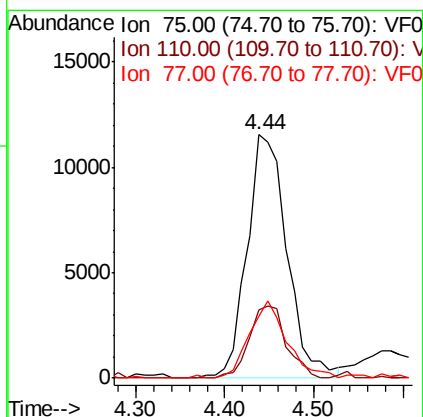
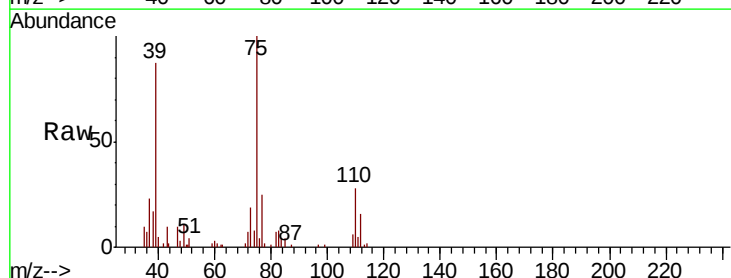
Tgt Ion: 75 Resp: 35857

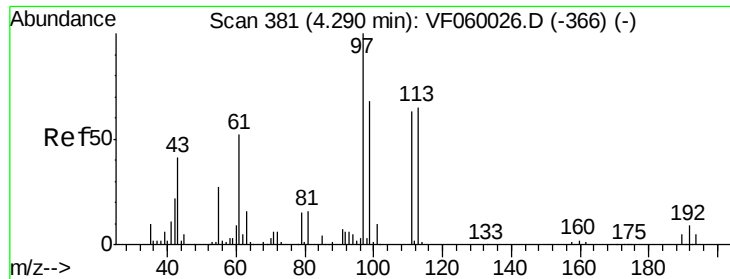
Ion Ratio Lower Upper

75 100

110 27.9 16.0 47.9

77 25.4 24.1 36.1

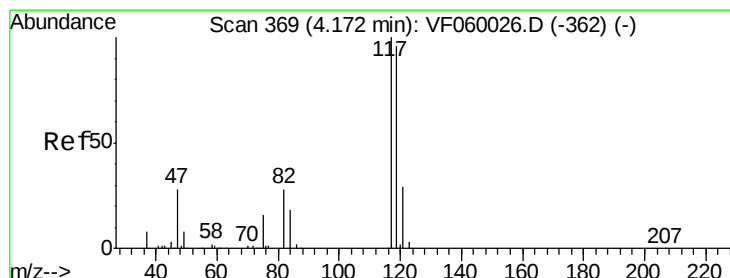
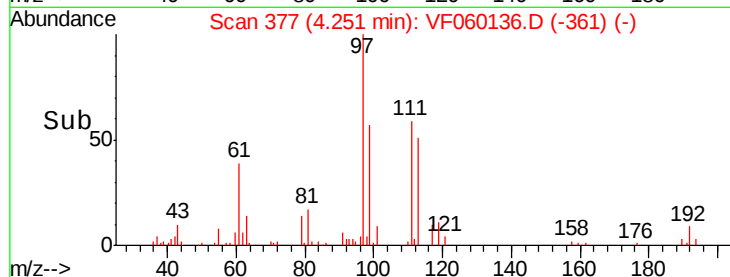
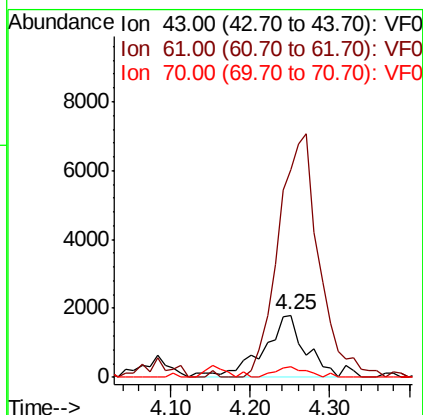
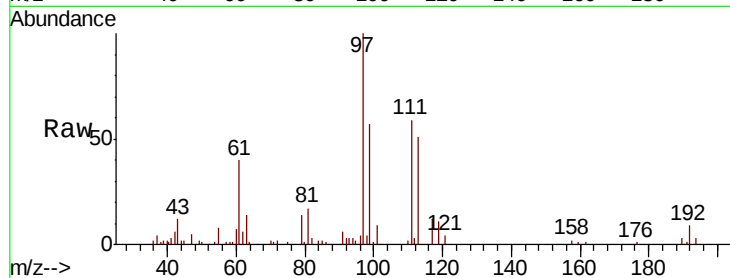




#37
Ethyl Acetate
Concen: 8.65 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.04 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

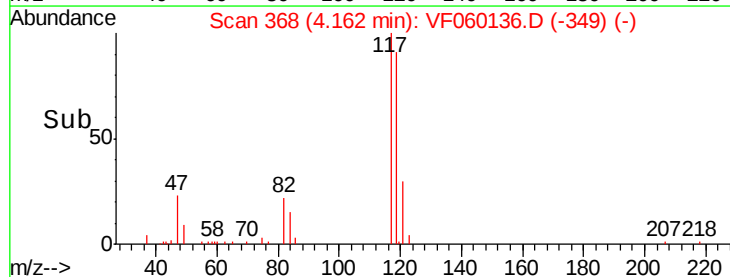
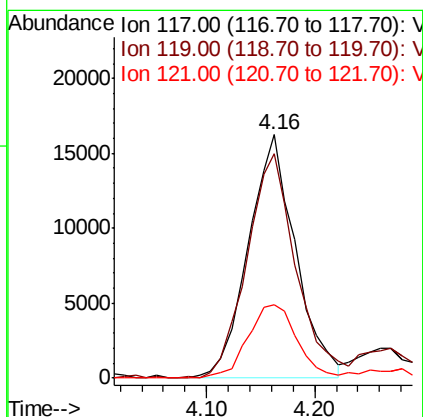
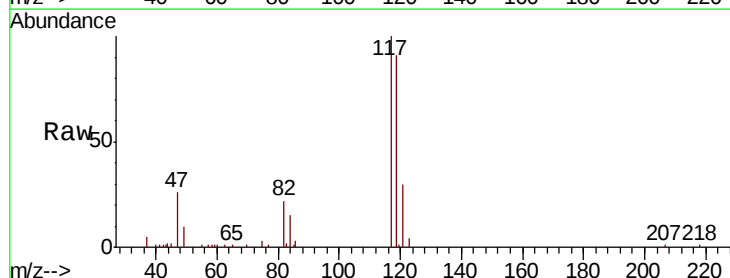
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

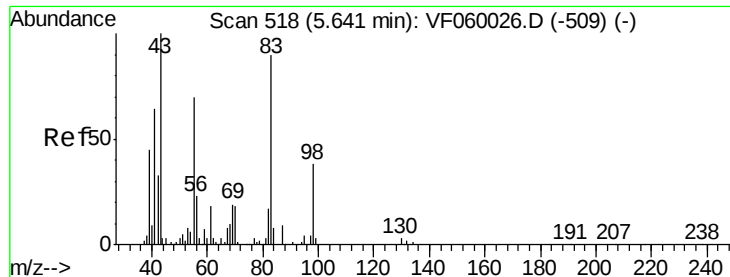
Tot Ion: 43 Resp: 6622
Ion Ratio Lower Upper
43 100
61 333.3 101.5 152.3#
70 17.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 33.44 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion: 117 Resp: 49544
Ion Ratio Lower Upper
117 100
119 92.0 76.5 114.7
121 30.2 23.0 34.6

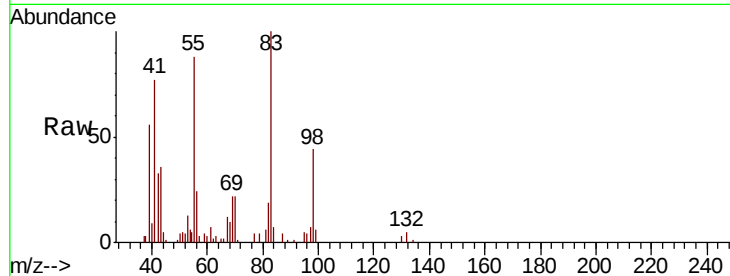




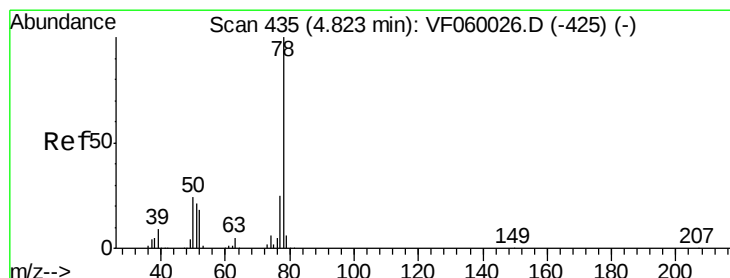
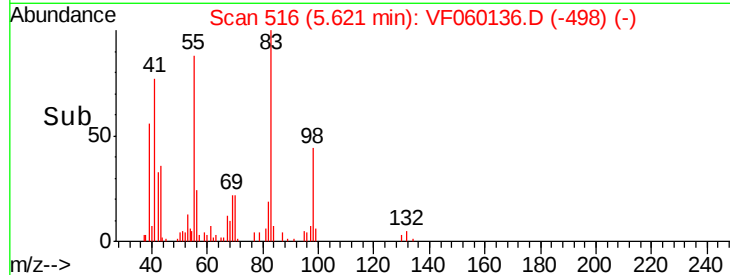
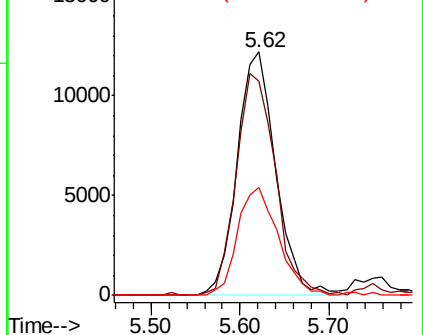
#39
Methvlcvclohexane
Concen: 30.63 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion: 83 Resp: 36748
Ion Ratio Lower Upper
83 100
55 88.2 62.7 94.1
98 44.4 33.8 50.8

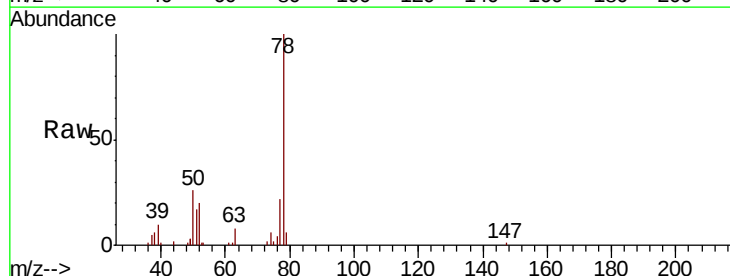


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

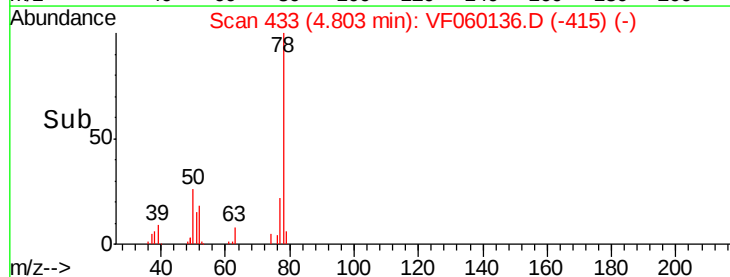
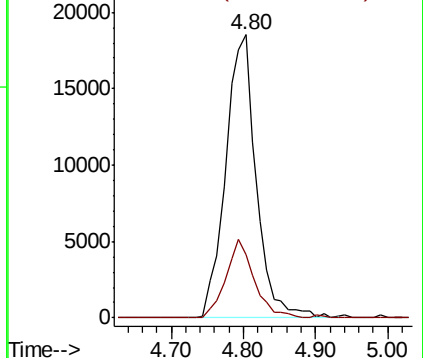


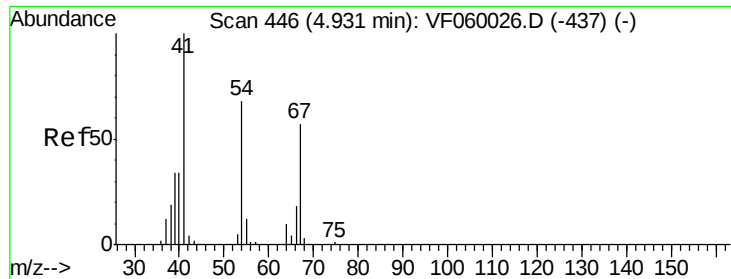
#40
Benzene
Concen: 19.52 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion: 78 Resp: 54560
Ion Ratio Lower Upper
78 100
77 22.3 19.8 29.6



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





#41

Methacrylonitrile

Concen: 8.62 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.05 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

Tot Ion: 41 Resp: 3336

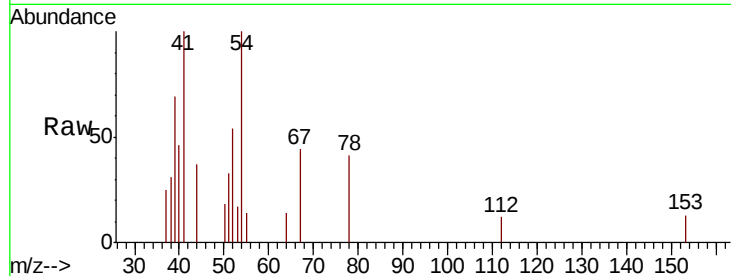
Ion Ratio Lower Upper

41 100

39 68.6 52.9 79.3

67 44.3 45.3 67.9#

52 53.7 34.8 52.2#

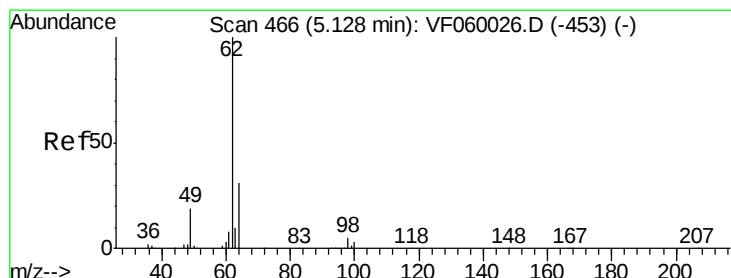
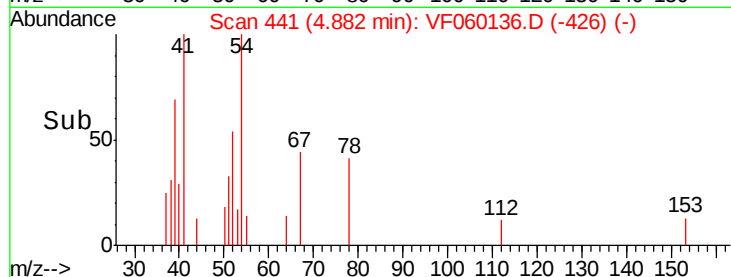
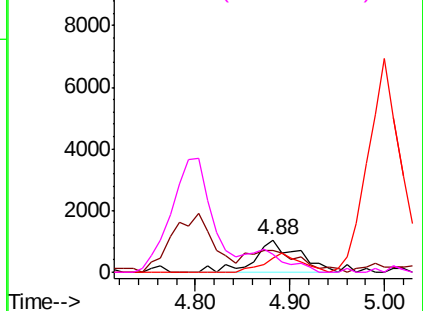


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 14.29 ug/l

RT: 5.10 min Scan# 463

Delta R.T. -0.03 min

Lab File: VF060136.D

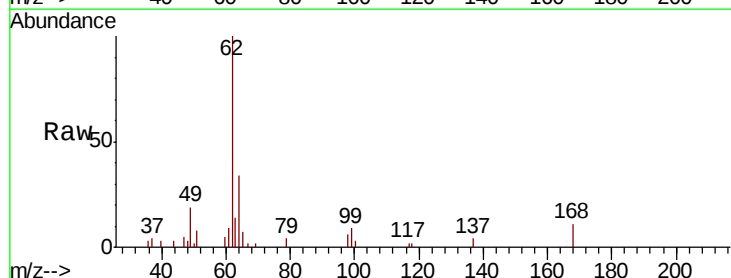
Acq: 27 Aug 2018 20:25

Tgt Ion: 62 Resp: 21410

Ion Ratio Lower Upper

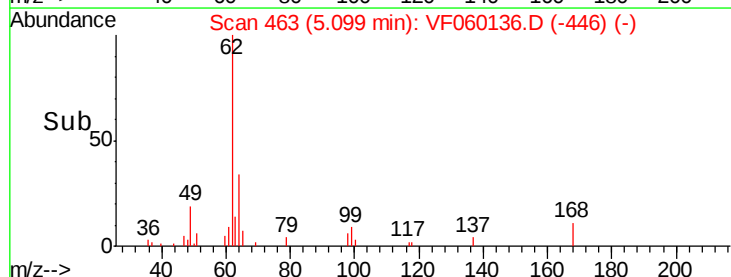
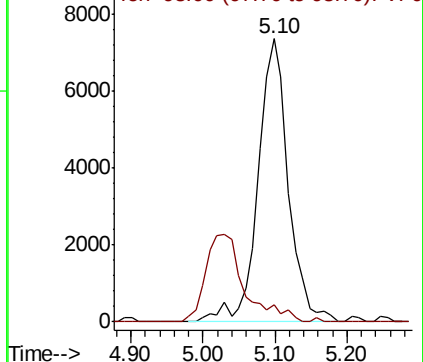
62 100

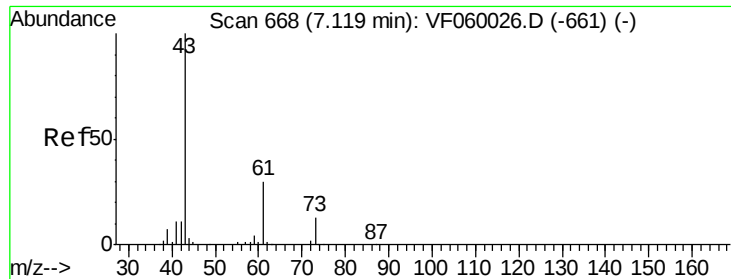
98 6.2 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 8.03 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

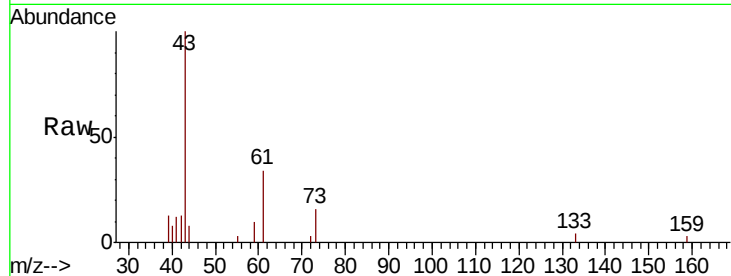
Tot Ion: 43 Resp: 7733

Ion Ratio Lower Upper

43 100

61 34.4 23.8 35.6

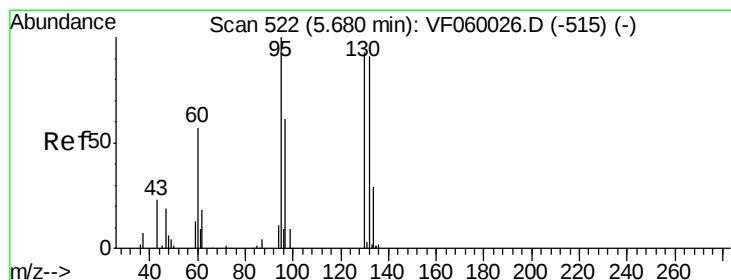
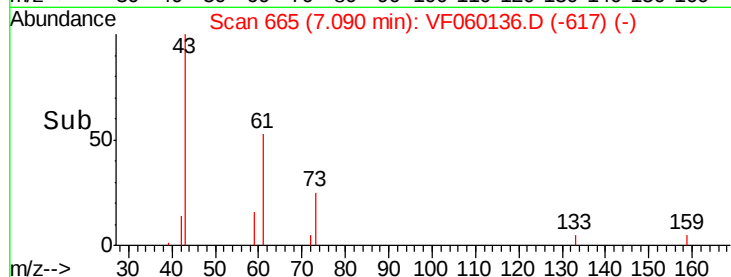
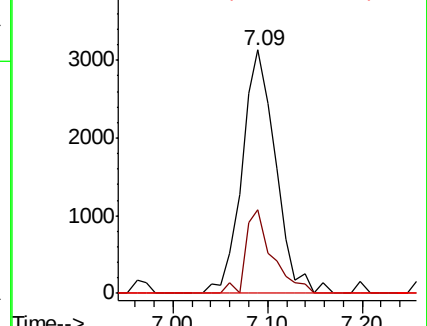
87 0.0 0.2 0.4#



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: 25.68 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.02 min

Lab File: VF060136.D

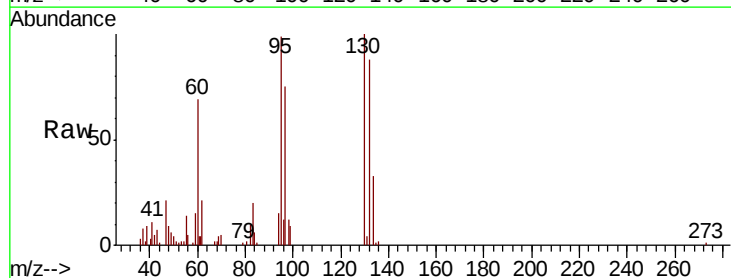
Acq: 27 Aug 2018 20:25

Tgt Ion: 130 Resp: 23728

Ion Ratio Lower Upper

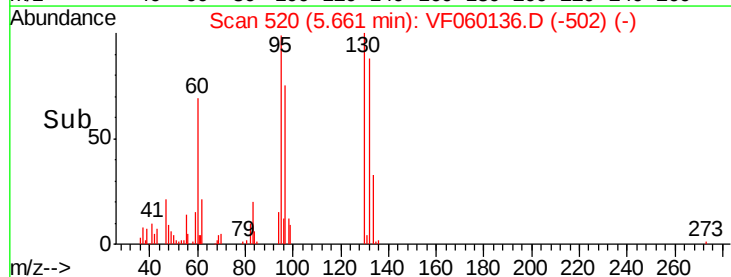
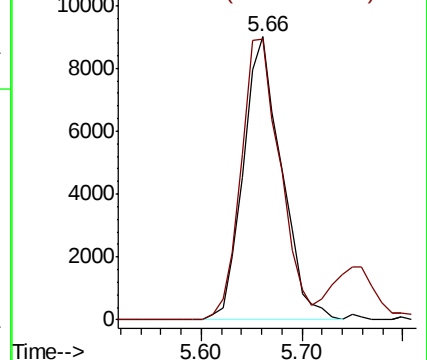
130 100

95 99.4 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: 17.20 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

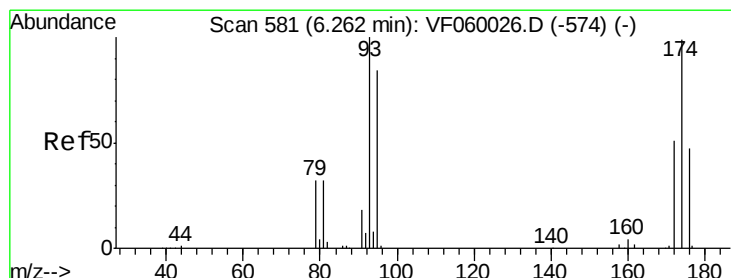
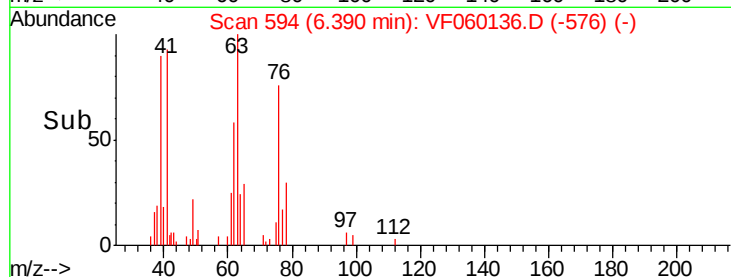
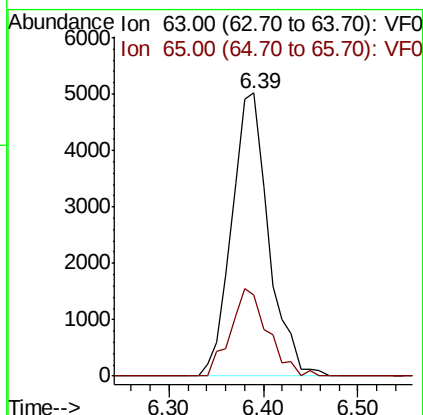
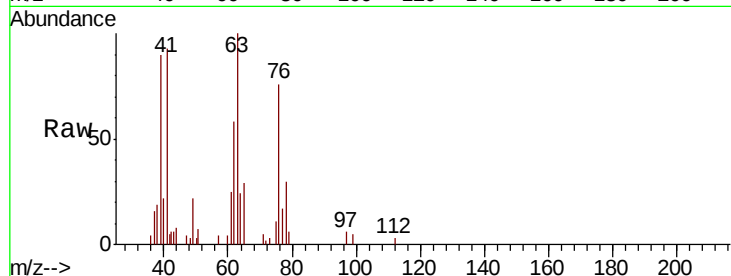
VF0827SBS01

Tot Ion: 63 Resp: 13596

Ion Ratio Lower Upper

63 100

65 28.7 23.8 35.6



#46

Dibromomethane

Concen: 11.87 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

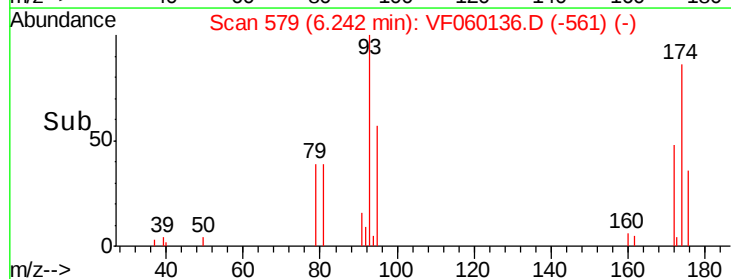
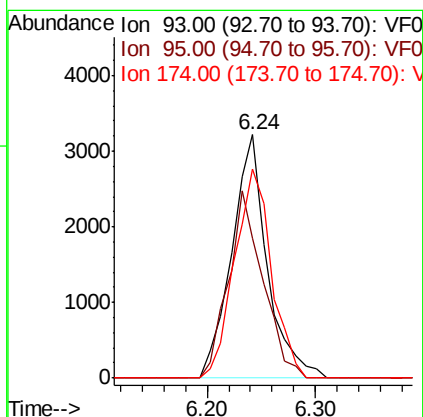
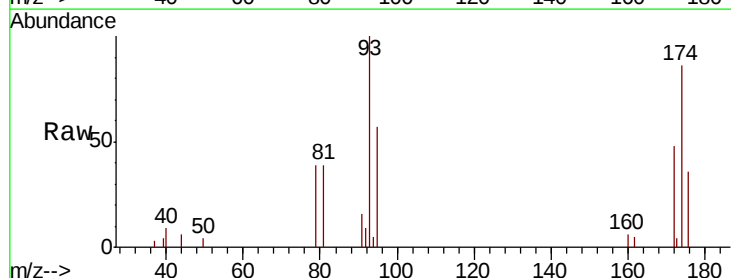
Tgt Ion: 93 Resp: 7341

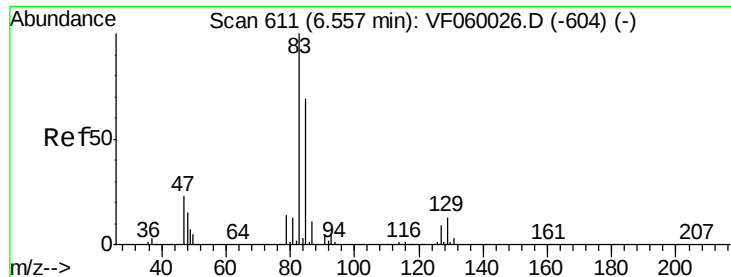
Ion Ratio Lower Upper

93 100

95 57.4 67.1 100.7#

174 85.8 79.0 118.4





#47

Bromodichloromethane

Concen: 16.46 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

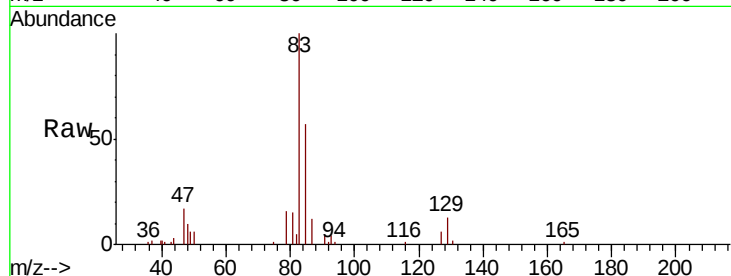
Tot Ion: 83 Resp: 24599

Ion Ratio Lower Upper

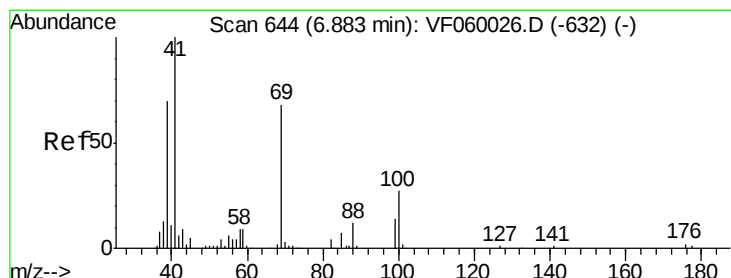
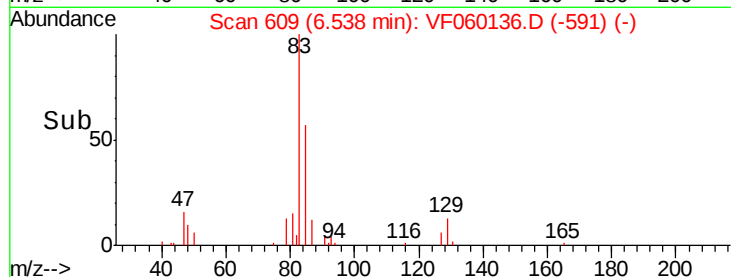
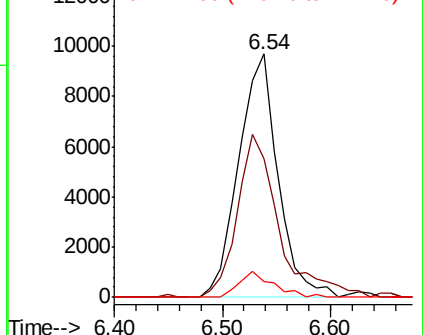
83 100

85 57.1 55.2 82.8

127 6.4 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: 8.12 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

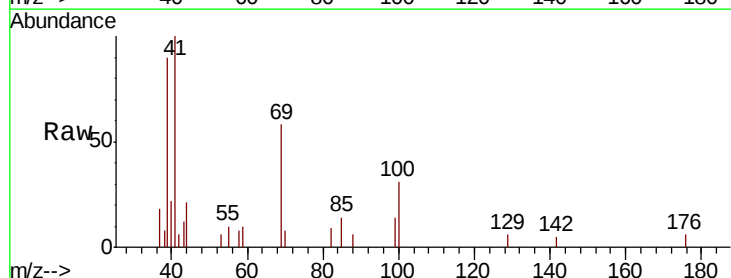
Tgt Ion: 41 Resp: 5173

Ion Ratio Lower Upper

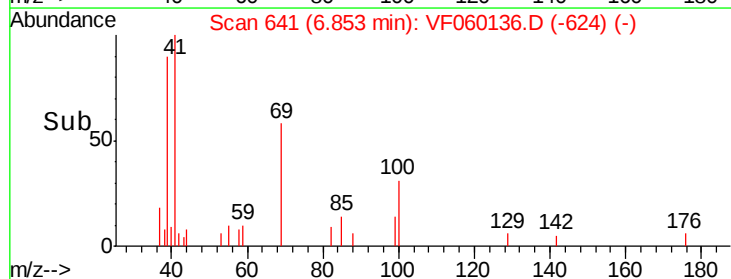
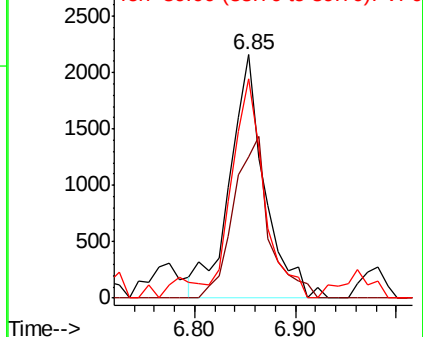
41 100

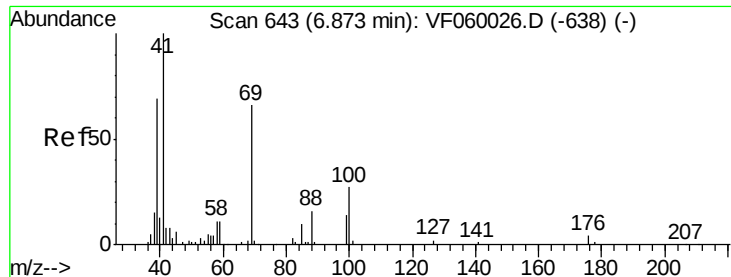
69 58.1 54.6 81.8

39 89.9 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: 168.84 ug/l

RT: 6.83 min Scan# 639

Delta R.T. -0.04 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

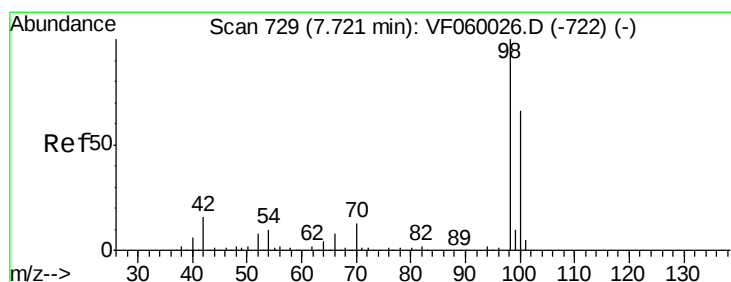
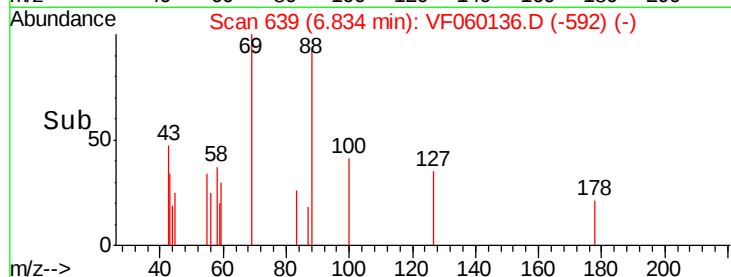
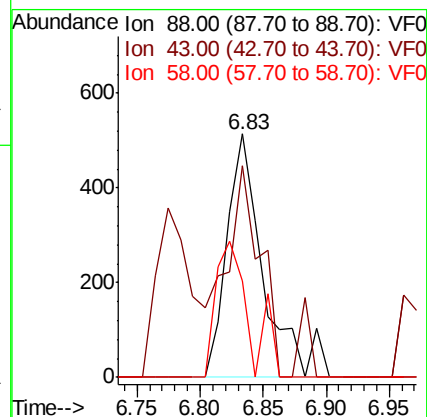
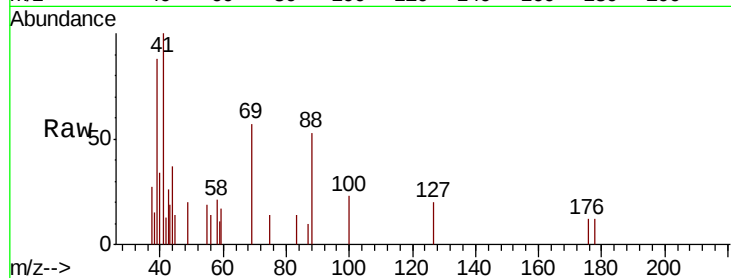
Tot Ion: 88 Resp: 1033

Ion Ratio Lower Upper

88 100

43 87.0 46.5 69.7#

58 39.9 54.8 82.2#



#50

Toluene-d8

Concen: 49.29 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060136.D

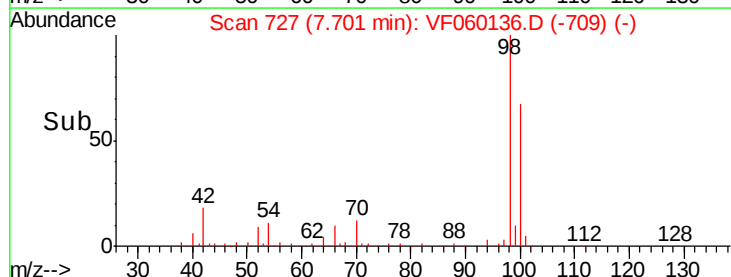
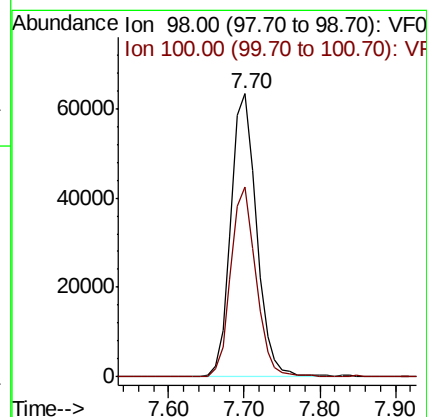
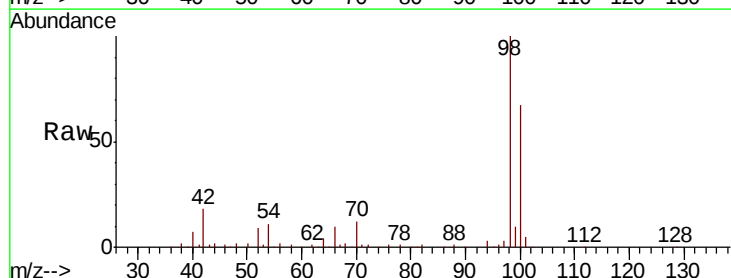
Acq: 27 Aug 2018 20:25

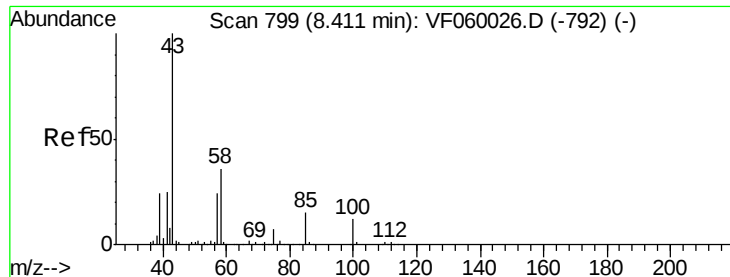
Tgt Ion: 98 Resp: 149670

Ion Ratio Lower Upper

98 100

100 67.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 45.76 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

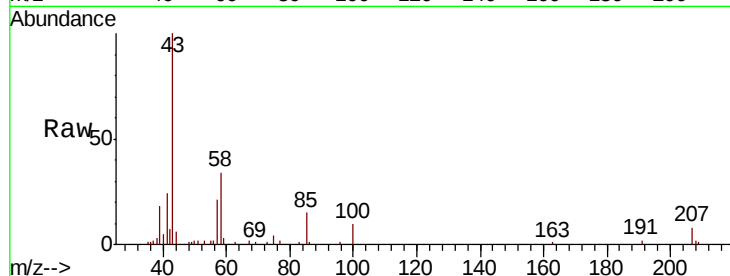
VF0827SBS01

Tot Ion: 43 Resp: 38055

Ion Ratio Lower Upper

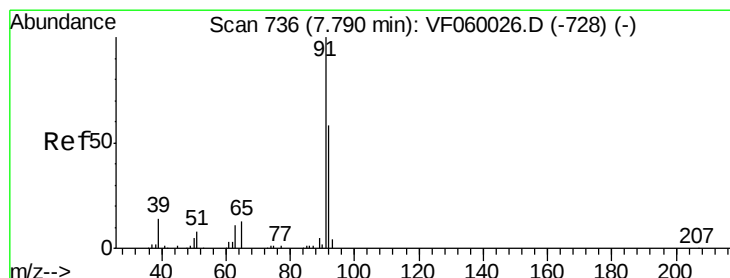
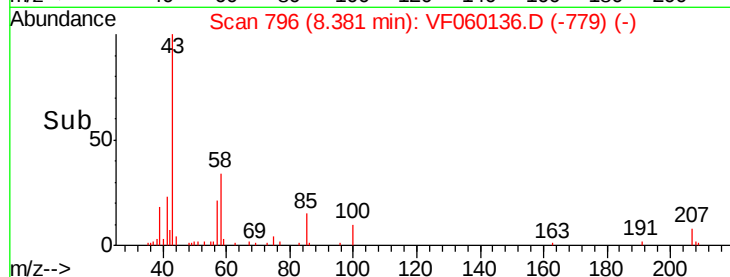
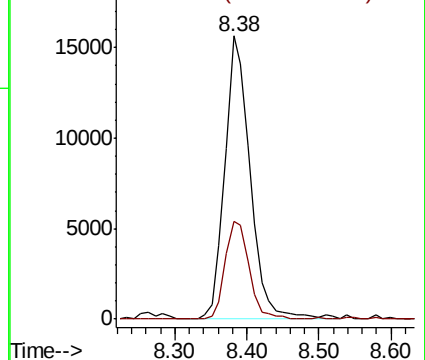
43 100

58 34.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.55 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060136.D

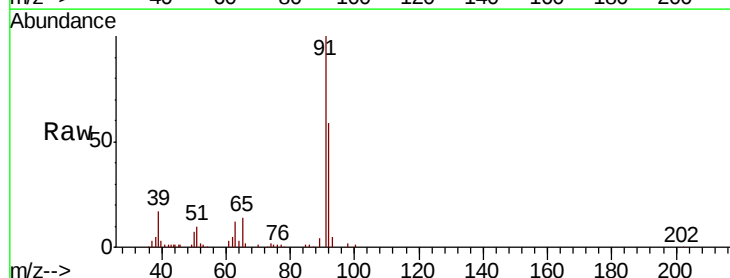
Acq: 27 Aug 2018 20:25

Tgt Ion: 92 Resp: 47018

Ion Ratio Lower Upper

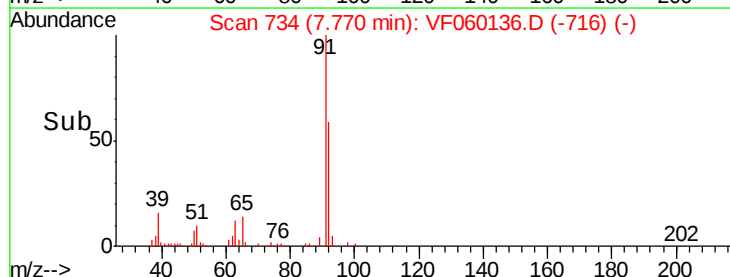
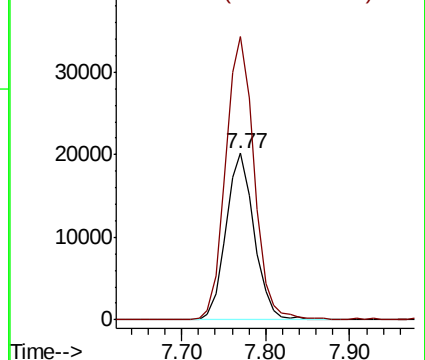
92 100

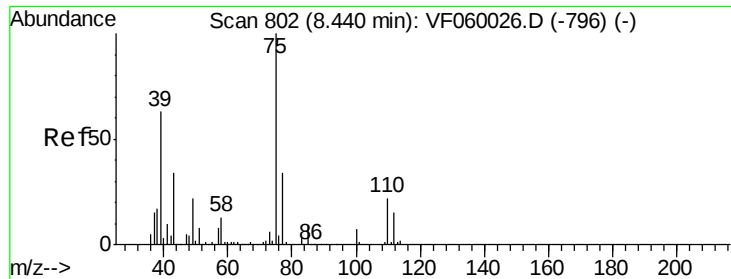
91 170.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 11.74 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.03 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

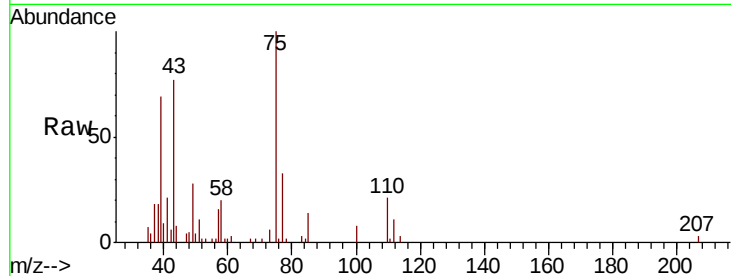
VF0827SBS01

Tot Ion: 75 Resp: 15913

Ion Ratio Lower Upper

75 100

77 33.0 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

6000

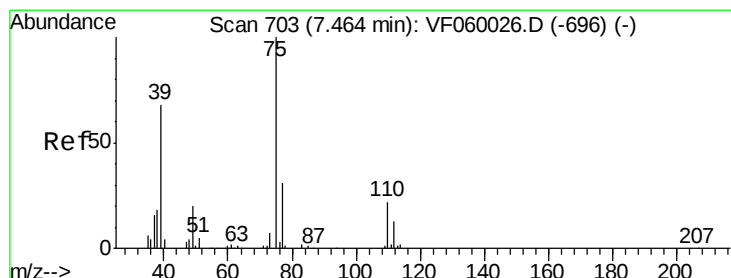
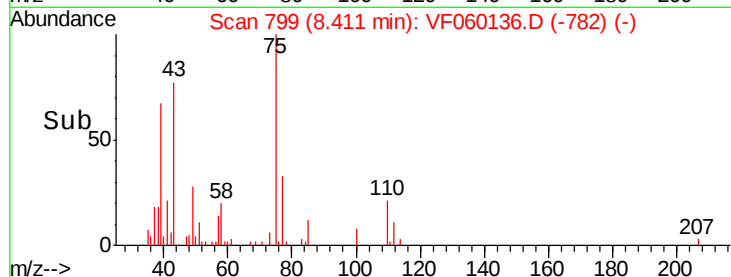
4000

2000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 12.56 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

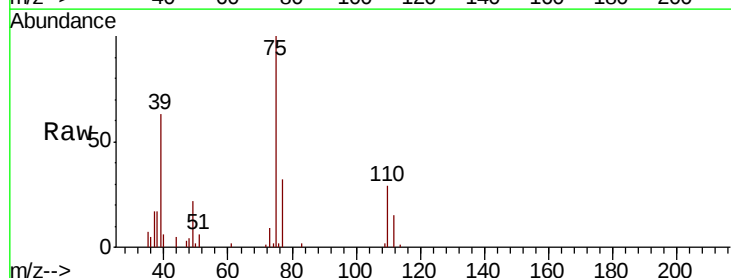
Tgt Ion: 75 Resp: 18990

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

39 63.3 54.6 81.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

12000

10000

8000

6000

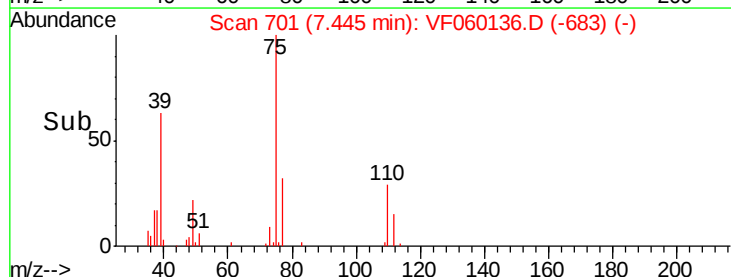
4000

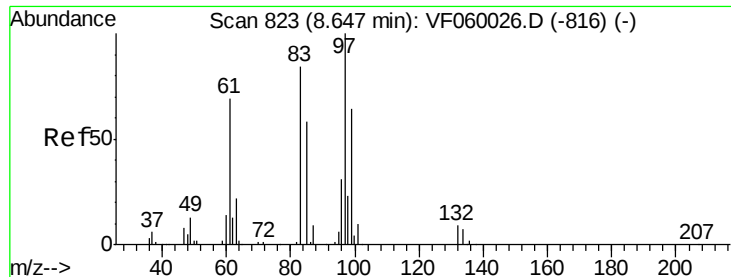
2000

0

7.40 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 12.38 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

Tot Ion: 97 Resp: 9334

Ion	Ratio	Lower	Upper
97	100		
83	74.1	67.4	101.2
85	49.5	46.2	69.2
99	55.7	51.1	76.7

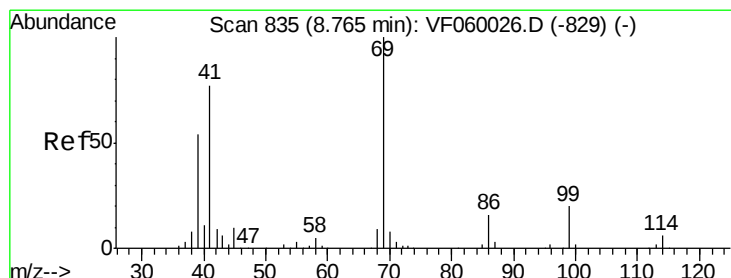
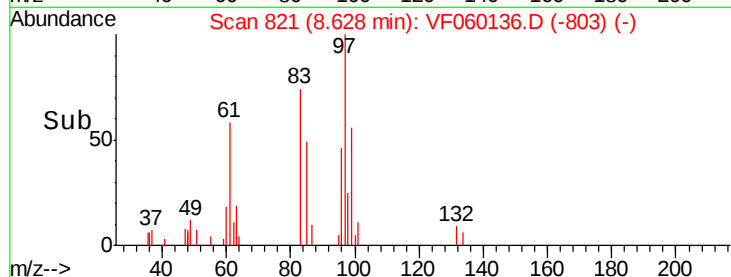
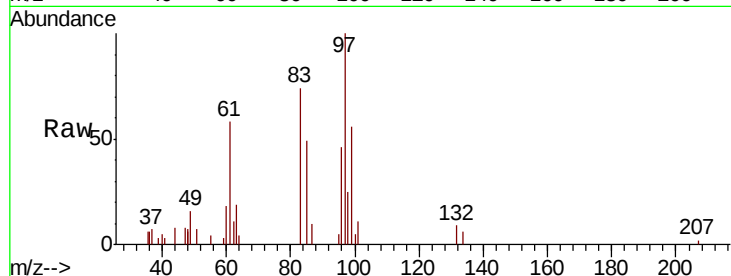
Abundance Ion 97.00 (96.70 to 97.70): VF0

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--> 8.50 8.60 8.70



#56

Ethyl methacrylate

Concen: 8.75 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Tgt Ion: 69 Resp: 7992

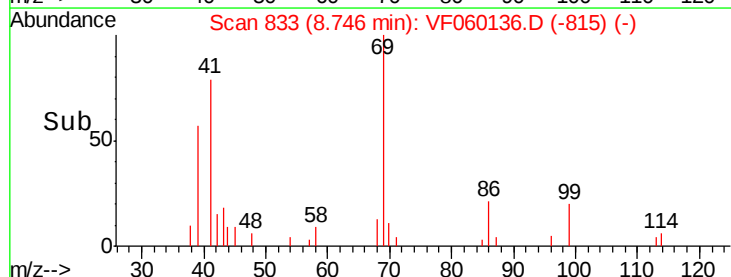
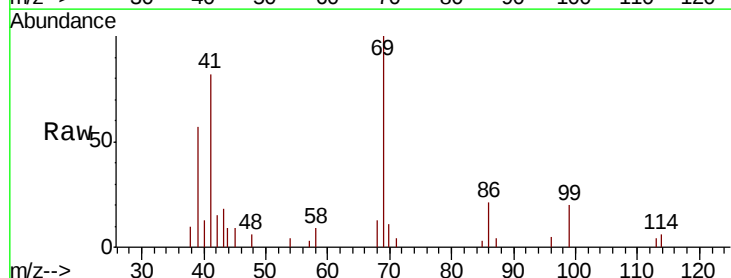
Ion	Ratio	Lower	Upper
69	100		
41	82.2	61.6	92.4
39	57.1	43.9	65.9

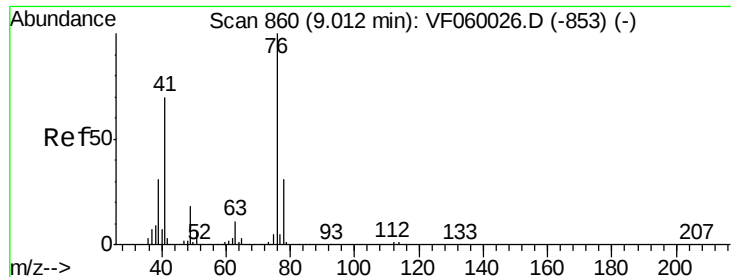
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time--> 8.65 8.70 8.75 8.80





#57

1,3-Dichloropropane

Concen: 11.57 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

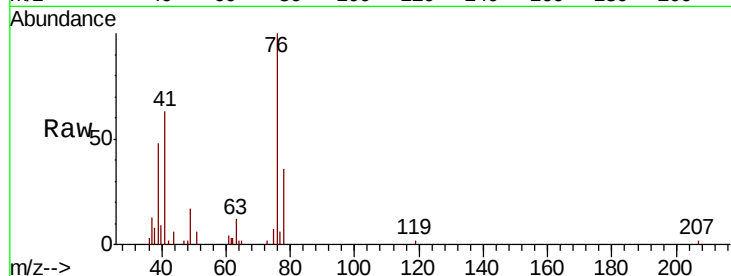
VF0827SBS01

Tot Ion: 76 Resp: 15338

Ion Ratio Lower Upper

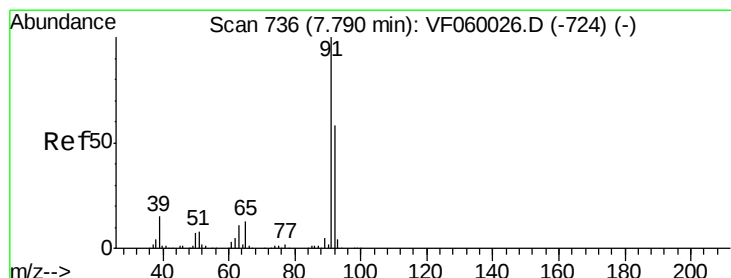
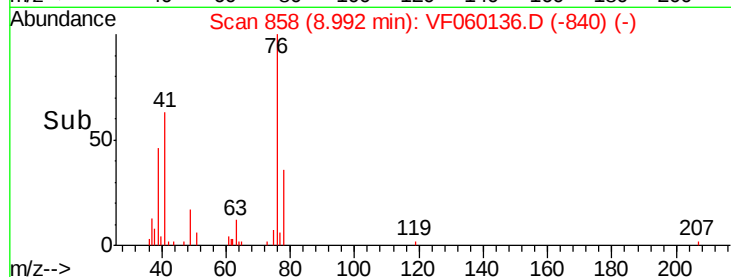
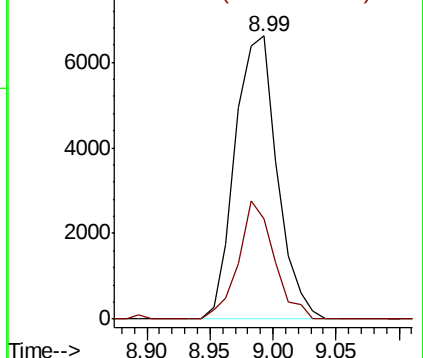
76 100

78 35.5 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: 127.41 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060136.D

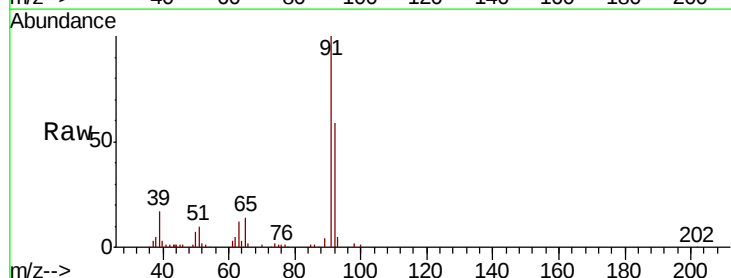
Acq: 27 Aug 2018 20:25

Tgt Ion: 63 Resp: 9232

Ion Ratio Lower Upper

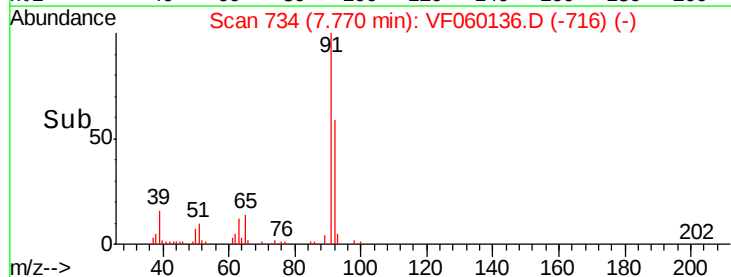
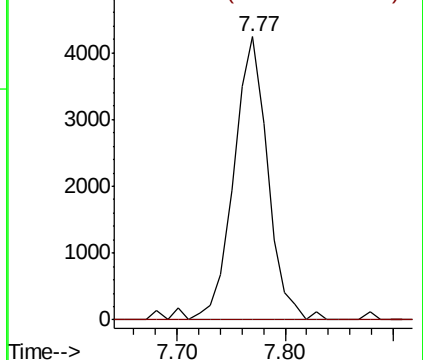
63 100

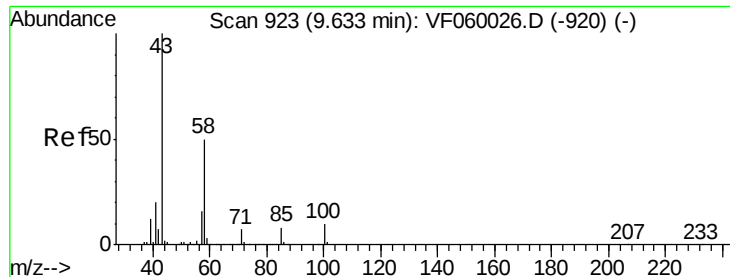
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

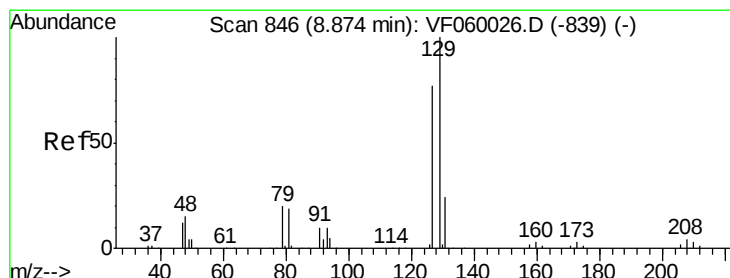
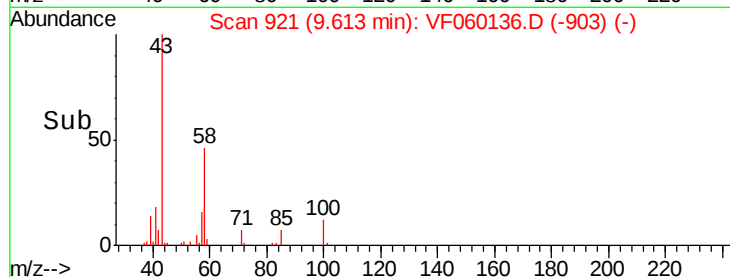
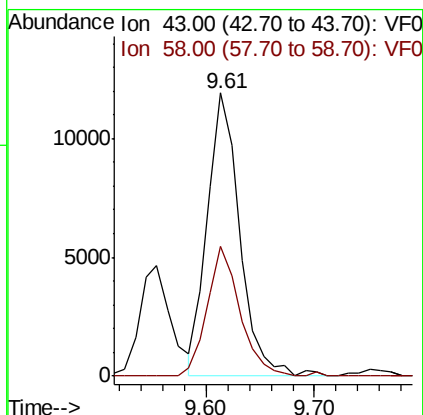
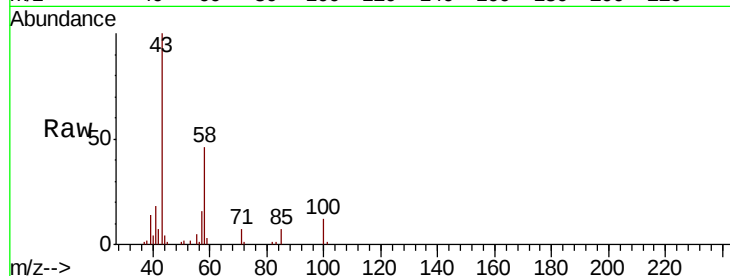




#59
2-Hexanone
Concen: 37.01 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

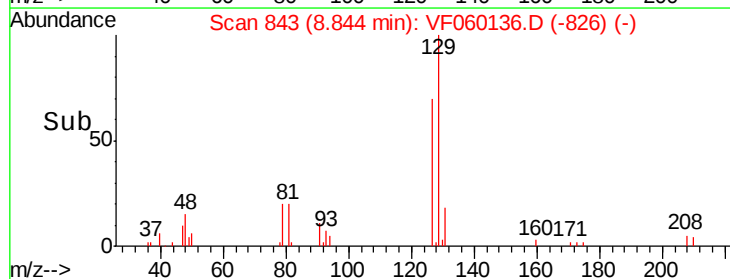
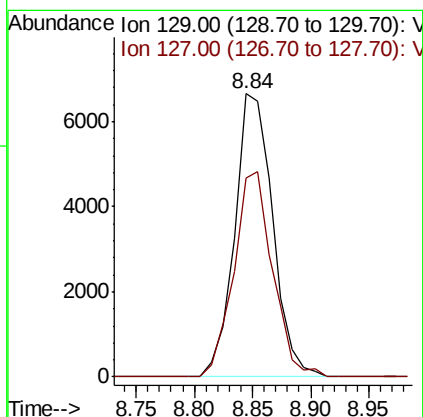
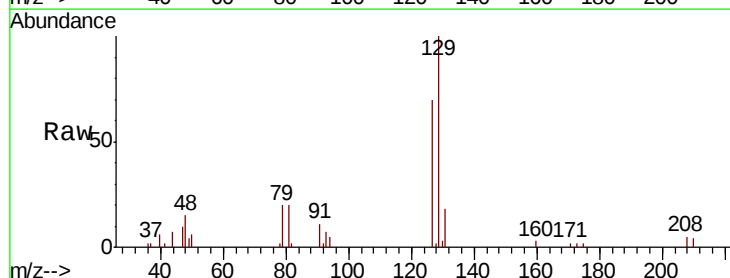
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

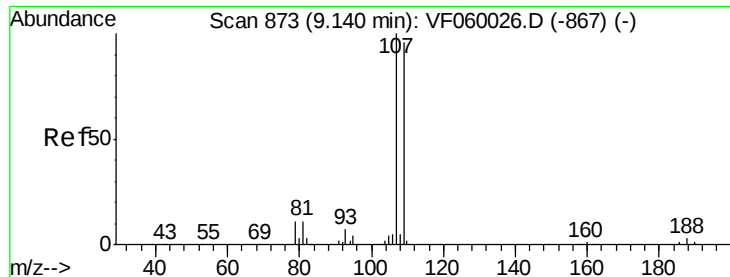
Tot Ion: 43 Resp: 24913
Ion Ratio Lower Upper
43 100
58 46.1 23.4 70.2



#60
Dibromochloromethane
Concen: 13.49 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.03 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion: 129 Resp: 15015
Ion Ratio Lower Upper
129 100
127 70.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 9.48 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

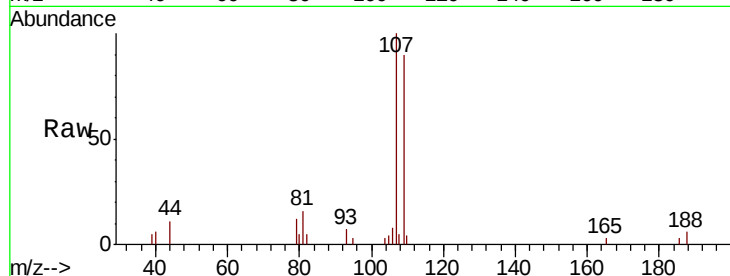
VF0827SBS01

Tot Ion:107 Resp: 8396

Ion Ratio Lower Upper

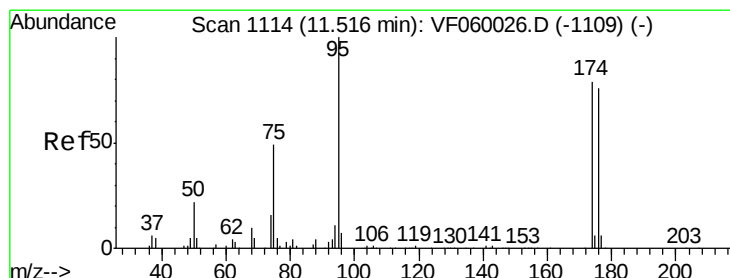
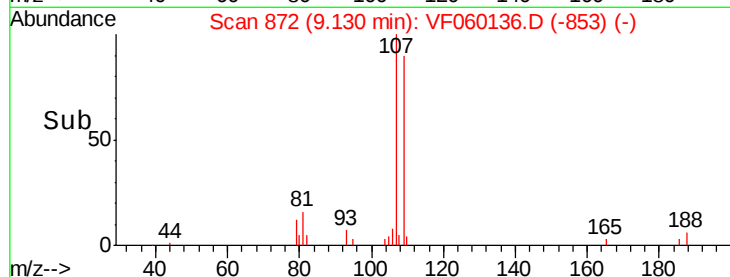
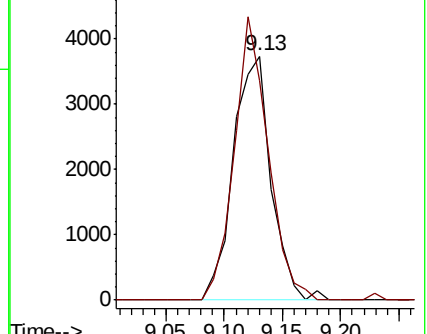
107 100

109 89.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 38.28 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

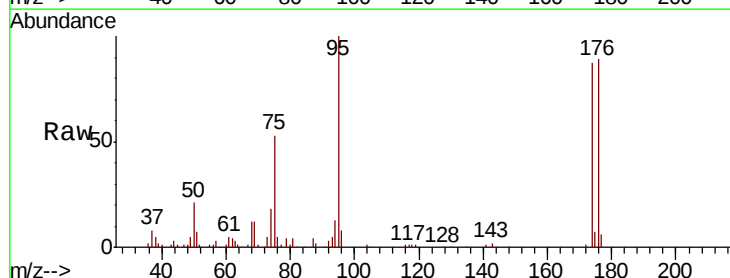
Tgt Ion: 95 Resp: 61491

Ion Ratio Lower Upper

95 100

174 87.0 0.0 158.4

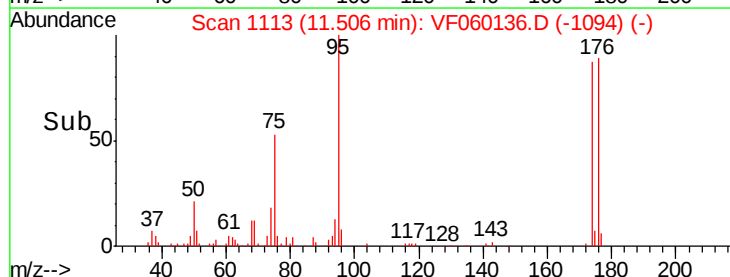
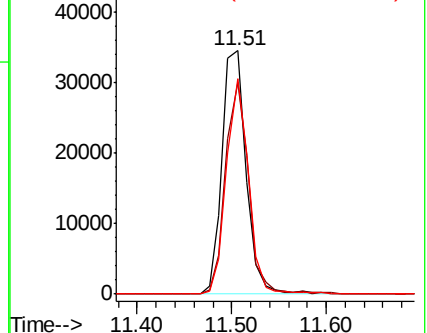
176 88.6 0.0 153.0

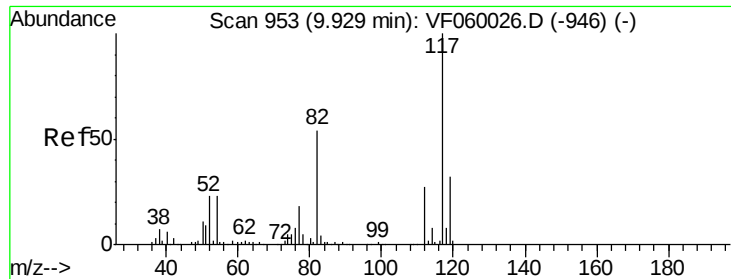


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

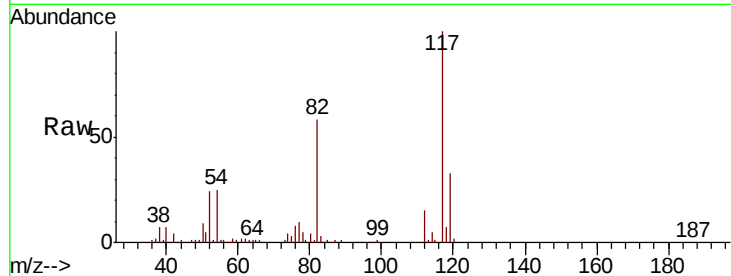




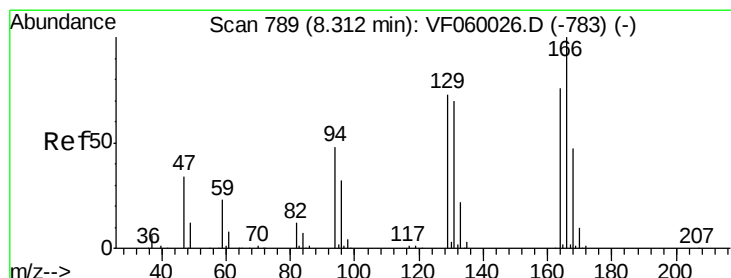
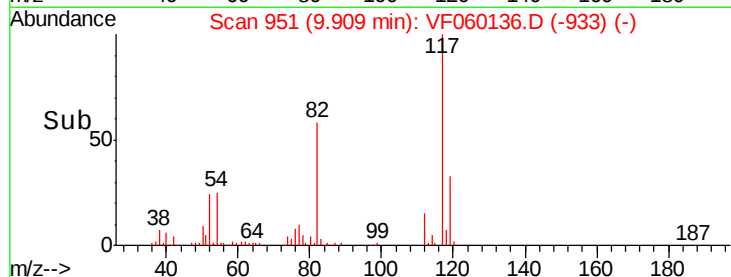
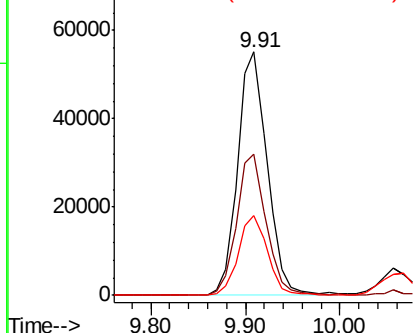
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion:117 Resp: 119703
Ion Ratio Lower Upper
117 100
82 58.1 43.6 65.4
119 32.9 25.6 38.4

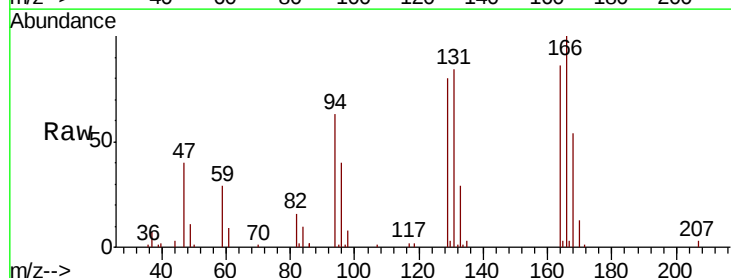


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

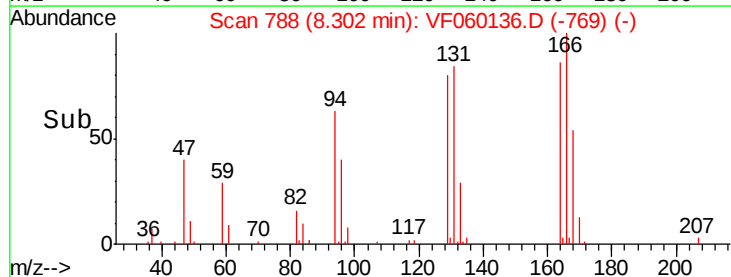
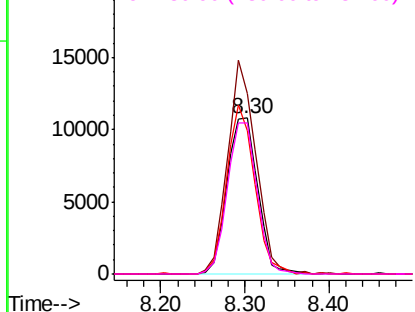


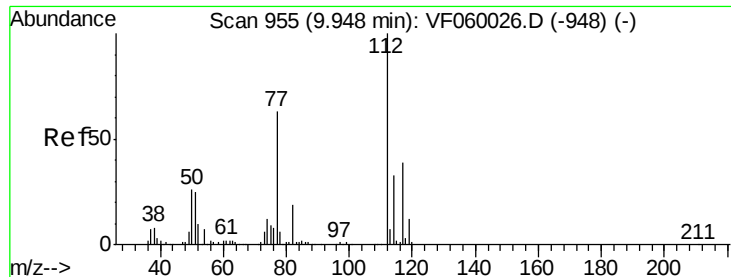
#64
Tetrachloroethene
Concen: 34.15 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion:164 Resp: 27537
Ion Ratio Lower Upper
164 100
166 115.6 104.7 157.1
129 92.3 77.0 115.4
131 97.0 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

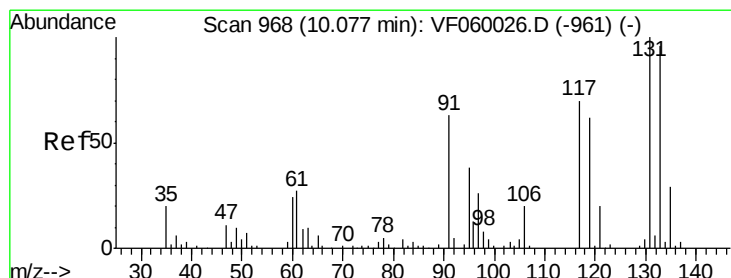
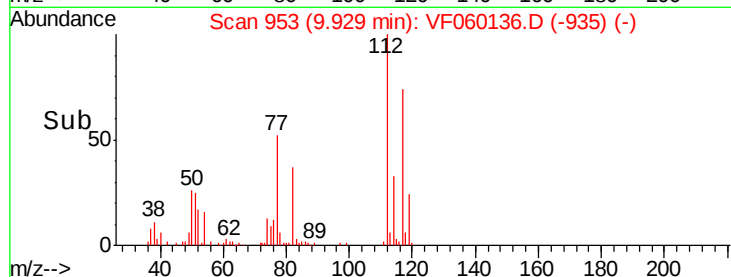
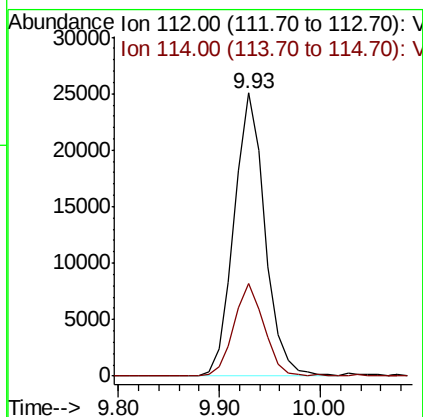
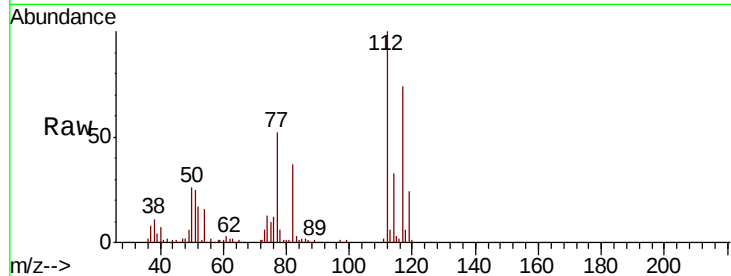




#65
Chlorobenzene
Concen: 23.60 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

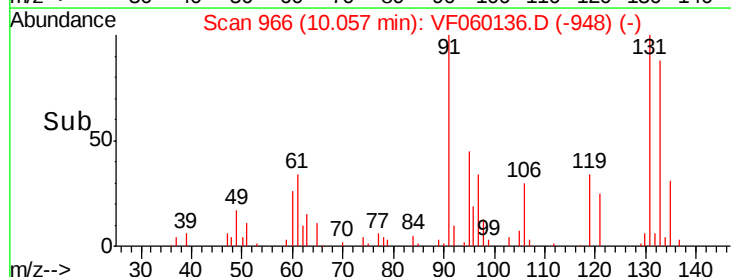
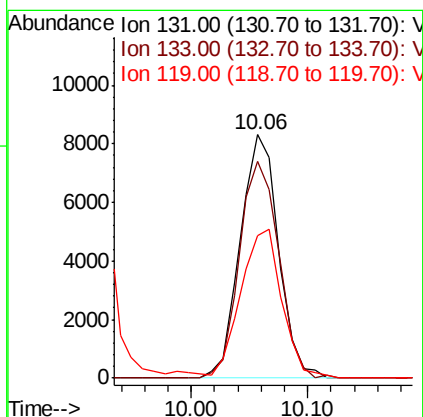
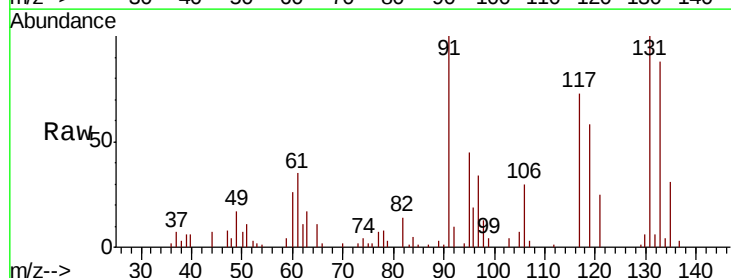
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

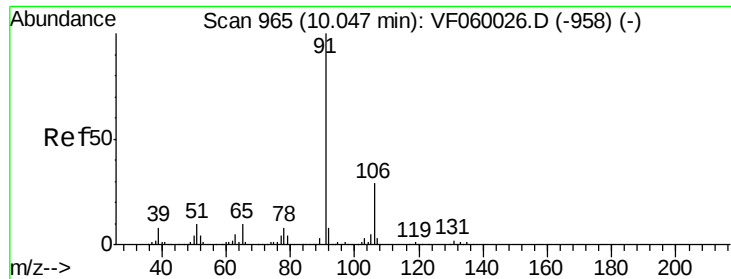
Tot Ion:112 Resp: 53348
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.04 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion:131 Resp: 18894
Ion Ratio Lower Upper
131 100
133 88.9 48.2 144.6
119 58.5 31.4 94.2





#67

Ethyl Benzene

Concen: 28.95 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

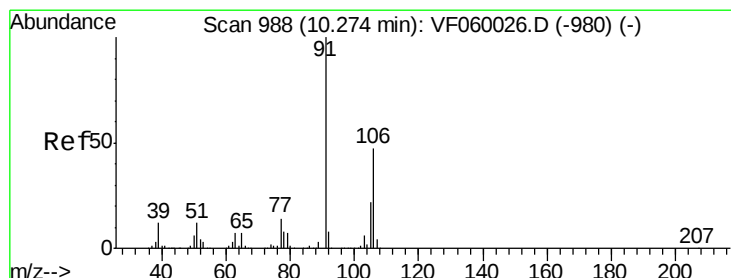
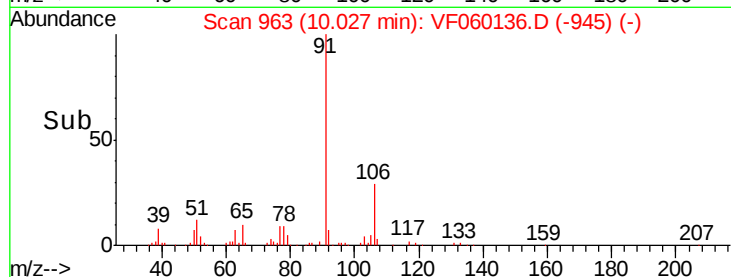
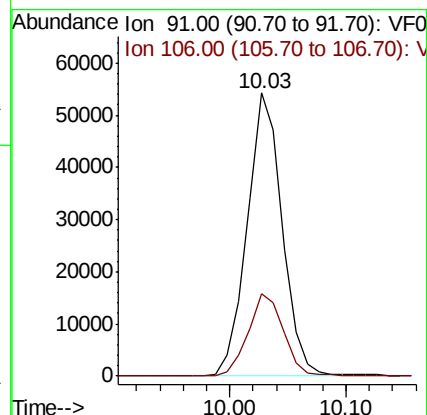
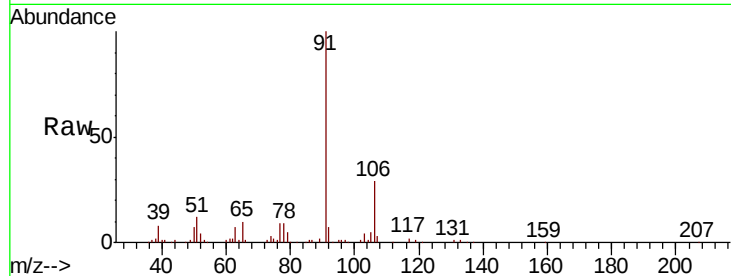
VF0827SBS01

Tot Ion: 91 Resp: 112901

Ion Ratio Lower Upper

91 100

106 29.1 23.6 35.4



#68

m/p-Xylenes

Concen: 58.84 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060136.D

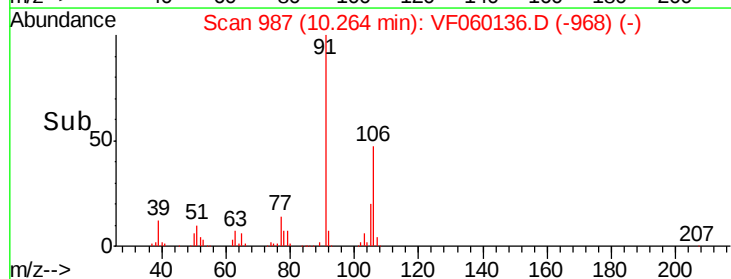
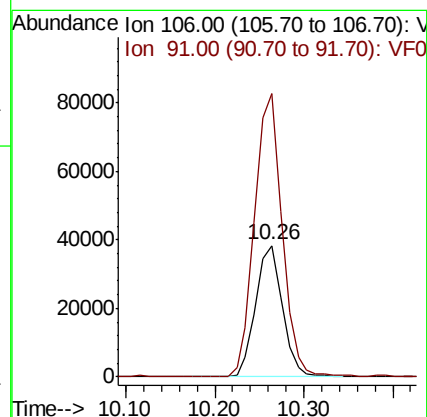
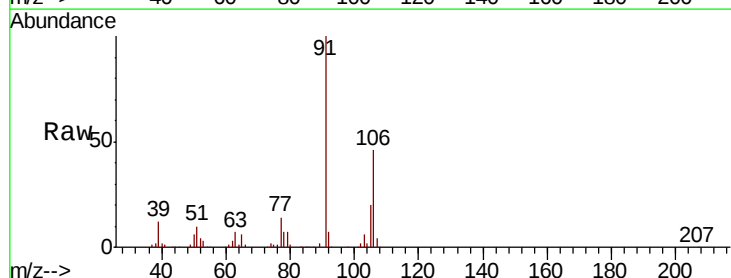
Acq: 27 Aug 2018 20:25

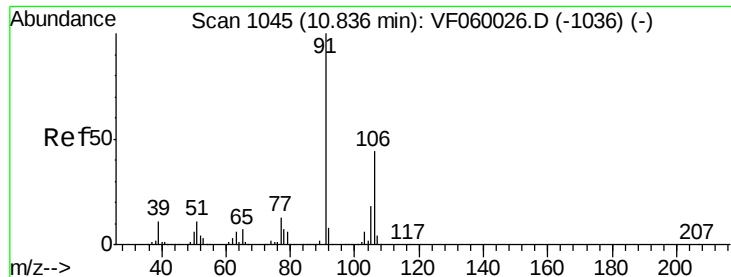
Tgt Ion: 106 Resp: 79964

Ion Ratio Lower Upper

106 100

91 215.2 171.8 257.8

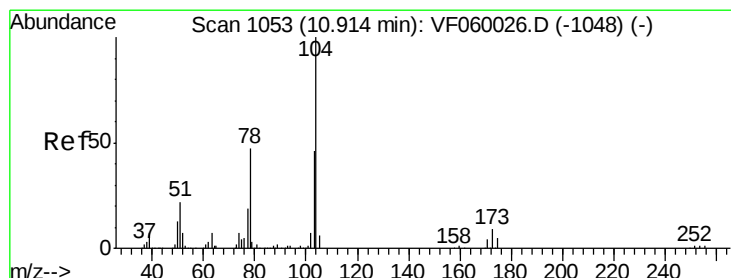
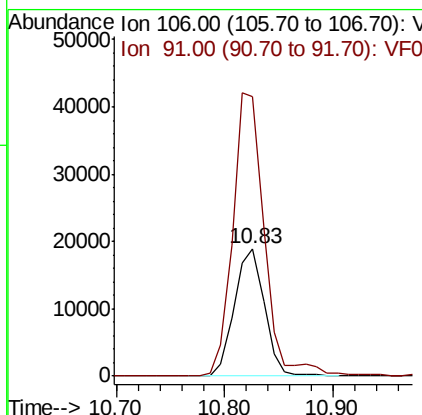
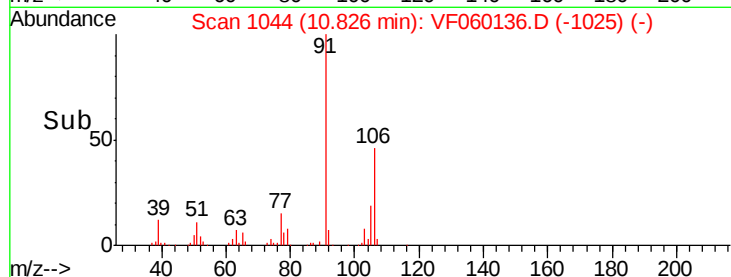
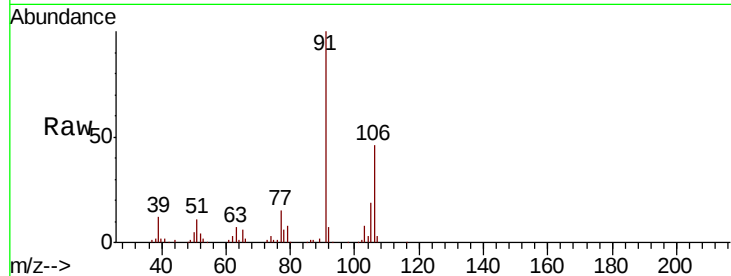




#69
o-Xylene
Concen: 24.05 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

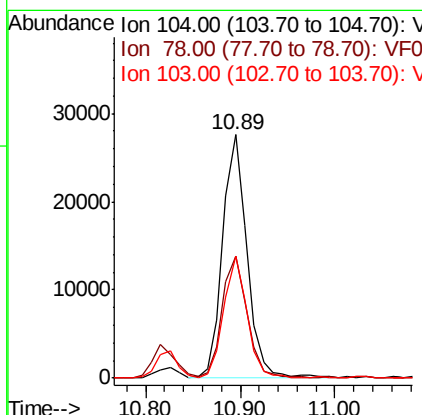
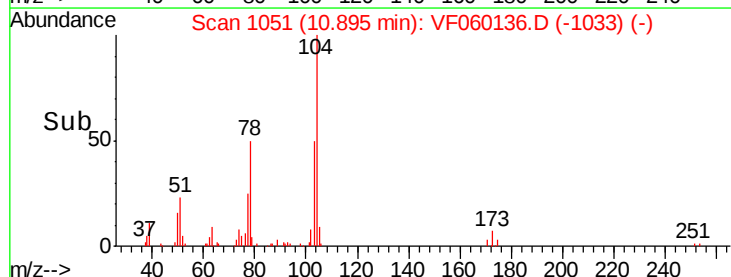
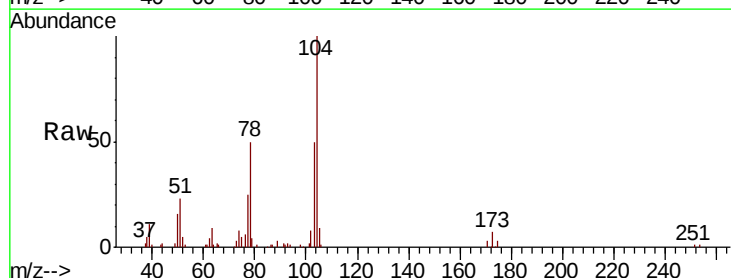
Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion:106 Resp: 36749
Ion Ratio Lower Upper
106 100
91 219.4 112.5 337.5



#70
Styrene
Concen: 21.00 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion:104 Resp: 49229
Ion Ratio Lower Upper
104 100
78 49.9 38.0 57.0
103 50.0 37.6 56.4





#71

Bromoform

Concen: 13.10 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

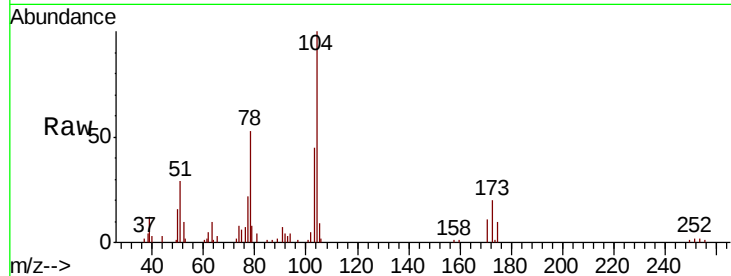
Tot Ion:173 Resp: 7836

Ion Ratio Lower Upper

173 100

175 47.5 24.7 74.1

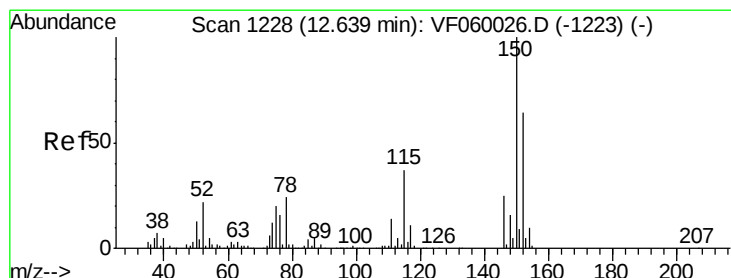
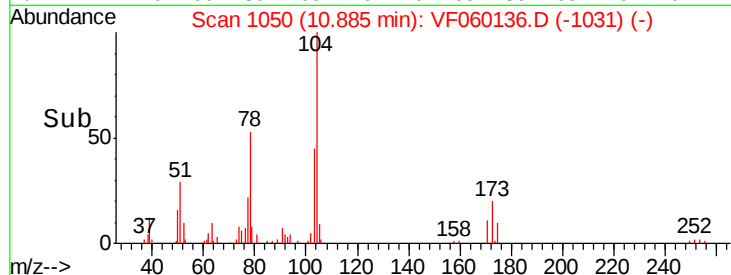
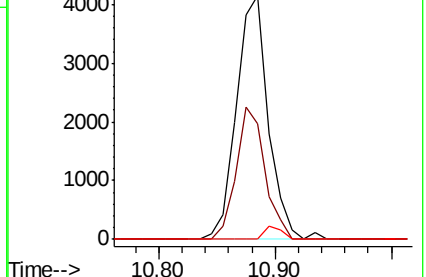
254 0.0 0.0 0.0



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: VF060136.D

Acq: 27 Aug 2018 20:25

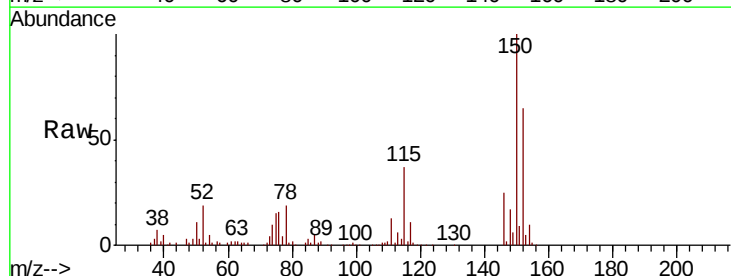
Tgt Ion:152 Resp: 66425

Ion Ratio Lower Upper

152 100

115 56.2 28.6 85.9

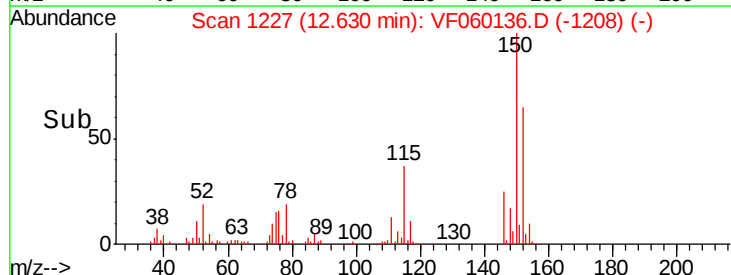
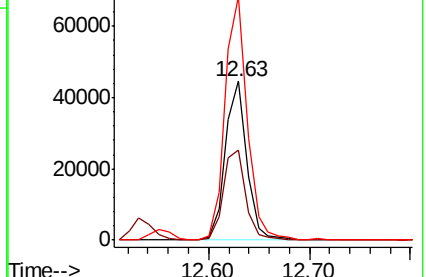
150 153.1 0.0 312.0

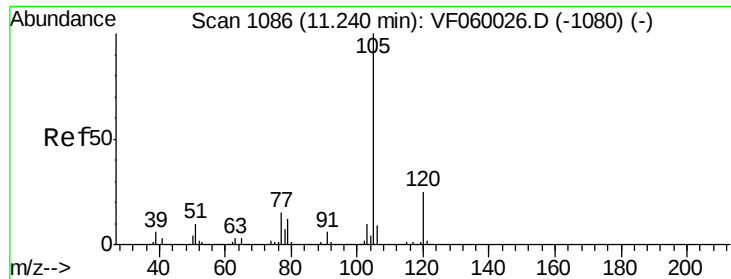


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 34.50 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

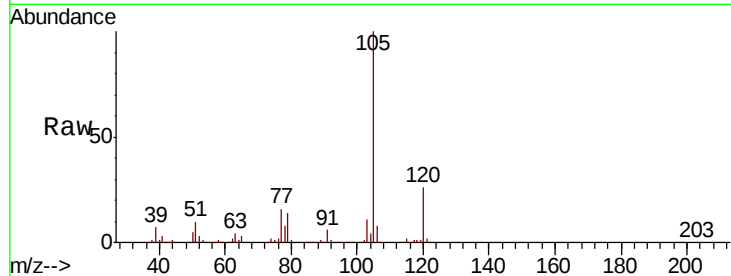
VF0827SBS01

Tot Ion:105 Resp: 137937

Ion Ratio Lower Upper

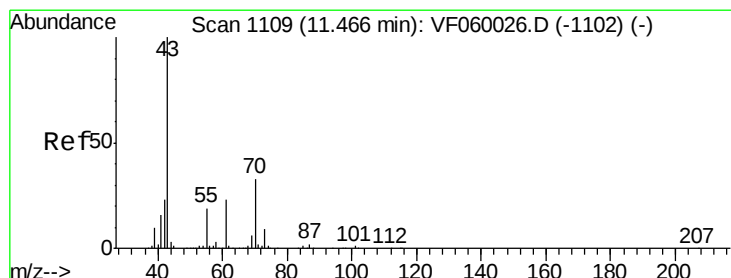
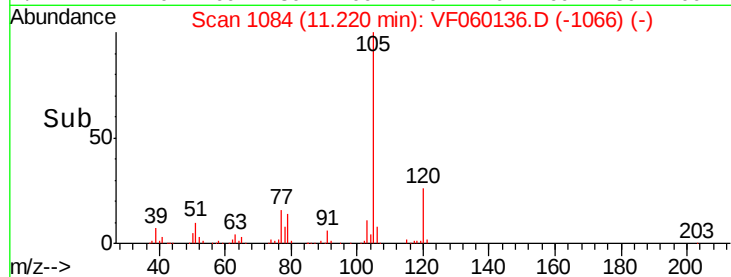
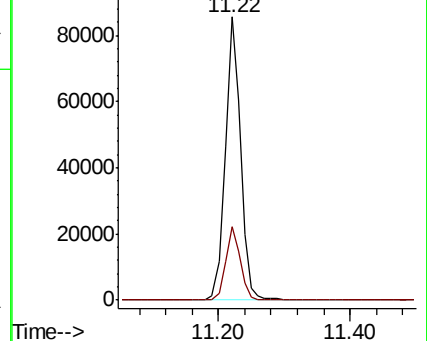
105 100

120 25.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.33 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Tgt Ion: 43 Resp: 12835

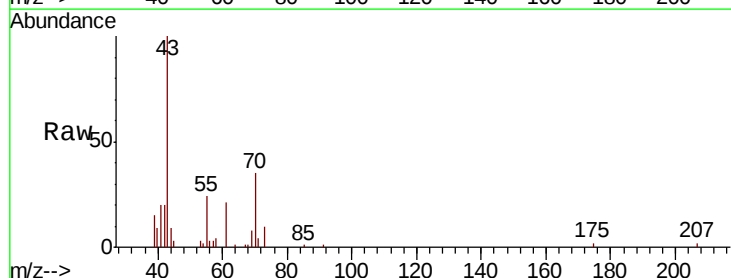
Ion Ratio Lower Upper

43 100

70 35.1 26.4 39.6

55 23.9 15.0 22.4#

61 21.0 18.4 27.6

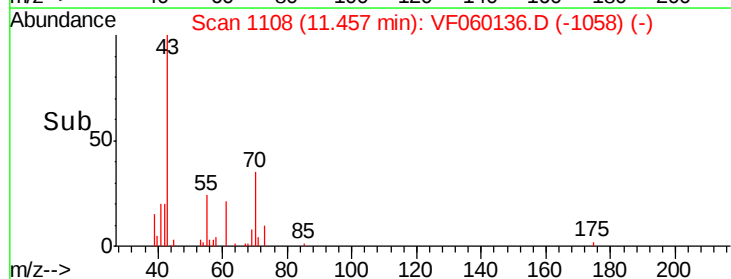
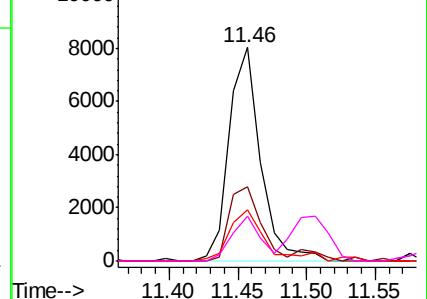


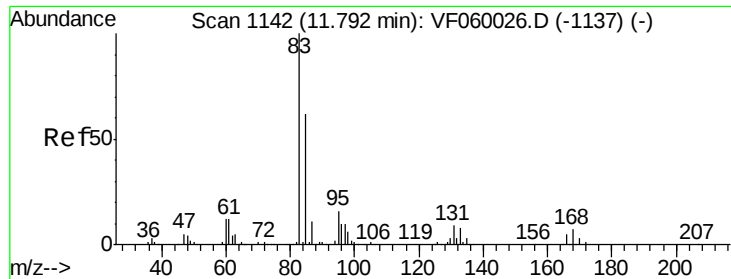
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 13.47 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

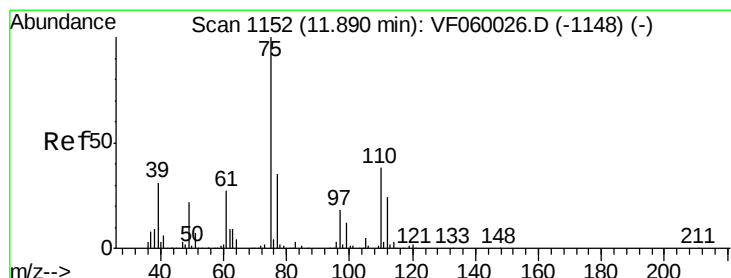
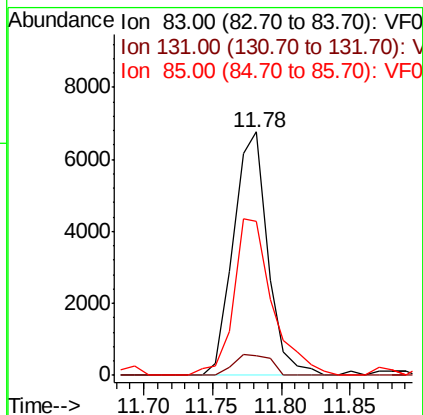
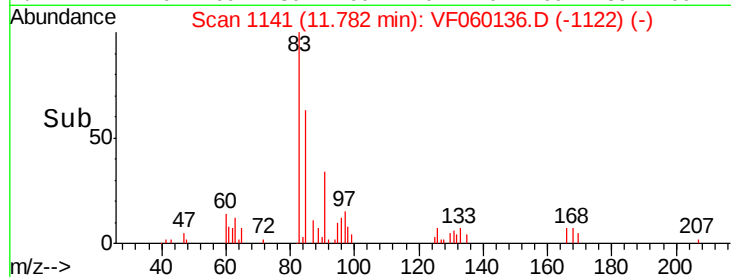
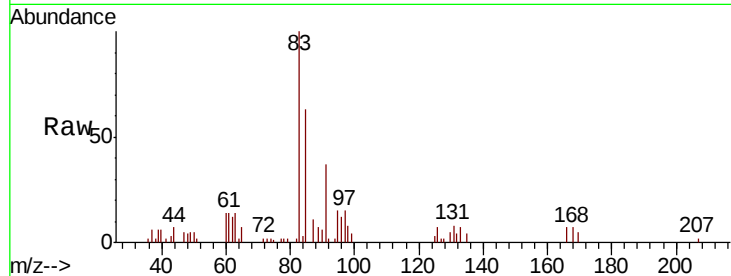
Tot Ion: 83 Resp: 11760

Ion Ratio Lower Upper

83 100

131 8.1 4.5 13.7

85 63.2 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 14.00 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060136.D

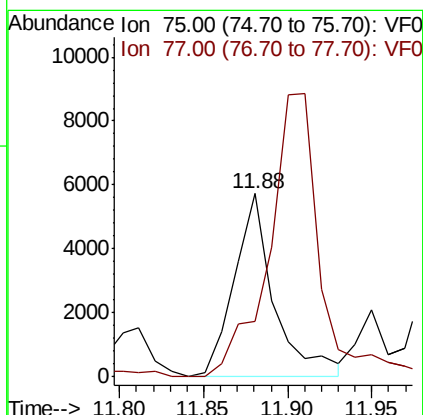
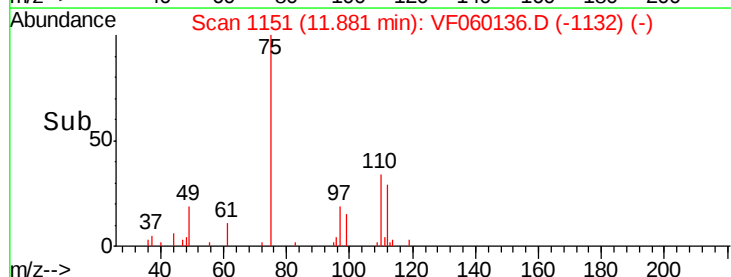
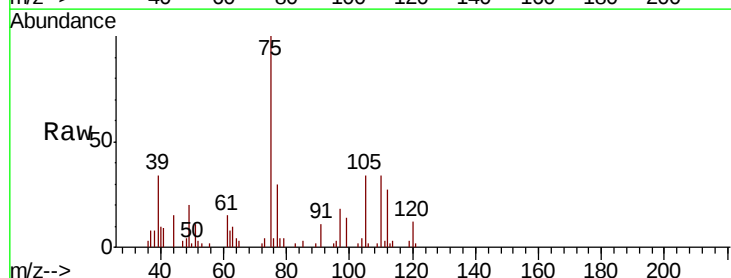
Acq: 27 Aug 2018 20:25

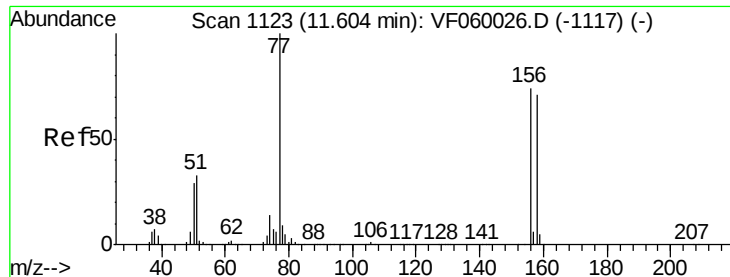
Tgt Ion: 75 Resp: 9481

Ion Ratio Lower Upper

75 100

77 30.2 17.3 52.0





#77

Bromobenzene

Concen: 21.57 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

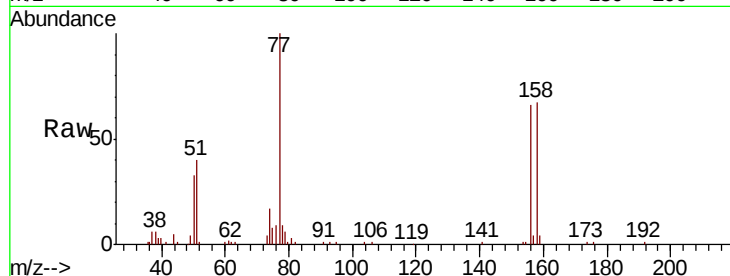
Tot Ion:156 Resp: 23451

Ion Ratio Lower Upper

156 100

77 152.2 68.0 204.0

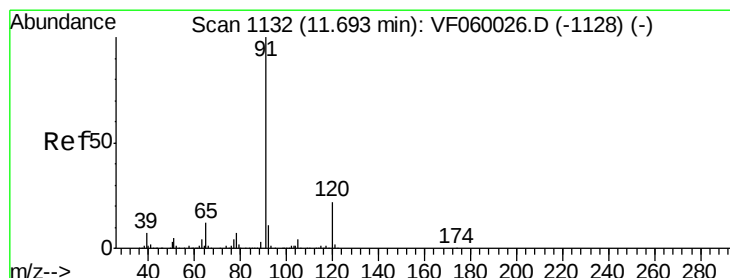
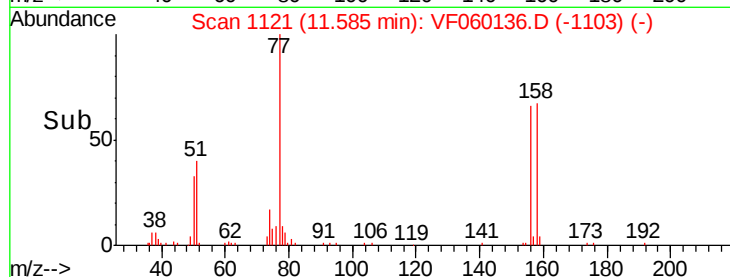
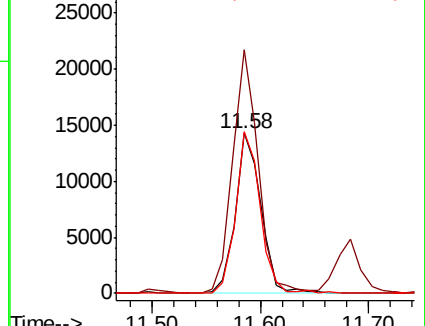
158 101.2 48.4 145.3



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: 34.82 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060136.D

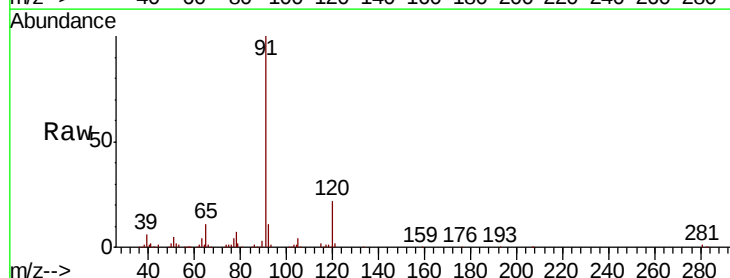
Acq: 27 Aug 2018 20:25

Tgt Ion: 91 Resp: 171820

Ion Ratio Lower Upper

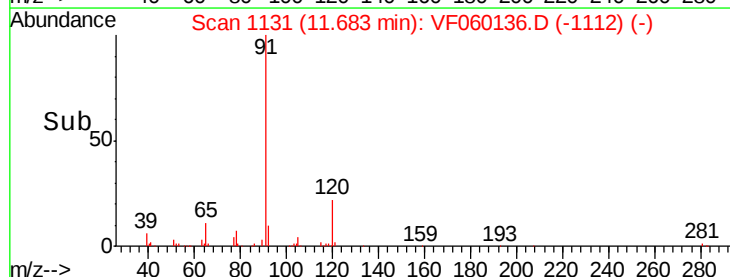
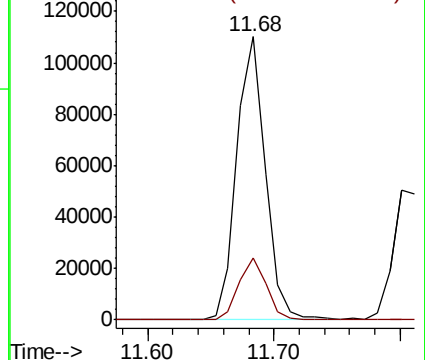
91 100

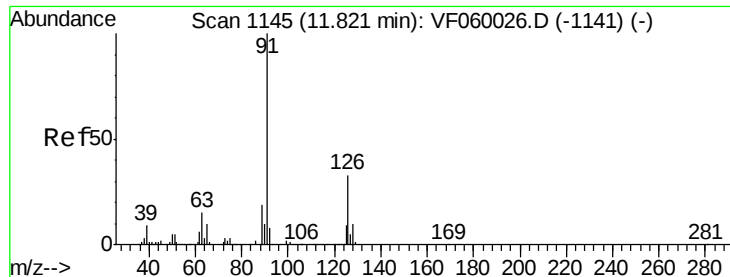
120 22.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

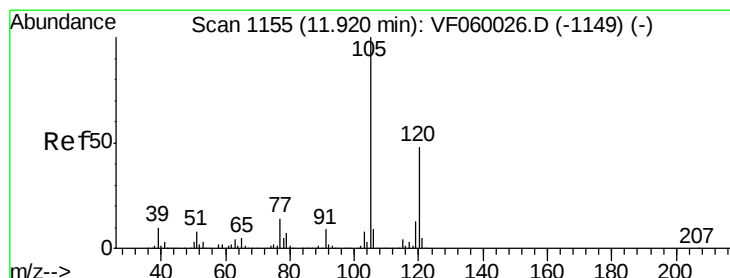
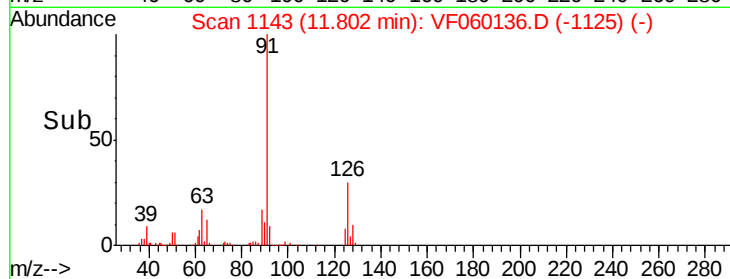
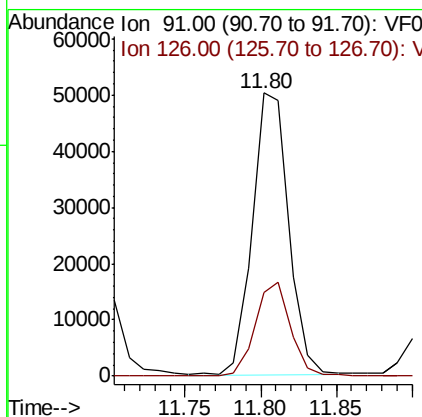
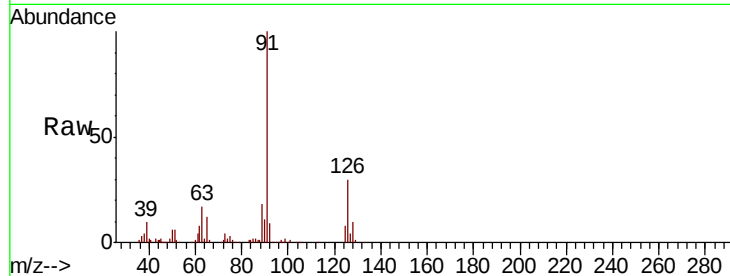




#79
 2-Chlorotoluene
 Concen: 28.90 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.02 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

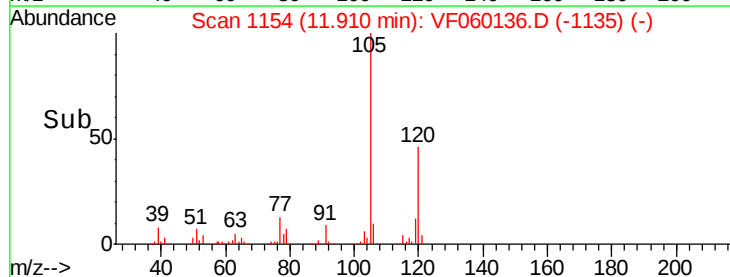
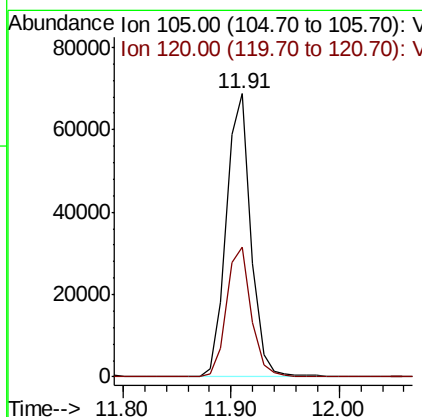
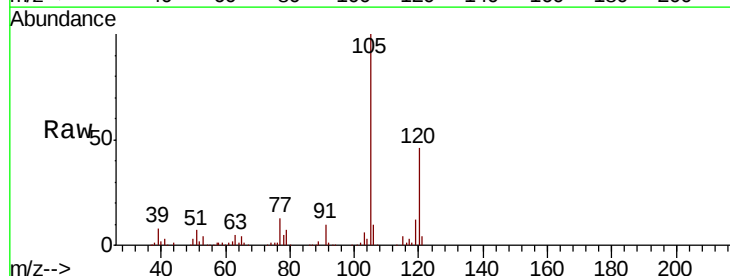
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

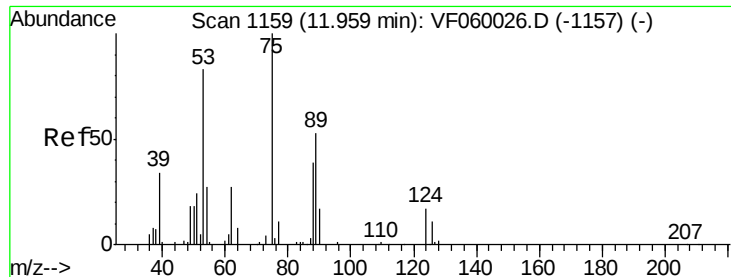
Tot Ion: 91 Resp: 83855
 Ion Ratio Lower Upper
 91 100
 126 29.6 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 31.37 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Tgt Ion:105 Resp: 109264
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.8 71.5

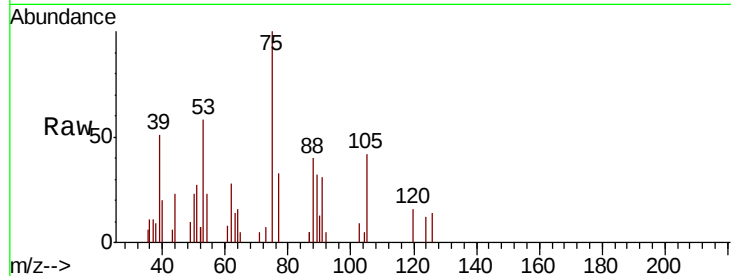




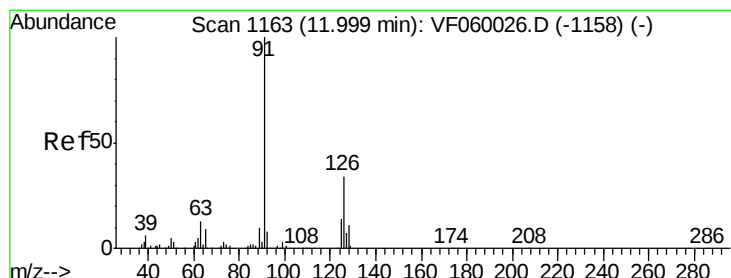
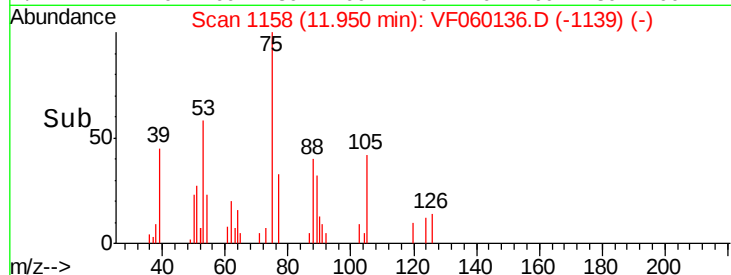
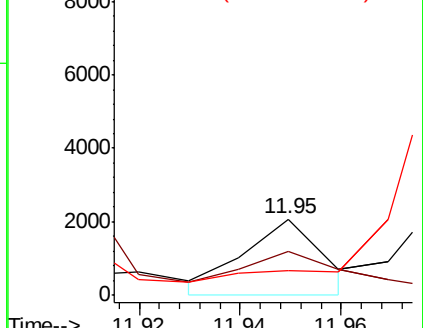
#81
trans-1,4-Dichloro-2-butene
Concen: 7.25 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0827SBS01

Tot Ion: 75 Resp: 2245
Ion Ratio Lower Upper
75 100
53 57.7 66.2 99.4#
89 31.7 42.8 64.2#

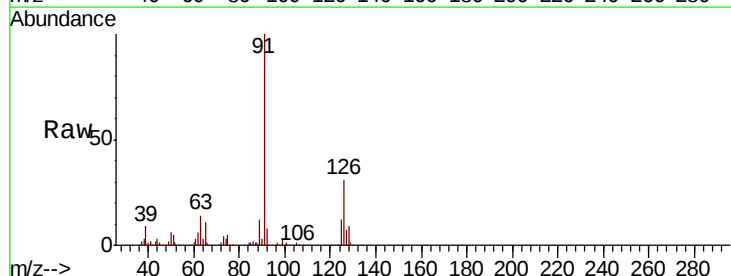


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

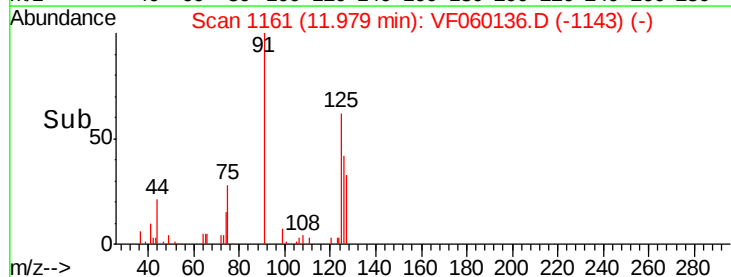
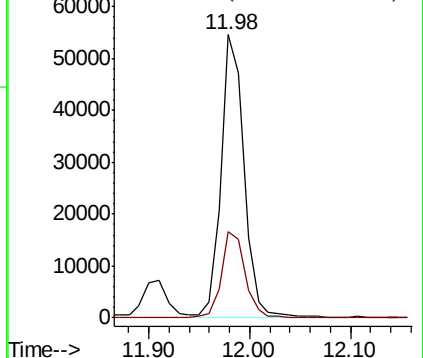


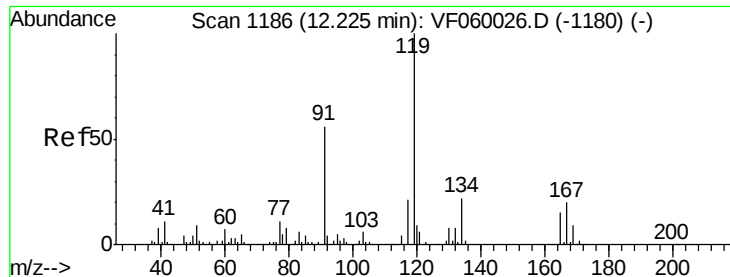
#82
4-Chlorotoluene
Concen: 27.43 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.02 min
Lab File: VF060136.D
Acq: 27 Aug 2018 20:25

Tgt Ion: 91 Resp: 86434
Ion Ratio Lower Upper
91 100
126 30.6 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

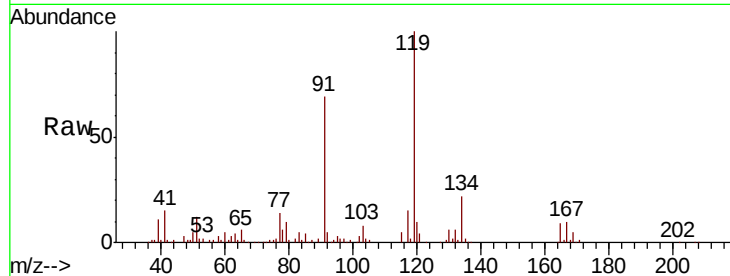




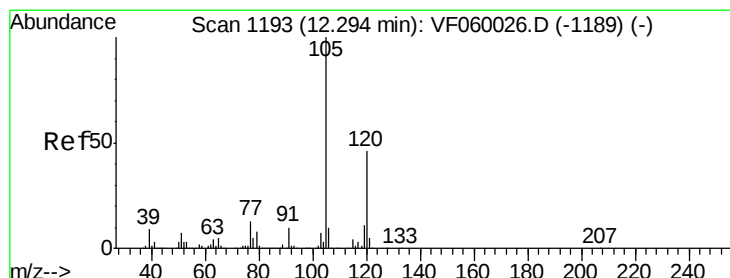
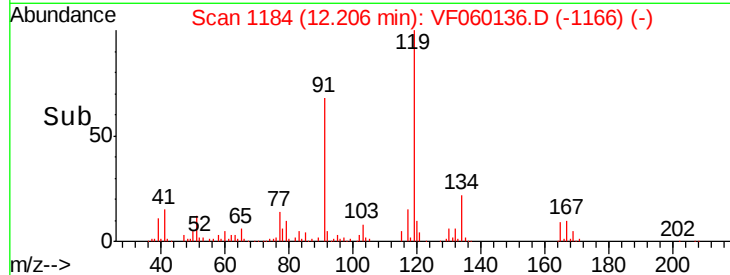
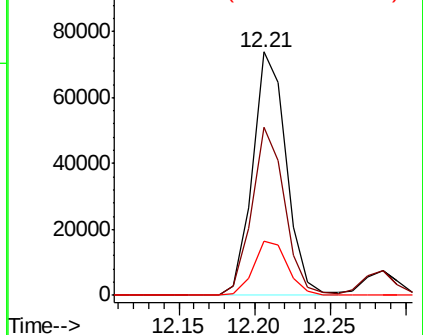
#83
 tert-Butylbenzene
 Concen: 33.82 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	28.1	84.3
134	22.3	11.1	33.3

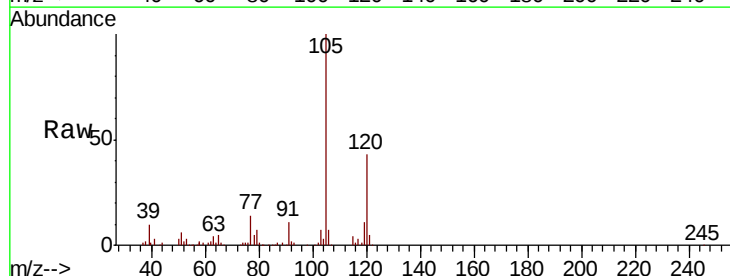


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

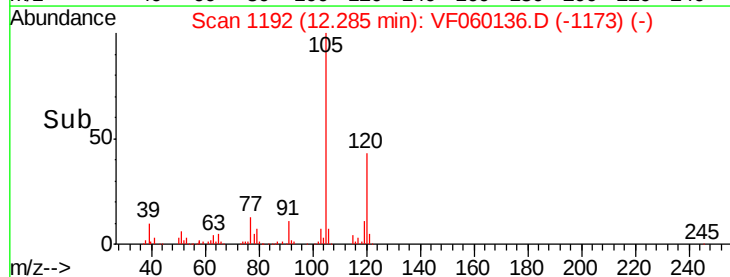
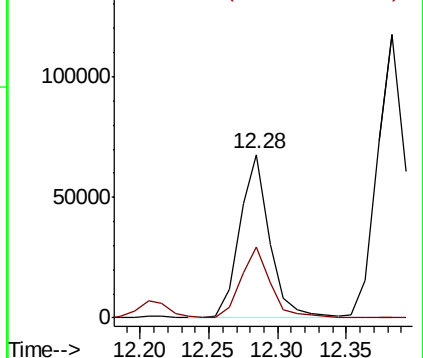


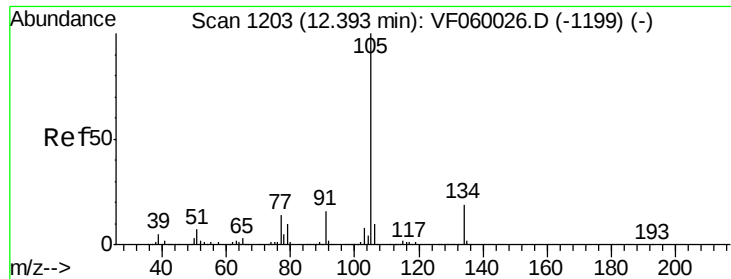
#84
 1,2,4-Trimethylbenzene
 Concen: 27.66 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	23.3	69.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 36.35 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

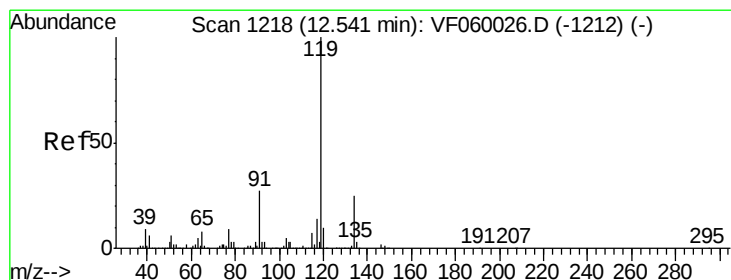
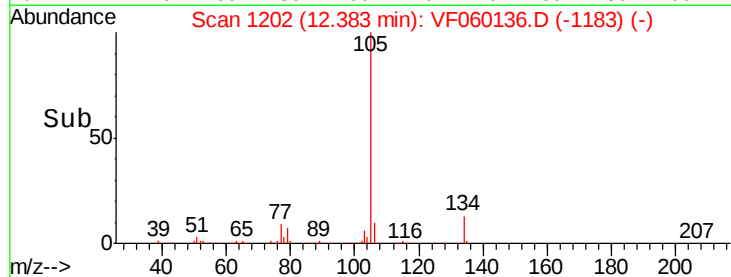
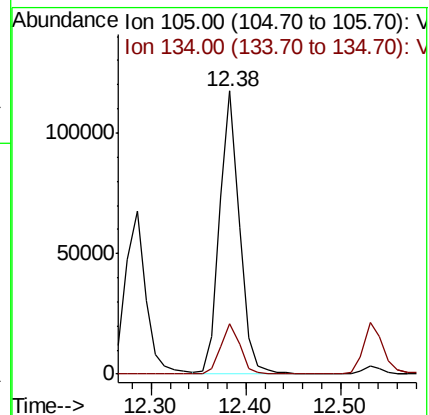
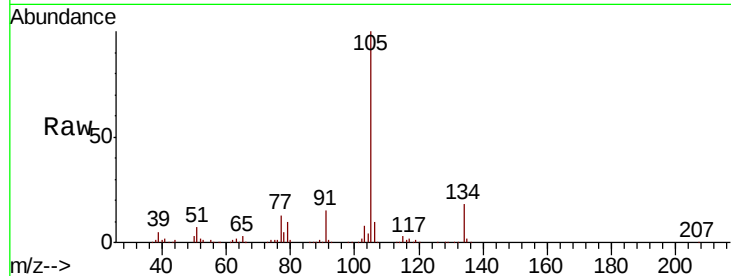
VF0827SBS01

Tot Ion:105 Resp: 171946

Ion Ratio Lower Upper

105 100

134 17.9 9.3 27.9



#86

p-Isopropyltoluene

Concen: 32.55 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

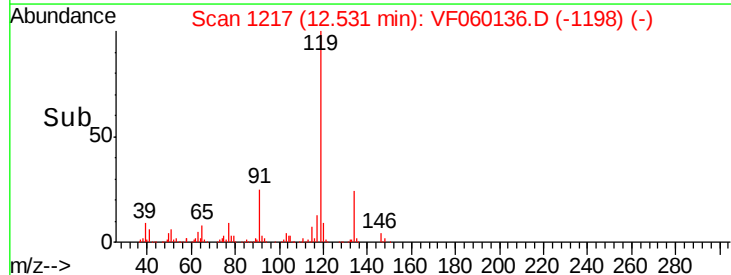
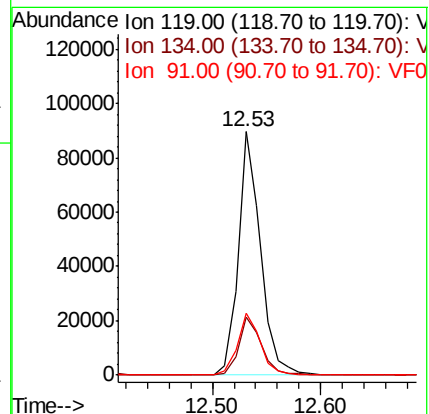
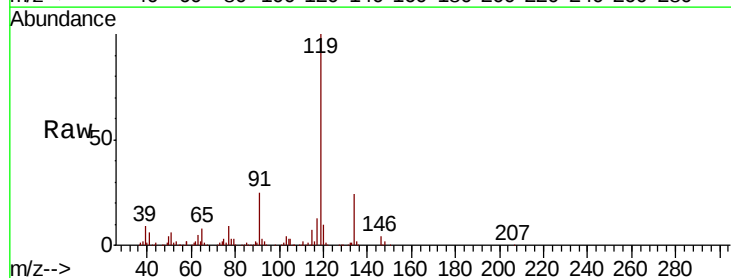
Tgt Ion:119 Resp: 127738

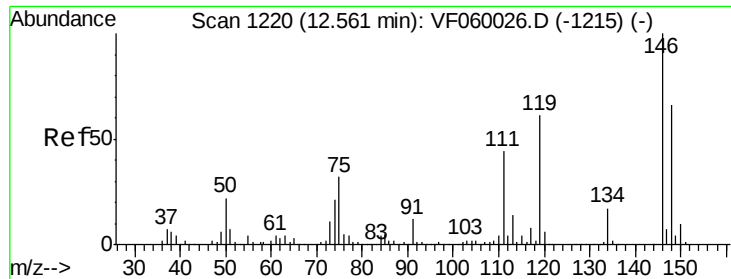
Ion Ratio Lower Upper

119 100

134 23.7 12.4 37.2

91 25.3 13.5 40.4

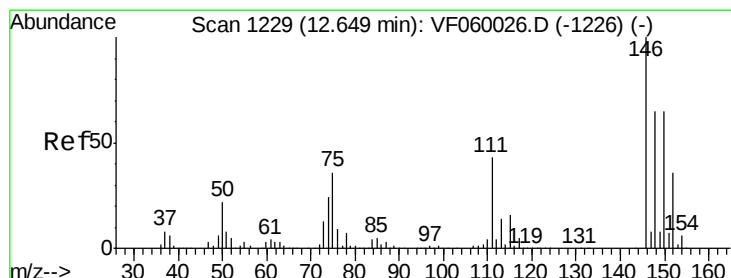
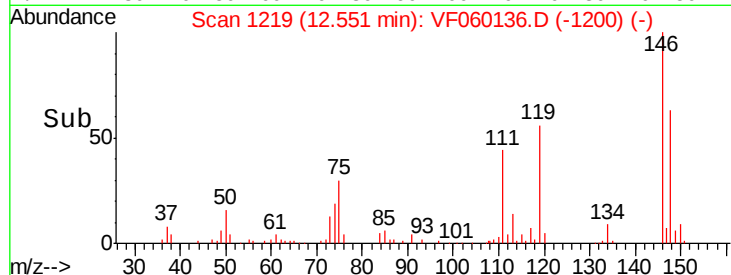
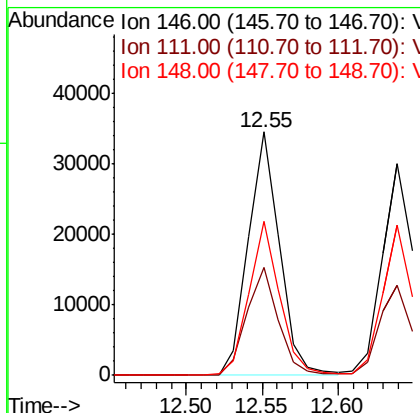
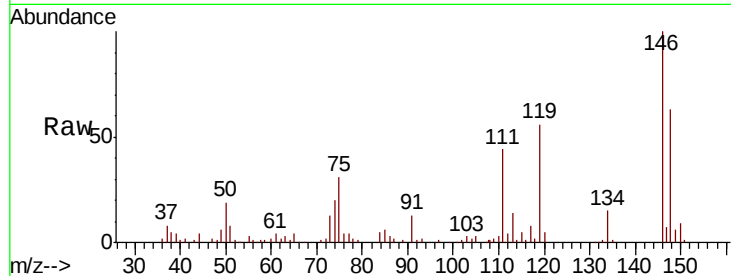




#87
 1,3-Dichlorobenzene
 Concen: 24.93 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

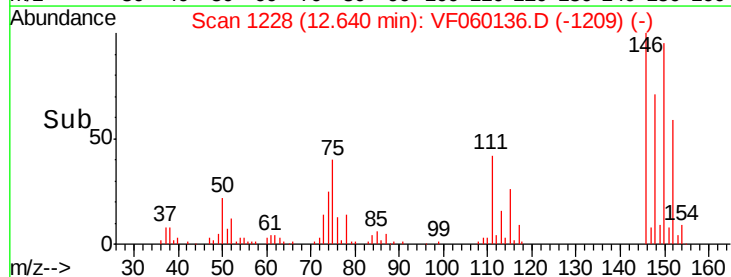
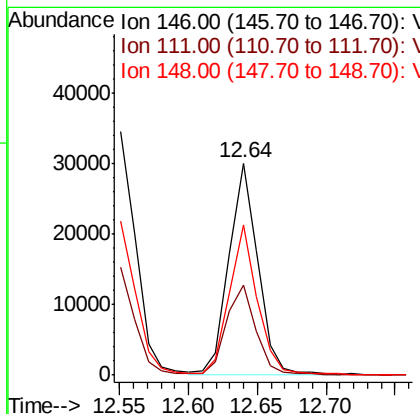
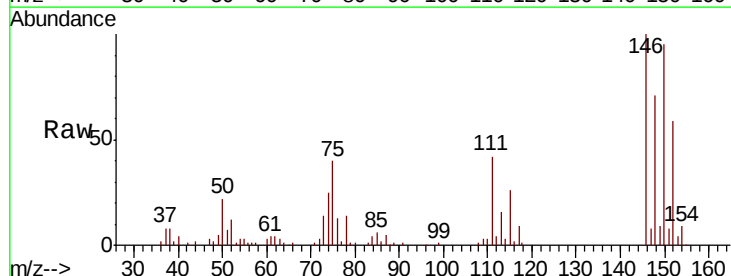
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

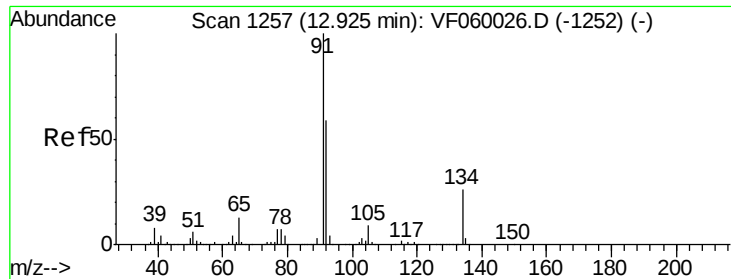
Tot Ion:146 Resp: 50132
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.9 65.5
 148 63.0 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 22.32 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Tgt Ion:146 Resp: 44594
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.6 64.8
 148 70.8 32.3 96.8





#89

n-Butylbenzene

Concen: 32.74 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

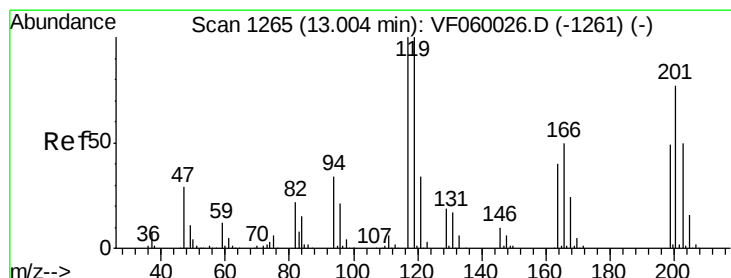
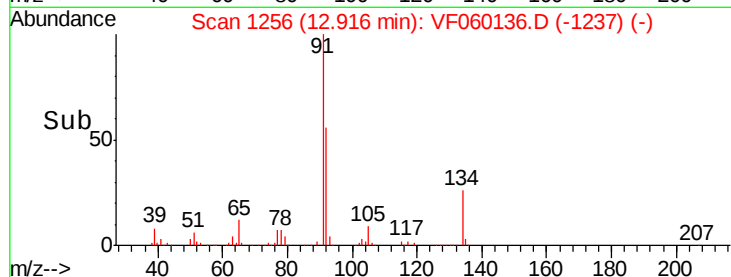
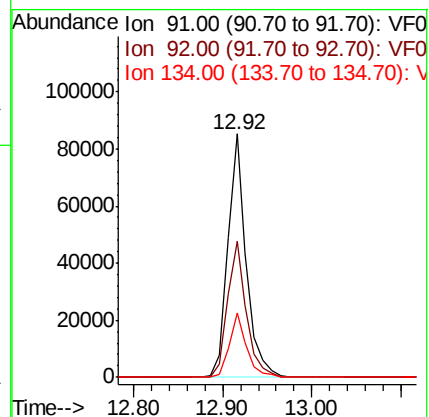
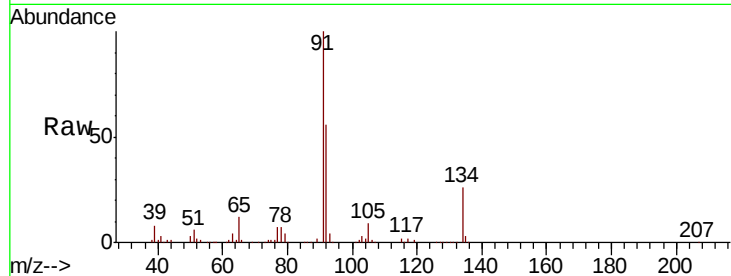
Tot Ion: 91 Resp: 124825

Ion Ratio Lower Upper

91 100

92 55.8 29.3 87.9

134 26.2 12.8 38.3



#90

Hexachloroethane

Concen: 32.07 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF060136.D

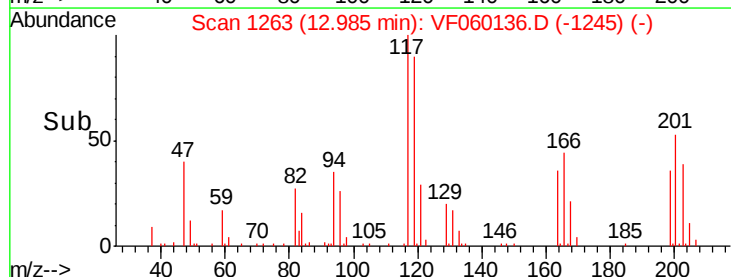
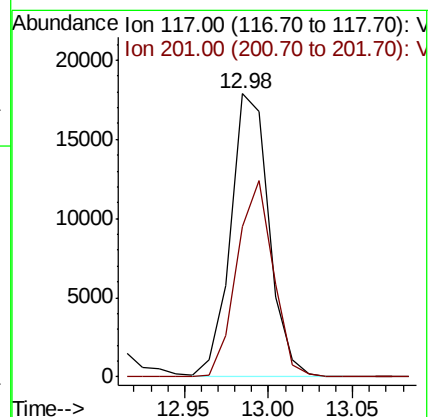
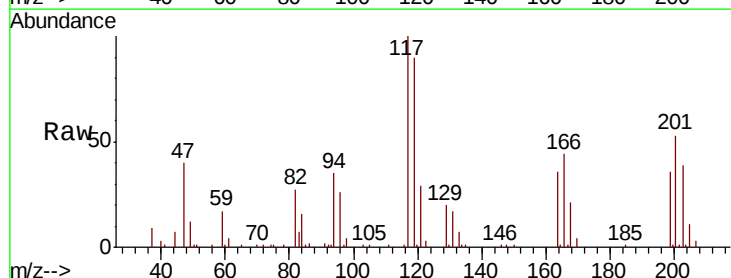
Acq: 27 Aug 2018 20:25

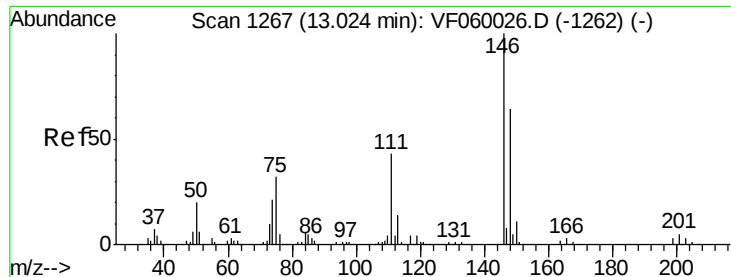
Tgt Ion: 117 Resp: 28278

Ion Ratio Lower Upper

117 100

201 54.4 38.6 115.8





#91

1,2-Dichlorobenzene

Concen: 20.78 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

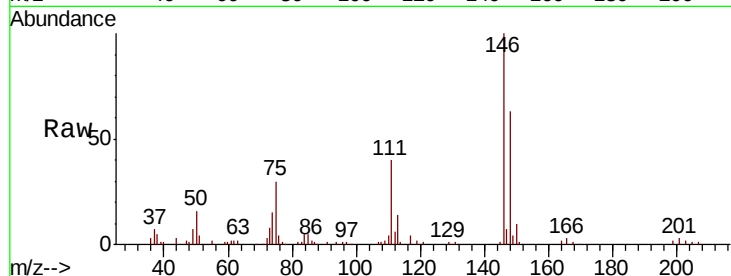
Tot Ion:146 Resp: 40177

Ion Ratio Lower Upper

146 100

111 40.1 21.6 64.6

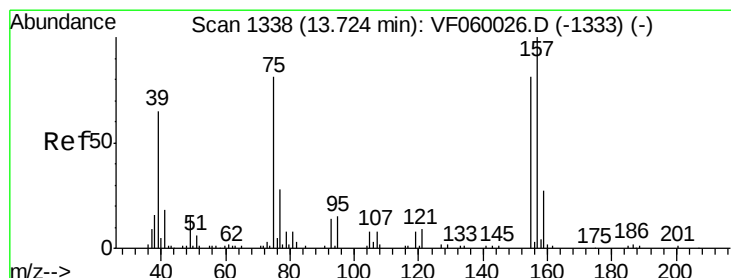
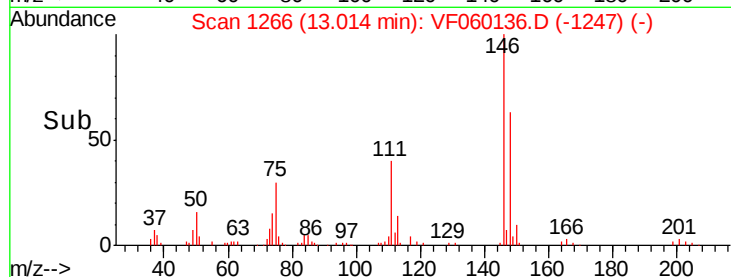
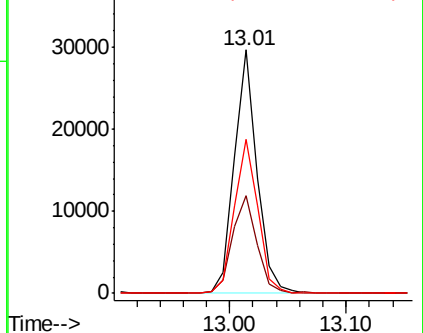
148 63.3 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.94 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

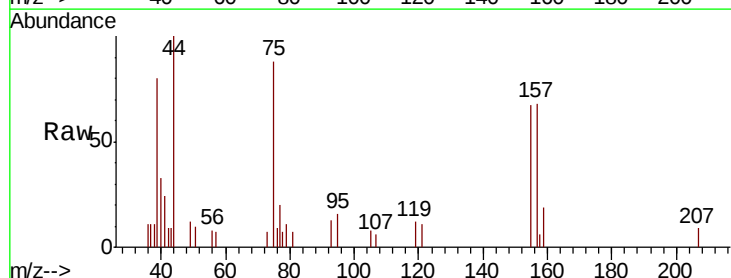
Tgt Ion: 75 Resp: 1952

Ion Ratio Lower Upper

75 100

155 75.7 49.8 149.3

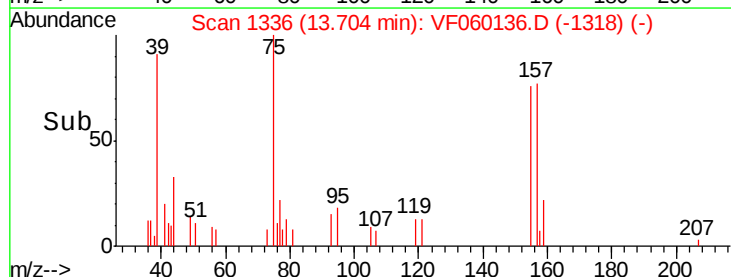
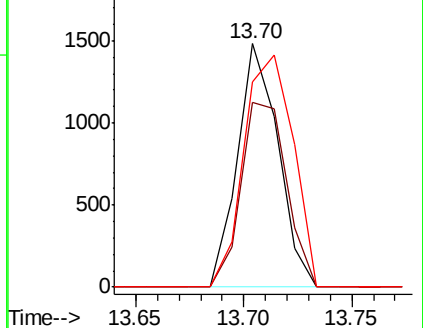
157 84.2 61.6 184.7

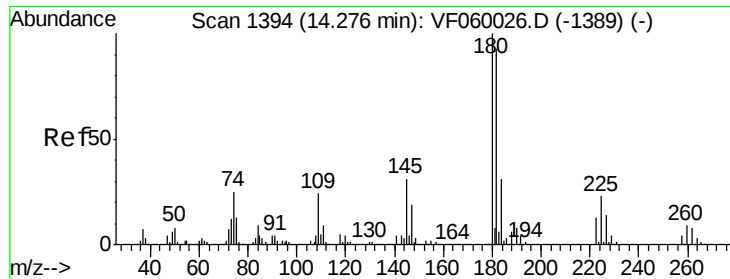


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

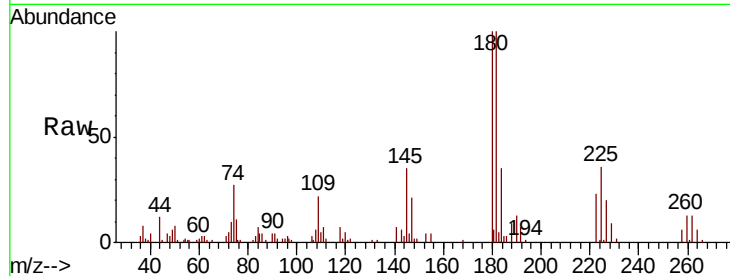




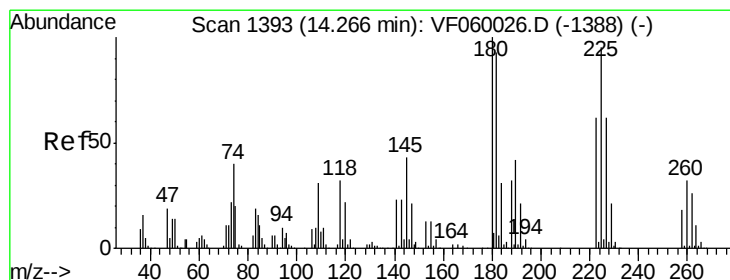
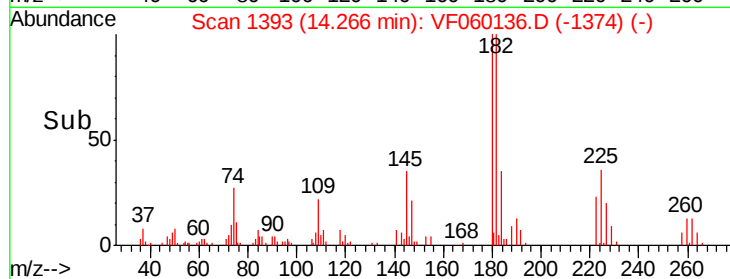
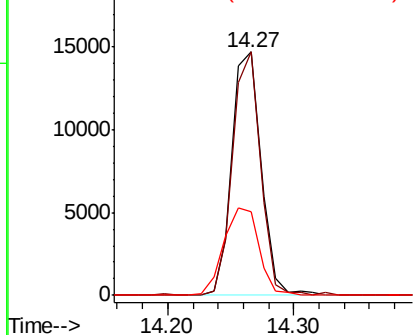
#93
 1,2,4-Trichlorobenzene
 Concen: 16.65 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0827SBS01

Tot Ion:180 Resp: 23705
 Ion Ratio Lower Upper
 180 100
 182 100.0 46.8 140.3
 145 34.6 15.4 46.4

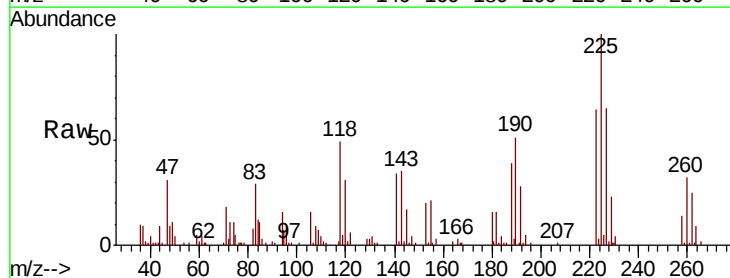


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

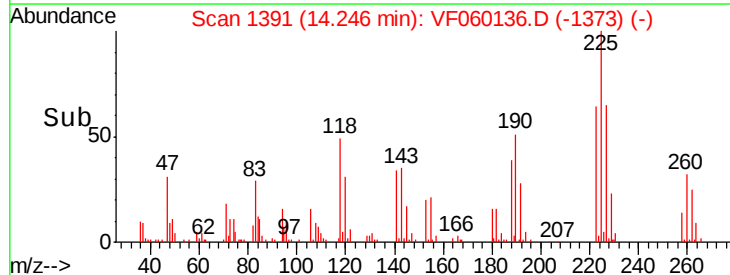
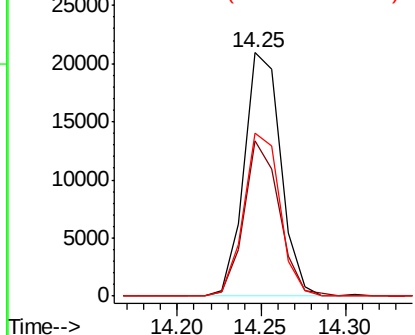


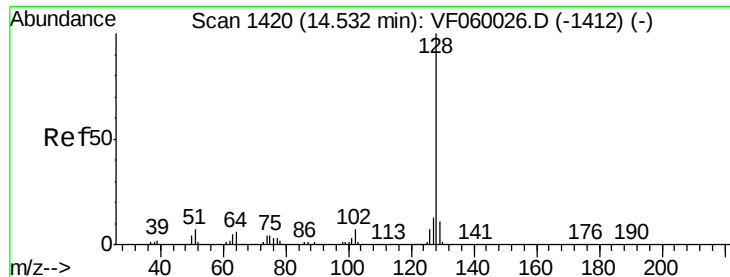
#94
 Hexachlorobutadiene
 Concen: 35.72 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: VF060136.D
 Acq: 27 Aug 2018 20:25

Tgt Ion:225 Resp: 31657
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.6 97.8
 227 66.7 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: 9.96 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0827SBS01

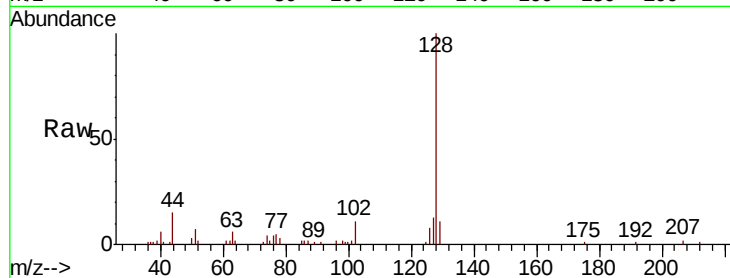
Tot Ion:128 Resp: 19855

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

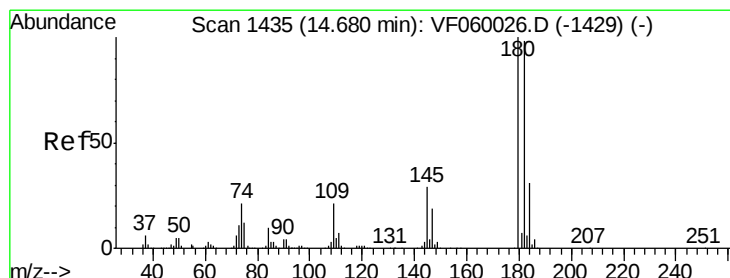
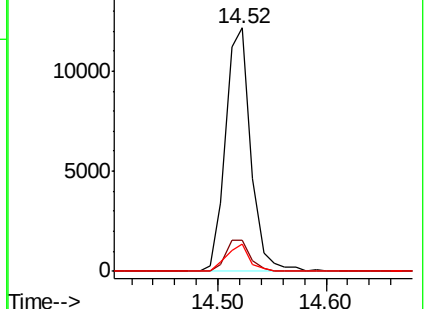
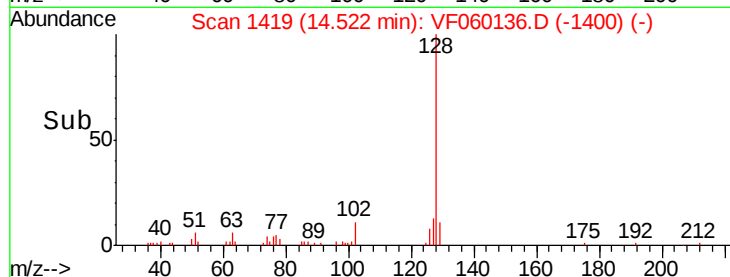
129 11.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 13.97 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.02 min

Lab File: VF060136.D

Acq: 27 Aug 2018 20:25

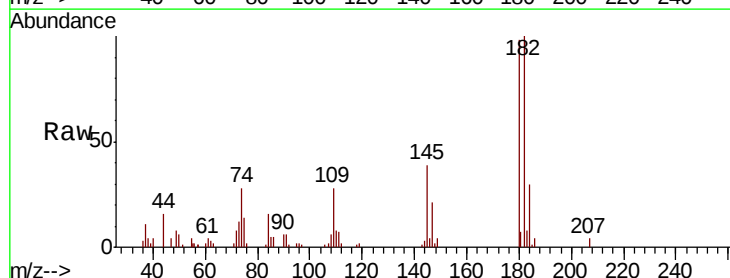
Tgt Ion:180 Resp: 18984

Ion Ratio Lower Upper

180 100

182 102.2 49.0 147.2

145 39.7 14.4 43.2



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

