

Data File : VF060166.D
Acq On : 29 Aug 2018 00:04
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Quant Time: Aug 29 02:09:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 02:08:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	78187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	84763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	67775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	34716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	2426	2.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	4.94%	
35) Dibromofluoromethane	4.28	113	2476	3.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	7.64%	
50) Toluene-d8	7.70	98	8335	4.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.76%	
62) 4-Bromofluorobenzene	11.50	95	3922	4.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	8568	7.500	ug/l	98
3) Chloromethane	1.07	50	3338	4.507	ug/l	97
4) Vinyl Chloride	1.12	62	2892	4.550	ug/l	99
5) Bromomethane	1.32	94	1528	3.365	ug/l	93
6) Chloroethane	1.40	64	1644	6.043	ug/l #	82
7) Trichlorofluoromethane	1.49	101	13679	9.008	ug/l	96
8) Diethyl Ether	1.68	74	459	2.212	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.85	101	5957	7.789	ug/l #	84
10) Methyl Iodide	1.92	142	2836	3.426	ug/l #	82
11) Tert butyl alcohol	2.59	59	61	1.253	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	3704	6.873	ug/l #	71
13) Acrolein	2.09	56	195	7.923	ug/l #	1
14) Allyl chloride	2.18	41	2689	3.189	ug/l #	79
15) Acrylonitrile	3.04	53	531	5.383	ug/l #	83
16) Acetone	2.31	43	1906	7.823	ug/l #	67
17) Carbon Disulfide	1.84	76	11160	6.559	ug/l #	92
18) Methyl Acetate	2.42	43	1465	3.060	ug/l #	67
19) Methyl tert-butyl Ether	2.51	73	2557	1.813	ug/l	100
20) Methylene Chloride	2.28	84	3061	4.928	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	2838	4.902	ug/l #	75
22) Diisopropyl ether	2.89	45	4624	2.555	ug/l #	86
23) Vinyl Acetate	3.30	43	3688	4.089	ug/l #	82
24) 1,1-Dichloroethane	2.98	63	4954	4.143	ug/l #	90
25) 2-Butanone	4.48	43	1139	3.622	ug/l #	44
26) 2,2-Dichloropropane	3.74	77	2770	2.334	ug/l #	66
27) cis-1,2-Dichloroethene	3.61	96	1925	2.628	ug/l	88
28) Bromochloromethane	3.87	49	1283	2.738	ug/l #	50
29) Tetrahydrofuran	4.24	42	256	2.133	ug/l #	78
30) Chloroform	4.02	83	5164	3.179	ug/l	97
31) Cyclohexane	3.85	56	4409	4.568	ug/l #	89
32) 1,1,1-Trichloroethane	4.26	97	7371	4.874	ug/l #	84
36) 1,1-Dichloropropene	4.45	75	5780	6.752	ug/l	97
39) Methylcyclohexane	5.61	83	4898	5.860	ug/l #	81
40) Benzene	4.80	78	8123	4.723	ug/l	94

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.88	41	322	1.495	ug/l #	43
43) Isopropyl Acetate	7.10	43	895	1.705	ug/l #	48
44) Trichloroethene	5.67	130	3444	5.764	ug/l	82
45) 1,2-Dichloropropane	6.39	63	1571	3.385	ug/l #	1
46) Dibromomethane	6.23	93	635	1.807	ug/l #	67
47) Bromodichloromethane	6.53	83	3003	3.398	ug/l #	91
48) Methyl methacrylate	6.84	41	1039	2.965	ug/l #	42
49) 1,4-Dioxane	6.84	88	70	21.099	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	3397	7.434	ug/l #	62
52) Toluene	7.77	92	5942	4.648	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	1499	1.944	ug/l #	75
54) cis-1,3-Dichloropropene	7.43	75	1904	2.217	ug/l #	90
55) 1,1,2-Trichloroethane	8.63	97	1096	2.601	ug/l	92
56) Ethyl methacrylate	8.74	69	740	1.483	ug/l #	76
57) 1,3-Dichloropropane	8.99	76	1483	2.003	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	1164	24.863	ug/l	100
59) 2-Hexanone	9.62	43	2276	6.195	ug/l	85
60) Dibromochloromethane	8.86	129	1281	2.018	ug/l	88
61) 1,2-Dibromoethane	9.13	107	867	1.756	ug/l #	47
64) Tetrachloroethene	8.30	164	4172	7.973	ug/l	86
65) Chlorobenzene	9.93	112	6901	5.326	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.06	131	1749	3.598	ug/l #	57
67) Ethyl Benzene	10.03	91	15048	6.253	ug/l #	75
68) m/p-Xylenes	10.26	106	8772	9.748	ug/l #	69
69) o-Xylene	10.82	106	4052	4.617	ug/l	99
70) Styrene	10.89	104	5050	3.860	ug/l #	87
71) Bromoform	10.88	173	565	1.809	ug/l	95
73) Isopropylbenzene	11.23	105	16982	7.031	ug/l	96
74) N-amyl acetate	11.45	43	1307	2.266	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.78	83	1328	3.179	ug/l #	97
76) 1,2,3-Trichloropropane	11.88	75	995	2.997	ug/l #	68
77) Bromobenzene	11.59	156	2387	4.218	ug/l	75
78) n-propylbenzene	11.68	91	21554	7.304	ug/l	98
79) 2-Chlorotoluene	11.81	91	9798	6.002	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	12587	6.242	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.98	75	538	3.770	ug/l #	1
82) 4-Chlorotoluene	11.98	91	9274	5.359	ug/l	79
83) tert-Butylbenzene	12.21	119	12806	6.447	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	10434	5.079	ug/l	93
85) sec-Butylbenzene	12.38	105	20784	7.277	ug/l	99
86) p-Isopropyltoluene	12.54	119	14611	6.319	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	6422	5.977	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	4951	4.707	ug/l	83
89) n-Butylbenzene	12.91	91	10793	4.980	ug/l	96
90) Hexachloroethane	12.99	117	3204	6.275	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	4530	4.556	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.71	75	205	2.431	ug/l #	48
93) 1,2,4-Trichlorobenzene	14.26	180	1419	2.081	ug/l #	89
94) Hexachlorobutadiene	14.25	225	3730	7.113	ug/l	94
96) 1,2,3-Trichlorobenzene	14.67	180	1239	1.939	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082918\
Quantitation Report (Not Reviewed)

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Operator : VA/AP
Sample : VSTDICC005
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Instrument :
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ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Wed Aug 29 02:08:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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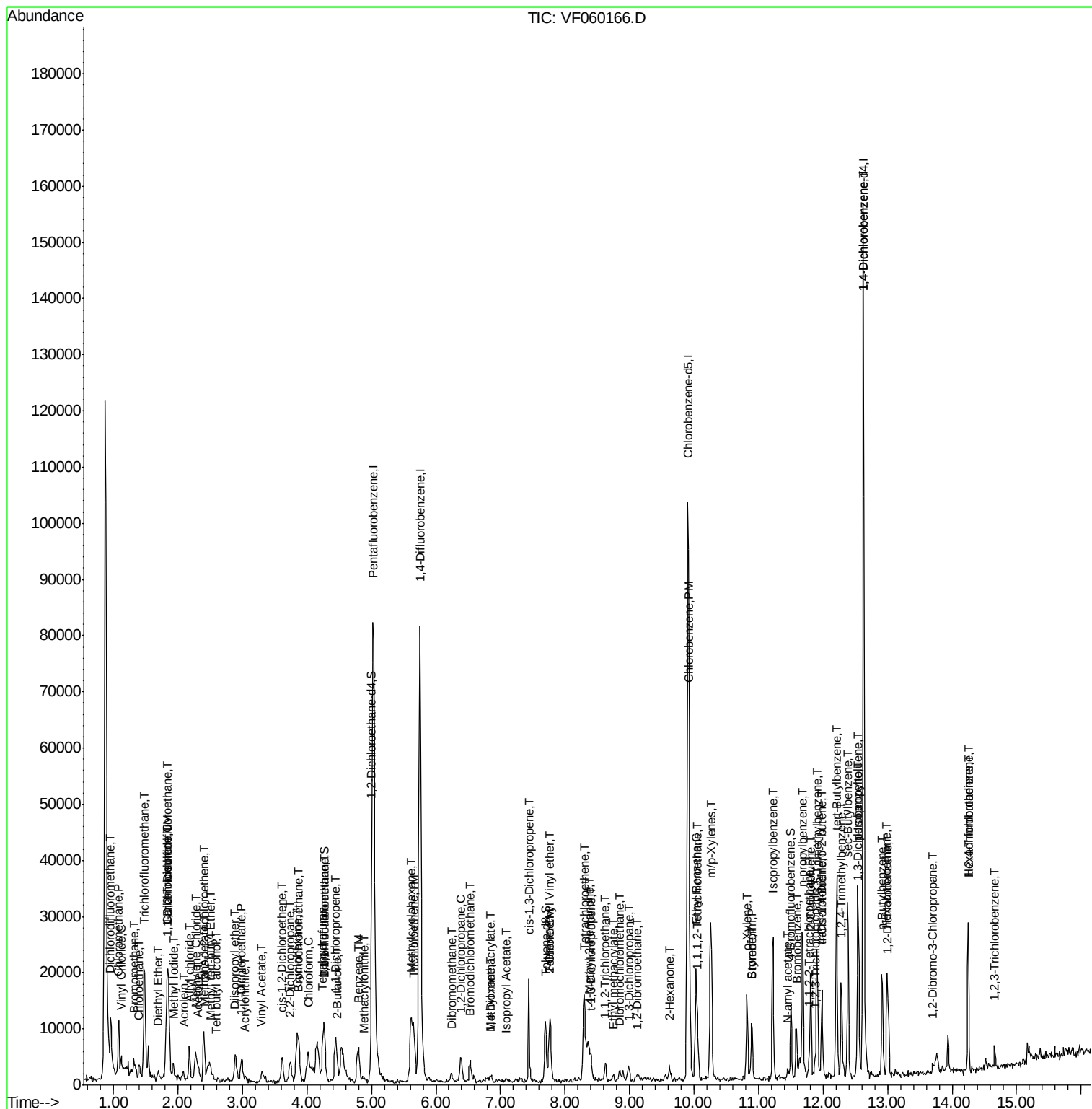
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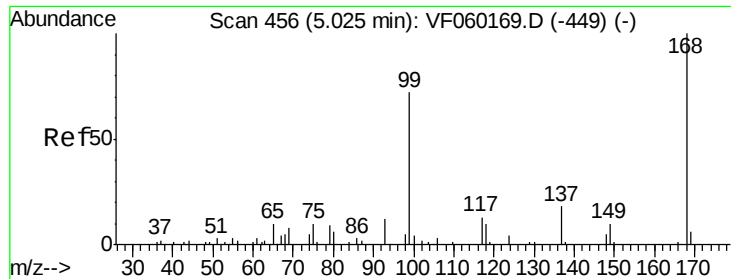
Data File : VF060166.D

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Acq On       : 29 Aug 2018   00:04
Operator    : VA/AP
Sample      : VSTDIC005
Misc        : 5.00g/5mL/MSV0A_F/SOIL
ALS Vial     : 27   Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Quant Time: Aug 29 02:09:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 02:08:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

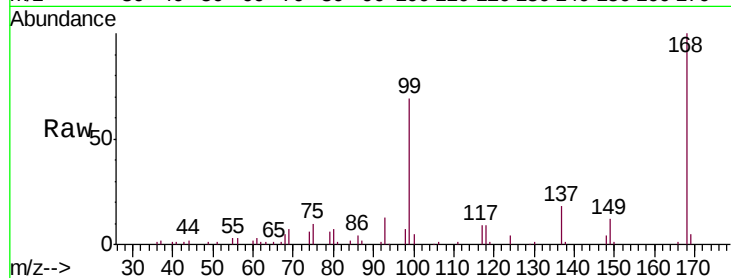
VSTDIC005

Tgt Ion:168 Resp: 78187

Ion Ratio Lower Upper

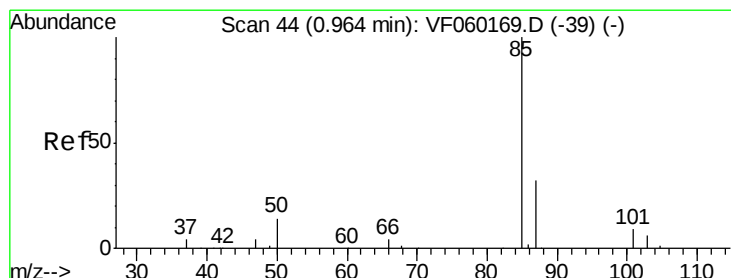
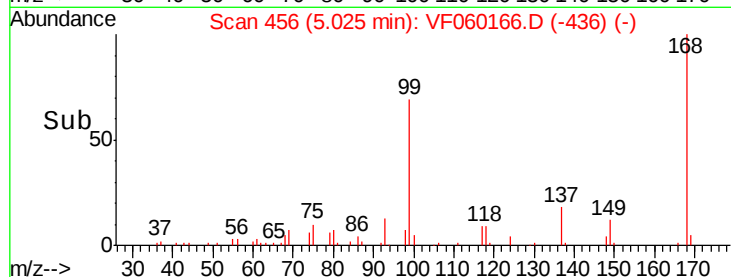
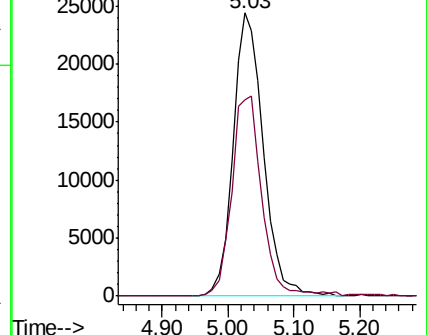
168 100

99 69.2 57.9 86.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 7.500 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060166.D

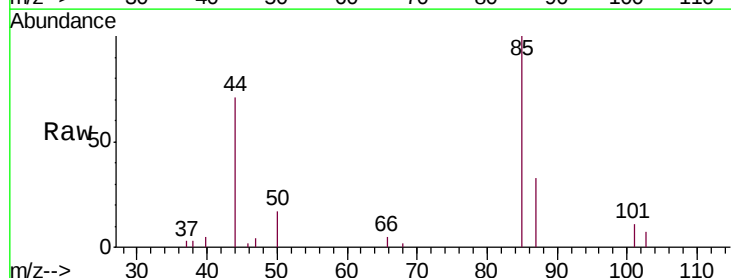
Acq: 29 Aug 2018 00:04

Tgt Ion: 85 Resp: 8568

Ion Ratio Lower Upper

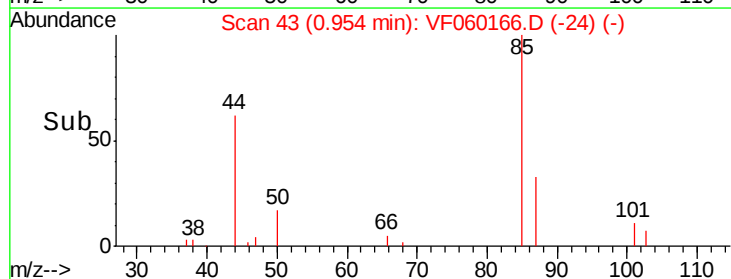
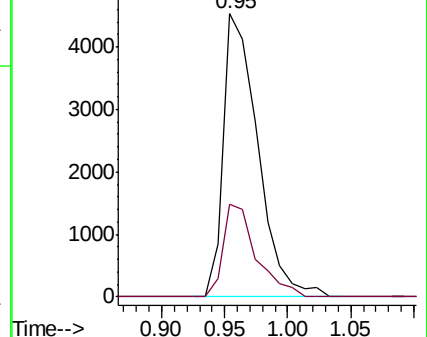
85 100

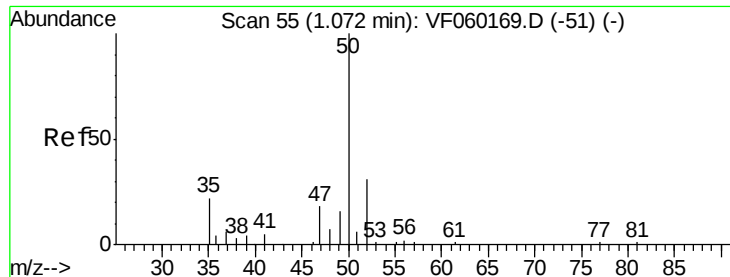
87 32.9 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 4.507 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

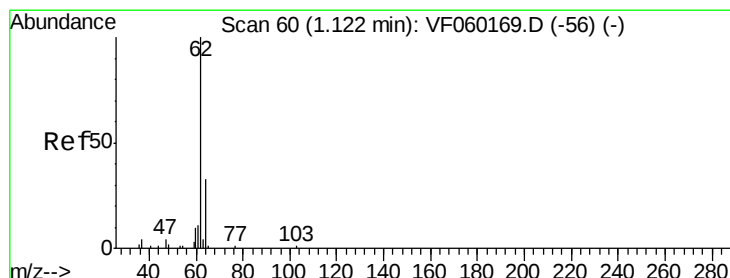
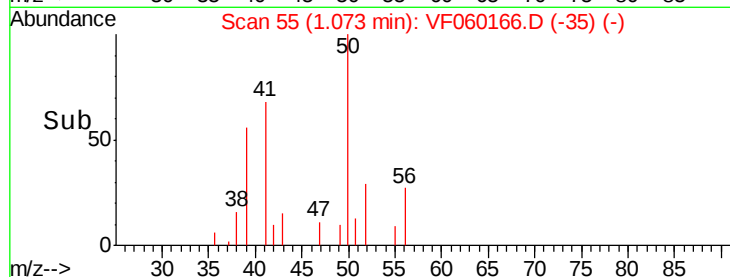
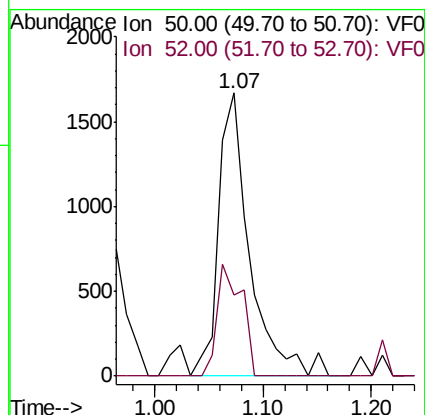
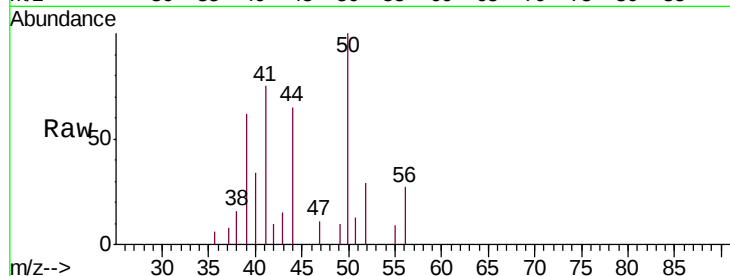
VSTDIC005

Tgt Ion: 50 Resp: 3338

Ion Ratio Lower Upper

50 100

52 28.7 24.4 36.6



#4

Vinyl Chloride

Concen: 4.550 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060166.D

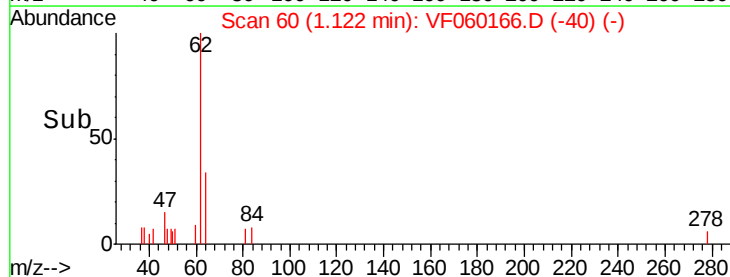
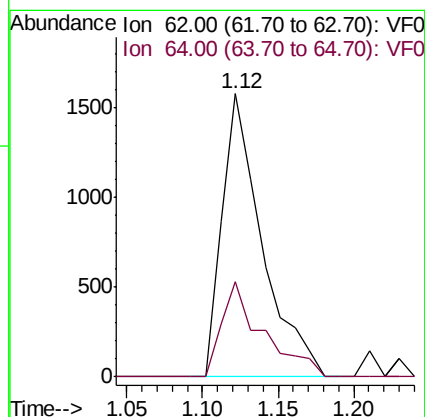
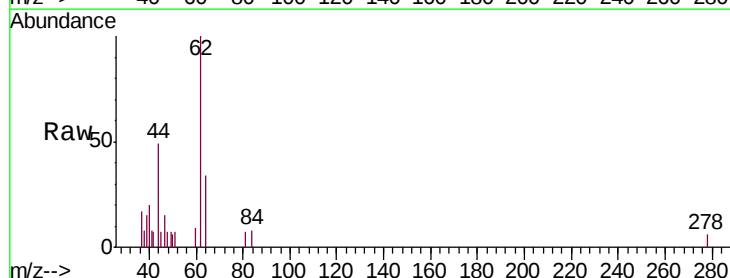
Acq: 29 Aug 2018 00:04

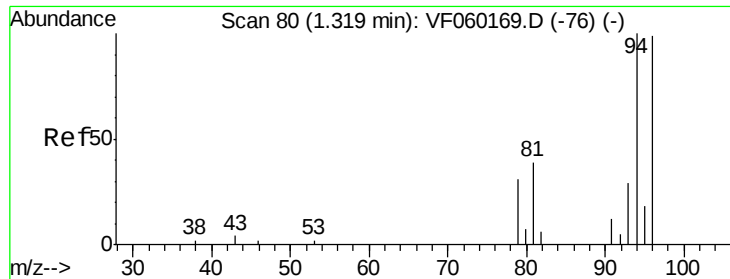
Tgt Ion: 62 Resp: 2892

Ion Ratio Lower Upper

62 100

64 33.7 26.6 39.8





#5

Bromomethane

Concen: 3.365 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

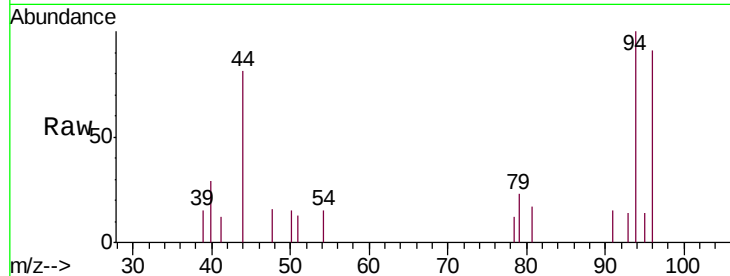
VSTDIC005

Tgt Ion: 94 Resp: 1528

Ion Ratio Lower Upper

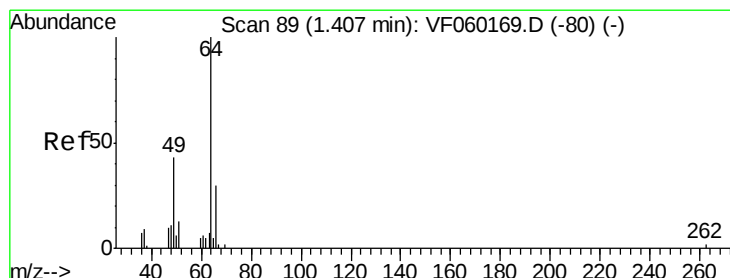
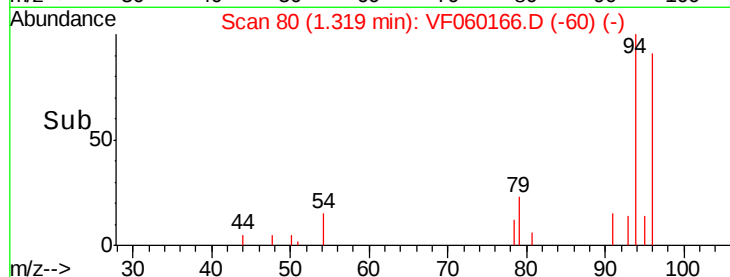
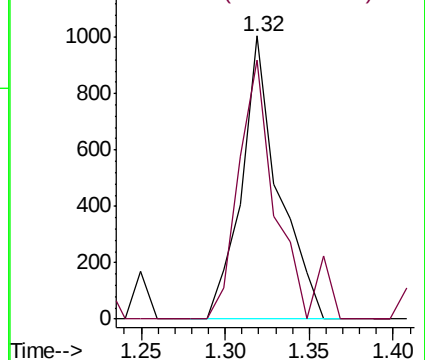
94 100

96 91.4 79.0 118.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 6.043 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060166.D

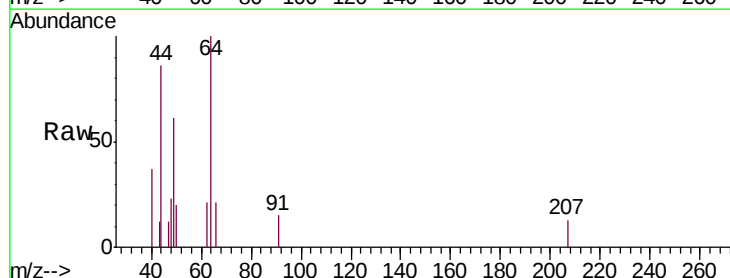
Acq: 29 Aug 2018 00:04

Tgt Ion: 64 Resp: 1644

Ion Ratio Lower Upper

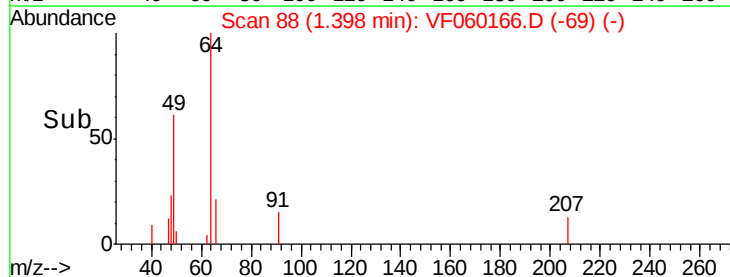
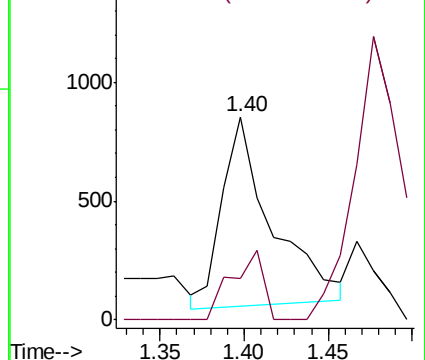
64 100

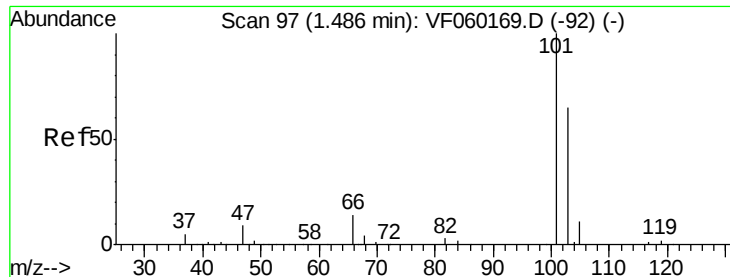
66 20.6 24.2 36.4#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 9.008 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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ClientSampleId :

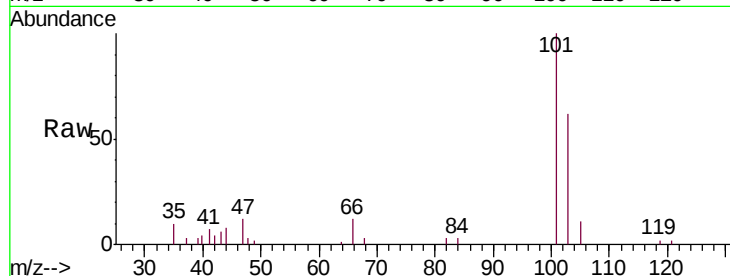
VSTDIC005

Tgt Ion:101 Resp: 13679

Ion Ratio Lower Upper

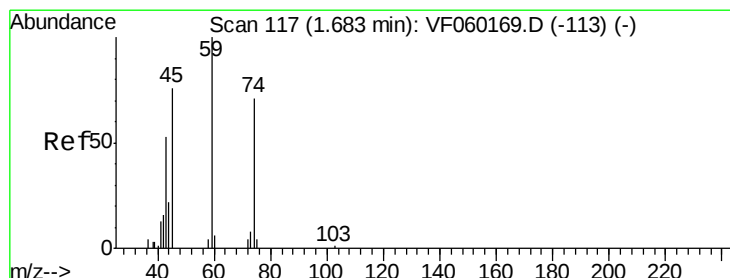
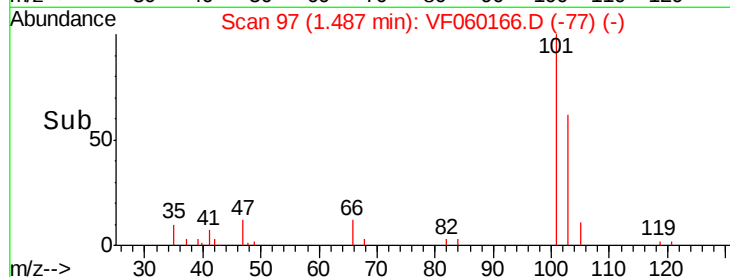
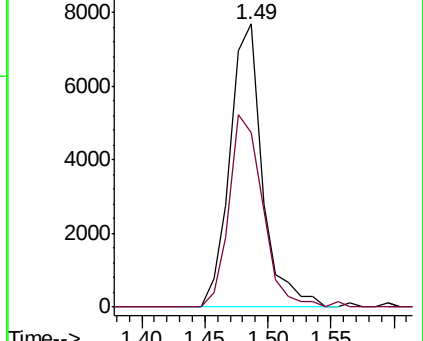
101 100

103 61.8 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 2.212 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF060166.D

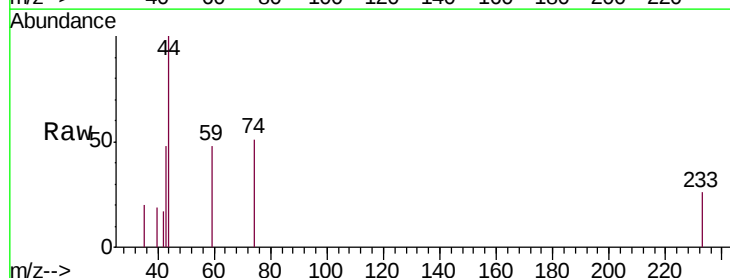
Acq: 29 Aug 2018 00:04

Tgt Ion: 74 Resp: 459

Ion Ratio Lower Upper

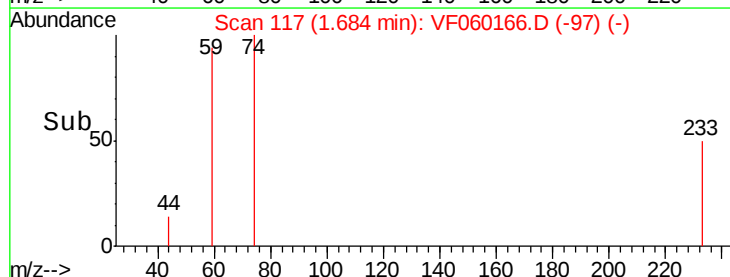
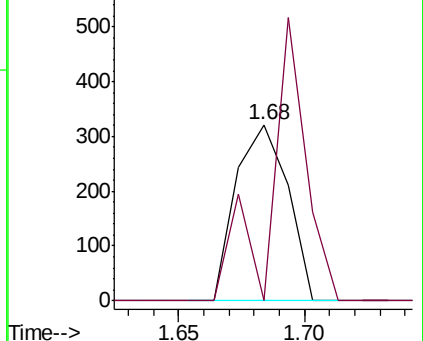
74 100

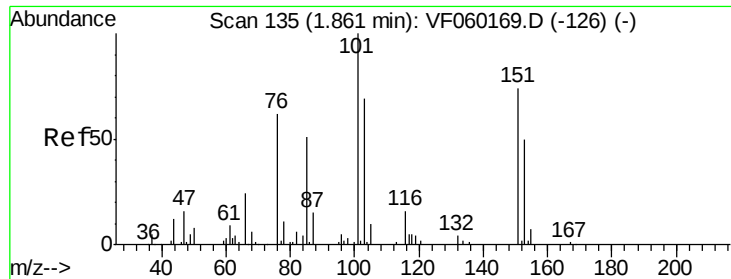
45 0.0 53.5 160.7#



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: 7.789 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

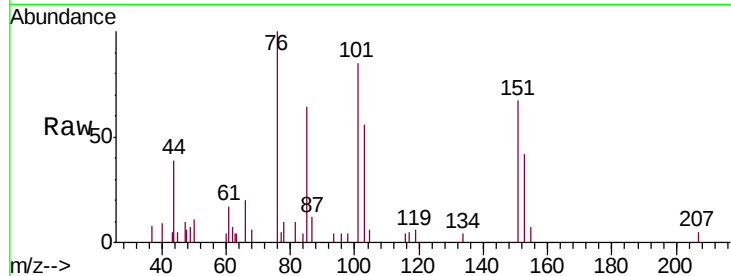
Tgt Ion:101 Resp: 5957

Ion Ratio Lower Upper

101 100

85 74.8 42.2 63.2#

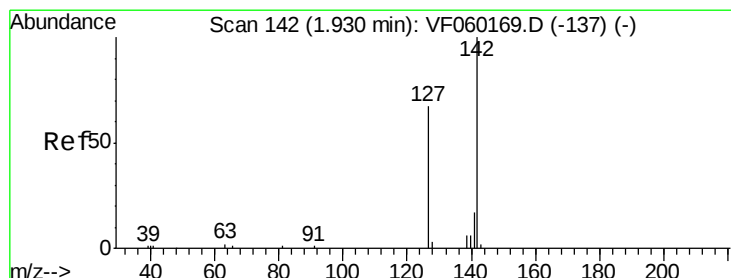
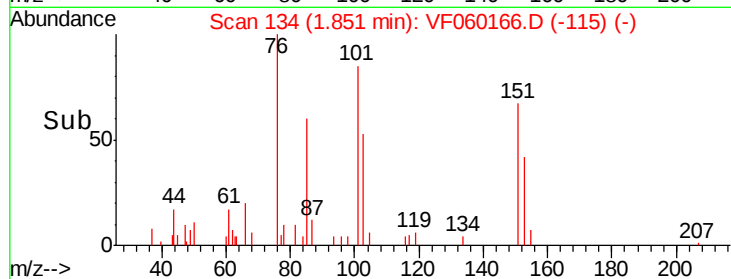
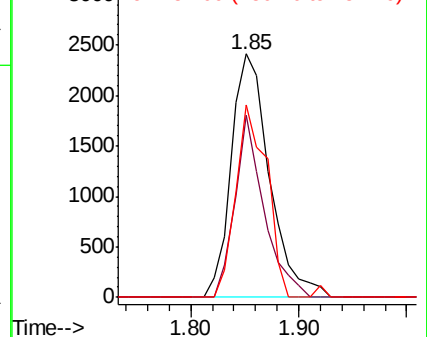
151 78.9 59.2 88.8



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: 3.426 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

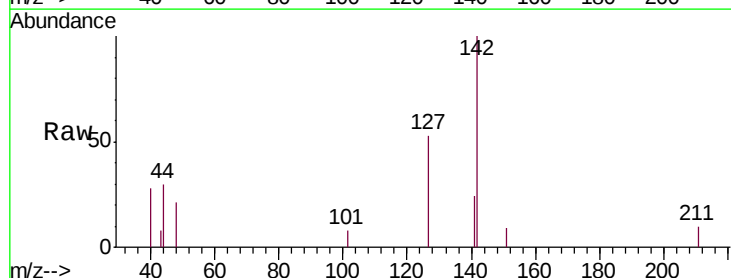
Tgt Ion:142 Resp: 2836

Ion Ratio Lower Upper

142 100

127 52.9 53.9 80.9#

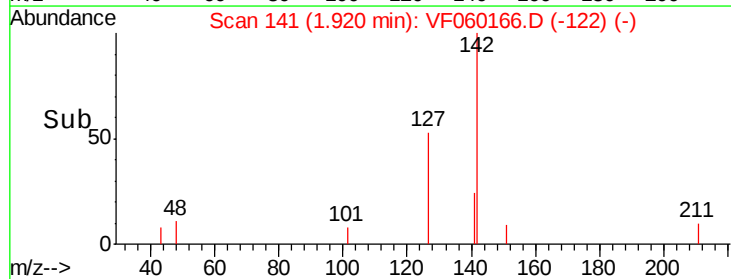
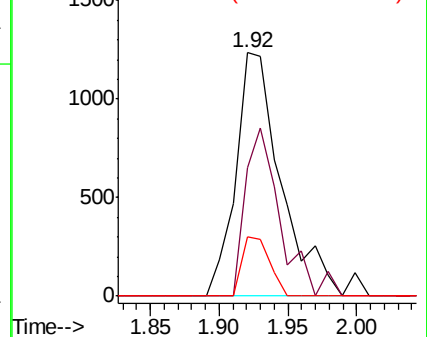
141 24.3 13.4 20.2#

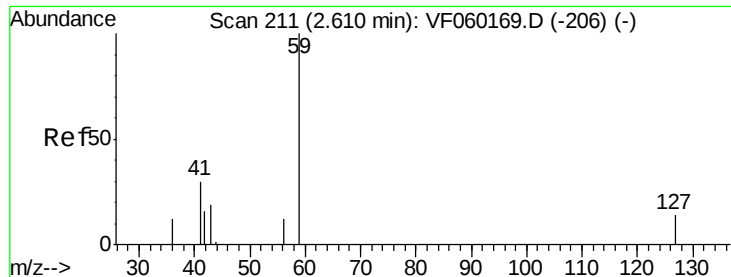


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

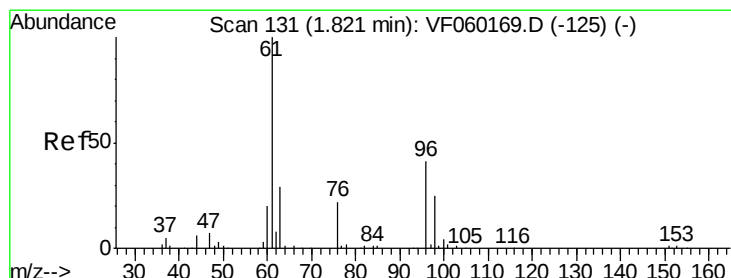
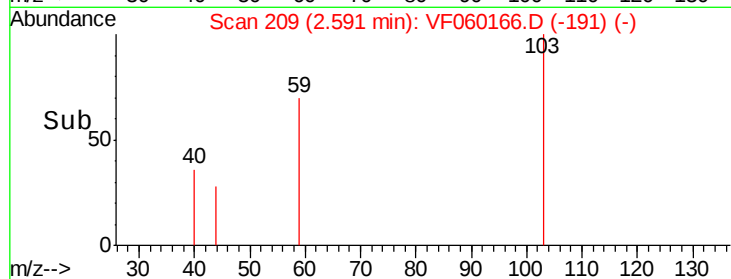
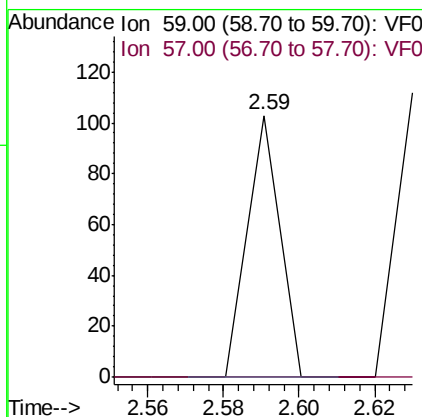
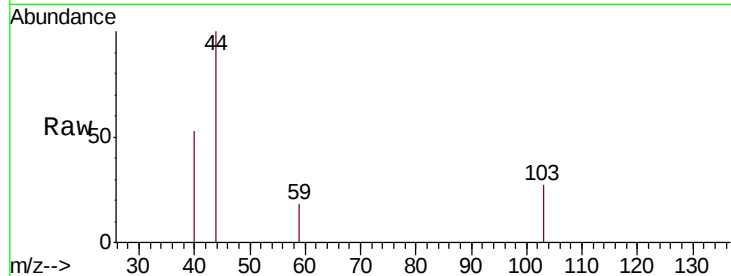




#11
Tert butyl alcohol
Concen: 1.253 ug/l
RT: 2.59 min Scan# 209
Delta R.T. -0.02 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

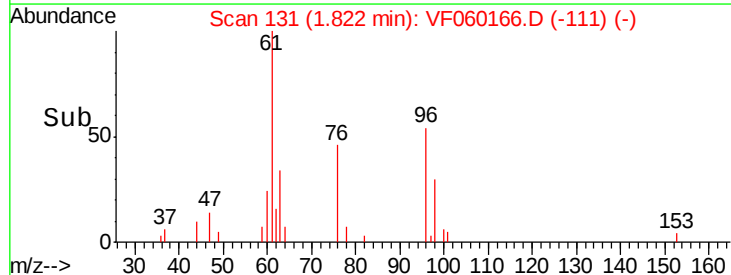
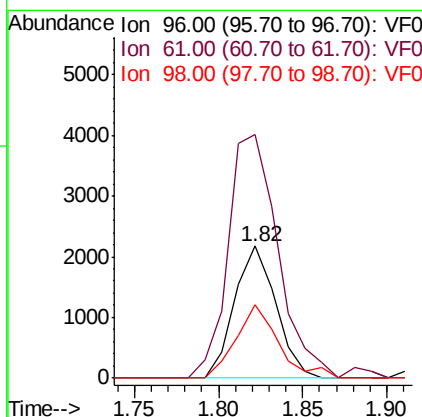
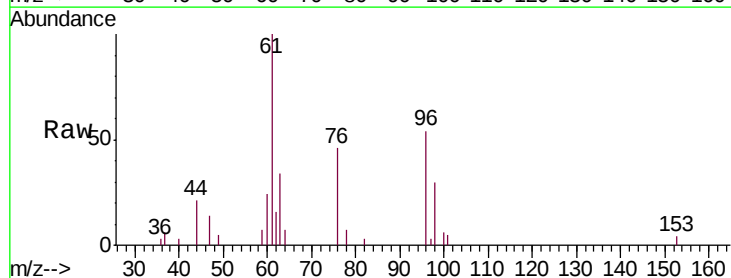
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

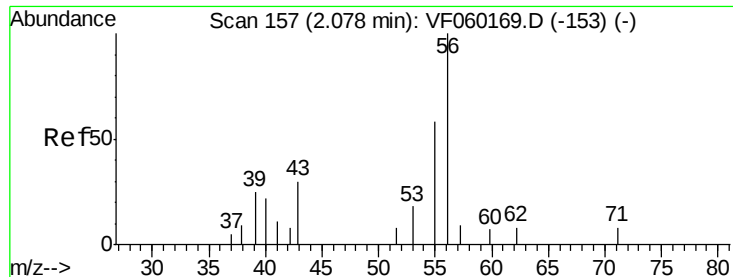
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 11.9 17.9#



#12
1,1-Dichloroethene
Concen: 6.873 ug/l
RT: 1.82 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 96 Resp: 3704
Ion Ratio Lower Upper
96 100
61 184.9 195.2 292.8#
98 55.6 49.0 73.6





#13

Acrolein

Concen: 7.923 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

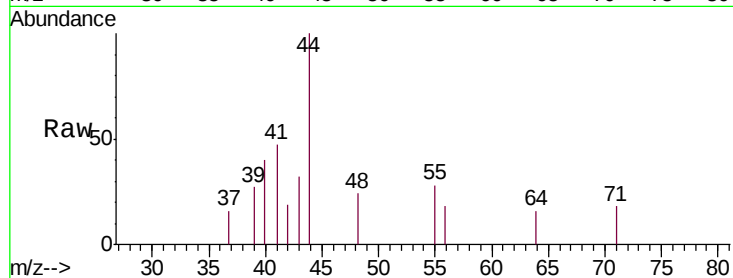
VSTDIC005

Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

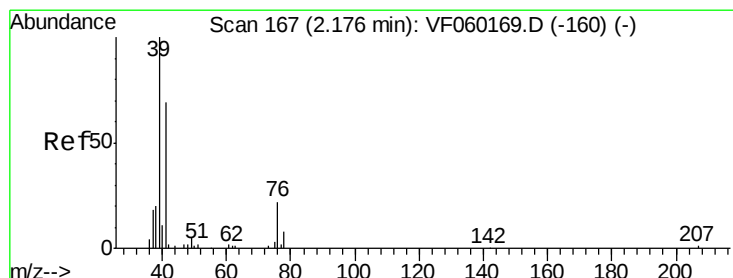
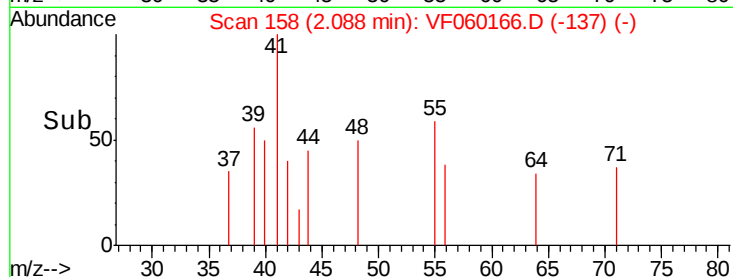
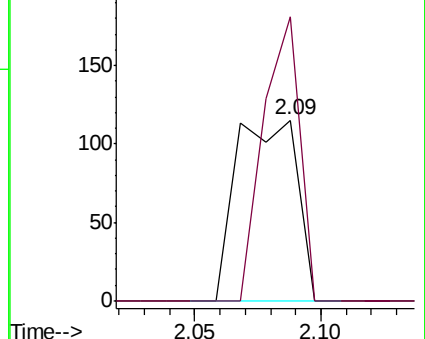
56 100

55 157.4 46.4 69.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 3.189 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

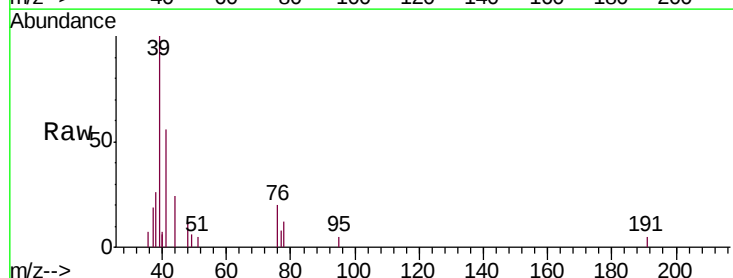
Tgt Ion: 41 Resp: 2689

Ion Ratio Lower Upper

41 100

39 178.1 117.8 176.6#

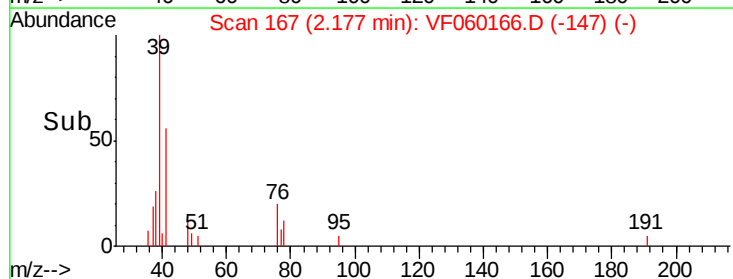
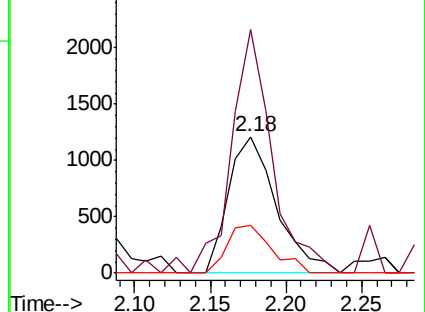
76 35.2 25.9 38.9

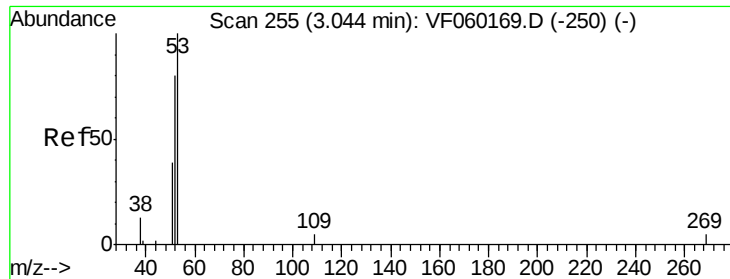


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 5.383 ug/l

RT: 3.04 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

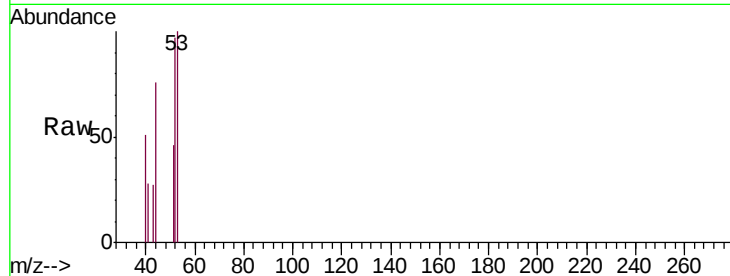
Tgt Ion: 53 Resp: 531

Ion Ratio Lower Upper

53 100

52 96.8 64.4 96.6#

51 46.4 31.0 46.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

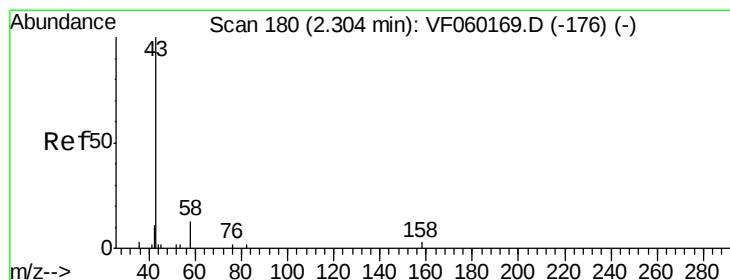
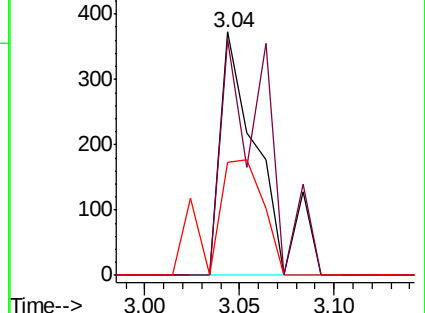
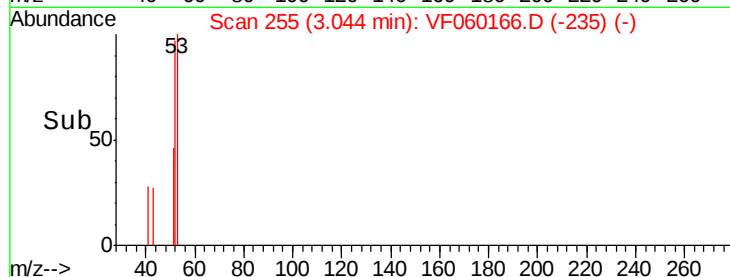
Ion 51.00 (50.70 to 51.70): VF0

3.04

3.05

3.10

Time-->



#16

Acetone

Concen: 7.823 ug/l

RT: 2.31 min Scan# 181

Delta R.T. 0.01 min

Lab File: VF060166.D

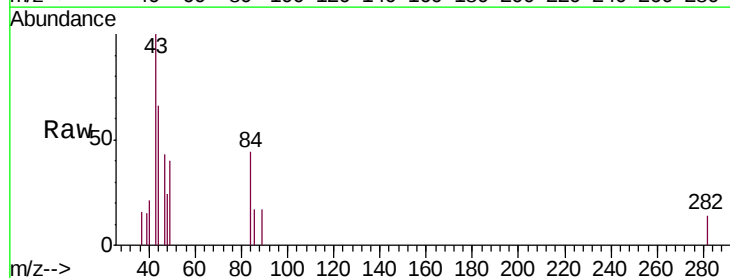
Acq: 29 Aug 2018 00:04

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

43 100

58 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

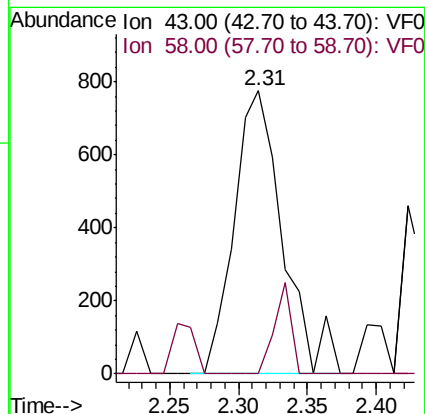
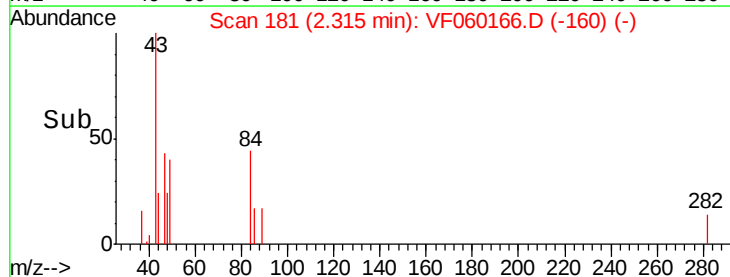
Ion 58.00 (57.70 to 58.70): VF0

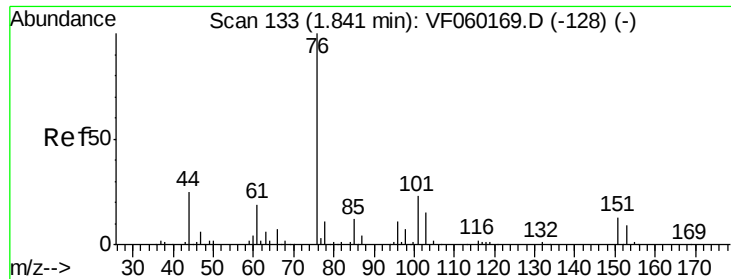
2.31

2.35

2.40

Time-->

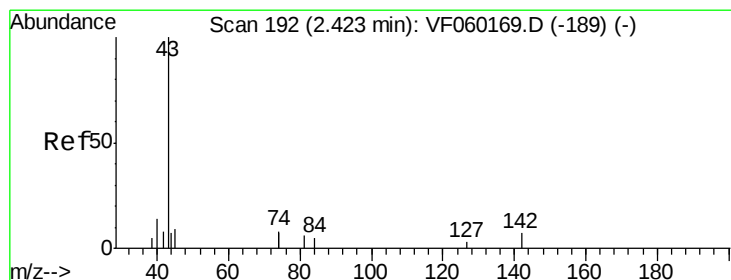
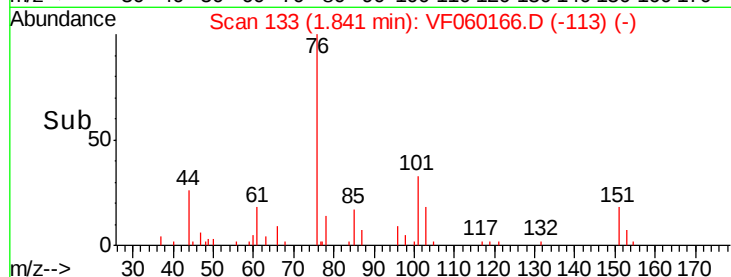
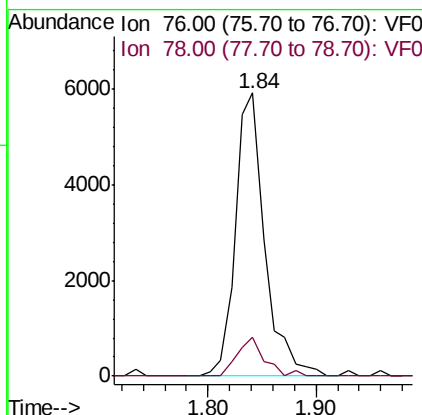
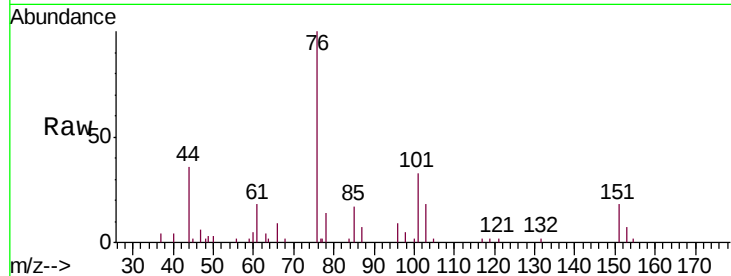




#17
Carbon Disulfide
Concen: 6.559 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

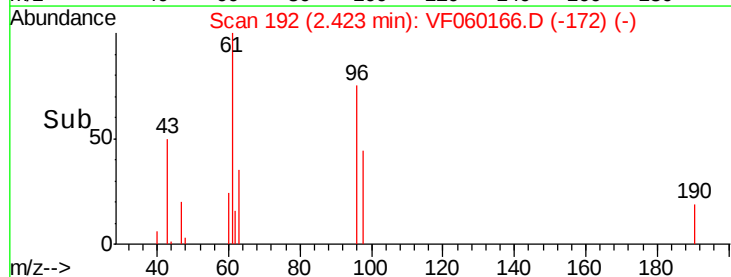
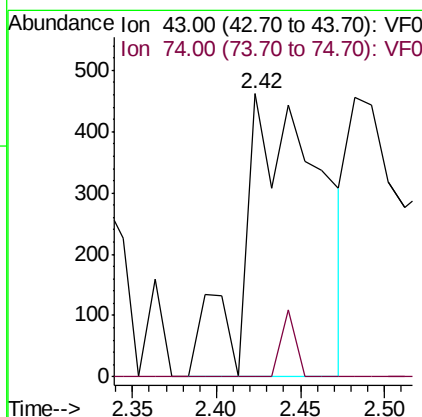
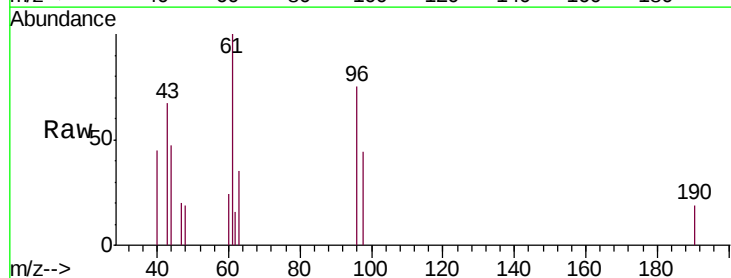
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

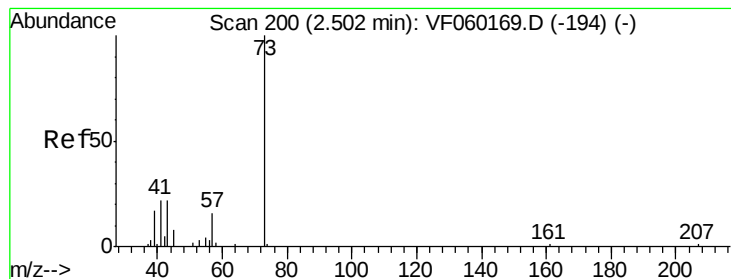
Tgt Ion: 76 Resp: 11160
Ion Ratio Lower Upper
76 100
78 13.9 8.6 12.8#



#18
Methyl Acetate
Concen: 3.060 ug/l
RT: 2.42 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
74 0.0 10.6 16.0#



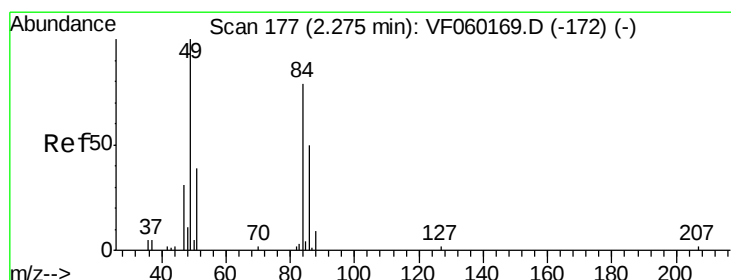
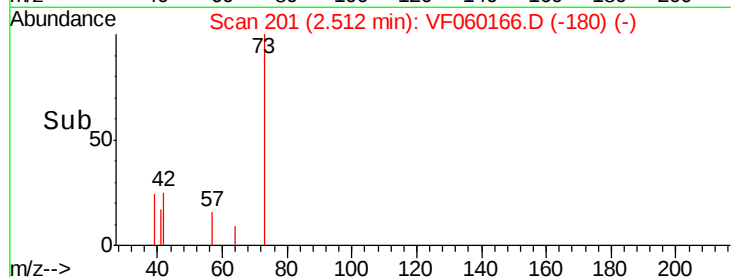
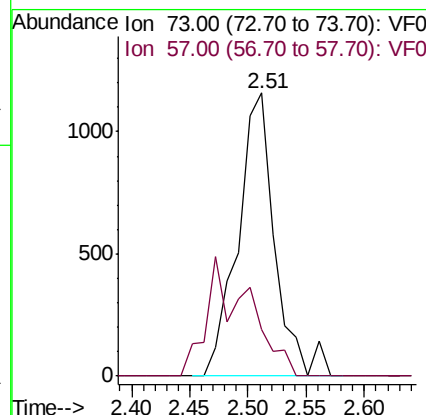
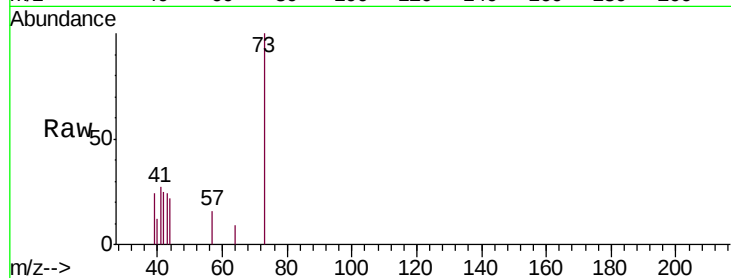


#19

Methyl tert-butyl Ether
 Concen: 1.813 ug/l
 RT: 2.51 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

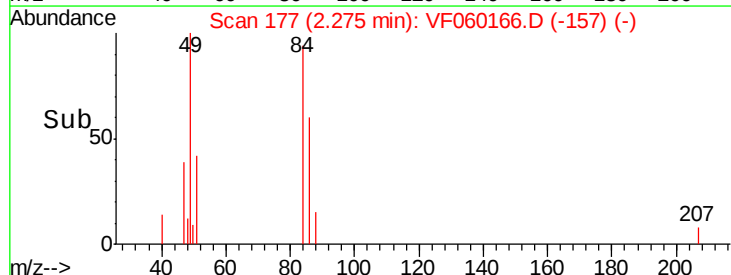
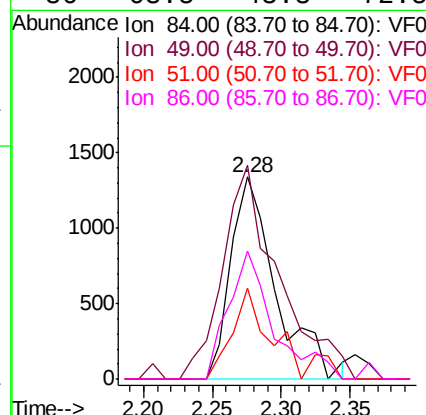
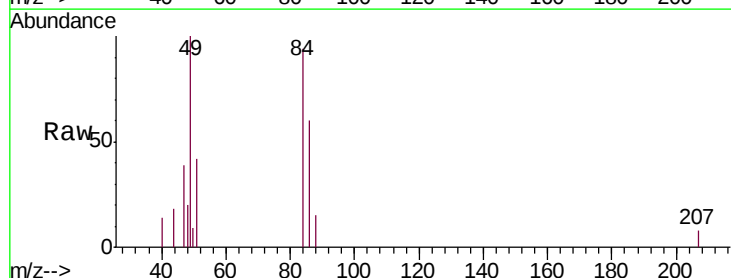
Tgt Ion: 73 Resp: 2557
 Ion Ratio Lower Upper
 73 100
 57 16.2 13.0 19.4

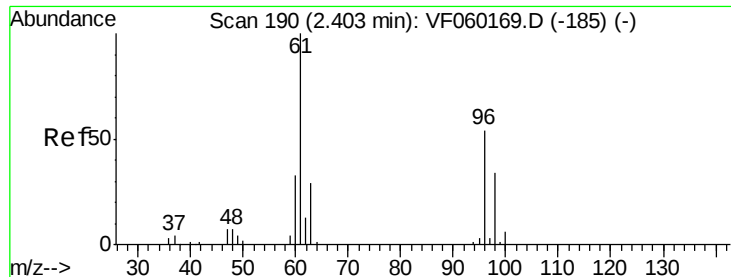


#20

Methylene Chloride
 Concen: 4.928 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion: 84 Resp: 3061
 Ion Ratio Lower Upper
 84 100
 49 105.8 97.0 145.4
 51 44.8 38.2 57.2
 86 63.5 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 4.902 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

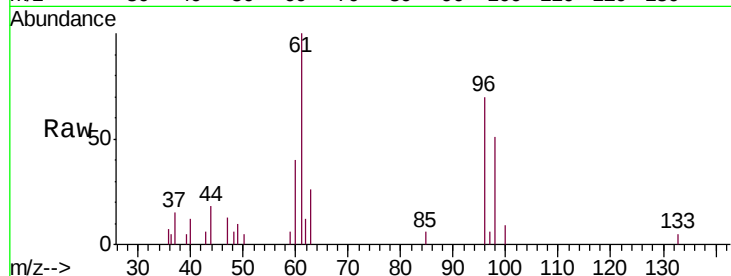
Tgt Ion: 96 Resp: 2838

Ion Ratio Lower Upper

96 100

61 143.6 148.6 222.8#

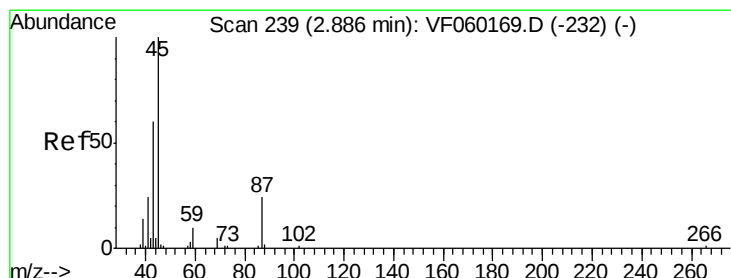
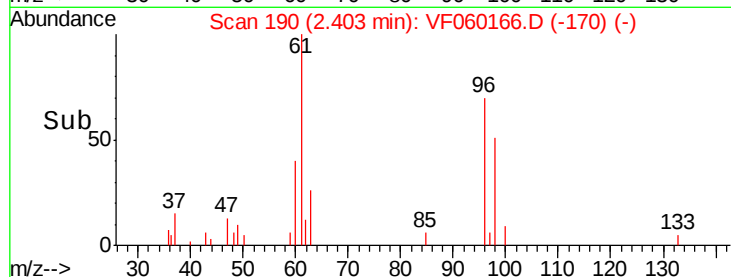
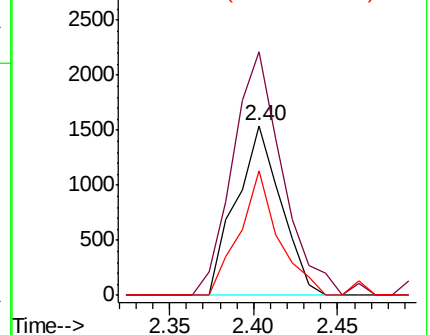
98 73.6 50.4 75.6



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: 2.555 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion: 45 Resp: 4624

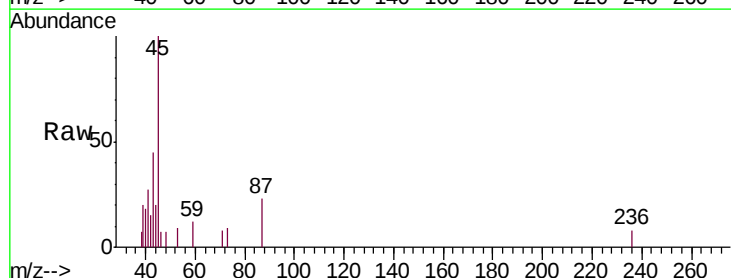
Ion Ratio Lower Upper

45 100

43 45.1 48.0 72.0#

87 22.7 18.9 28.3

59 11.5 7.6 11.4#

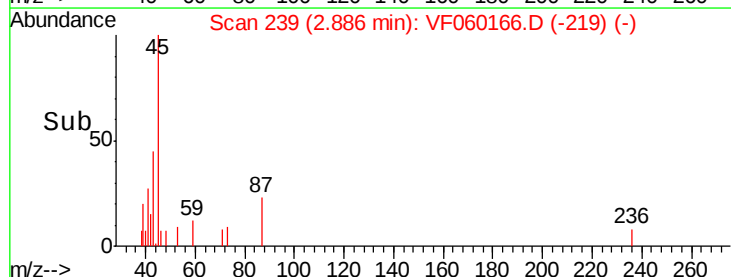
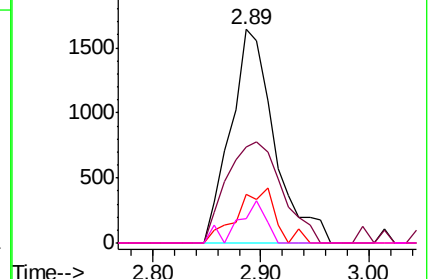


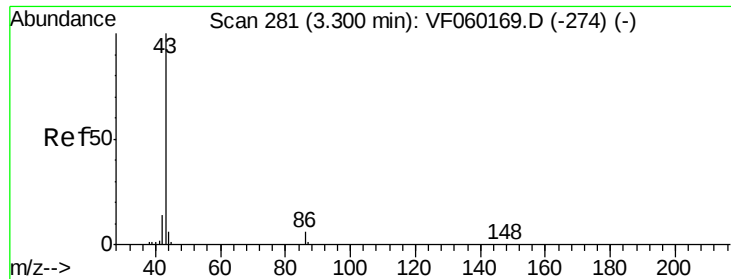
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 4.089 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

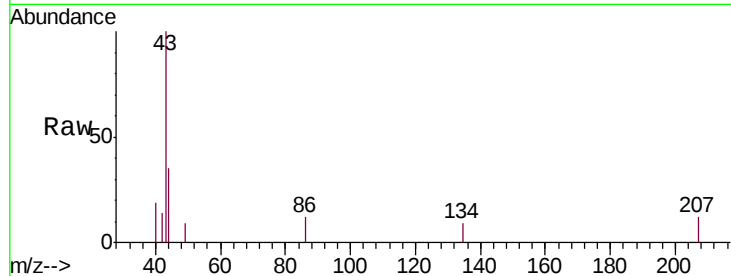
VSTDIC005

Tgt Ion: 43 Resp: 3688

Ion Ratio Lower Upper

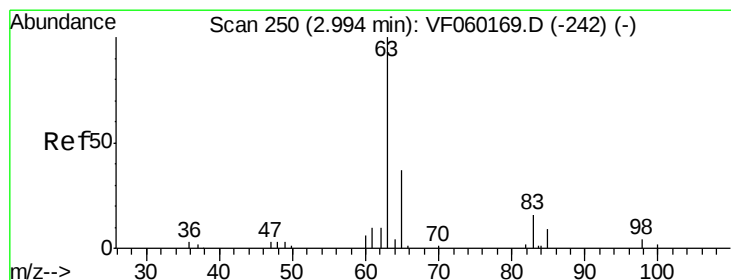
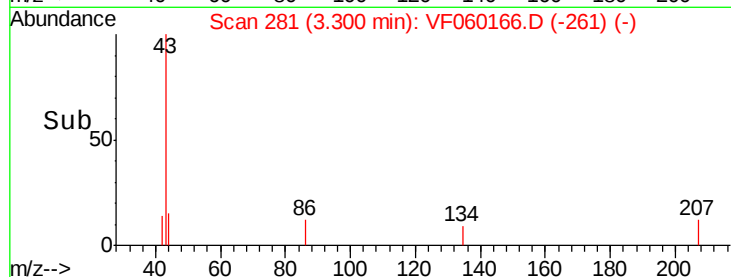
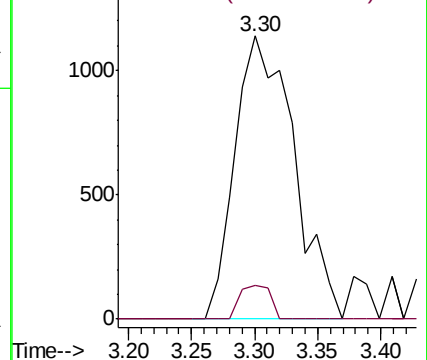
43 100

86 12.1 4.9 7.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 4.143 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

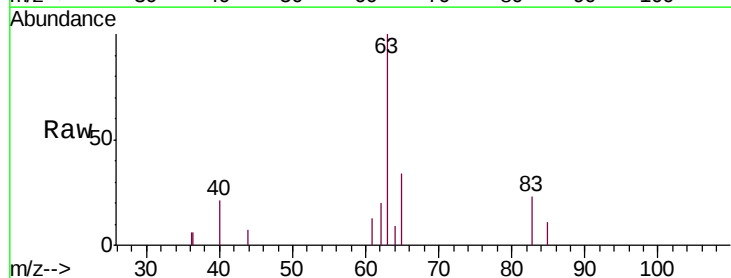
Tgt Ion: 63 Resp: 4954

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.3#

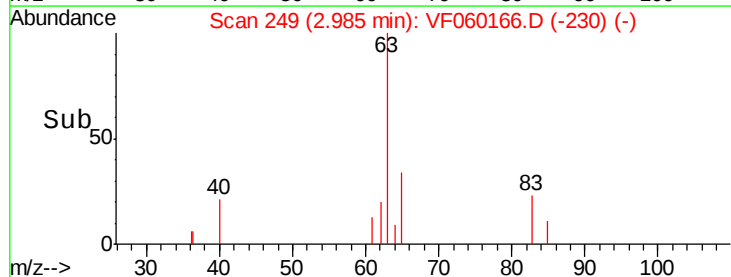
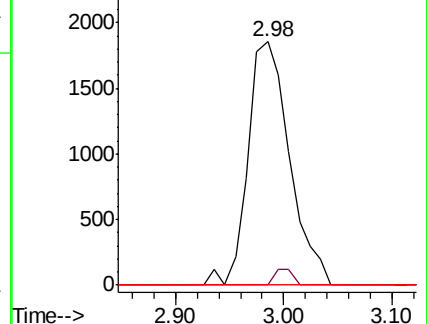
100 0.0 0.9 2.7#

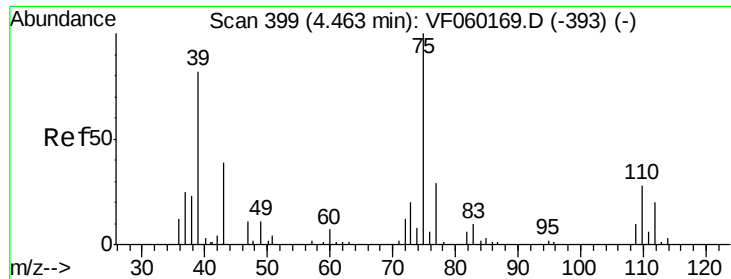


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

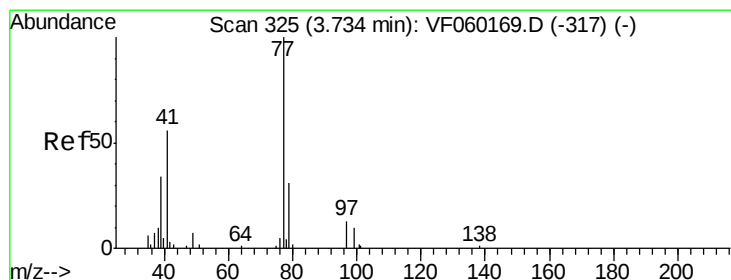
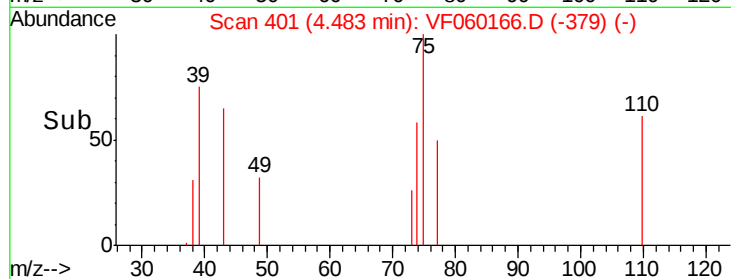
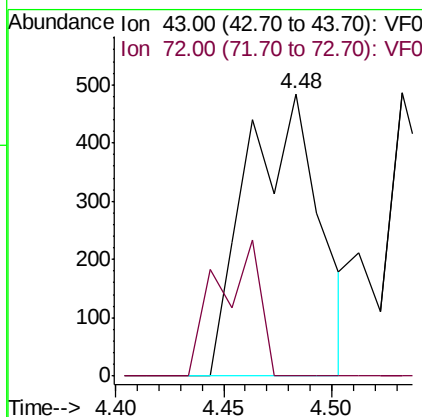
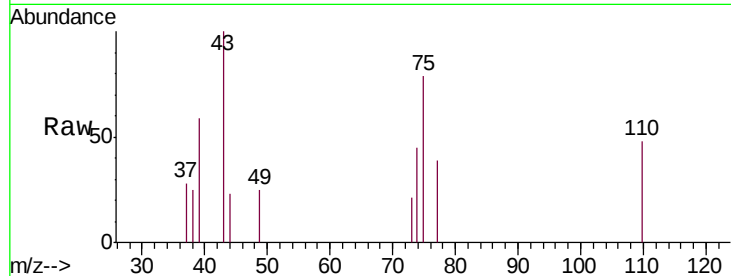




#25
2-Butanone
Concen: 3.622 ug/l
RT: 4.48 min Scan# 401
Delta R.T. 0.02 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

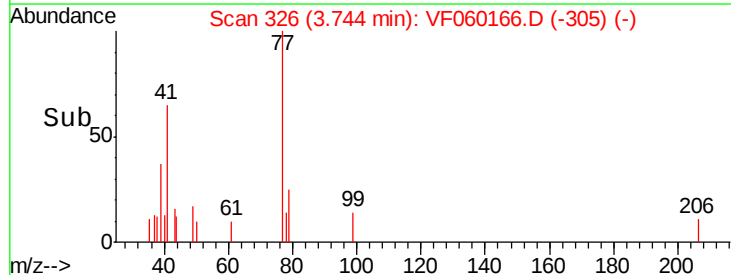
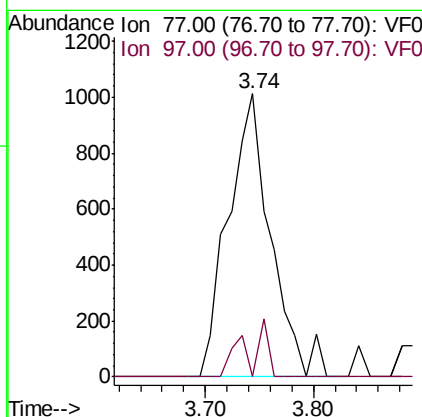
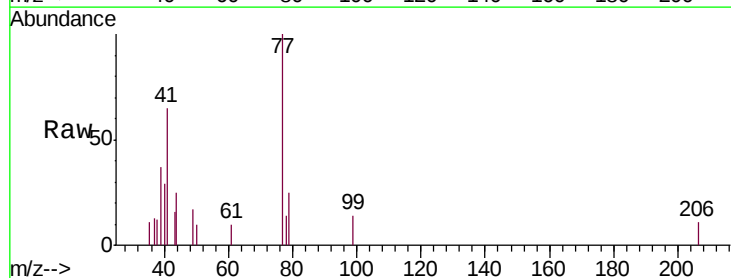
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

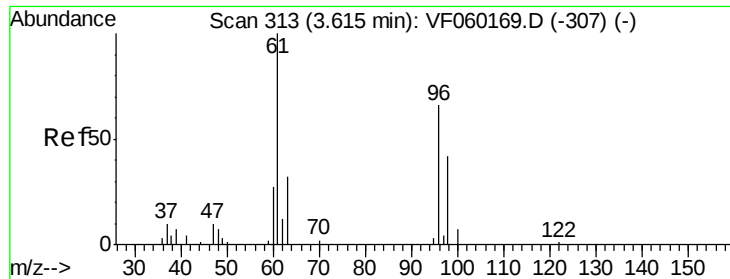
Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.2#



#26
2,2-Dichloropropane
Concen: 2.334 ug/l
RT: 3.74 min Scan# 326
Delta R.T. 0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 77 Resp: 2770
Ion Ratio Lower Upper
77 100
97 0.0 7.0 21.0#



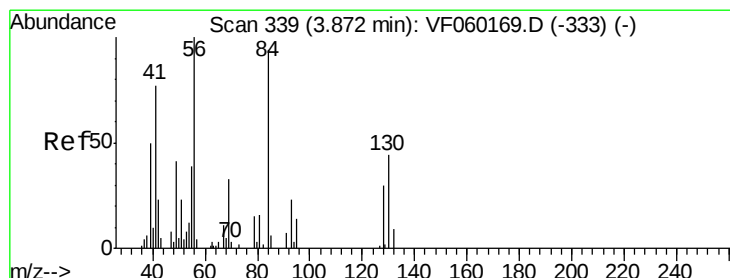
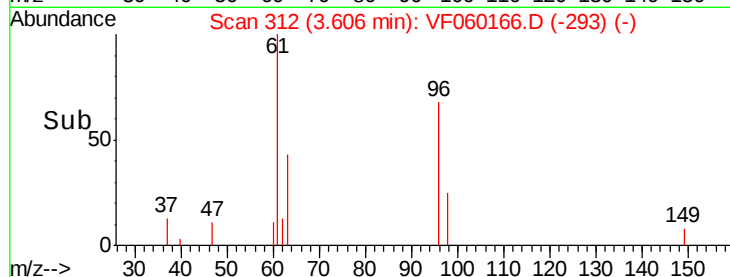
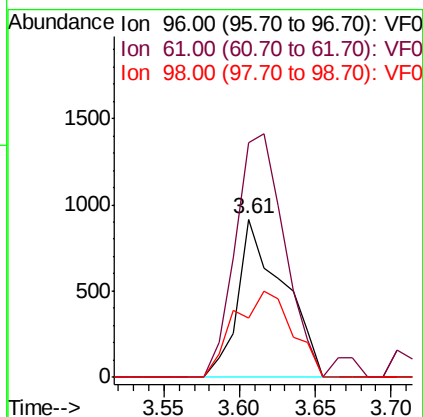
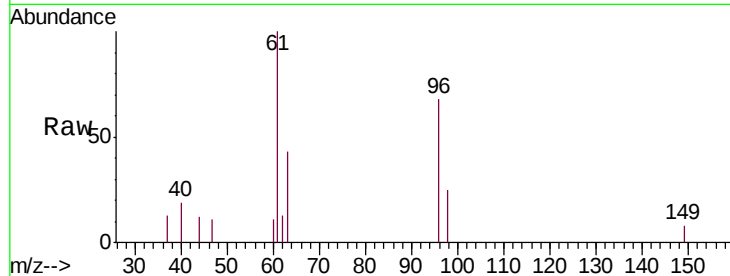


#27

cis-1,2-Dichloroethene
 Concen: 2.628 ug/l
 RT: 3.61 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

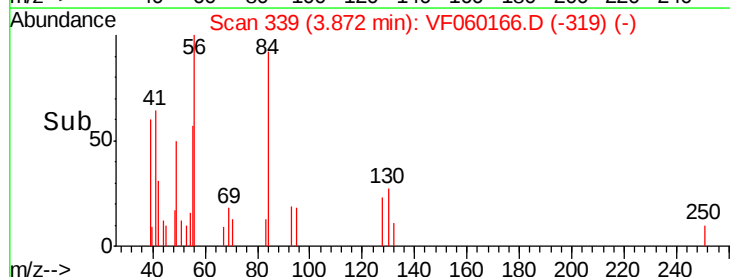
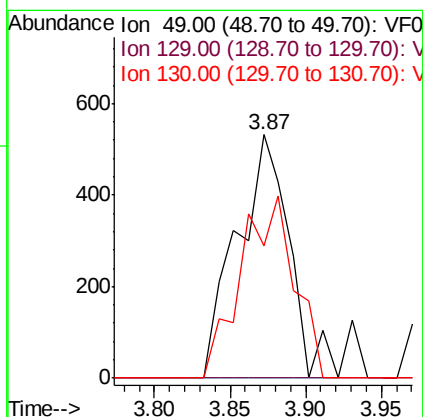
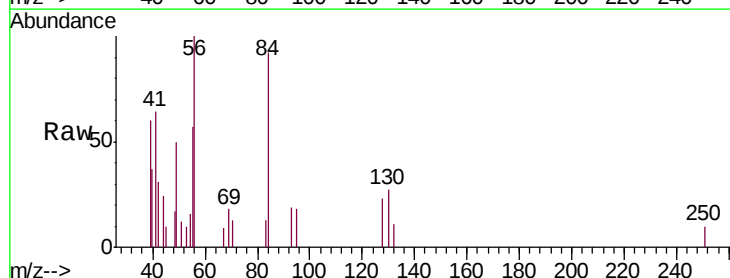
Tgt Ion: 96 Resp: 1925
 Ion Ratio Lower Upper
 96 100
 61 148.1 0.0 303.0
 98 37.7 0.0 126.8

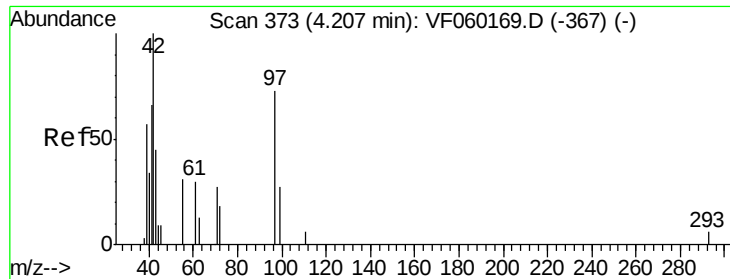


#28

Bromochloromethane
 Concen: 2.738 ug/l
 RT: 3.87 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion: 49 Resp: 1283
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 8.6
 130 54.3 86.0 129.0#





#29

Tetrahydrofuran

Concen: 2.133 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.03 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

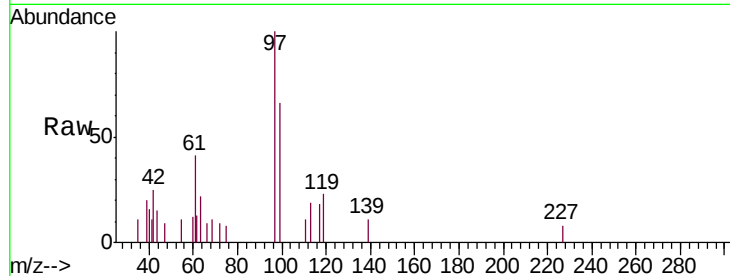
Tgt Ion: 42 Resp: 256

Ion Ratio Lower Upper

42 100

72 55.9 27.0 40.4#

71 28.9 24.6 36.8



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

400

300

200

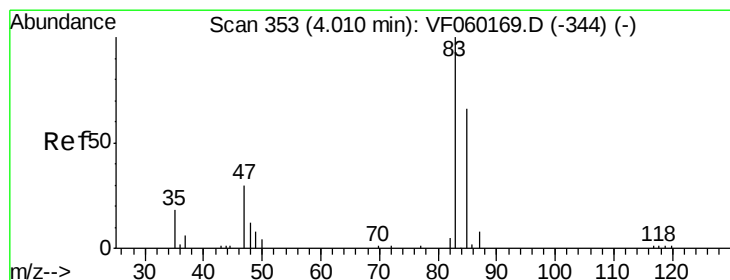
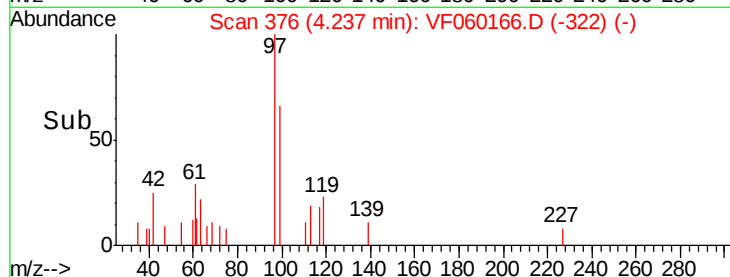
100

0

4.20

4.25

Time-->



#30

Chloroform

Concen: 3.179 ug/l

RT: 4.02 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060166.D

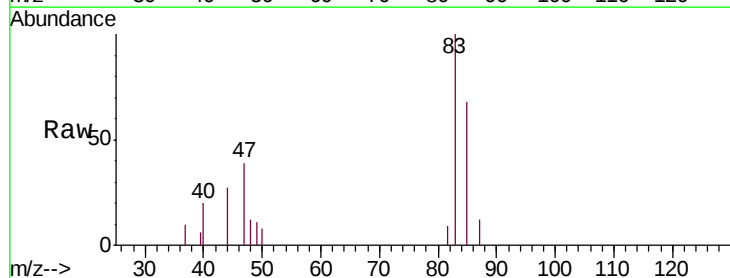
Acq: 29 Aug 2018 00:04

Tgt Ion: 83 Resp: 5164

Ion Ratio Lower Upper

83 100

85 68.2 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

2000

1500

1000

500

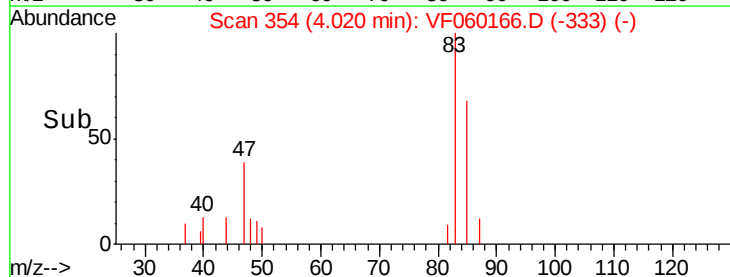
0

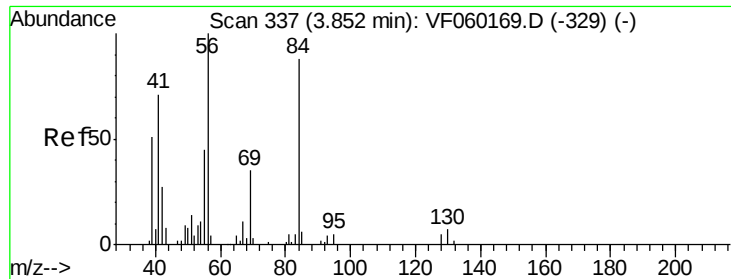
3.90

4.00

4.10

Time-->

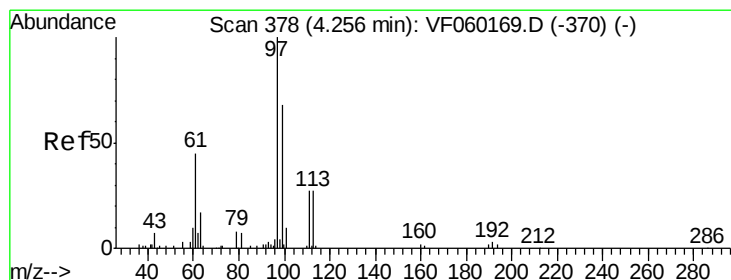
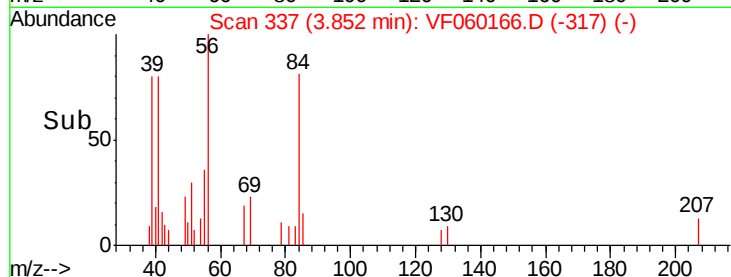
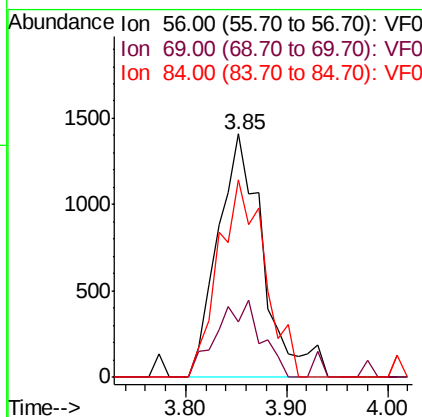
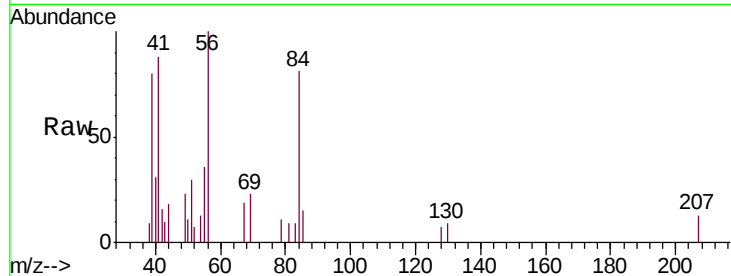




#31
Cyclohexane
Concen: 4.568 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

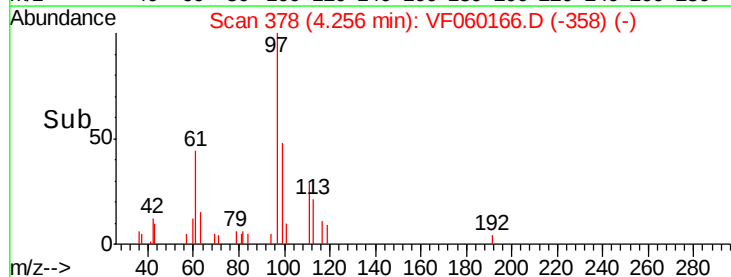
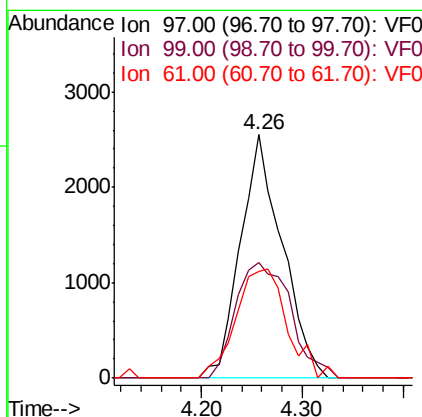
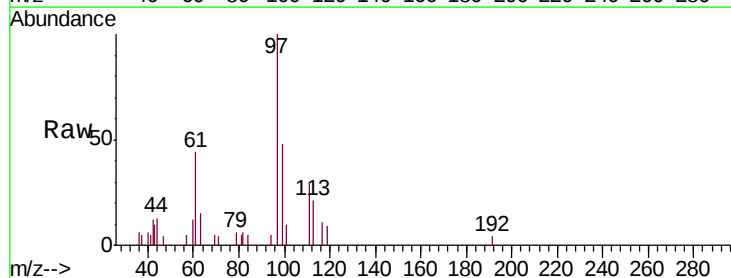
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

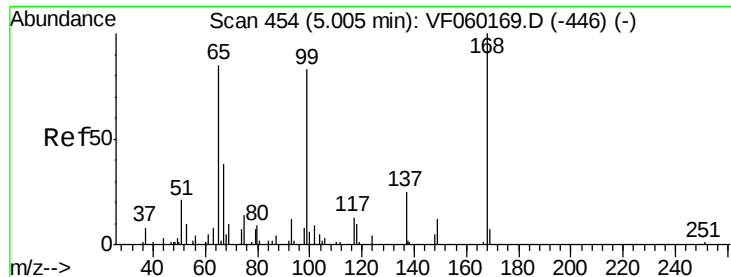
Tgt Ion: 56 Resp: 4409
Ion Ratio Lower Upper
56 100
69 22.7 27.7 41.5#
84 81.3 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 4.874 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 97 Resp: 7371
Ion Ratio Lower Upper
97 100
99 47.7 54.4 81.6#
61 43.9 36.2 54.4

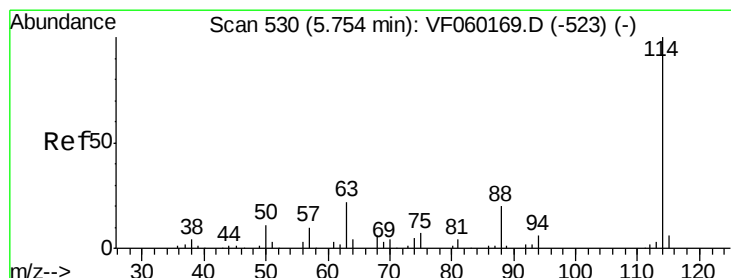
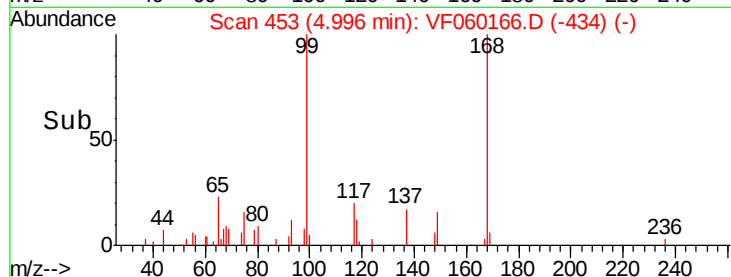
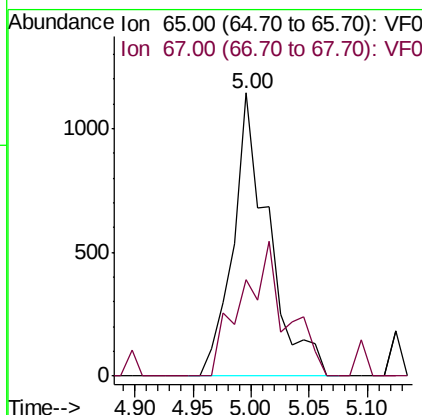
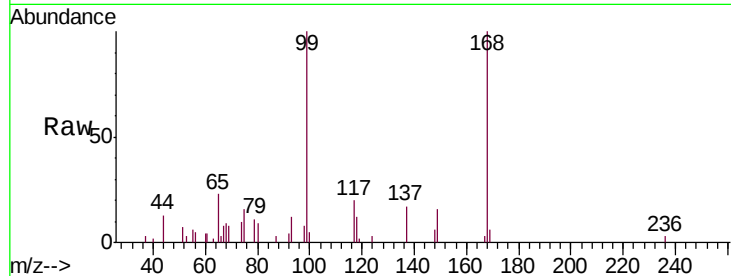




#33
 1,2-Dichloroethane-d4
 Concen: 2.472 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

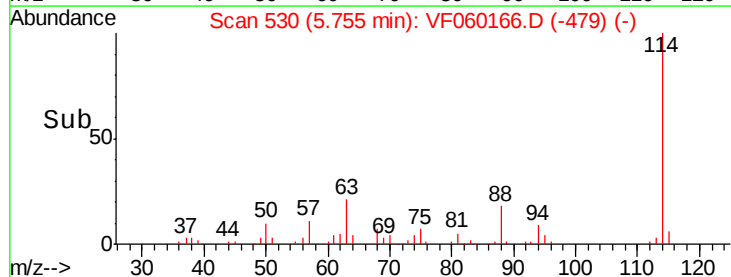
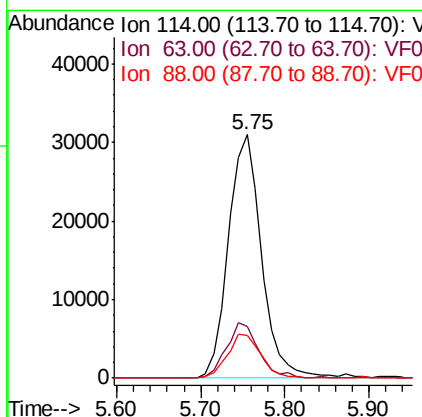
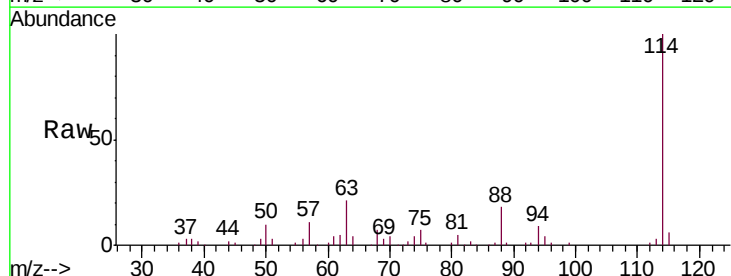
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

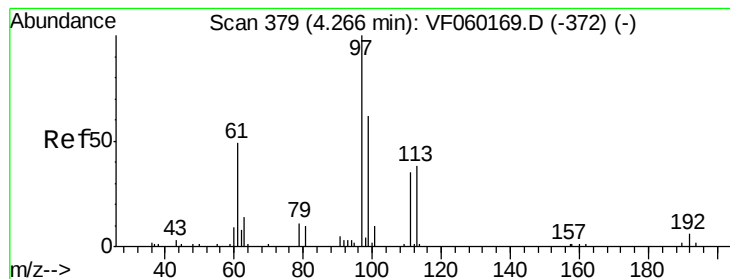
Tgt Ion: 65 Resp: 2426
 Ion Ratio Lower Upper
 65 100
 67 33.9 0.0 92.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion: 114 Resp: 84763
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.8
 88 17.5 0.0 40.2





#35

Dibromofluoromethane

Concen: 3.816 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

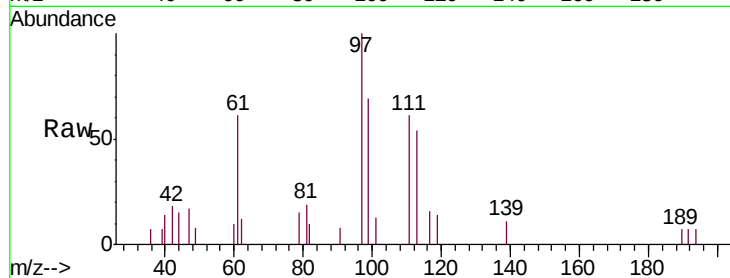
Tgt Ion:113 Resp: 2476

Ion Ratio Lower Upper

113 100

111 112.7 75.5 113.3

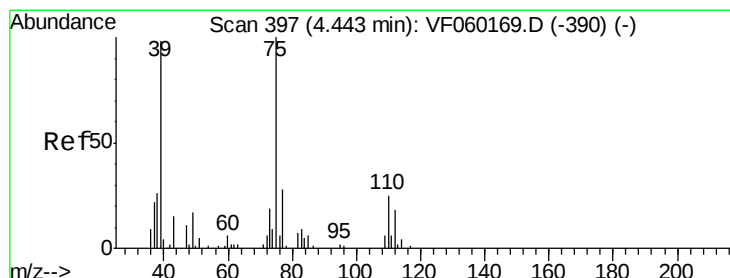
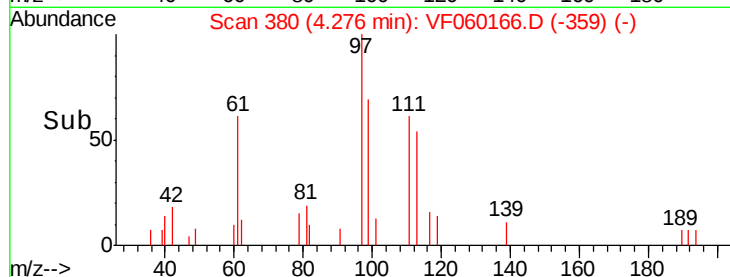
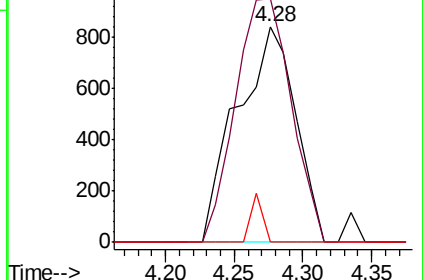
192 0.0 12.5 18.7#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 6.752 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

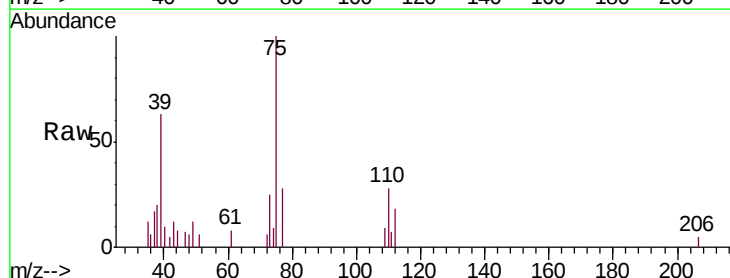
Tgt Ion: 75 Resp: 5780

Ion Ratio Lower Upper

75 100

110 27.9 12.6 37.6

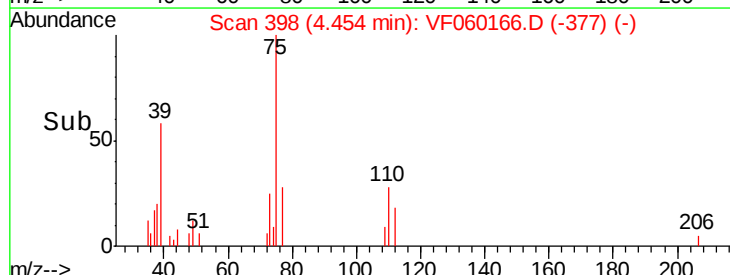
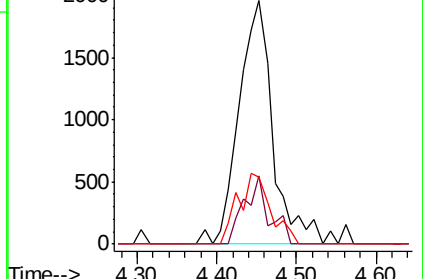
77 27.6 22.2 33.4

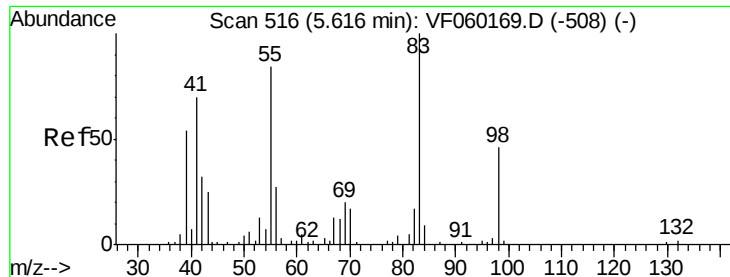


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

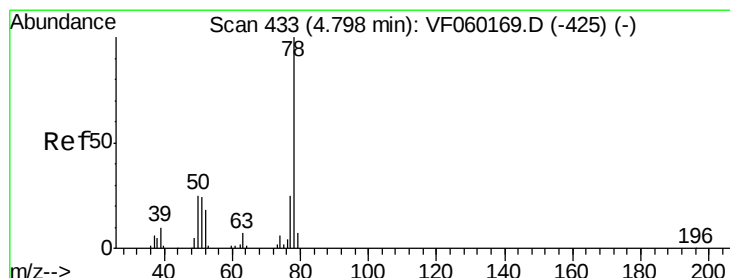
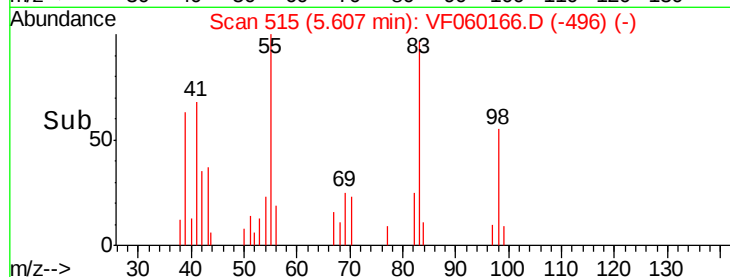
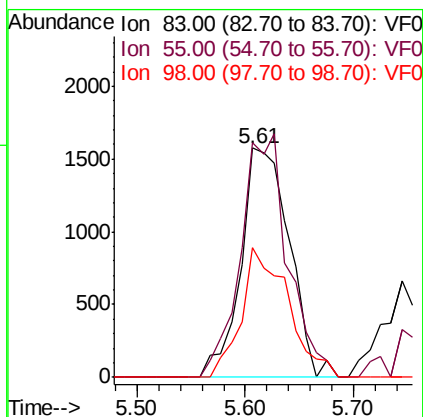
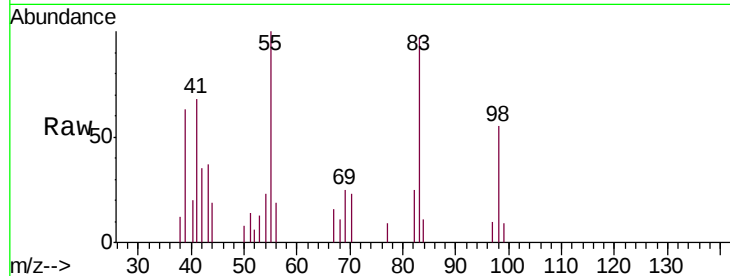




#39
Methylcyclohexane
Concen: 5.860 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

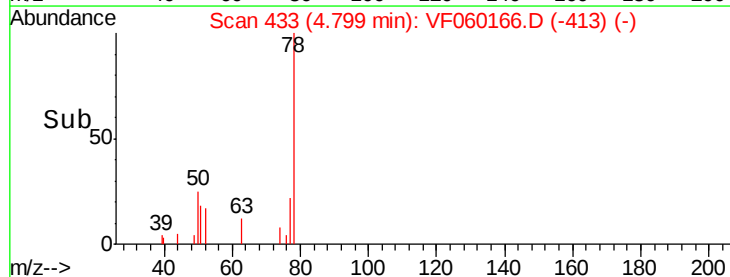
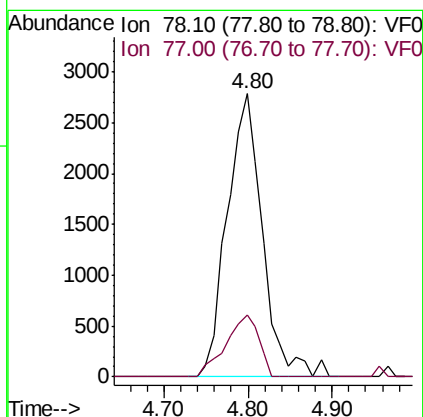
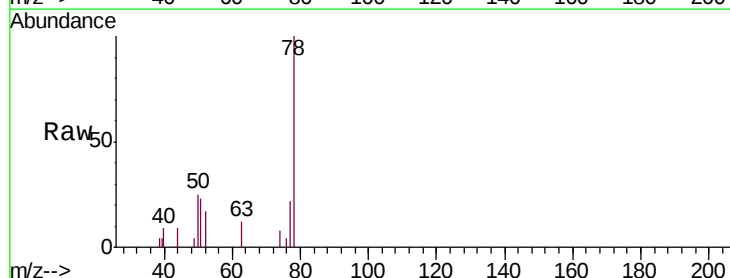
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

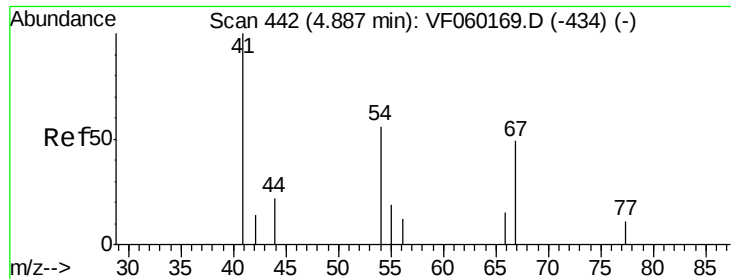
Tgt Ion: 83 Resp: 4898
Ion Ratio Lower Upper
83 100
55 102.7 67.4 101.2#
98 56.7 37.0 55.6#



#40
Benzene
Concen: 4.723 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 78 Resp: 8123
Ion Ratio Lower Upper
78 100
77 22.0 20.2 30.2





#41

Methacrylonitrile

Concen: 1.495 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 322

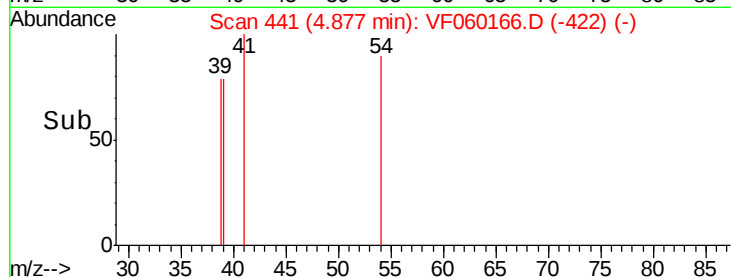
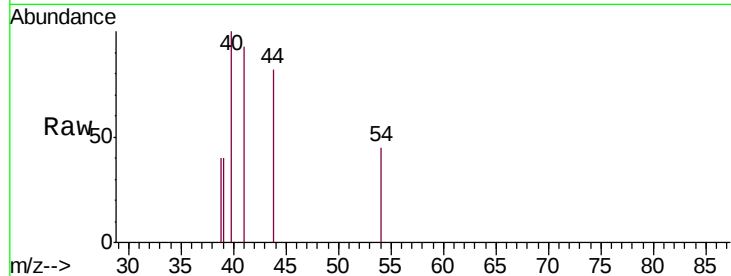
Ion Ratio Lower Upper

41 100

39 86.5 45.0 67.6#

67 0.0 39.5 59.3#

52 0.0 28.5 42.7#

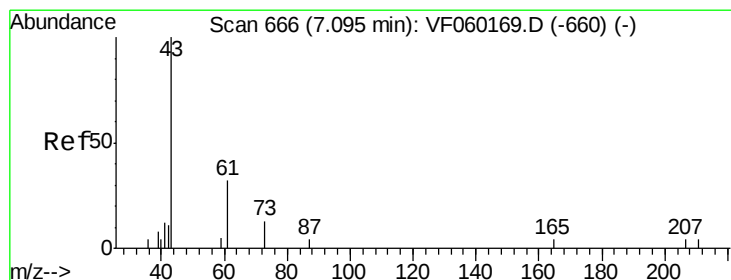
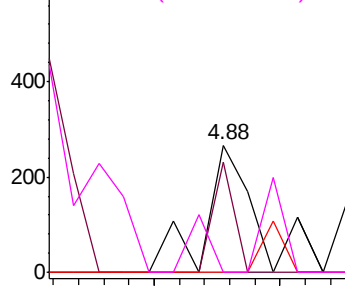


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#43

Isopropyl Acetate

Concen: 1.705 ug/l

RT: 7.10 min Scan# 666

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

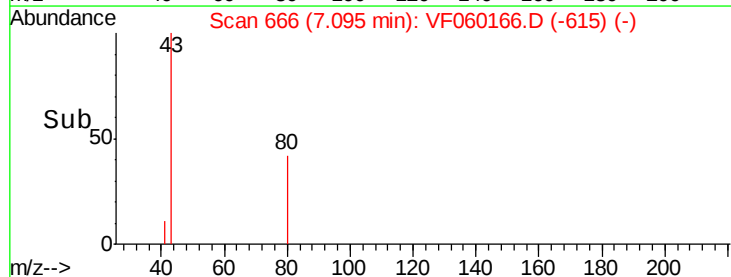
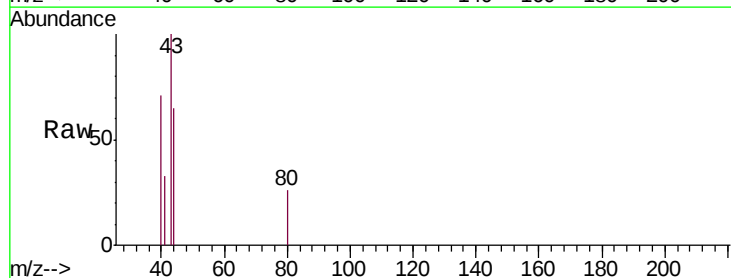
Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

43 100

61 0.0 25.3 37.9#

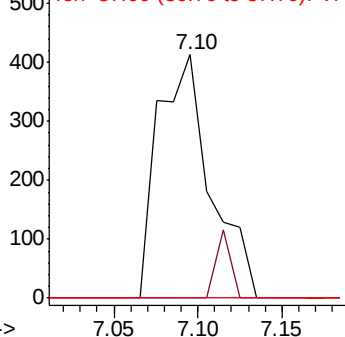
87 0.0 3.0 4.6#

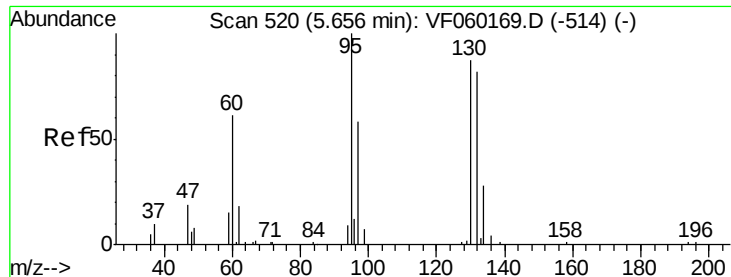


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

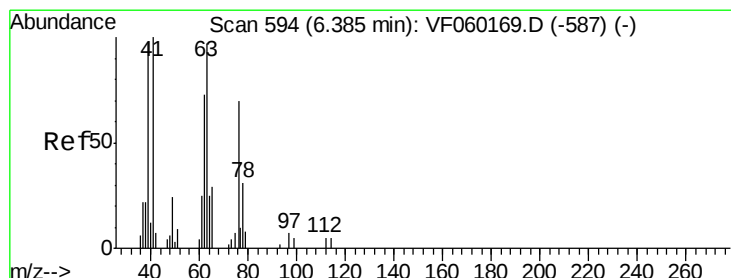
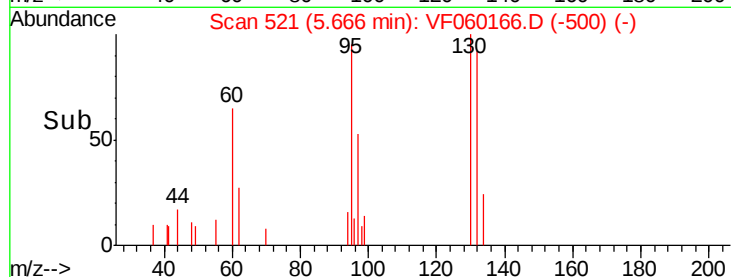
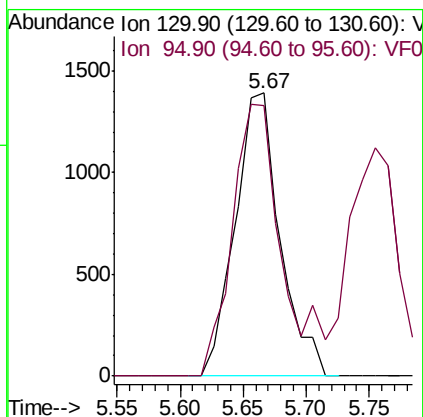
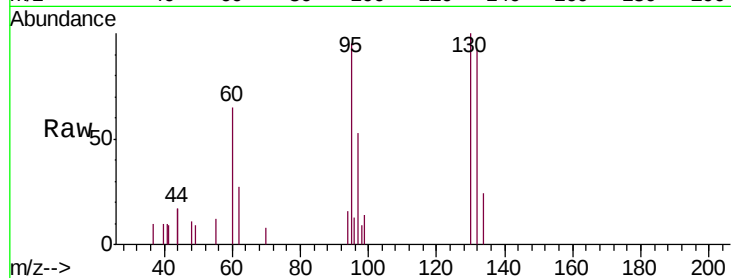




#44
 Trichloroethene
 Concen: 5.764 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

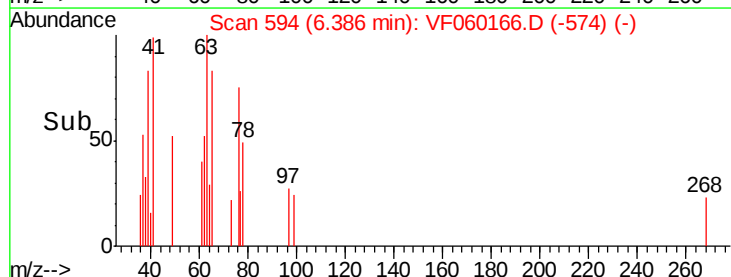
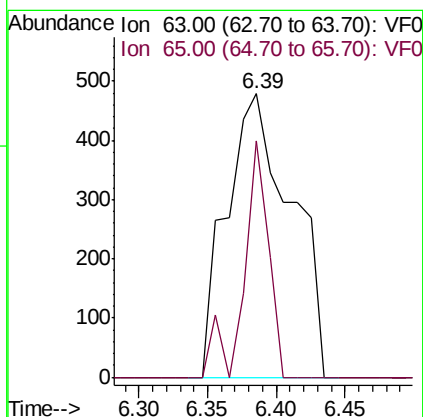
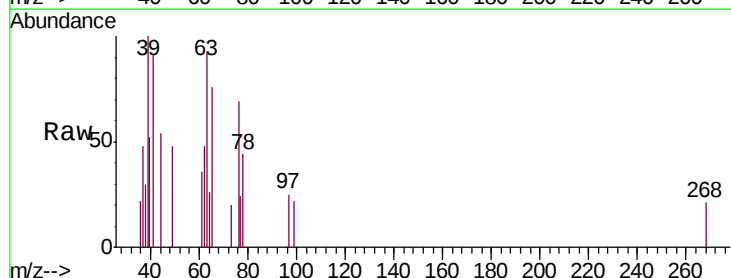
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

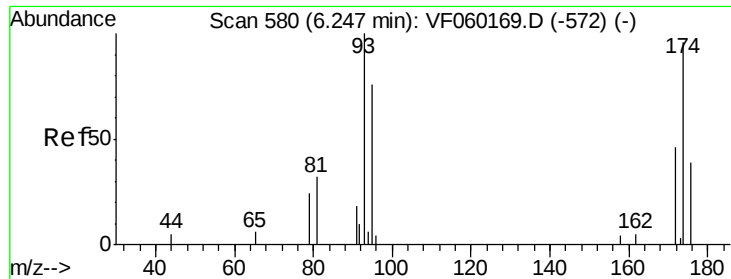
Tgt Ion:130 Resp: 3444
 Ion Ratio Lower Upper
 130 100
 95 95.5 0.0 230.8



#45
 1,2-Dichloropropane
 Concen: 3.385 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion: 63 Resp: 1571
 Ion Ratio Lower Upper
 63 100
 65 83.5 23.6 35.4#

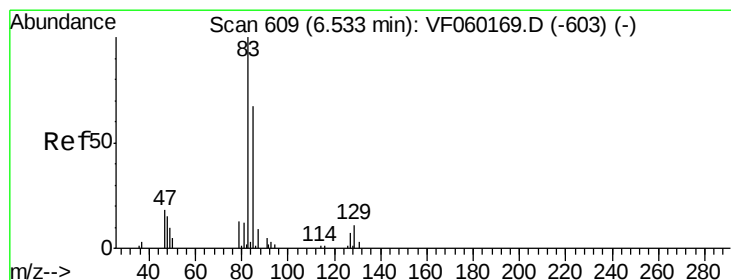
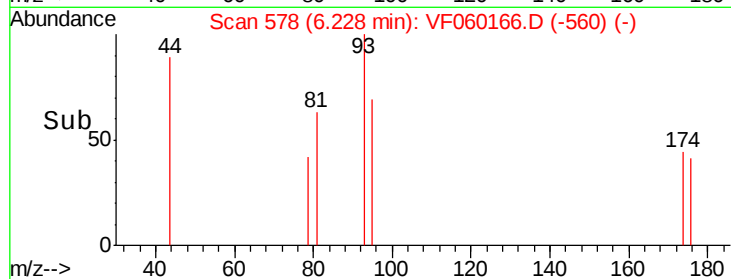
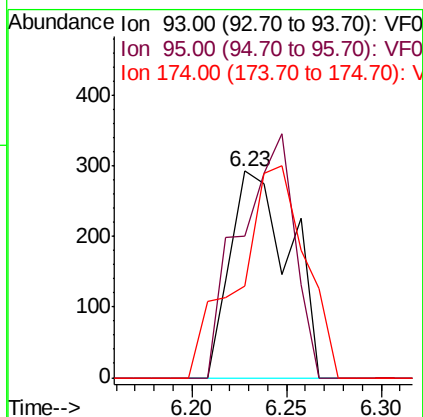
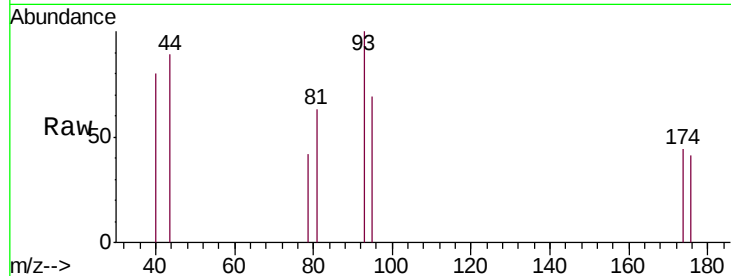




#46
Dibromomethane
Concen: 1.807 ug/l
RT: 6.23 min Scan# 578
Delta R.T. -0.02 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

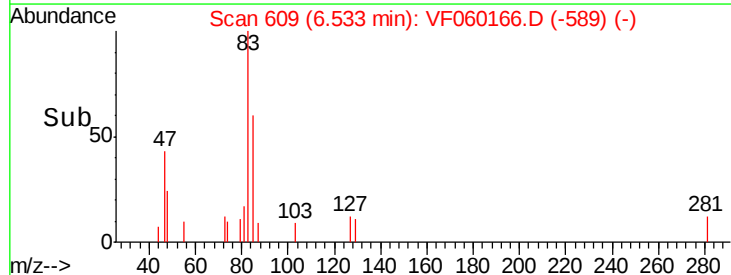
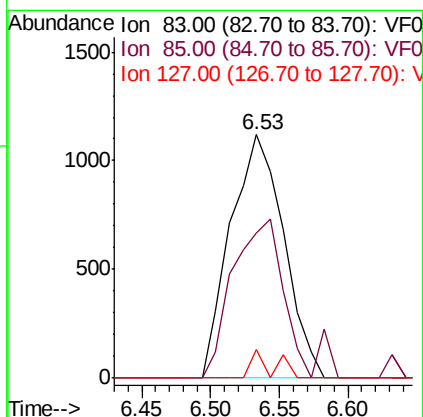
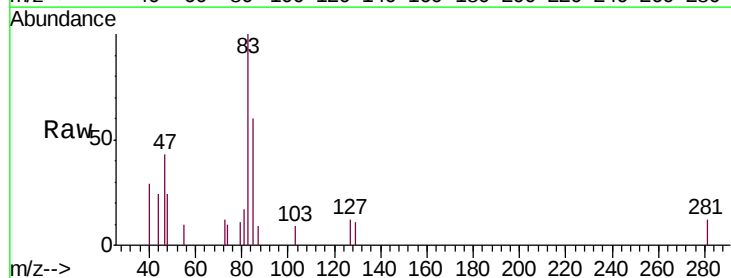
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

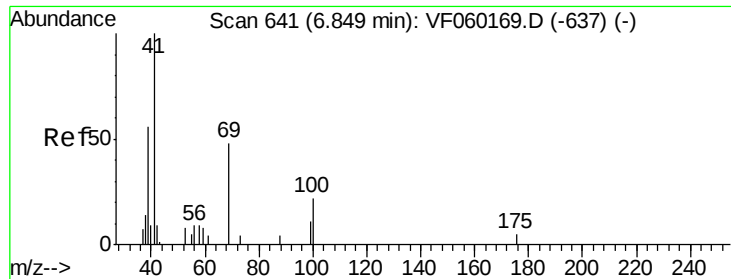
Tgt Ion: 93 Resp: 635
Ion Ratio Lower Upper
93 100
95 68.8 60.8 91.2
174 44.2 76.8 115.2#



#47
Bromodichloromethane
Concen: 3.398 ug/l
RT: 6.53 min Scan# 609
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 83 Resp: 3003
Ion Ratio Lower Upper
83 100
85 59.7 53.3 79.9
127 12.0 5.7 8.5#

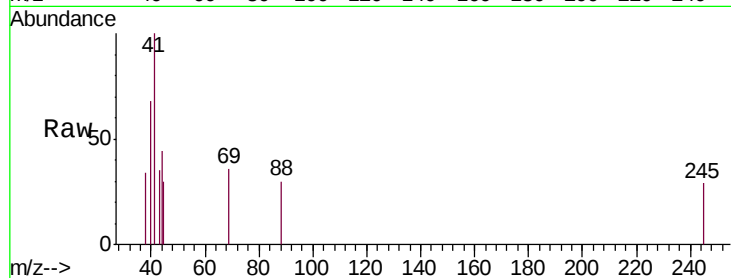




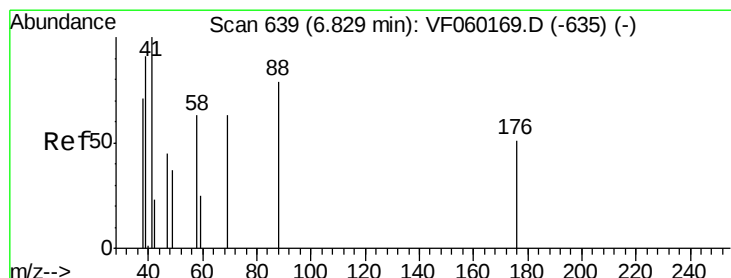
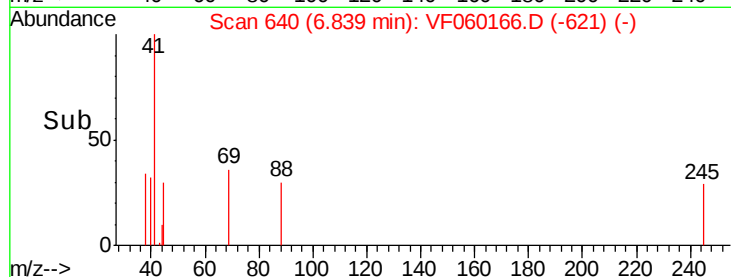
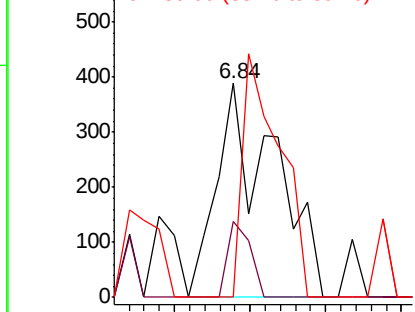
#48
Methyl methacrylate
Concen: 2.965 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 1039
Ion Ratio Lower Upper
41 100
69 35.8 38.2 57.2#
39 0.0 56.2 84.2#

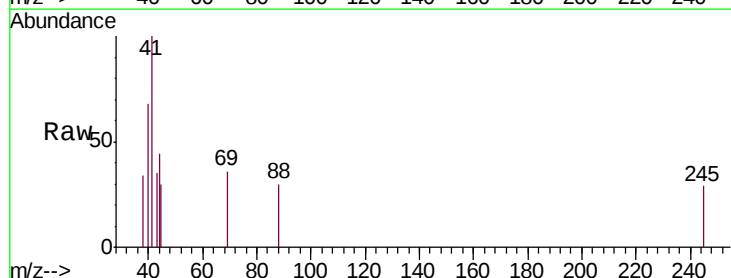


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

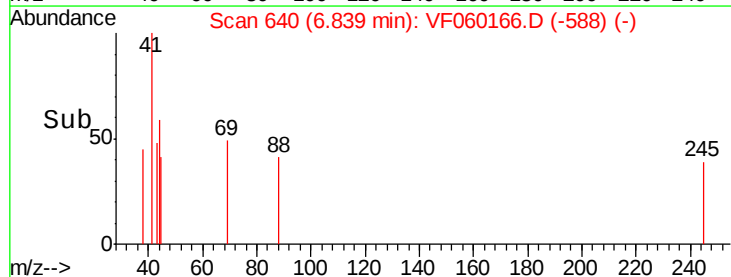
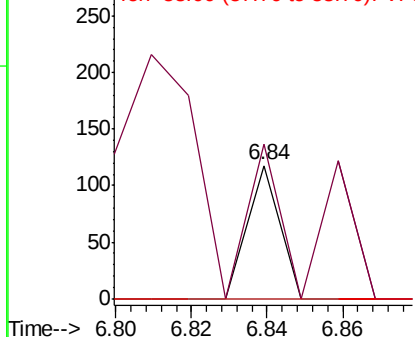


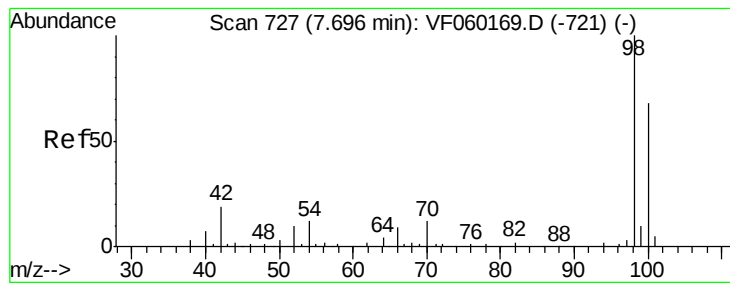
#49
1,4-Dioxane
Concen: 21.099 ug/l
RT: 6.84 min Scan# 640
Delta R.T. 0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 116.1 24.5 36.7#
58 0.0 63.8 95.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 4.381 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

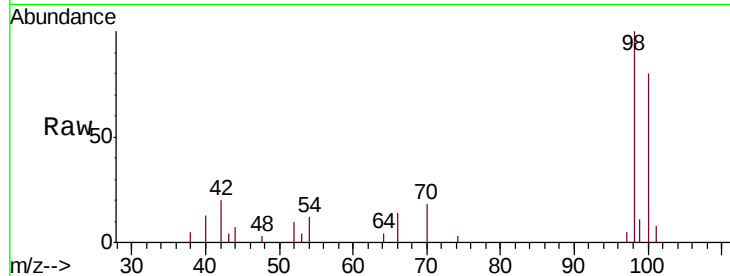
VSTDIC005

Tgt Ion: 98 Resp: 8335

Ion Ratio Lower Upper

98 100

100 80.4 54.5 81.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

4000

3000

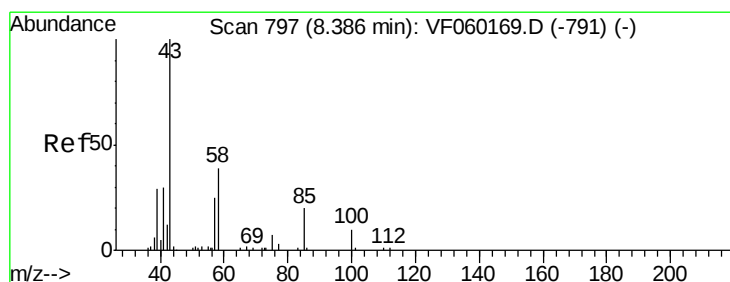
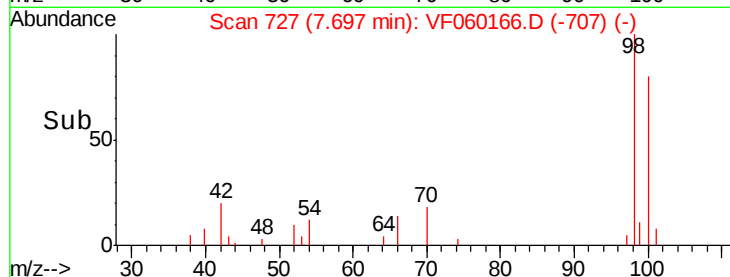
2000

1000

0

Time-->

7.60 7.65 7.70 7.75 7.80



#51

4-Methyl-2-Pentanone

Concen: 7.434 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF060166.D

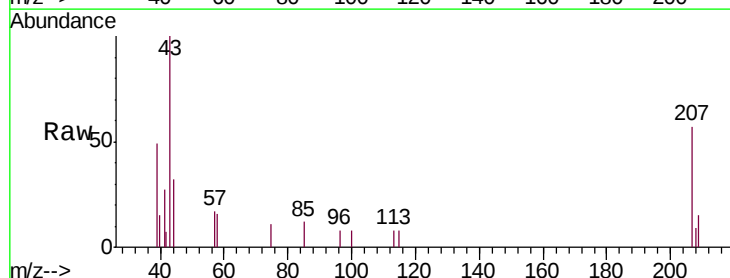
Acq: 29 Aug 2018 00:04

Tgt Ion: 43 Resp: 3397

Ion Ratio Lower Upper

43 100

58 16.0 31.0 46.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

1500

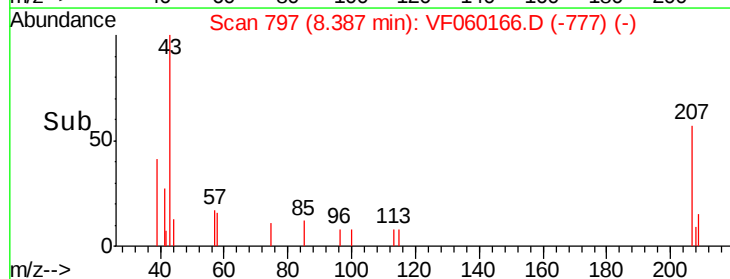
1000

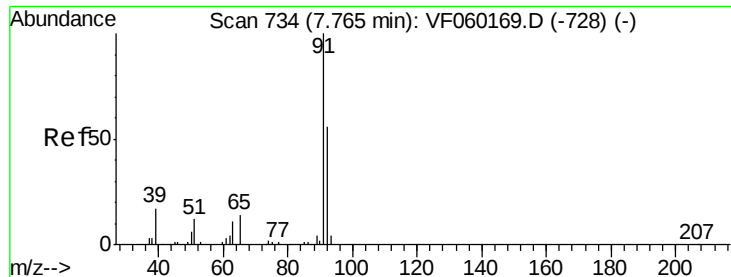
500

0

Time-->

8.25 8.30 8.35 8.40 8.45





#52

Toluene

Concen: 4.648 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

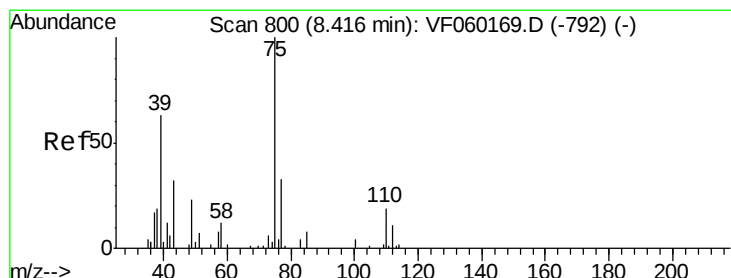
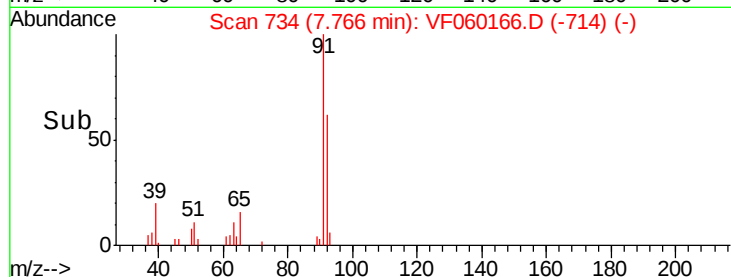
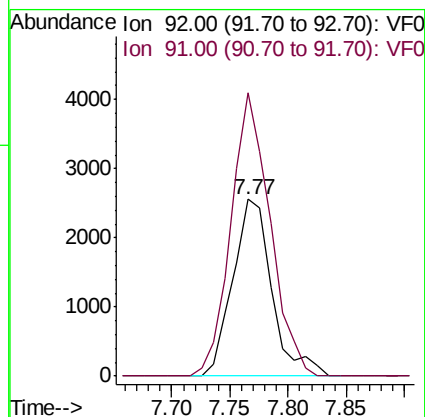
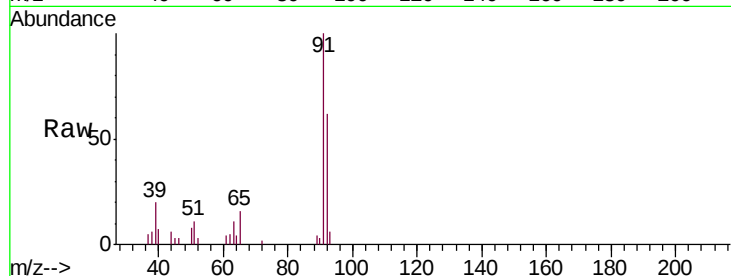
VSTDIC005

Tgt Ion: 92 Resp: 5942

Ion Ratio Lower Upper

92 100

91 160.0 141.9 212.9



#53

t-1,3-Dichloropropene

Concen: 1.944 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF060166.D

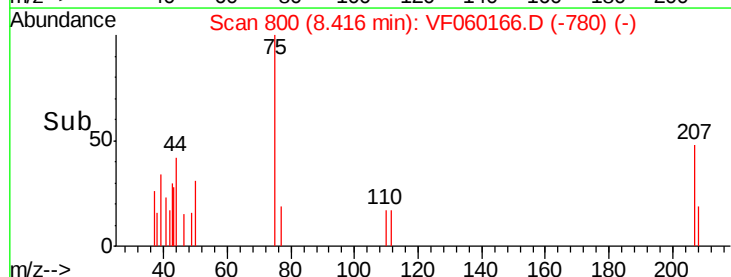
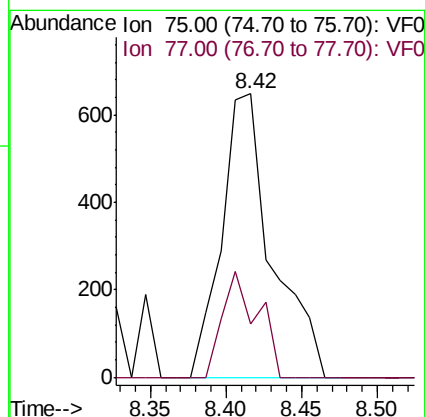
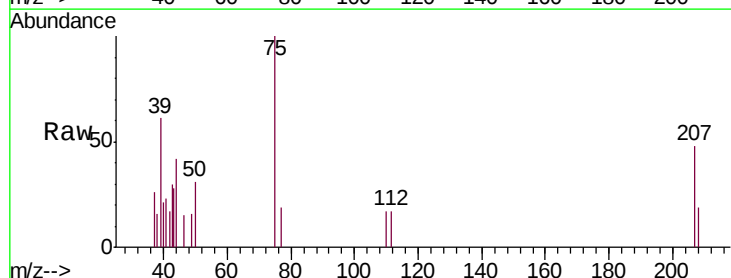
Acq: 29 Aug 2018 00:04

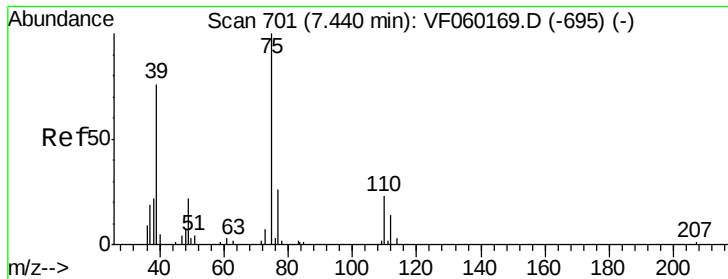
Tgt Ion: 75 Resp: 1499

Ion Ratio Lower Upper

75 100

77 19.0 26.4 39.6#





#54

cis-1,3-Dichloropropene

Concen: 2.217 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

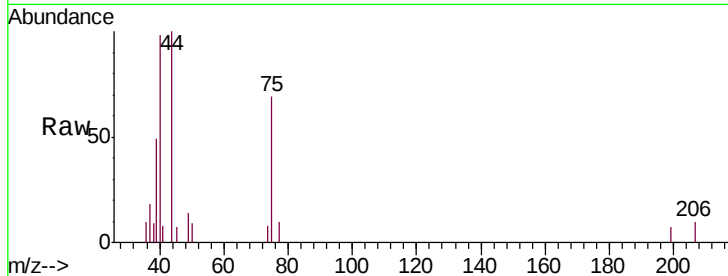
Tgt Ion: 75 Resp: 1904

Ion Ratio Lower Upper

75 100

77 13.9 20.7 31.1#

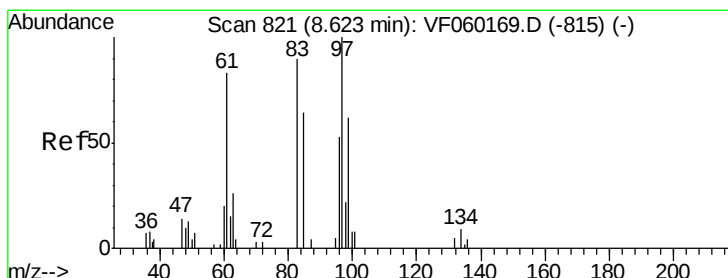
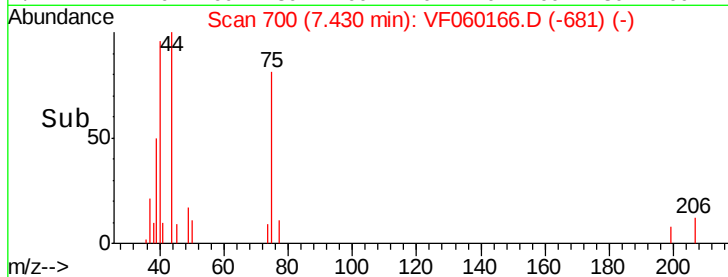
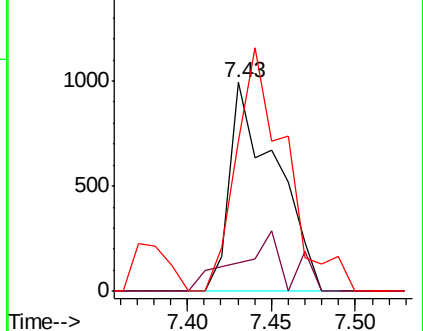
39 72.0 60.9 91.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 2.601 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion: 97 Resp: 1096

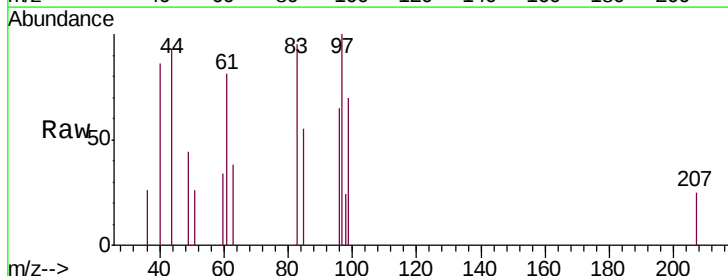
Ion Ratio Lower Upper

97 100

83 94.5 72.0 108.0

85 55.4 51.0 76.4

99 69.7 49.5 74.3

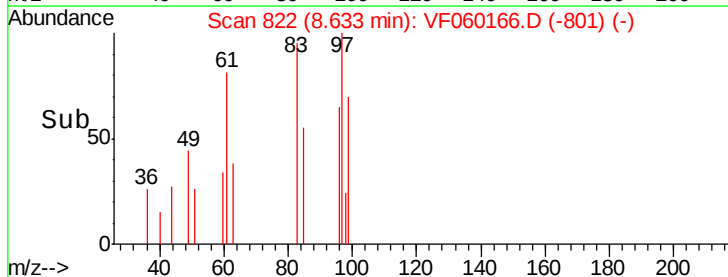
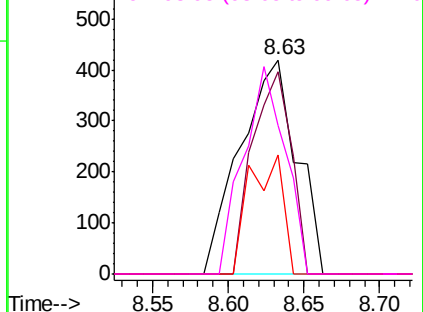


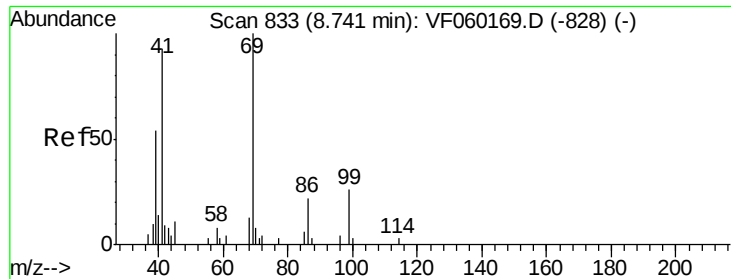
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#56

Ethyl methacrylate

Concen: 1.483 ug/l

RT: 8.74 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

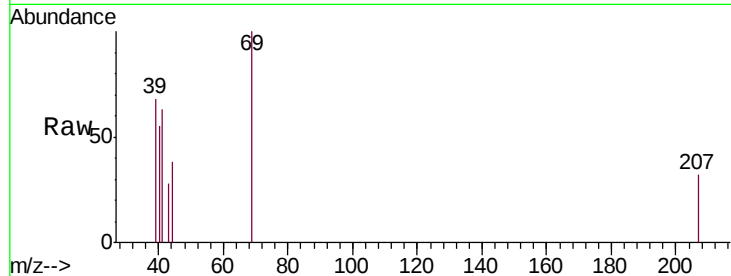
Tgt Ion: 69 Resp: 740

Ion Ratio Lower Upper

69 100

41 63.4 74.6 111.8#

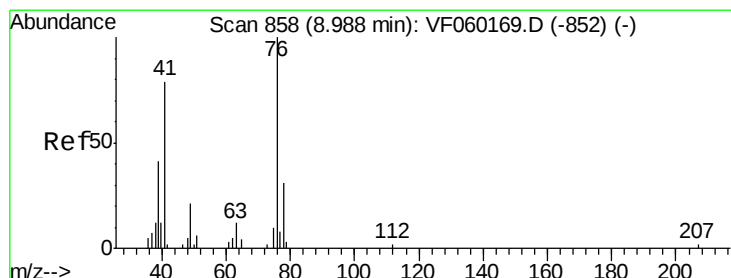
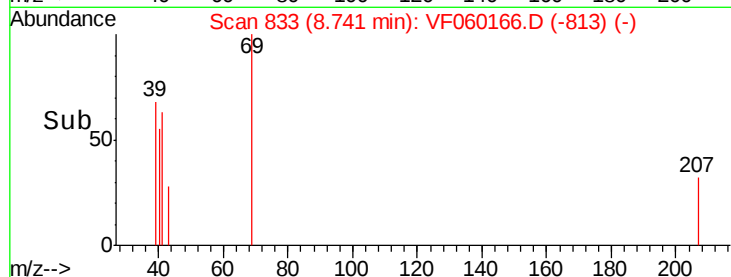
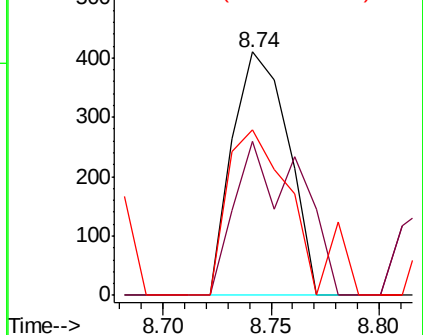
39 67.8 46.2 69.4



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 2.003 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF060166.D

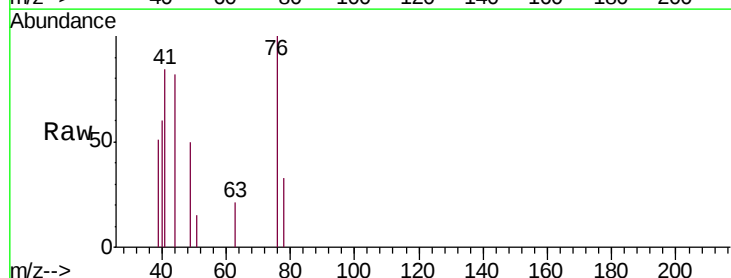
Acq: 29 Aug 2018 00:04

Tgt Ion: 76 Resp: 1483

Ion Ratio Lower Upper

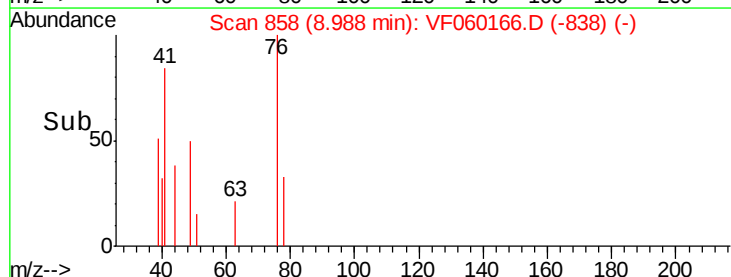
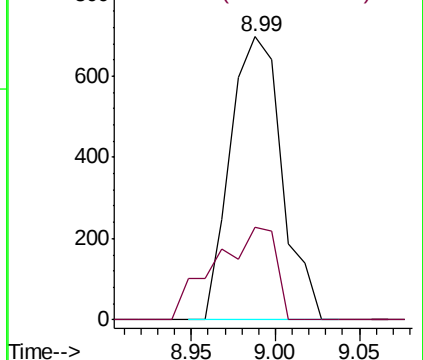
76 100

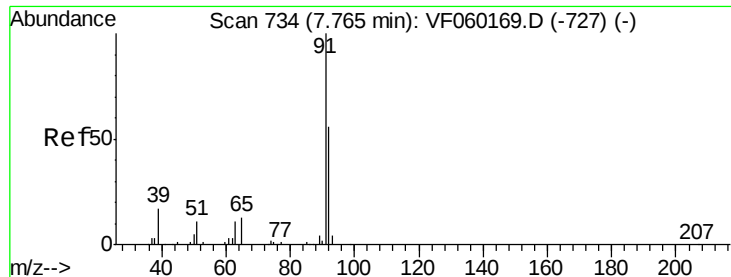
78 32.9 24.6 37.0



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: 24.863 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

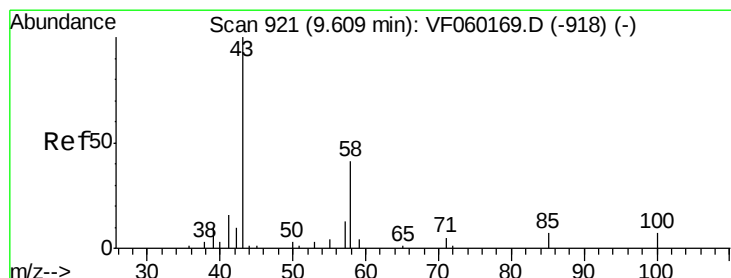
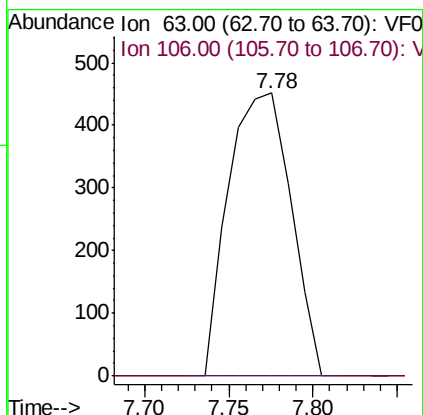
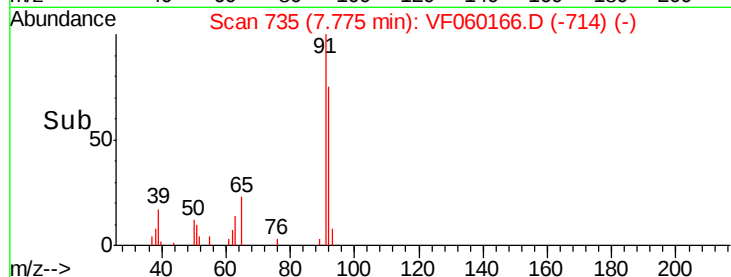
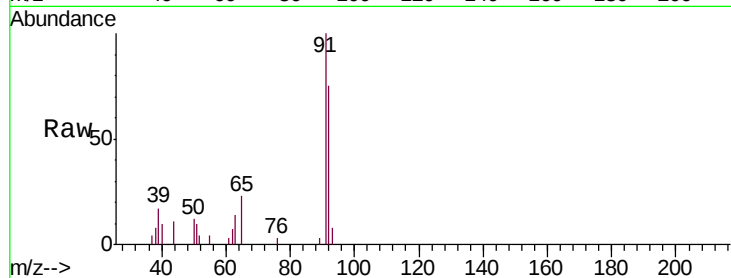
VSTDIC005

Tgt Ion: 63 Resp: 1164

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



#59

2-Hexanone

Concen: 6.195 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.01 min

Lab File: VF060166.D

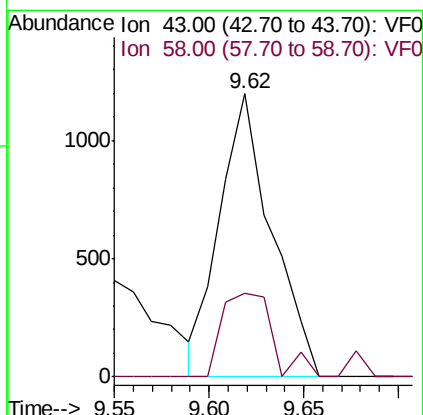
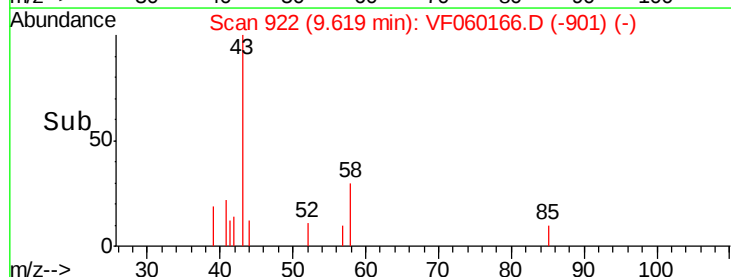
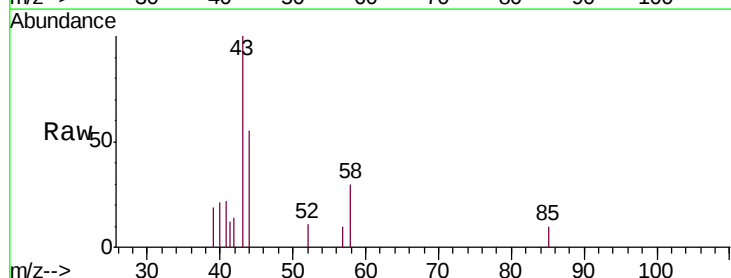
Acq: 29 Aug 2018 00:04

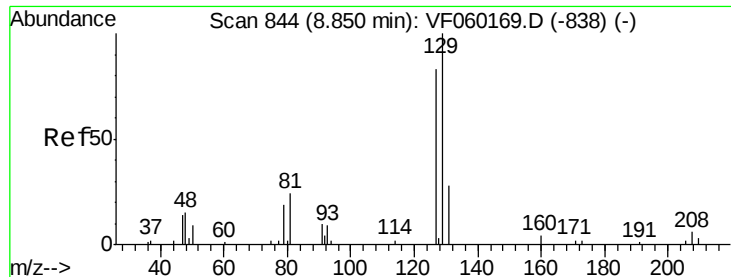
Tgt Ion: 43 Resp: 2276

Ion Ratio Lower Upper

43 100

58 29.8 19.4 58.4





#60

Dibromochloromethane

Concen: 2.018 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

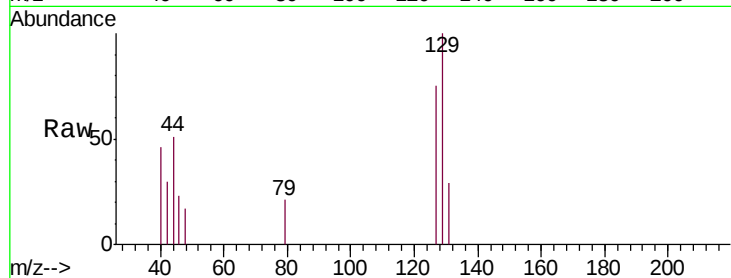
VSTDIC005

Tgt Ion:129 Resp: 1281

Ion Ratio Lower Upper

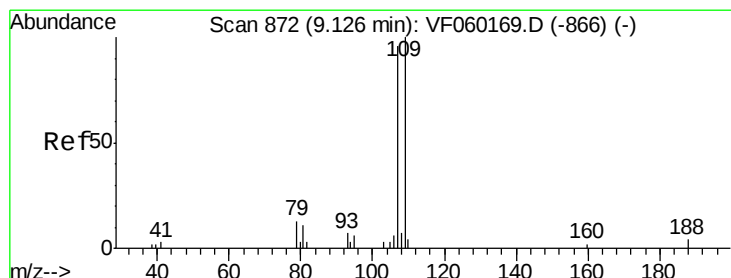
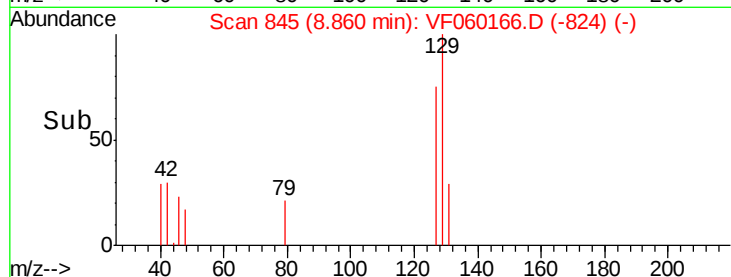
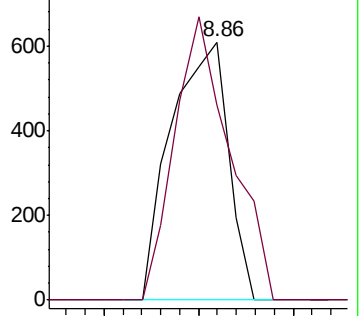
129 100

127 75.4 43.2 129.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 1.756 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF060166.D

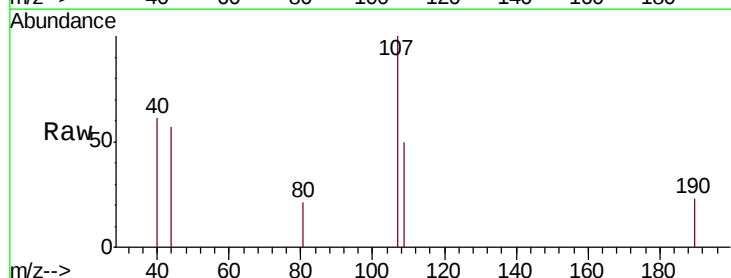
Acq: 29 Aug 2018 00:04

Tgt Ion:107 Resp: 867

Ion Ratio Lower Upper

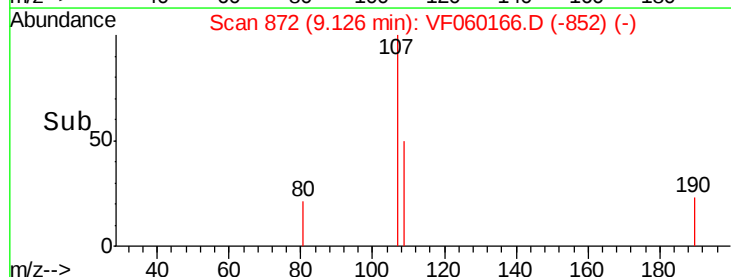
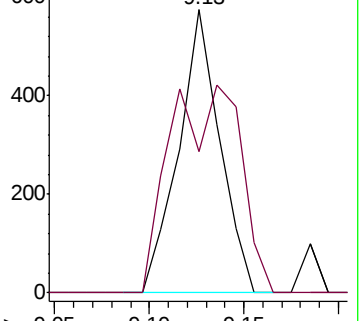
107 100

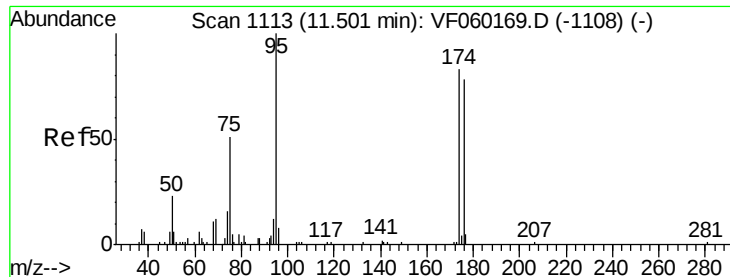
109 50.2 83.4 125.0#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 4.123 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

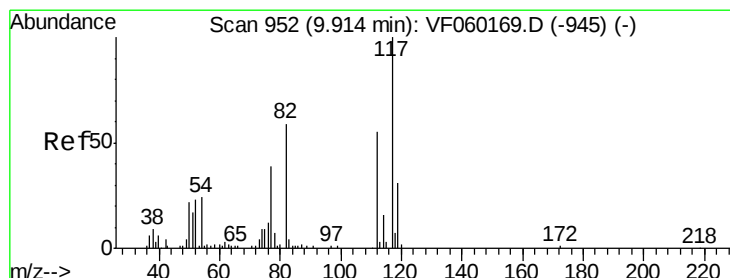
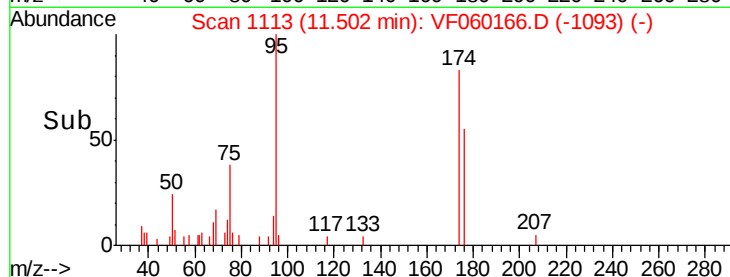
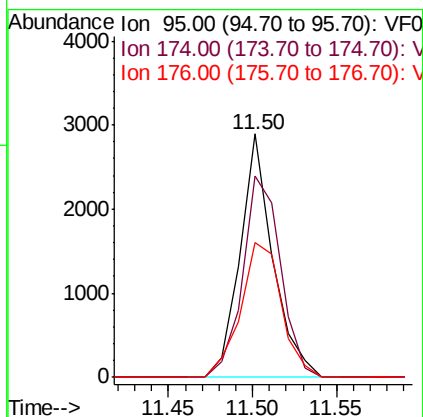
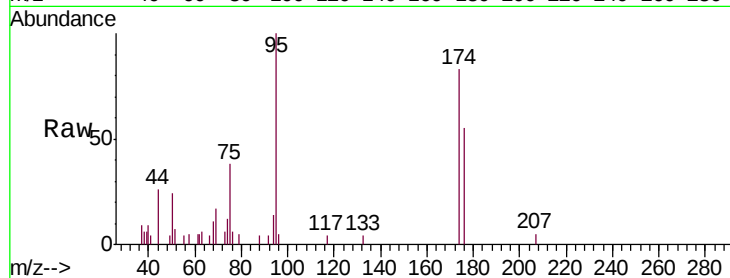
Tgt Ion: 95 Resp: 3922

Ion Ratio Lower Upper

95 100

174 82.6 0.0 165.2

176 55.3 0.0 156.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

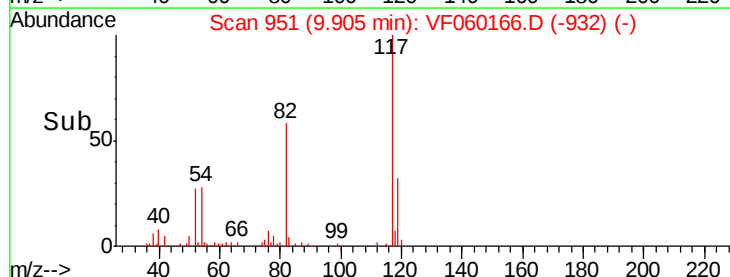
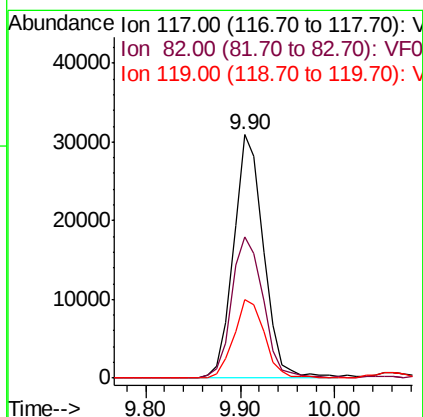
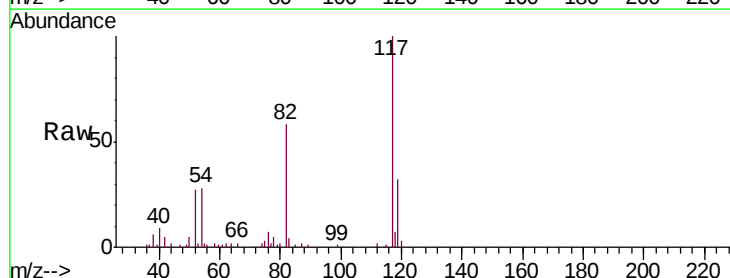
Tgt Ion: 117 Resp: 67775

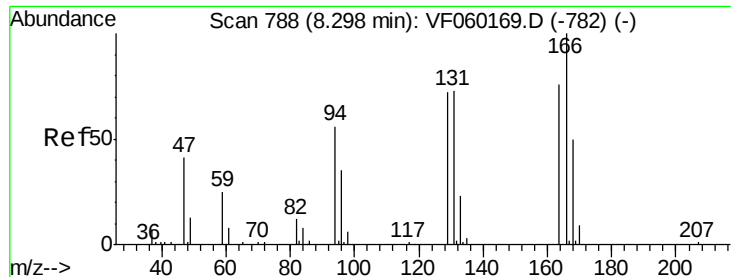
Ion Ratio Lower Upper

117 100

82 58.2 47.2 70.8

119 32.0 25.0 37.4





#64

Tetrachloroethene

Concen: 7.973 ug/l

RT: 8.30 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 4172

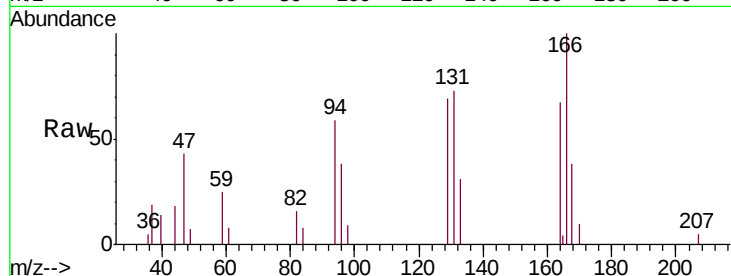
Ion Ratio Lower Upper

164 100

166 150.4 105.2 157.8

129 104.4 76.2 114.2

131 110.3 77.0 115.6

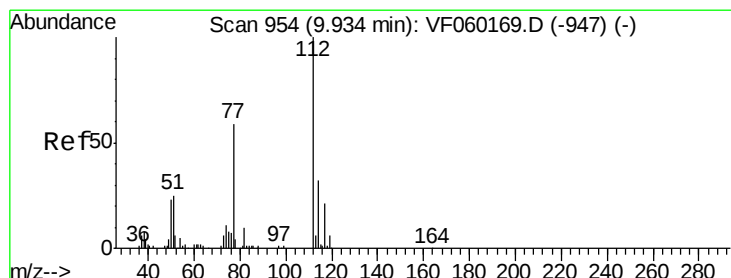
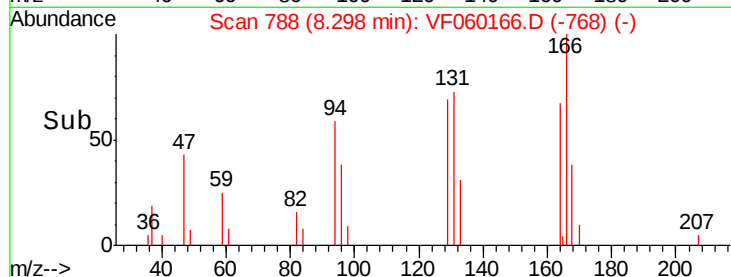
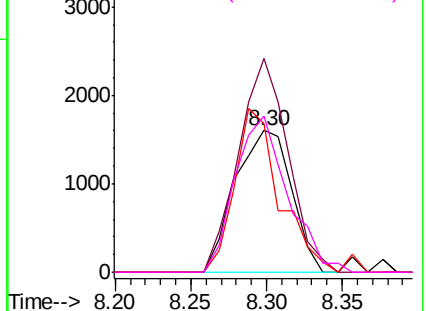


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.326 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060166.D

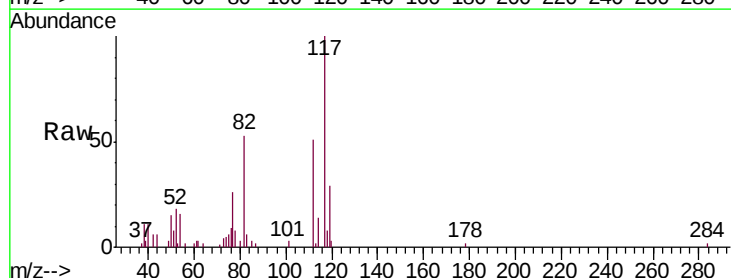
Acq: 29 Aug 2018 00:04

Tgt Ion:112 Resp: 6901

Ion Ratio Lower Upper

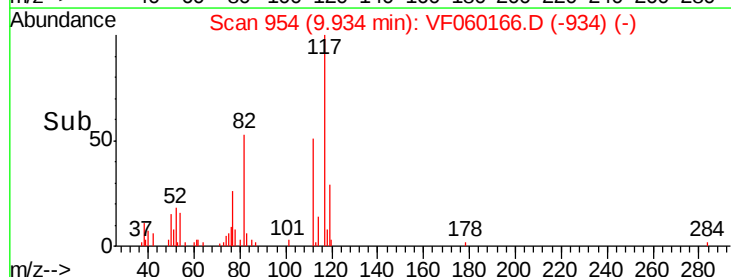
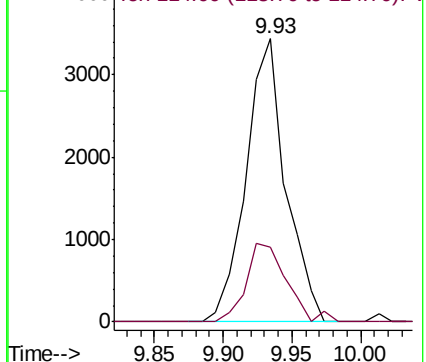
112 100

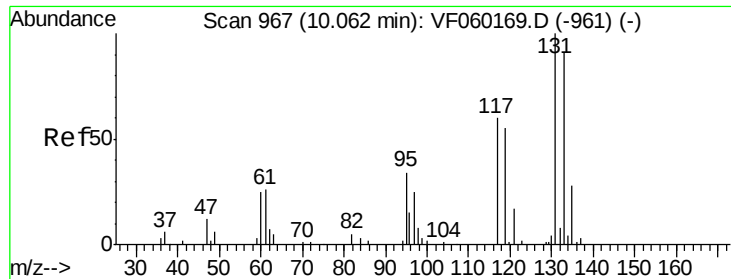
114 26.6 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 3.598 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

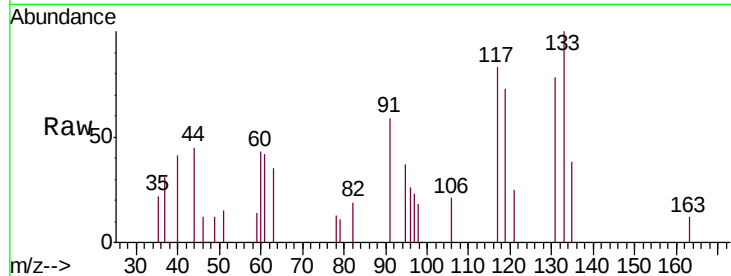
Tgt Ion:131 Resp: 1749

Ion Ratio Lower Upper

131 100

133 127.7 45.7 137.1

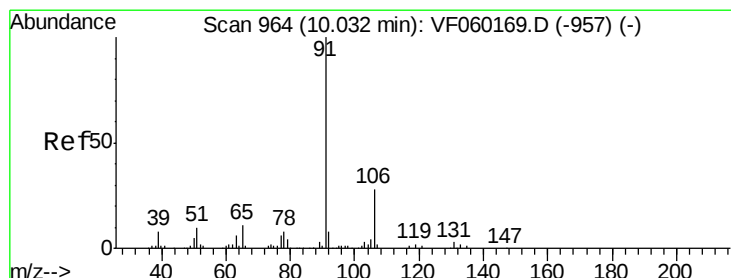
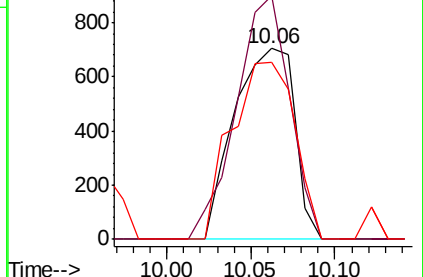
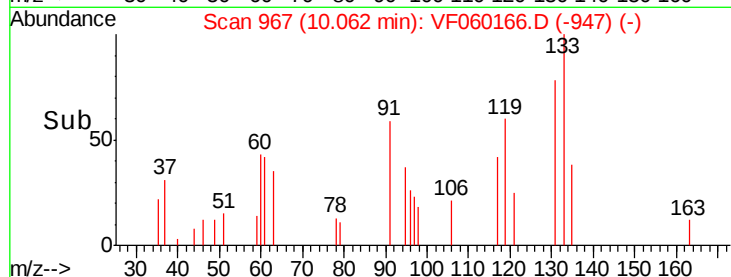
119 92.8 28.1 84.3#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 6.253 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF060166.D

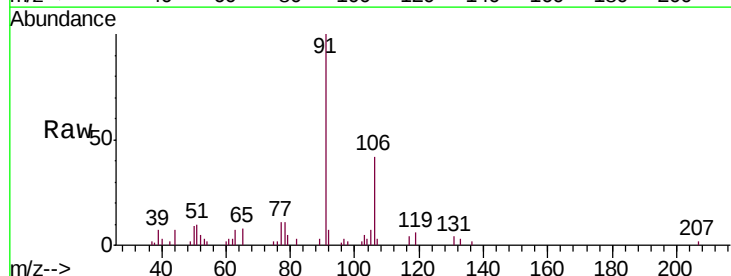
Acq: 29 Aug 2018 00:04

Tgt Ion: 91 Resp: 15048

Ion Ratio Lower Upper

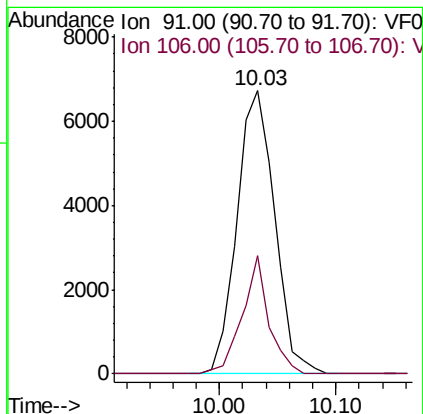
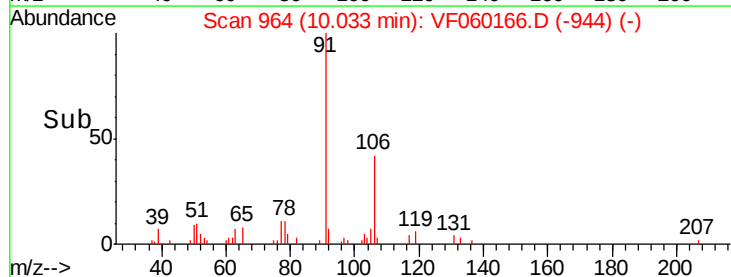
91 100

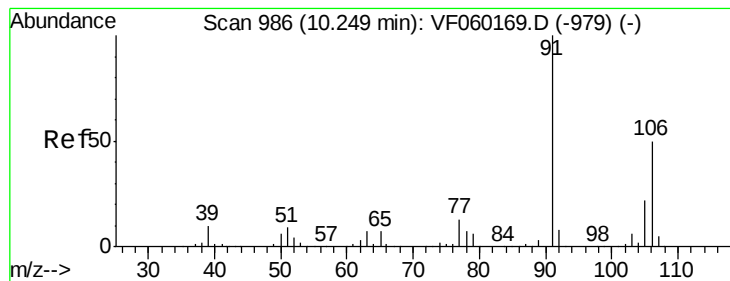
106 41.6 22.8 34.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 9.748 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

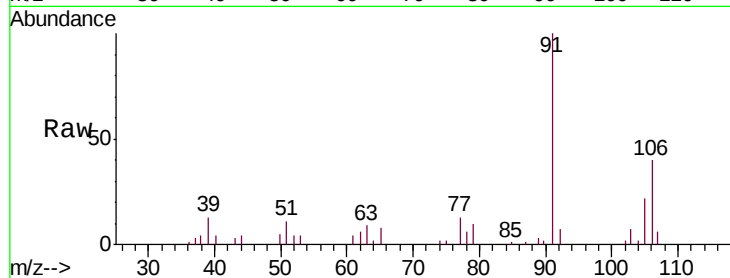
VSTDIC005

Tgt Ion:106 Resp: 8772

Ion Ratio Lower Upper

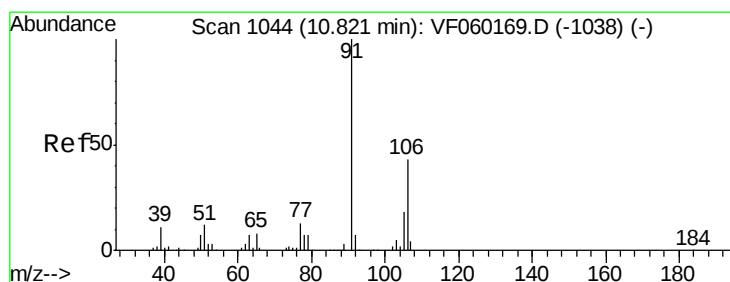
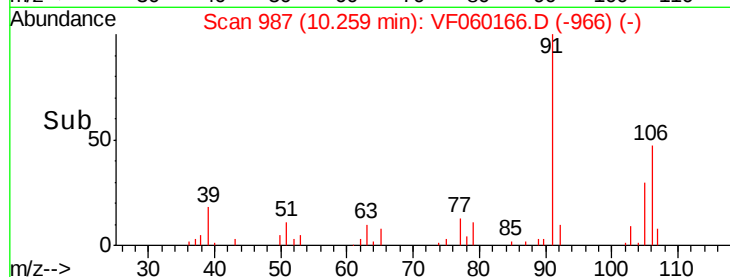
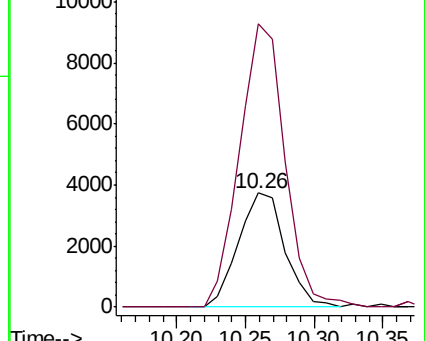
106 100

91 248.5 161.3 241.9#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 4.617 ug/l

RT: 10.82 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VF060166.D

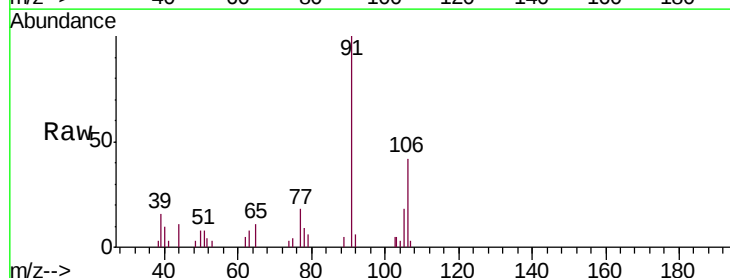
Acq: 29 Aug 2018 00:04

Tgt Ion:106 Resp: 4052

Ion Ratio Lower Upper

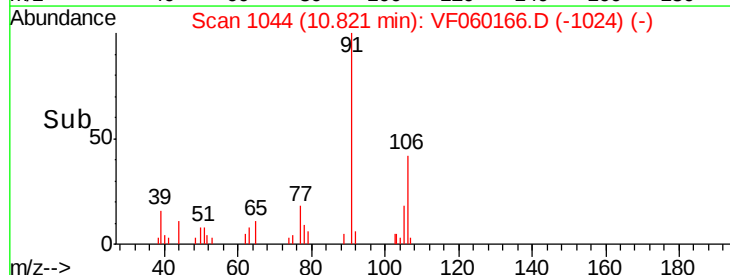
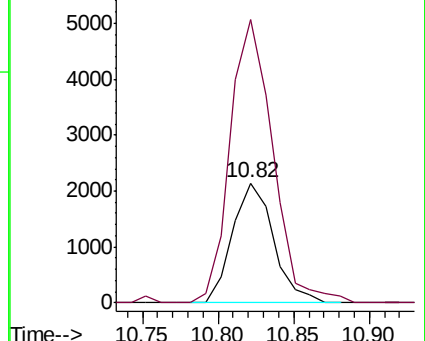
106 100

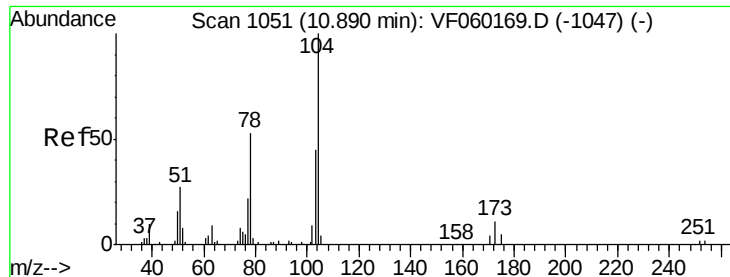
91 236.0 117.0 350.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

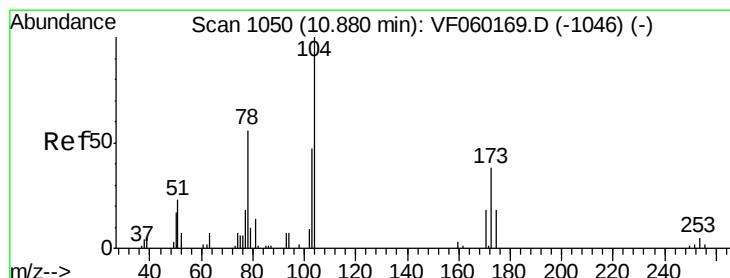
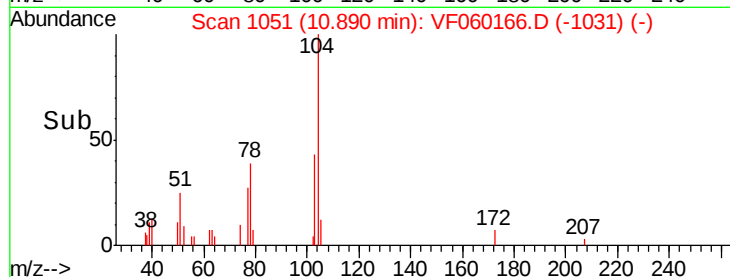
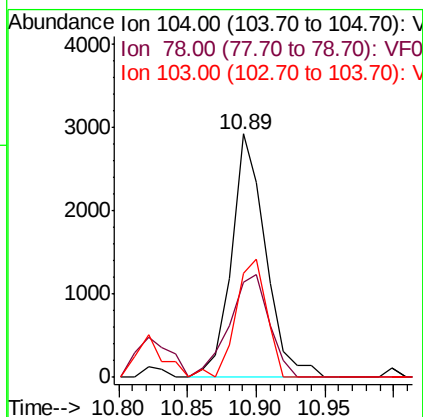
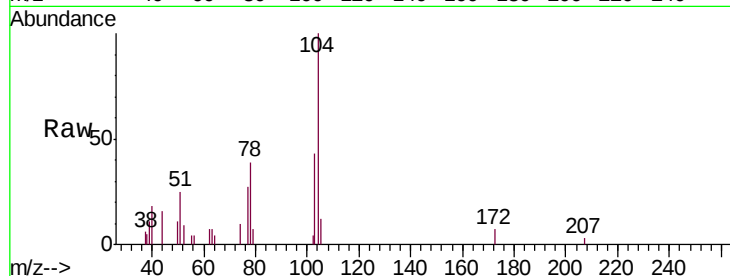




#70
Styrene
Concen: 3.860 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

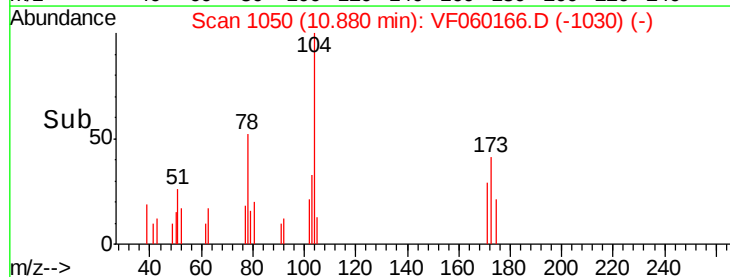
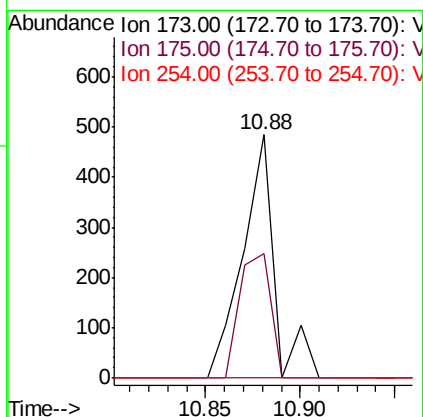
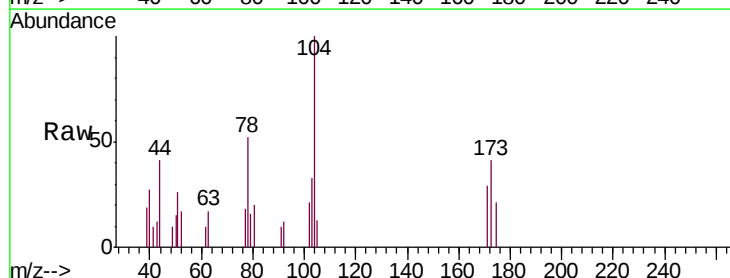
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

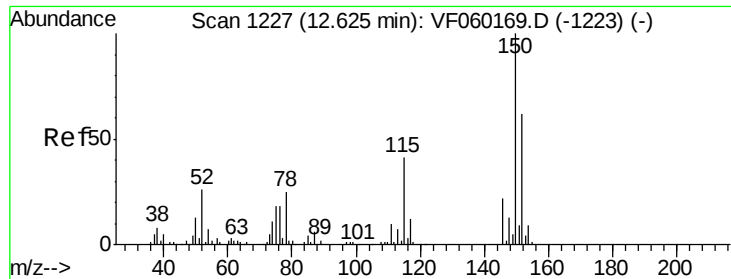
Tgt Ion:104 Resp: 5050
Ion Ratio Lower Upper
104 100
78 39.1 42.6 64.0#
103 42.7 36.8 55.2



#71
Bromoform
Concen: 1.809 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion:173 Resp: 565
Ion Ratio Lower Upper
173 100
175 50.9 23.8 71.2
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

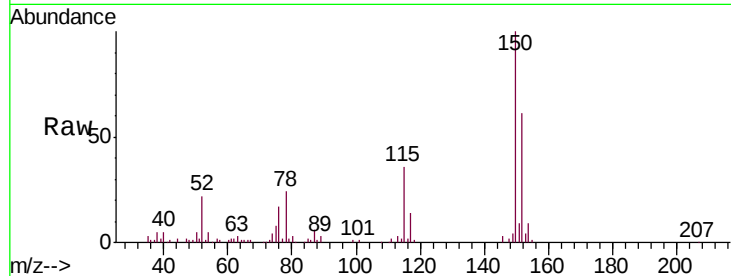
Tgt Ion:152 Resp: 34716

Ion Ratio Lower Upper

152 100

115 59.0 33.2 99.6

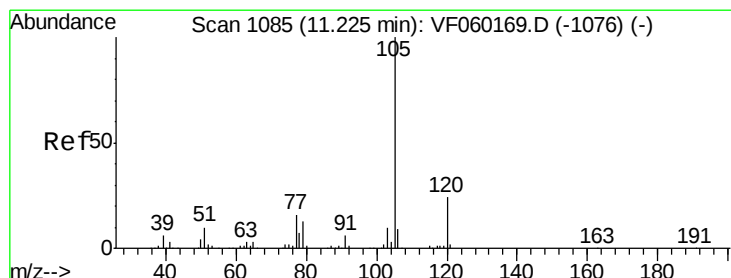
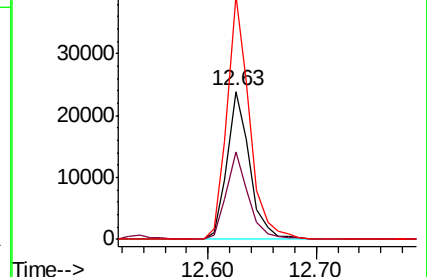
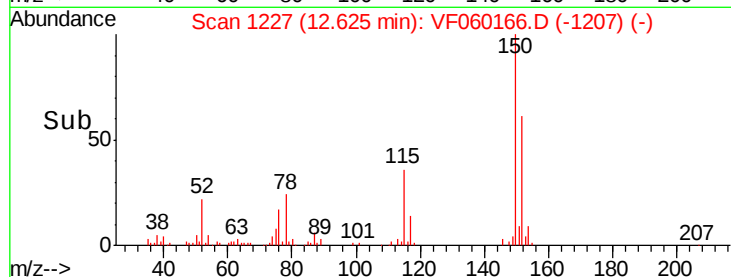
150 164.8 0.0 325.6



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 7.031 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF060166.D

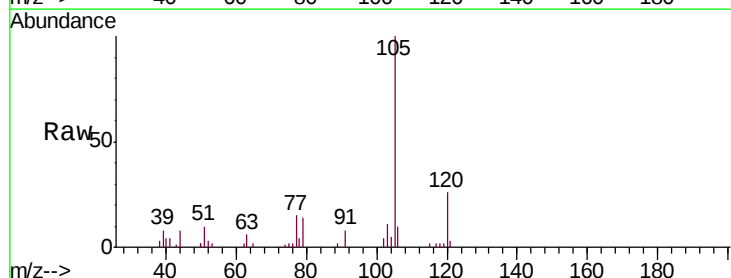
Acq: 29 Aug 2018 00:04

Tgt Ion:105 Resp: 16982

Ion Ratio Lower Upper

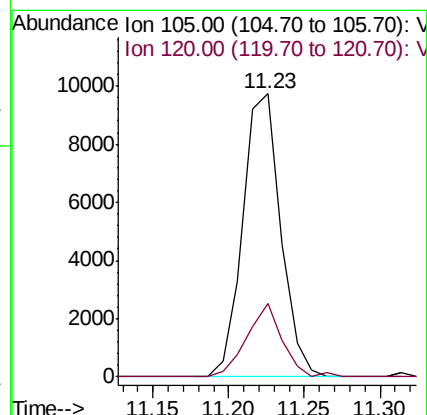
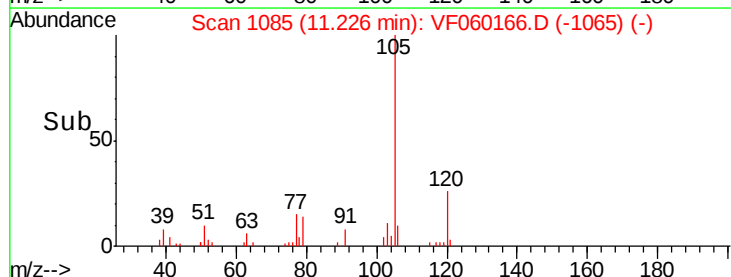
105 100

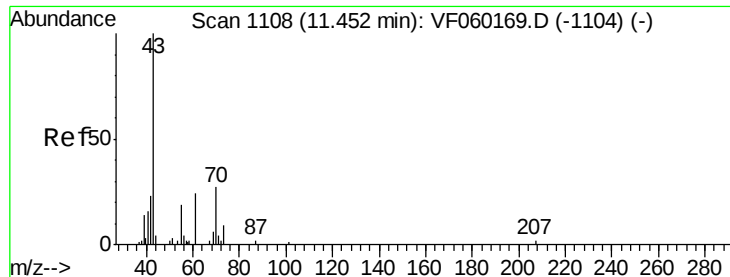
120 26.0 12.0 36.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 2.266 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1307

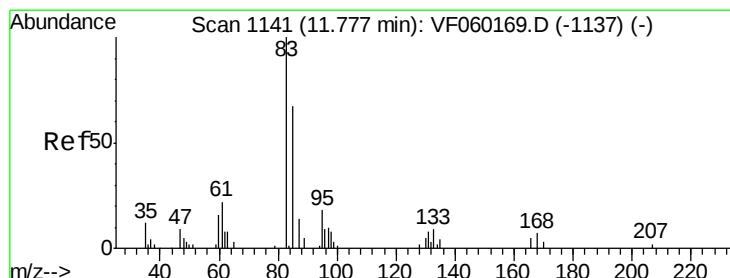
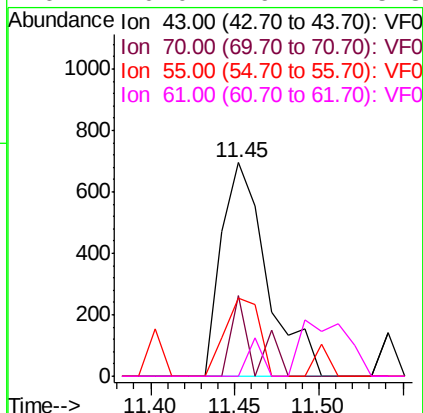
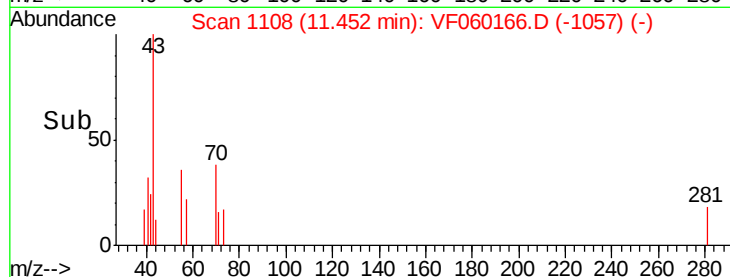
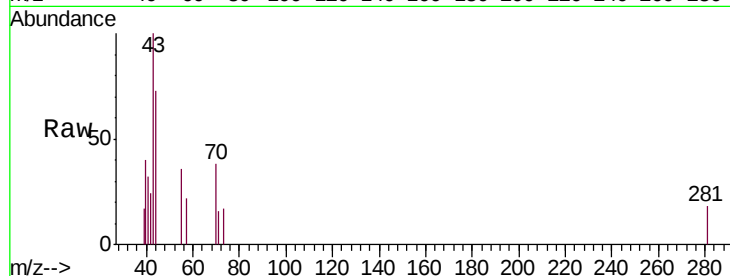
Ion Ratio Lower Upper

43 100

70 38.0 22.0 33.0#

55 36.3 15.2 22.8#

61 0.0 19.2 28.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 3.179 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

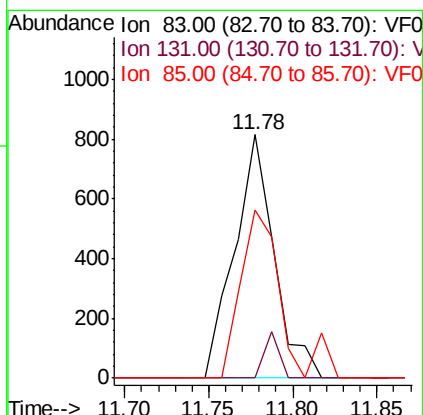
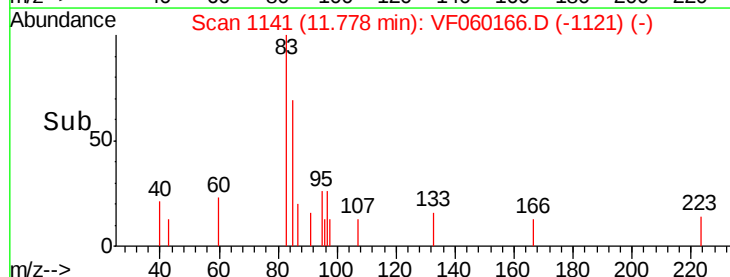
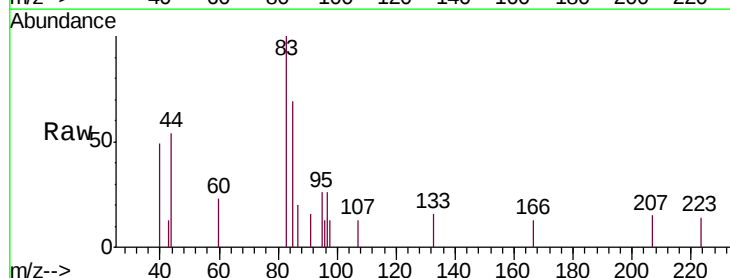
Tgt Ion: 83 Resp: 1328

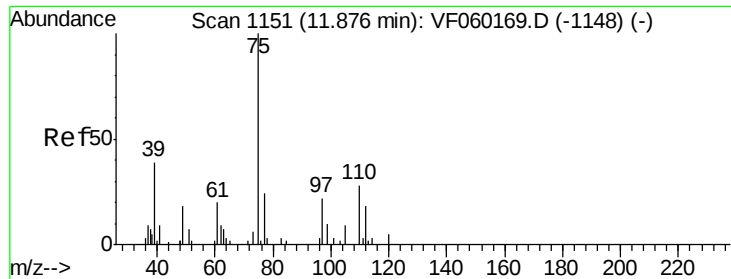
Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 69.1 34.9 104.7





#76

1,2,3-Trichloropropane

Concen: 2.997 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

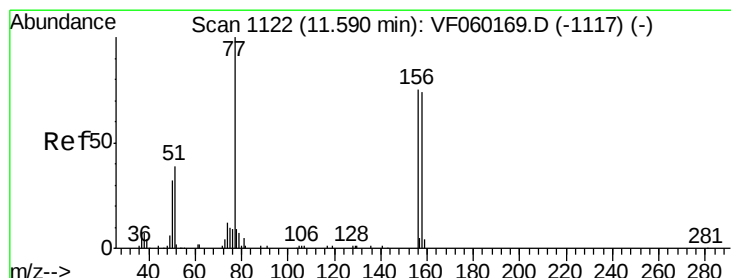
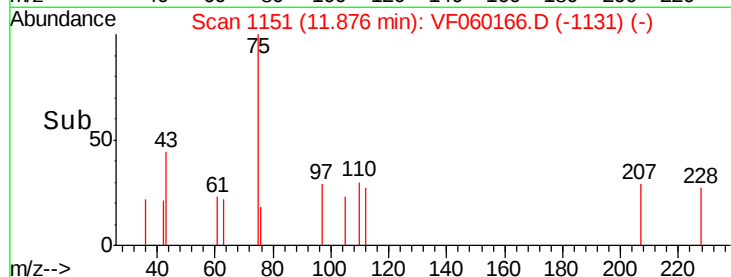
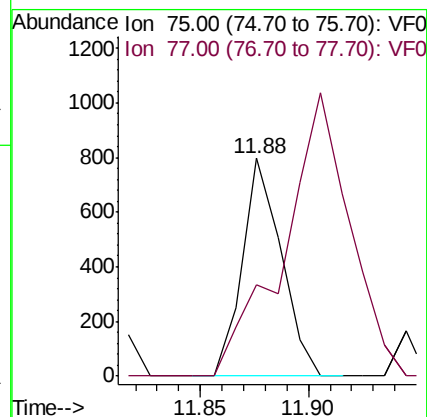
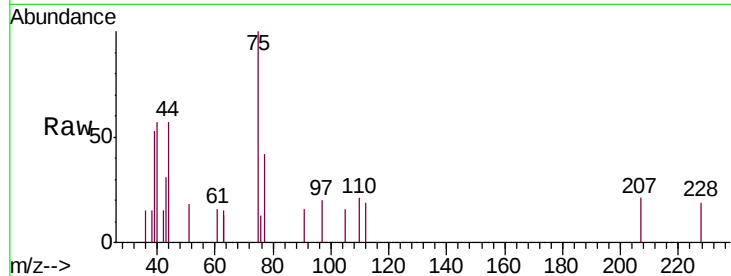
VSTDIC005

Tgt Ion: 75 Resp: 995

Ion Ratio Lower Upper

75 100

77 41.9 12.8 38.3#



#77

Bromobenzene

Concen: 4.218 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

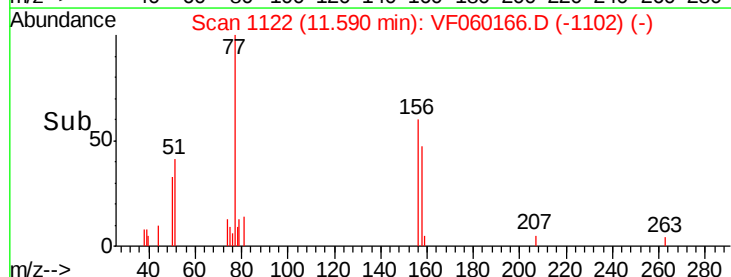
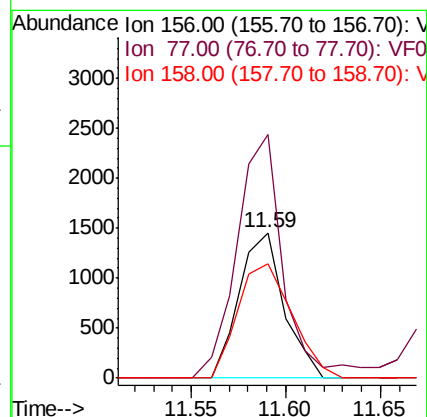
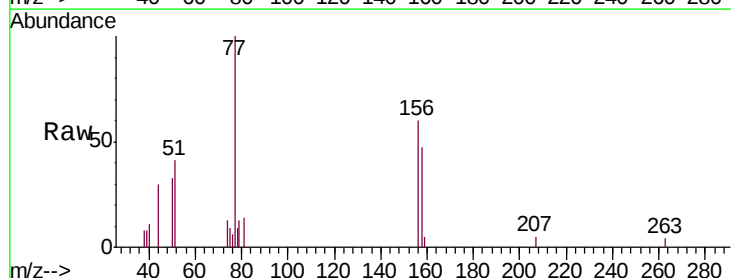
Tgt Ion: 156 Resp: 2387

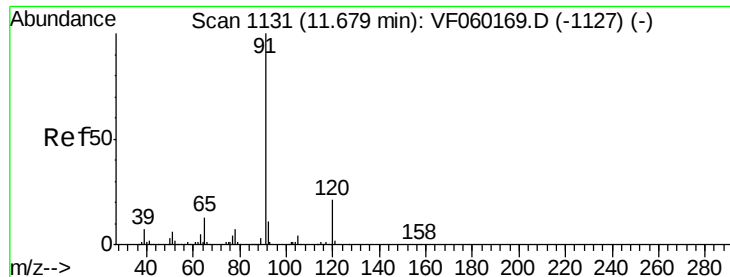
Ion Ratio Lower Upper

156 100

77 167.6 66.8 200.6

158 78.3 49.7 149.1





#78

n-propylbenzene

Concen: 7.304 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

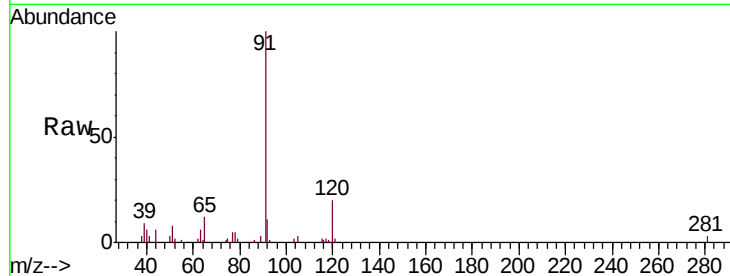
VSTDIC005

Tgt Ion: 91 Resp: 21554

Ion Ratio Lower Upper

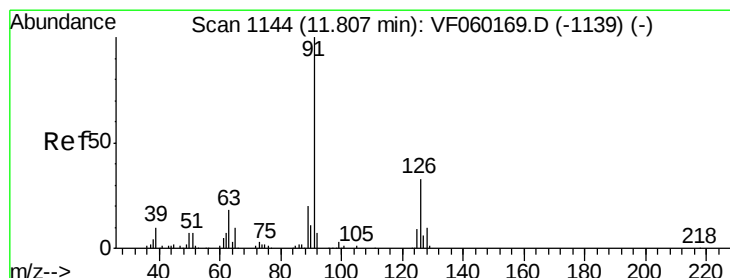
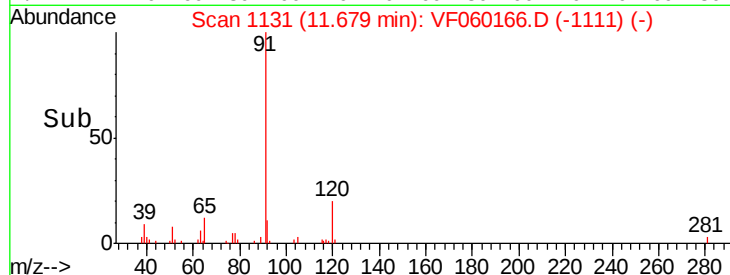
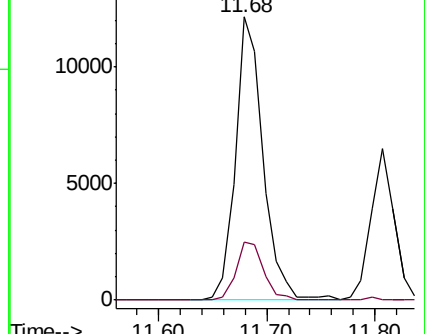
91 100

120 20.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 6.002 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060166.D

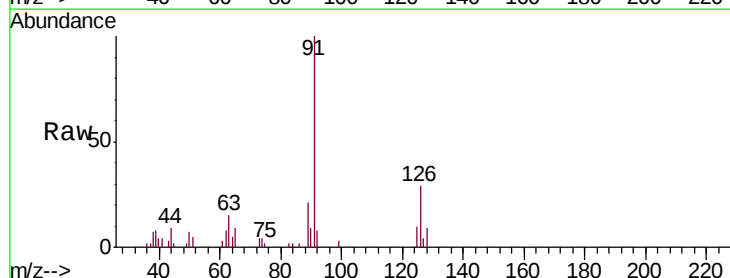
Acq: 29 Aug 2018 00:04

Tgt Ion: 91 Resp: 9798

Ion Ratio Lower Upper

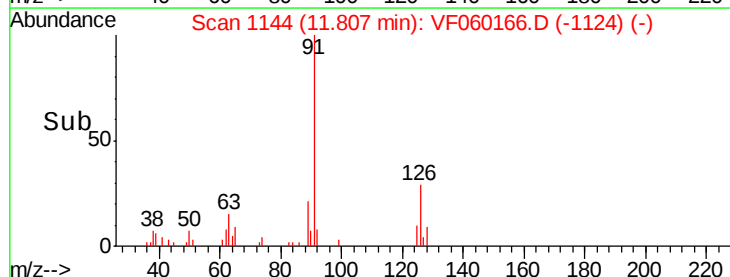
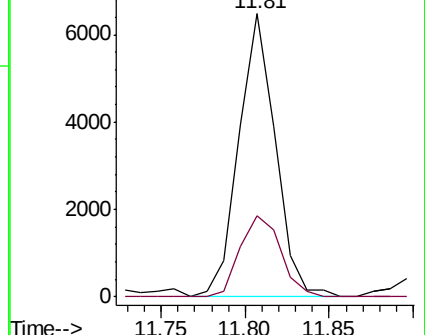
91 100

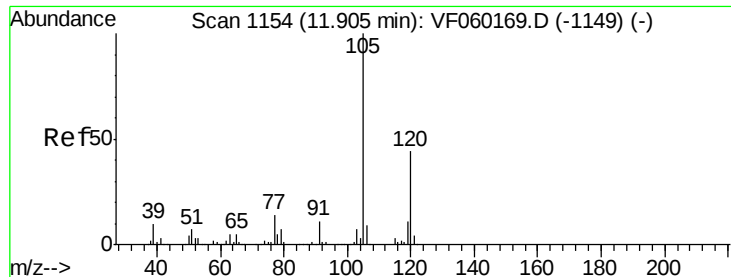
126 28.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

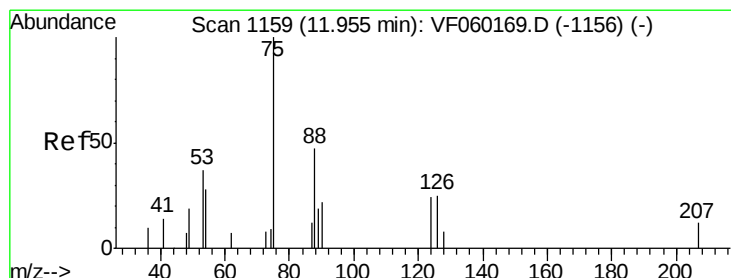
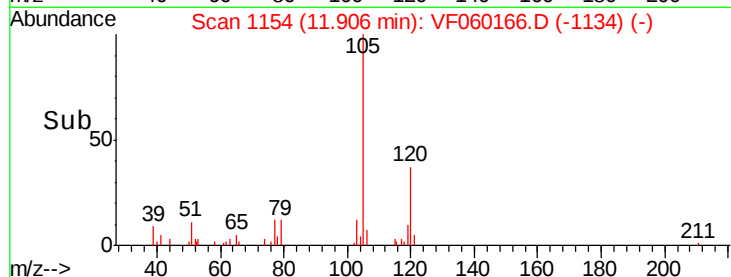
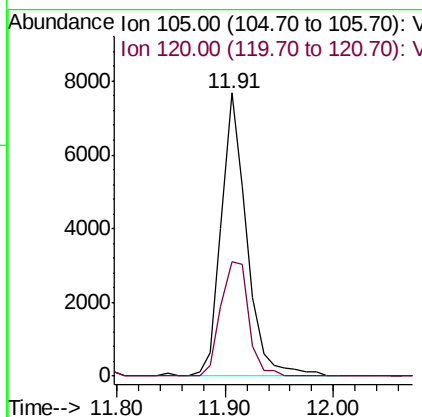
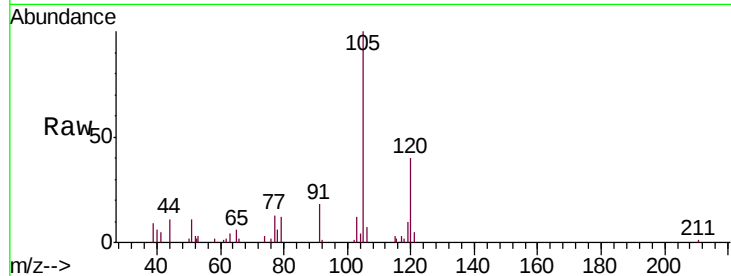




#80
 1,3,5-Trimethylbenzene
 Concen: 6.242 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

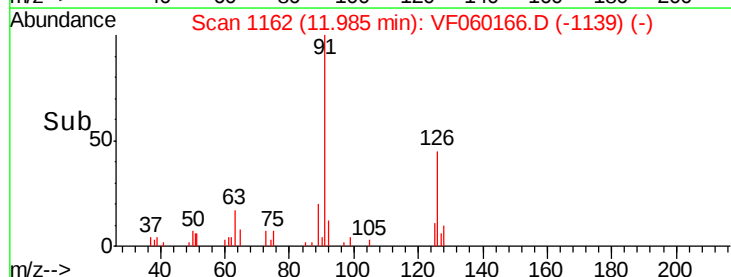
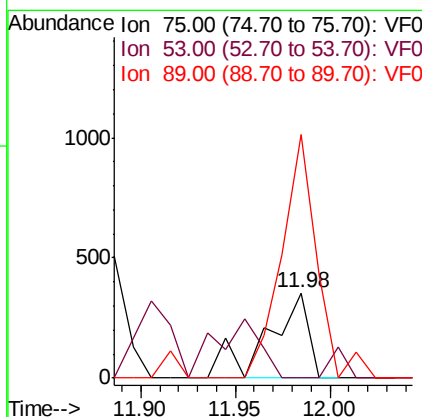
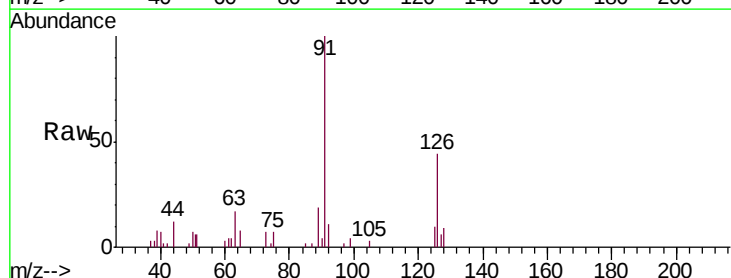
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

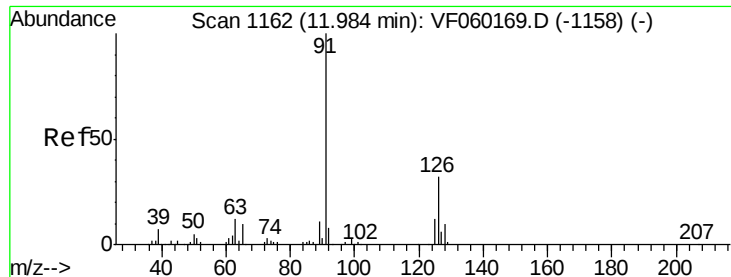
Tgt Ion:105 Resp: 12587
 Ion Ratio Lower Upper
 105 100
 120 40.4 22.1 66.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.770 ug/l
 RT: 11.98 min Scan# 1162
 Delta R.T. 0.03 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion: 75 Resp: 538
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 80.0#
 89 286.2 28.9 43.3#





#82

4-Chlorotoluene

Concen: 5.359 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

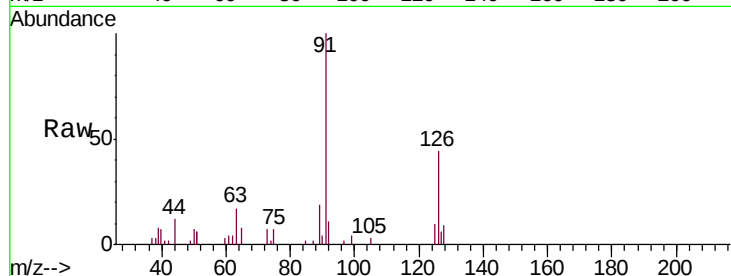
VSTDIC005

Tgt Ion: 91 Resp: 9274

Ion Ratio Lower Upper

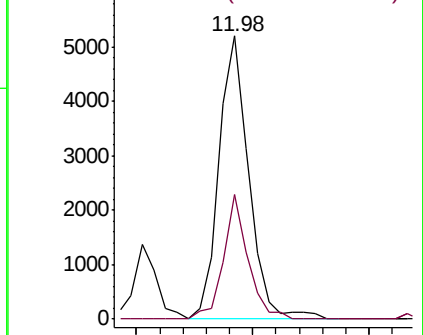
91 100

126 43.9 16.1 48.2

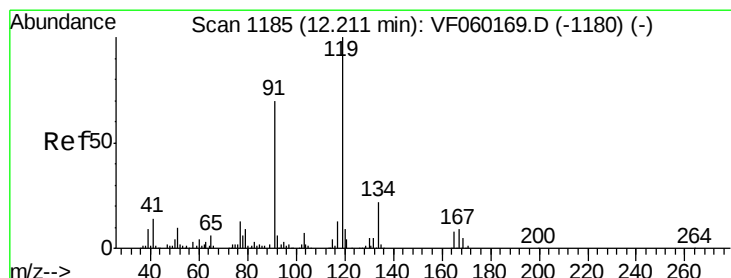
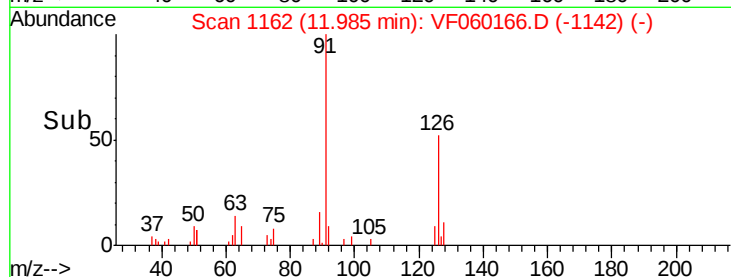


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->



#83

tert-Butylbenzene

Concen: 6.447 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

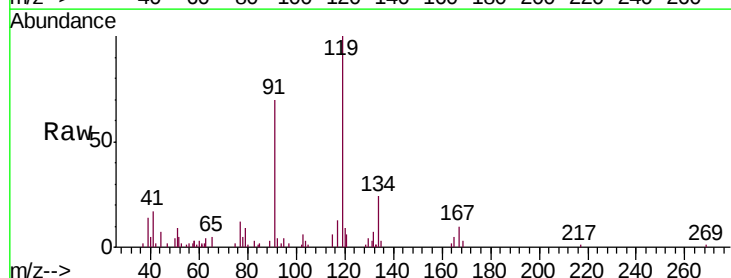
Tgt Ion: 119 Resp: 12806

Ion Ratio Lower Upper

119 100

91 69.6 35.3 105.7

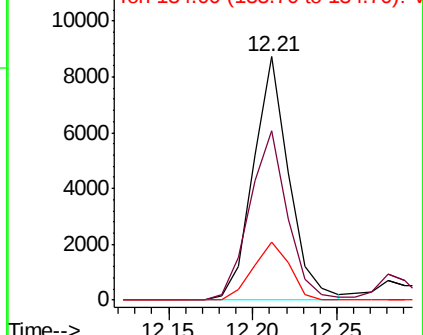
134 23.6 11.2 33.5



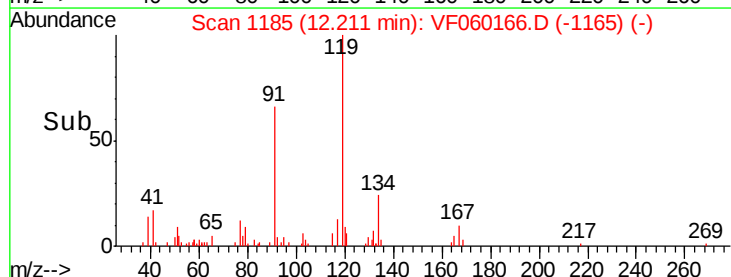
Abundance Ion 119.00 (118.70 to 119.70): V

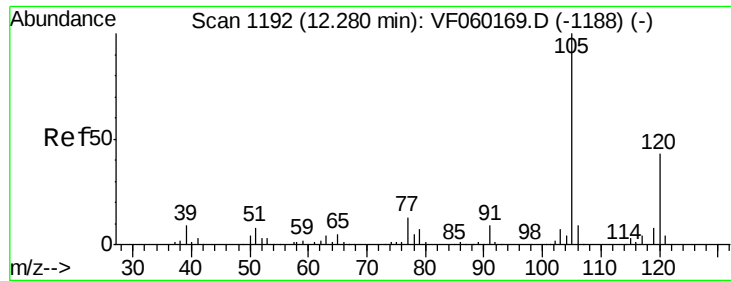
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->

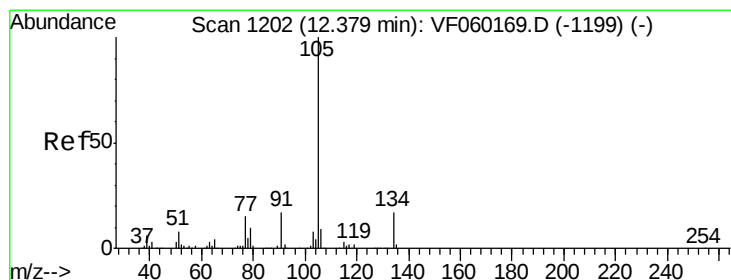
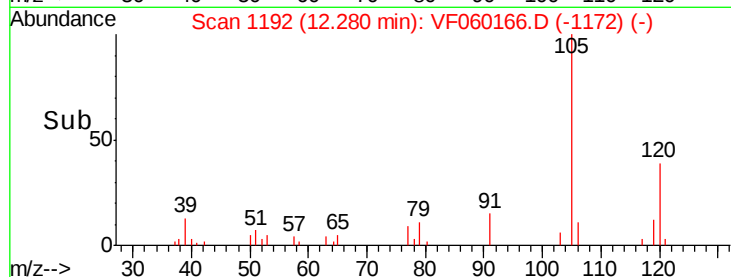
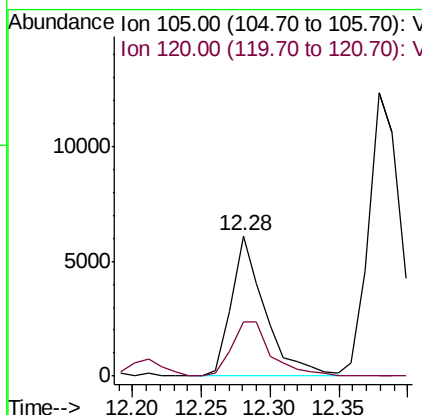
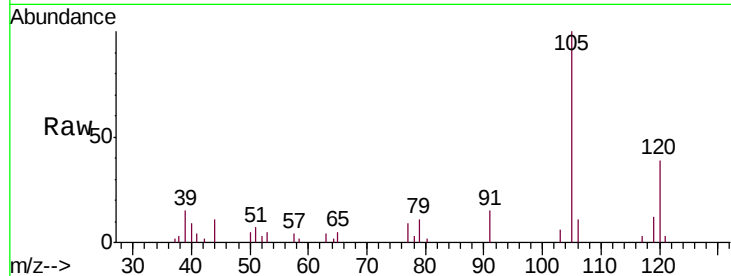




#84
 1,2,4-Trimethylbenzene
 Concen: 5.079 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

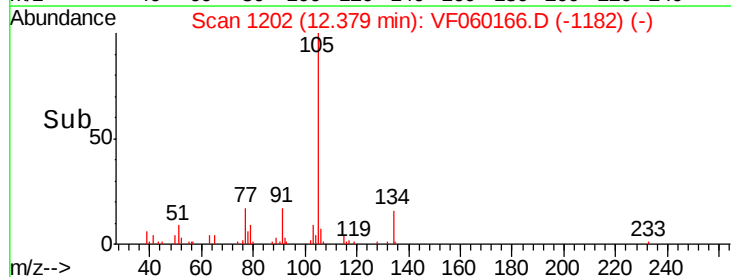
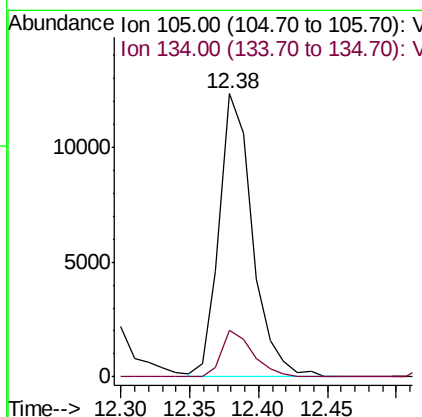
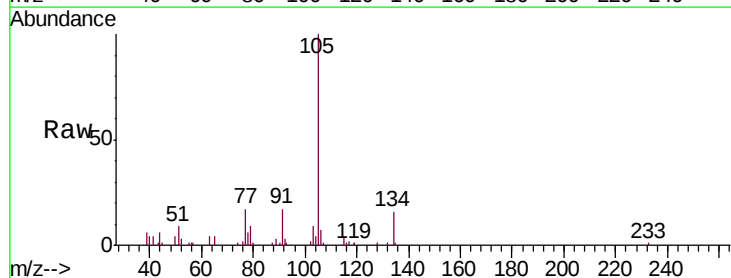
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

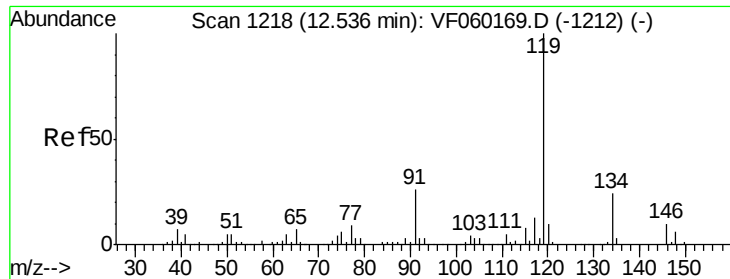
Tgt Ion:105 Resp: 10434
 Ion Ratio Lower Upper
 105 100
 120 39.2 21.9 65.7



#85
 sec-Butylbenzene
 Concen: 7.277 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion:105 Resp: 20784
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.4 25.2

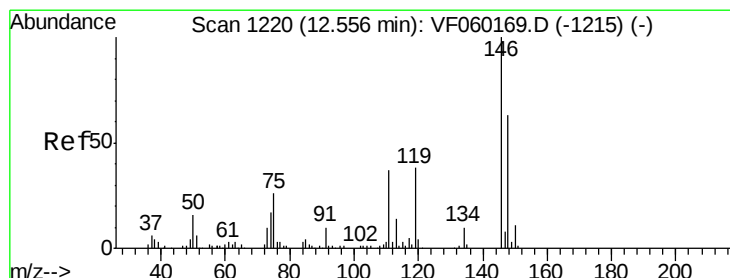
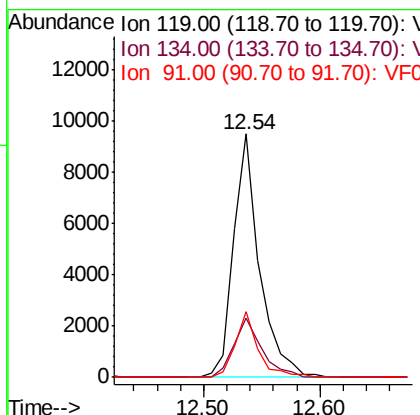
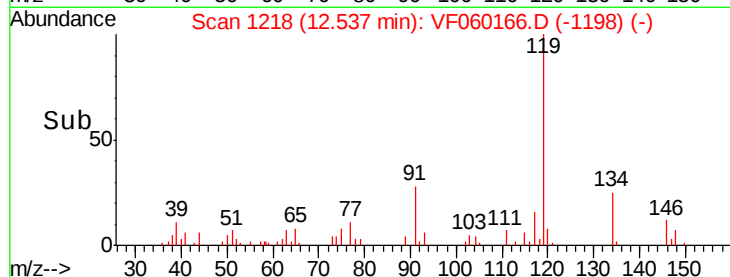
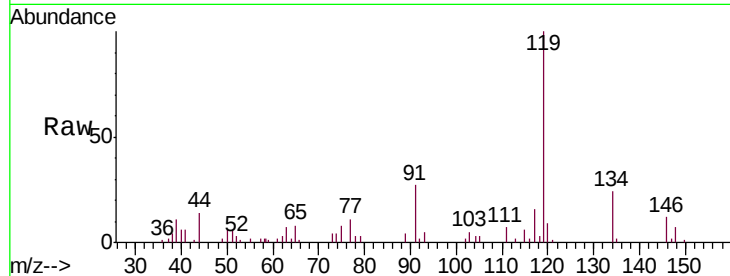




#86
p-Isopropyltoluene
Concen: 6.319 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

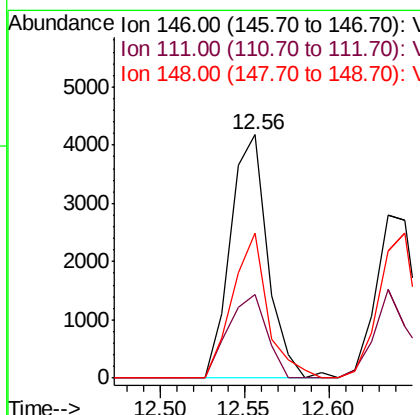
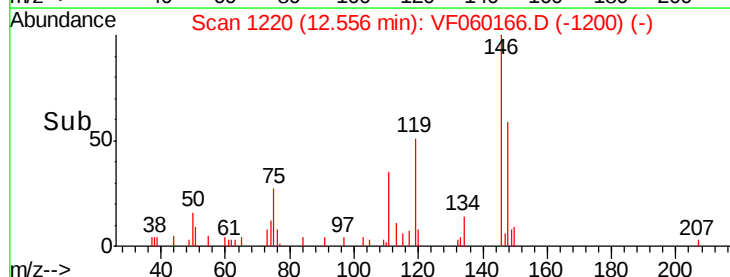
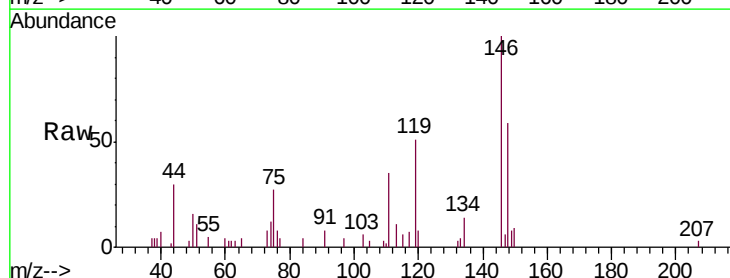
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

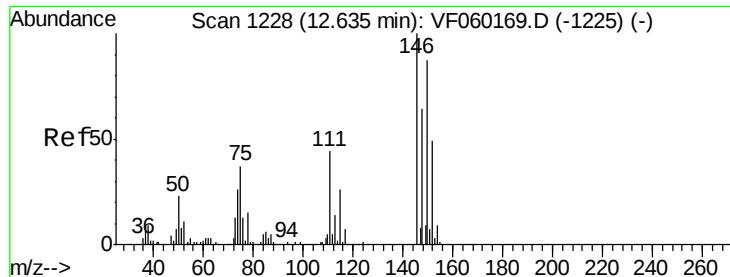
Tgt Ion:119 Resp: 14611
Ion Ratio Lower Upper
119 100
134 24.4 11.9 35.9
91 27.2 13.0 39.0



#87
1,3-Dichlorobenzene
Concen: 5.977 ug/l
RT: 12.56 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion:146 Resp: 6422
Ion Ratio Lower Upper
146 100
111 34.6 18.8 56.3
148 59.4 31.6 94.8

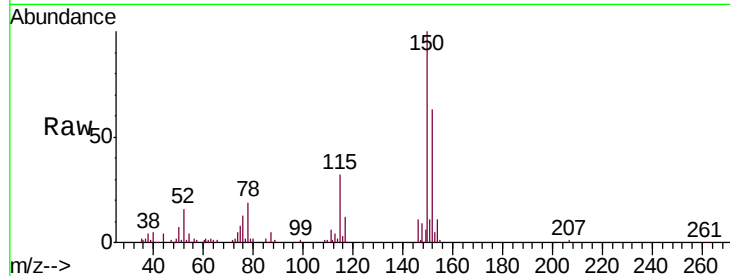




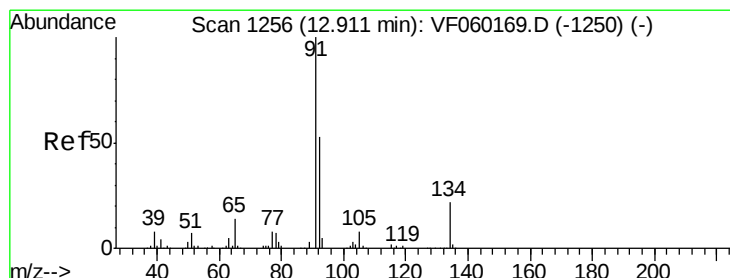
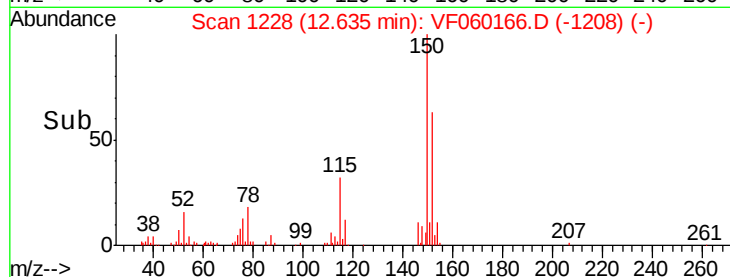
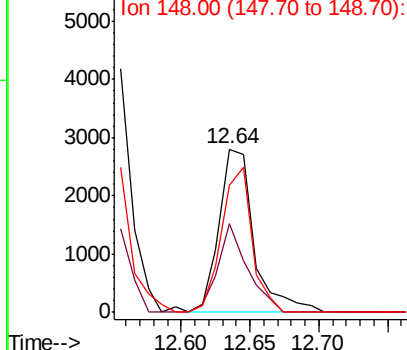
#88
 1,4-Dichlorobenzene
 Concen: 4.707 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 4951
 Ion Ratio Lower Upper
 146 100
 111 54.5 22.1 66.3
 148 77.9 32.0 96.2

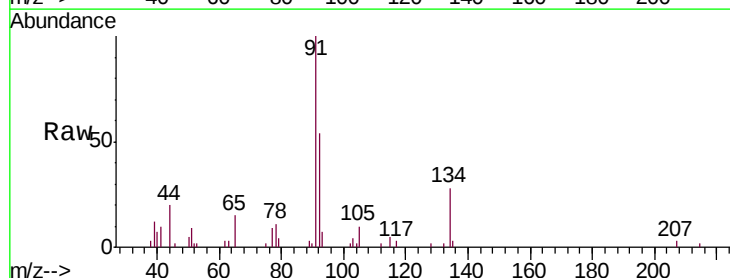


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

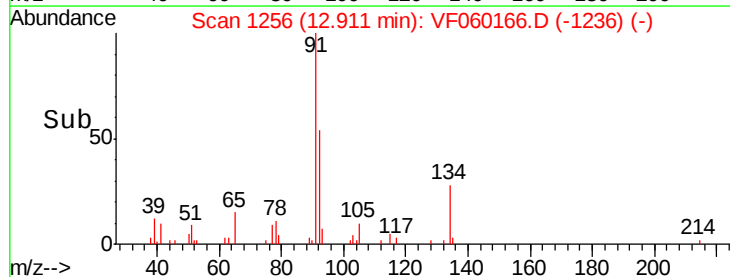
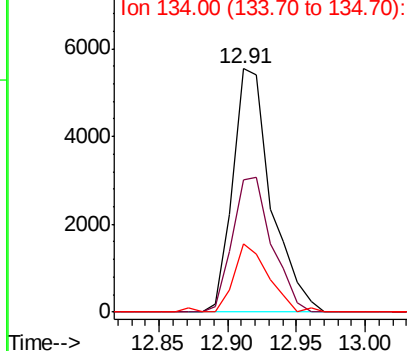


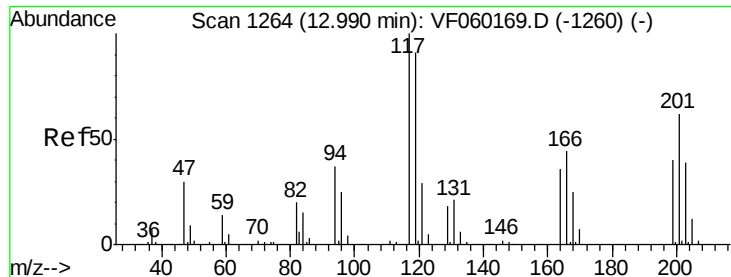
#89
 n-Butylbenzene
 Concen: 4.980 ug/l
 RT: 12.91 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion: 91 Resp: 10793
 Ion Ratio Lower Upper
 91 100
 92 54.1 26.7 80.0
 134 28.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0
 Ion 92.00 (91.70 to 92.70): VF0
 Ion 134.00 (133.70 to 134.70): V

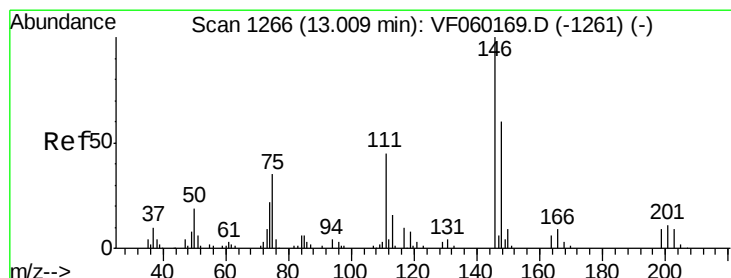
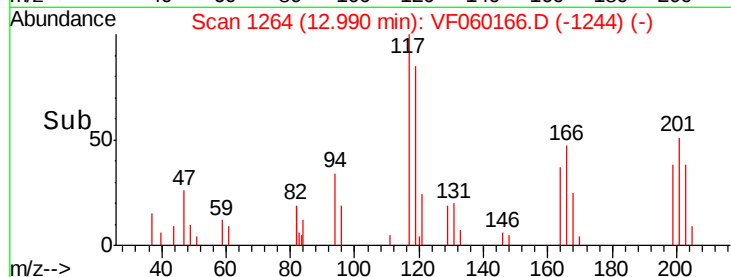
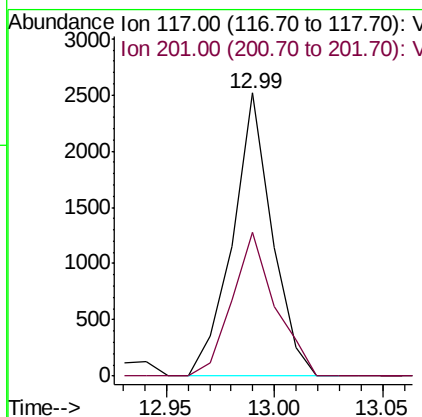
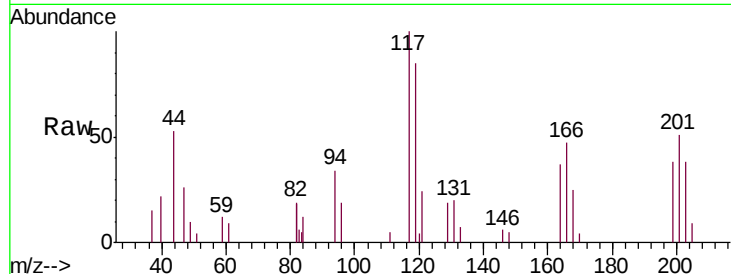




#90
Hexachloroethane
Concen: 6.275 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

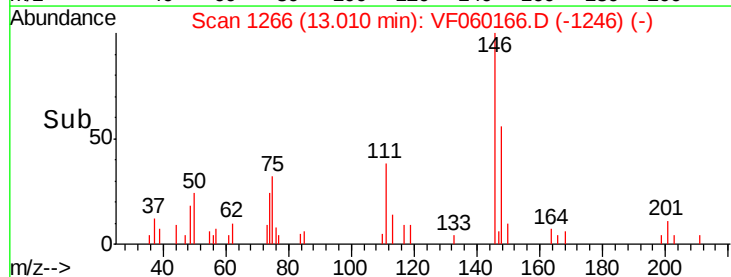
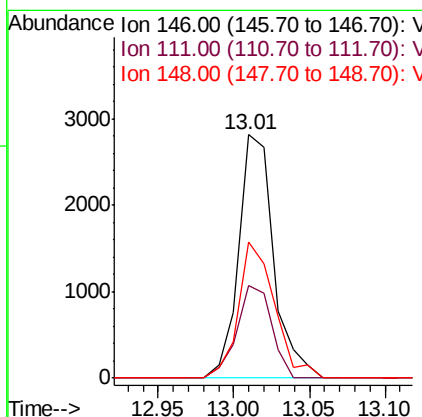
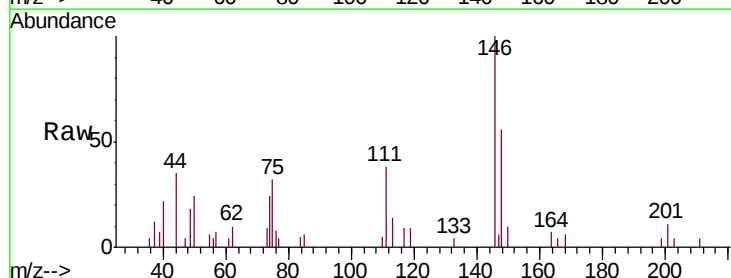
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

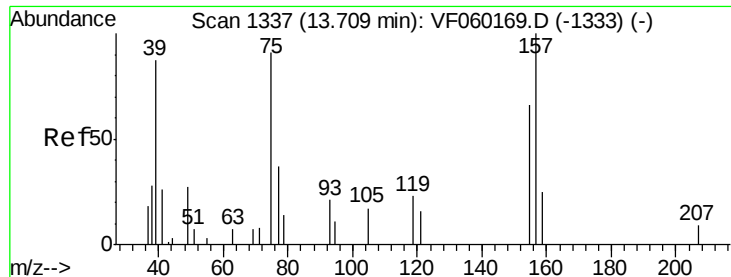
Tgt Ion:117 Resp: 3204
Ion Ratio Lower Upper
117 100
201 50.7 32.0 96.2



#91
1,2-Dichlorobenzene
Concen: 4.556 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion:146 Resp: 4530
Ion Ratio Lower Upper
146 100
111 37.8 22.7 68.1
148 56.0 30.0 90.1

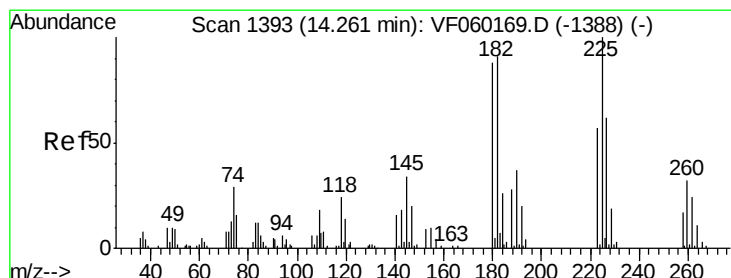
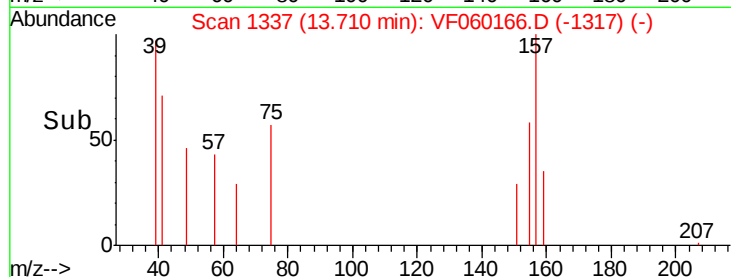
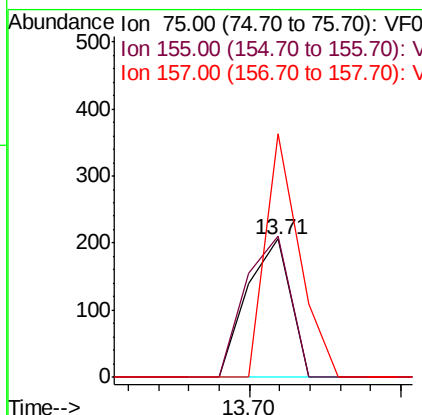
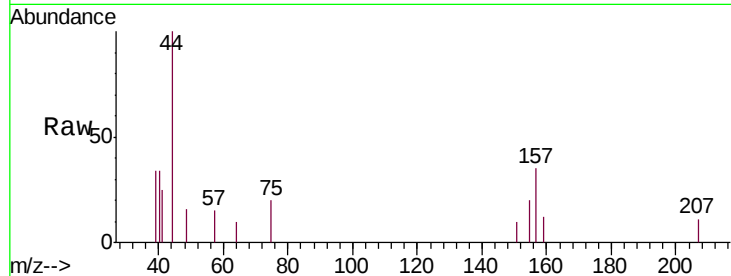




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.431 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

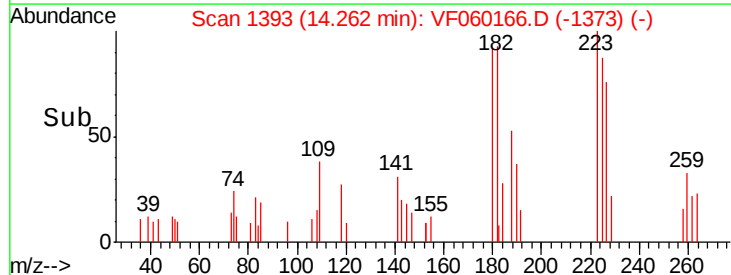
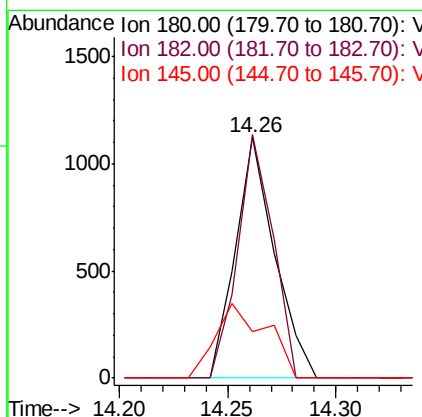
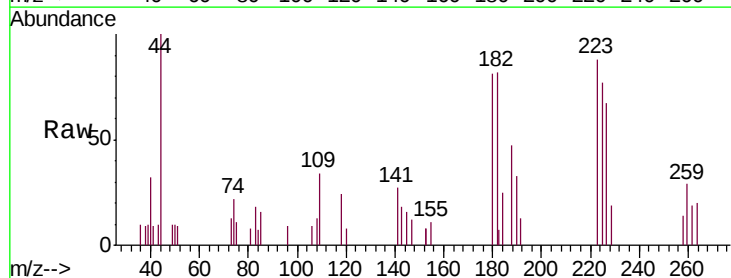
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

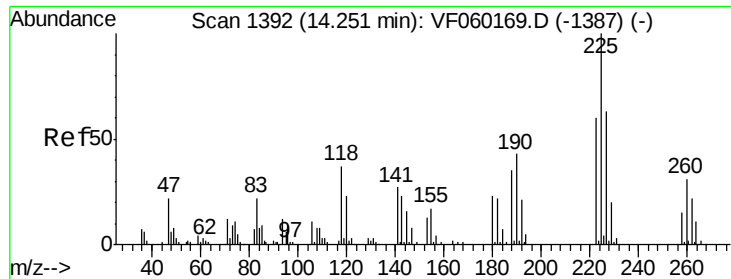
Tgt Ion: 75 Resp: 205
 Ion Ratio Lower Upper
 75 100
 155 101.9 36.0 108.0
 157 176.2 54.9 164.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.081 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion: 180 Resp: 1419
 Ion Ratio Lower Upper
 180 100
 182 101.2 51.8 155.5
 145 19.1 19.3 57.9#

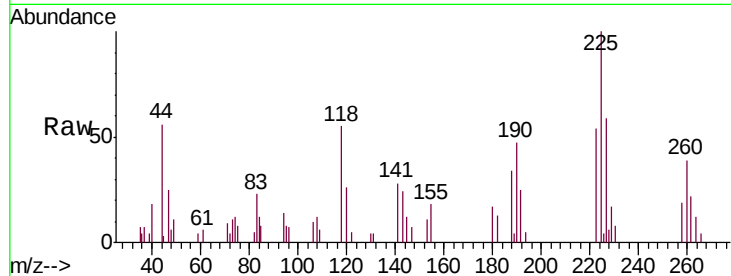




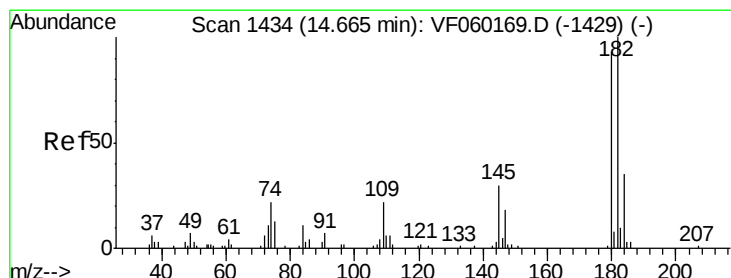
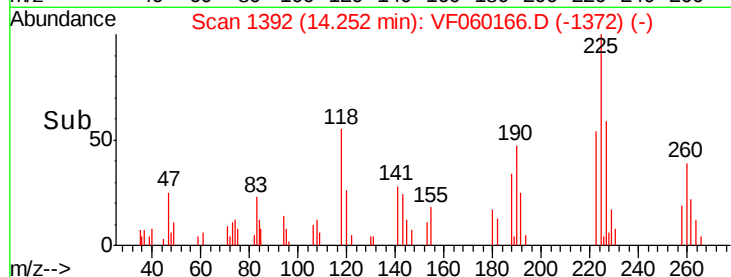
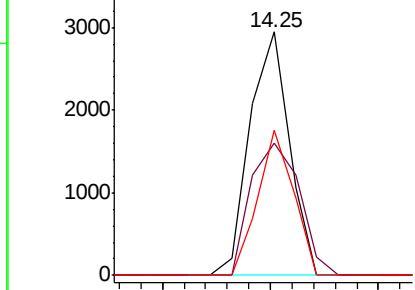
#94
Hexachlorobutadiene
Concen: 7.113 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 225 Resp: 3730
Ion Ratio Lower Upper
225 100
223 54.2 30.0 90.0
227 59.4 31.4 94.2

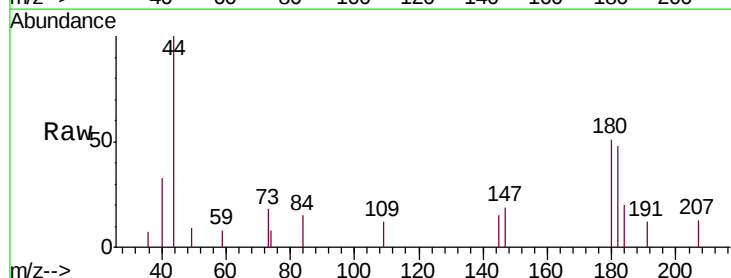


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.939 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 180 Resp: 1239
Ion Ratio Lower Upper
180 100
182 93.7 53.6 160.8
145 29.0 16.2 48.6



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

