

Data File : VF060170.D
Acq On : 29 Aug 2018 1:54
Operator : VA/AP
Sample : VSTDIC075
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Quant Time: Aug 29 02:26:21 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	73228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	79675	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	68771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	32495	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	30992	33.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.44%	
35) Dibromofluoromethane	4.27	113	35807	58.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.42%	
50) Toluene-d8	7.70	98	131131	73.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.66%	
62) 4-Bromofluorobenzene	11.51	95	47402	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	113006	105.621	ug/l	93
3) Chloromethane	1.08	50	40554	58.468	ug/l #	88
4) Vinyl Chloride	1.13	62	39626	66.564	ug/l	98
5) Bromomethane	1.32	94	18413	43.291	ug/l	99
6) Chloroethane	1.40	64	24980	98.047	ug/l #	80
7) Trichlorofluoromethane	1.49	101	191273	134.482	ug/l	91
8) Diethyl Ether	1.69	74	6494	33.408	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.86	101	84739	118.300	ug/l	94
10) Methyl Iodide	1.93	142	36841	47.523	ug/l	95
11) Tert butyl alcohol	2.61	59	3630	79.623	ug/l #	64
12) 1,1-Dichloroethene	1.83	96	49551	98.171	ug/l	89
13) Acrolein	2.07	56	3156	136.910	ug/l #	78
14) Allyl chloride	2.18	41	45303	57.369	ug/l	86
15) Acrylonitrile	3.05	53	7726	83.631	ug/l	98
16) Acetone	2.31	43	18971	83.140	ug/l	94
17) Carbon Disulfide	1.85	76	154074	96.691	ug/l	100
18) Methyl Acetate	2.43	43	7303	16.286	ug/l	98
19) Methyl tert-butyl Ether	2.51	73	40395	30.583	ug/l	96
20) Methylene Chloride	2.28	84	25656	44.097	ug/l	85
21) trans-1,2-Dichloroethene	2.41	96	43143	79.573	ug/l	87
22) Diisopropyl ether	2.89	45	75505	44.539	ug/l #	97
23) Vinyl Acetate	3.30	43	100460	118.912	ug/l	99
24) 1,1-Dichloroethane	2.99	63	74516	66.539	ug/l #	99
25) 2-Butanone	4.47	43	19775	67.137	ug/l	97
26) 2,2-Dichloropropane	3.74	77	57452	51.695	ug/l	96
27) cis-1,2-Dichloroethene	3.61	96	30825	44.936	ug/l	92
28) Bromochloromethane	3.88	49	14570	33.204	ug/l	84
29) Tetrahydrofuran	4.22	42	10450	92.975	ug/l #	86
30) Chloroform	4.01	83	78344	51.493	ug/l	97
31) Cyclohexane	3.85	56	76304	84.406	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	126755	89.483	ug/l	93
36) 1,1-Dichloropropene	4.45	75	79669	99.015	ug/l	89
37) Ethyl Acetate	4.25	43	10904	27.540	ug/l	90
38) Carbon Tetrachloride	4.16	117	120942	122.234	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	90672	115.417	ug/l	92
40) Benzene	4.80	78	116377	71.990	ug/l	94
41) Methacrylonitrile	4.89	41	5636	27.831	ug/l #	79
42) 1,2-Dichloroethane	5.10	62	39199	47.890	ug/l	98
43) Isopropyl Acetate	7.09	43	13238	26.829	ug/l #	92
44) Trichloroethene	5.66	130	51523	91.734	ug/l	90
45) 1,2-Dichloropropane	6.38	63	23914	54.815	ug/l	95
46) Dibromomethane	6.24	93	12714	38.492	ug/l	94
47) Bromodichloromethane	6.53	83	48272	58.112	ug/l	93
48) Methyl methacrylate	6.85	41	9485	28.793	ug/l #	79
49) 1,4-Dioxane	6.84	88	1306	418.794	ug/l #	84
51) 4-Methyl-2-Pentanone	8.39	43	56235	130.929	ug/l #	86
52) Toluene	7.77	92	91891	76.464	ug/l	94
53) t-1,3-Dichloropropene	8.41	75	29284	40.396	ug/l #	85
54) cis-1,3-Dichloropropene	7.44	75	37246	46.145	ug/l	87
55) 1,1,2-Trichloroethane	8.63	97	14794	37.349	ug/l	93
56) Ethyl methacrylate	8.75	69	13314	28.393	ug/l	87
57) 1,3-Dichloropropane	8.99	76	25893	37.197	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	18382	417.719	ug/l	100
59) 2-Hexanone	9.61	43	43051	124.661	ug/l	86
60) Dibromochloromethane	8.85	129	26877	45.048	ug/l	84
61) 1,2-Dibromoethane	9.13	107	15359	33.101	ug/l	83
64) Tetrachloroethene	8.29	164	67782	127.653	ug/l	96
65) Chlorobenzene	9.93	112	104772	79.689	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	35390	71.755	ug/l	94
67) Ethyl Benzene	10.03	91	239750	98.185	ug/l	95
68) m/p-Xylenes	10.26	106	160232	175.476	ug/l	83
69) o-Xylene	10.83	106	71341	80.107	ug/l	99
70) Styrene	10.89	104	88320	66.529	ug/l	98
71) Bromoform	10.88	173	12401	39.141	ug/l	95
73) Isopropylbenzene	11.22	105	294907	130.453	ug/l	99
74) N-amyl acetate	11.46	43	19735	36.555	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	17848	45.641	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	16937	54.496	ug/l	90
77) Bromobenzene	11.59	156	39980	75.475	ug/l	95
78) n-propylbenzene	11.68	91	341243	123.542	ug/l	99
79) 2-Chlorotoluene	11.81	91	156526	102.436	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	221951	117.584	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	4630	34.660	ug/l #	85
82) 4-Chlorotoluene	11.99	91	151769	93.701	ug/l	97
83) tert-Butylbenzene	12.21	119	231834	124.684	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	190518	99.085	ug/l	97
85) sec-Butylbenzene	12.38	105	340529	127.372	ug/l	97
86) p-Isopropyltoluene	12.53	119	264626	122.260	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	87216	86.723	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	75941	77.136	ug/l	98
89) n-Butylbenzene	12.92	91	227175	111.995	ug/l	95
90) Hexachloroethane	12.99	117	57164	119.599	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	66609	71.577	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3088	39.117	ug/l	81

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

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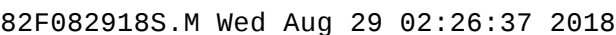
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

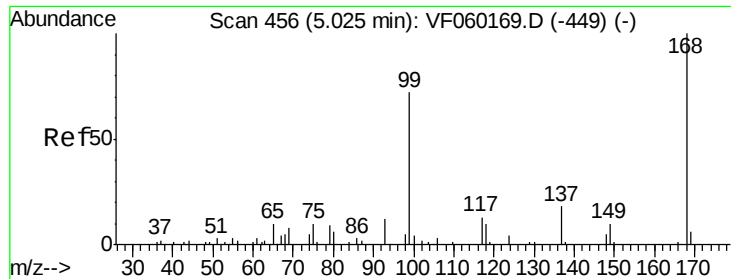
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	30810	48.270	ug/l	94
94) Hexachlorobutadiene	14.25	225	60555	123.373	ug/l	97
95) Naphthalene	14.52	128	23157	25.578	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.66	180	25122	42.007	ug/l	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

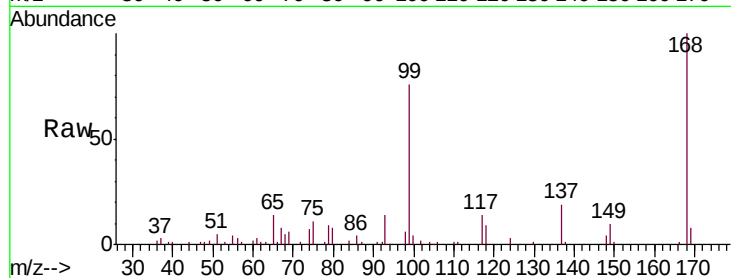
VSTDIC075

Tgt Ion:168 Resp: 73228

Ion Ratio Lower Upper

168 100

99 76.1 57.9 86.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

25000

20000

15000

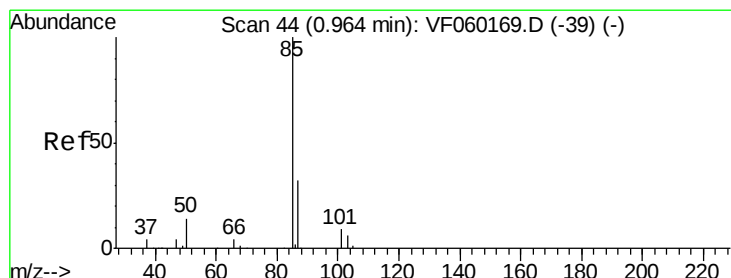
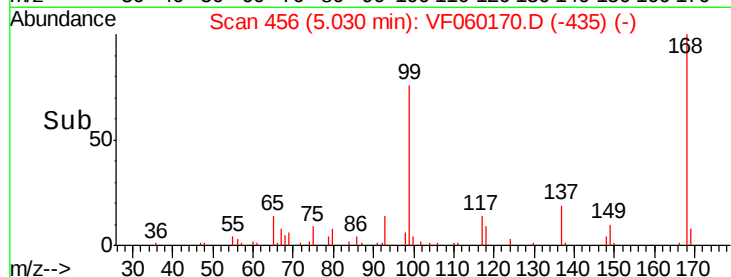
10000

5000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 105.621 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060170.D

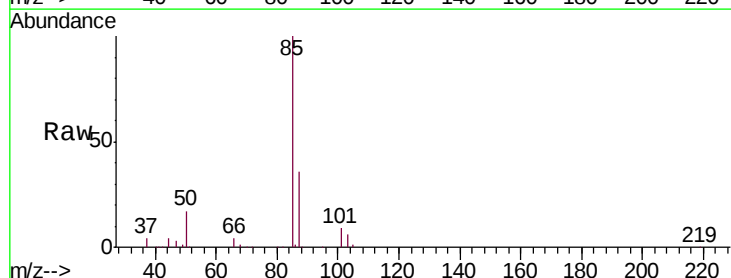
Acq: 29 Aug 2018 1:54

Tgt Ion: 85 Resp: 113006

Ion Ratio Lower Upper

85 100

87 35.8 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

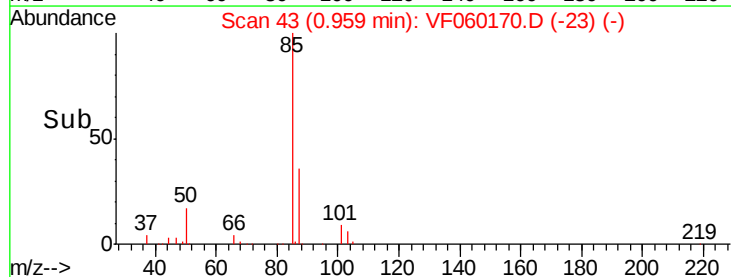
40000

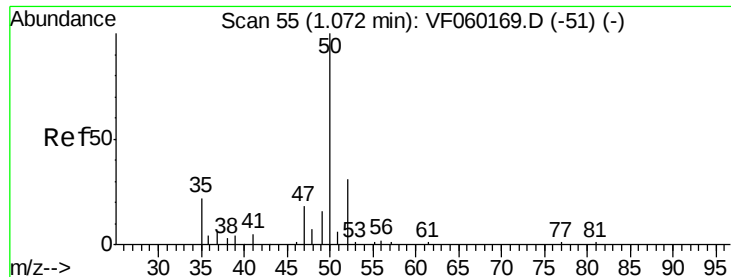
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 58.468 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

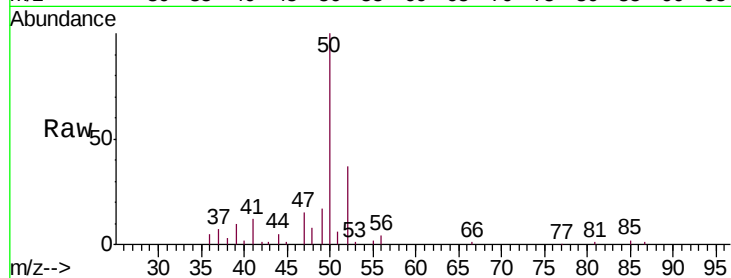
VSTDIC075

Tgt Ion: 50 Resp: 40554

Ion Ratio Lower Upper

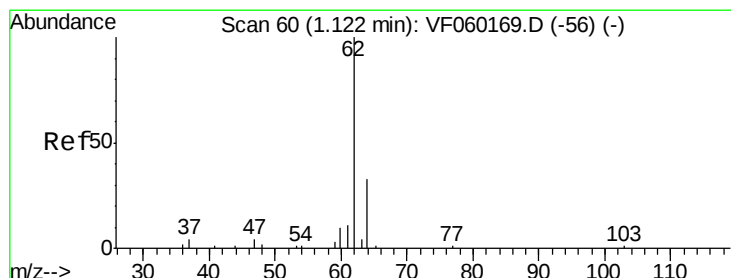
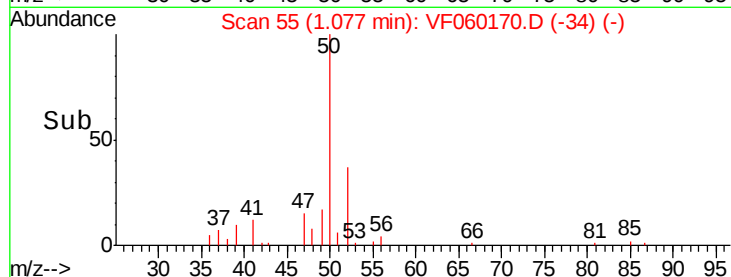
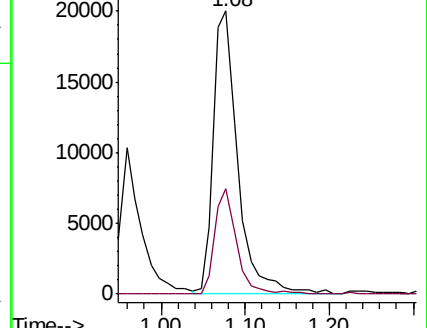
50 100

52 37.2 24.4 36.6#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 66.564 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060170.D

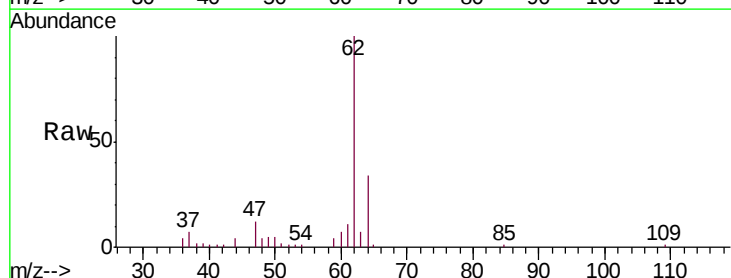
Acq: 29 Aug 2018 1:54

Tgt Ion: 62 Resp: 39626

Ion Ratio Lower Upper

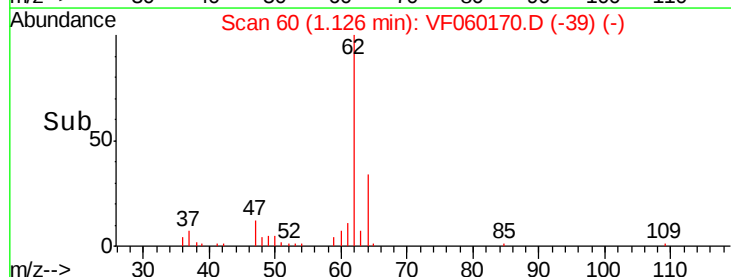
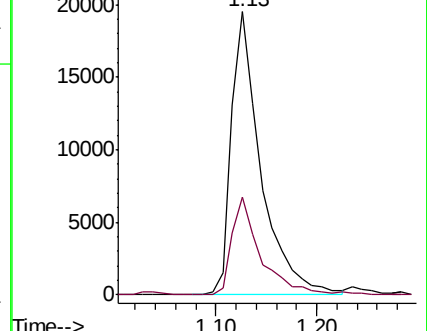
62 100

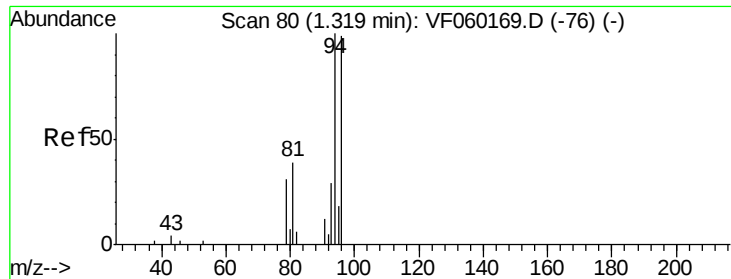
64 34.5 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 43.291 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

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ClientSampleId :

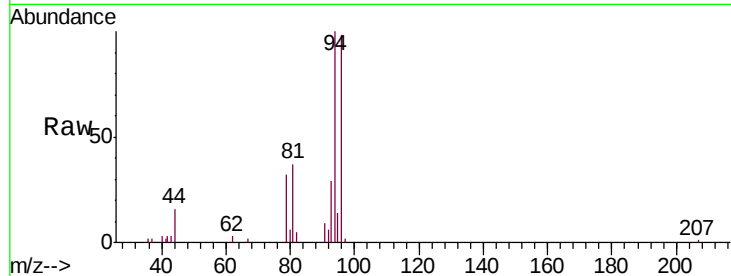
VSTDIC075

Tgt Ion: 94 Resp: 18413

Ion Ratio Lower Upper

94 100

96 98.1 79.0 118.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

10000

8000

6000

4000

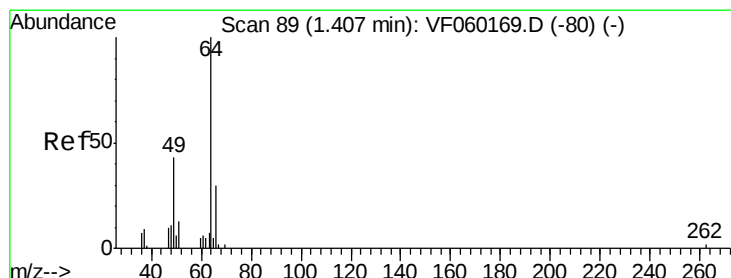
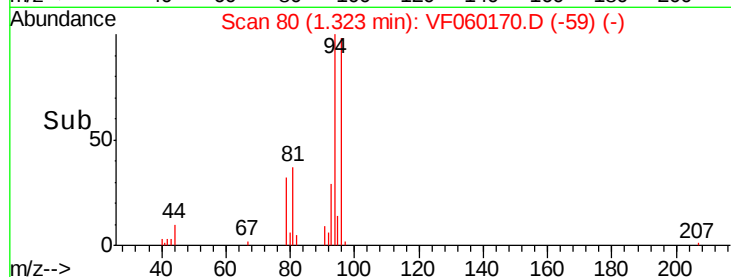
2000

0

1.30

1.40

Time-->



#6

Chloroethane

Concen: 98.047 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060170.D

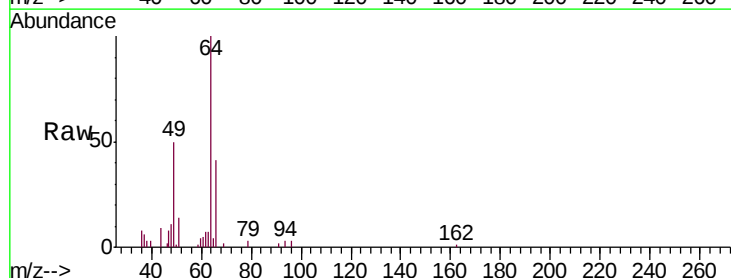
Acq: 29 Aug 2018 1:54

Tgt Ion: 64 Resp: 24980

Ion Ratio Lower Upper

64 100

66 41.0 24.2 36.4#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

15000

10000

5000

0

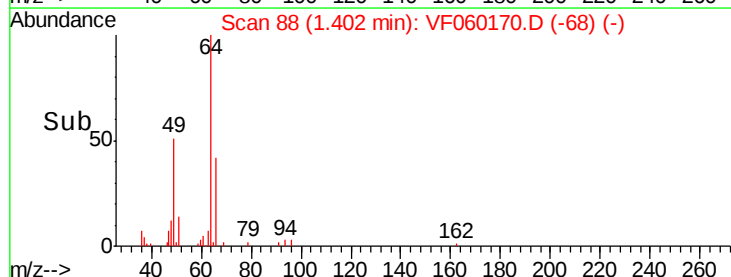
1.30

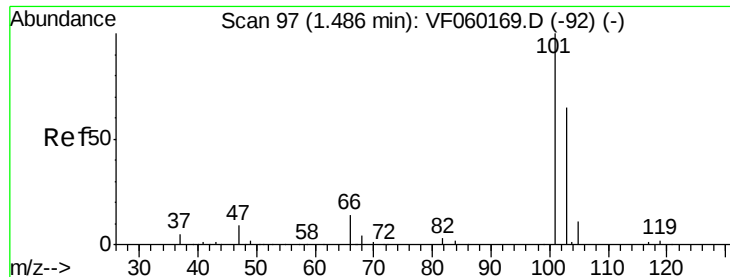
1.40

1.50

1.60

Time-->



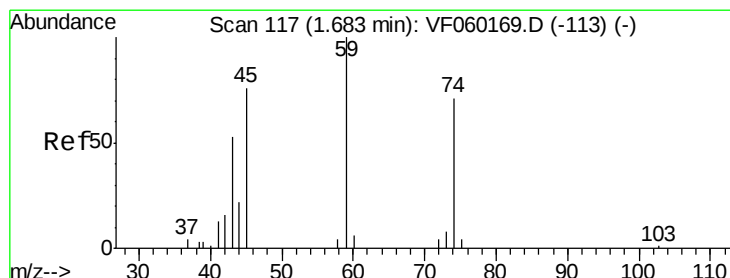
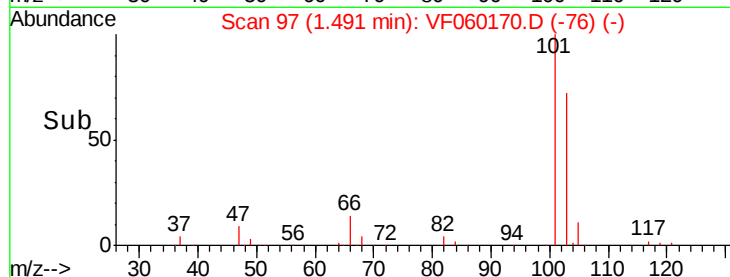
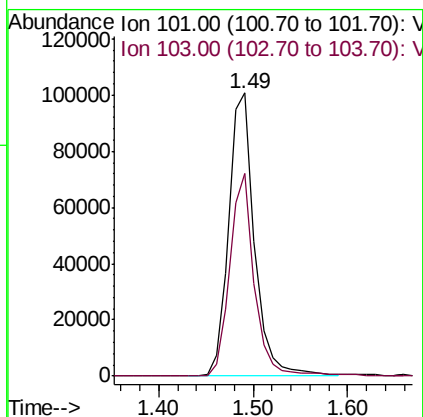
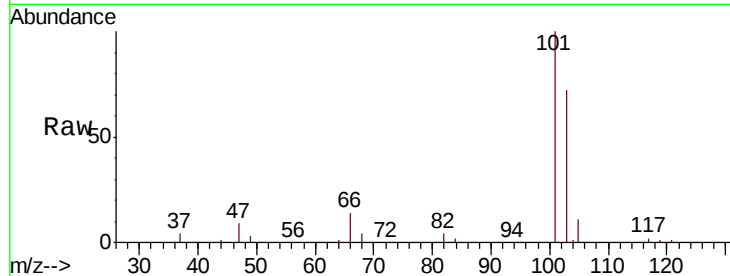


#7

Trichlorofluoromethane
 Concen: 134.482 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VF060170.D
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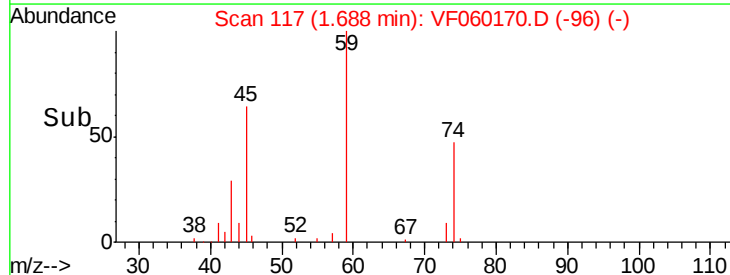
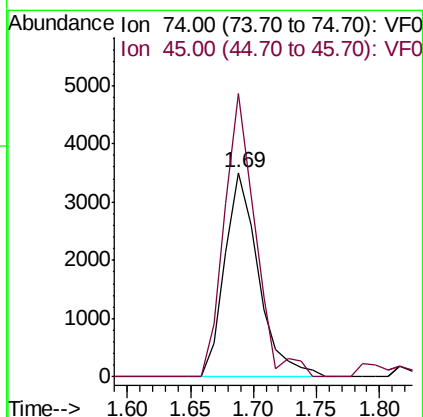
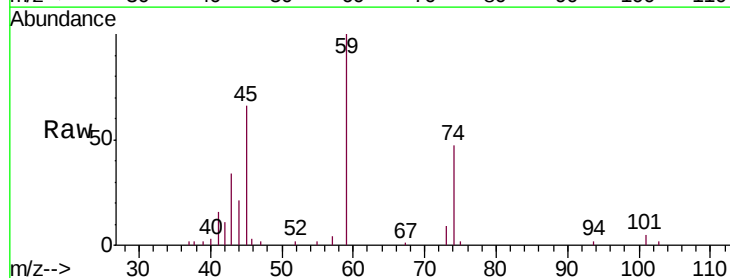
Tgt Ion: 101 Resp: 191273
 Ion Ratio Lower Upper
 101 100
 103 71.6 51.8 77.6

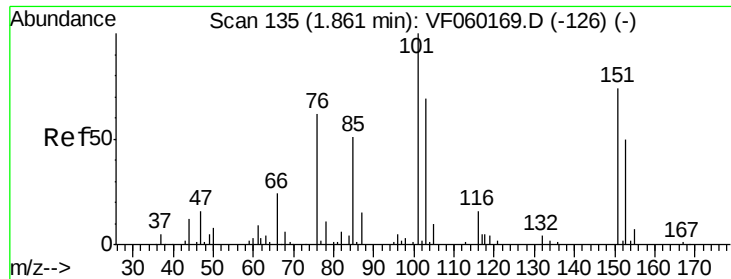


#8

Diethyl Ether
 Concen: 33.408 ug/l
 RT: 1.69 min Scan# 117
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 74 Resp: 6494
 Ion Ratio Lower Upper
 74 100
 45 138.7 53.5 160.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 118.300 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

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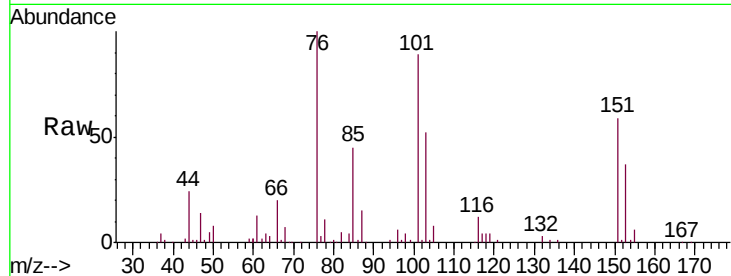
Tgt Ion:101 Resp: 84739

Ion Ratio Lower Upper

101 100

85 51.2 42.2 63.2

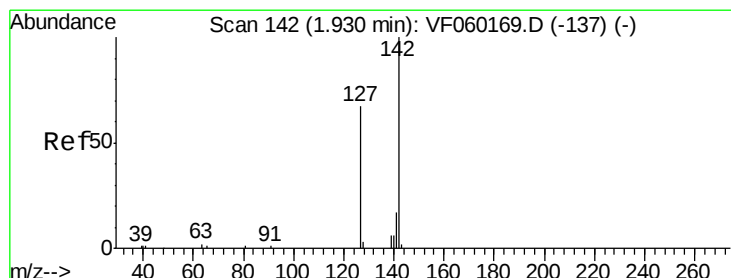
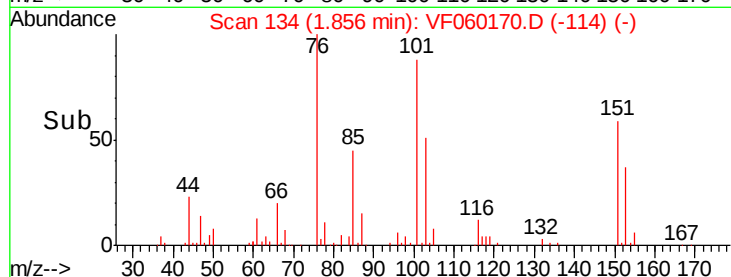
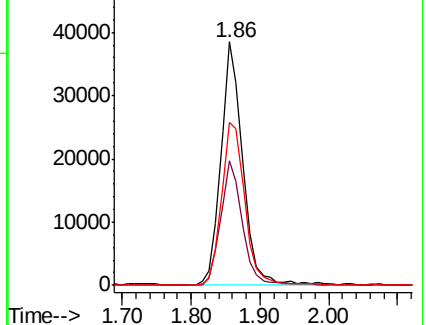
151 66.9 59.2 88.8



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: 47.523 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

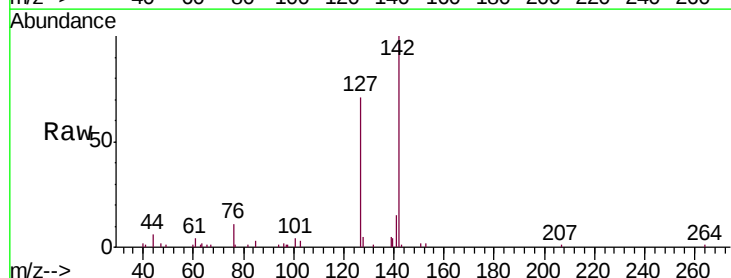
Tgt Ion:142 Resp: 36841

Ion Ratio Lower Upper

142 100

127 71.4 53.9 80.9

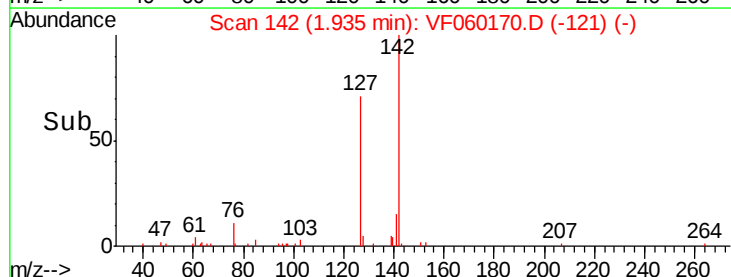
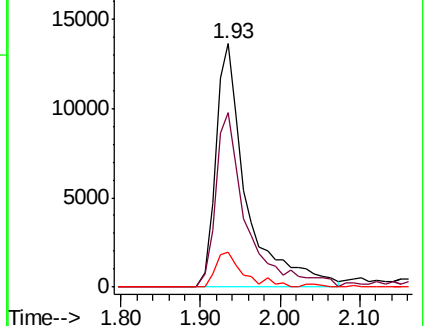
141 14.5 13.4 20.2

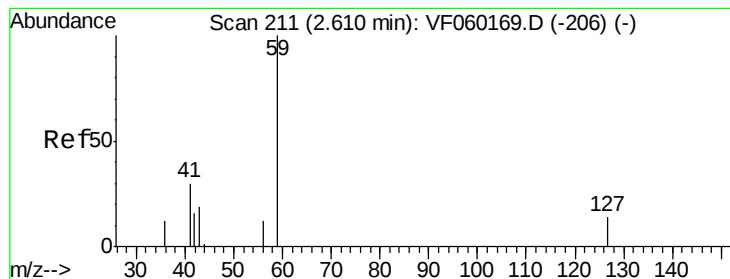


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 79.623 ug/l

RT: 2.61 min Scan# 211

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

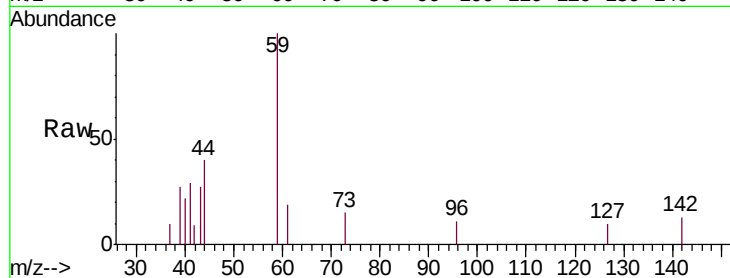
VSTDIC075

Tgt Ion: 59 Resp: 3630

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

3000

2500

2000

1500

1000

500

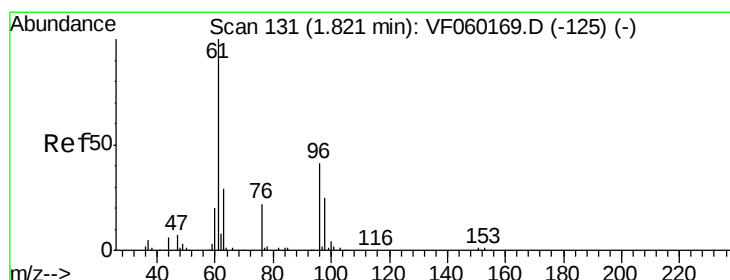
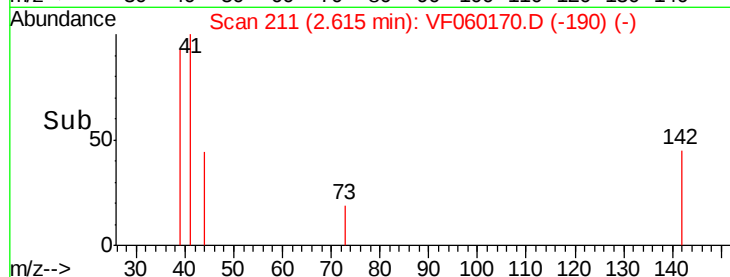
0

2.50

2.60

2.70

Time-->



#12

1,1-Dichloroethene

Concen: 98.171 ug/l

RT: 1.83 min Scan# 131

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

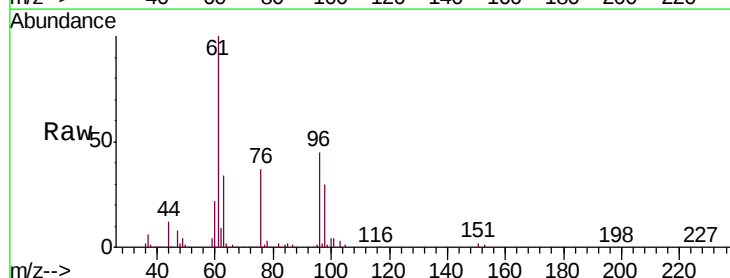
Tgt Ion: 96 Resp: 49551

Ion Ratio Lower Upper

96 100

61 224.1 195.2 292.8

98 66.7 49.0 73.6



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

80000

60000

40000

20000

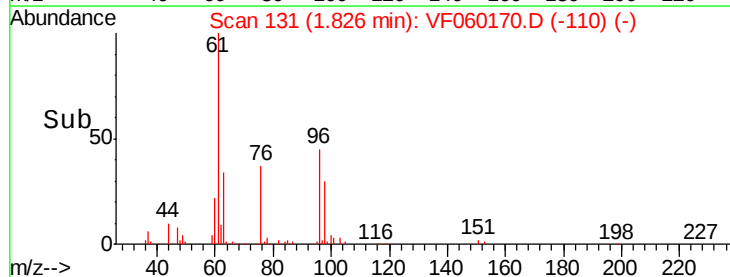
0

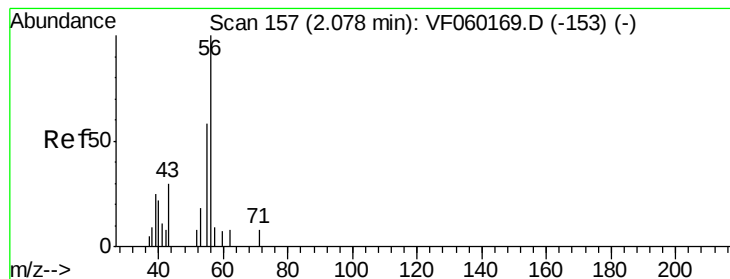
1.70

1.80

1.90

Time-->





#13

Acrolein

Concen: 136.910 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

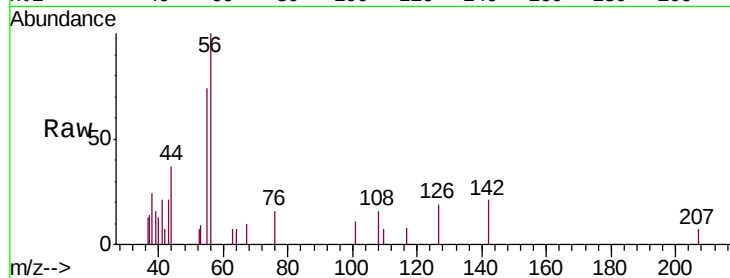
VSTDIC075

Tgt Ion: 56 Resp: 3156

Ion Ratio Lower Upper

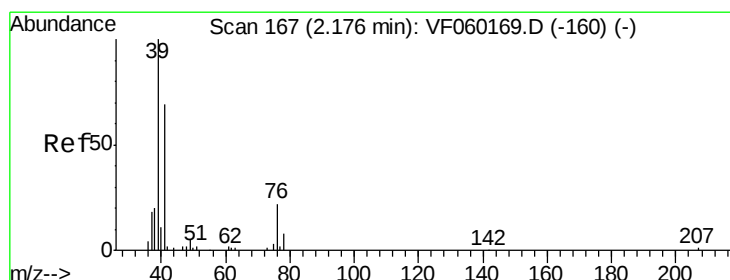
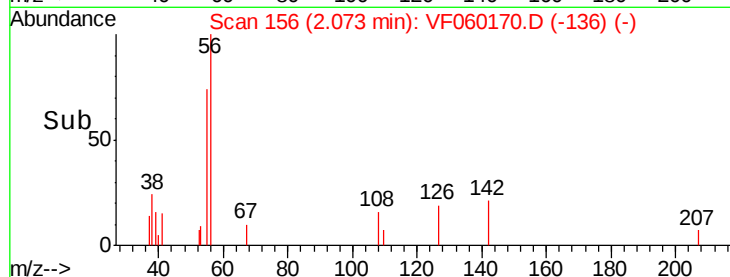
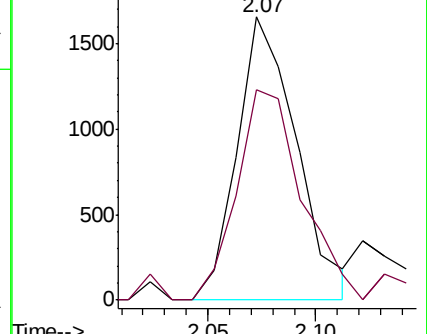
56 100

55 74.3 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: 57.369 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

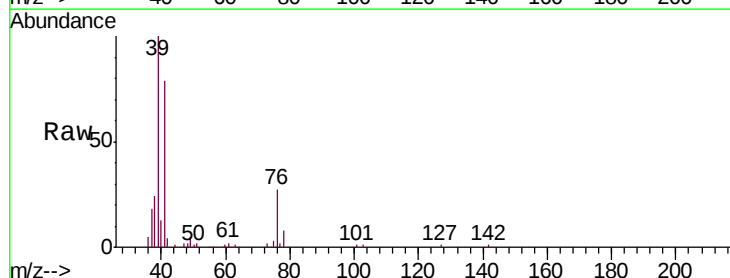
Tgt Ion: 41 Resp: 45303

Ion Ratio Lower Upper

41 100

39 126.4 117.8 176.6

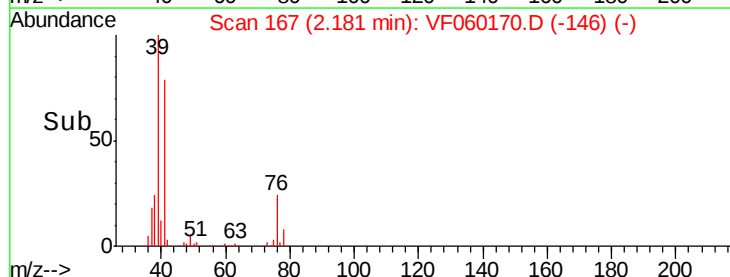
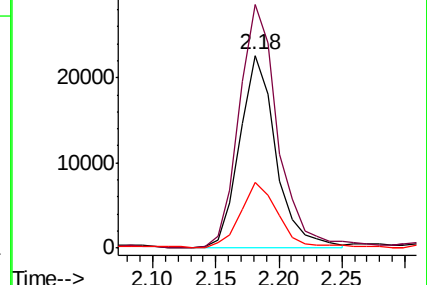
76 34.1 25.9 38.9

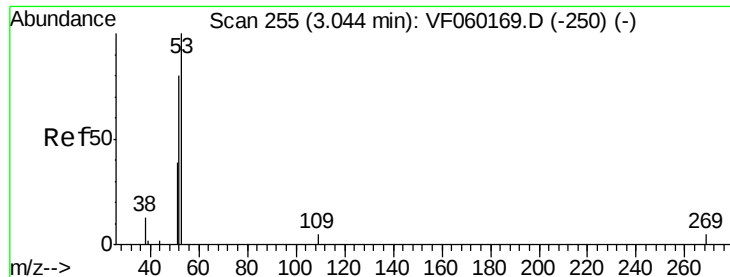


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 83.631 ug/l

RT: 3.05 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

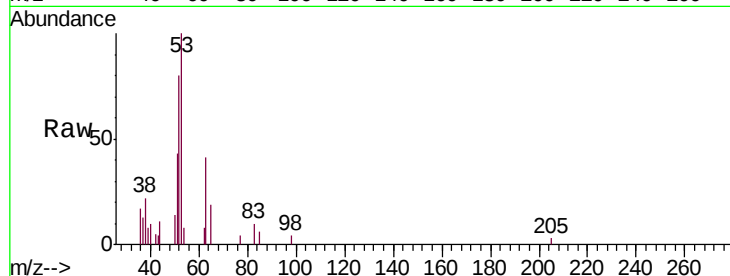
Tgt Ion: 53 Resp: 7726

Ion Ratio Lower Upper

53 100

52 80.5 64.4 96.6

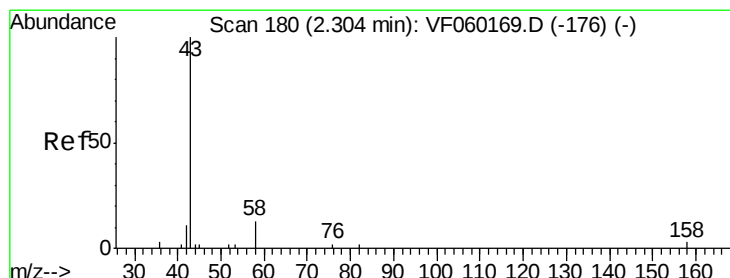
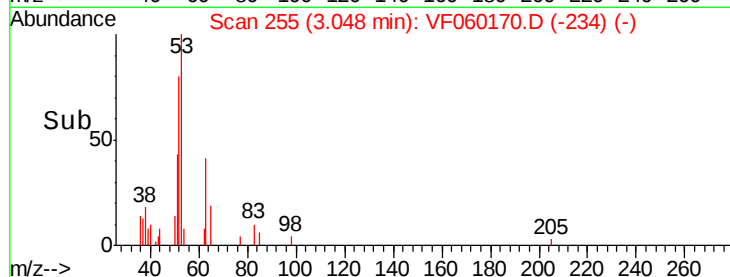
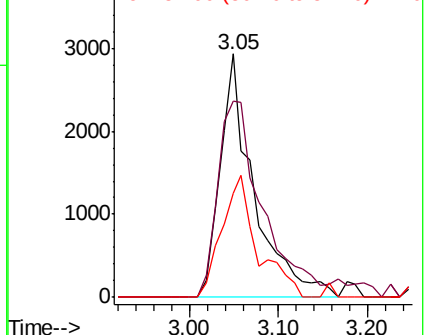
51 42.9 31.0 46.4



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



#16

Acetone

Concen: 83.140 ug/l

RT: 2.31 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060170.D

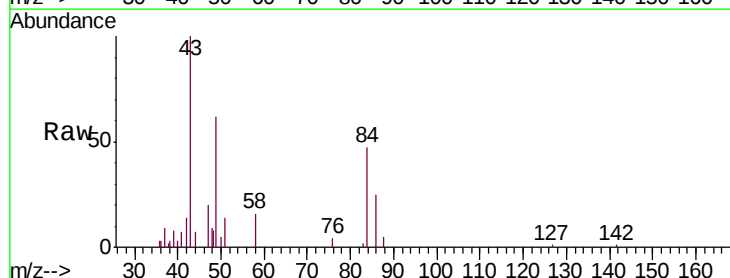
Acq: 29 Aug 2018 1:54

Tgt Ion: 43 Resp: 18971

Ion Ratio Lower Upper

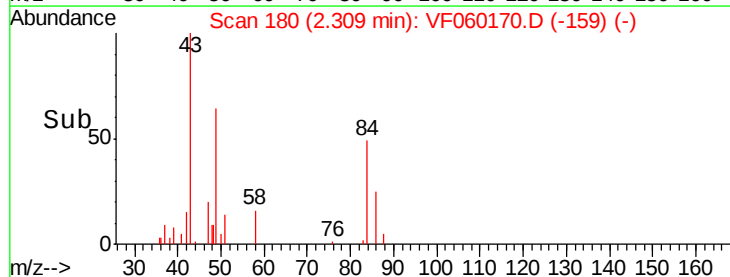
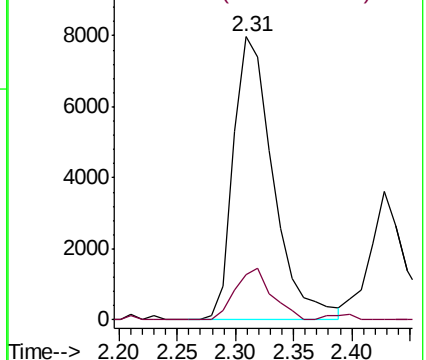
43 100

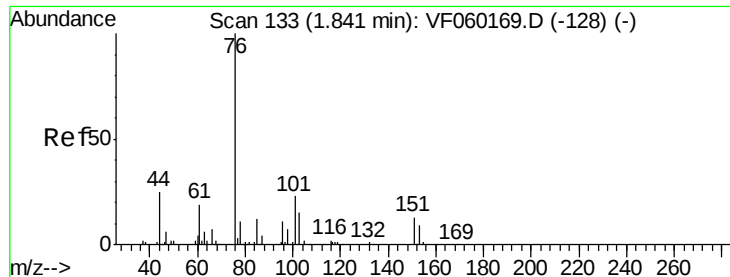
58 15.9 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

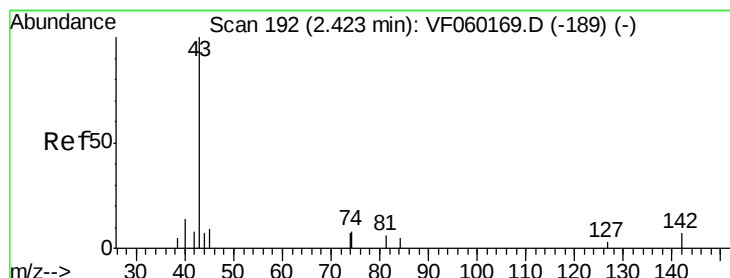
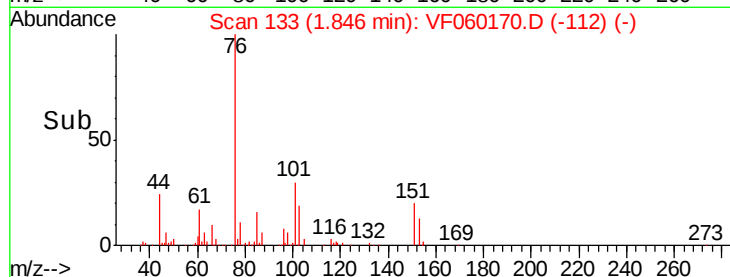
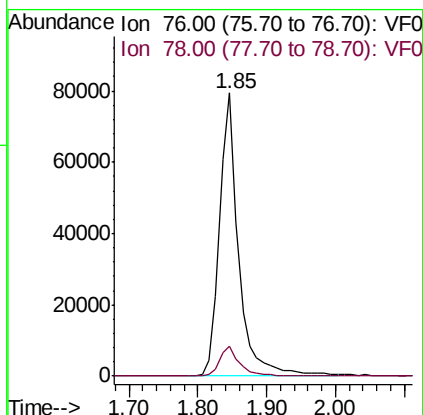
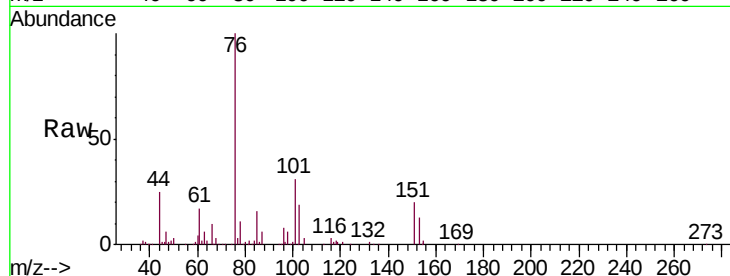




#17
Carbon Disulfide
Concen: 96.691 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

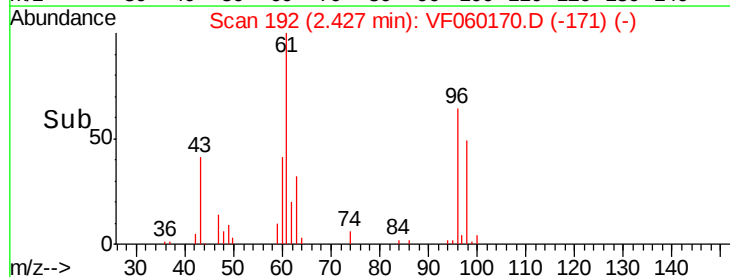
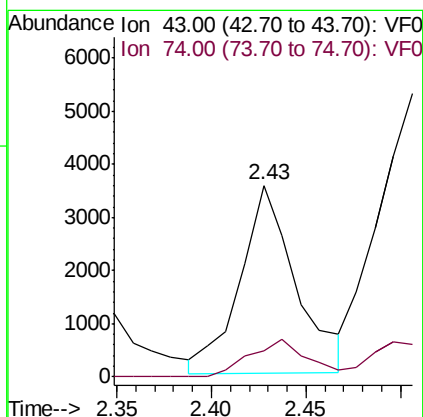
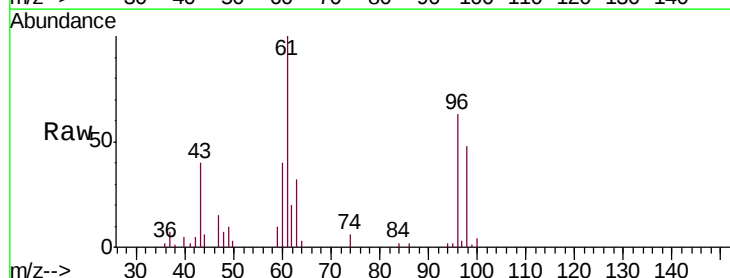
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

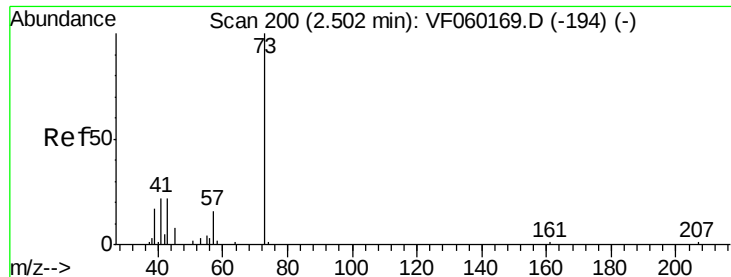
Tgt Ion: 76 Resp: 154074
Ion Ratio Lower Upper
76 100
78 10.5 8.6 12.8



#18
Methyl Acetate
Concen: 16.286 ug/l
RT: 2.43 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion: 43 Resp: 7303
Ion Ratio Lower Upper
43 100
74 14.0 10.6 16.0

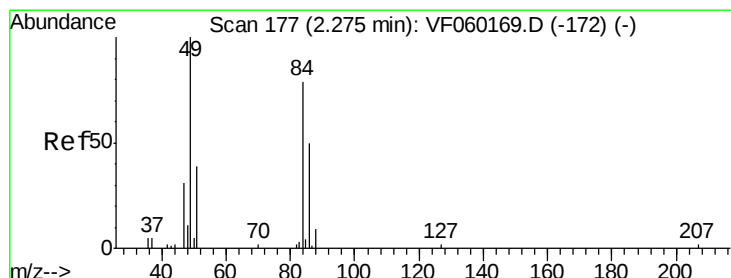
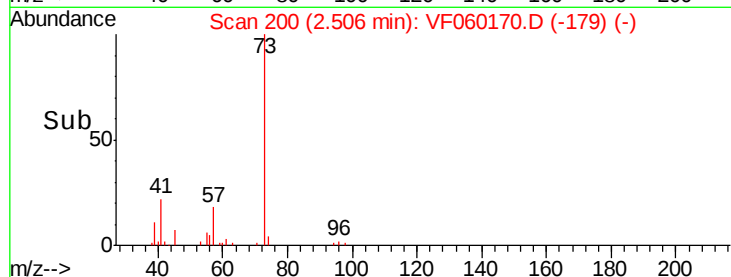
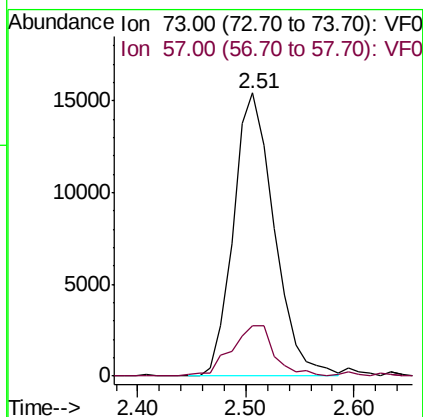
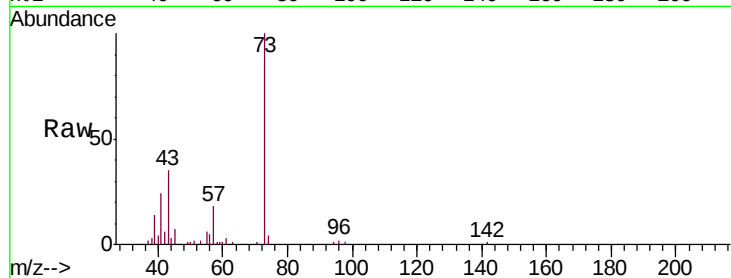




#19
Methyl tert-butyl Ether
Concen: 30.583 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

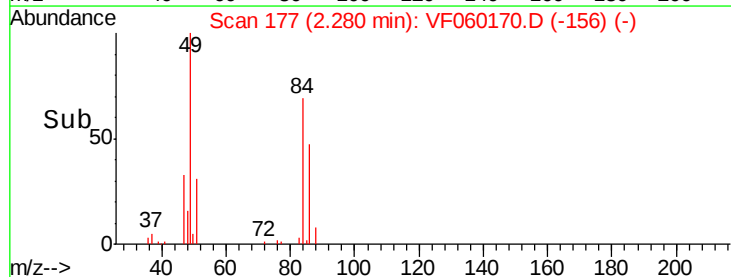
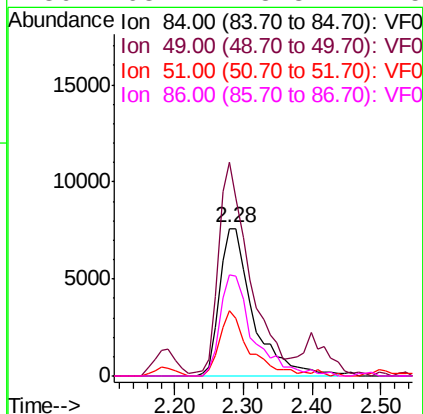
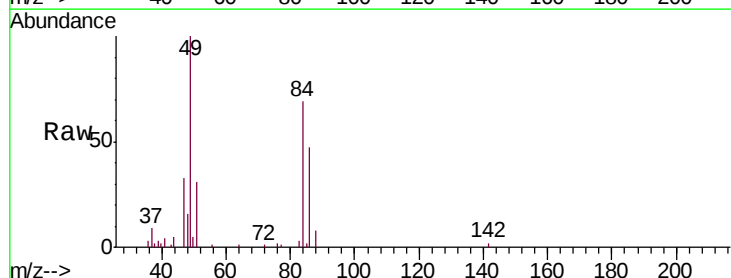
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

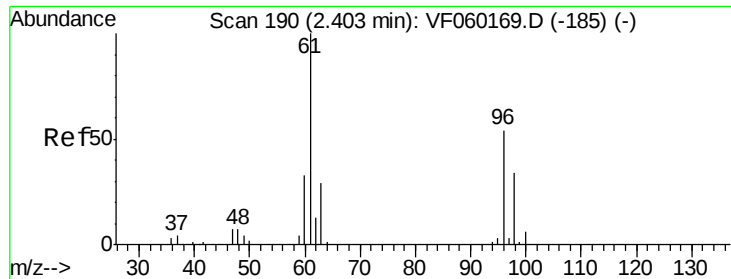
Tgt Ion: 73 Resp: 40395
Ion Ratio Lower Upper
73 100
57 17.9 13.0 19.4



#20
Methylene Chloride
Concen: 44.097 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion: 84 Resp: 25656
Ion Ratio Lower Upper
84 100
49 144.5 97.0 145.4
51 44.3 38.2 57.2
86 68.1 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 79.573 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

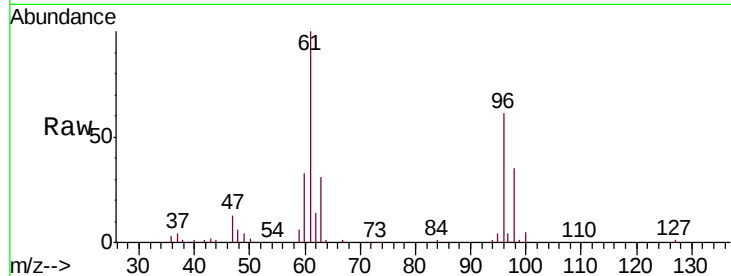
Tgt Ion: 96 Resp: 43143

Ion Ratio Lower Upper

96 100

61 164.2 148.6 222.8

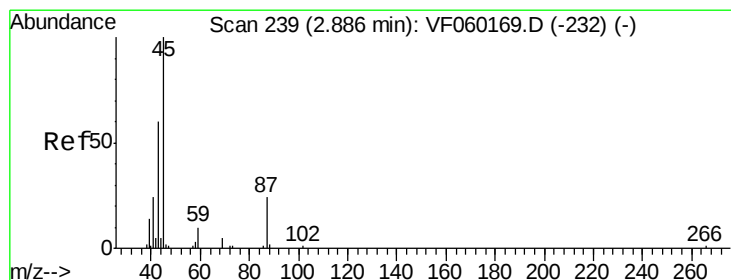
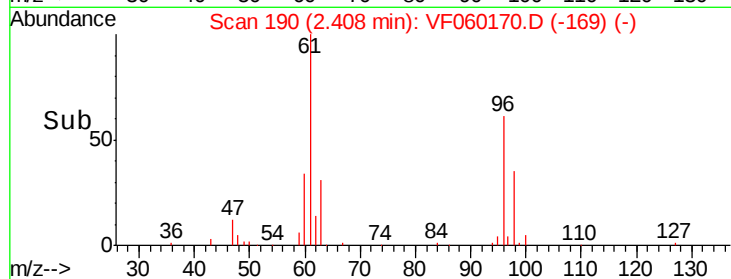
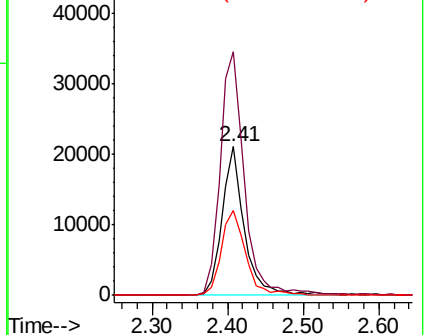
98 57.3 50.4 75.6



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: 44.539 ug/l

RT: 2.89 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Tgt Ion: 45 Resp: 75505

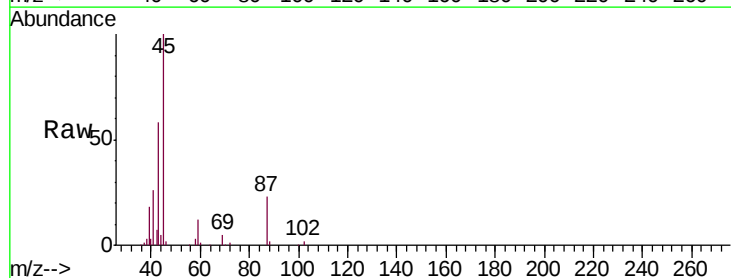
Ion Ratio Lower Upper

45 100

43 57.5 48.0 72.0

87 23.0 18.9 28.3

59 12.0 7.6 11.4#

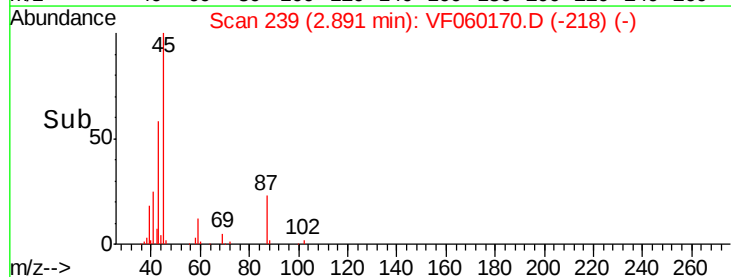
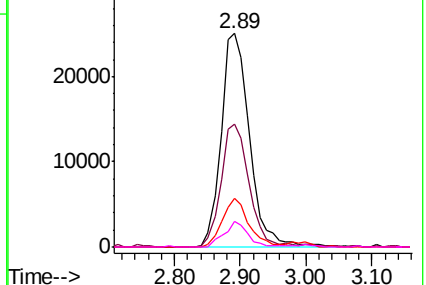


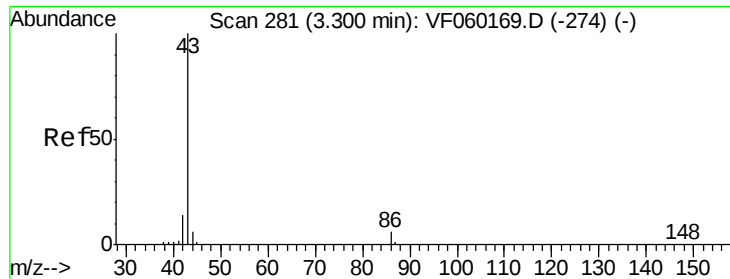
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 118.912 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

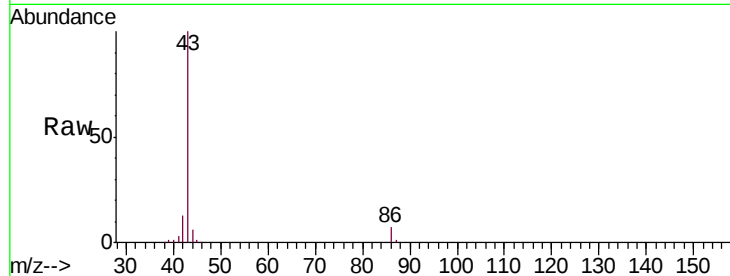
VSTDIC075

Tgt Ion: 43 Resp: 100460

Ion Ratio Lower Upper

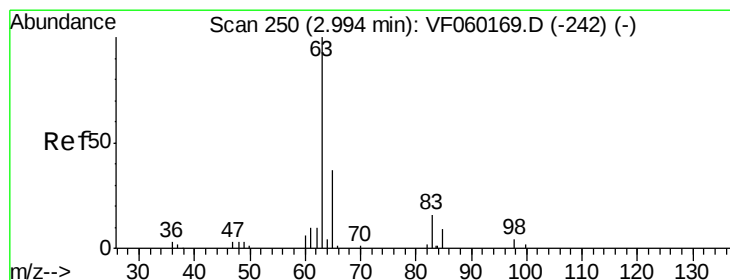
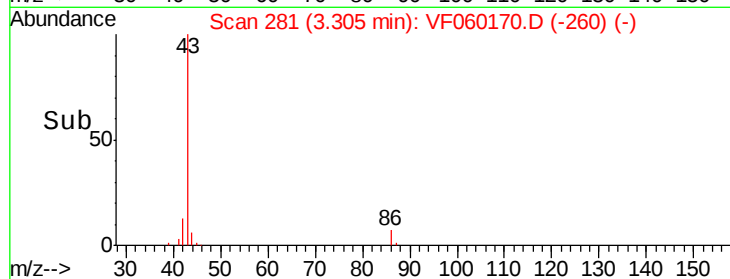
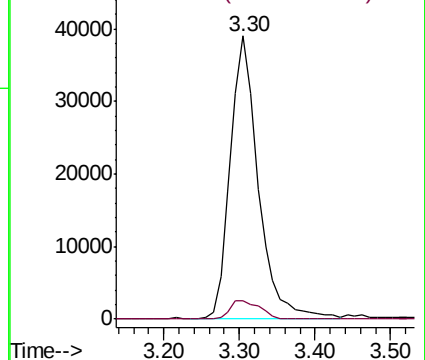
43 100

86 6.6 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: 66.539 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

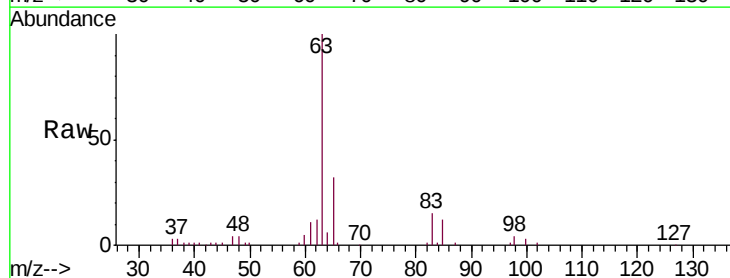
Tgt Ion: 63 Resp: 74516

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.3

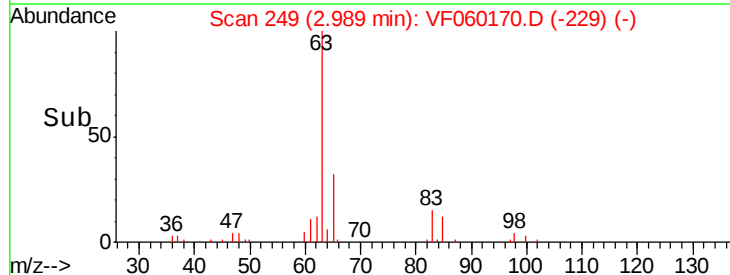
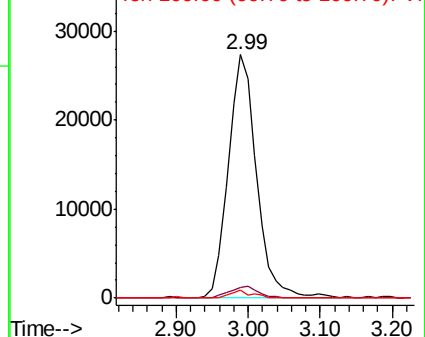
100 3.3 0.9 2.7#

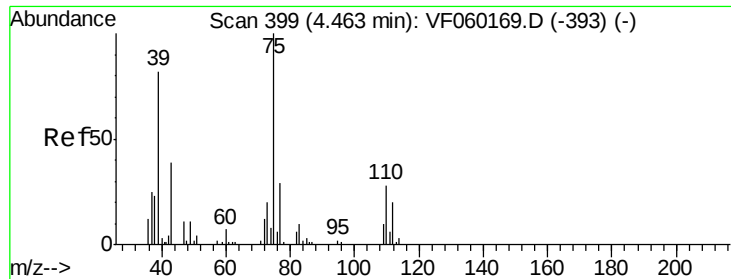


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 67.137 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

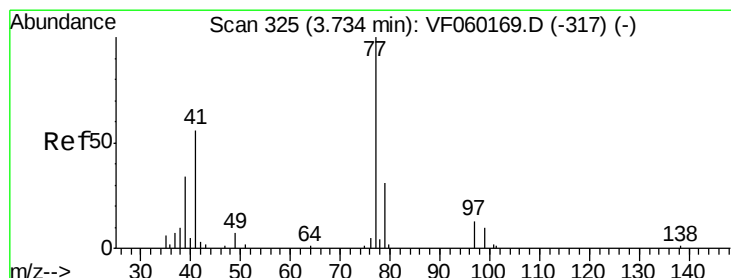
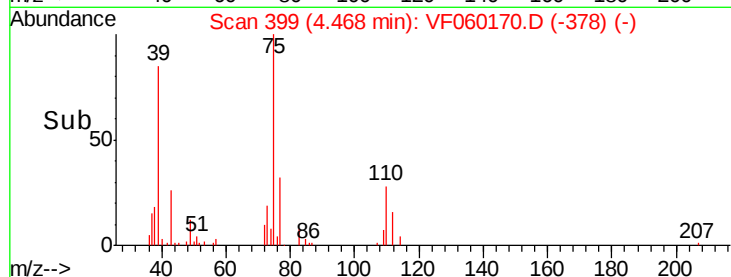
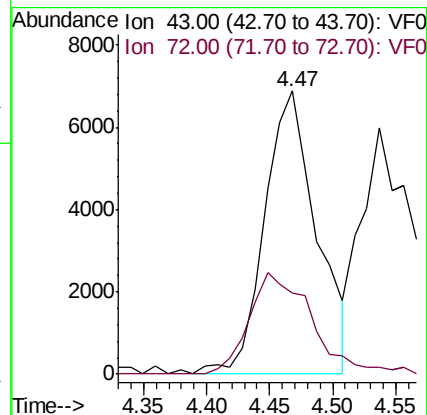
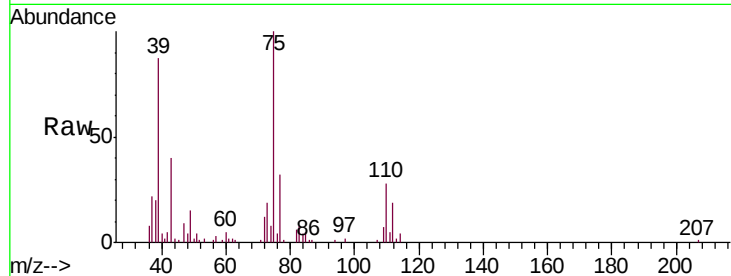
VSTDIC075

Tgt Ion: 43 Resp: 19775

Ion Ratio Lower Upper

43 100

72 28.8 24.2 36.2



#26

2,2-Dichloropropane

Concen: 51.695 ug/l

RT: 3.74 min Scan# 325

Delta R.T. 0.00 min

Lab File: VF060170.D

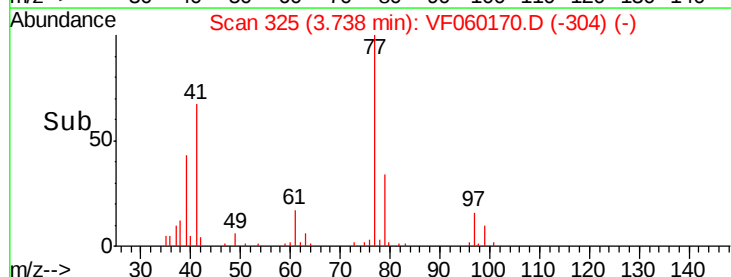
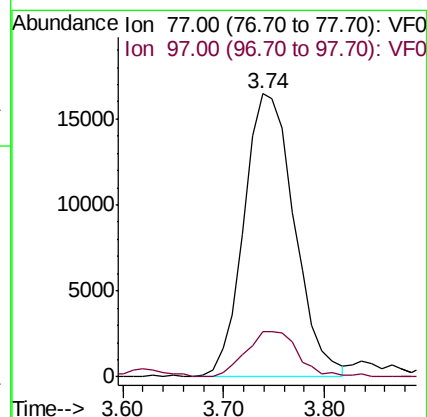
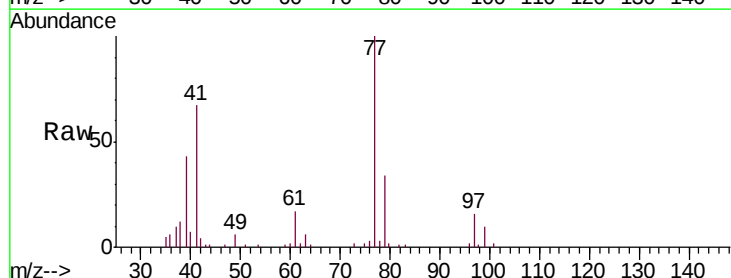
Acq: 29 Aug 2018 1:54

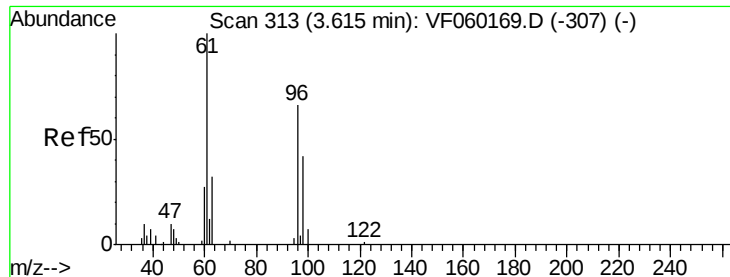
Tgt Ion: 77 Resp: 57452

Ion Ratio Lower Upper

77 100

97 15.8 7.0 21.0



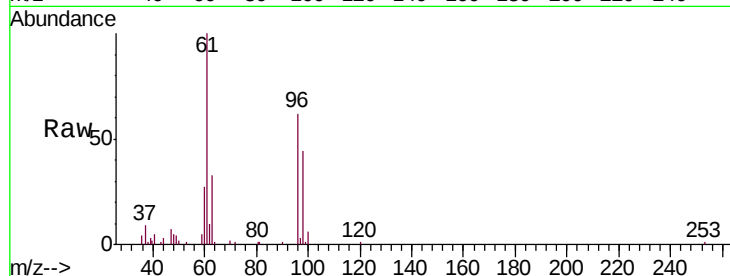


#27

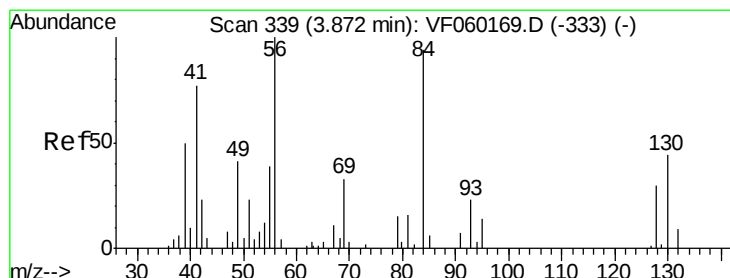
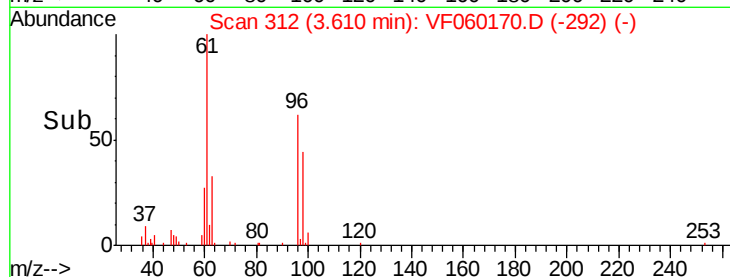
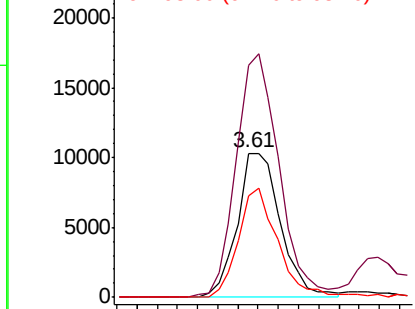
cis-1,2-Dichloroethene
 Concen: 44.936 ug/l
 RT: 3.61 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	303.0
98	70.7	0.0	126.8



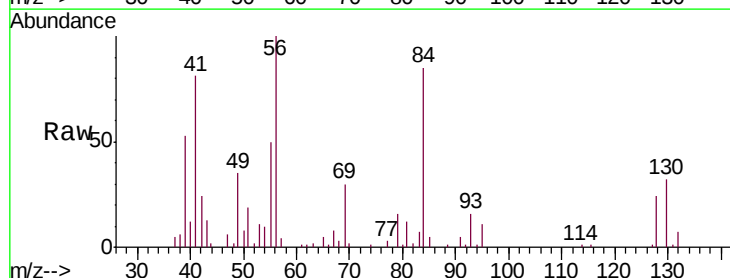
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



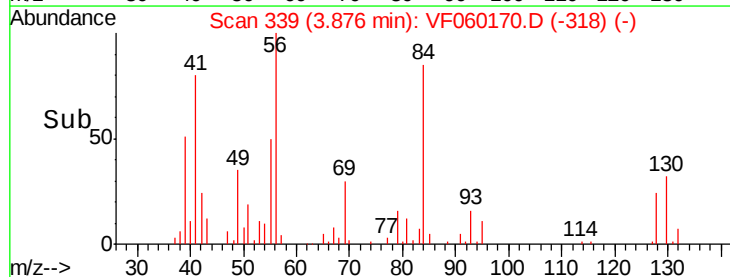
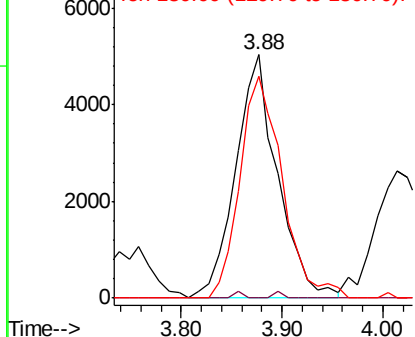
#28

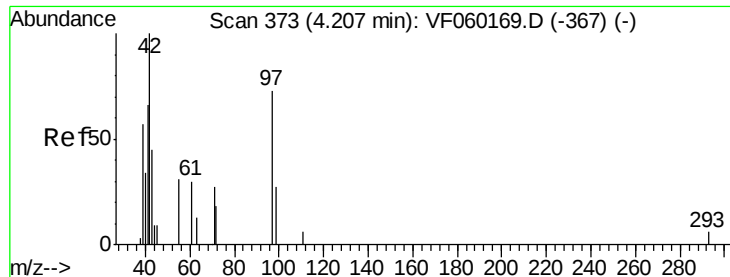
Bromochloromethane
 Concen: 33.204 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.6
130	91.1	86.0	129.0



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

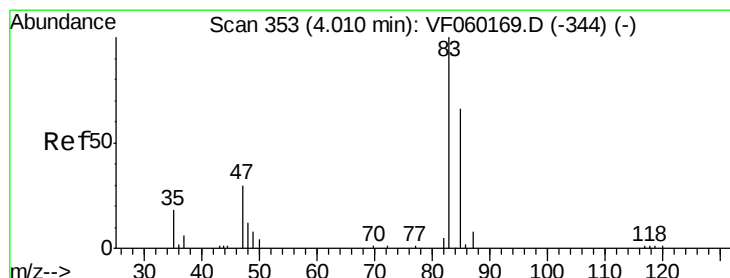
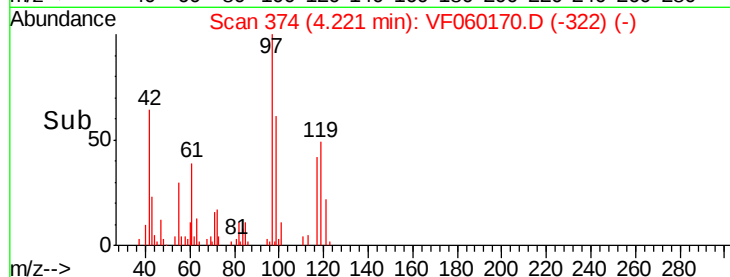
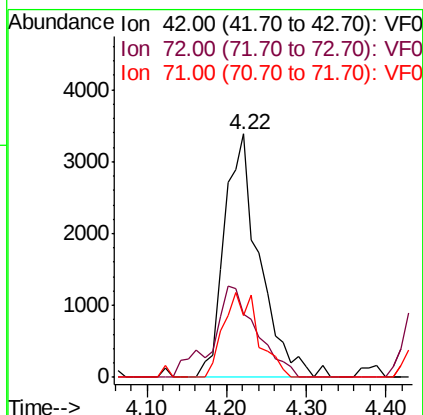
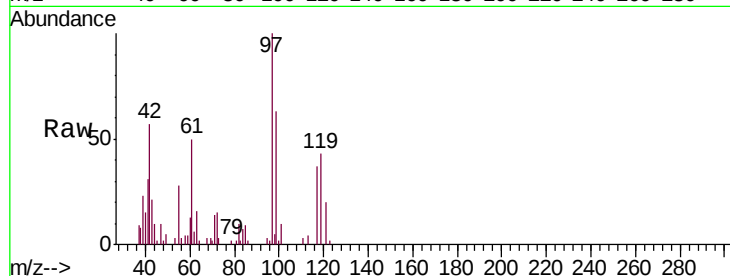




#29
Tetrahydrofuran
Concen: 92.975 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.01 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

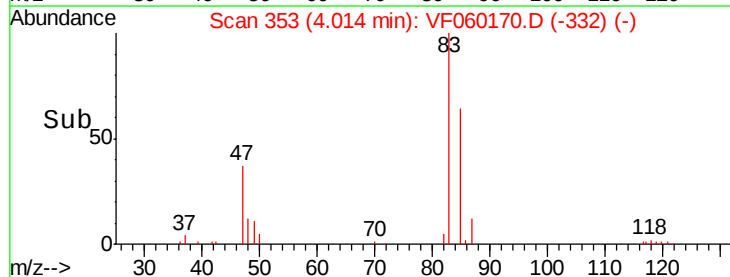
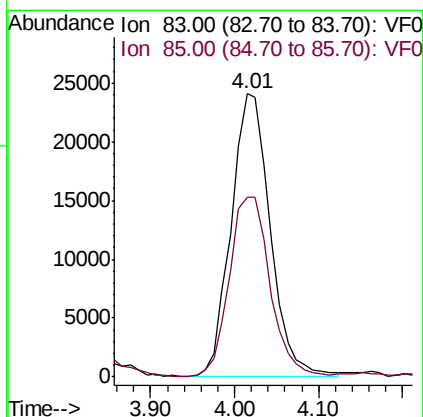
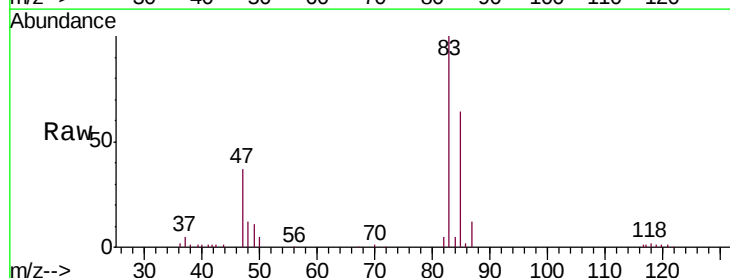
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

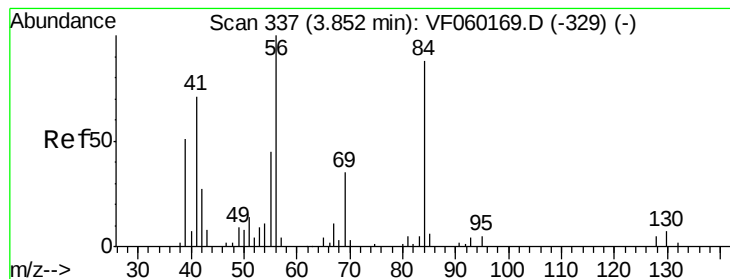
Tgt Ion: 42 Resp: 10450
Ion Ratio Lower Upper
42 100
72 46.0 27.0 40.4#
71 34.4 24.6 36.8



#30
Chloroform
Concen: 51.493 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion: 83 Resp: 78344
Ion Ratio Lower Upper
83 100
85 63.5 52.8 79.2





#31

Cyclohexane

Concen: 84.406 ug/l

RT: 3.85 min Scan# 336

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

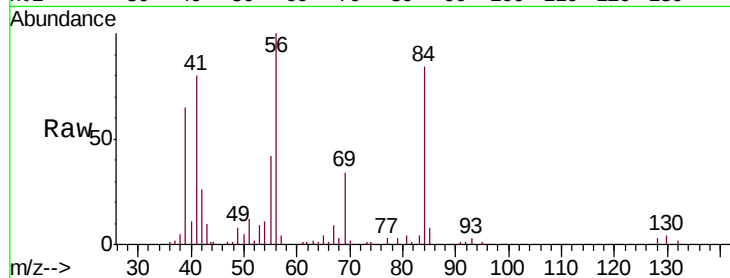
Tgt Ion: 56 Resp: 76304

Ion Ratio Lower Upper

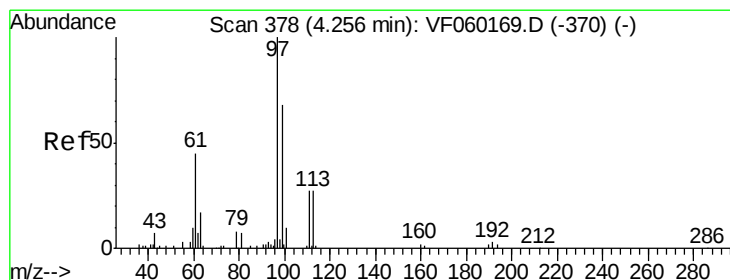
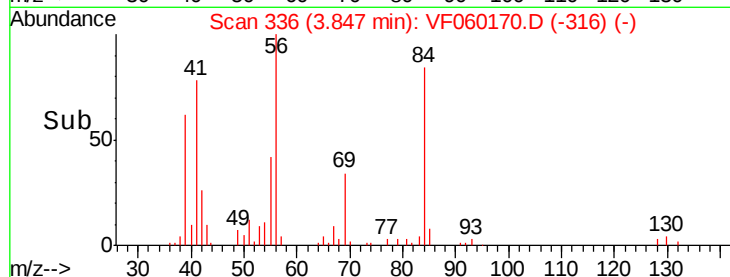
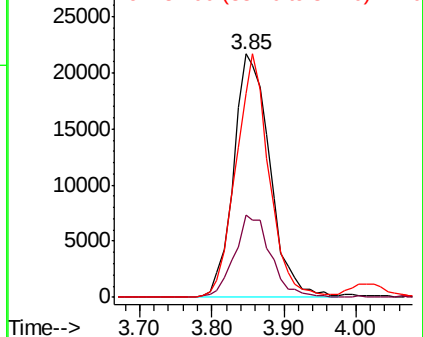
56 100

69 33.7 27.7 41.5

84 84.0 70.2 105.4



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



#32

1,1,1-Trichloroethane

Concen: 89.483 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

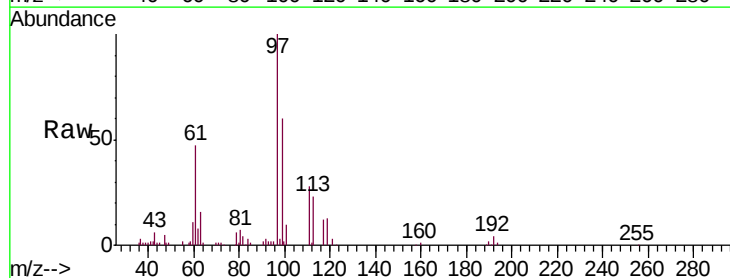
Tgt Ion: 97 Resp: 126755

Ion Ratio Lower Upper

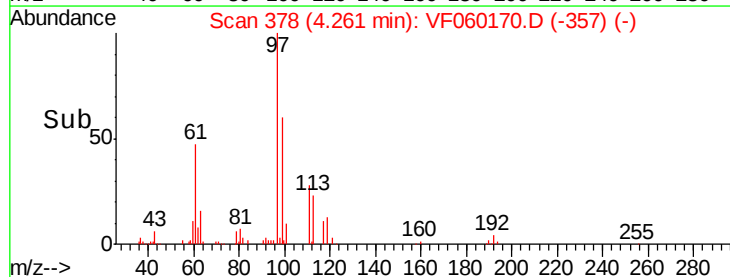
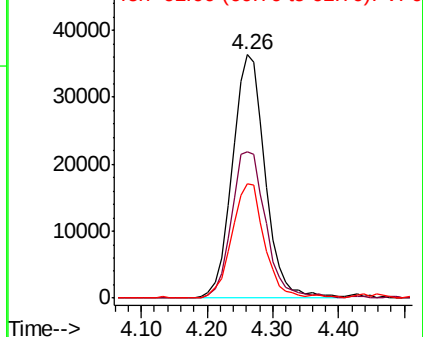
97 100

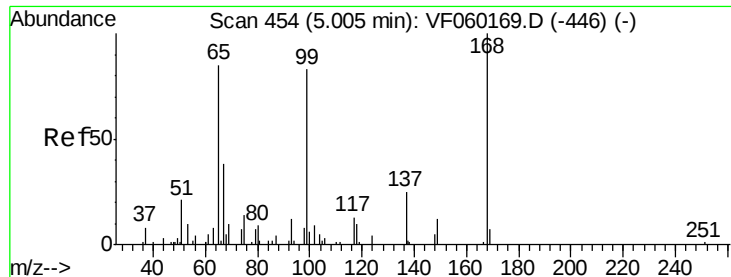
99 60.4 54.4 81.6

61 46.9 36.2 54.4



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





#33

1,2-Dichloroethane-d4

Concen: 33.716 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

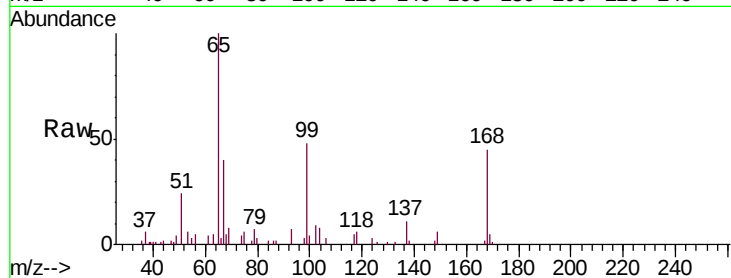
VSTDIC075

Tgt Ion: 65 Resp: 30992

Ion Ratio Lower Upper

65 100

67 39.8 0.0 92.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.00

10000

5000

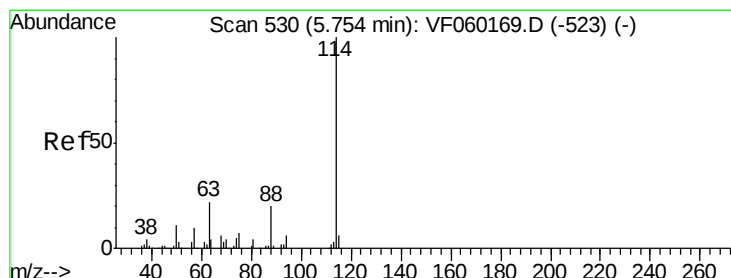
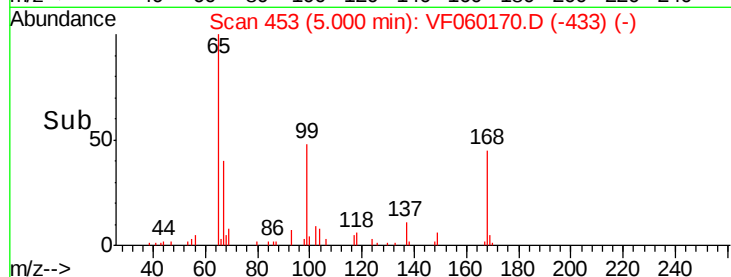
0

Time-->

4.90

5.00

5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

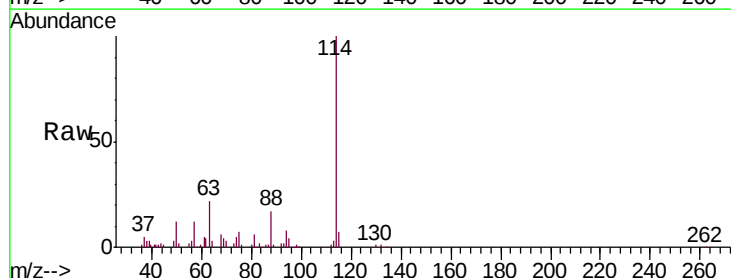
Tgt Ion: 114 Resp: 79675

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.8

88 17.1 0.0 40.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

40000

30000

20000

10000

0

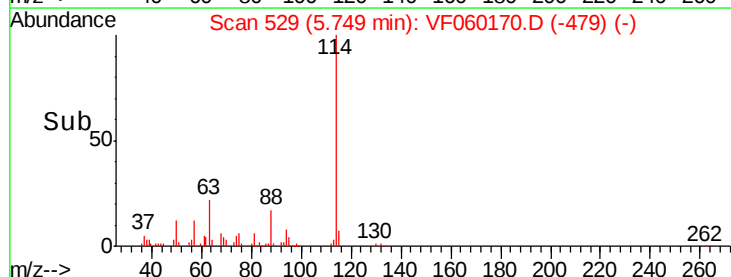
Time-->

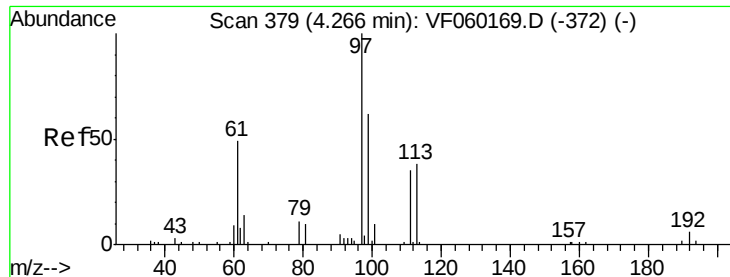
5.60

5.70

5.80

5.90

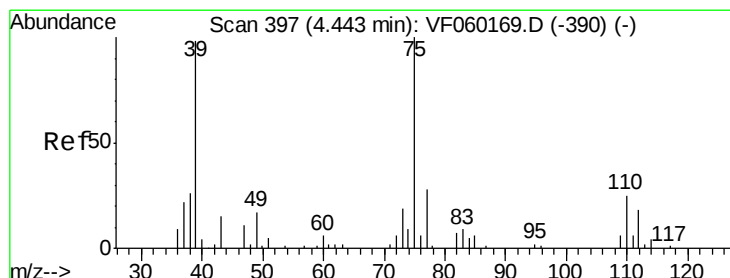
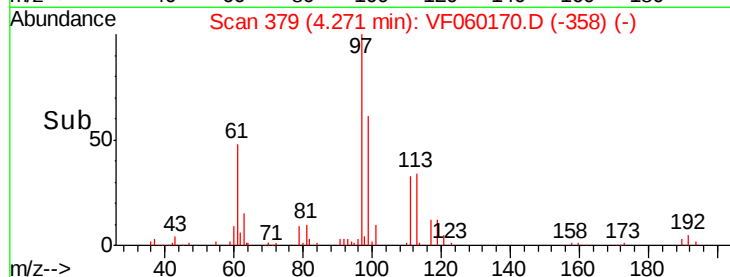
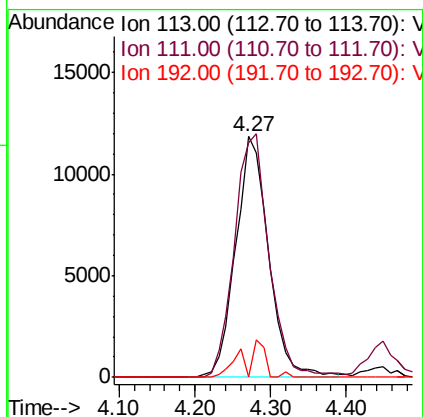
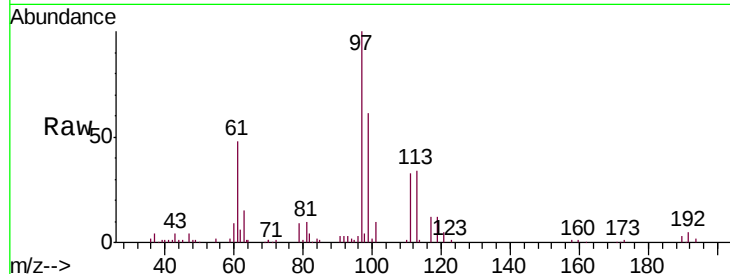




#35
 Dibromofluoromethane
 Concen: 58.711 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

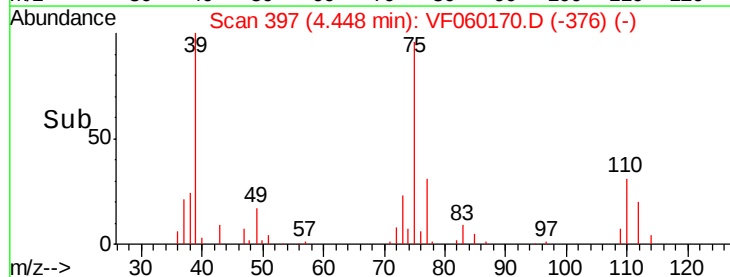
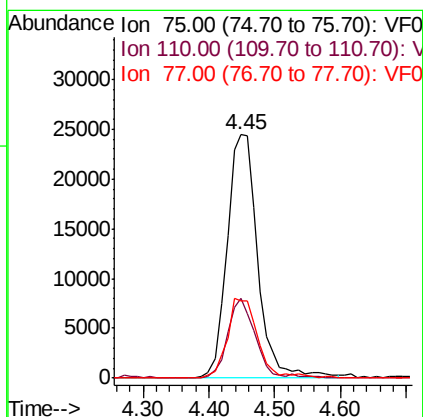
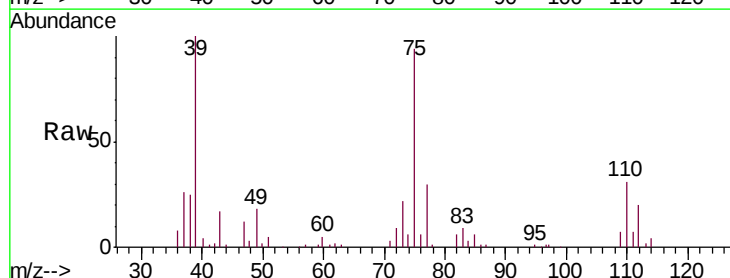
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

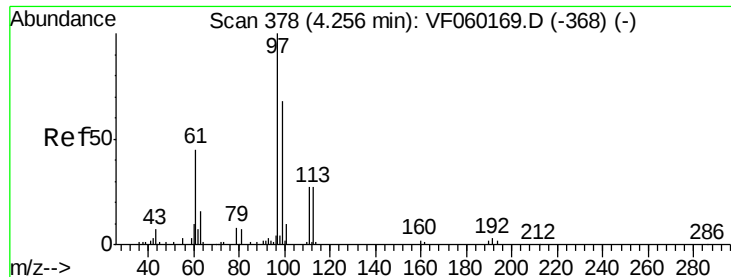
Tgt Ion: 113 Resp: 35807
 Ion Ratio Lower Upper
 113 100
 111 97.3 75.5 113.3
 192 0.0 12.5 18.7#



#36
 1,1-Dichloropropene
 Concen: 99.015 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 75 Resp: 79669
 Ion Ratio Lower Upper
 75 100
 110 32.6 12.6 37.6
 77 31.9 22.2 33.4

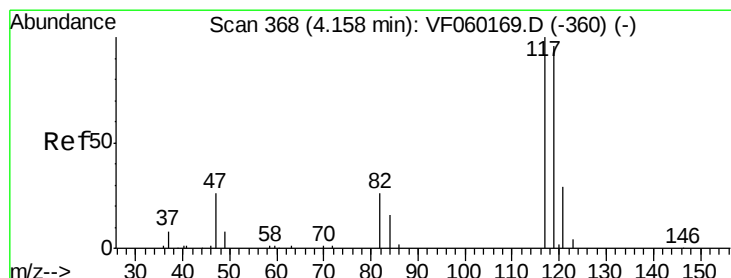
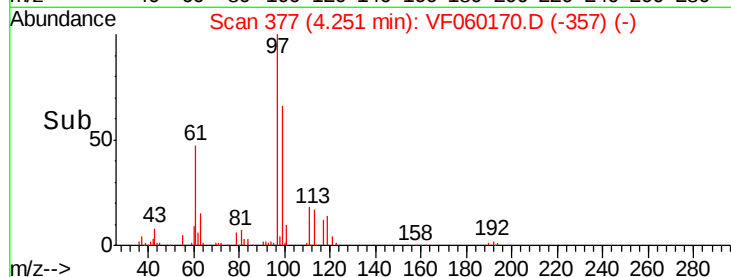
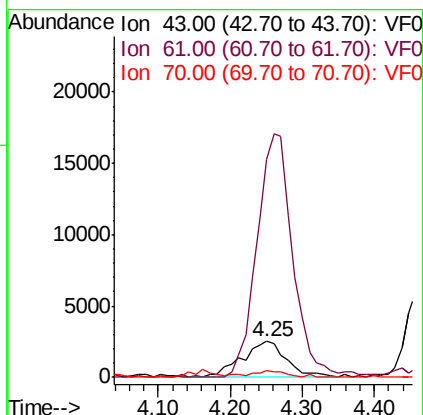
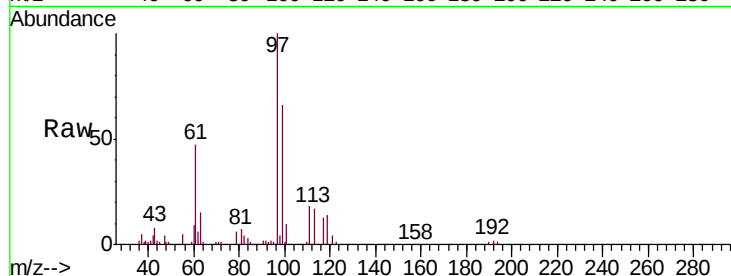




#37
Ethyl Acetate
Concen: 27.540 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

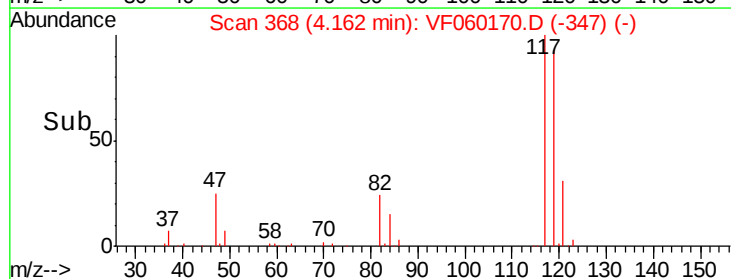
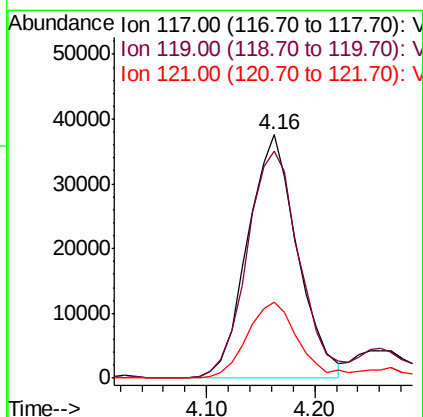
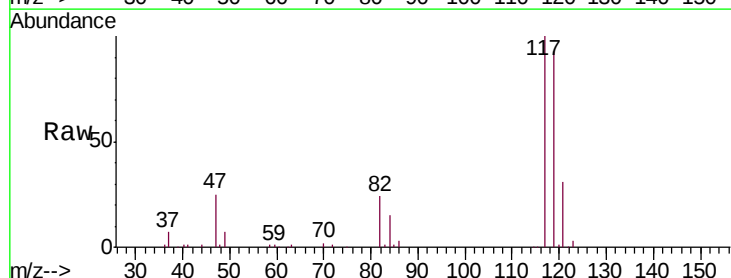
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

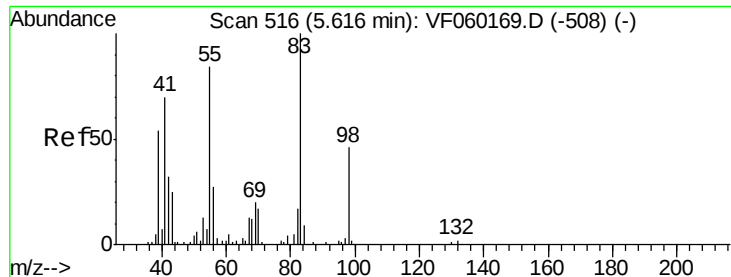
Tgt Ion: 43 Resp: 10904
Ion Ratio Lower Upper
43 100
61 612.2 517.6 776.4
70 17.5 15.4 23.2



#38
Carbon Tetrachloride
Concen: 122.234 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion: 117 Resp: 120942
Ion Ratio Lower Upper
117 100
119 93.1 76.8 115.2
121 31.1 22.9 34.3

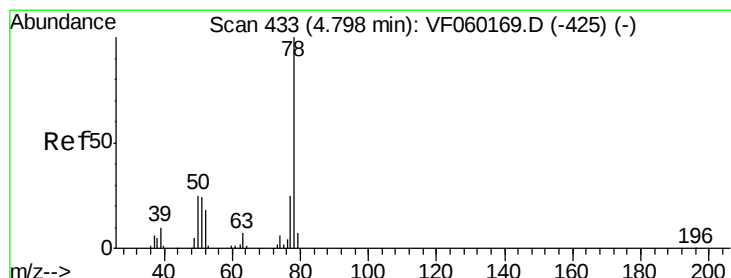
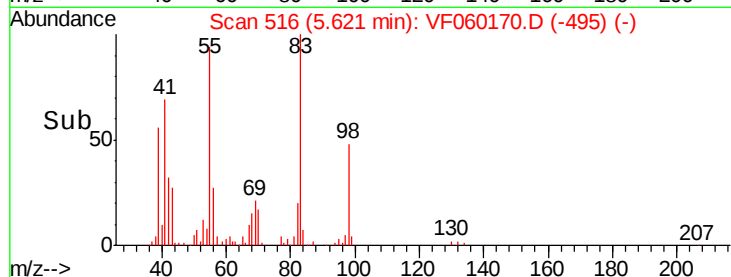
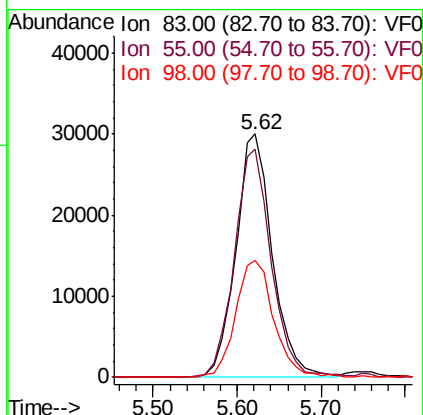
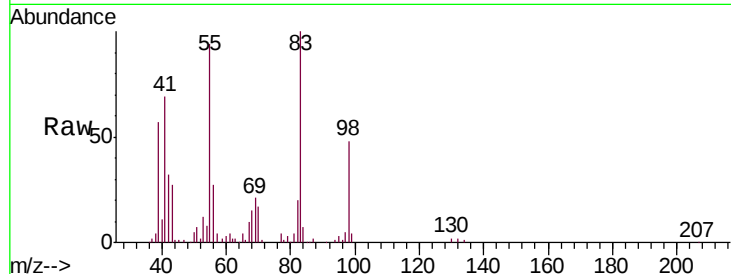




#39
Methylcyclohexane
Concen: 115.417 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

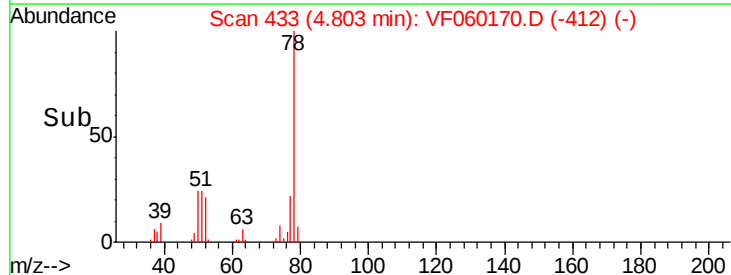
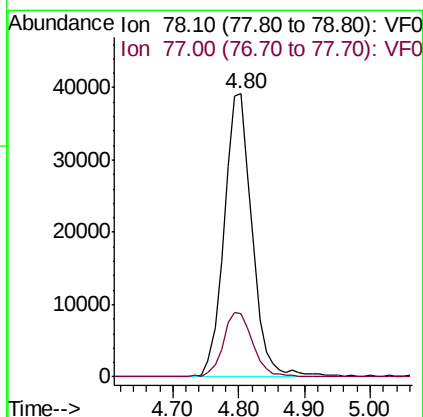
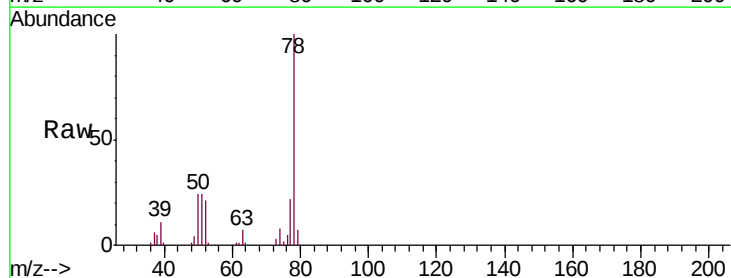
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

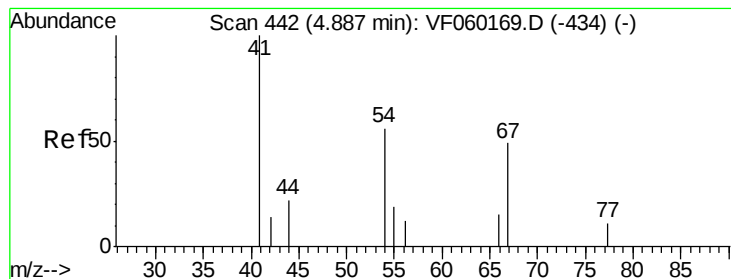
Tgt Ion: 83 Resp: 90672
Ion Ratio Lower Upper
83 100
55 93.6 67.4 101.2
98 48.1 37.0 55.6



#40
Benzene
Concen: 71.990 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion: 78 Resp: 116377
Ion Ratio Lower Upper
78 100
77 22.2 20.2 30.2





#41

Methacrylonitrile

Concen: 27.831 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 5636

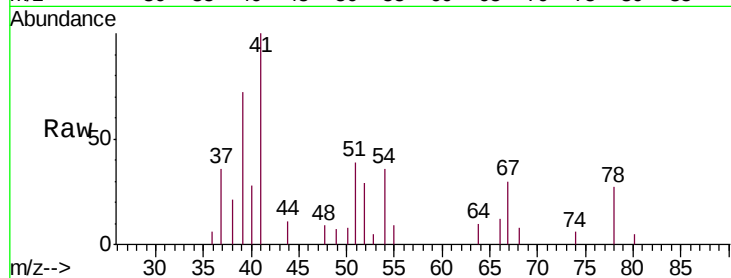
Ion Ratio Lower Upper

41 100

39 72.2 45.0 67.6#

67 30.2 39.5 59.3#

52 29.4 28.5 42.7

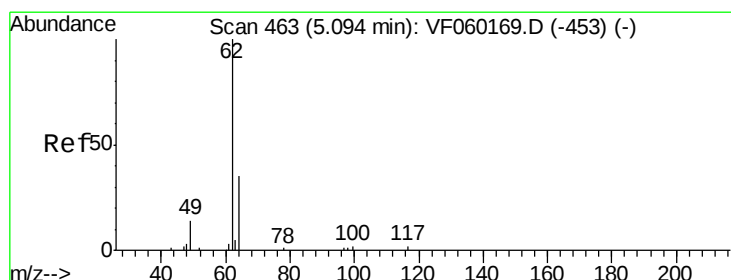
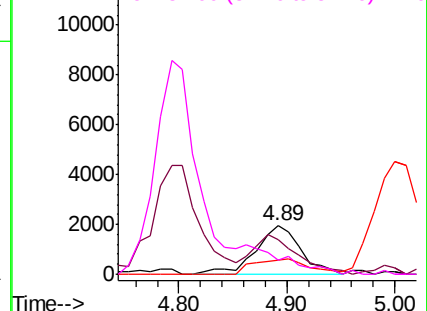
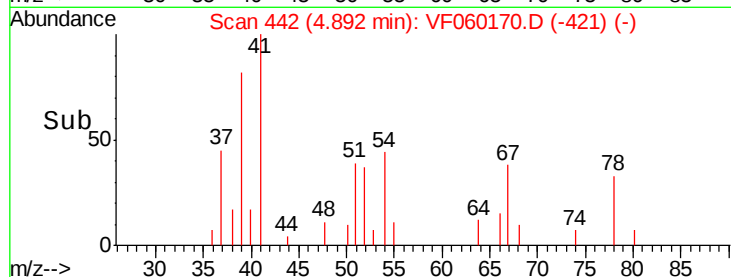


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 47.890 ug/l

RT: 5.10 min Scan# 463

Delta R.T. 0.00 min

Lab File: VF060170.D

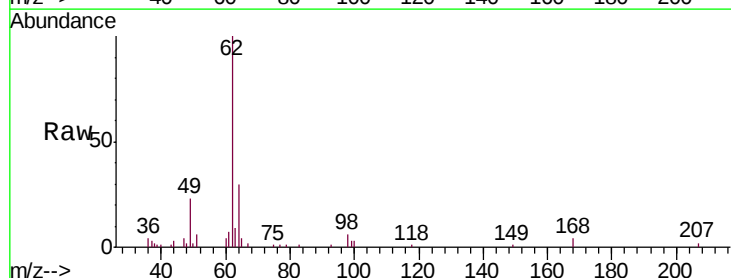
Acq: 29 Aug 2018 1:54

Tgt Ion: 62 Resp: 39199

Ion Ratio Lower Upper

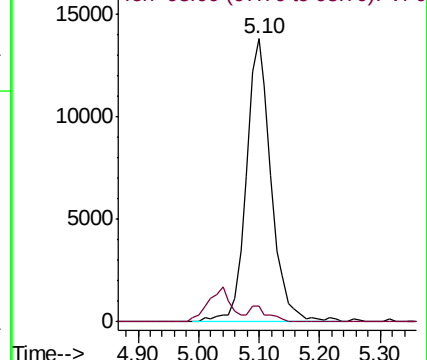
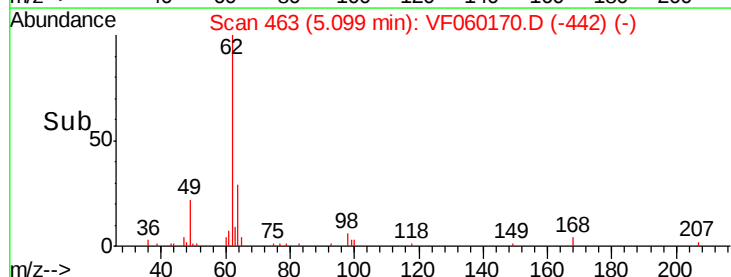
62 100

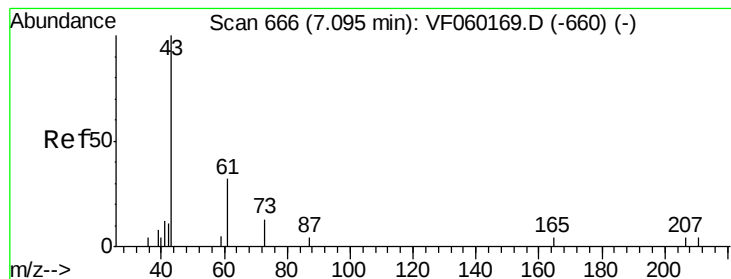
98 5.8 0.0 13.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 26.829 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

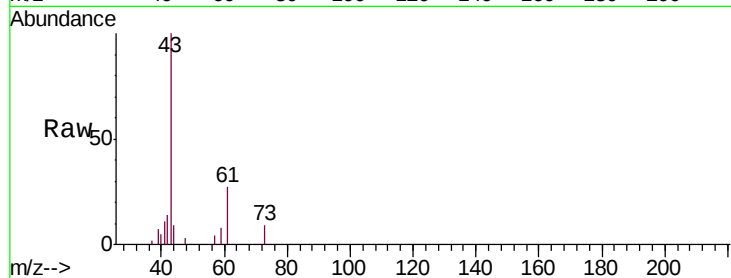
Tgt Ion: 43 Resp: 13238

Ion Ratio Lower Upper

43 100

61 27.3 25.3 37.9

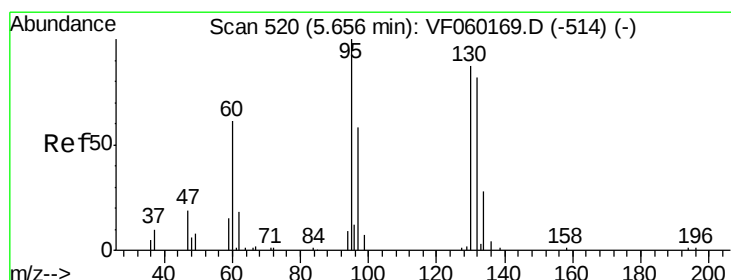
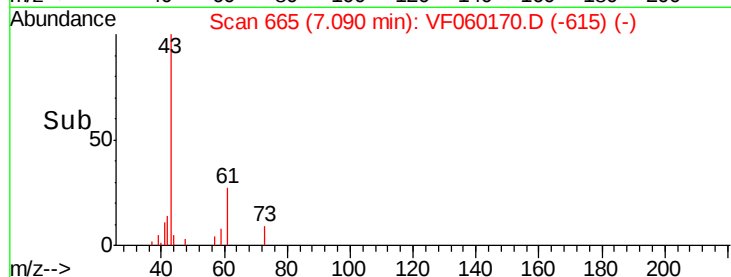
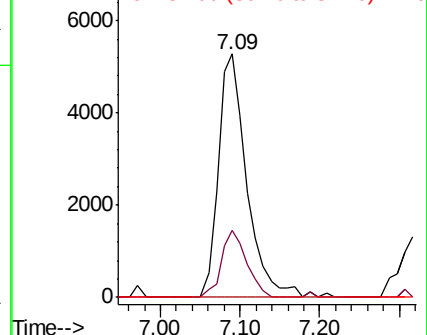
87 0.0 3.0 4.6#



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: 91.734 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF060170.D

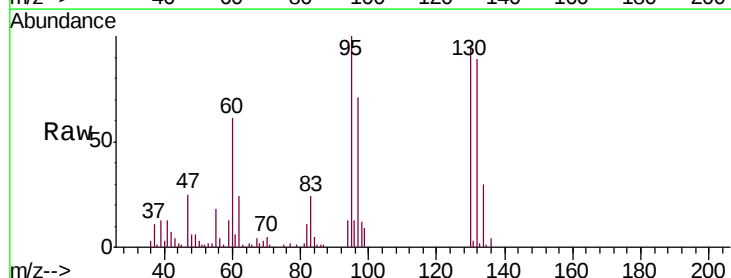
Acq: 29 Aug 2018 1:54

Tgt Ion: 130 Resp: 51523

Ion Ratio Lower Upper

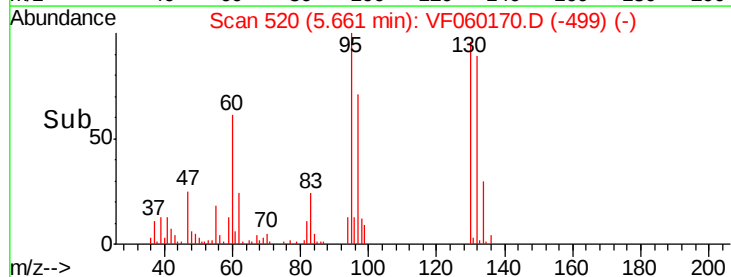
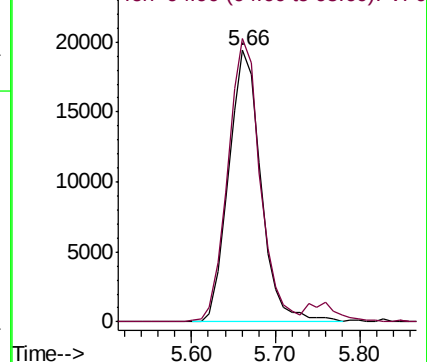
130 100

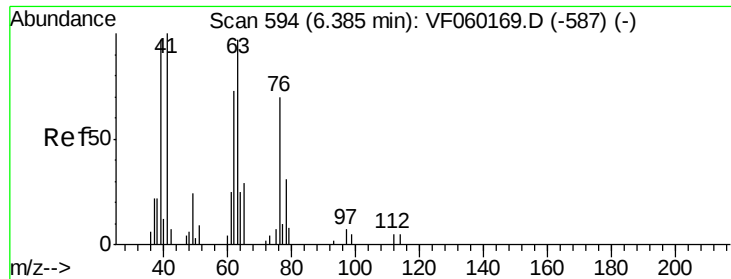
95 104.2 0.0 230.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 54.815 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

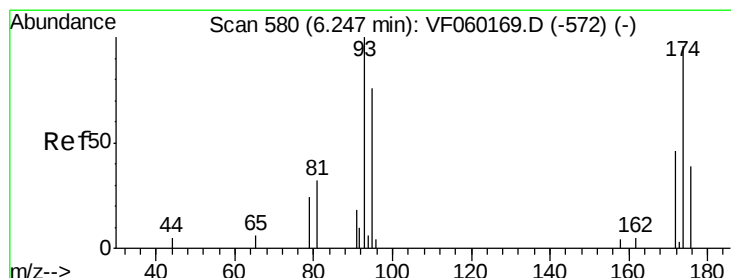
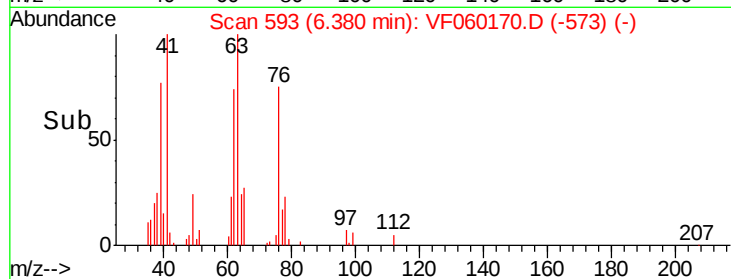
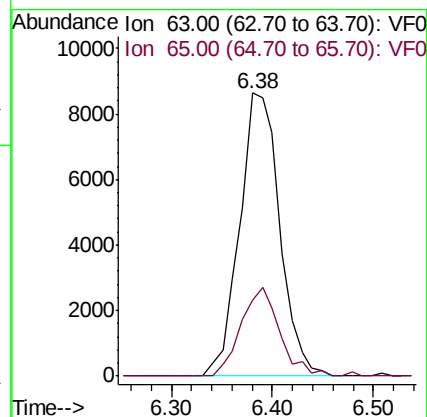
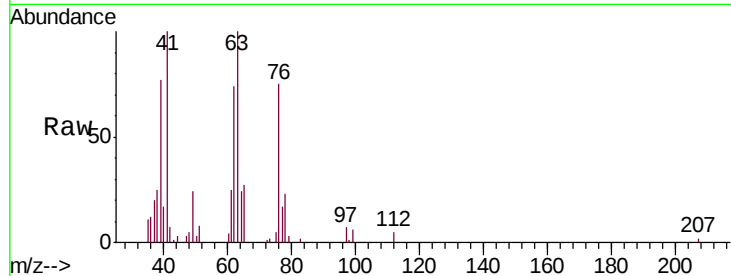
VSTDIC075

Tgt Ion: 63 Resp: 23914

Ion Ratio Lower Upper

63 100

65 26.7 23.6 35.4



#46

Dibromomethane

Concen: 38.492 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

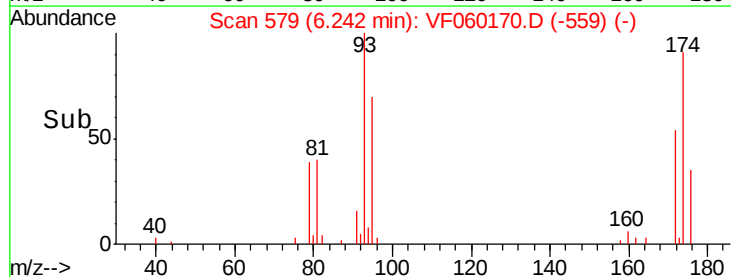
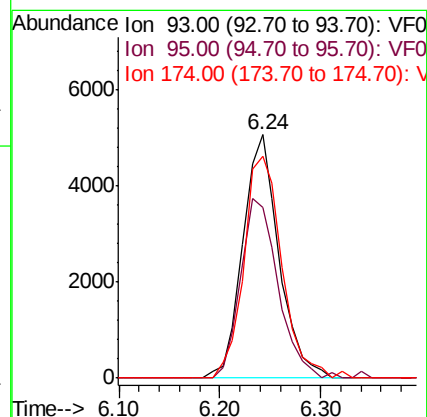
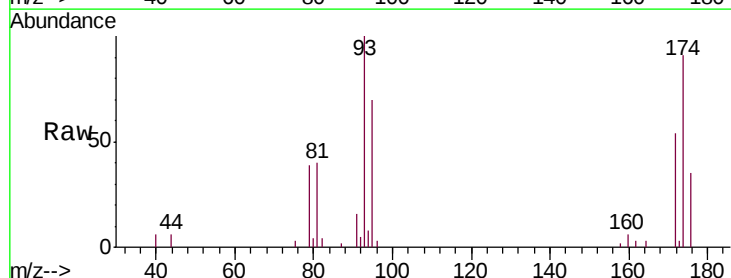
Tgt Ion: 93 Resp: 12714

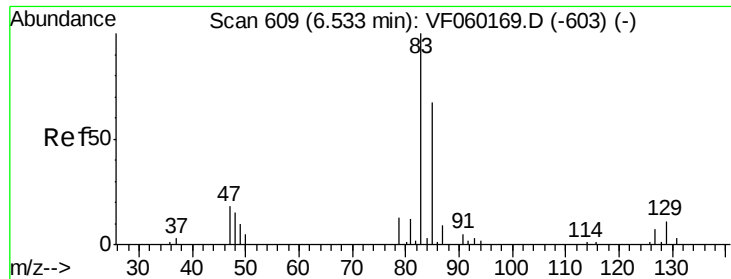
Ion Ratio Lower Upper

93 100

95 69.9 60.8 91.2

174 91.3 76.8 115.2





#47

Bromodichloromethane

Concen: 58.112 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

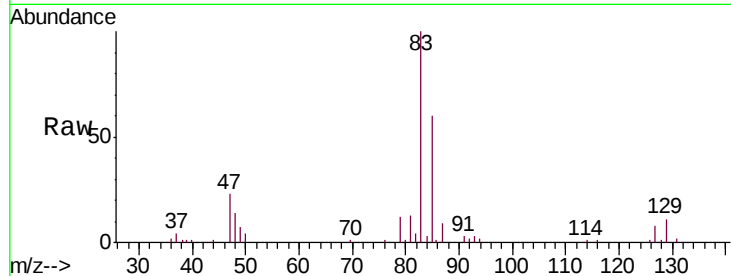
Tgt Ion: 83 Resp: 48272

Ion Ratio Lower Upper

83 100

85 60.5 53.3 79.9

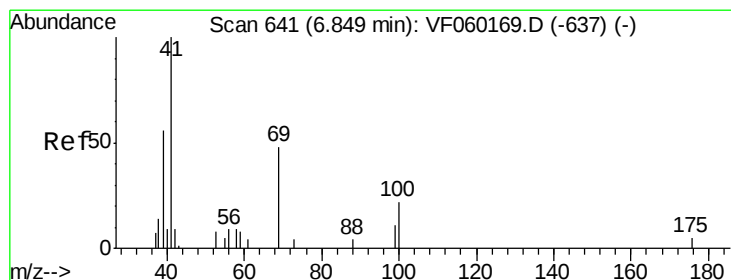
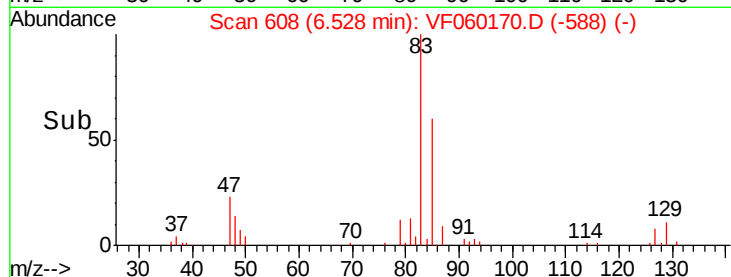
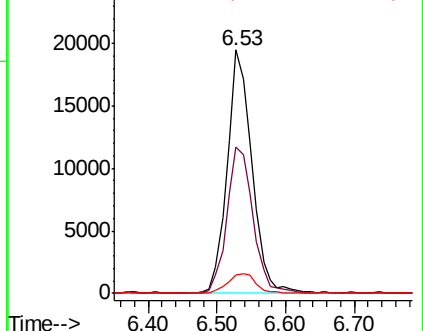
127 7.7 5.7 8.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 28.793 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

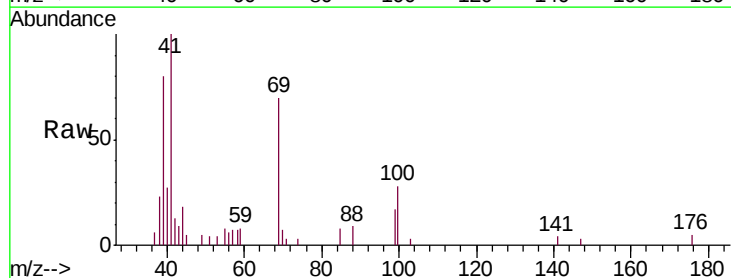
Tgt Ion: 41 Resp: 9485

Ion Ratio Lower Upper

41 100

69 70.1 38.2 57.2#

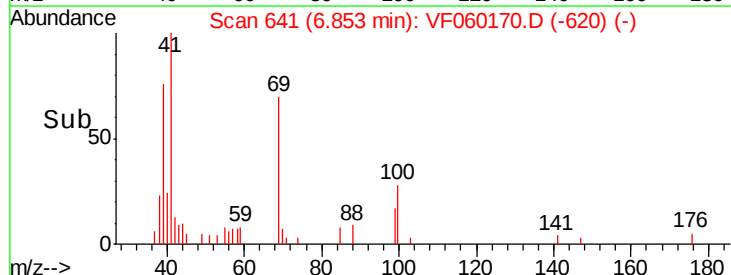
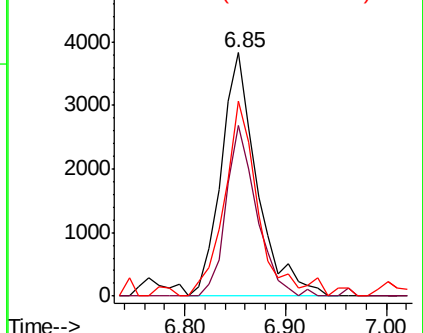
39 80.0 56.2 84.2

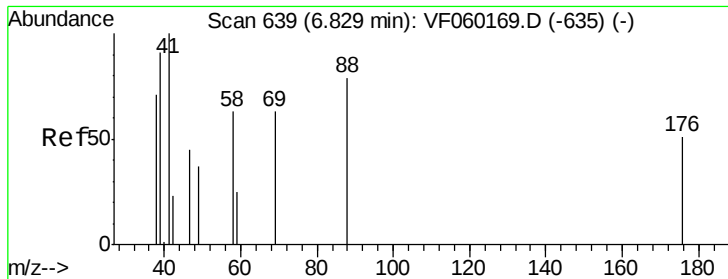


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 418.794 ug/l

RT: 6.84 min Scan# 640

Delta R.T. 0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

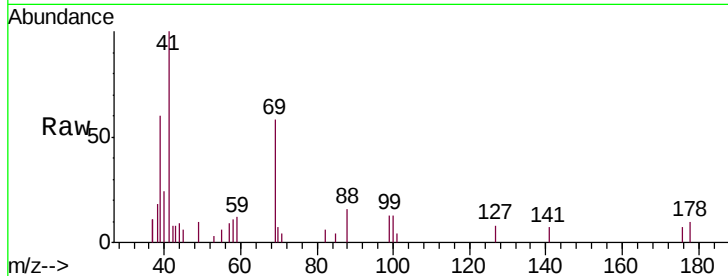
Tgt Ion: 88 Resp: 1306

Ion Ratio Lower Upper

88 100

43 50.5 24.5 36.7#

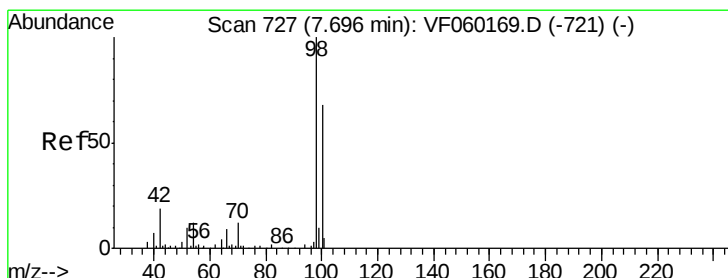
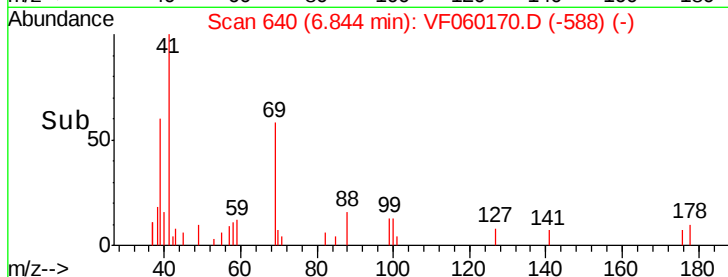
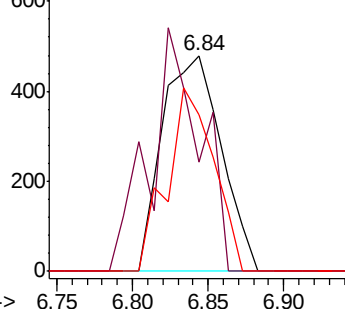
58 72.7 63.8 95.8



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: 73.326 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060170.D

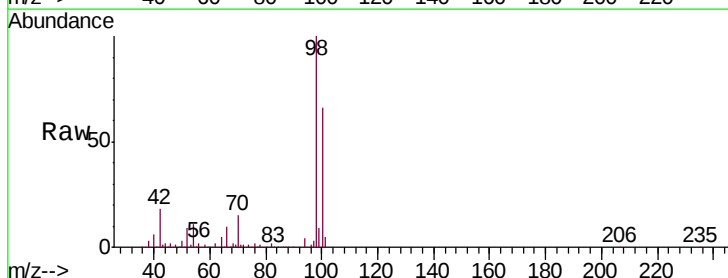
Acq: 29 Aug 2018 1:54

Tgt Ion: 98 Resp: 131131

Ion Ratio Lower Upper

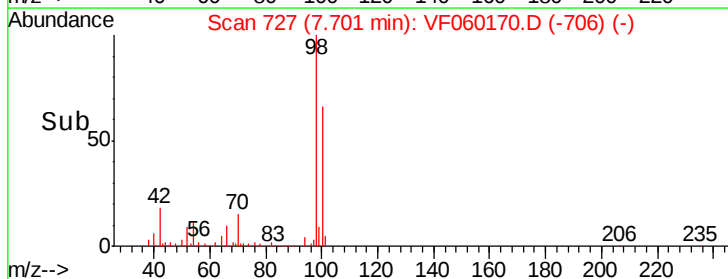
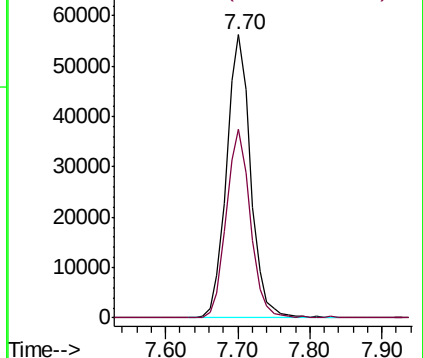
98 100

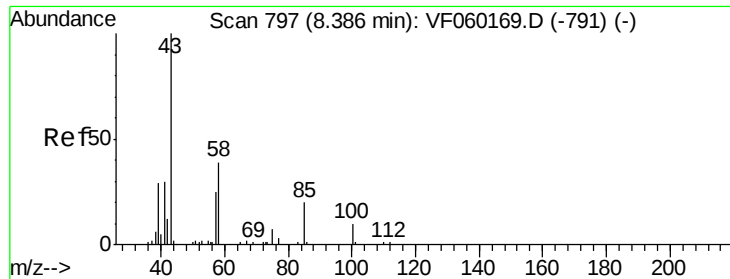
100 66.4 54.5 81.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

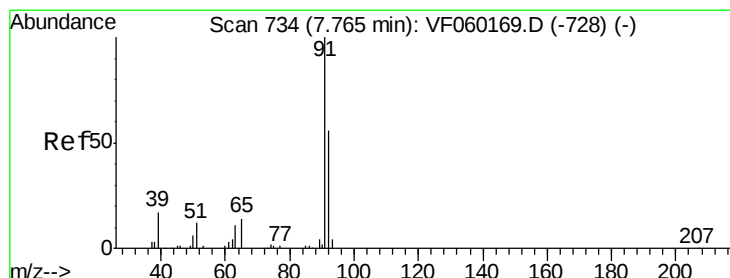
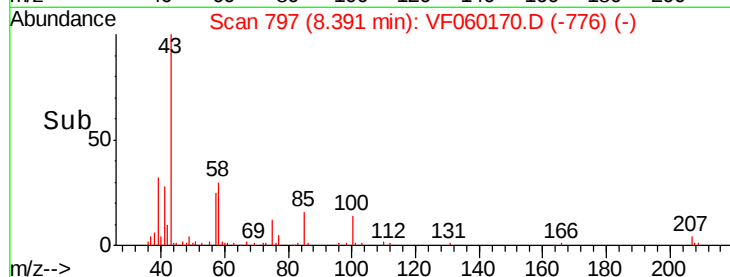
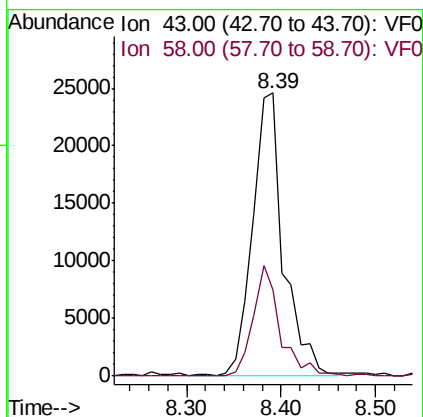
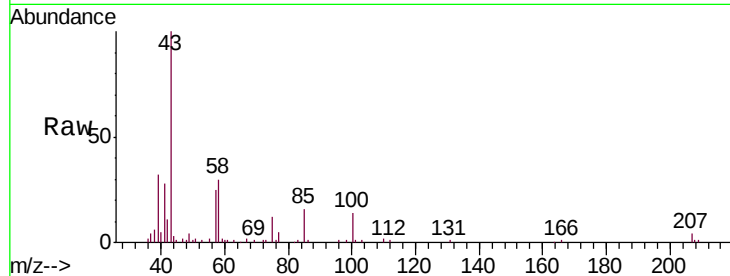




#51
 4-Methyl-2-Pentanone
 Concen: 130.929 ug/l
 RT: 8.39 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

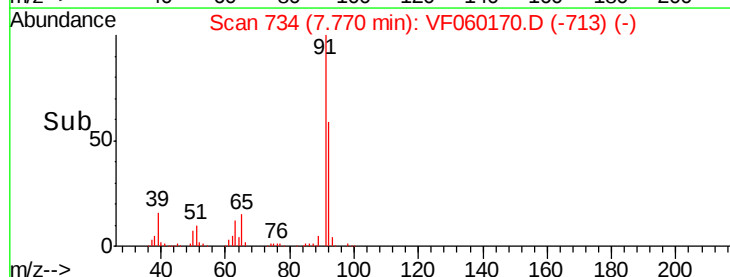
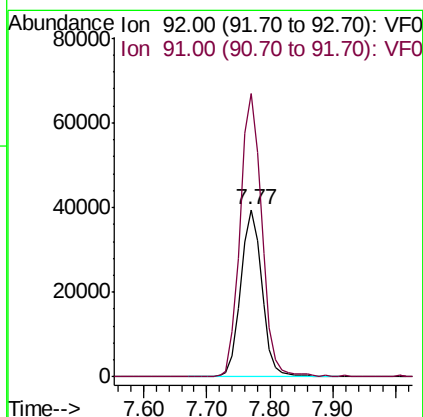
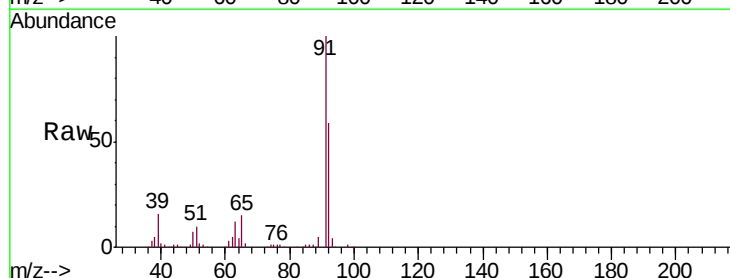
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

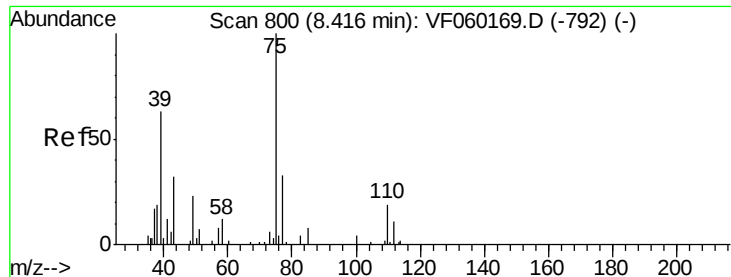
Tgt Ion: 43 Resp: 56235
 Ion Ratio Lower Upper
 43 100
 58 30.5 31.0 46.6#



#52
 Toluene
 Concen: 76.464 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 92 Resp: 91891
 Ion Ratio Lower Upper
 92 100
 91 169.4 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 40.396 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

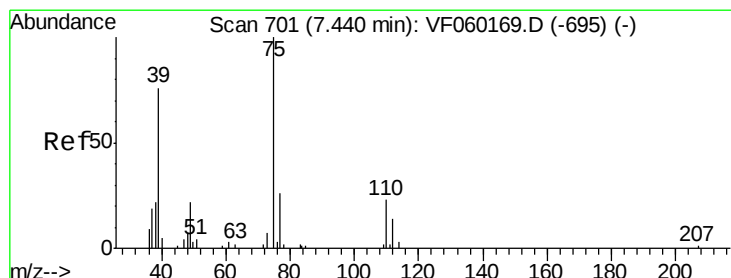
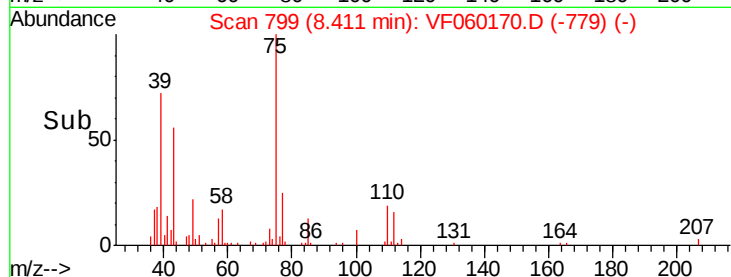
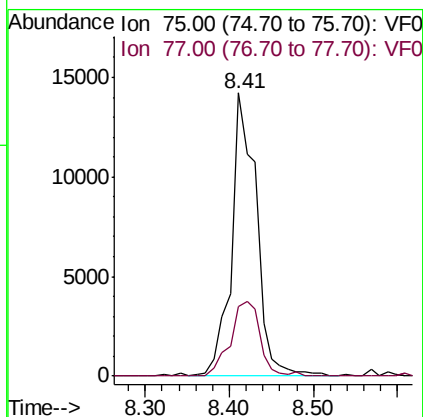
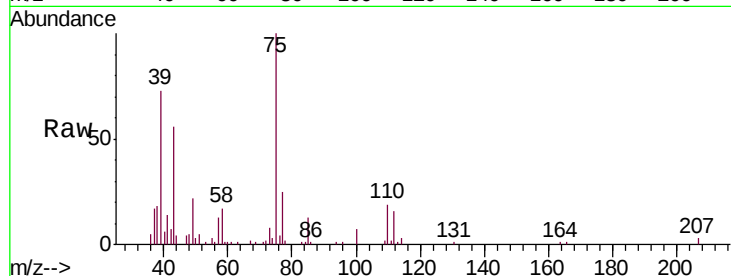
VSTDIC075

Tgt Ion: 75 Resp: 29284

Ion Ratio Lower Upper

75 100

77 24.5 26.4 39.6#



#54

cis-1,3-Dichloropropene

Concen: 46.145 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

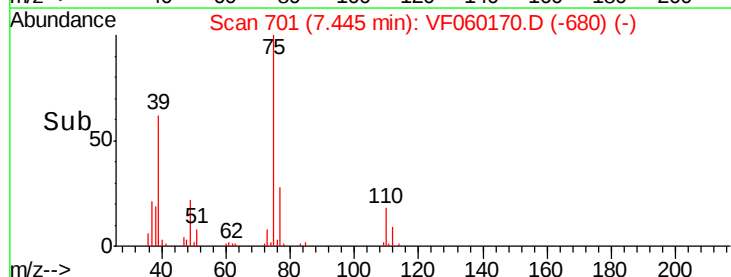
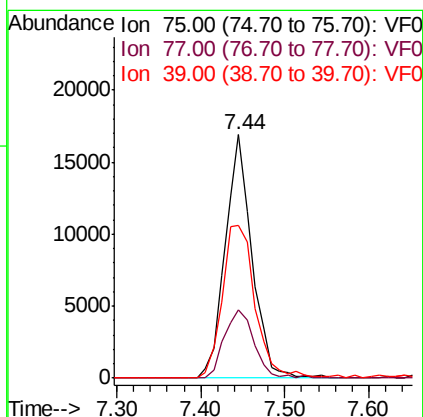
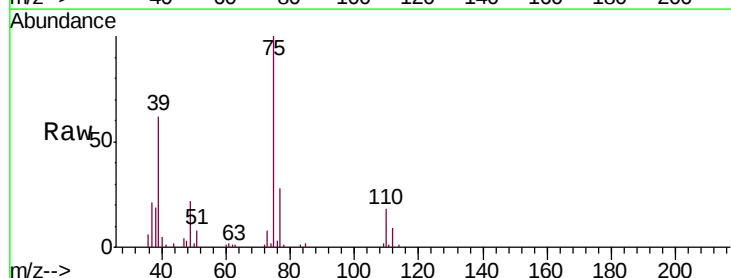
Tgt Ion: 75 Resp: 37246

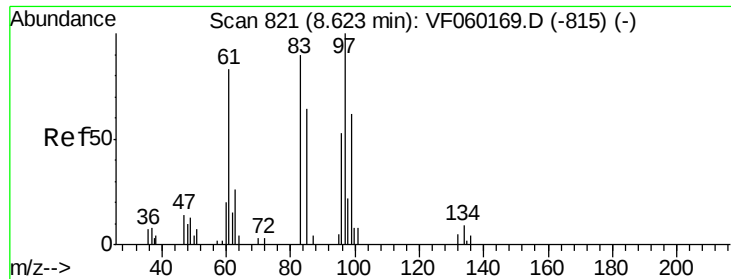
Ion Ratio Lower Upper

75 100

77 27.8 20.7 31.1

39 62.5 60.9 91.3

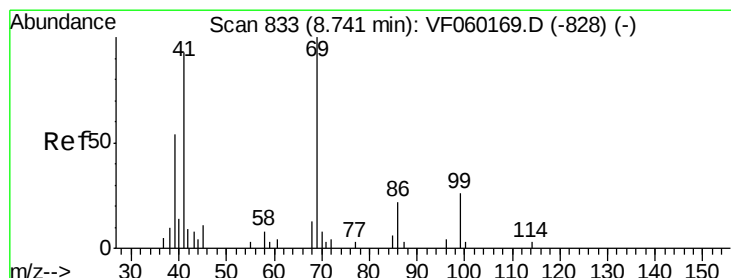
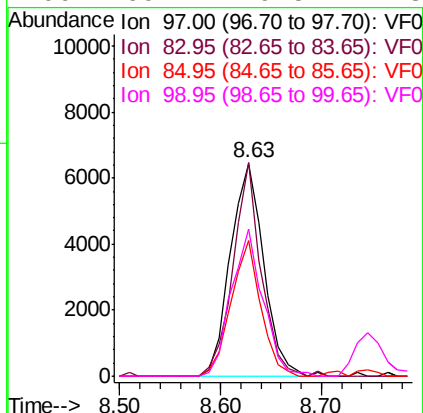
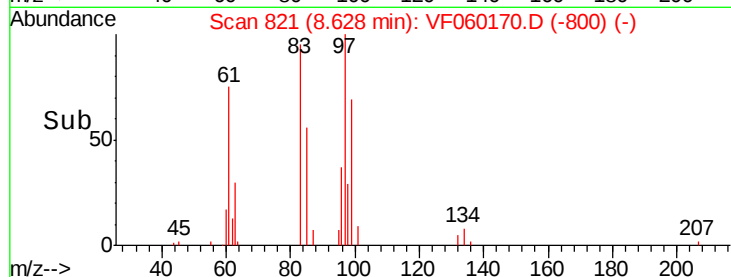
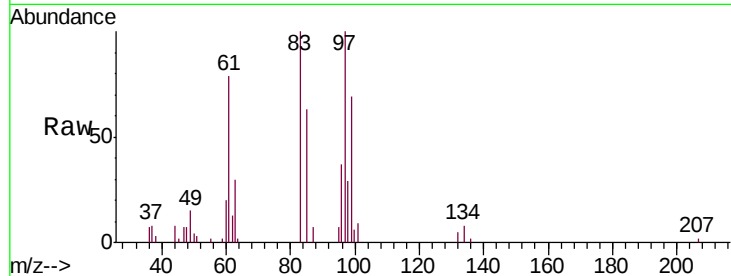




#55
 1,1,2-Trichloroethane
 Concen: 37.349 ug/l
 RT: 8.63 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

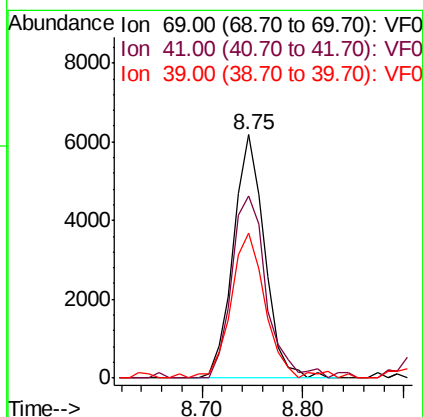
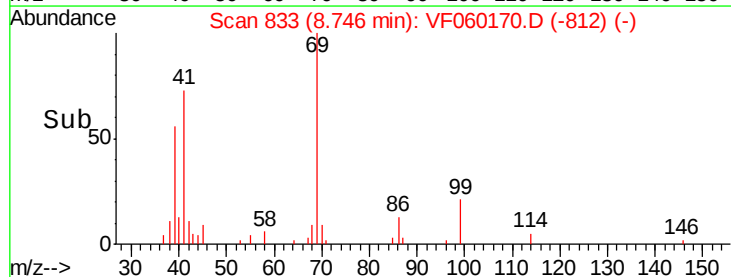
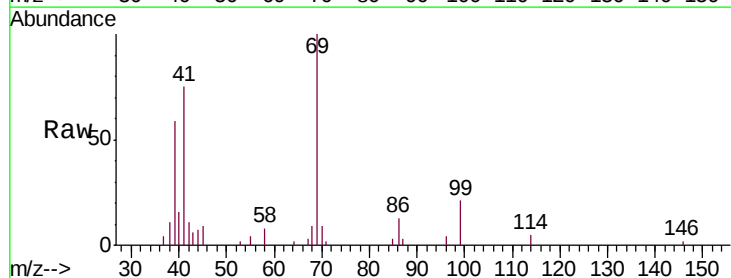
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

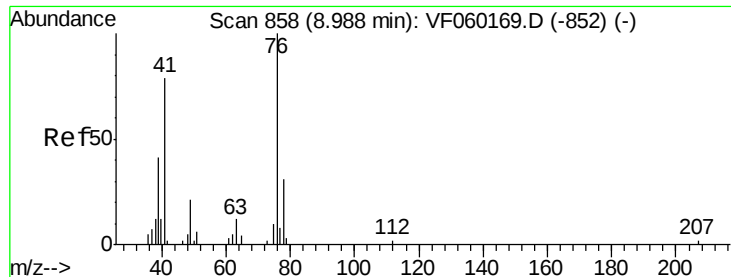
Tgt Ion: 97 Resp: 14794
 Ion Ratio Lower Upper
 97 100
 83 100.3 72.0 108.0
 85 63.7 51.0 76.4
 99 69.1 49.5 74.3



#56
 Ethyl methacrylate
 Concen: 28.393 ug/l
 RT: 8.75 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 69 Resp: 13314
 Ion Ratio Lower Upper
 69 100
 41 74.9 74.6 111.8
 39 59.4 46.2 69.4





#57

1,3-Dichloropropane

Concen: 37.197 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

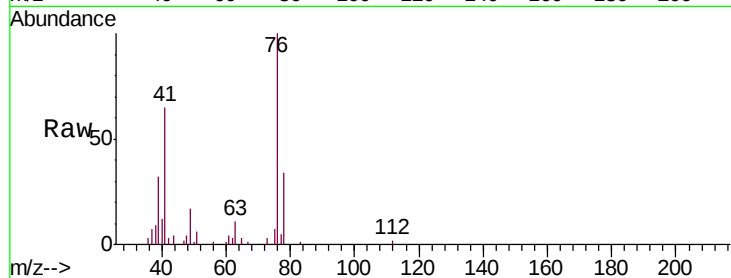
VSTDIC075

Tgt Ion: 76 Resp: 25893

Ion Ratio Lower Upper

76 100

78 34.0 24.6 37.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

12000

10000

8000

6000

4000

2000

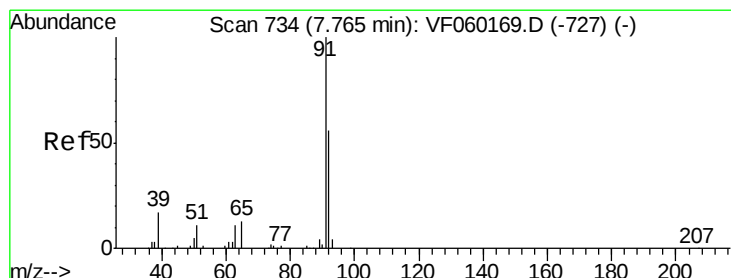
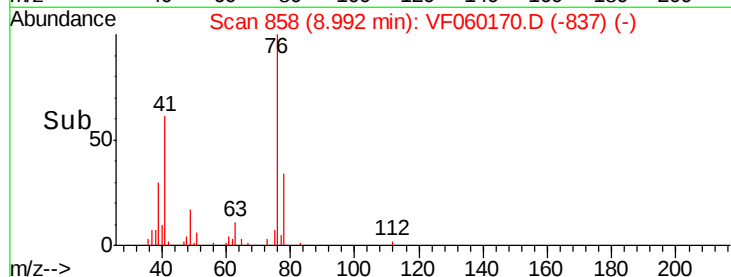
0

8.90

9.00

9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 417.719 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060170.D

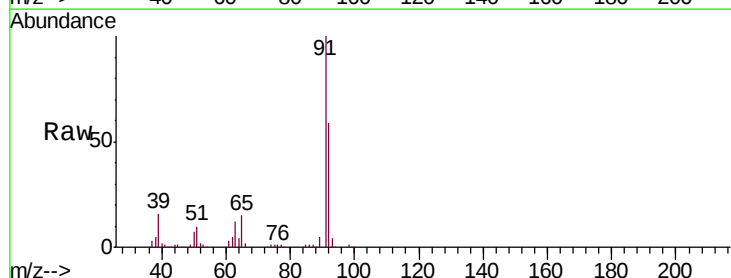
Acq: 29 Aug 2018 1:54

Tgt Ion: 63 Resp: 18382

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

8000

6000

4000

2000

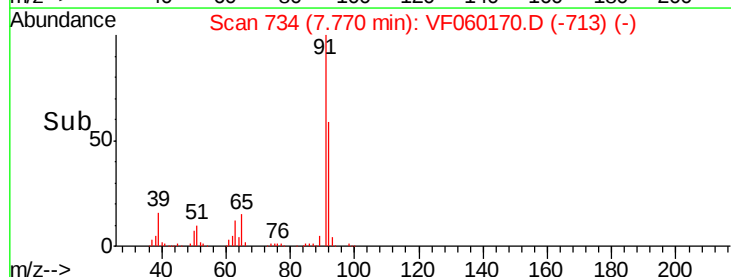
0

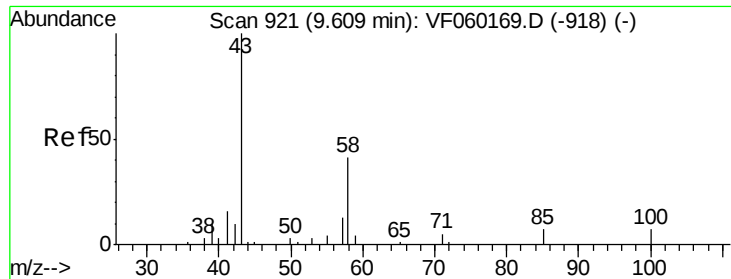
7.70

7.80

7.90

Time-->

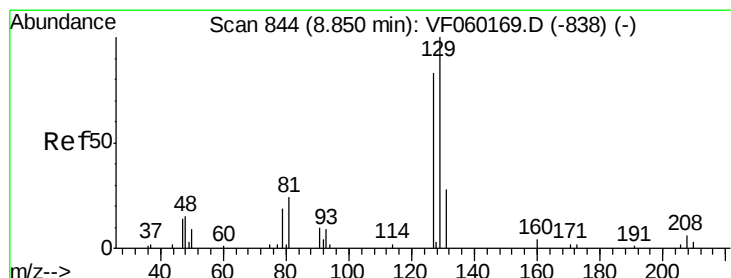
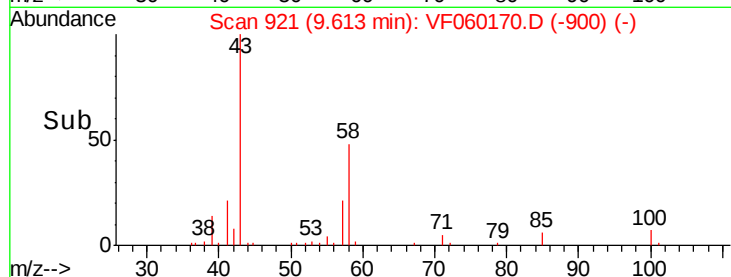
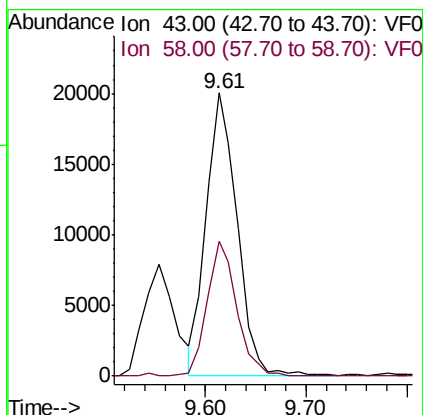
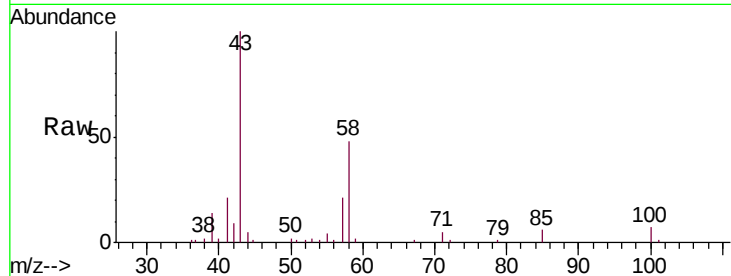




#59
2-Hexanone
Concen: 124.661 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

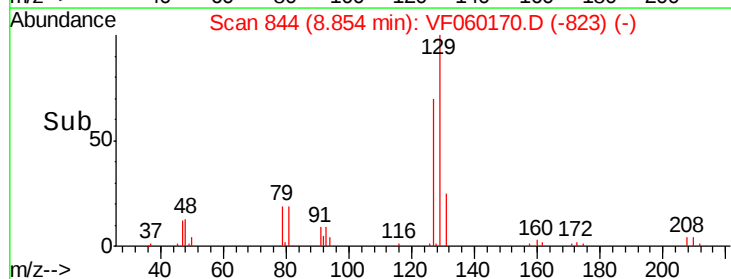
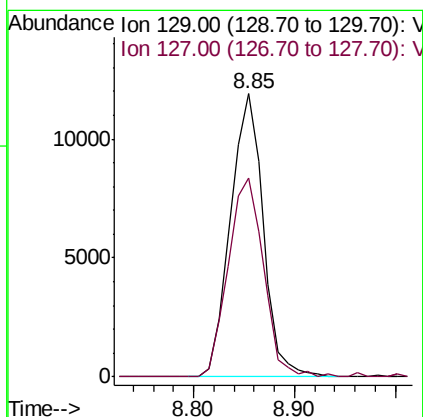
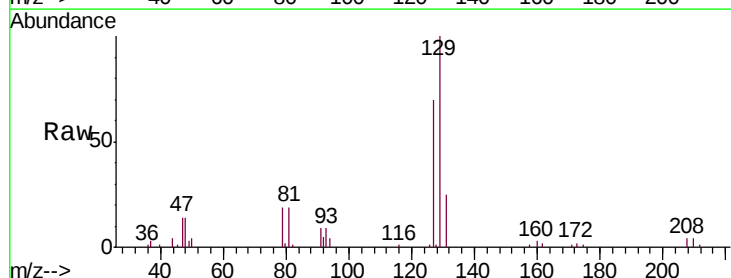
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

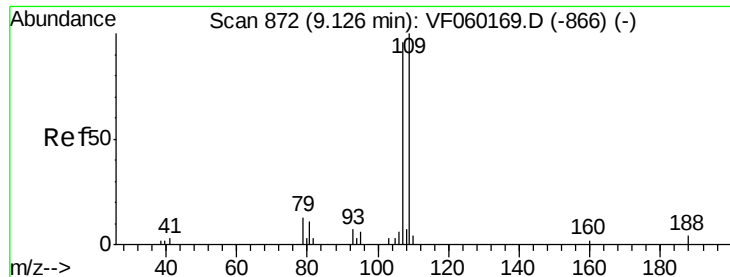
Tgt Ion: 43 Resp: 43051
Ion Ratio Lower Upper
43 100
58 47.5 19.4 58.4



#60
Dibromochloromethane
Concen: 45.048 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion: 129 Resp: 26877
Ion Ratio Lower Upper
129 100
127 71.8 43.2 129.6

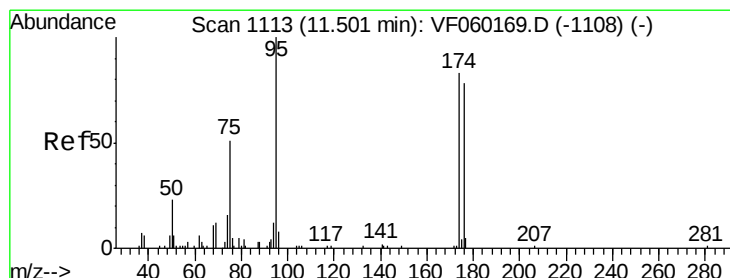
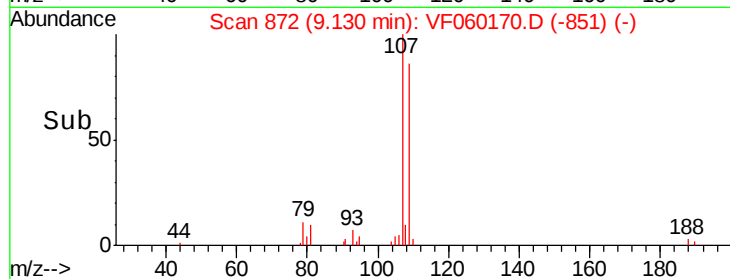
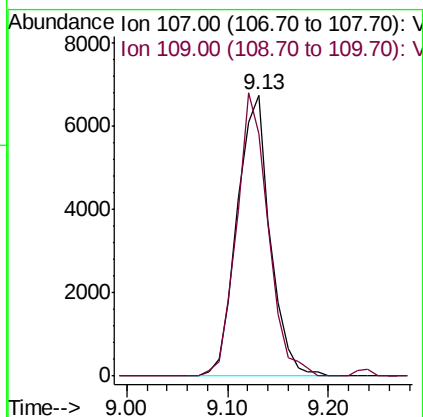
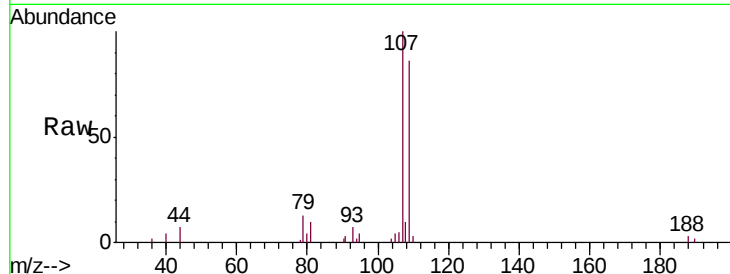




#61
 1,2-Dibromoethane
 Concen: 33.101 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

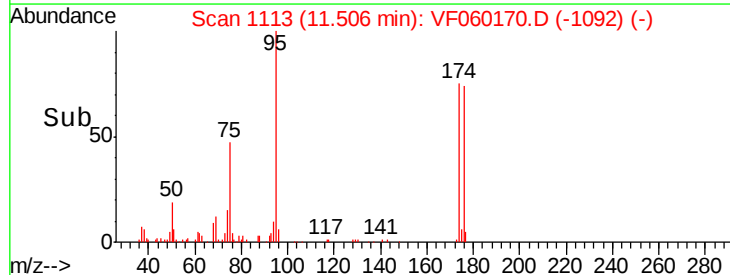
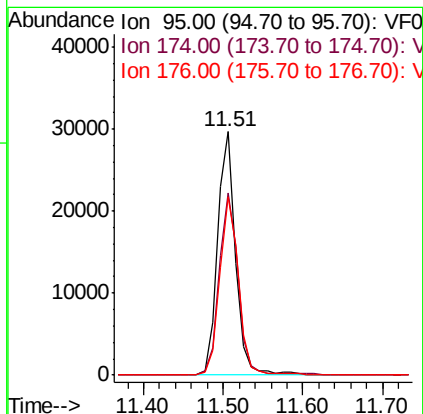
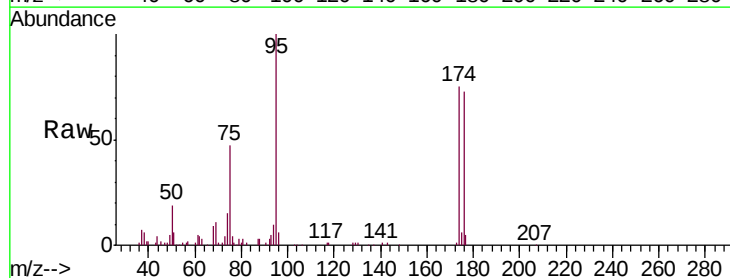
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

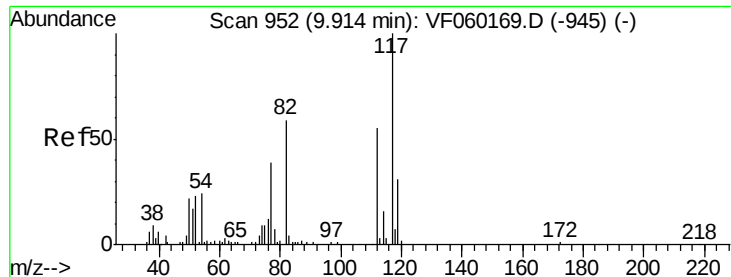
Tgt Ion: 107 Resp: 15359
 Ion Ratio Lower Upper
 107 100
 109 86.3 83.4 125.0



#62
 4-Bromofluorobenzene
 Concen: 53.019 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 95 Resp: 47402
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 165.2
 176 73.2 0.0 156.6

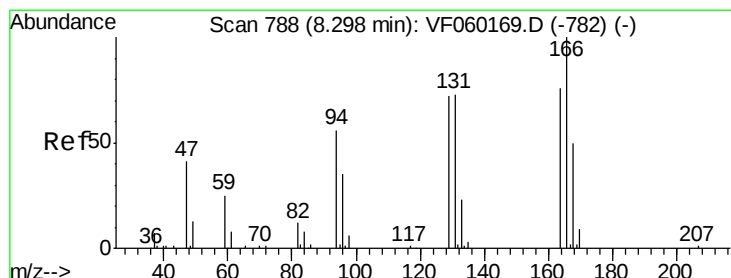
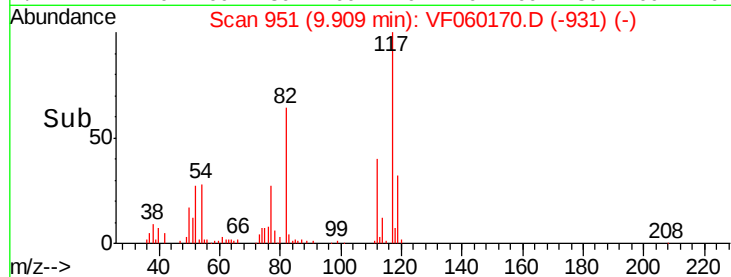
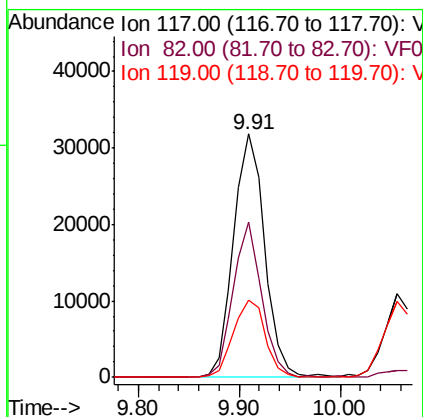
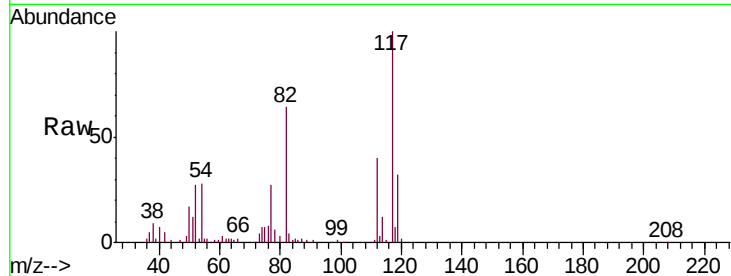




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

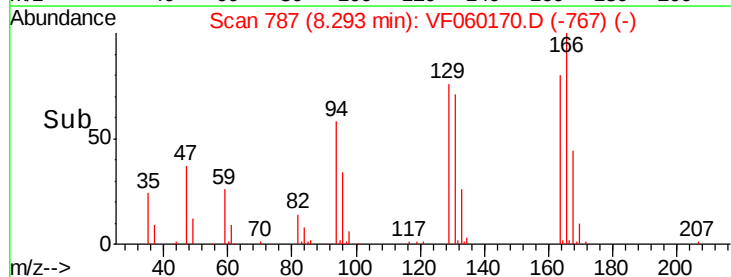
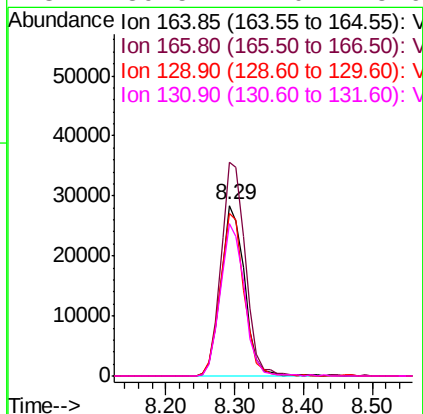
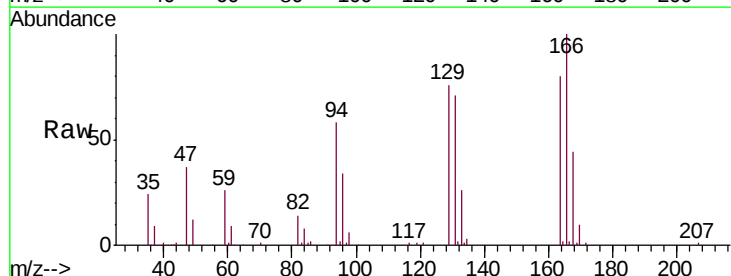
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

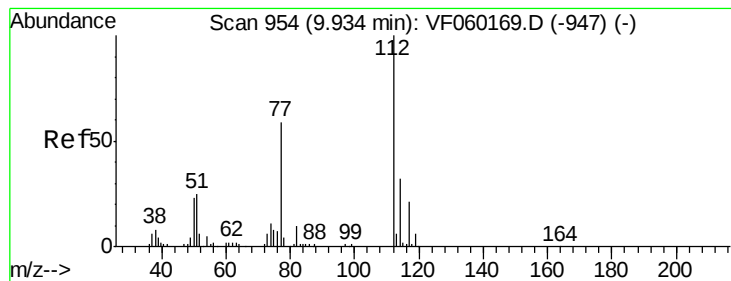
Tgt Ion:117 Resp: 68771
Ion Ratio Lower Upper
117 100
82 63.5 47.2 70.8
119 31.7 25.0 37.4



#64
Tetrachloroethene
Concen: 127.653 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion:164 Resp: 67782
Ion Ratio Lower Upper
164 100
166 125.2 105.2 157.8
129 95.1 76.2 114.2
131 89.5 77.0 115.6





#65

Chlorobenzene

Concen: 79.689 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

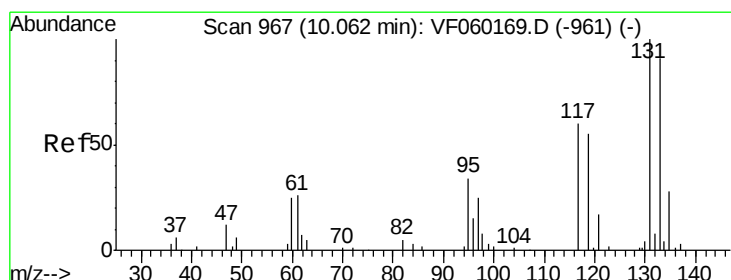
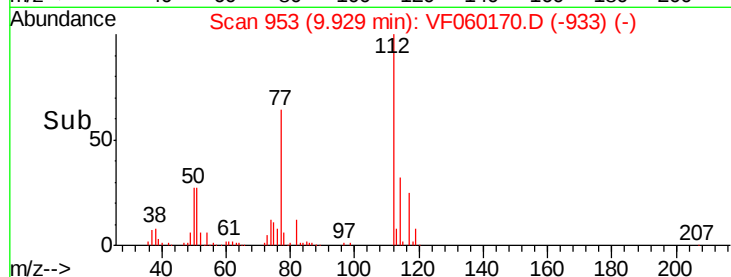
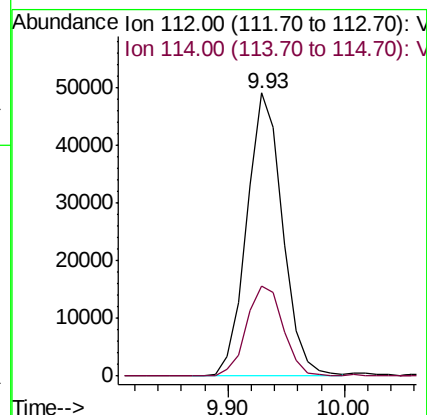
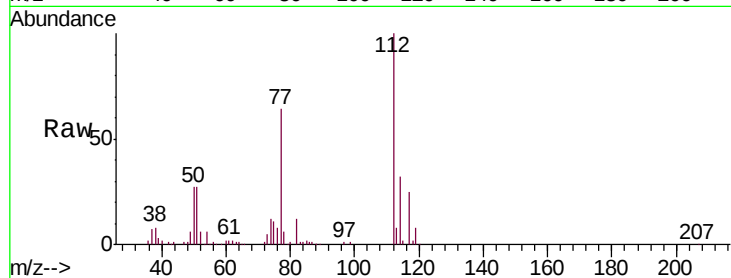
VSTDIC075

Tgt Ion:112 Resp: 104772

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 71.755 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

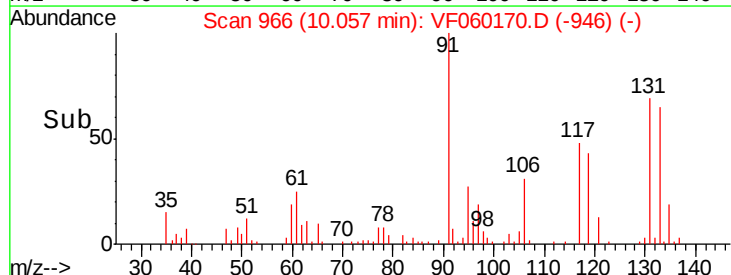
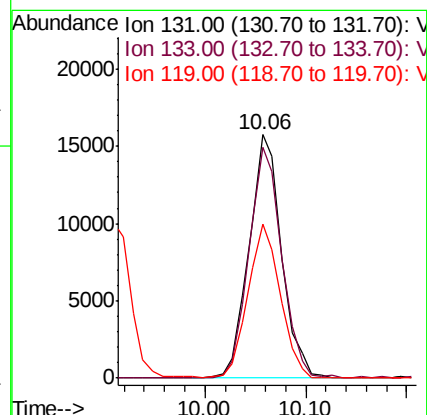
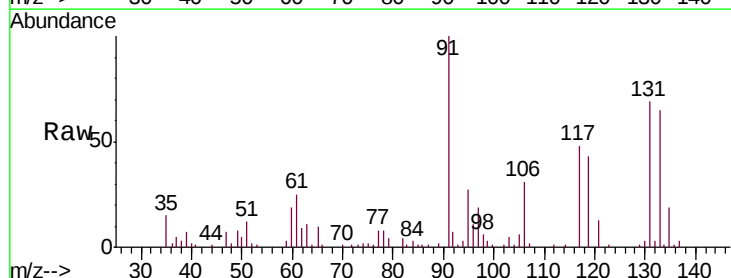
Tgt Ion:131 Resp: 35390

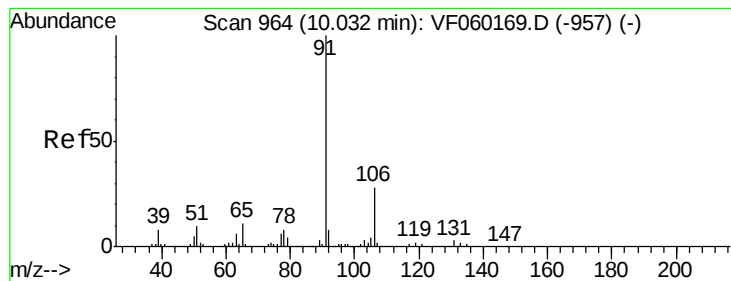
Ion Ratio Lower Upper

131 100

133 94.6 45.7 137.1

119 63.2 28.1 84.3





#67

Ethyl Benzene

Concen: 98.185 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

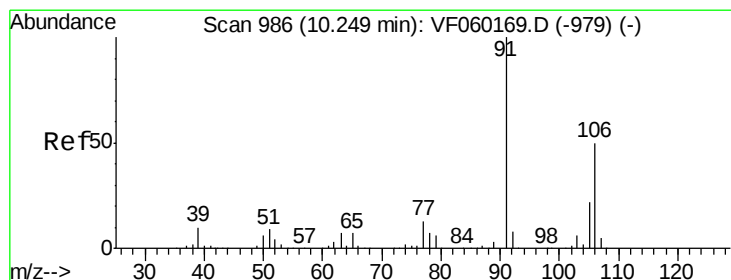
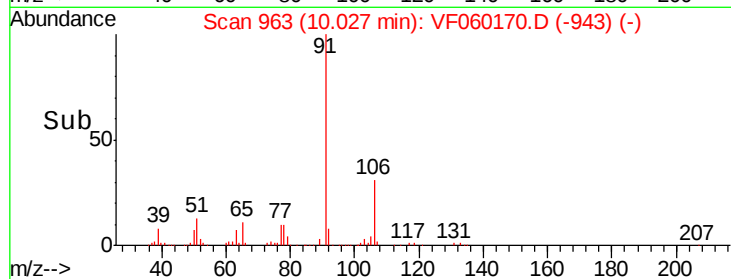
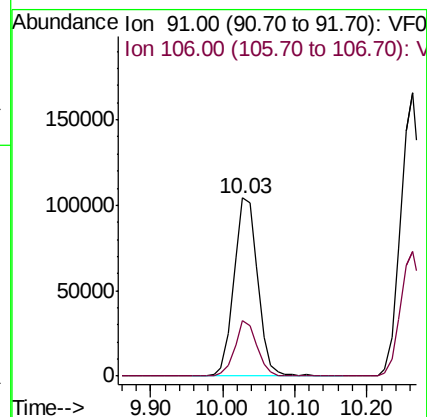
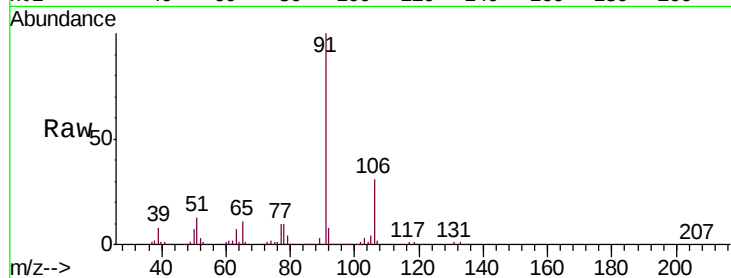
VSTDIC075

Tgt Ion: 91 Resp: 239750

Ion Ratio Lower Upper

91 100

106 30.9 22.8 34.2



#68

m/p-Xylenes

Concen: 175.476 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF060170.D

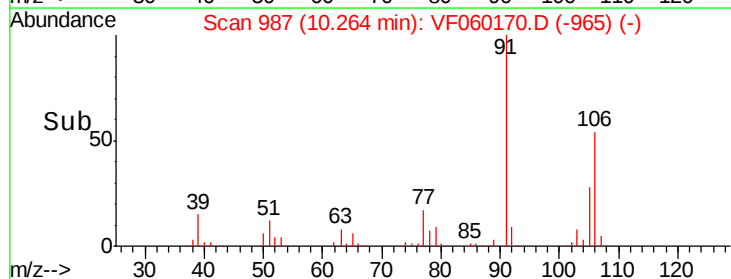
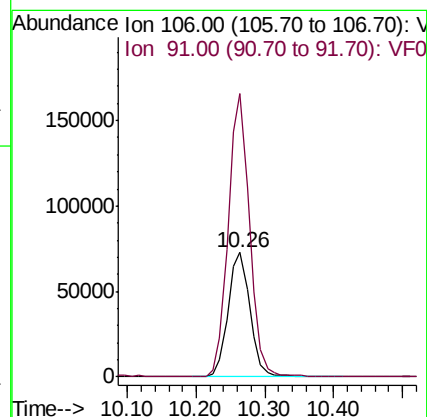
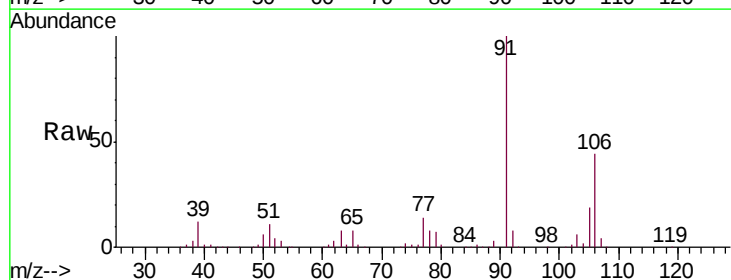
Acq: 29 Aug 2018 1:54

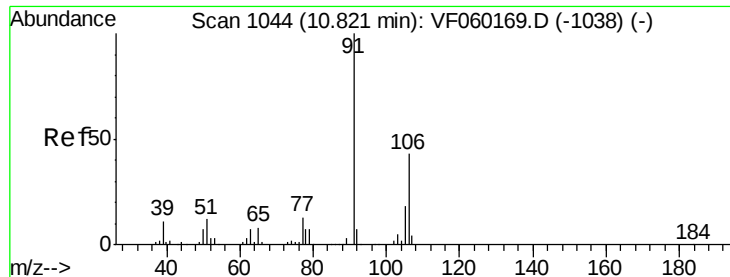
Tgt Ion: 106 Resp: 160232

Ion Ratio Lower Upper

106 100

91 227.9 161.3 241.9

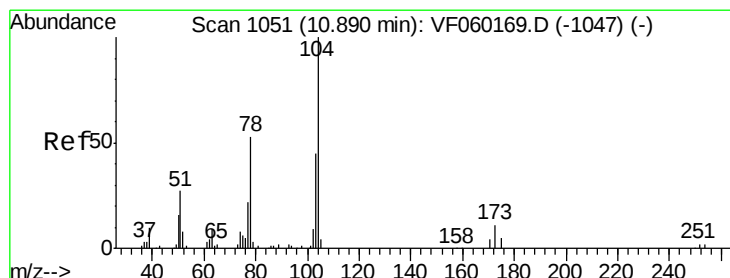
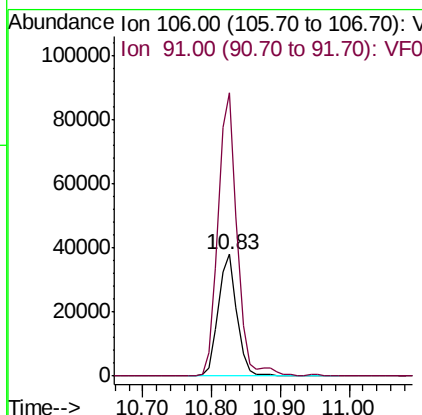
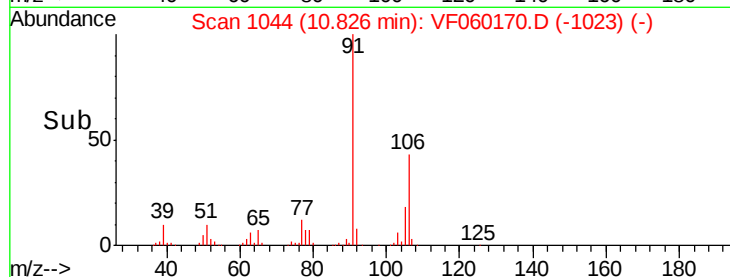
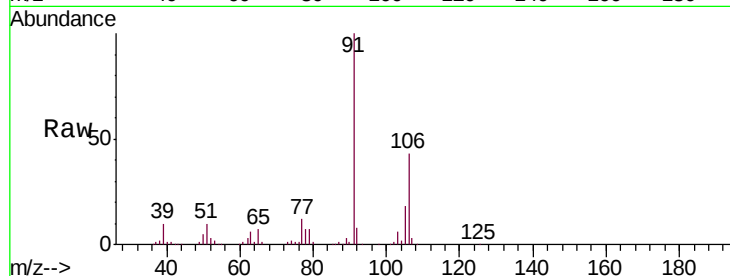




#69
o-Xylene
Concen: 80.107 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

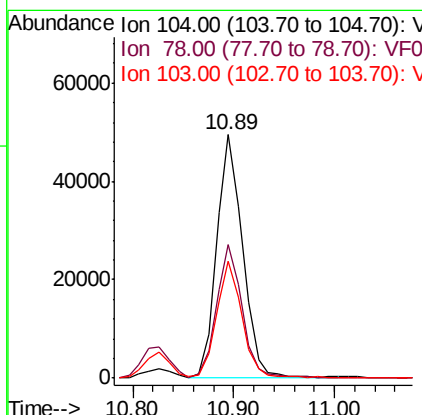
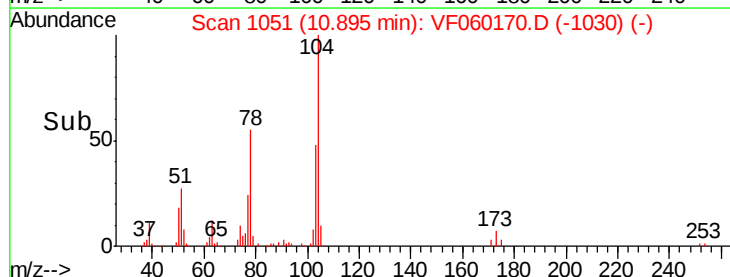
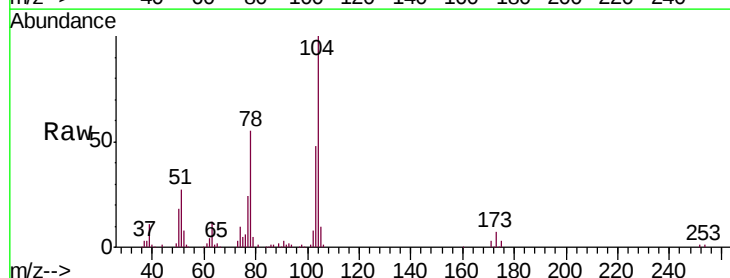
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

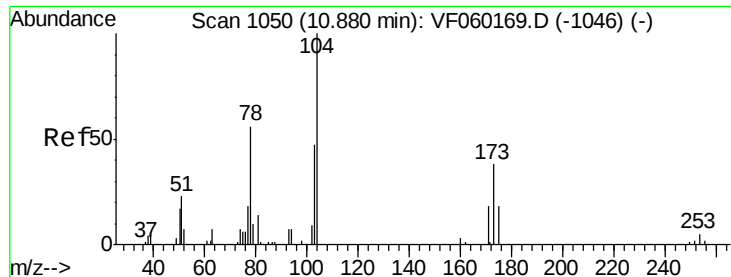
Tgt Ion:106 Resp: 71341
Ion Ratio Lower Upper
106 100
91 232.7 117.0 350.8



#70
Styrene
Concen: 66.529 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion:104 Resp: 88320
Ion Ratio Lower Upper
104 100
78 54.7 42.6 64.0
103 47.9 36.8 55.2





#71

Bromoform

Concen: 39.141 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

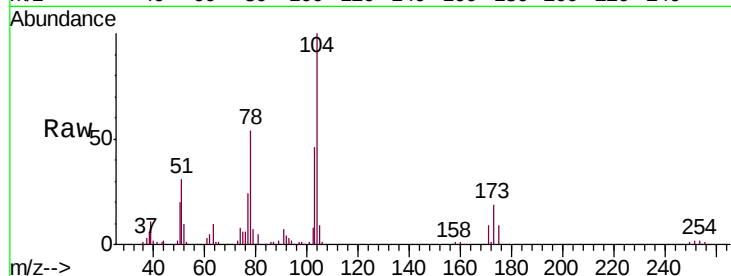
Tgt Ion:173 Resp: 12401

Ion Ratio Lower Upper

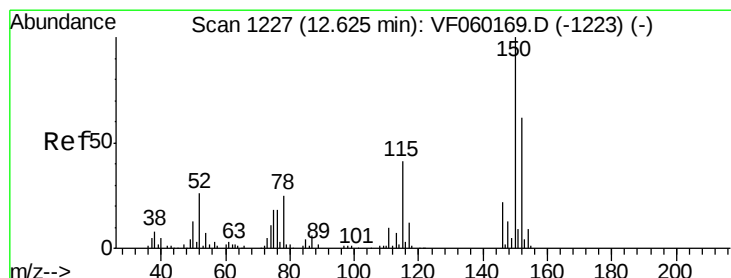
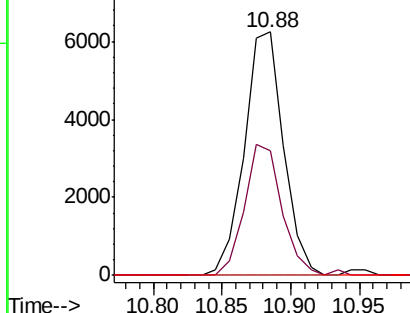
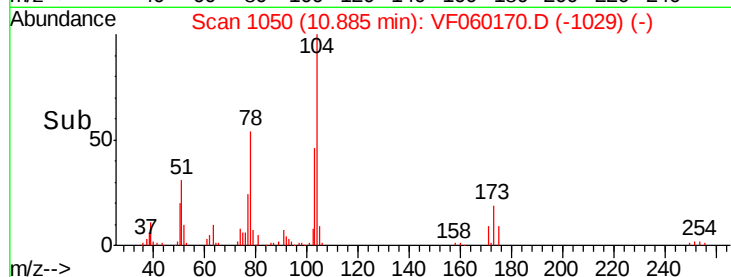
173 100

175 51.1 23.8 71.2

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

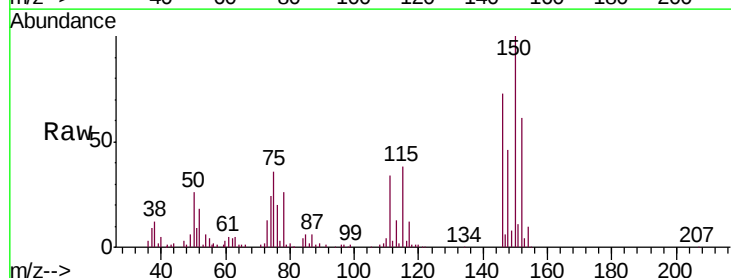
Tgt Ion:152 Resp: 32495

Ion Ratio Lower Upper

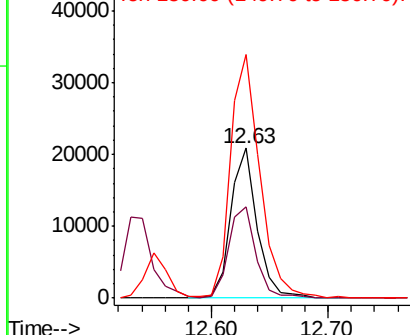
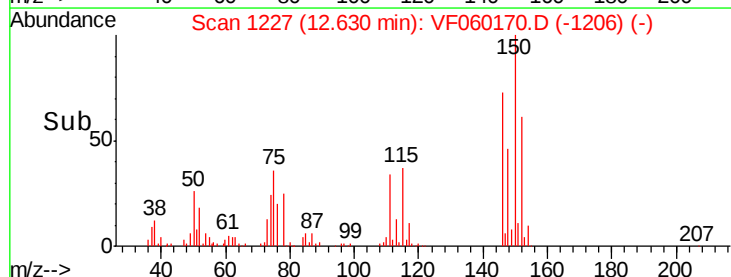
152 100

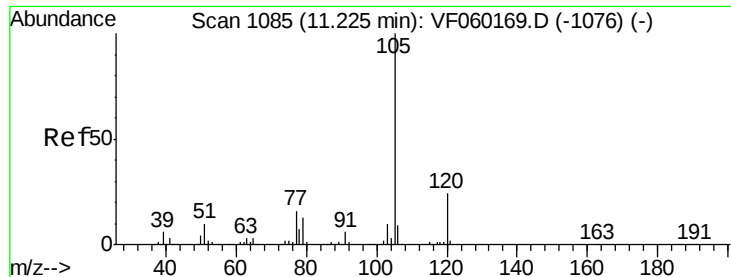
115 61.1 33.2 99.6

150 162.6 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: 130.453 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

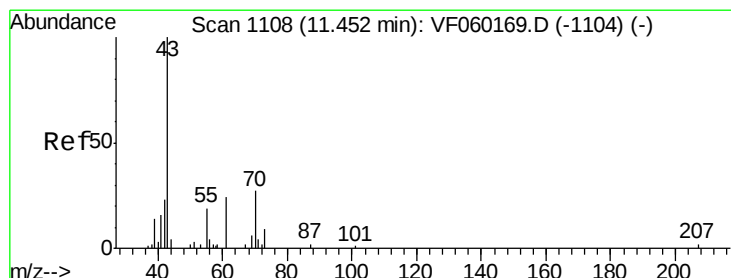
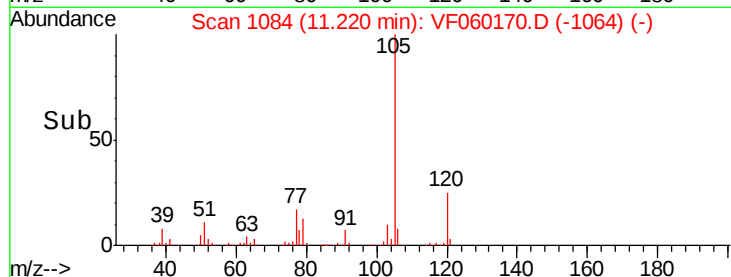
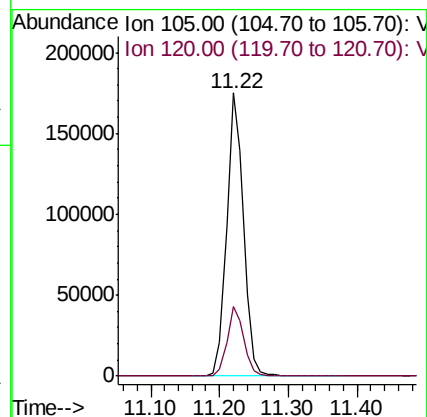
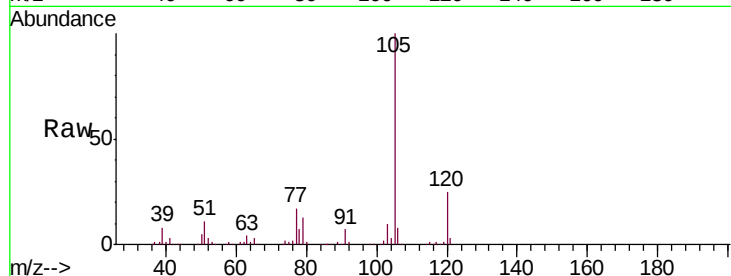
VSTDIC075

Tgt Ion:105 Resp: 294907

Ion Ratio Lower Upper

105 100

120 24.7 12.0 36.1



#74

N-ethyl acetate

Concen: 36.555 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Tgt Ion: 43 Resp: 19735

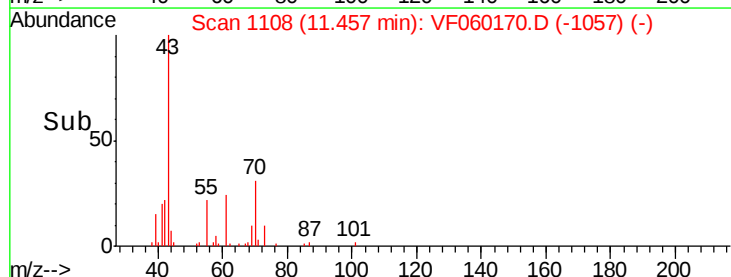
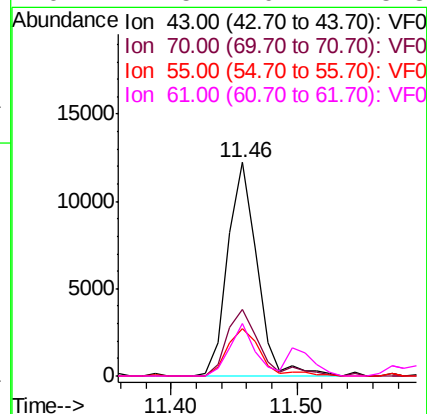
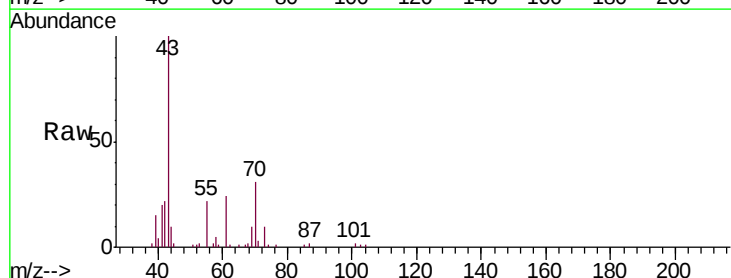
Ion Ratio Lower Upper

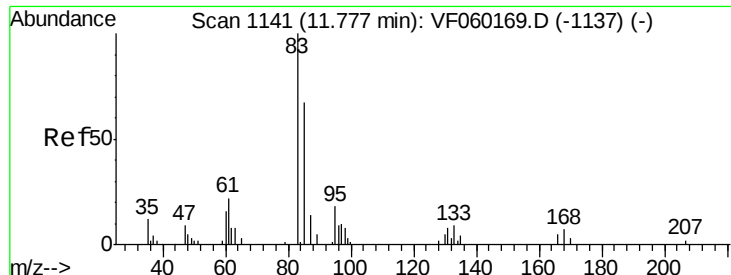
43 100

70 31.0 22.0 33.0

55 22.4 15.2 22.8

61 24.5 19.2 28.8

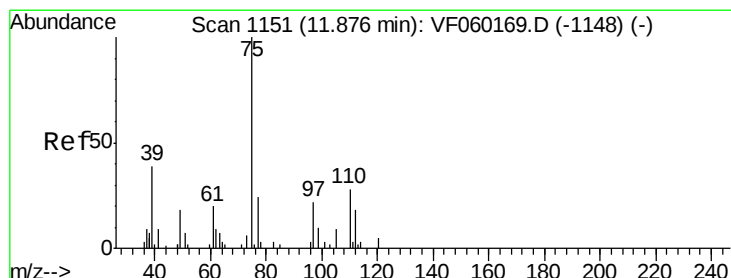
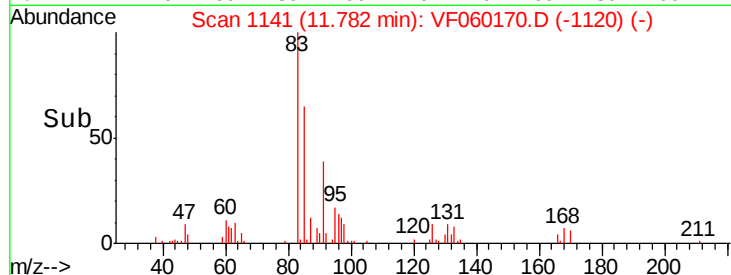
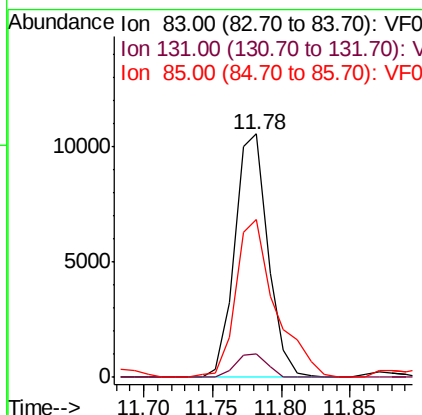
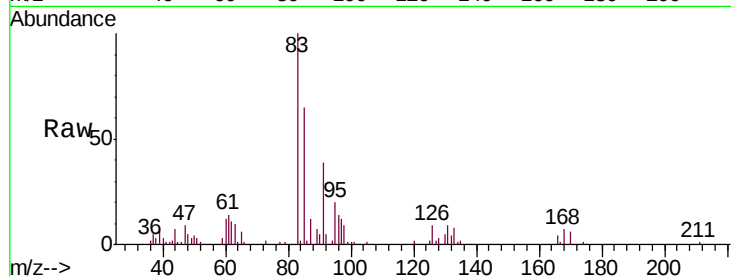




#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.641 ug/l
 RT: 11.78 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

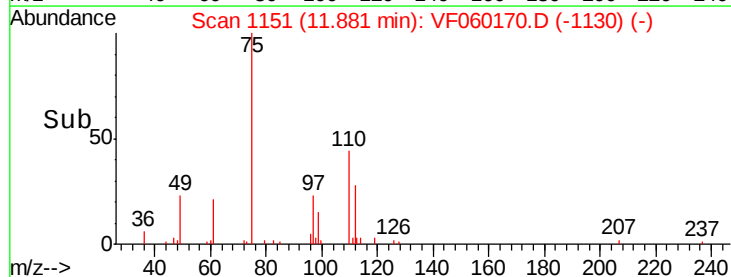
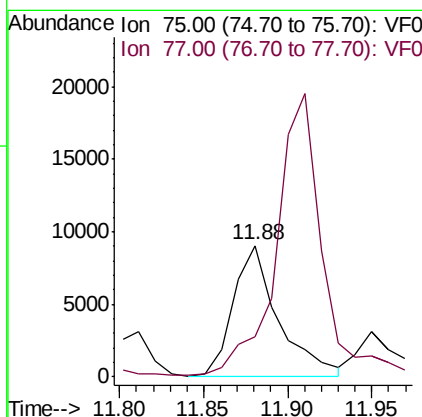
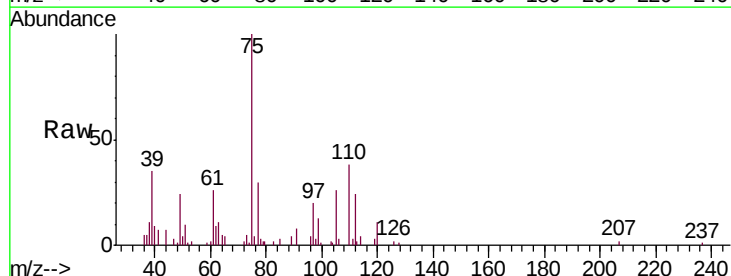
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

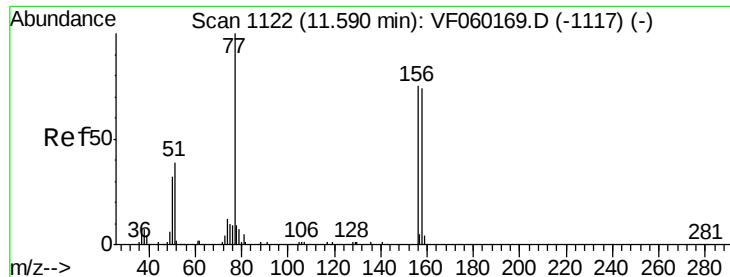
Tgt Ion: 83 Resp: 17848
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.0 12.0
 85 64.6 34.9 104.7



#76
 1,2,3-Trichloropropane
 Concen: 54.496 ug/l
 RT: 11.88 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 75 Resp: 16937
 Ion Ratio Lower Upper
 75 100
 77 30.5 12.8 38.3





#77

Bromobenzene

Concen: 75.475 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

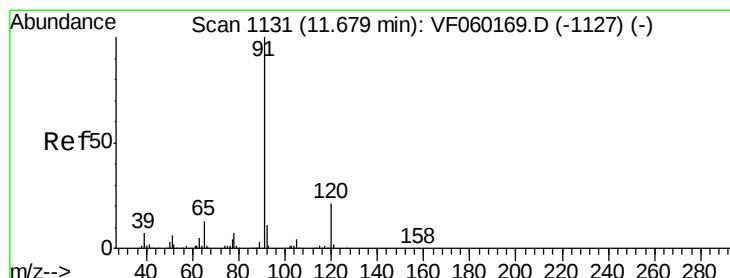
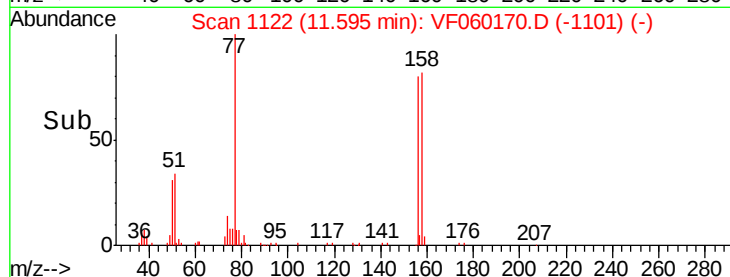
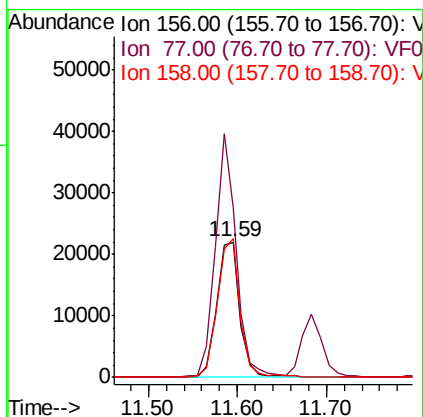
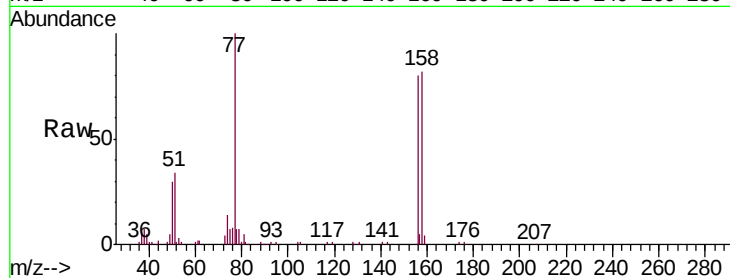
Tgt Ion:156 Resp: 39980

Ion Ratio Lower Upper

156 100

77 125.2 66.8 200.6

158 102.4 49.7 149.1



#78

n-propylbenzene

Concen: 123.542 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060170.D

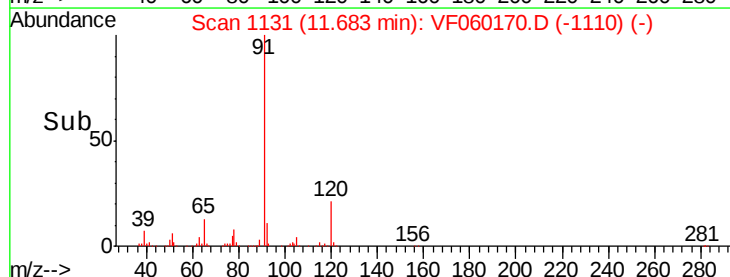
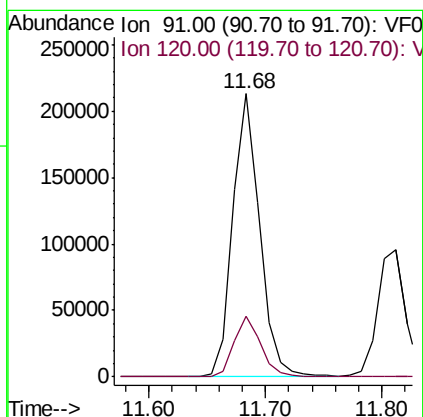
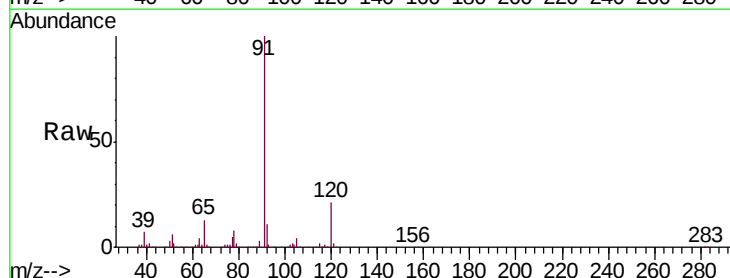
Acq: 29 Aug 2018 1:54

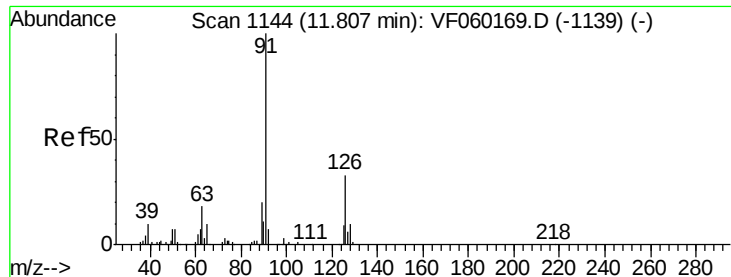
Tgt Ion: 91 Resp: 341243

Ion Ratio Lower Upper

91 100

120 21.2 10.8 32.3

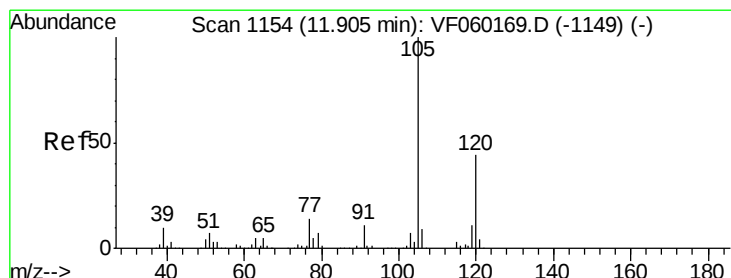
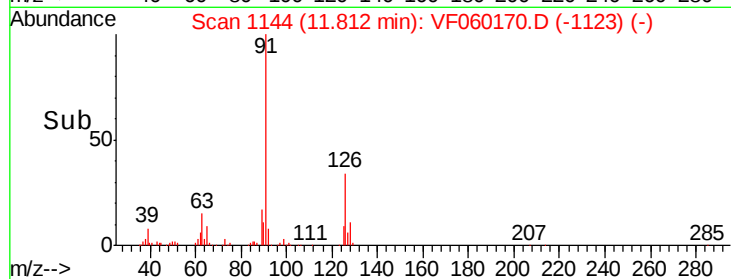
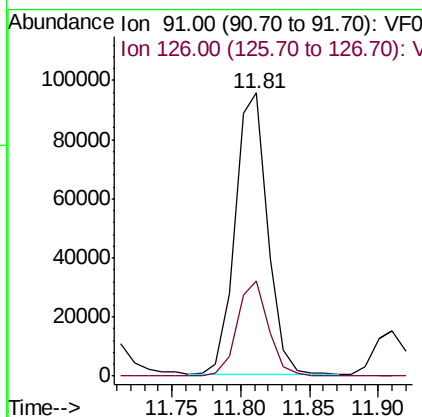
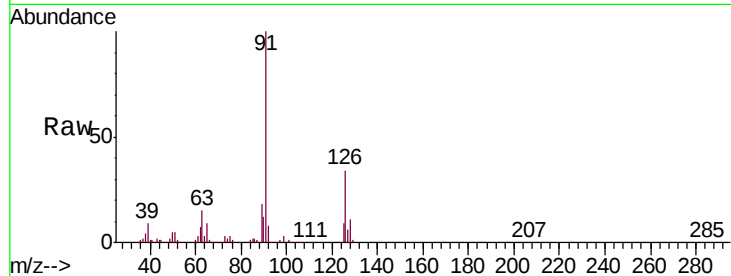




#79
 2-Chlorotoluene
 Concen: 102.436 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

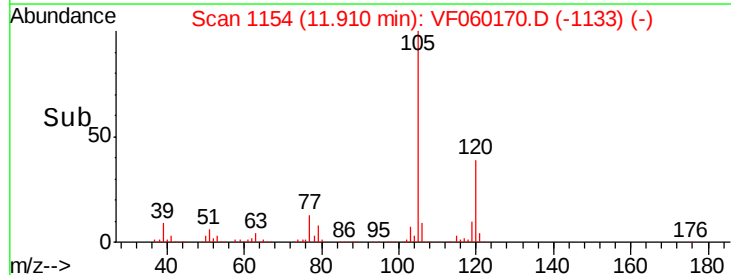
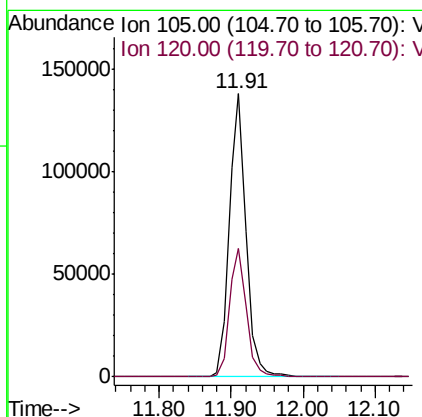
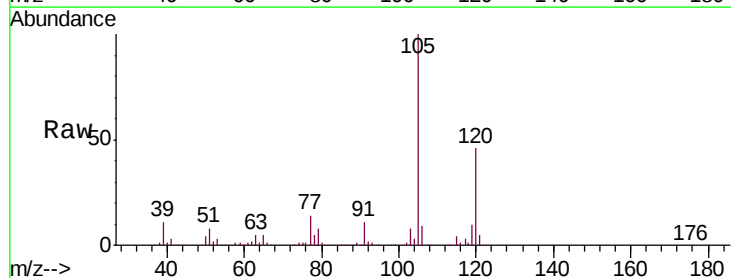
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

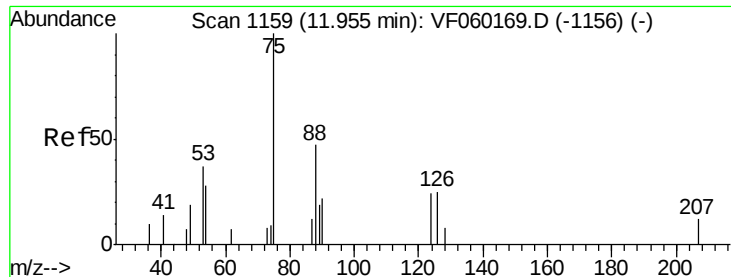
Tgt Ion: 91 Resp: 156526
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 117.584 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 105 Resp: 221951
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 34.660 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

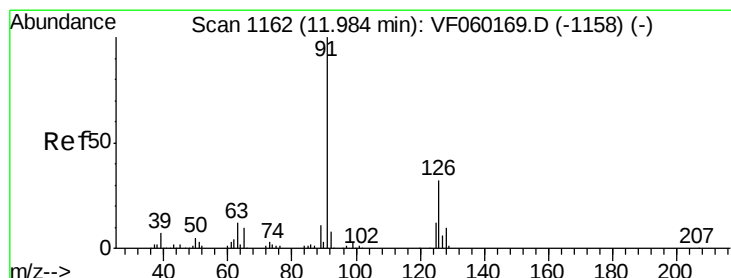
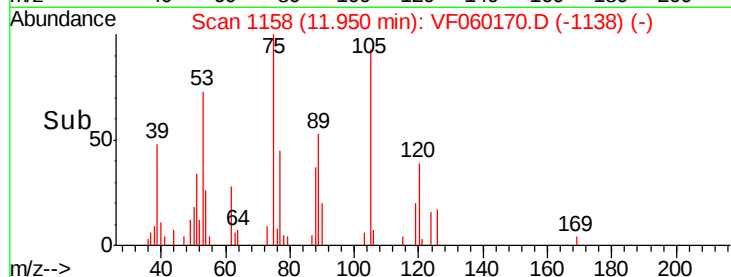
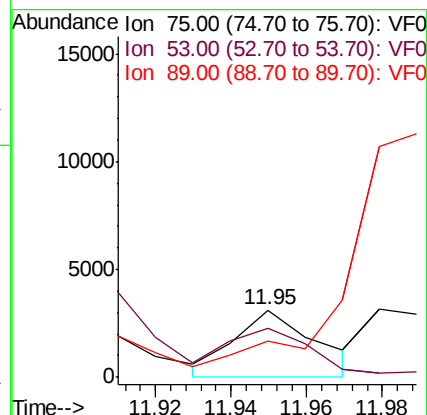
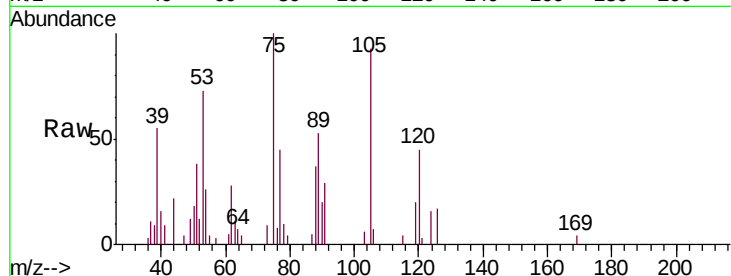
Tgt Ion: 75 Resp: 4630

Ion Ratio Lower Upper

75 100

53 72.9 53.4 80.0

89 53.1 28.9 43.3#



#82

4-Chlorotoluene

Concen: 93.701 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF060170.D

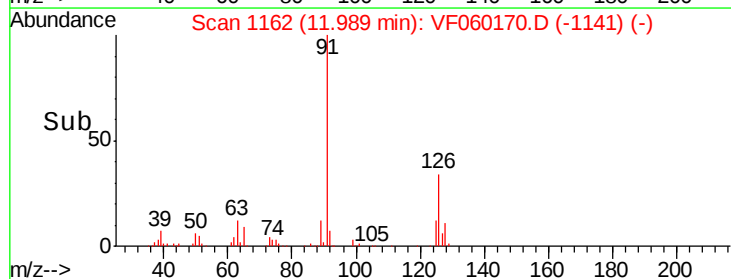
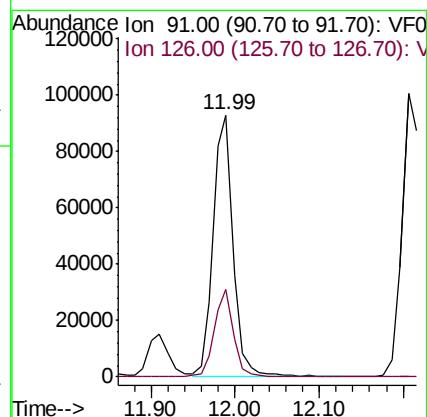
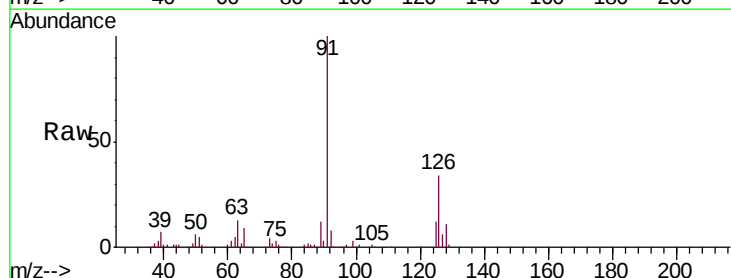
Acq: 29 Aug 2018 1:54

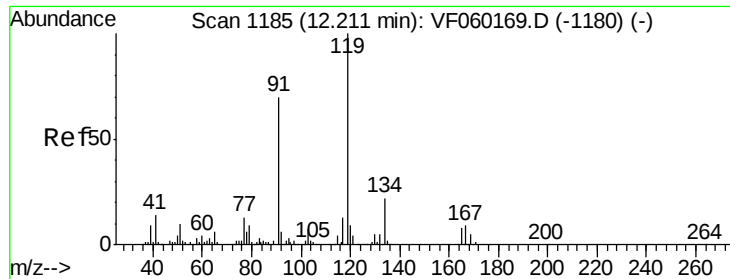
Tgt Ion: 91 Resp: 151769

Ion Ratio Lower Upper

91 100

126 33.7 16.1 48.2

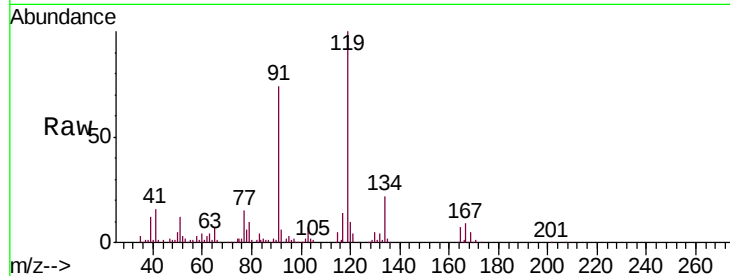




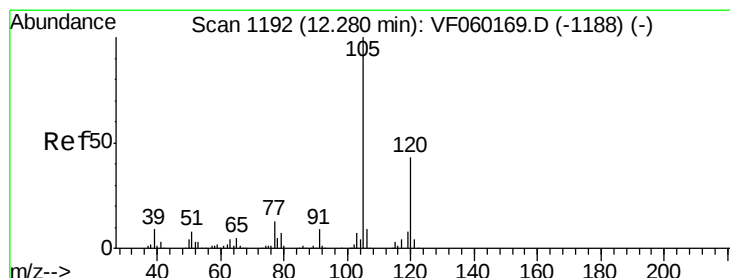
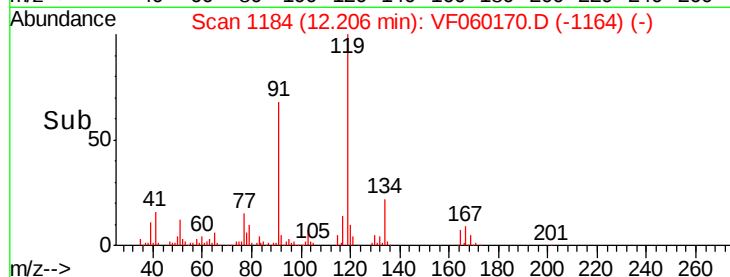
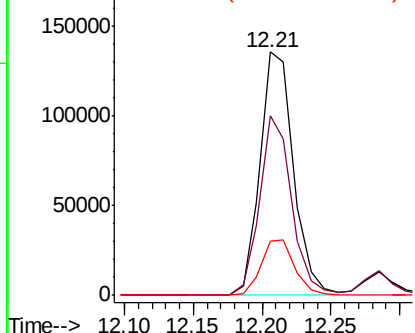
#83
 tert-Butylbenzene
 Concen: 124.684 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 231834
 Ion Ratio Lower Upper
 119 100
 91 73.9 35.3 105.7
 134 22.0 11.2 33.5

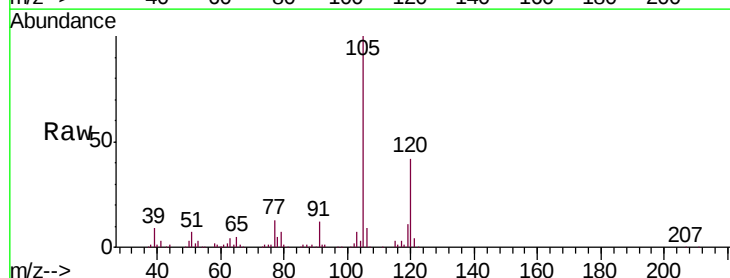


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

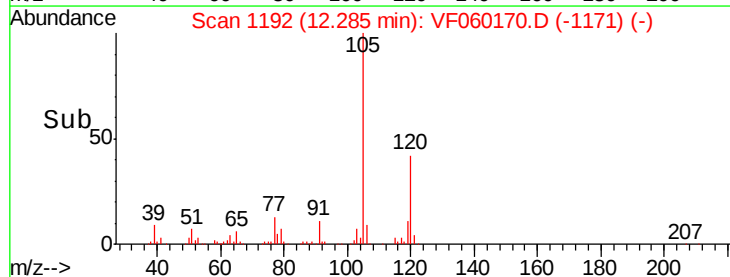
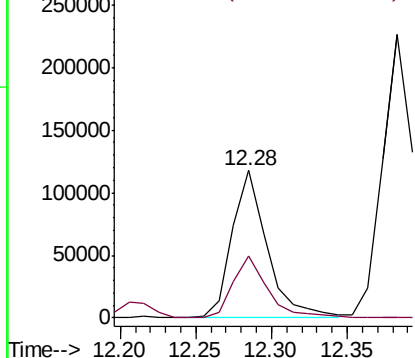


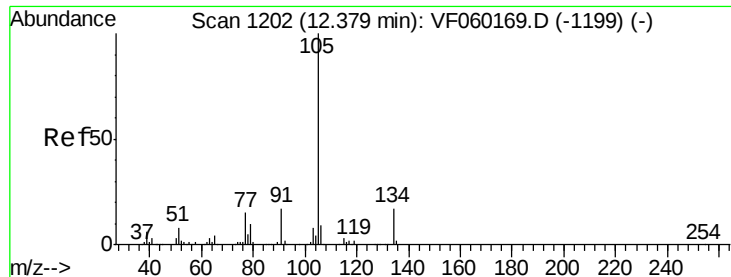
#84
 1,2,4-Trimethylbenzene
 Concen: 99.085 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion:105 Resp: 190518
 Ion Ratio Lower Upper
 105 100
 120 41.9 21.9 65.7



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





#85

sec-Butylbenzene

Concen: 127.372 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampled :

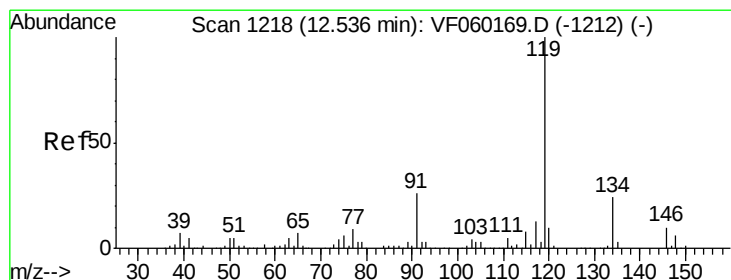
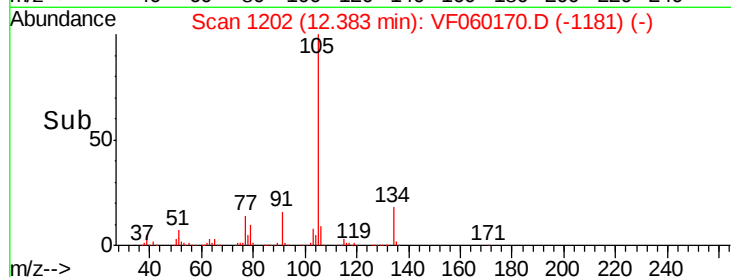
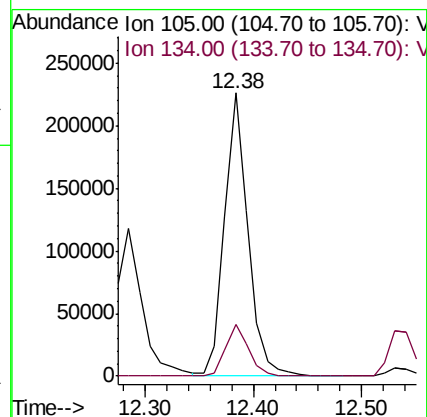
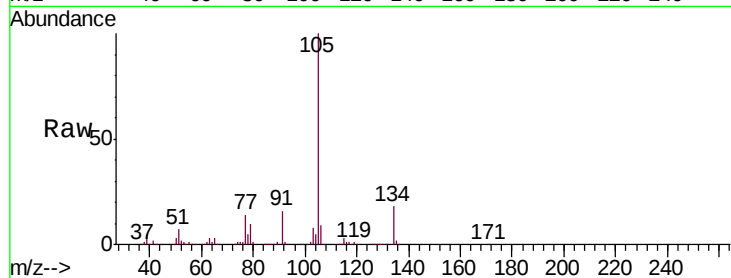
VSTDIC075

Tgt Ion:105 Resp: 340529

Ion Ratio Lower Upper

105 100

134 18.1 8.4 25.2



#86

p-Isopropyltoluene

Concen: 122.260 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

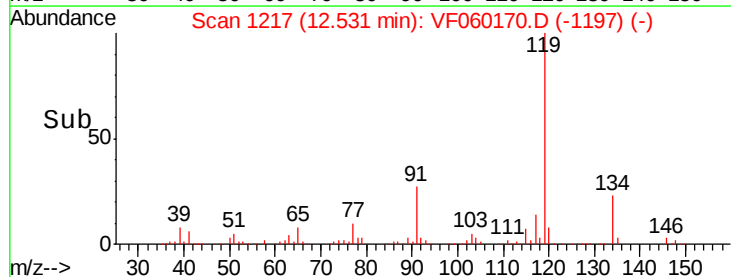
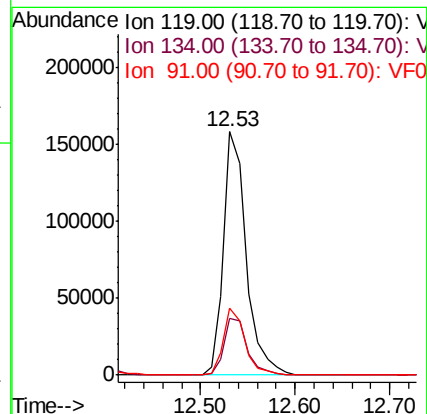
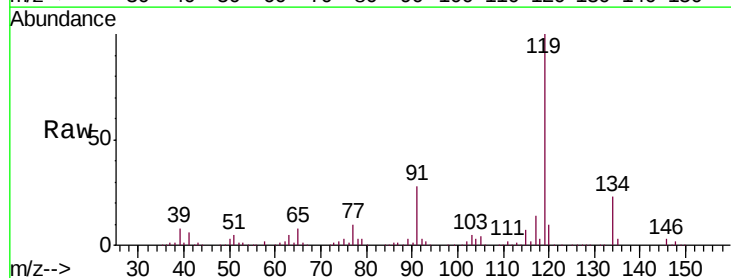
Tgt Ion:119 Resp: 264626

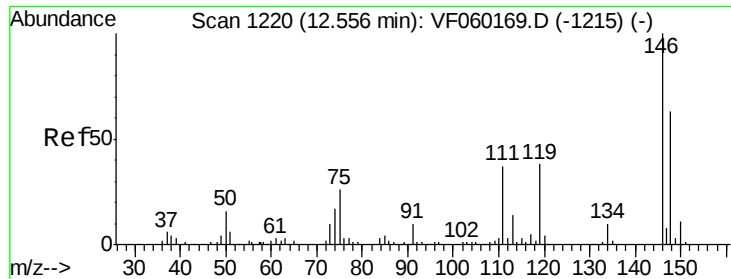
Ion Ratio Lower Upper

119 100

134 23.1 11.9 35.9

91 27.7 13.0 39.0

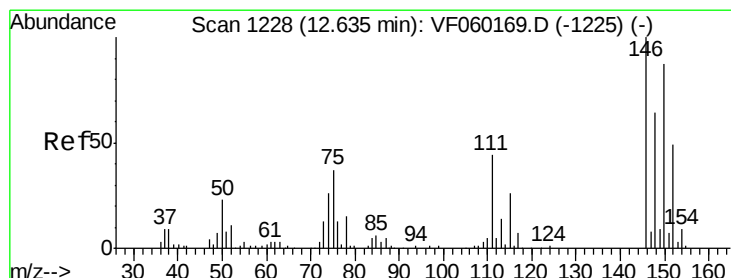
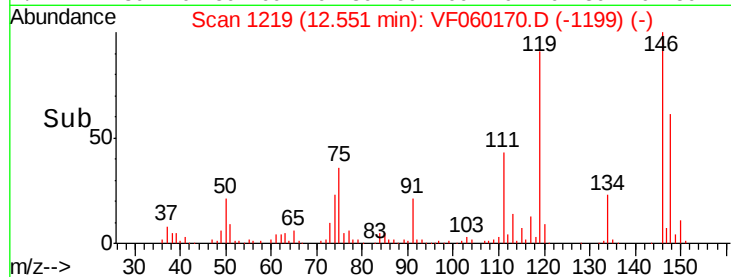
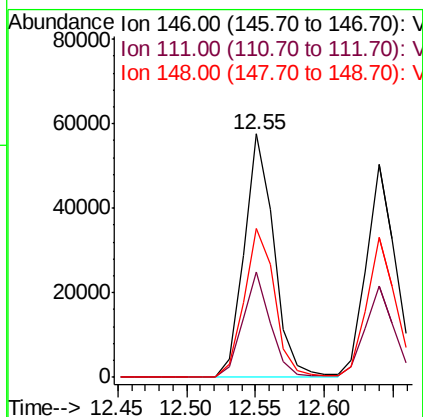
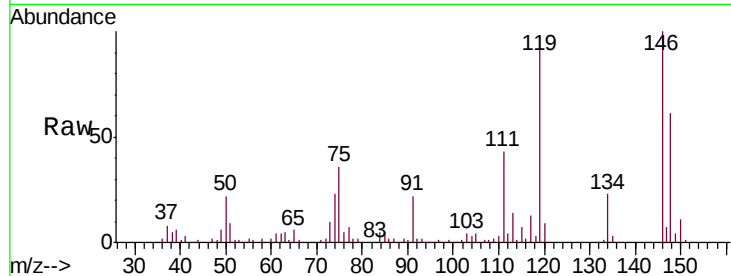




#87
 1,3-Dichlorobenzene
 Concen: 86.723 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

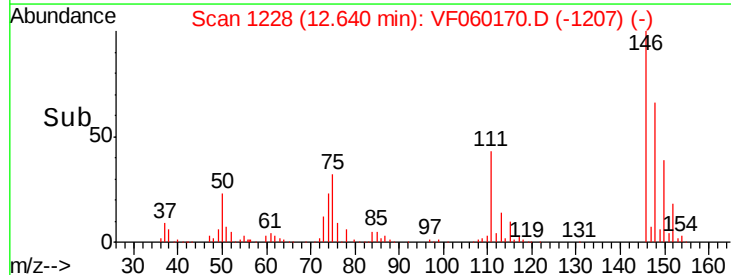
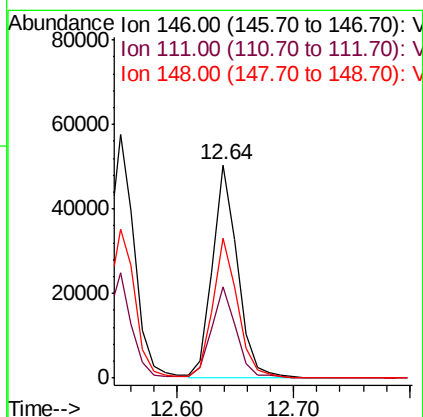
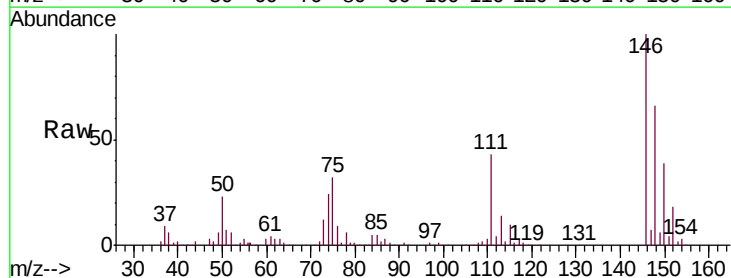
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

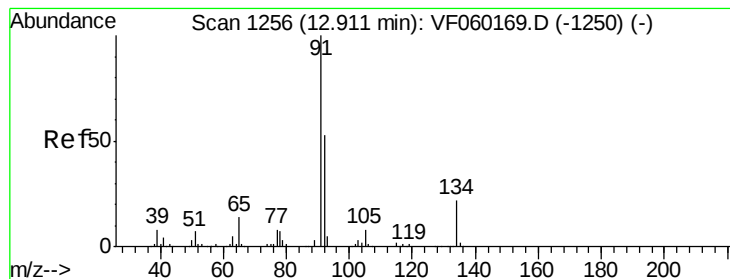
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	18.8	56.3
148	61.3	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 77.136 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.1	66.3
148	65.8	32.0	96.2





#89

n-Butylbenzene

Concen: 111.995 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF060170.D

Acq: 29 Aug 2018 1:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

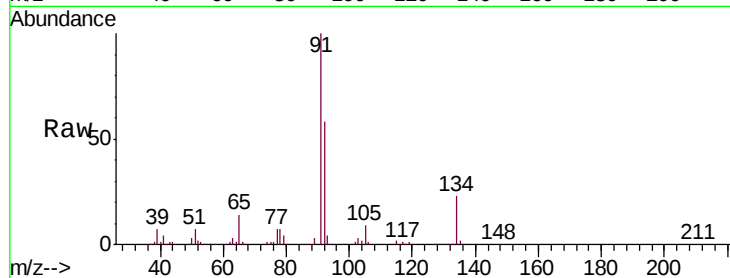
Tgt Ion: 91 Resp: 227175

Ion Ratio Lower Upper

91 100

92 57.7 26.7 80.0

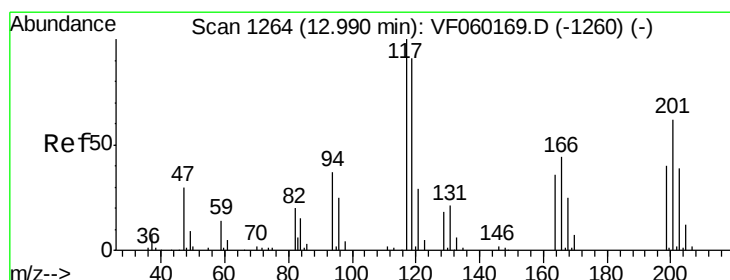
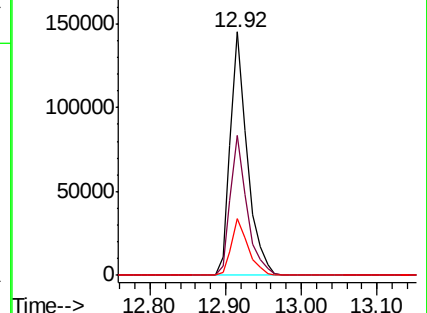
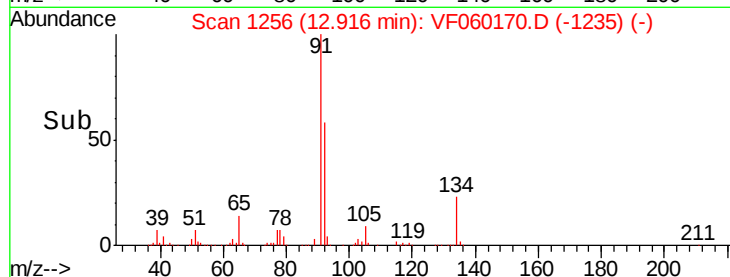
134 23.3 11.0 33.0



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: 119.599 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF060170.D

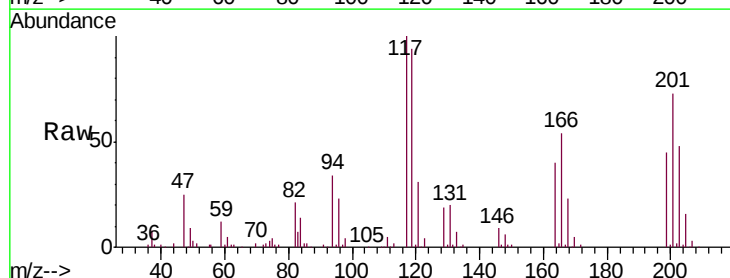
Acq: 29 Aug 2018 1:54

Tgt Ion: 117 Resp: 57164

Ion Ratio Lower Upper

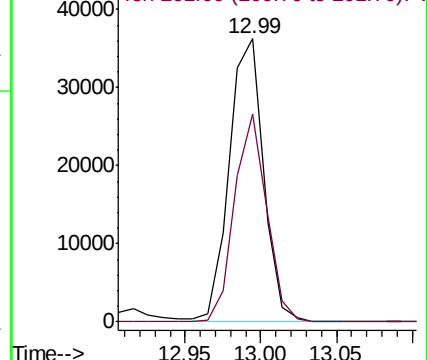
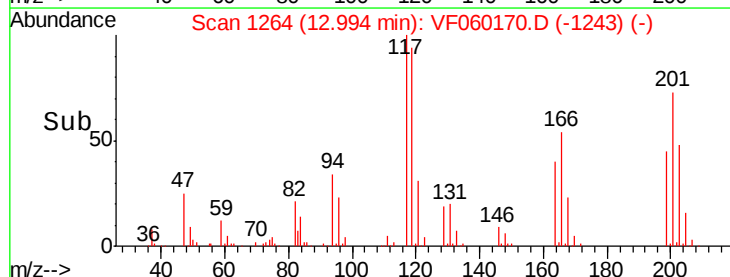
117 100

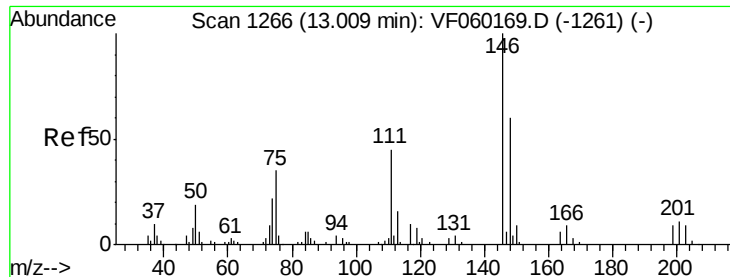
201 73.3 32.0 96.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

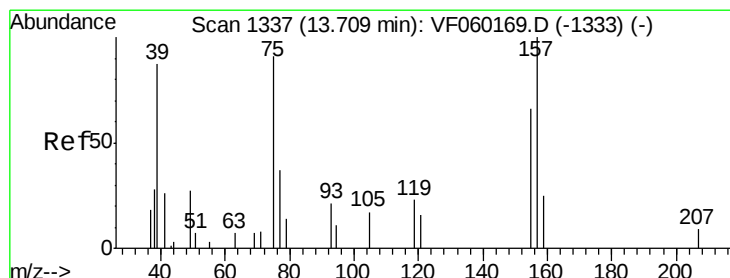
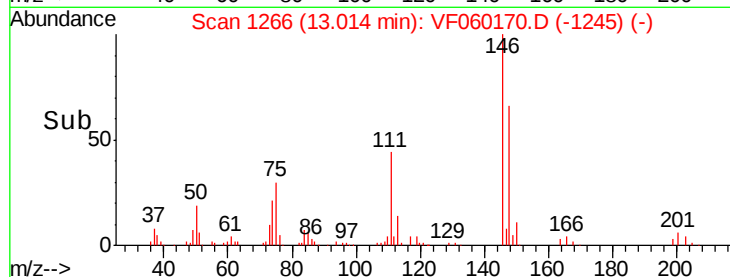
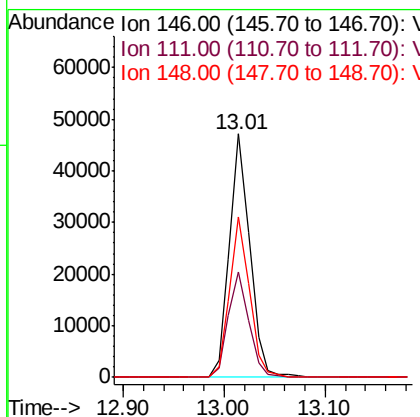
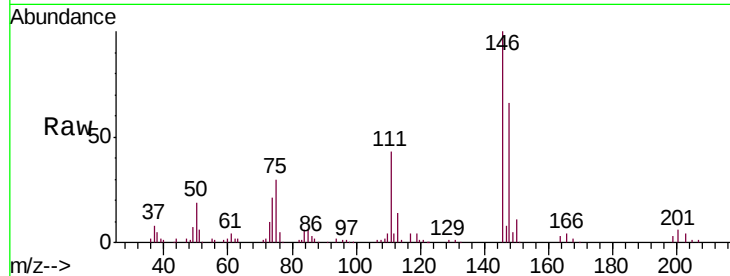




#91
 1,2-Dichlorobenzene
 Concen: 71.577 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

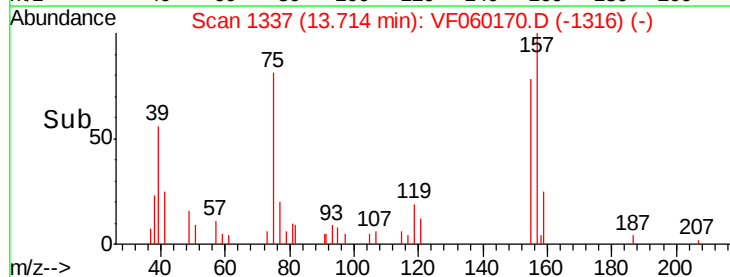
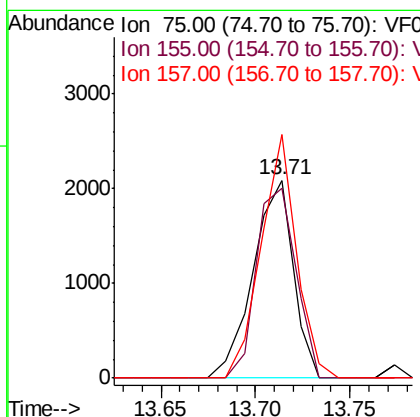
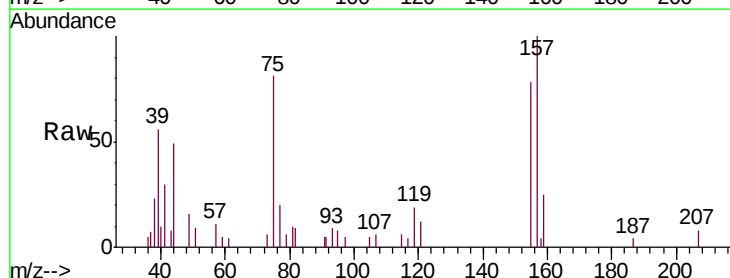
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

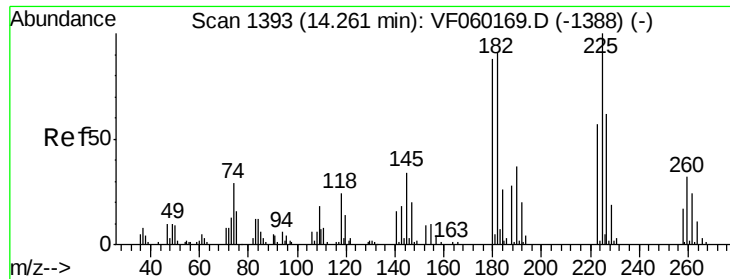
Tgt Ion:146 Resp: 66609
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.7 68.1
 148 65.8 30.0 90.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.117 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion: 75 Resp: 3088
 Ion Ratio Lower Upper
 75 100
 155 96.0 36.0 108.0
 157 123.3 54.9 164.5

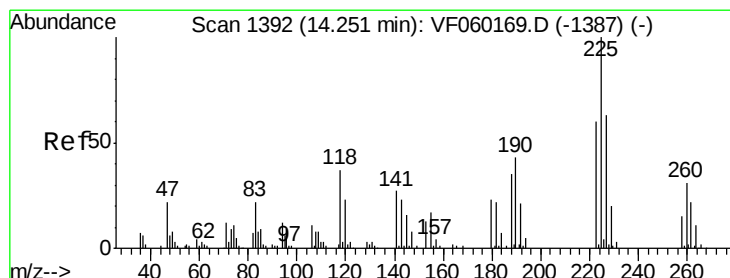
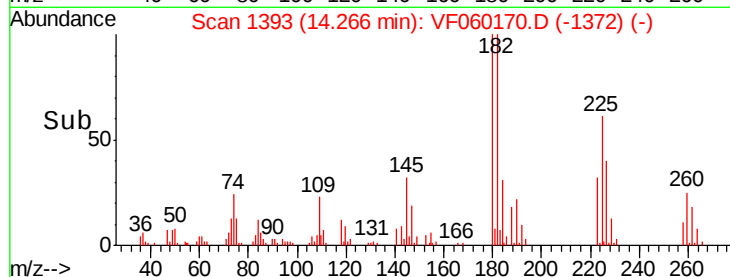
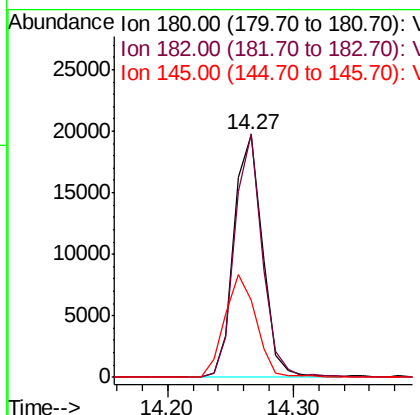
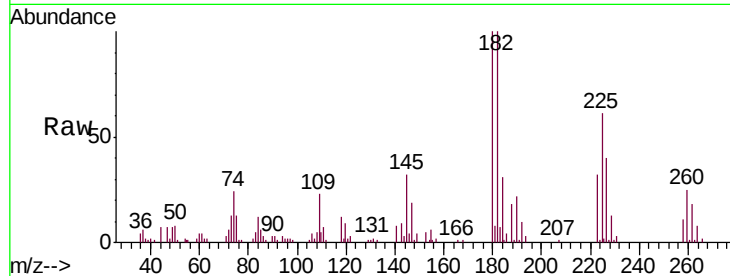




#93
 1,2,4-Trichlorobenzene
 Concen: 48.270 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

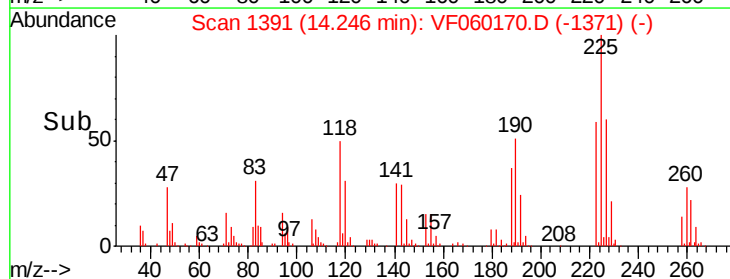
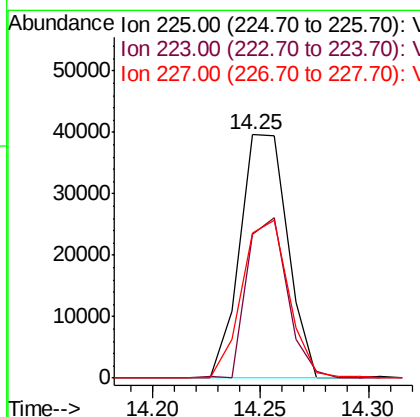
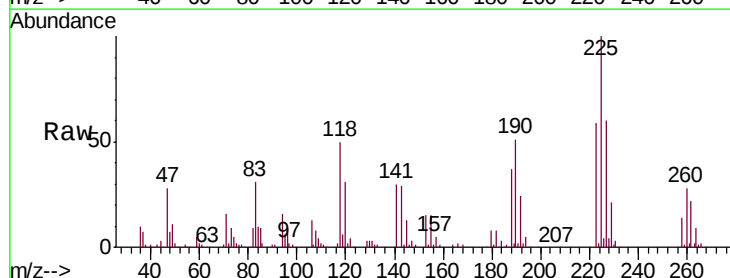
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

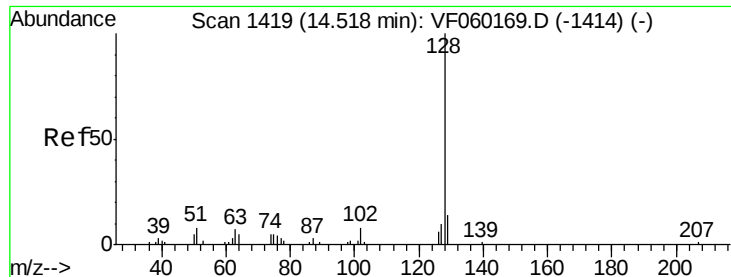
Tgt Ion:180 Resp: 30810
 Ion Ratio Lower Upper
 180 100
 182 100.2 51.8 155.5
 145 31.6 19.3 57.9



#94
 Hexachlorobutadiene
 Concen: 123.373 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF060170.D
 Acq: 29 Aug 2018 1:54

Tgt Ion:225 Resp: 60555
 Ion Ratio Lower Upper
 225 100
 223 59.2 30.0 90.0
 227 59.7 31.4 94.2

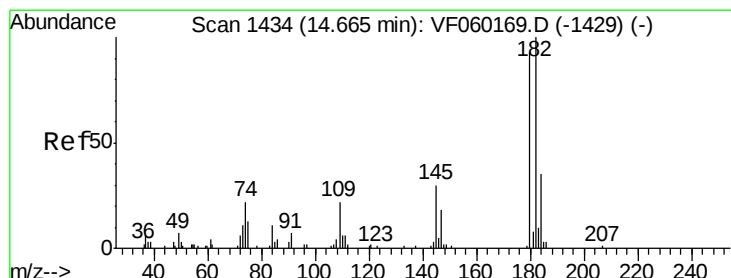
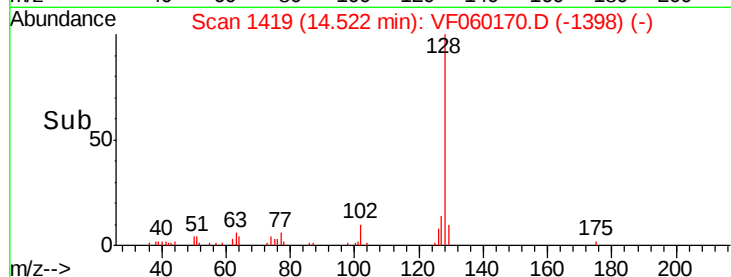
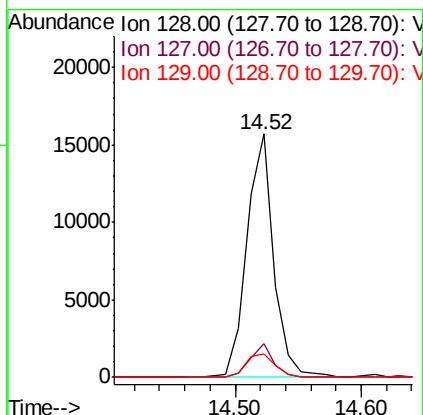
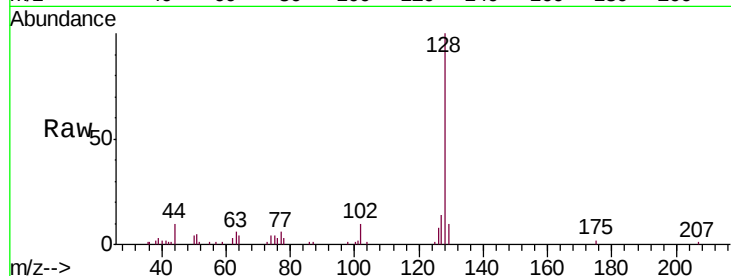




#95
Naphthalene
Concen: 25.578 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 23157
Ion Ratio Lower Upper
128 100
127 13.7 8.3 12.5#
129 9.7 11.5 17.3#



#96
1,2,3-Trichlorobenzene
Concen: 42.007 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VF060170.D
Acq: 29 Aug 2018 1:54

Tgt Ion:180 Resp: 25122
Ion Ratio Lower Upper
180 100
182 96.2 53.6 160.8
145 30.3 16.2 48.6

