

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\
 Data File : VF060815.D
 Acq On : 20 Nov 2018 21:04
 Operator : VA/AP
 Sample : J5981-03MS
 Misc : 4.68g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 21 02:51:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	169055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	272484	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	223897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	89738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	86068	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	4.13	113	99768	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	7.56	98	261008	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.42	95	100616	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	140259	46.359	ug/l	99
3) Chloromethane	1.10	50	96232	51.287	ug/l	99
4) Vinyl Chloride	1.15	62	78781	46.936	ug/l	96
5) Bromomethane	1.32	94	56618	53.102	ug/l	97
6) Chloroethane	1.38	64	40671	61.931	ug/l	99
7) Trichlorofluoromethane	1.49	101	192033	51.737	ug/l	99
8) Diethyl Ether	1.63	74	28348	59.609	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	98801	56.486	ug/l	96
10) Methyl Iodide	1.90	142	98673	35.160	ug/l	86
11) Tert butyl alcohol	2.57	59	29932	341.077	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	73309	53.153	ug/l	89
13) Acrolein	2.01	56	11709	145.923	ug/l	90
14) Allyl chloride	2.10	41	117486	48.624	ug/l	89
15) Acrylonitrile	2.95	53	62268	332.987	ug/l	95
16) Acetone	2.24	43	156030	378.572	ug/l	99
17) Carbon Disulfide	1.77	76	30957	7.426	ug/l #	93
18) Methyl Acetate	2.35	43	52107	76.993	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	224310	67.793	ug/l	98
20) Methylene Chloride	2.19	84	34830	23.936	ug/l	92
21) trans-1,2-Dichloroethene	2.32	96	59749	41.464	ug/l	96
22) Diisopropyl ether	2.81	45	312777	67.050	ug/l	98
23) Vinyl Acetate	3.19	43	589689	268.448	ug/l	99
24) 1,1-Dichloroethane	2.88	63	174413	61.757	ug/l	99
25) 2-Butanone	4.34	43	214502	316.410	ug/l	97
26) 2,2-Dichloropropane	3.61	77	118858	53.482	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	117377	47.884	ug/l	94
28) Bromochloromethane	3.73	49	72976	49.721	ug/l	92
29) Tetrahydrofuran	4.08	42	93883	335.737	ug/l	96
30) Chloroform	3.87	83	236357	52.161	ug/l	97
31) Cyclohexane	3.71	56	159728	46.600	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	189534	53.116	ug/l	97
36) 1,1-Dichloropropene	4.30	75	151744	48.018	ug/l	99
37) Ethyl Acetate	4.12	43	76506	65.118	ug/l	82
38) Carbon Tetrachloride	4.00	117	168274	54.878	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	139799	38.131	ug/l	98
40) Benzene	4.64	78	428437	60.819	ug/l	100
41) Methacrylonitrile	4.75	41	41262	67.377	ug/l	96
42) 1,2-Dichloroethane	4.95	62	131141	53.871	ug/l	99
43) Isopropyl Acetate	6.97	43	90714	58.234	ug/l #	93
44) Trichloroethene	5.51	130	106375	47.862	ug/l	96
45) 1,2-Dichloropropane	6.24	63	113303	61.810	ug/l	100
46) Dibromomethane	6.09	93	59616	49.268	ug/l	90
47) Bromodichloromethane	6.40	83	169231	54.768	ug/l	96
48) Methyl methacrylate	6.72	41	62080	60.217	ug/l	96
49) 1,4-Dioxane	6.71	88	12686	1315.732	ug/l #	88
51) 4-Methyl-2-Pentanone	8.26	43	364353	323.399	ug/l	98
52) Toluene	7.63	92	243937	51.674	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	97962	39.582	ug/l	90
54) cis-1,3-Dichloropropene	7.31	75	147157	45.776	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	76099	56.421	ug/l	97
56) Ethyl methacrylate	8.63	69	91540	59.759	ug/l	98
57) 1,3-Dichloropropane	8.87	76	126849	54.266	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	37881	270.716	ug/l	100
59) 2-Hexanone	9.50	43	240785	304.112	ug/l	99
60) Dibromochloromethane	8.73	129	104658	54.445	ug/l	97
61) 1,2-Dibromoethane	8.99	107	71236	50.219	ug/l	97
64) Tetrachloroethene	8.16	164	93961	52.995	ug/l	97
65) Chlorobenzene	9.81	112	248629	55.030	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	119278	60.528	ug/l	100
67) Ethyl Benzene	9.91	91	455546	53.491	ug/l	100
68) m/p-Xylenes	10.14	106	320509	105.310	ug/l	92
69) o-Xylene	10.72	106	189506	55.383	ug/l	98
70) Styrene	10.80	104	225866	48.638	ug/l	98
71) Bromoform	10.78	173	51423	58.029	ug/l	99
73) Isopropylbenzene	11.13	105	474255	65.656	ug/l	99
74) N-amyl acetate	11.38	43	141577	86.098	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.70	83	107660	90.151	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	74916	84.467	ug/l	99
77) Bromobenzene	11.50	156	96593	64.243	ug/l	93
78) n-propylbenzene	11.60	91	459411	54.534	ug/l	97
79) 2-Chlorotoluene	11.73	91	304802	62.251	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	375209	65.428	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	35088	80.526	ug/l	91
82) 4-Chlorotoluene	11.90	91	291291	58.072	ug/l	98
83) tert-Butylbenzene	12.14	119	374555	61.515	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	374236	63.099	ug/l	95
85) sec-Butylbenzene	12.31	105	404446	48.966	ug/l	96
86) p-Isopropyltoluene	12.47	119	360326	52.233	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	163740	54.723	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	156580	54.449	ug/l	95
89) n-Butylbenzene	12.85	91	267980	38.065	ug/l	95
90) Hexachloroethane	12.92	117	81422	48.256	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	171371	60.828	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19836	88.373	ug/l	79

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Quant Title : SW846 8260
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Response via : Initial Calibration

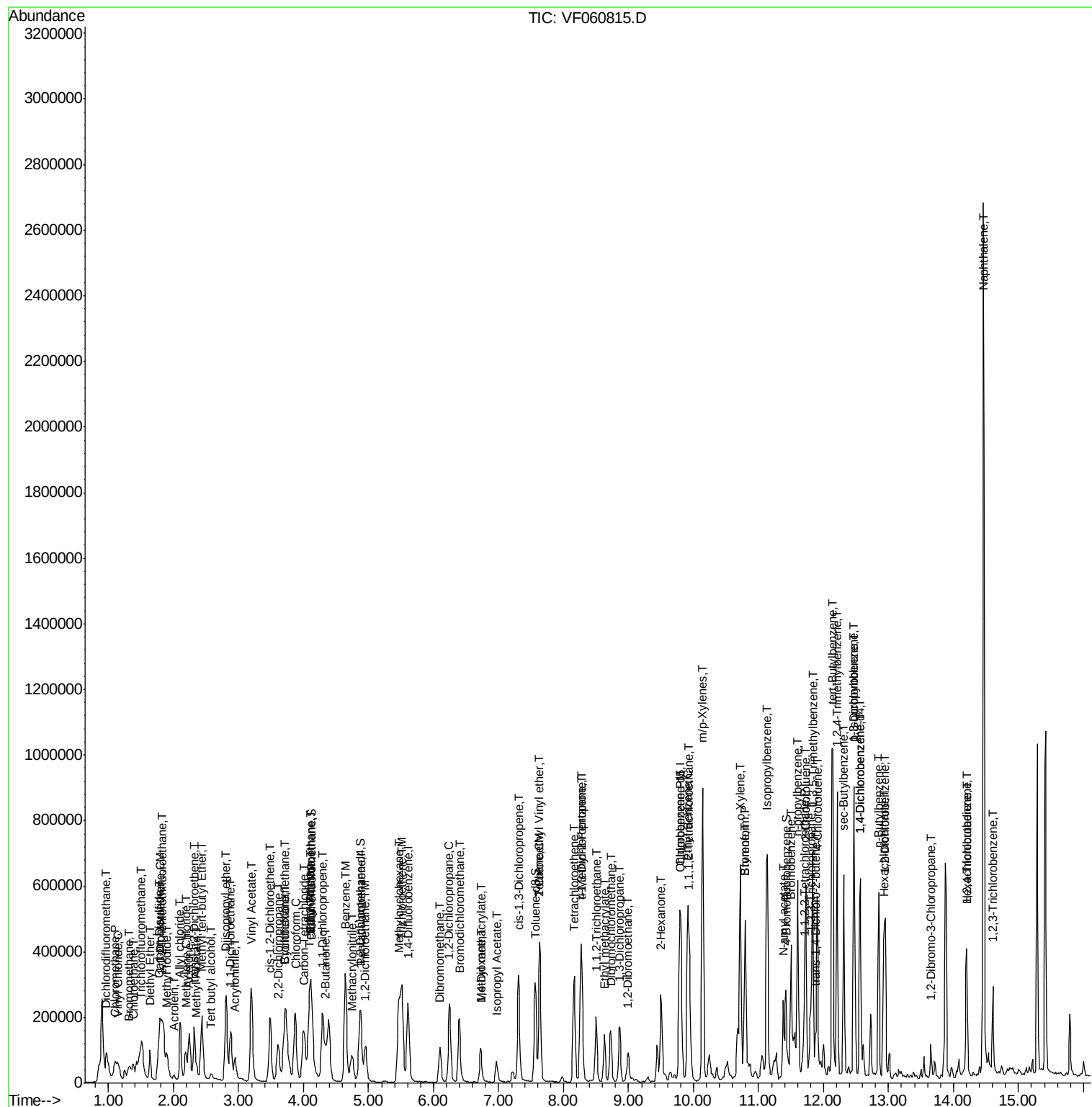
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72686	35.895	ug/l	94
94) Hexachlorobutadiene	14.19	225	25987	19.639	ug/l	97
95) Naphthalene	14.46	128	1952854	528.528	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	65417	34.961	ug/l	97

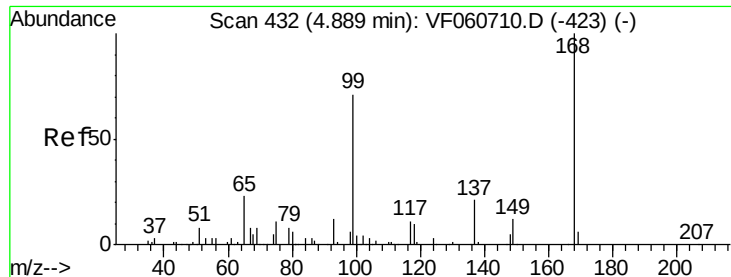
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

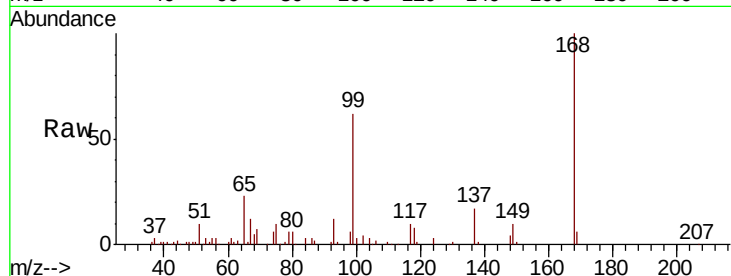
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 169055

Ion Ratio Lower Upper

168 100

99 61.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

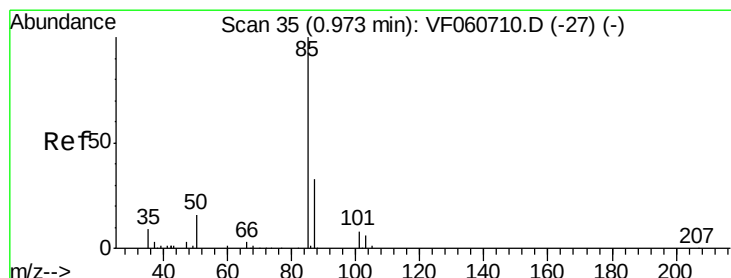
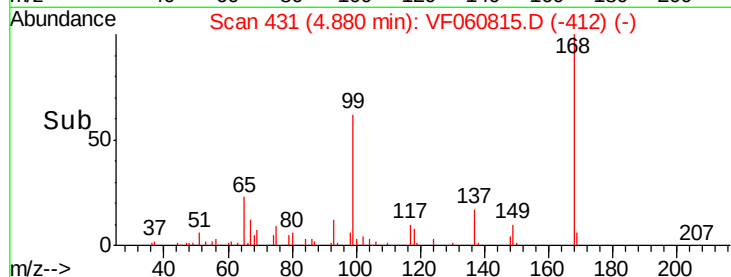
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 46.359 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060815.D

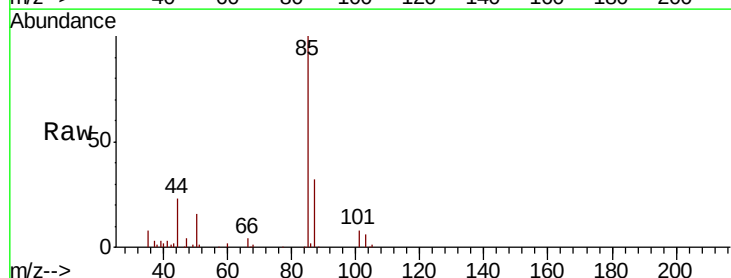
Acq: 20 Nov 2018 21:04

Tgt Ion: 85 Resp: 140259

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

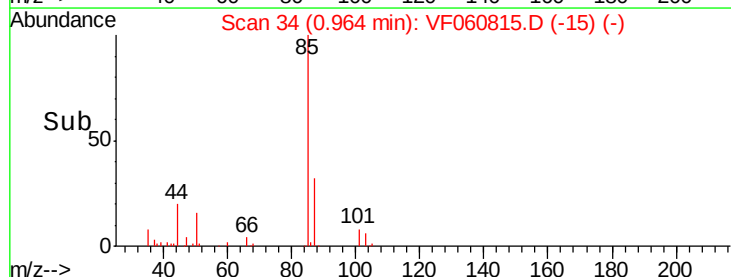
30000

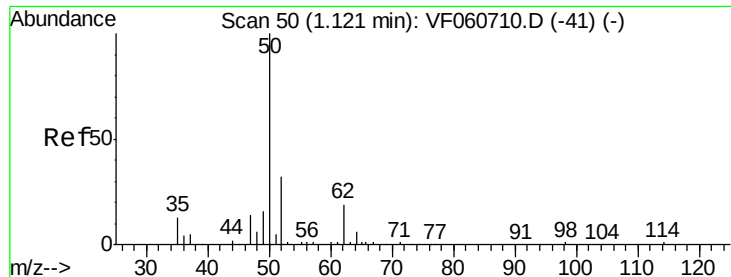
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 51.287 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

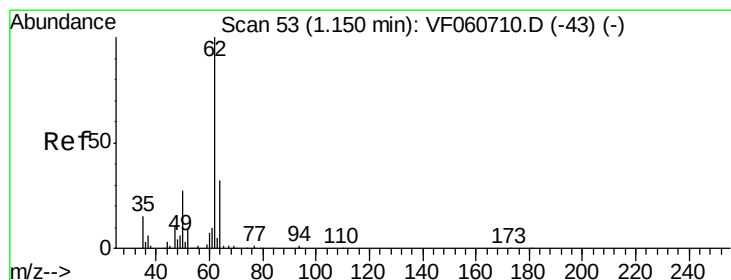
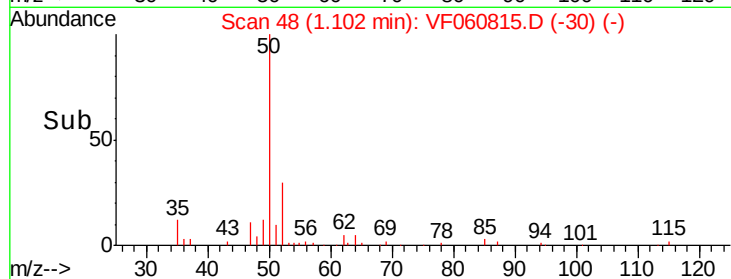
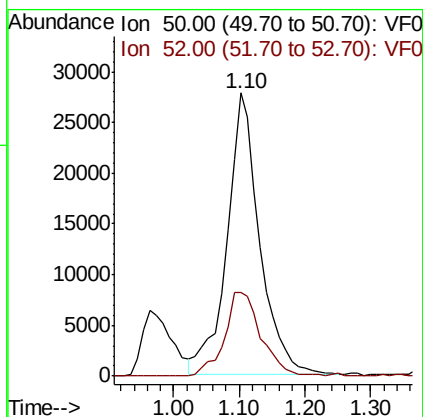
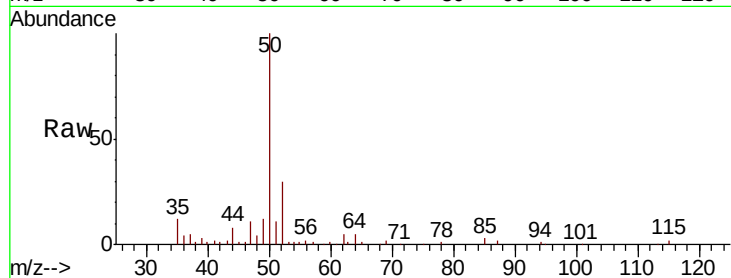
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 96232

Ion Ratio Lower Upper

50 100

52 29.6 24.2 36.2



#4

Vinyl Chloride

Concen: 46.936 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060815.D

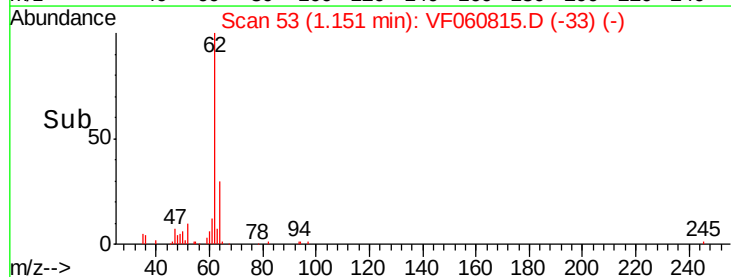
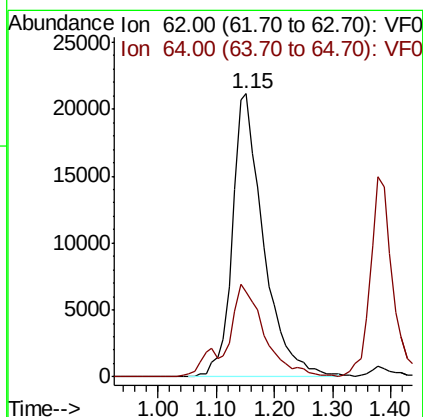
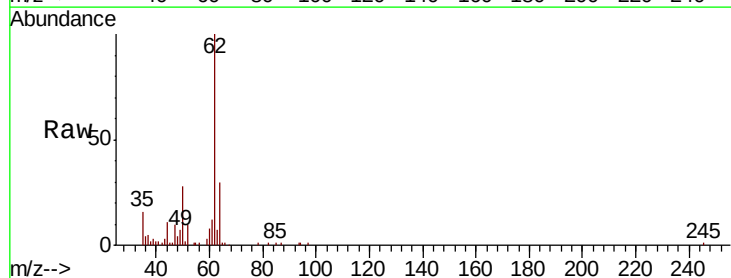
Acq: 20 Nov 2018 21:04

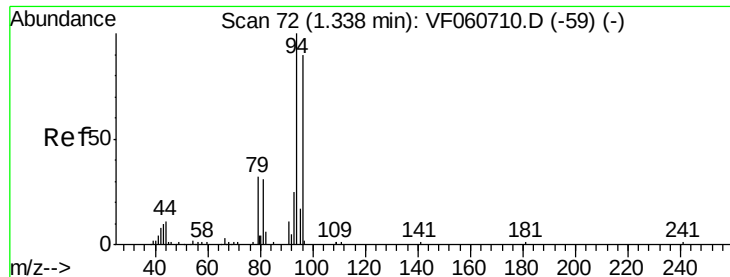
Tgt Ion: 62 Resp: 78781

Ion Ratio Lower Upper

62 100

64 30.2 25.8 38.8





#5

Bromomethane

Concen: 53.102 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

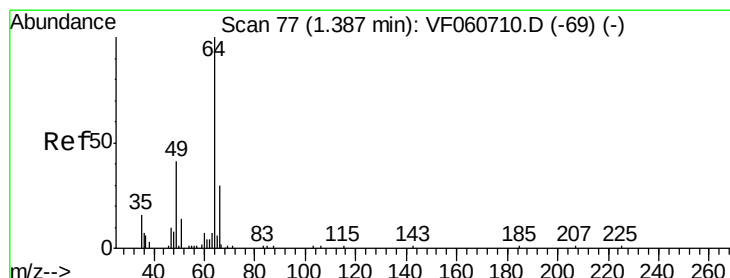
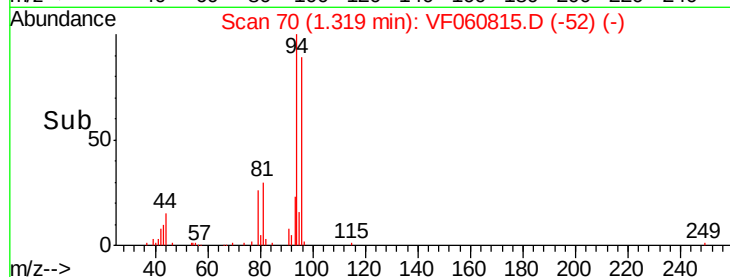
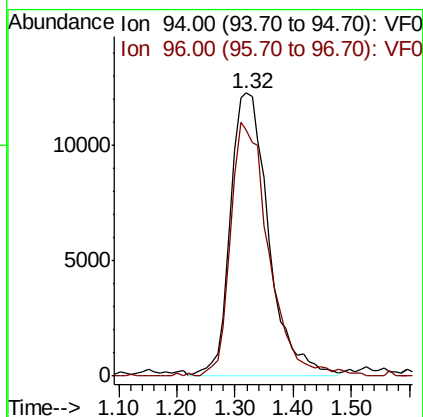
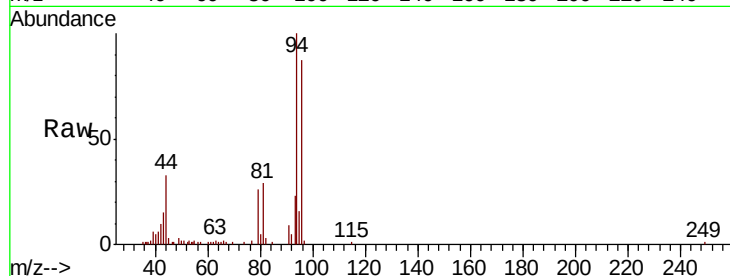
ClientSampleId :

Tot Ion: 94 Resp: 56618

Ion Ratio Lower Upper

94 100

96 87.1 71.9 107.9



#6

Chloroethane

Concen: 61.931 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060815.D

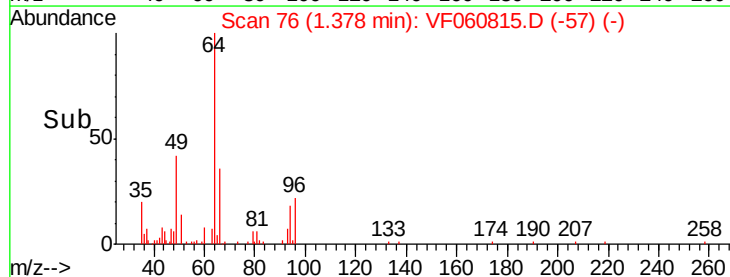
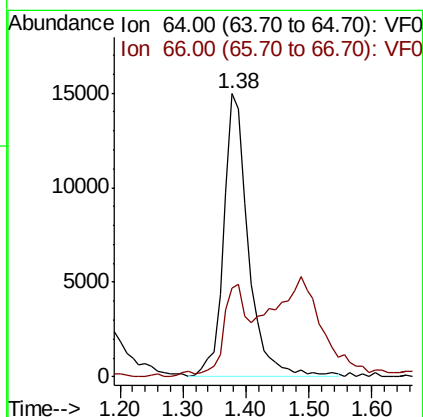
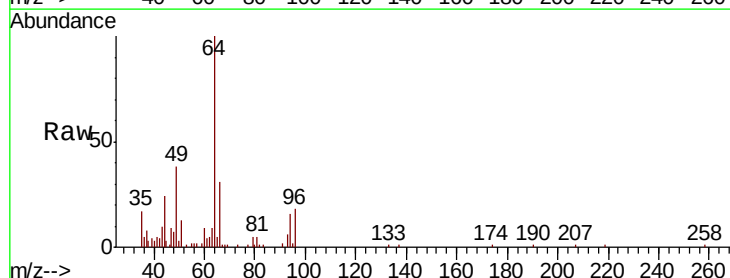
Acq: 20 Nov 2018 21:04

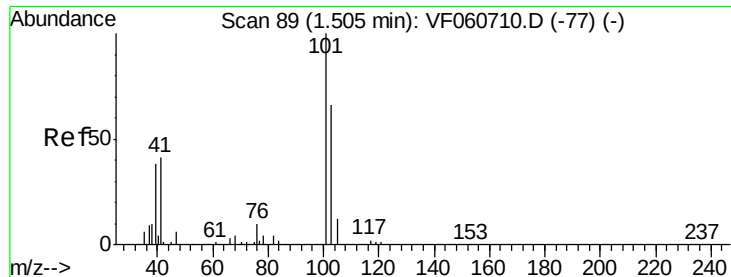
Tgt Ion: 64 Resp: 40671

Ion Ratio Lower Upper

64 100

66 31.5 24.8 37.2



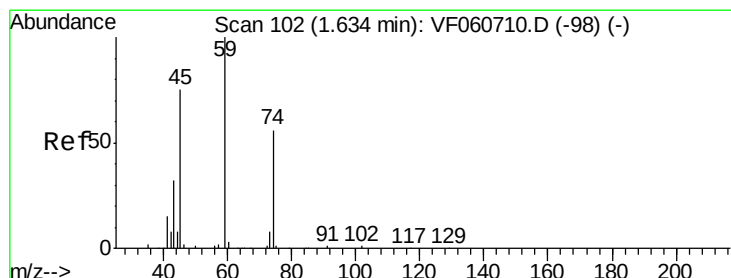
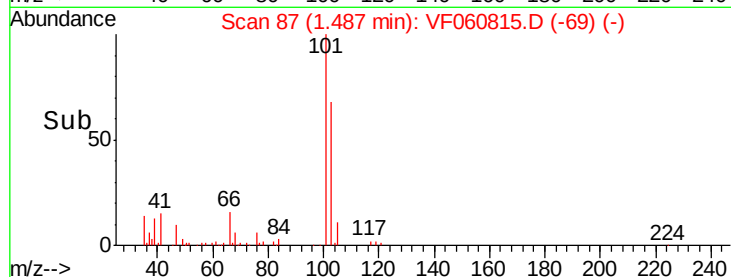
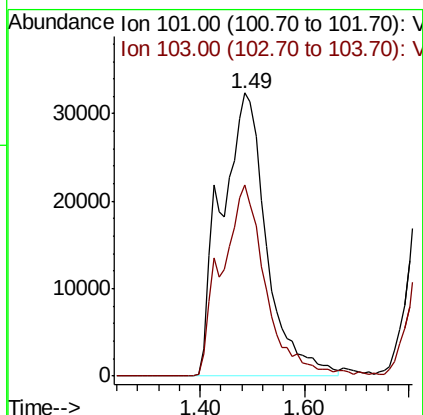
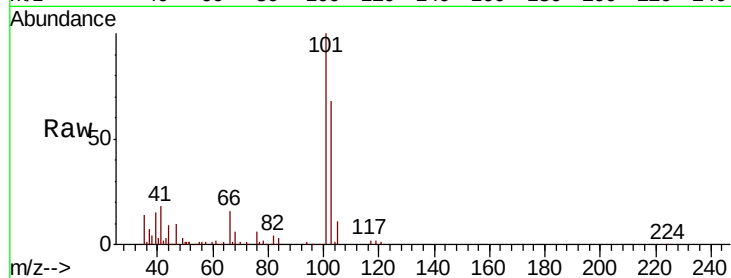


#7

Trichlorofluoromethane
 Concen: 51.737 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.02 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :

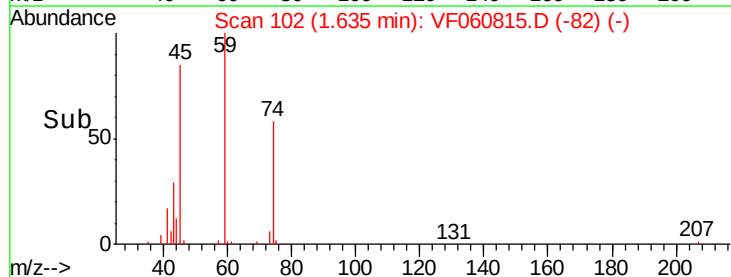
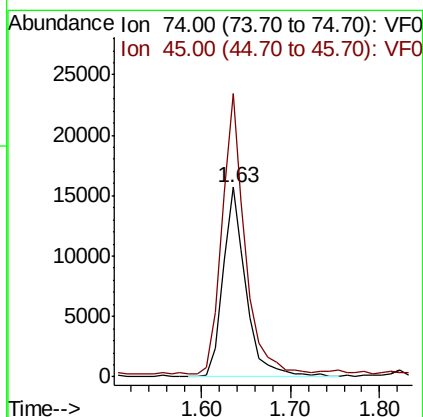
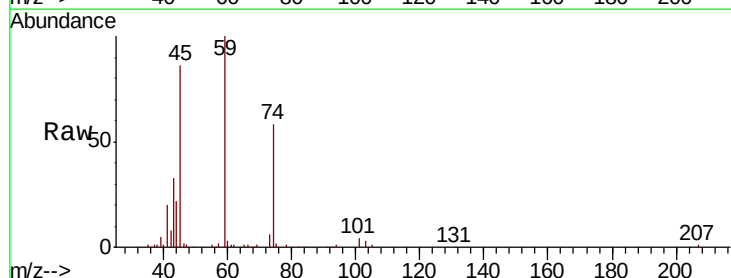
Tot Ion:101 Resp: 192033
 Ion Ratio Lower Upper
 101 100
 103 67.6 53.1 79.7

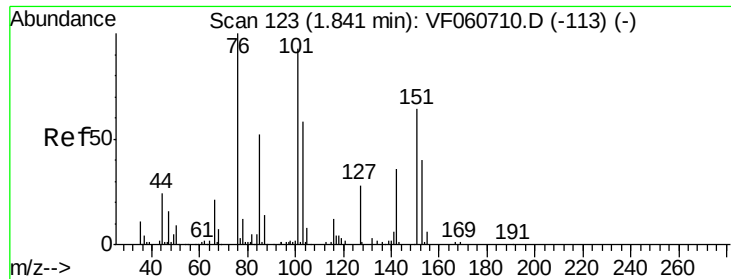


#8

Diethyl Ether
 Concen: 59.609 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion: 74 Resp: 28348
 Ion Ratio Lower Upper
 74 100
 45 149.4 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.486 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

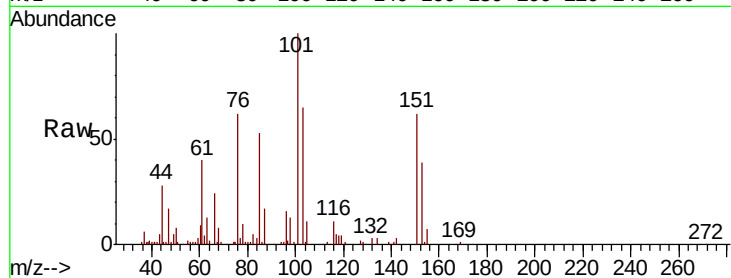
Tot Ion:101 Resp: 98801

Ion Ratio Lower Upper

101 100

85 52.9 43.6 65.4

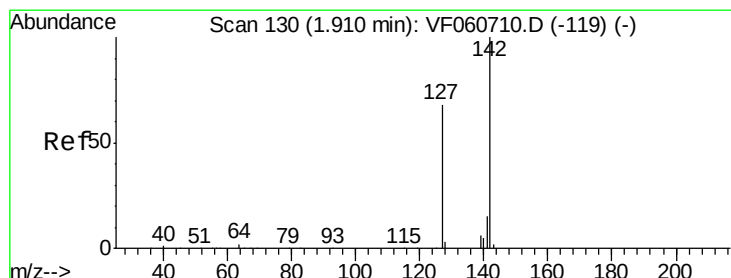
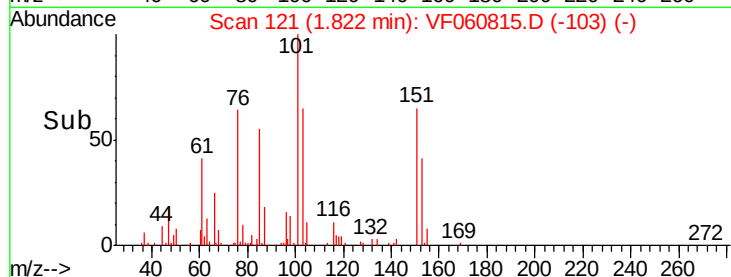
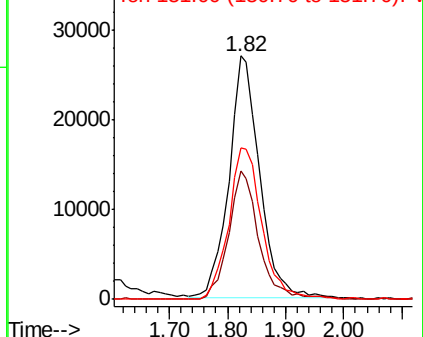
151 62.2 53.1 79.7



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: 35.160 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

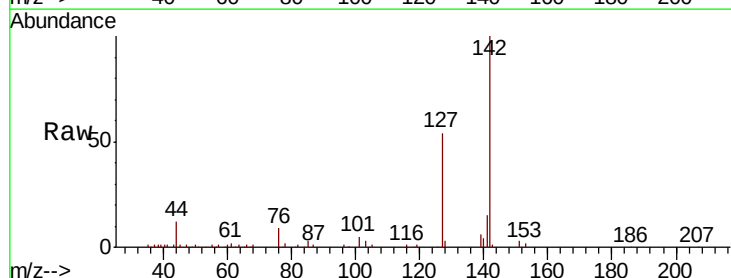
Tgt Ion:142 Resp: 98673

Ion Ratio Lower Upper

142 100

127 54.1 54.0 81.0

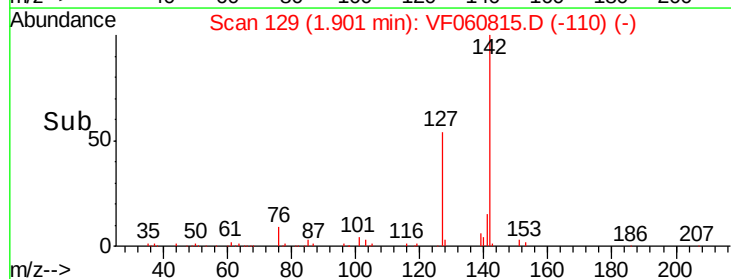
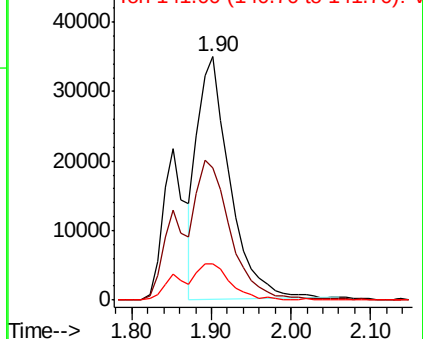
141 15.1 12.3 18.5

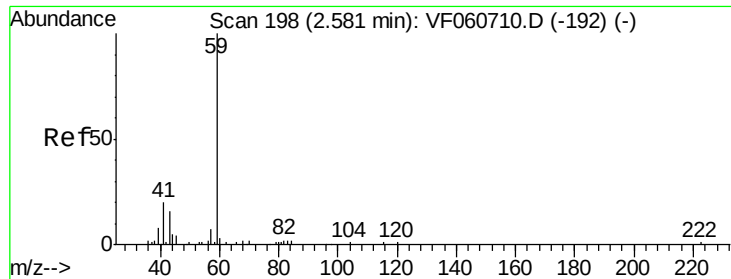


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



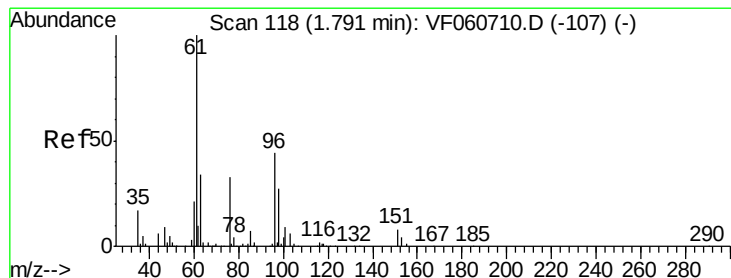
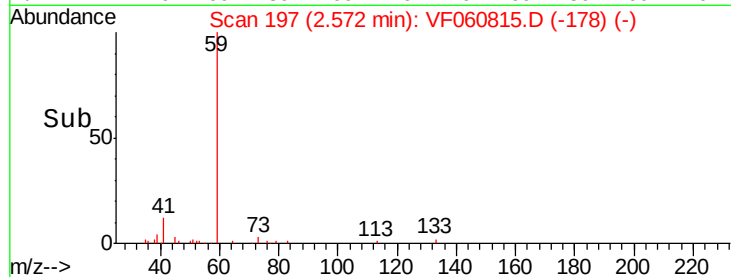
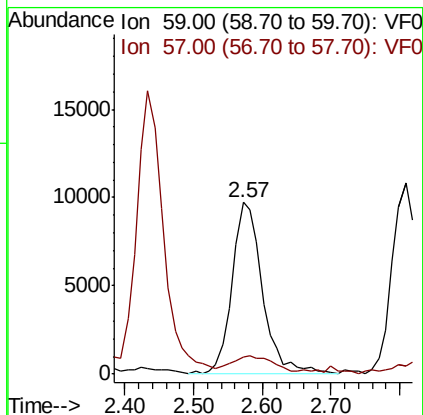
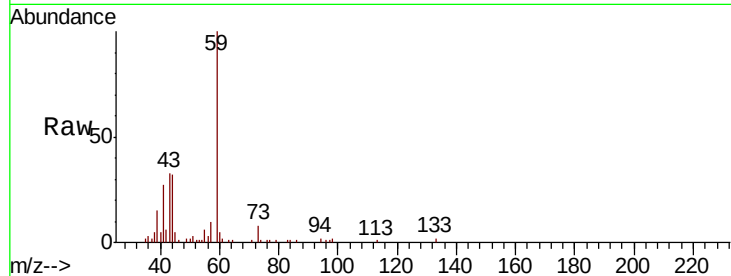


#11

Tert butyl alcohol
Concen: 341.077 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

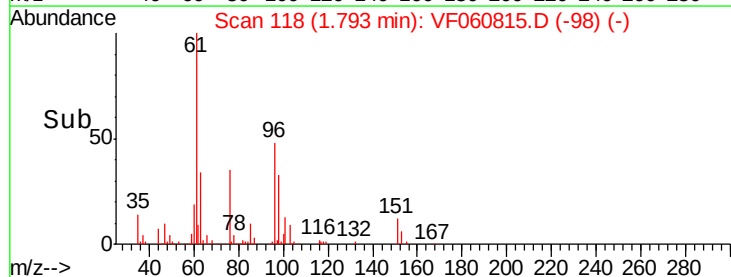
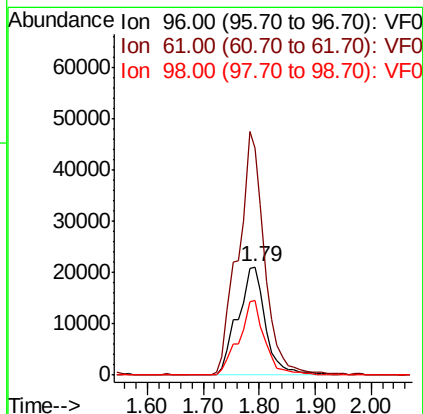
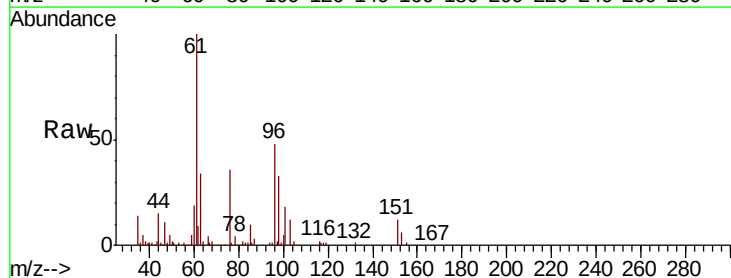
Tot Ion: 59 Resp: 29932
Ion Ratio Lower Upper
59 100
57 10.1 10.5 15.7#

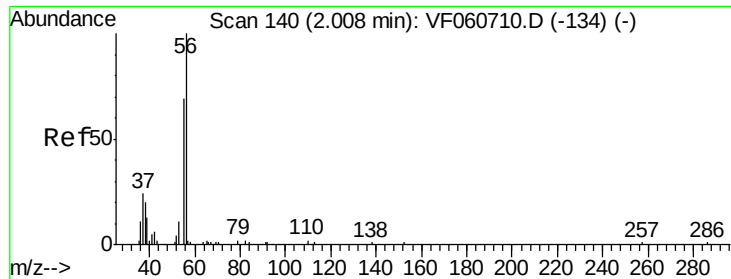


#12

1,1-Dichloroethene
Concen: 53.153 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion: 96 Resp: 73309
Ion Ratio Lower Upper
96 100
61 209.8 182.2 273.2
98 68.6 49.2 73.8

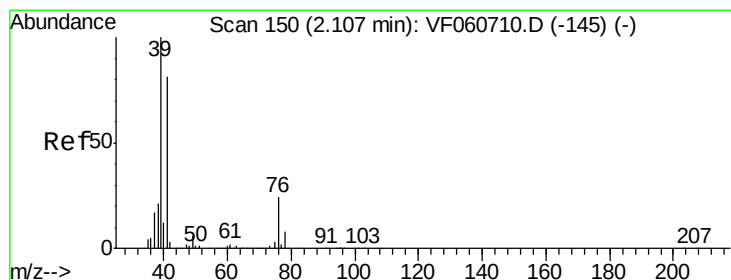
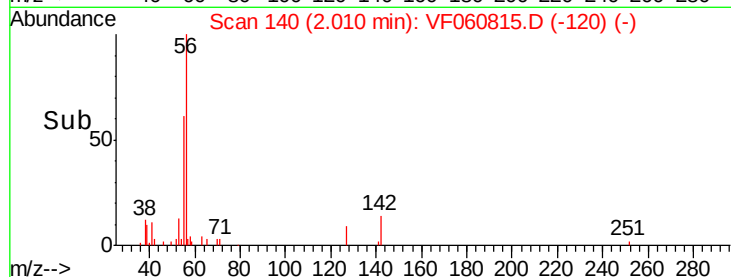
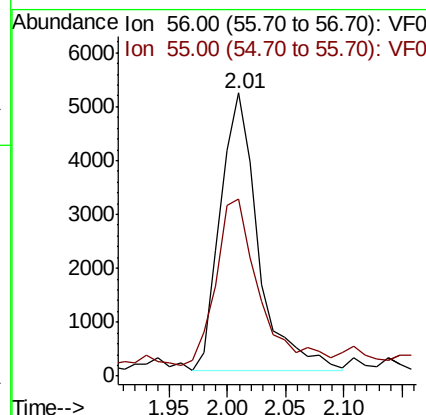
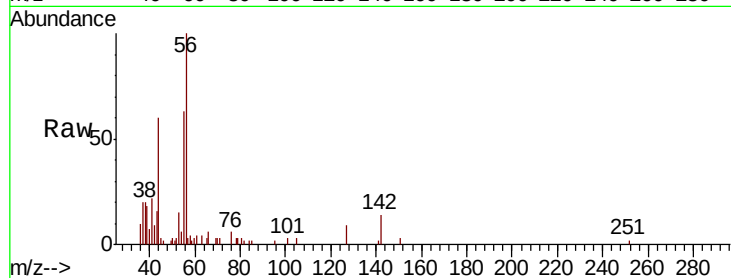




#13
 Acrolein
 Concen: 145.923 ug/l
 RT: 2.01 min Scan# 140
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

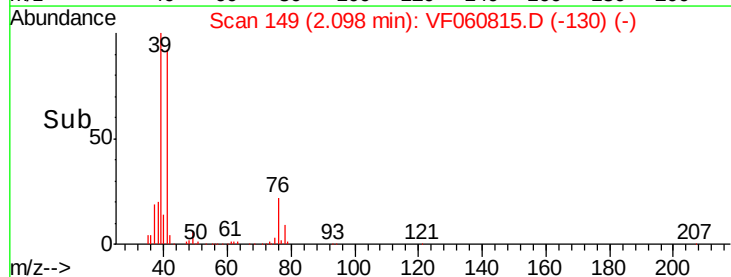
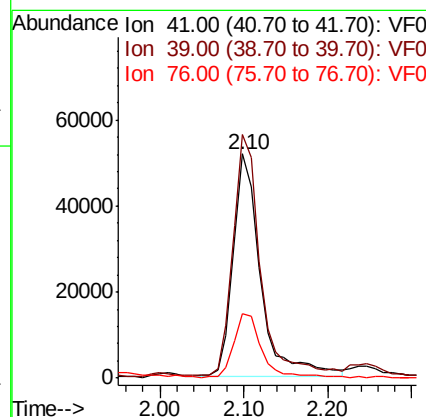
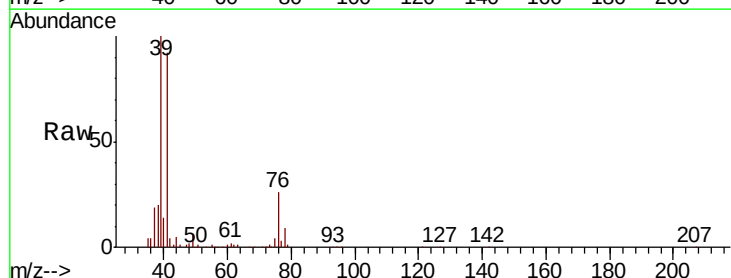
Instrument :
 MSVOA_F
 ClientSampleId :

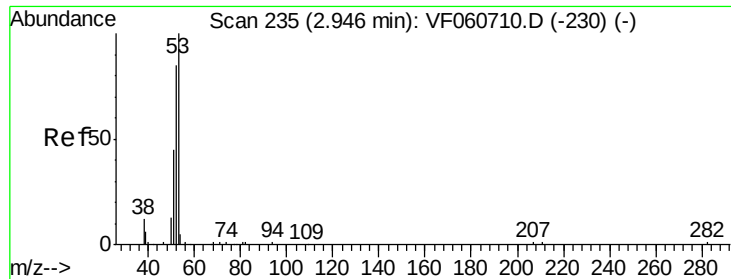
Tot Ion: 56 Resp: 11709
 Ion Ratio Lower Upper
 56 100
 55 62.6 56.6 85.0



#14
 Allyl chloride
 Concen: 48.624 ug/l
 RT: 2.10 min Scan# 149
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion: 41 Resp: 117486
 Ion Ratio Lower Upper
 41 100
 39 108.7 98.5 147.7
 76 28.6 24.5 36.7





#15

Acrylonitrile

Concen: 332.987 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

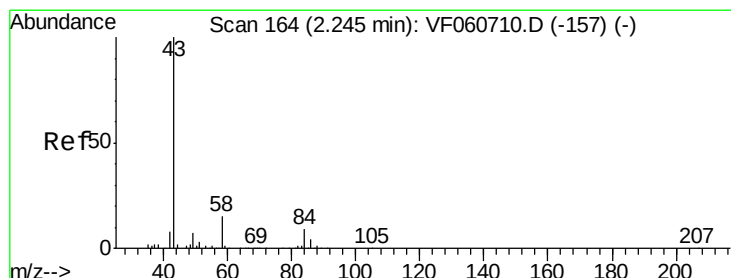
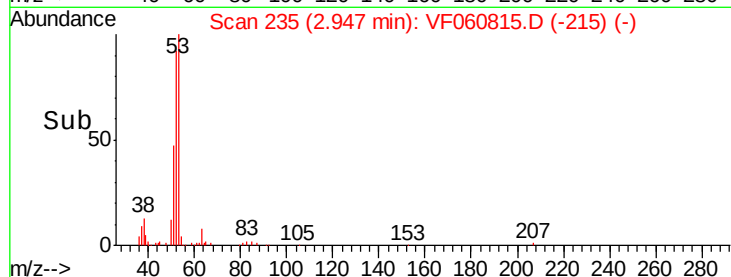
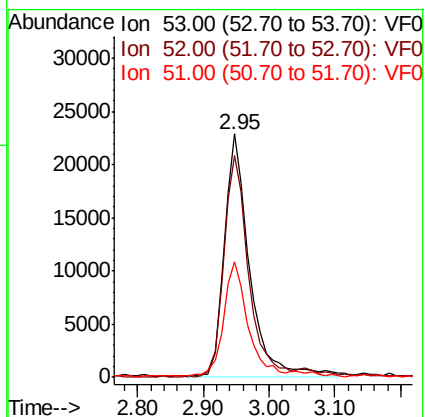
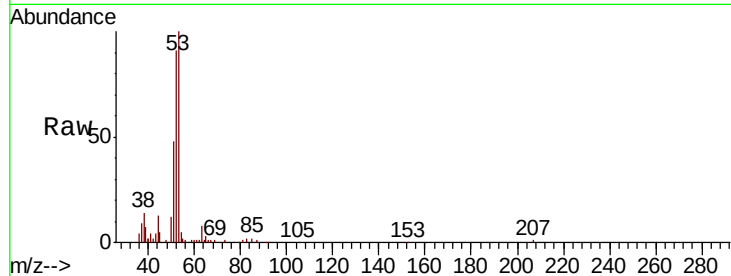
Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 62268

Ion	Ratio	Lower	Upper
53	100		
52	91.1	68.8	103.2
51	47.7	36.7	55.1



#16

Acetone

Concen: 378.572 ug/l

RT: 2.24 min Scan# 163

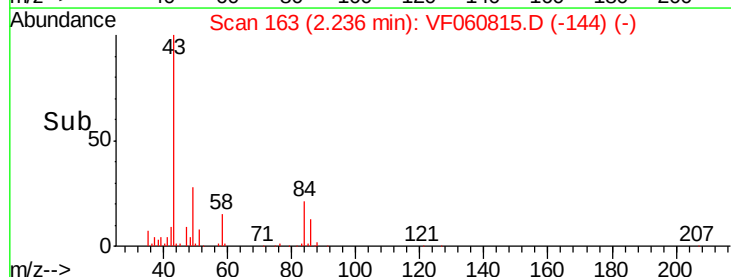
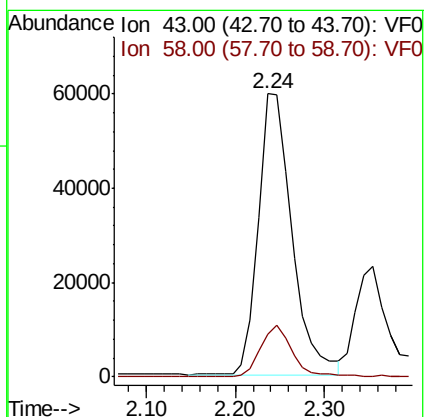
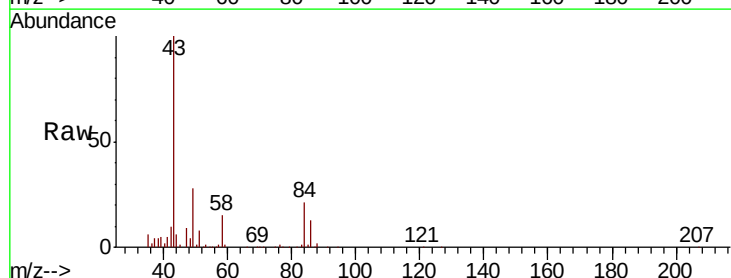
Delta R.T. -0.01 min

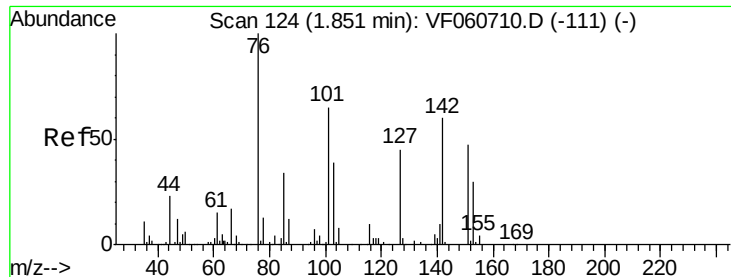
Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion: 43 Resp: 156030

Ion	Ratio	Lower	Upper
43	100		
58	15.0	11.6	17.4





#17

Carbon Disulfide

Concen: 7.426 ug/l

RT: 1.77 min Scan# 116

Delta R.T. -0.08 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

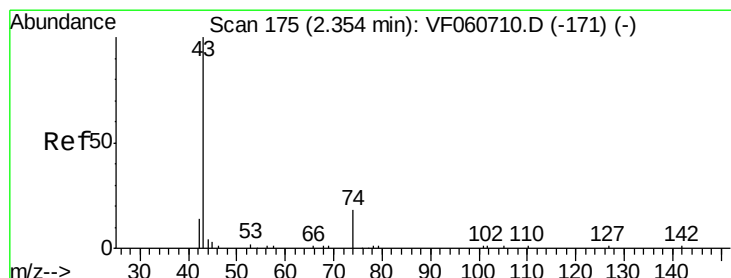
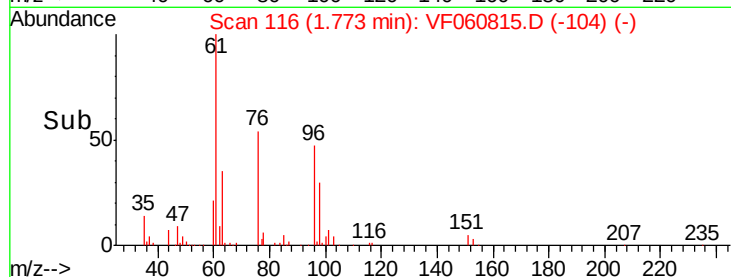
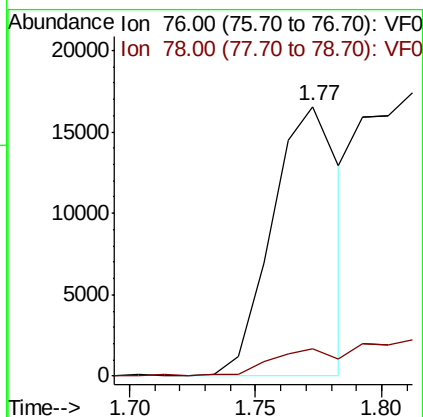
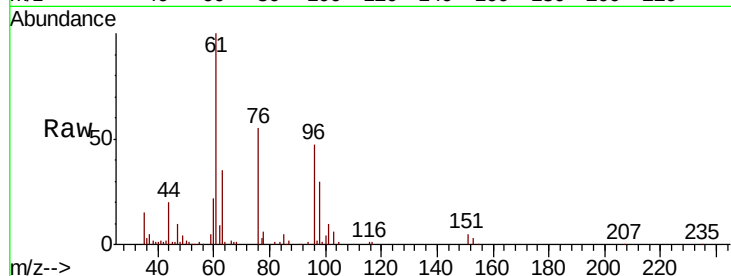
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 30957

Ion Ratio Lower Upper

76 100

78 10.1 10.5 15.7#



#18

Methyl Acetate

Concen: 76.993 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF060815.D

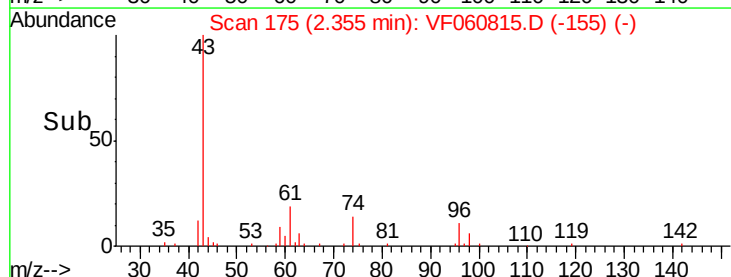
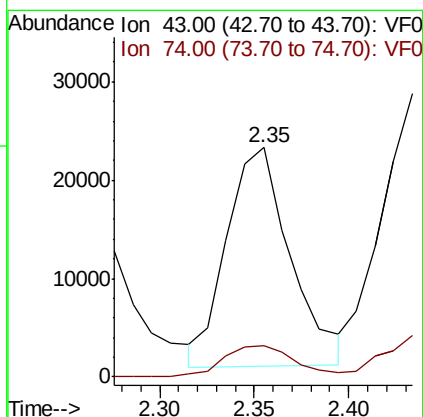
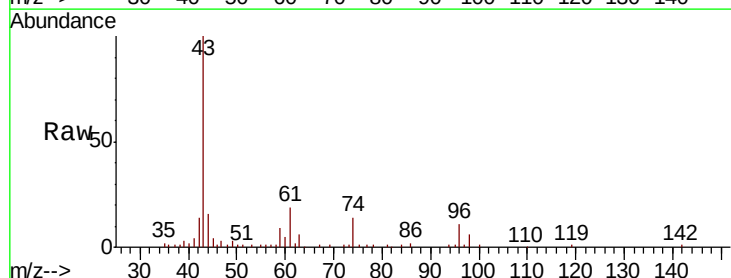
Acq: 20 Nov 2018 21:04

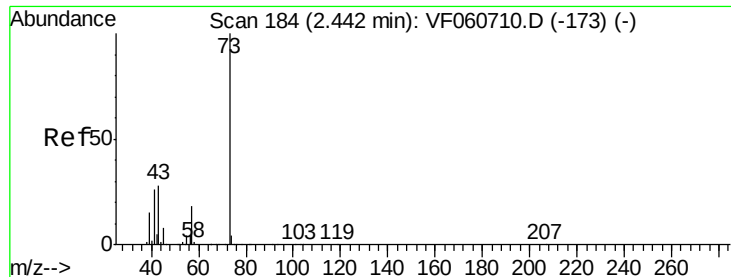
Tgt Ion: 43 Resp: 52107

Ion Ratio Lower Upper

43 100

74 13.8 11.8 17.8



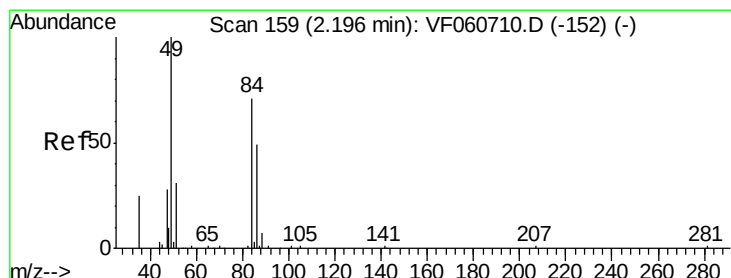
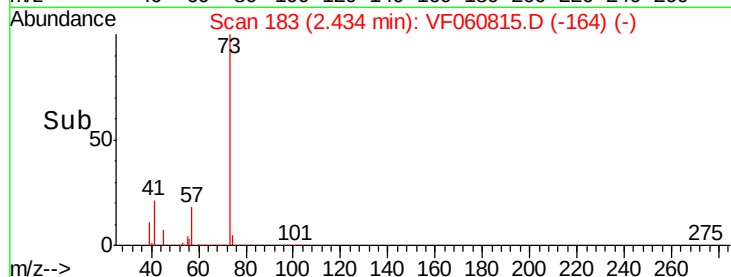
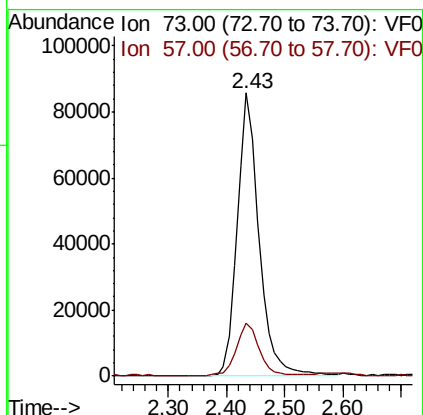
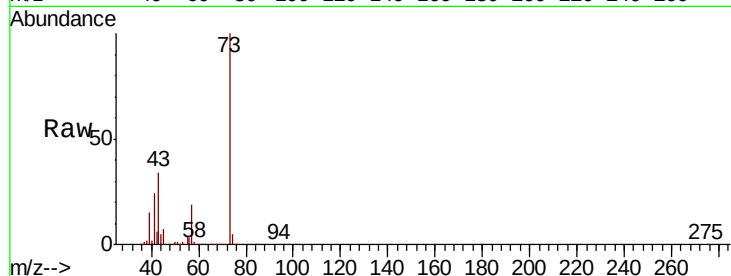


#19

Methyl tert-butyl Ether
 Concen: 67.793 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Instrument :
 MSVOA_F
 ClientSampleId :

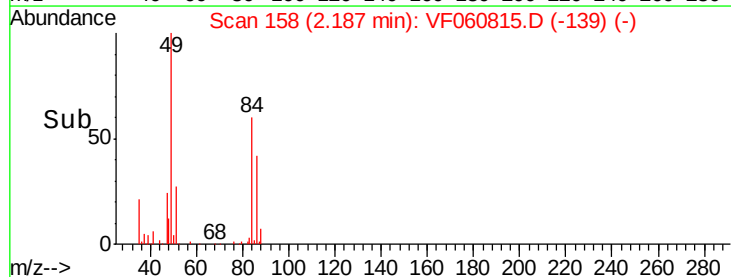
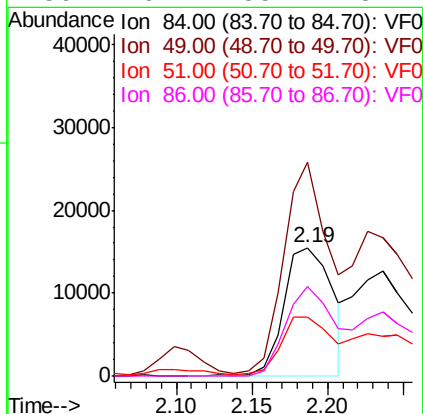
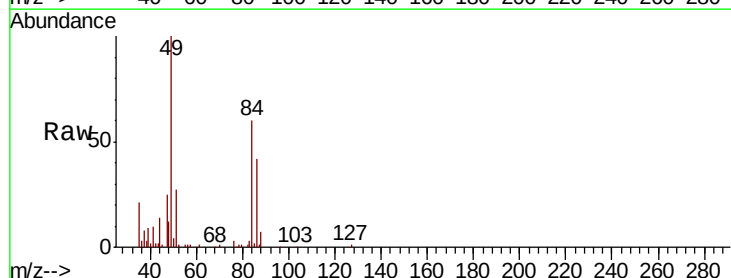
Tot Ion: 73 Resp: 224310
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.3 21.5

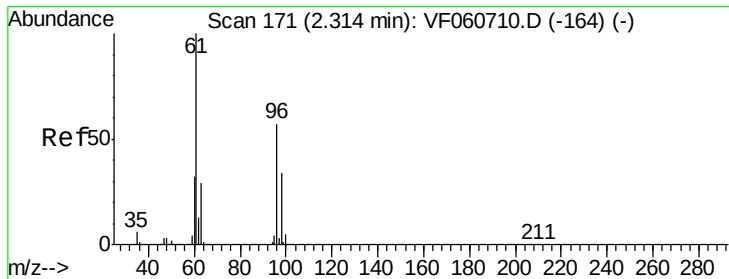


#20

Methylene Chloride
 Concen: 23.936 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion: 84 Resp: 34830
 Ion Ratio Lower Upper
 84 100
 49 166.2 120.2 180.4
 51 45.4 37.2 55.8
 86 70.1 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 41.464 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

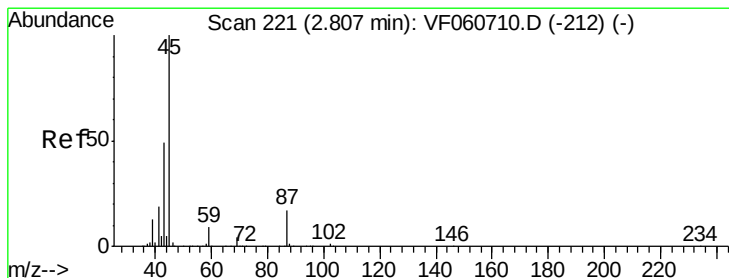
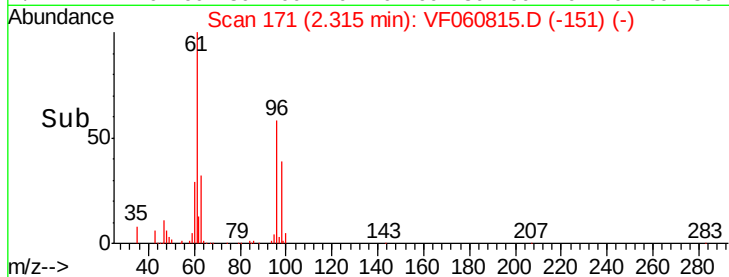
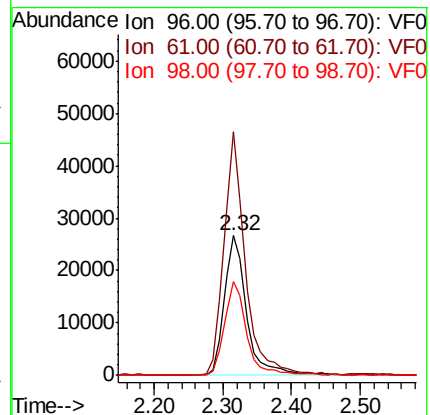
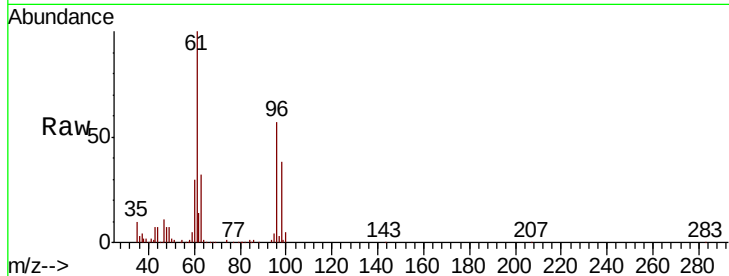
Tot Ion: 96 Resp: 59749

Ion Ratio Lower Upper

96 100

61 174.3 141.6 212.4

98 67.0 47.4 71.0



#22

Diisopropyl ether

Concen: 67.050 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion: 45 Resp: 312777

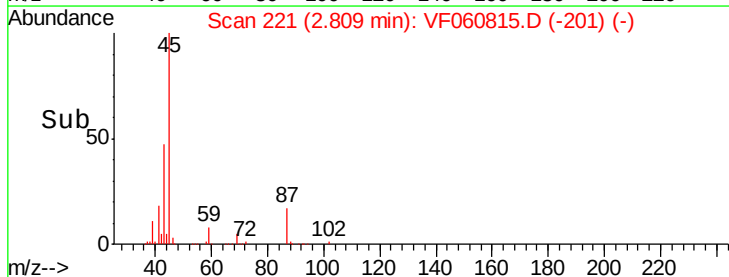
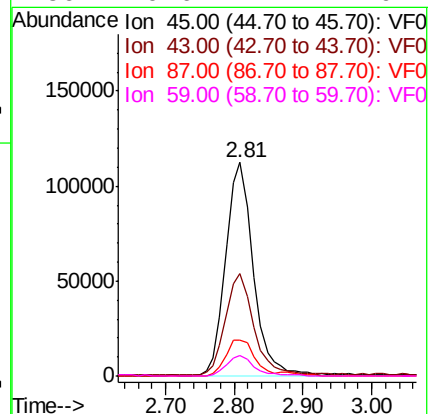
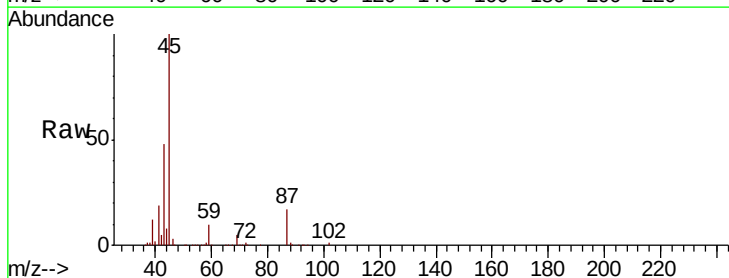
Ion Ratio Lower Upper

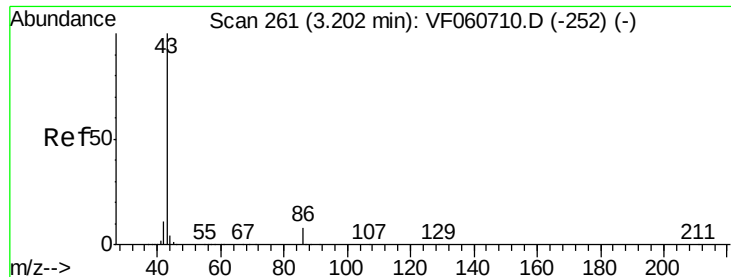
45 100

43 47.9 39.9 59.9

87 16.8 13.9 20.9

59 9.6 7.1 10.7





#23

Vinyl Acetate

Concen: 268.448 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

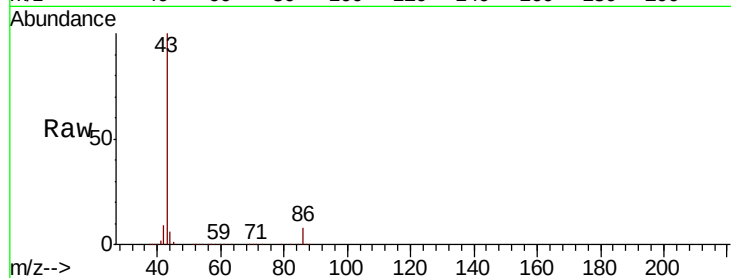
ClientSampleId :

Tot Ion: 43 Resp: 589689

Ion Ratio Lower Upper

43 100

86 7.6 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

250000

200000

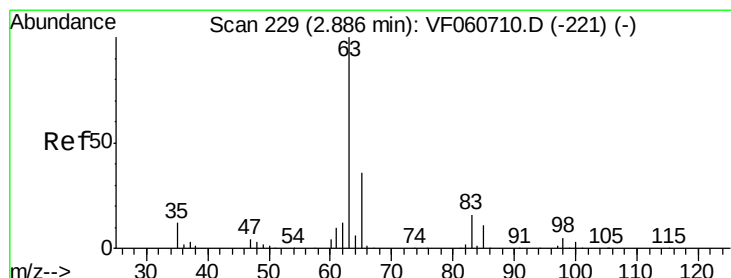
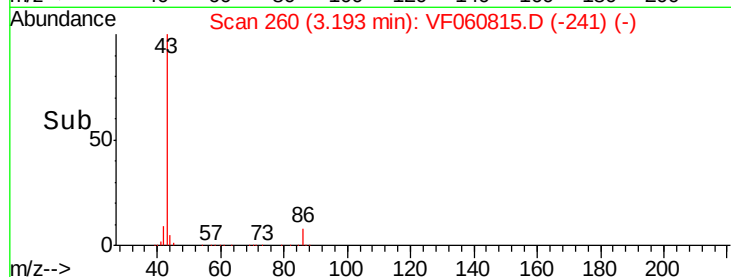
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 61.757 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

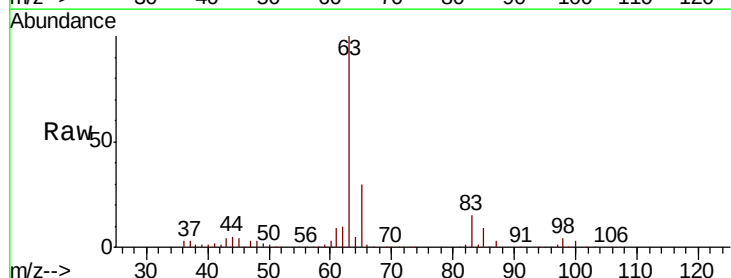
Tgt Ion: 63 Resp: 174413

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

100 3.0 1.4 4.2



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

2.88

80000

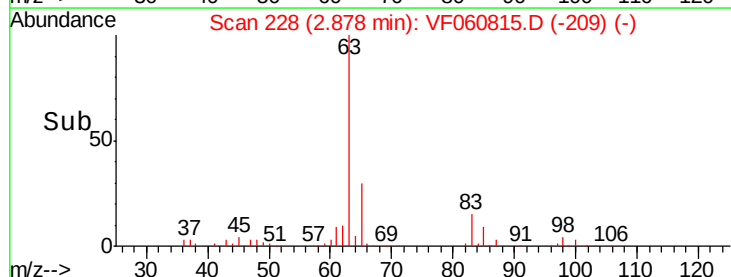
60000

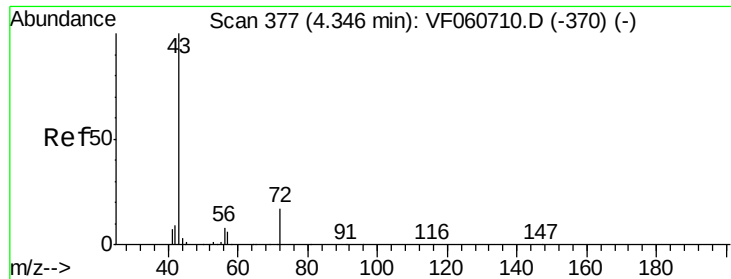
40000

20000

0

Time--> 2.80 3.00





#25

2-Butanone

Concen: 316.410 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

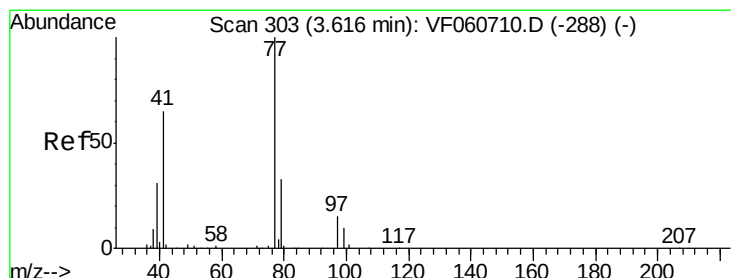
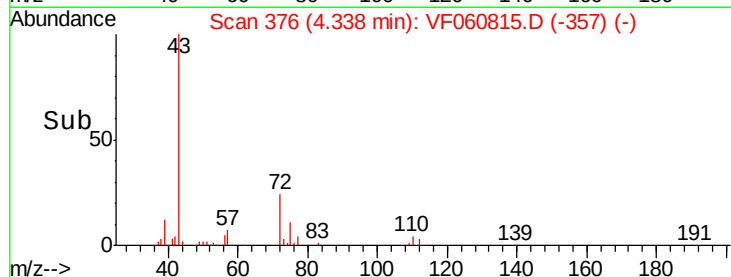
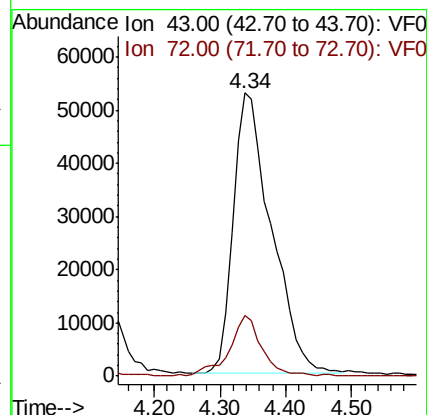
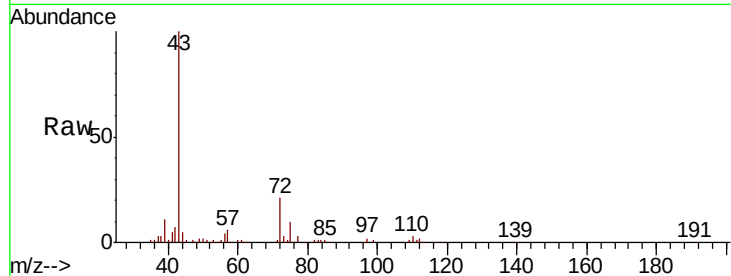
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 214502

Ion Ratio Lower Upper

43 100

72 21.3 16.1 24.1



#26

2,2-Dichloropropane

Concen: 53.482 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060815.D

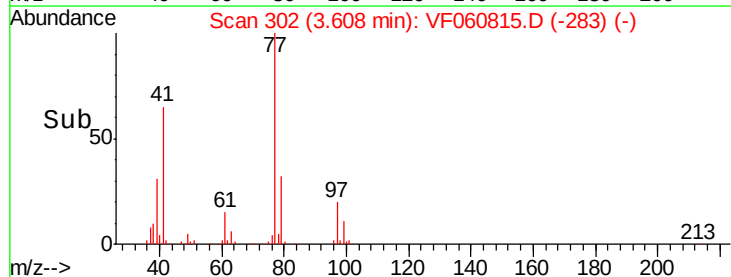
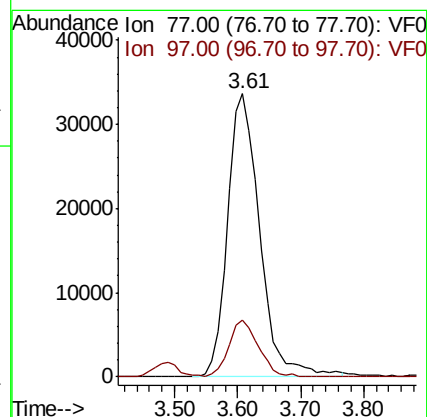
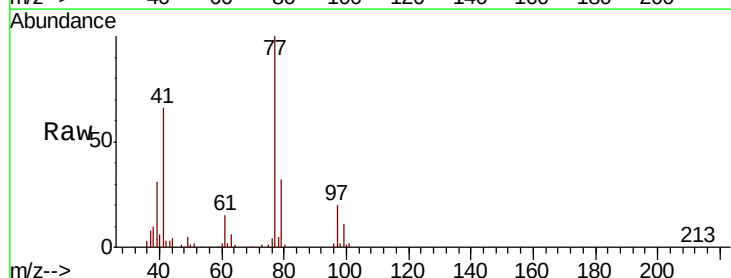
Acq: 20 Nov 2018 21:04

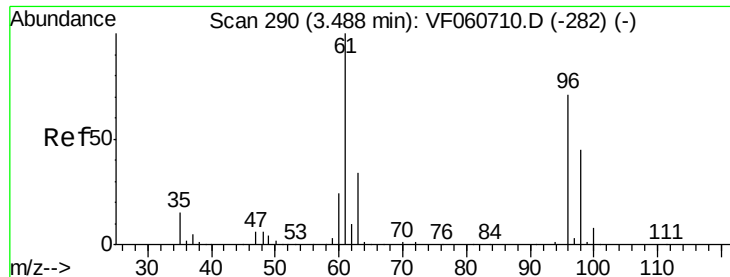
Tgt Ion: 77 Resp: 118858

Ion Ratio Lower Upper

77 100

97 20.1 8.8 26.5



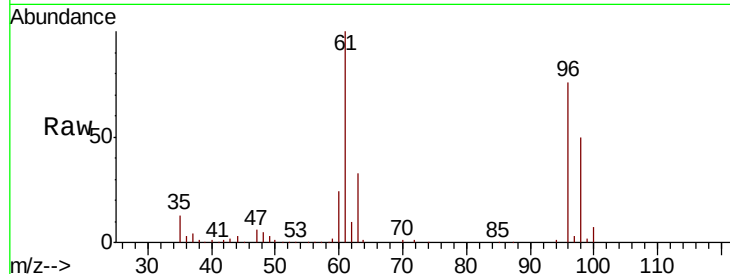


#27

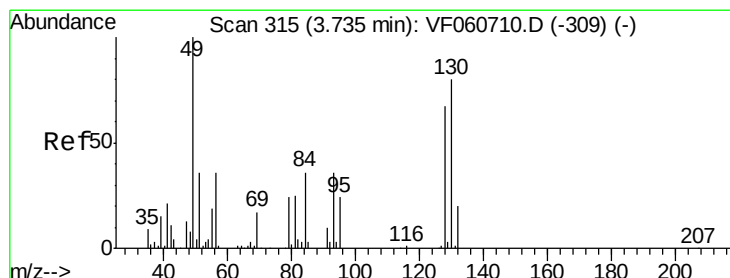
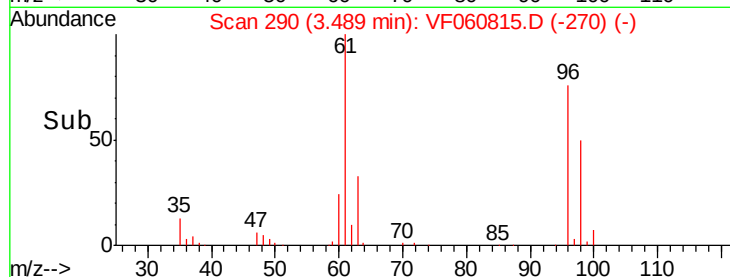
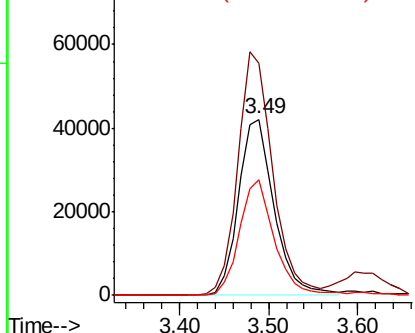
cis-1,2-Dichloroethene
Concen: 47.884 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	96	Resp	117377
Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	280.6
98	65.5	0.0	127.6



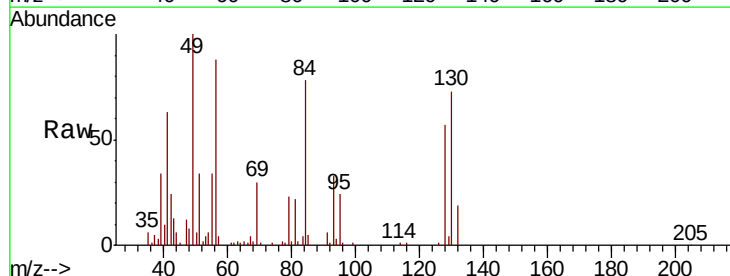
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



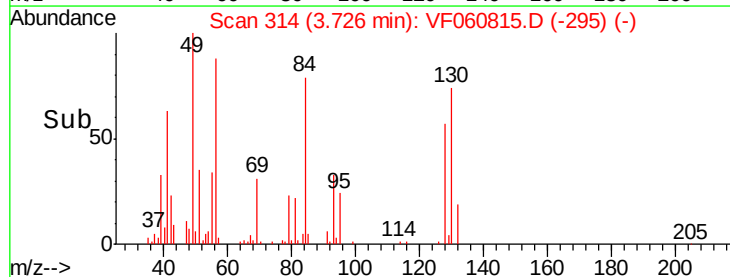
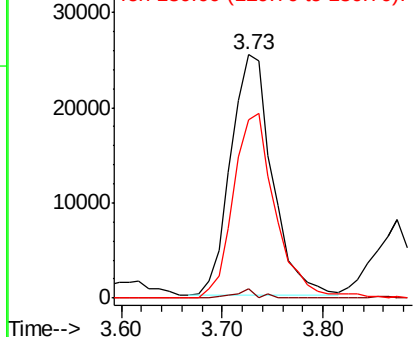
#28

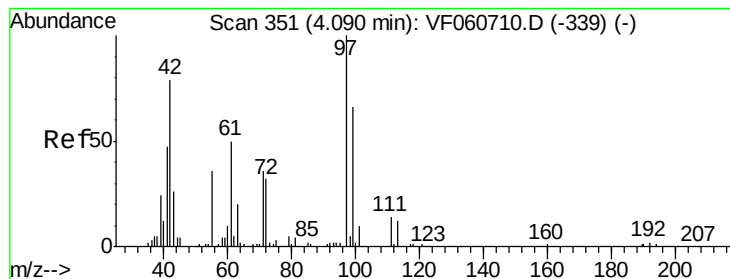
Bromochloromethane
Concen: 49.721 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	49	Resp	72976
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	5.2
130	73.1	63.9	95.9



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: 335.737 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampled :

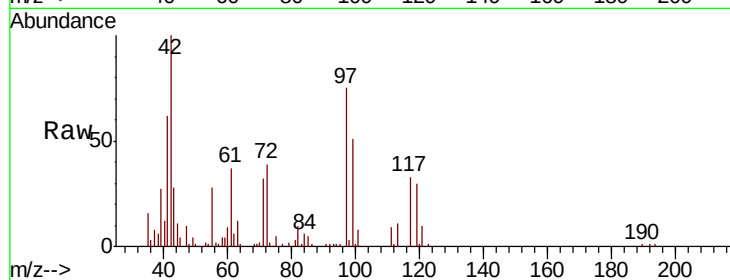
Tot Ion: 42 Resp: 93883

Ion Ratio Lower Upper

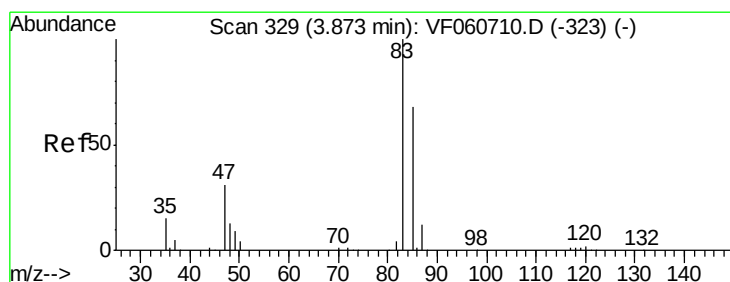
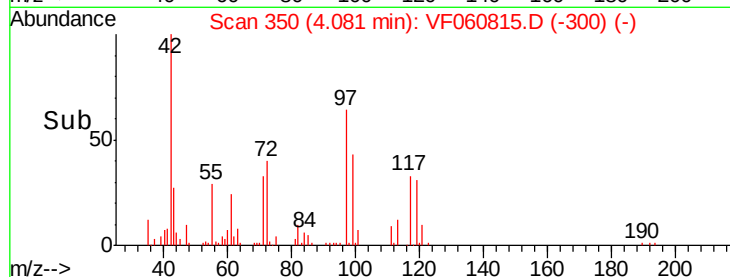
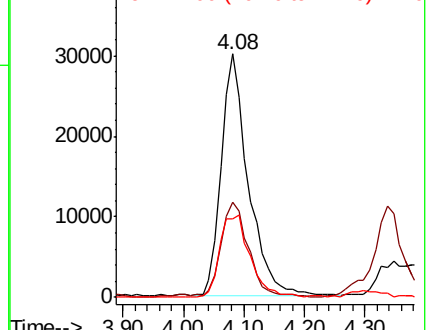
42 100

72 39.8 30.3 45.5

71 37.8 32.2 48.2



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



#30

Chloroform

Concen: 52.161 ug/l

RT: 3.87 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF060815.D

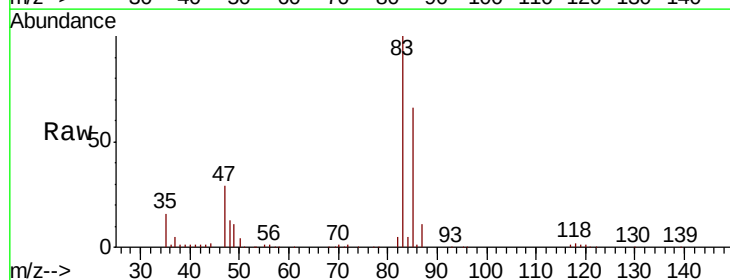
Acq: 20 Nov 2018 21:04

Tgt Ion: 83 Resp: 236357

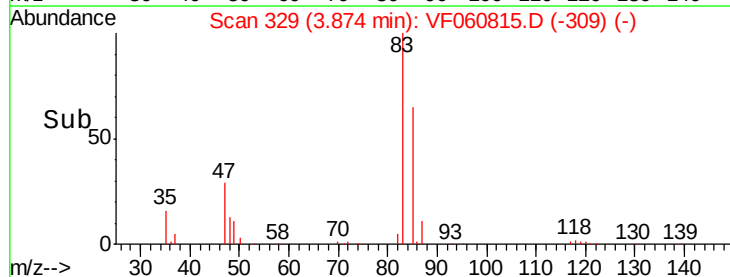
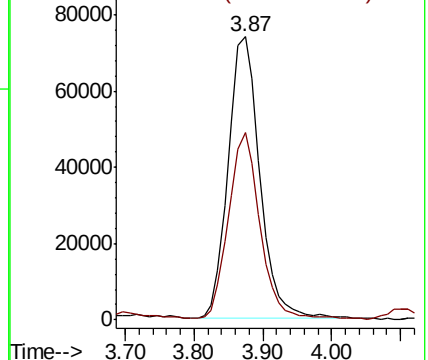
Ion Ratio Lower Upper

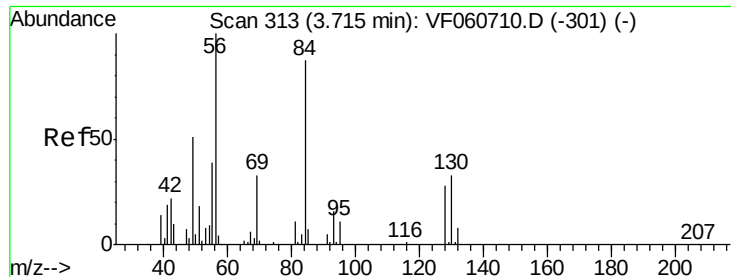
83 100

85 66.0 54.6 82.0



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

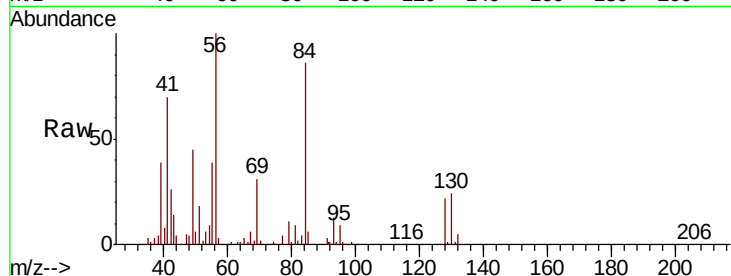




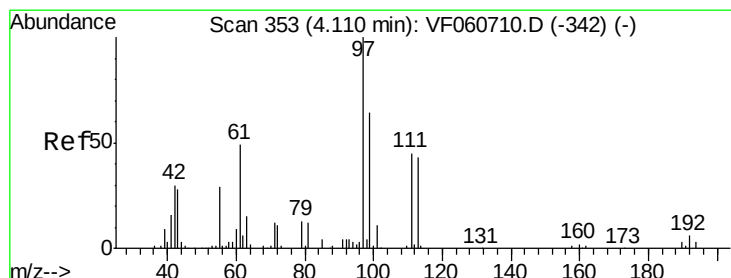
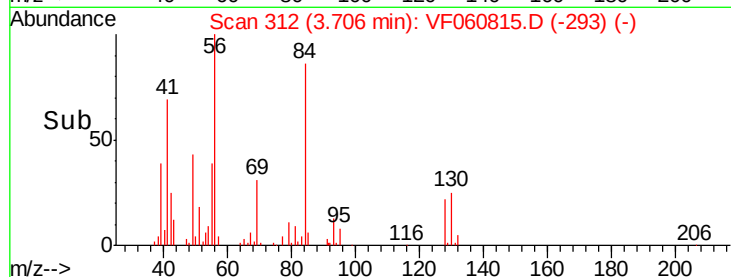
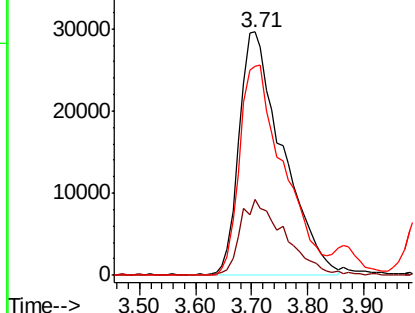
#31
Cyclohexane
Concen: 46.600 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 159728
Ion Ratio Lower Upper
56 100
69 31.0 26.0 39.0
84 85.7 69.4 104.2

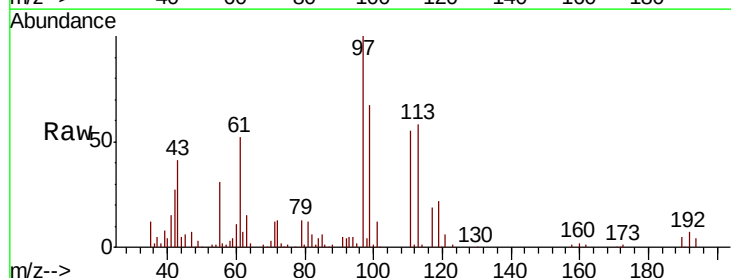


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

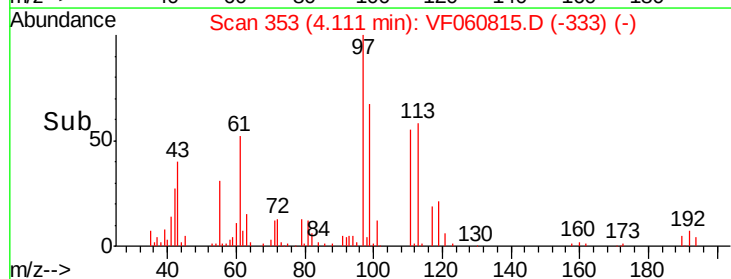
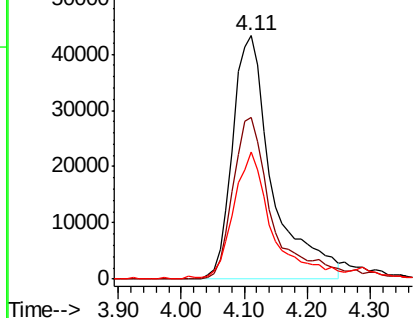


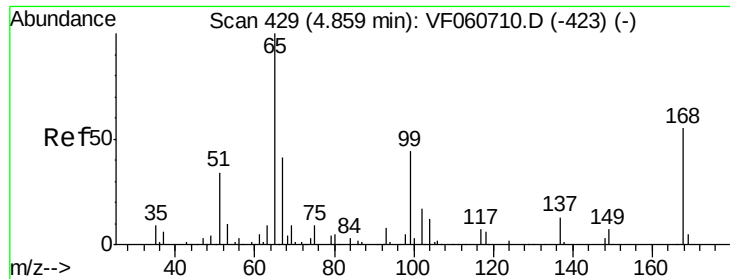
#32
1,1,1-Trichloroethane
Concen: 53.116 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion: 97 Resp: 189534
Ion Ratio Lower Upper
97 100
99 66.5 51.1 76.7
61 52.4 40.1 60.1



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

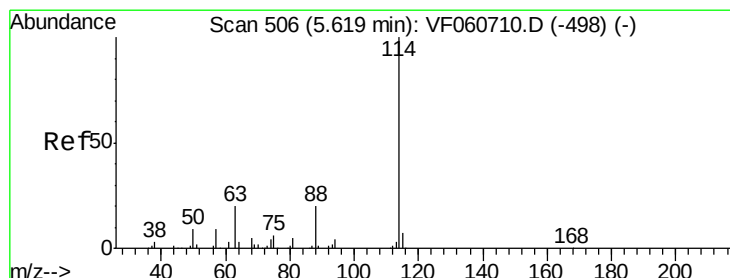
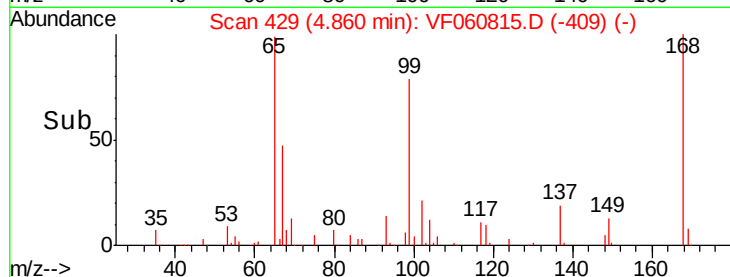
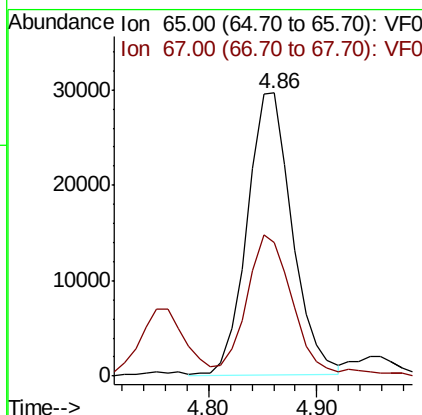
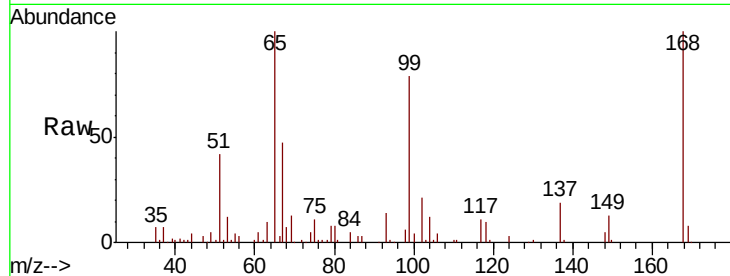




#33
 1,2-Dichloroethane-d4
 Concen: 44.635 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

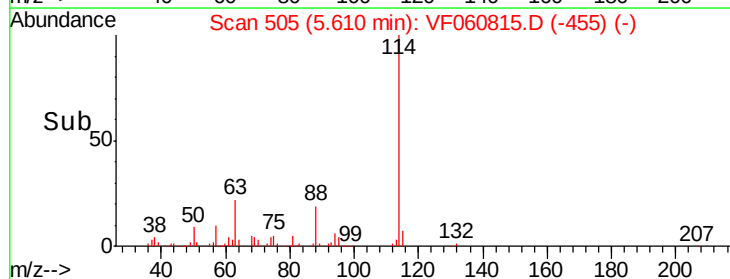
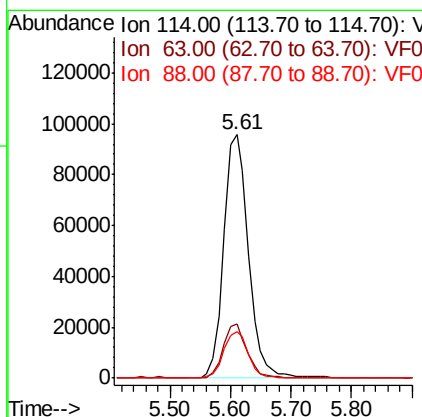
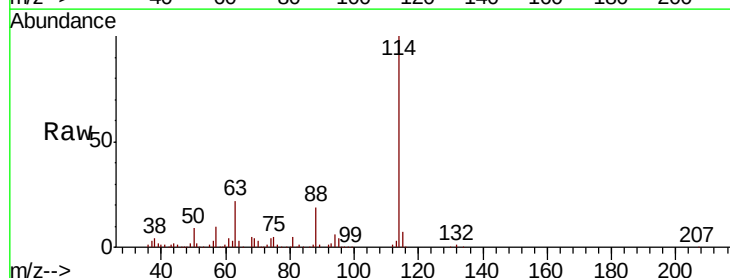
Instrument :
 MSVOA_F
 ClientSampleId :

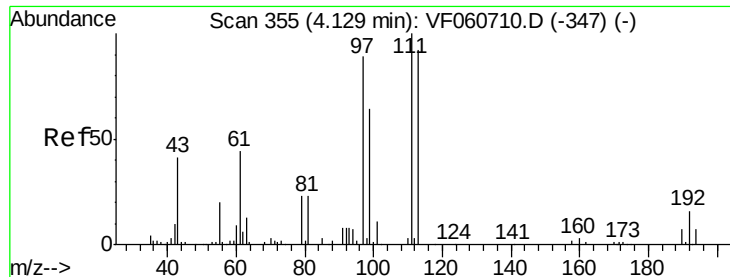
Tot Ion: 65 Resp: 86068
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion: 114 Resp: 272484
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 40.8
 88 19.3 0.0 39.6

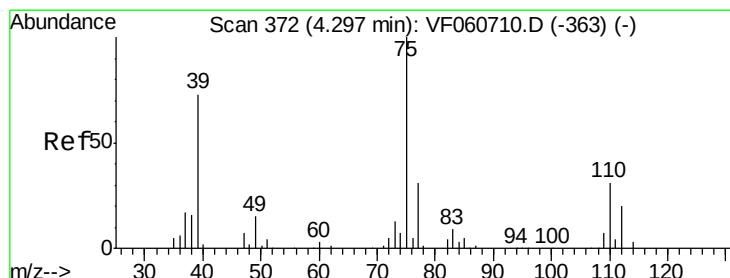
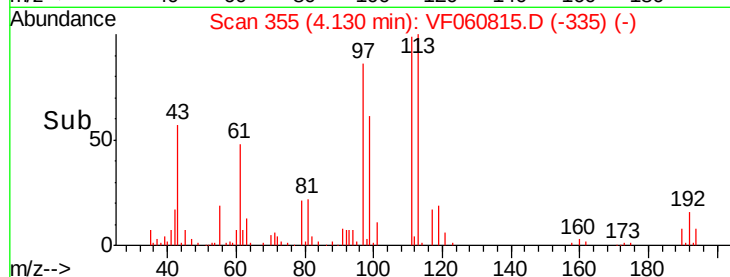
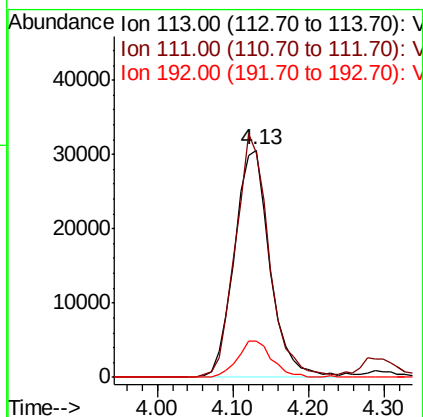
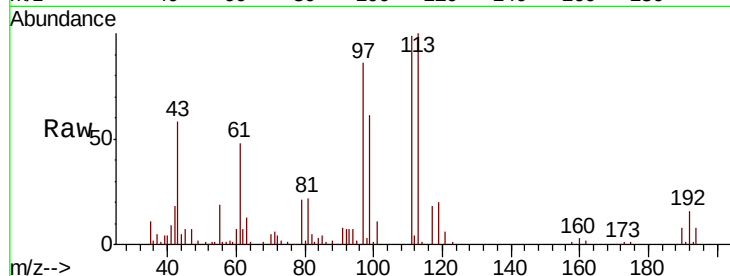




#35
 Dibromofluoromethane
 Concen: 48.709 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

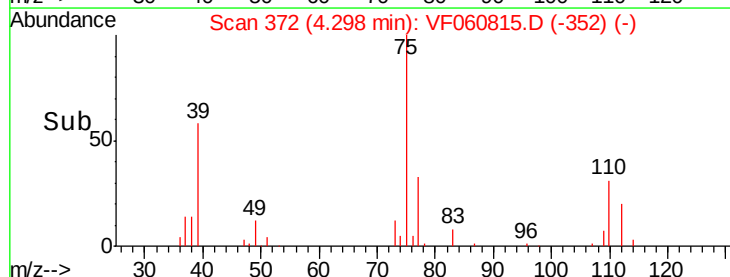
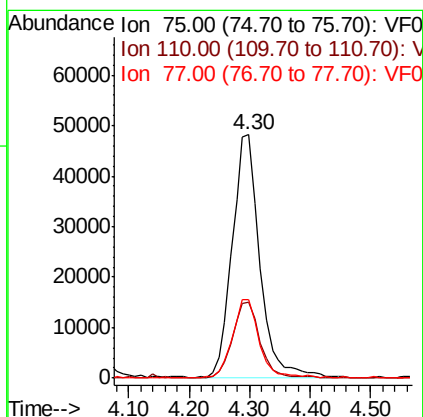
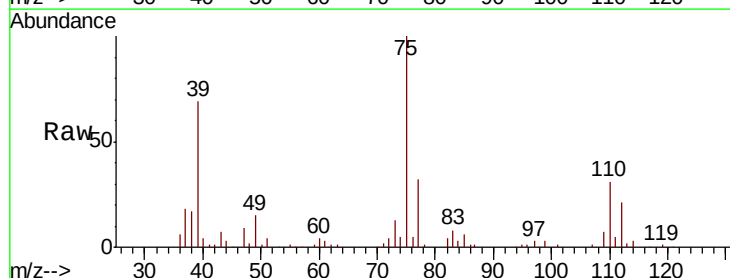
Instrument :
 MSVOA_F
 ClientSampleId :

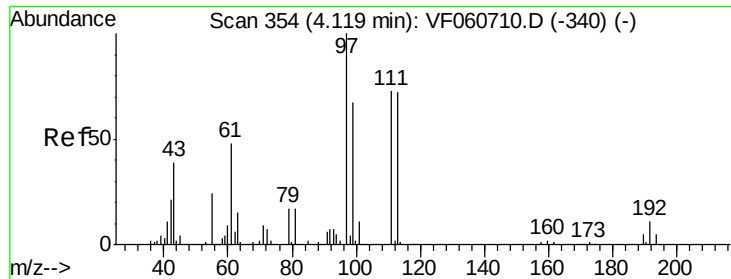
Tot Ion:113 Resp: 99768
 Ion Ratio Lower Upper
 113 100
 111 98.8 87.1 130.7
 192 16.1 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 48.018 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion: 75 Resp: 151744
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.6 46.8
 77 32.3 25.0 37.6

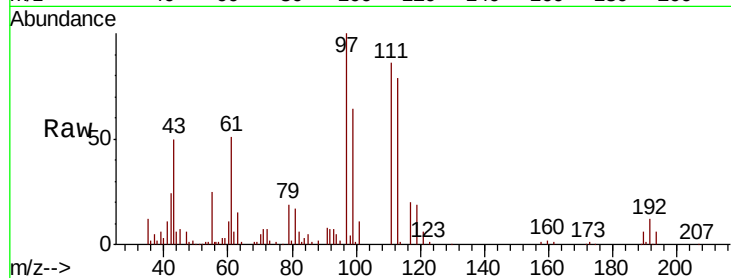




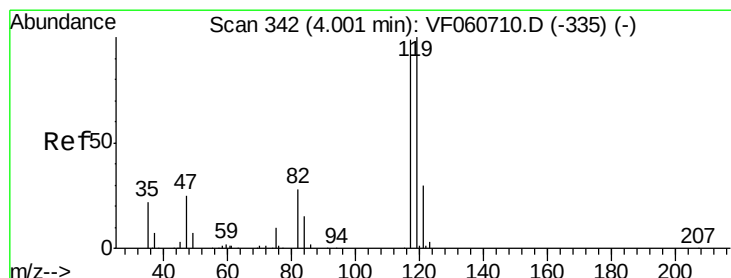
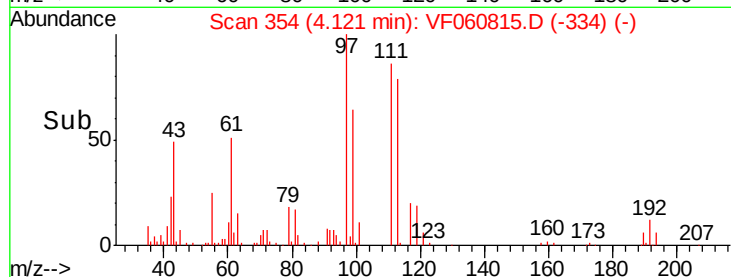
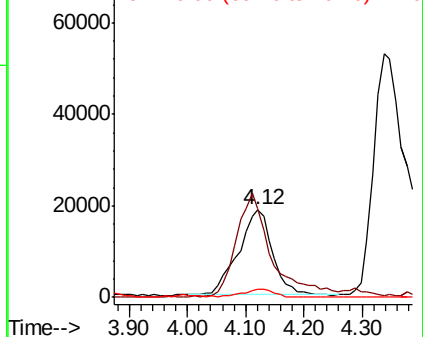
#37
Ethyl Acetate
Concen: 65.118 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 76506
Ion Ratio Lower Upper
43 100
61 101.7 98.5 147.7
70 10.0 7.4 11.0

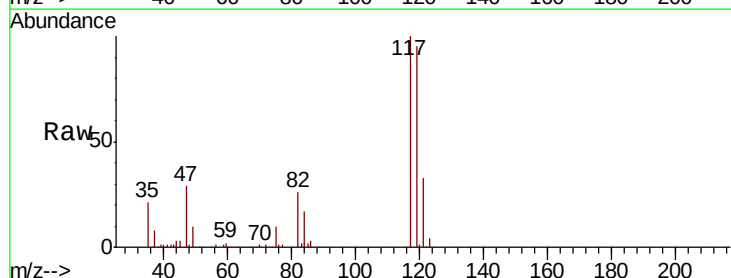


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

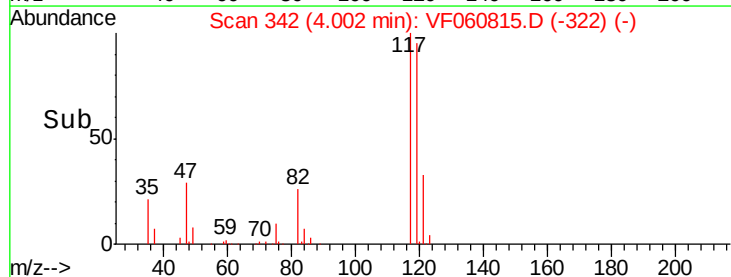
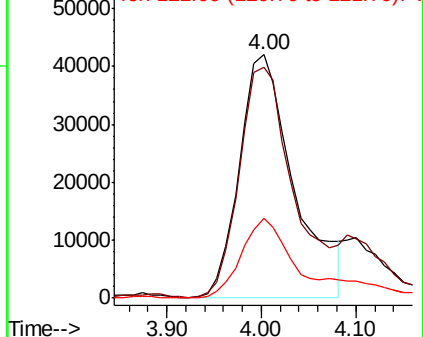


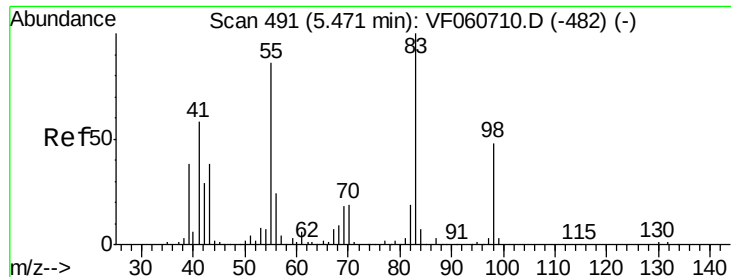
#38
Carbon Tetrachloride
Concen: 54.878 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion: 117 Resp: 168274
Ion Ratio Lower Upper
117 100
119 94.7 80.7 121.1
121 32.9 24.3 36.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

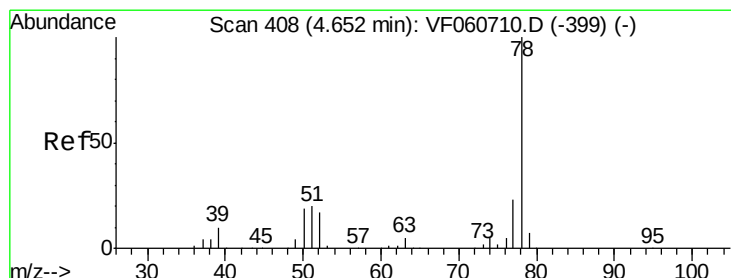
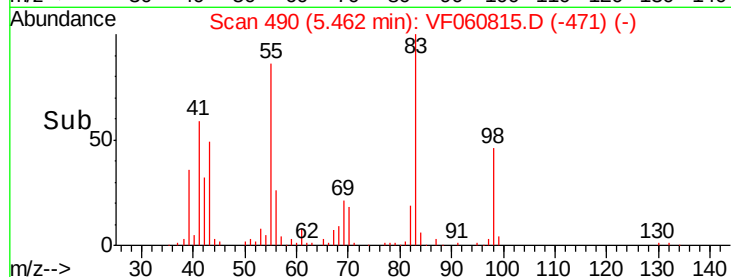
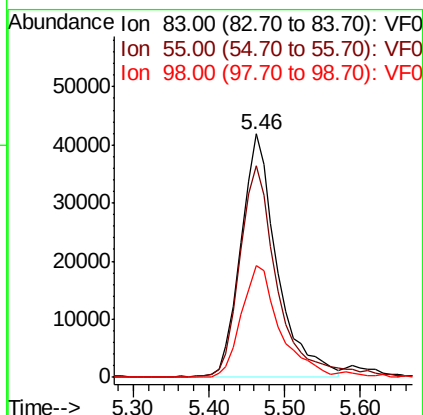
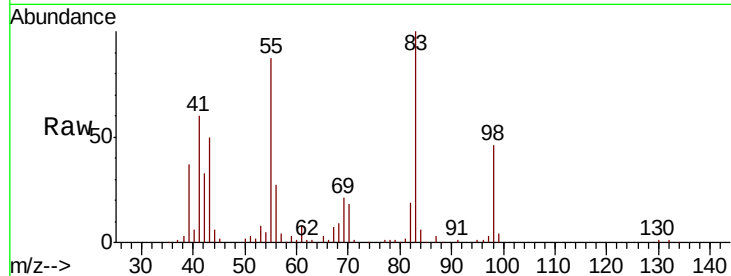




#39
Methylvlcyclohexane
Concen: 38.131 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

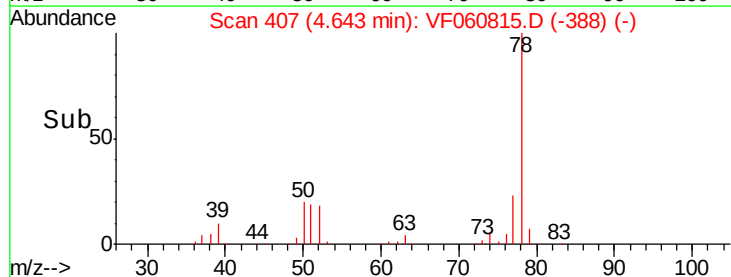
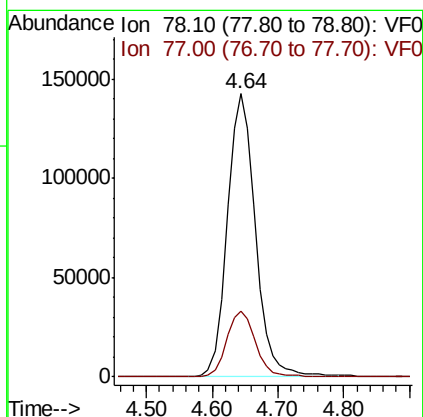
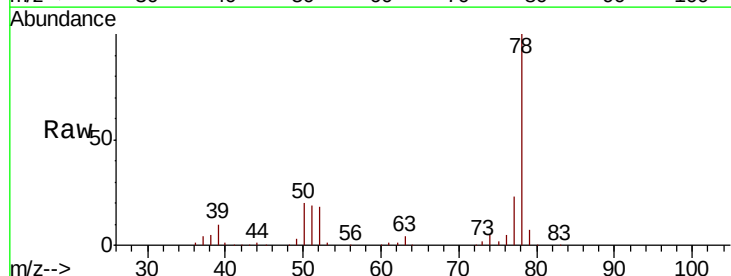
Instrument :
MSVOA_F
ClientSampled :

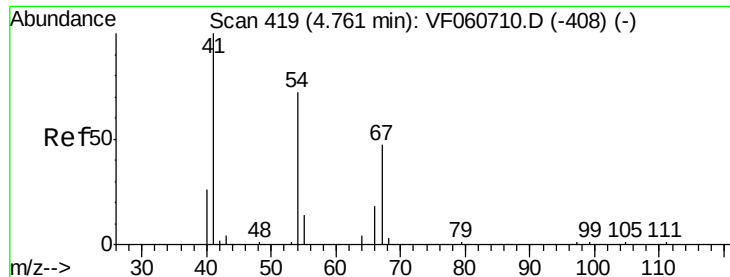
Tot Ion: 83 Resp: 139799
Ion Ratio Lower Upper
83 100
55 86.8 69.0 103.4
98 46.0 38.5 57.7



#40
Benzene
Concen: 60.819 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion: 78 Resp: 428437
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0





#41

Methacrylonitrile

Concen: 67.377 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 41262

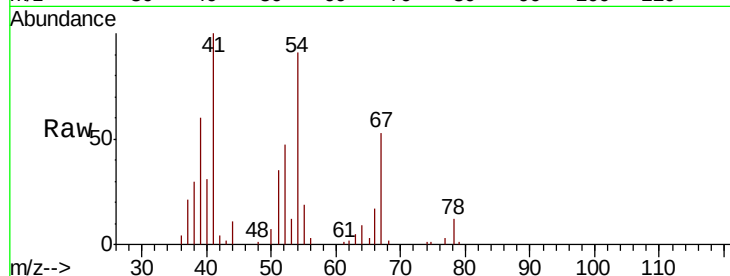
Ion Ratio Lower Upper

41 100

39 59.6 47.1 70.7

67 52.8 37.1 55.7

52 46.7 39.3 58.9



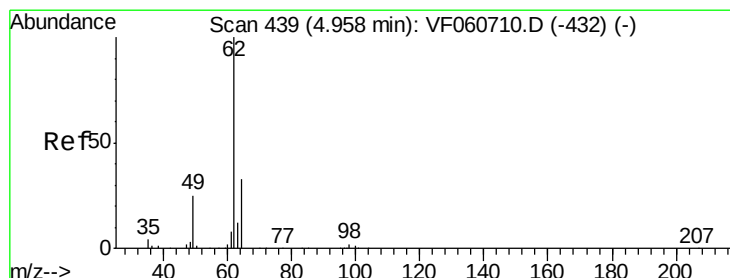
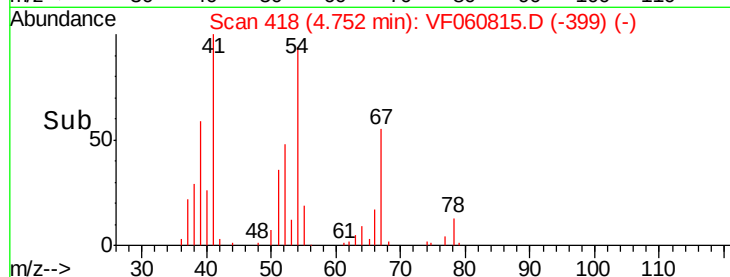
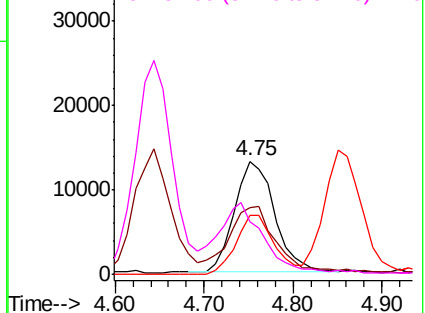
Abundance

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: 53.871 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF060815.D

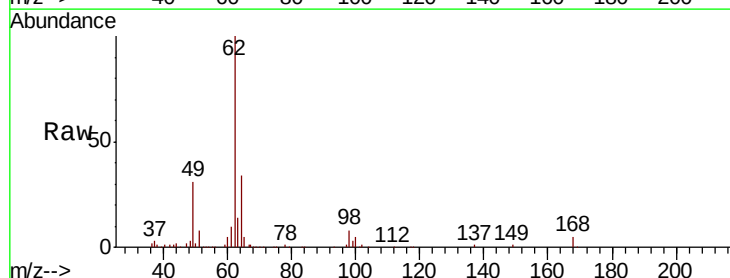
Acq: 20 Nov 2018 21:04

Tgt Ion: 62 Resp: 131141

Ion Ratio Lower Upper

62 100

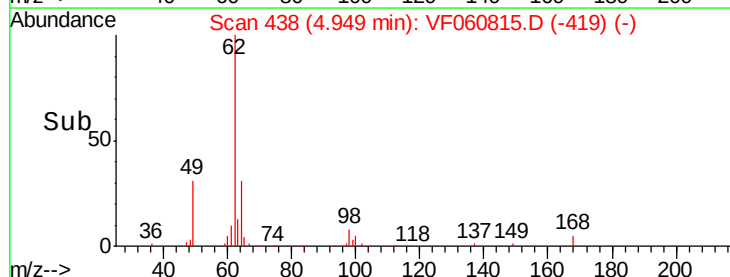
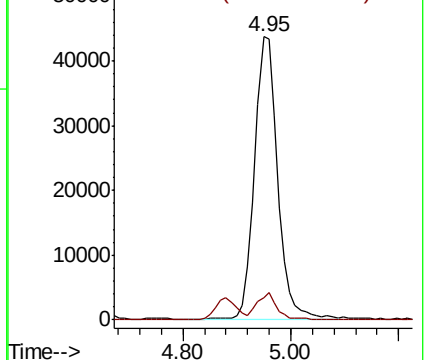
98 8.1 0.0 16.6

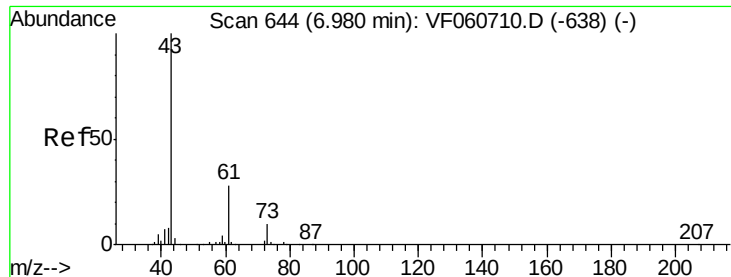


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 58.234 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

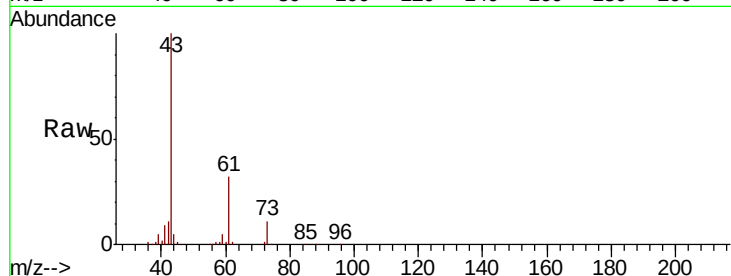
Tot Ion: 43 Resp: 90714

Ion Ratio Lower Upper

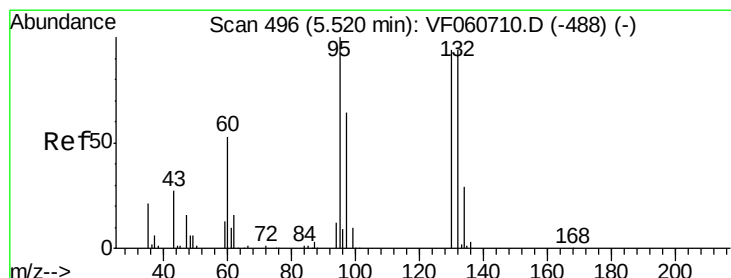
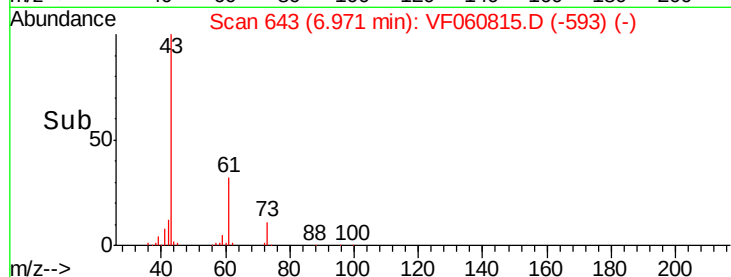
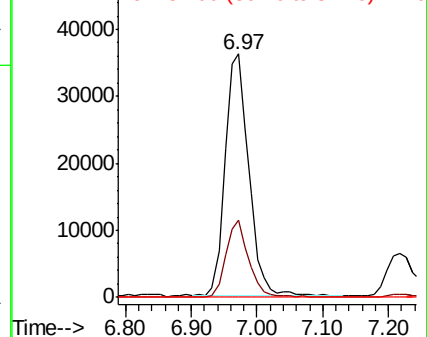
43 100

61 31.7 22.2 33.4

87 0.0 0.4 0.6#



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: 47.862 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.01 min

Lab File: VF060815.D

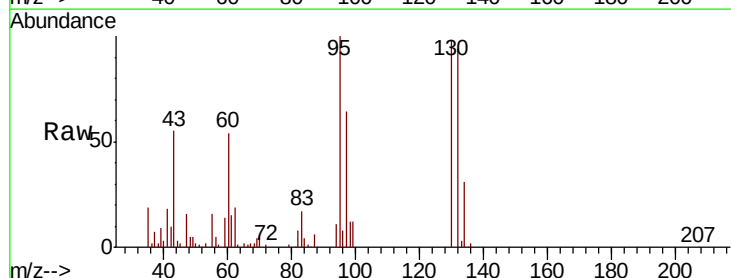
Acq: 20 Nov 2018 21:04

Tgt Ion:130 Resp: 106375

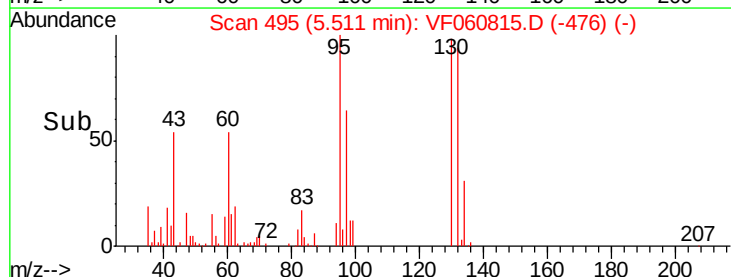
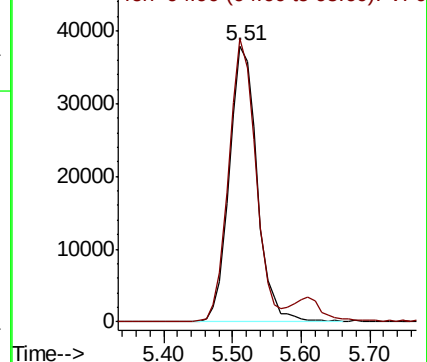
Ion Ratio Lower Upper

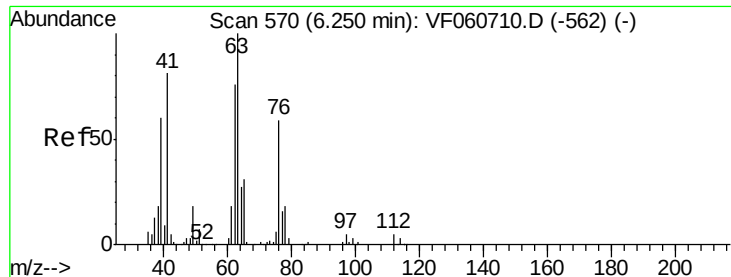
130 100

95 102.5 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0

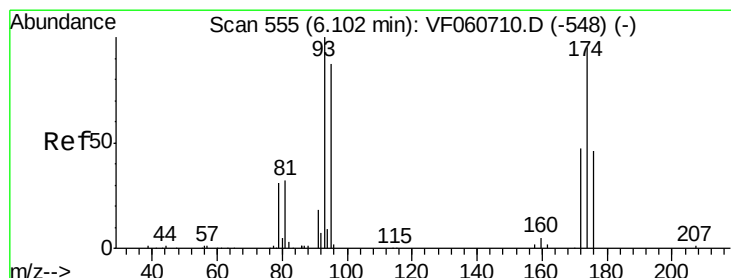
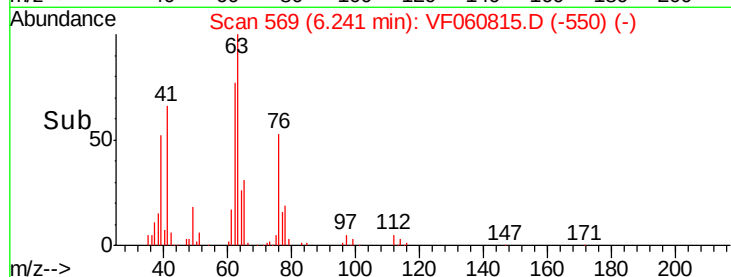
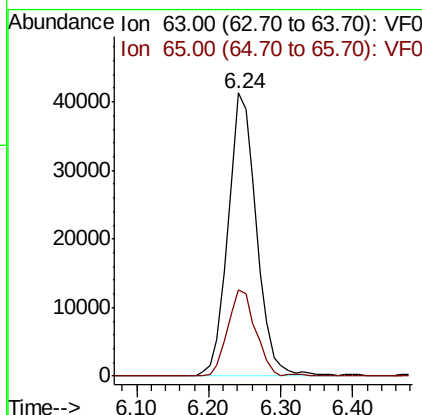
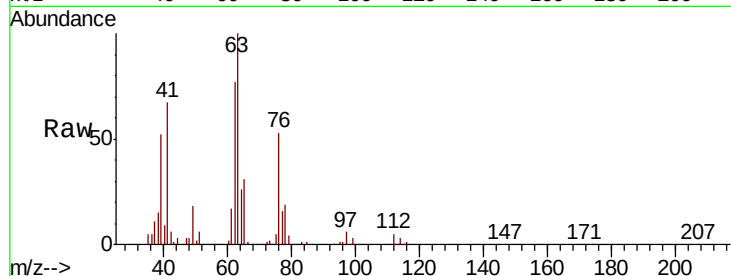




#45
 1,2-Dichloropropane
 Concen: 61.810 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

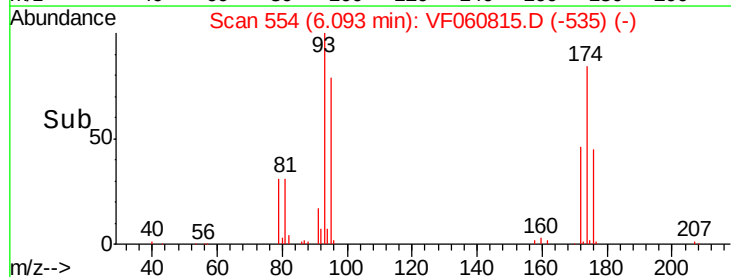
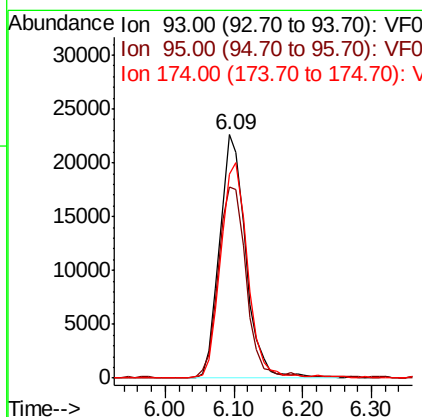
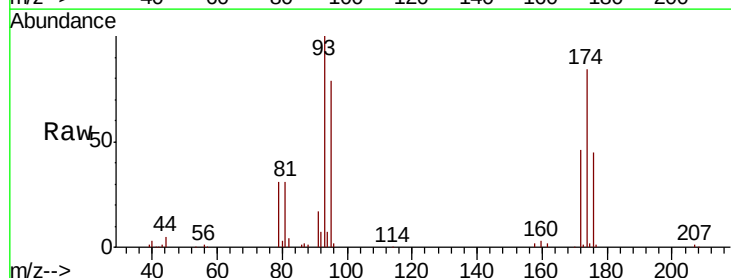
Instrument :
 MSVOA_F
 ClientSampled :

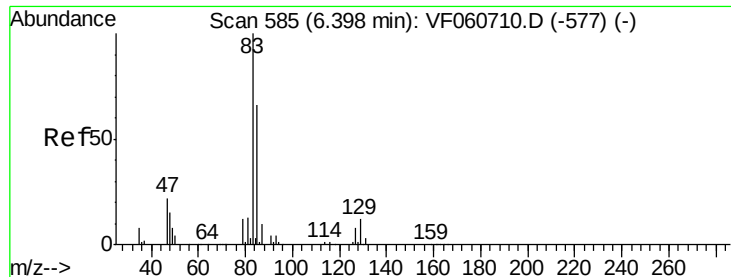
Tot Ion: 63 Resp: 113303
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8



#46
 Dibromomethane
 Concen: 49.268 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion: 93 Resp: 59616
 Ion Ratio Lower Upper
 93 100
 95 78.6 69.5 104.3
 174 83.7 76.2 114.2





#47

Bromodichloromethane

Concen: 54.768 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

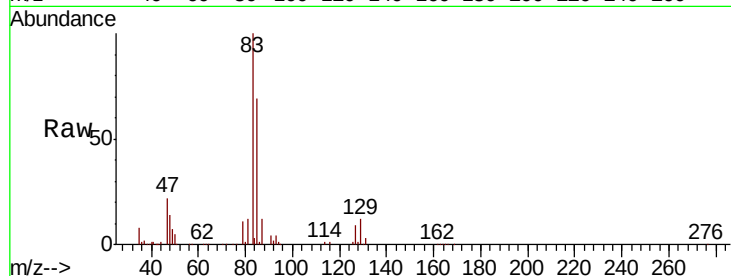
Tot Ion: 83 Resp: 169231

Ion Ratio Lower Upper

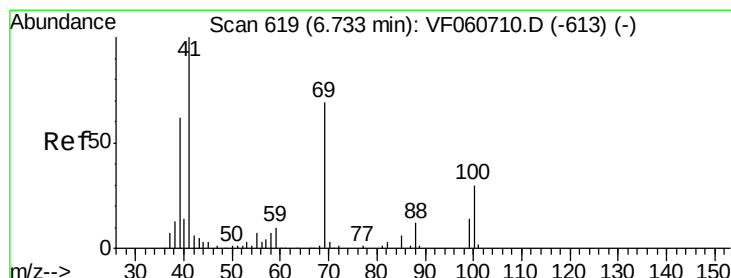
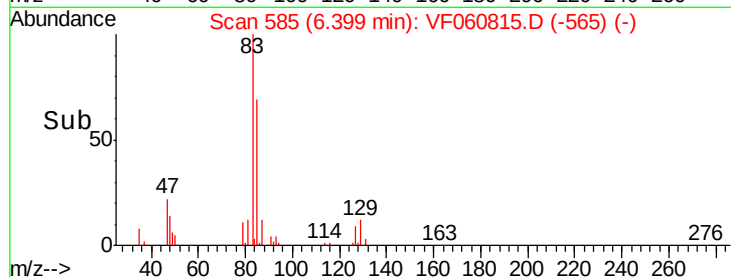
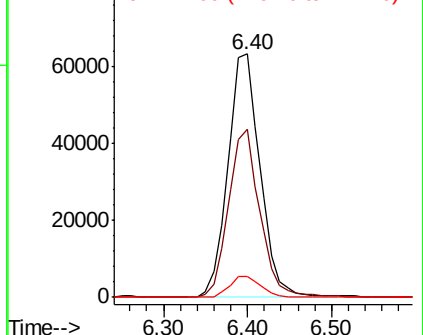
83 100

85 68.9 52.4 78.6

127 8.5 6.8 10.2



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: 60.217 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

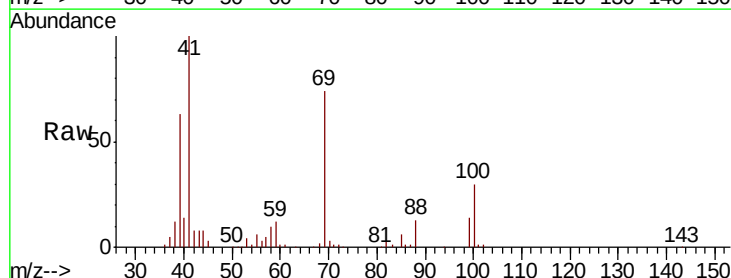
Tgt Ion: 41 Resp: 62080

Ion Ratio Lower Upper

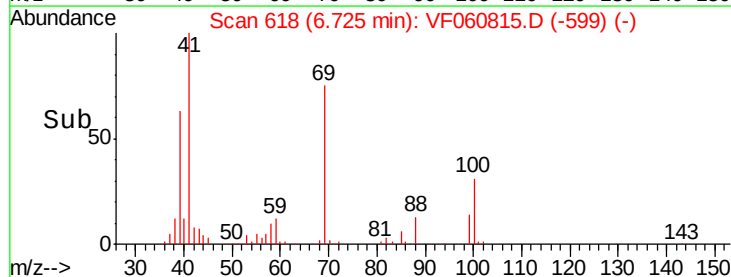
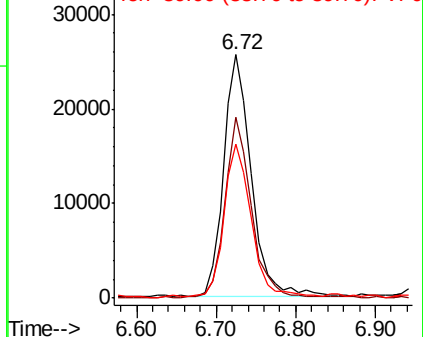
41 100

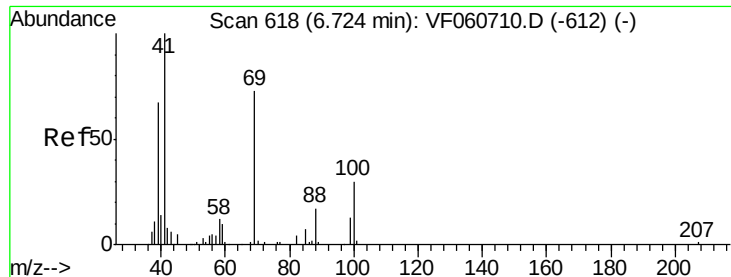
69 74.2 54.9 82.3

39 63.3 49.6 74.4



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

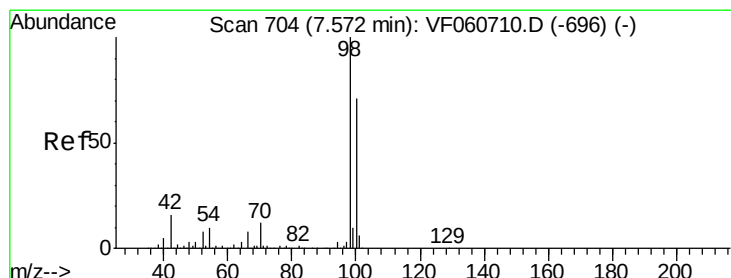
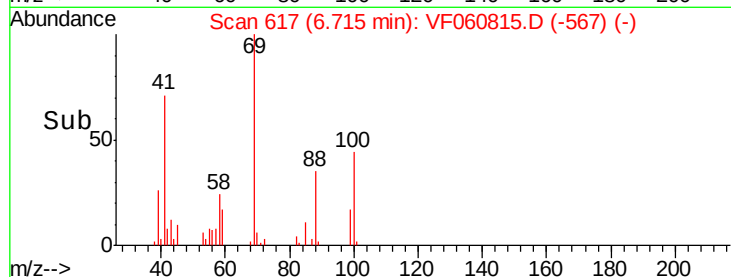
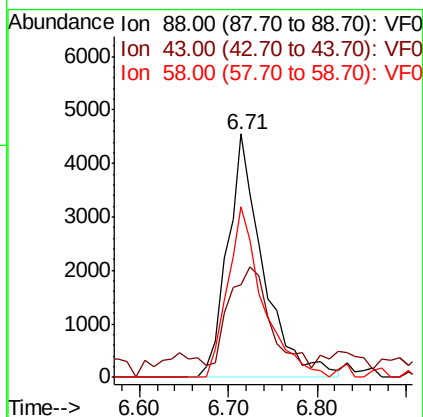
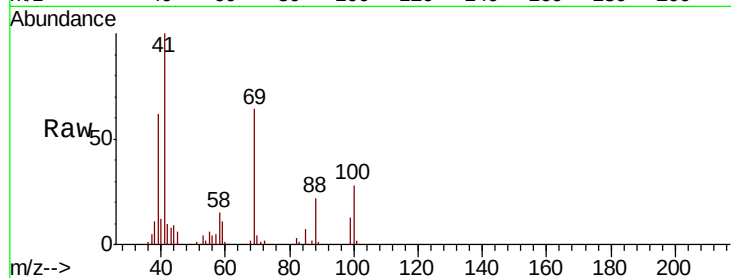




#49
1,4-Dioxane
Concen: 1315.732 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

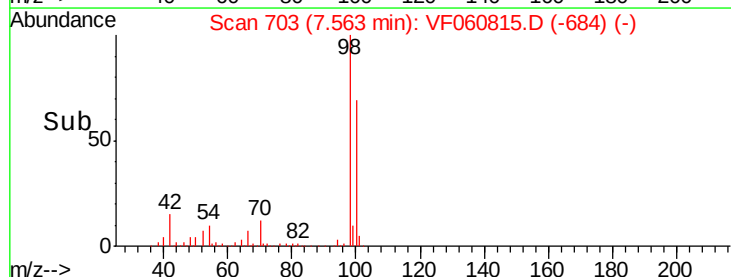
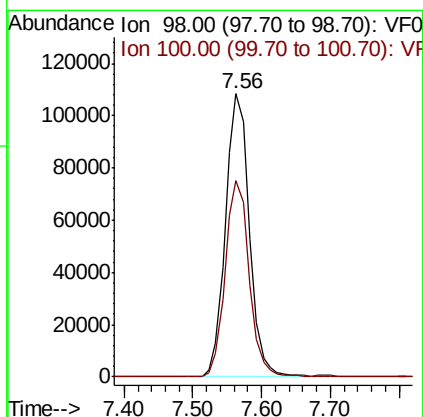
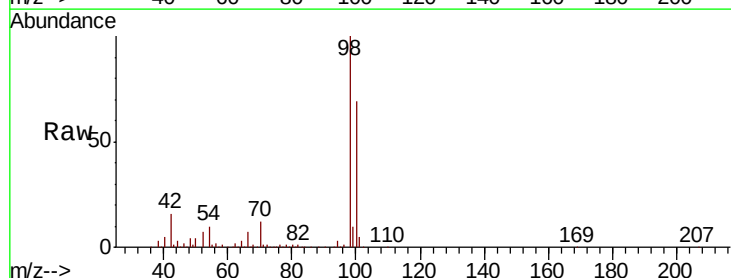
Instrument :
MSVOA_F
ClientSampleId :

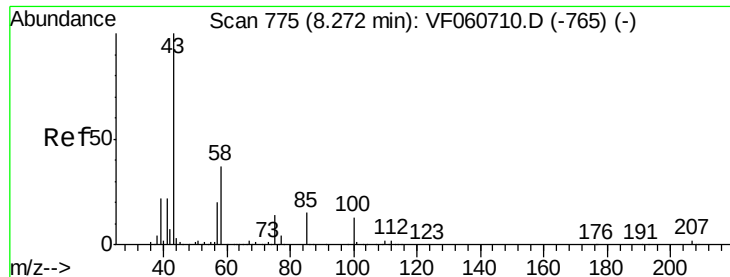
Tot Ion	88	Resp	12686
Ion	Ratio	Lower	Upper
88	100		
43	38.1	44.6	66.8#
58	69.9	54.5	81.7



#50
Toluene-d8
Concen: 49.632 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	98	Resp	261008
Ion	Ratio	Lower	Upper
98	100		
100	69.3	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 323.399 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

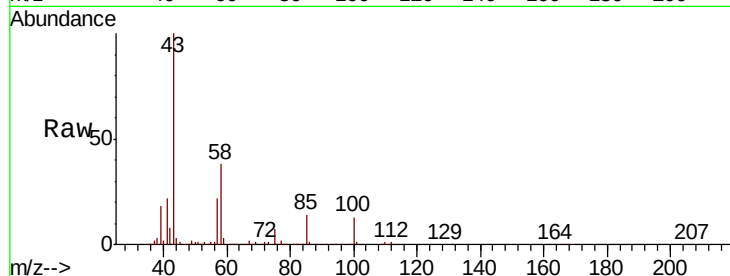
ClientSampled :

Tot Ion: 43 Resp: 364353

Ion Ratio Lower Upper

43 100

58 38.0 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

100000

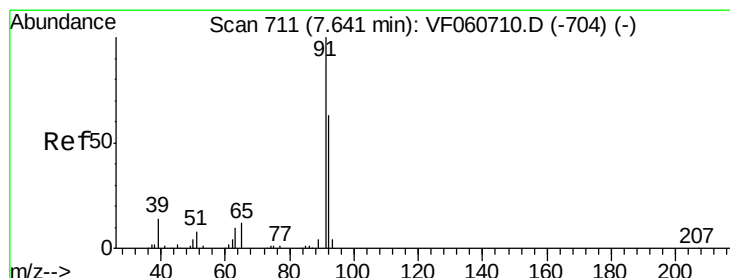
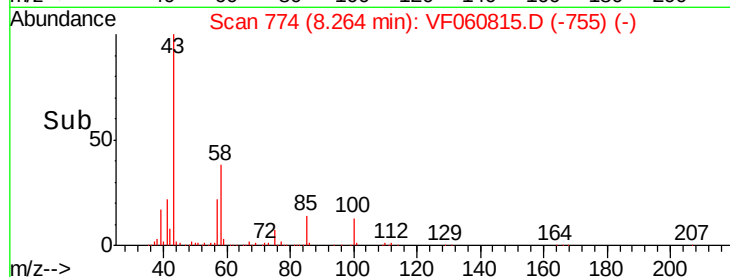
50000

0

8.26

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 51.674 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060815.D

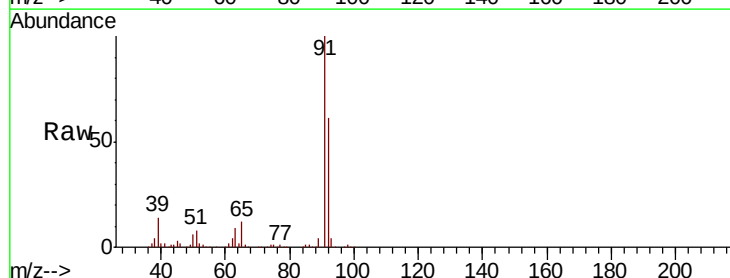
Acq: 20 Nov 2018 21:04

Tgt Ion: 92 Resp: 243937

Ion Ratio Lower Upper

92 100

91 164.3 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

100000

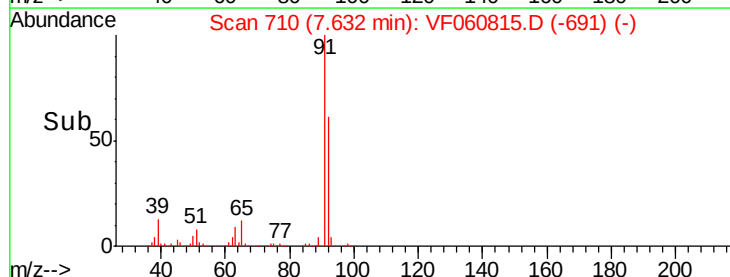
50000

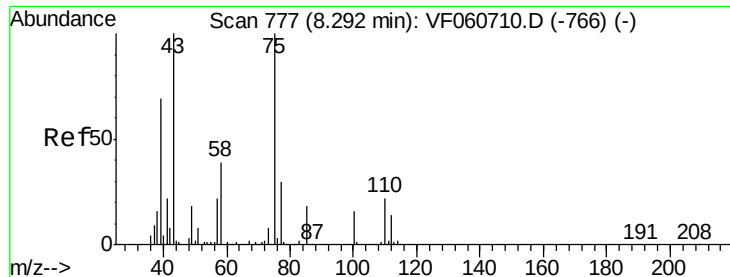
0

7.63

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 39.582 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

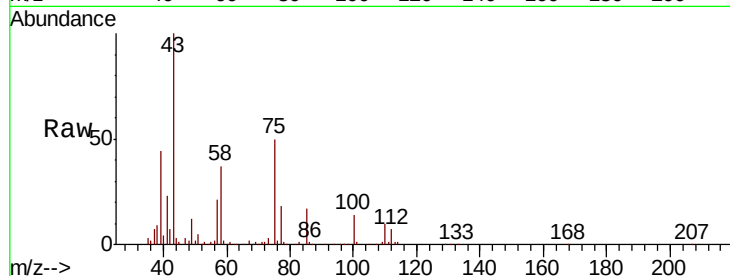
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 97962

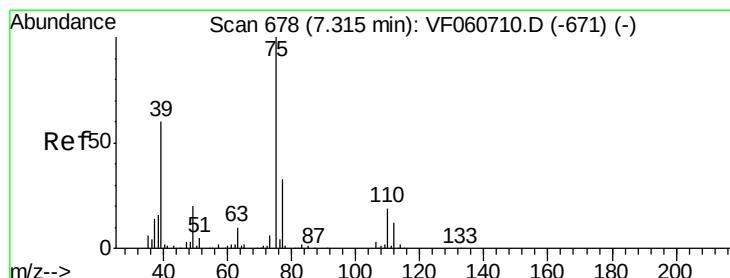
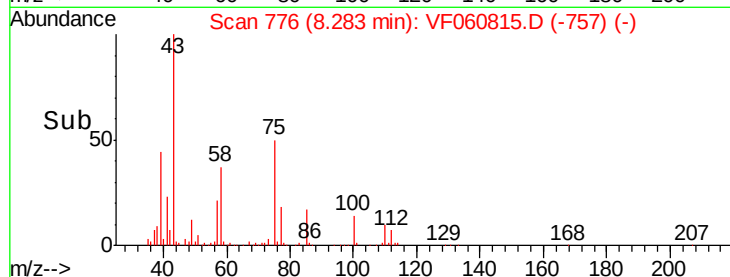
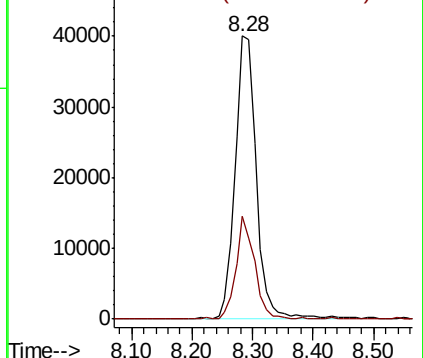
Ion Ratio Lower Upper

75 100

77 36.1 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 45.776 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

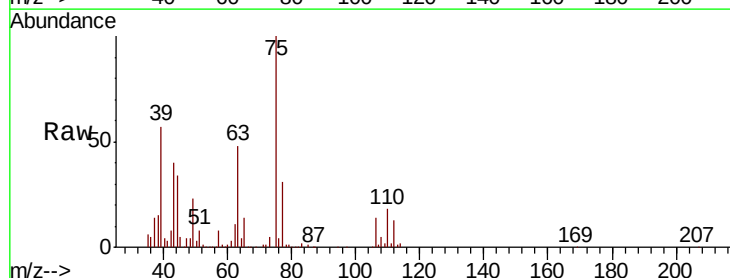
Tgt Ion: 75 Resp: 147157

Ion Ratio Lower Upper

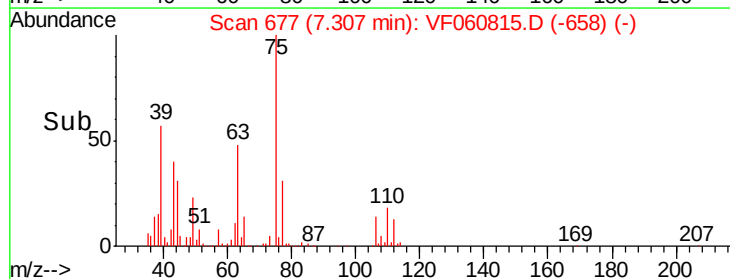
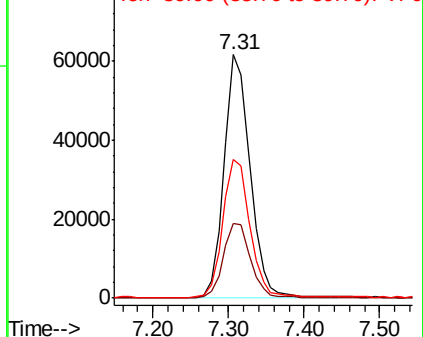
75 100

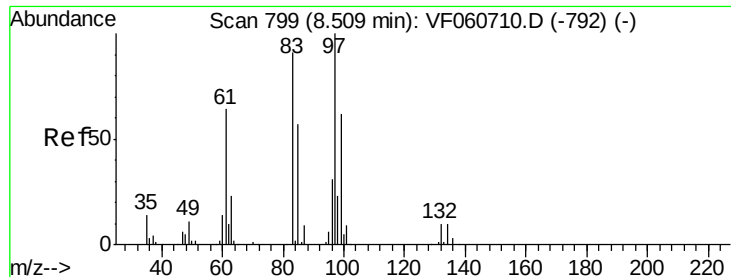
77 30.8 26.5 39.7

39 57.1 48.5 72.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 56.421 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 76099

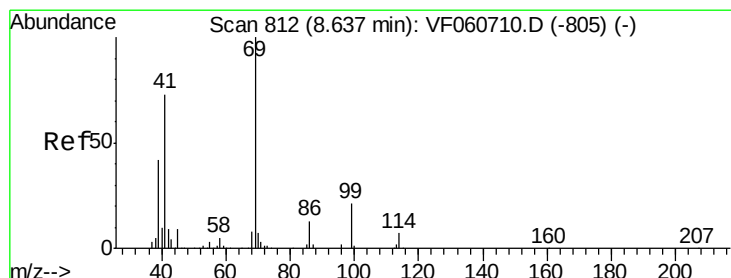
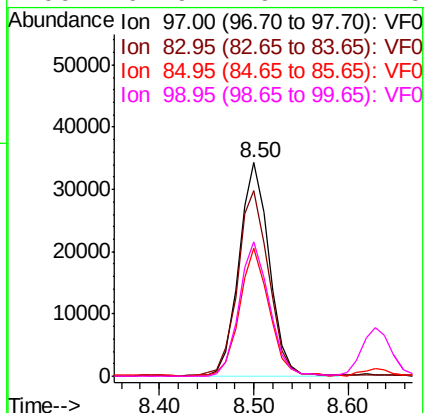
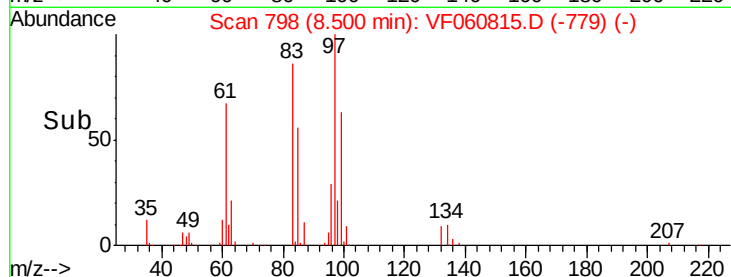
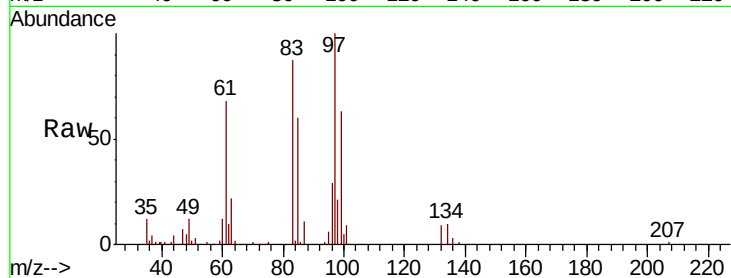
Ion	Ratio	Lower	Upper
97	100		
83	86.7	72.8	109.2
85	59.7	45.8	68.6
99	62.9	49.4	74.0

97 100

83 86.7 72.8 109.2

85 59.7 45.8 68.6

99 62.9 49.4 74.0



#56

Ethyl methacrylate

Concen: 59.759 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

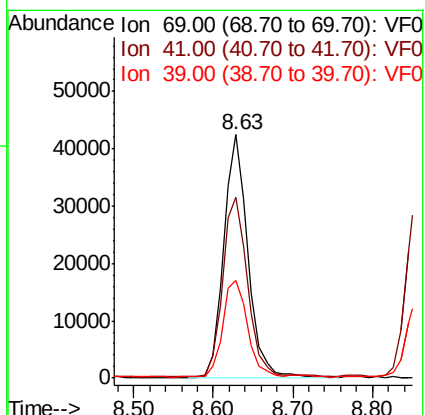
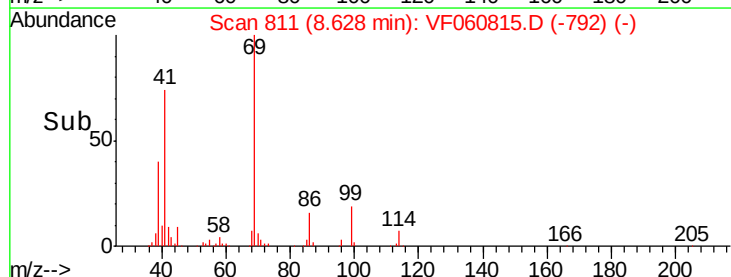
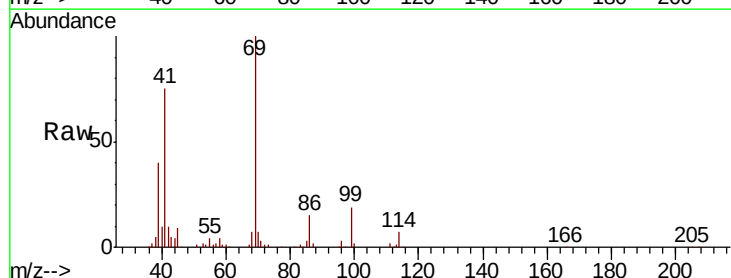
Tgt Ion: 69 Resp: 91540

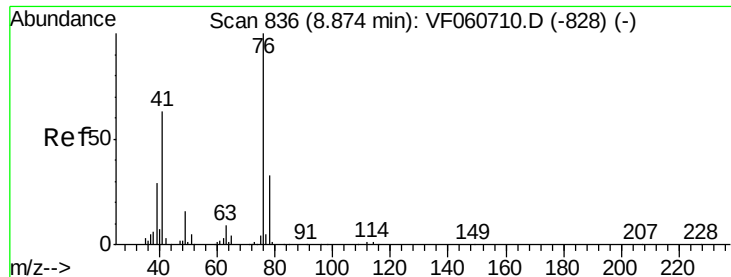
Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.0	88.6
39	40.4	34.0	51.0

69 100

41 74.5 59.0 88.6

39 40.4 34.0 51.0





#57

1,3-Dichloropropane

Concen: 54.266 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

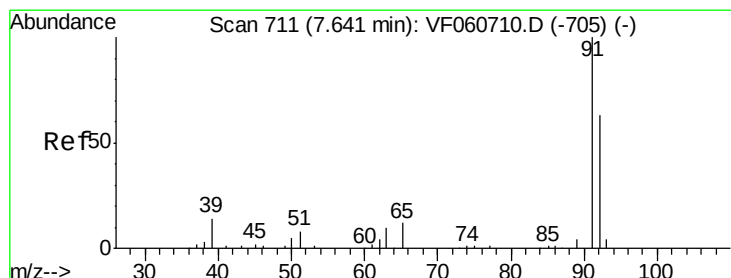
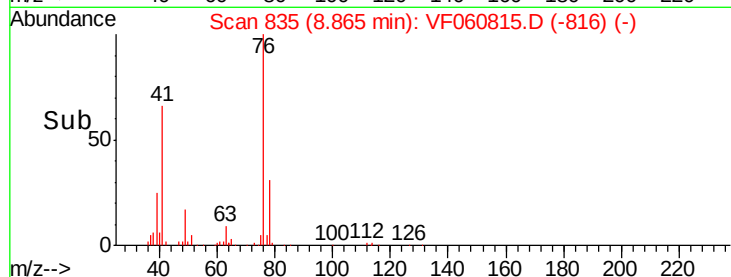
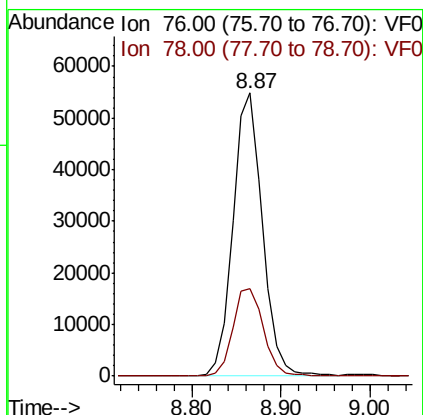
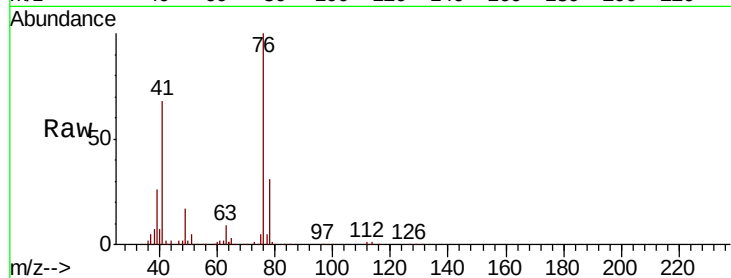
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 126849

Ion Ratio Lower Upper

76 100

78 31.0 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 270.716 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060815.D

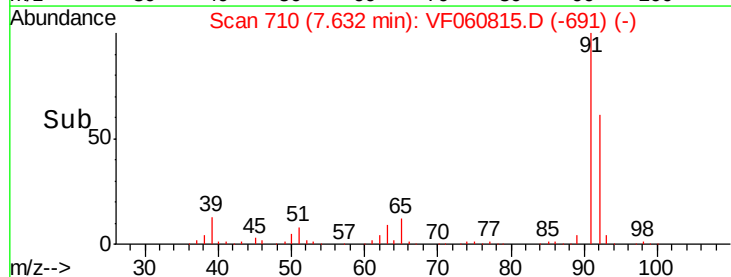
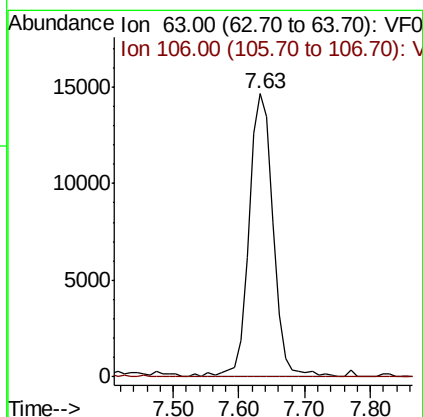
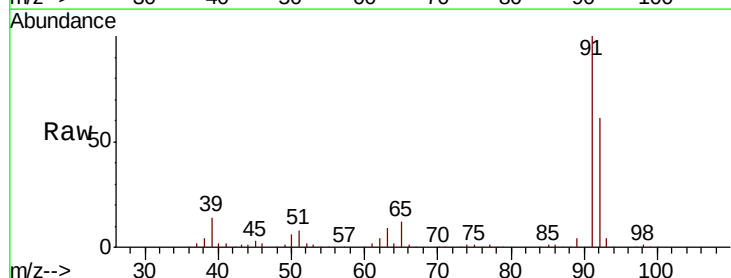
Acq: 20 Nov 2018 21:04

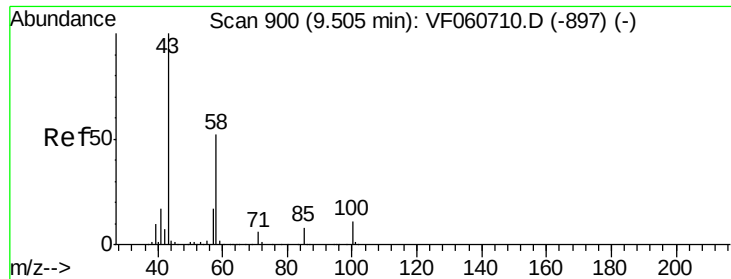
Tgt Ion: 63 Resp: 37881

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

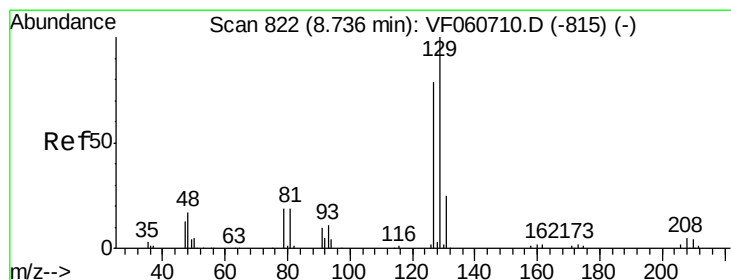
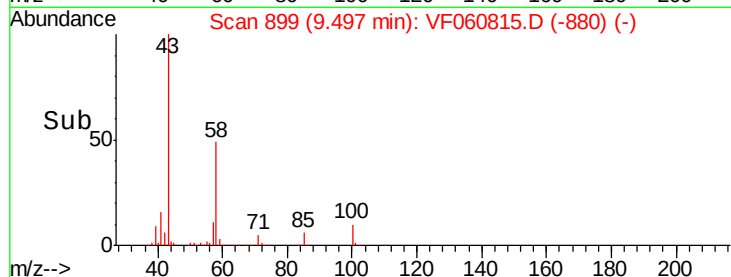
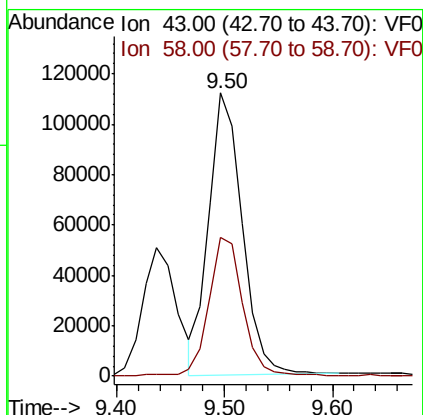
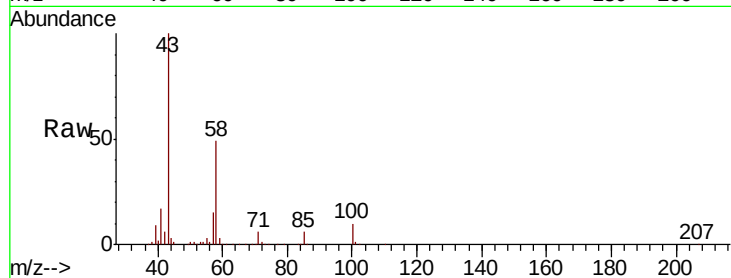




#59
2-Hexanone
Concen: 304.112 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

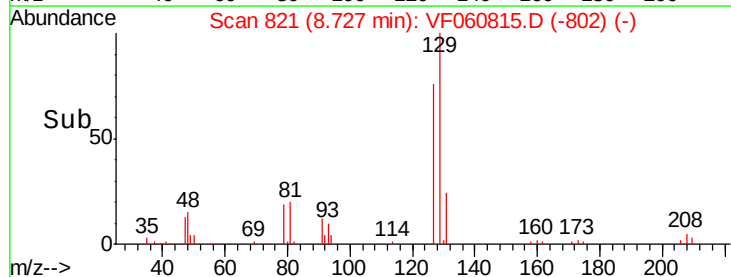
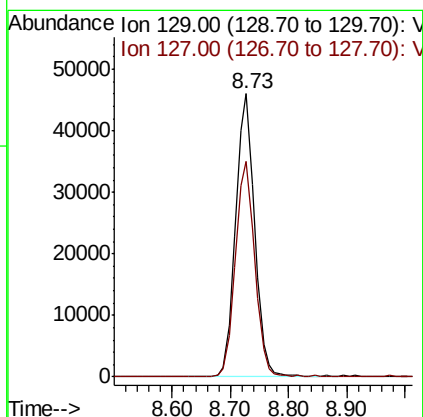
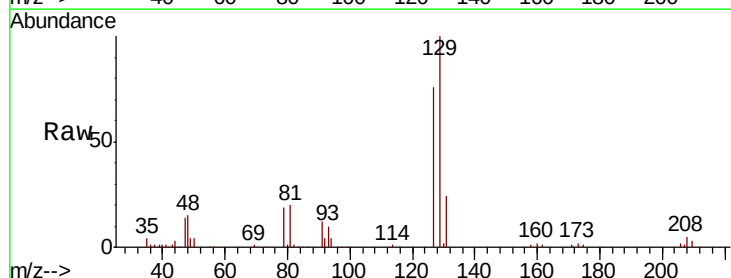
Instrument :
MSVOA_F
ClientSampleId :

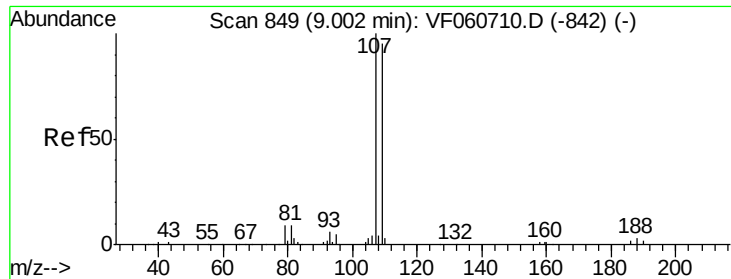
Tot Ion: 43 Resp: 240785
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.7



#60
Dibromochloromethane
Concen: 54.445 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion:129 Resp: 104658
Ion Ratio Lower Upper
129 100
127 76.4 39.7 119.1





#61

1,2-Dibromoethane

Concen: 50.219 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

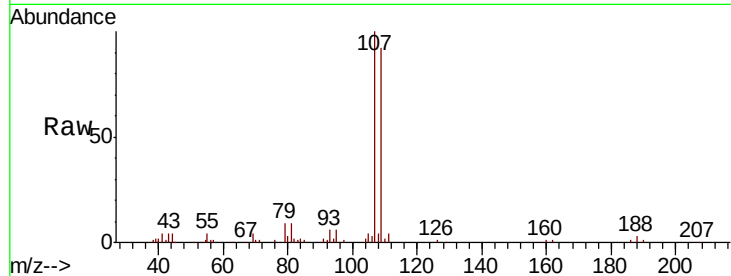
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 71236

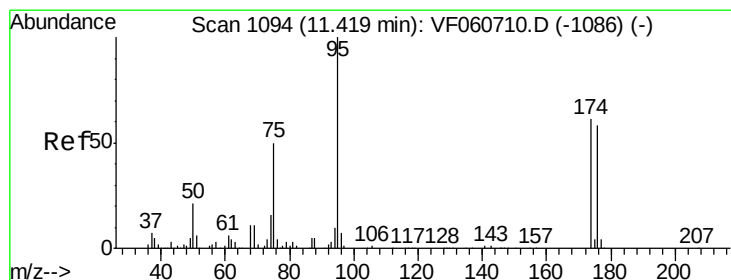
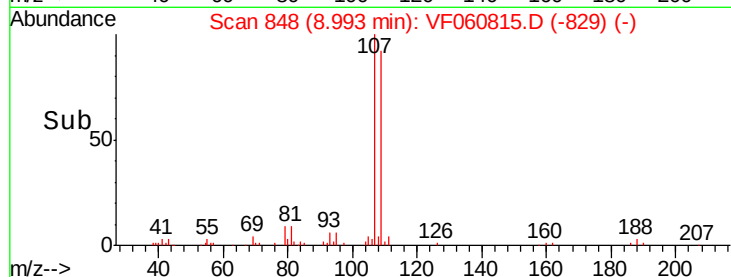
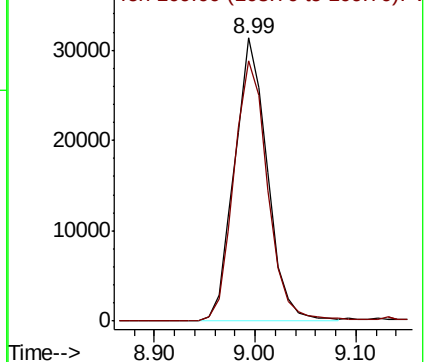
Ion Ratio Lower Upper

107 100

109 92.2 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 40.763 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

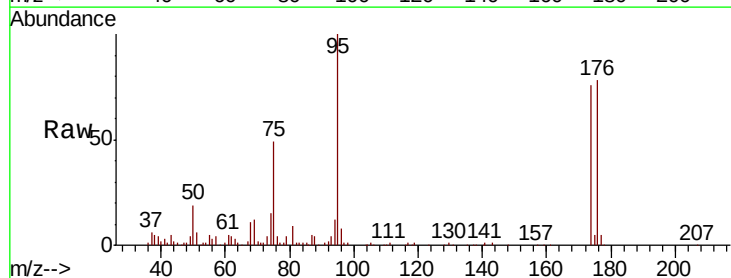
Tgt Ion: 95 Resp: 100616

Ion Ratio Lower Upper

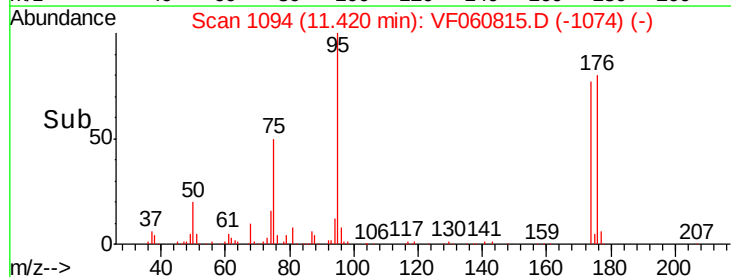
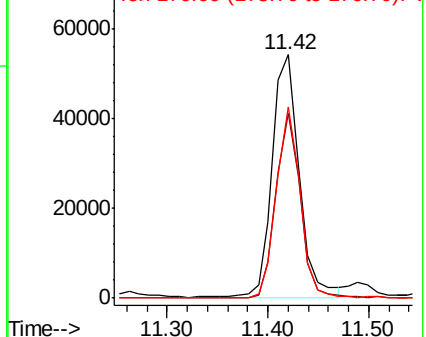
95 100

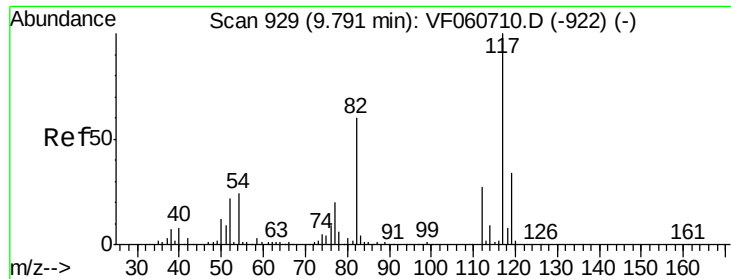
174 76.1 0.0 121.6

176 78.2 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

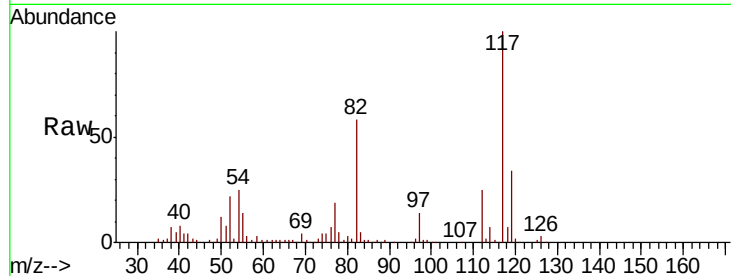




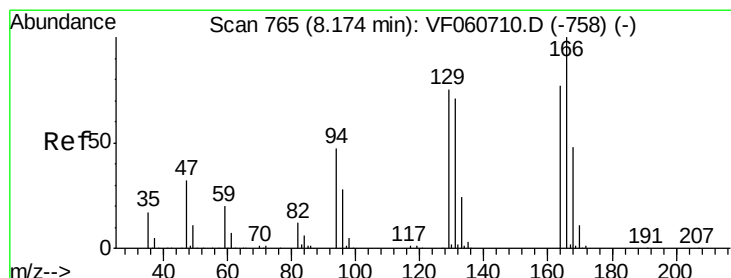
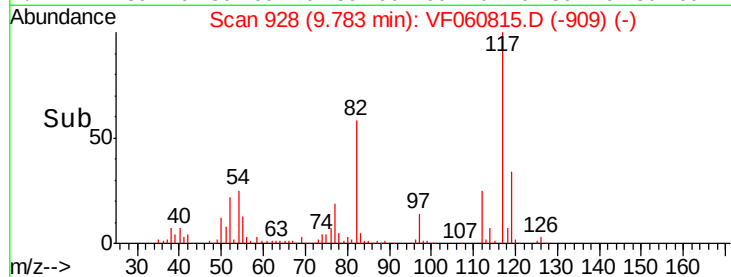
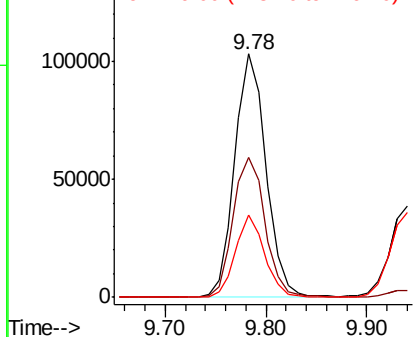
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.9	71.9
119	33.8	26.8	40.2



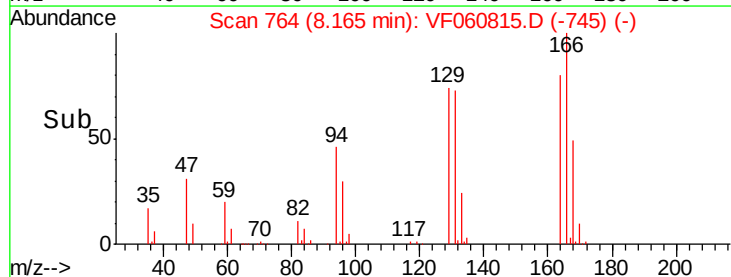
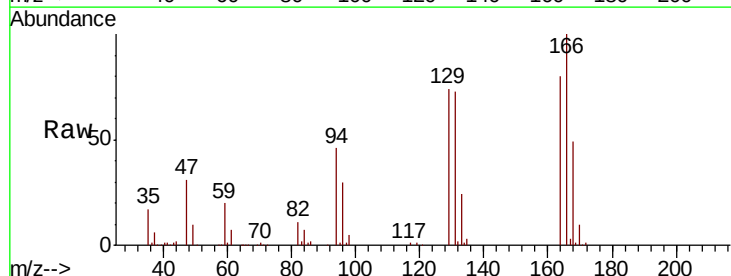
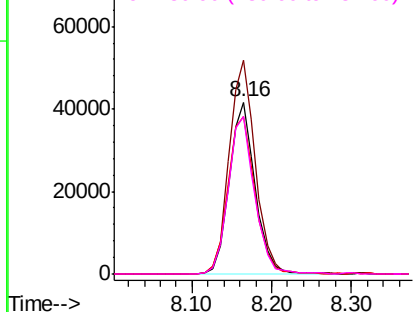
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

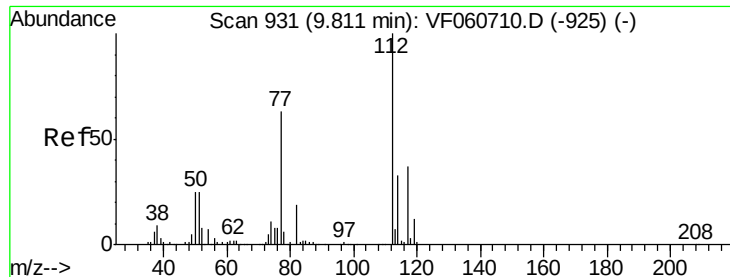


#64
Tetrachloroethene
Concen: 52.995 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.5	155.3
129	92.0	77.4	116.2
131	91.5	73.5	110.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

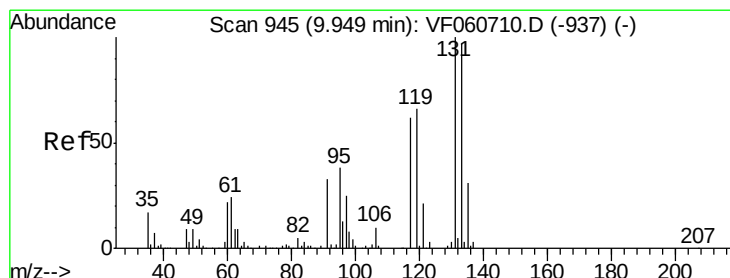
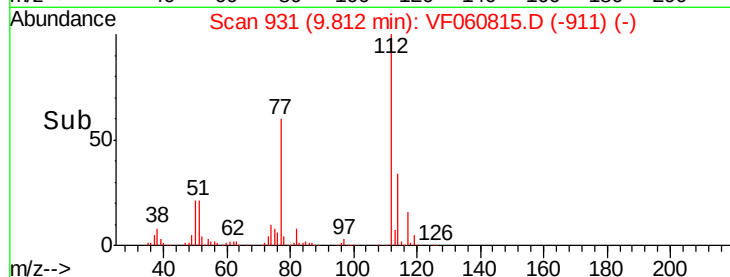
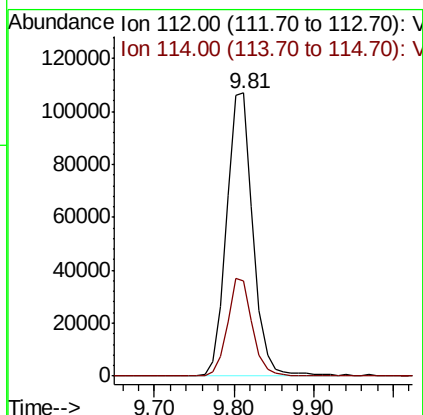
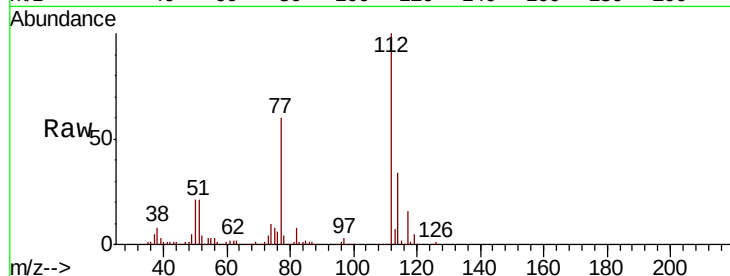




#65
Chlorobenzene
Concen: 55.030 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

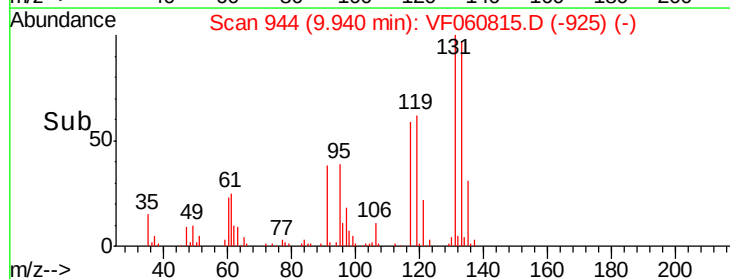
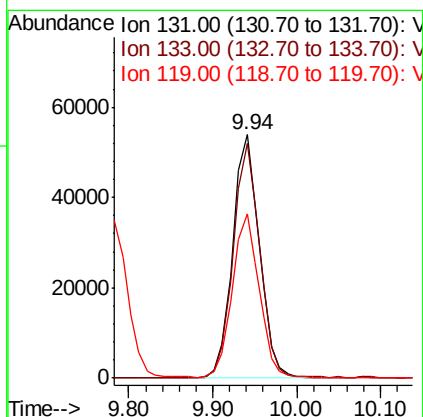
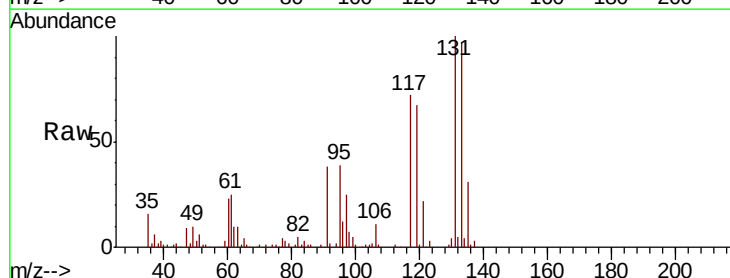
Instrument :
MSVOA_F
ClientSampled :

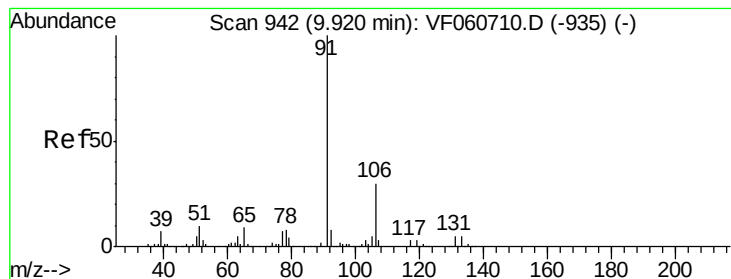
Tot Ion:112 Resp: 248629
Ion Ratio Lower Upper
112 100
114 33.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 60.528 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion:131 Resp: 119278
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.8
119 67.2 33.2 99.6





#67

Ethyl Benzene

Concen: 53.491 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

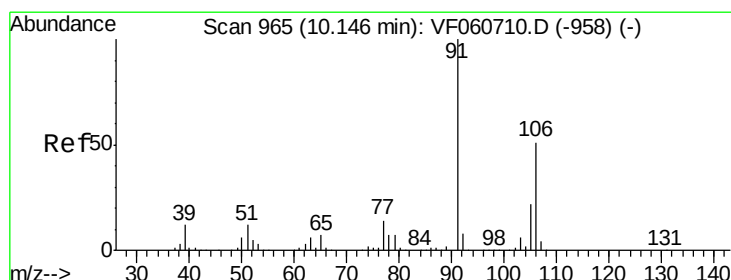
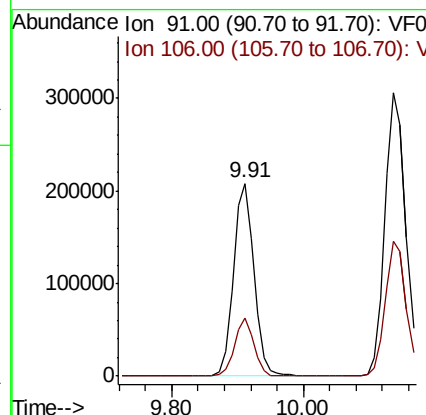
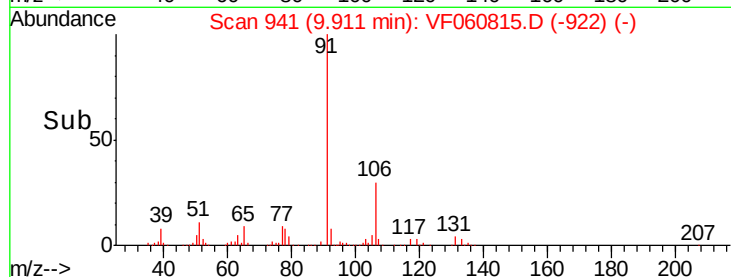
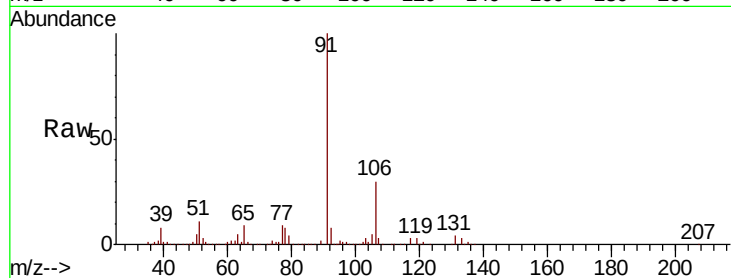
ClientSampleId :

Tot Ion: 91 Resp: 455546

Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9



#68

m/p-Xylenes

Concen: 105.310 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060815.D

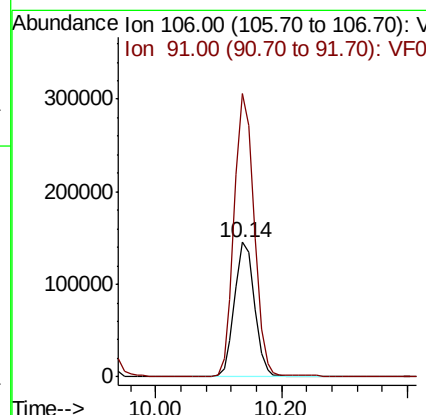
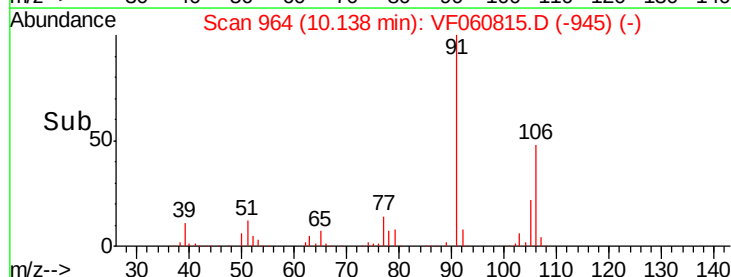
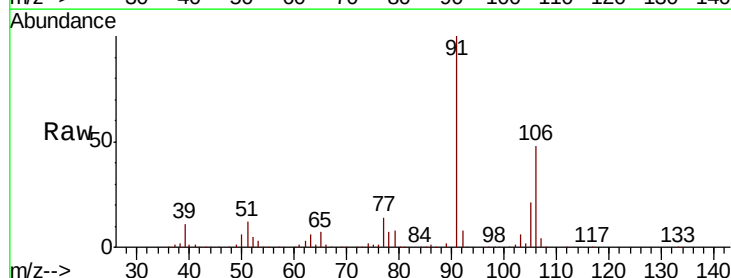
Acq: 20 Nov 2018 21:04

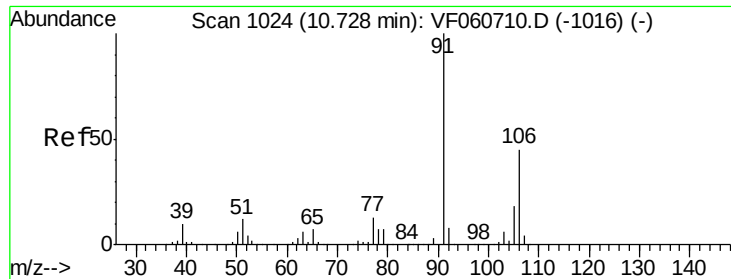
Tgt Ion: 106 Resp: 320509

Ion Ratio Lower Upper

106 100

91 210.0 158.2 237.2

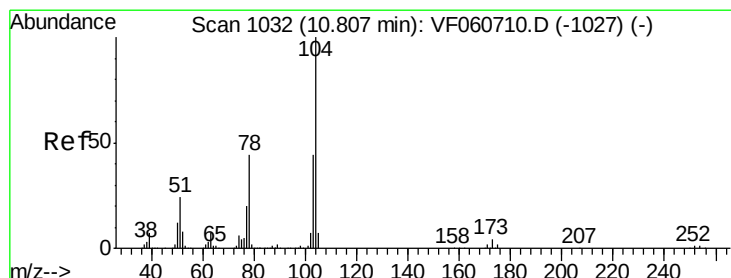
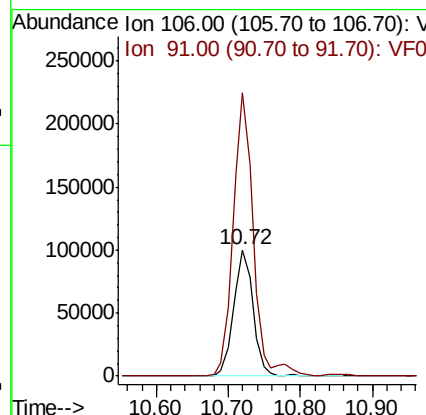
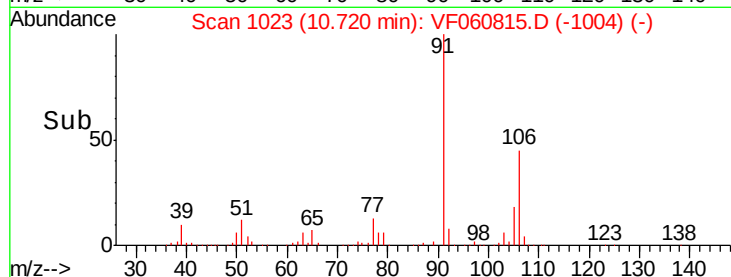
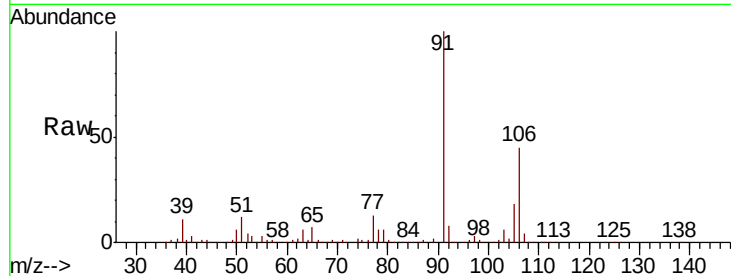




#69
o-Xylene
Concen: 55.383 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

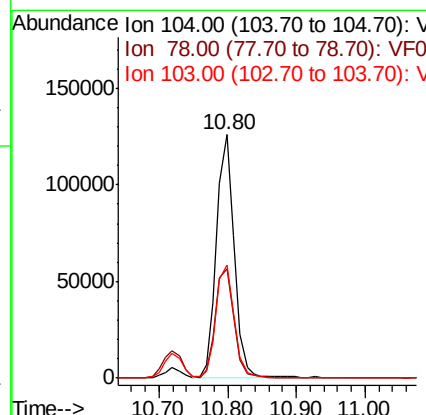
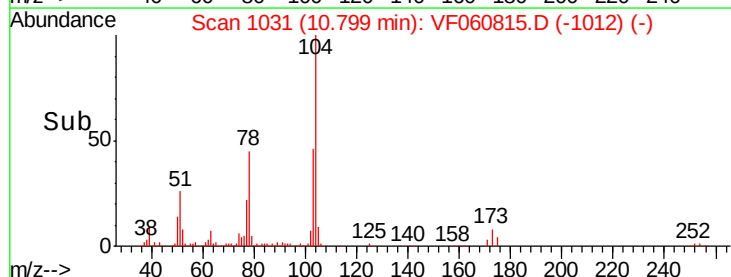
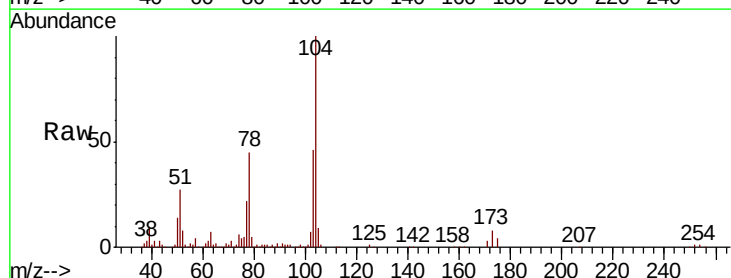
Instrument :
MSVOA_F
ClientSampled :

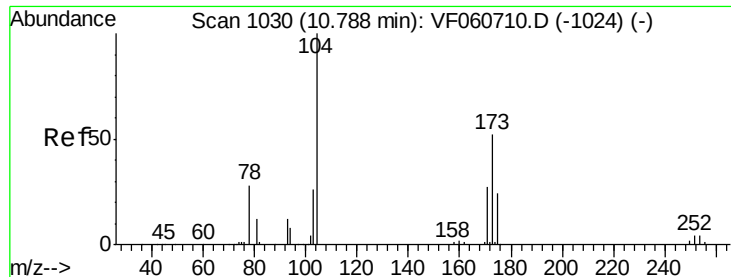
Tot Ion:106 Resp: 189506
Ion Ratio Lower Upper
106 100
91 223.9 110.3 330.9



#70
Styrene
Concen: 48.638 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion:104 Resp: 225866
Ion Ratio Lower Upper
104 100
78 44.8 35.4 53.2
103 46.4 35.8 53.6





#71

Bromoform

Concen: 58.029 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

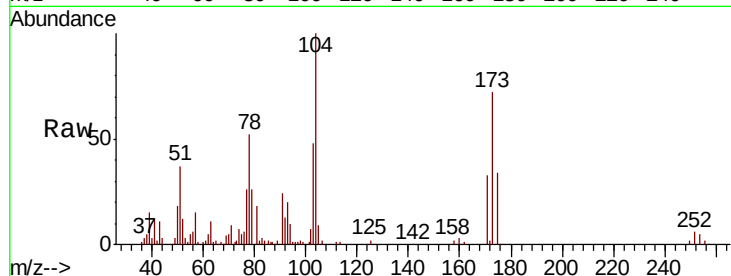
Tot Ion:173 Resp: 51423

Ion Ratio Lower Upper

173 100

175 47.3 23.4 70.0

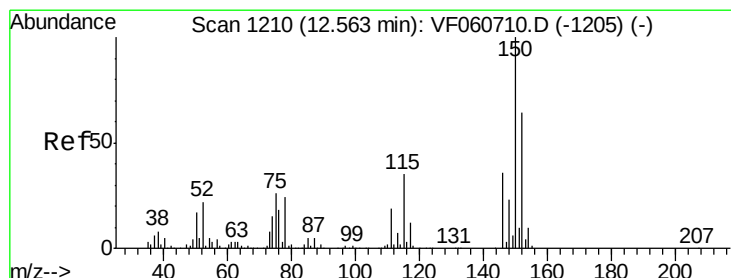
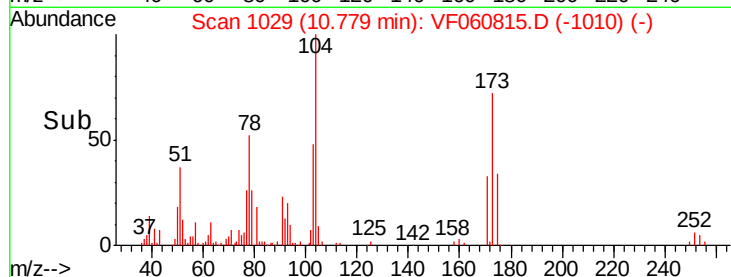
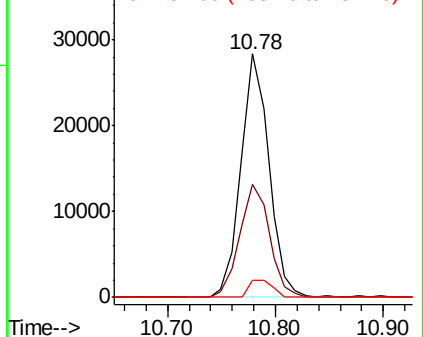
254 7.2 5.8 8.8



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: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

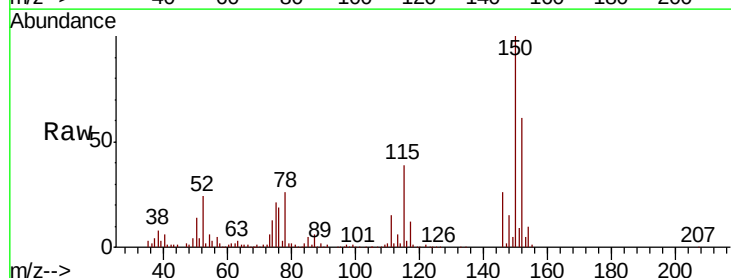
Tgt Ion:152 Resp: 89738

Ion Ratio Lower Upper

152 100

115 64.6 27.9 83.7

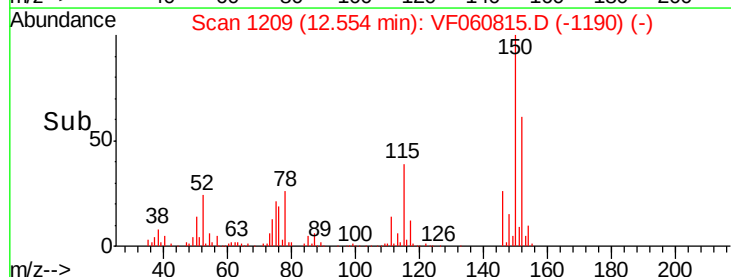
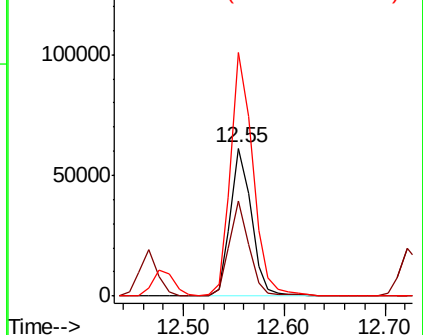
150 164.8 0.0 316.4

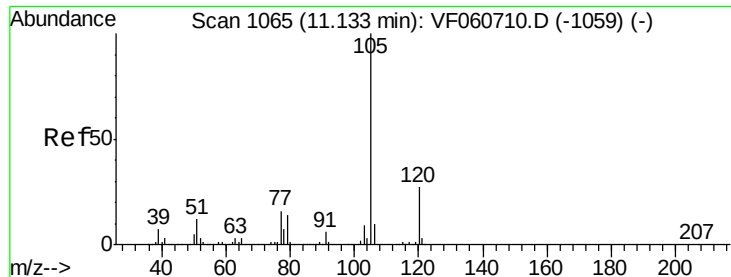


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 65.656 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

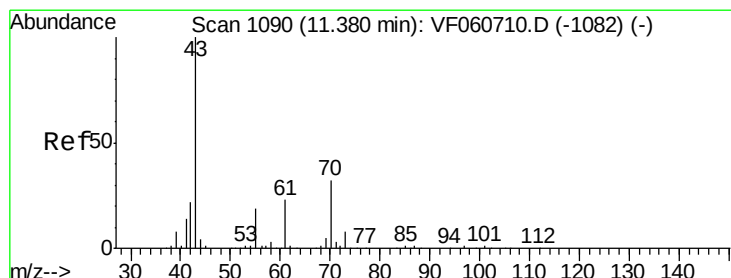
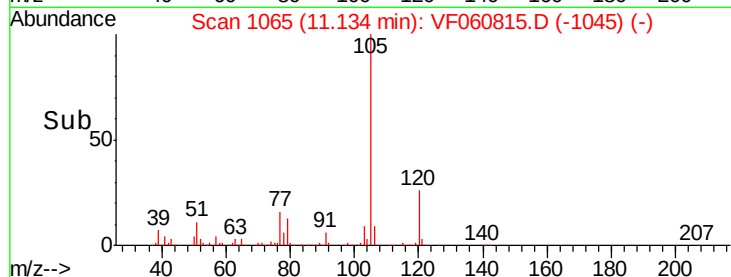
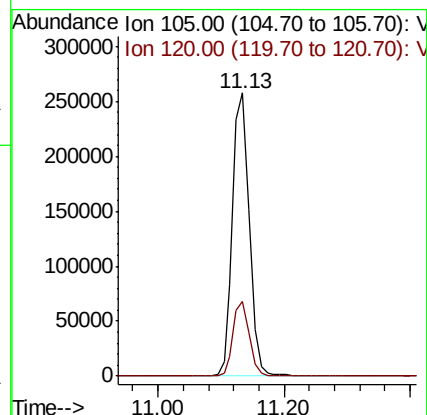
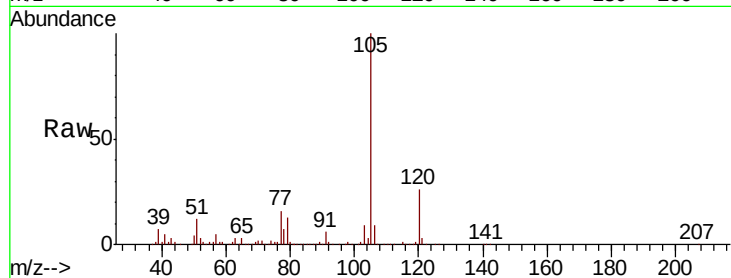
ClientSampleId :

Tot Ion:105 Resp: 474255

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.1



#74

N-ethyl acetate

Concen: 86.098 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Tgt Ion: 43 Resp: 141577

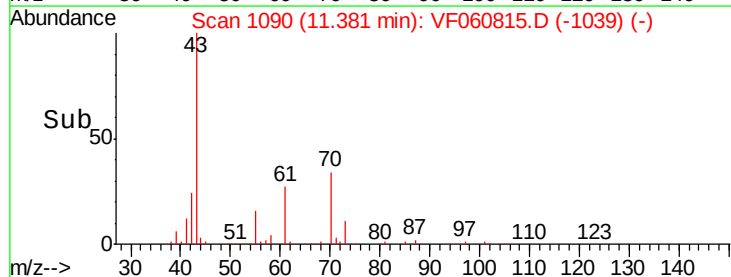
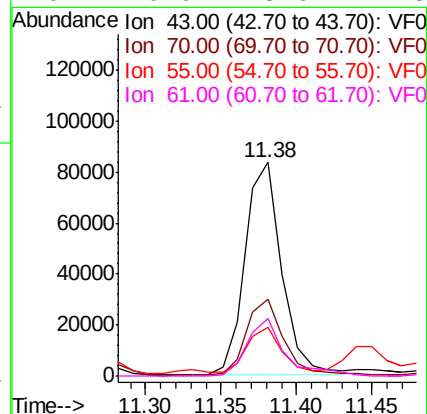
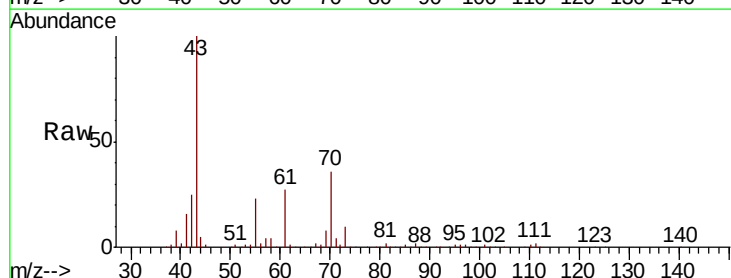
Ion Ratio Lower Upper

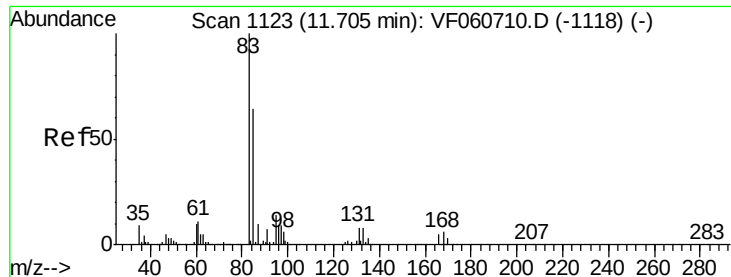
43 100

70 36.1 25.5 38.3

55 23.1 14.9 22.3#

61 26.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 90.151 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

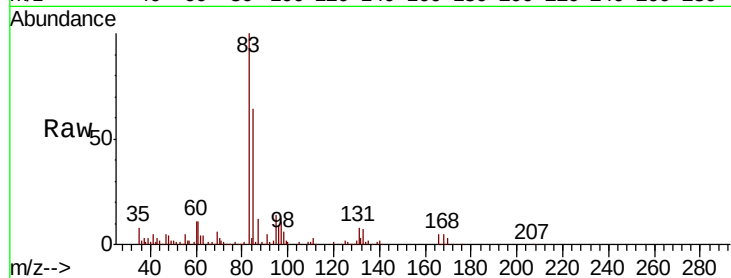
Tot Ion: 83 Resp: 107660

Ion Ratio Lower Upper

83 100

131 7.6 4.2 12.4

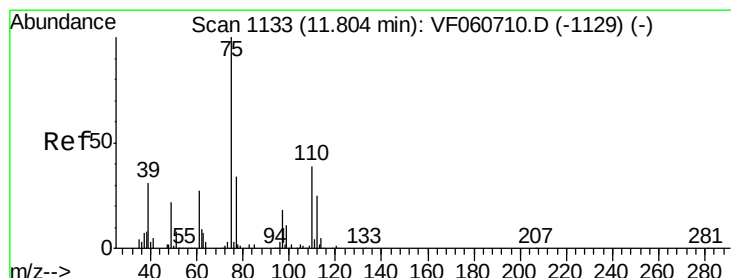
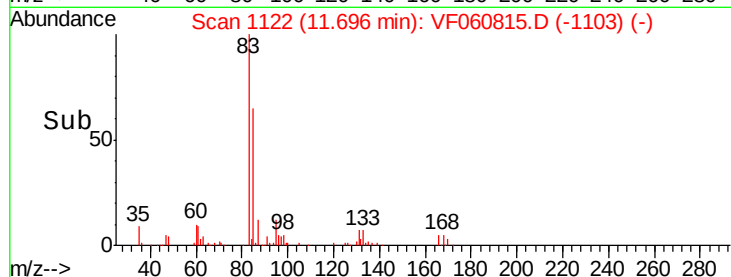
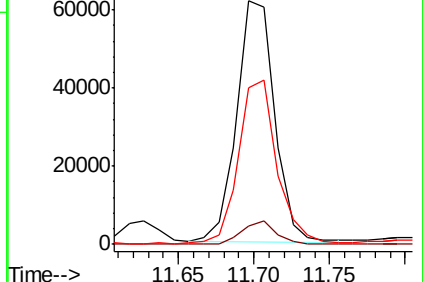
85 64.3 32.0 96.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 84.467 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060815.D

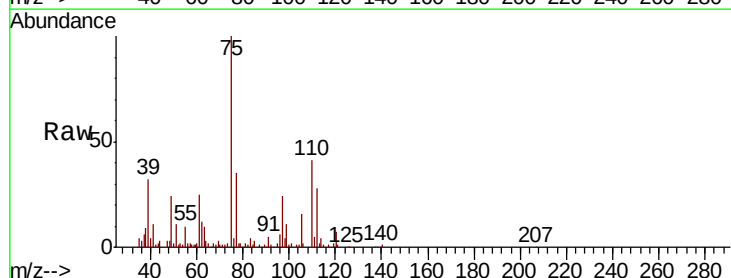
Acq: 20 Nov 2018 21:04

Tgt Ion: 75 Resp: 74916

Ion Ratio Lower Upper

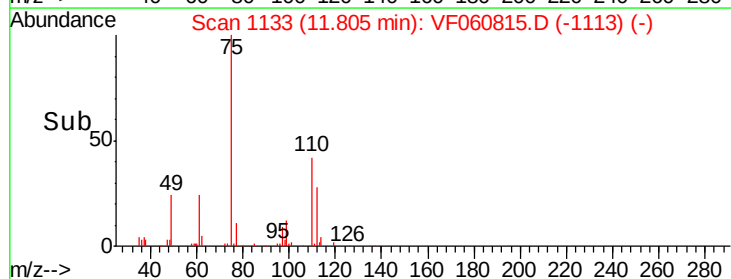
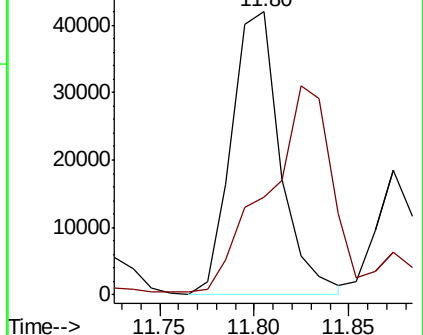
75 100

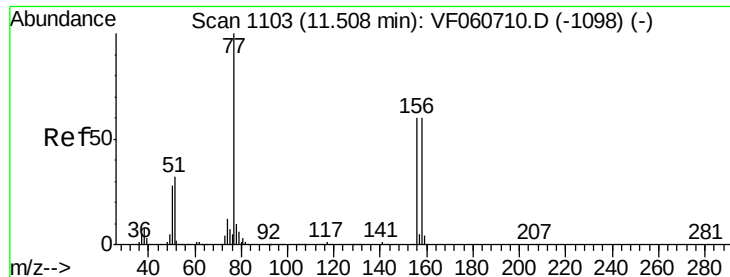
77 34.5 17.0 51.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 64.243 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

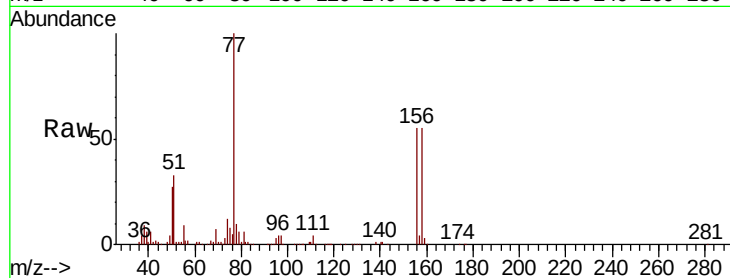
Tot Ion:156 Resp: 96593

Ion Ratio Lower Upper

156 100

77 180.4 83.0 248.9

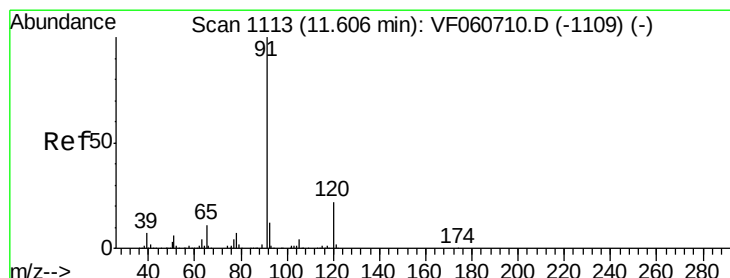
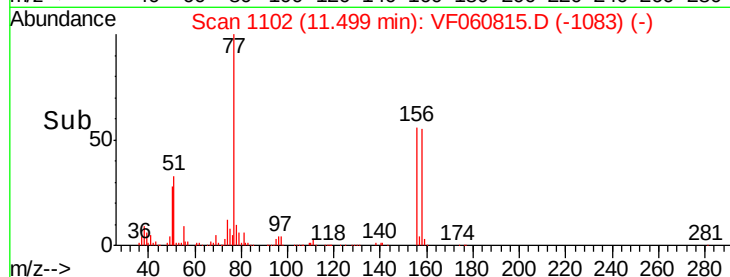
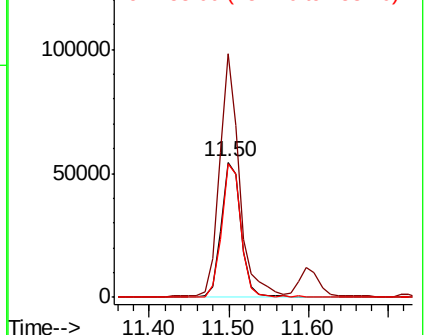
158 99.1 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 54.534 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060815.D

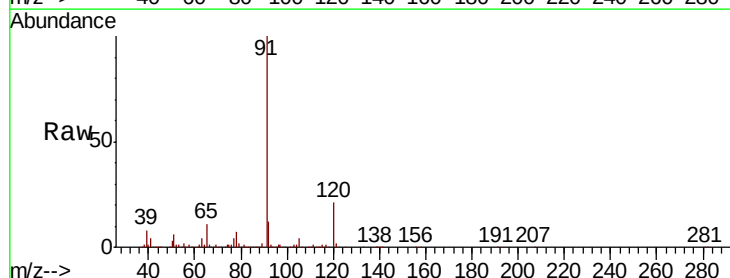
Acq: 20 Nov 2018 21:04

Tgt Ion: 91 Resp: 459411

Ion Ratio Lower Upper

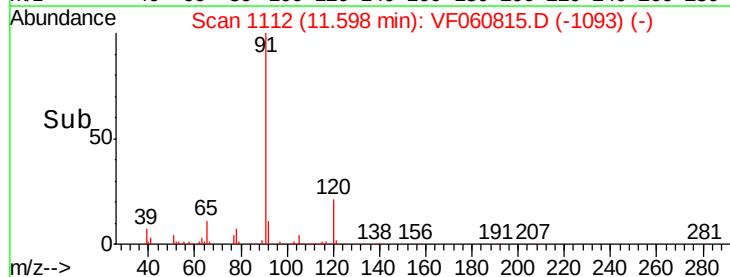
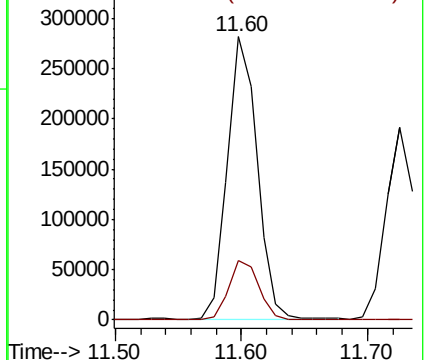
91 100

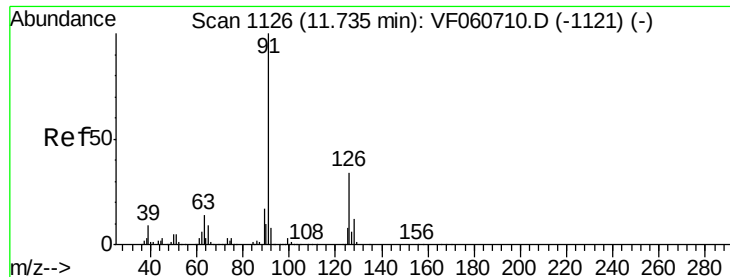
120 21.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 62.251 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

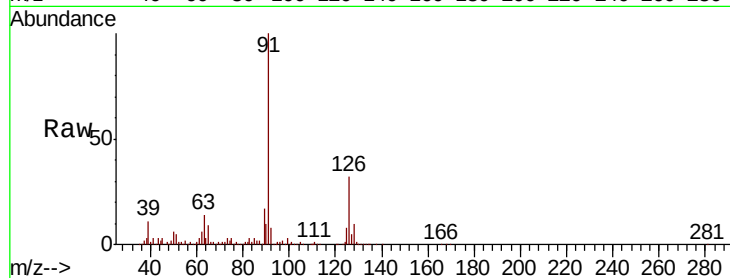
ClientSampleId :

Tot Ion: 91 Resp: 304802

Ion Ratio Lower Upper

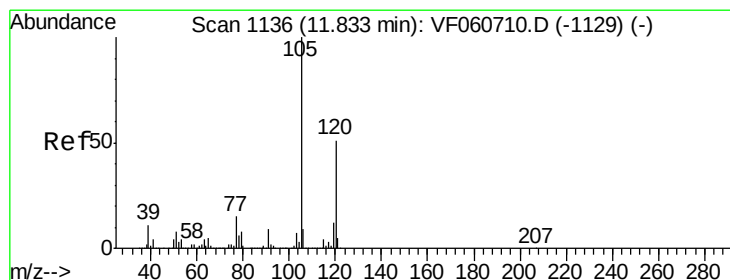
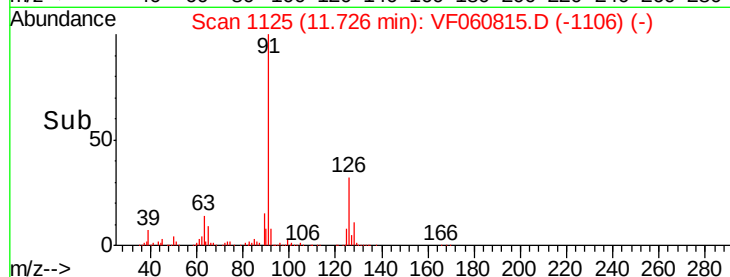
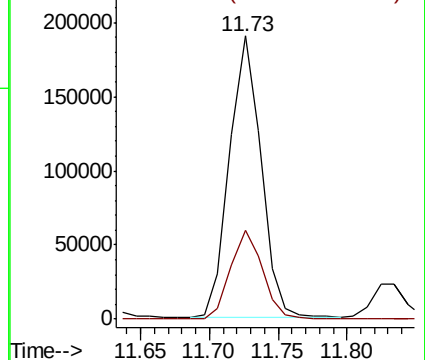
91 100

126 31.6 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 65.428 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060815.D

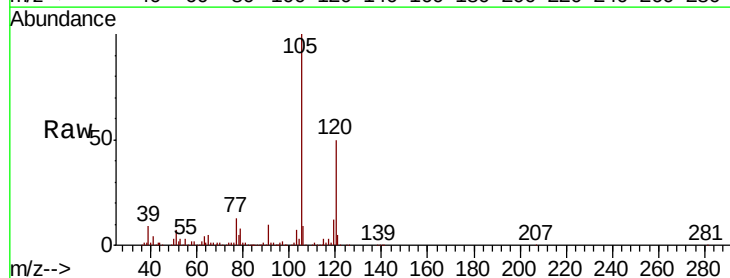
Acq: 20 Nov 2018 21:04

Tgt Ion:105 Resp: 375209

Ion Ratio Lower Upper

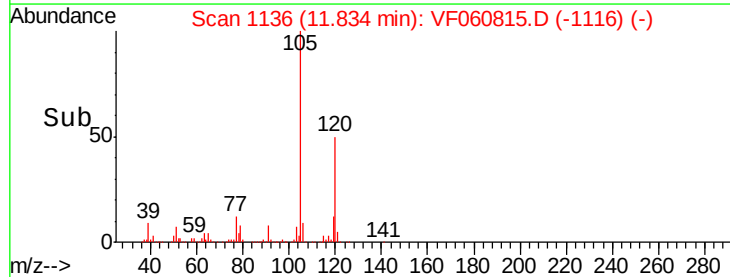
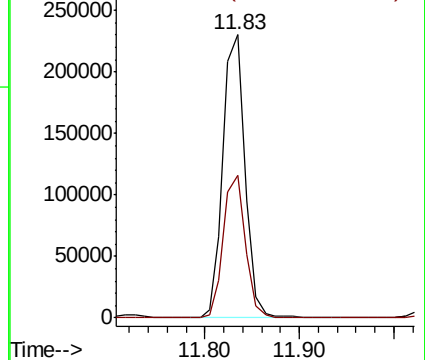
105 100

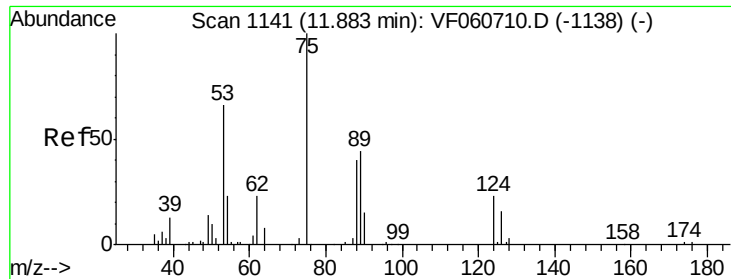
120 50.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 80.526 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampled :

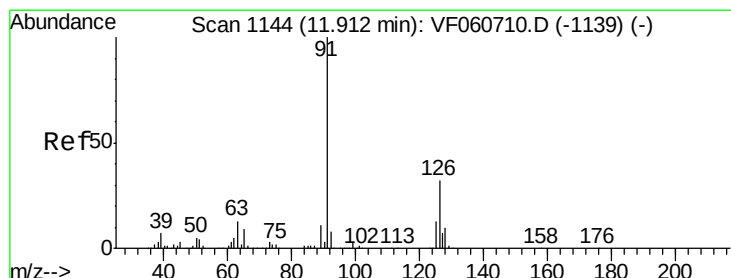
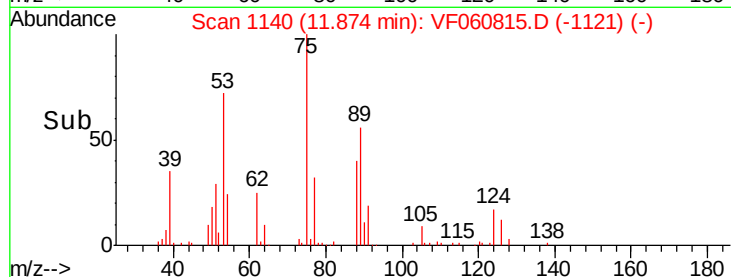
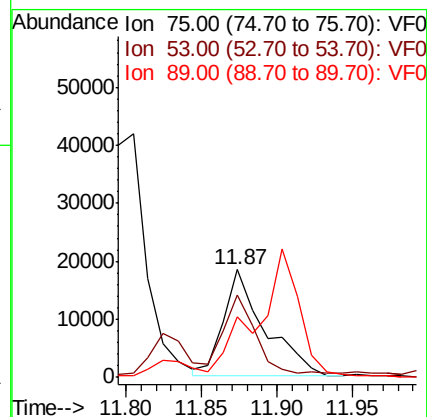
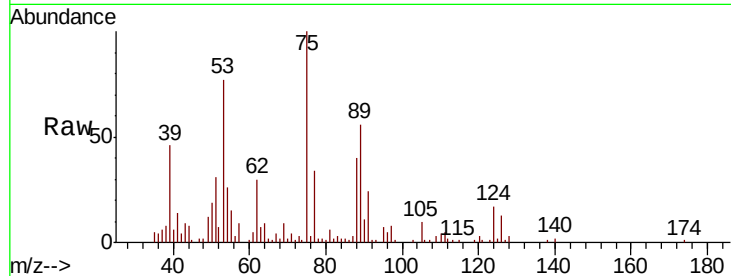
Tot Ion: 75 Resp: 35088

Ion Ratio Lower Upper

75 100

53 76.7 57.0 85.4

89 56.0 37.8 56.8



#82

4-Chlorotoluene

Concen: 58.072 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060815.D

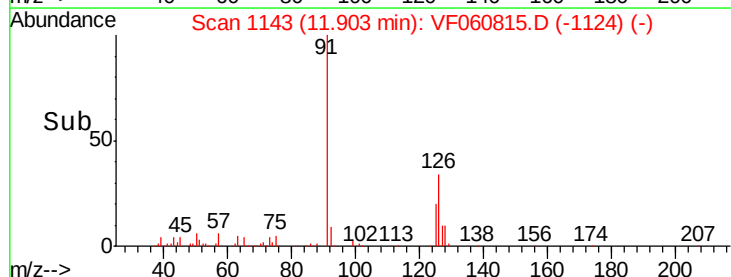
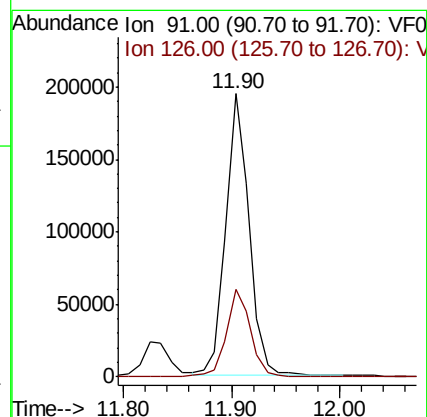
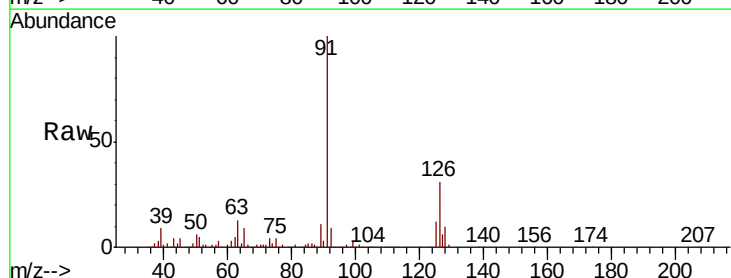
Acq: 20 Nov 2018 21:04

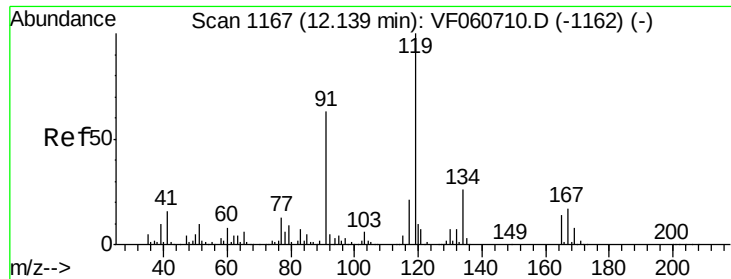
Tgt Ion: 91 Resp: 291291

Ion Ratio Lower Upper

91 100

126 31.0 16.0 47.9





#83

tert-Butylbenzene

Concen: 61.515 ug/l

RT: 12.14 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampled :

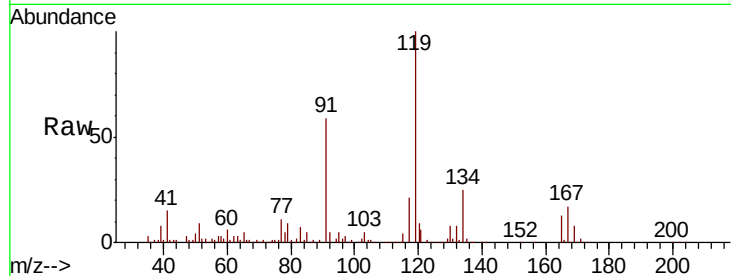
Tot Ion:119 Resp: 374555

Ion Ratio Lower Upper

119 100

91 58.5 31.4 94.3

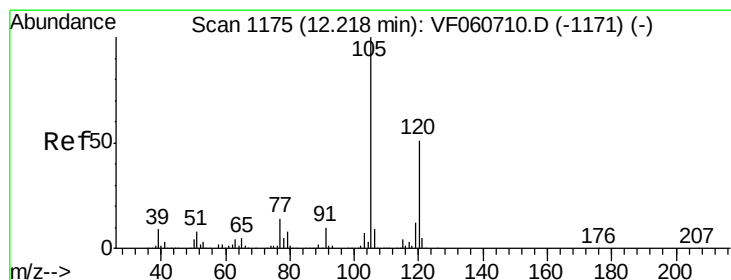
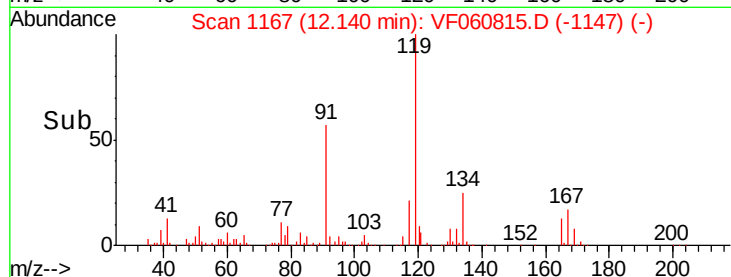
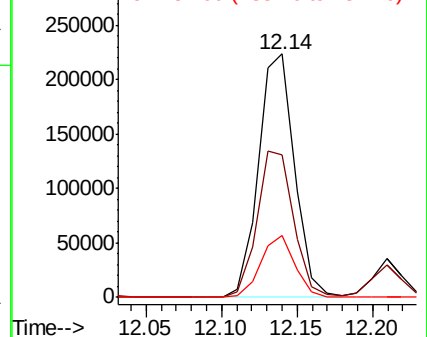
134 25.4 12.8 38.4



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: 63.099 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060815.D

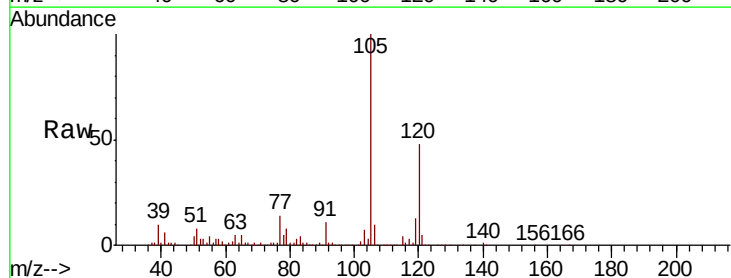
Acq: 20 Nov 2018 21:04

Tgt Ion:105 Resp: 374236

Ion Ratio Lower Upper

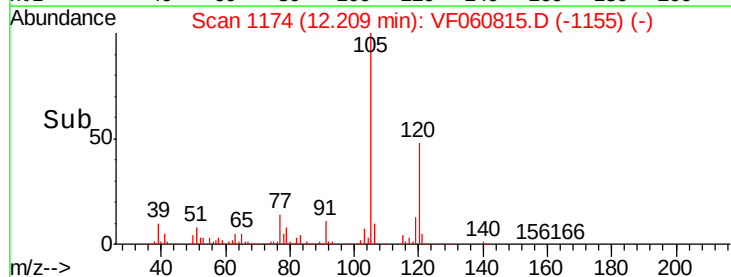
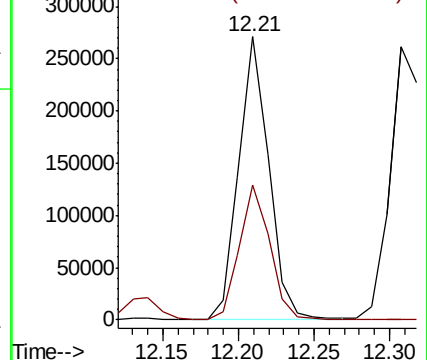
105 100

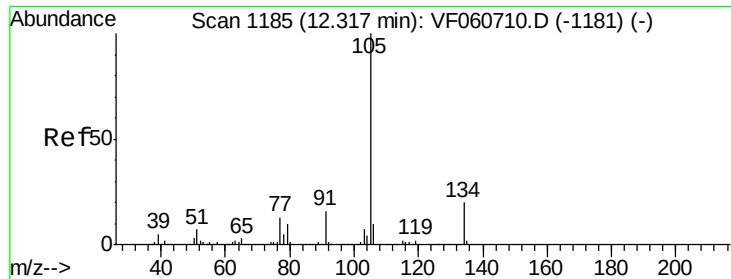
120 47.8 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

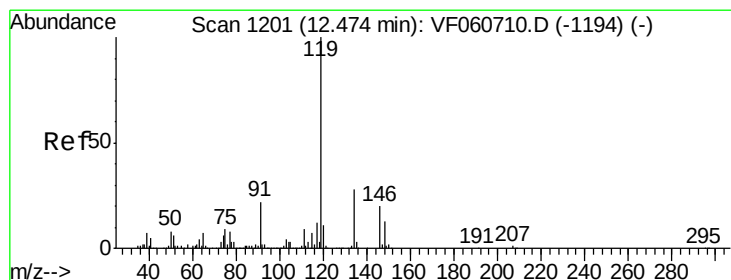
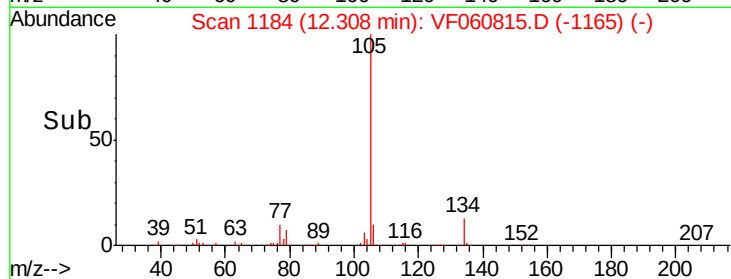
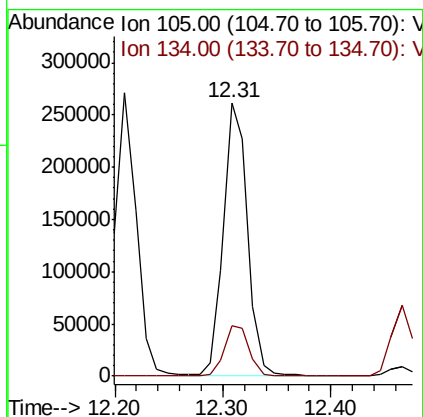
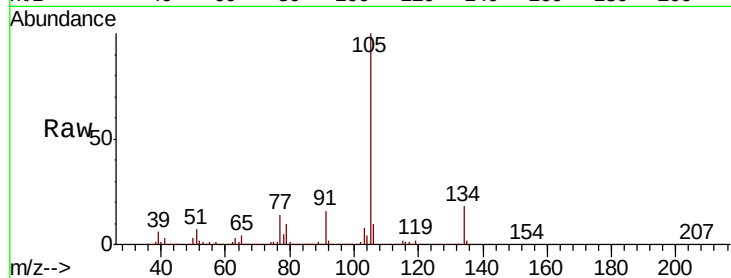




#85
 sec-Butylbenzene
 Concen: 48.966 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

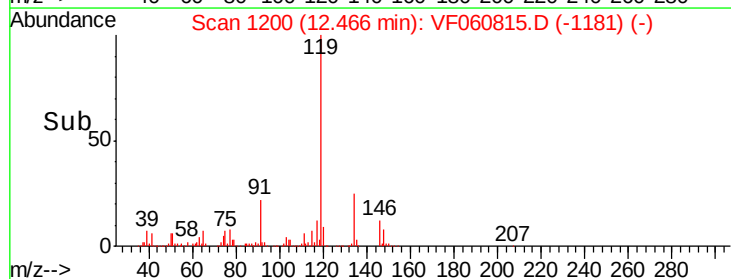
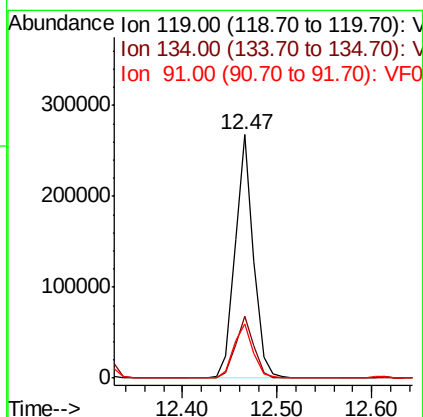
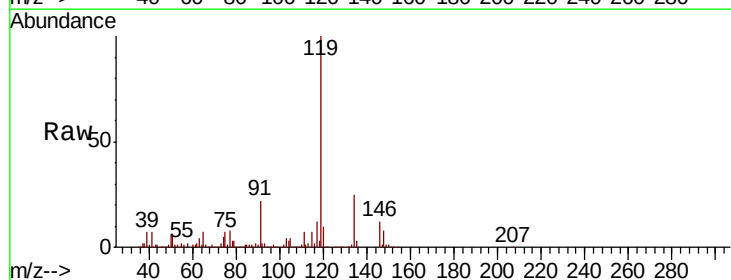
Instrument :
 MSVOA_F
 ClientSampled :

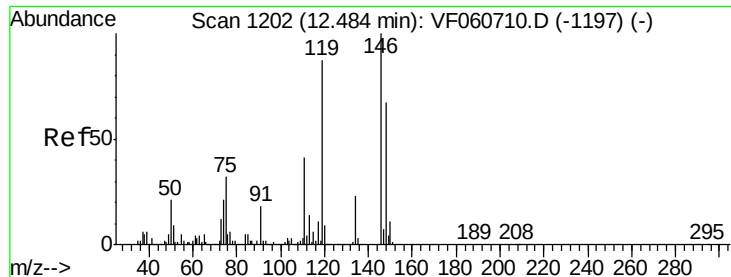
Tot Ion:105 Resp: 404446
 Ion Ratio Lower Upper
 105 100
 134 18.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 52.233 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion:119 Resp: 360326
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.9 41.7
 91 22.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 54.723 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

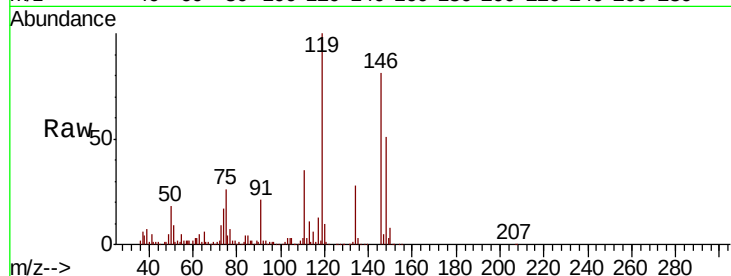
Tot Ion:146 Resp: 163740

Ion Ratio Lower Upper

146 100

111 42.7 20.3 60.8

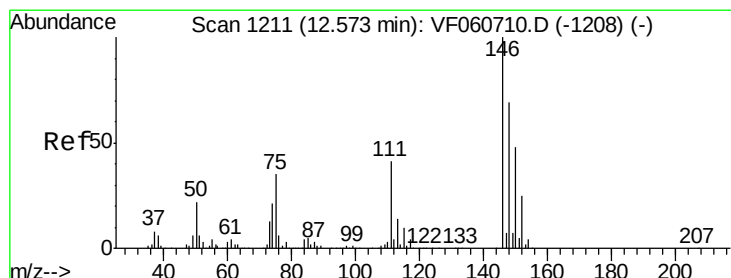
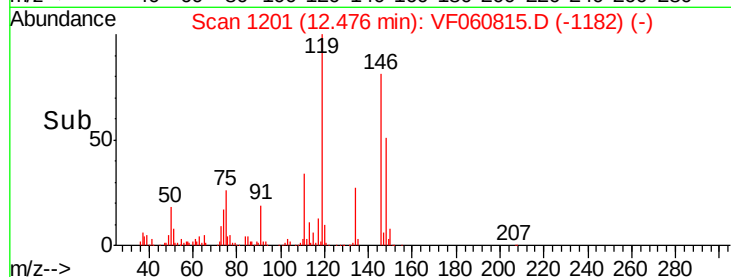
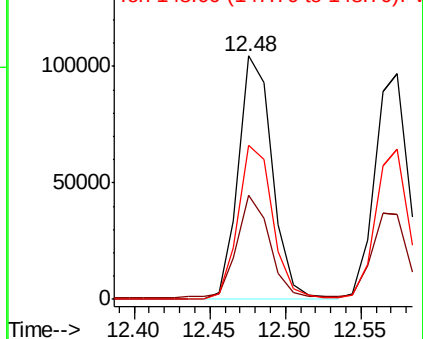
148 63.0 33.3 99.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 54.449 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

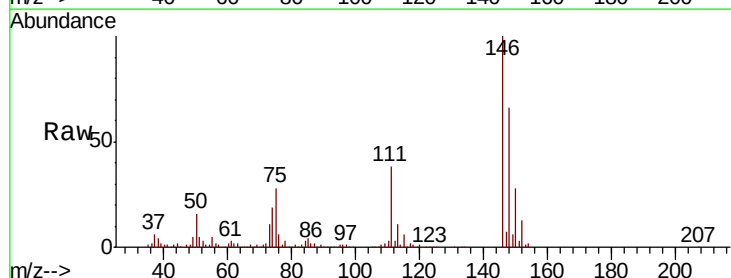
Tgt Ion:146 Resp: 156580

Ion Ratio Lower Upper

146 100

111 37.7 20.6 61.9

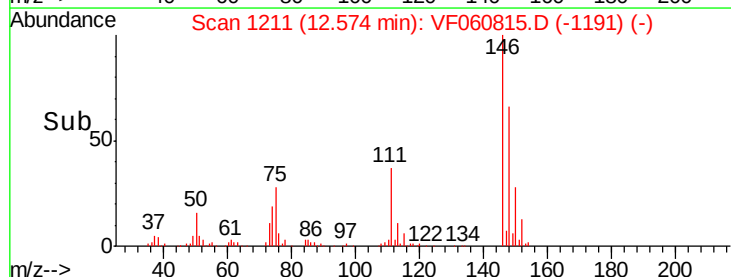
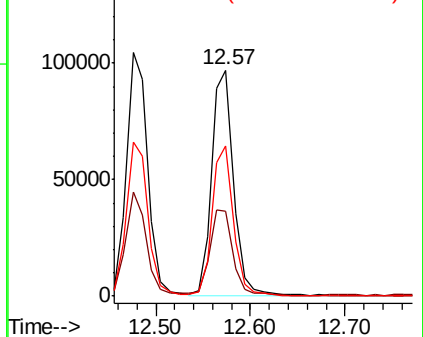
148 66.3 34.7 104.1

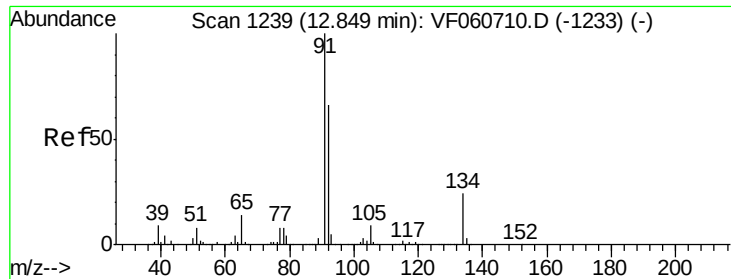


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 38.065 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060815.D

Acq: 20 Nov 2018 21:04

Instrument :

MSVOA_F

ClientSampleId :

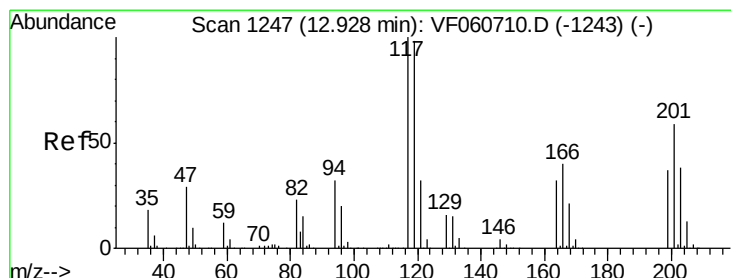
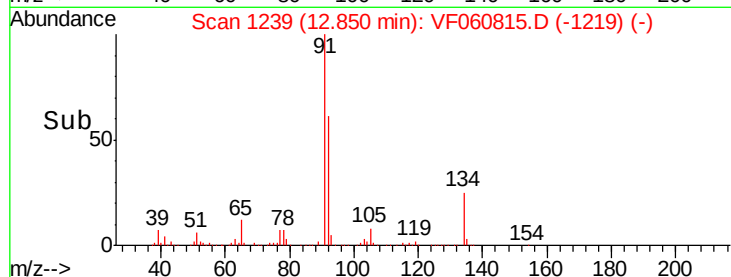
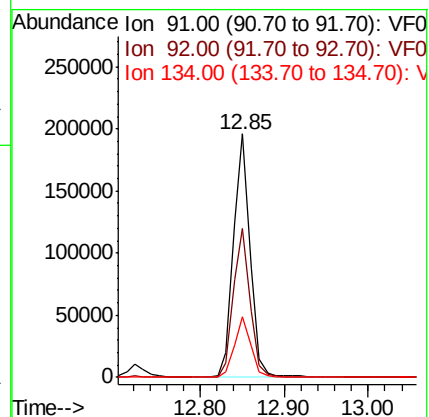
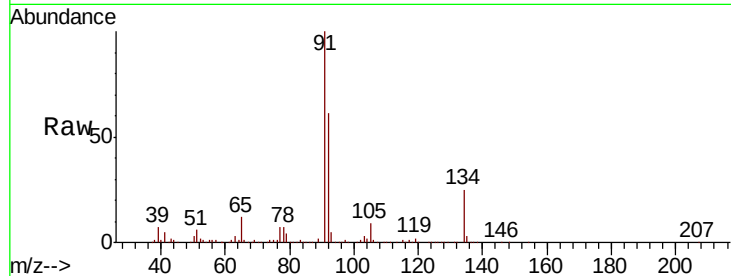
Tot Ion: 91 Resp: 267980

Ion Ratio Lower Upper

91 100

92 61.4 33.1 99.2

134 24.7 11.9 35.9



#90

Hexachloroethane

Concen: 48.256 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF060815.D

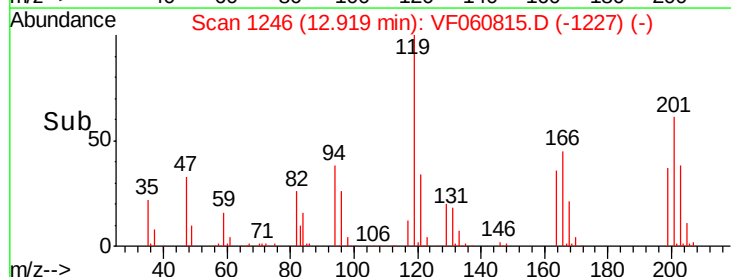
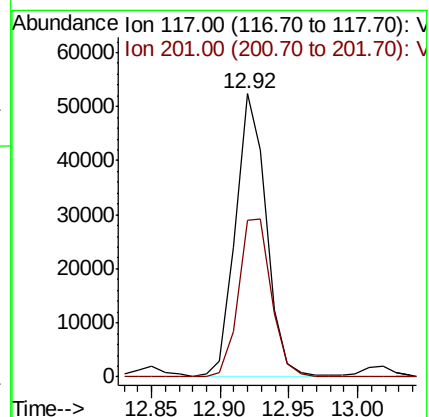
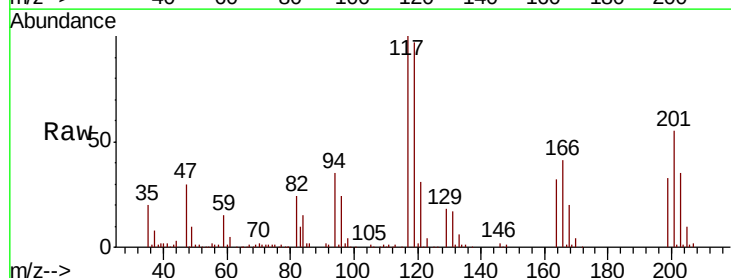
Acq: 20 Nov 2018 21:04

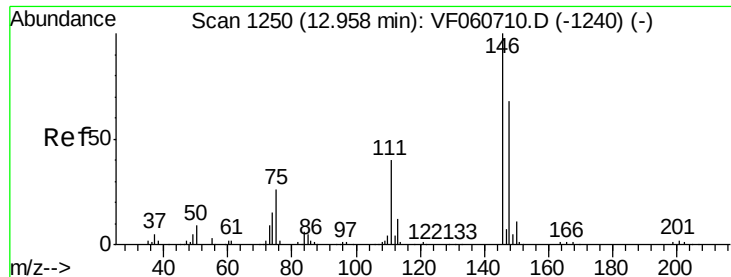
Tgt Ion: 117 Resp: 81422

Ion Ratio Lower Upper

117 100

201 56.1 29.4 88.3

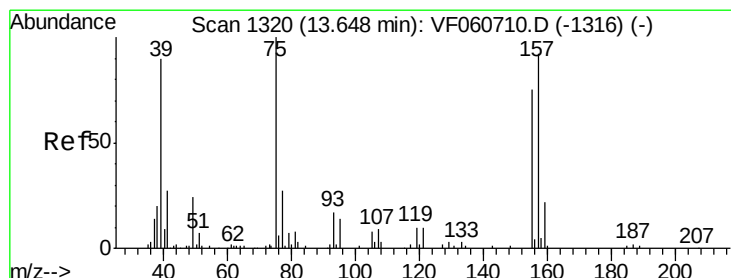
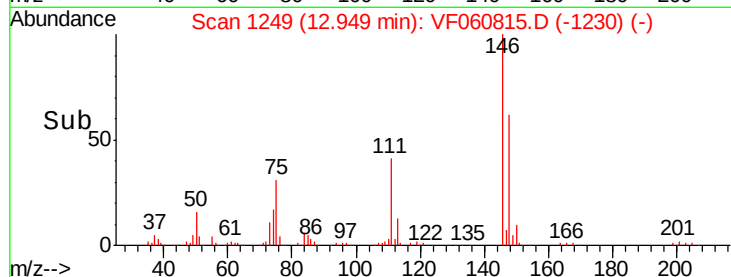
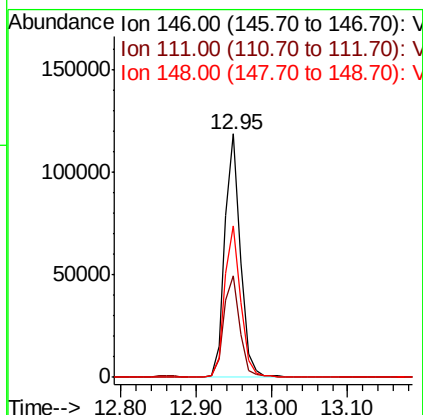
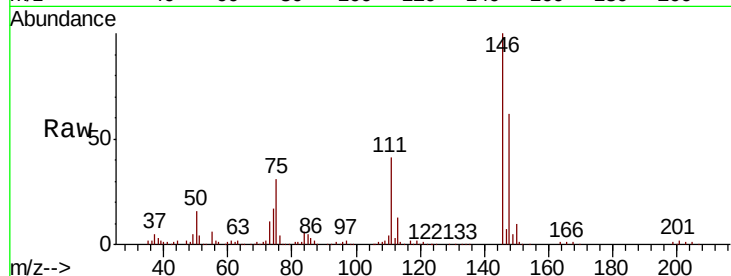




#91
 1,2-Dichlorobenzene
 Concen: 60.828 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

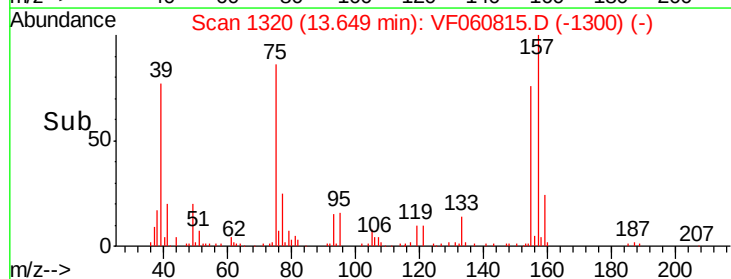
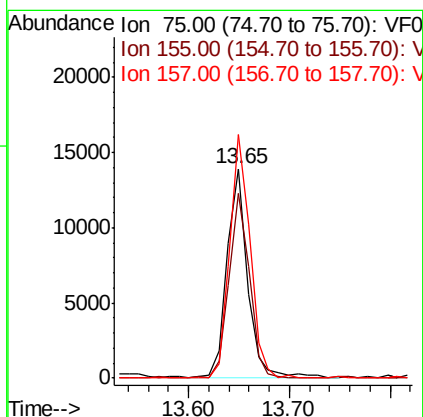
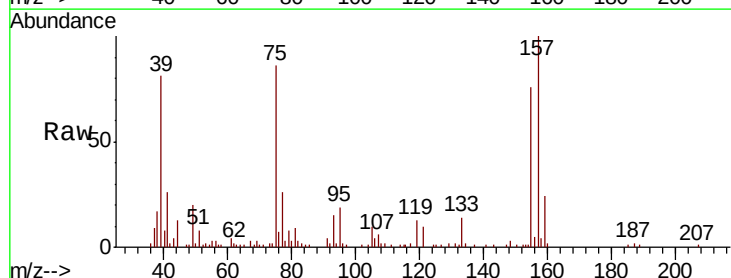
Instrument :
 MSVOA_F
 ClientSampleId :

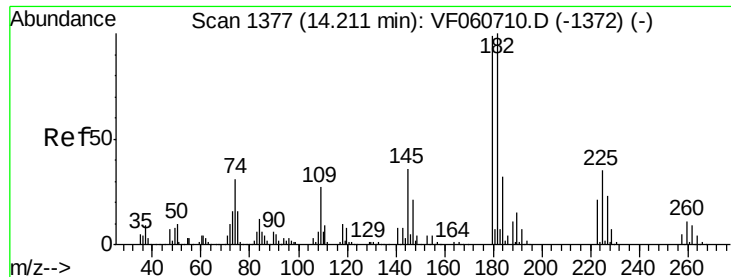
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.8
148	62.3	34.1	102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 88.373 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	37.4	112.2
157	116.5	46.0	138.0

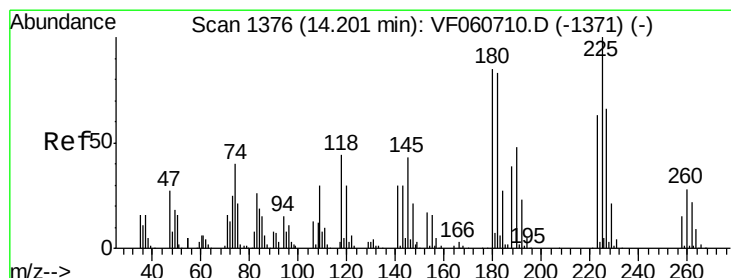
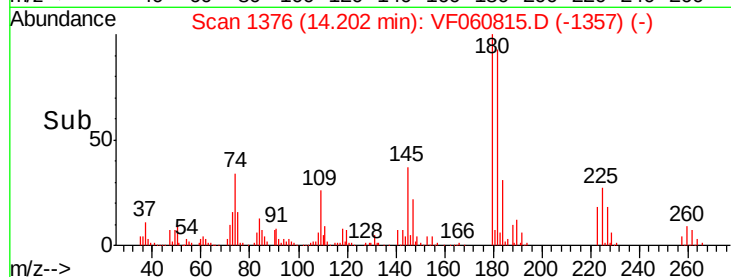
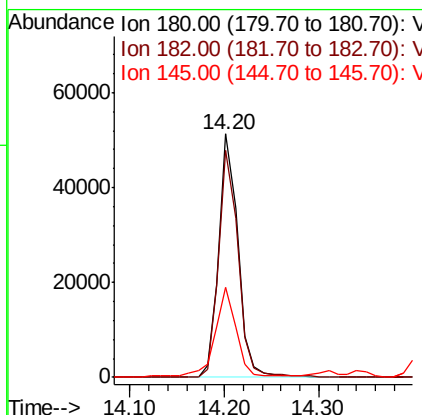
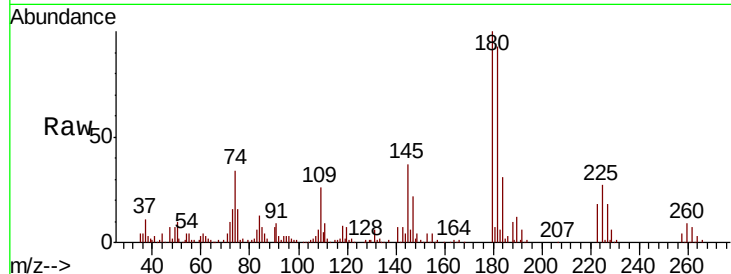




#93
 1,2,4-Trichlorobenzene
 Concen: 35.895 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

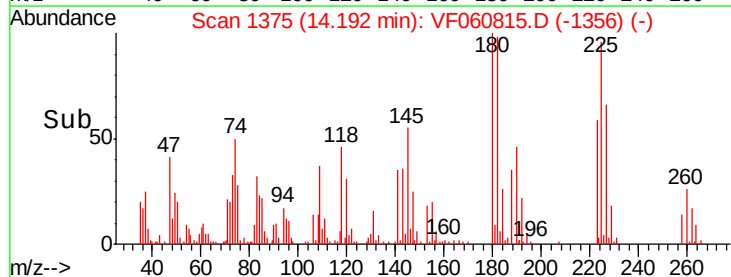
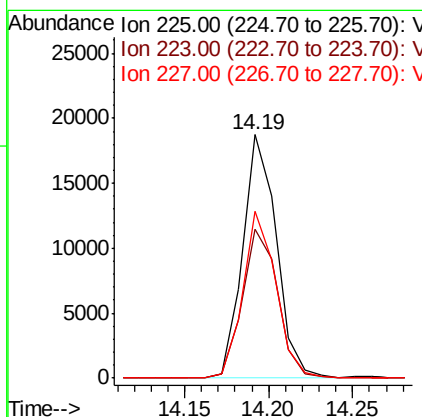
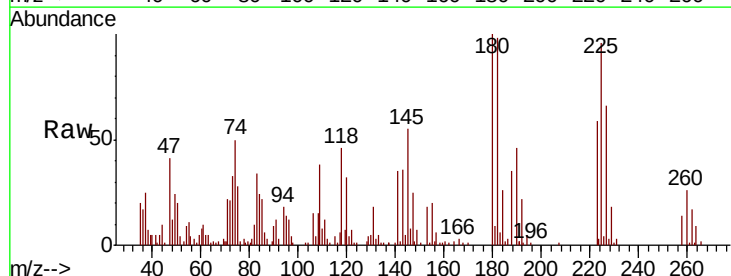
Instrument :
 MSVOA_F
 ClientSampleId :

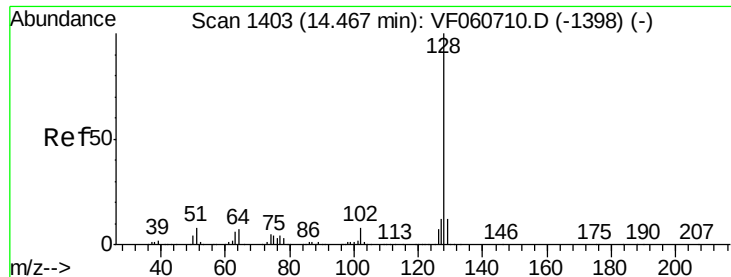
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	50.3	151.0
145	36.9	18.3	54.9



#94
 Hexachlorobutadiene
 Concen: 19.639 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060815.D
 Acq: 20 Nov 2018 21:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.5	94.5
227	68.3	33.0	99.0

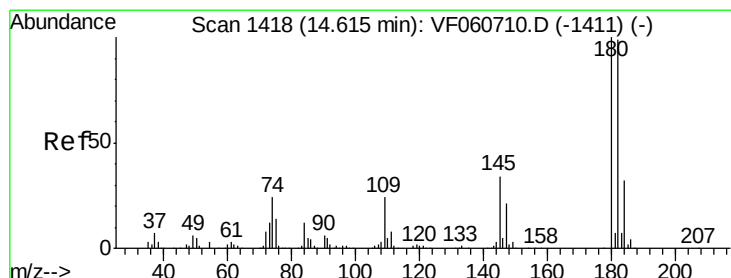
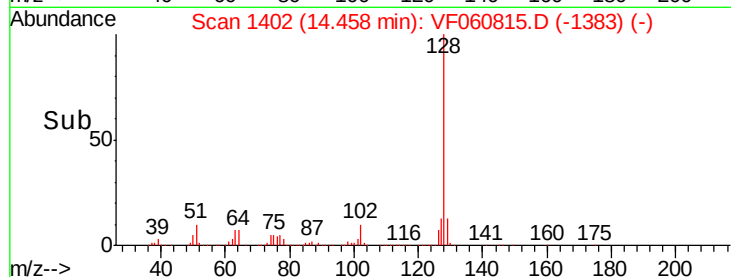
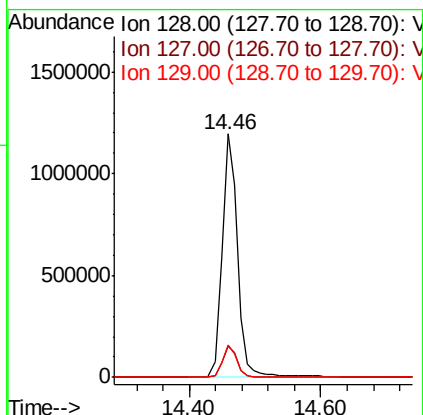
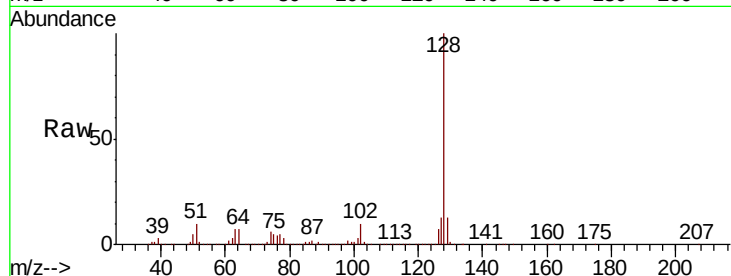




#95
Naphthalene
Concen: 528.528 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 1952854
Ion Ratio Lower Upper
128 100
127 12.8 9.8 14.6
129 13.1 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 34.961 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060815.D
Acq: 20 Nov 2018 21:04

Tgt Ion:180 Resp: 65417
Ion Ratio Lower Upper
180 100
182 100.1 49.6 149.0
145 38.4 16.9 50.7

