

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060761.D
 Acq On : 16 Nov 2018 12:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 17 04:20:44 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	4.89	168	191866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	314256	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	291802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	160151	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	99270	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
35) Dibromofluoromethane	4.13	113	116325	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	7.58	98	332522	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
62) 4-Bromofluorobenzene	11.42	95	152011	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	162423	47.302	ug/l	98
3) Chloromethane	1.11	50	101247	47.545	ug/l	98
4) Vinyl Chloride	1.15	62	88499	46.457	ug/l	99
5) Bromomethane	1.33	94	60977	50.391	ug/l	98
6) Chloroethane	1.39	64	38405	51.528	ug/l	97
7) Trichlorofluoromethane	1.50	101	198813	47.195	ug/l	98
8) Diethyl Ether	1.64	74	23274	43.121	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	90188	45.432	ug/l	98
10) Methyl Iodide	1.90	142	105825	33.225	ug/l	97
11) Tert butyl alcohol	2.58	59	24701	248.005	ug/l	95
12) 1,1-Dichloroethene	1.80	96	68405	43.701	ug/l	93
13) Acrolein	2.01	56	19538	214.543	ug/l	91
14) Allyl chloride	2.10	41	129547	47.241	ug/l	97
15) Acrylonitrile	2.95	53	42595	200.702	ug/l	90
16) Acetone	2.25	43	124219	265.557	ug/l	100
17) Carbon Disulfide	1.84	76	201260	42.541	ug/l	96
18) Methyl Acetate	2.36	43	33597	43.741	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	175345	46.694	ug/l	97
20) Methylene Chloride	2.19	84	27273	15.573	ug/l	94
21) trans-1,2-Dichloroethene	2.32	96	68241	41.727	ug/l	87
22) Diisopropyl ether	2.81	45	242721	45.846	ug/l	98
23) Vinyl Acetate	3.21	43	674861	270.696	ug/l	100
24) 1,1-Dichloroethane	2.88	63	147424	45.995	ug/l	99
25) 2-Butanone	4.34	43	207071	269.134	ug/l	97
26) 2,2-Dichloropropane	3.61	77	117445	46.563	ug/l	90
27) cis-1,2-Dichloroethene	3.49	96	145309	52.231	ug/l	97
28) Bromochloromethane	3.73	49	84776	50.893	ug/l	95
29) Tetrahydrofuran	4.09	42	85951	270.828	ug/l	99
30) Chloroform	3.88	83	249175	48.452	ug/l	94
31) Cyclohexane	3.71	56	201017	51.673	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	199733	49.319	ug/l	99
36) 1,1-Dichloropropene	4.30	75	189425	51.974	ug/l	96
37) Ethyl Acetate	4.12	43	76117	56.175	ug/l	86
38) Carbon Tetrachloride	4.01	117	166421	47.059	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	230401	54.490	ug/l	95
40) Benzene	4.65	78	432975	53.294	ug/l	99
41) Methacrylonitrile	4.76	41	40935	57.295	ug/l #	91
42) 1,2-Dichloroethane	4.96	62	147430	52.512	ug/l	100
43) Isopropyl Acetate	6.97	43	91023	50.666	ug/l #	97
44) Trichloroethene	5.52	130	131944	51.475	ug/l	97
45) 1,2-Dichloropropane	6.25	63	107478	50.839	ug/l	99
46) Dibromomethane	6.11	93	74505	53.388	ug/l	94
47) Bromodichloromethane	6.40	83	177464	49.798	ug/l	99
48) Methyl methacrylate	6.73	41	61196	51.469	ug/l	98
49) 1,4-Dioxane	6.73	88	11507	1034.814	ug/l	97
51) 4-Methyl-2-Pentanone	8.28	43	349172	268.728	ug/l	99
52) Toluene	7.65	92	274258	50.375	ug/l	99
53) t-1,3-Dichloropropene	8.30	75	143567	50.299	ug/l	98
54) cis-1,3-Dichloropropene	7.32	75	184350	49.723	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	79089	50.843	ug/l	93
56) Ethyl methacrylate	8.63	69	88943	50.346	ug/l	96
57) 1,3-Dichloropropane	8.87	76	139782	51.851	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.65	63	41276	255.768	ug/l	100
59) 2-Hexanone	9.51	43	261162	286.003	ug/l	97
60) Dibromochloromethane	8.73	129	109623	49.448	ug/l	99
61) 1,2-Dibromoethane	9.01	107	82515	50.438	ug/l	97
64) Tetrachloroethene	8.17	164	117245	50.739	ug/l	95
65) Chlorobenzene	9.82	112	301780	51.250	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	129305	50.346	ug/l	96
67) Ethyl Benzene	9.91	91	548730	49.439	ug/l	98
68) m/p-Xylenes	10.15	106	413291	104.194	ug/l	100
69) o-Xylene	10.72	106	235230	52.748	ug/l	96
70) Styrene	10.80	104	304941	50.385	ug/l	96
71) Bromoform	10.78	173	61734	53.453	ug/l	98
73) Isopropylbenzene	11.14	105	691003	53.603	ug/l	98
74) N-amyl acetate	11.38	43	172035	58.622	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	106120	49.792	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	73555	46.470	ug/l	98
77) Bromobenzene	11.51	156	140982	52.540	ug/l	91
78) n-propylbenzene	11.61	91	754951	50.214	ug/l	98
79) 2-Chlorotoluene	11.73	91	430386	49.253	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	519546	50.765	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	48682	62.603	ug/l	94
82) 4-Chlorotoluene	11.92	91	405260	45.271	ug/l	95
83) tert-Butylbenzene	12.14	119	553543	50.940	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	523264	49.436	ug/l	94
85) sec-Butylbenzene	12.32	105	716326	48.595	ug/l	99
86) p-Isopropyltoluene	12.47	119	596977	48.490	ug/l	96
87) 1,3-Dichlorobenzene	12.49	146	251857	47.165	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	256213	49.923	ug/l	96
89) n-Butylbenzene	12.85	91	595097	47.366	ug/l	98
90) Hexachloroethane	12.93	117	152686	50.706	ug/l	85
91) 1,2-Dichlorobenzene	12.95	146	248633	49.450	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19702	49.184	ug/l	85

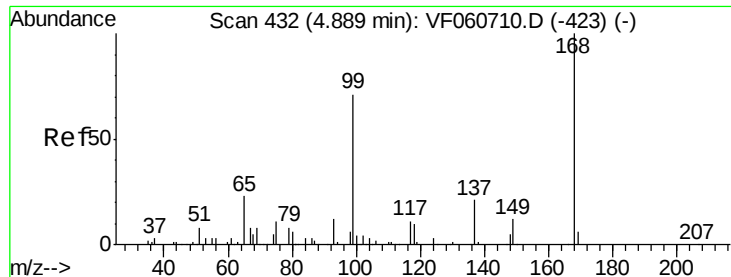
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	179446	49.655	ug/l	96
94) Hexachlorobutadiene	14.21	225	117666	49.826	ug/l	96
95) Naphthalene	14.47	128	351637	53.326	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	173941	52.088	ug/l	97

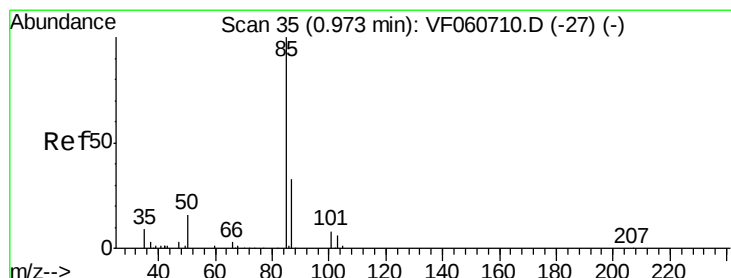
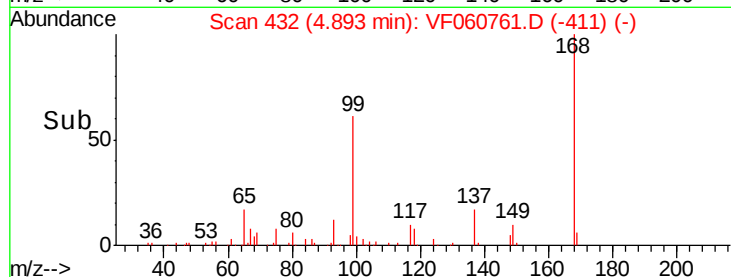
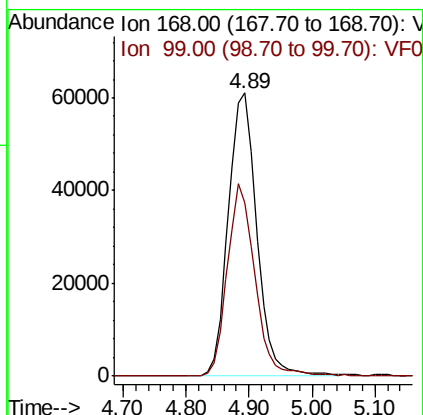
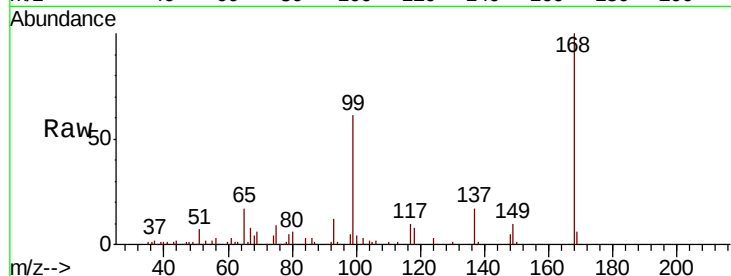
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

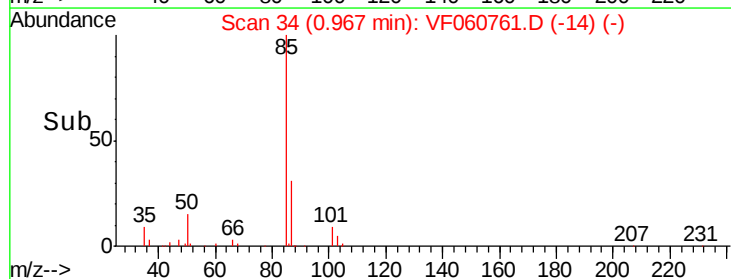
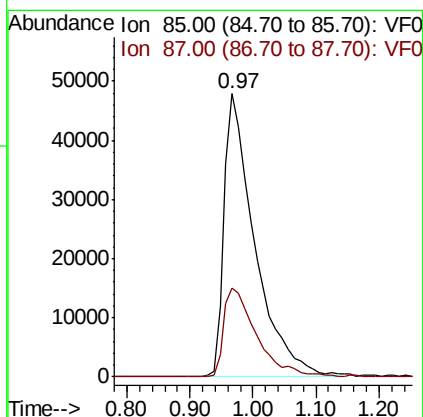
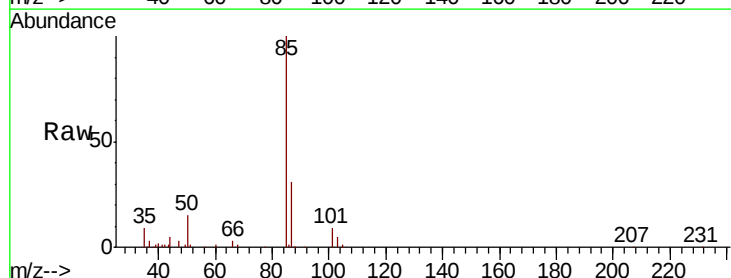
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

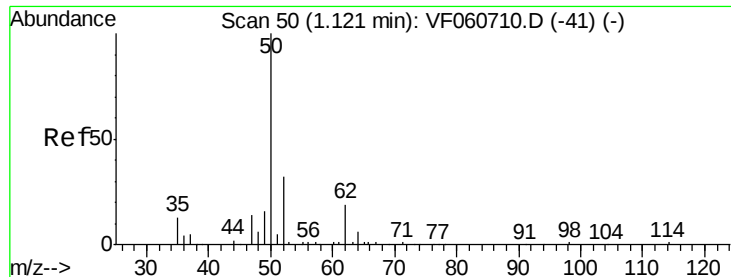
Tot Ion:168 Resp: 191866
Ion Ratio Lower Upper
168 100
99 61.3 57.2 85.8



#2
Dichlorodifluoromethane
Concen: 47.302 ug/l
RT: 0.97 min Scan# 34
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion: 85 Resp: 162423
Ion Ratio Lower Upper
85 100
87 31.2 16.3 48.9





#3

Chloromethane

Concen: 47.545 ug/l

RT: 1.11 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

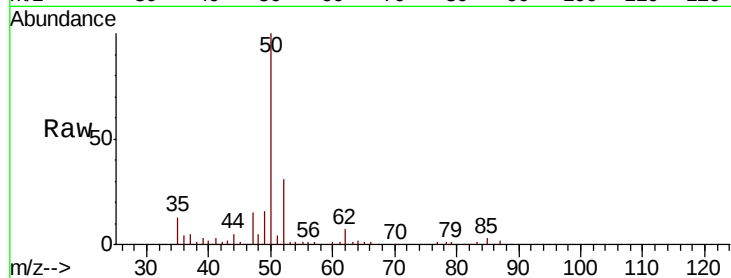
VSTDCCC050

Tot Ion: 50 Resp: 101247

Ion Ratio Lower Upper

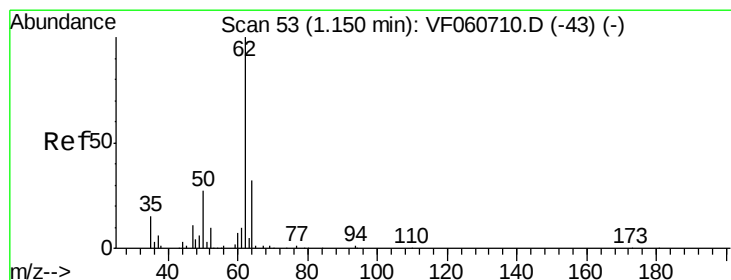
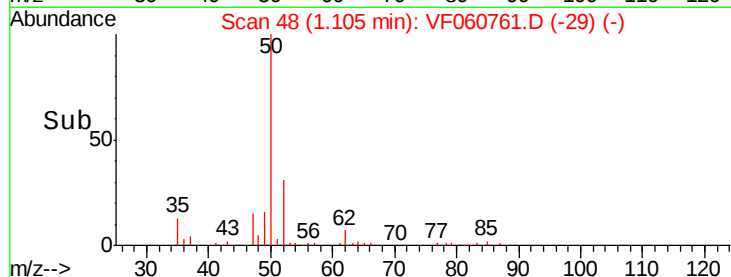
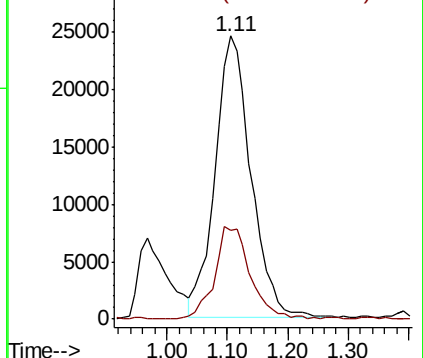
50 100

52 31.3 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 46.457 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060761.D

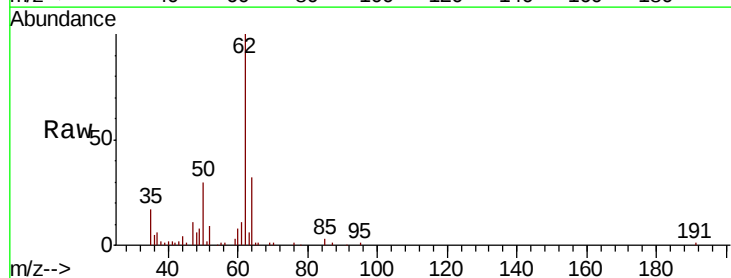
Acq: 16 Nov 2018 12:22

Tgt Ion: 62 Resp: 88499

Ion Ratio Lower Upper

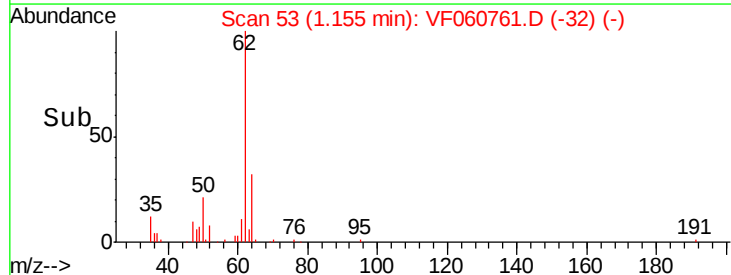
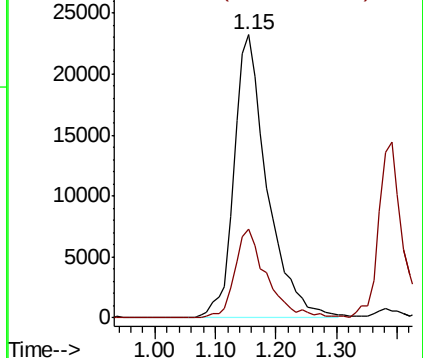
62 100

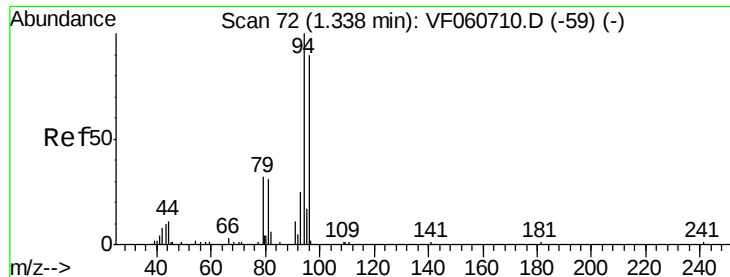
64 31.5 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 50.391 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

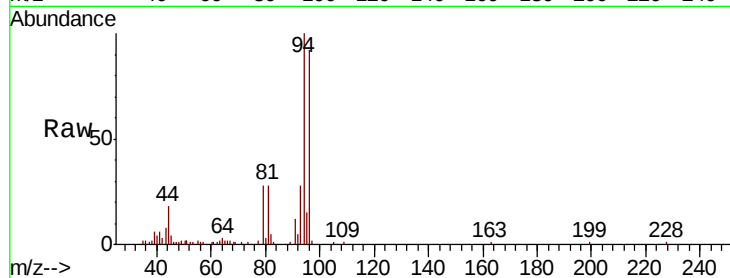
VSTDCCC050

Tot Ion: 94 Resp: 60977

Ion Ratio Lower Upper

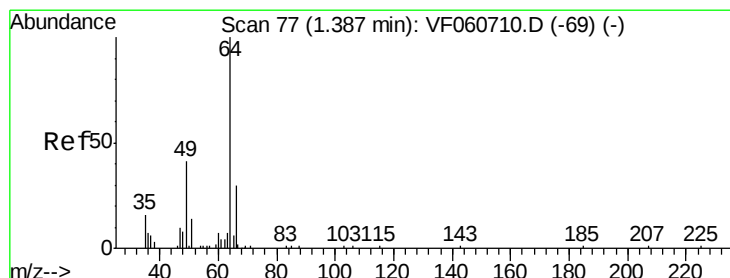
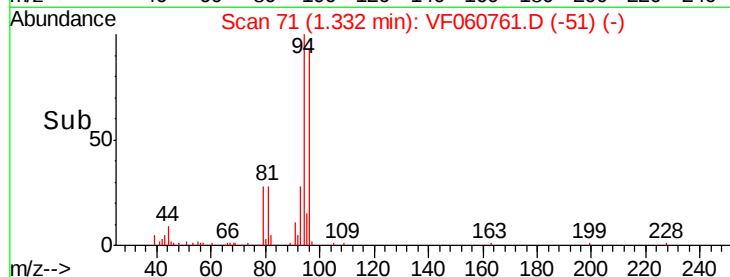
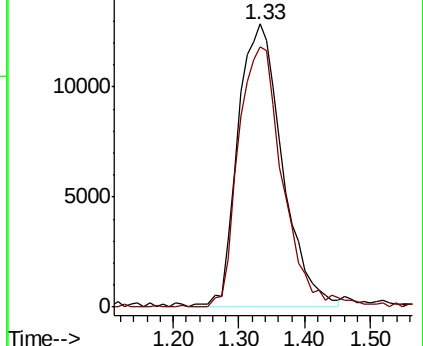
94 100

96 91.9 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 51.528 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060761.D

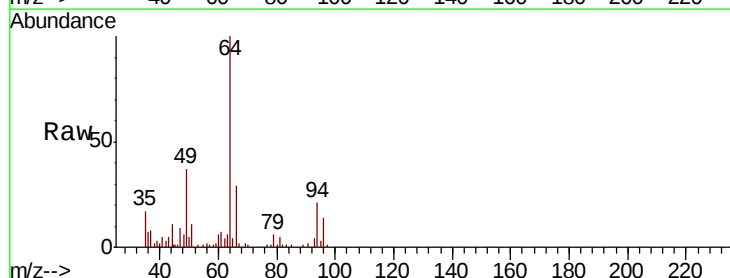
Acq: 16 Nov 2018 12:22

Tgt Ion: 64 Resp: 38405

Ion Ratio Lower Upper

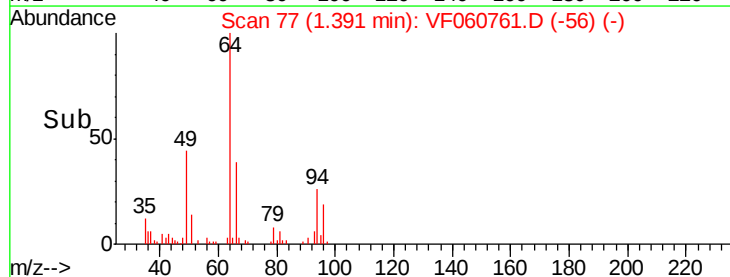
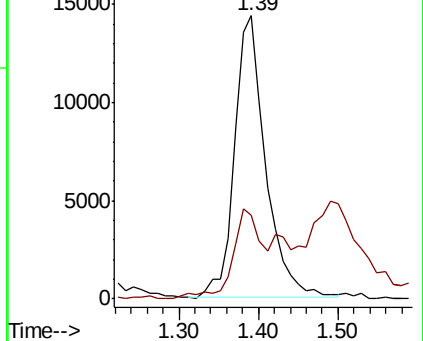
64 100

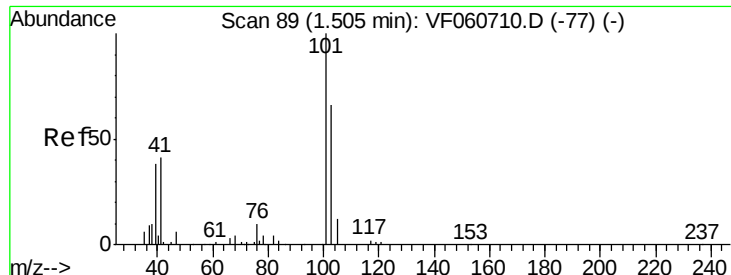
66 29.4 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 47.195 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

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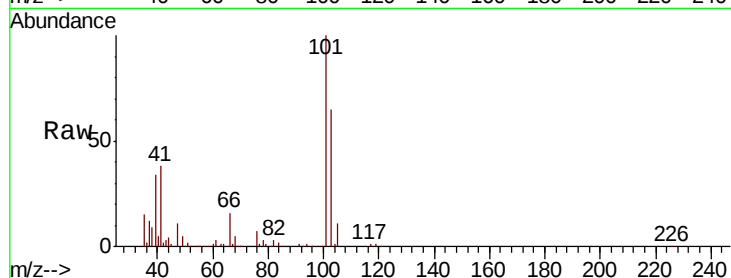
VSTDCCC050

Tot Ion:101 Resp: 198813

Ion Ratio Lower Upper

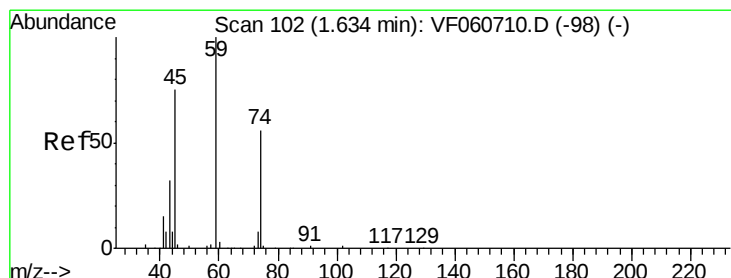
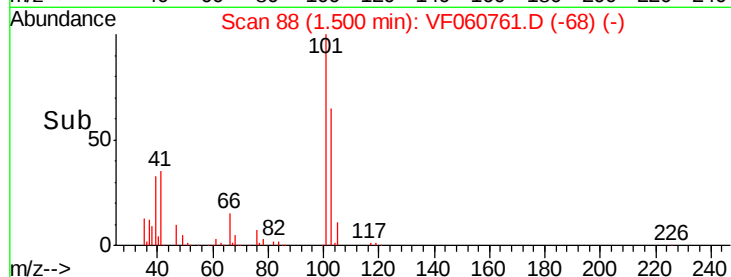
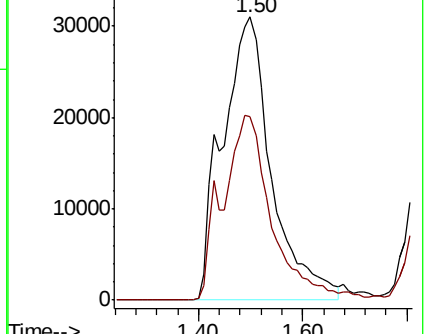
101 100

103 64.9 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 43.121 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060761.D

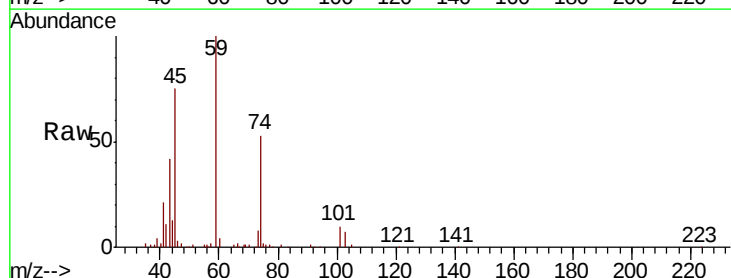
Acq: 16 Nov 2018 12:22

Tgt Ion: 74 Resp: 23274

Ion Ratio Lower Upper

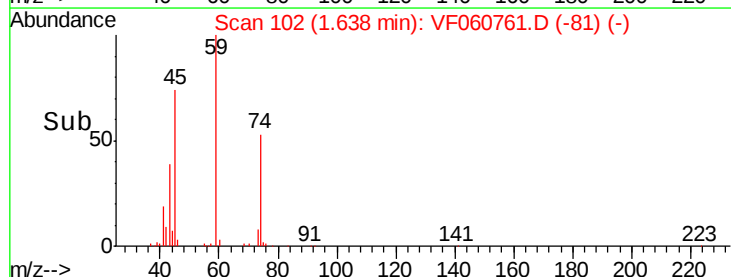
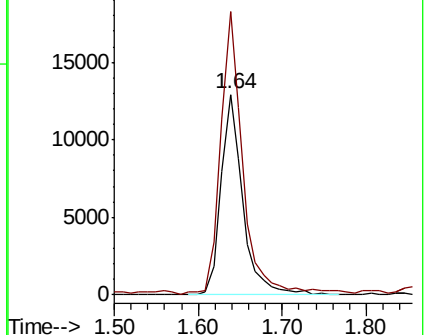
74 100

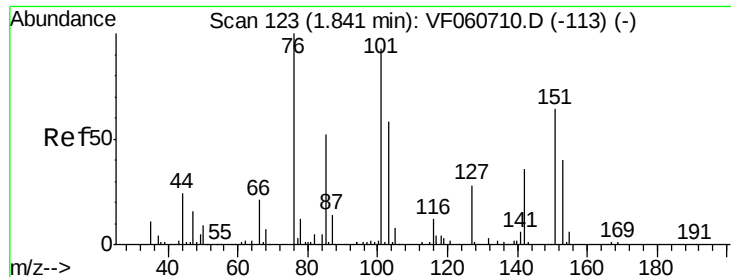
45 141.2 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.432 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

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ClientSampleId :

VSTDCCC050

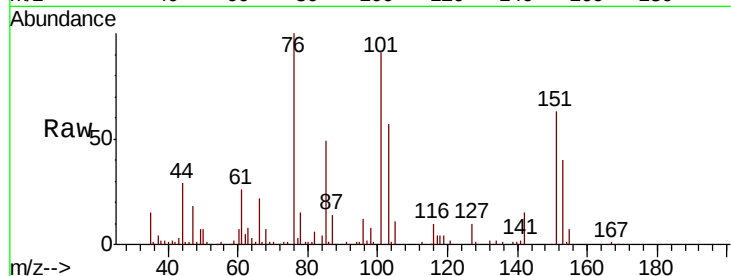
Tot Ion:101 Resp: 90188

Ion Ratio Lower Upper

101 100

85 53.8 43.6 65.4

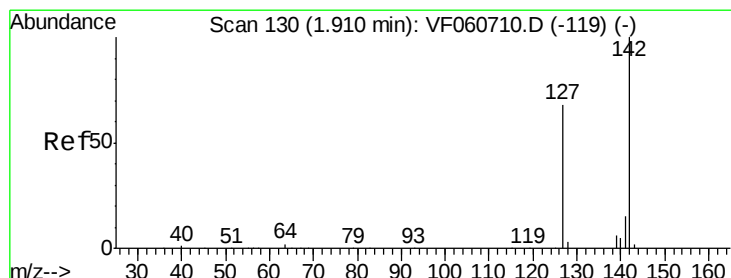
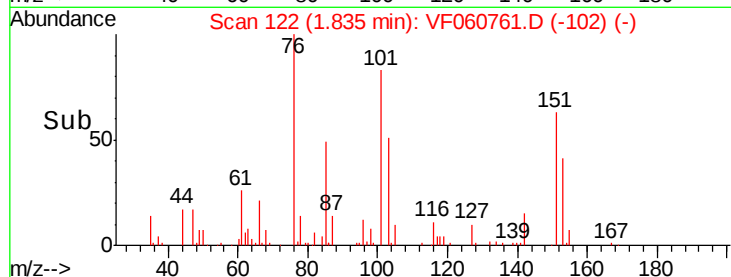
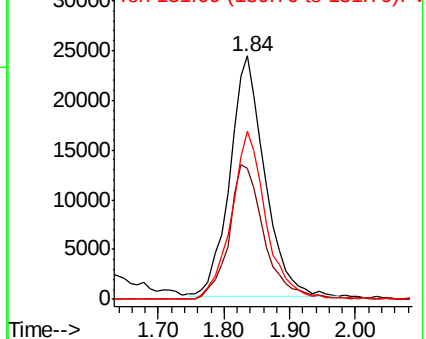
151 68.8 53.1 79.7



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: 33.225 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

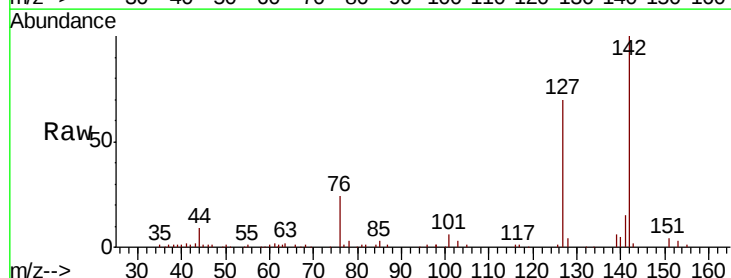
Tgt Ion:142 Resp: 105825

Ion Ratio Lower Upper

142 100

127 70.0 54.0 81.0

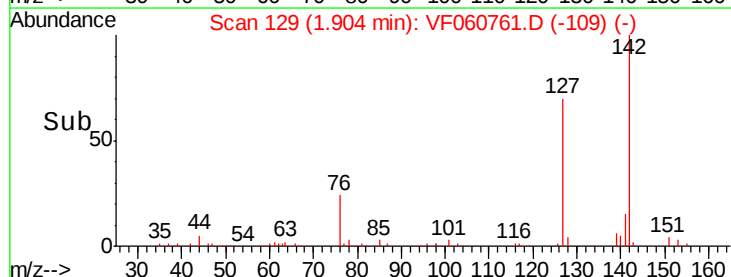
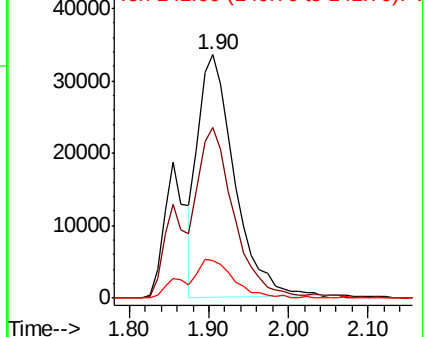
141 15.3 12.3 18.5

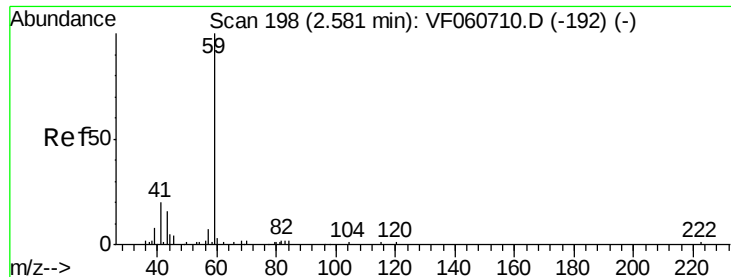


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



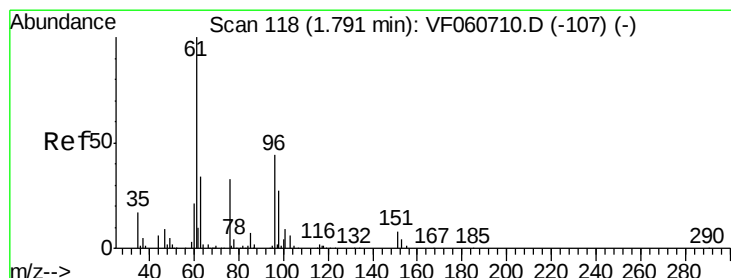
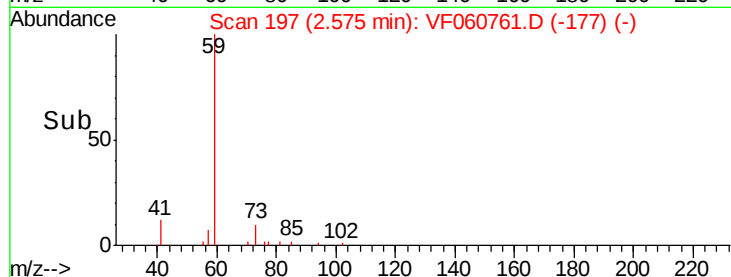
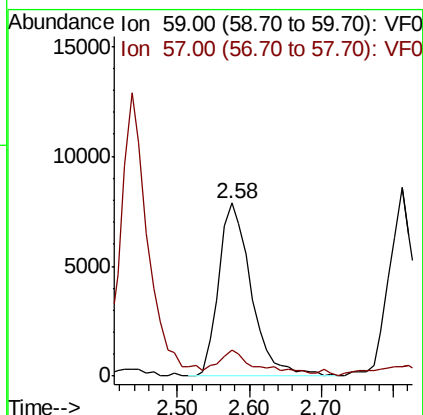
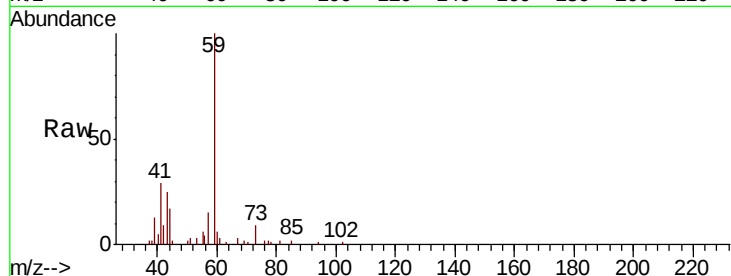


#11

Tert butyl alcohol
Concen: 248.005 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

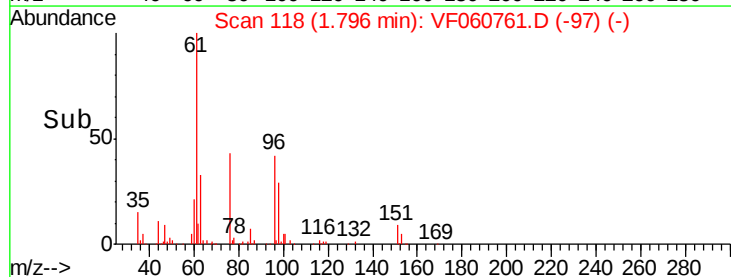
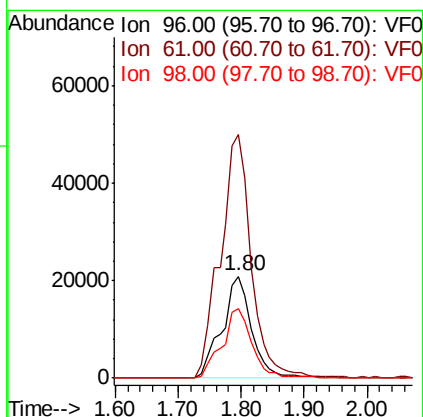
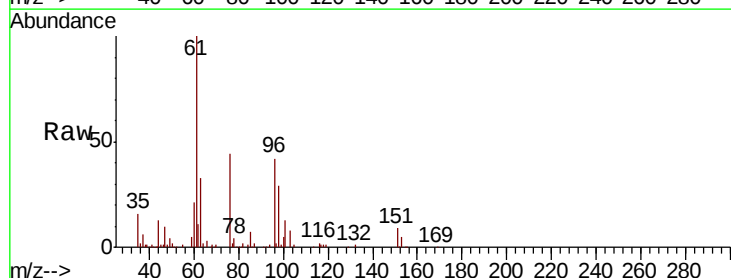
Tot Ion: 59 Resp: 24701
Ion Ratio Lower Upper
59 100
57 15.0 10.5 15.7

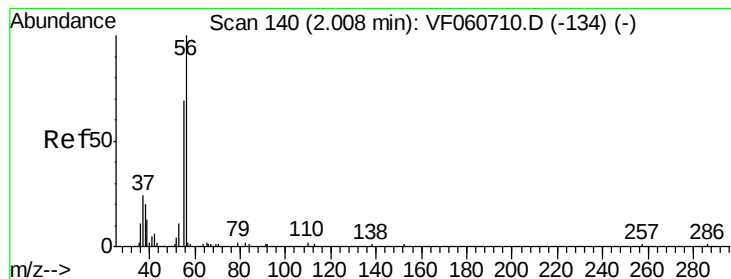


#12

1,1-Dichloroethene
Concen: 43.701 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion: 96 Resp: 68405
Ion Ratio Lower Upper
96 100
61 238.6 182.2 273.2
98 68.1 49.2 73.8





#13

Acrolein

Concen: 214.543 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

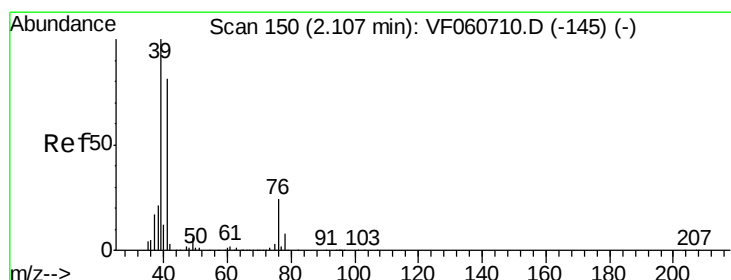
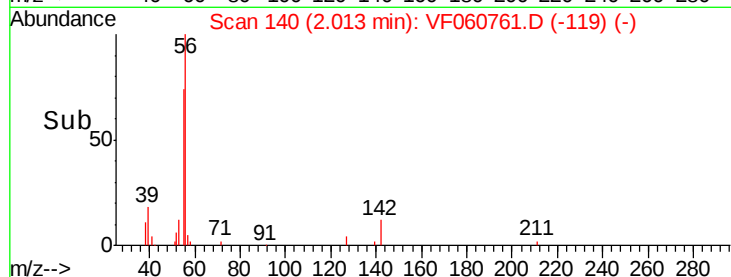
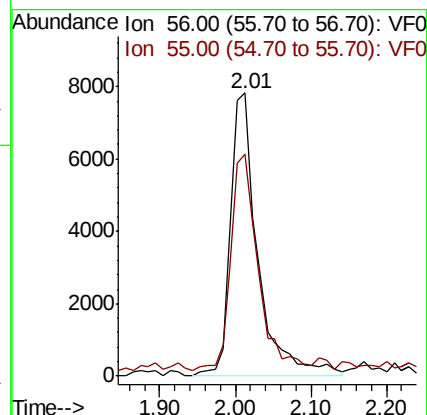
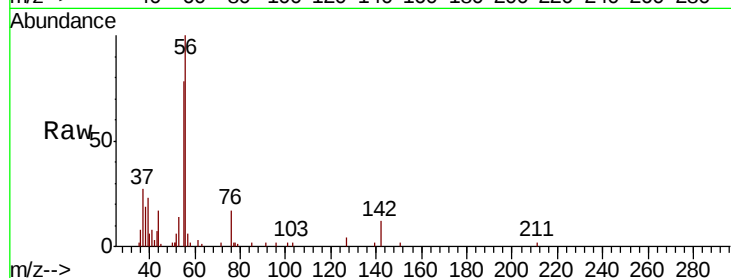
VSTDCCC050

Tot Ion: 56 Resp: 19538

Ion Ratio Lower Upper

56 100

55 78.3 56.6 85.0



#14

Allyl chloride

Concen: 47.241 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

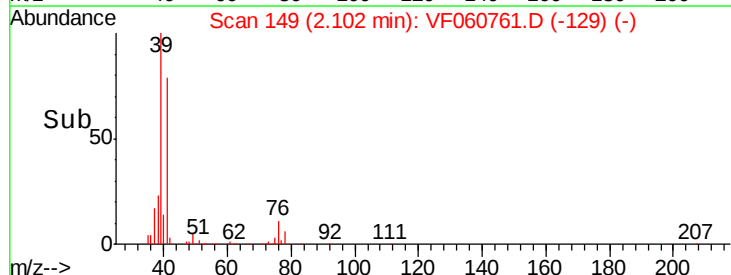
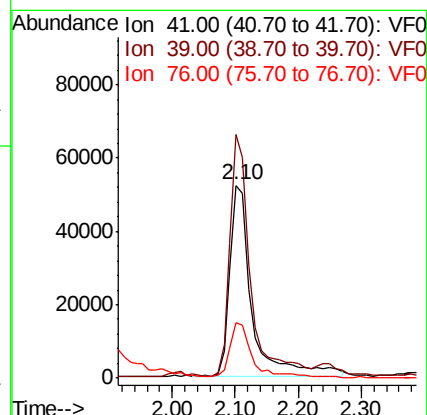
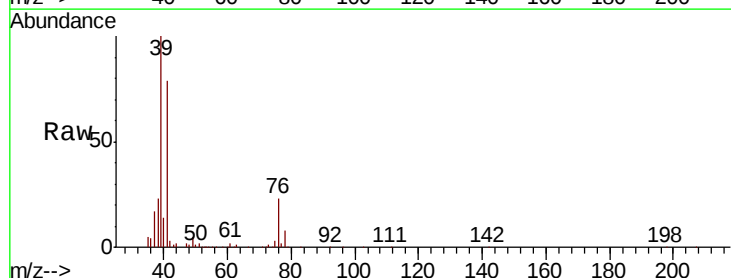
Tgt Ion: 41 Resp: 129547

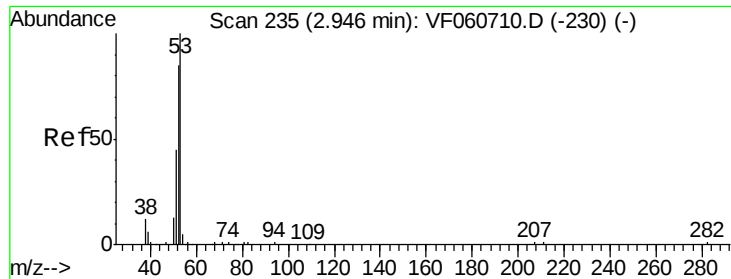
Ion Ratio Lower Upper

41 100

39 126.2 98.5 147.7

76 28.8 24.5 36.7





#15

Acrylonitrile

Concen: 200.702 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

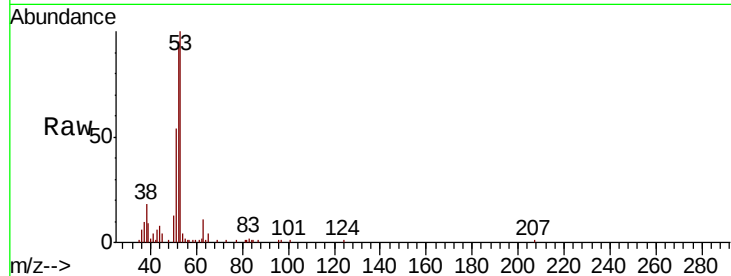
Tot Ion: 53 Resp: 42595

Ion Ratio Lower Upper

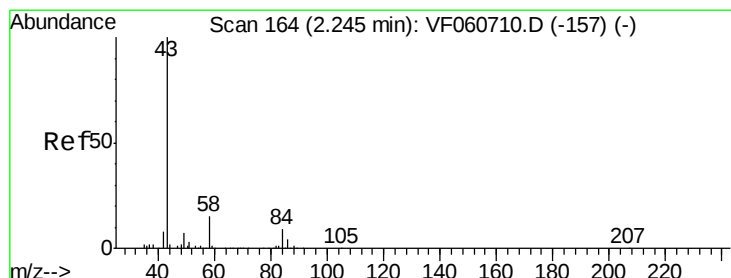
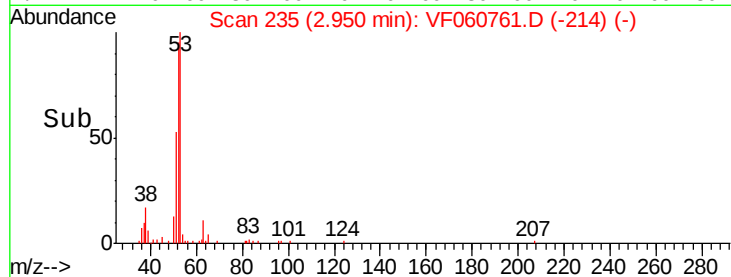
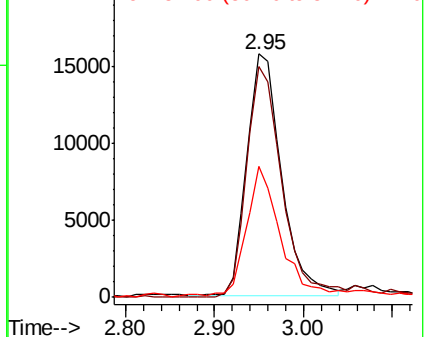
53 100

52 94.5 68.8 103.2

51 53.6 36.7 55.1



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



#16

Acetone

Concen: 265.557 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF060761.D

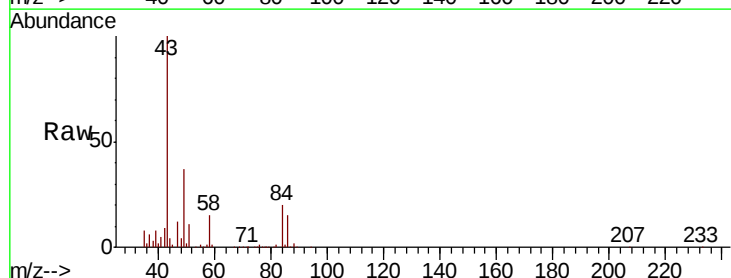
Acq: 16 Nov 2018 12:22

Tgt Ion: 43 Resp: 124219

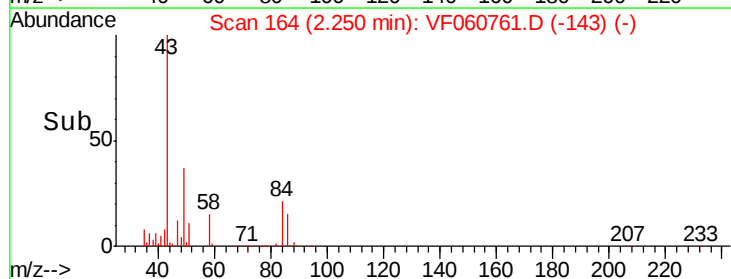
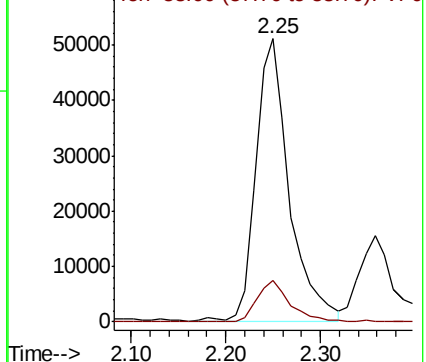
Ion Ratio Lower Upper

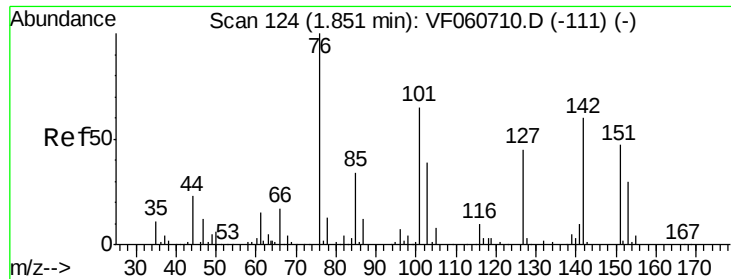
43 100

58 14.7 11.6 17.4



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

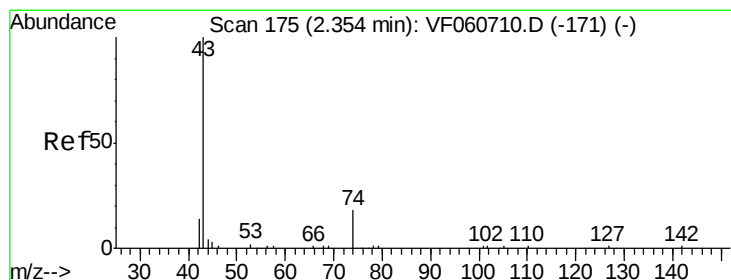
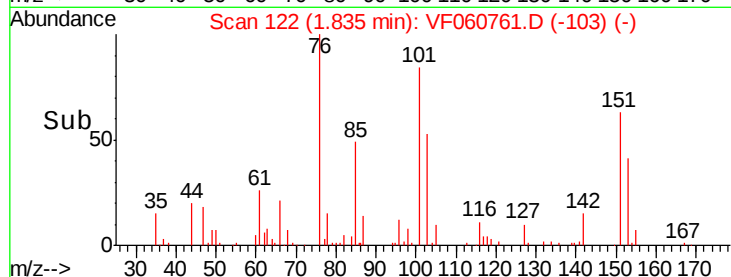
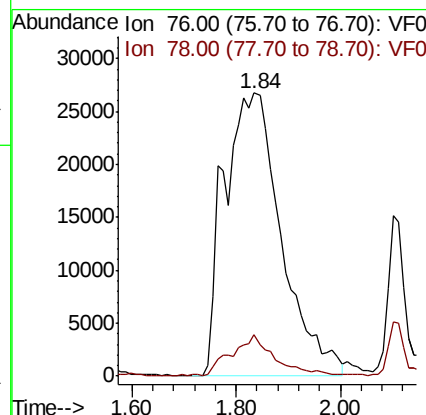
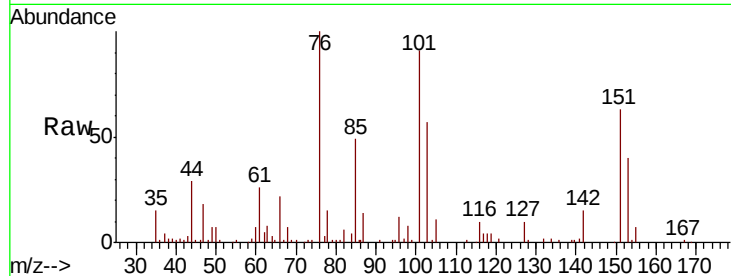




#17
Carbon Disulfide
Concen: 42.541 ug/l
RT: 1.84 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

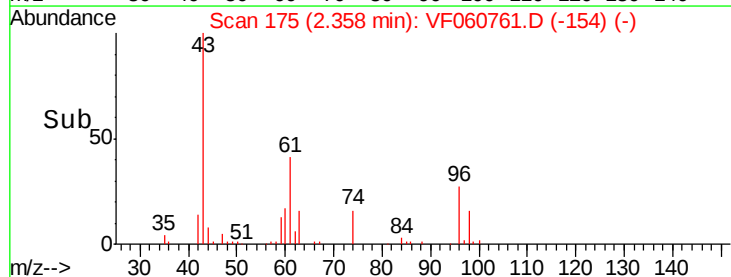
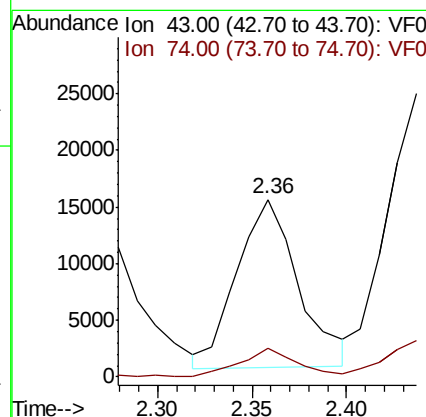
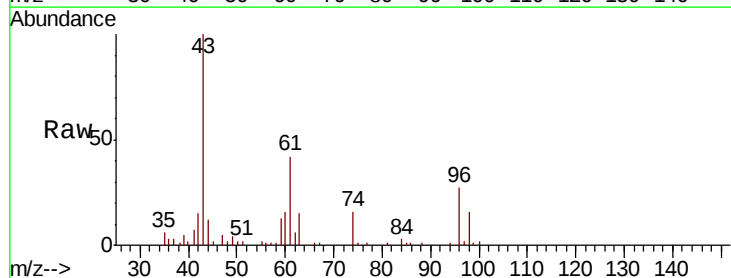
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

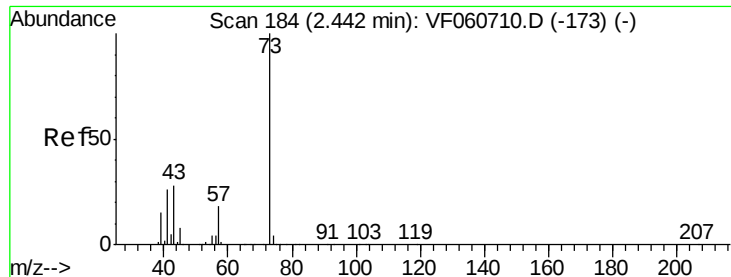
Tot Ion: 76 Resp: 201260
Ion Ratio Lower Upper
76 100
78 14.7 10.5 15.7



#18
Methyl Acetate
Concen: 43.741 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion: 43 Resp: 33597
Ion Ratio Lower Upper
43 100
74 16.0 11.8 17.8



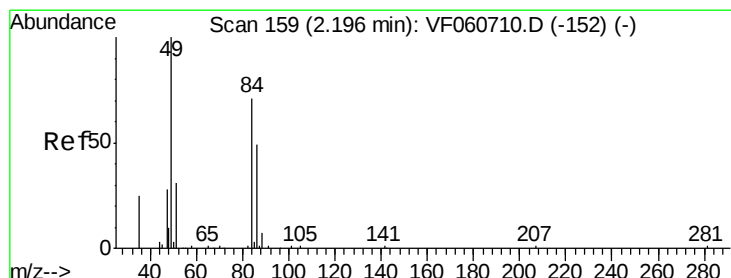
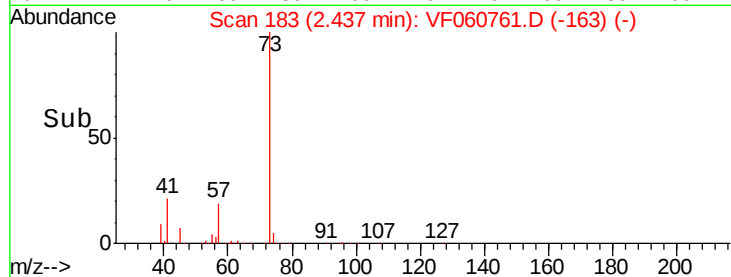
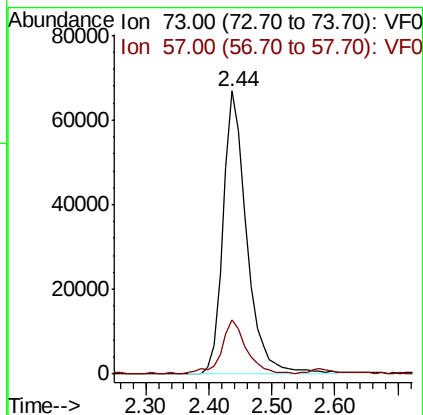
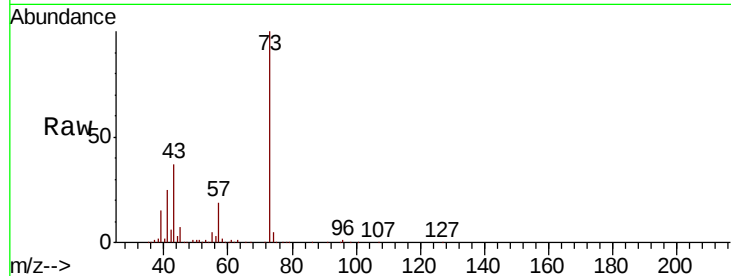


#19

Methyl tert-butyl Ether
 Concen: 46.694 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

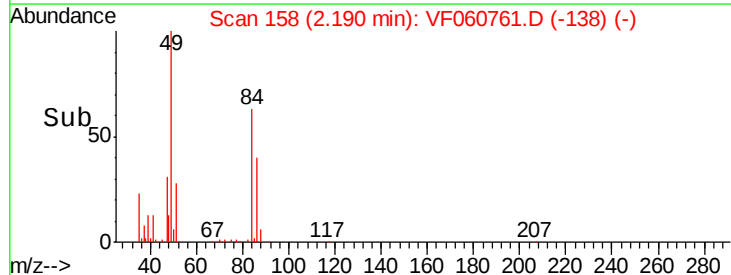
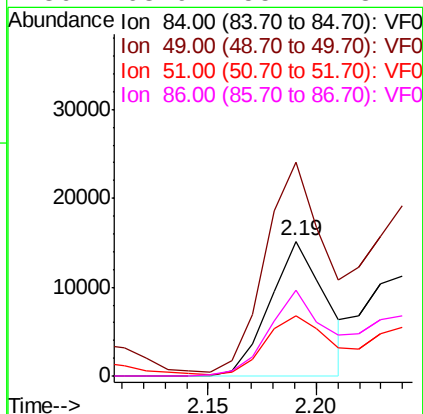
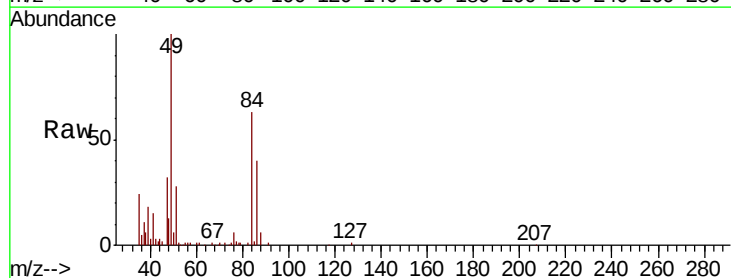
Tot Ion: 73 Resp: 175345
 Ion Ratio Lower Upper
 73 100
 57 19.3 14.3 21.5

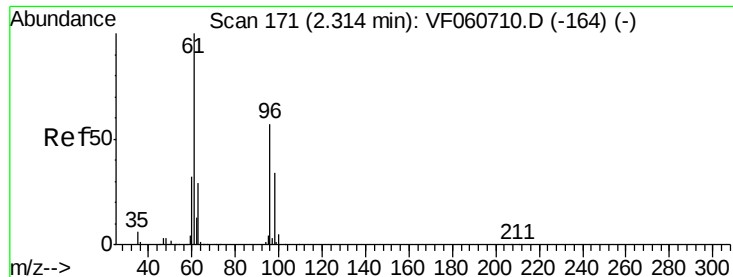


#20

Methylene Chloride
 Concen: 15.573 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

Tgt Ion: 84 Resp: 27273
 Ion Ratio Lower Upper
 84 100
 49 158.2 120.2 180.4
 51 44.4 37.2 55.8
 86 63.9 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 41.727 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

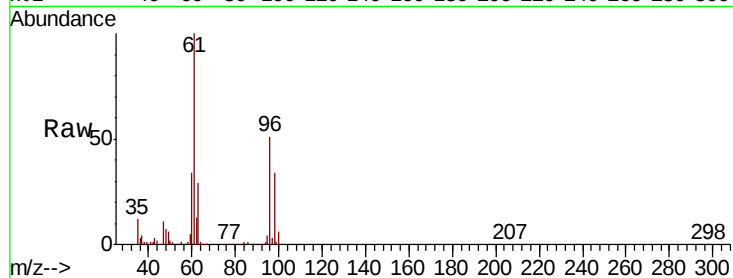
Tot Ion: 96 Resp: 68241

Ion Ratio Lower Upper

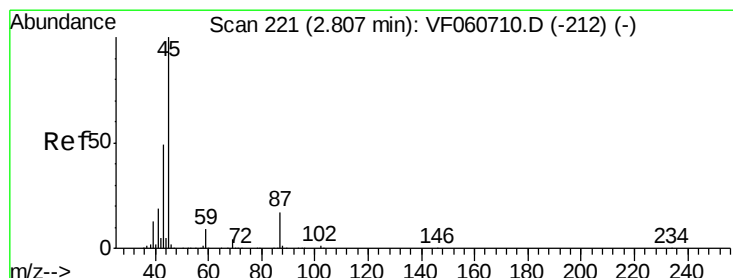
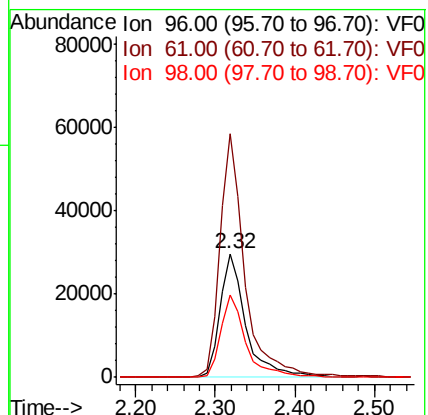
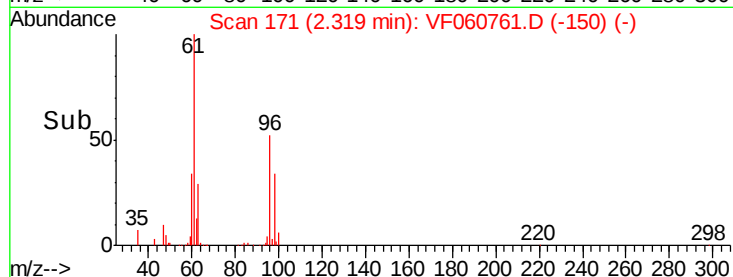
96 100

61 196.8 141.6 212.4

98 66.3 47.4 71.0



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



#22

Diisopropyl ether

Concen: 45.846 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Tgt Ion: 45 Resp: 242721

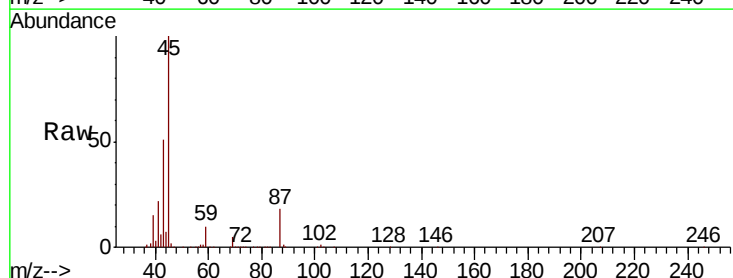
Ion Ratio Lower Upper

45 100

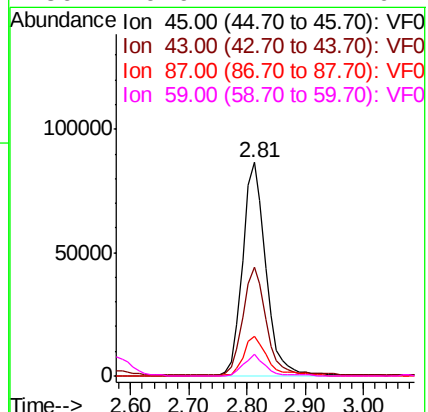
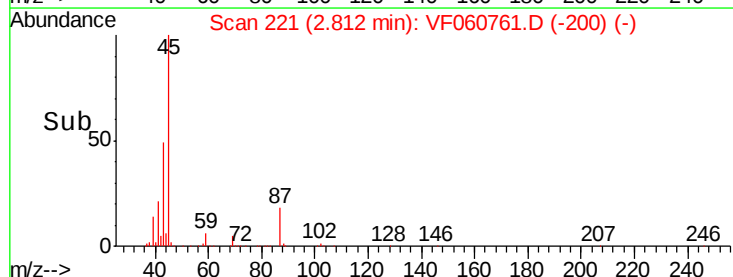
43 50.8 39.9 59.9

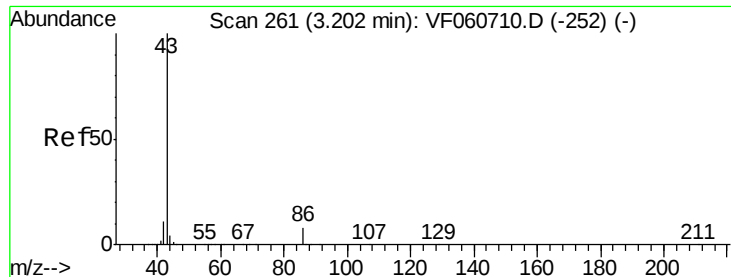
87 18.4 13.9 20.9

59 9.9 7.1 10.7



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 270.696 ug/l

RT: 3.21 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

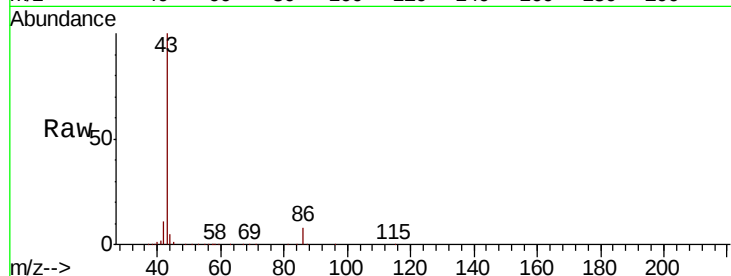
VSTDCCC050

Tot Ion: 43 Resp: 674861

Ion Ratio Lower Upper

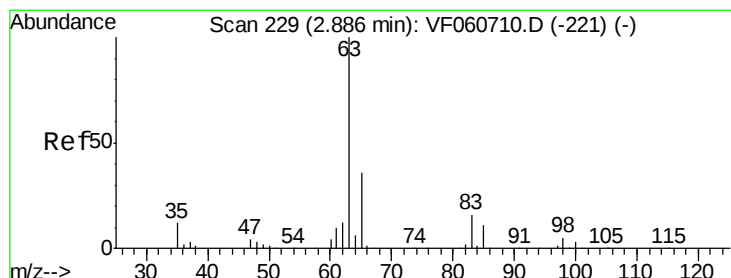
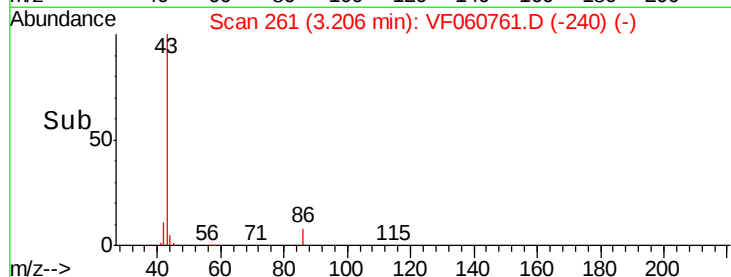
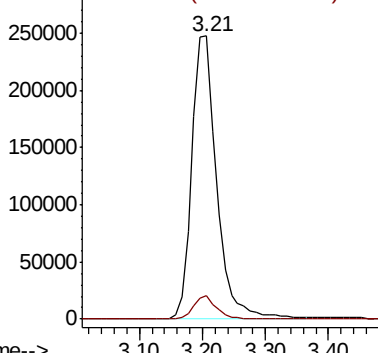
43 100

86 8.1 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 45.995 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

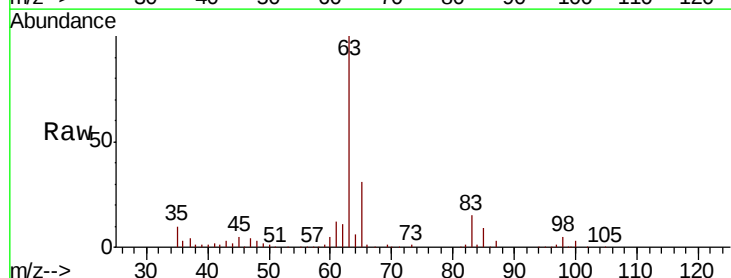
Tgt Ion: 63 Resp: 147424

Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

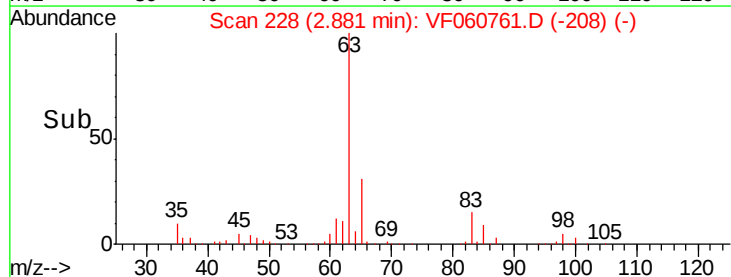
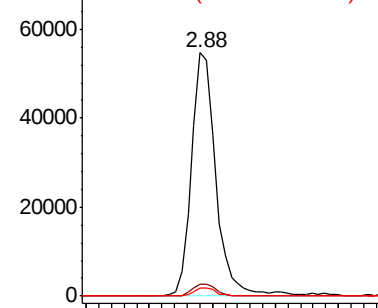
100 3.3 1.4 4.2

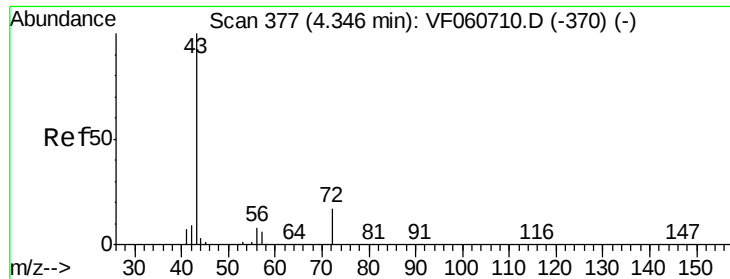


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 269.134 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

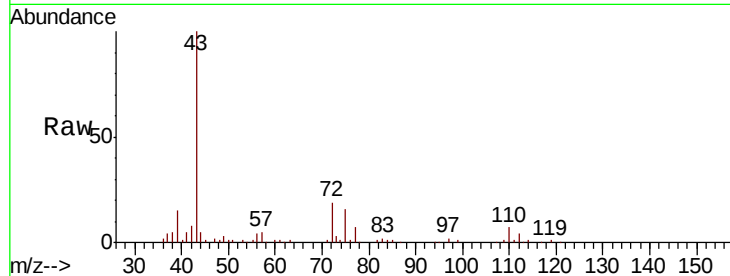
VSTDCCC050

Tot Ion: 43 Resp: 207071

Ion Ratio Lower Upper

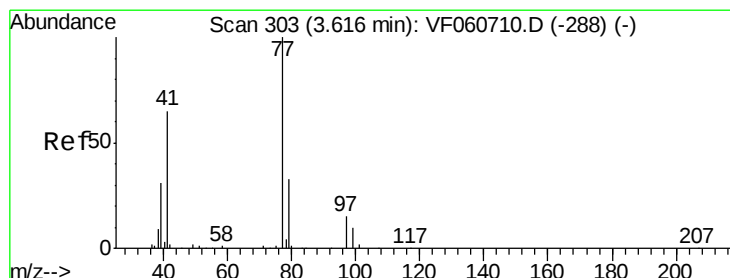
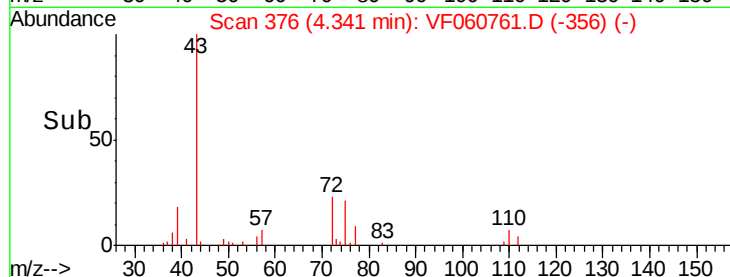
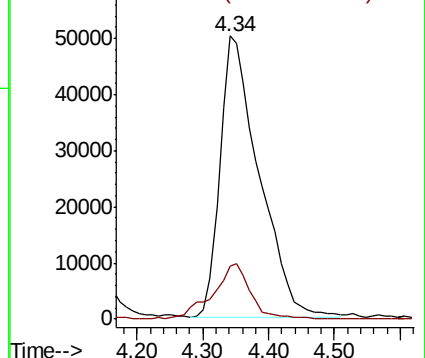
43 100

72 18.7 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 46.563 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060761.D

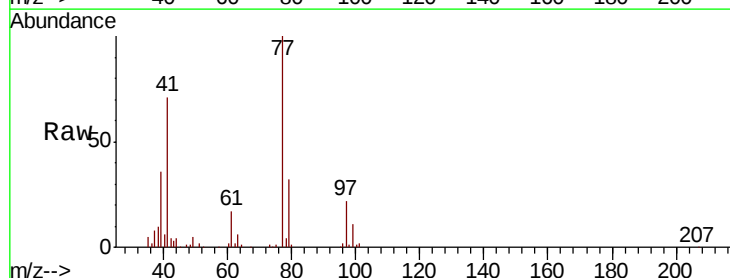
Acq: 16 Nov 2018 12:22

Tgt Ion: 77 Resp: 117445

Ion Ratio Lower Upper

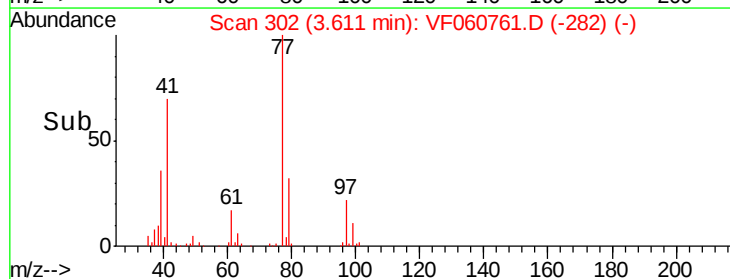
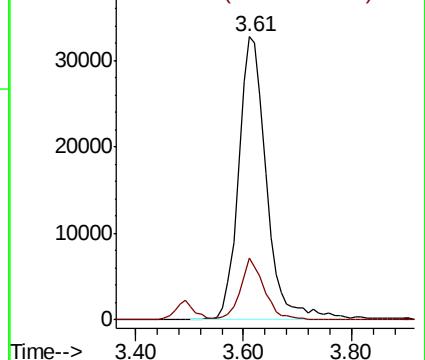
77 100

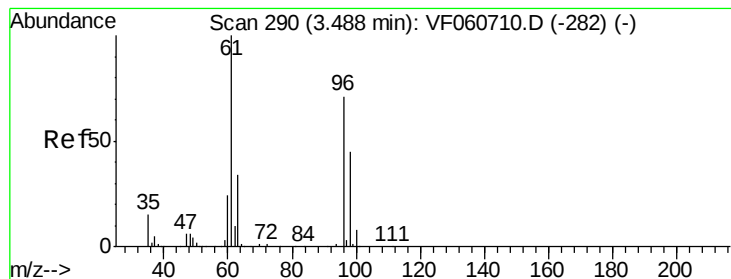
97 21.9 8.8 26.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



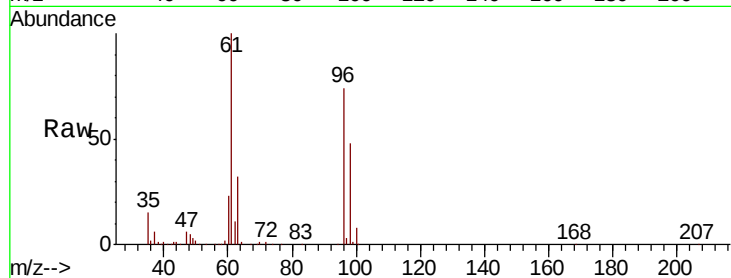


#27

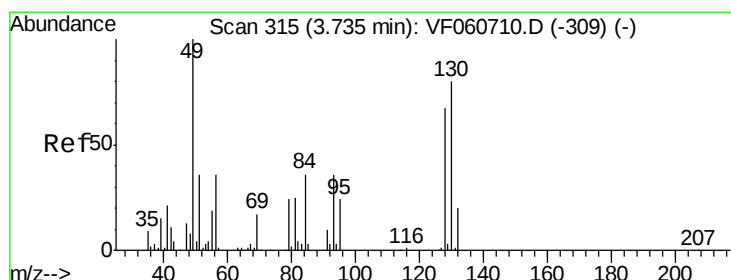
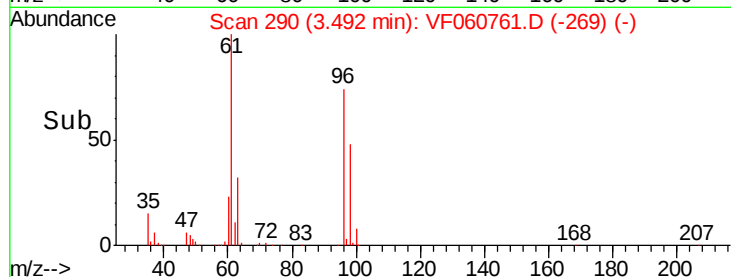
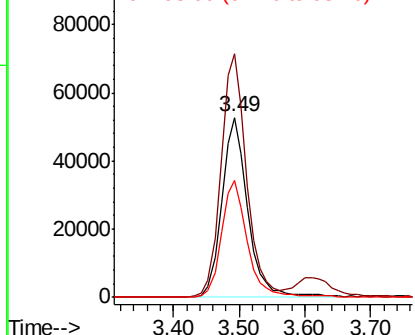
cis-1,2-Dichloroethene
Concen: 52.231 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	145309
Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	280.6
98	65.0	0.0	127.6



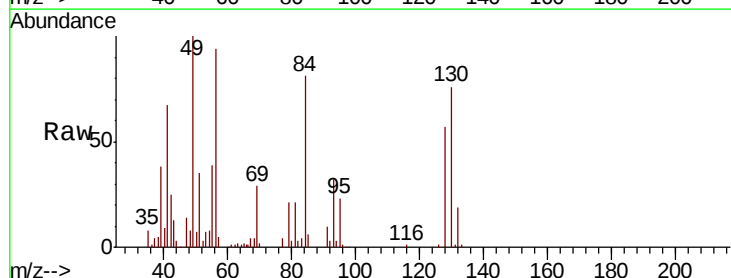
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



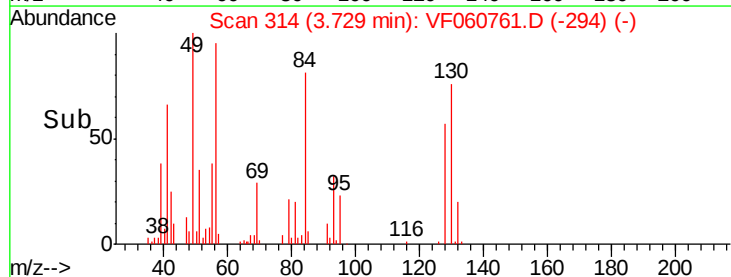
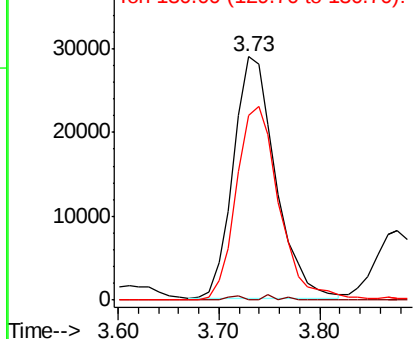
#28

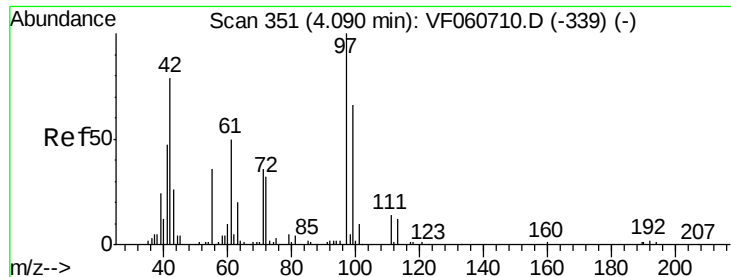
Bromochloromethane
Concen: 50.893 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion	49	Resp	84776
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	76.0	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: 270.828 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

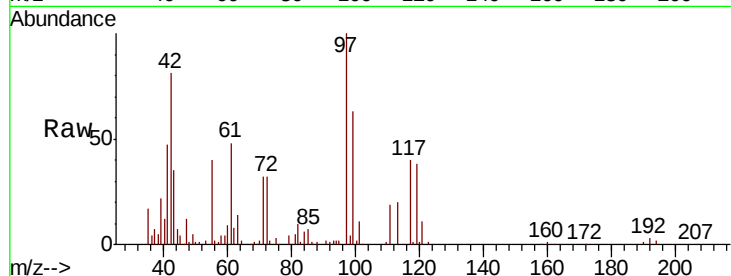
Tot Ion: 42 Resp: 85951

Ion Ratio Lower Upper

42 100

72 38.8 30.3 45.5

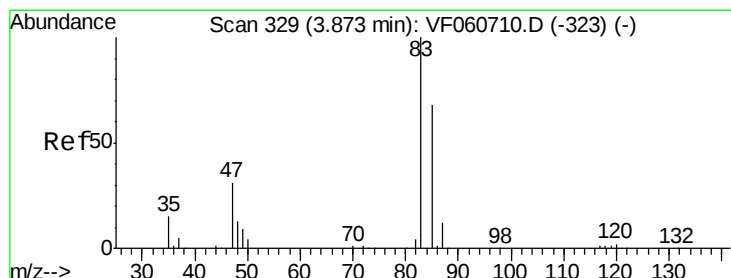
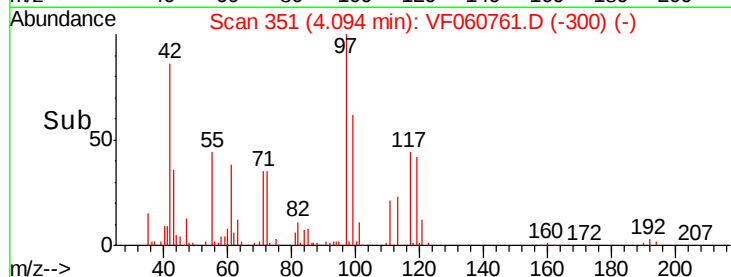
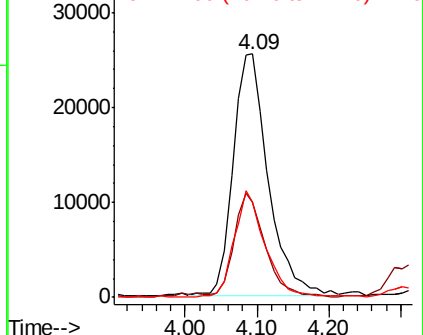
71 39.3 32.2 48.2



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: 48.452 ug/l

RT: 3.88 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF060761.D

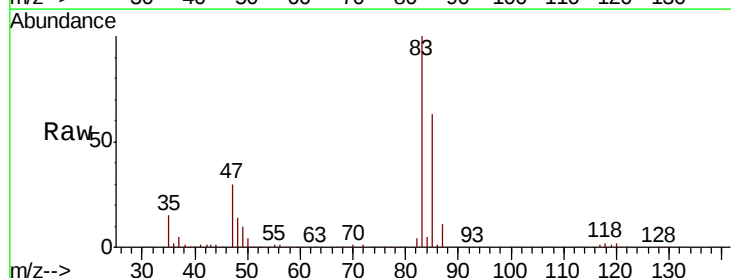
Acq: 16 Nov 2018 12:22

Tgt Ion: 83 Resp: 249175

Ion Ratio Lower Upper

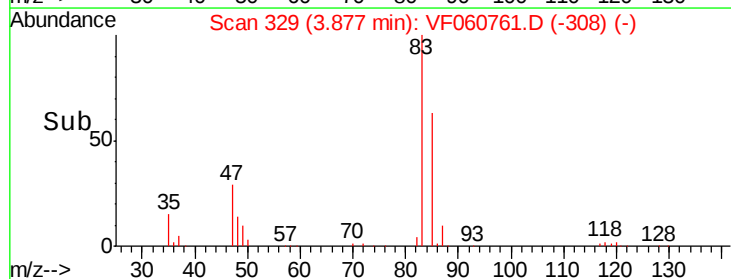
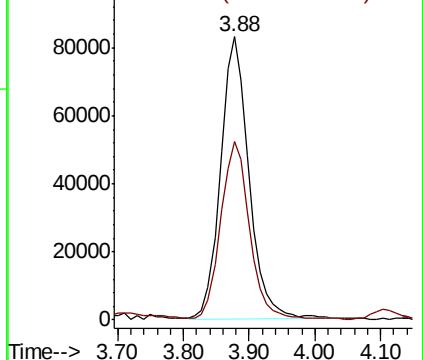
83 100

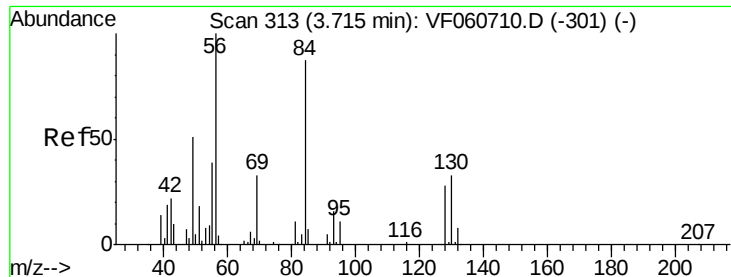
85 63.1 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 51.673 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

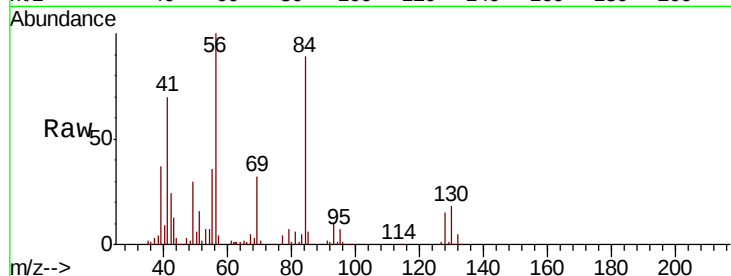
Tot Ion: 56 Resp: 201017

Ion Ratio Lower Upper

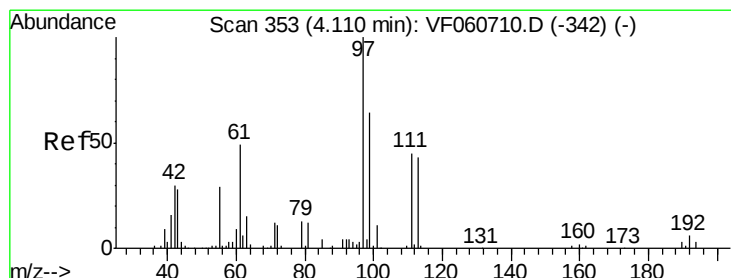
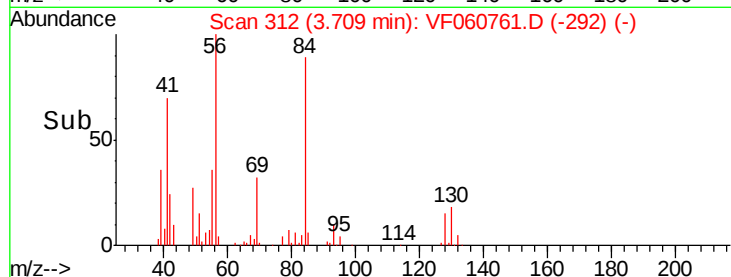
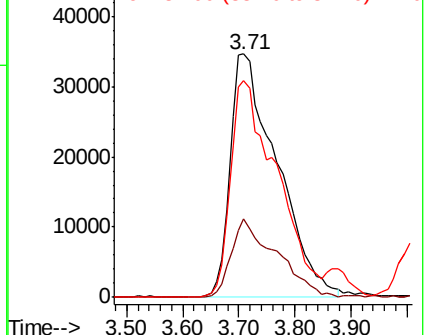
56 100

69 32.0 26.0 39.0

84 89.1 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: 49.319 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

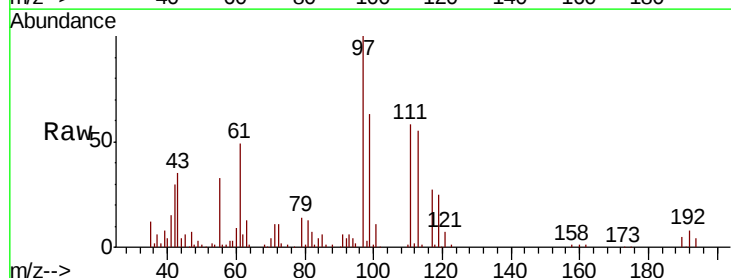
Tgt Ion: 97 Resp: 199733

Ion Ratio Lower Upper

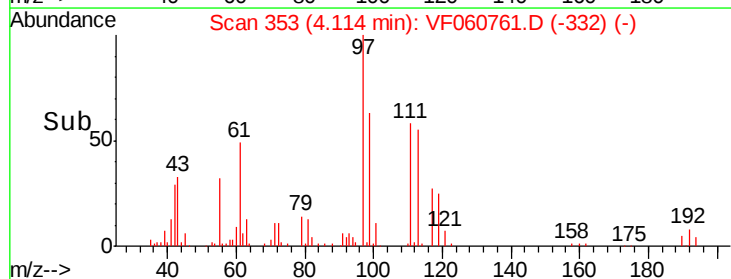
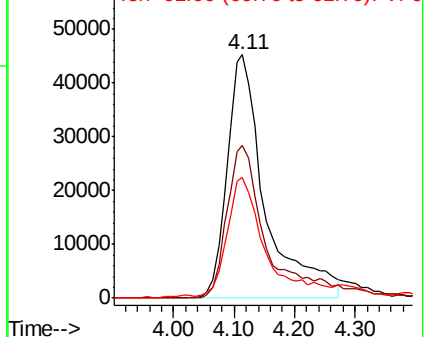
97 100

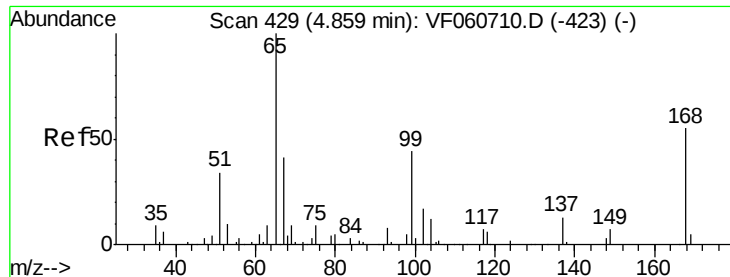
99 62.9 51.1 76.7

61 49.4 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: 45.361 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

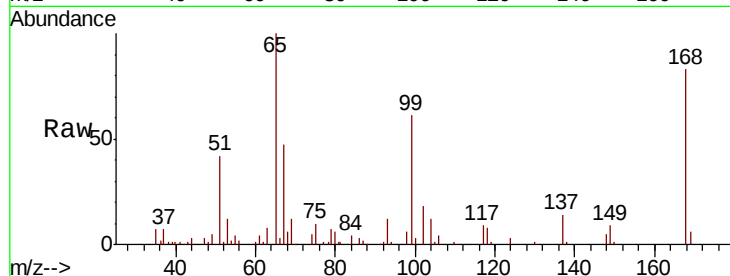
VSTDCCC050

Tot Ion: 65 Resp: 99270

Ion Ratio Lower Upper

65 100

67 46.8 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

30000

20000

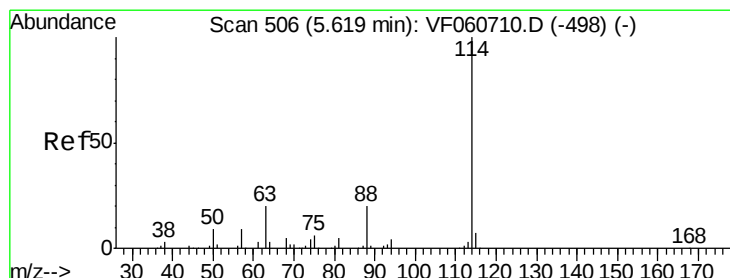
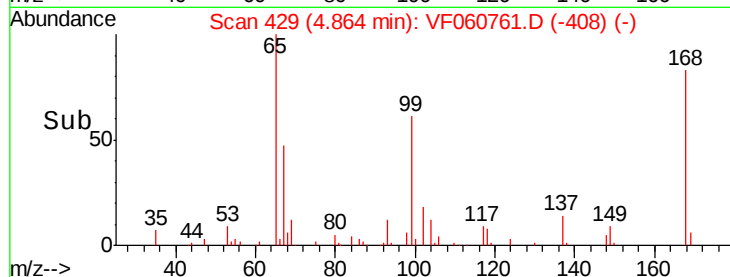
10000

0

Time-->

4.80

4.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

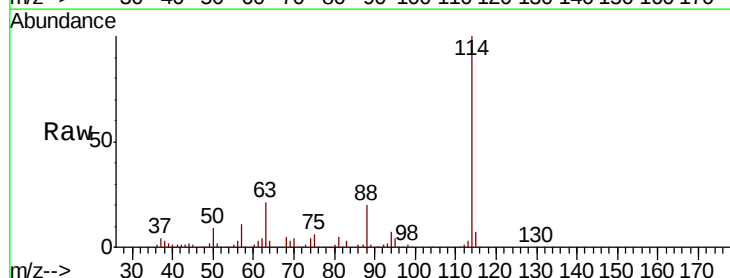
Tgt Ion: 114 Resp: 314256

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 19.7 0.0 39.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

100000

50000

0

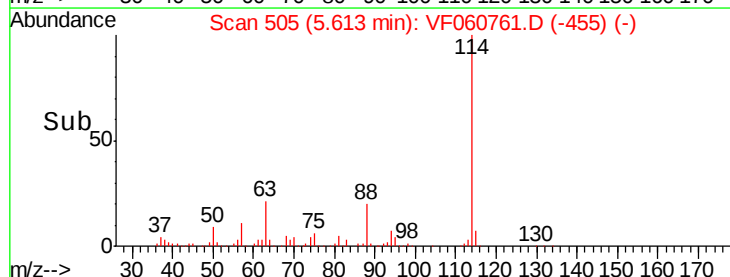
Time-->

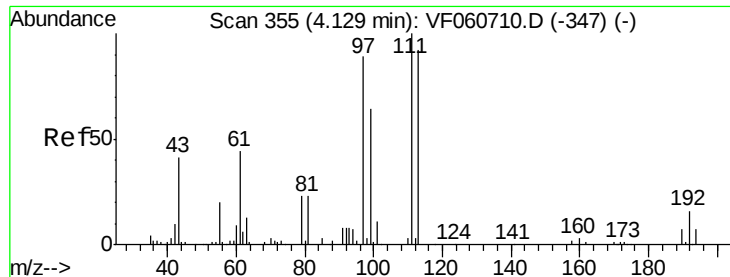
5.50

5.60

5.70

5.80

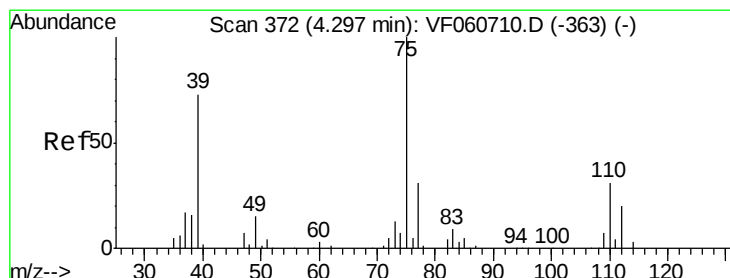
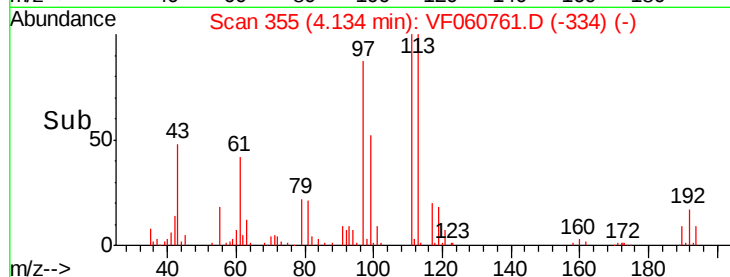
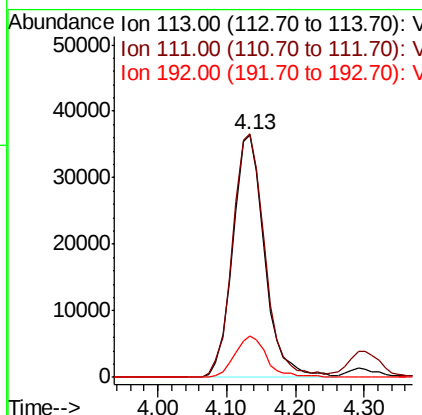
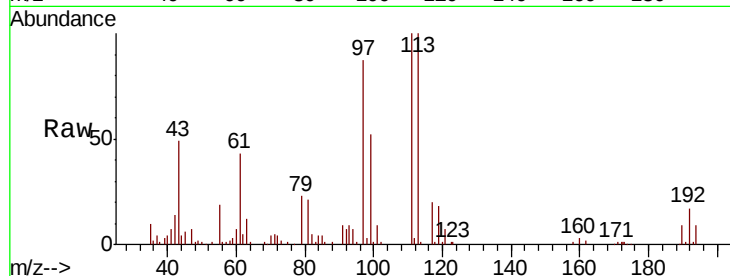




#35
 Dibromofluoromethane
 Concen: 49.244 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

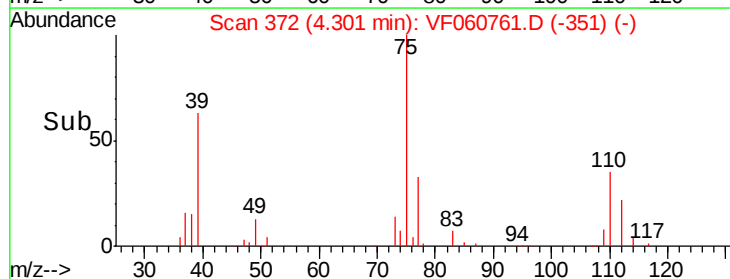
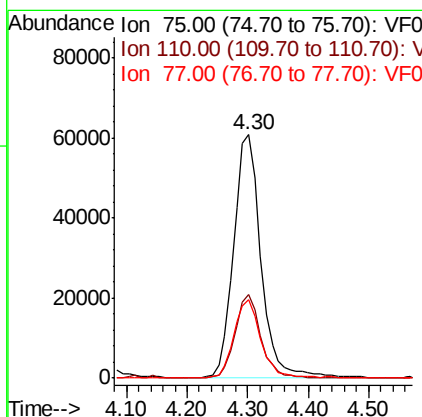
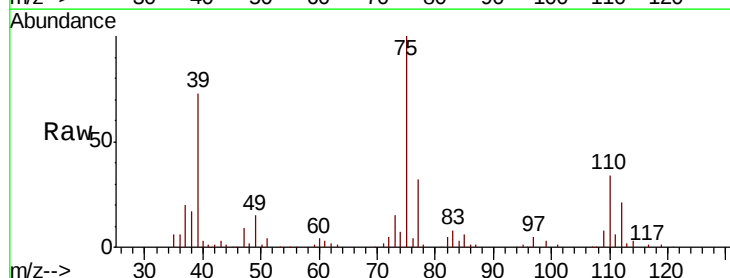
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

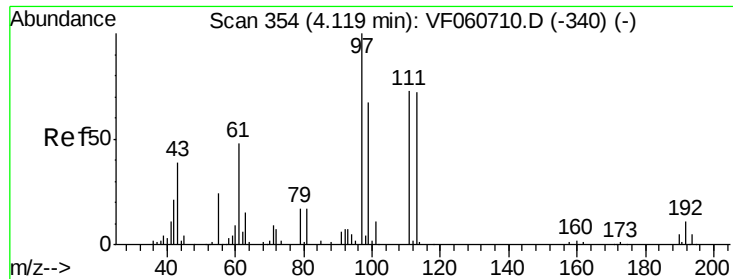
Tot Ion:113 Resp: 116325
 Ion Ratio Lower Upper
 113 100
 111 100.4 87.1 130.7
 192 16.9 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 51.974 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

Tgt Ion: 75 Resp: 189425
 Ion Ratio Lower Upper
 75 100
 110 34.3 15.6 46.8
 77 32.3 25.0 37.6

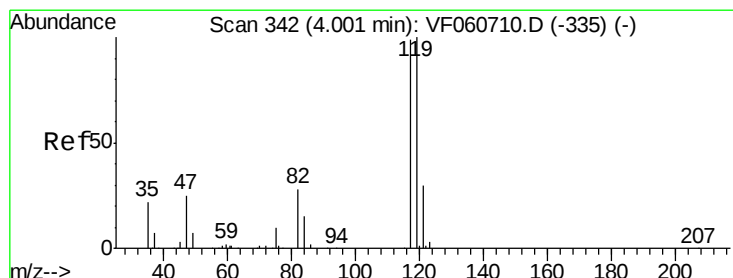
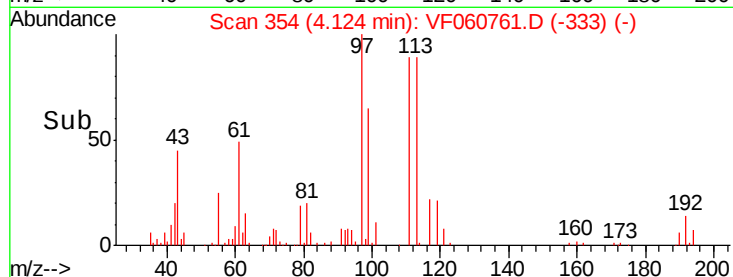
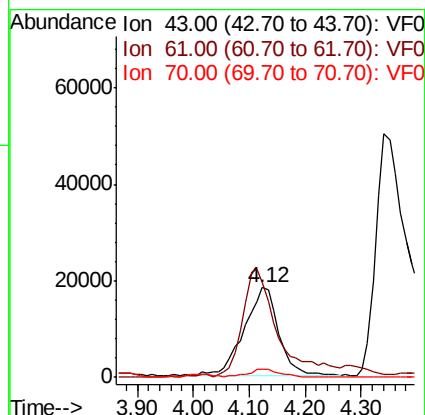
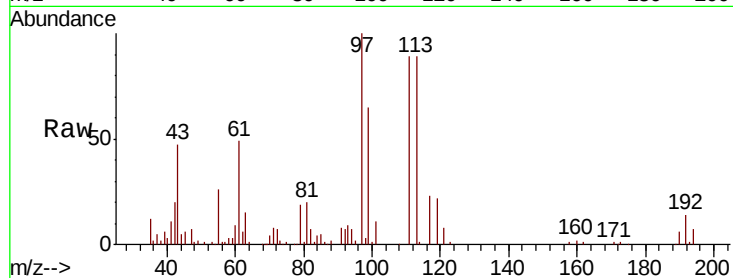




#37
Ethyl Acetate
Concen: 56.175 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

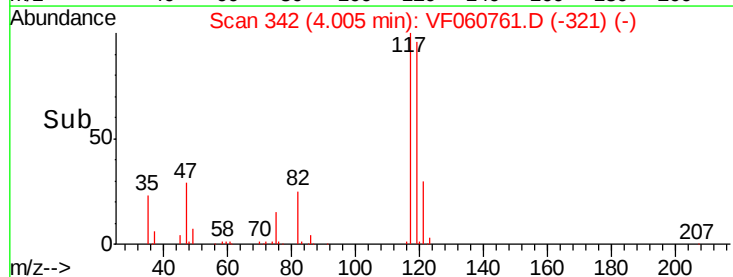
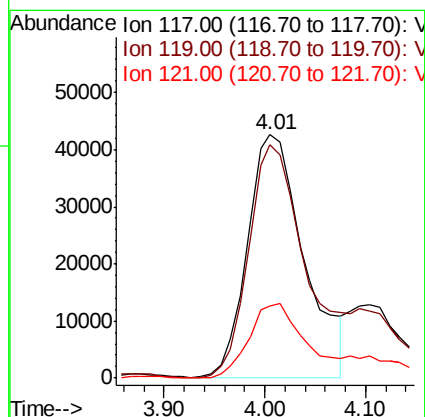
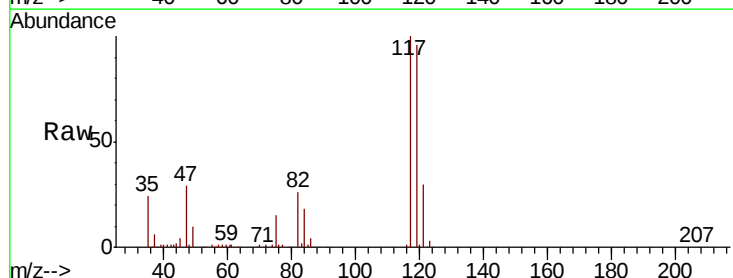
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

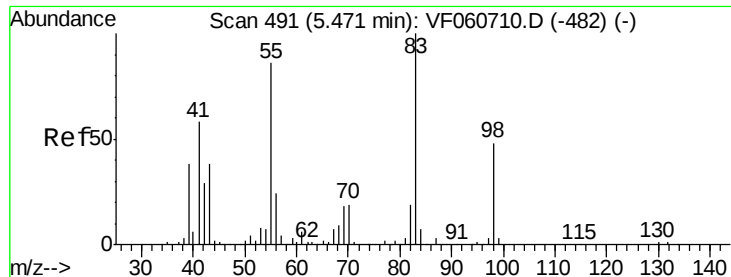
Tot Ion: 43 Resp: 76117
Ion Ratio Lower Upper
43 100
61 105.8 98.5 147.7
70 9.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 47.059 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion: 117 Resp: 166421
Ion Ratio Lower Upper
117 100
119 95.9 80.7 121.1
121 29.6 24.3 36.5

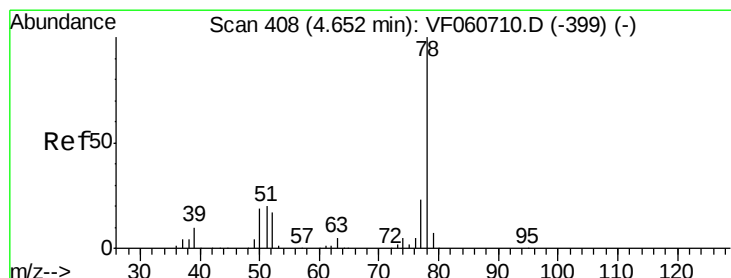
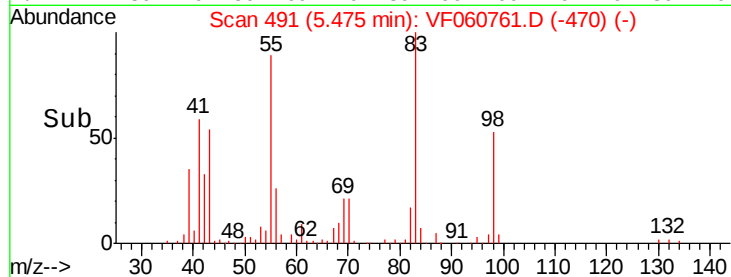
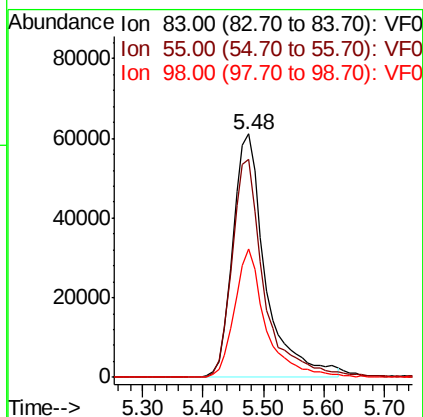
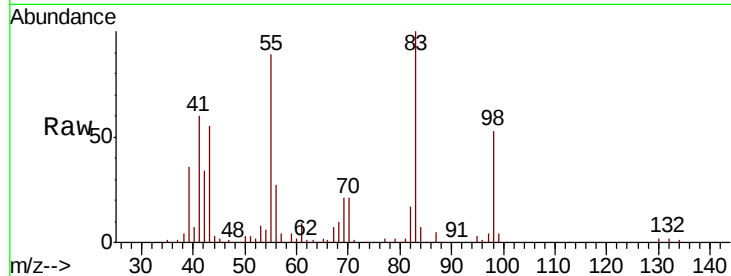




#39
Methvlcvclohexane
Concen: 54.490 ug/l
RT: 5.48 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

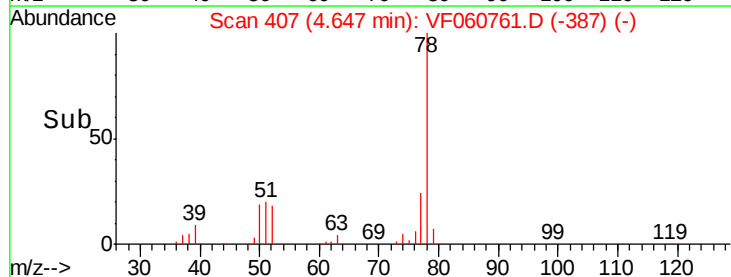
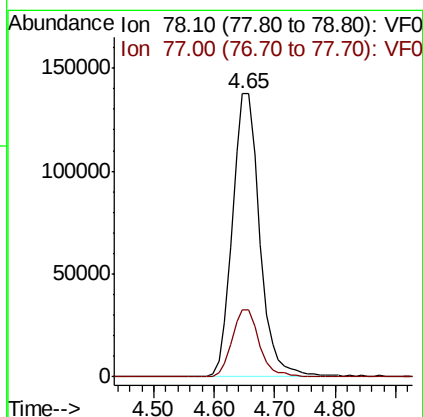
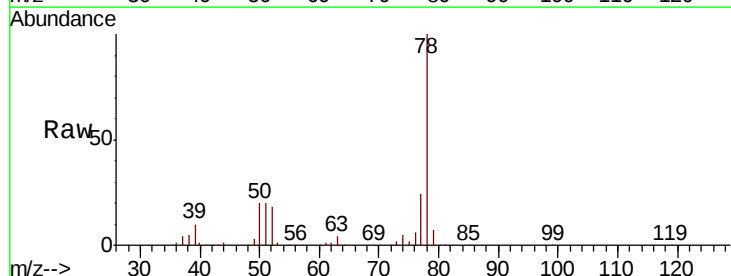
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

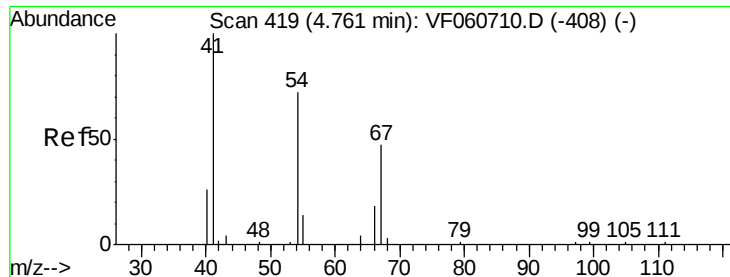
Tot Ion: 83 Resp: 230401
Ion Ratio Lower Upper
83 100
55 89.3 69.0 103.4
98 52.5 38.5 57.7



#40
Benzene
Concen: 53.294 ug/l
RT: 4.65 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion: 78 Resp: 432975
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0





#41

Methacrylonitrile

Concen: 57.295 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 40935

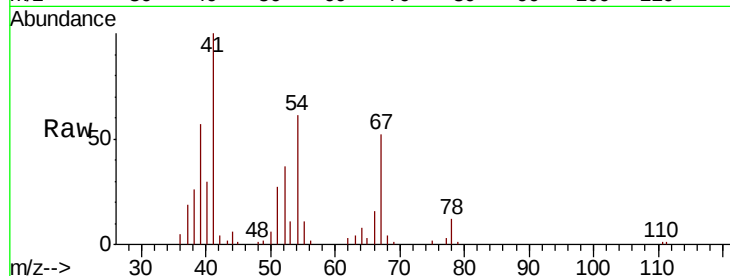
Ion Ratio Lower Upper

41 100

39 56.8 47.1 70.7

67 51.6 37.1 55.7

52 37.1 39.3 58.9#



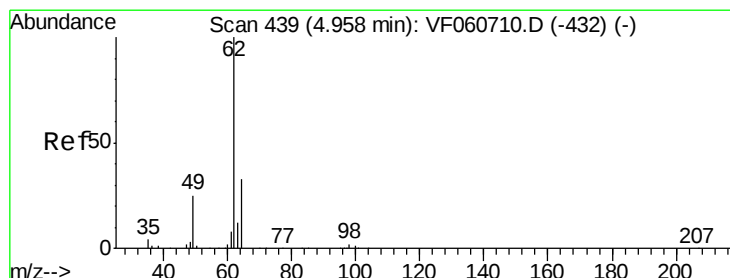
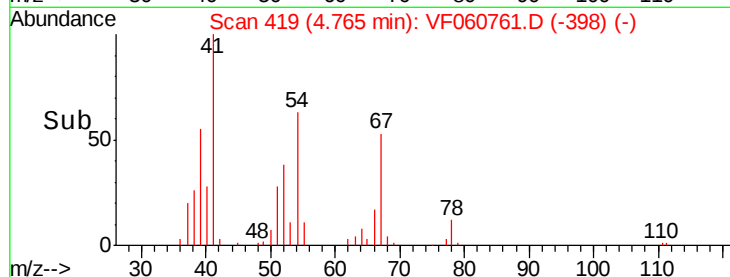
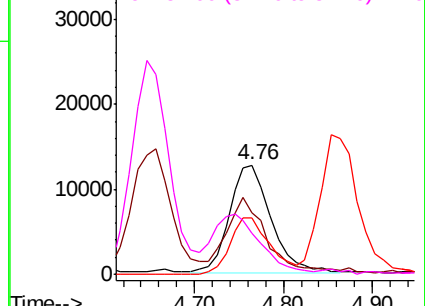
Abundance

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: 52.512 ug/l

RT: 4.96 min Scan# 439

Delta R.T. 0.00 min

Lab File: VF060761.D

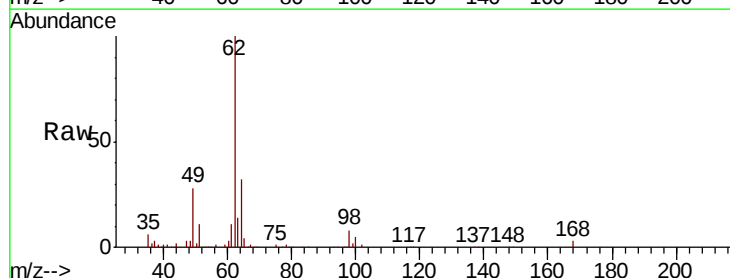
Acq: 16 Nov 2018 12:22

Tgt Ion: 62 Resp: 147430

Ion Ratio Lower Upper

62 100

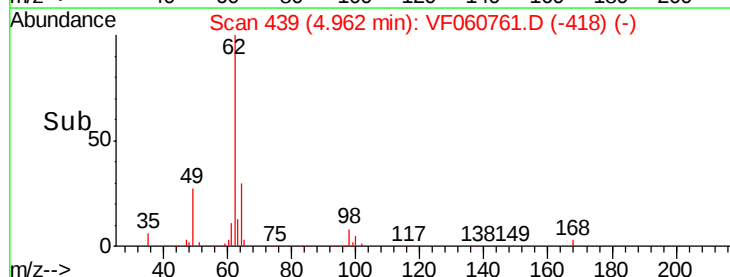
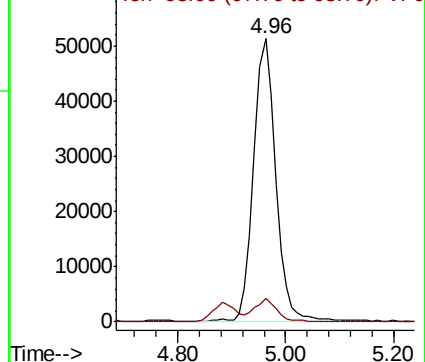
98 8.2 0.0 16.6

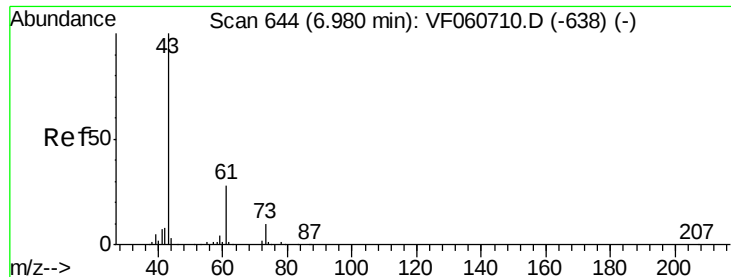


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 50.666 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

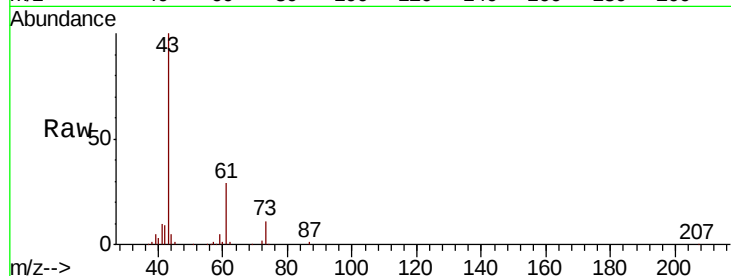
Tot Ion: 43 Resp: 91023

Ion Ratio Lower Upper

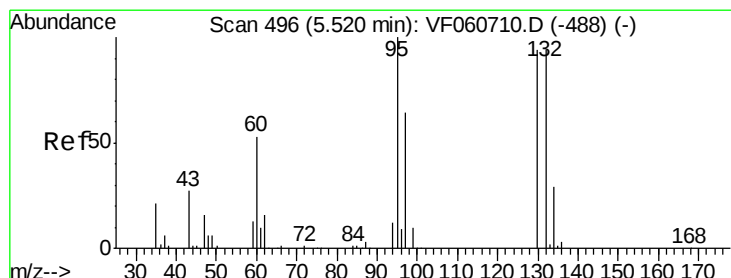
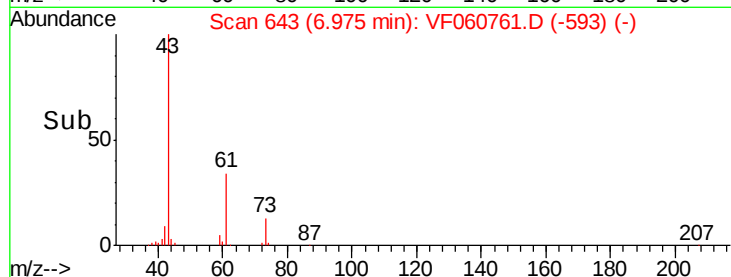
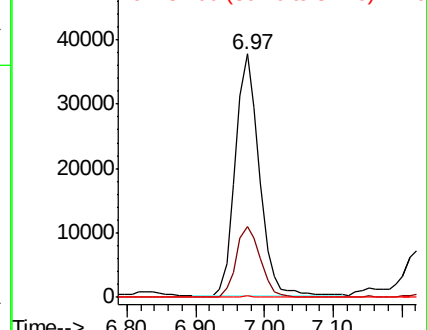
43 100

61 29.3 22.2 33.4

87 0.7 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: 51.475 ug/l

RT: 5.52 min Scan# 496

Delta R.T. 0.00 min

Lab File: VF060761.D

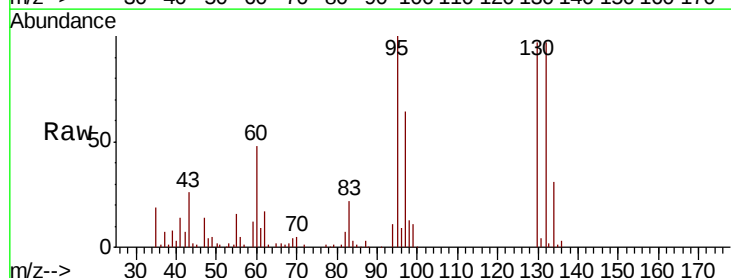
Acq: 16 Nov 2018 12:22

Tgt Ion:130 Resp: 131944

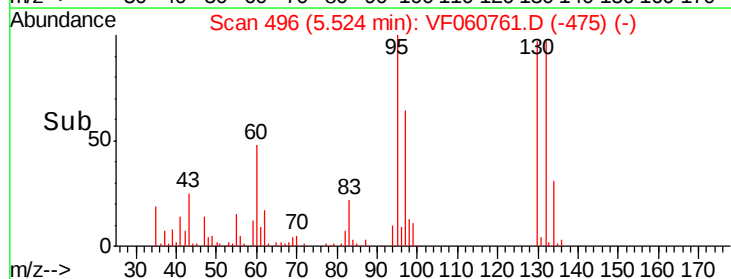
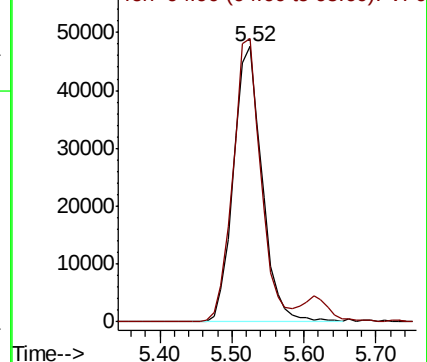
Ion Ratio Lower Upper

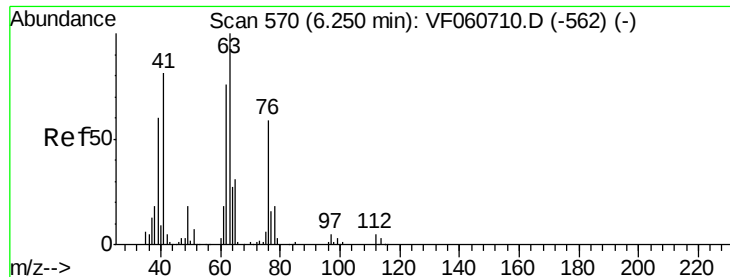
130 100

95 102.7 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: 50.839 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

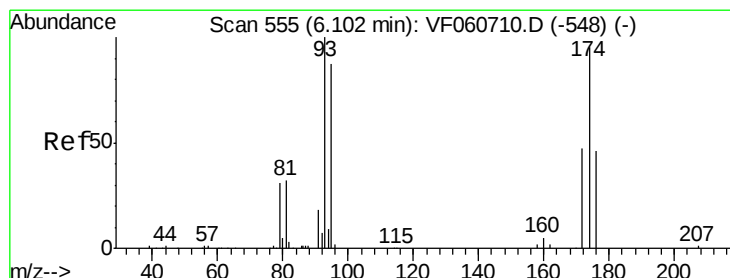
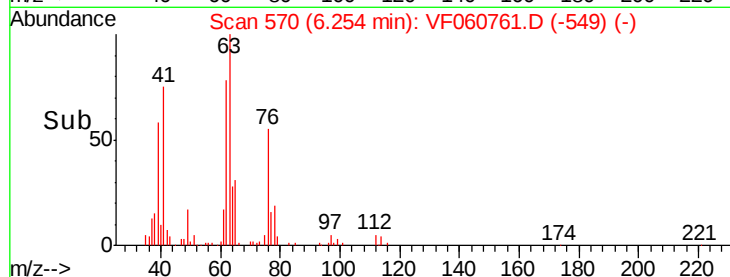
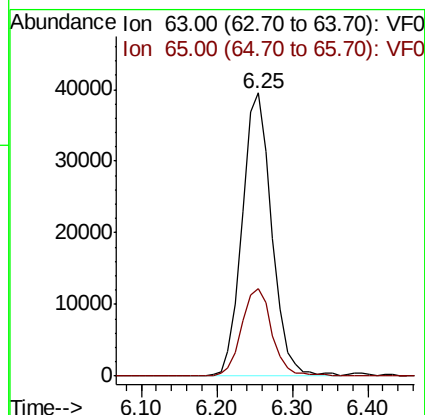
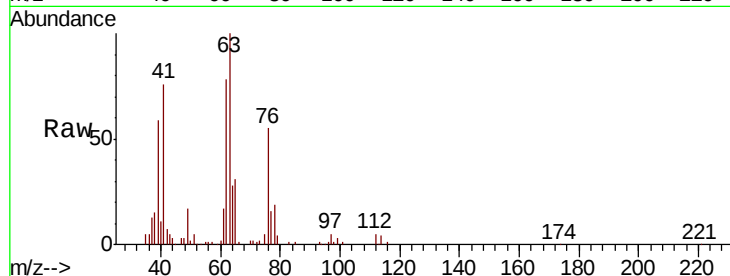
VSTDCCC050

Tot Ion: 63 Resp: 107478

Ion Ratio Lower Upper

63 100

65 31.0 24.6 36.8



#46

Dibromomethane

Concen: 53.388 ug/l

RT: 6.11 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

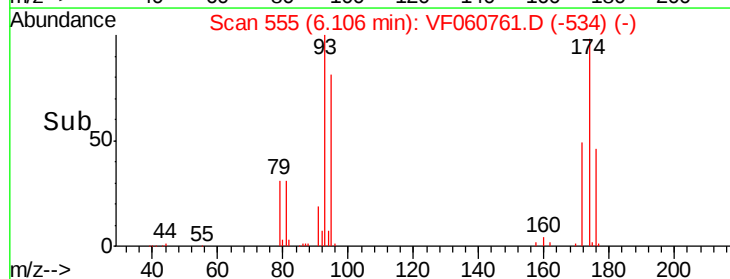
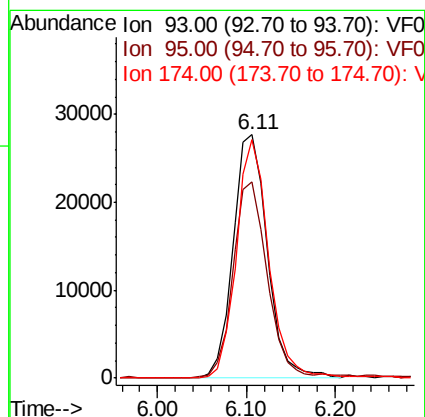
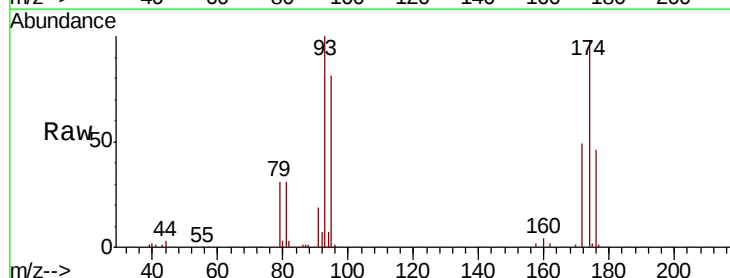
Tgt Ion: 93 Resp: 74505

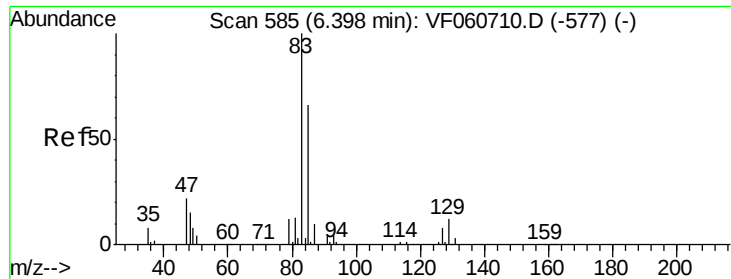
Ion Ratio Lower Upper

93 100

95 80.7 69.5 104.3

174 100.0 76.2 114.2





#47

Bromodichloromethane

Concen: 49.798 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

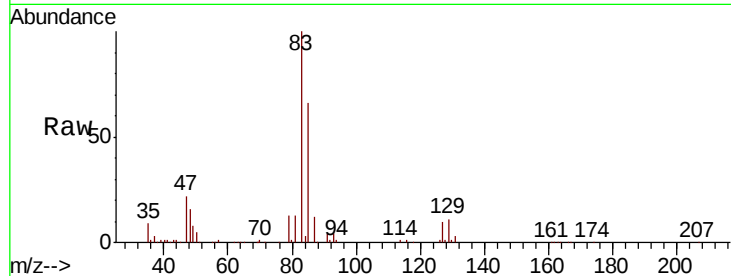
Tot Ion: 83 Resp: 177464

Ion Ratio Lower Upper

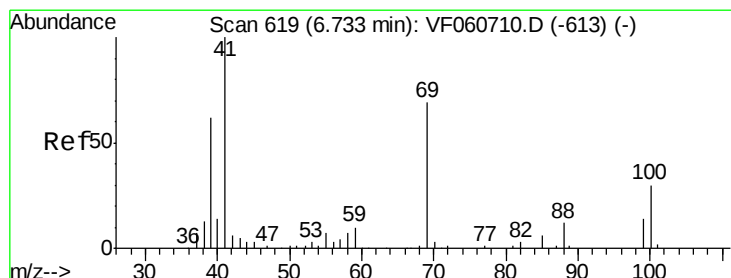
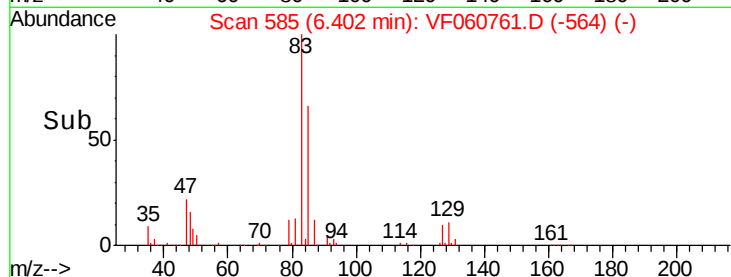
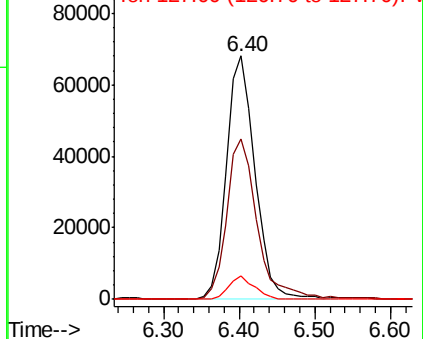
83 100

85 65.8 52.4 78.6

127 9.6 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: 51.469 ug/l

RT: 6.73 min Scan# 618

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

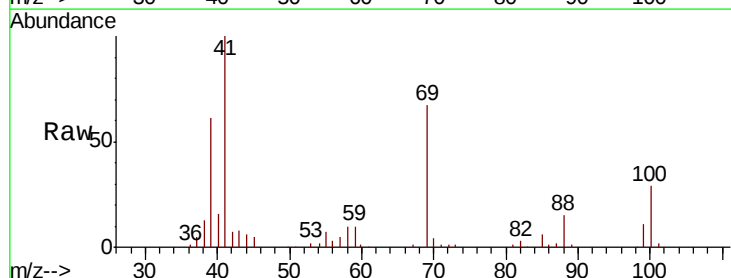
Tgt Ion: 41 Resp: 61196

Ion Ratio Lower Upper

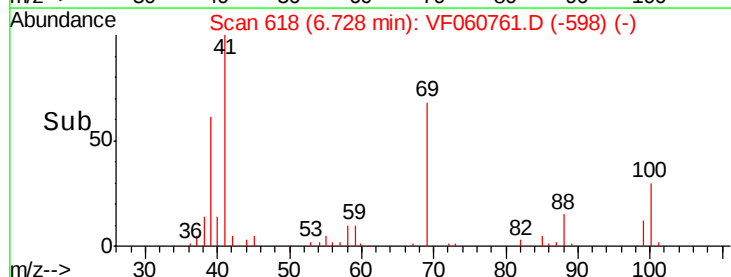
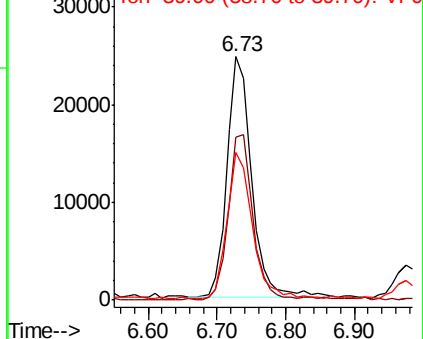
41 100

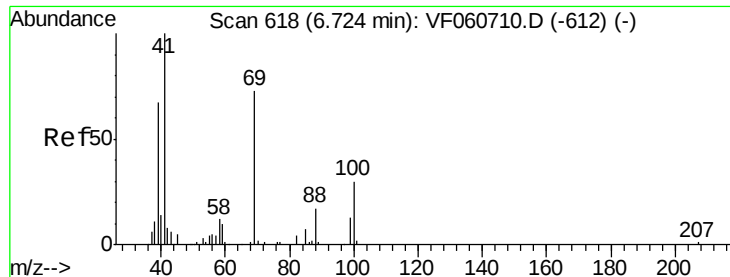
69 66.7 54.9 82.3

39 60.6 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

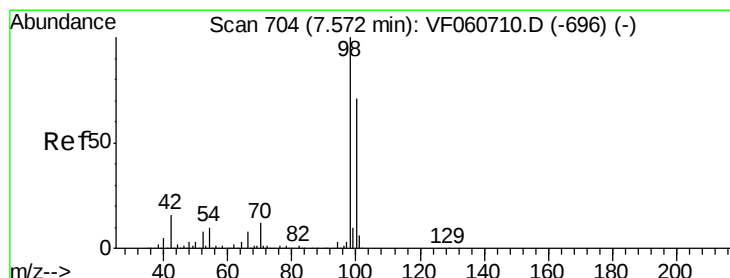
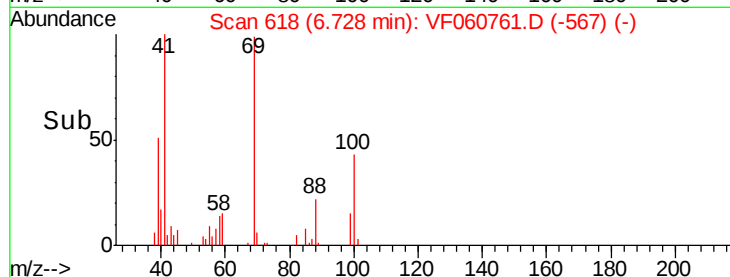
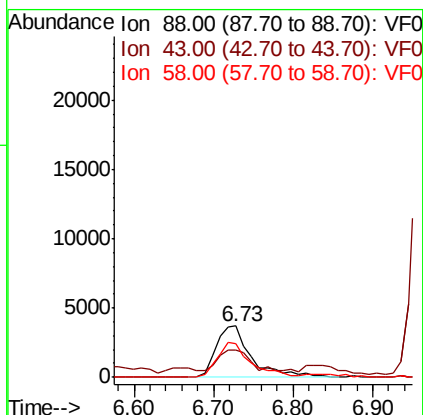
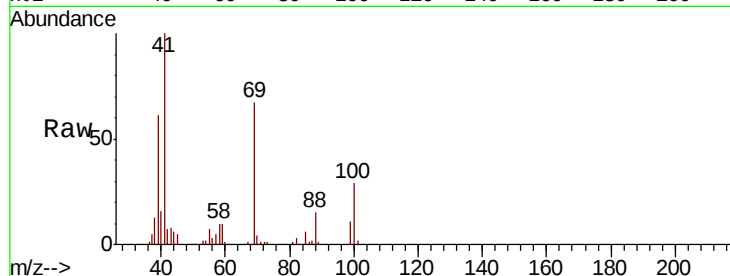




#49
1,4-Dioxane
Concen: 1034.814 ug/l
RT: 6.73 min Scan# 618
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

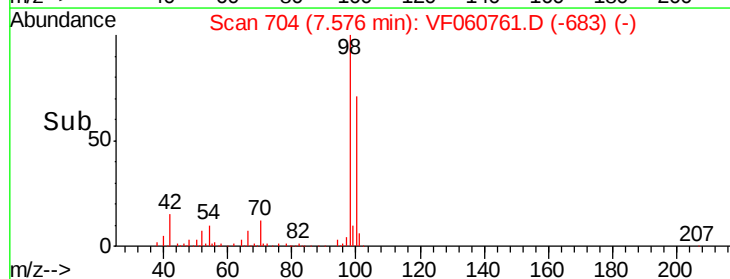
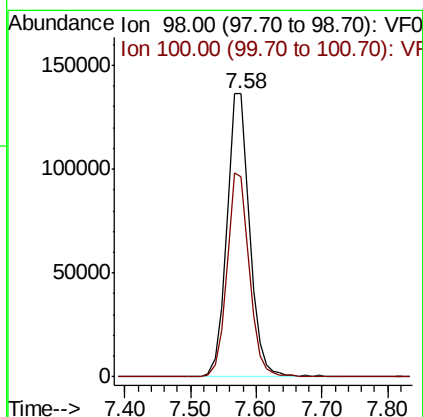
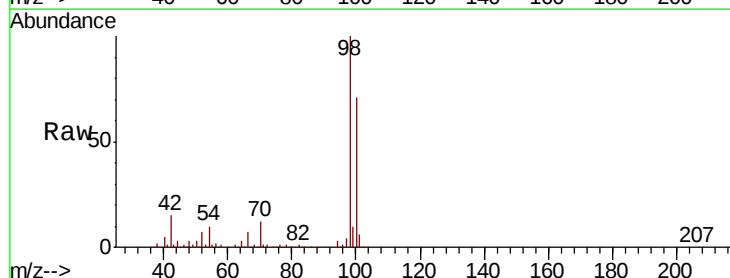
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

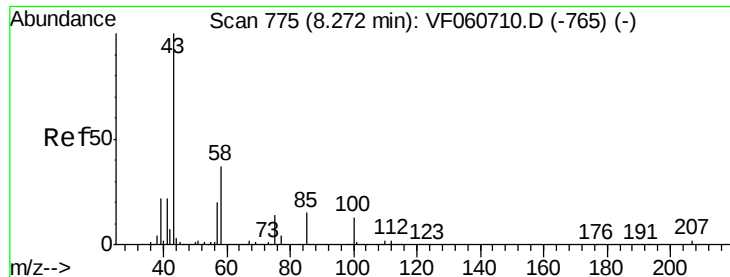
Tot Ion: 88 Resp: 11507
Ion Ratio Lower Upper
88 100
43 54.1 44.6 66.8
58 65.5 54.5 81.7



#50
Toluene-d8
Concen: 55.241 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion: 98 Resp: 332522
Ion Ratio Lower Upper
98 100
100 70.5 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 268.728 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

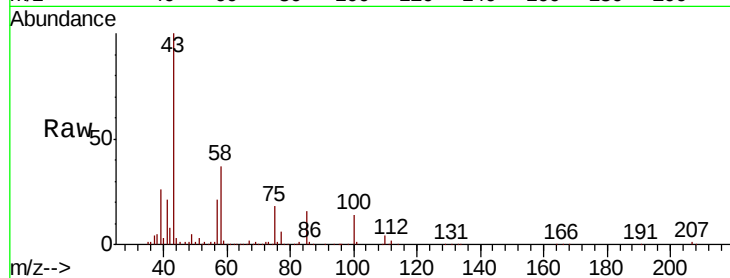
VSTDCCC050

Tot Ion: 43 Resp: 349172

Ion Ratio Lower Upper

43 100

58 37.3 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

150000

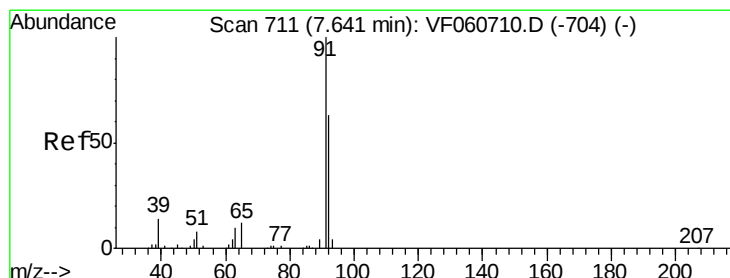
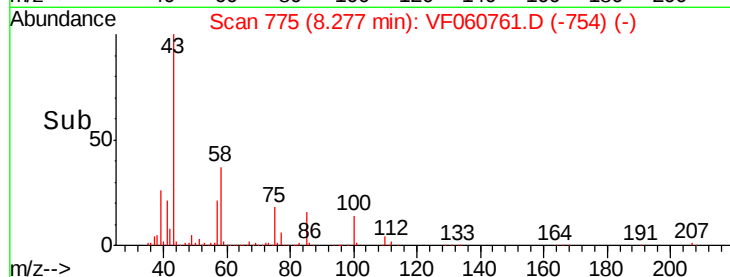
100000

50000

0

Time-->

8.10 8.20 8.30 8.40



#52

Toluene

Concen: 50.375 ug/l

RT: 7.65 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060761.D

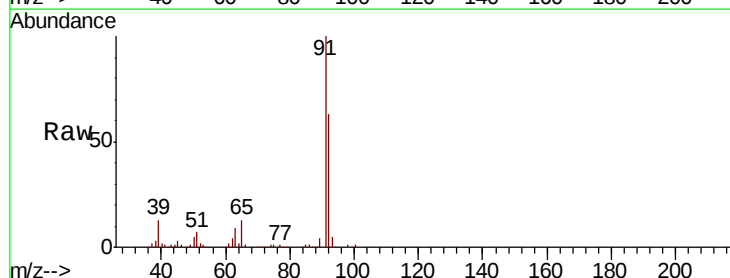
Acq: 16 Nov 2018 12:22

Tgt Ion: 92 Resp: 274258

Ion Ratio Lower Upper

92 100

91 159.7 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.65

200000

150000

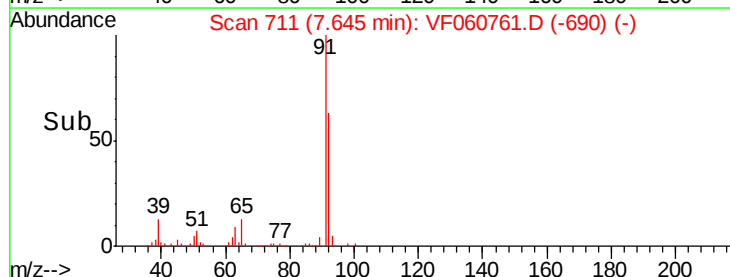
100000

50000

0

Time-->

7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 50.299 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

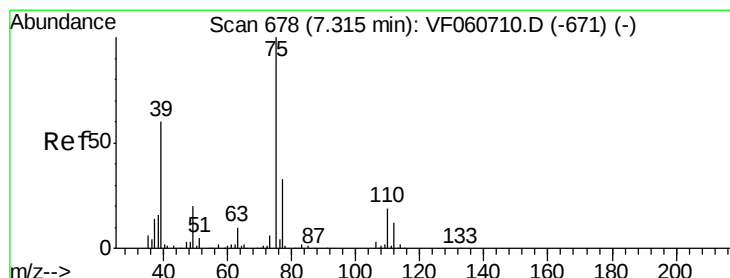
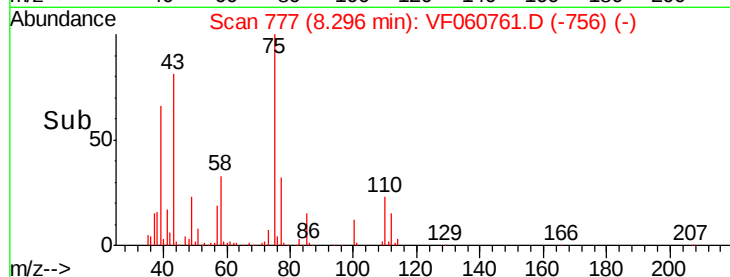
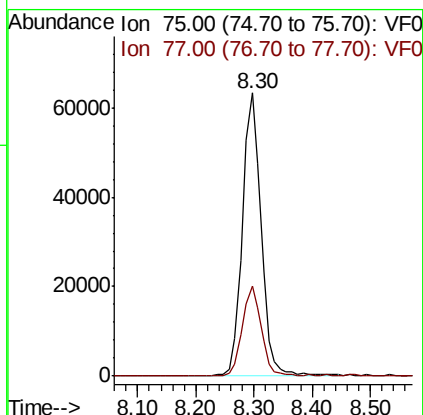
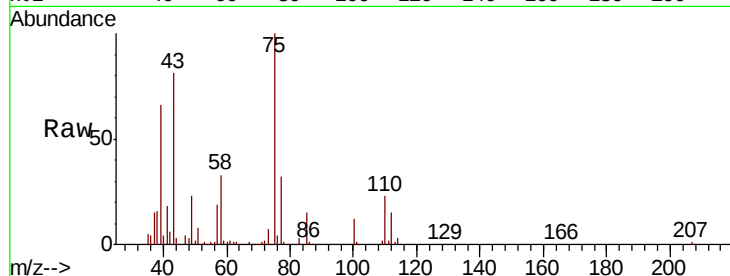
VSTDCCC050

Tot Ion: 75 Resp: 143567

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 49.723 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

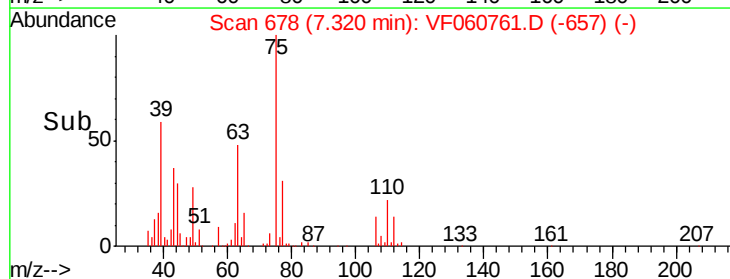
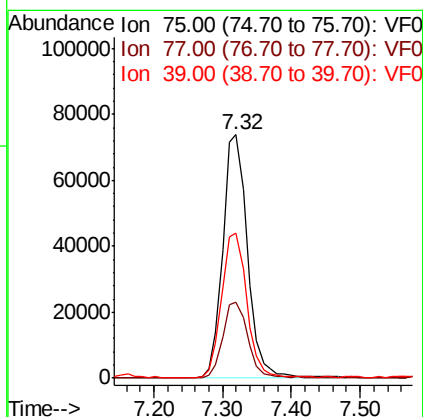
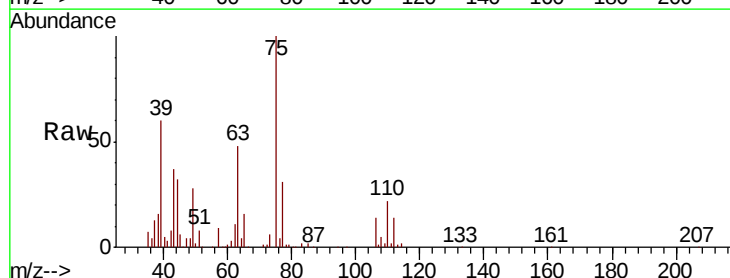
Tgt Ion: 75 Resp: 184350

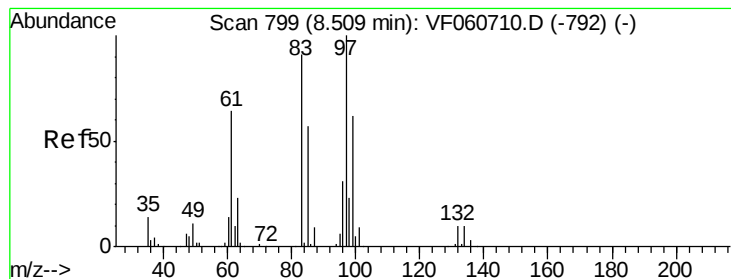
Ion Ratio Lower Upper

75 100

77 31.2 26.5 39.7

39 59.6 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 50.843 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 79089

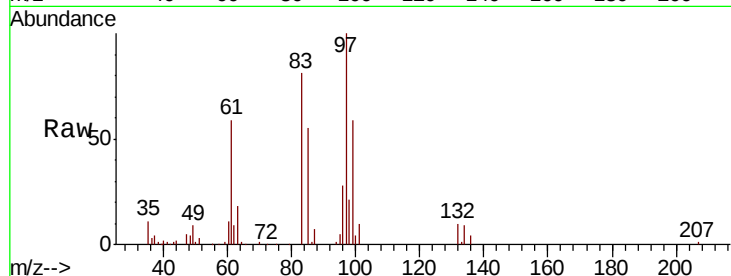
Ion Ratio Lower Upper

97 100

83 80.7 72.8 109.2

85 54.8 45.8 68.6

99 58.7 49.4 74.0

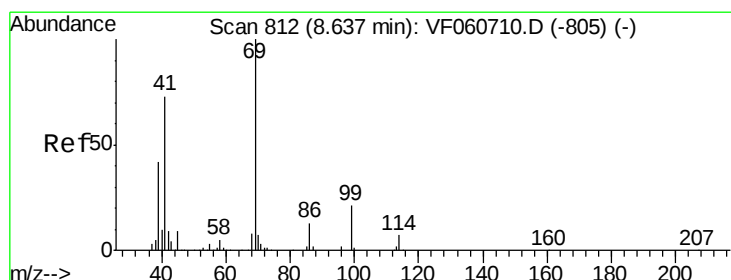
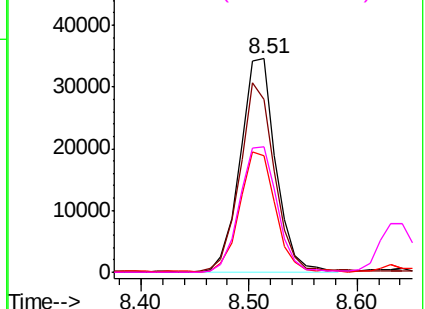
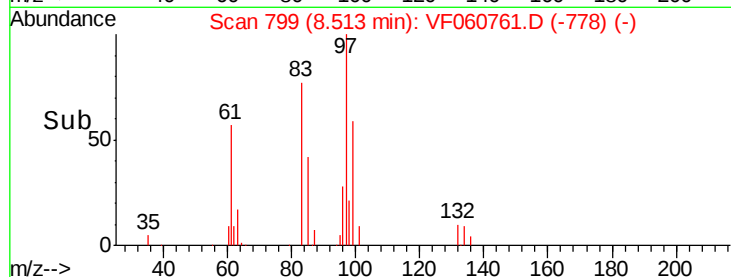


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.346 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

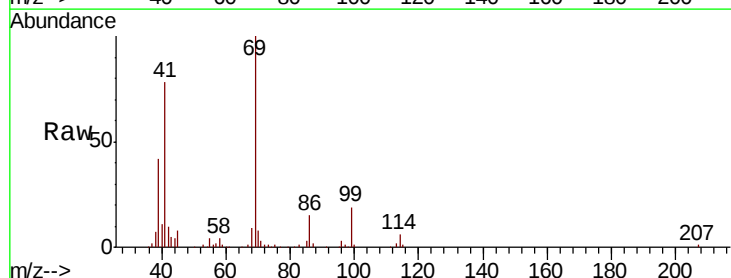
Tgt Ion: 69 Resp: 88943

Ion Ratio Lower Upper

69 100

41 78.2 59.0 88.6

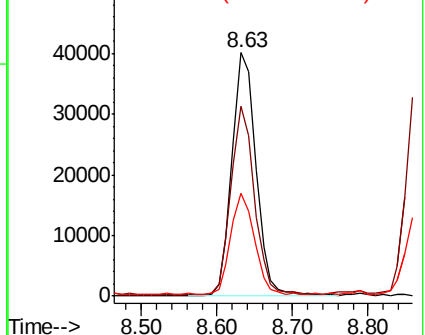
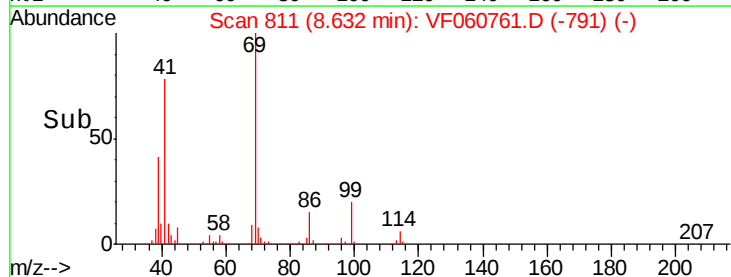
39 42.0 34.0 51.0

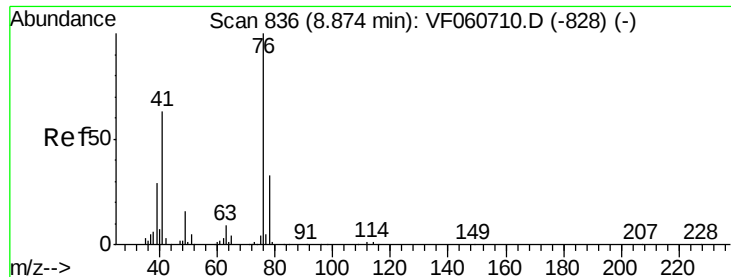


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.851 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

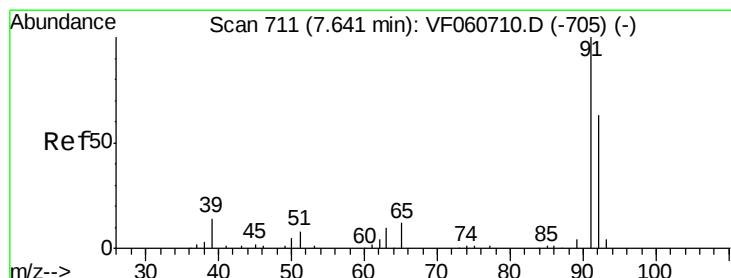
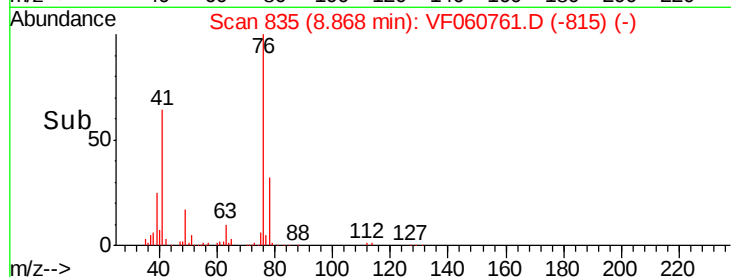
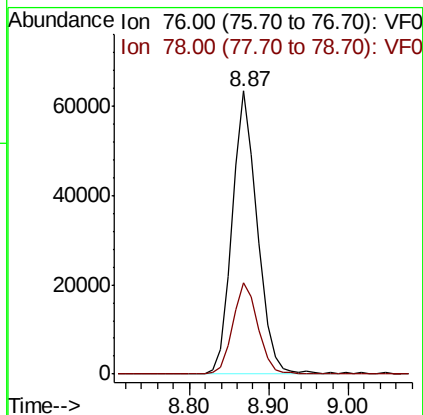
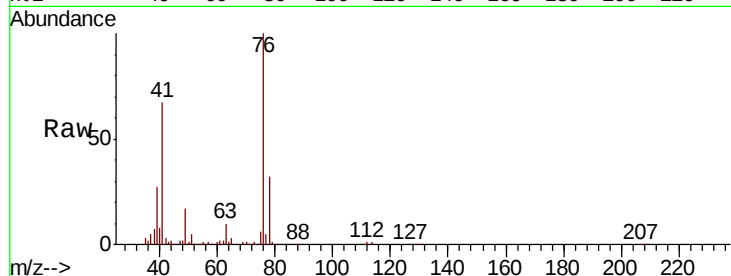
VSTDCCC050

Tot Ion: 76 Resp: 139782

Ion Ratio Lower Upper

76 100

78 32.1 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 255.768 ug/l

RT: 7.65 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060761.D

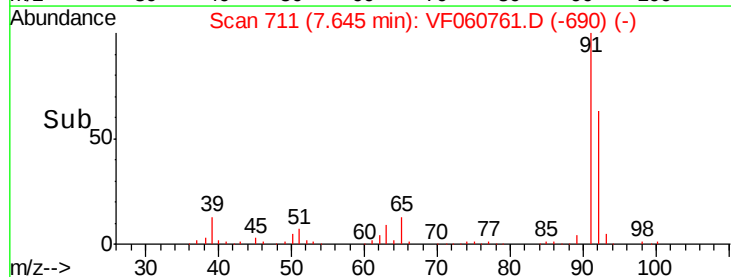
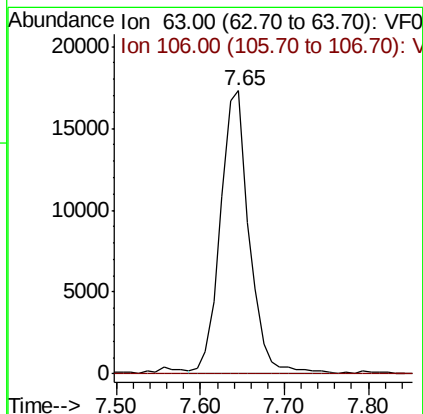
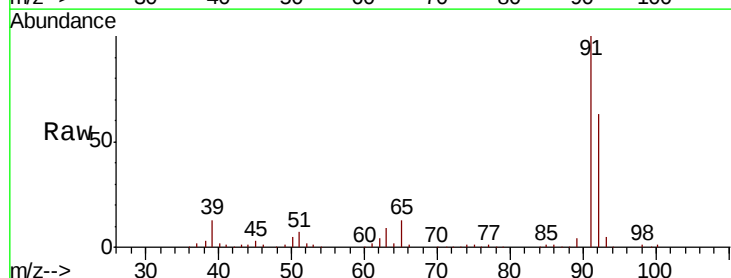
Acq: 16 Nov 2018 12:22

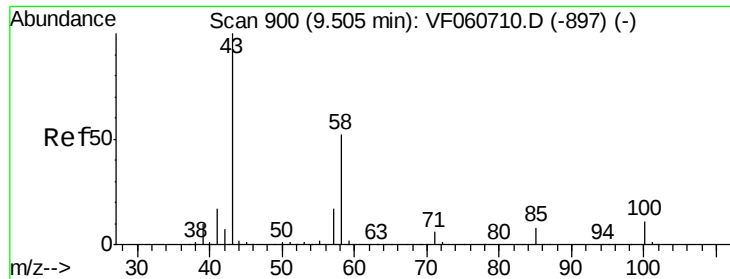
Tgt Ion: 63 Resp: 41276

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

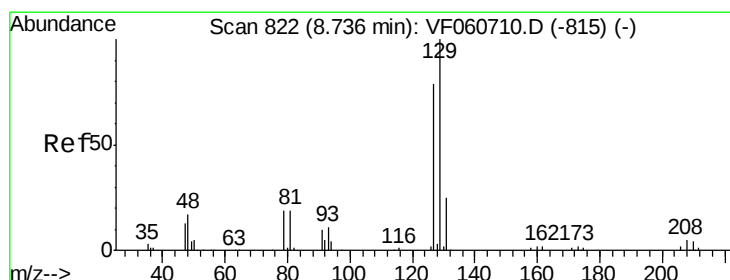
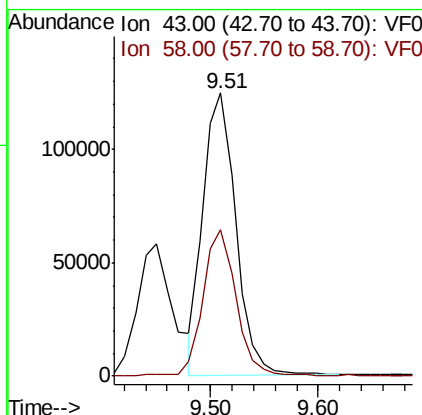
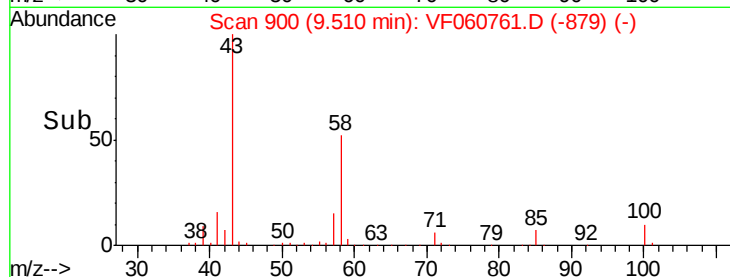
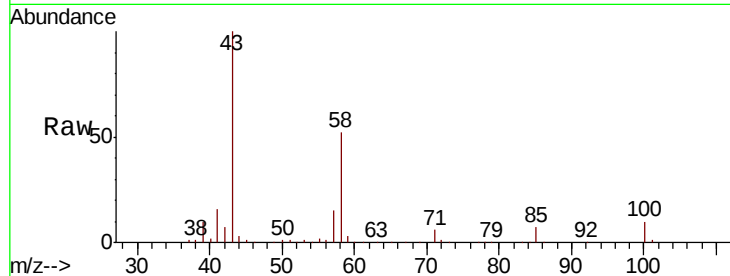




#59
2-Hexanone
Concen: 286.003 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

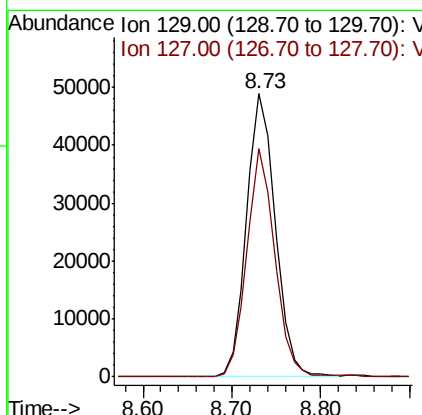
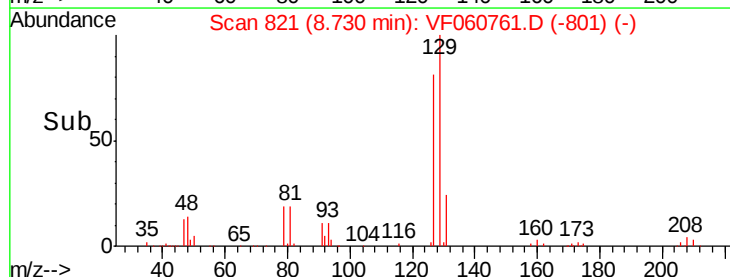
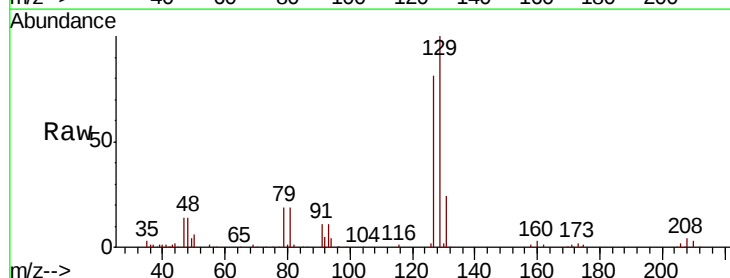
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

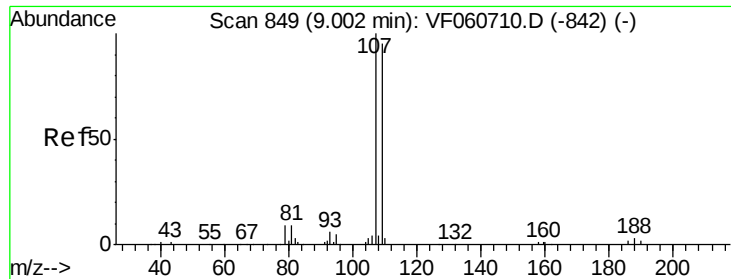
Tot Ion: 43 Resp: 261162
Ion Ratio Lower Upper
43 100
58 51.7 24.9 74.7



#60
Dibromochloromethane
Concen: 49.448 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion: 129 Resp: 109623
Ion Ratio Lower Upper
129 100
127 80.7 39.7 119.1





#61

1,2-Dibromoethane

Concen: 50.438 ug/l

RT: 9.01 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

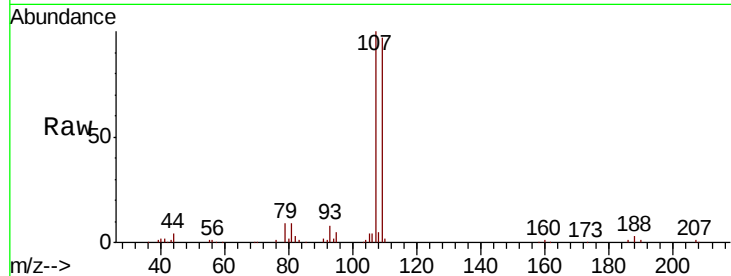
VSTDCCC050

Tot Ion:107 Resp: 82515

Ion Ratio Lower Upper

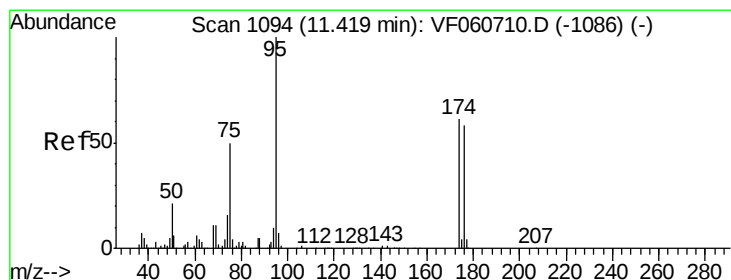
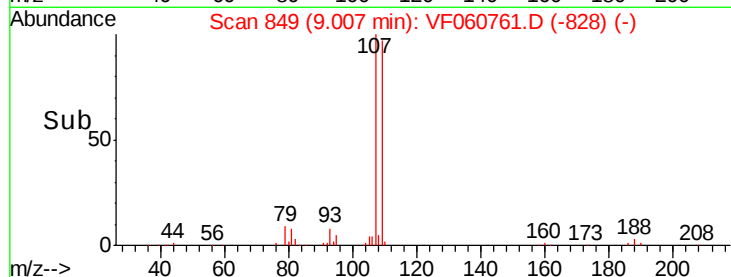
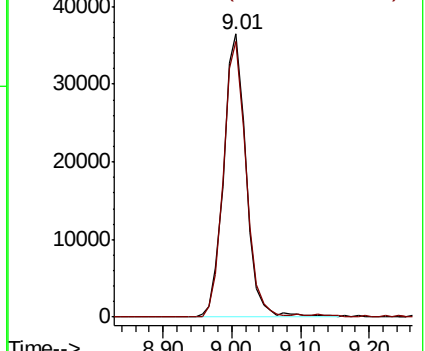
107 100

109 97.4 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: 54.764 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

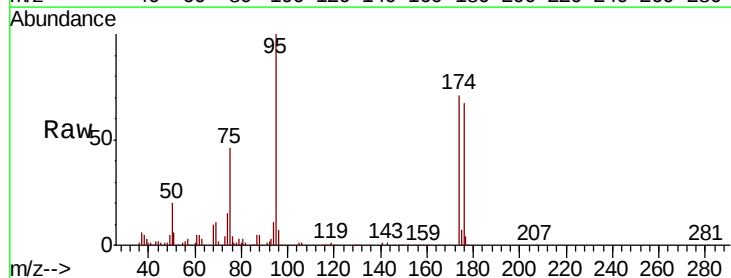
Tgt Ion: 95 Resp: 152011

Ion Ratio Lower Upper

95 100

174 70.9 0.0 121.6

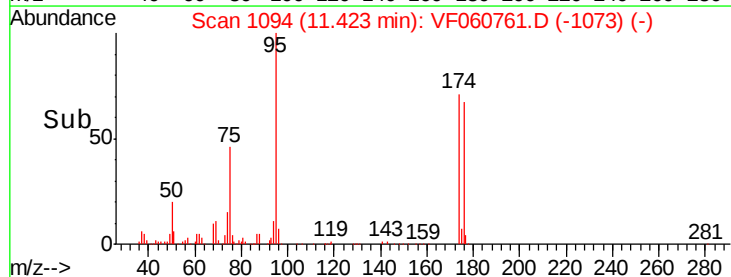
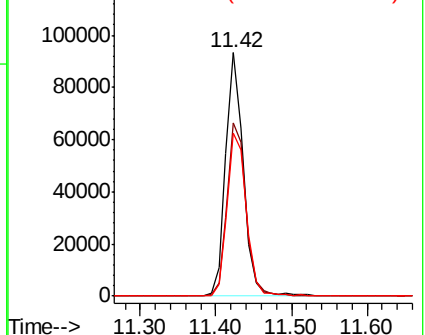
176 66.7 0.0 115.2

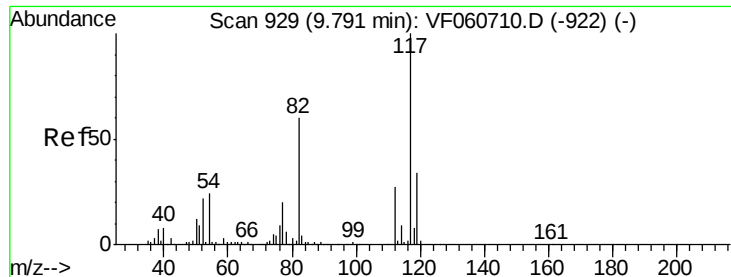


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

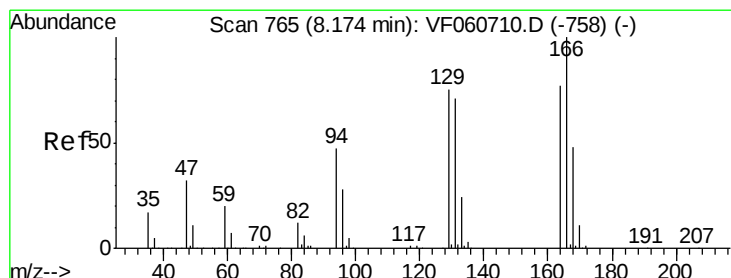
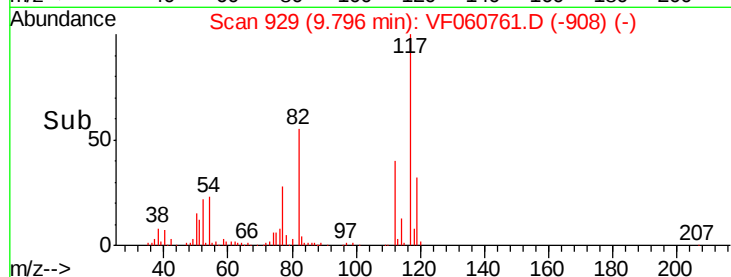
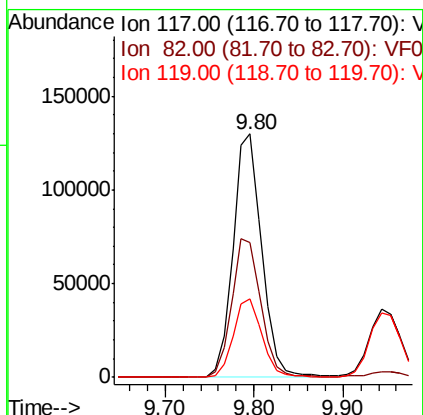
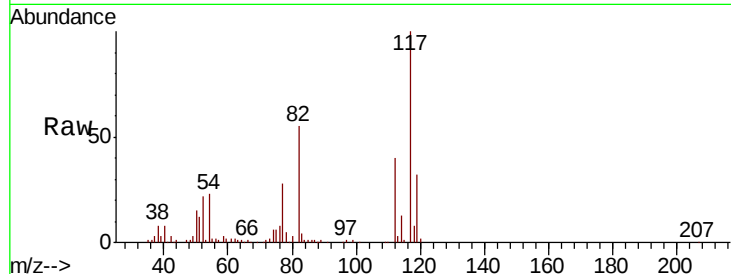




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

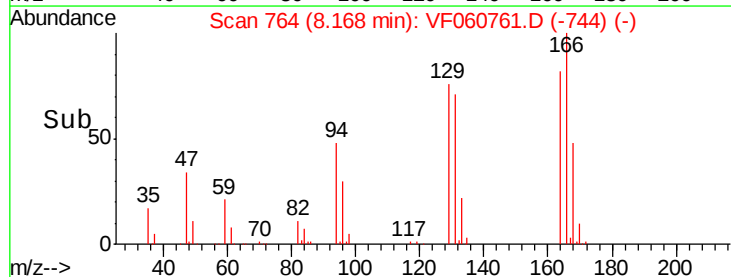
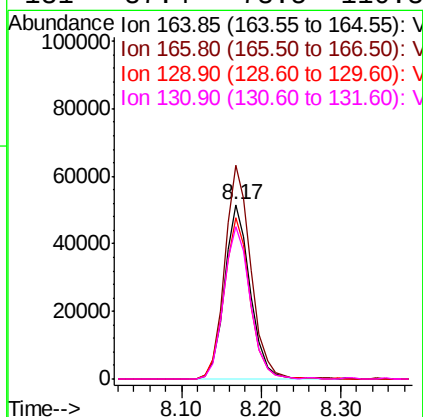
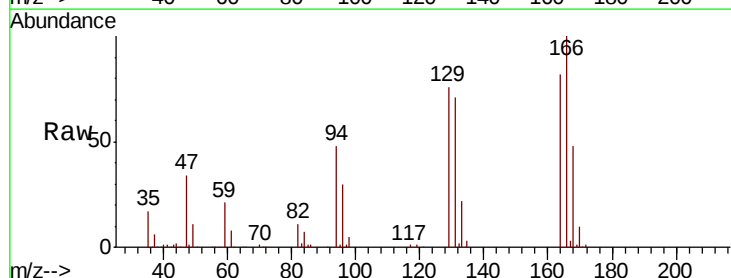
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 291802
Ion Ratio Lower Upper
117 100
82 55.2 47.9 71.9
119 32.4 26.8 40.2



#64
Tetrachloroethene
Concen: 50.739 ug/l
RT: 8.17 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion:164 Resp: 117245
Ion Ratio Lower Upper
164 100
166 122.5 103.5 155.3
129 92.6 77.4 116.2
131 87.4 73.5 110.3

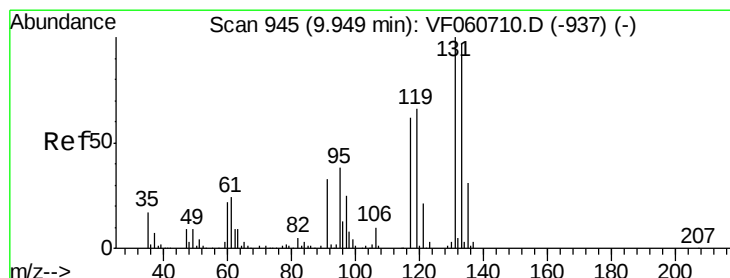
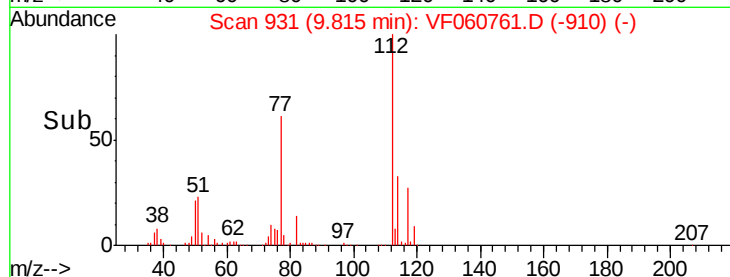
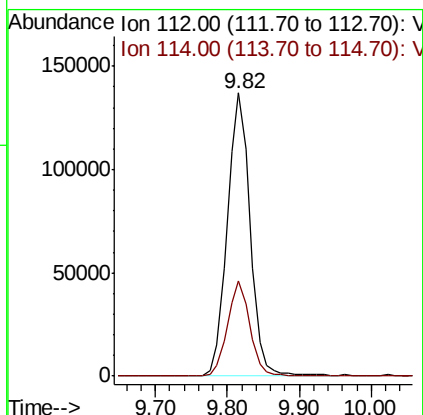
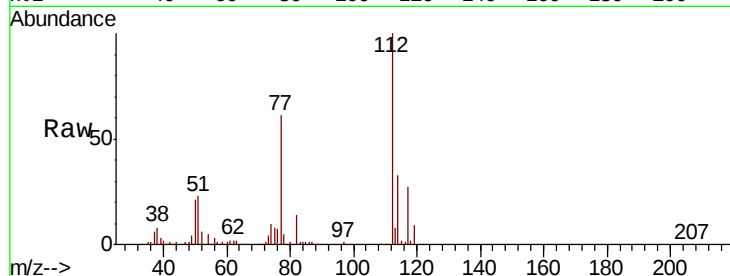




#65
Chlorobenzene
Concen: 51.250 ug/l
RT: 9.82 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

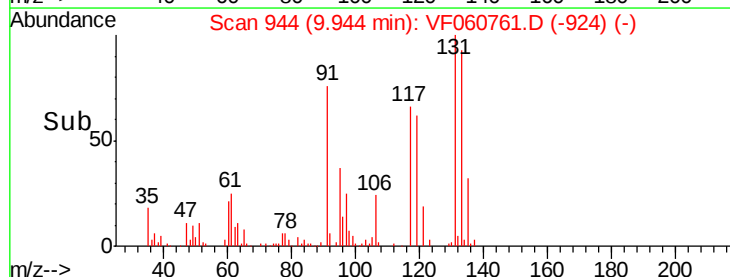
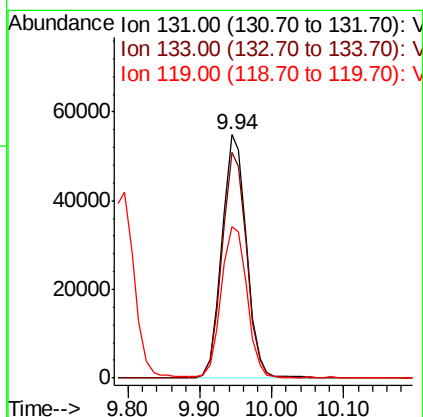
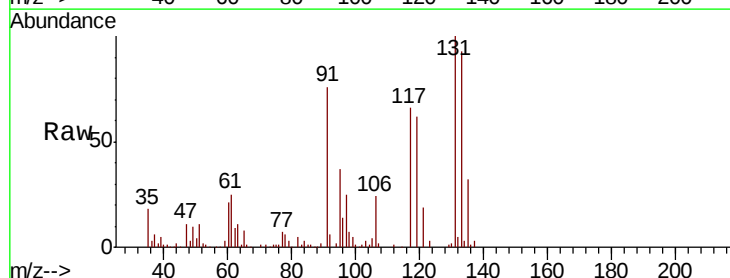
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

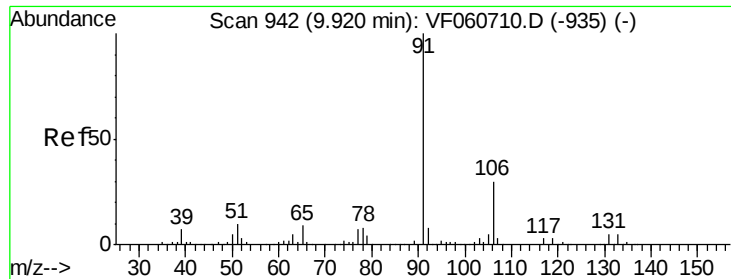
Tot Ion:112 Resp: 301780
Ion Ratio Lower Upper
112 100
114 33.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 50.346 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion:131 Resp: 129305
Ion Ratio Lower Upper
131 100
133 92.8 48.3 144.8
119 62.3 33.2 99.6





#67

Ethyl Benzene

Concen: 49.439 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

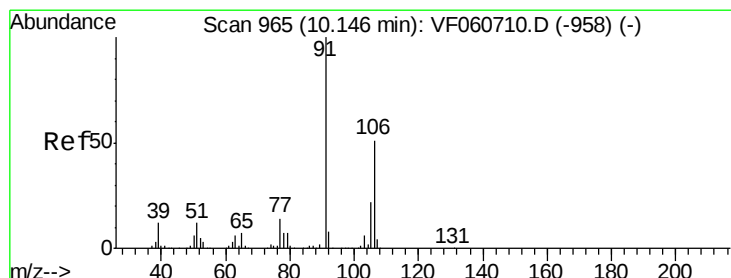
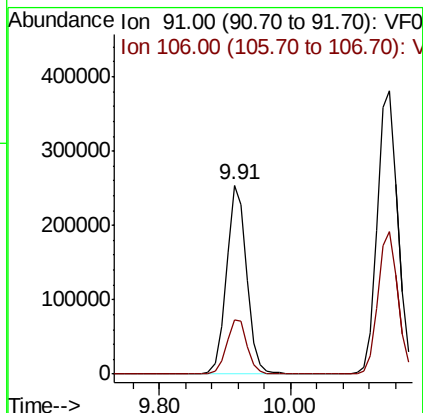
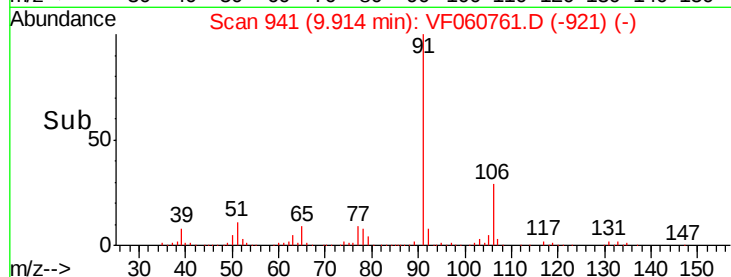
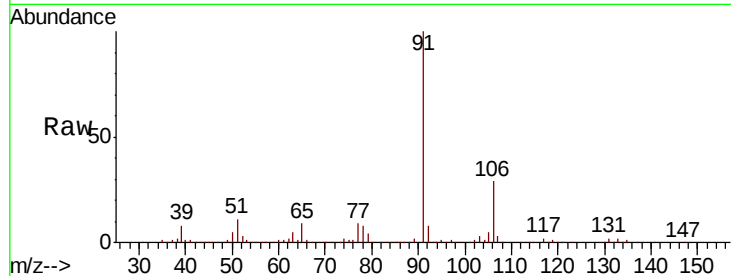
VSTDCCC050

Tot Ion: 91 Resp: 548730

Ion Ratio Lower Upper

91 100

106 28.6 23.9 35.9



#68

m/p-Xylenes

Concen: 104.194 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060761.D

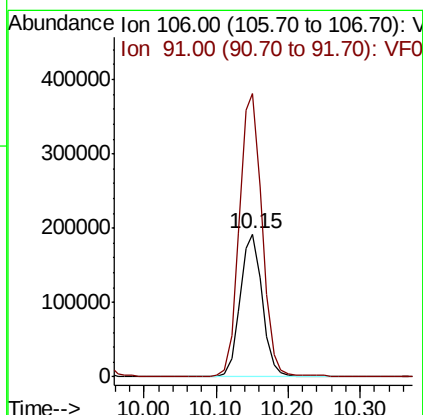
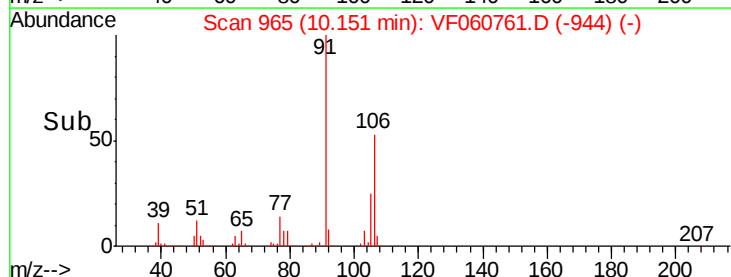
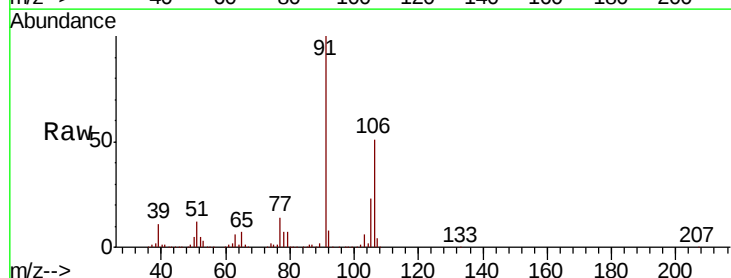
Acq: 16 Nov 2018 12:22

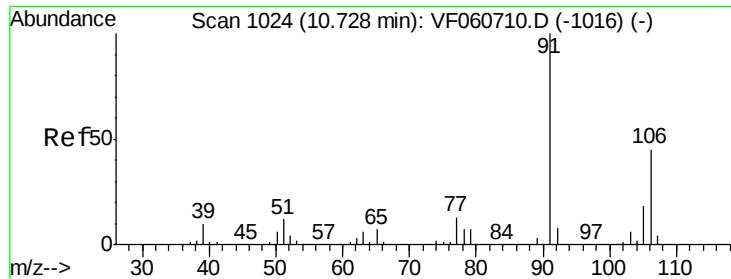
Tgt Ion:106 Resp: 413291

Ion Ratio Lower Upper

106 100

91 197.7 158.2 237.2

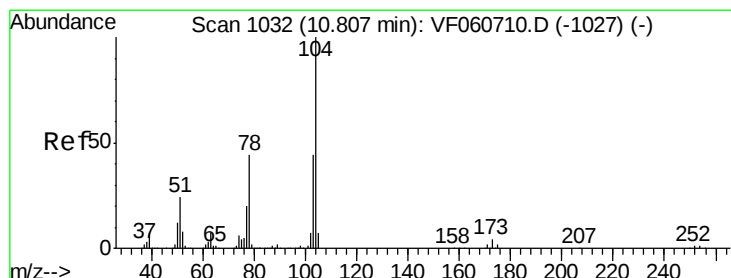
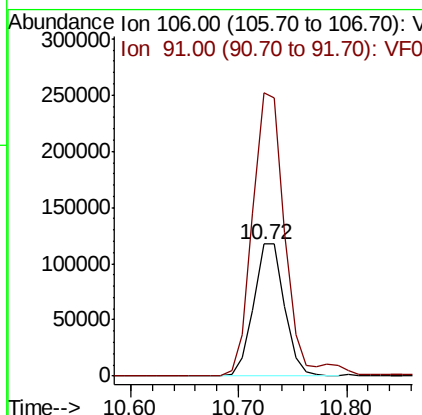
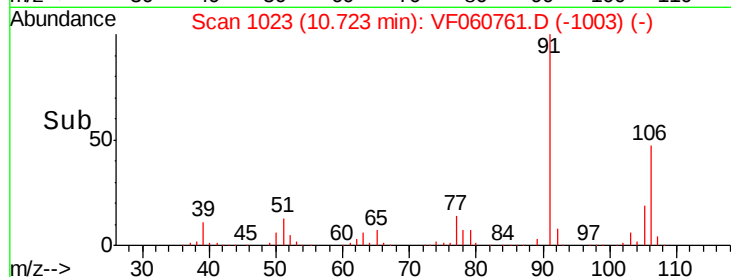
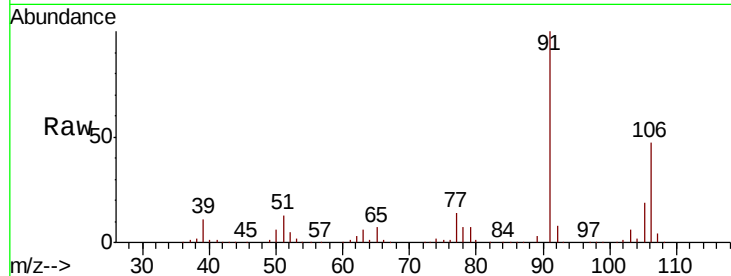




#69
o-Xylene
Concen: 52.748 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

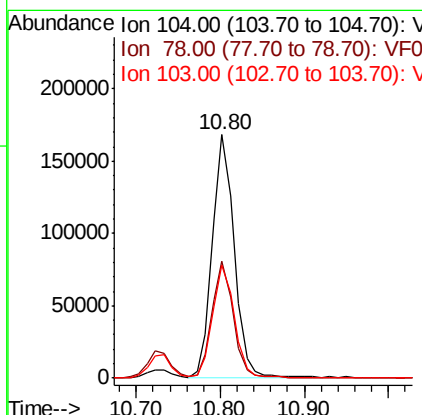
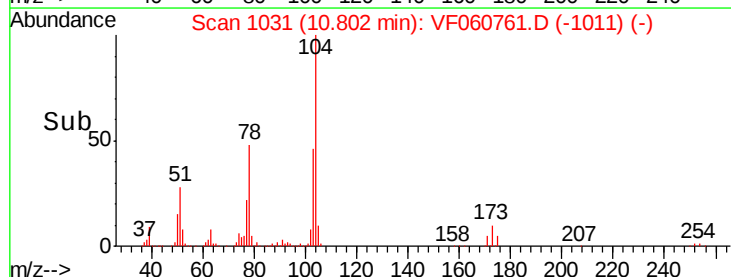
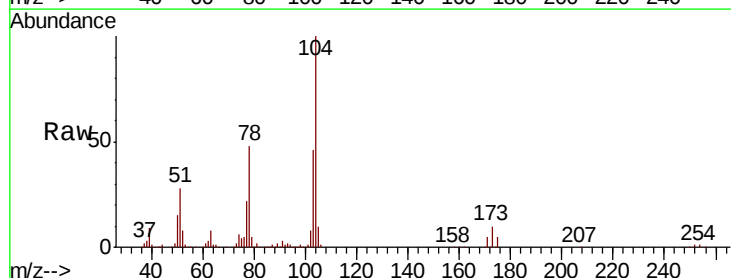
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

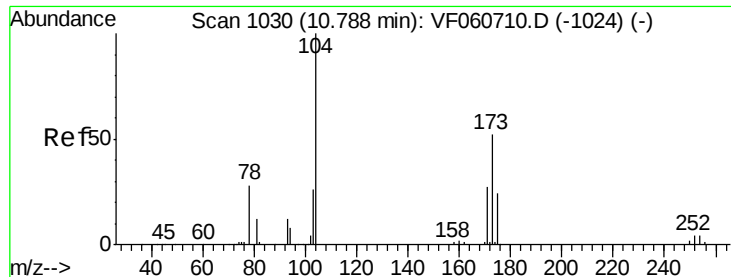
Tot Ion:106 Resp: 235230
Ion Ratio Lower Upper
106 100
91 214.1 110.3 330.9



#70
Styrene
Concen: 50.385 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion:104 Resp: 304941
Ion Ratio Lower Upper
104 100
78 47.8 35.4 53.2
103 46.4 35.8 53.6





#71

Bromoform

Concen: 53.453 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

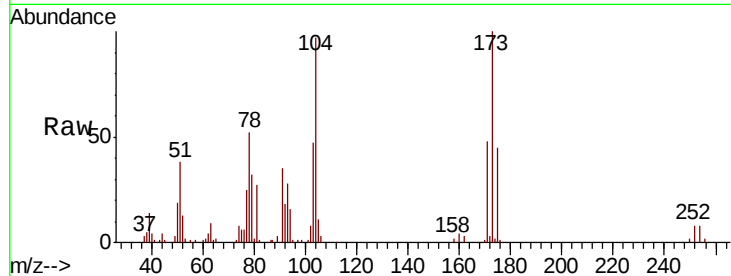
Tot Ion:173 Resp: 61734

Ion Ratio Lower Upper

173 100

175 45.2 23.4 70.0

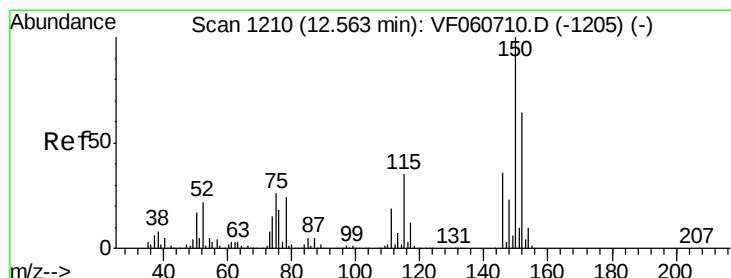
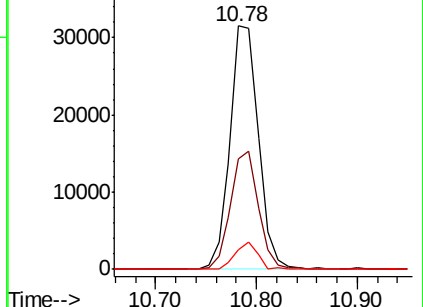
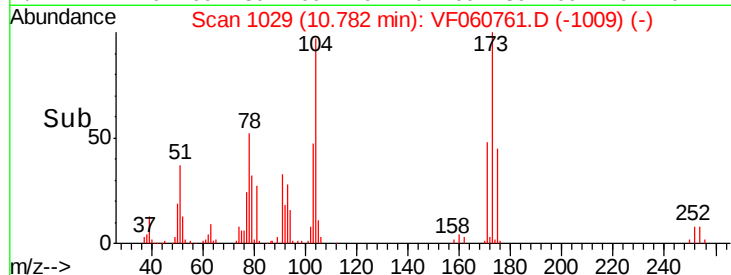
254 7.9 5.8 8.8



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: 12.57 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

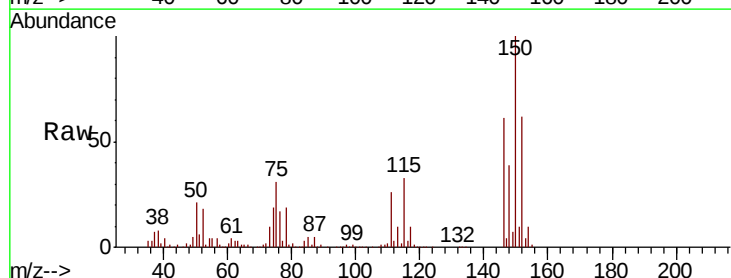
Tgt Ion:152 Resp: 160151

Ion Ratio Lower Upper

152 100

115 53.7 27.9 83.7

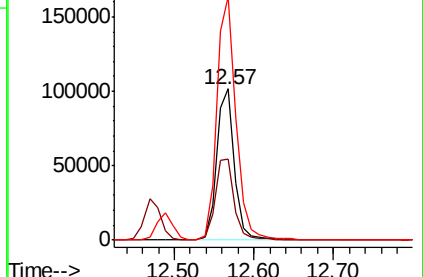
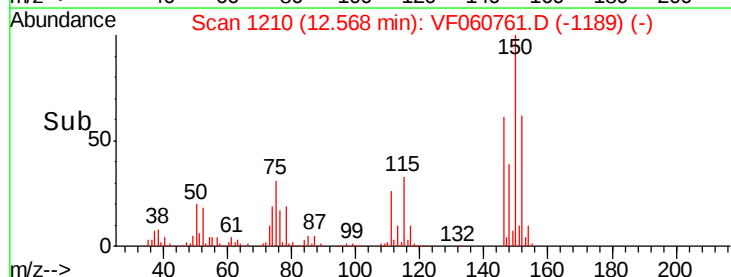
150 160.9 0.0 316.4

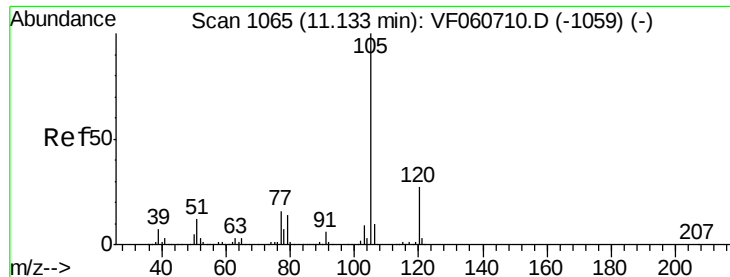


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.603 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

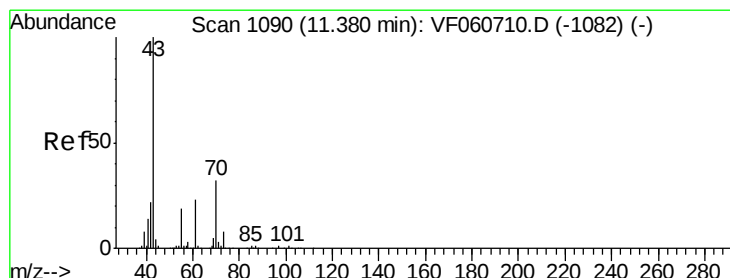
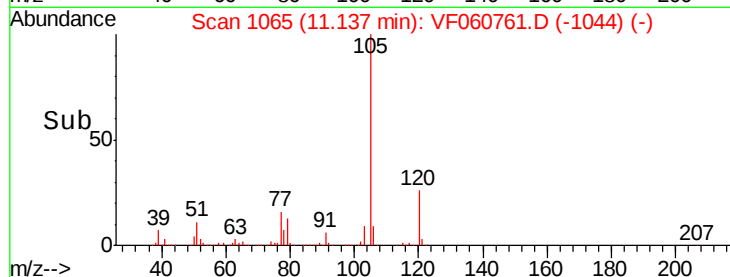
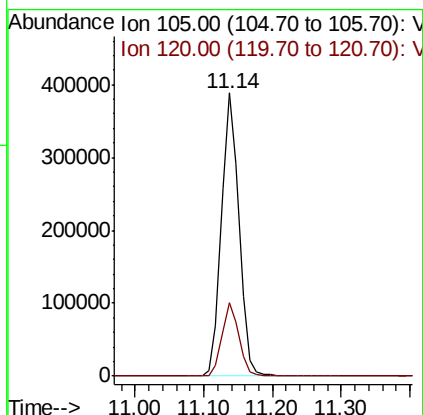
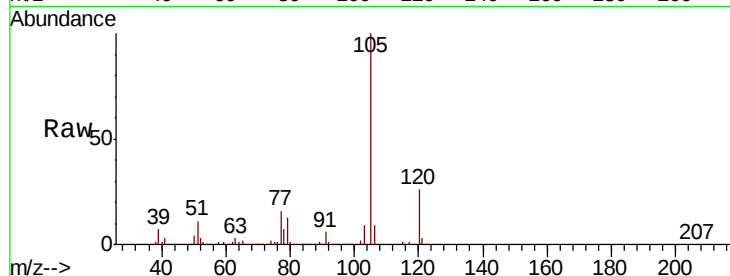
VSTDCCC050

Tot Ion:105 Resp: 691003

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.1



#74

N-ethyl acetate

Concen: 58.622 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Tgt Ion: 43 Resp: 172035

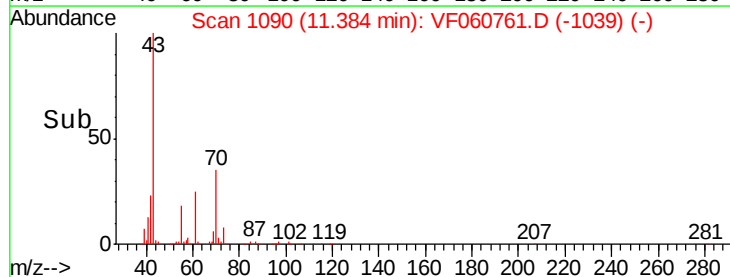
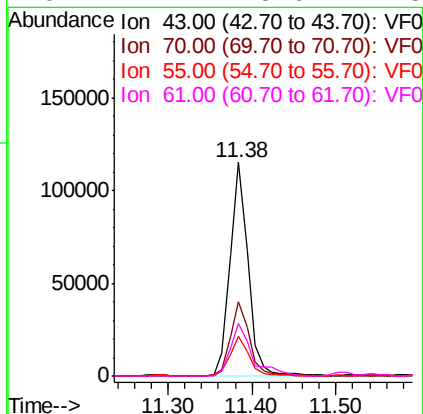
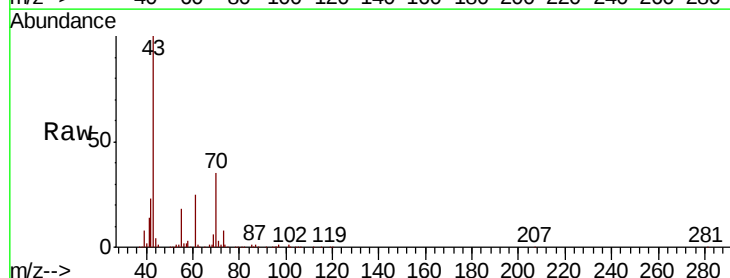
Ion Ratio Lower Upper

43 100

70 35.0 25.5 38.3

55 18.4 14.9 22.3

61 24.7 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.792 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

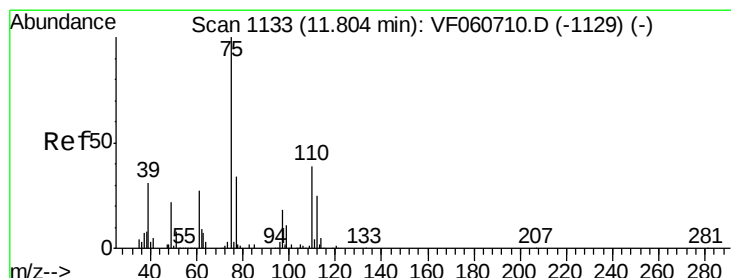
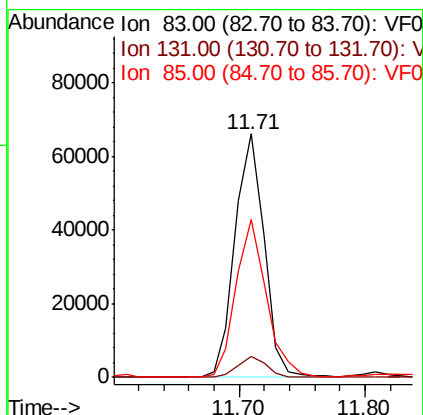
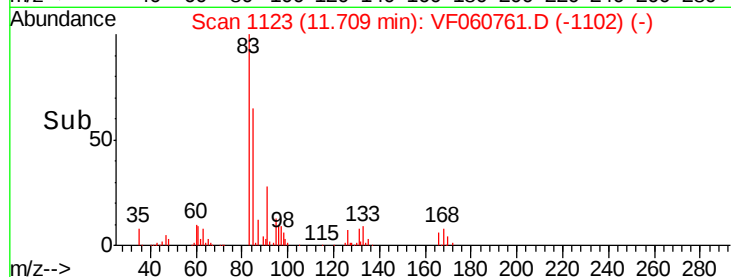
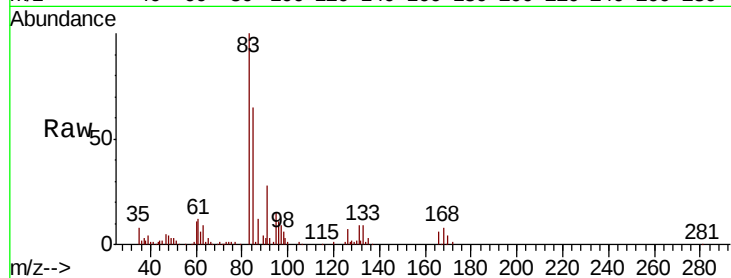
Tot Ion: 83 Resp: 106120

Ion Ratio Lower Upper

83 100

131 8.6 4.2 12.4

85 64.6 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 46.470 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060761.D

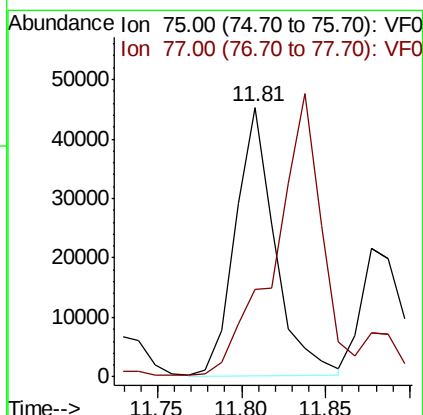
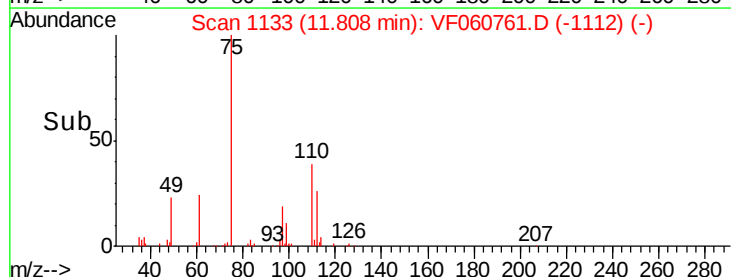
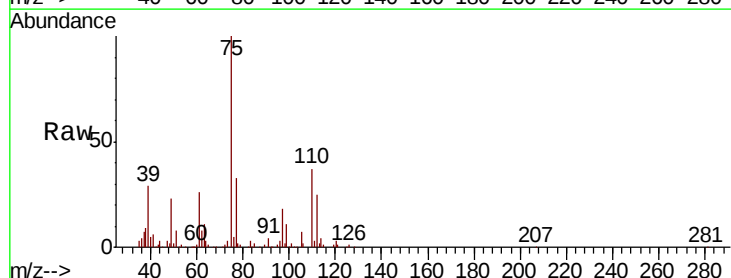
Acq: 16 Nov 2018 12:22

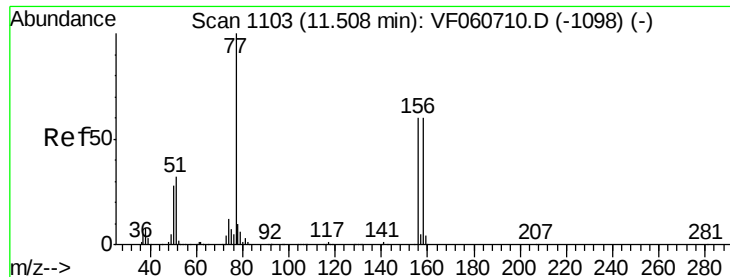
Tgt Ion: 75 Resp: 73555

Ion Ratio Lower Upper

75 100

77 32.7 17.0 51.0





#77

Bromobenzene

Concen: 52.540 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

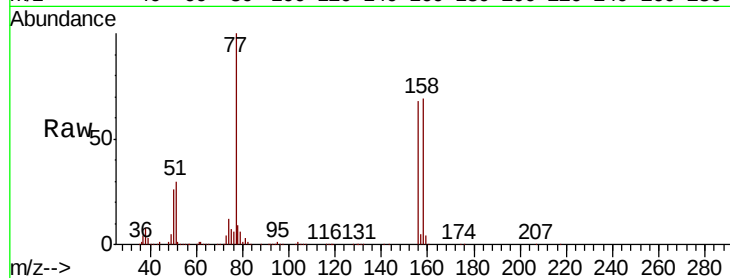
Tot Ion:156 Resp: 140982

Ion Ratio Lower Upper

156 100

77 147.7 83.0 248.9

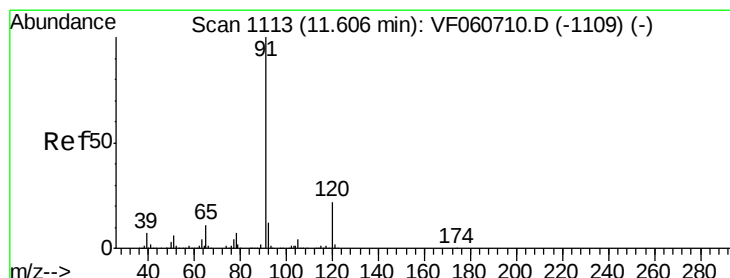
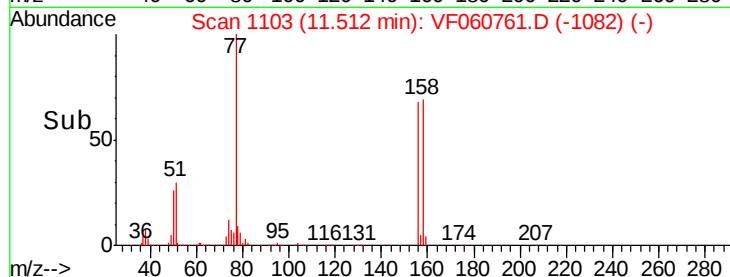
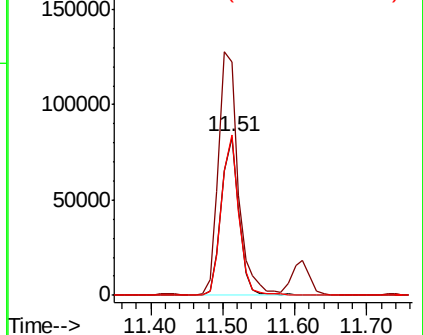
158 101.2 49.6 149.0



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: 50.214 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060761.D

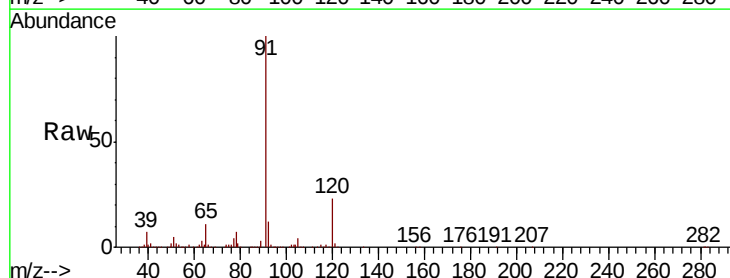
Acq: 16 Nov 2018 12:22

Tgt Ion: 91 Resp: 754951

Ion Ratio Lower Upper

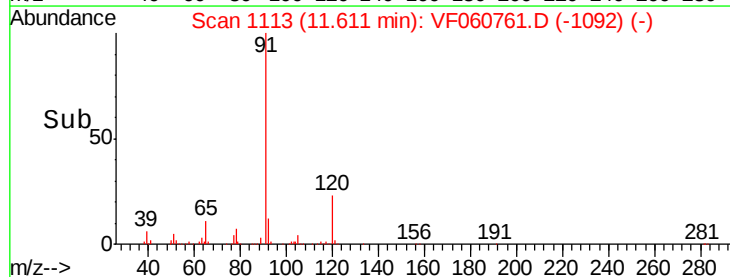
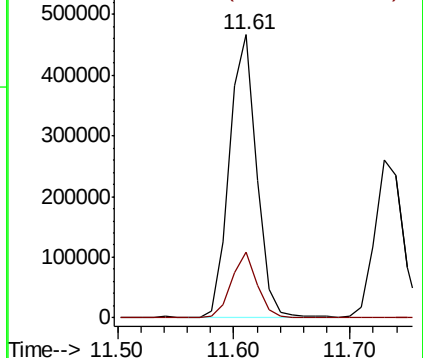
91 100

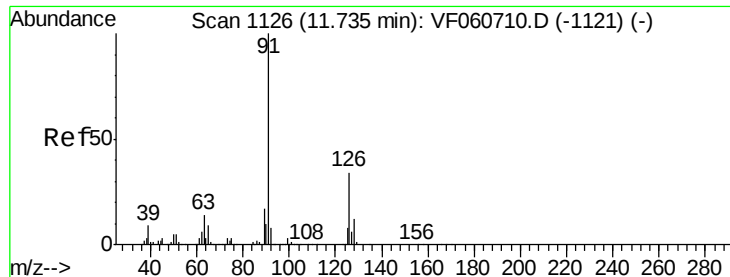
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

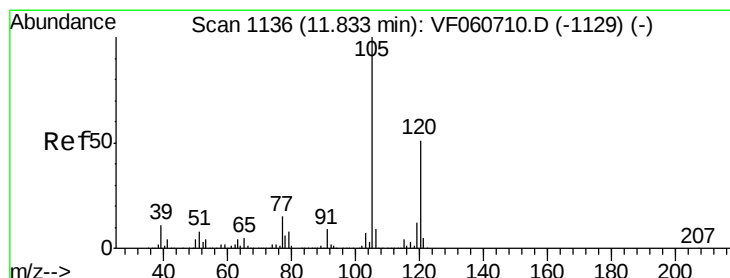
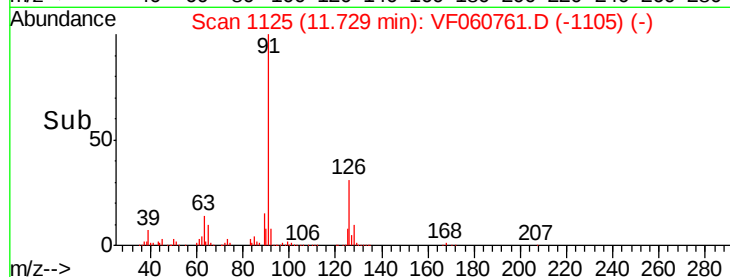
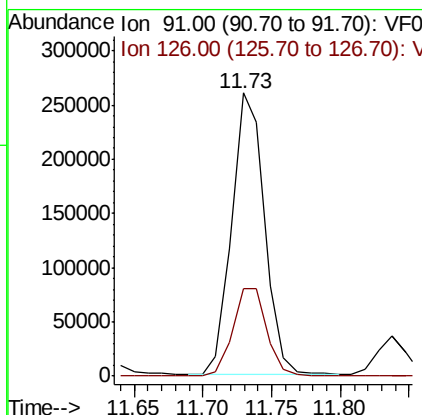
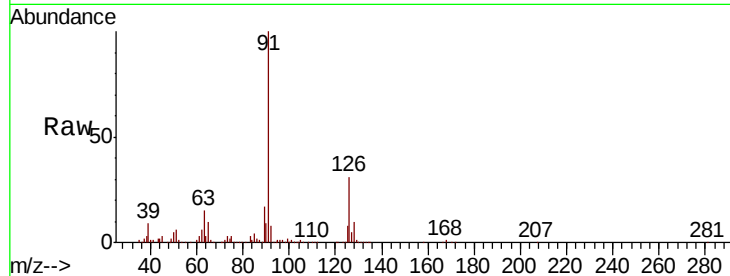




#79
 2-Chlorotoluene
 Concen: 49.253 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

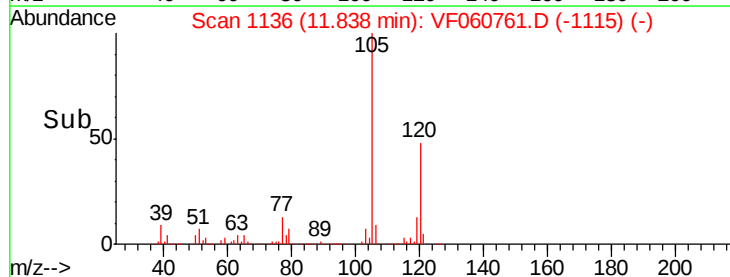
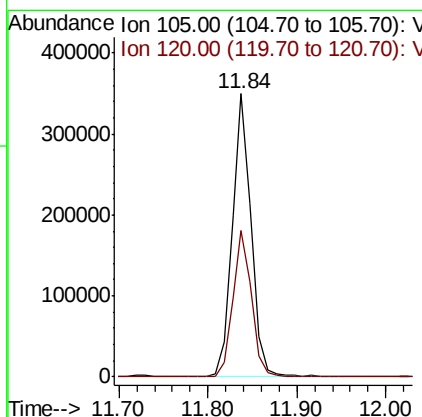
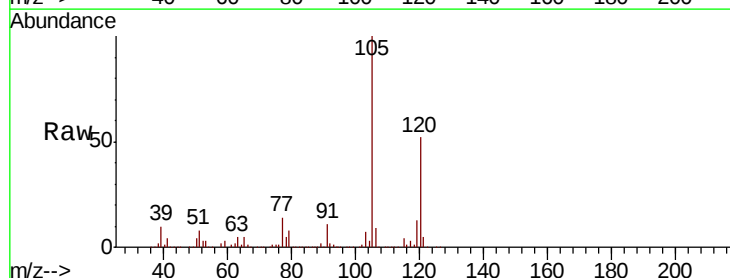
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

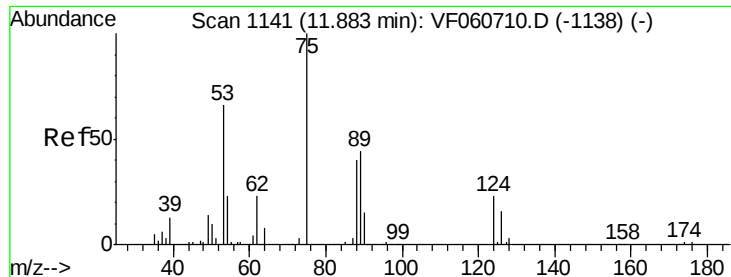
Tot Ion: 91 Resp: 430386
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.765 ug/l
 RT: 11.84 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

Tgt Ion: 105 Resp: 519546
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 62.603 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

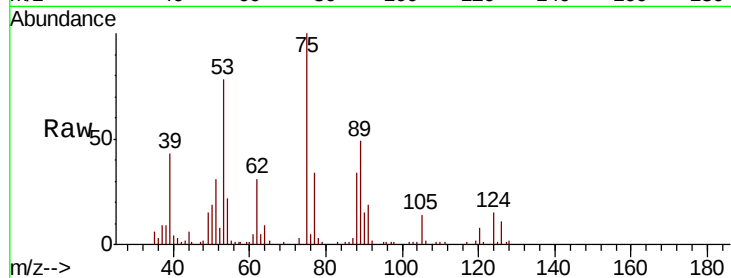
Tot Ion: 75 Resp: 48682

Ion Ratio Lower Upper

75 100

53 78.2 57.0 85.4

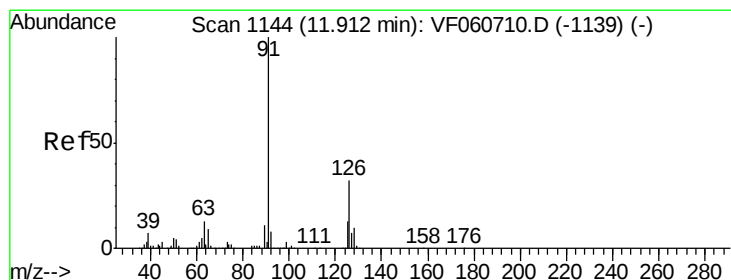
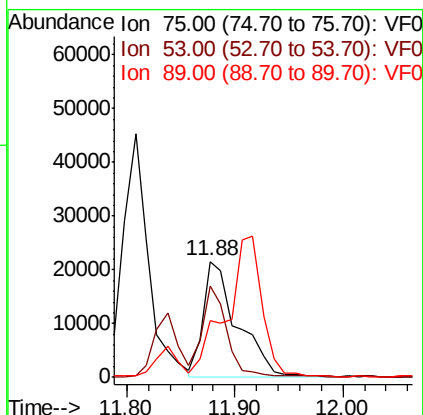
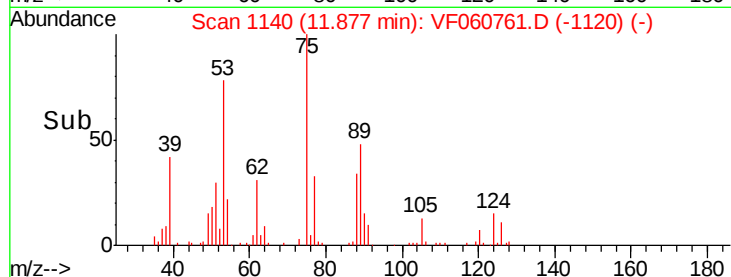
89 48.8 37.8 56.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 45.271 ug/l

RT: 11.92 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060761.D

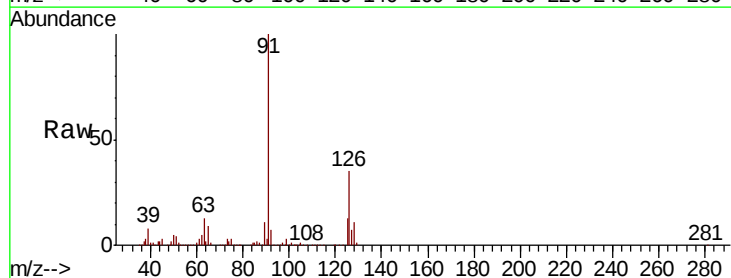
Acq: 16 Nov 2018 12:22

Tgt Ion: 91 Resp: 405260

Ion Ratio Lower Upper

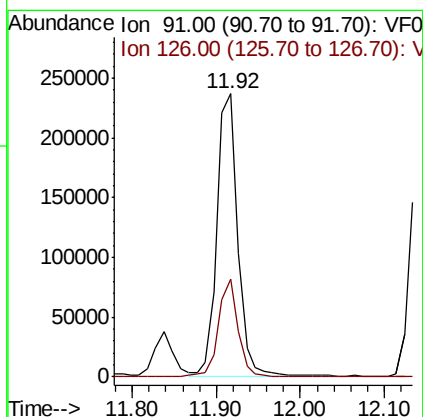
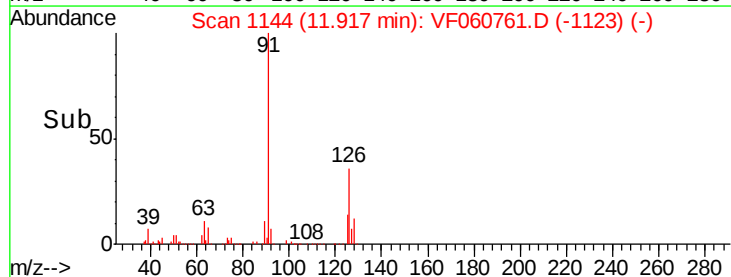
91 100

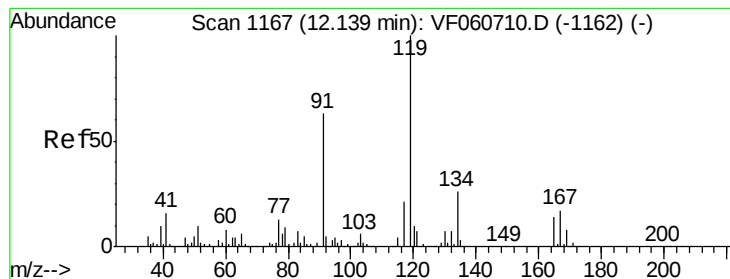
126 34.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 50.940 ug/l

RT: 12.14 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

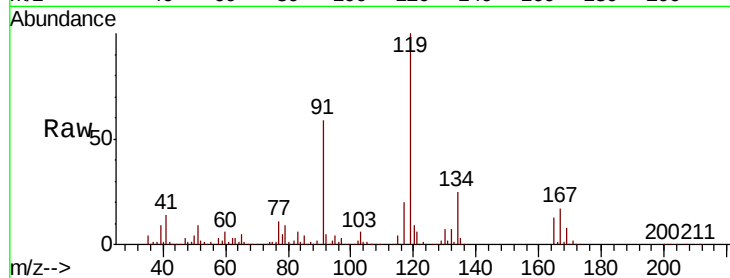
Tot Ion:119 Resp: 553543

Ion Ratio Lower Upper

119 100

91 59.1 31.4 94.3

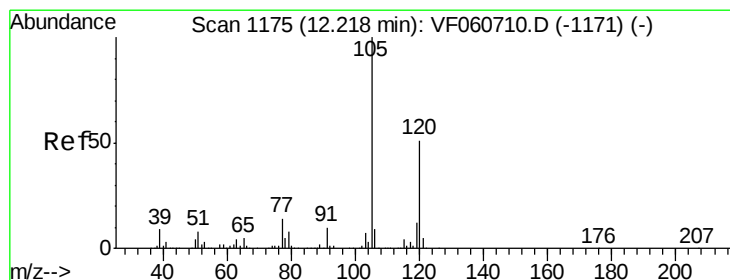
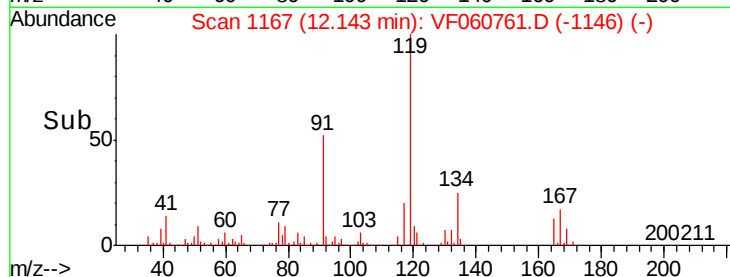
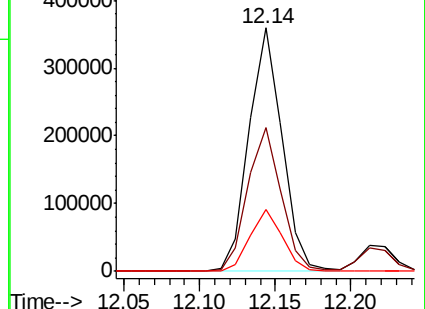
134 25.5 12.8 38.4



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: 49.436 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060761.D

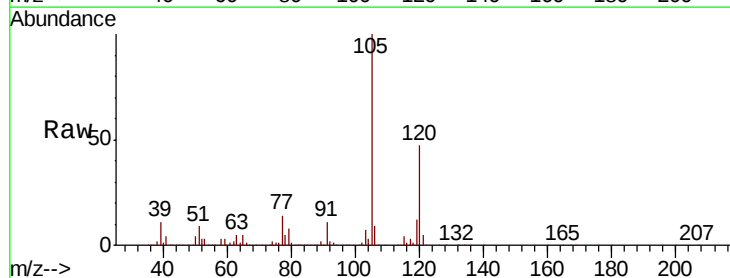
Acq: 16 Nov 2018 12:22

Tgt Ion:105 Resp: 523264

Ion Ratio Lower Upper

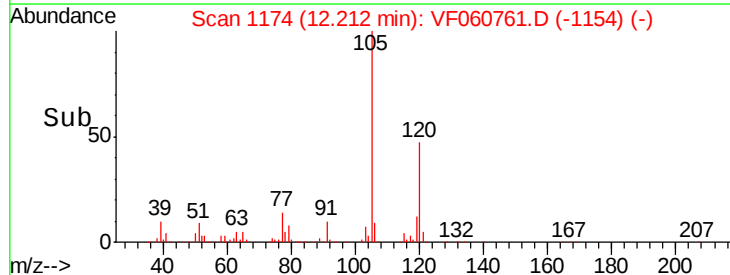
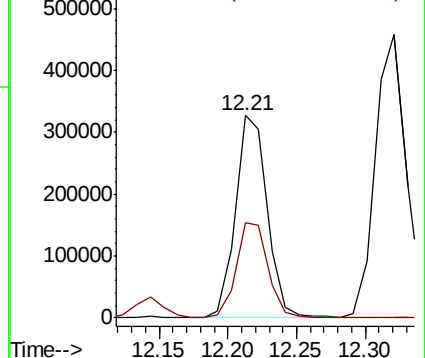
105 100

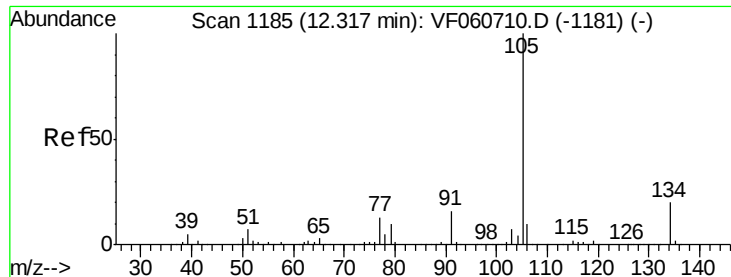
120 46.8 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.595 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

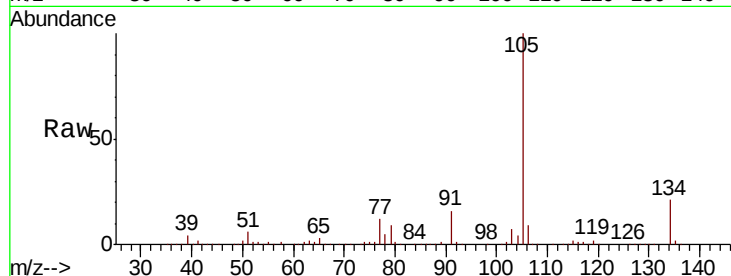
VSTDCCC050

Tot Ion:105 Resp: 716326

Ion Ratio Lower Upper

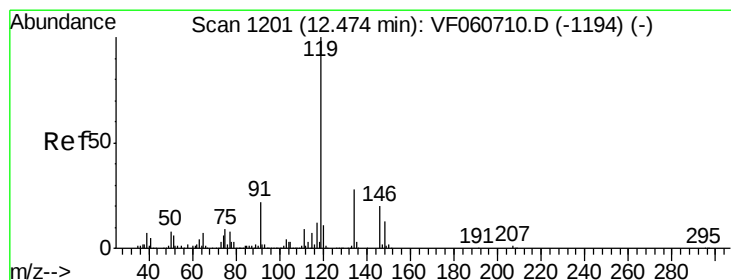
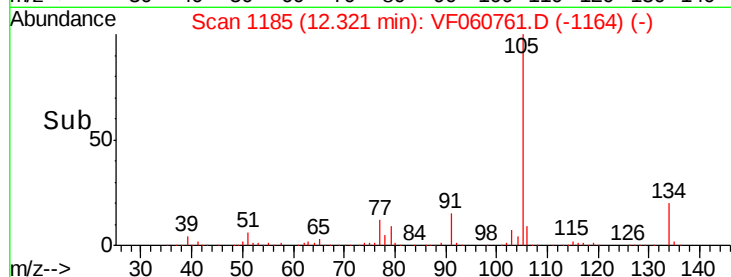
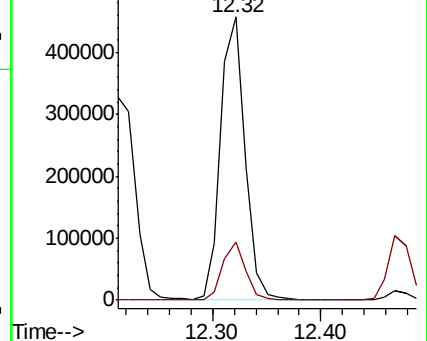
105 100

134 20.5 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.490 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

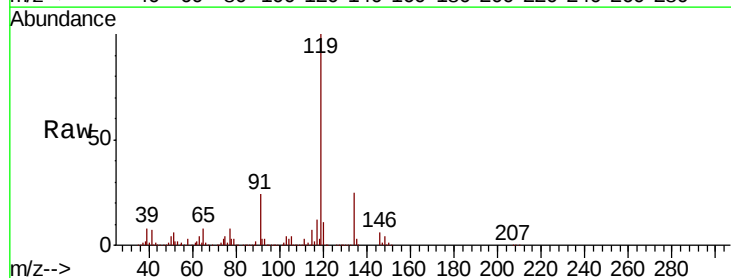
Tgt Ion:119 Resp: 596977

Ion Ratio Lower Upper

119 100

134 25.3 13.9 41.7

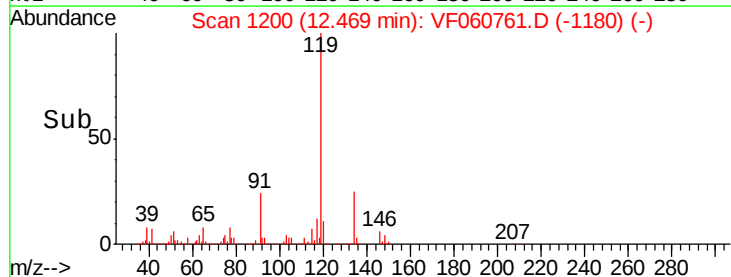
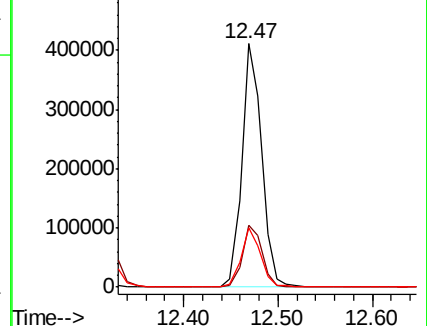
91 24.2 11.3 33.9

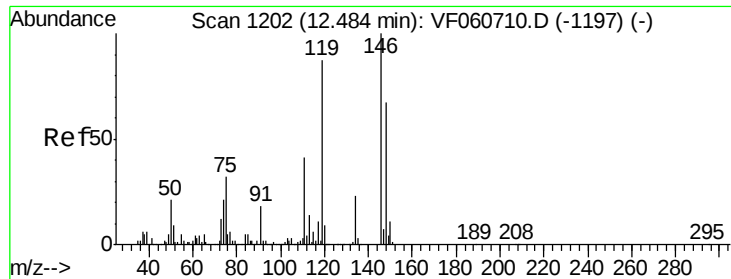


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

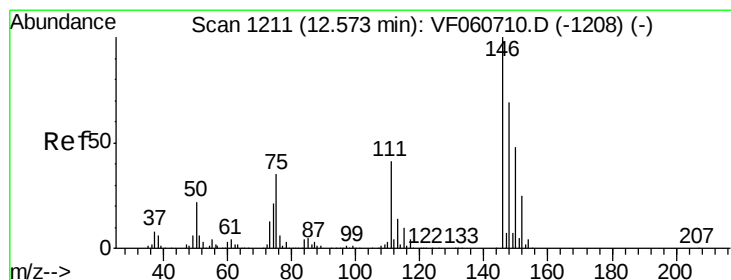
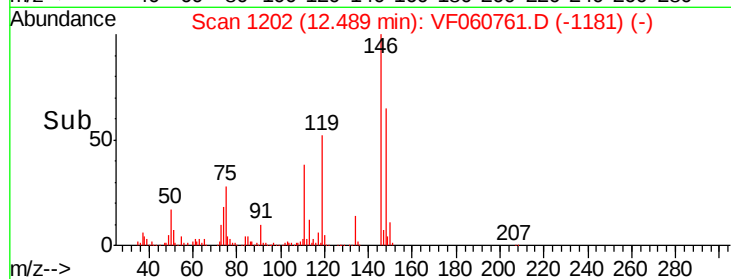
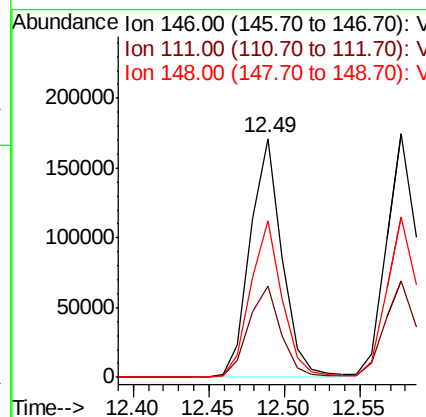
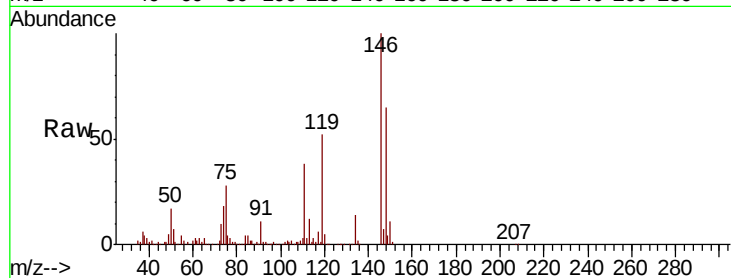




#87
 1,3-Dichlorobenzene
 Concen: 47.165 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

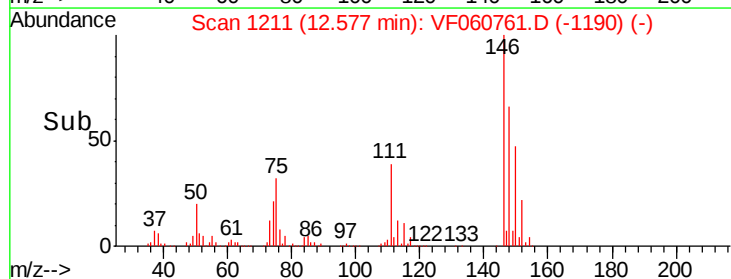
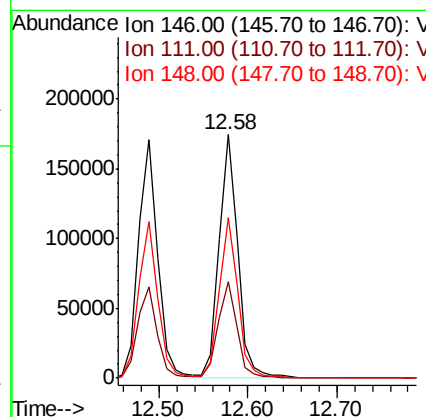
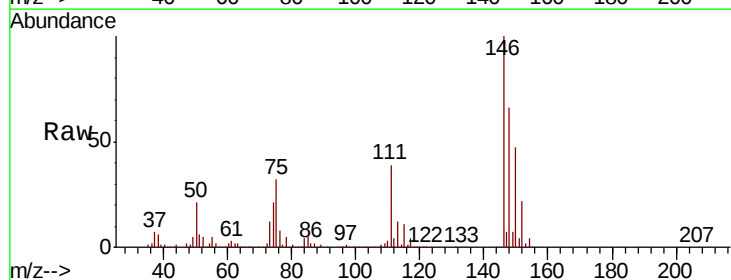
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

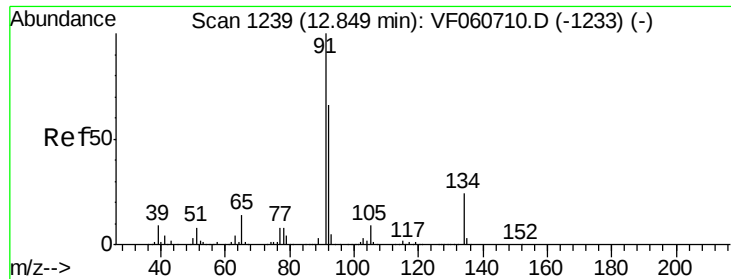
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	60.8
148	65.4	33.3	99.9



#88
 1,4-Dichlorobenzene
 Concen: 49.923 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.6	61.9
148	65.7	34.7	104.1

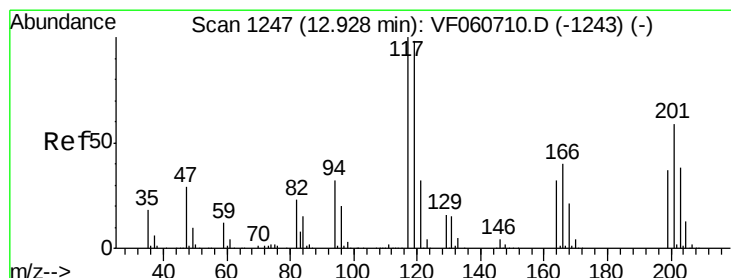
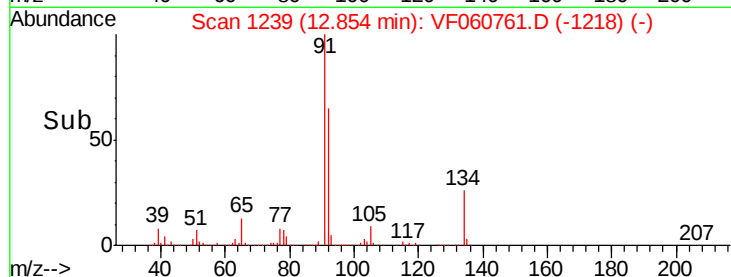
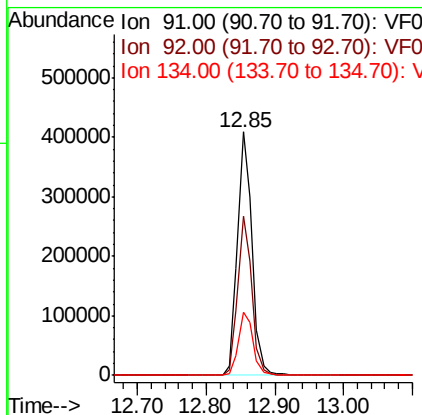
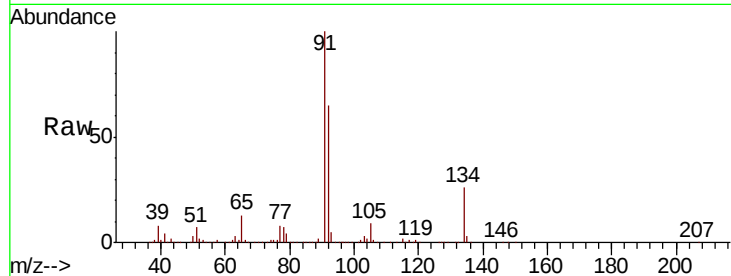




#89
n-Butylbenzene
Concen: 47.366 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

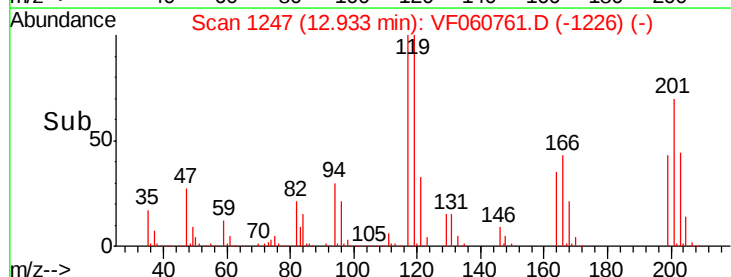
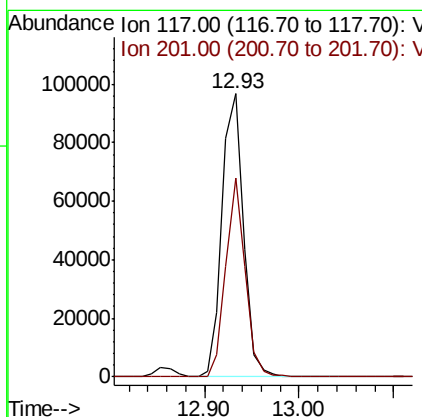
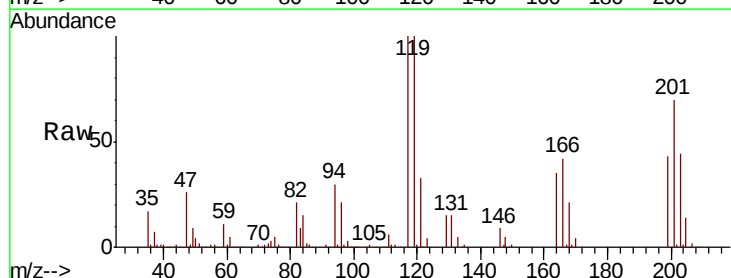
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

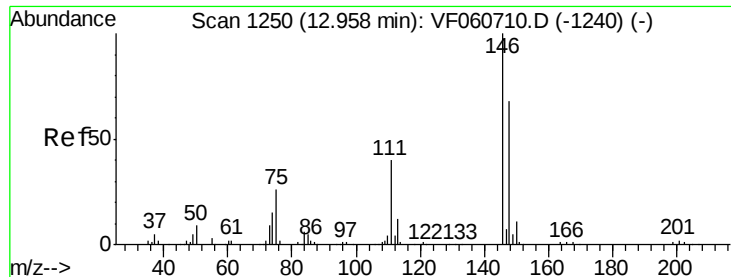
Tot Ion	Ratio	Lower	Upper
91	100		
92	65.3	33.1	99.2
134	25.7	11.9	35.9



#90
Hexachloroethane
Concen: 50.706 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	29.4	88.3





#91

1,2-Dichlorobenzene

Concen: 49.450 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

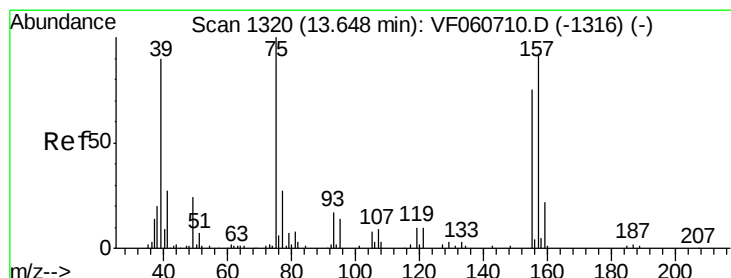
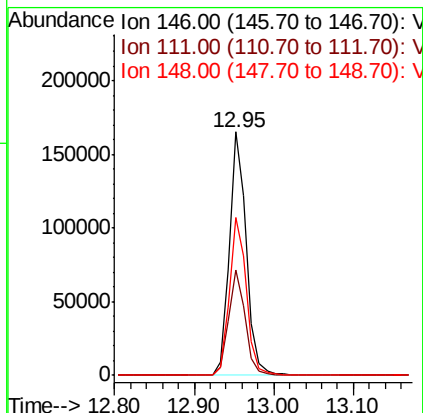
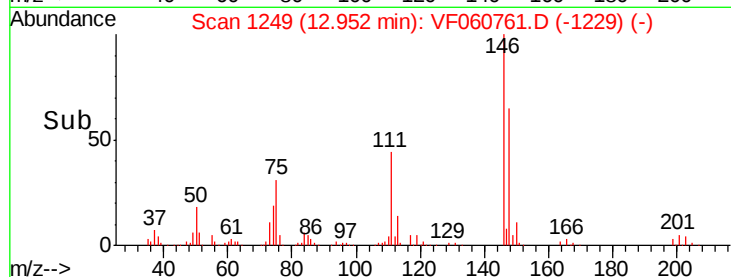
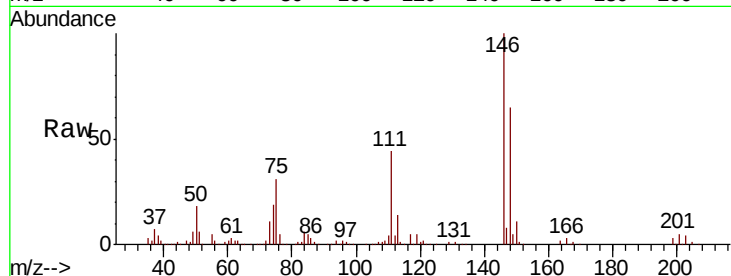
Tot Ion:146 Resp: 248633

Ion Ratio Lower Upper

146 100

111 43.5 20.3 60.8

148 64.9 34.1 102.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.184 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF060761.D

Acq: 16 Nov 2018 12:22

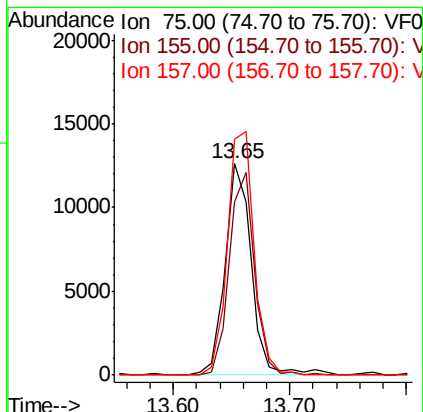
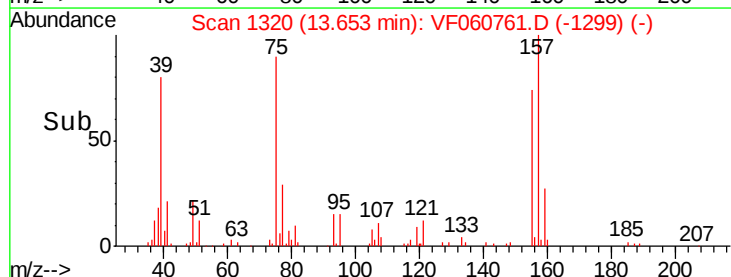
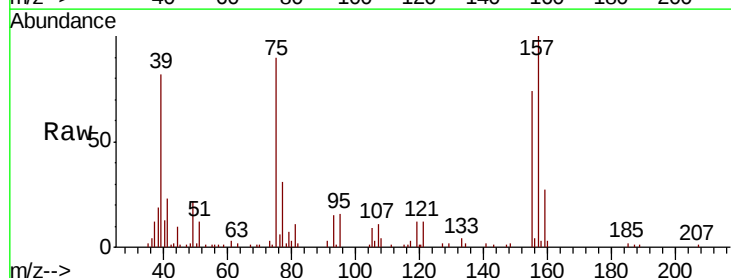
Tgt Ion: 75 Resp: 19702

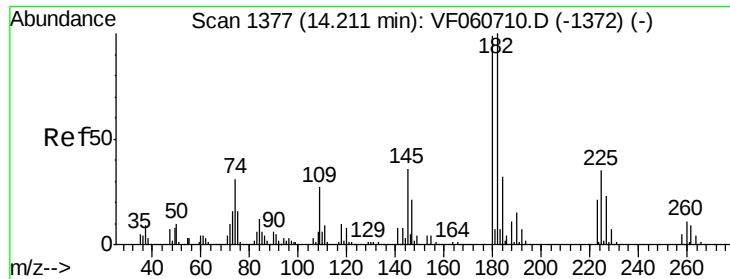
Ion Ratio Lower Upper

75 100

155 82.0 37.4 112.2

157 111.5 46.0 138.0

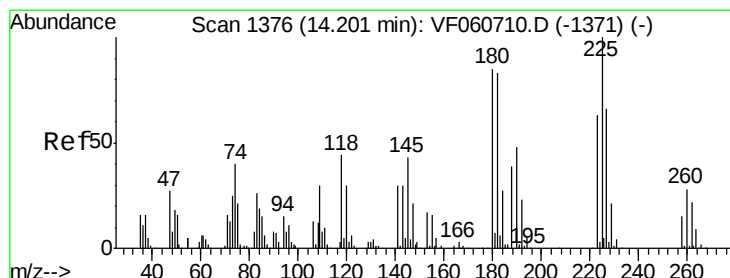
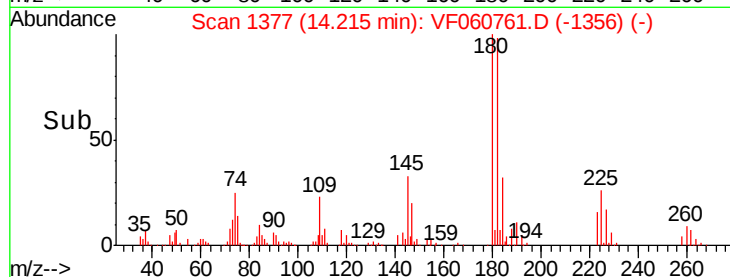
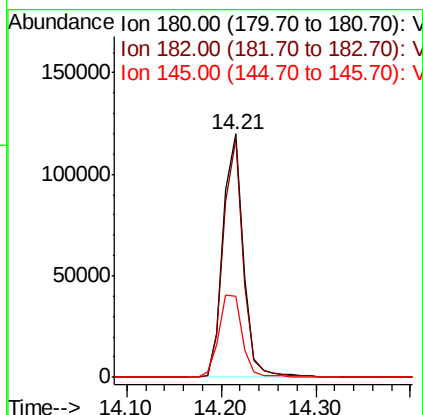
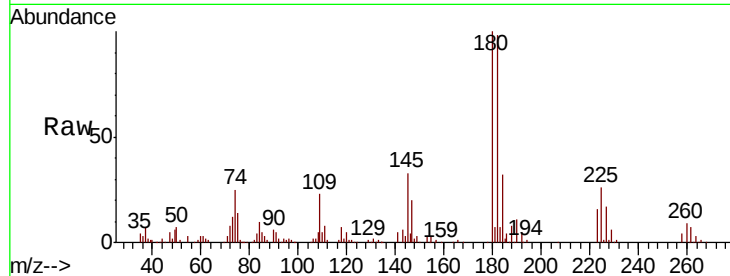




#93
 1,2,4-Trichlorobenzene
 Concen: 49.655 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

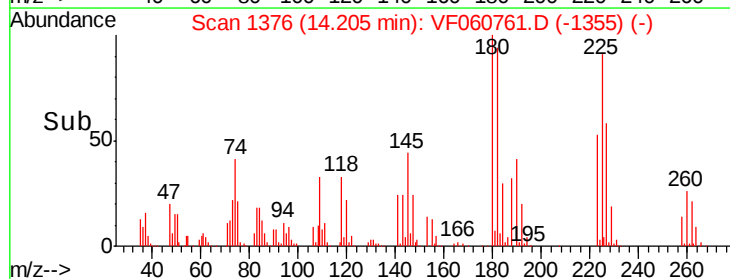
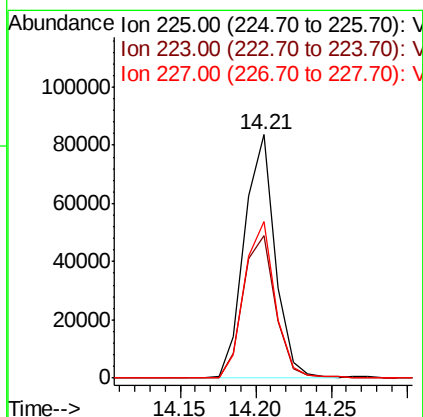
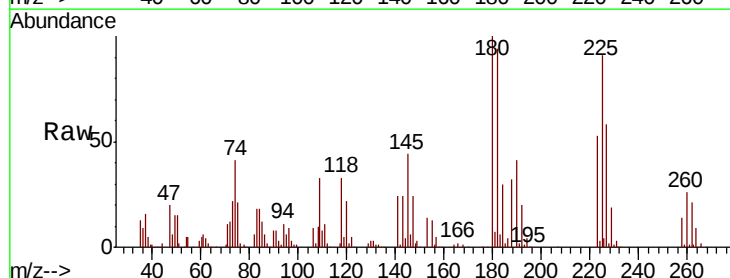
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

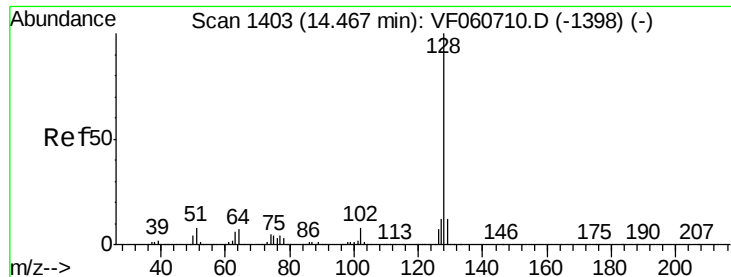
Tot Ion:180 Resp: 179446
 Ion Ratio Lower Upper
 180 100
 182 97.8 50.3 151.0
 145 33.3 18.3 54.9



#94
 Hexachlorobutadiene
 Concen: 49.826 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060761.D
 Acq: 16 Nov 2018 12:22

Tgt Ion:225 Resp: 117666
 Ion Ratio Lower Upper
 225 100
 223 58.4 31.5 94.5
 227 64.1 33.0 99.0

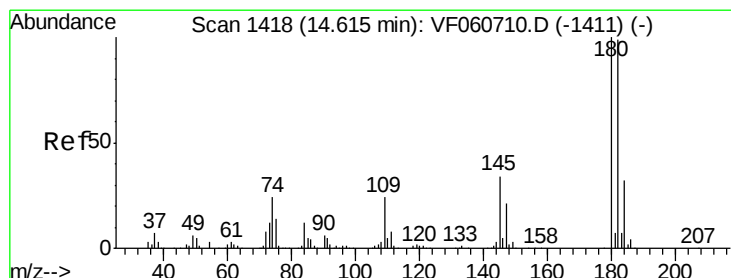
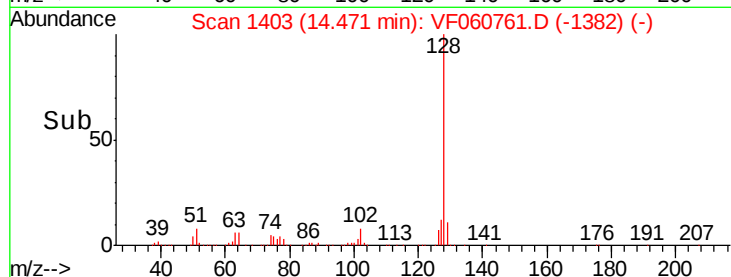
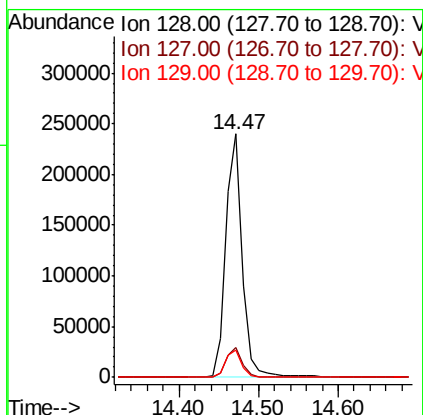
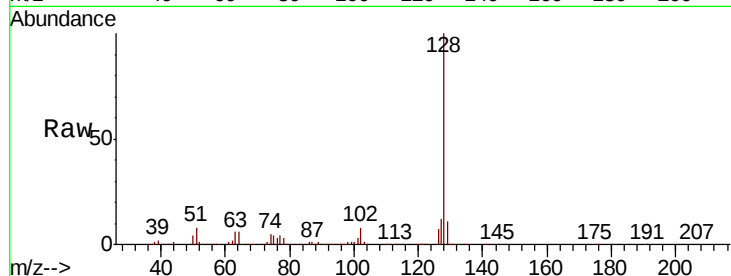




#95
Naphthalene
Concen: 53.326 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 351637
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 11.1 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 52.088 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF060761.D
Acq: 16 Nov 2018 12:22

Tgt Ion:180 Resp: 173941
Ion Ratio Lower Upper
180 100
182 96.9 49.6 149.0
145 30.7 16.9 50.7

