

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060459.D
 Acq On : 5 Oct 2018 16:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 06 04:32:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	237524	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	398944	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	362568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	188099	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	179678	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	4.28	113	187370	49.99	ug/l	0.01
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	7.69	98	437816	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
62) 4-Bromofluorobenzene	11.49	95	203794	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	256928	50.374	ug/l	97
3) Chloromethane	1.13	50	159226	49.367	ug/l	99
4) Vinyl Chloride	1.18	62	171374	51.077	ug/l	99
5) Bromomethane	1.35	94	134789	51.864	ug/l	92
6) Chloroethane	1.43	64	89174	53.259	ug/l	96
7) Trichlorofluoromethane	1.54	101	406212	52.182	ug/l	99
8) Diethyl Ether	1.69	74	52890	49.577	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.89	101	189908	50.930	ug/l	99
10) Methyl Iodide	1.97	142	227389	39.988	ug/l	96
11) Tert butyl alcohol	2.67	59	59214	263.392	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	152487	52.926	ug/l	95
13) Acrolein	2.08	56	49594	274.308	ug/l	100
14) Allyl chloride	2.18	41	252345	54.661	ug/l	96
15) Acrylonitrile	3.05	53	111566	289.619	ug/l	87
16) Acetone	2.33	43	254343	340.843	ug/l #	90
17) Carbon Disulfide	1.89	76	445497	51.064	ug/l	97
18) Methyl Acetate	2.43	43	76258	54.762	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	359015	51.160	ug/l	98
20) Methylene Chloride	2.27	84	72859	23.958	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	154532	53.704	ug/l	96
22) Diisopropyl ether	2.91	45	485867	57.982	ug/l	95
23) Vinyl Acetate	3.31	43	864783	259.799	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	321059	56.658	ug/l	99
25) 2-Butanone	4.48	43	244728	254.296	ug/l	93
26) 2,2-Dichloropropane	3.74	77	182522	56.870	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	169193	52.590	ug/l	91
28) Bromochloromethane	3.86	49	107995	51.711	ug/l	90
29) Tetrahydrofuran	4.23	42	102363	282.963	ug/l	97
30) Chloroform	4.01	83	366167	52.367	ug/l	95
31) Cyclohexane	3.84	56	208352	51.204	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	317118	54.501	ug/l	94
36) 1,1-Dichloropropene	4.43	75	249303	50.685	ug/l	96
37) Ethyl Acetate	4.27	43	92787	49.262	ug/l	94
38) Carbon Tetrachloride	4.15	117	350905	58.609	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060459.D
 Acq On : 5 Oct 2018 16:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 06 04:32:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	248203	51.473	ug/l	91
40) Benzene	4.79	78	503551	51.570	ug/l	95
41) Methacrylonitrile	4.90	41	47956	48.018	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	237550	50.994	ug/l	99
43) Isopropyl Acetate	7.09	43	105171	46.204	ug/l	90
44) Trichloroethene	5.66	130	158015	50.435	ug/l	92
45) 1,2-Dichloropropane	6.39	63	127752	49.128	ug/l	97
46) Dibromomethane	6.23	93	101173	48.392	ug/l	94
47) Bromodichloromethane	6.52	83	262429	50.682	ug/l	97
48) Methyl methacrylate	6.85	41	76127	46.591	ug/l	99
49) 1,4-Dioxane	6.84	88	16504	1171.469	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	388919	240.026	ug/l	99
52) Toluene	7.76	92	302682	45.638	ug/l	92
53) t-1,3-Dichloropropene	8.41	75	194204	47.858	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	237862	50.154	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	105118	50.003	ug/l	96
56) Ethyl methacrylate	8.74	69	114778	48.048	ug/l	96
57) 1,3-Dichloropropane	8.98	76	175976	49.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	55833	228.817	ug/l	100
59) 2-Hexanone	9.61	43	276991	233.063	ug/l	97
60) Dibromochloromethane	8.84	129	168392	53.200	ug/l	95
61) 1,2-Dibromoethane	9.12	107	120302	52.298	ug/l	100
64) Tetrachloroethene	8.29	164	145767	50.575	ug/l	98
65) Chlorobenzene	9.93	112	376823	50.595	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	157291	48.368	ug/l	97
67) Ethyl Benzene	10.02	91	704678	49.761	ug/l	99
68) m/p-Xylenes	10.25	106	483666	99.353	ug/l	99
69) o-Xylene	10.81	106	264599	49.865	ug/l	97
70) Styrene	10.88	104	370767	49.123	ug/l	98
71) Bromoform	10.87	173	85518	49.393	ug/l #	89
73) Isopropylbenzene	11.22	105	799514	53.983	ug/l	100
74) N-amyl acetate	11.45	43	158268	46.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	137722	51.005	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	105672	53.159	ug/l	95
77) Bromobenzene	11.58	156	170572	51.522	ug/l	96
78) n-propylbenzene	11.67	91	933171	51.974	ug/l	97
79) 2-Chlorotoluene	11.80	91	549745	52.343	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	665587	52.895	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	62692	71.146	ug/l	92
82) 4-Chlorotoluene	11.98	91	564498	52.530	ug/l	98
83) tert-Butylbenzene	12.20	119	658448	53.054	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	644634	51.658	ug/l	95
85) sec-Butylbenzene	12.38	105	902465	52.680	ug/l	99
86) p-Isopropyltoluene	12.53	119	709608	50.702	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	289468	46.465	ug/l	87
88) 1,4-Dichlorobenzene	12.64	146	313728	51.070	ug/l	97
89) n-Butylbenzene	12.91	91	780936	52.731	ug/l	100
90) Hexachloroethane	12.98	117	187507	51.836	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	301524	50.514	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	27650	52.822	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060459.D
Acq On : 5 Oct 2018 16:05
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Oct 06 04:32:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

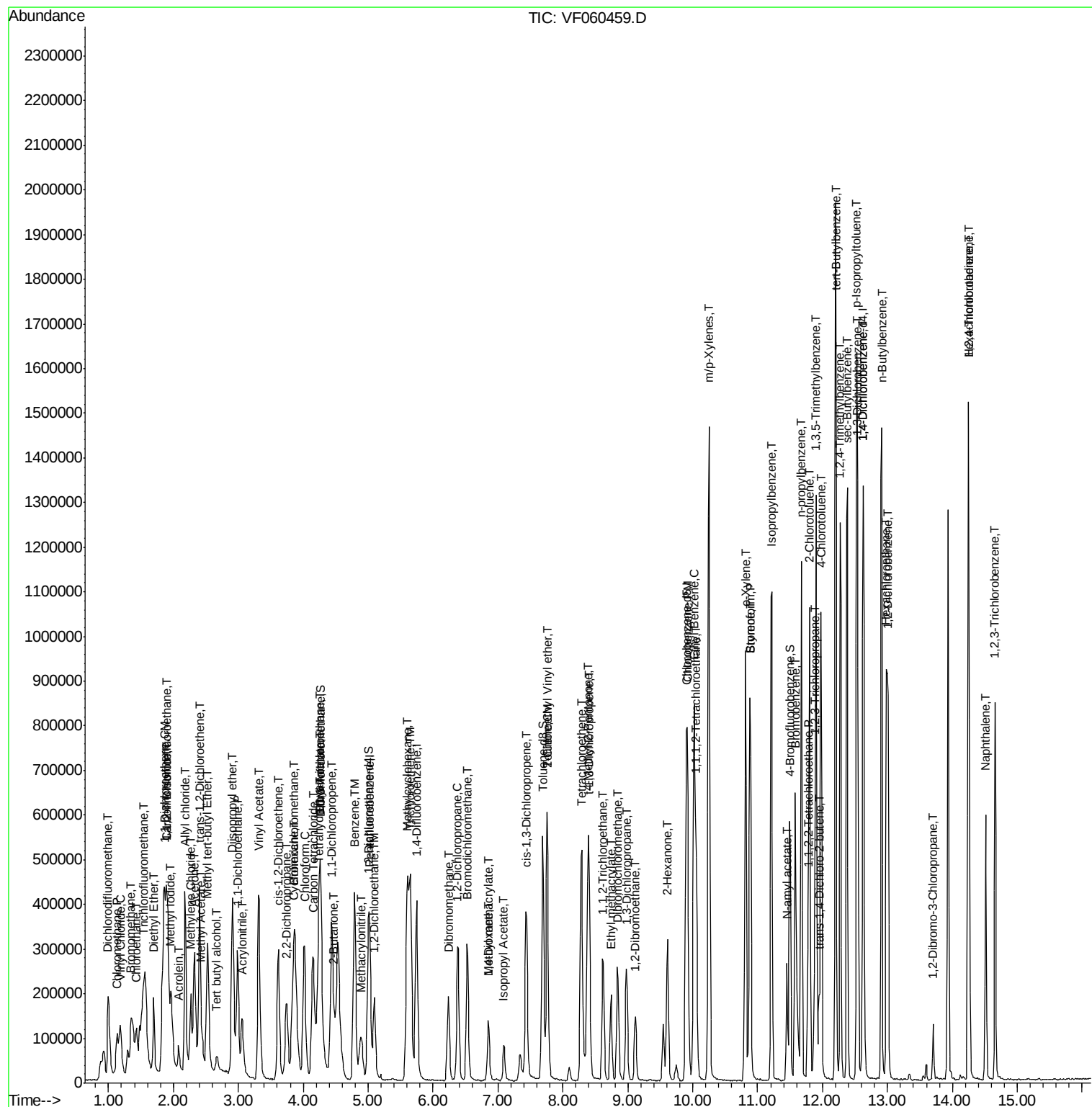
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	228302	51.171	ug/l	94
94) Hexachlorobutadiene	14.24	225	165687	53.210	ug/l	96
95) Naphthalene	14.51	128	409540	51.340	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	219995	52.603	ug/l	98

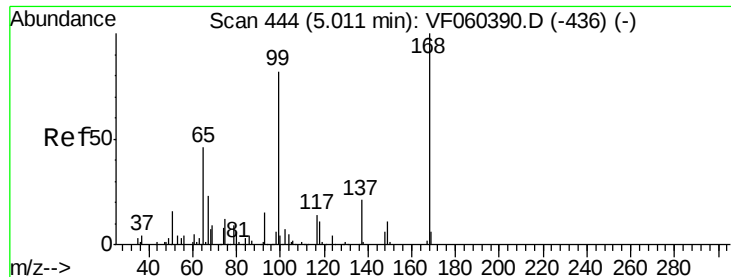
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060459.D
Acq On : 5 Oct 2018 16:05
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Oct 06 04:32:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

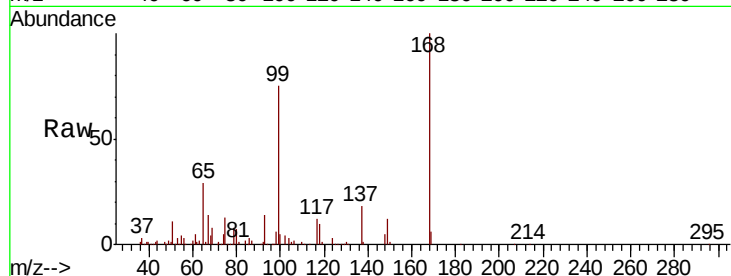
VSTDCCC050

Tot Ion:168 Resp: 237524

Ion Ratio Lower Upper

168 100

99 74.9 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

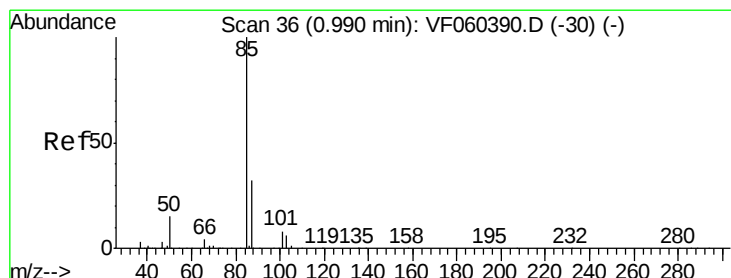
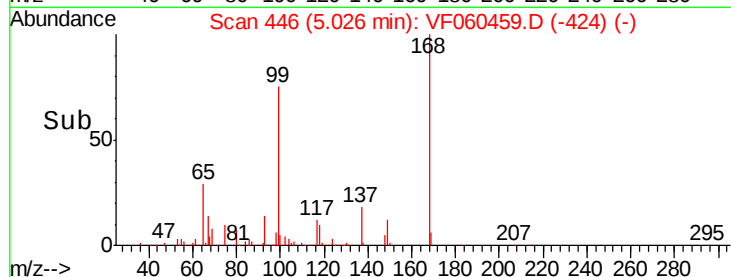
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 50.374 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060459.D

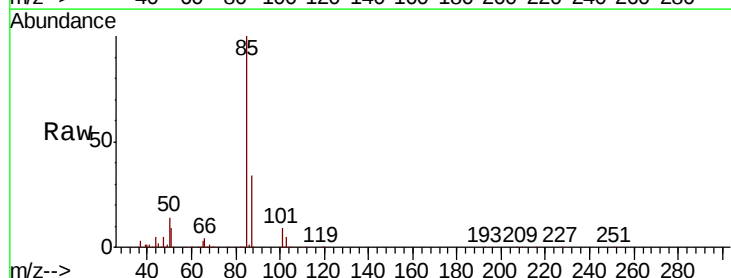
Acq: 5 Oct 2018 16:05

Tgt Ion: 85 Resp: 256928

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

100000

80000

60000

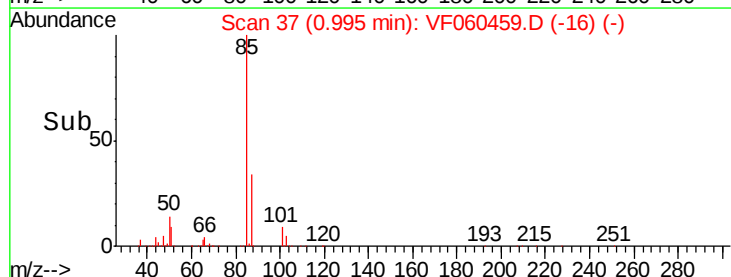
40000

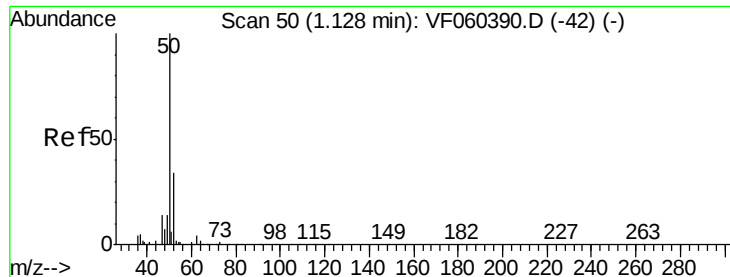
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 49.367 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

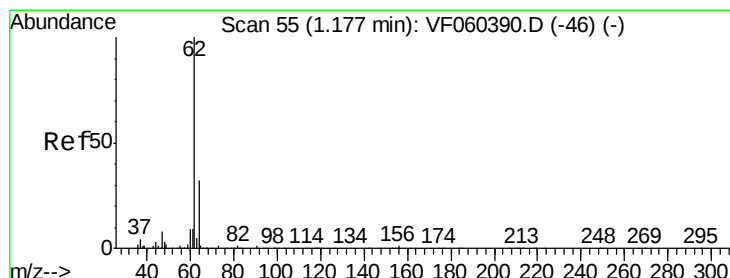
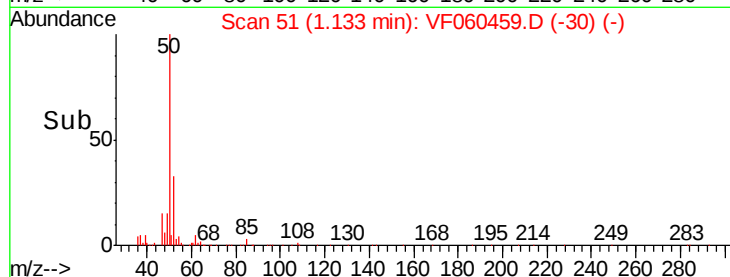
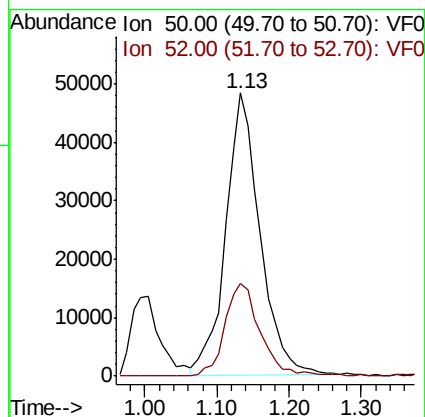
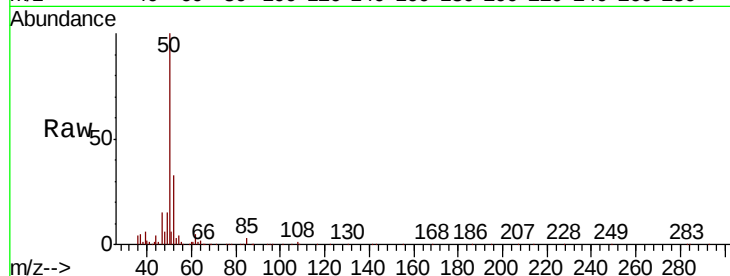
VSTDCCC050

Tot Ion: 50 Resp: 159226

Ion Ratio Lower Upper

50 100

52 32.9 26.9 40.3



#4

Vinyl Chloride

Concen: 51.077 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060459.D

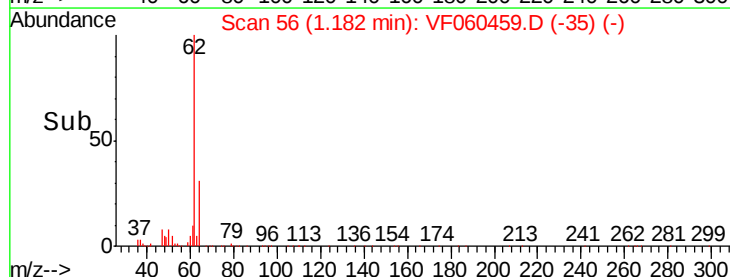
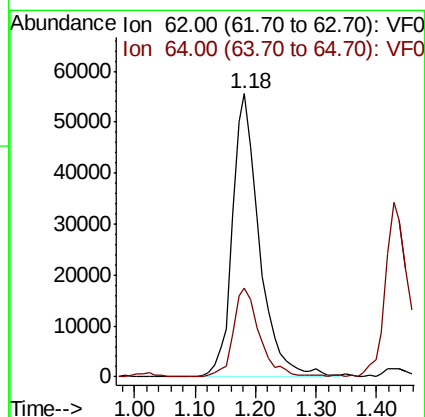
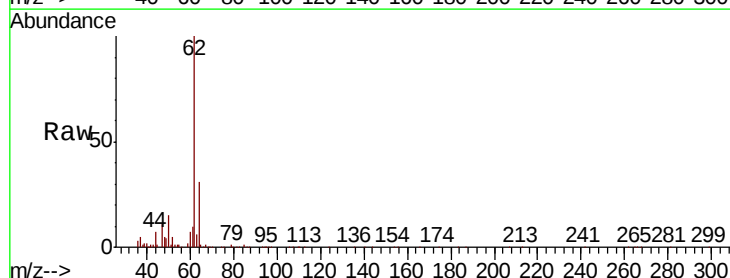
Acq: 5 Oct 2018 16:05

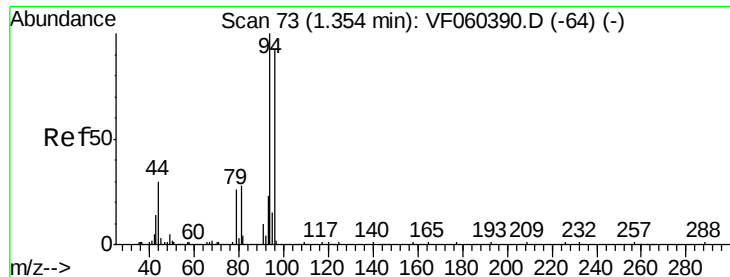
Tgt Ion: 62 Resp: 171374

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.6





#5

Bromomethane

Concen: 51.864 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

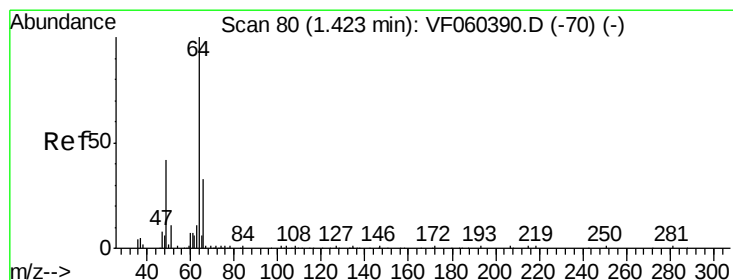
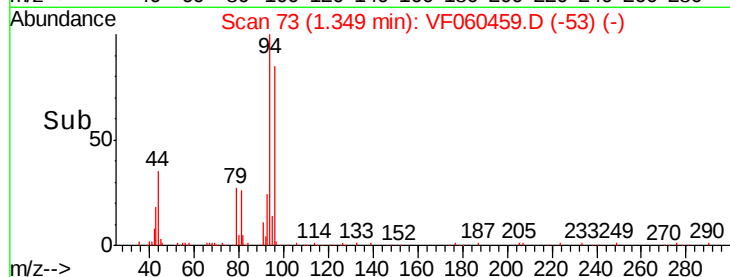
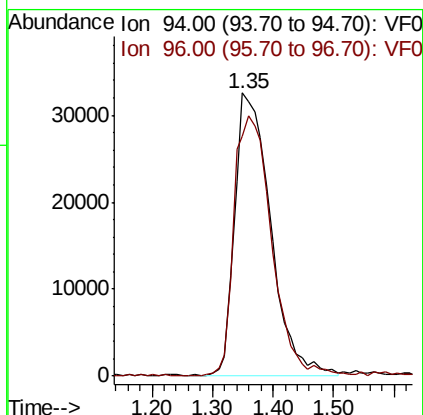
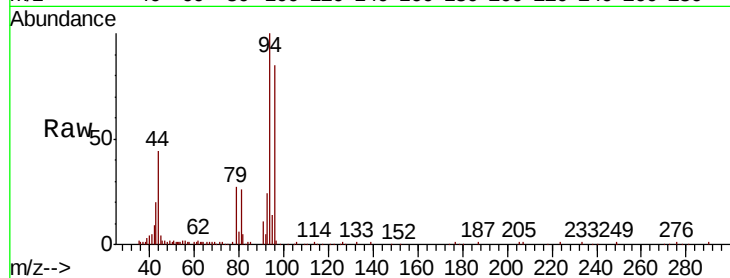
VSTDCCC050

Tot Ion: 94 Resp: 134789

Ion Ratio Lower Upper

94 100

96 84.8 74.3 111.5



#6

Chloroethane

Concen: 53.259 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060459.D

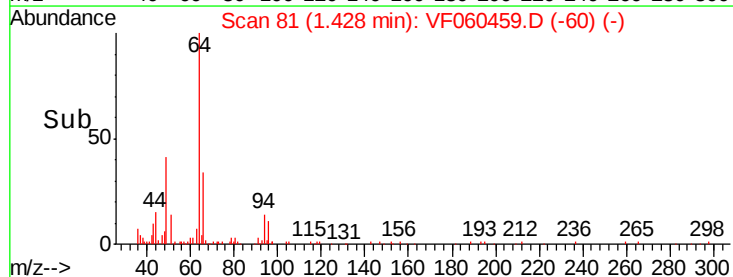
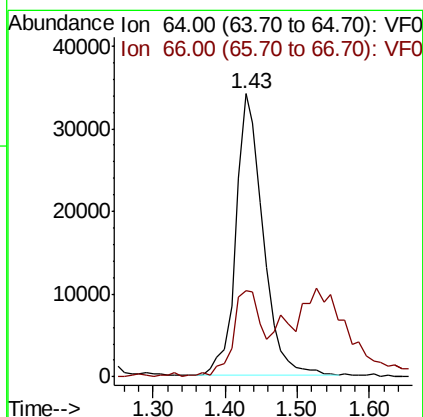
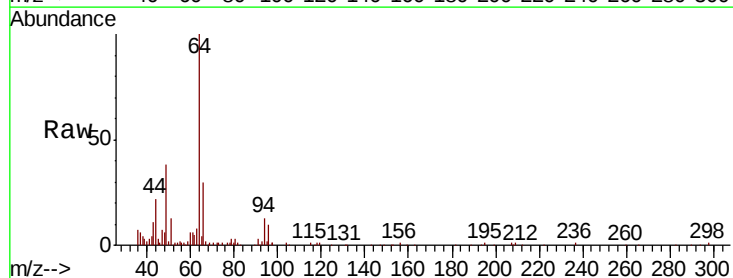
Acq: 5 Oct 2018 16:05

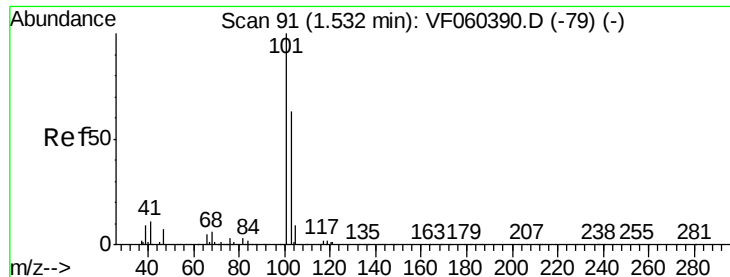
Tgt Ion: 64 Resp: 89174

Ion Ratio Lower Upper

64 100

66 30.4 26.3 39.5





#7

Trichlorofluoromethane

Concen: 52.182 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

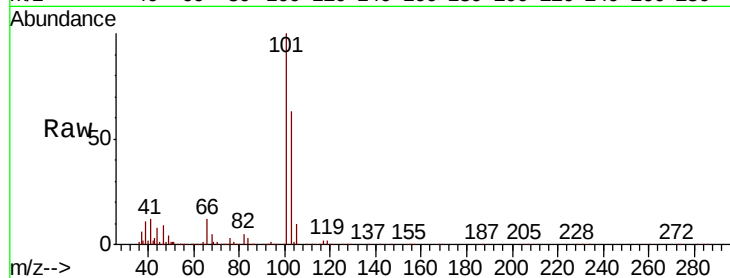
VSTDCCC050

Tot Ion:101 Resp: 406212

Ion Ratio Lower Upper

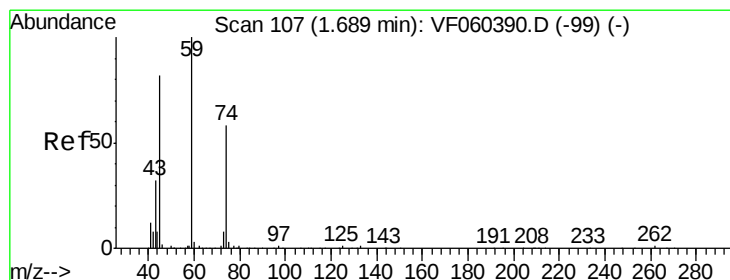
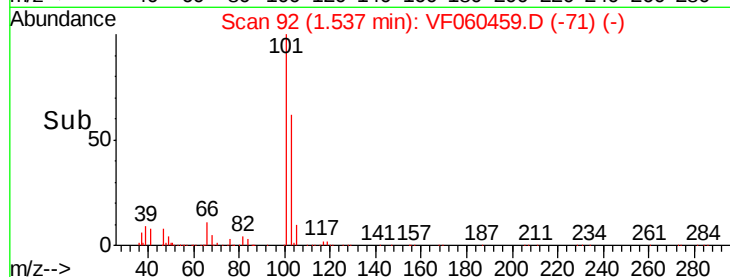
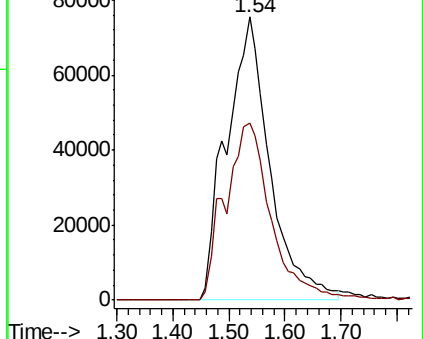
101 100

103 62.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.577 ug/l

RT: 1.69 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF060459.D

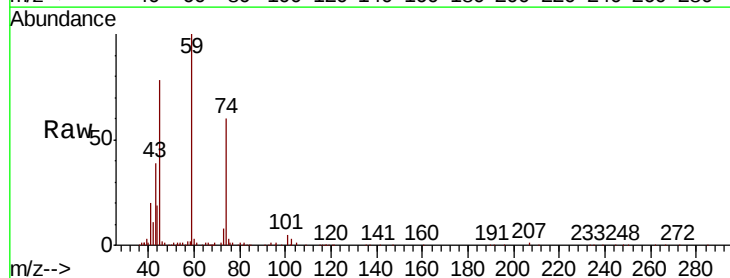
Acq: 5 Oct 2018 16:05

Tgt Ion: 74 Resp: 52890

Ion Ratio Lower Upper

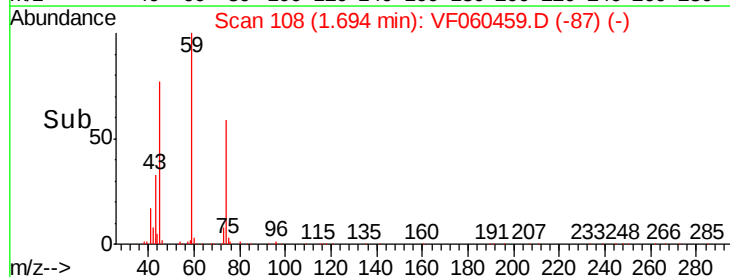
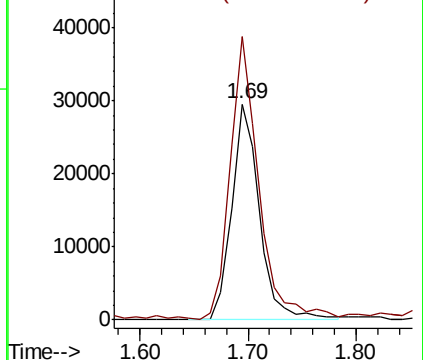
74 100

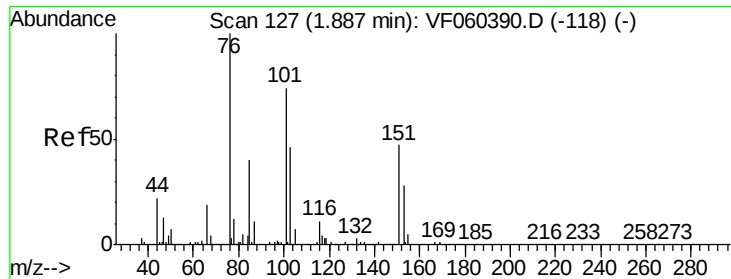
45 131.2 71.3 213.8



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: 50.930 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

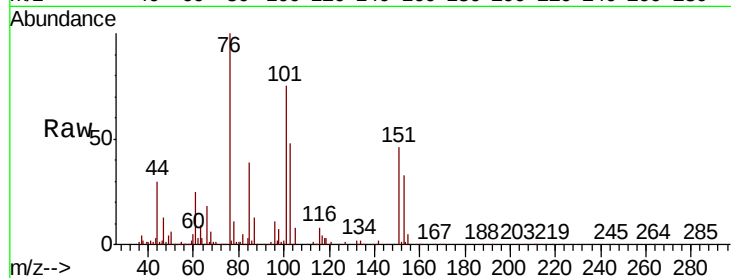
Tot Ion:101 Resp: 189908

Ion Ratio Lower Upper

101 100

85 52.1 42.5 63.7

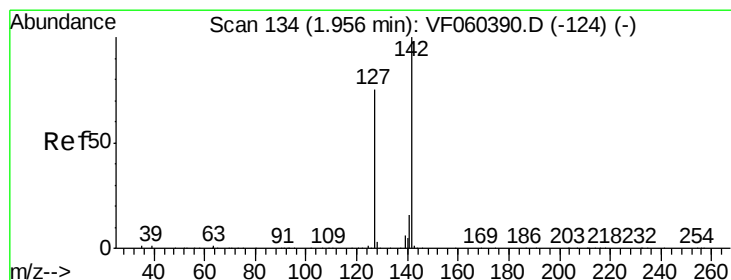
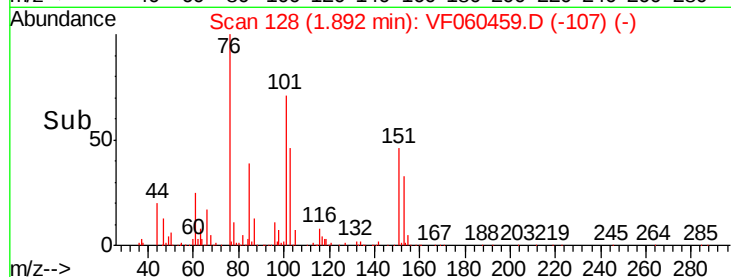
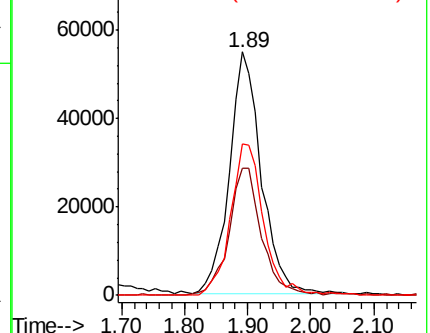
151 62.1 49.8 74.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 39.988 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

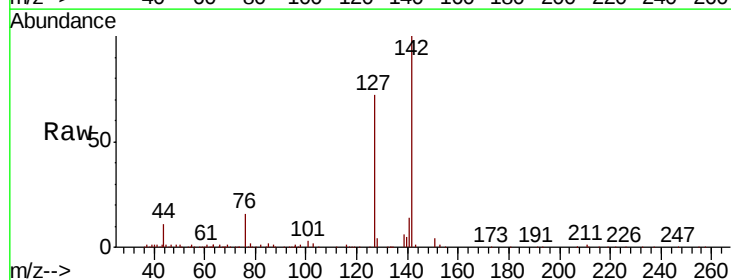
Tgt Ion:142 Resp: 227389

Ion Ratio Lower Upper

142 100

127 72.1 60.2 90.2

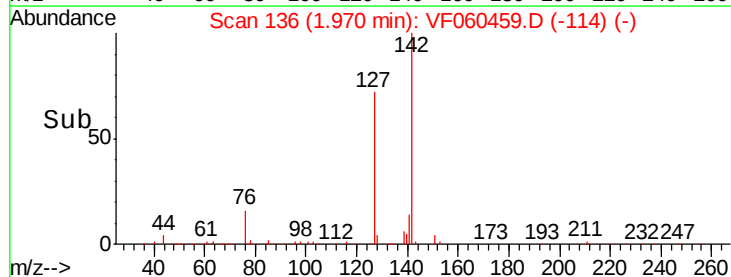
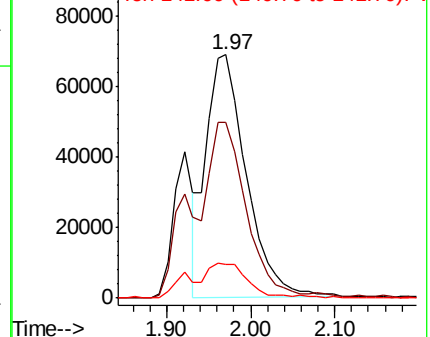
141 13.9 13.1 19.7

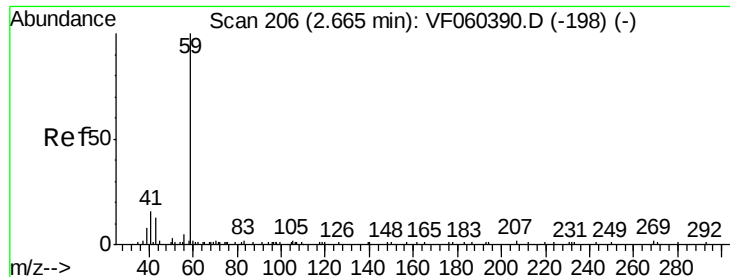


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



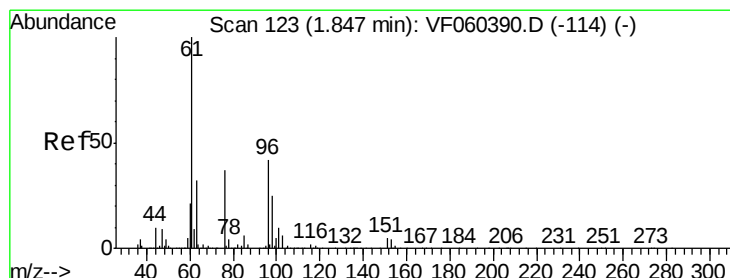
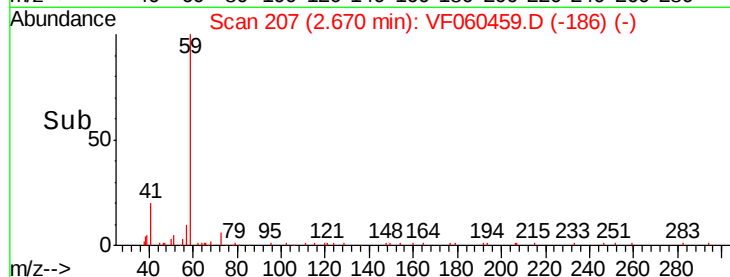
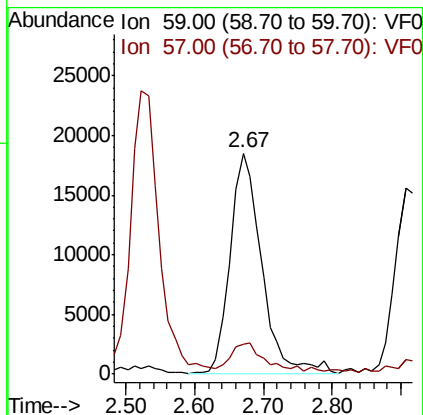
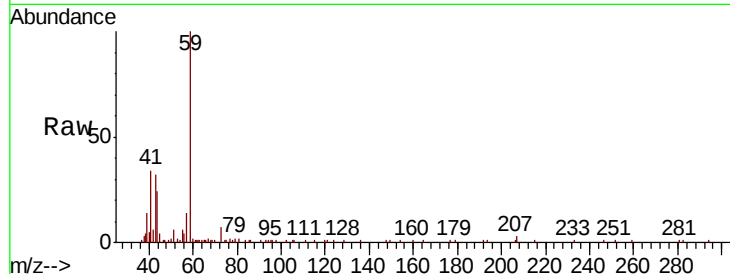


#11

Tert butyl alcohol
Concen: 263.392 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

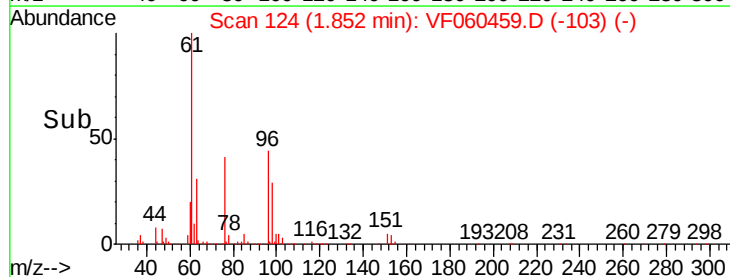
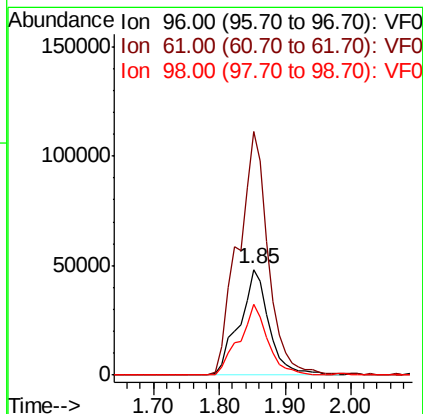
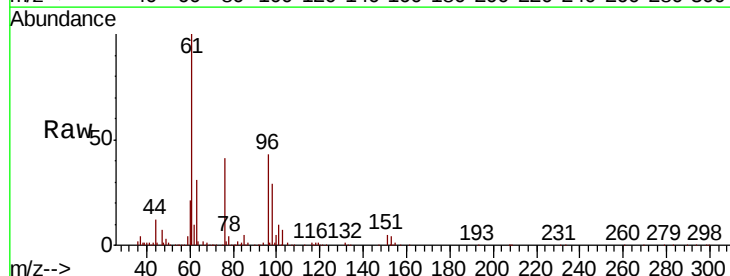
Tot Ion: 59 Resp: 59214
Ion Ratio Lower Upper
59 100
57 13.6 6.5 9.7#

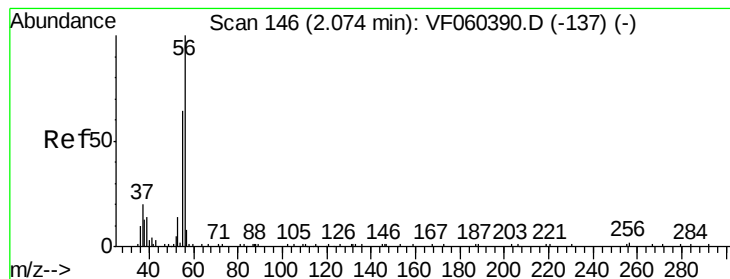


#12

1,1-Dichloroethene
Concen: 52.926 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 96 Resp: 152487
Ion Ratio Lower Upper
96 100
61 230.1 189.4 284.0
98 66.6 47.8 71.6





#13

Acrolein

Concen: 274.308 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

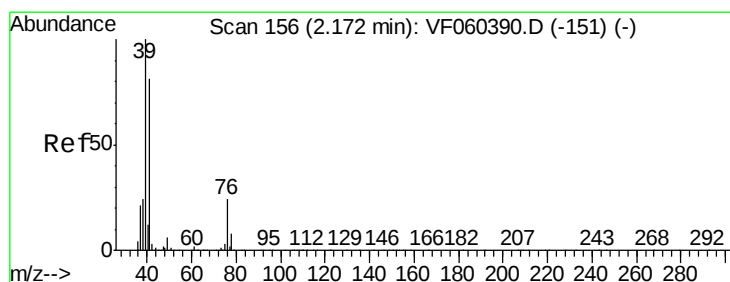
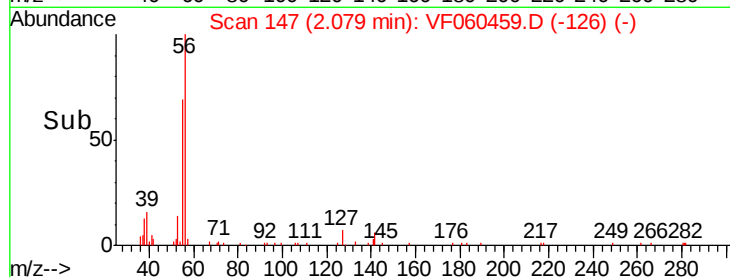
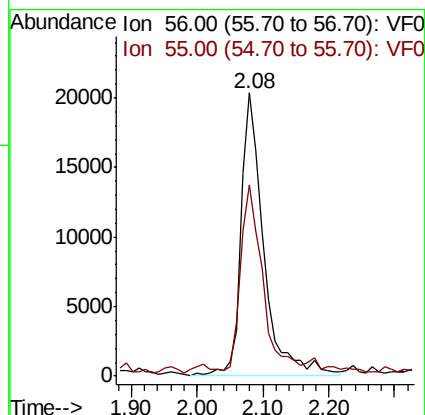
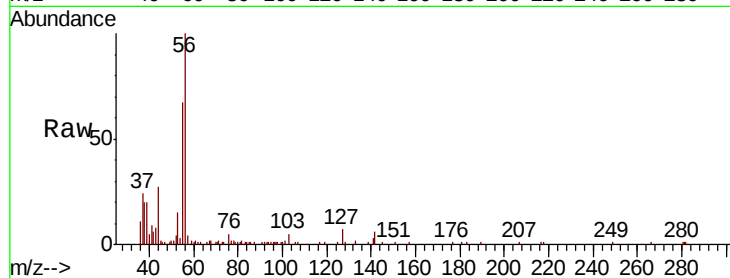
VSTDCCC050

Tot Ion: 56 Resp: 49594

Ion Ratio Lower Upper

56 100

55 67.4 53.9 80.9



#14

Allyl chloride

Concen: 54.661 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

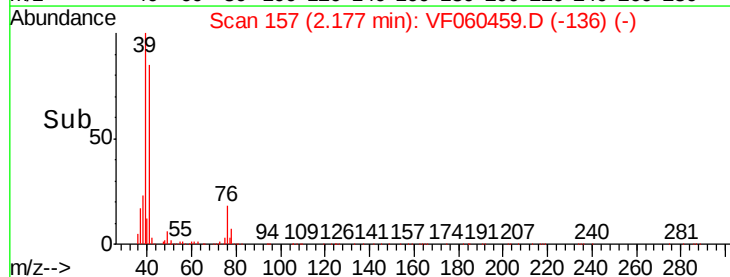
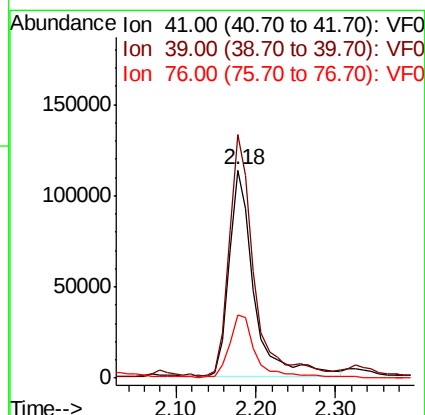
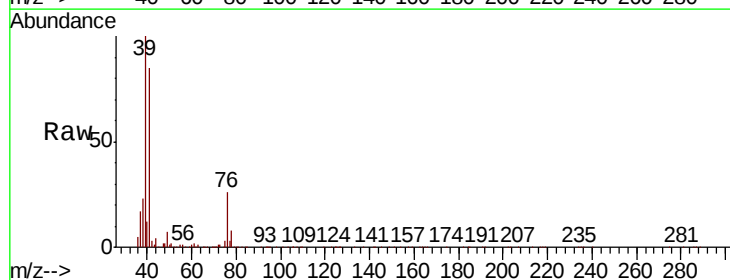
Tgt Ion: 41 Resp: 252345

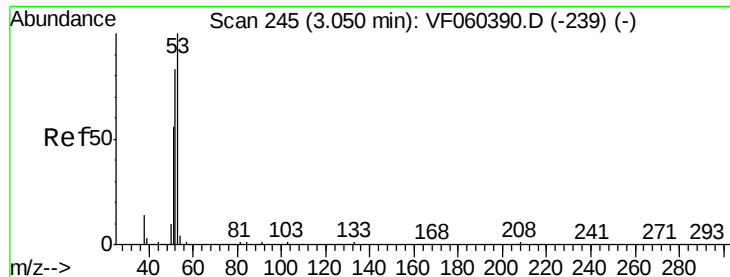
Ion Ratio Lower Upper

41 100

39 117.0 98.3 147.5

76 30.4 23.9 35.9





#15

Acrylonitrile

Concen: 289.619 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

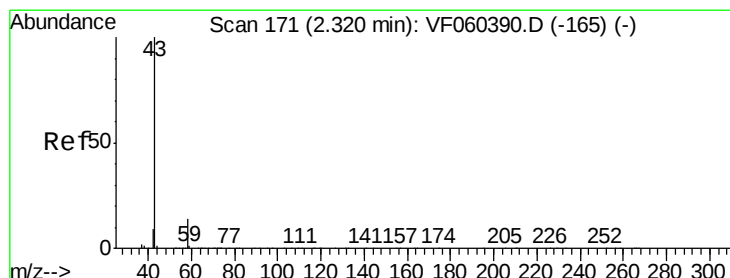
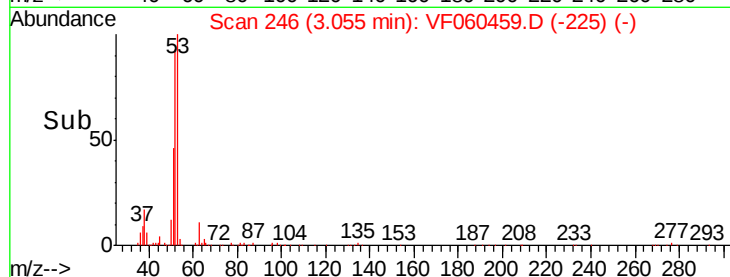
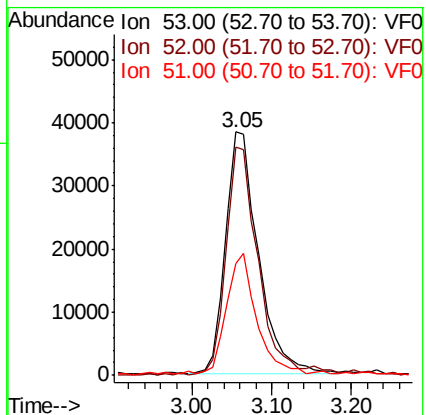
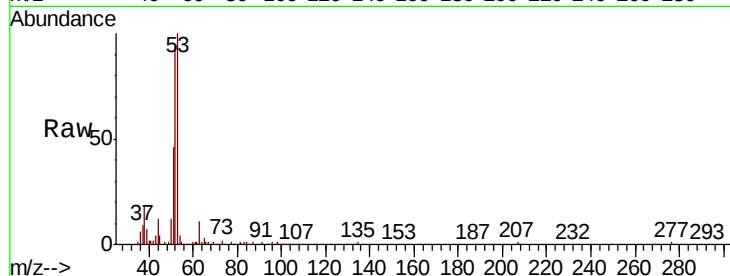
Tot Ion: 53 Resp: 111566

Ion Ratio Lower Upper

53 100

52 93.7 66.0 99.0

51 46.2 45.6 68.4



#16

Acetone

Concen: 340.843 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060459.D

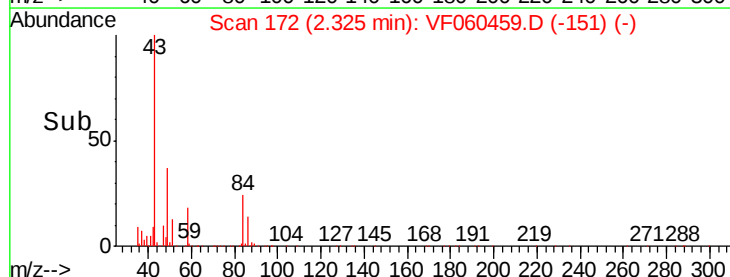
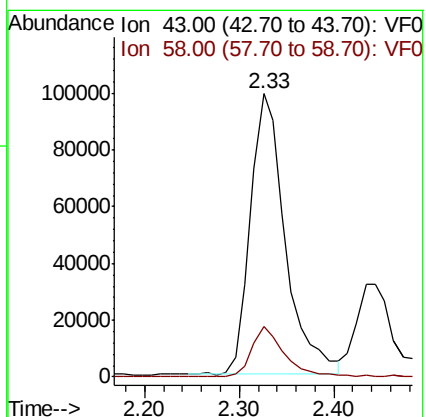
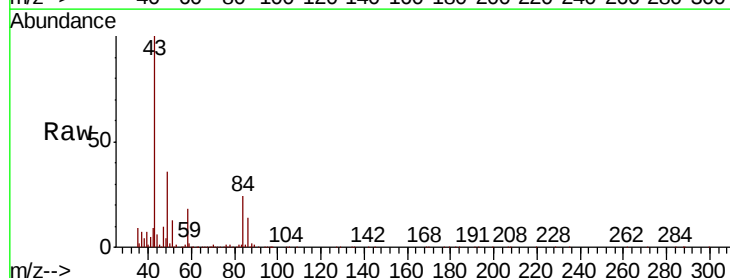
Acq: 5 Oct 2018 16:05

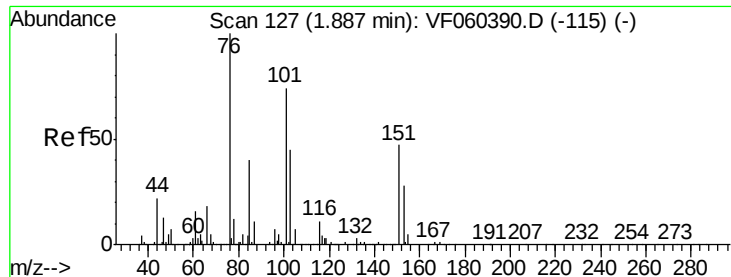
Tgt Ion: 43 Resp: 254343

Ion Ratio Lower Upper

43 100

58 17.9 11.2 16.8#





#17

Carbon Disulfide

Concen: 51.064 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

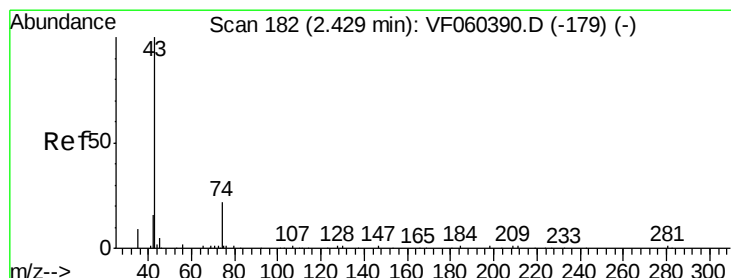
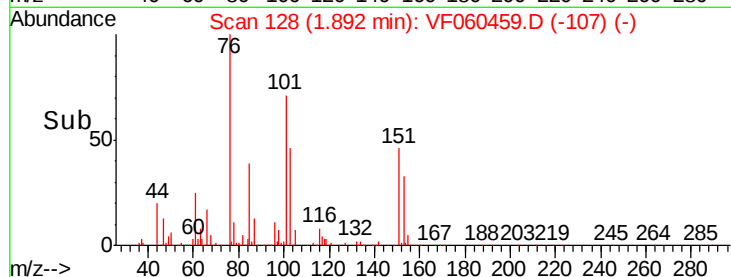
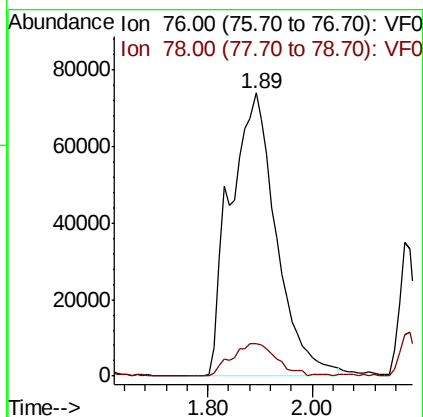
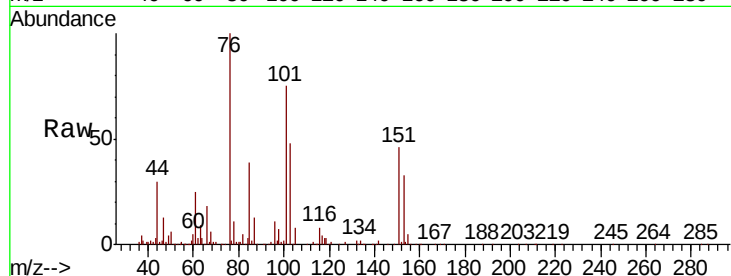
VSTDCCC050

Tot Ion: 76 Resp: 445497

Ion Ratio Lower Upper

76 100

78 11.5 10.1 15.1



#18

Methyl Acetate

Concen: 54.762 ug/l

RT: 2.43 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF060459.D

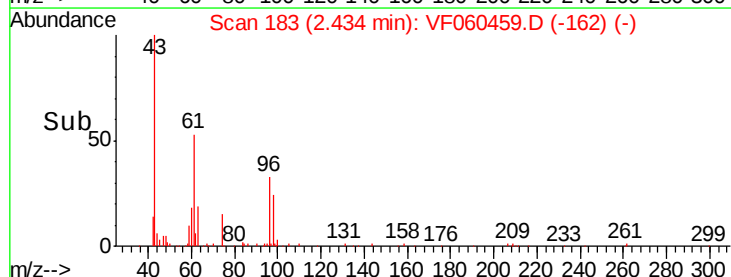
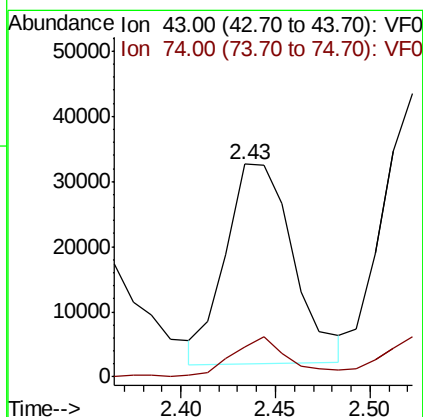
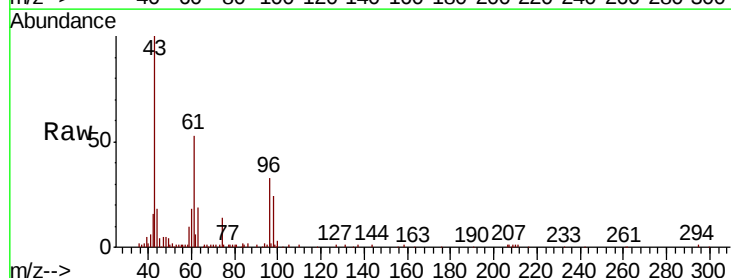
Acq: 5 Oct 2018 16:05

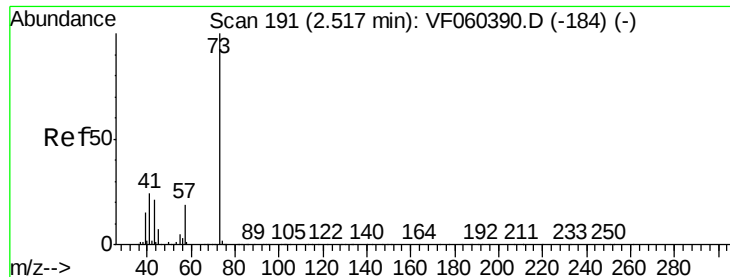
Tgt Ion: 43 Resp: 76258

Ion Ratio Lower Upper

43 100

74 14.3 15.8 23.8#

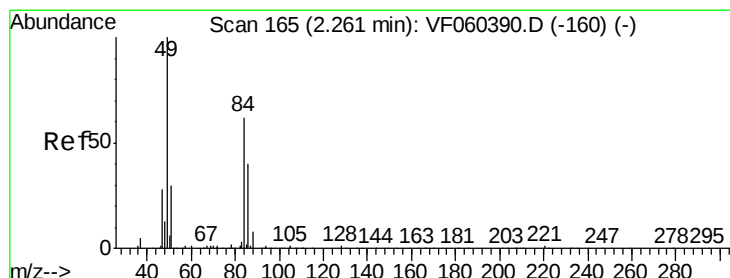
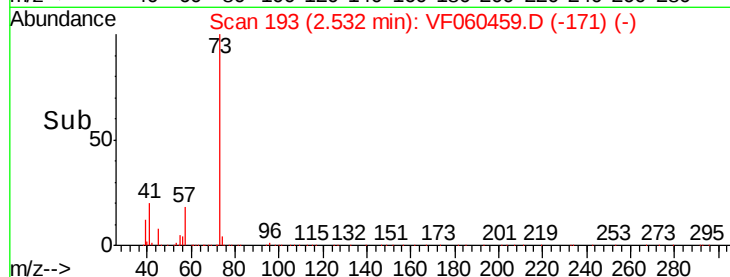
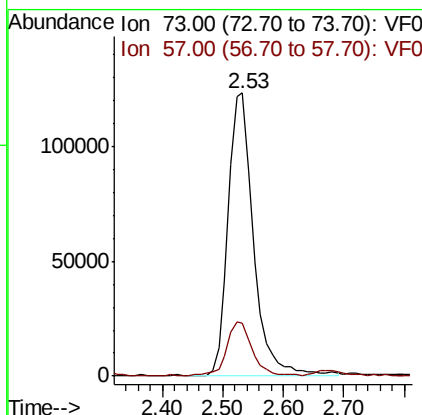
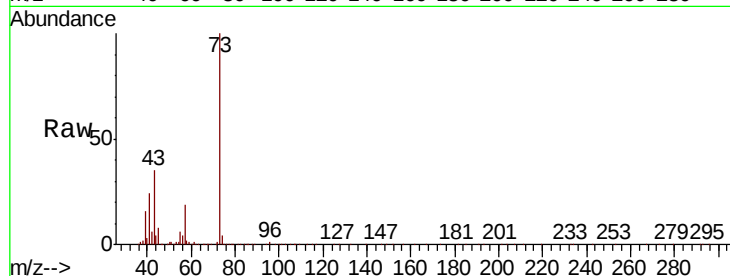




#19
Methyl tert-butyl Ether
Concen: 51.160 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

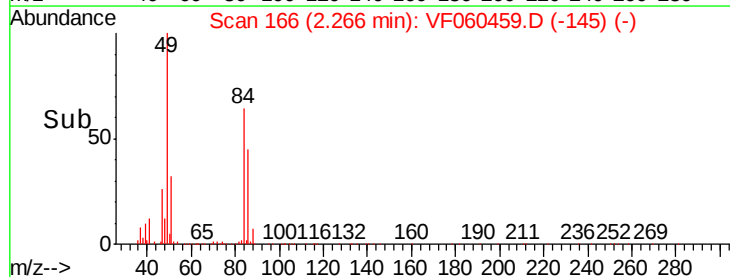
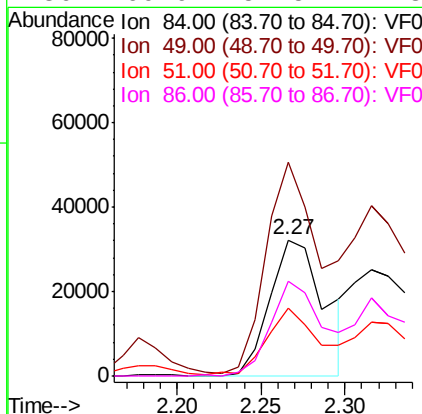
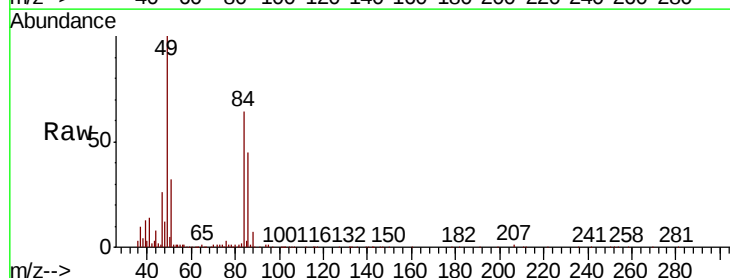
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

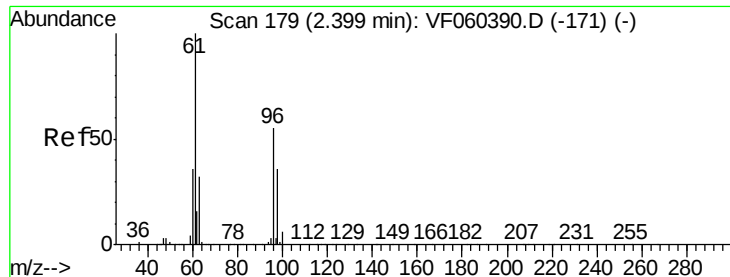
Tot Ion: 73 Resp: 359015
Ion Ratio Lower Upper
73 100
57 18.9 15.9 23.9



#20
Methylene Chloride
Concen: 23.958 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 84 Resp: 72859
Ion Ratio Lower Upper
84 100
49 157.1 130.2 195.2
51 50.3 41.0 61.6
86 69.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 53.704 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

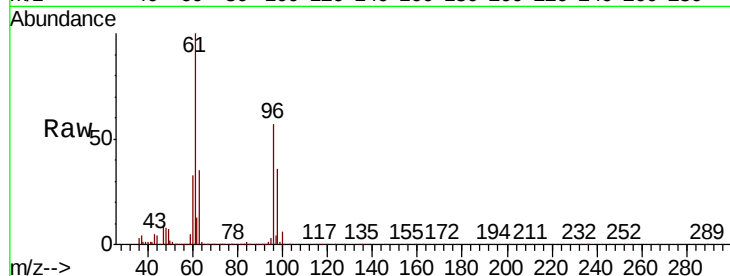
Tot Ion: 96 Resp: 154532

Ion Ratio Lower Upper

96 100

61 176.3 146.2 219.2

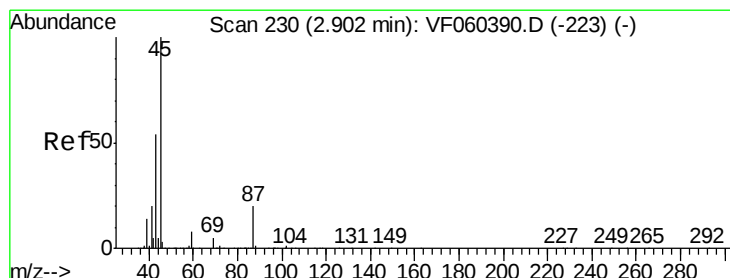
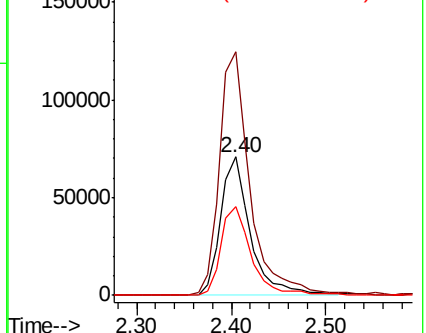
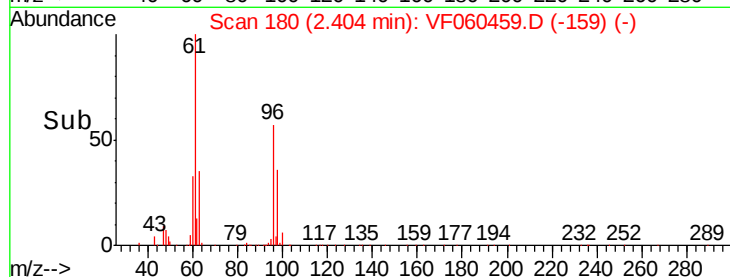
98 63.9 52.6 78.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 57.982 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion: 45 Resp: 485867

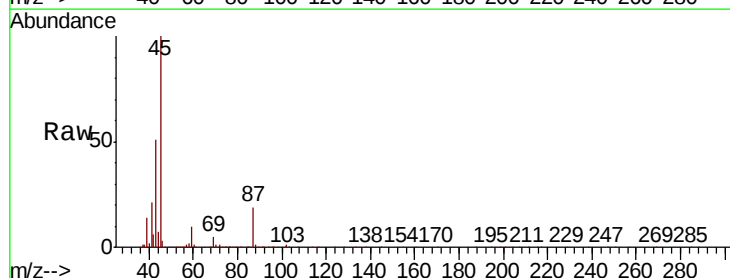
Ion Ratio Lower Upper

45 100

43 51.3 43.8 65.8

87 18.6 16.3 24.5

59 9.5 6.6 10.0

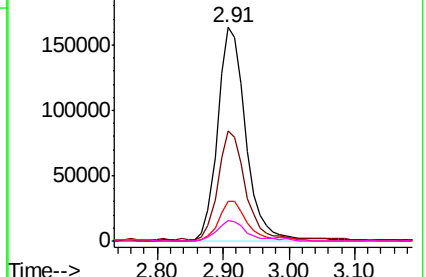
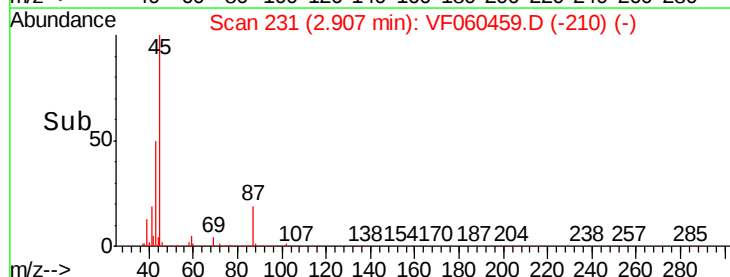


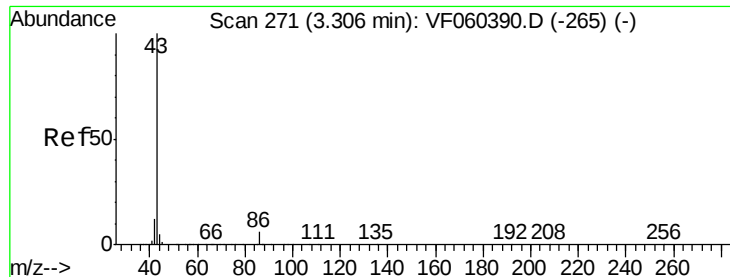
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 259.799 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

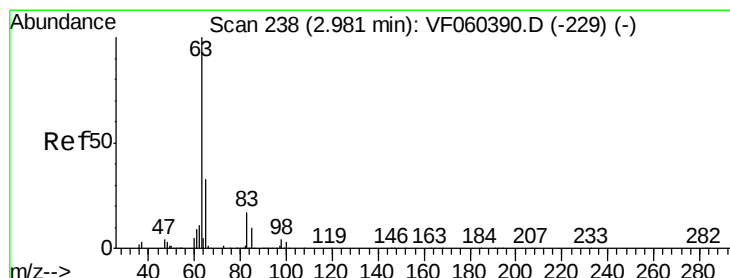
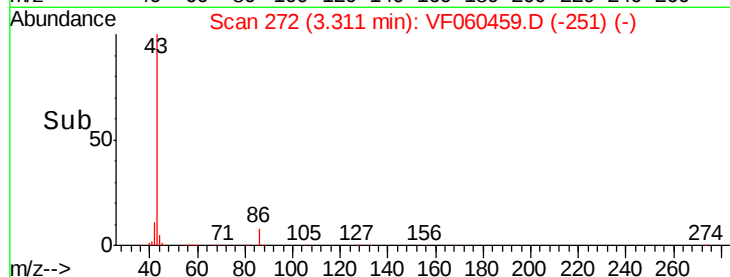
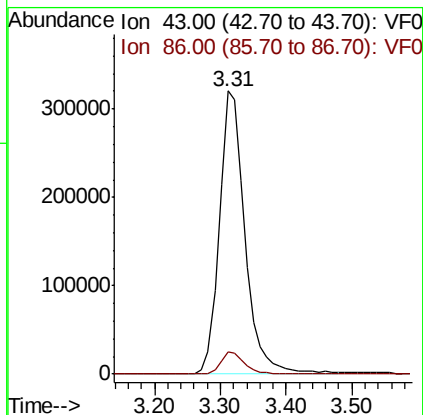
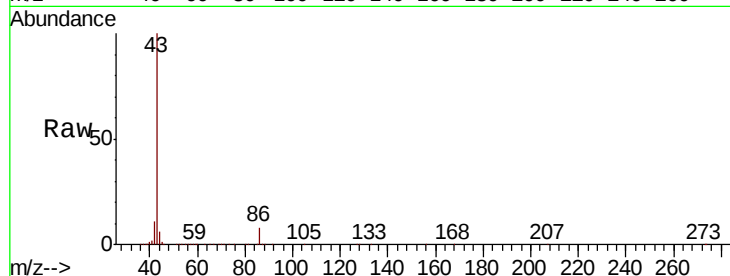
VSTDCCC050

Tot Ion: 43 Resp: 864783

Ion Ratio Lower Upper

43 100

86 7.8 5.1 7.7#



#24

1,1-Dichloroethane

Concen: 56.658 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

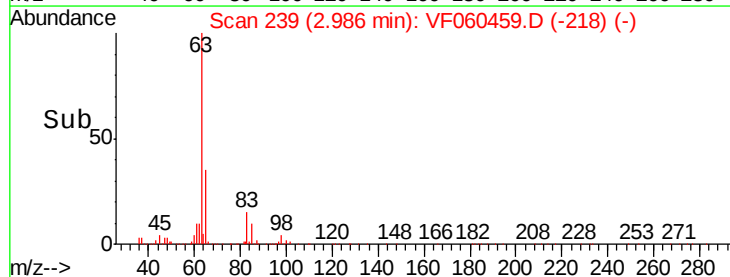
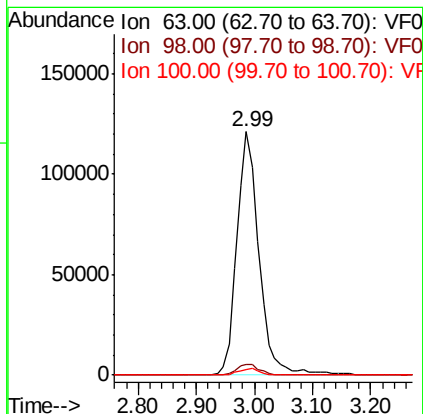
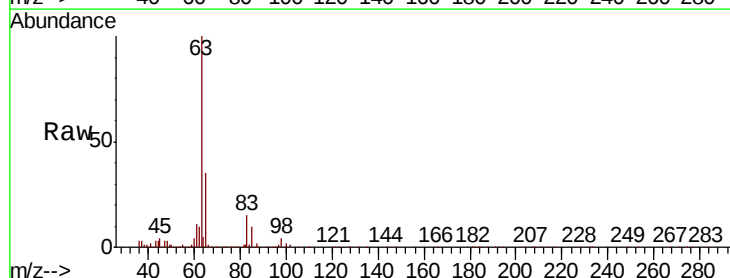
Tgt Ion: 63 Resp: 321059

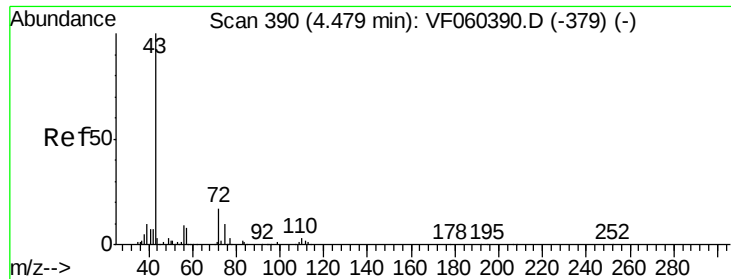
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.4 1.4 4.2





#25

2-Butanone

Concen: 254.296 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

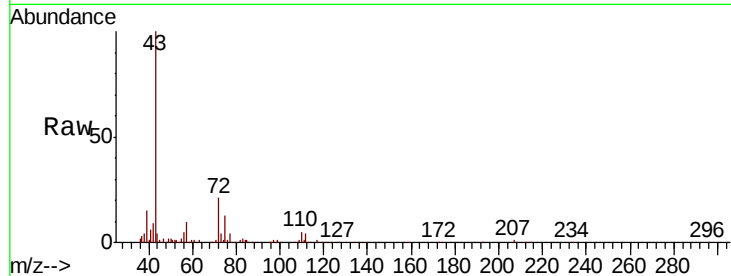
VSTDCCC050

Tot Ion: 43 Resp: 244728

Ion Ratio Lower Upper

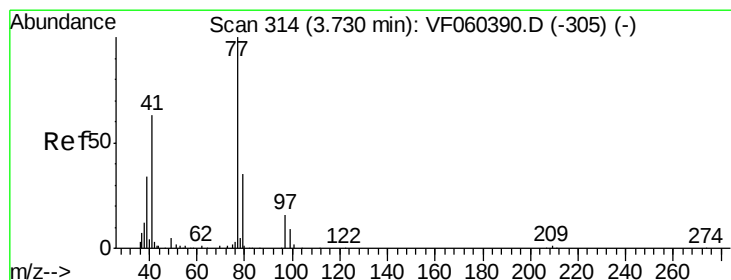
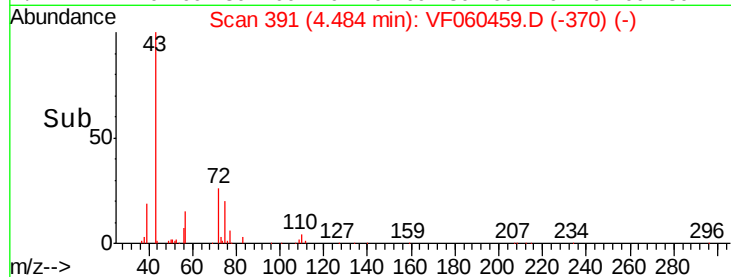
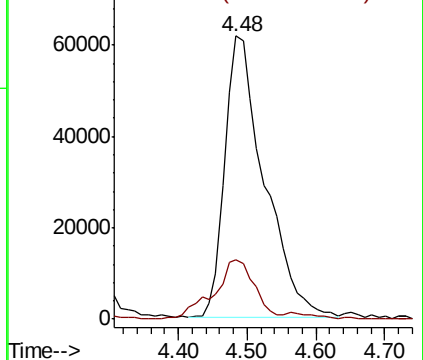
43 100

72 20.9 14.1 21.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 56.870 ug/l

RT: 3.74 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF060459.D

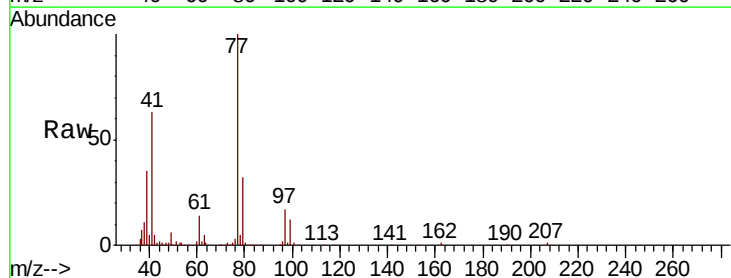
Acq: 5 Oct 2018 16:05

Tgt Ion: 77 Resp: 182522

Ion Ratio Lower Upper

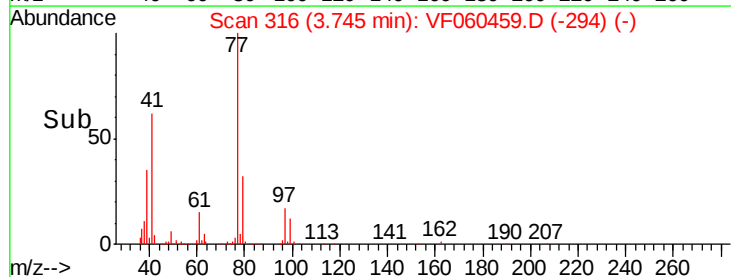
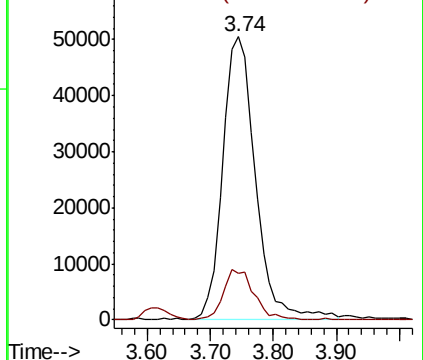
77 100

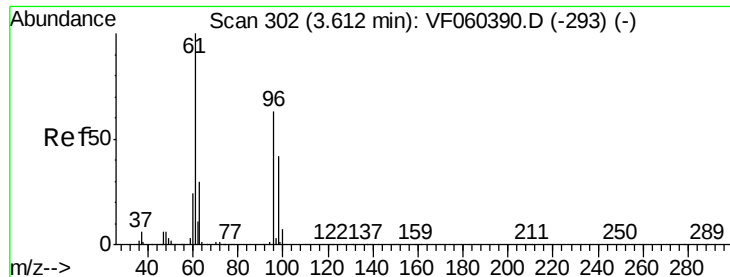
97 16.6 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



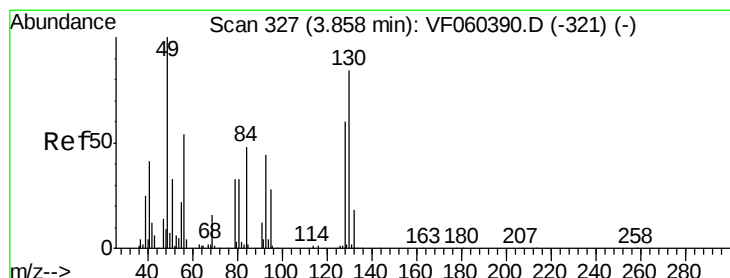
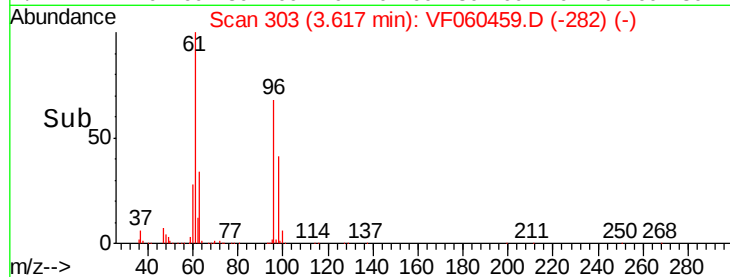
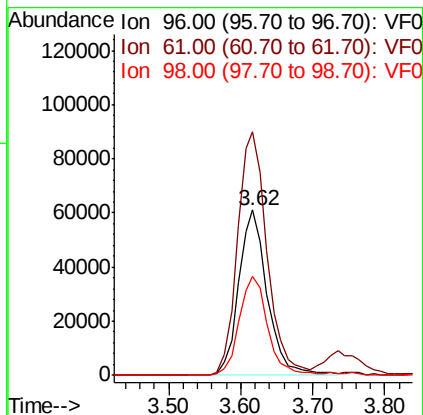
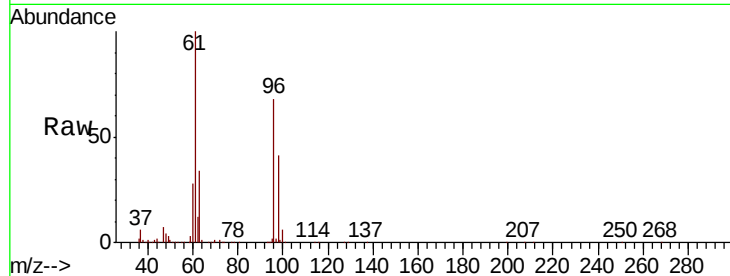


#27

cis-1,2-Dichloroethene
Concen: 52.590 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

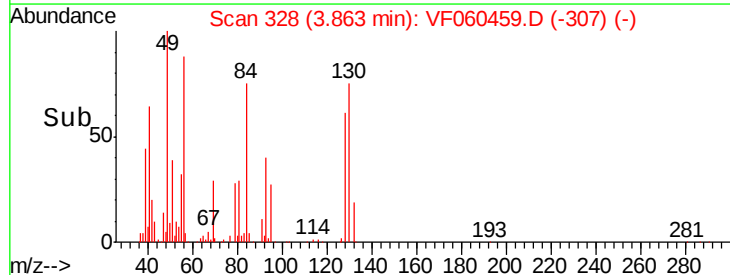
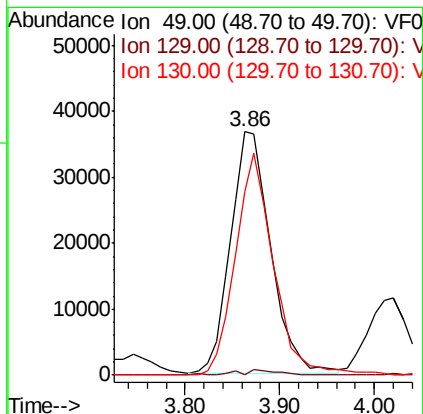
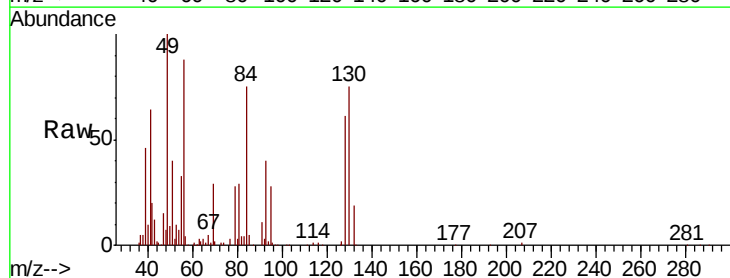
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	318.2
98	60.3	0.0	134.0

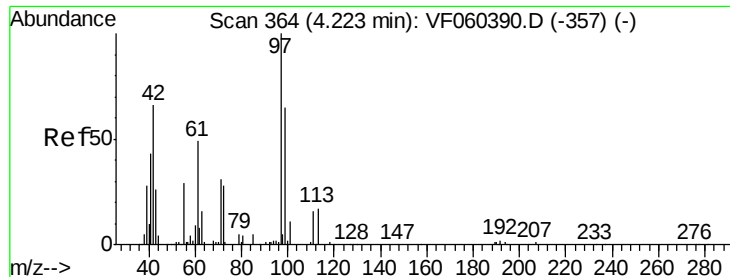


#28

Bromochloromethane
Concen: 51.711 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	75.2	67.3	100.9





#29

Tetrahydrofuran

Concen: 282.963 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

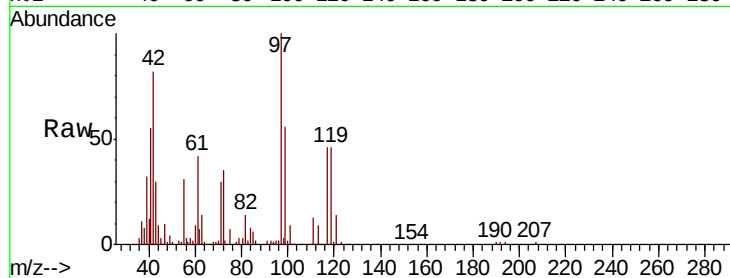
Tot Ion: 42 Resp: 102363

Ion Ratio Lower Upper

42 100

72 40.0 33.6 50.4

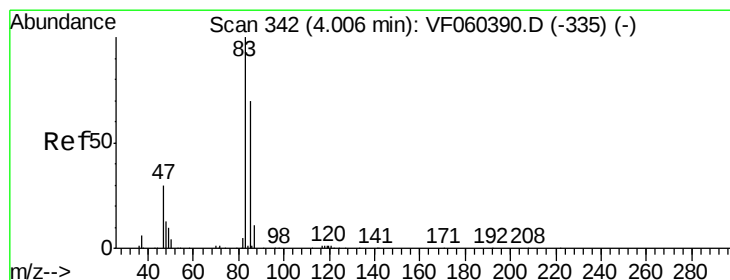
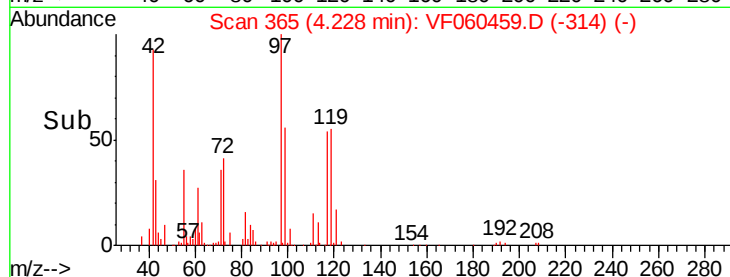
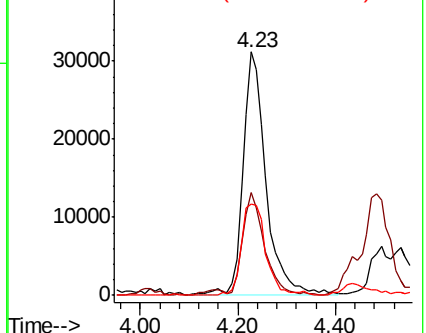
71 39.7 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 52.367 ug/l

RT: 4.01 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF060459.D

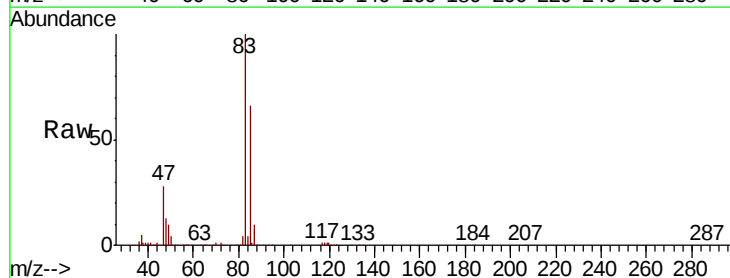
Acq: 5 Oct 2018 16:05

Tgt Ion: 83 Resp: 366167

Ion Ratio Lower Upper

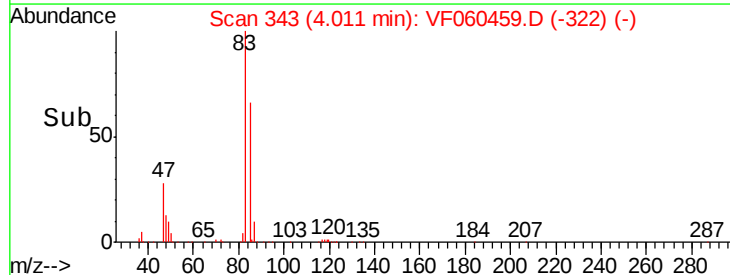
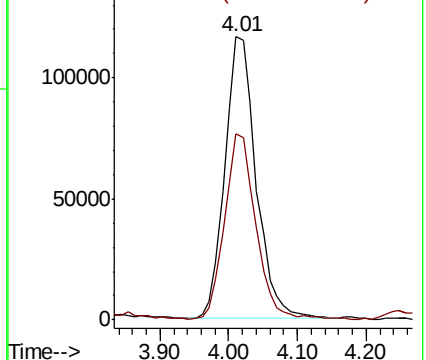
83 100

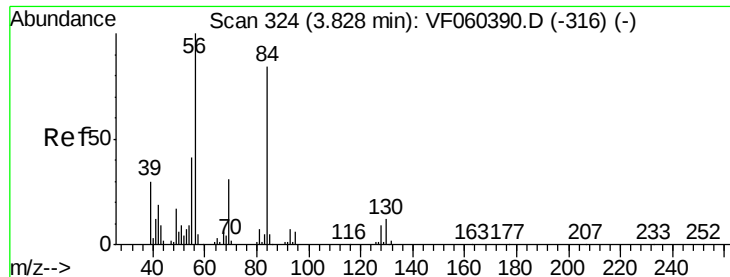
85 65.9 55.9 83.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

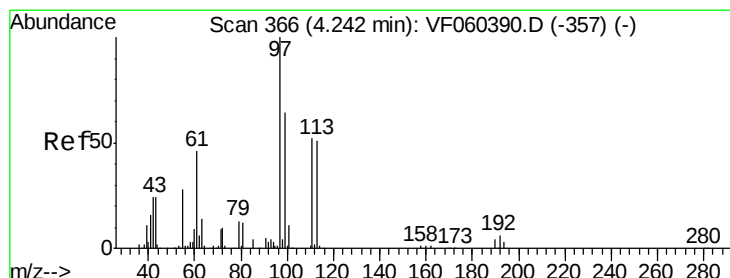
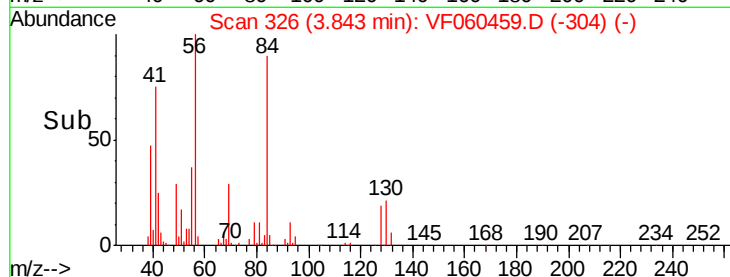
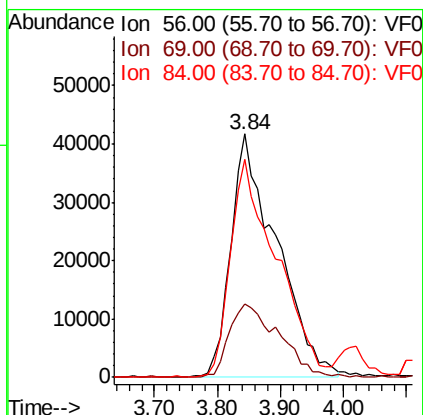
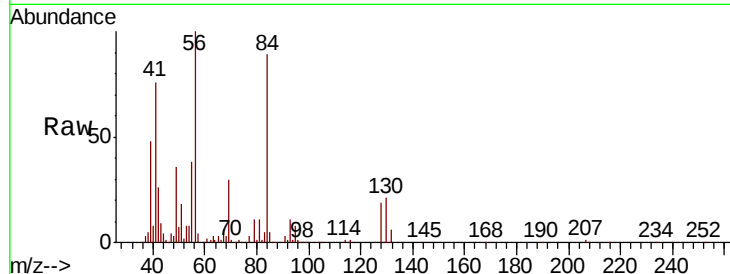




#31
Cyclohexane
Concen: 51.204 ug/l
RT: 3.84 min Scan# 326
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

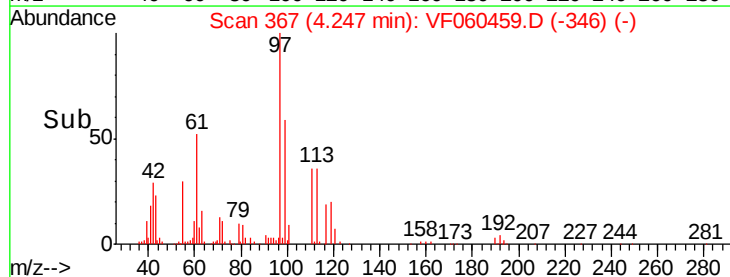
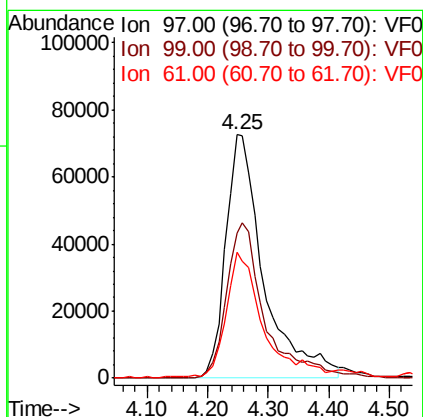
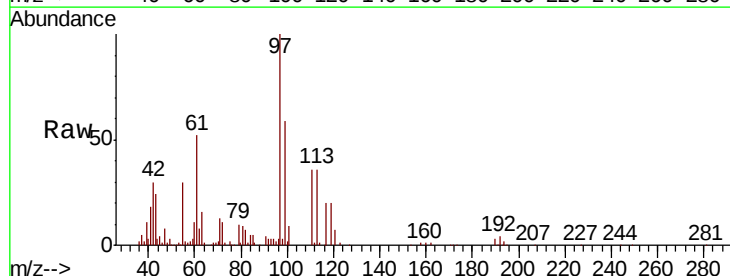
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

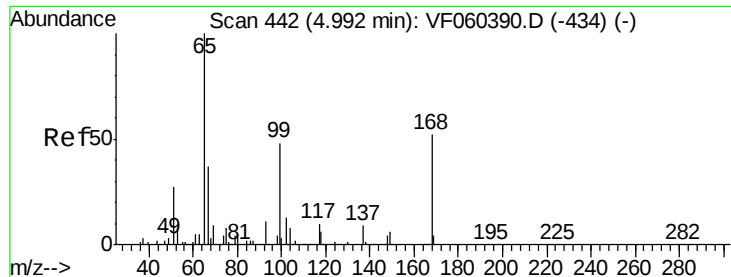
Tot Ion: 56 Resp: 208352
Ion Ratio Lower Upper
56 100
69 29.9 25.5 38.3
84 89.3 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 54.501 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 97 Resp: 317118
Ion Ratio Lower Upper
97 100
99 59.5 51.0 76.4
61 51.7 37.5 56.3

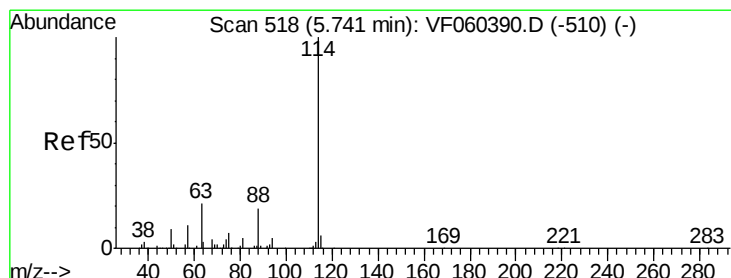
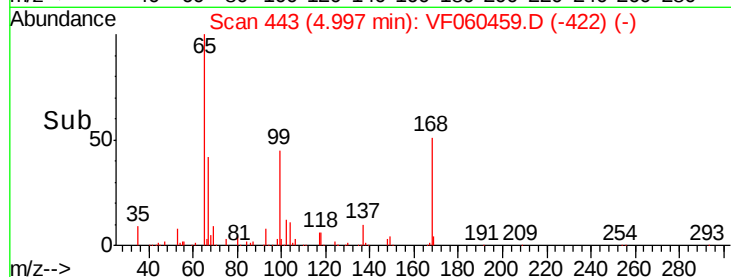
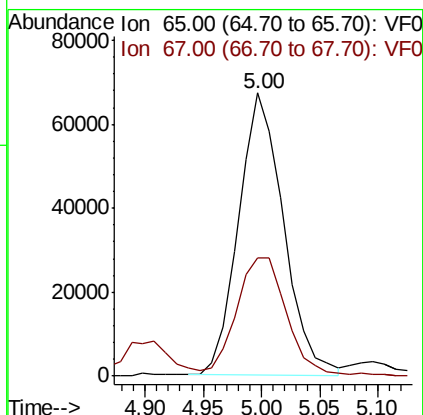
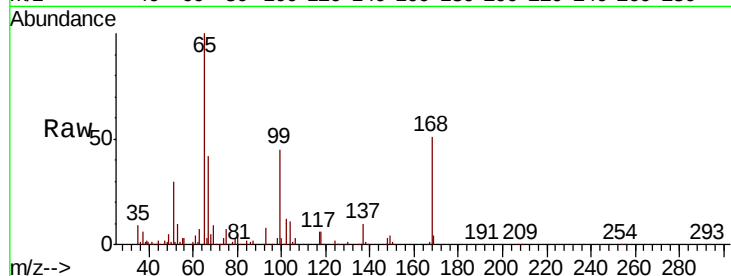




#33
 1,2-Dichloroethane-d4
 Concen: 48.343 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

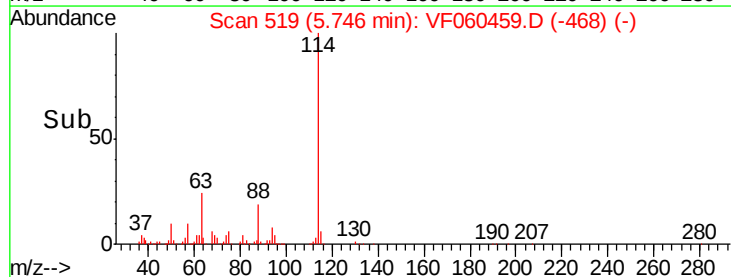
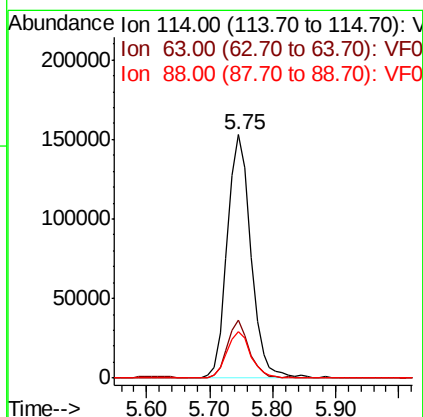
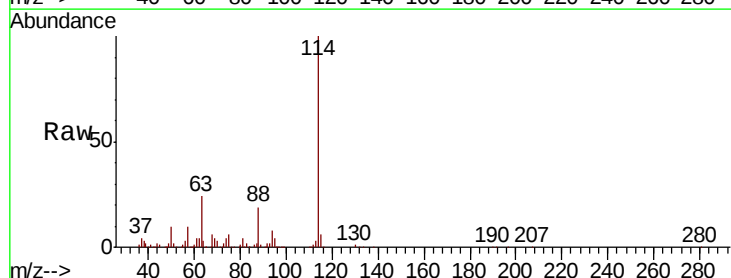
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

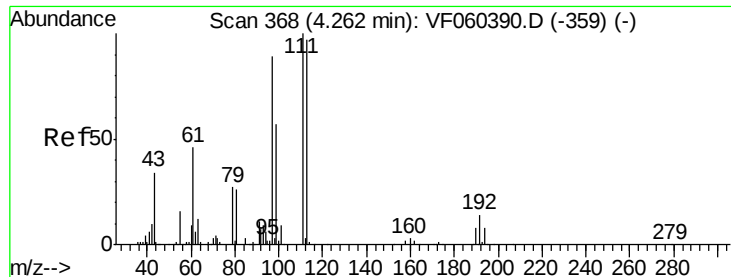
Tot Ion: 65 Resp: 179678
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion: 114 Resp: 398944
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 42.2
 88 19.1 0.0 38.8

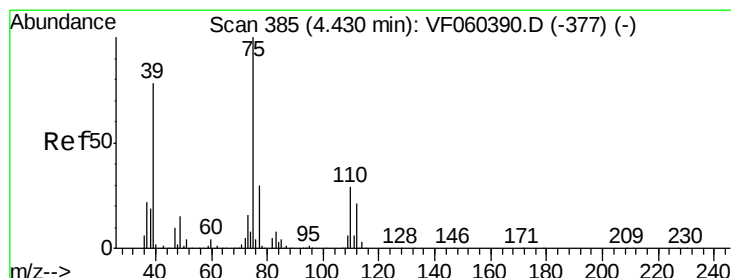
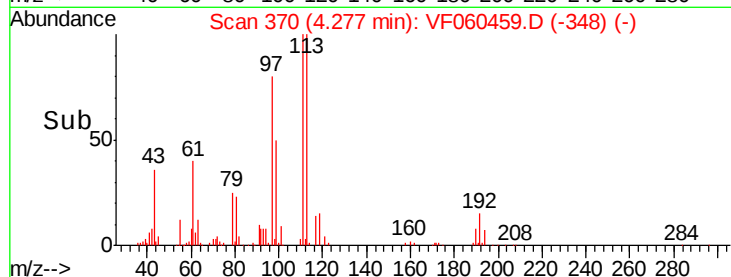
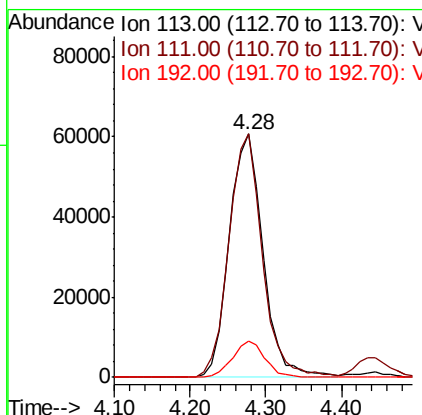
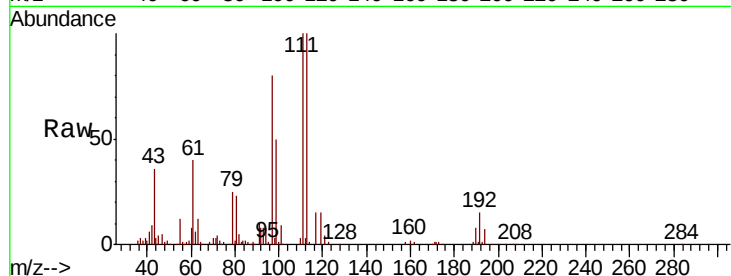




#35
 Dibromofluoromethane
 Concen: 49.994 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

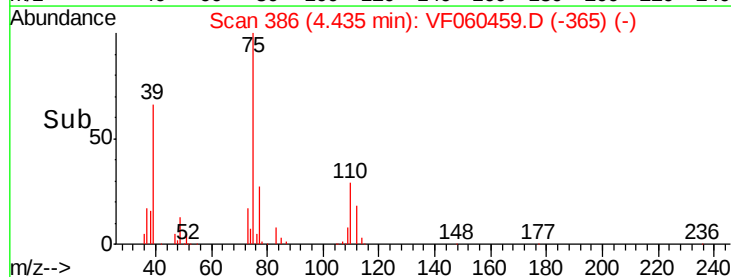
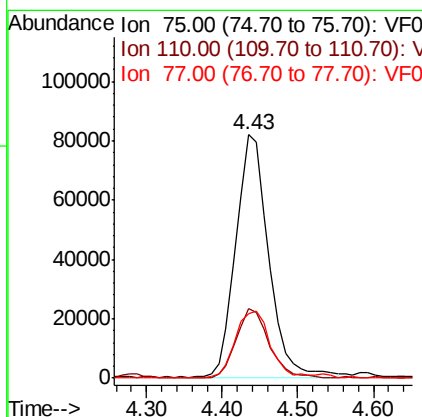
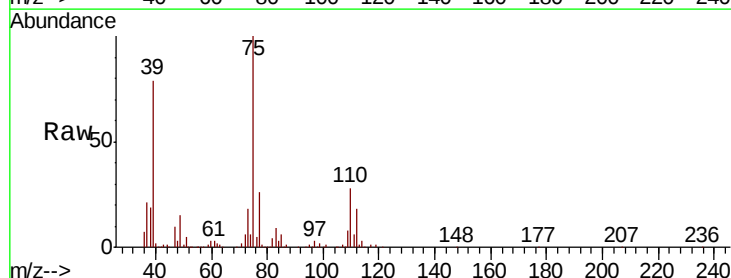
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

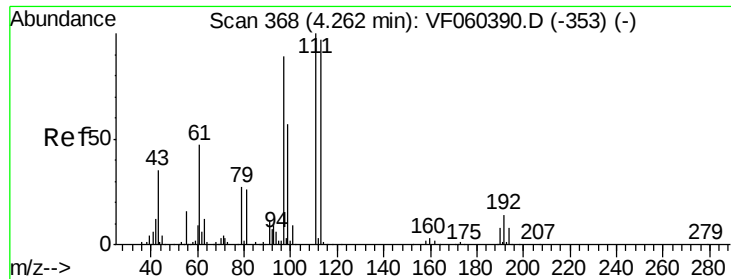
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.3	123.5
192	15.0	11.8	17.6



#36
 1,1-Dichloropropene
 Concen: 50.685 ug/l
 RT: 4.43 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.4	14.5	43.6
77	26.5	24.3	36.5

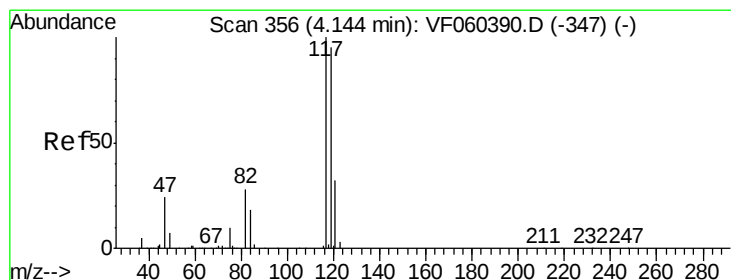
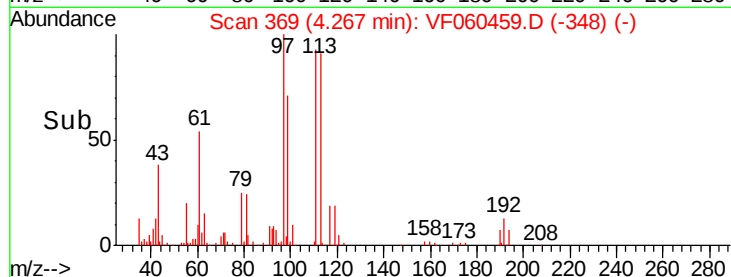
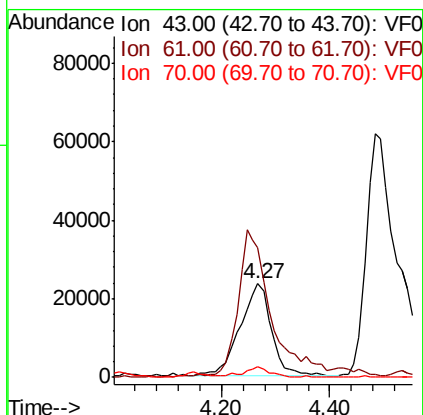
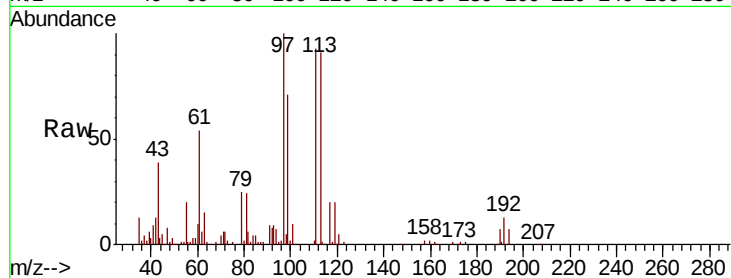




#37
Ethyl Acetate
Concen: 49.262 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

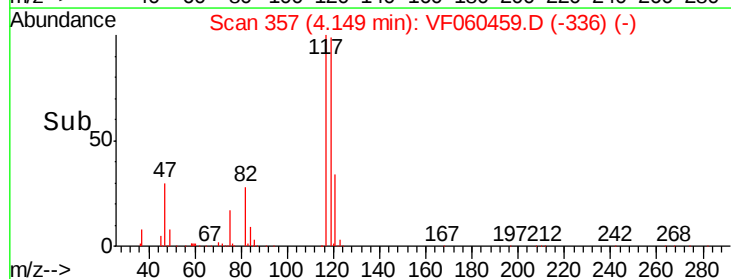
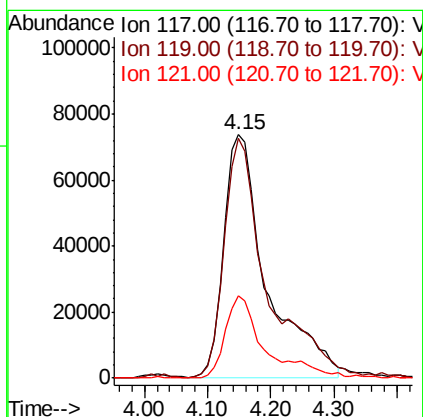
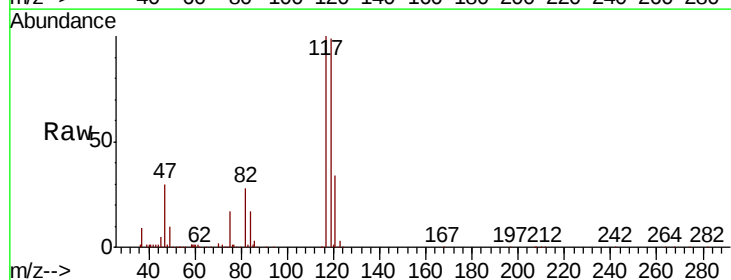
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

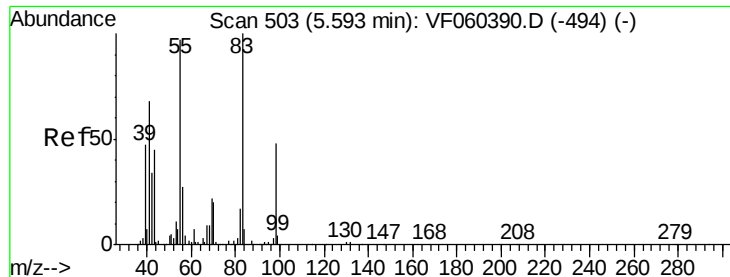
Tot Ion: 43 Resp: 92787
Ion Ratio Lower Upper
43 100
61 139.2 105.1 157.7
70 11.1 8.0 12.0



#38
Carbon Tetrachloride
Concen: 58.609 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 117 Resp: 350905
Ion Ratio Lower Upper
117 100
119 98.6 75.5 113.3
121 33.8 25.4 38.0





#39

Methylcyclohexane

Concen: 51.473 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

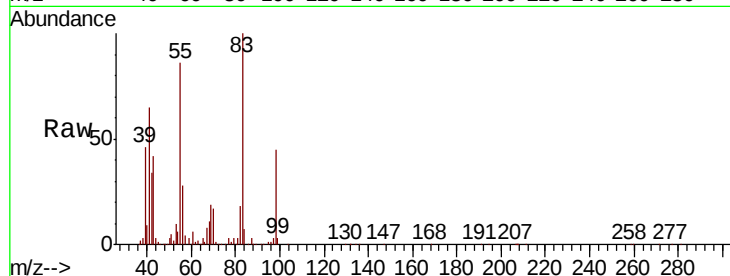
Tot Ion: 83 Resp: 248203

Ion Ratio Lower Upper

83 100

55 86.4 77.5 116.3

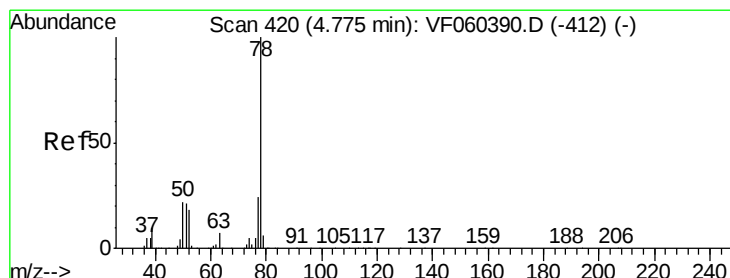
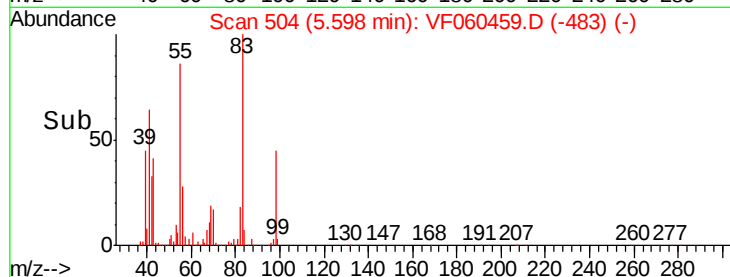
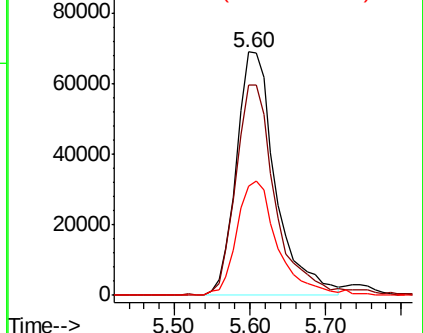
98 45.0 38.7 58.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 51.570 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.01 min

Lab File: VF060459.D

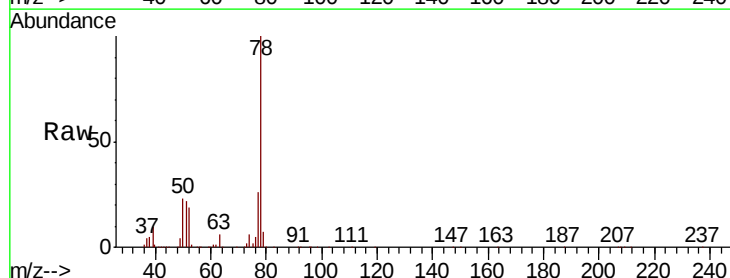
Acq: 5 Oct 2018 16:05

Tgt Ion: 78 Resp: 503551

Ion Ratio Lower Upper

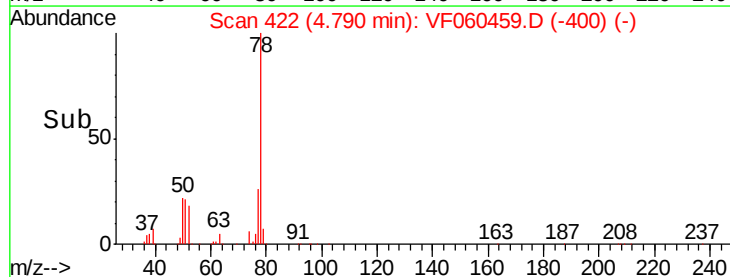
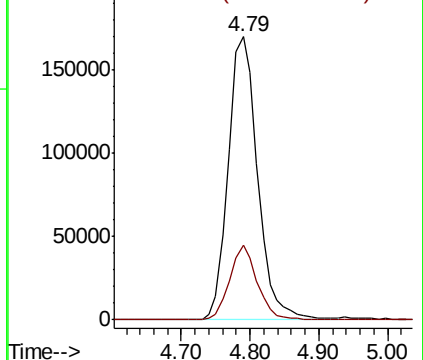
78 100

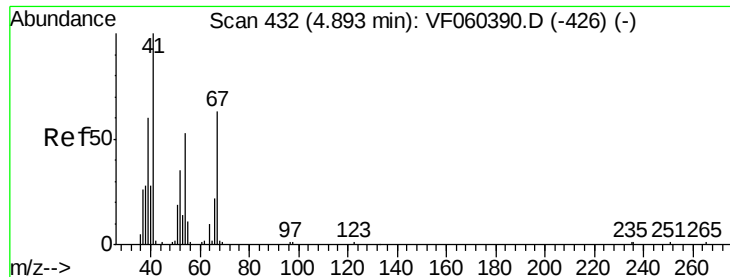
77 26.5 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

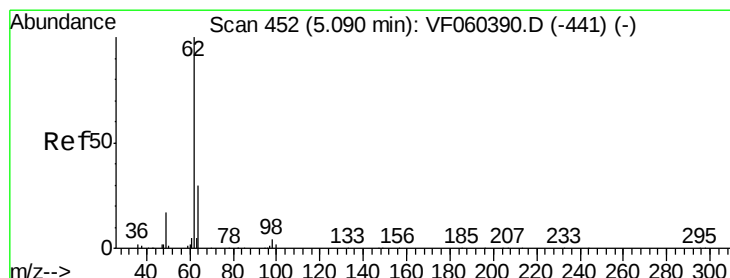
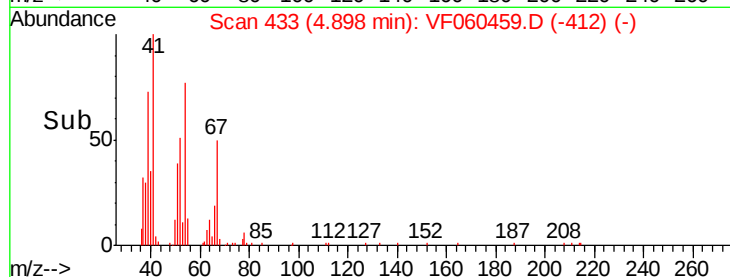
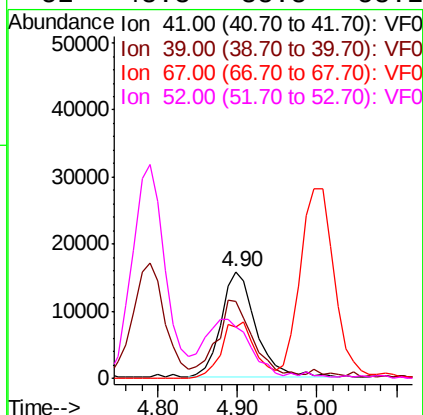
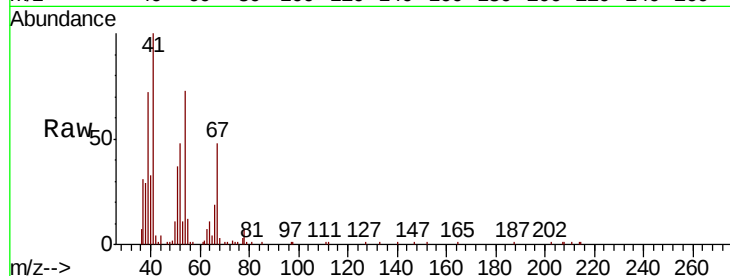




#41
Methacrylonitrile
Concen: 48.018 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

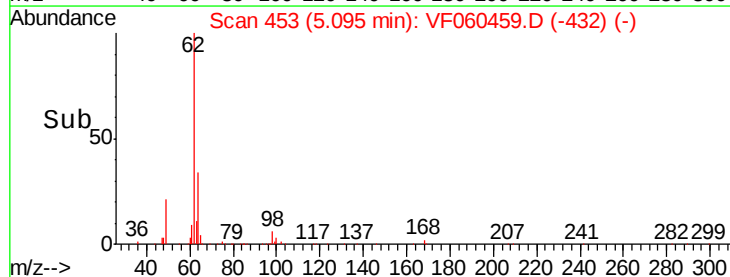
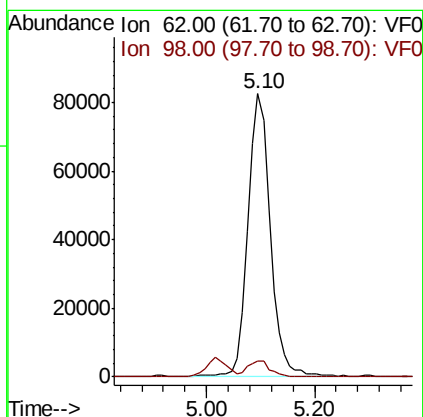
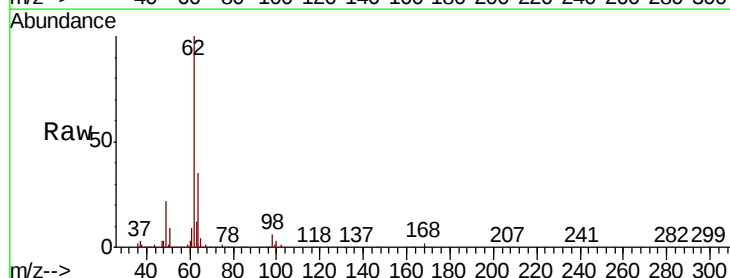
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

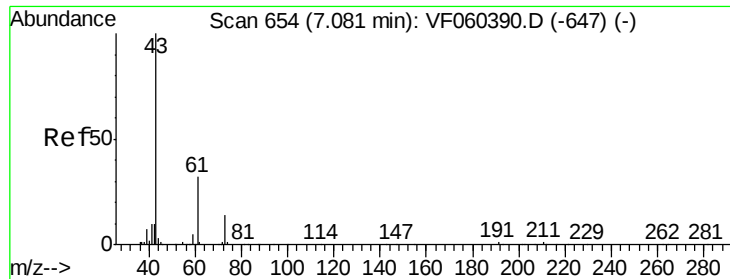
Tot Ion:	41	Resp:	47956
Ion	Ratio	Lower	Upper
41	100		
39	71.7	55.0	82.4
67	48.3	49.6	74.4#
52	48.3	38.8	58.2



#42
1,2-Dichloroethane
Concen: 50.994 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion:	62	Resp:	237550
Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	11.2



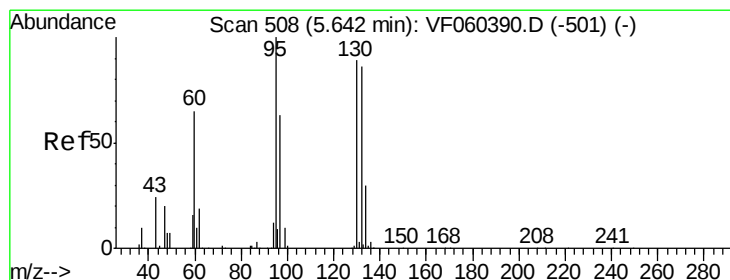
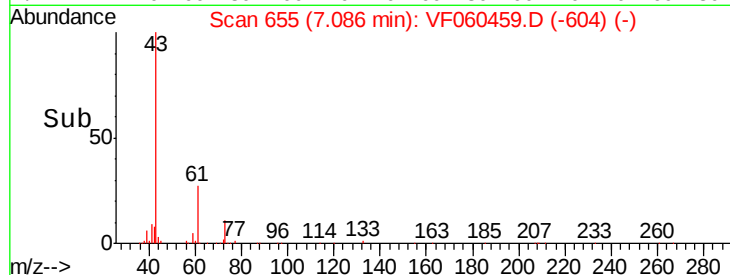
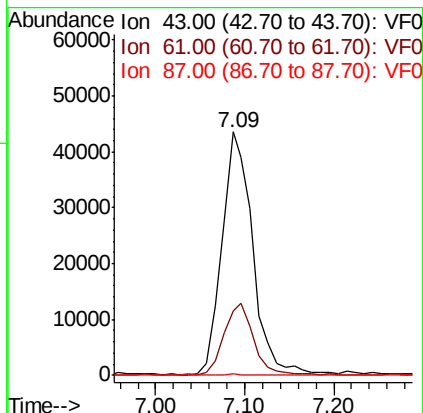
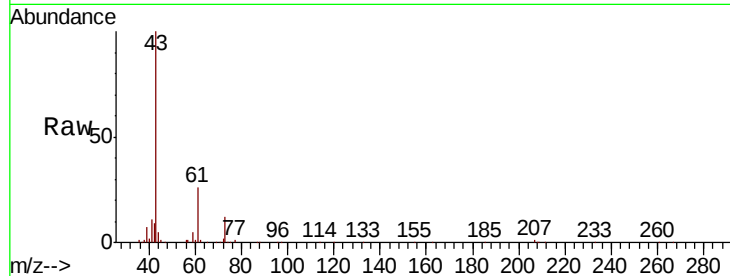


#43

Isopropyl Acetate
 Concen: 46.204 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

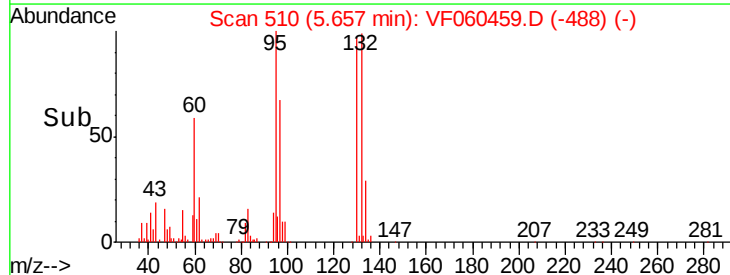
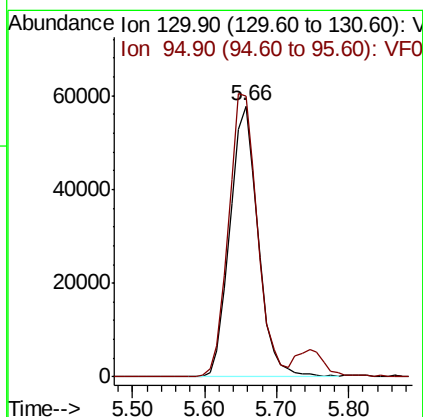
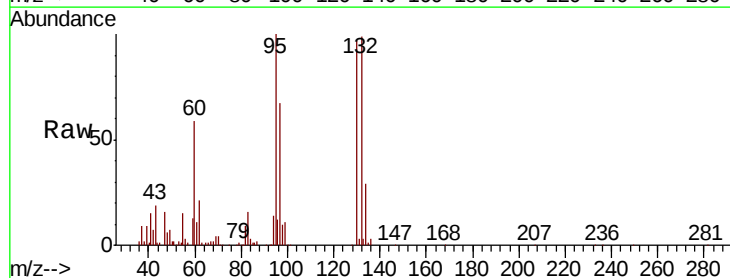
Tot Ion: 43 Resp: 105171
 Ion Ratio Lower Upper
 43 100
 61 26.4 25.4 38.2
 87 0.4 0.3 0.5

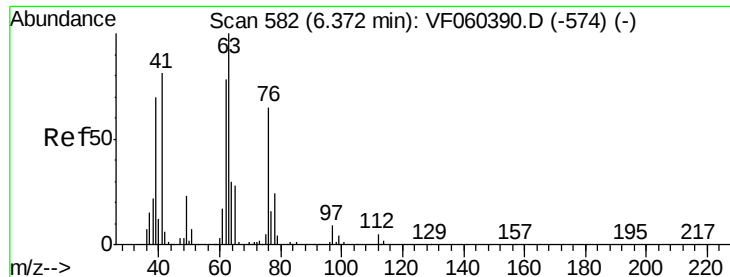


#44

Trichloroethene
 Concen: 50.435 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion:130 Resp: 158015
 Ion Ratio Lower Upper
 130 100
 95 103.3 0.0 224.4





#45

1,2-Dichloropropane

Concen: 49.128 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

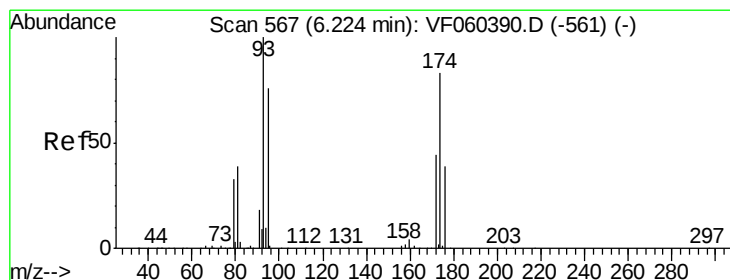
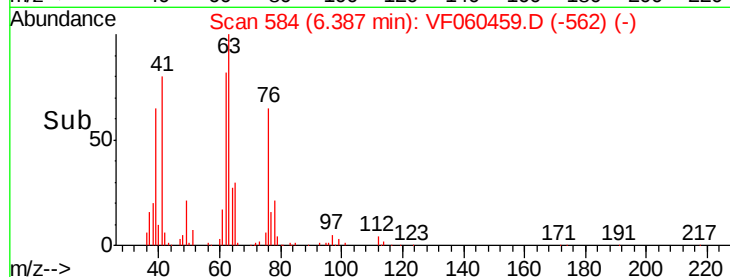
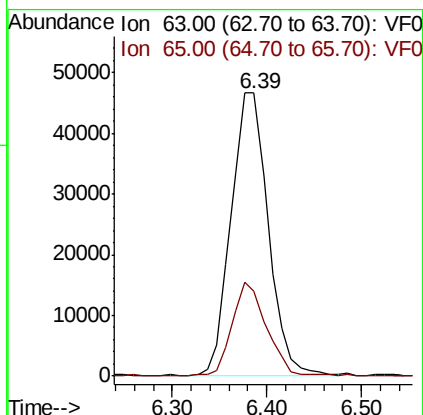
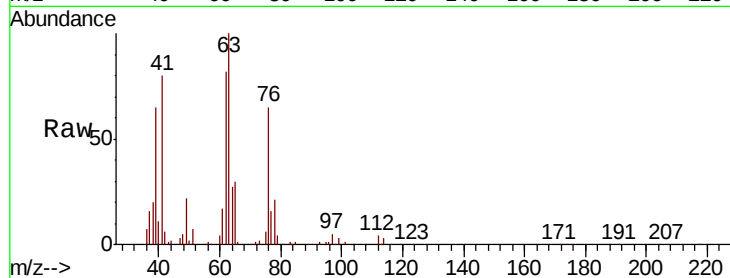
VSTDCCC050

Tot Ion: 63 Resp: 127752

Ion Ratio Lower Upper

63 100

65 30.1 22.7 34.1



#46

Dibromomethane

Concen: 48.392 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

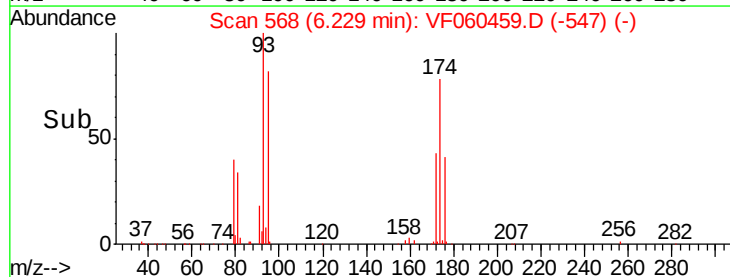
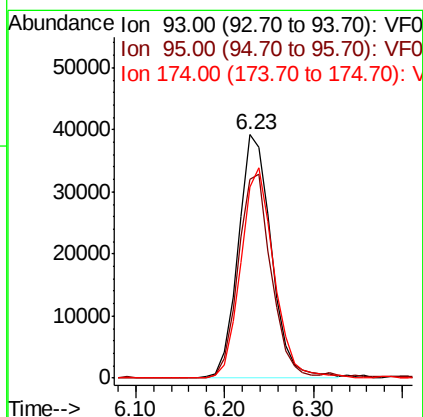
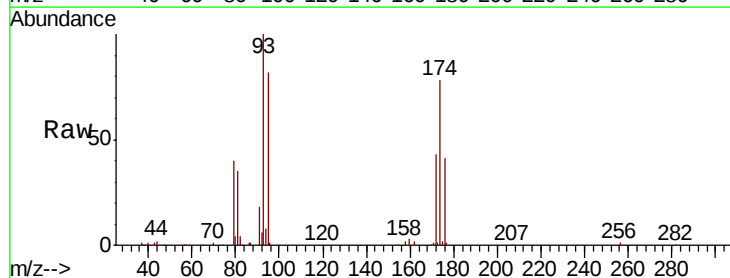
Tgt Ion: 93 Resp: 101173

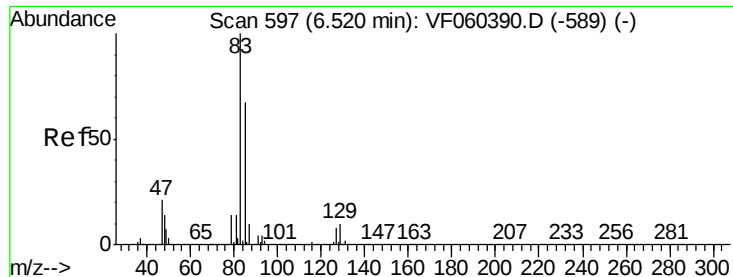
Ion Ratio Lower Upper

93 100

95 81.7 61.1 91.7

174 78.4 66.7 100.1





#47

Bromodichloromethane

Concen: 50.682 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

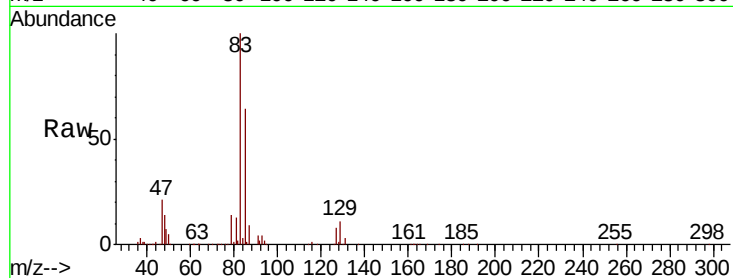
Tot Ion: 83 Resp: 262429

Ion Ratio Lower Upper

83 100

85 64.0 53.2 79.8

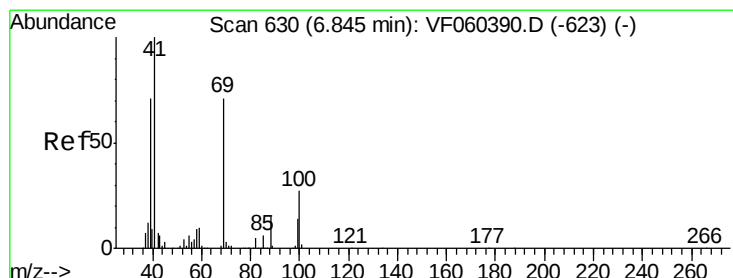
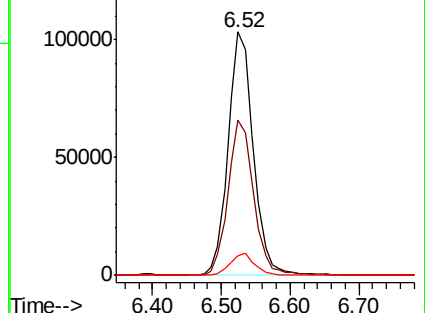
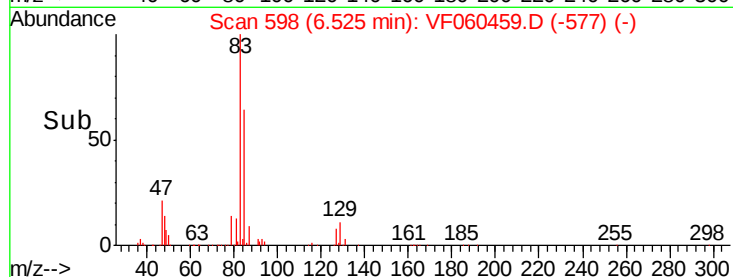
127 8.0 6.6 9.8



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: 46.591 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

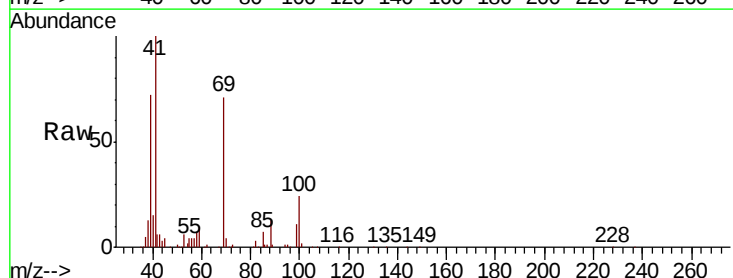
Tgt Ion: 41 Resp: 76127

Ion Ratio Lower Upper

41 100

69 70.7 56.3 84.5

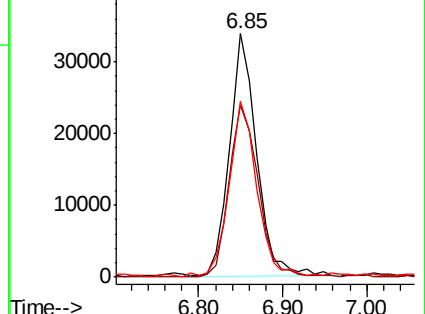
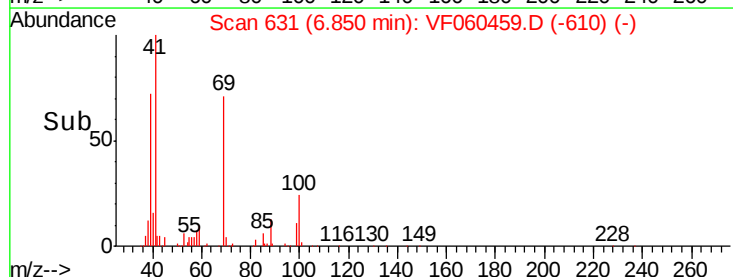
39 72.2 56.9 85.3

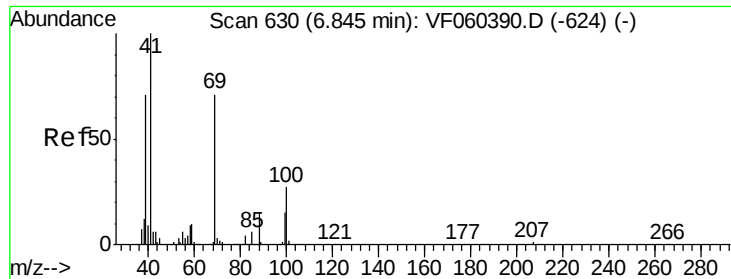


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

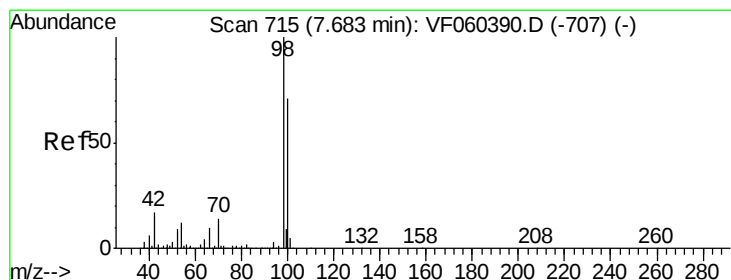
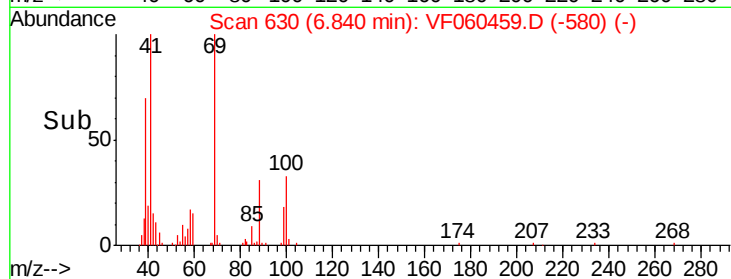
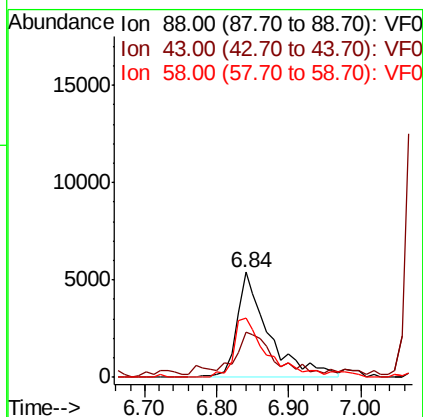
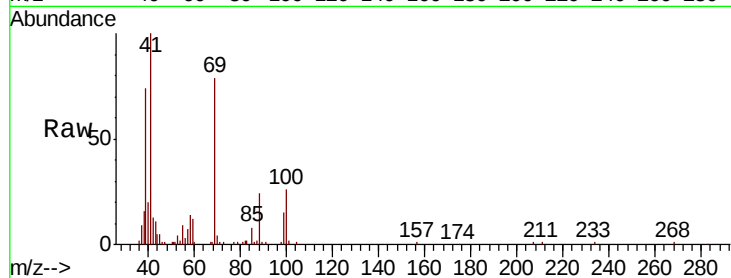




#49
1,4-Dioxane
Concen: 1171.469 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

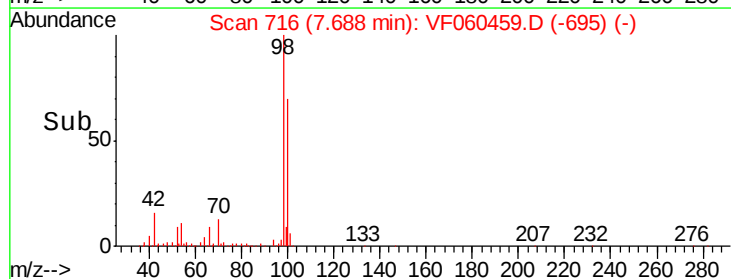
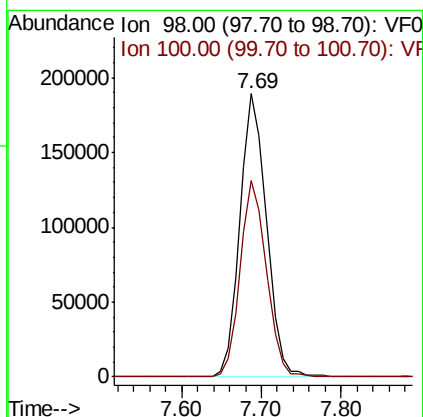
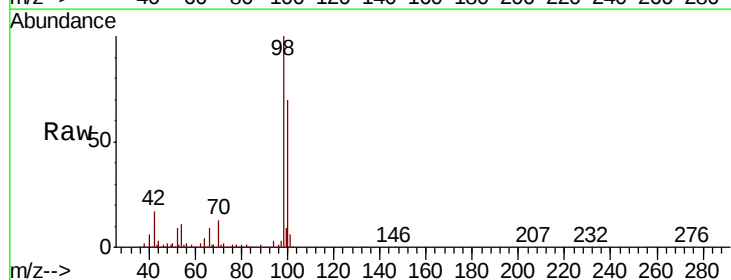
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

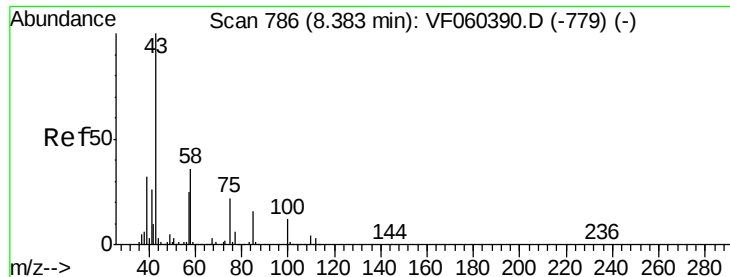
Tot Ion: 88 Resp: 16504
Ion Ratio Lower Upper
88 100
43 43.2 38.3 57.5
58 56.9 47.4 71.2



#50
Toluene-d8
Concen: 47.433 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 98 Resp: 437816
Ion Ratio Lower Upper
98 100
100 69.5 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 240.026 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

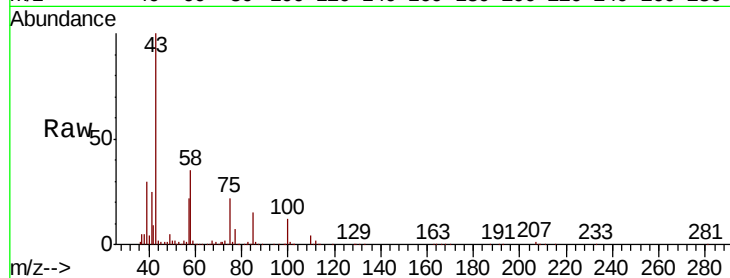
VSTDCCC050

Tot Ion: 43 Resp: 388919

Ion Ratio Lower Upper

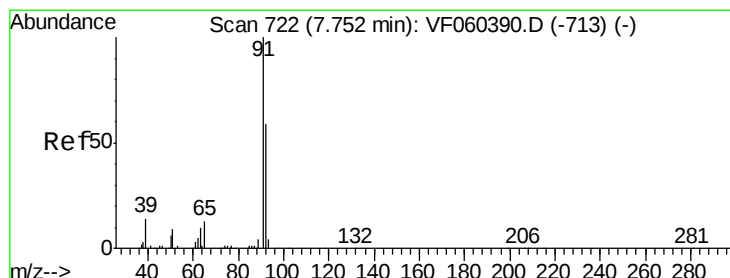
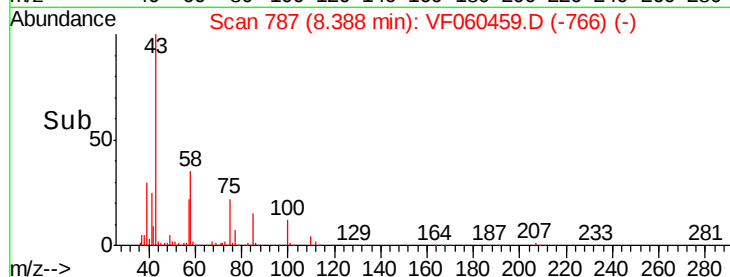
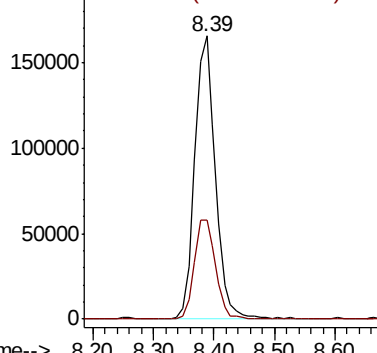
43 100

58 35.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.638 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060459.D

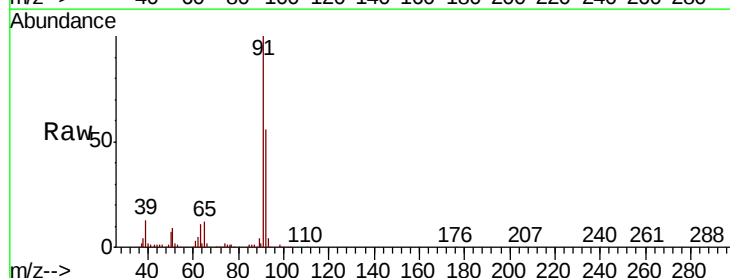
Acq: 5 Oct 2018 16:05

Tgt Ion: 92 Resp: 302682

Ion Ratio Lower Upper

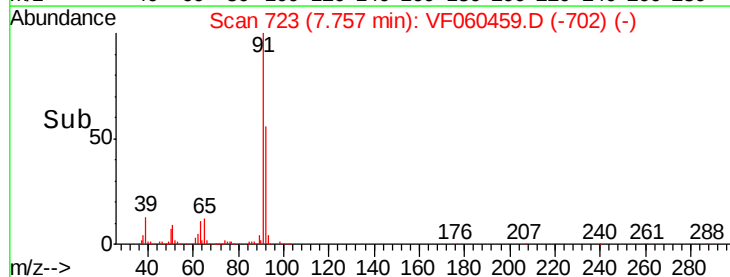
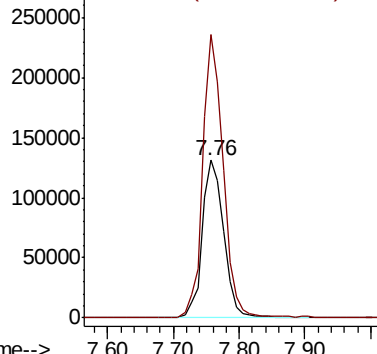
92 100

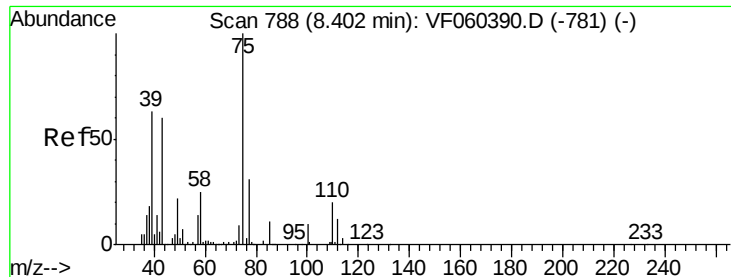
91 179.5 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.858 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

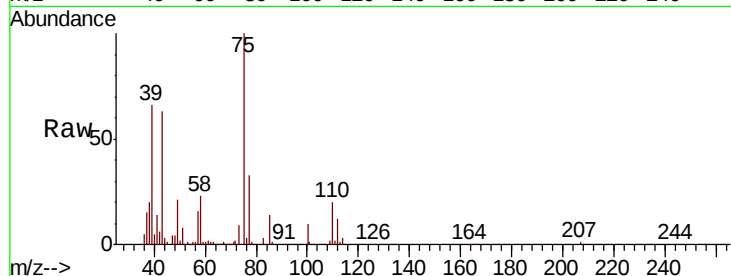
VSTDCCC050

Tot Ion: 75 Resp: 194204

Ion Ratio Lower Upper

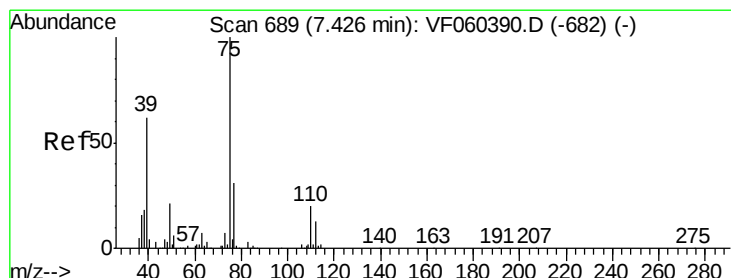
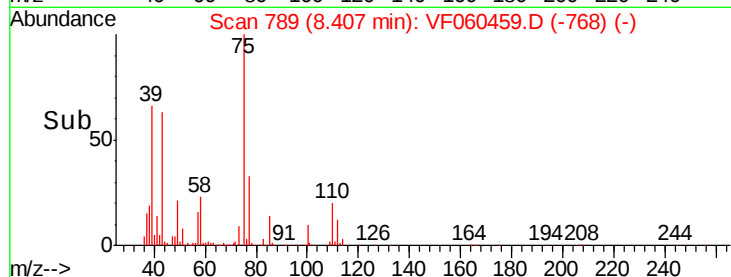
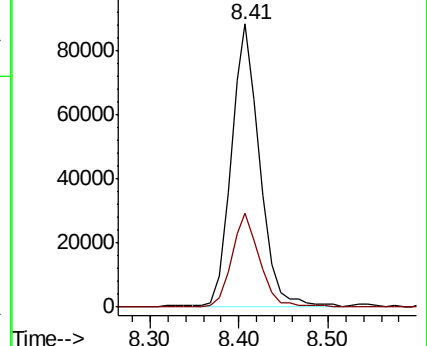
75 100

77 33.0 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 50.154 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

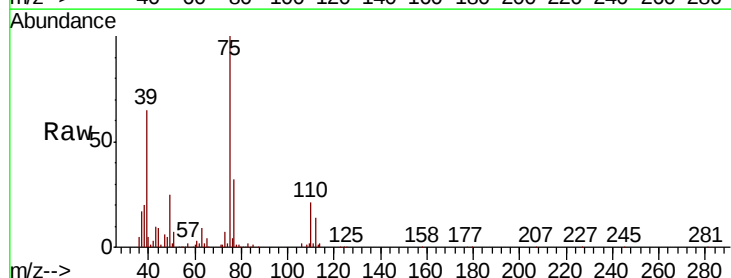
Tgt Ion: 75 Resp: 237862

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

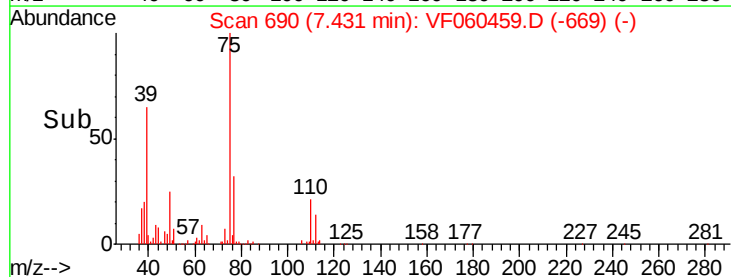
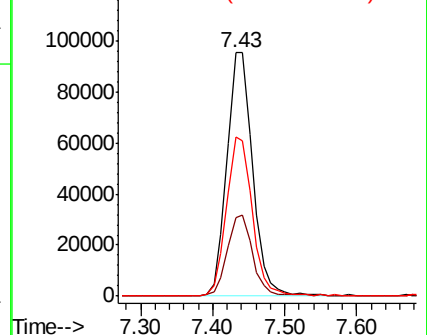
39 65.5 49.7 74.5

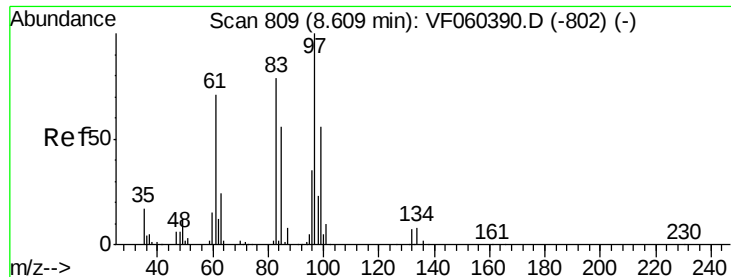


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 50.003 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 105118

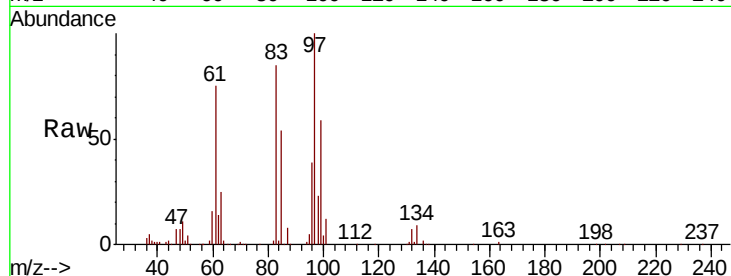
Ion Ratio Lower Upper

97 100

83 85.1 63.4 95.0

85 54.5 44.5 66.7

99 58.6 45.1 67.7

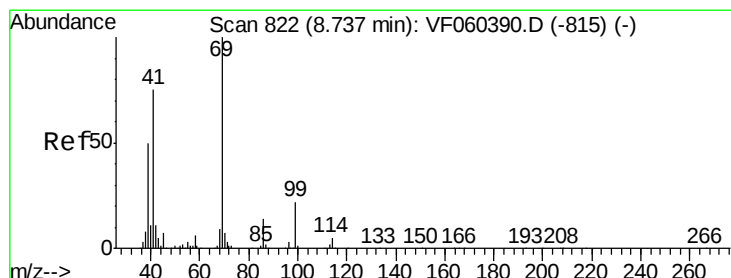
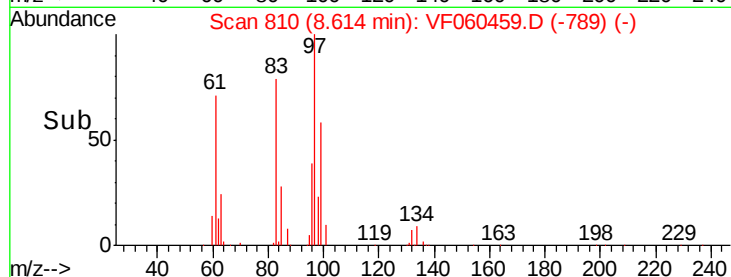
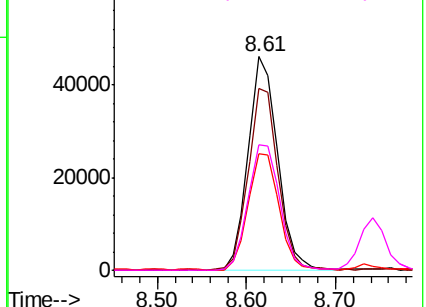


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 48.048 ug/l

RT: 8.74 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

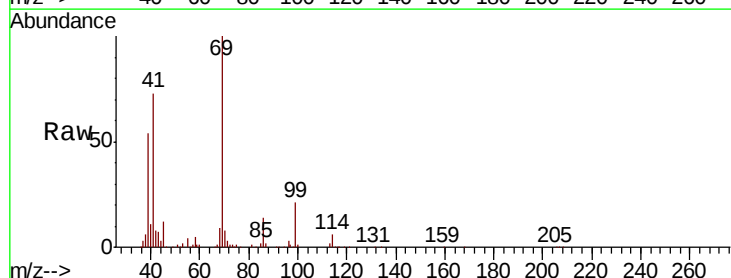
Tgt Ion: 69 Resp: 114778

Ion Ratio Lower Upper

69 100

41 73.2 60.2 90.4

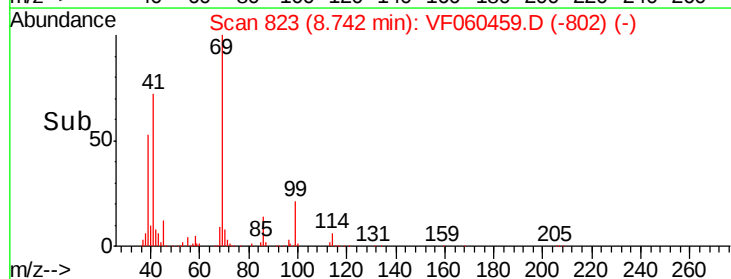
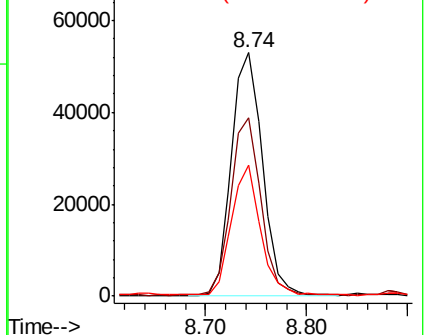
39 53.8 40.2 60.2

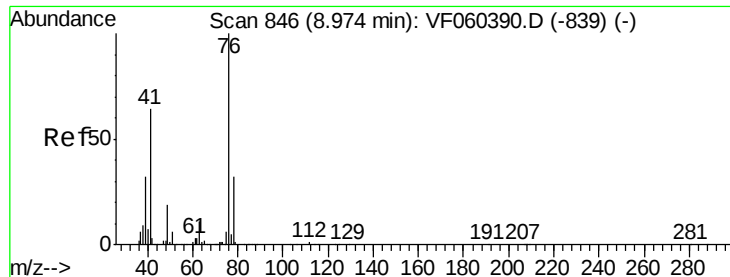


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.481 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

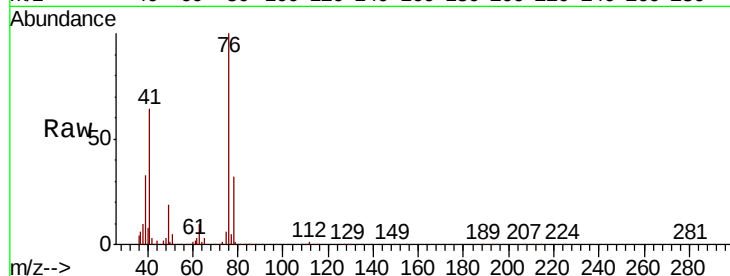
VSTDCCC050

Tot Ion: 76 Resp: 175976

Ion Ratio Lower Upper

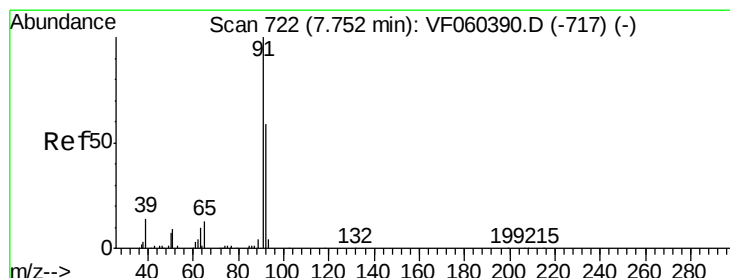
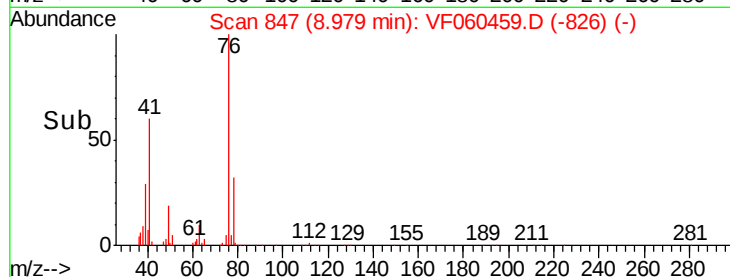
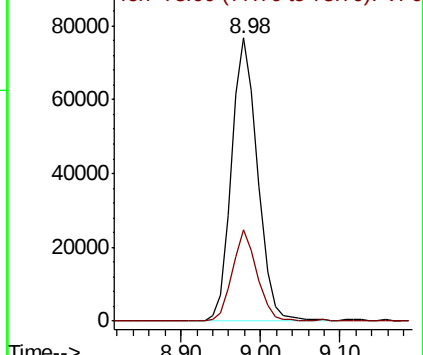
76 100

78 32.1 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 228.817 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060459.D

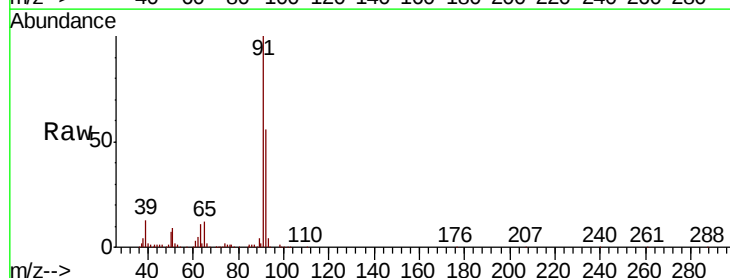
Acq: 5 Oct 2018 16:05

Tgt Ion: 63 Resp: 55833

Ion Ratio Lower Upper

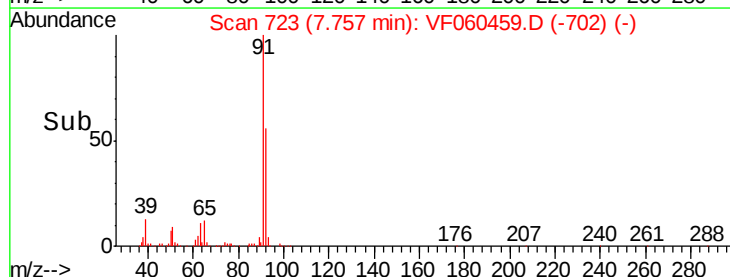
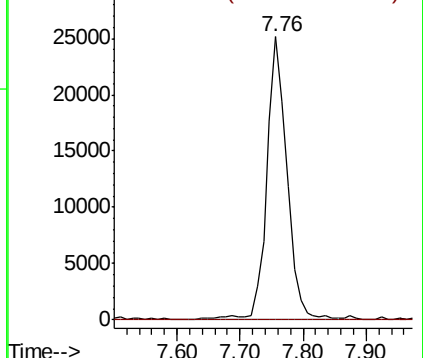
63 100

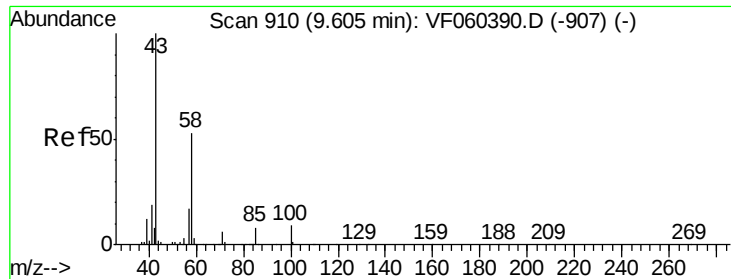
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

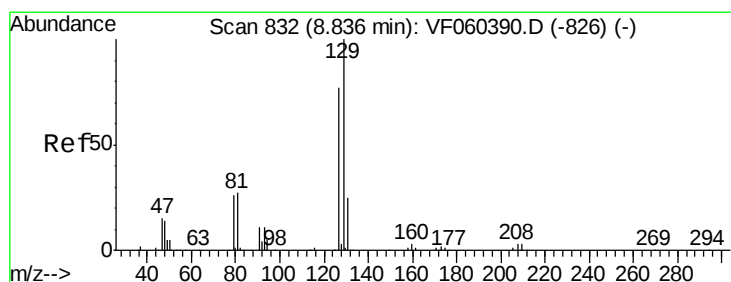
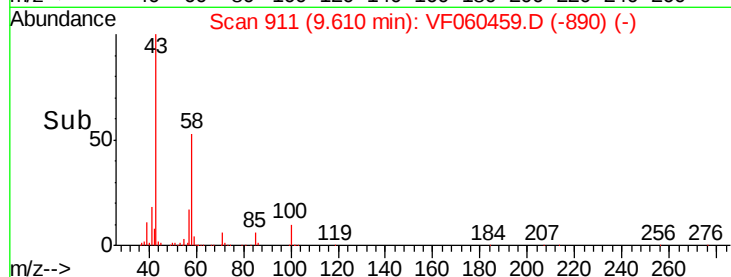
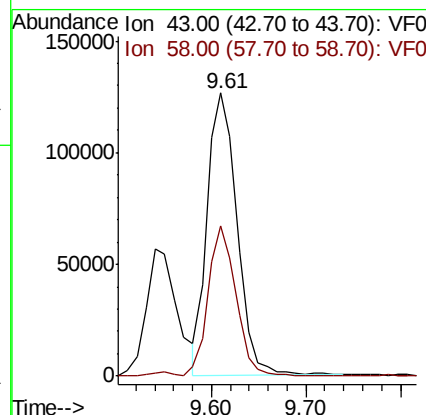
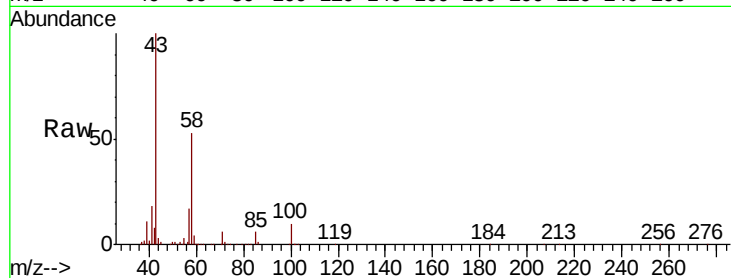




#59
2-Hexanone
Concen: 233.063 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

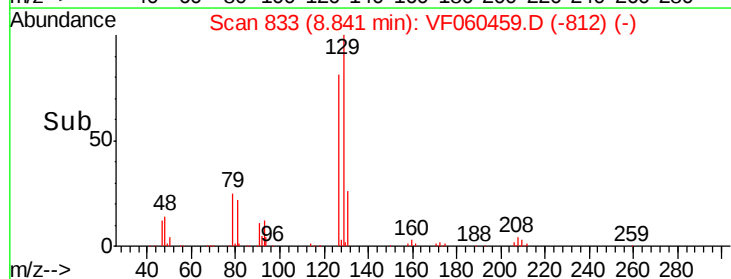
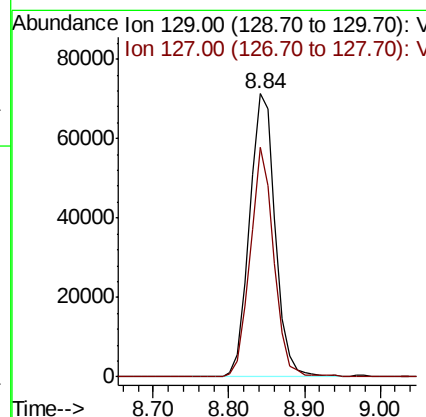
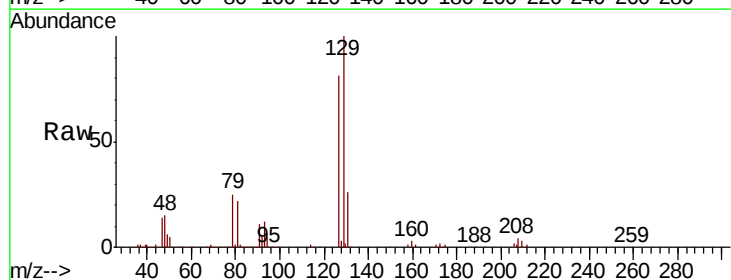
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

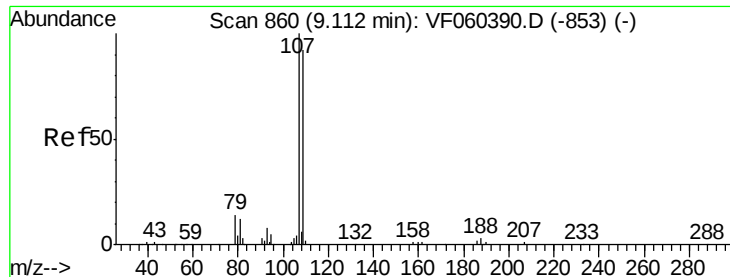
Tot Ion: 43 Resp: 276991
Ion Ratio Lower Upper
43 100
58 53.3 25.6 76.6



#60
Dibromochloromethane
Concen: 53.200 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 129 Resp: 168392
Ion Ratio Lower Upper
129 100
127 81.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 52.298 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

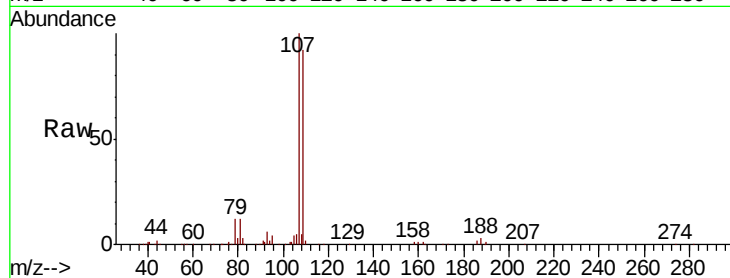
VSTDCCC050

Tot Ion:107 Resp: 120302

Ion Ratio Lower Upper

107 100

109 91.7 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

60000

50000

40000

30000

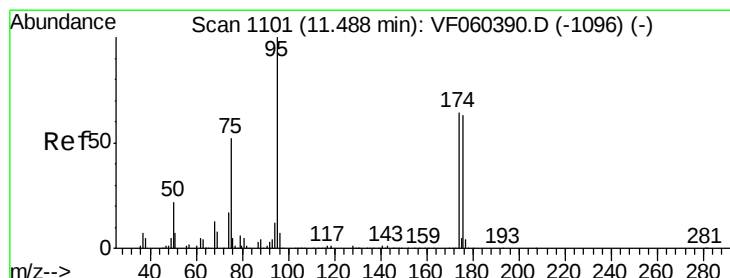
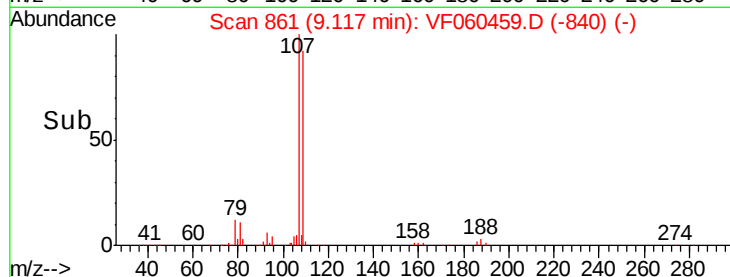
20000

10000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 48.356 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

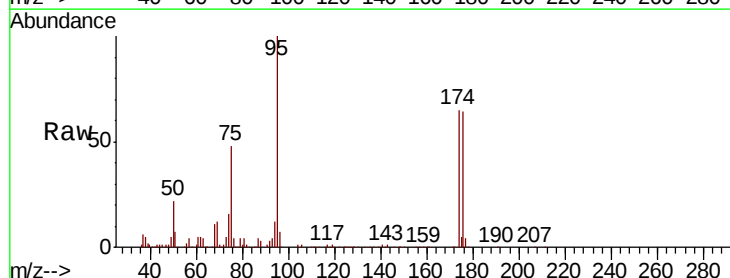
Tgt Ion: 95 Resp: 203794

Ion Ratio Lower Upper

95 100

174 64.8 0.0 129.0

176 63.8 0.0 125.6



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

11.49

150000

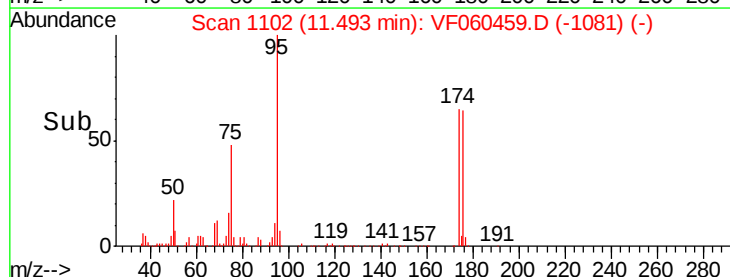
100000

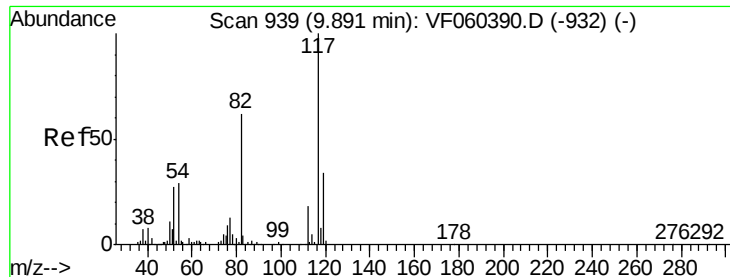
50000

0

Time-->

11.40 11.50 11.60 11.70

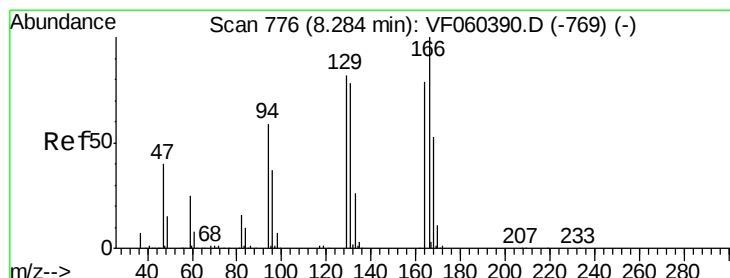
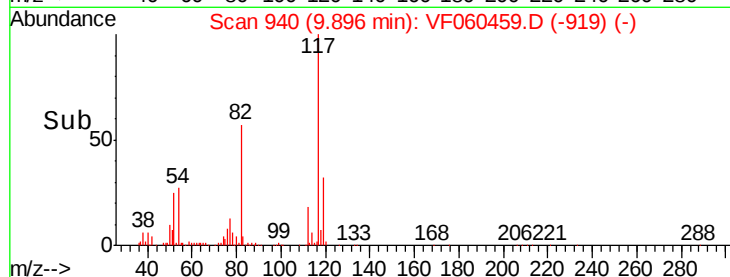
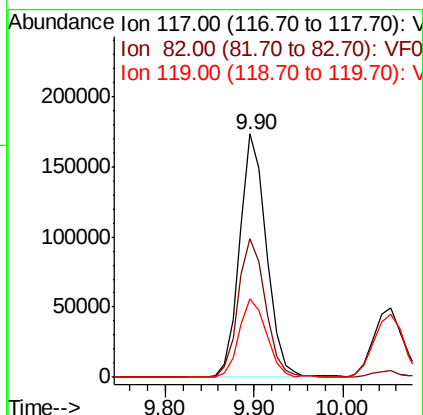
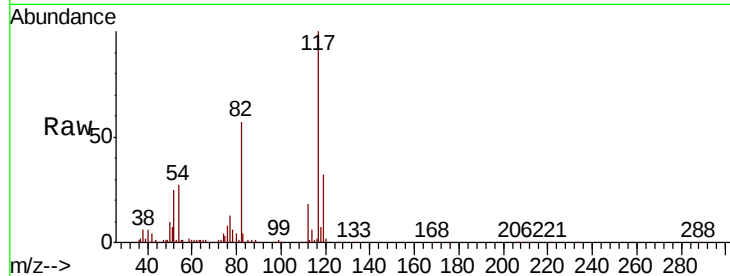




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

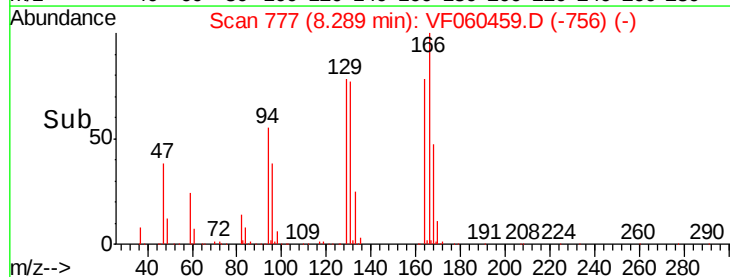
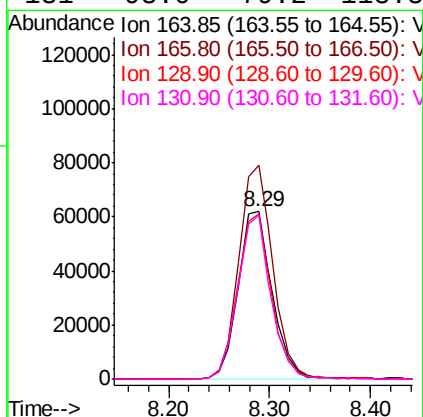
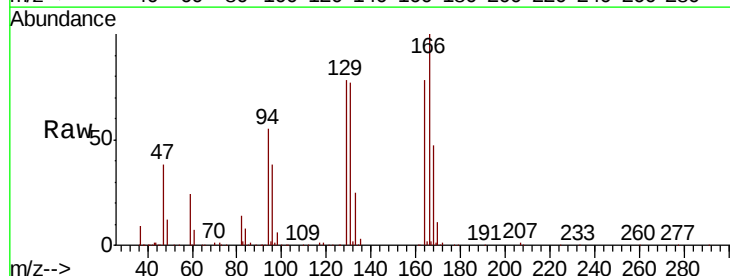
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

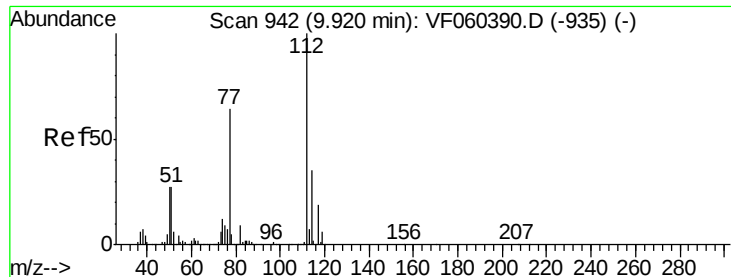
Tot Ion:117 Resp: 362568
Ion Ratio Lower Upper
117 100
82 56.8 49.5 74.3
119 32.0 27.0 40.6



#64
Tetrachloroethene
Concen: 50.575 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion:164 Resp: 145767
Ion Ratio Lower Upper
164 100
166 127.6 101.0 151.6
129 99.0 82.5 123.7
131 98.0 79.2 118.8

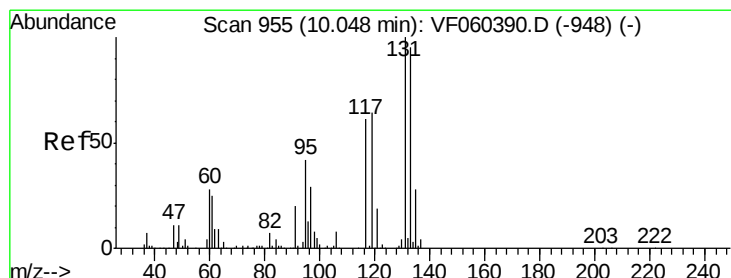
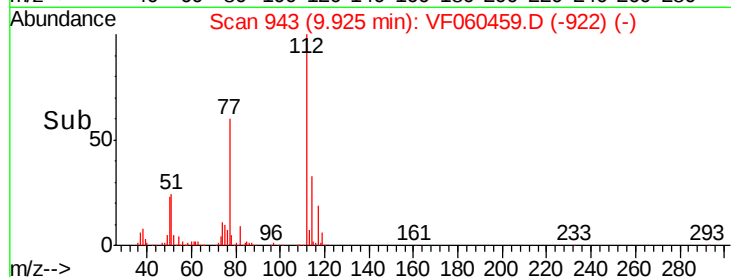
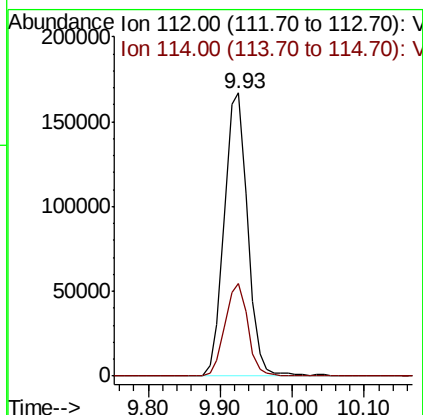
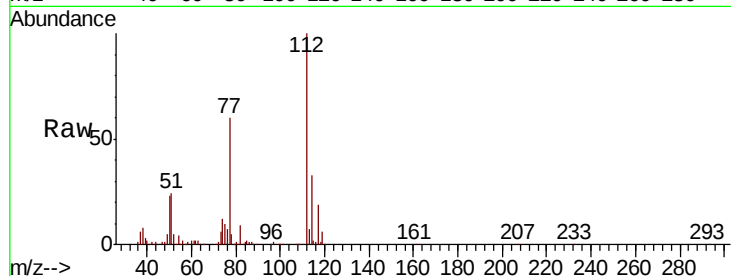




#65
Chlorobenzene
Concen: 50.595 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

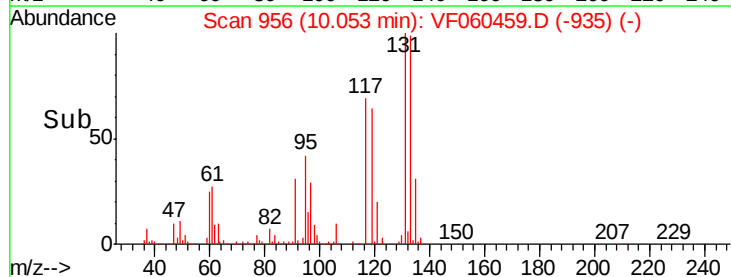
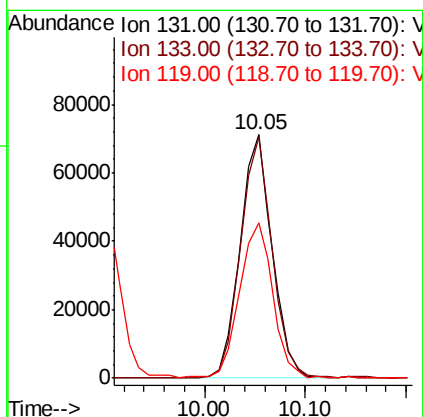
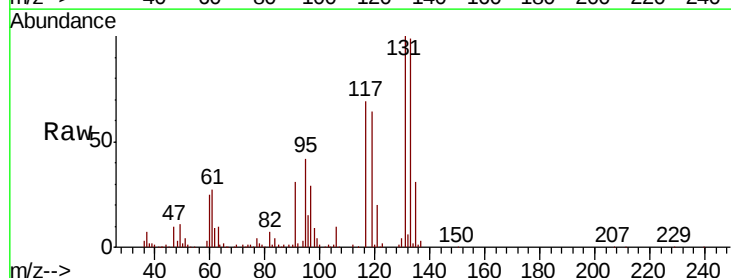
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

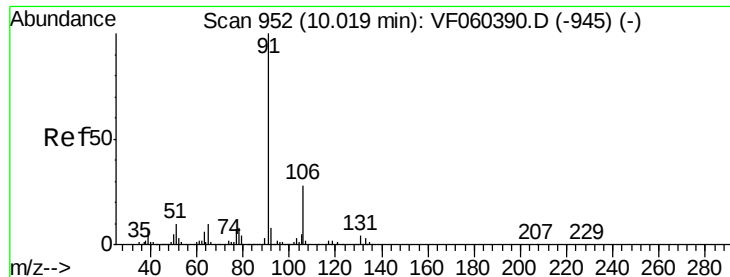
Tot Ion:112 Resp: 376823
Ion Ratio Lower Upper
112 100
114 32.8 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.368 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion:131 Resp: 157291
Ion Ratio Lower Upper
131 100
133 99.0 47.3 141.8
119 63.5 32.3 96.9





#67

Ethyl Benzene

Concen: 49.761 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

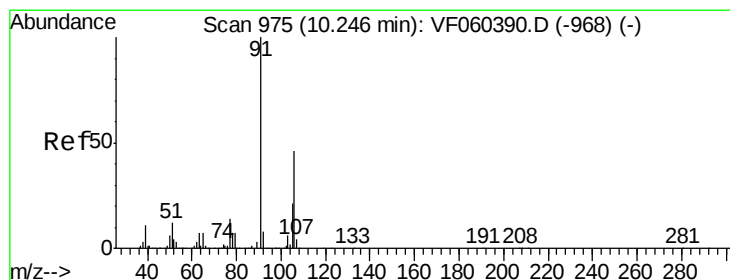
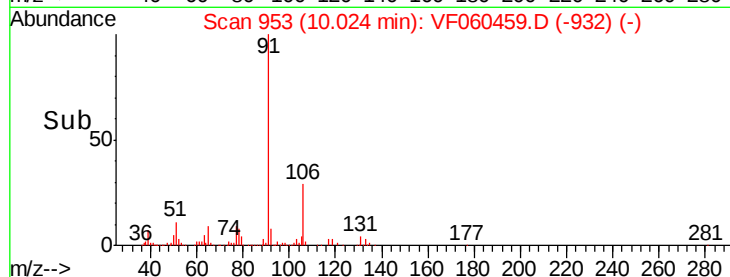
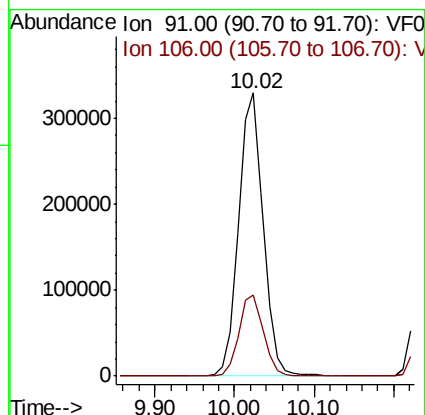
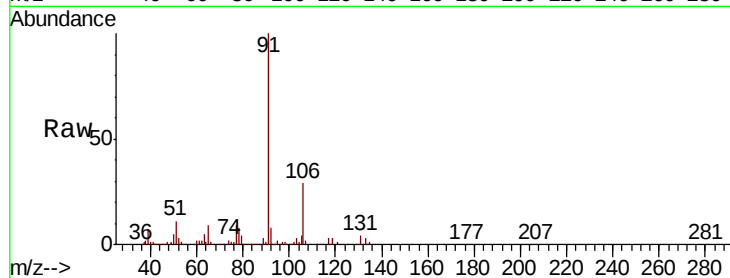
VSTDCCC050

Tot Ion: 91 Resp: 704678

Ion Ratio Lower Upper

91 100

106 28.9 22.5 33.7



#68

m/p-Xylenes

Concen: 99.353 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.01 min

Lab File: VF060459.D

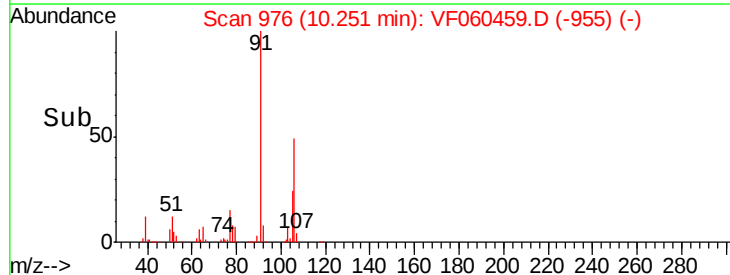
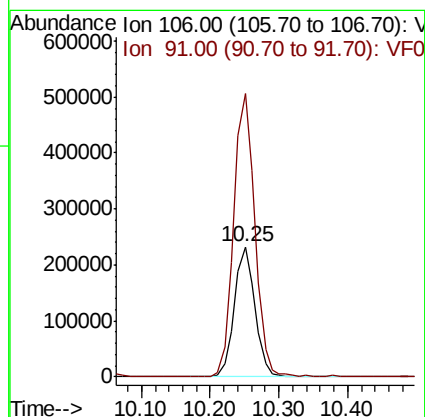
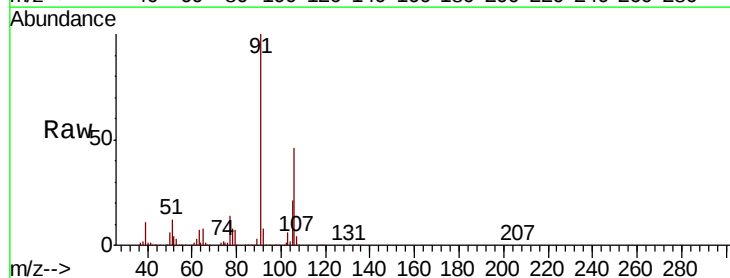
Acq: 5 Oct 2018 16:05

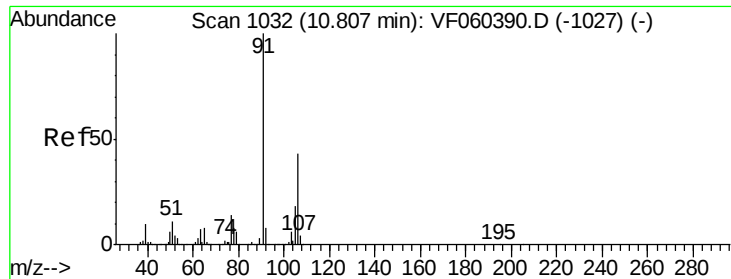
Tgt Ion: 106 Resp: 483666

Ion Ratio Lower Upper

106 100

91 217.4 175.0 262.6

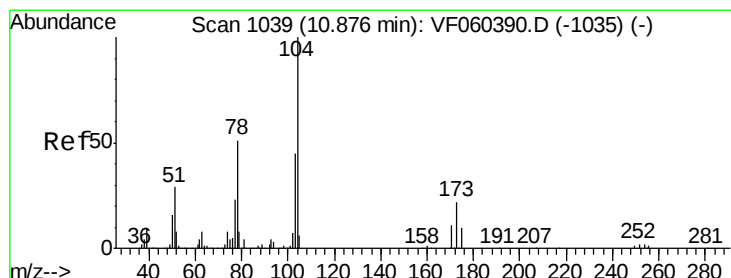
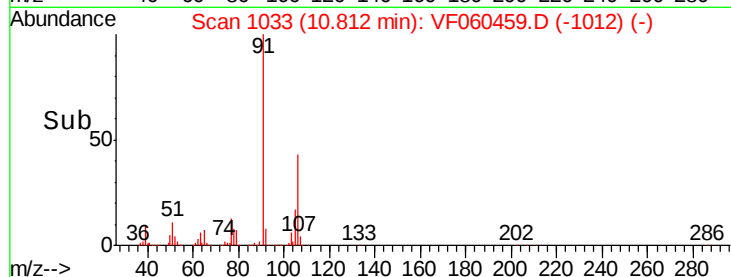
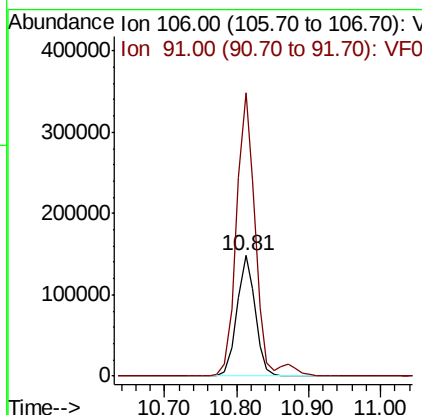
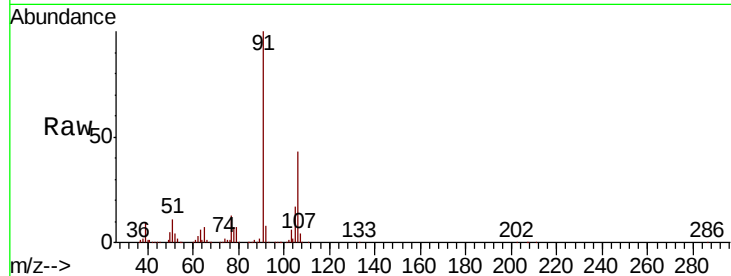




#69
o-Xylene
Concen: 49.865 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

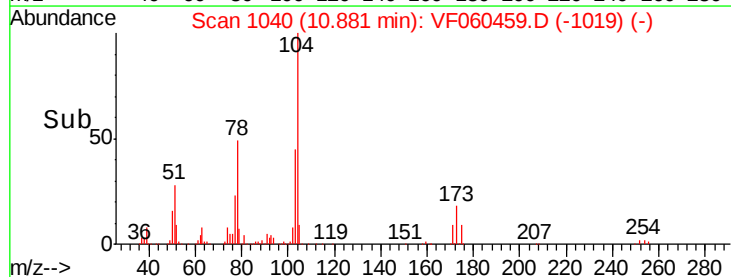
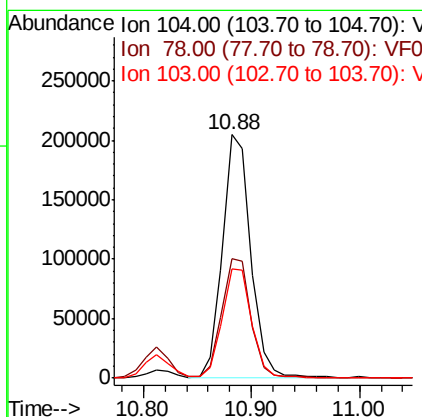
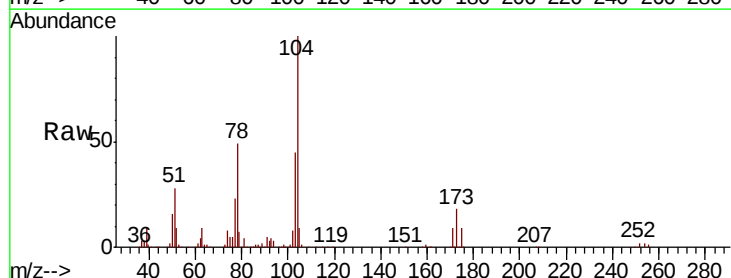
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

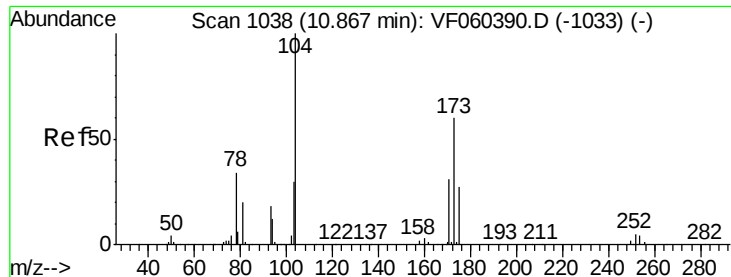
Tot Ion:106 Resp: 264599
Ion Ratio Lower Upper
106 100
91 234.9 115.1 345.2



#70
Styrene
Concen: 49.123 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion:104 Resp: 370767
Ion Ratio Lower Upper
104 100
78 49.1 41.0 61.4
103 44.8 36.4 54.6





#71

Bromoform

Concen: 49.393 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

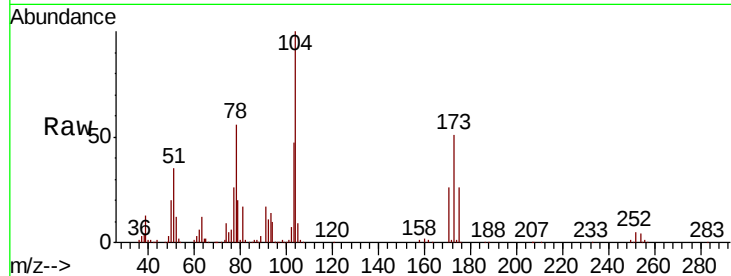
Tot Ion:173 Resp: 85518

Ion Ratio Lower Upper

173 100

175 50.9 22.1 66.1

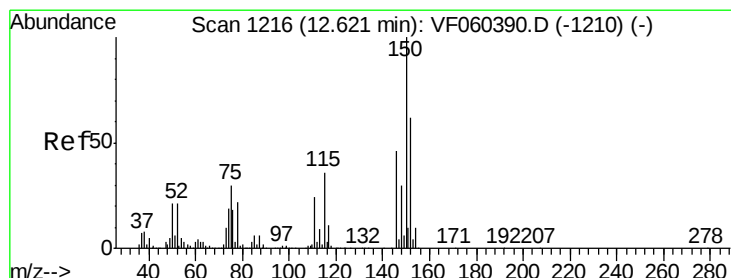
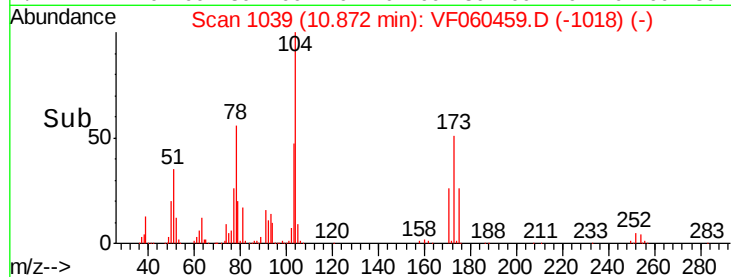
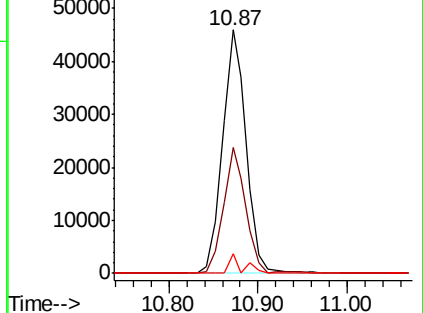
254 7.7 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

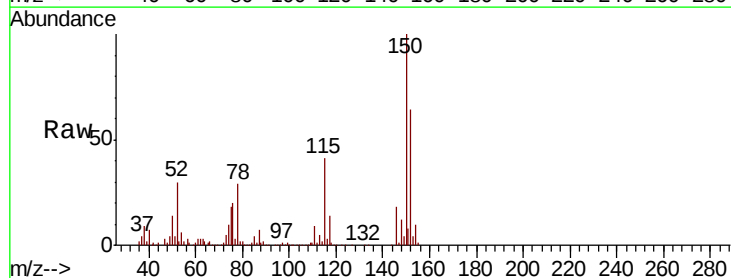
Tgt Ion:152 Resp: 188099

Ion Ratio Lower Upper

152 100

115 64.4 28.6 85.8

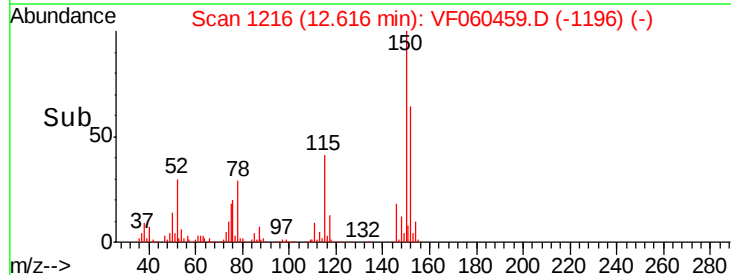
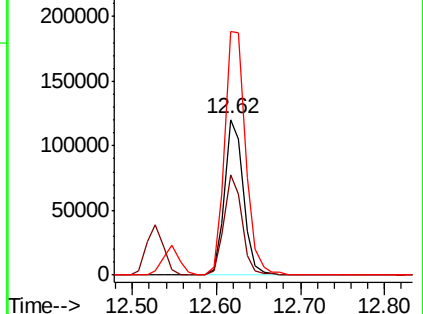
150 156.8 0.0 324.6

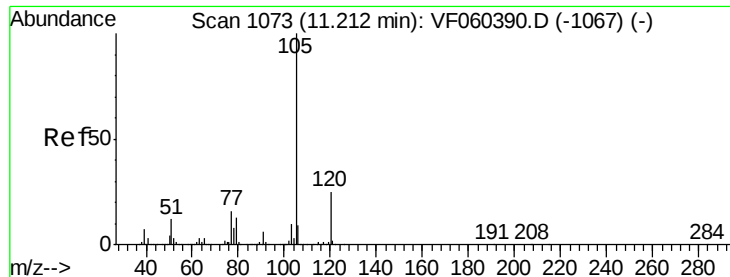


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.983 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

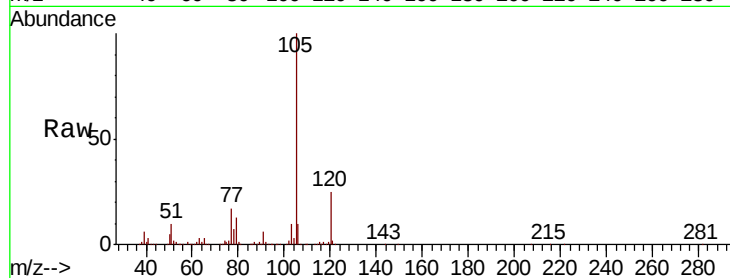
VSTDCCC050

Tot Ion:105 Resp: 799514

Ion Ratio Lower Upper

105 100

120 24.7 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

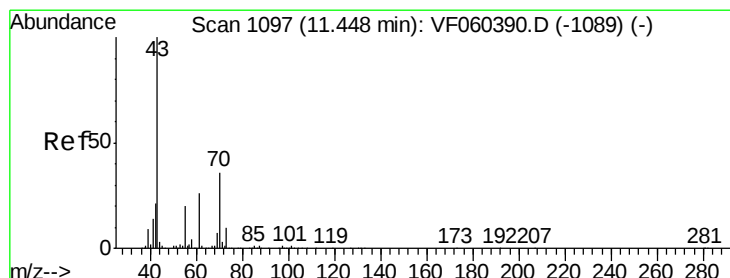
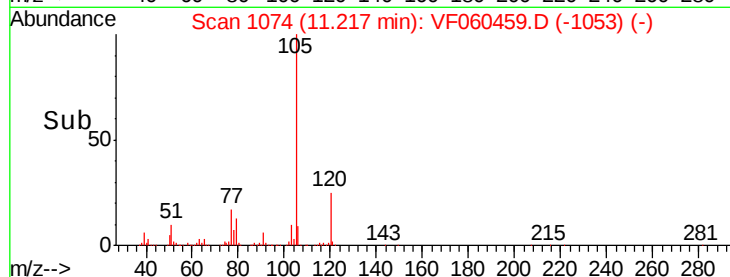
300000

200000

100000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 46.562 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion: 43 Resp: 158268

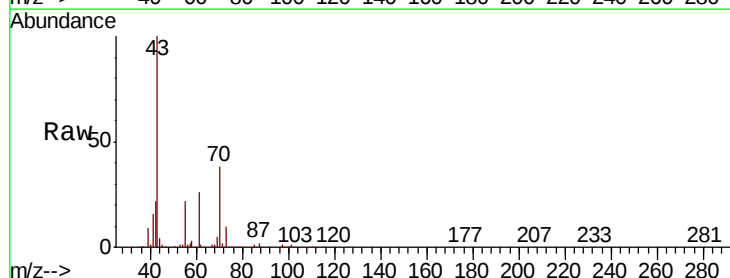
Ion Ratio Lower Upper

43 100

70 38.0 29.1 43.7

55 22.2 16.3 24.5

61 26.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

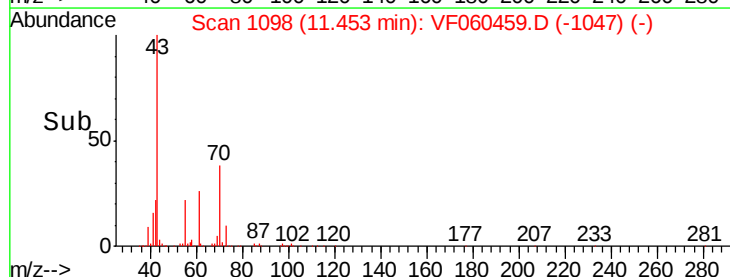
150000

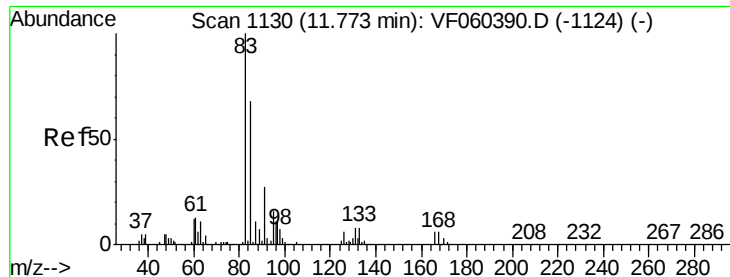
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 51.005 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

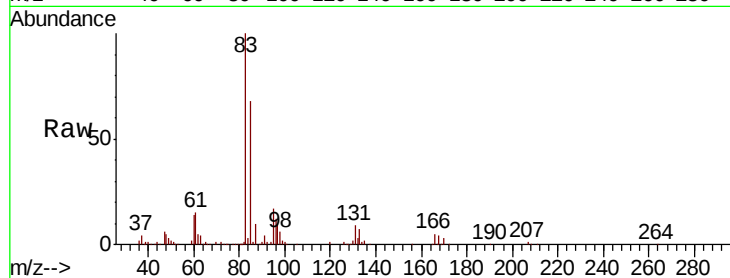
Tot Ion: 83 Resp: 137722

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.0

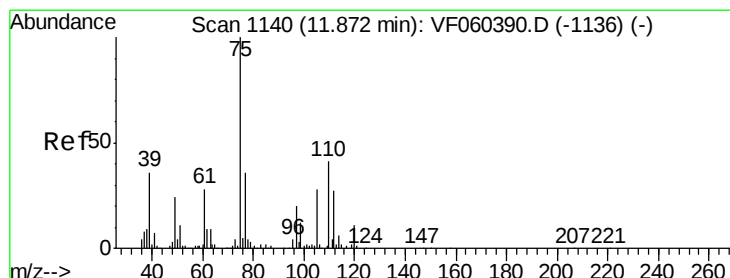
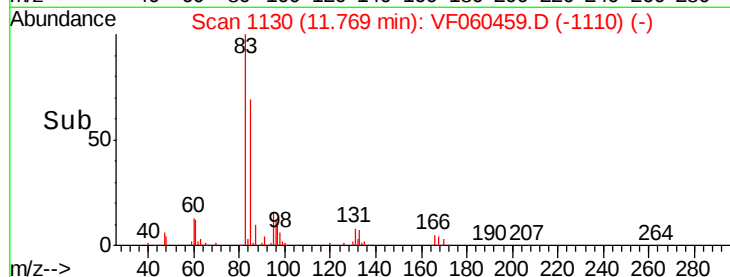
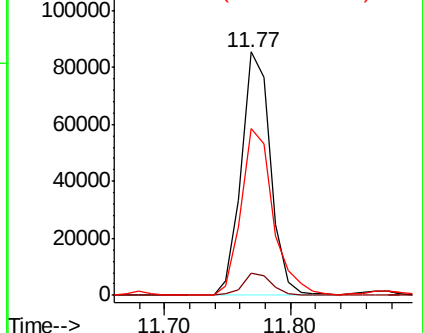
85 68.5 34.0 102.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 53.159 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF060459.D

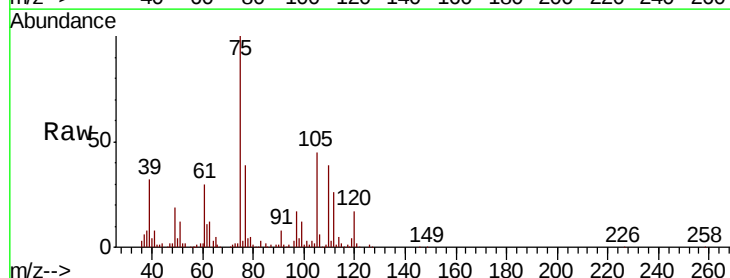
Acq: 5 Oct 2018 16:05

Tgt Ion: 75 Resp: 105672

Ion Ratio Lower Upper

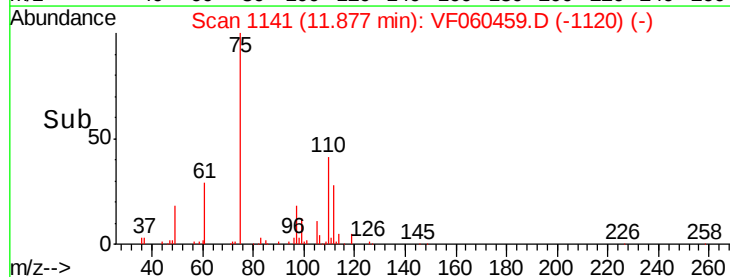
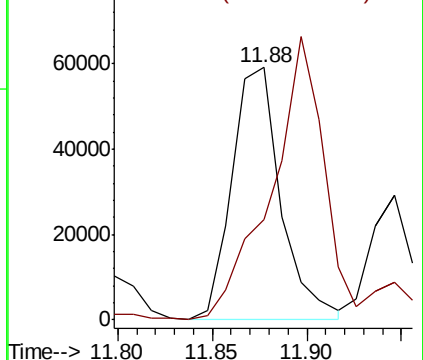
75 100

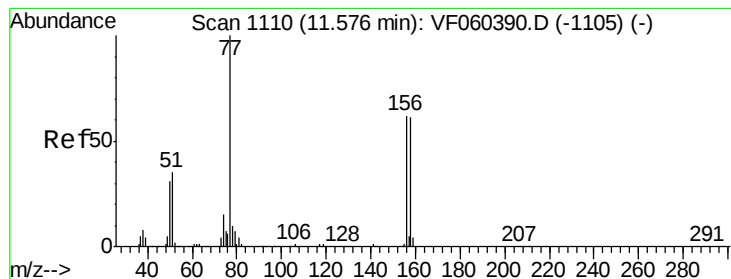
77 39.5 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.522 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

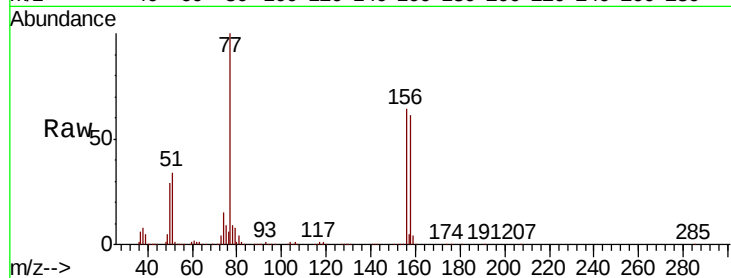
Tot Ion:156 Resp: 170572

Ion Ratio Lower Upper

156 100

77 156.3 81.3 243.9

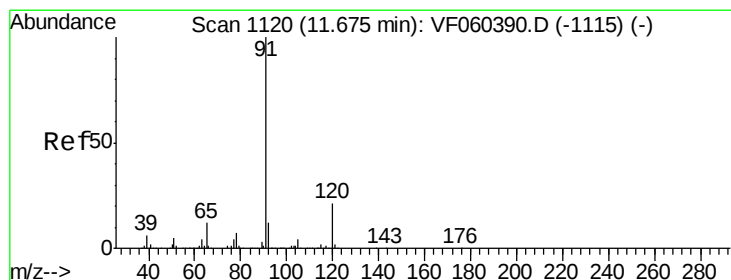
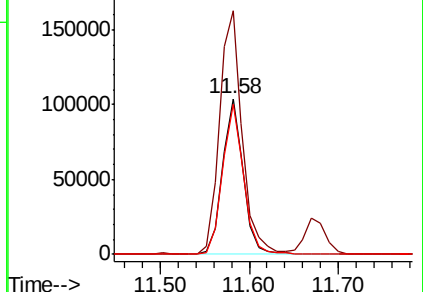
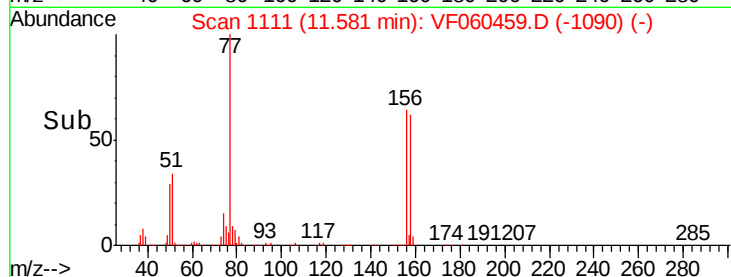
158 96.1 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.974 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060459.D

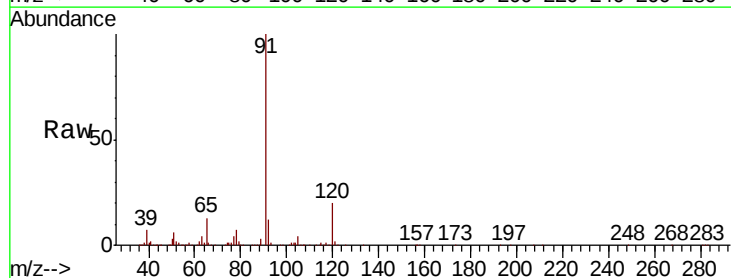
Acq: 5 Oct 2018 16:05

Tgt Ion: 91 Resp: 933171

Ion Ratio Lower Upper

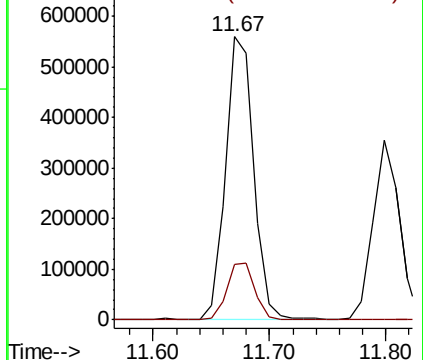
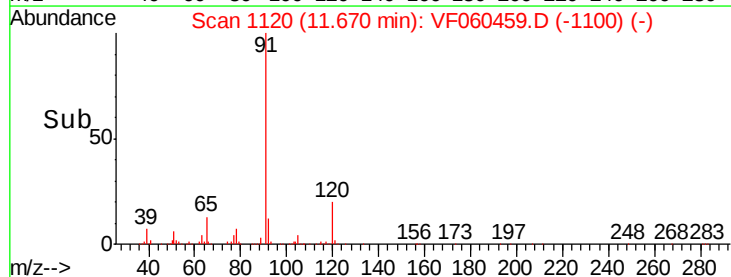
91 100

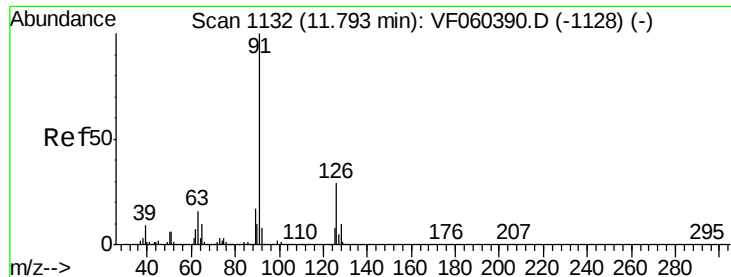
120 19.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.343 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

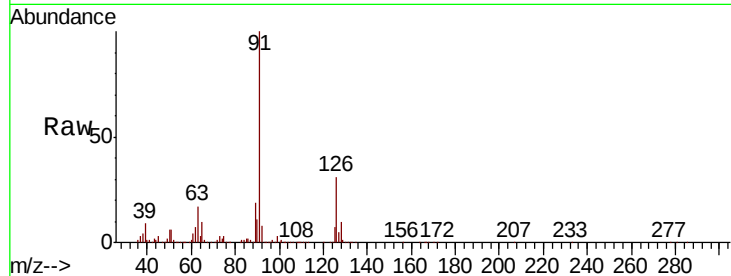
VSTDCCC050

Tot Ion: 91 Resp: 549745

Ion Ratio Lower Upper

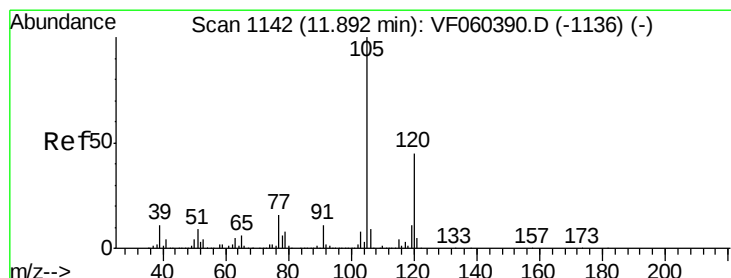
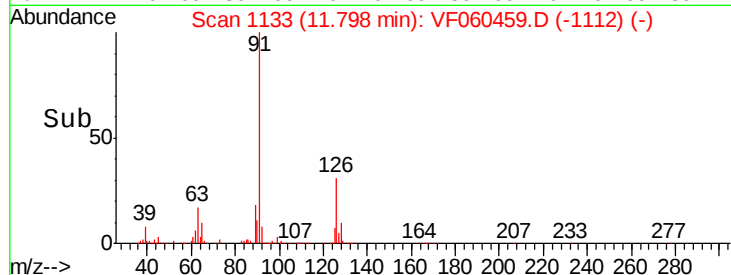
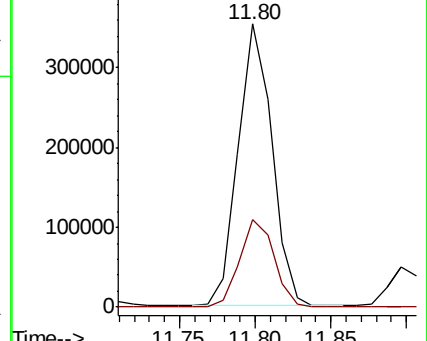
91 100

126 31.1 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 52.895 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060459.D

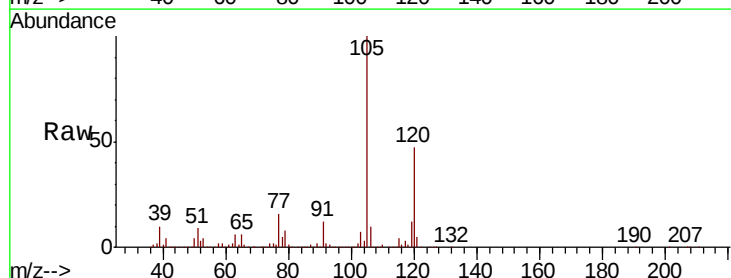
Acq: 5 Oct 2018 16:05

Tgt Ion:105 Resp: 665587

Ion Ratio Lower Upper

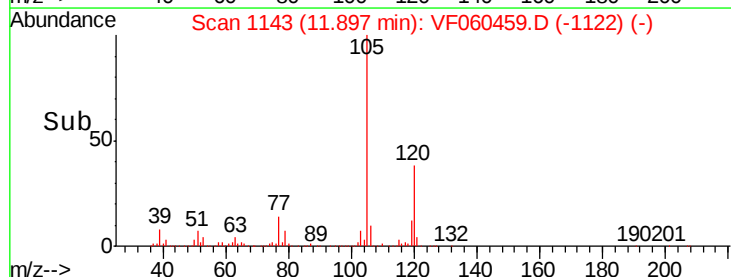
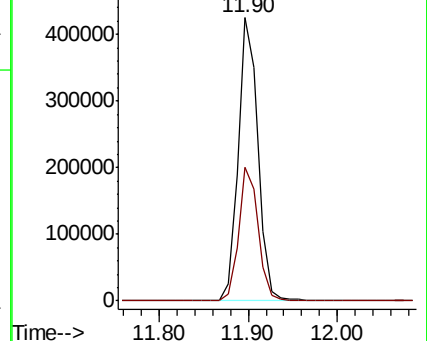
105 100

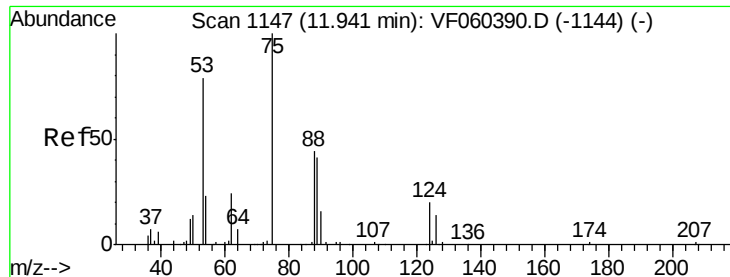
120 47.1 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

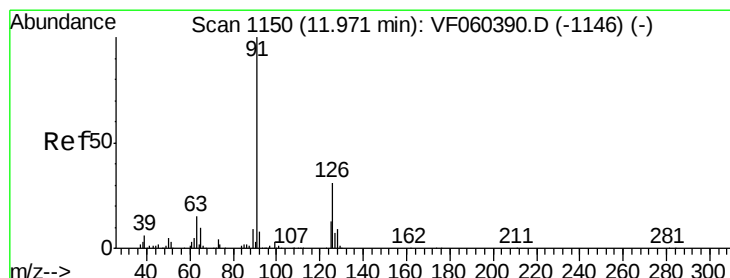
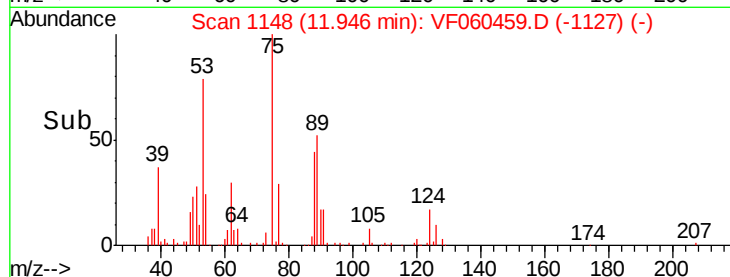
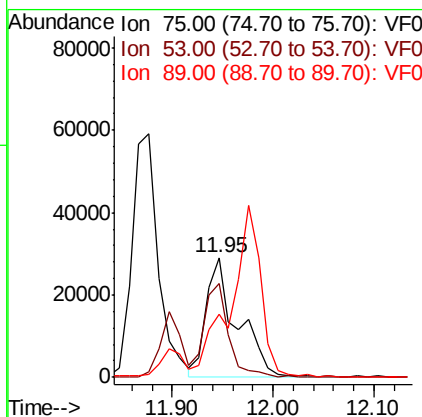
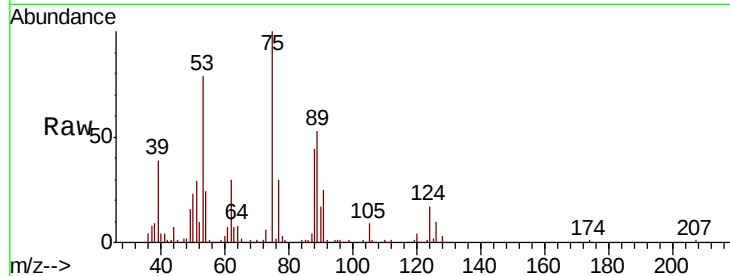




#81
trans-1,4-Dichloro-2-butene
Concen: 71.146 ug/l
RT: 11.95 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

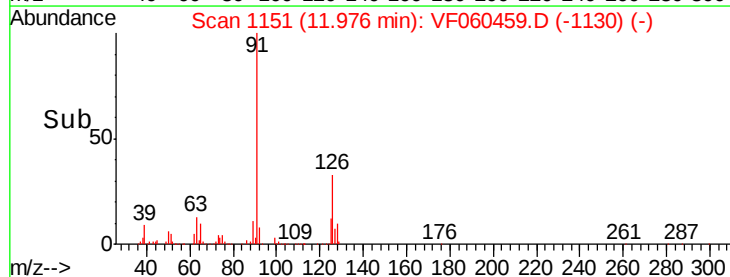
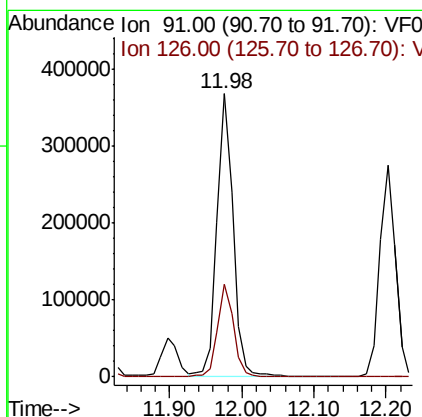
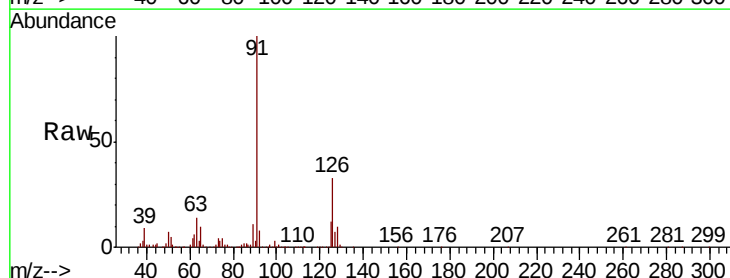
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

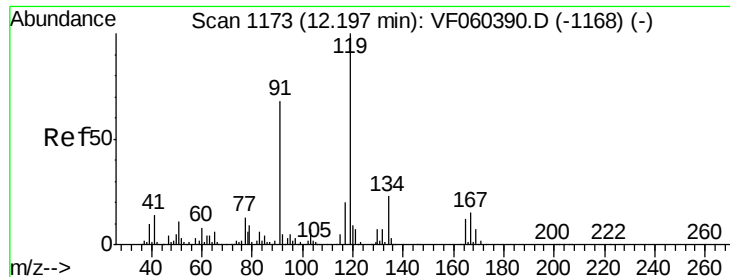
Tot Ion: 75 Resp: 62692
Ion Ratio Lower Upper
75 100
53 78.7 67.8 101.8
89 52.6 36.7 55.1



#82
4-Chlorotoluene
Concen: 52.530 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 91 Resp: 564498
Ion Ratio Lower Upper
91 100
126 32.6 15.7 47.0





#83

tert-Butylbenzene

Concen: 53.054 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

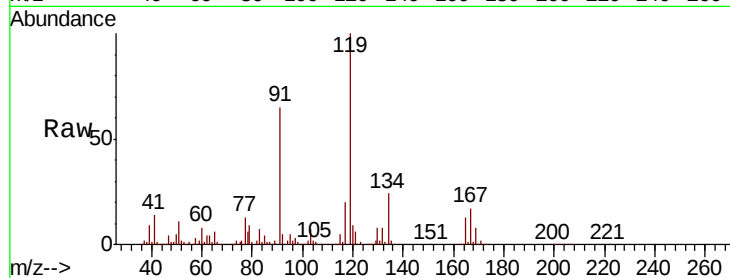
Tot Ion:119 Resp: 658448

Ion Ratio Lower Upper

119 100

91 64.6 34.0 102.0

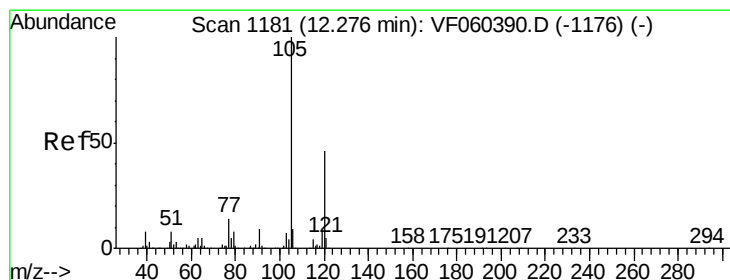
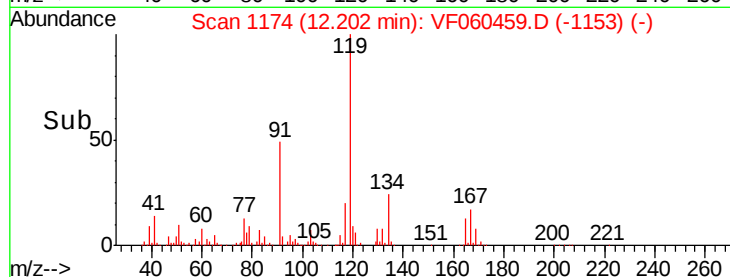
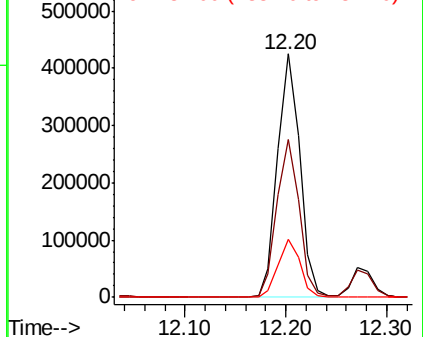
134 24.0 11.7 35.0



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: 51.658 ug/l

RT: 12.27 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VF060459.D

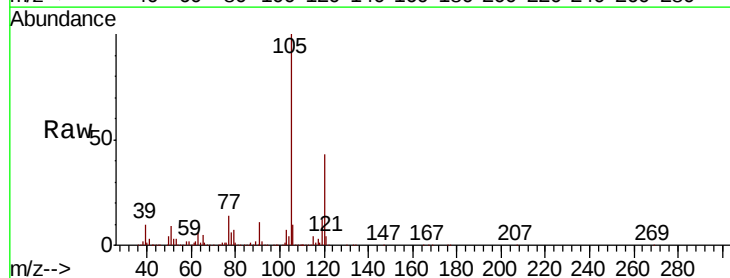
Acq: 5 Oct 2018 16:05

Tgt Ion:105 Resp: 644634

Ion Ratio Lower Upper

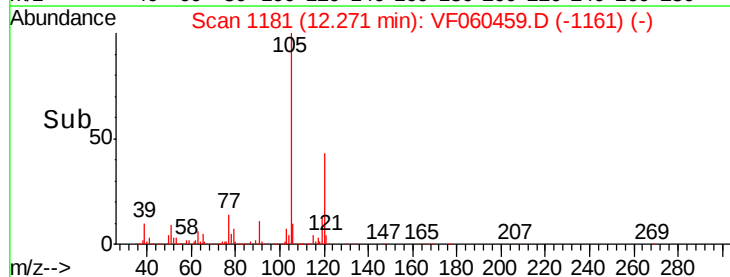
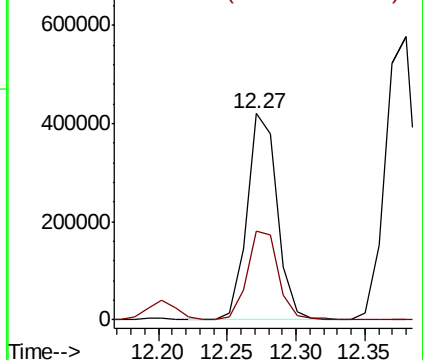
105 100

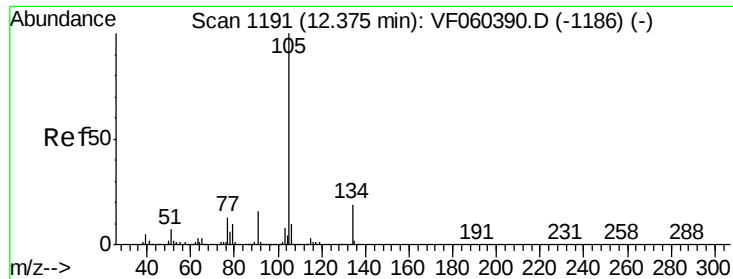
120 42.8 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.680 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

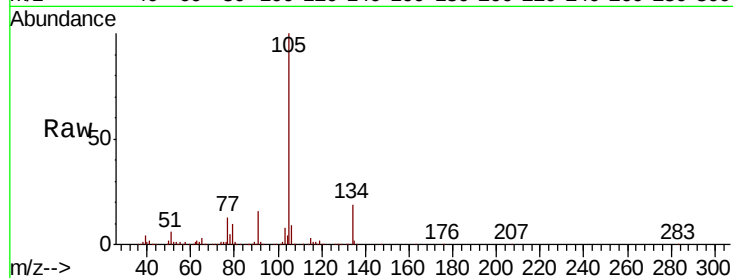
VSTDCCC050

Tot Ion:105 Resp: 902465

Ion Ratio Lower Upper

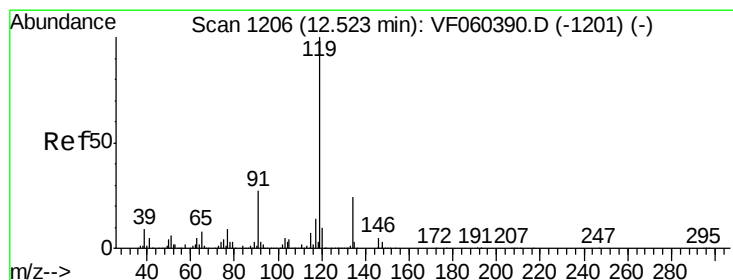
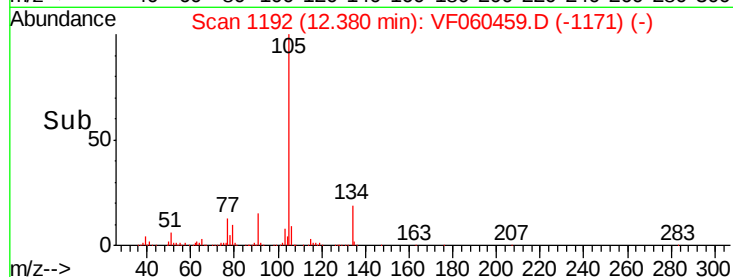
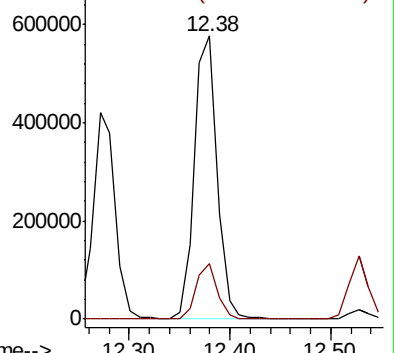
105 100

134 19.4 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.702 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

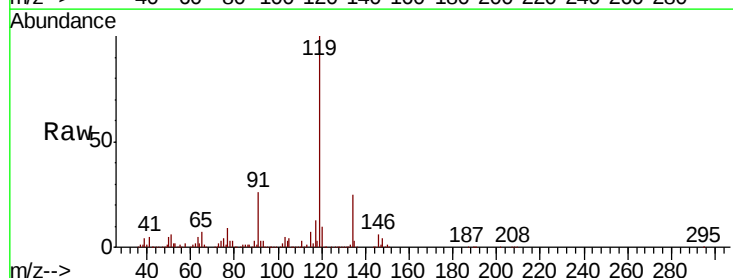
Tgt Ion:119 Resp: 709608

Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

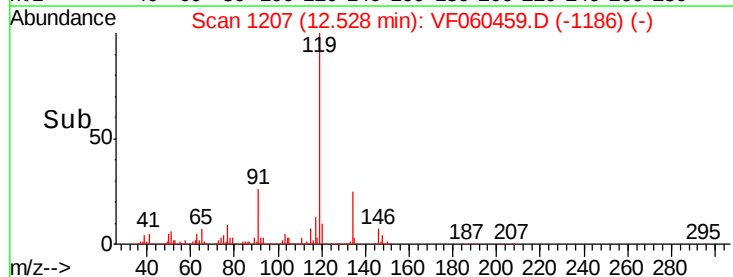
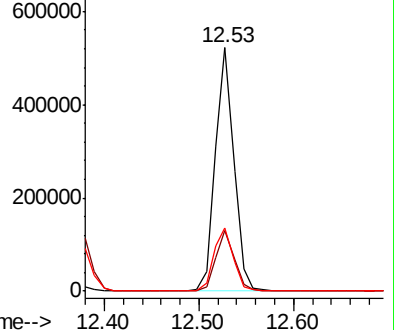
91 25.8 13.5 40.4

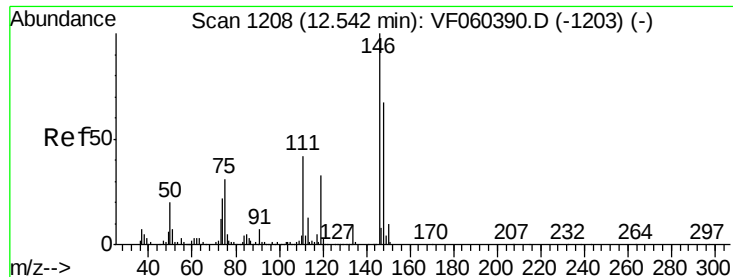


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

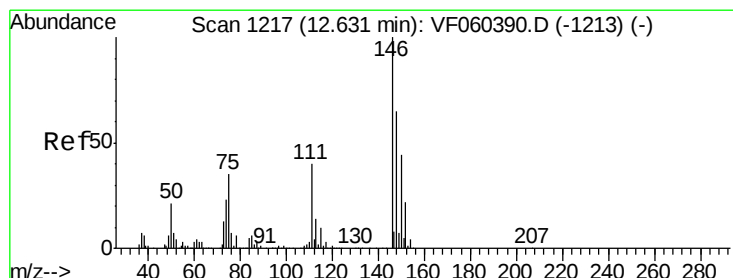
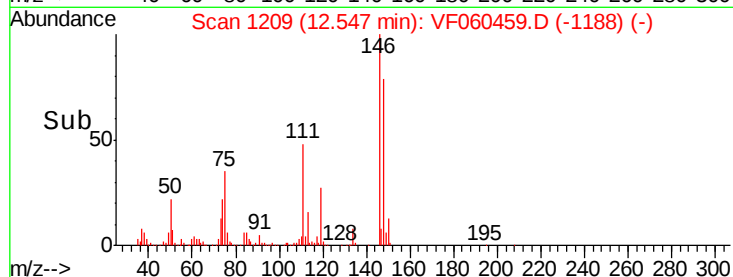
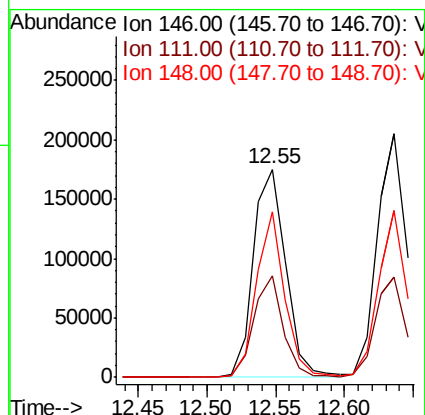
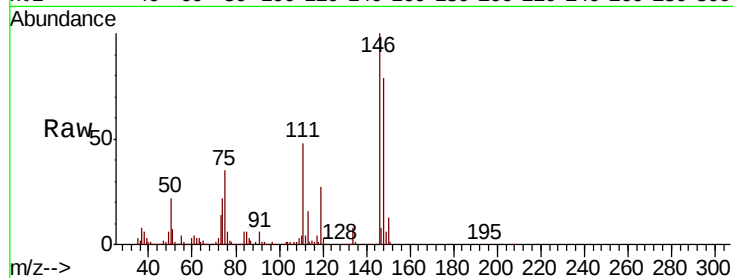




#87
 1,3-Dichlorobenzene
 Concen: 46.465 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

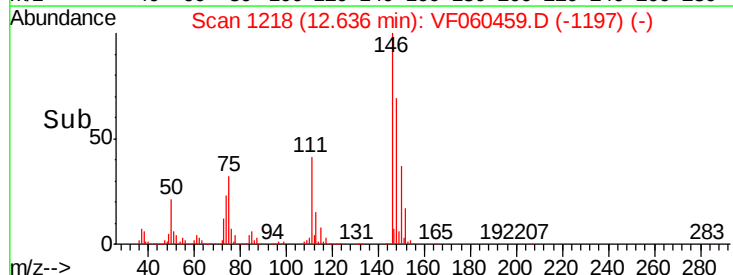
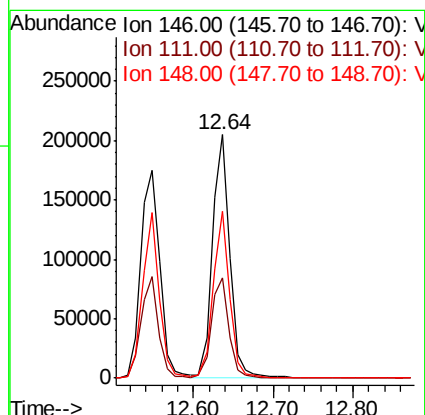
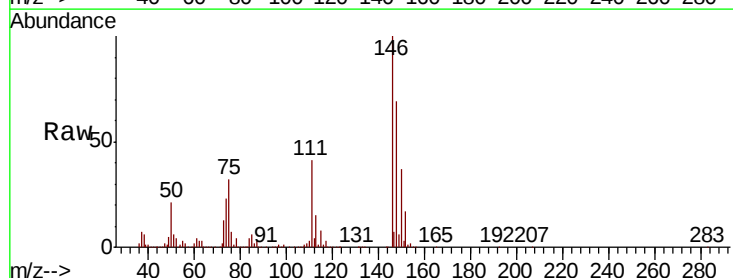
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

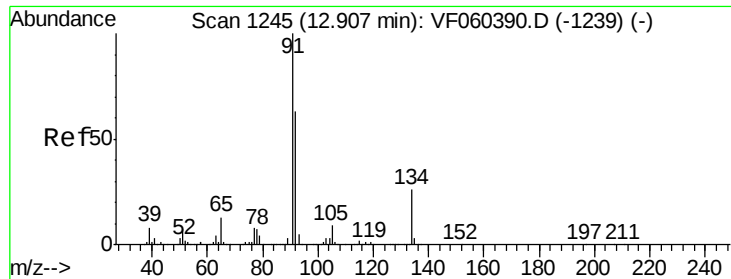
Tot Ion:146 Resp: 289468
 Ion Ratio Lower Upper
 146 100
 111 48.5 20.9 62.7
 148 79.4 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 51.070 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion:146 Resp: 313728
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.2 60.6
 148 68.7 32.6 97.8





#89

n-Butylbenzene

Concen: 52.731 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

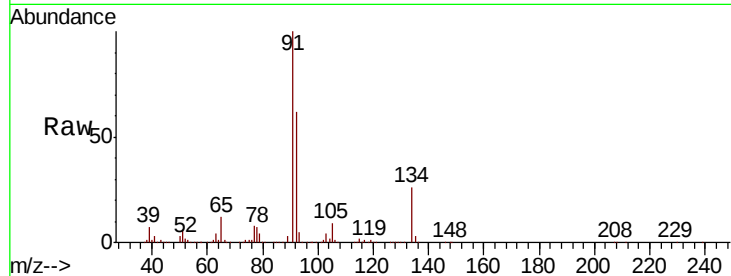
Tot Ion: 91 Resp: 780936

Ion Ratio Lower Upper

91 100

92 62.1 31.3 93.9

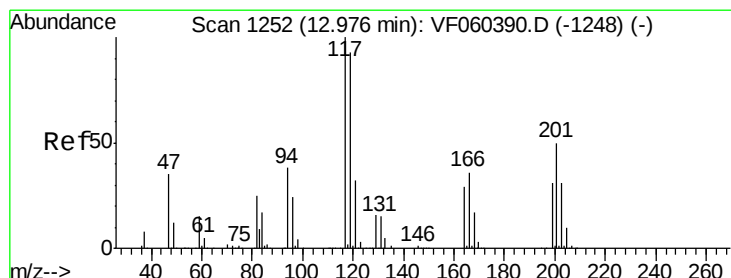
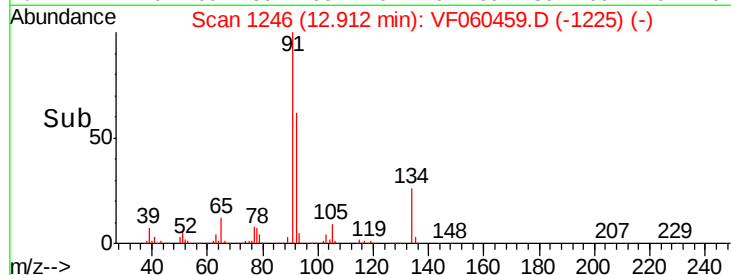
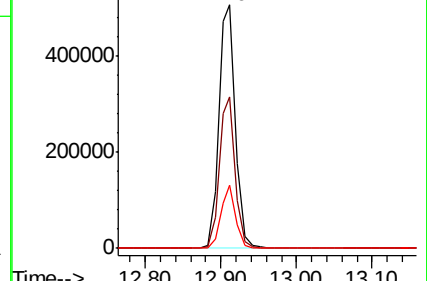
134 25.9 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.836 ug/l

RT: 12.98 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VF060459.D

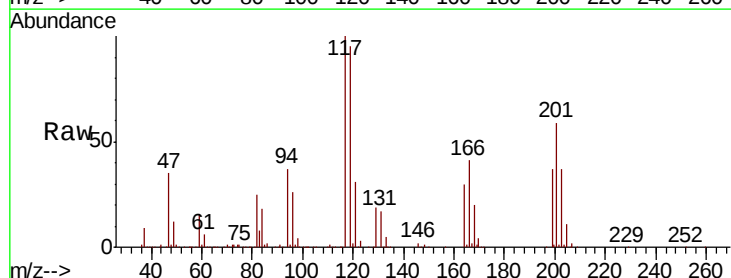
Acq: 5 Oct 2018 16:05

Tgt Ion: 117 Resp: 187507

Ion Ratio Lower Upper

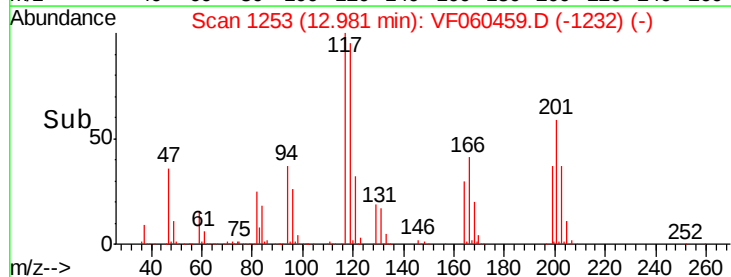
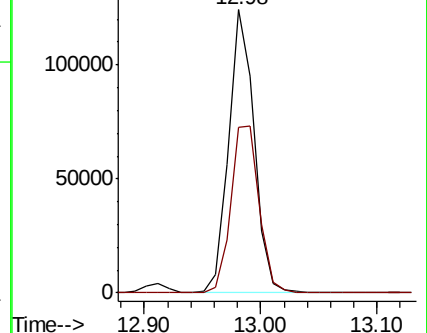
117 100

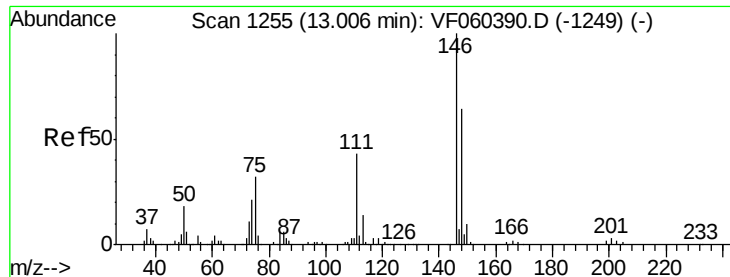
201 58.7 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 50.514 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

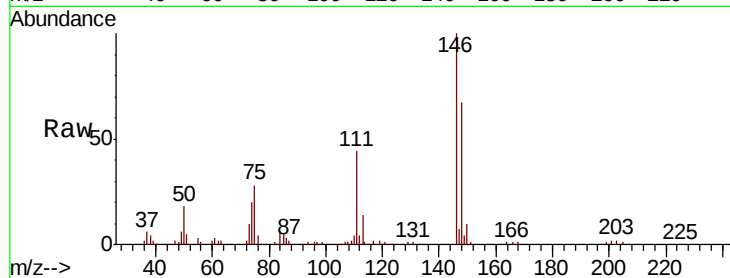
Tot Ion:146 Resp: 301524

Ion Ratio Lower Upper

146 100

111 44.1 21.3 64.0

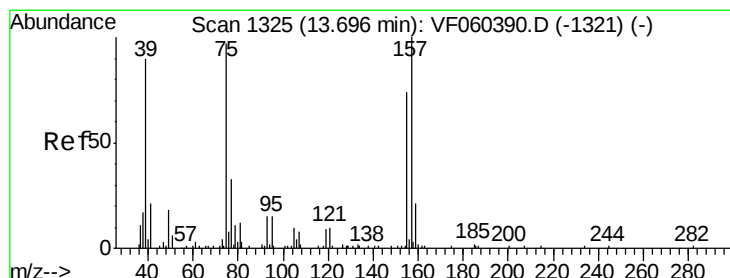
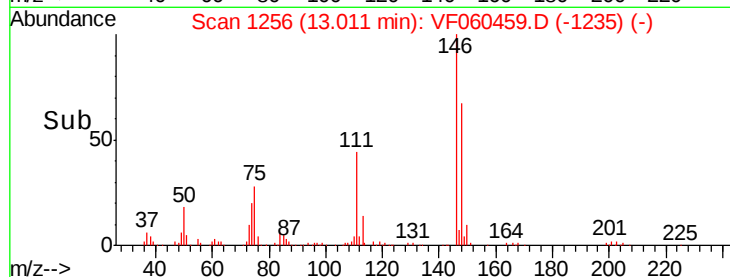
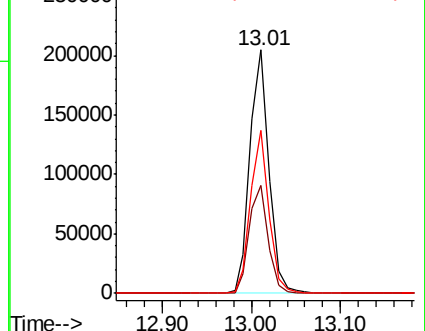
148 67.0 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.822 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

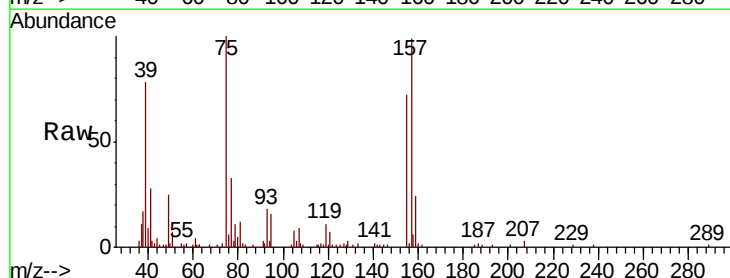
Tgt Ion: 75 Resp: 27650

Ion Ratio Lower Upper

75 100

155 72.3 37.9 113.6

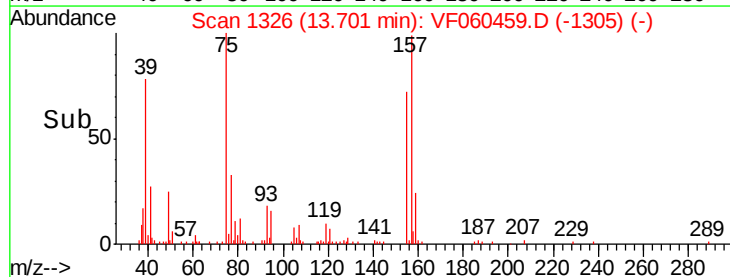
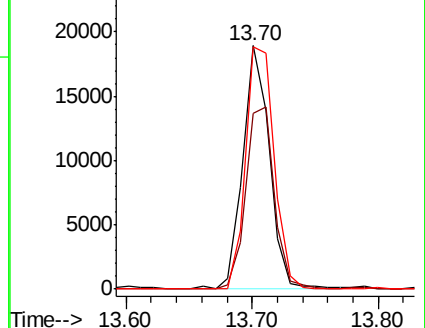
157 99.3 51.3 154.0

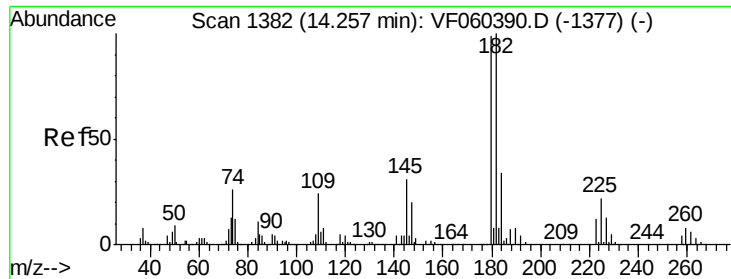


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

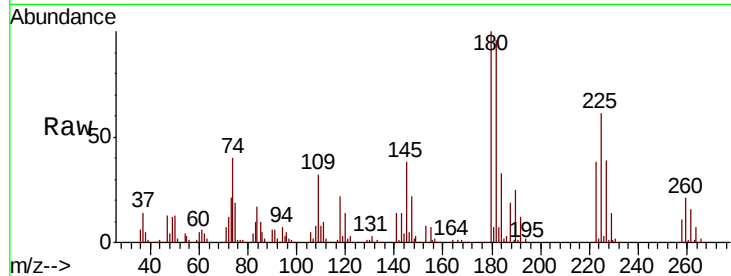




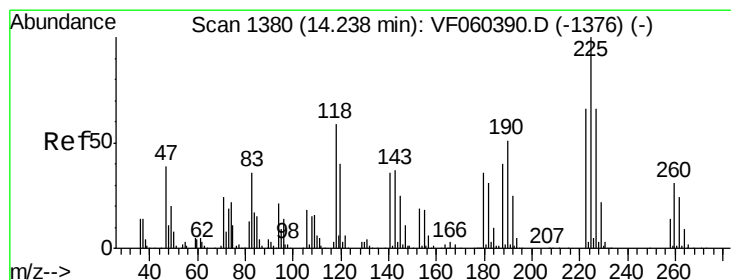
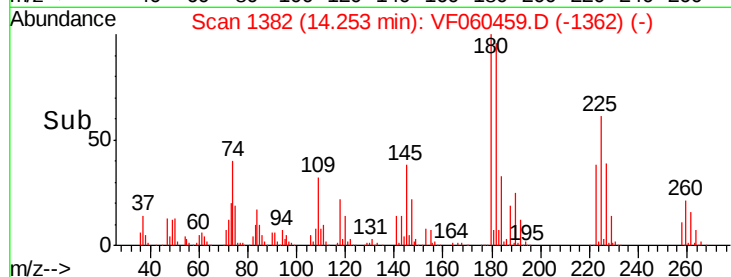
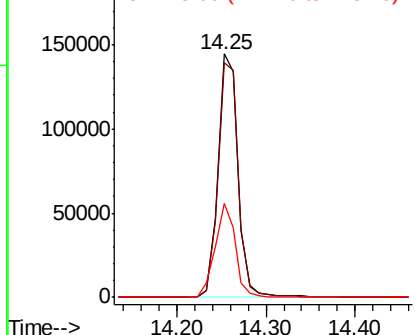
#93
 1,2,4-Trichlorobenzene
 Concen: 51.171 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 228302
 Ion Ratio Lower Upper
 180 100
 182 96.4 50.3 150.9
 145 38.4 15.5 46.5

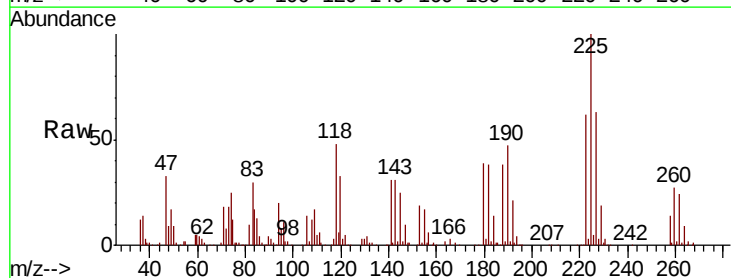


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

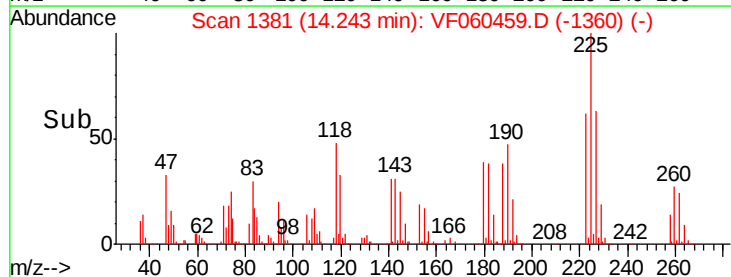
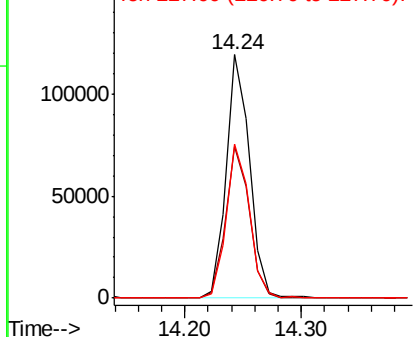


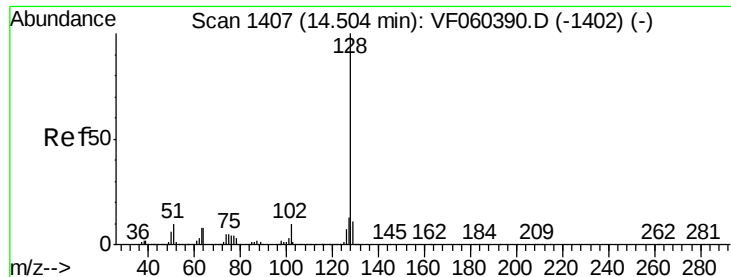
#94
 Hexachlorobutadiene
 Concen: 53.210 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion:225 Resp: 165687
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.8 98.4
 227 63.0 33.0 99.0



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

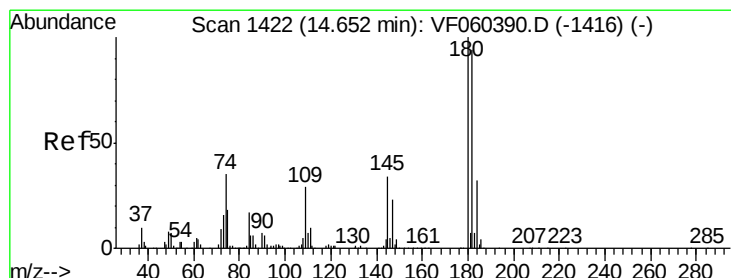
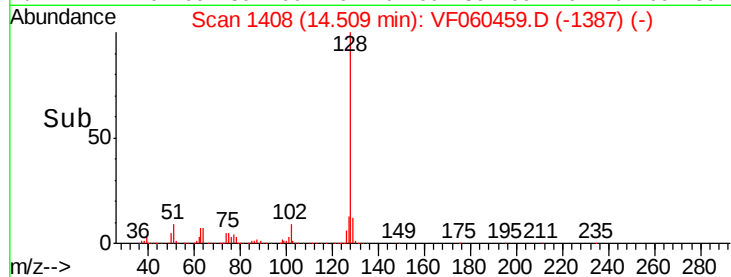
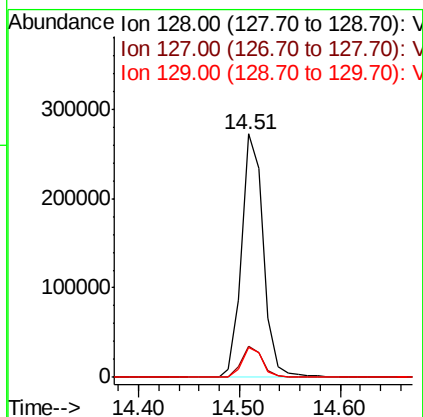
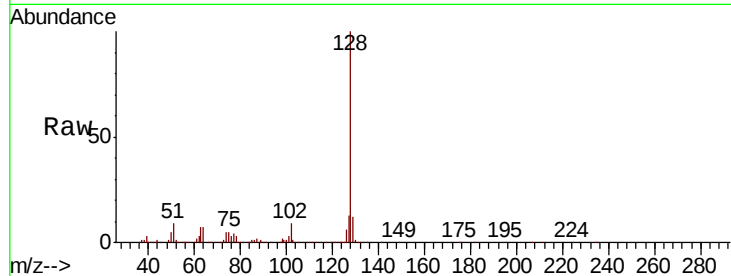




#95
Naphthalene
Concen: 51.340 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 409540
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 12.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.603 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion:180 Resp: 219995
Ion Ratio Lower Upper
180 100
182 95.3 46.8 140.3
145 34.0 16.9 50.6

