

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060437.D
 Acq On : 4 Oct 2018 15:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:26:23 PM

Quant Time: Oct 04 17:28:29 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	5.04	168	269426	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	461186	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	404033	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	223297	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	196501	46.61	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.22%	
35) Dibromofluoromethane	4.28	113	209211	48.29	ug/l	0.02
Spiked Amount 50.000			Recovery	=	96.58%	
50) Toluene-d8	7.70	98	540929	50.70	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.50	95	232061	47.63	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	271543	46.500	ug/l	99
3) Chloromethane	1.13	50	184649	50.470	ug/l	97
4) Vinyl Chloride	1.18	62	195162	51.279	ug/l	99
5) Bromomethane	1.36	94	140585	47.689	ug/l	98
6) Chloroethane	1.44	64	99549	52.415	ug/l	95
7) Trichlorofluoromethane	1.54	101	416110	47.124	ug/l	99
8) Diethyl Ether	1.69	74	61950	51.193	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	204970	48.460	ug/l	98
10) Methyl Iodide	1.97	142	326239m	50.578	ug/l	
11) Tert butyl alcohol	2.68	59	60344	236.636	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	165582	50.666	ug/l	99
13) Acrolein	2.08	56	46071	224.650	ug/l	97
14) Allyl chloride	2.19	41	280717	53.607	ug/l	93
15) Acrylonitrile	3.06	53	117892	269.804	ug/l	90
16) Acetone	2.34	43	258345	302.476	ug/l	95
17) Carbon Disulfide	1.89	76	494598	49.979	ug/l	95
18) Methyl Acetate	2.44	43	81889	51.744	ug/l #	89
19) Methyl tert-butyl Ether	2.53	73	385180	48.390	ug/l	98
20) Methylene Chloride	2.28	84	162258m	53.075	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	162780	49.872	ug/l	96
22) Diisopropyl ether	2.92	45	503637	52.986	ug/l	94
23) Vinyl Acetate	3.32	43	1014752	268.756	ug/l	97
24) 1,1-Dichloroethane	3.00	63	320647	49.885	ug/l	100
25) 2-Butanone	4.49	43	296326	271.452	ug/l	92
26) 2,2-Dichloropropane	3.75	77	179836	49.399	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	187802	51.462	ug/l	99
28) Bromochloromethane	3.87	49	118528	50.034	ug/l	96
29) Tetrahydrofuran	4.24	42	118637	289.220	ug/l	98
30) Chloroform	4.03	83	404944	51.056	ug/l	94
31) Cyclohexane	3.84	56	240763	52.163	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	324496	49.166	ug/l	97
36) 1,1-Dichloropropene	4.44	75	295836	52.028	ug/l	97
37) Ethyl Acetate	4.28	43	107917	49.562	ug/l #	82
38) Carbon Tetrachloride	4.16	117	362028	52.307	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	290903	52.186	ug/l	92
40) Benzene	4.80	78	600960	53.239	ug/l	100
41) Methacrylonitrile	4.91	41	59897	51.881	ug/l	91
42) 1,2-Dichloroethane	5.11	62	268406	49.842	ug/l	98
43) Isopropyl Acetate	7.10	43	143560	54.557	ug/l	94
44) Trichloroethene	5.66	130	183703	50.720	ug/l	98
45) 1,2-Dichloropropane	6.39	63	162153	53.942	ug/l	94
46) Dibromomethane	6.25	93	107653	44.542	ug/l	90
47) Bromodichloromethane	6.53	83	292630	48.887	ug/l	93
48) Methyl methacrylate	6.86	41	95169	50.384	ug/l	95
49) 1,4-Dioxane	6.86	88	16952	1040.874	ug/l #	72
51) 4-Methyl-2-Pentanone	8.40	43	516431	275.706	ug/l	97
52) Toluene	7.77	92	371282	48.426	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	233281	49.729	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	292826	53.411	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	120271	49.490	ug/l	92
56) Ethyl methacrylate	8.75	69	143752	52.055	ug/l	99
57) 1,3-Dichloropropane	8.99	76	217672	52.945	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	66857	237.017	ug/l	100
59) 2-Hexanone	9.62	43	385079	280.280	ug/l	100
60) Dibromochloromethane	8.85	129	184902	50.533	ug/l	99
61) 1,2-Dibromoethane	9.13	107	143524	53.973	ug/l	96
64) Tetrachloroethene	8.30	164	171307	53.336	ug/l	96
65) Chlorobenzene	9.94	112	444617	53.571	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	188488	52.013	ug/l	94
67) Ethyl Benzene	10.03	91	820509	51.994	ug/l	99
68) m/p-Xylenes	10.26	106	563035	103.787	ug/l	95
69) o-Xylene	10.82	106	318853	53.922	ug/l	97
70) Styrene	10.89	104	434518	51.661	ug/l	99
71) Bromoform	10.88	173	96796	50.169	ug/l #	91
73) Isopropylbenzene	11.22	105	933437	53.091	ug/l	98
74) N-amyl acetate	11.45	43	218239	54.085	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	171927	53.636	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	123317	52.257	ug/l	92
77) Bromobenzene	11.59	156	200033	50.897	ug/l	96
78) n-propylbenzene	11.68	91	1088353	51.062	ug/l	98
79) 2-Chlorotoluene	11.81	91	642038	51.495	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	756378	50.636	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	59556m	56.933	ug/l	
82) 4-Chlorotoluene	11.99	91	638416	50.044	ug/l	97
83) tert-Butylbenzene	12.21	119	772307	52.419	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	763392	51.531	ug/l	99
85) sec-Butylbenzene	12.38	105	1042553	51.265	ug/l	99
86) p-Isopropyltoluene	12.54	119	842009	50.679	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	373647	50.523	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	360303	49.407	ug/l	99
89) n-Butylbenzene	12.91	91	888585	50.542	ug/l	98
90) Hexachloroethane	12.99	117	223600	52.071	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	353085	49.828	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	33780	54.360	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	269463	50.877	ug/l	94
94) Hexachlorobutadiene	14.25	225	183582	49.663	ug/l	96
95) Naphthalene	14.52	128	536293	56.633	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	255839	51.531	ug/l	97

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

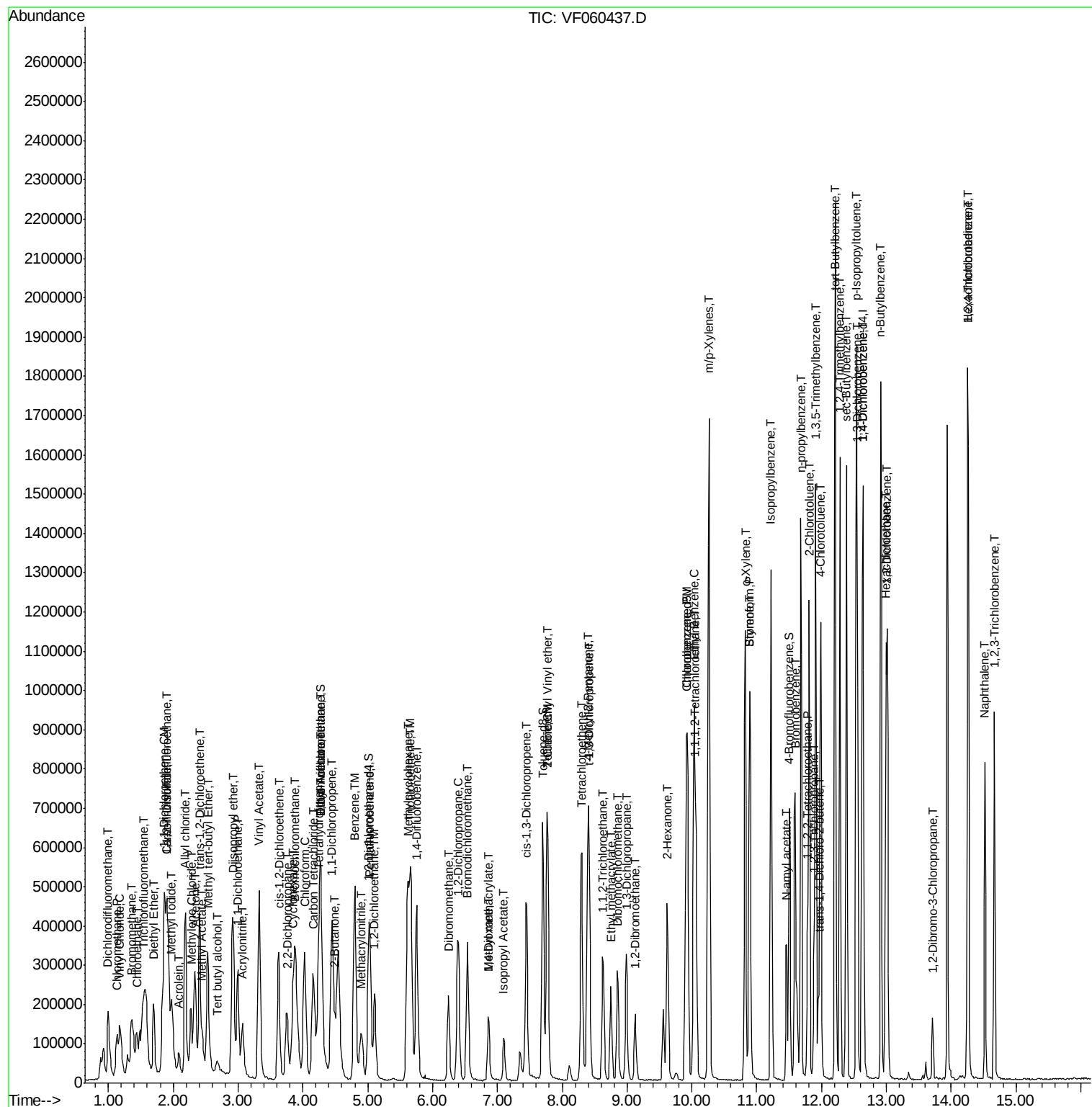
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100418\
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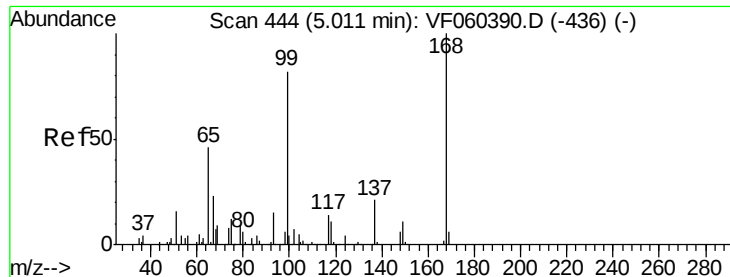
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 269426

Ion Ratio Lower Upper

168 100

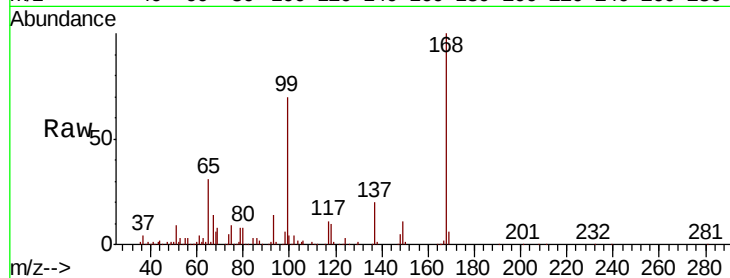
99 69.9 65.3 97.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

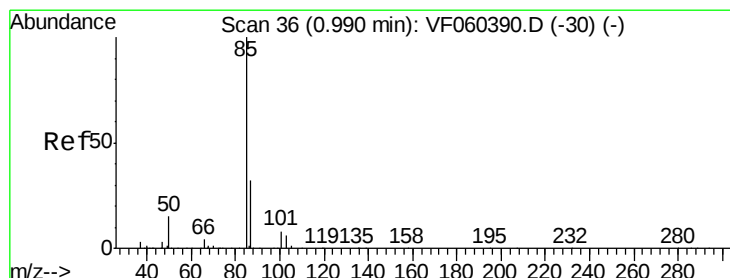
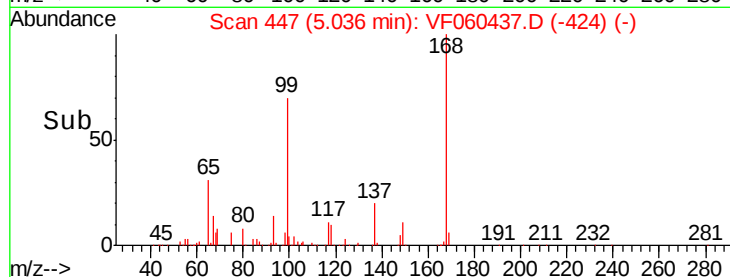
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.500 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060437.D

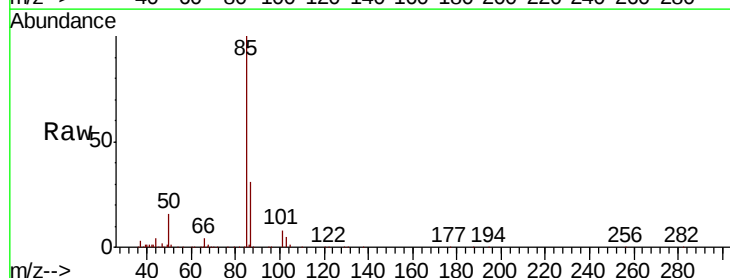
Acq: 4 Oct 2018 15:03

Tgt Ion: 85 Resp: 271543

Ion Ratio Lower Upper

85 100

87 31.4 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

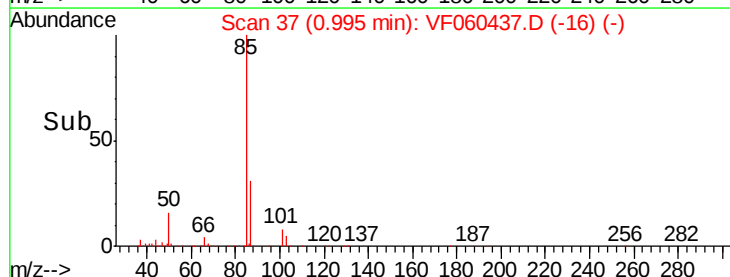
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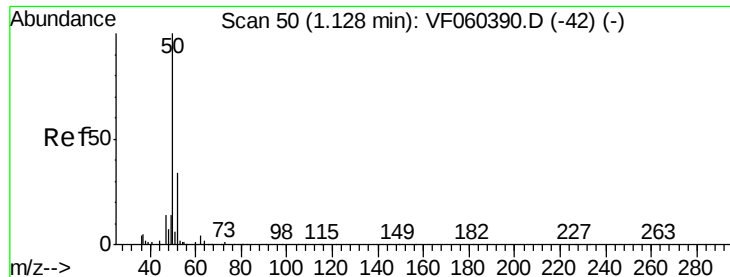
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 50.470 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 184649

Ion Ratio Lower Upper

50 100

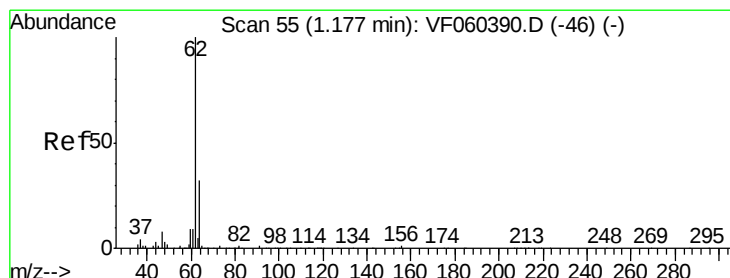
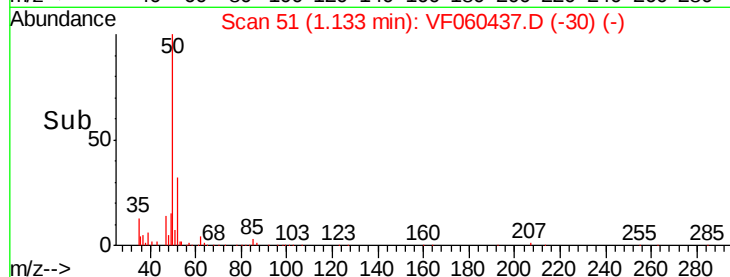
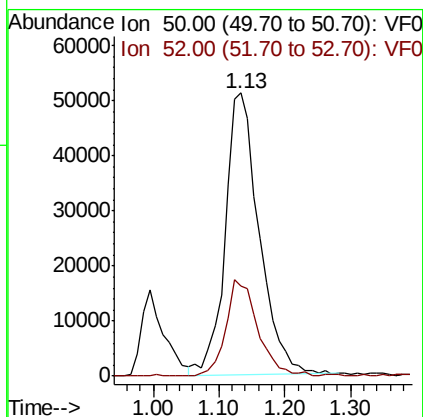
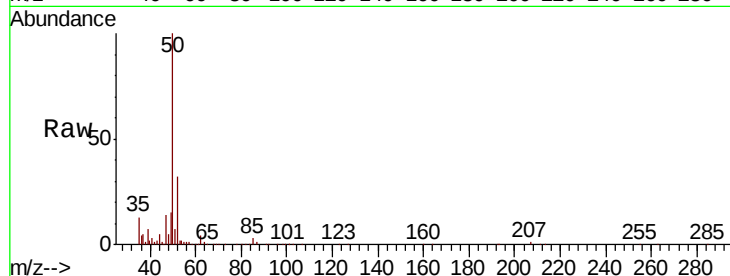
52 32.0 26.9 40.3

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#4

Vinyl Chloride

Concen: 51.279 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060437.D

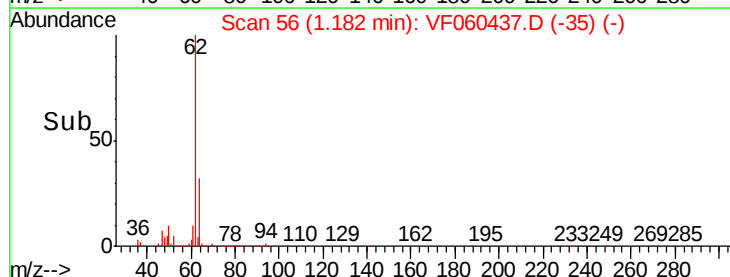
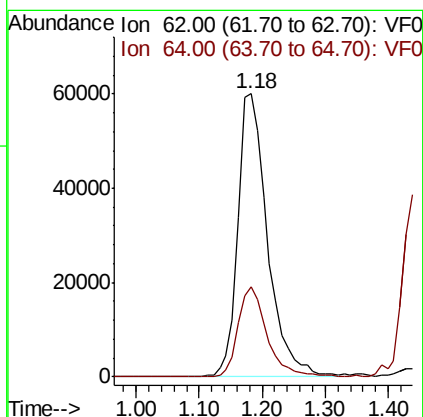
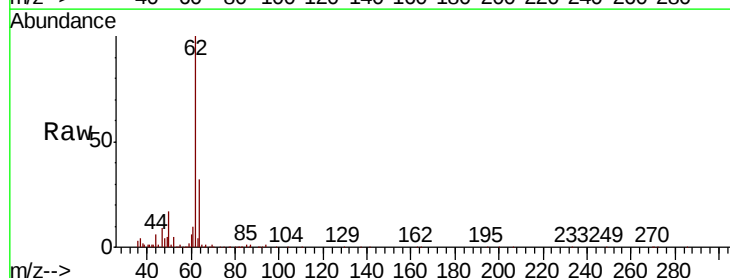
Acq: 4 Oct 2018 15:03

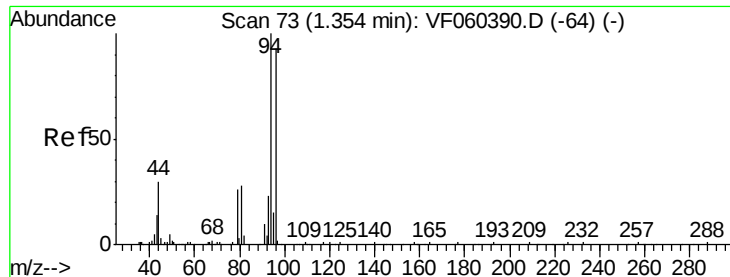
Tgt Ion: 62 Resp: 195162

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.6





#5

Bromomethane

Concen: 47.689 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

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ClientSampleId :

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Tot Ion: 94 Resp: 140585

Ion Ratio Lower Upper

94 100

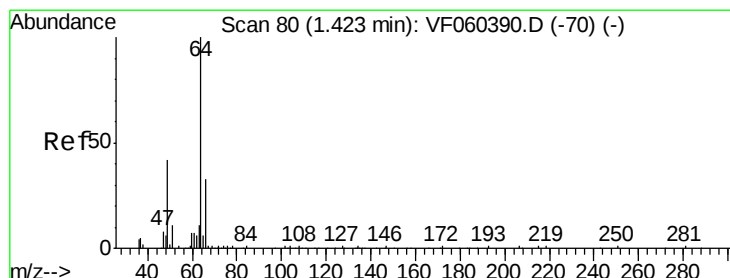
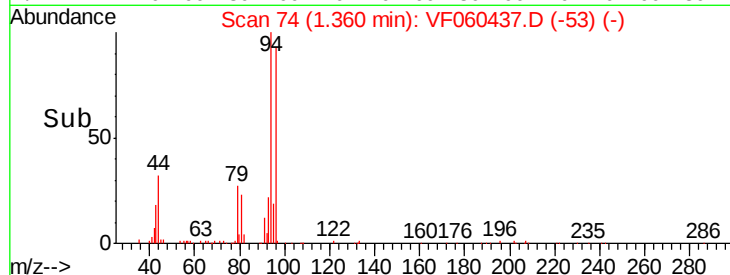
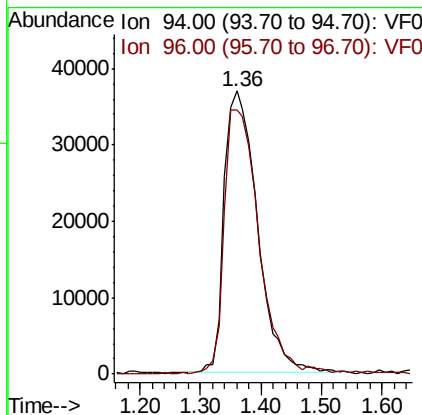
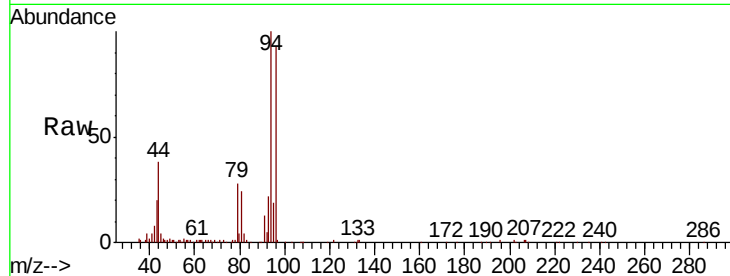
96 94.6 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 52.415 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF060437.D

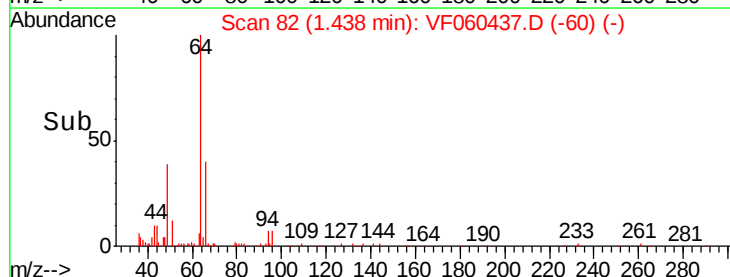
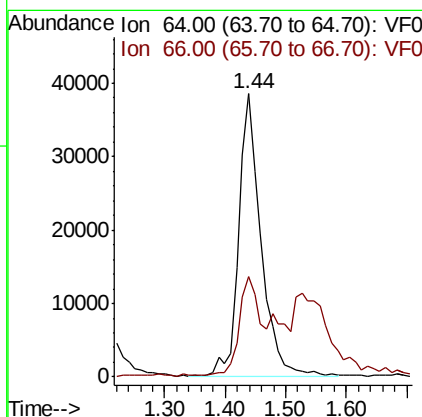
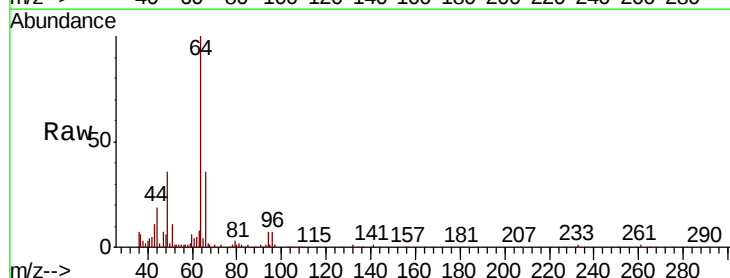
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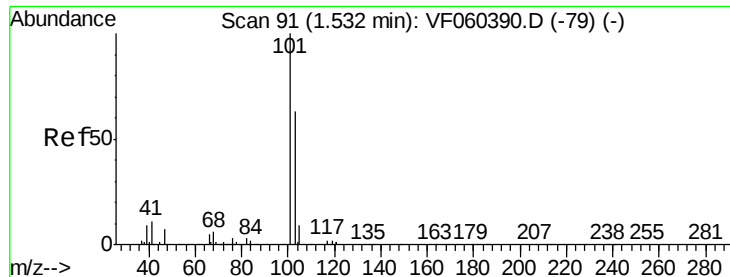
Tgt Ion: 64 Resp: 99549

Ion Ratio Lower Upper

64 100

66 35.5 26.3 39.5





#7

Trichlorofluoromethane

Concen: 47.124 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF060437.D

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MSVOA_F

ClientSampleId :

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Tot Ion:101 Resp: 416110

Ion Ratio Lower Upper

101 100

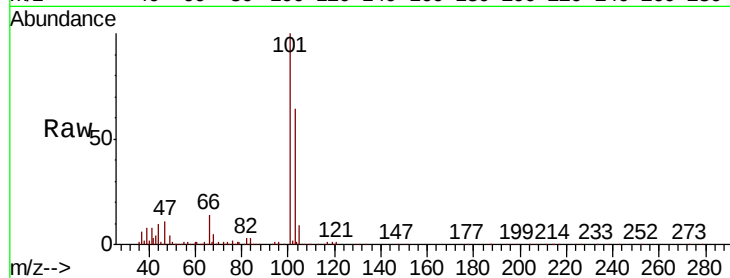
103 64.3 51.0 76.4

Manual Integrations

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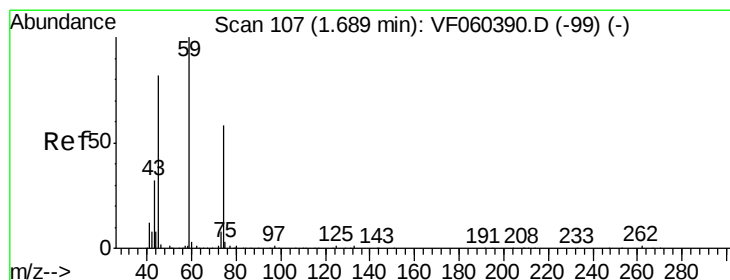
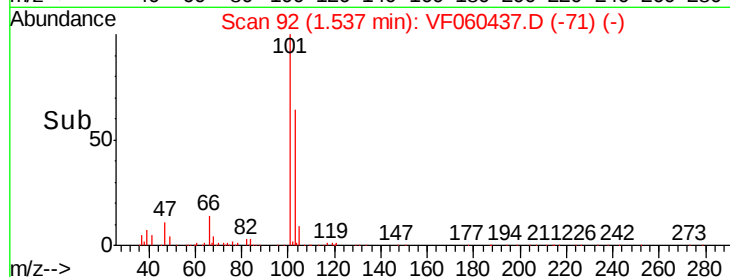
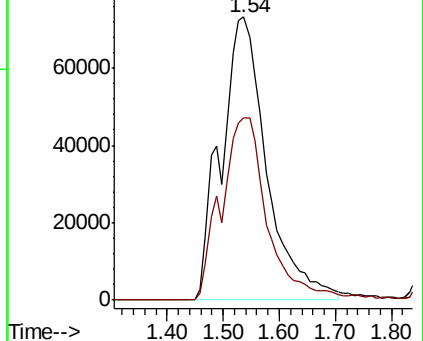
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.193 ug/l

RT: 1.69 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF060437.D

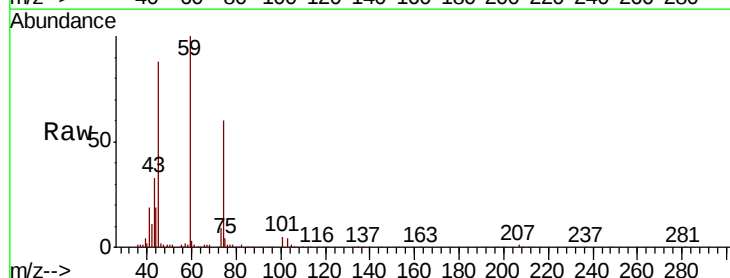
Acq: 4 Oct 2018 15:03

Tgt Ion: 74 Resp: 61950

Ion Ratio Lower Upper

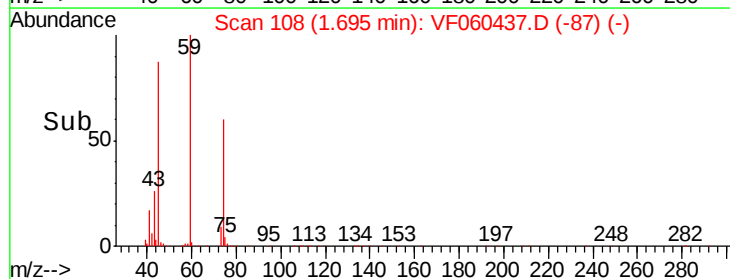
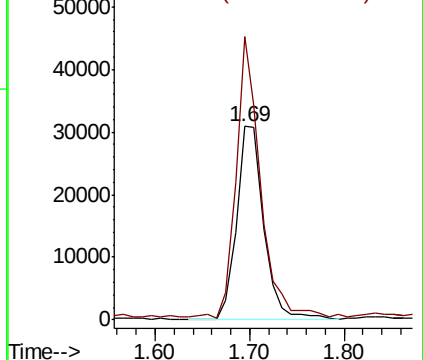
74 100

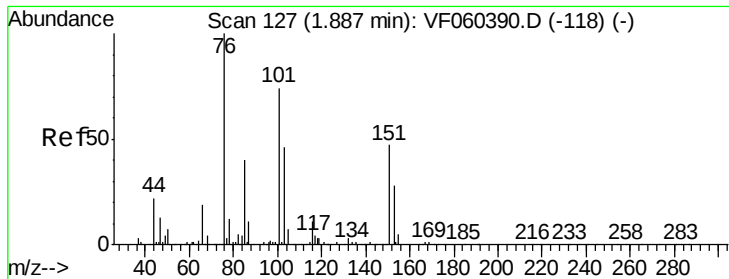
45 146.5 71.3 213.8



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: 48.460 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

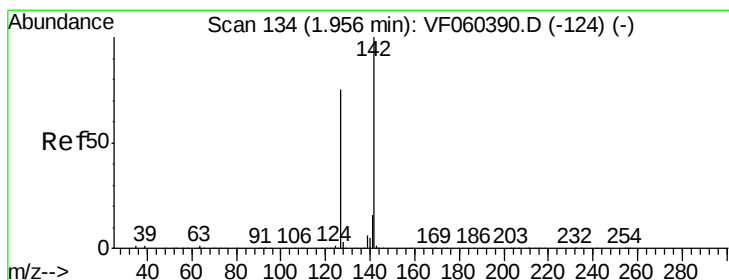
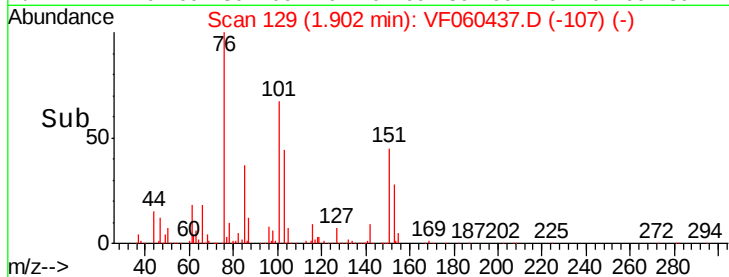
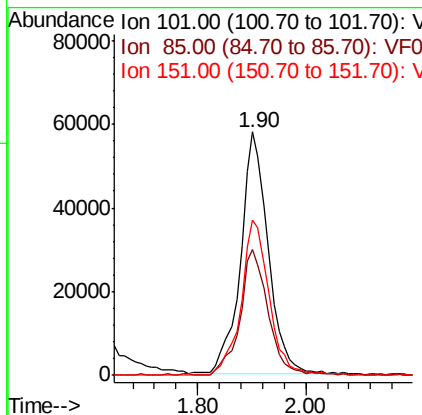
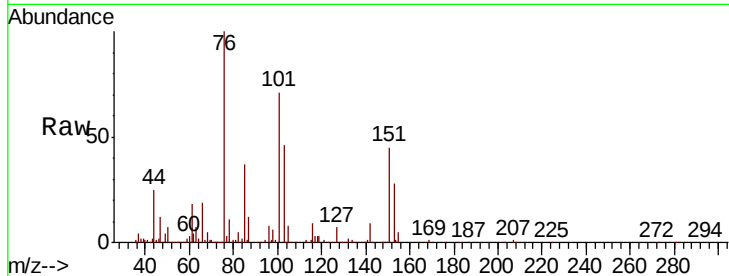
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	204970
Ion Ratio	Lower	Upper	
101	100		
85	51.5	42.5	63.7
151	63.7	49.8	74.8

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#10

Methyl Iodide

Concen: 50.578 ug/l m

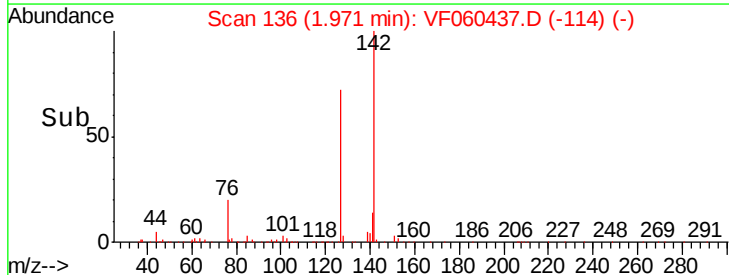
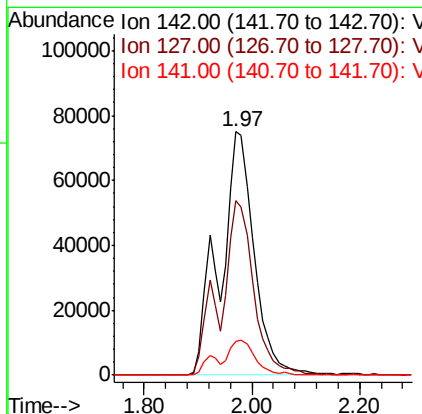
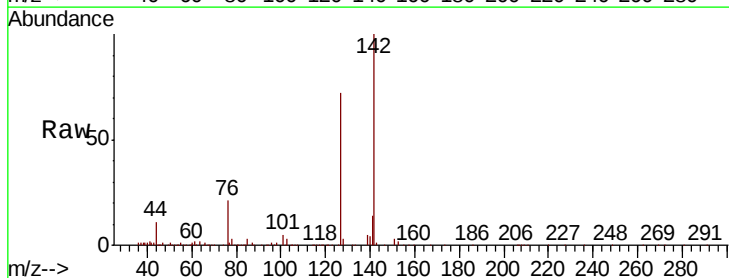
RT: 1.97 min Scan# 136

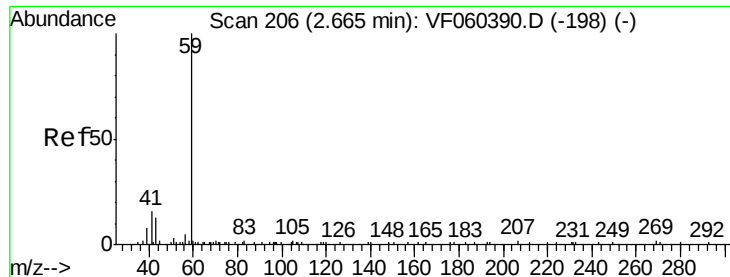
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	142	Resp:	326239
Ion Ratio	Lower	Upper	
142	100		
127	71.9	60.2	90.2
141	13.8	13.1	19.7





#11

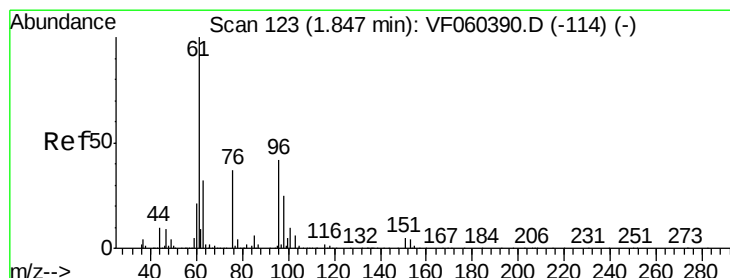
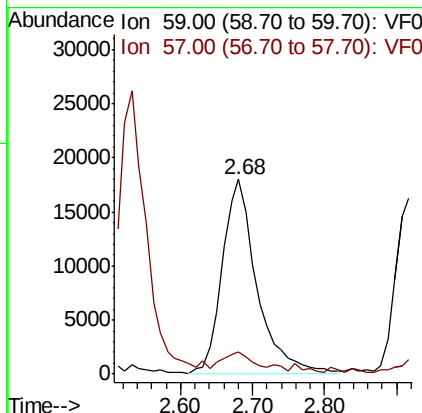
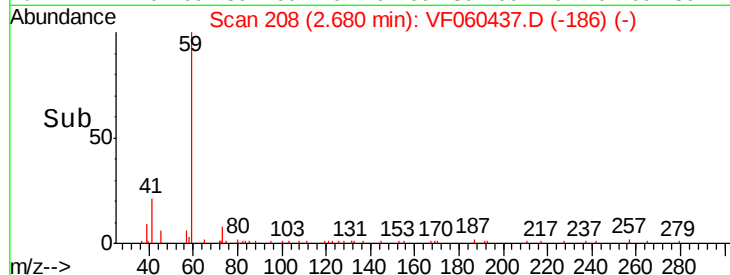
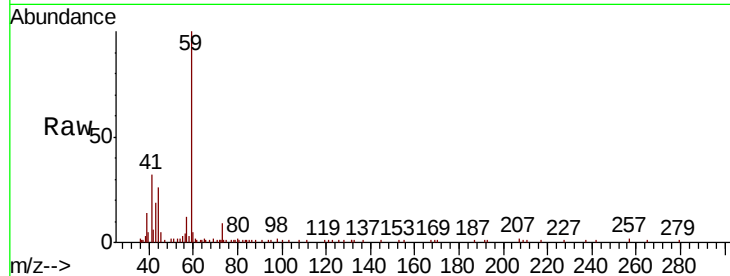
Tert butyl alcohol
Concen: 236.636 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	6.5	9.7#

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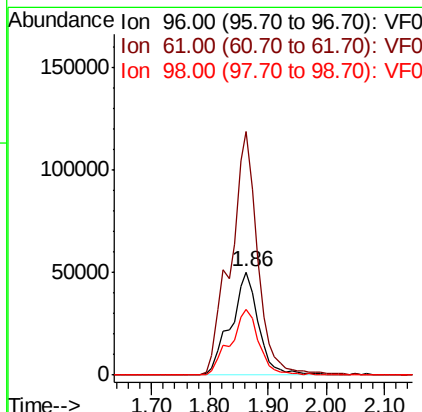
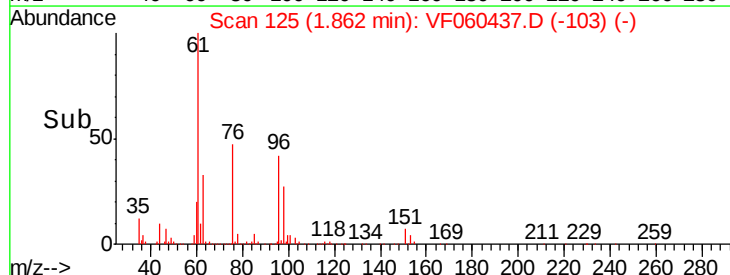
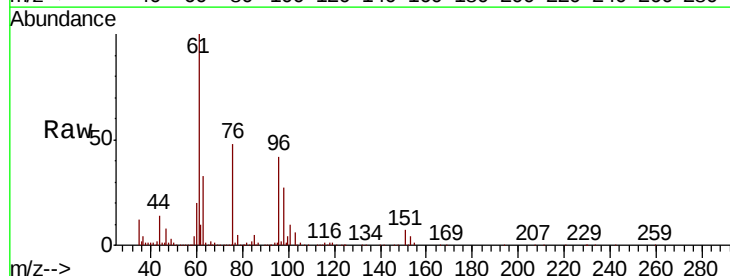
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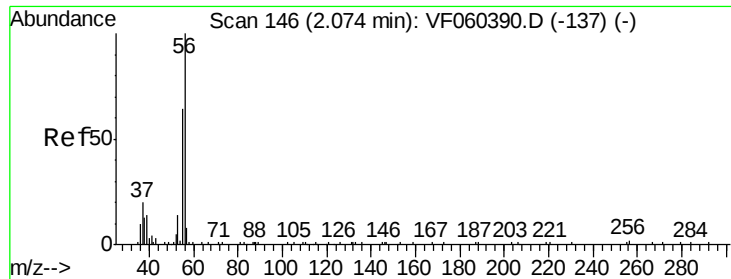


#12

1,1-Dichloroethene
Concen: 50.666 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.5	189.4	284.0
98	63.9	47.8	71.6





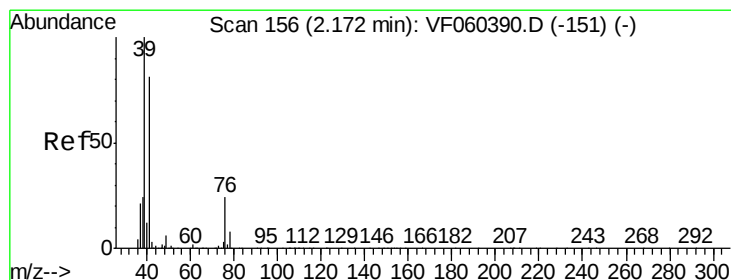
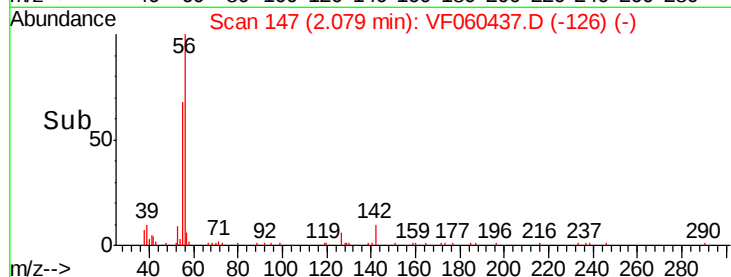
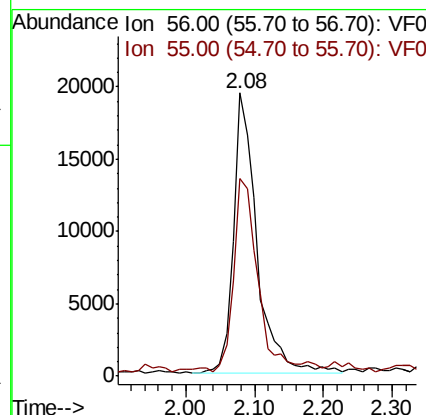
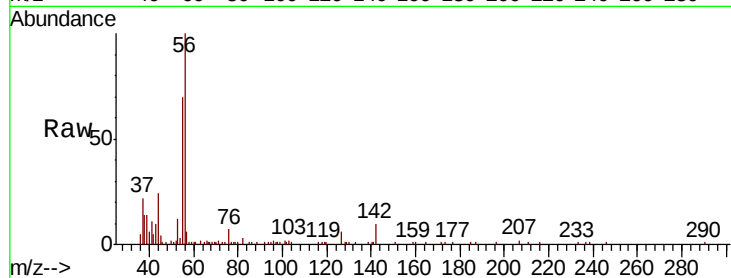
#13
Acrolein
Concen: 224.650 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.6	53.9	80.9

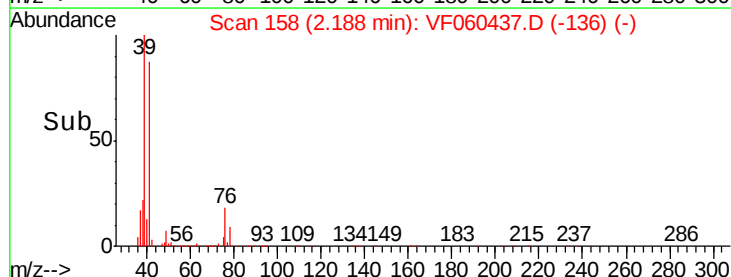
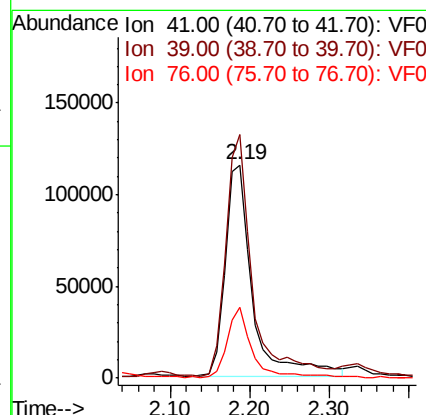
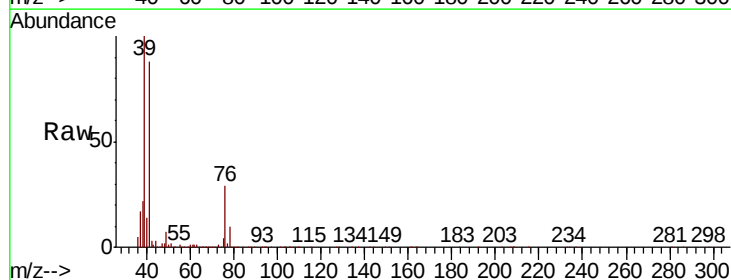
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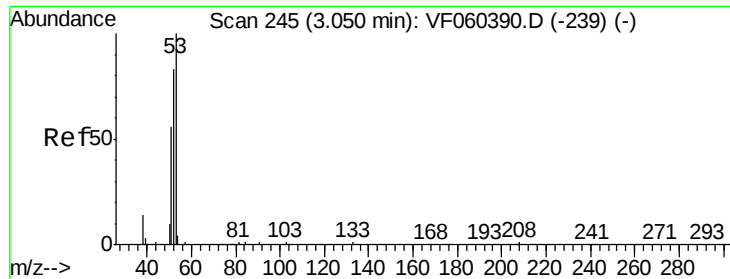
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#14
Allyl chloride
Concen: 53.607 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	114.2	98.3	147.5
76	33.4	23.9	35.9





#15

Acrylonitrile

Concen: 269.804 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

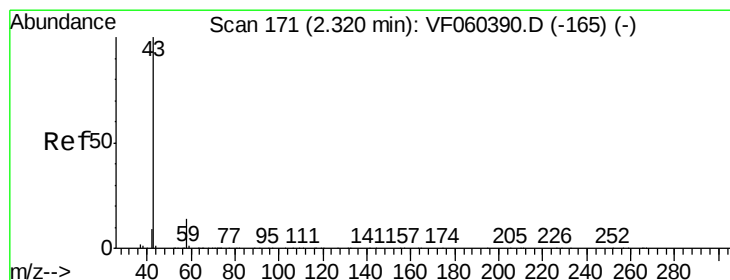
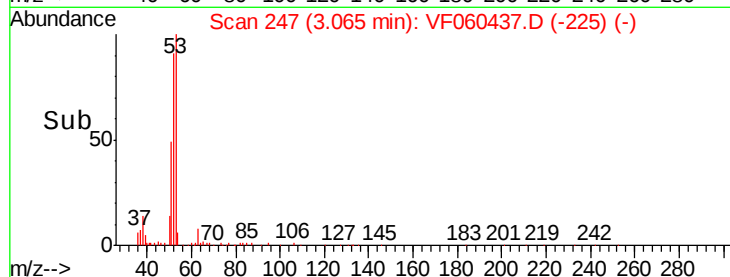
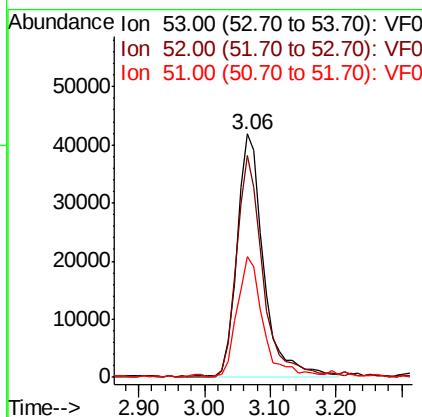
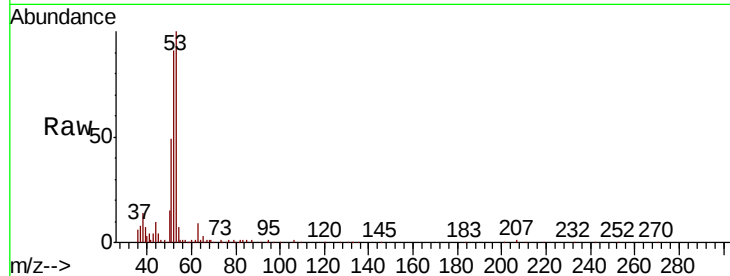
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	117892
Ion Ratio	Lower	Upper	
53	100		
52	91.2	66.0	99.0
51	49.4	45.6	68.4

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#16

Acetone

Concen: 302.476 ug/l

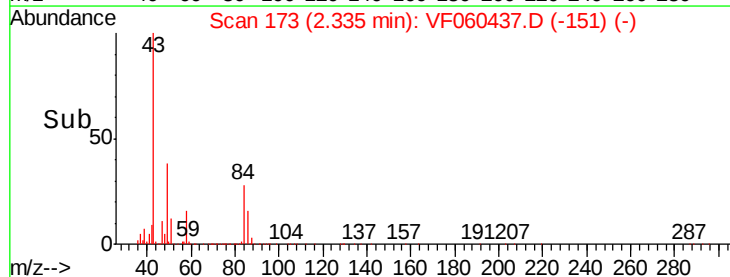
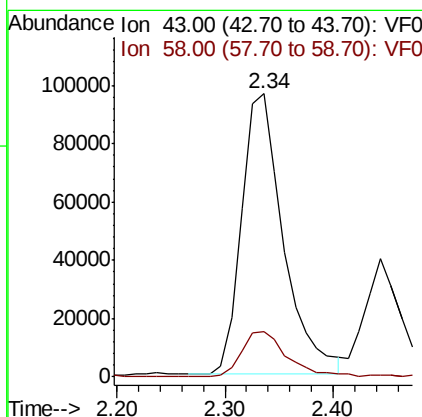
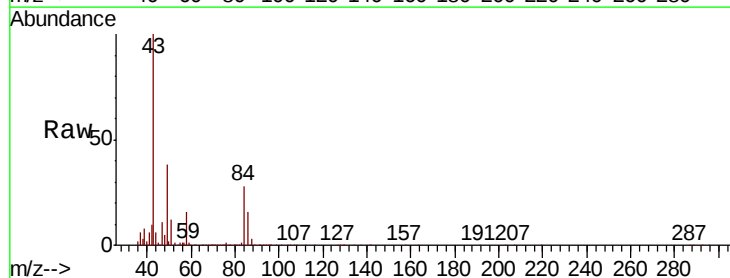
RT: 2.34 min Scan# 173

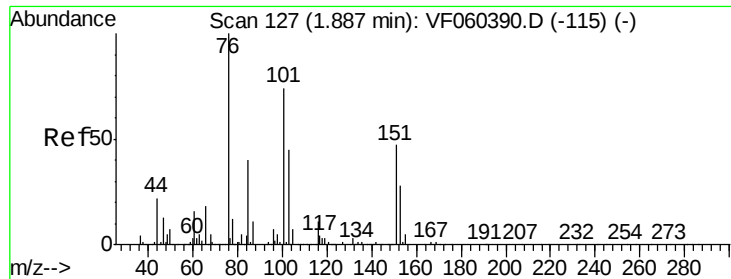
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	43	Resp:	258345
Ion Ratio	Lower	Upper	
43	100		
58	16.1	11.2	16.8





#17

Carbon Disulfide

Concen: 49.979 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 494598

Ion Ratio Lower Upper

76 100

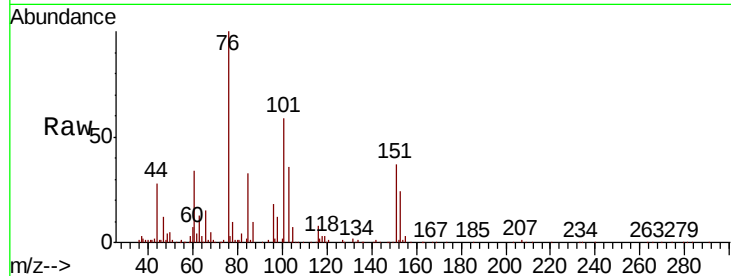
78 10.5 10.1 15.1

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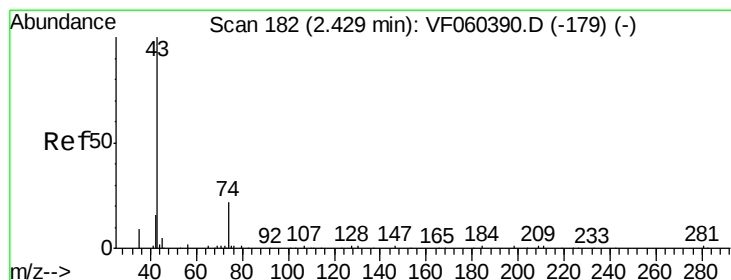
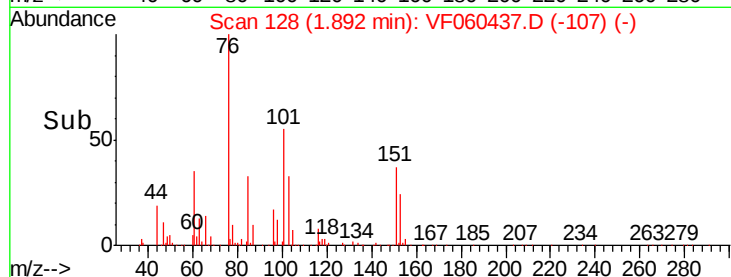
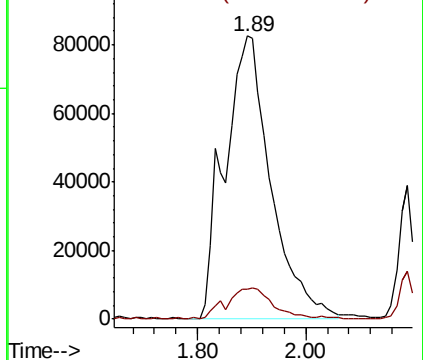
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 51.744 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF060437.D

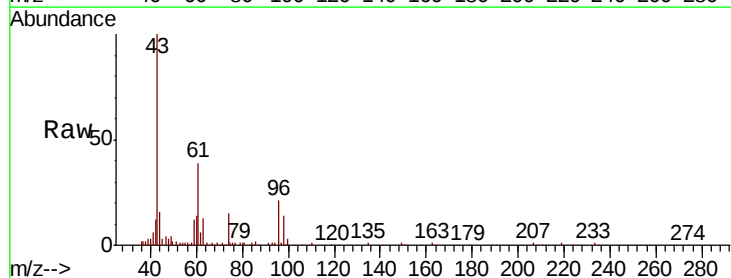
Acq: 4 Oct 2018 15:03

Tgt Ion: 43 Resp: 81889

Ion Ratio Lower Upper

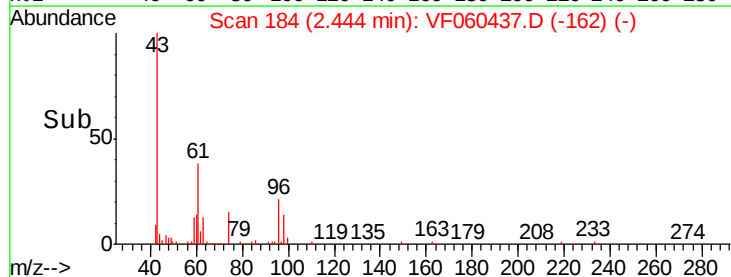
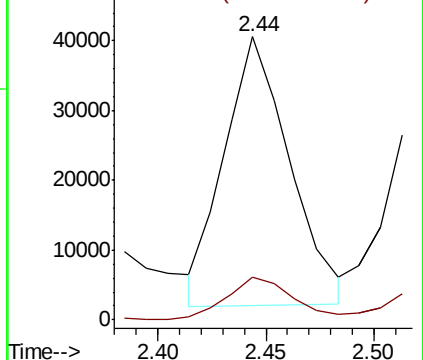
43 100

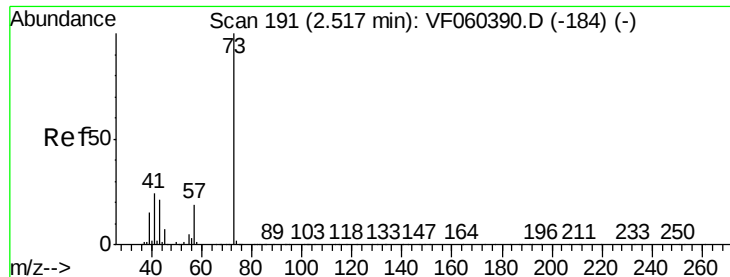
74 15.0 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





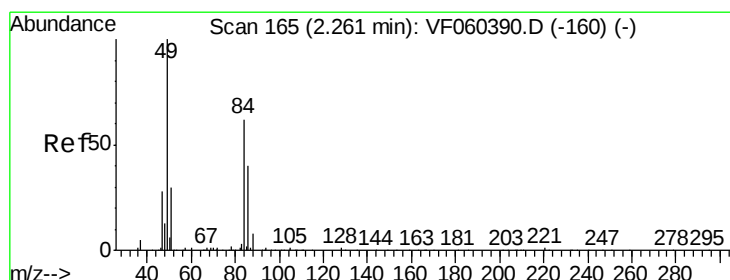
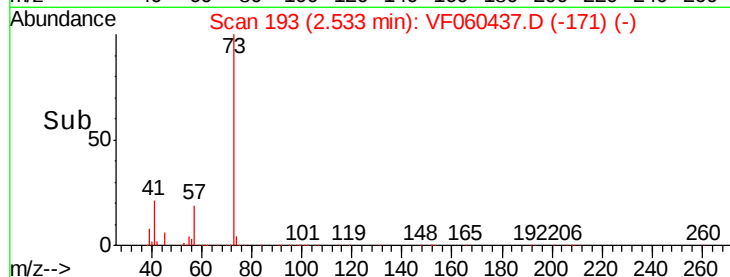
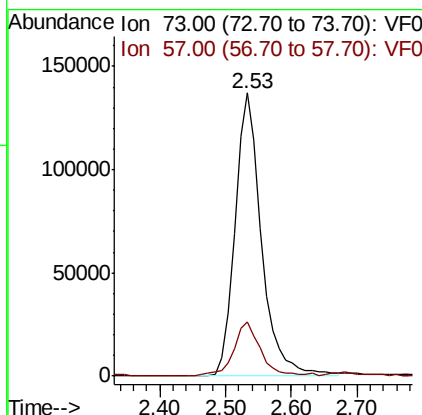
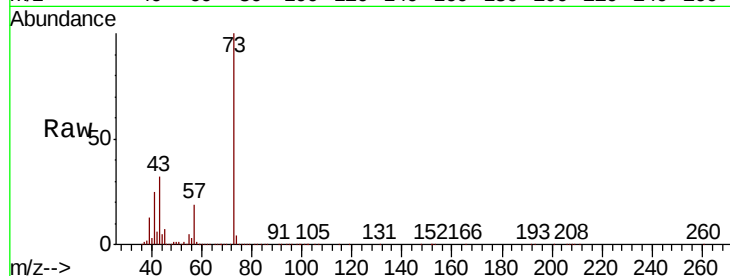
#19
Methyl tert-butyl Ether
Concen: 48.390 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.1	15.9	23.9

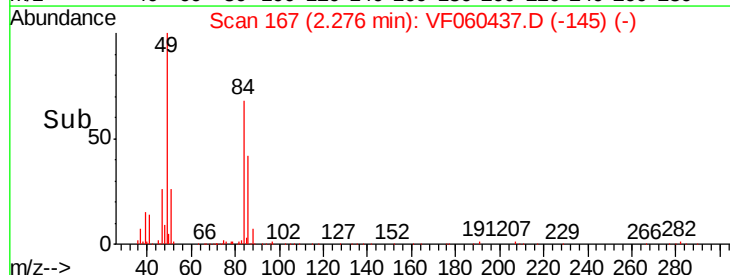
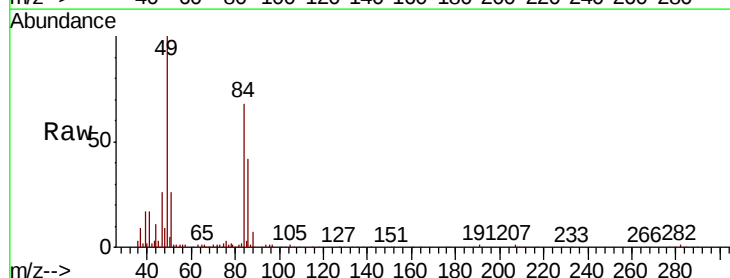
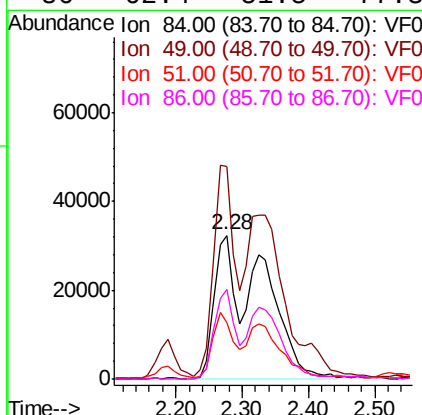
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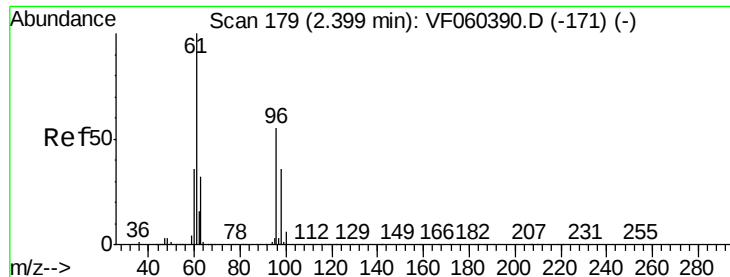
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#20
Methylene Chloride
Concen: 53.075 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.5	130.2	195.2
51	38.9	41.0	61.6#
86	62.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 49.872 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

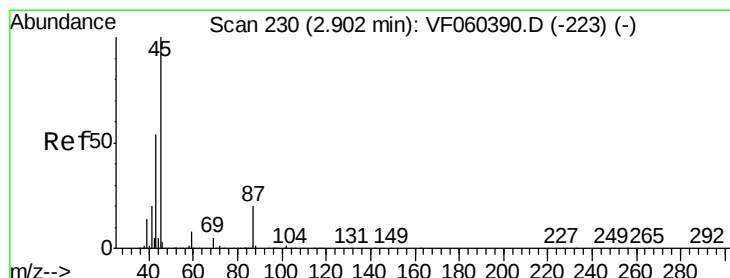
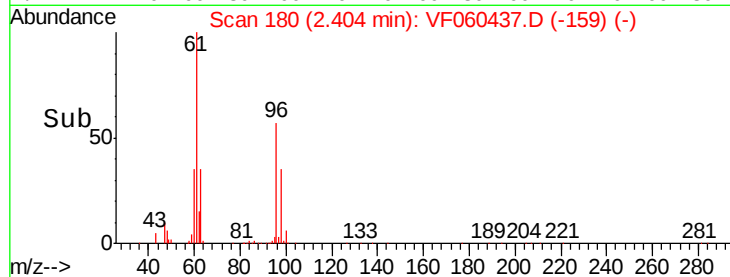
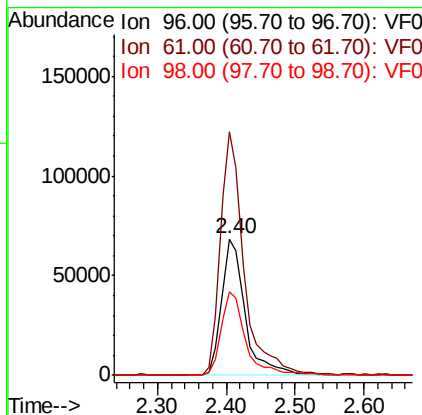
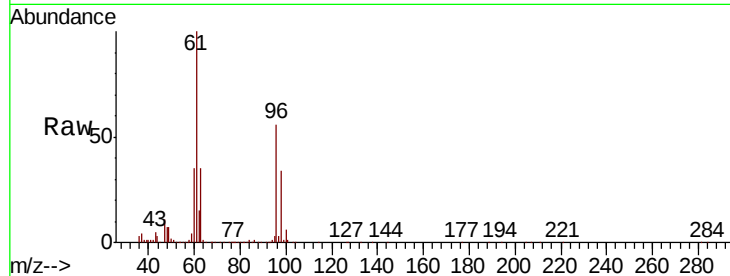
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	162780
Ion Ratio	Lower	Upper	
96	100		
61	178.4	146.2	219.2
98	61.0	52.6	78.8

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#22

Diisopropyl ether

Concen: 52.986 ug/l

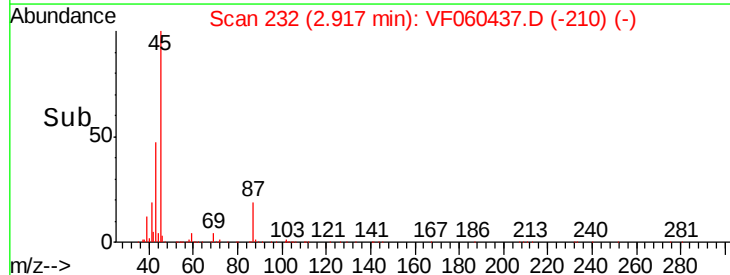
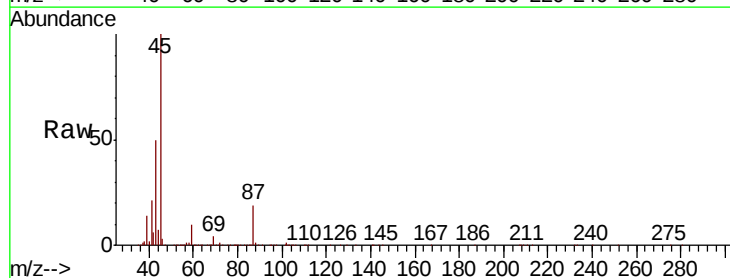
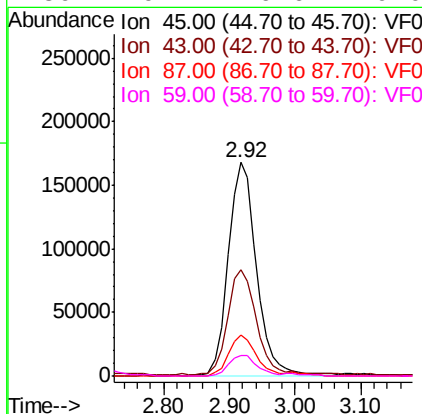
RT: 2.92 min Scan# 232

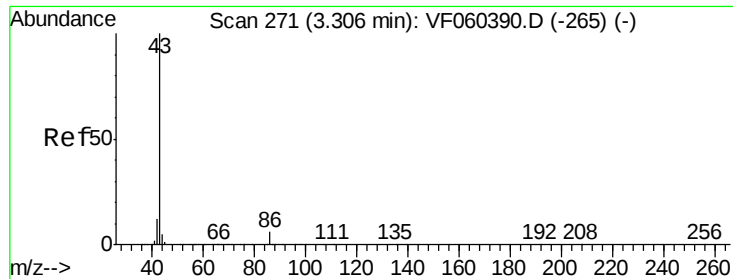
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	45	Resp:	503637
Ion Ratio	Lower	Upper	
45	100		
43	49.7	43.8	65.8
87	19.4	16.3	24.5
59	9.7	6.6	10.0





#23

Vinyl Acetate

Concen: 268.756 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1014752

Ion Ratio Lower Upper

43 100

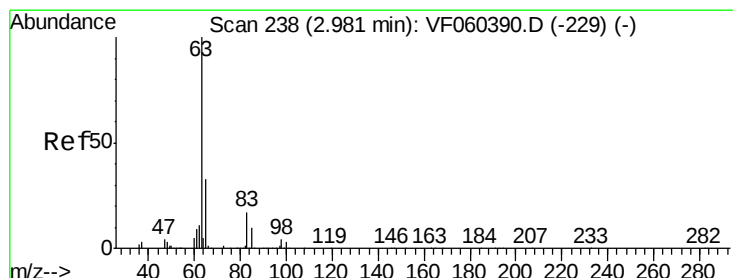
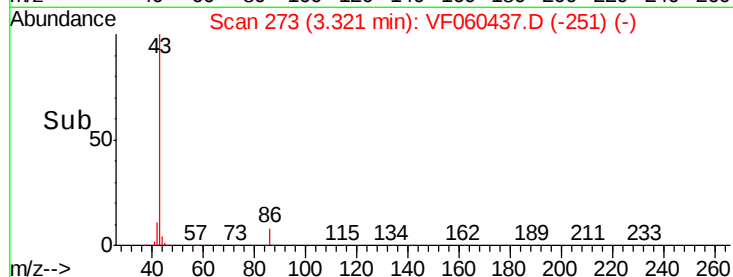
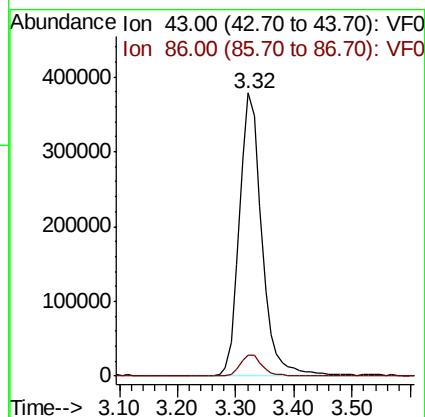
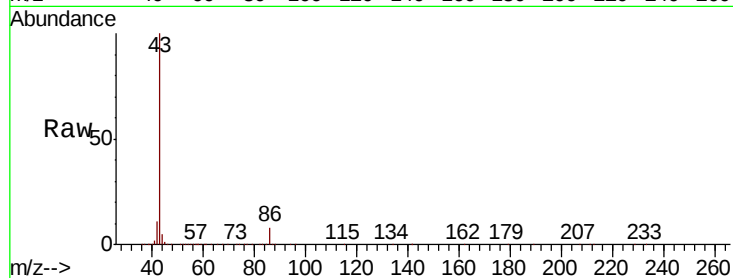
86 7.6 5.1 7.7

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#24

1,1-Dichloroethane

Concen: 49.885 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

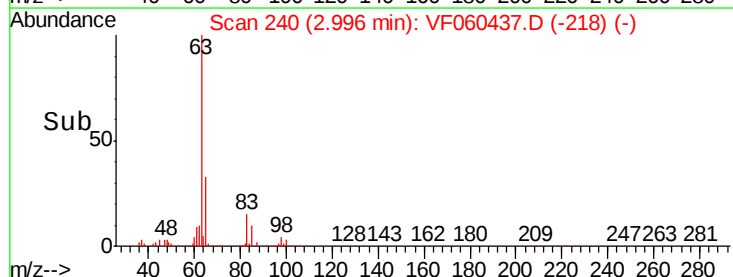
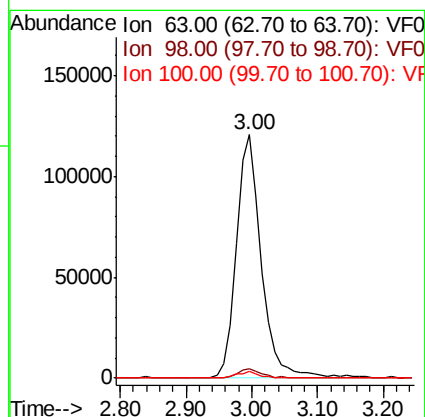
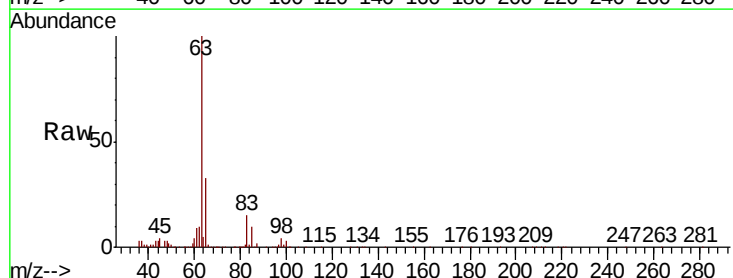
Tgt Ion: 63 Resp: 320647

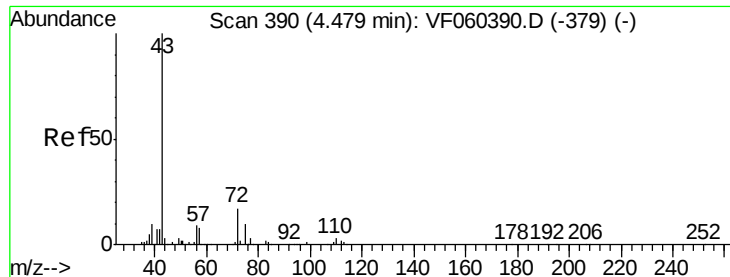
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.7 1.4 4.2





#25

2-Butanone

Concen: 271.452 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 296326

Ion Ratio Lower Upper

43 100

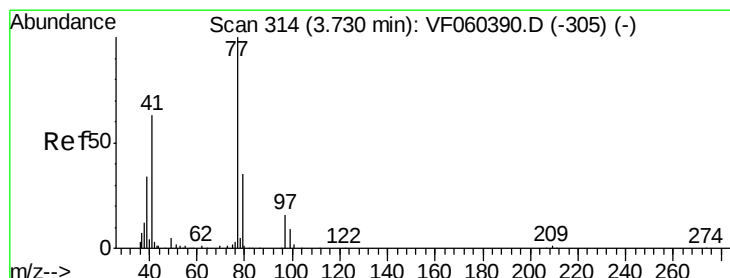
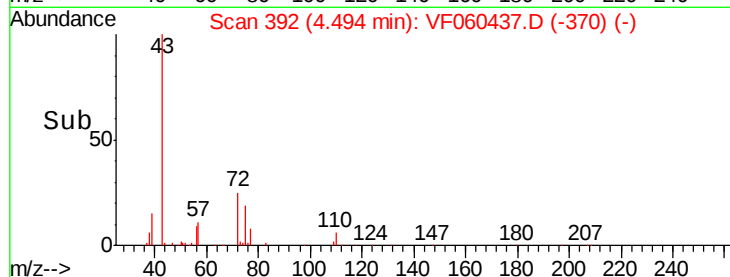
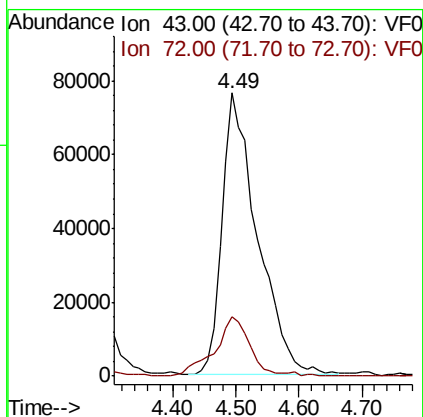
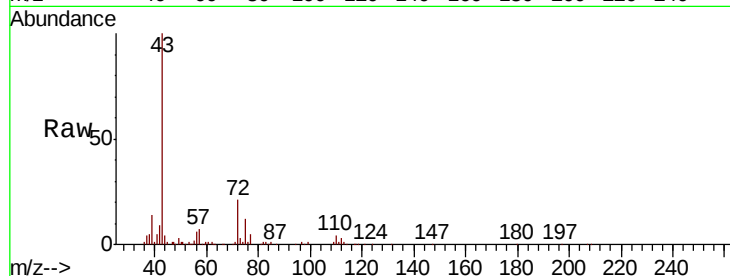
72 21.0 14.1 21.1

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#26

2,2-Dichloropropane

Concen: 49.399 ug/l

RT: 3.75 min Scan# 317

Delta R.T. 0.02 min

Lab File: VF060437.D

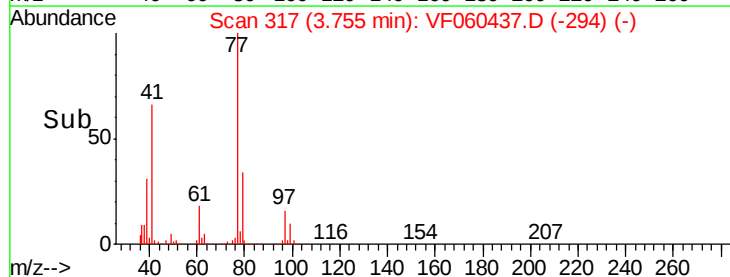
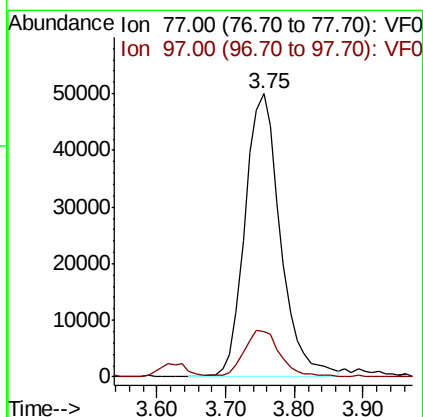
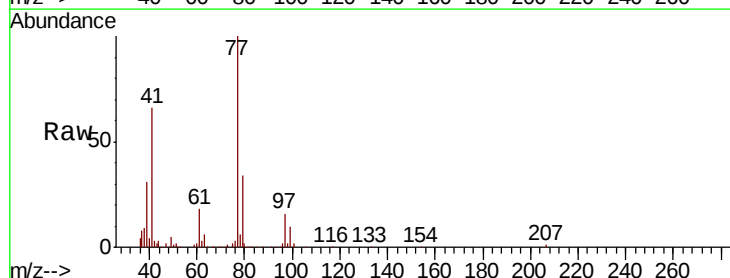
Acq: 4 Oct 2018 15:03

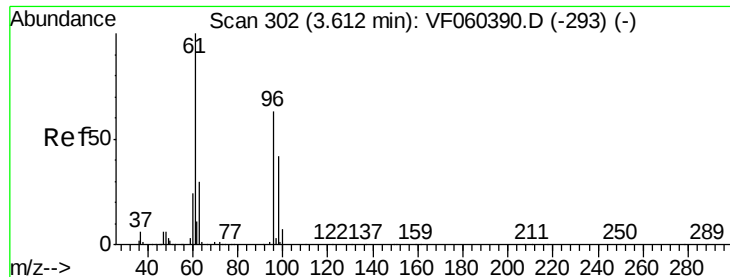
Tgt Ion: 77 Resp: 179836

Ion Ratio Lower Upper

77 100

97 16.1 8.3 25.1





#27

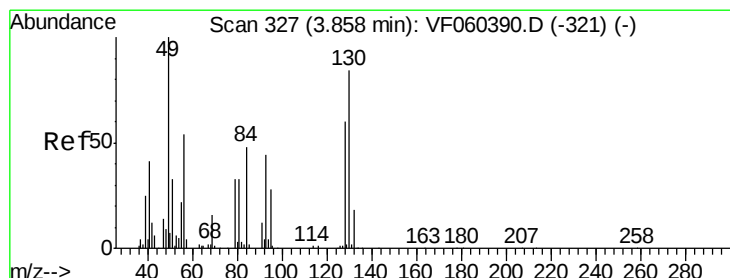
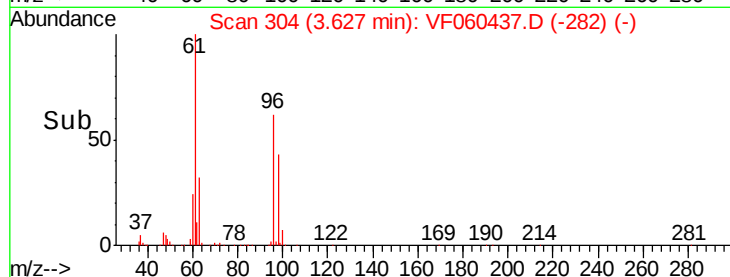
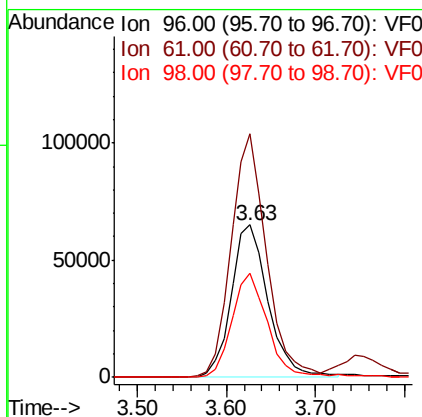
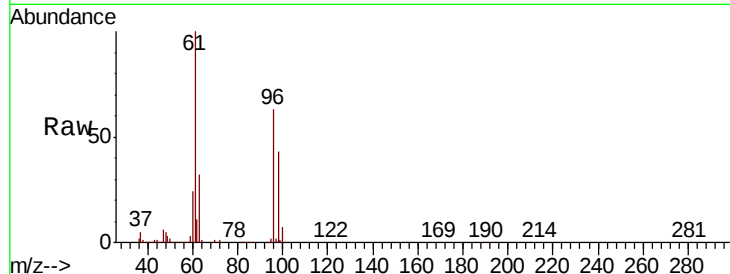
cis-1,2-Dichloroethene
Concen: 51.462 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	187802		
61	160.0	0.0	318.2	
98	68.8	0.0	134.0	

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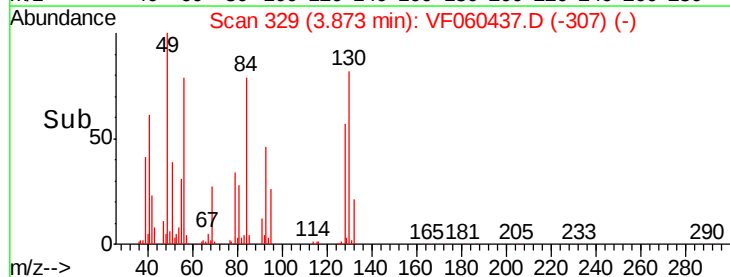
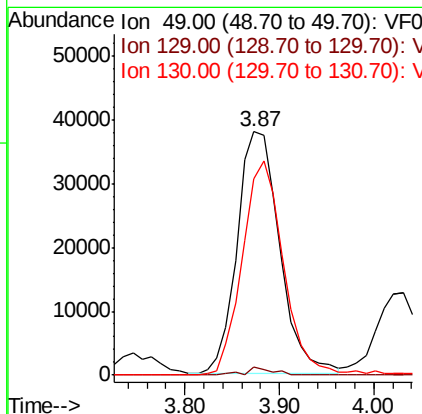
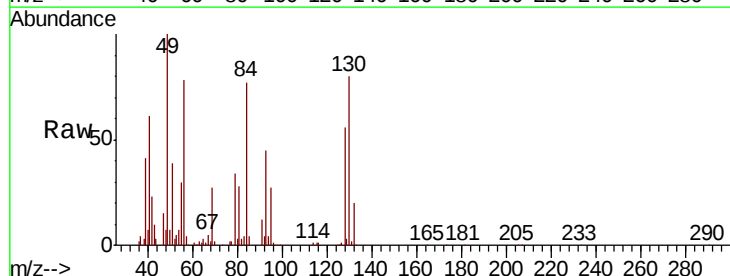
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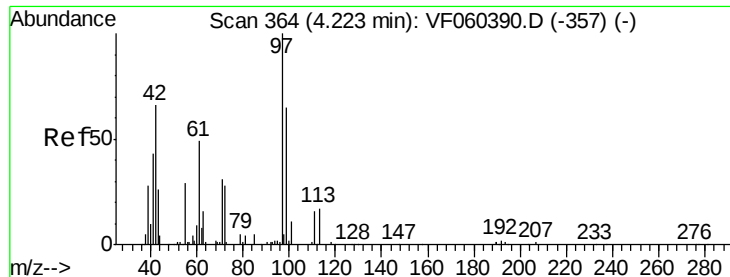


#28

Bromochloromethane
Concen: 50.034 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118528		
129	3.2	0.0	4.6	
130	80.3	67.3	100.9	





#29

Tetrahydrofuran

Concen: 289.220 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

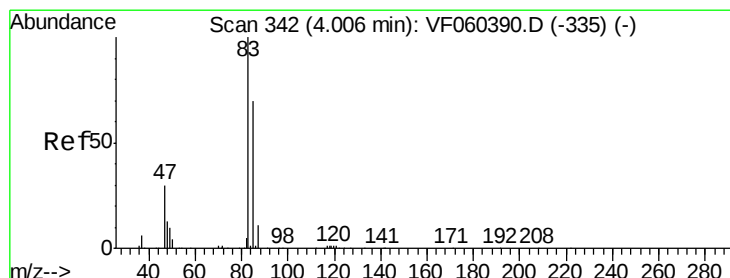
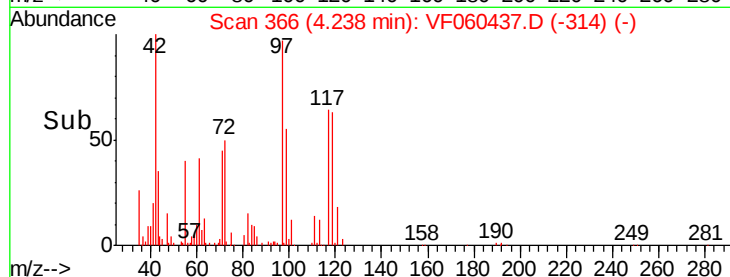
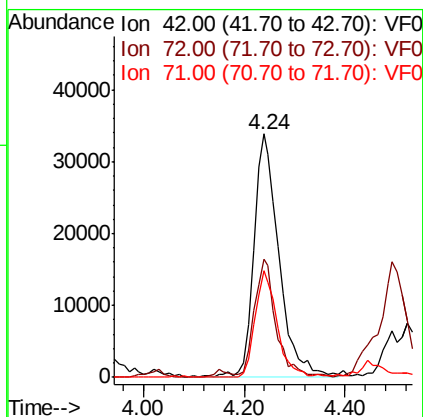
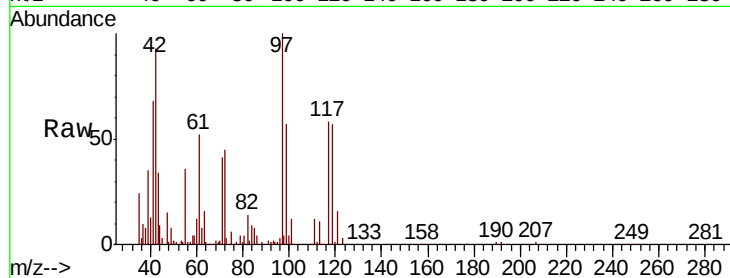
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	118637
Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.6	50.4
71	38.4	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 51.056 ug/l

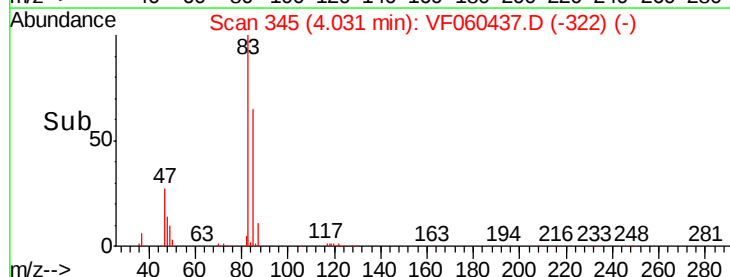
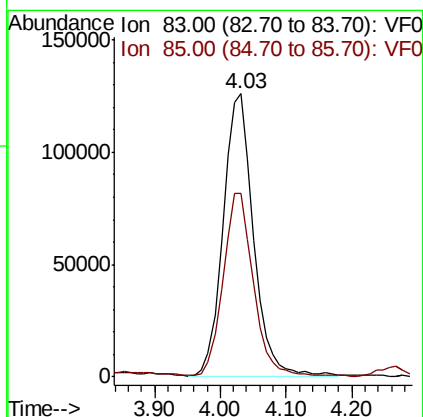
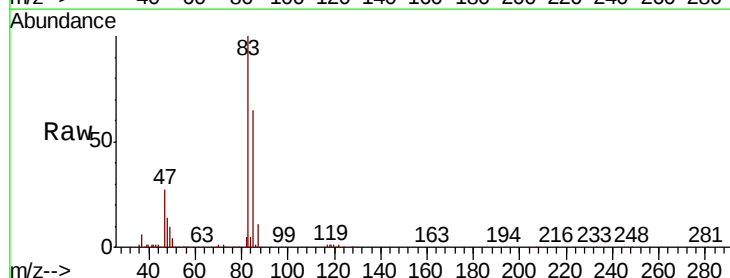
RT: 4.03 min Scan# 345

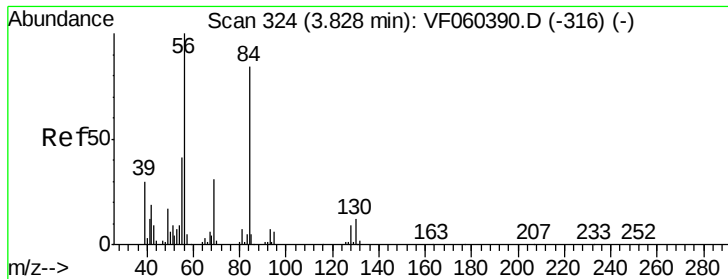
Delta R.T. 0.03 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	83	Resp:	404944
Ion	Ratio	Lower	Upper
83	100		
85	64.9	55.9	83.9





#31

Cyclohexane

Concen: 52.163 ug/l

RT: 3.84 min Scan# 326

Delta R.T. 0.02 min

Lab File: VF060437.D

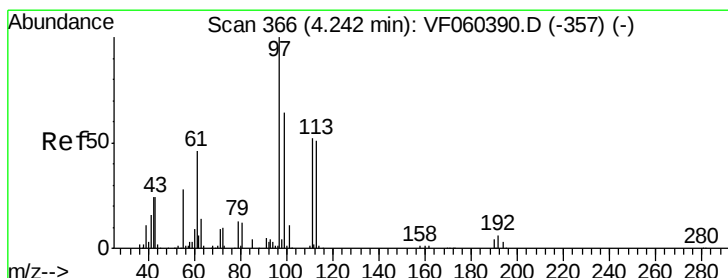
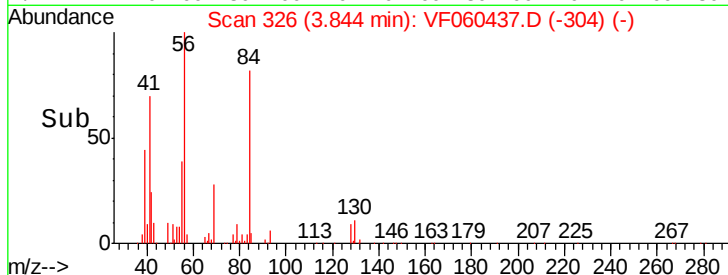
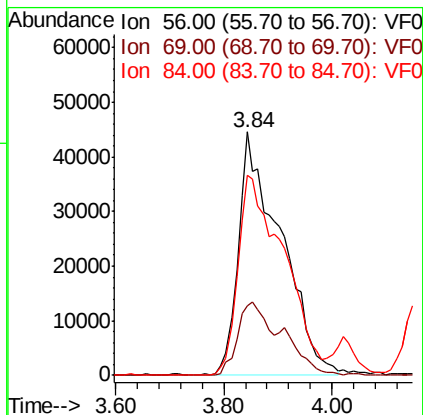
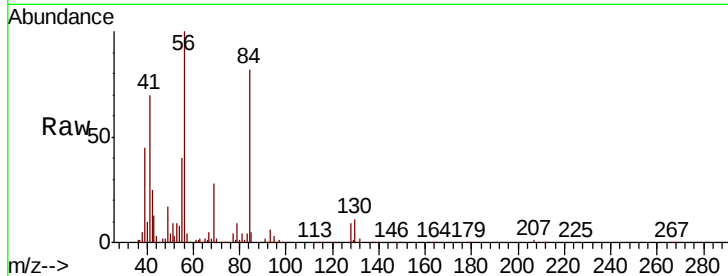
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	240763
Ion	Ratio	Lower	Upper
56	100		
69	28.4	25.5	38.3
84	82.1	67.4	101.0

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#32

1,1,1-Trichloroethane

Concen: 49.166 ug/l

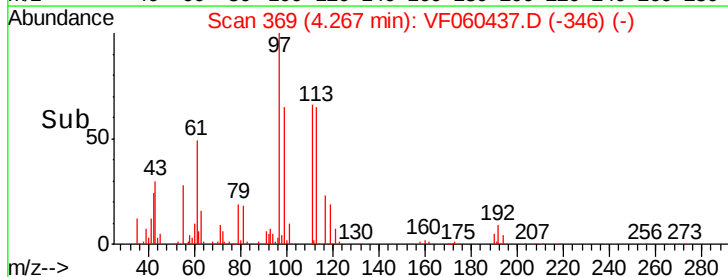
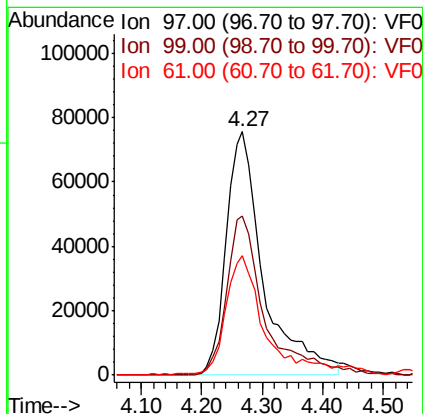
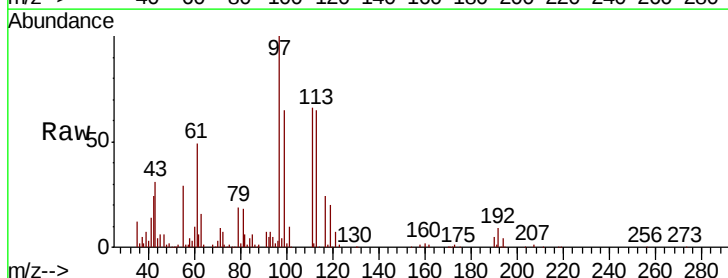
RT: 4.27 min Scan# 369

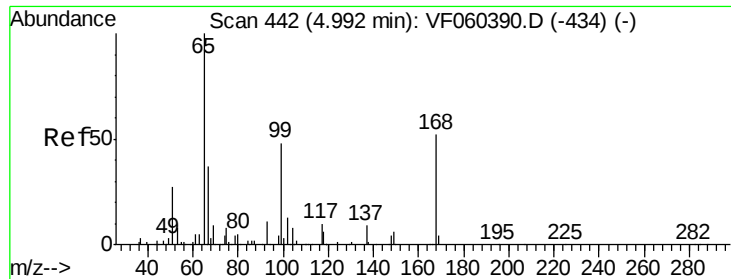
Delta R.T. 0.03 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	97	Resp:	324496
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.4
61	49.2	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 46.610 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.02 min

Lab File: VF060437.D

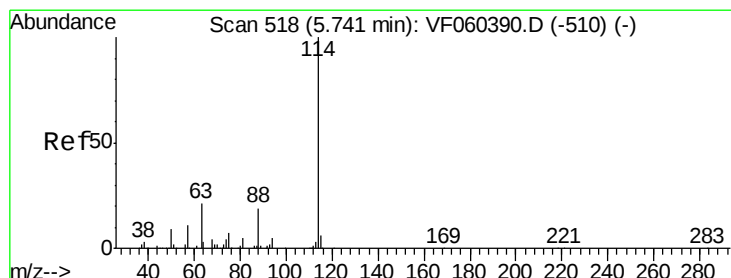
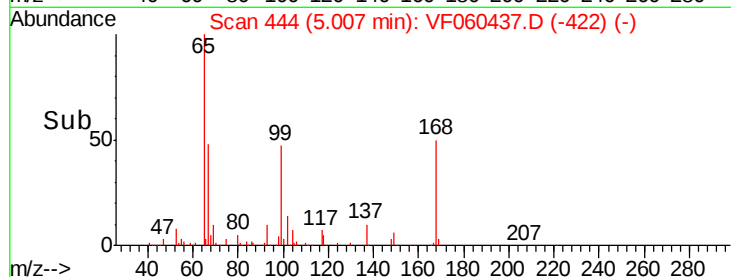
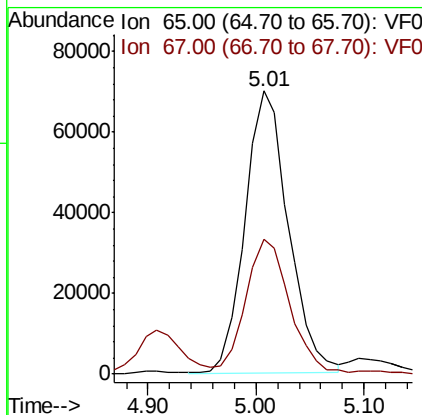
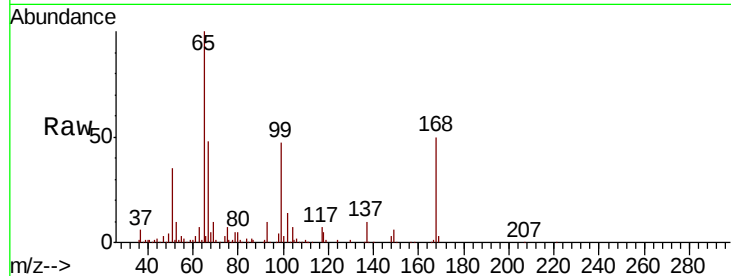
Acq: 4 Oct 2018 15:03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196501		
67	47.8	0.0	89.4	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

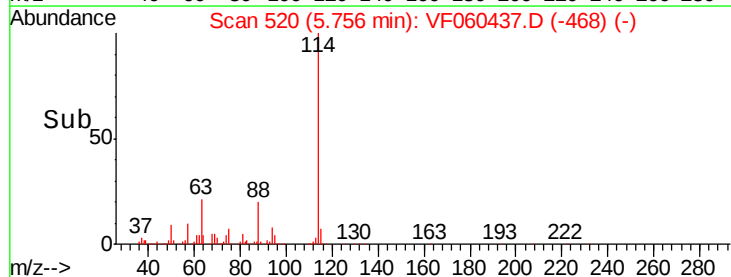
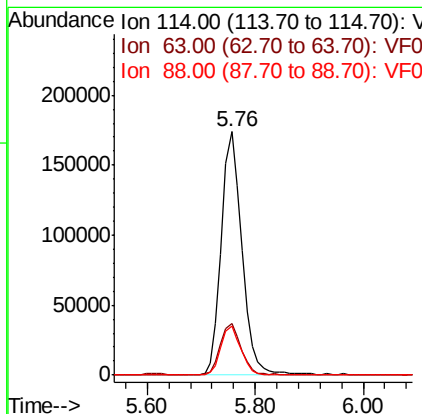
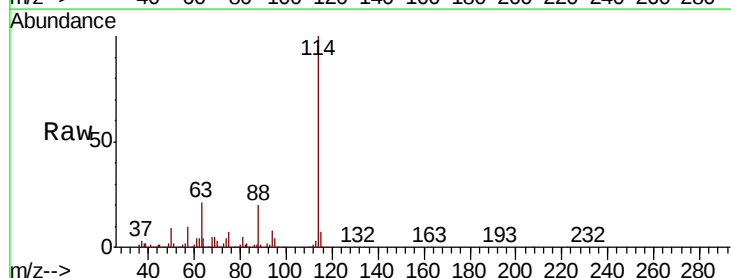
RT: 5.76 min Scan# 520

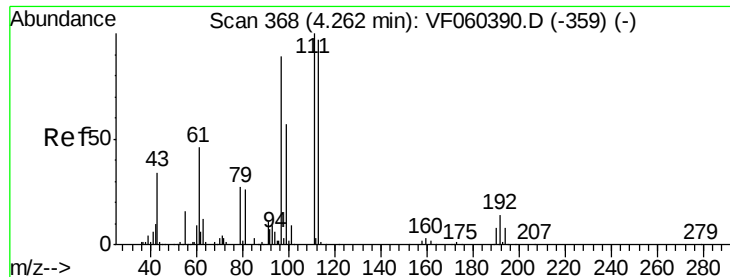
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	461186		
63	21.0	0.0	42.2	
88	20.0	0.0	38.8	





#35

Dibromofluoromethane

Concen: 48.288 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

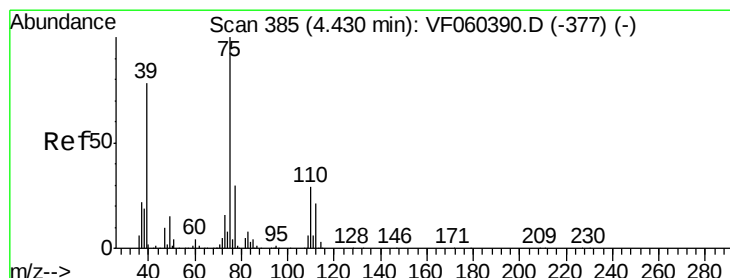
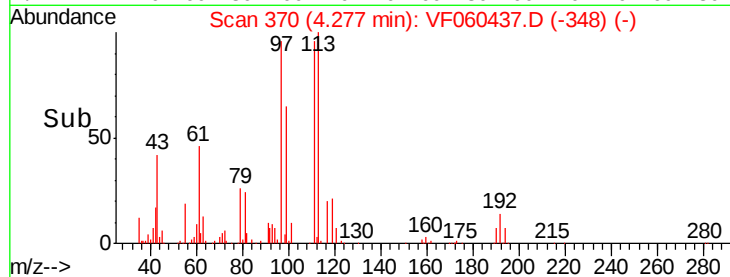
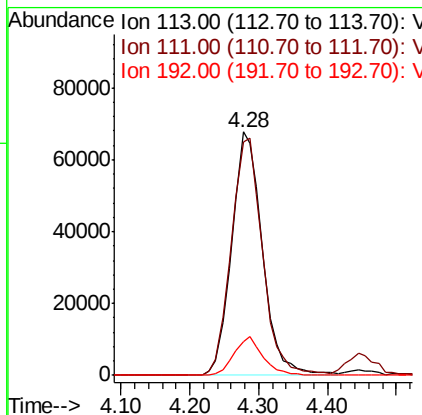
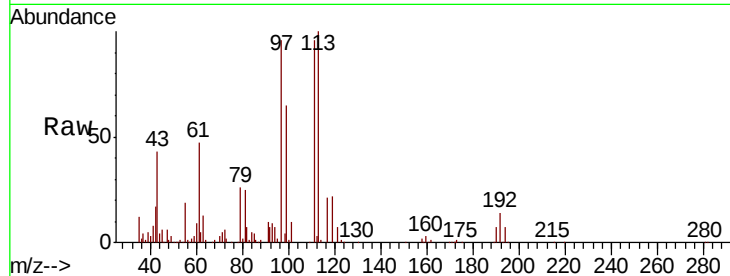
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	209211
Ion Ratio	Lower	Upper	
113	100		
111	95.8	82.3	123.5
192	14.0	11.8	17.6

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#36

1,1-Dichloropropene

Concen: 52.028 ug/l

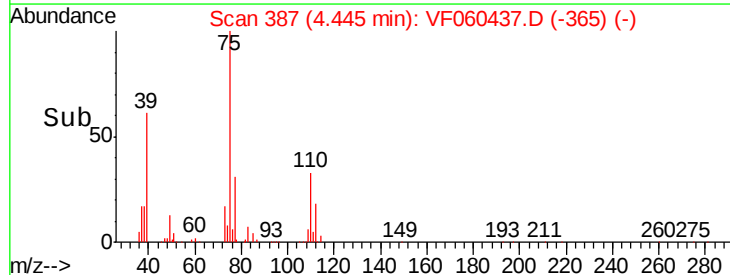
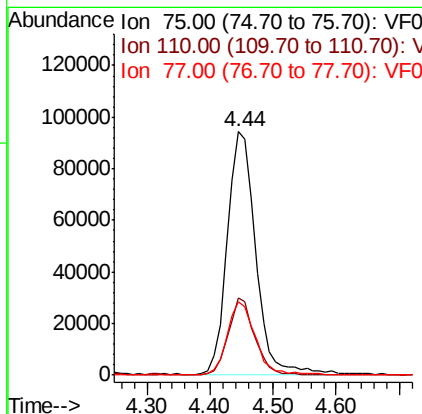
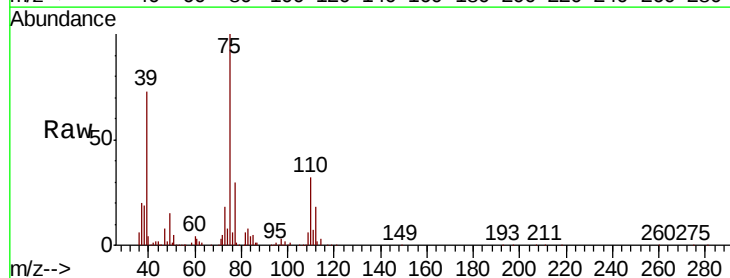
RT: 4.44 min Scan# 387

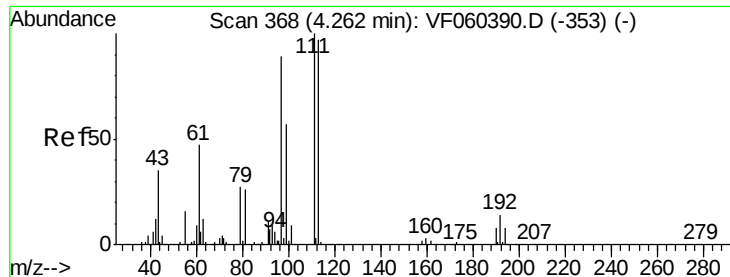
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	75	Resp:	295836
Ion Ratio	Lower	Upper	
75	100		
110	31.7	14.5	43.6
77	30.1	24.3	36.5





#37

Ethyl Acetate

Concen: 49.562 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

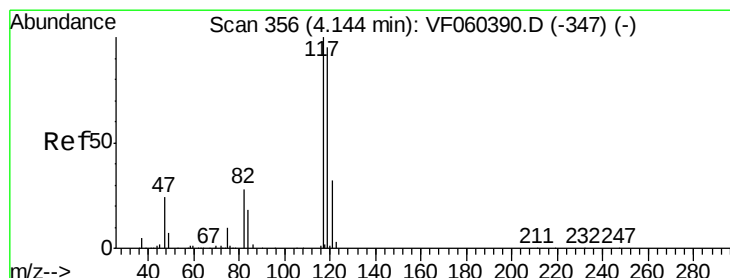
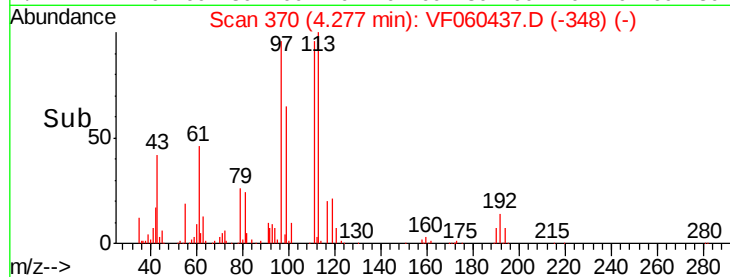
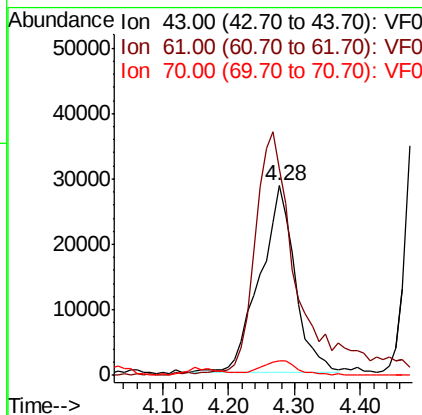
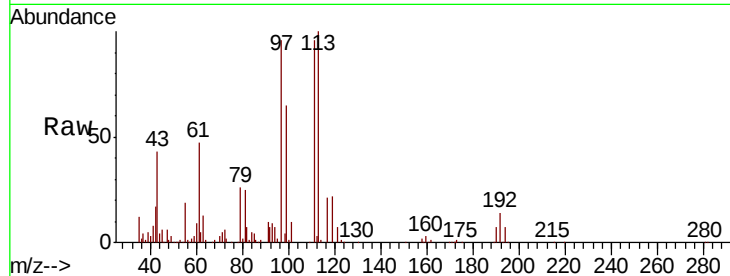
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	109.2	105.1	157.7
70	7.5	8.0	12.0

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#38

Carbon Tetrachloride

Concen: 52.307 ug/l

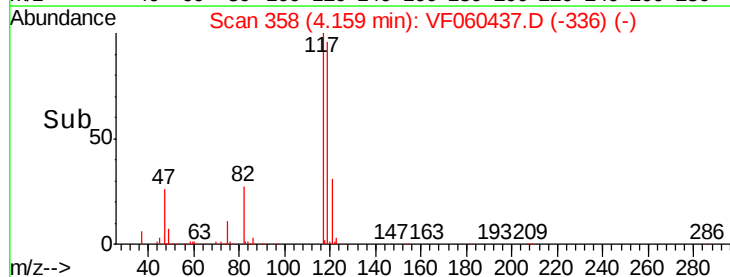
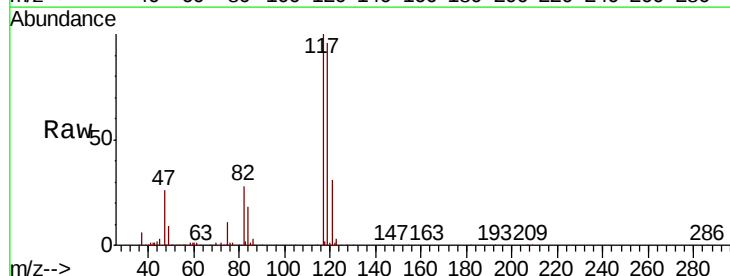
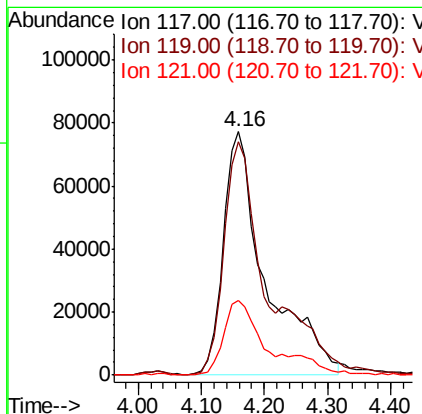
RT: 4.16 min Scan# 358

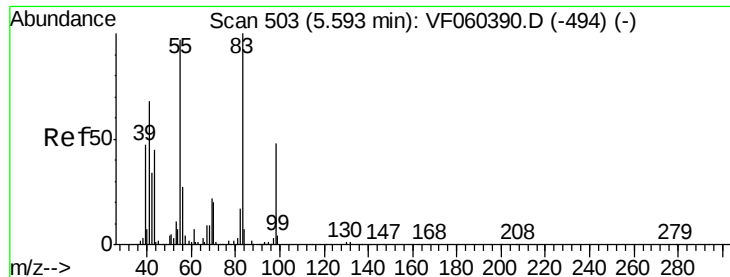
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.5	113.3
121	30.8	25.4	38.0





#39

Methvlcvclohexane

Concen: 52.186 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

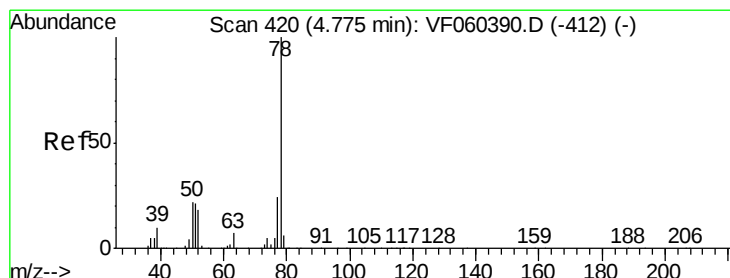
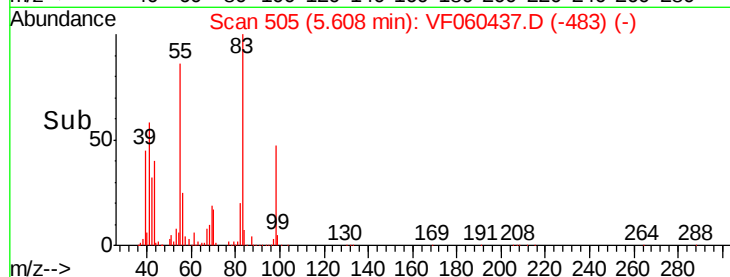
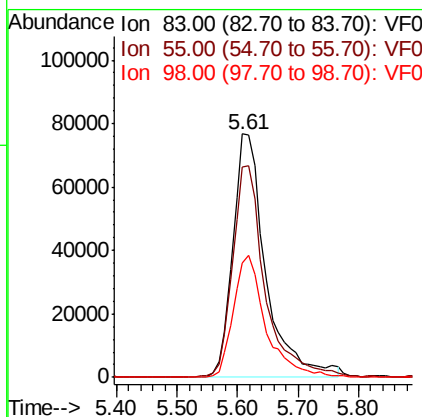
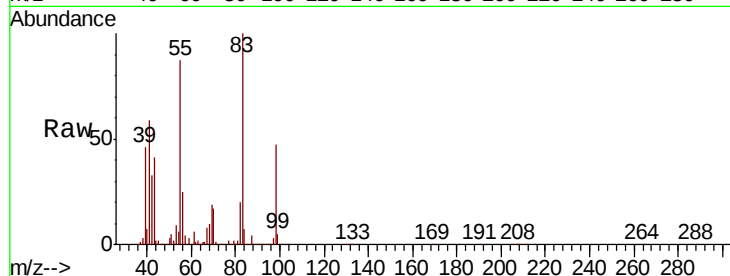
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	290903
Ion	Ratio	Lower	Upper
83	100		
55	86.6	77.5	116.3
98	47.2	38.7	58.1

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#40

Benzene

Concen: 53.239 ug/l

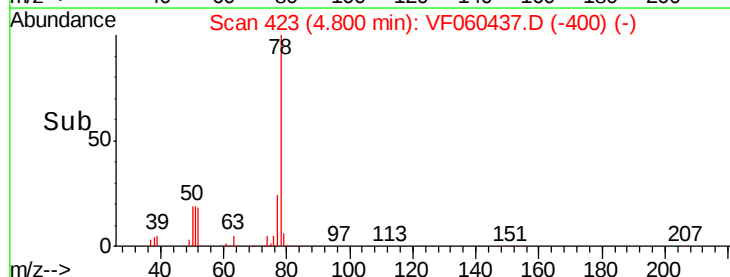
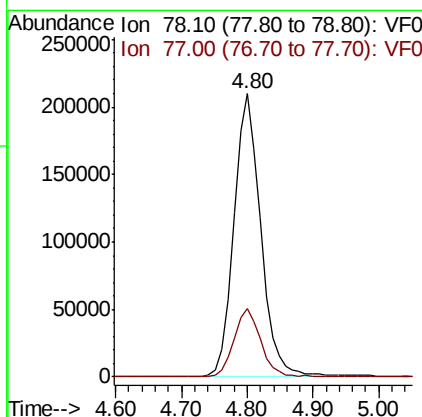
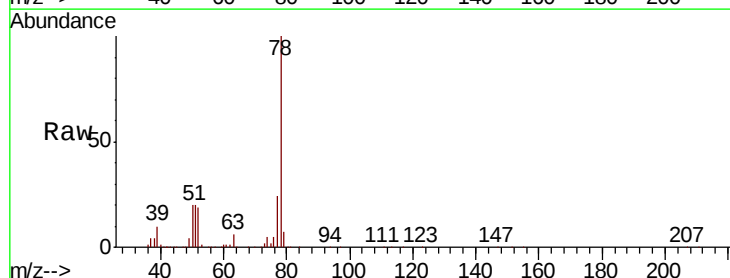
RT: 4.80 min Scan# 423

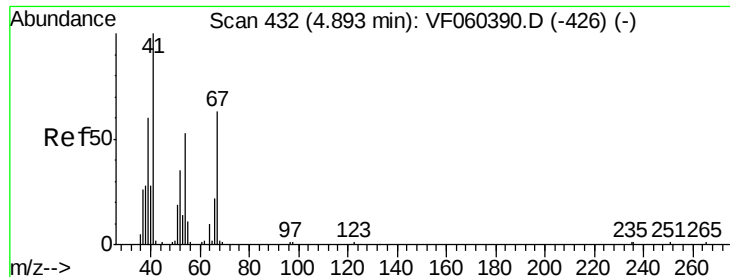
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	78	Resp:	600960
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





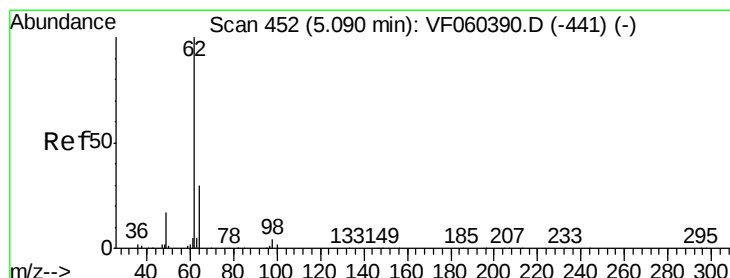
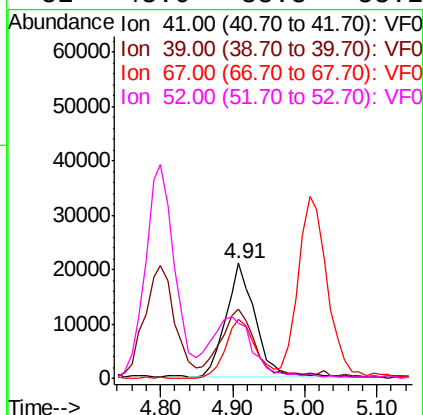
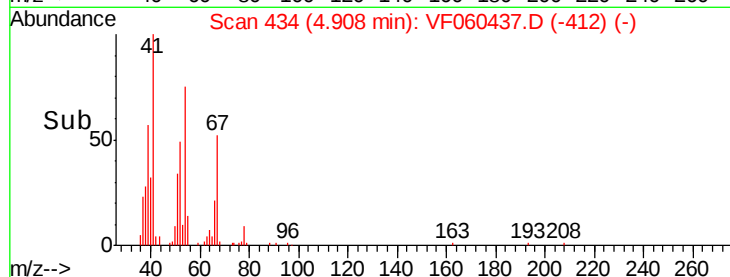
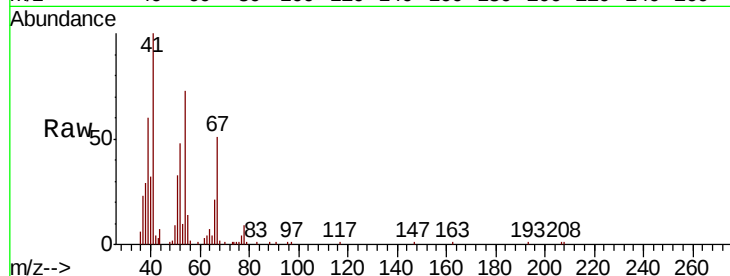
#41
Methacrylonitrile
Concen: 51.881 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.8	55.0	82.4	
67	51.1	49.6	74.4	
52	48.0	38.8	58.2	

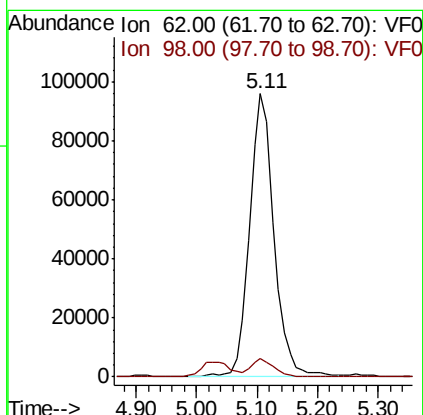
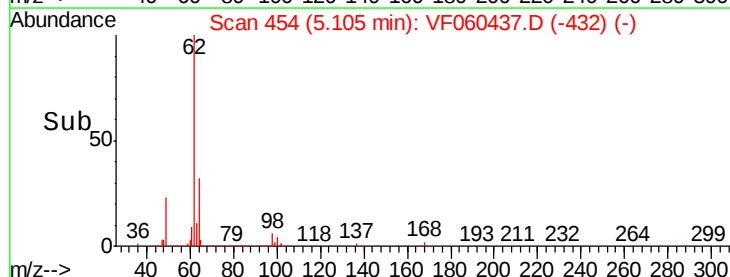
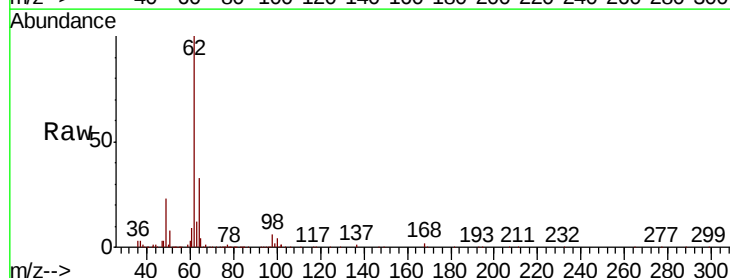
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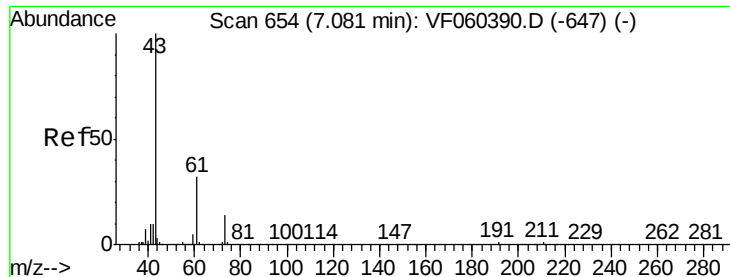
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#42
1,2-Dichloroethane
Concen: 49.842 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.4	0.0	11.2	





#43

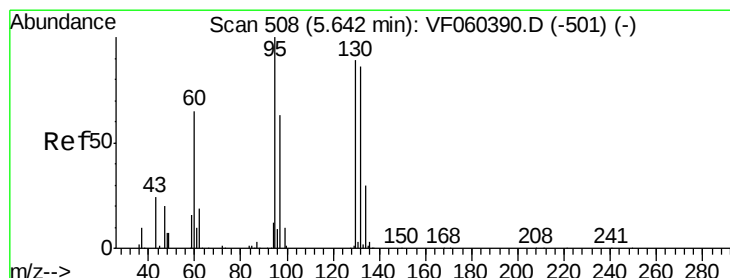
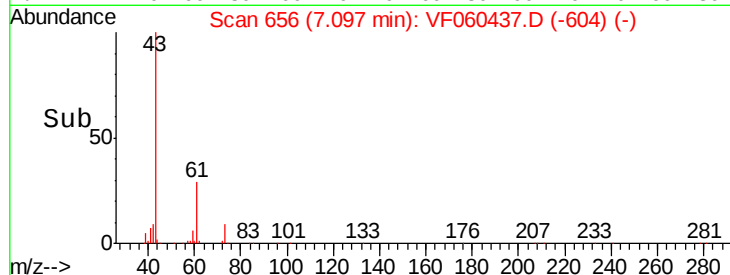
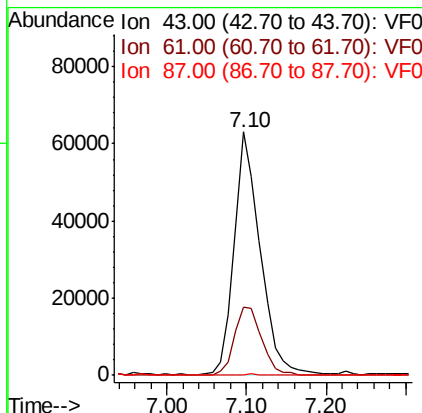
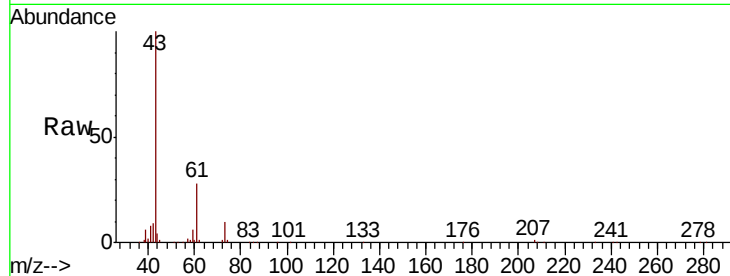
Isopropyl Acetate
 Concen: 54.557 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	25.4	38.2
87	0.4	0.3	0.5

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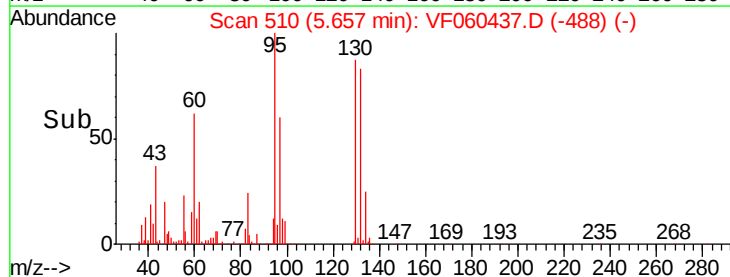
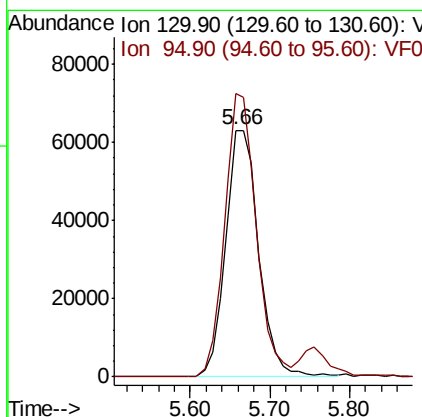
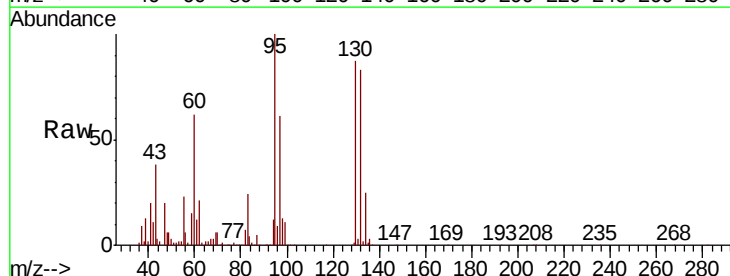
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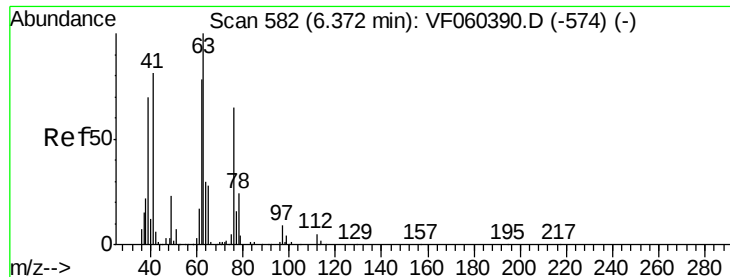


#44

Trichloroethene
 Concen: 50.720 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.7	0.0	224.4





#45

1,2-Dichloropropane

Concen: 53.942 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 162153

Ion Ratio Lower Upper

63 100

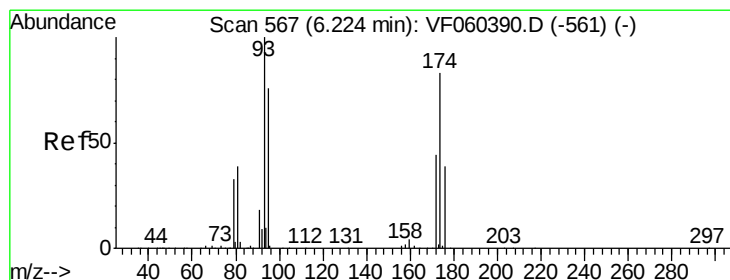
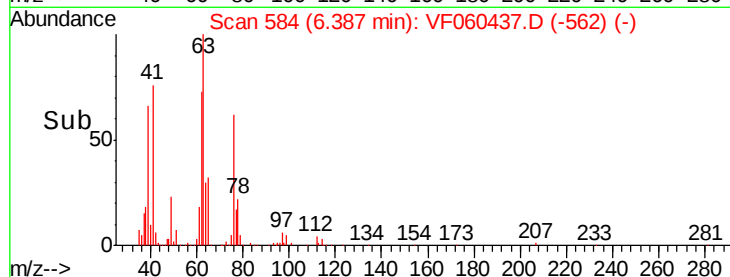
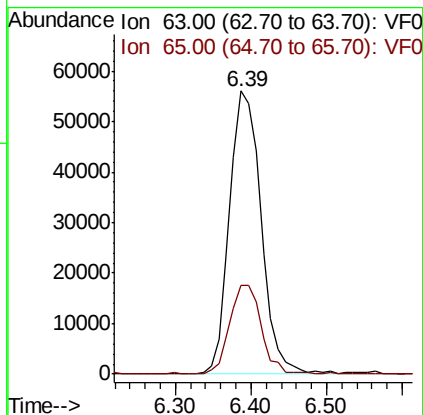
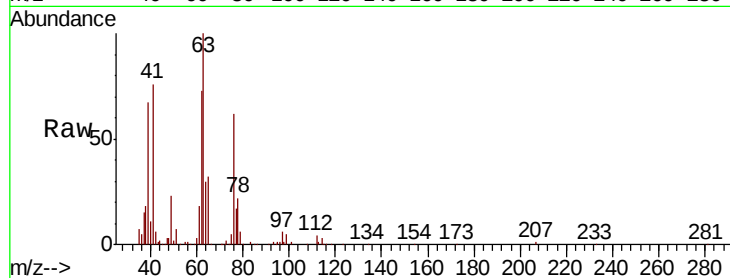
65 31.6 22.7 34.1

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#46

Dibromomethane

Concen: 44.542 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

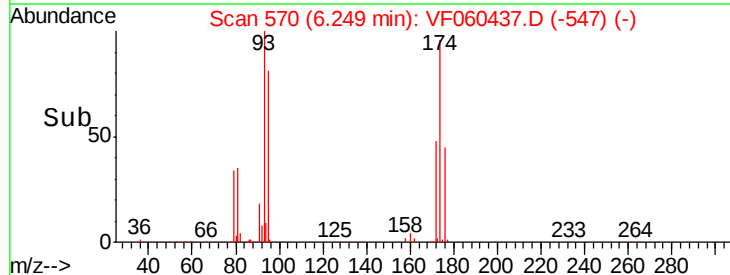
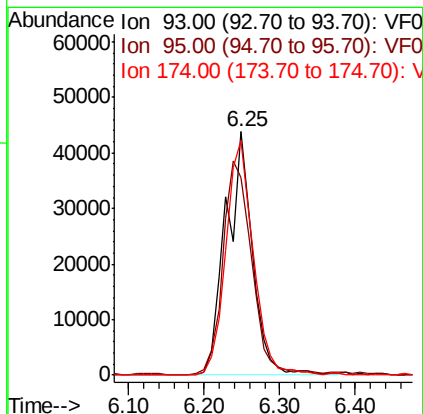
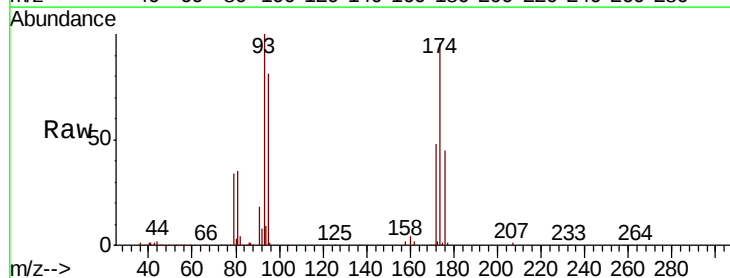
Tgt Ion: 93 Resp: 107653

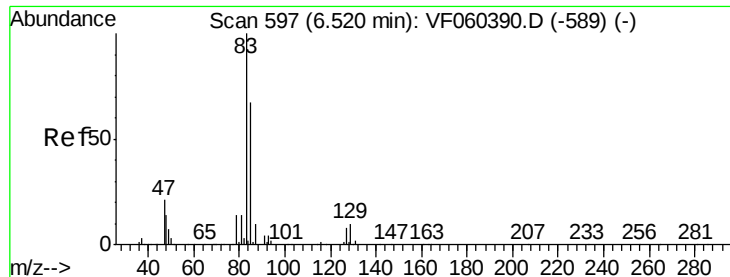
Ion Ratio Lower Upper

93 100

95 80.9 61.1 91.7

174 96.2 66.7 100.1





#47

Bromodichloromethane

Concen: 48.887 ug/l

RT: 6.53 min Scan# 599

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

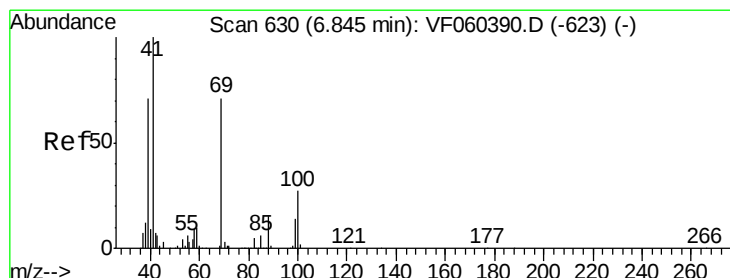
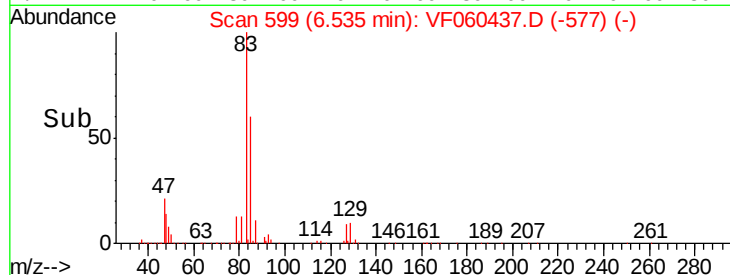
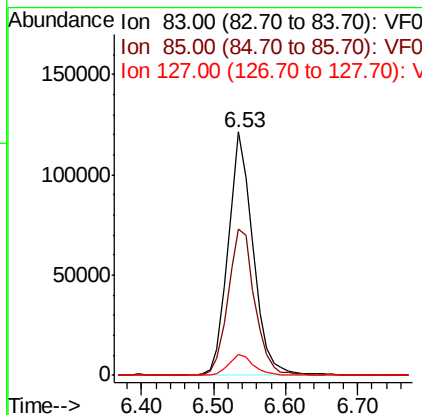
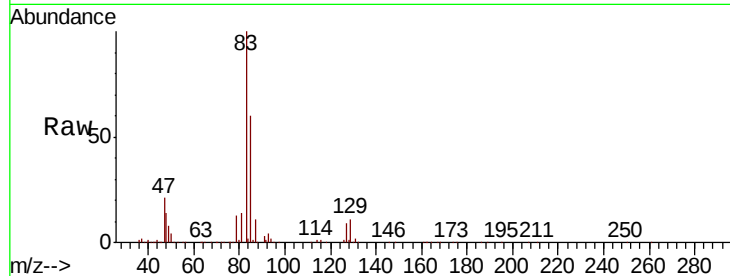
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	292630
Ion Ratio	Lower	Upper	
83	100		
85	60.3	53.2	79.8
127	8.6	6.6	9.8

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#48

Methyl methacrylate

Concen: 50.384 ug/l

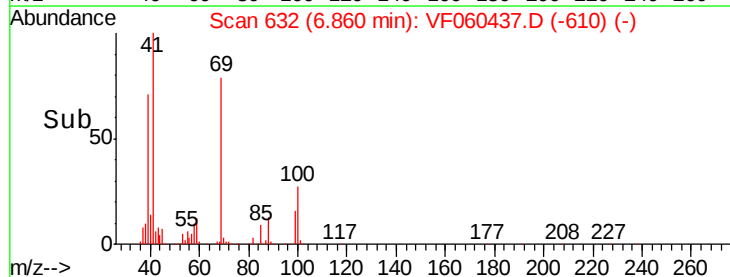
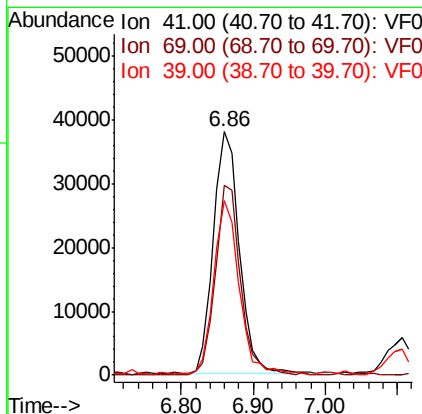
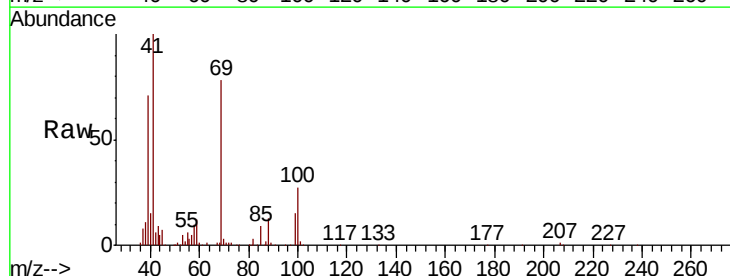
RT: 6.86 min Scan# 632

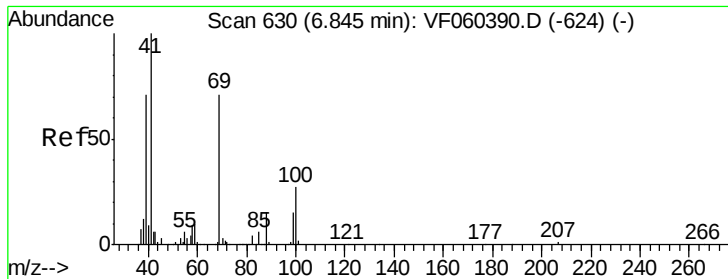
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	41	Resp:	95169
Ion Ratio	Lower	Upper	
41	100		
69	78.2	56.3	84.5
39	71.4	56.9	85.3





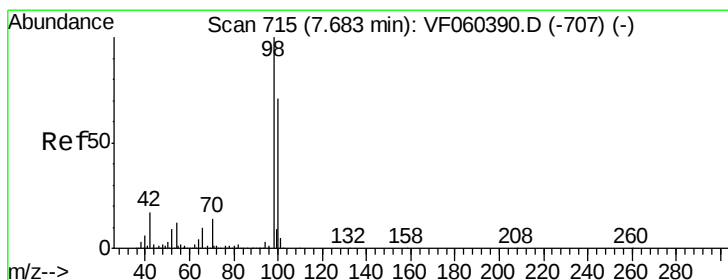
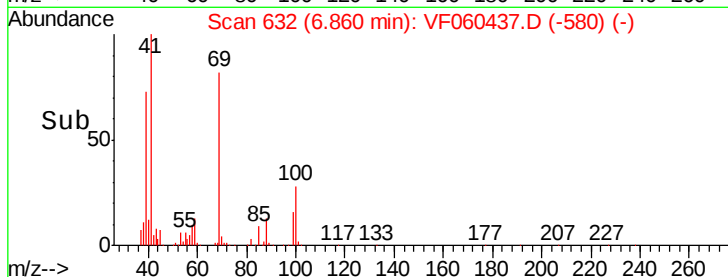
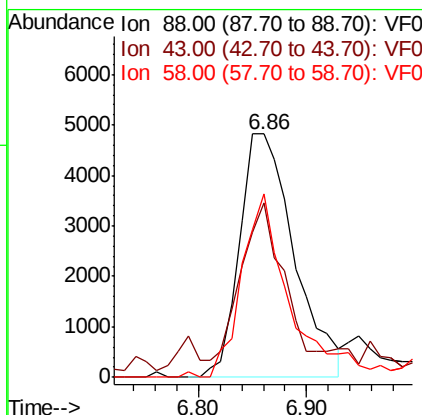
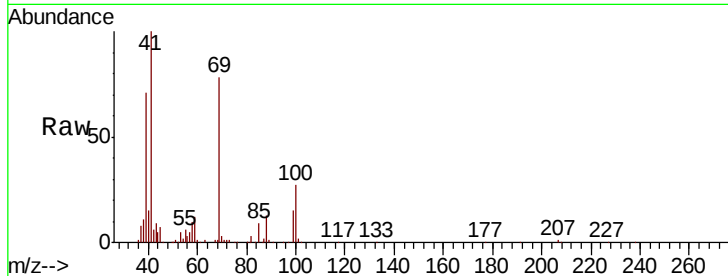
#49
 1,4-Dioxane
 Concen: 1040.874 ug/l
 RT: 6.86 min Scan# 632
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.5	38.3	57.5#
58	75.5	47.4	71.2#

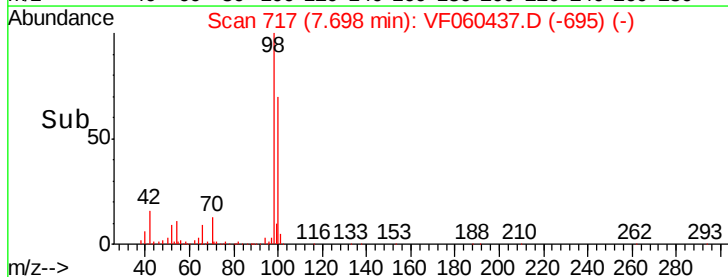
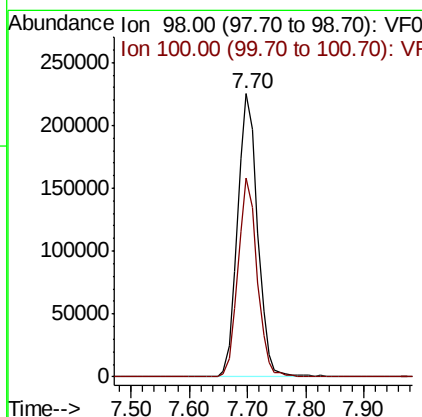
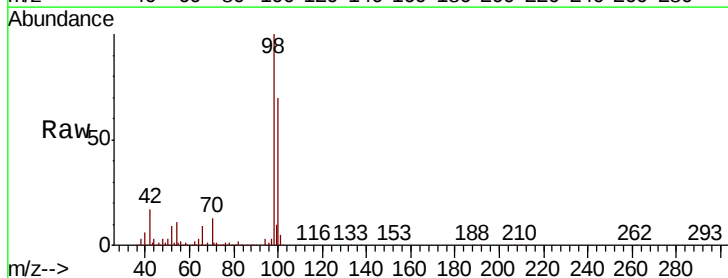
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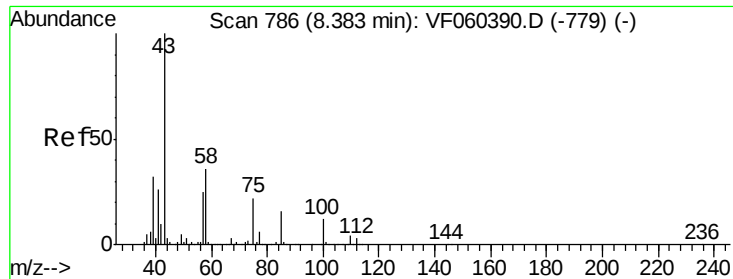
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#50
 Toluene-d8
 Concen: 50.695 ug/l
 RT: 7.70 min Scan# 717
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.3	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 275.706 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 516431

Ion Ratio Lower Upper

43 100

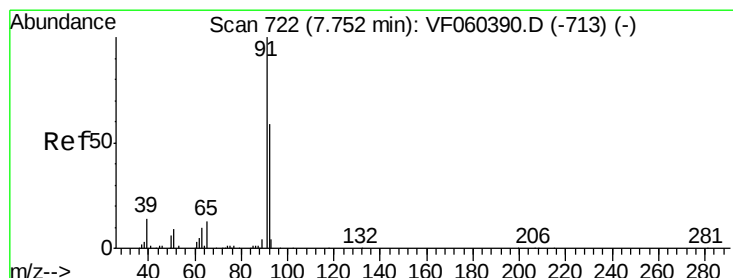
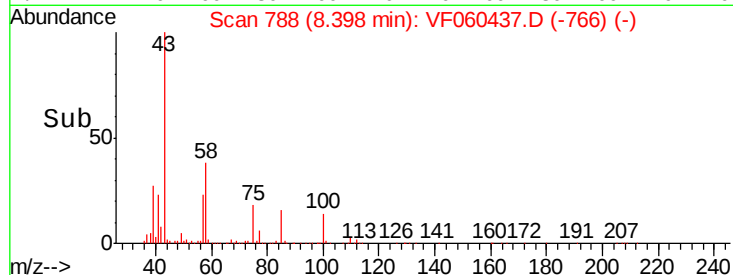
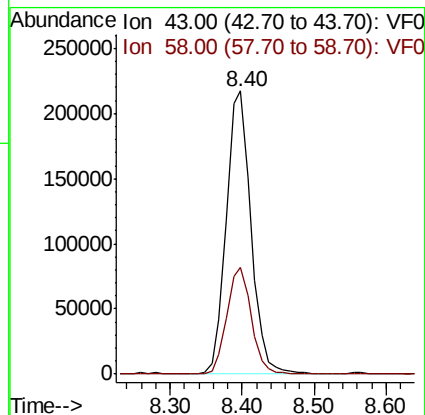
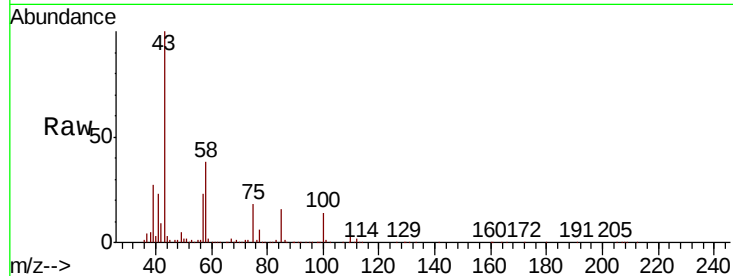
58 37.5 28.5 42.7

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#52

Toluene

Concen: 48.426 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.02 min

Lab File: VF060437.D

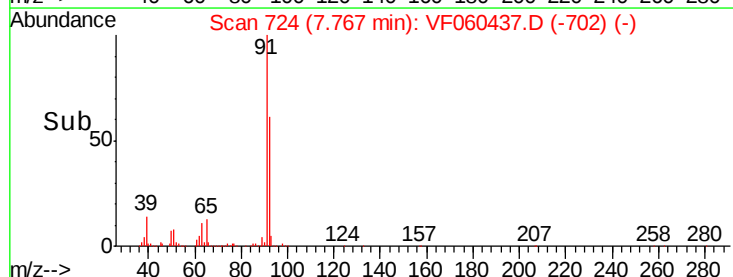
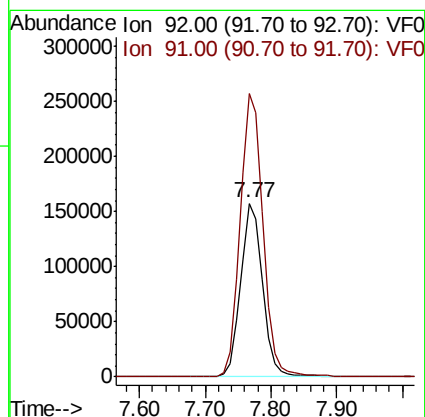
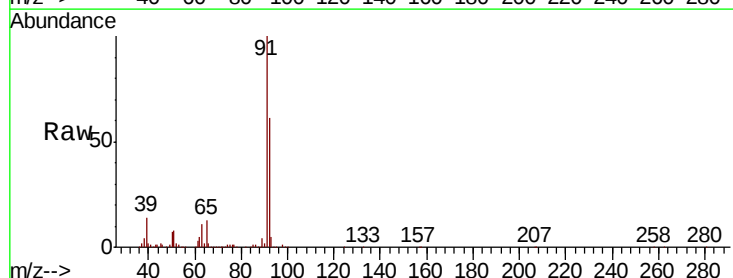
Acq: 4 Oct 2018 15:03

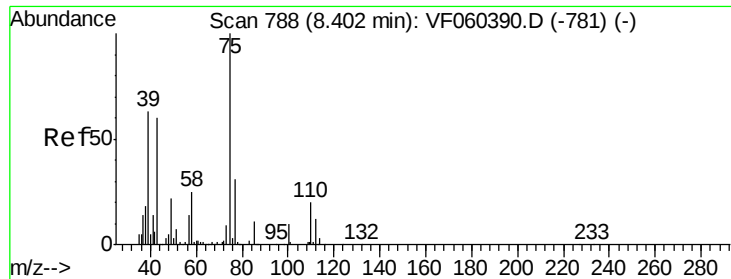
Tgt Ion: 92 Resp: 371282

Ion Ratio Lower Upper

92 100

91 163.0 135.4 203.0





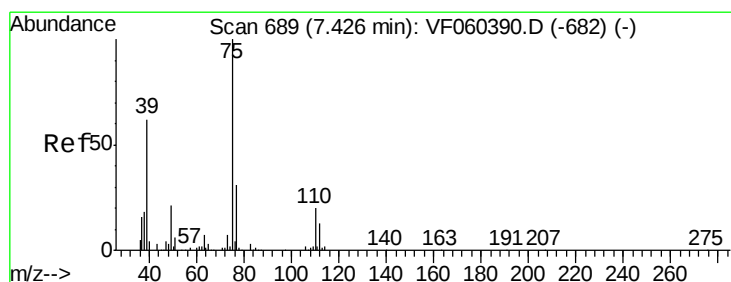
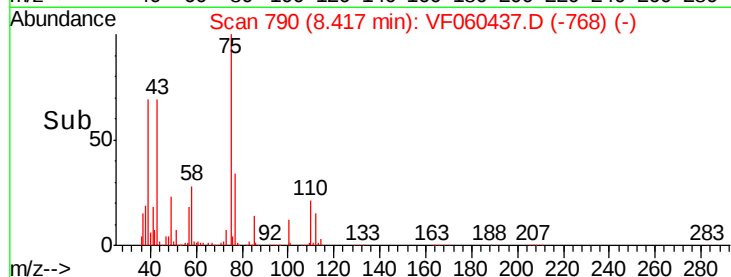
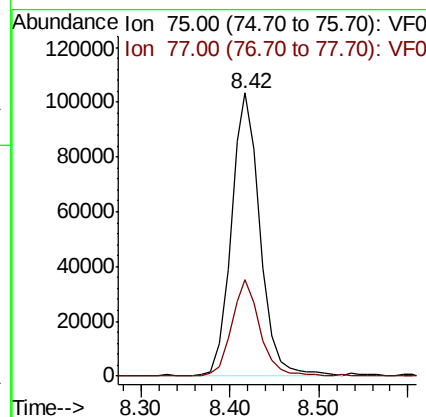
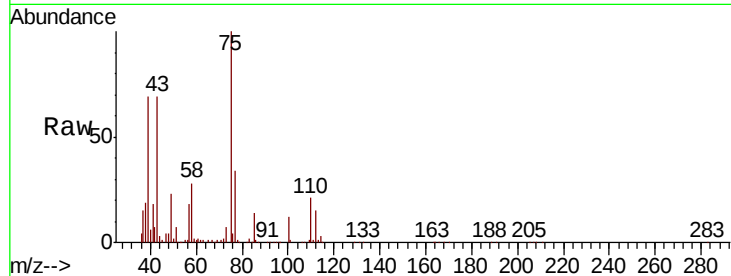
#53
t-1,3-Dichloropropene
Concen: 49.729 ug/l
RT: 8.42 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.3	24.6	36.8

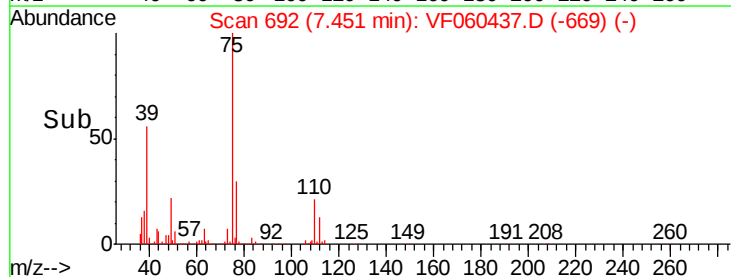
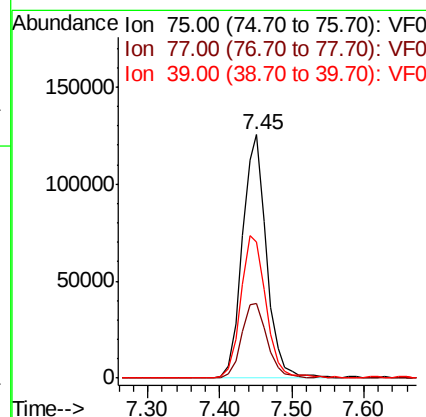
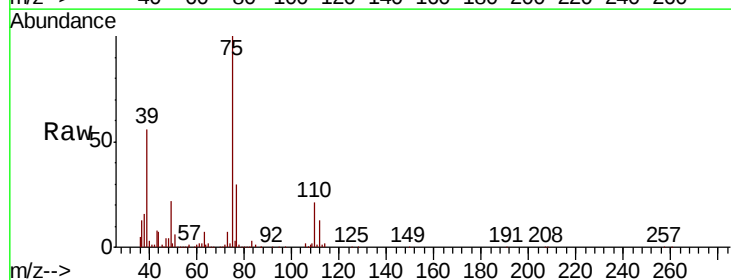
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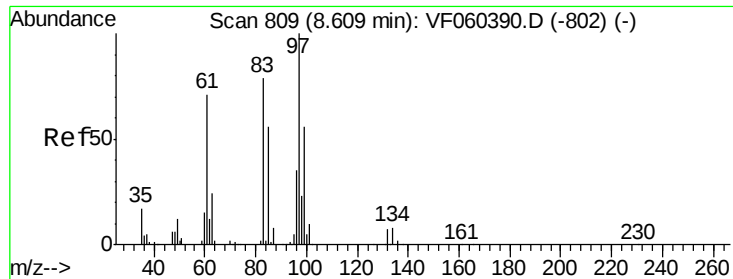
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#54
cis-1,3-Dichloropropene
Concen: 53.411 ug/l
RT: 7.45 min Scan# 692
Delta R.T. 0.03 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.2	37.8
39	55.9	49.7	74.5





#55

1,1,2-Trichloroethane

Concen: 49.490 ug/l

RT: 8.62 min Scan# 811

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

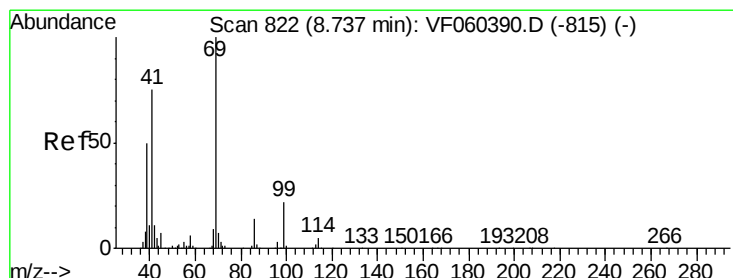
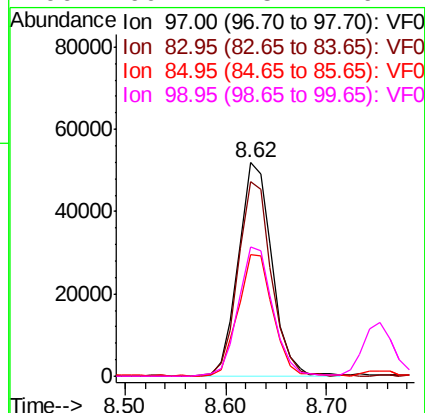
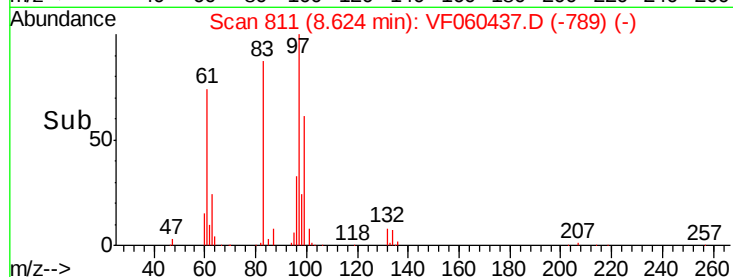
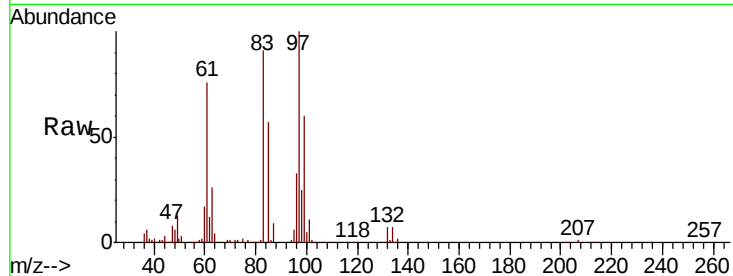
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120271		
83	91.3	63.4	95.0		
85	57.1	44.5	66.7		
99	60.4	45.1	67.7		

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#56

Ethyl methacrylate

Concen: 52.055 ug/l

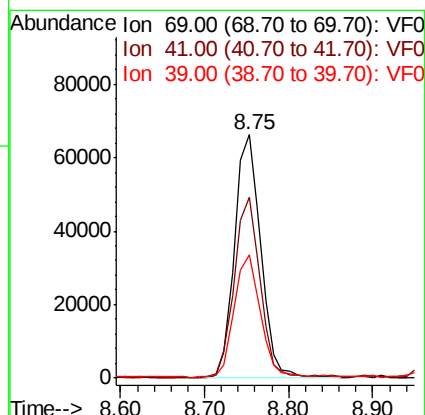
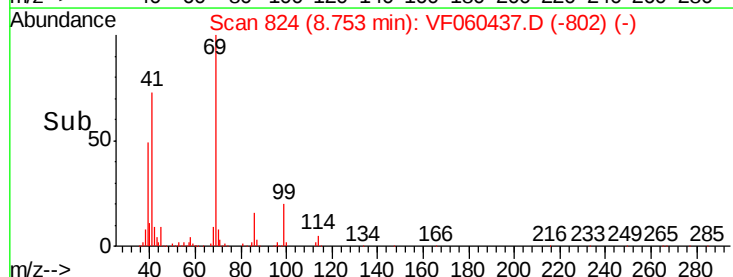
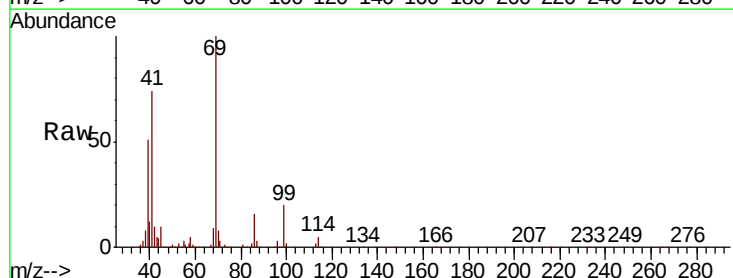
RT: 8.75 min Scan# 824

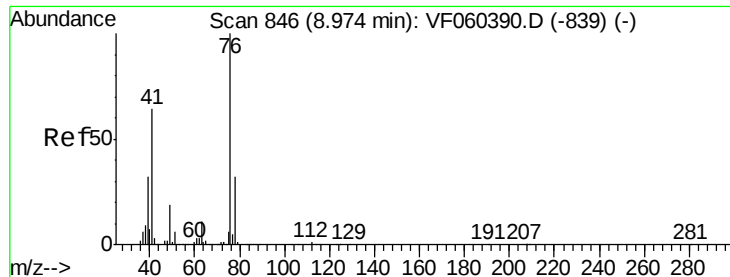
Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		143752		
41	74.1	60.2	90.4		
39	50.6	40.2	60.2		





#57

1,3-Dichloropropane

Concen: 52.945 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 217672

Ion Ratio Lower Upper

76 100

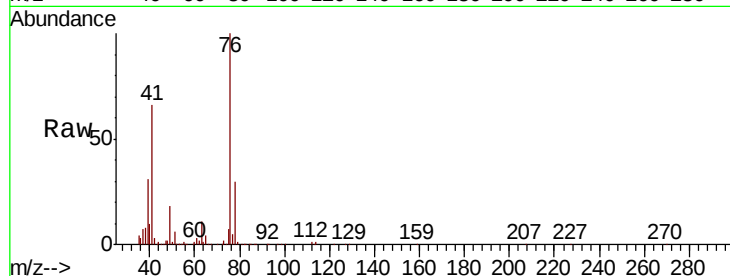
78 30.4 25.3 37.9

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.99

100000

80000

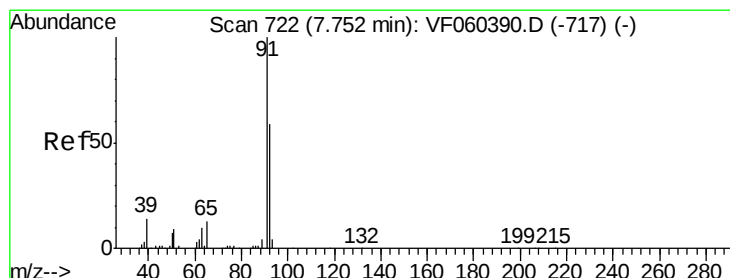
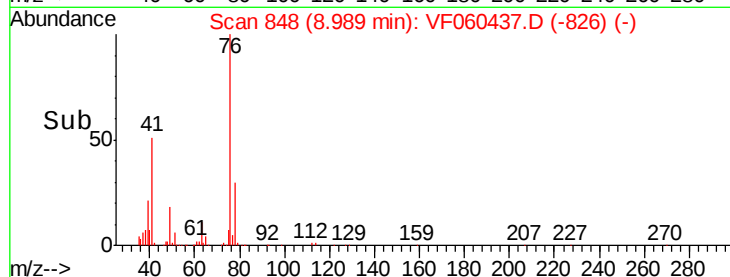
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.017 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.02 min

Lab File: VF060437.D

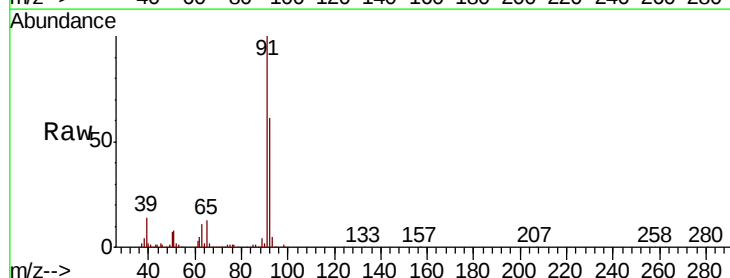
Acq: 4 Oct 2018 15:03

Tgt Ion: 63 Resp: 66857

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

7.77

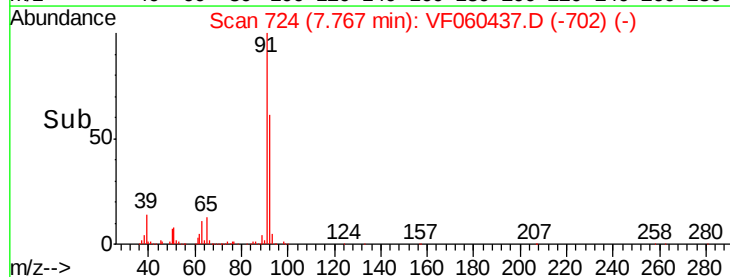
30000

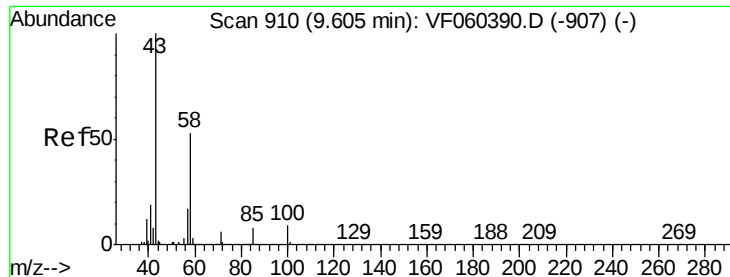
20000

10000

0

Time-->





#59

2-Hexanone

Concen: 280.280 ug/l

RT: 9.62 min Scan# 912

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 385079

Ion Ratio Lower Upper

43 100

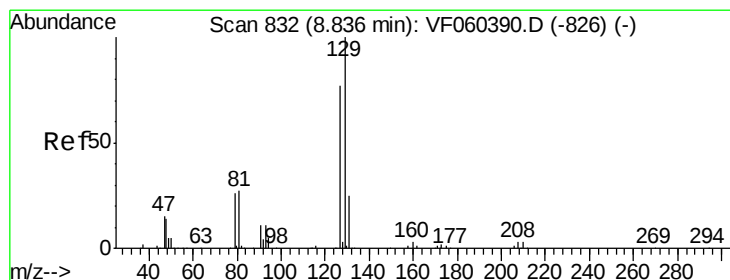
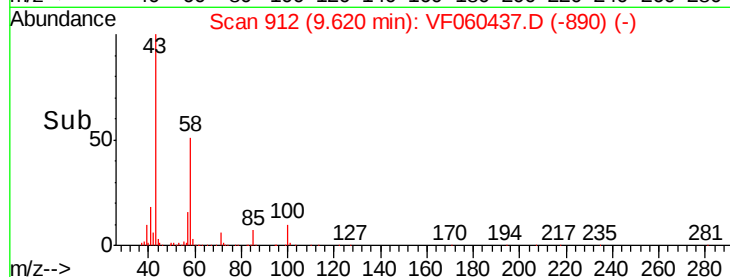
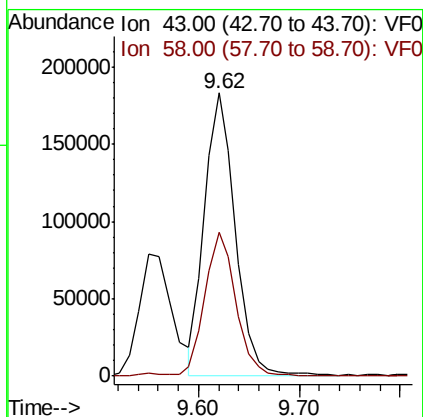
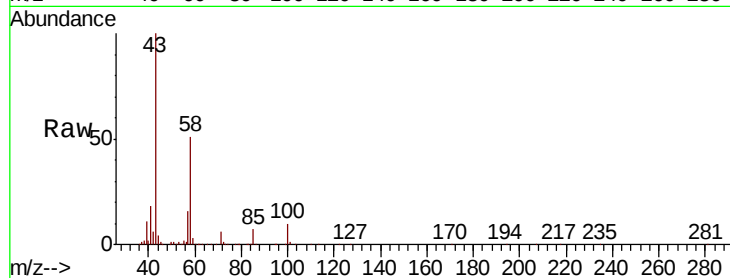
58 51.0 25.6 76.6

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#60

Dibromochloromethane

Concen: 50.533 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.02 min

Lab File: VF060437.D

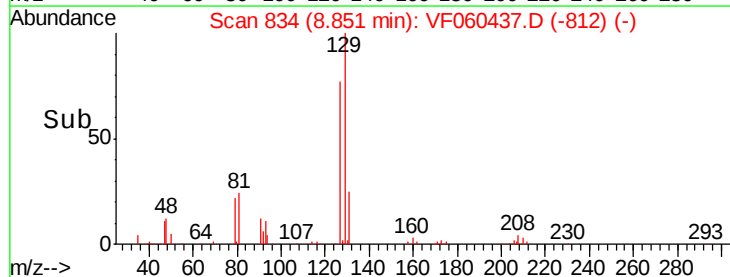
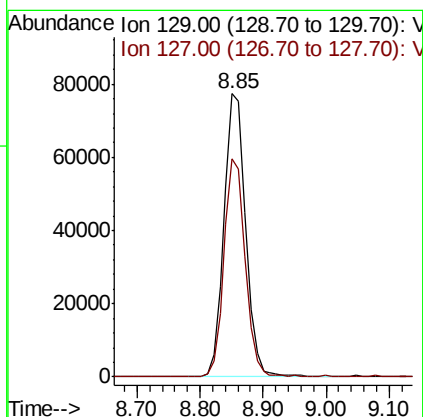
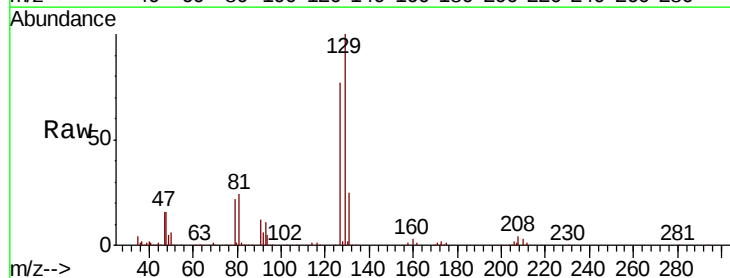
Acq: 4 Oct 2018 15:03

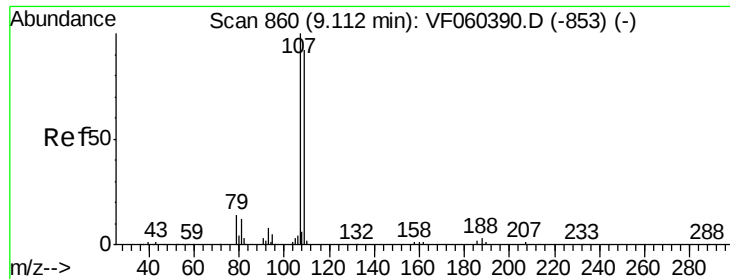
Tgt Ion: 129 Resp: 184902

Ion Ratio Lower Upper

129 100

127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.973 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 143524

Ion Ratio Lower Upper

107 100

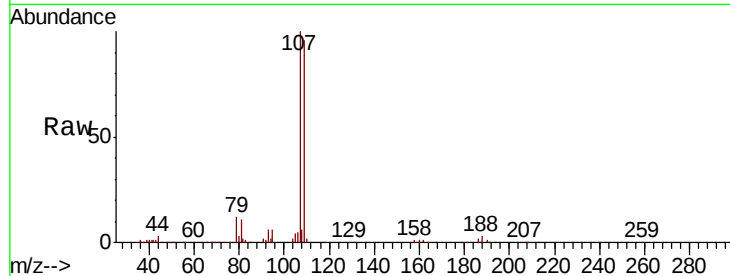
109 96.3 73.7 110.5

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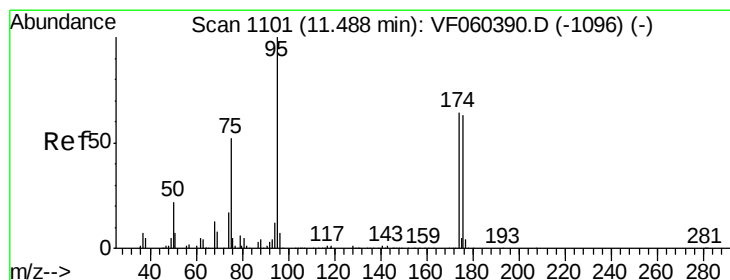
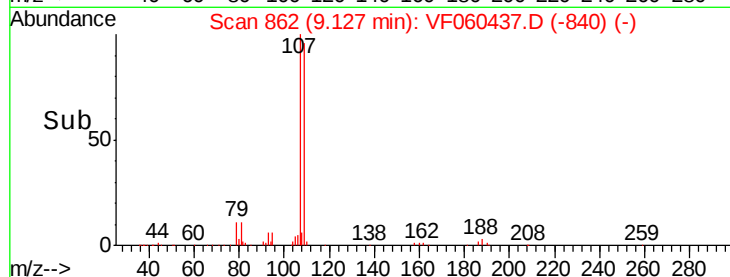
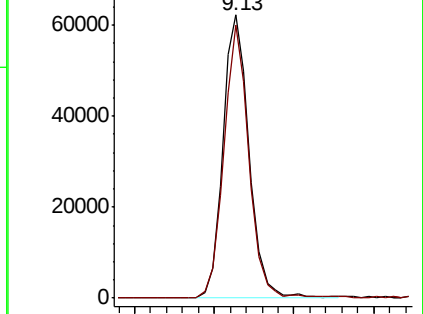
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.632 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

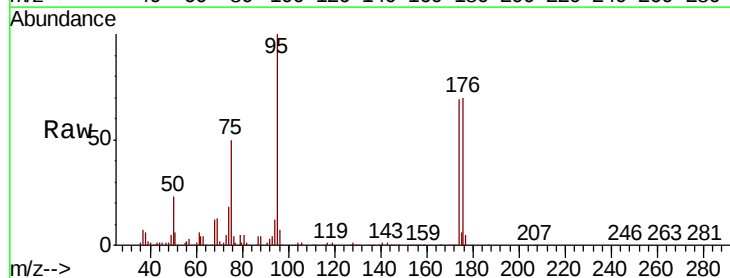
Tgt Ion: 95 Resp: 232061

Ion Ratio Lower Upper

95 100

174 68.6 0.0 129.0

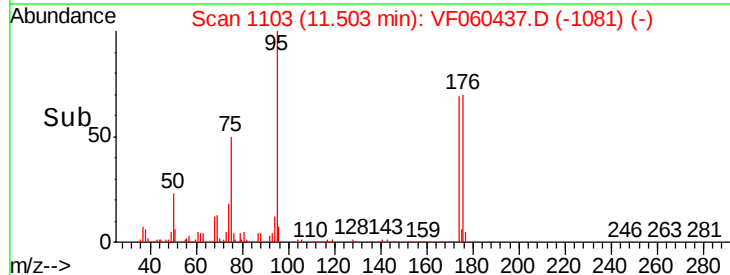
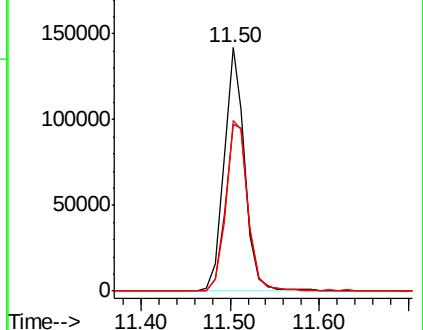
176 70.3 0.0 125.6

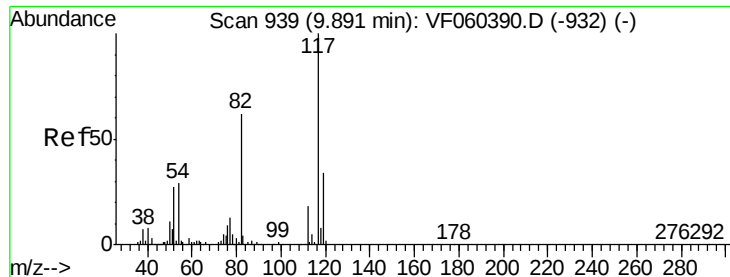


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





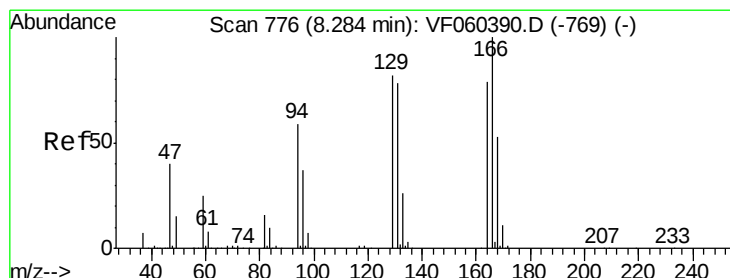
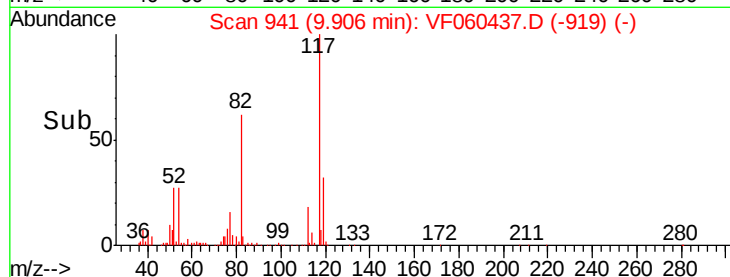
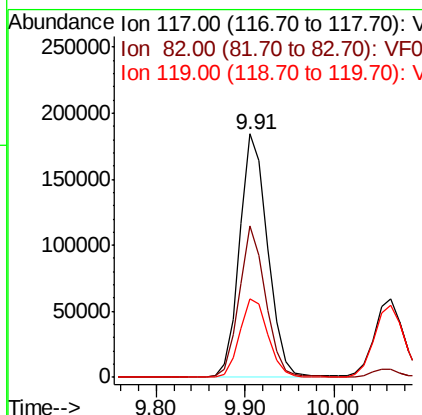
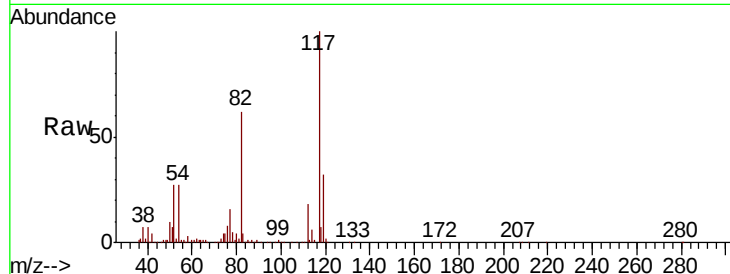
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.5	74.3
119	32.5	27.0	40.6

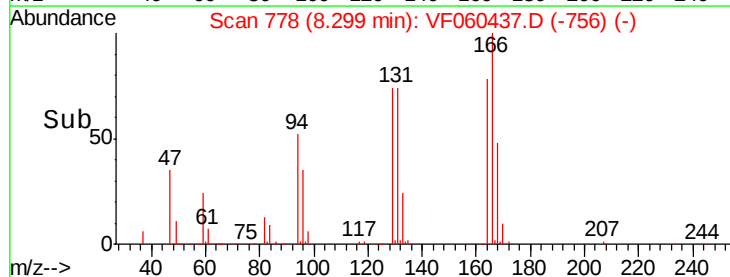
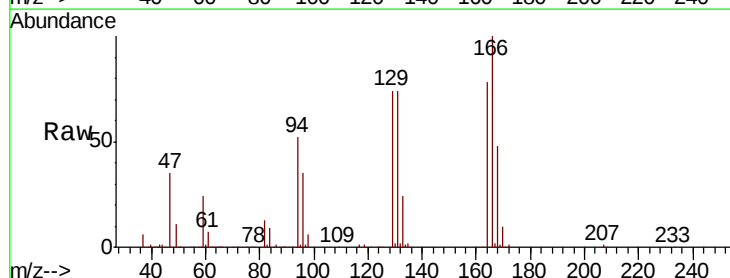
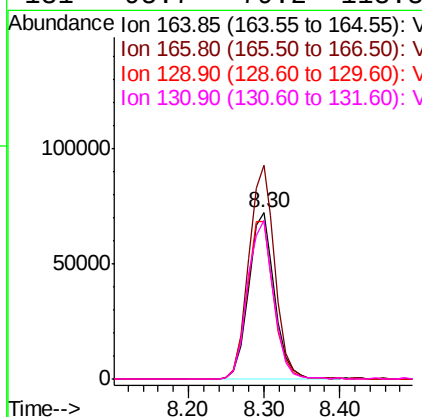
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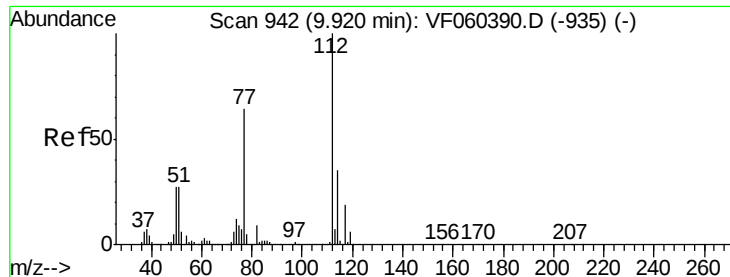
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#64
Tetrachloroethene
Concen: 53.336 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.0	151.6
129	94.8	82.5	123.7
131	95.7	79.2	118.8





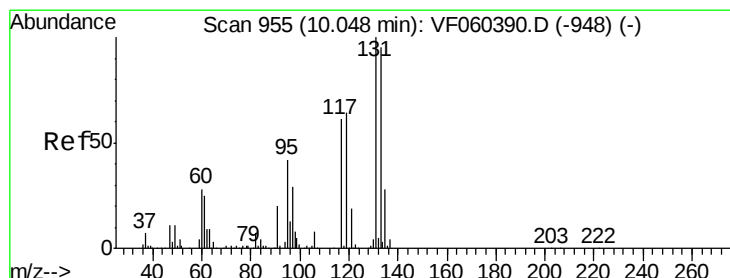
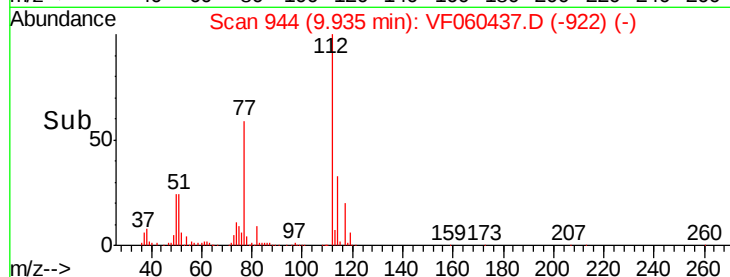
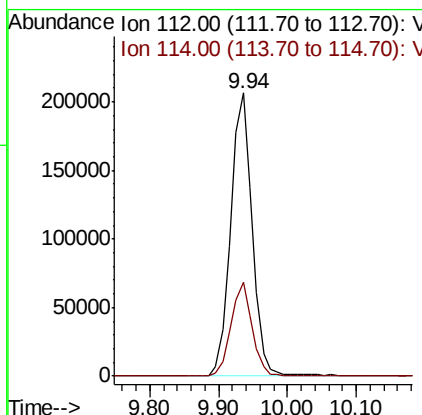
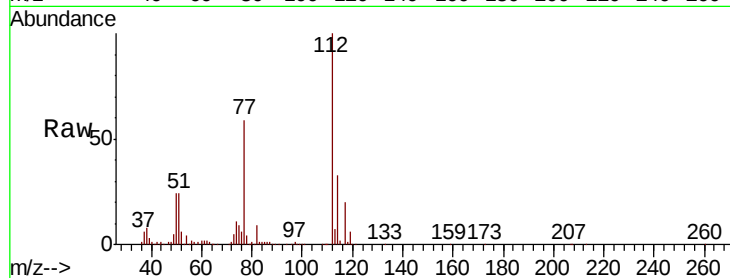
#65
Chlorobenzene
Concen: 53.571 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 444617
Ion Ratio Lower Upper
112 100
114 33.2 27.7 41.5

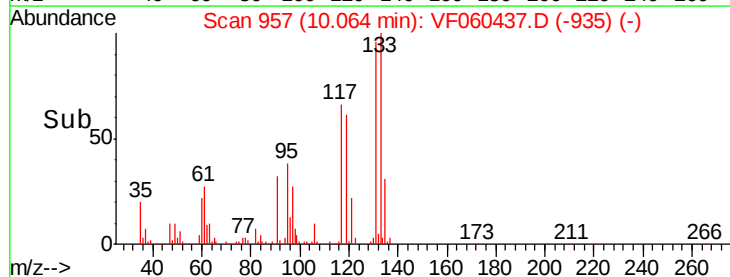
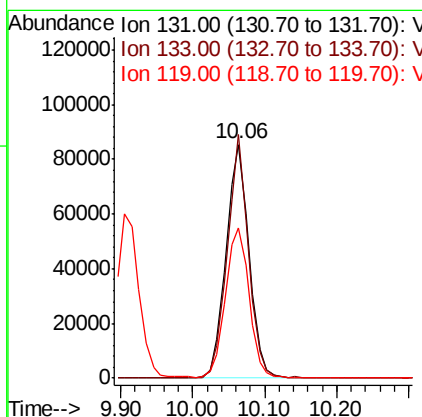
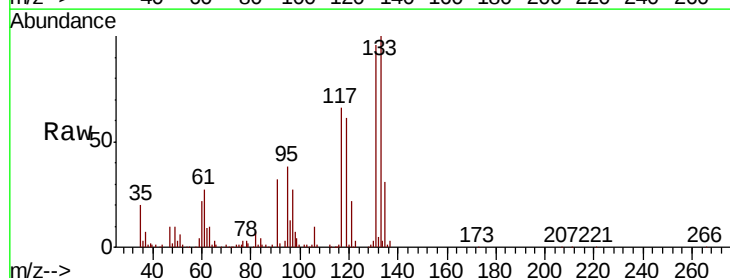
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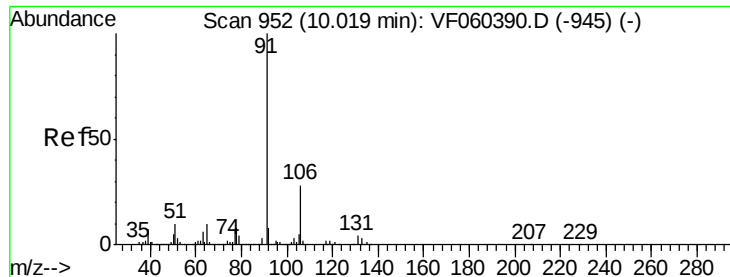
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.013 ug/l
RT: 10.06 min Scan# 957
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion:131 Resp: 188488
Ion Ratio Lower Upper
131 100
133 104.2 47.3 141.8
119 64.1 32.3 96.9





#67

Ethyl Benzene

Concen: 51.994 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 820509

Ion Ratio Lower Upper

91 100

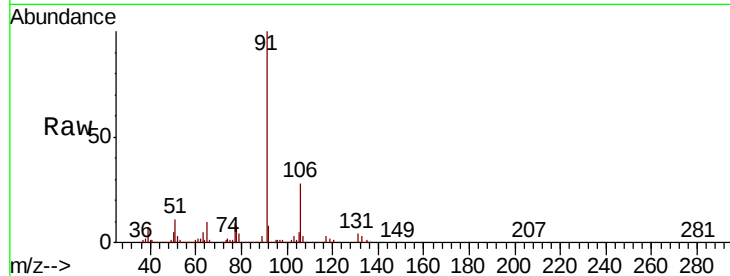
106 28.5 22.5 33.7

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

400000

300000

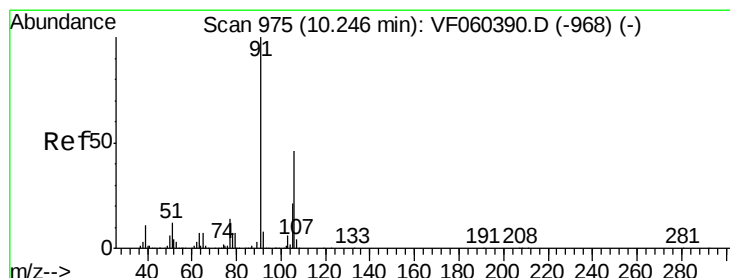
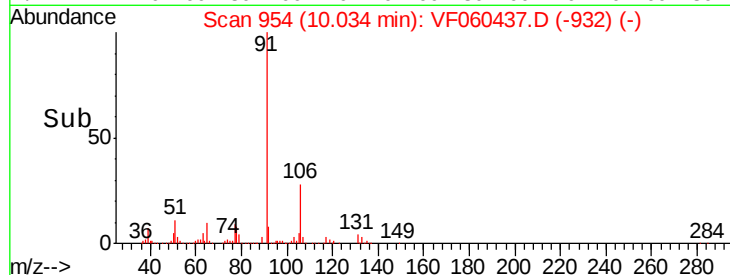
200000

100000

0

9.90 10.00 10.10 10.20

Time-->



#68

m/p-Xylenes

Concen: 103.787 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.02 min

Lab File: VF060437.D

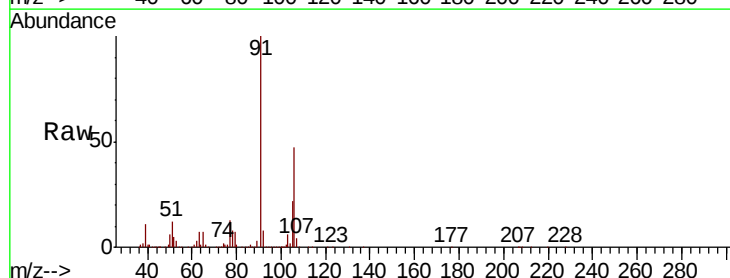
Acq: 4 Oct 2018 15:03

Tgt Ion: 106 Resp: 563035

Ion Ratio Lower Upper

106 100

91 210.6 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

600000

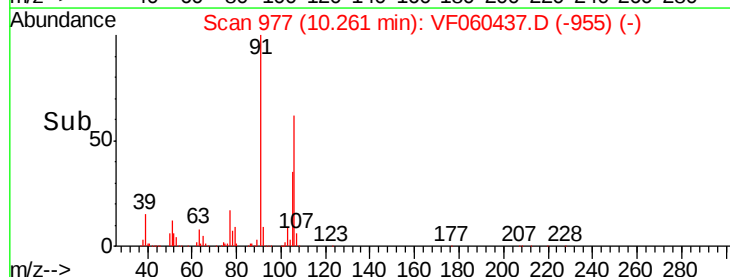
400000

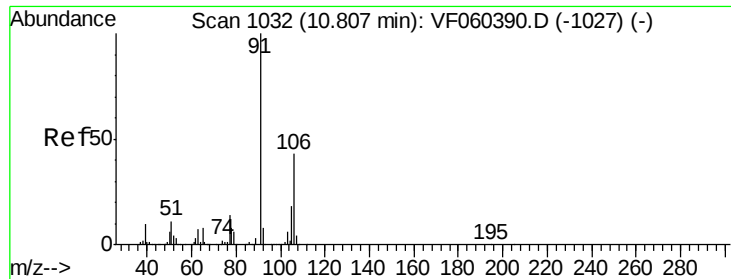
200000

0

10.10 10.20 10.30 10.40

Time-->





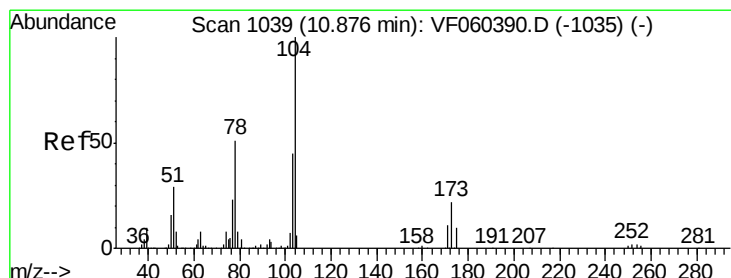
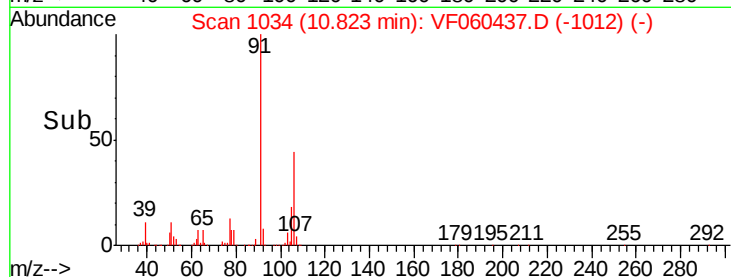
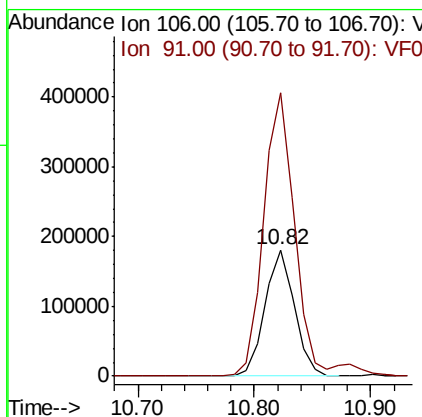
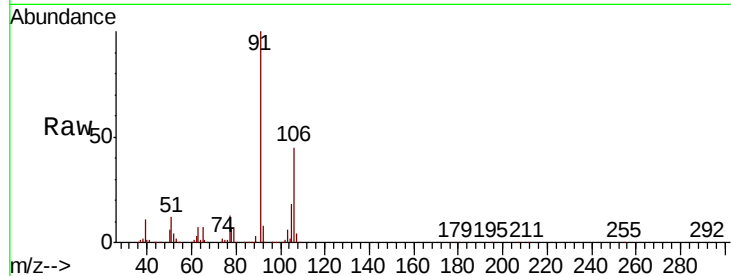
#69
o-Xylene
Concen: 53.922 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	224.5	115.1	345.2	

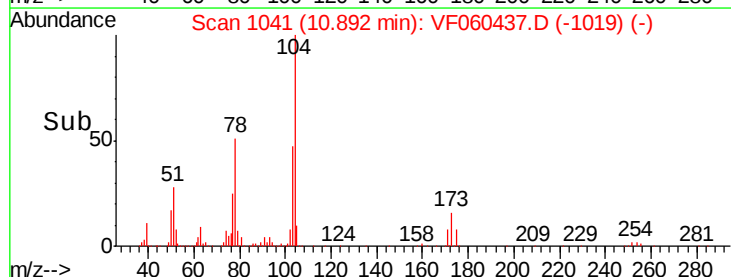
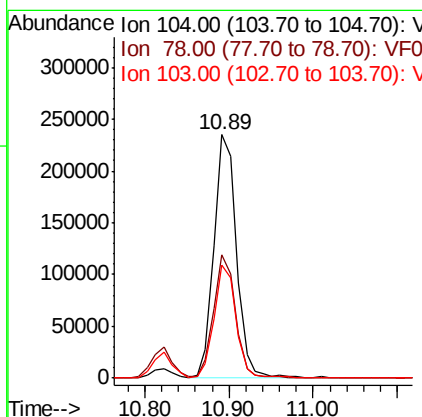
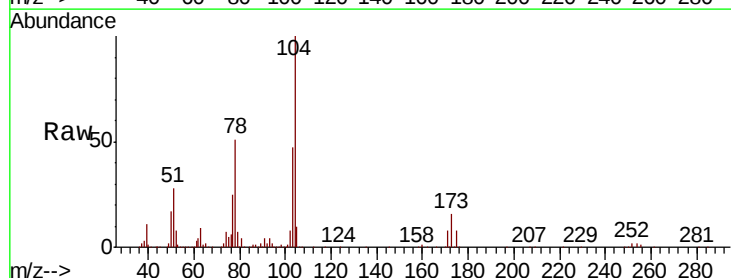
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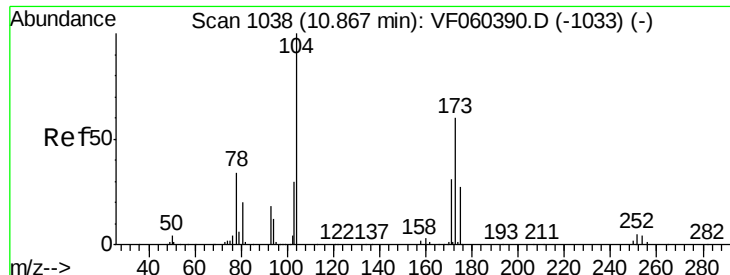
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#70
Styrene
Concen: 51.661 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.6	41.0	61.4	
103	46.6	36.4	54.6	





#71

Bromoform

Concen: 50.169 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 96796

Ion Ratio Lower Upper

173 100

175 50.0 22.1 66.1

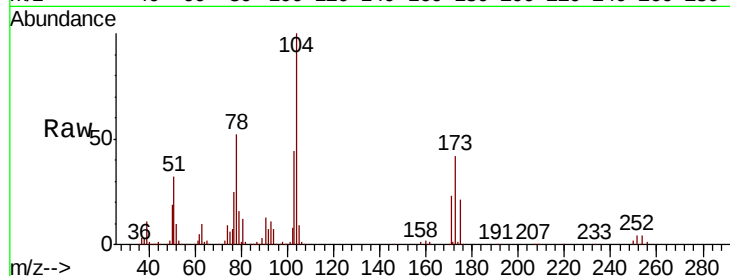
254 9.7 0.0 0.0#

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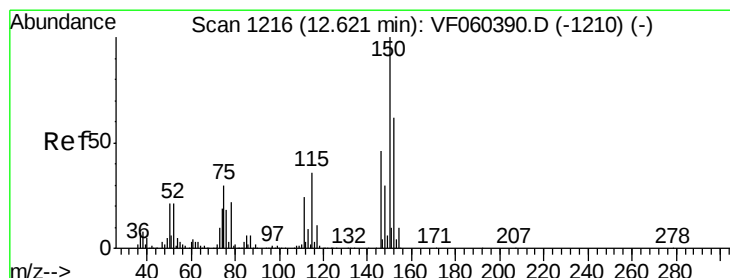
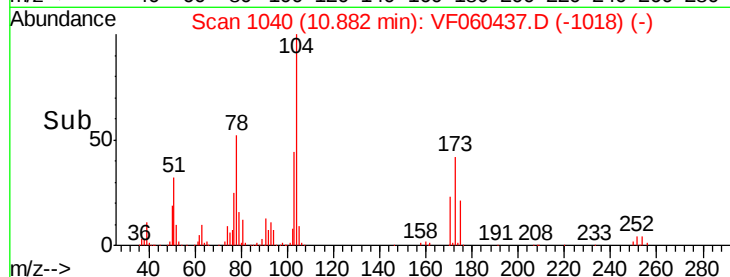
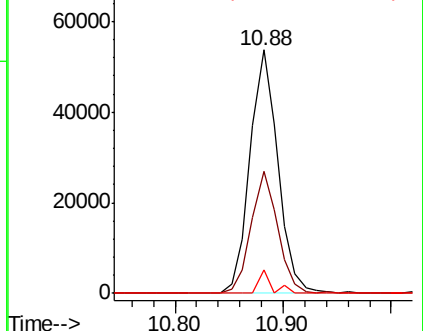
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

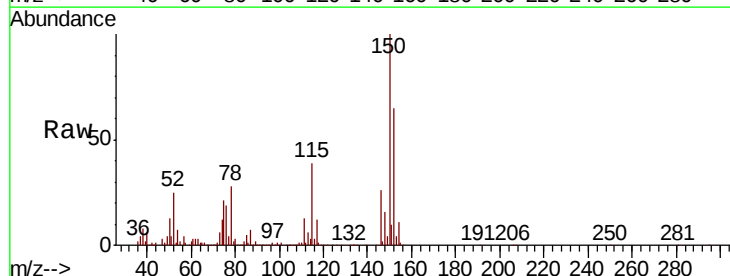
Tgt Ion:152 Resp: 223297

Ion Ratio Lower Upper

152 100

115 60.6 28.6 85.8

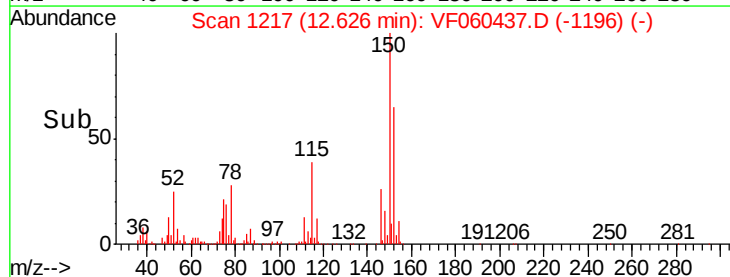
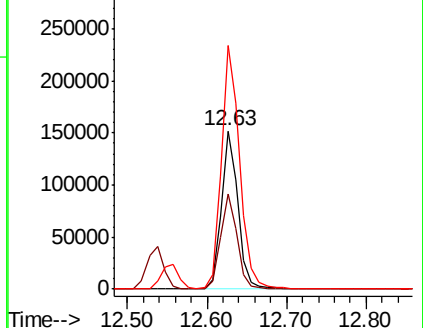
150 154.0 0.0 324.6

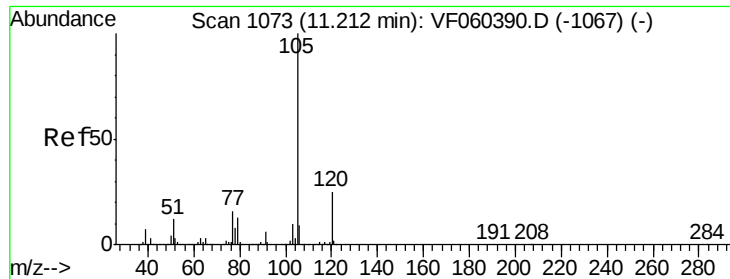


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.091 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 933437

Ion Ratio Lower Upper

105 100

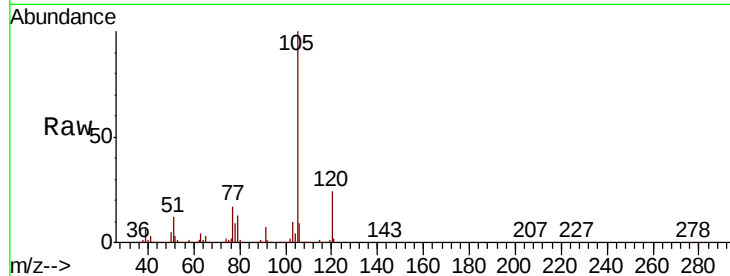
120 23.7 12.3 36.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

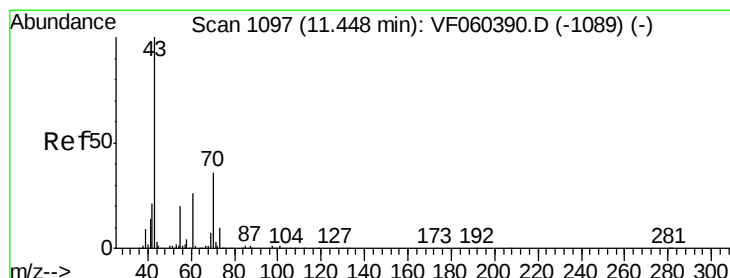
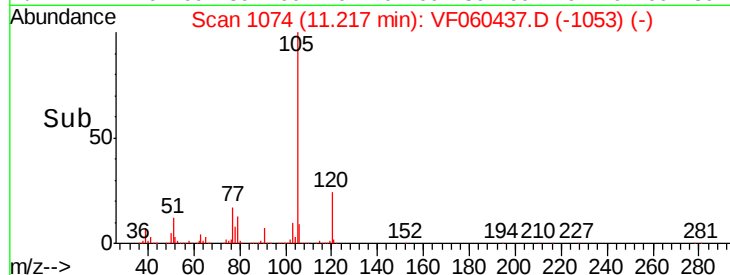
0

11.10

11.22

11.30

Time-->



#74

N-ethyl acetate

Concen: 54.085 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion: 43 Resp: 218239

Ion Ratio Lower Upper

43 100

70 33.2 29.1 43.7

55 19.6 16.3 24.5

61 26.2 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

200000

150000

100000

50000

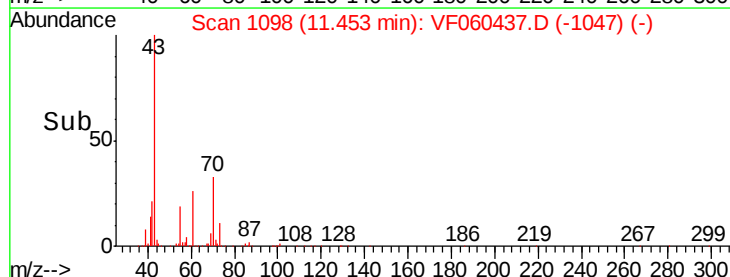
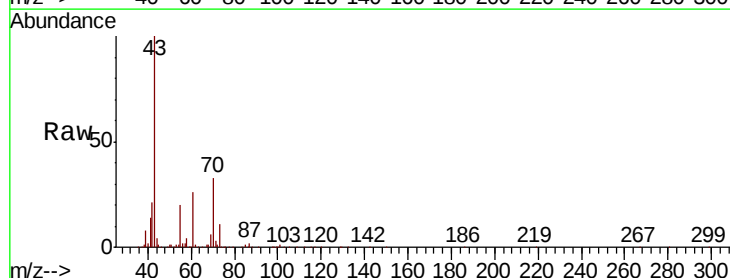
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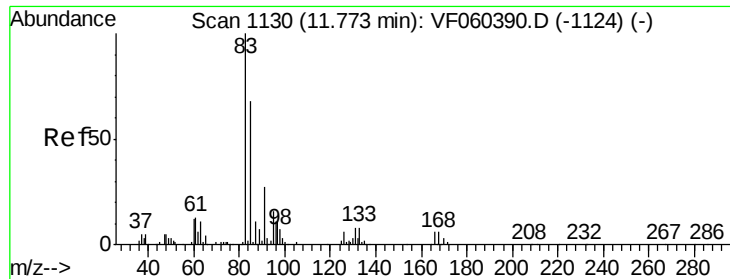
11.30

11.45

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.636 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

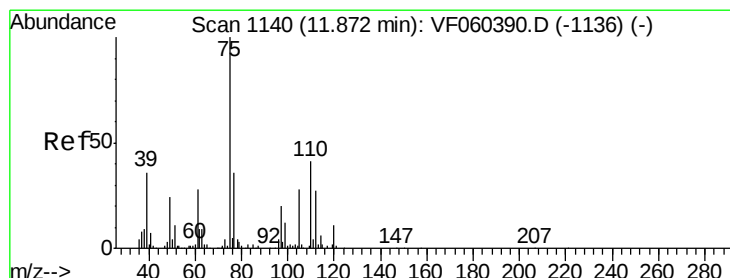
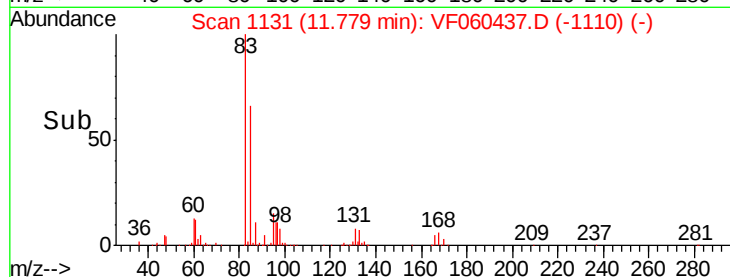
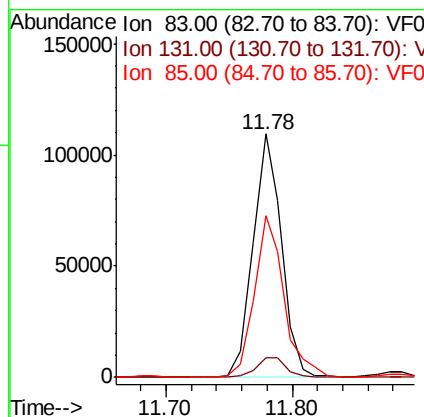
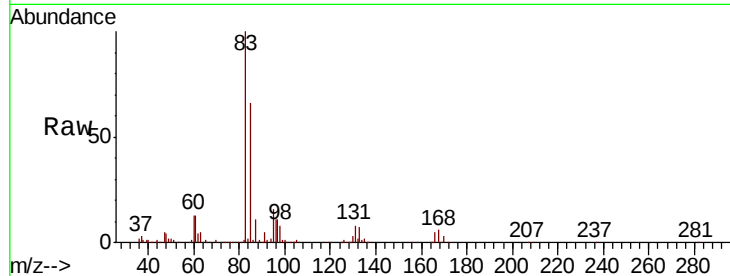
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	171927
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.0	12.0
85	66.2	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 52.257 ug/l

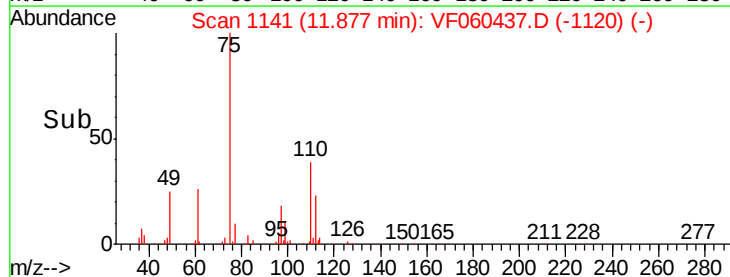
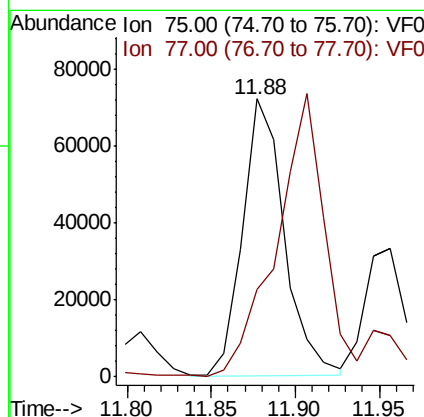
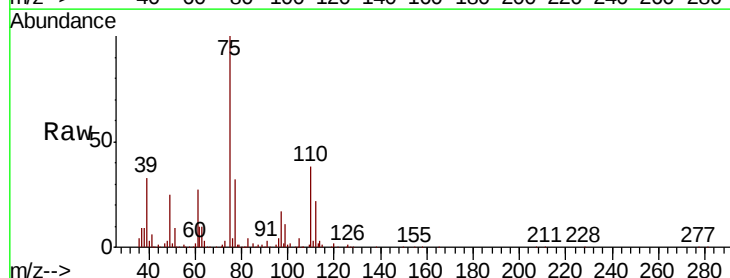
RT: 11.88 min Scan# 1141

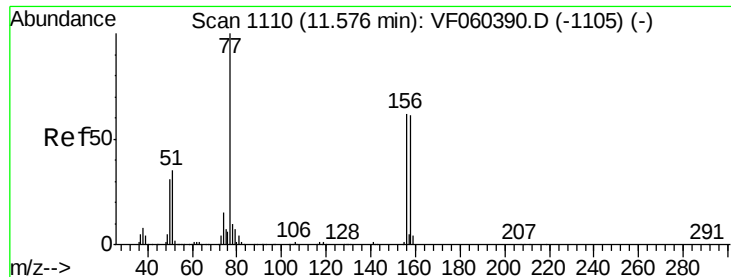
Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Tgt Ion:	75	Resp:	123317
Ion Ratio	Lower	Upper	
75	100		
77	31.7	18.1	54.4





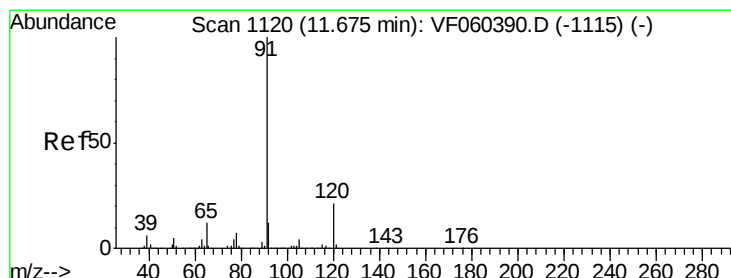
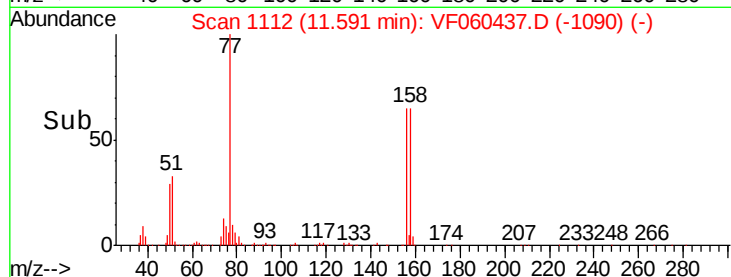
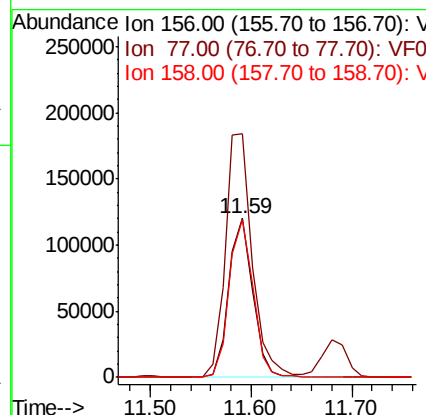
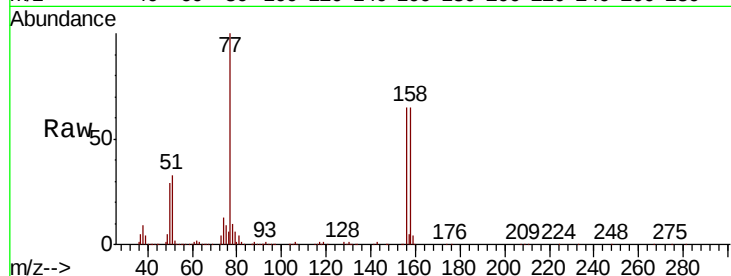
#77
Bromobenzene
Concen: 50.897 ug/l
RT: 11.59 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.1	81.3	243.9
158	99.5	49.6	149.0

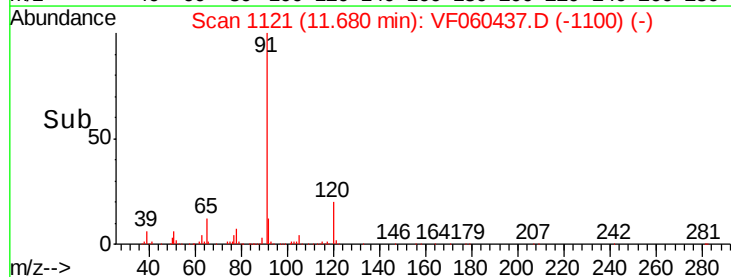
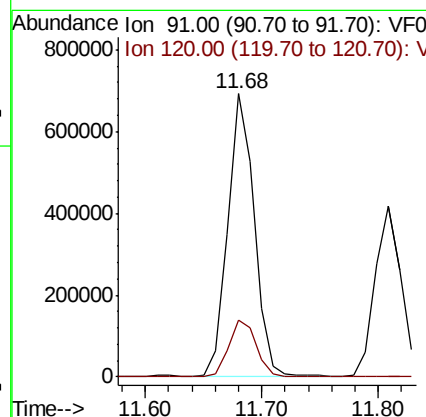
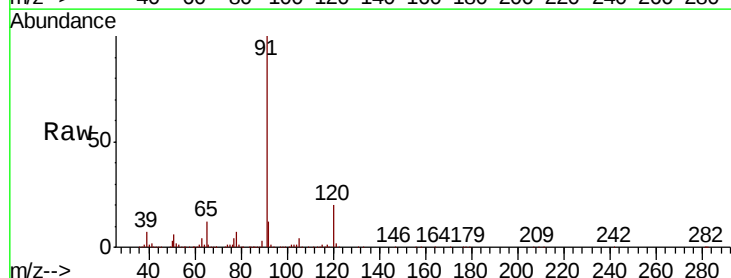
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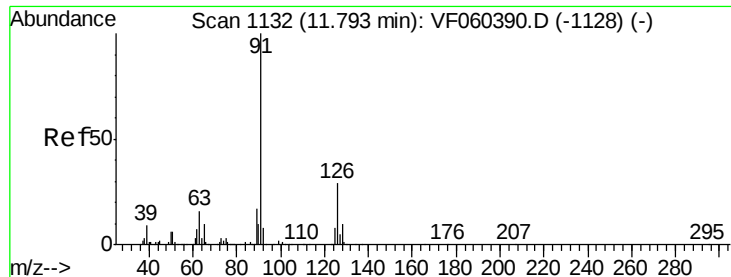
apatel
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#78
n-propylbenzene
Concen: 51.062 ug/l
RT: 11.68 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.5	31.6





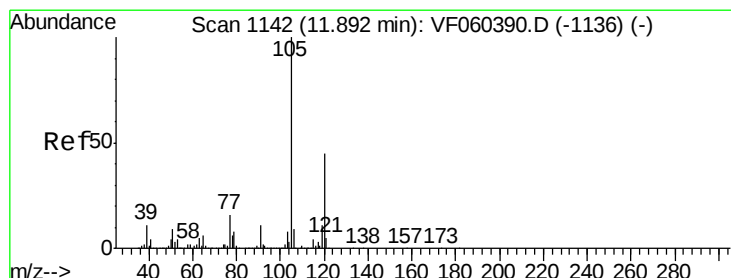
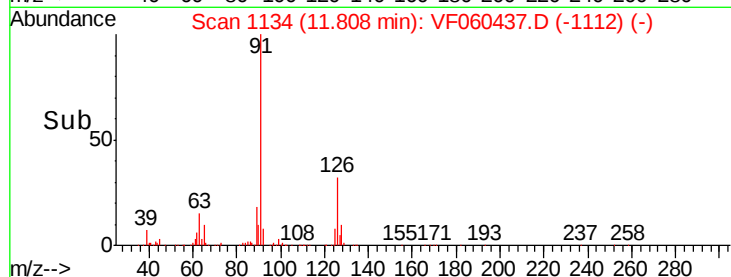
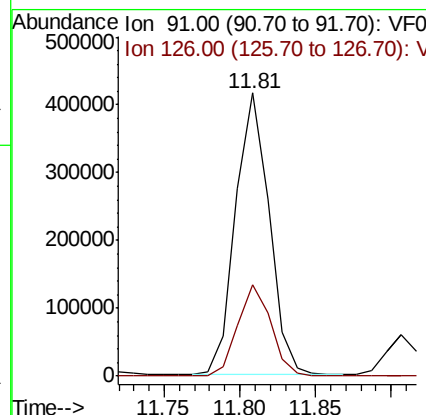
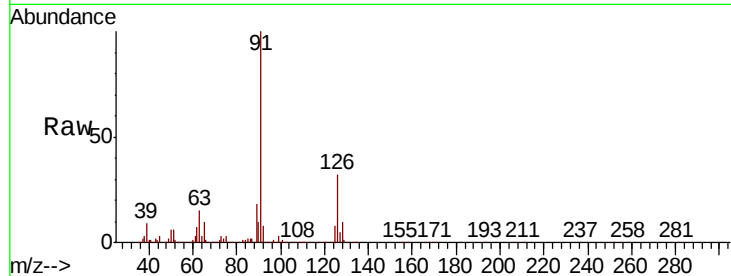
#79
 2-Chlorotoluene
 Concen: 51.495 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.1	14.4	43.4

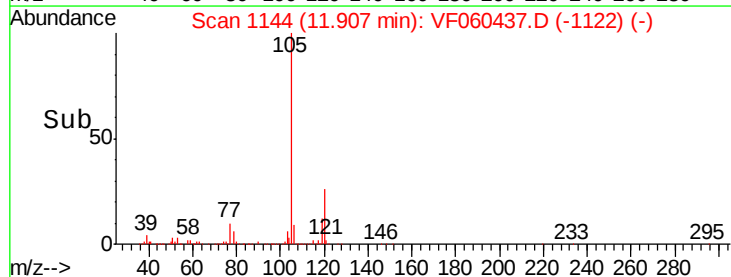
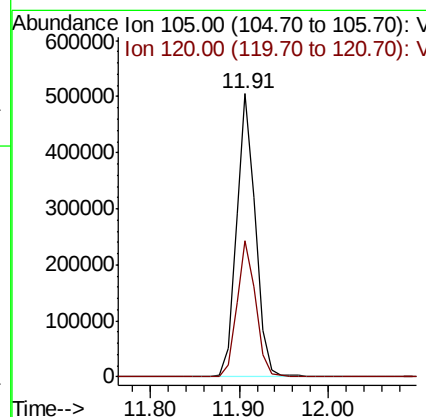
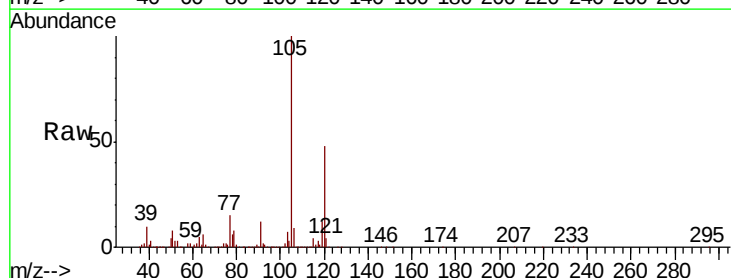
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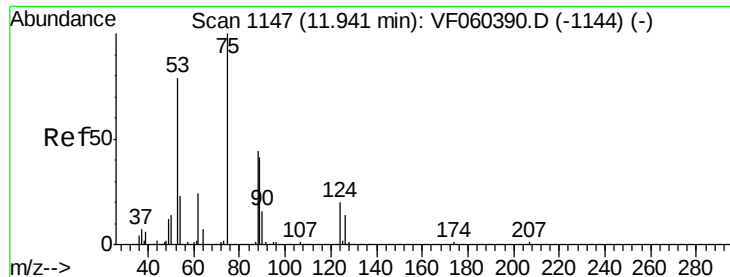
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.636 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	22.3	66.9





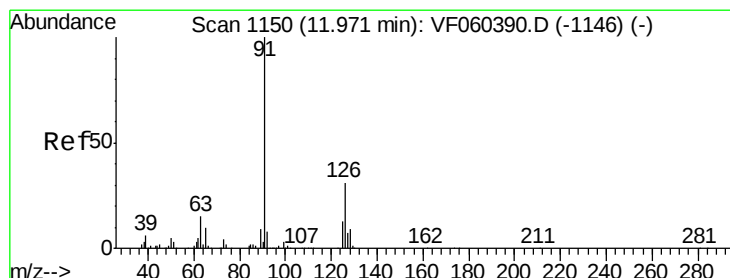
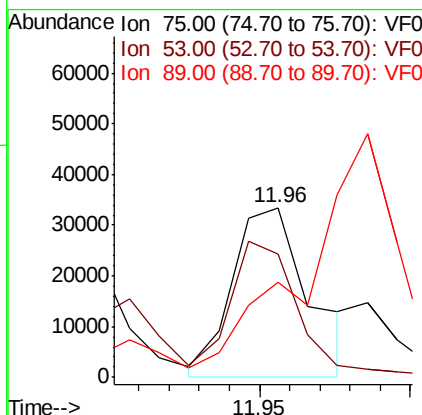
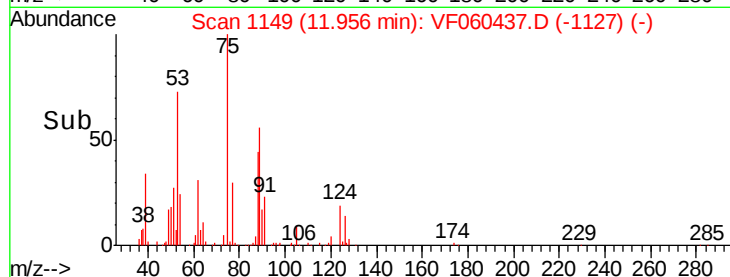
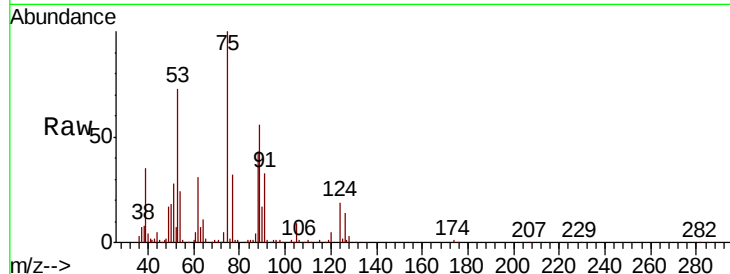
#81
trans-1,4-Dichloro-2-butene
Concen: 56.933 ug/l m
RT: 11.96 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 59556
Ion Ratio Lower Upper
75 100
53 72.7 67.8 101.8
89 55.8 36.7 55.1#

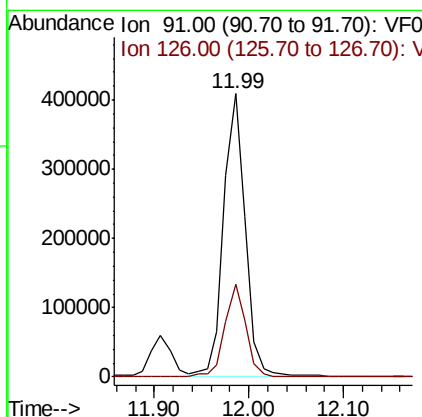
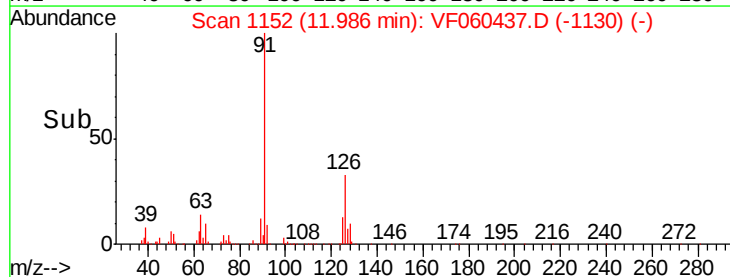
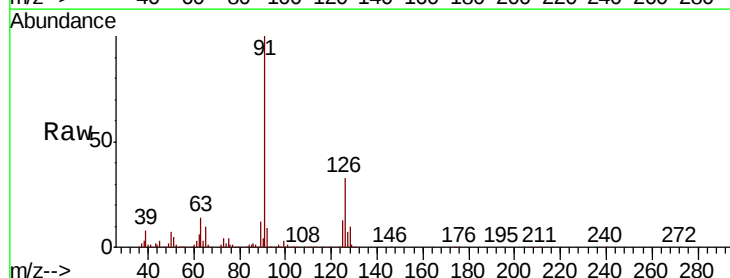
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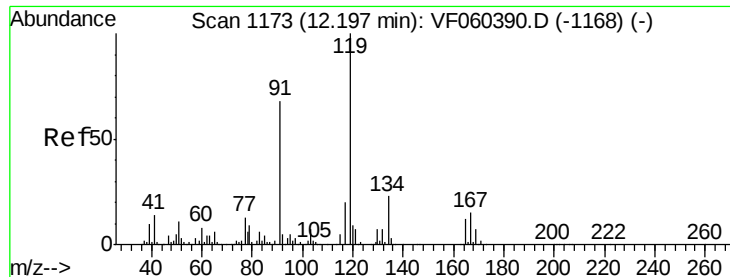
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#82
4-Chlorotoluene
Concen: 50.044 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion: 91 Resp: 638416
Ion Ratio Lower Upper
91 100
126 32.8 15.7 47.0





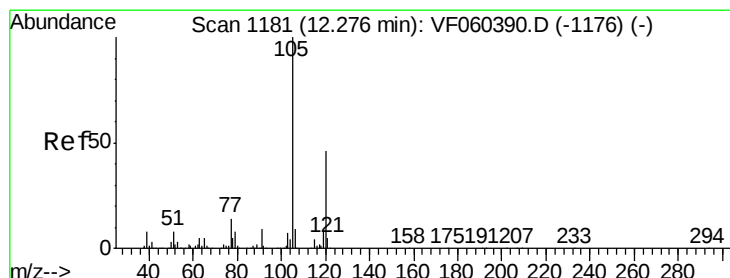
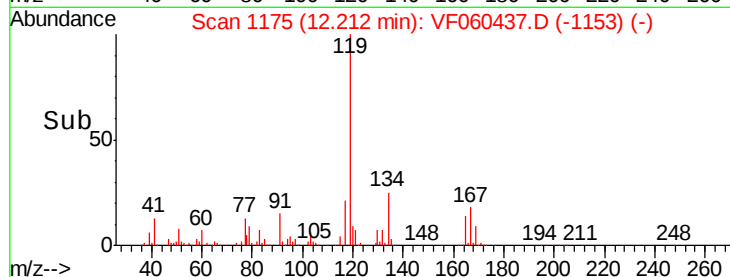
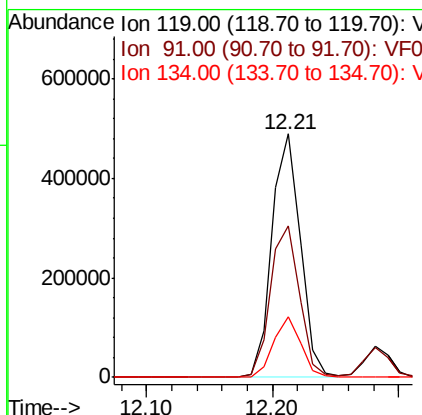
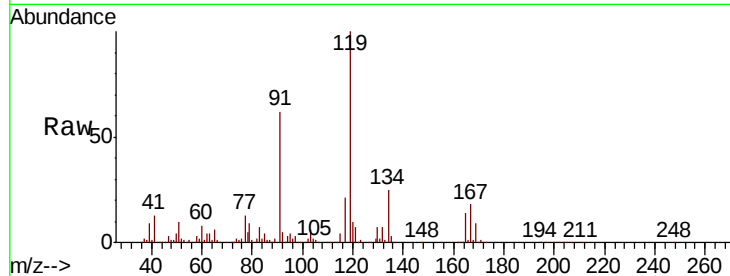
#83
tert-Butylbenzene
Concen: 52.419 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	34.0	102.0
134	24.9	11.7	35.0

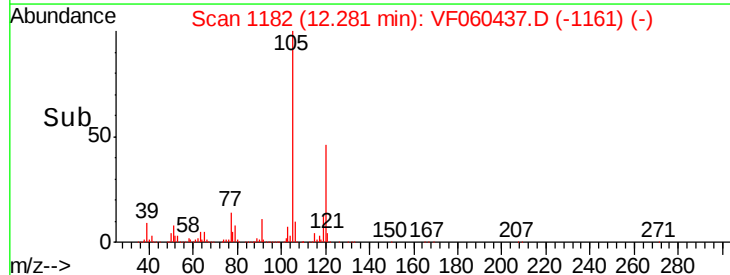
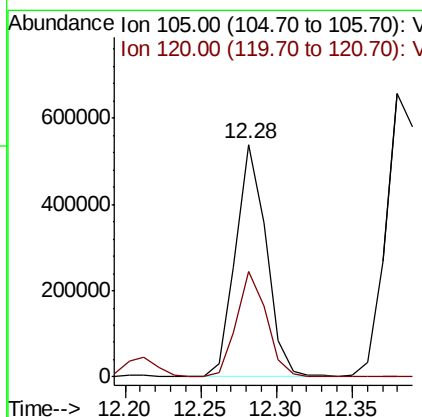
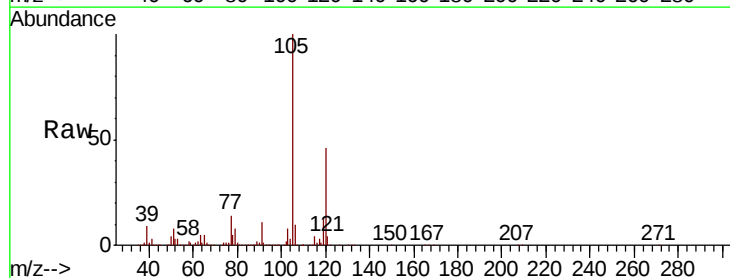
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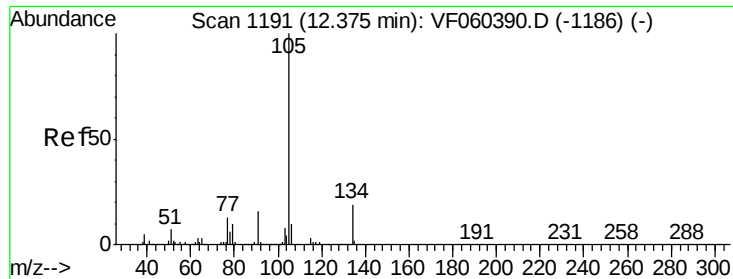
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#84
1,2,4-Trimethylbenzene
Concen: 51.531 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.265 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1042553

Ion Ratio Lower Upper

105 100

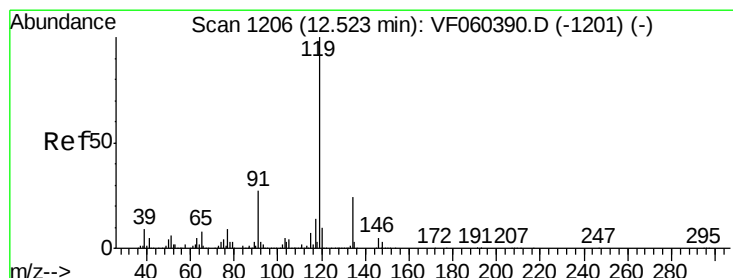
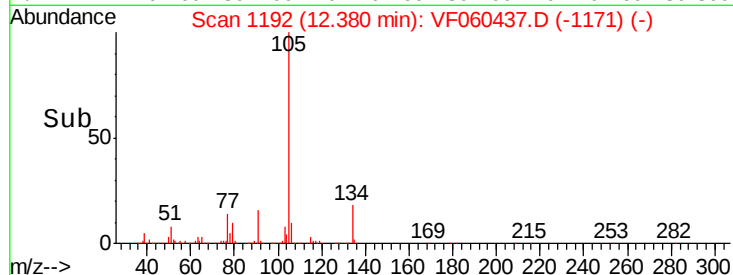
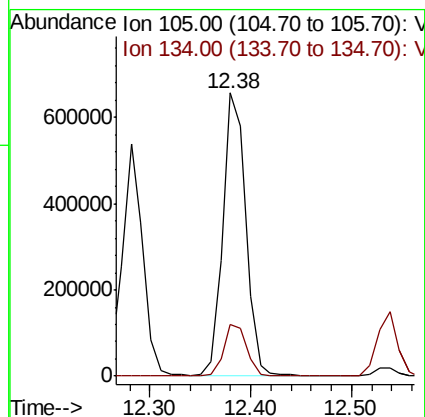
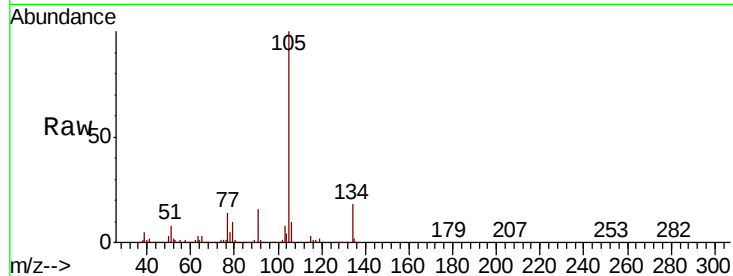
134 18.3 9.4 28.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.679 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.02 min

Lab File: VF060437.D

Acq: 4 Oct 2018 15:03

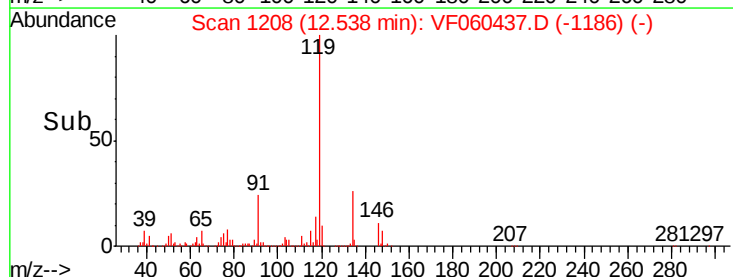
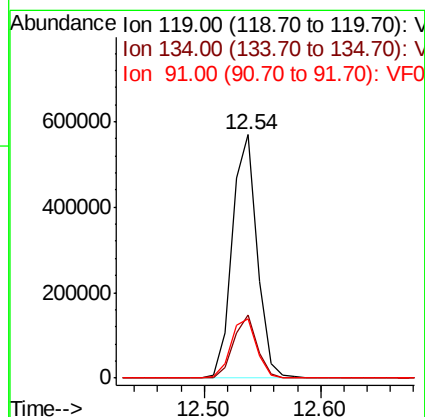
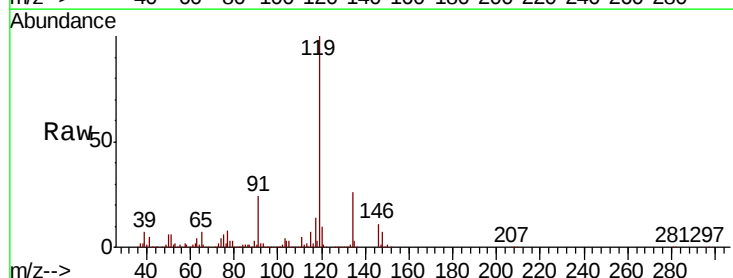
Tgt Ion:119 Resp: 842009

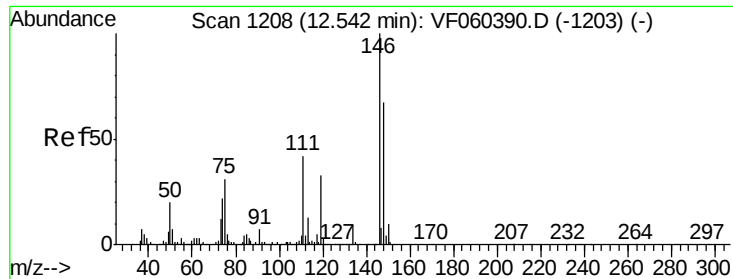
Ion Ratio Lower Upper

119 100

134 26.0 12.3 36.8

91 24.3 13.5 40.4





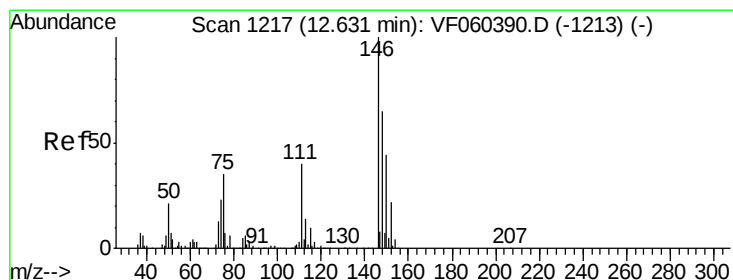
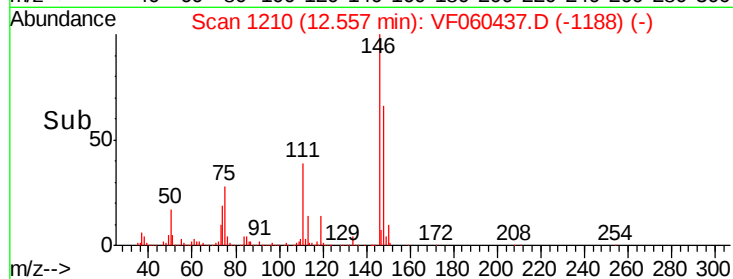
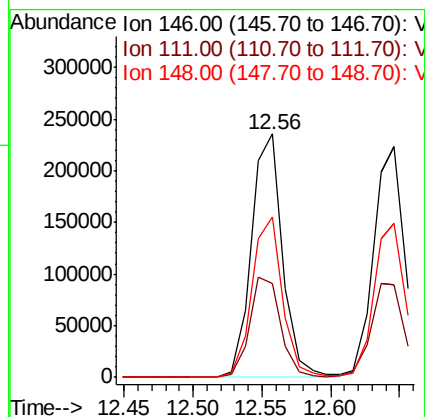
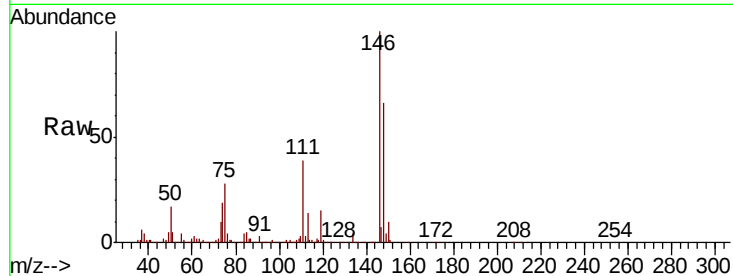
#87
 1,3-Dichlorobenzene
 Concen: 50.523 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.9	62.7
148	65.8	33.6	100.8

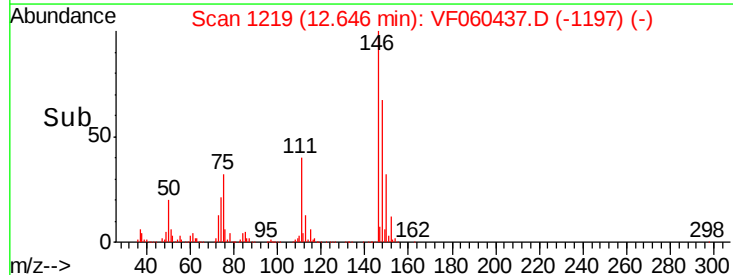
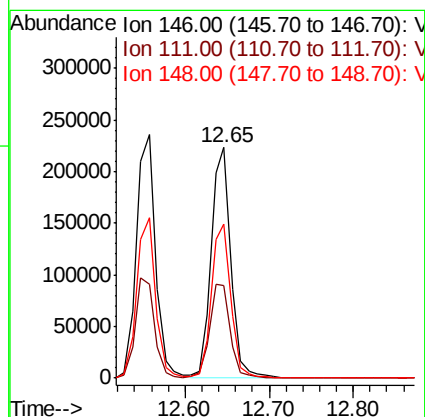
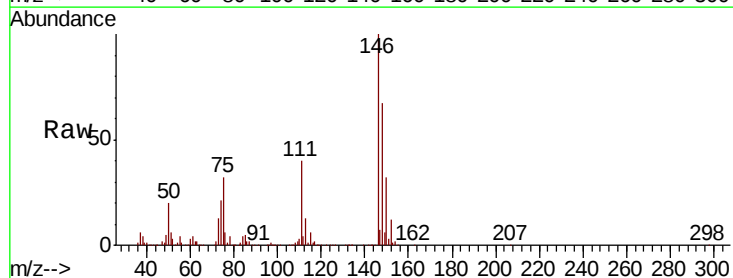
Manual Integrations
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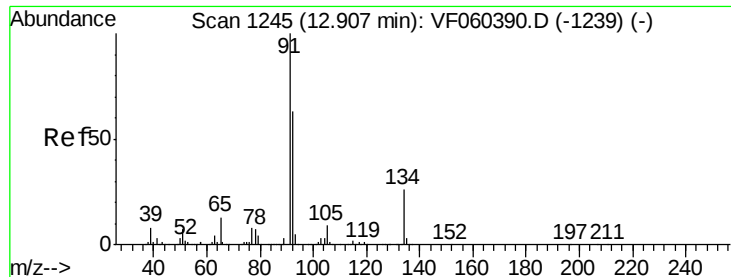
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#88
 1,4-Dichlorobenzene
 Concen: 49.407 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	66.9	32.6	97.8





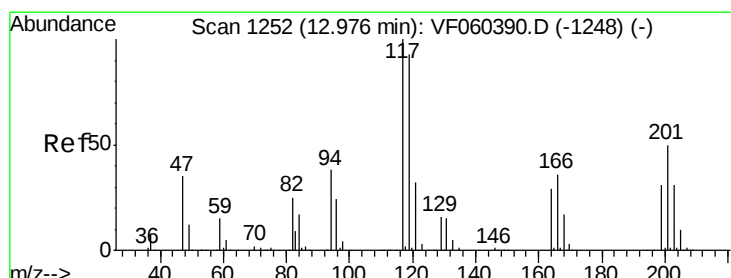
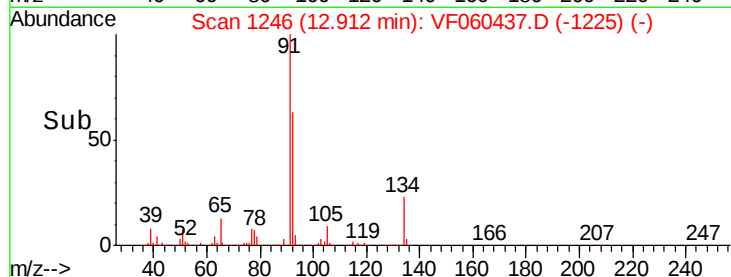
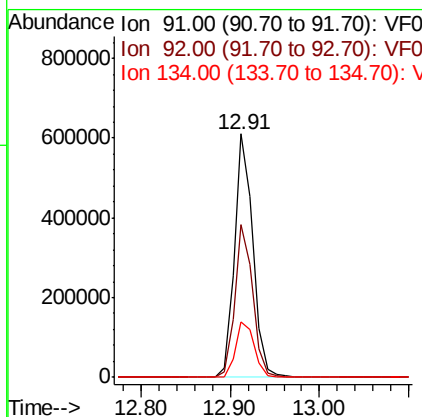
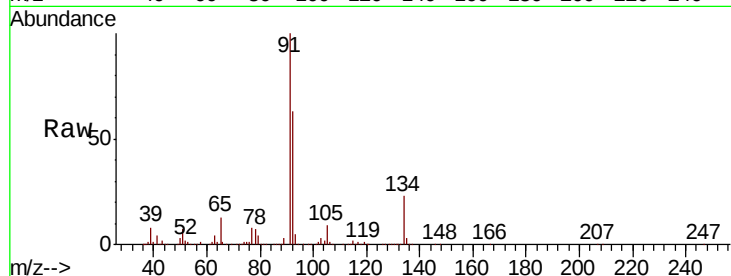
#89
n-Butylbenzene
Concen: 50.542 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.6	31.3	93.9
134	22.8	13.0	38.9

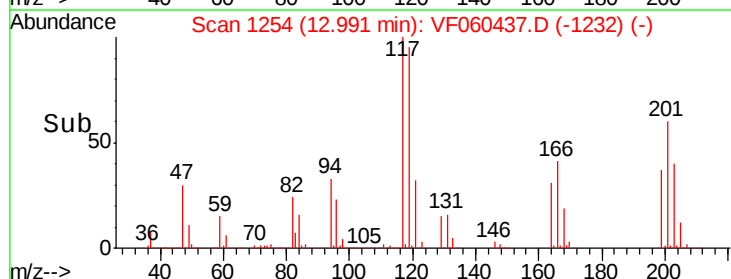
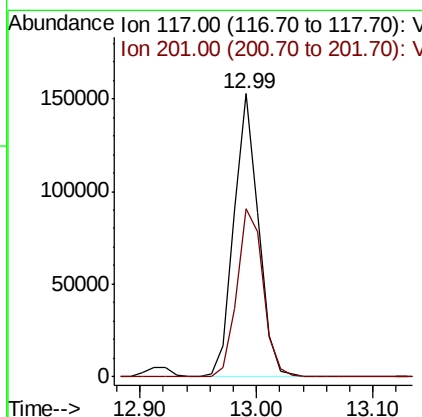
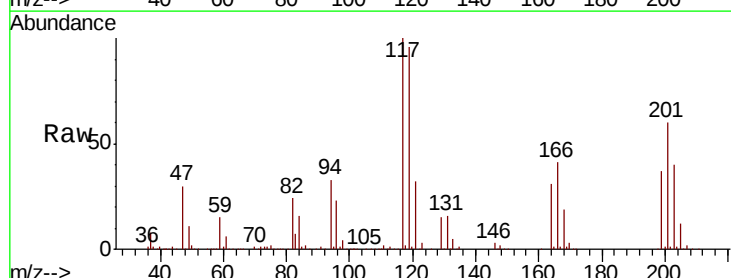
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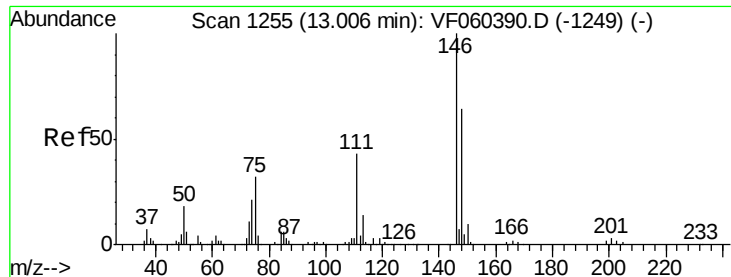
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#90
Hexachloroethane
Concen: 52.071 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.0	25.5	76.5





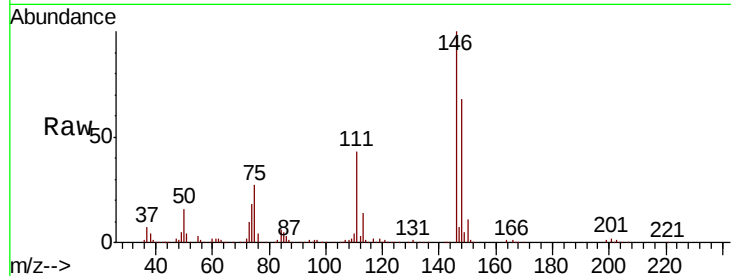
#91
 1,2-Dichlorobenzene
 Concen: 49.828 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	67.7	32.2	96.6

Manual Integrations
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apatel
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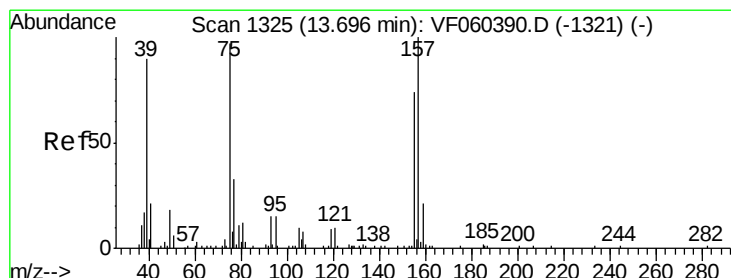
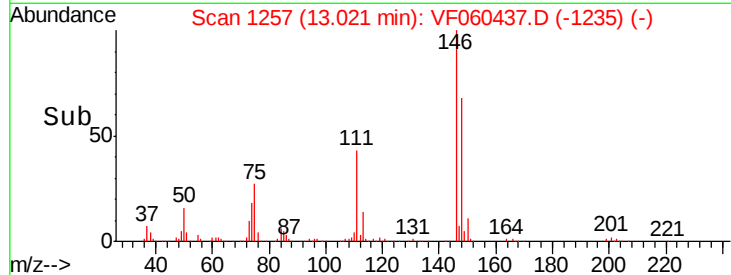
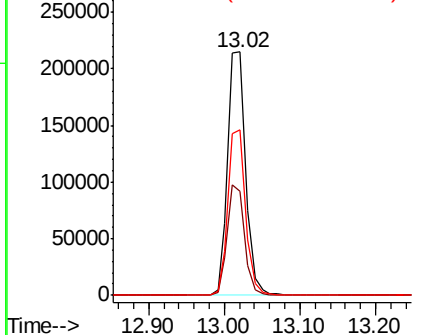


Abundance

Ion 146.00 (145.70 to 146.70): V

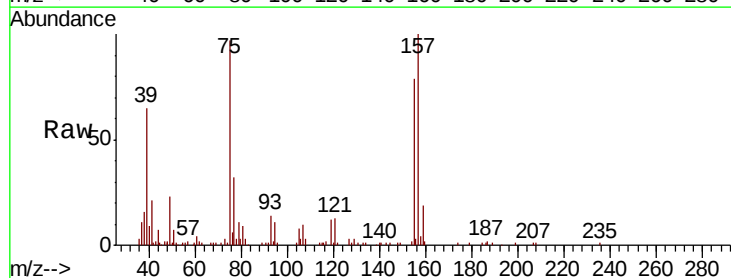
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.360 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	37.9	113.6
157	102.6	51.3	154.0

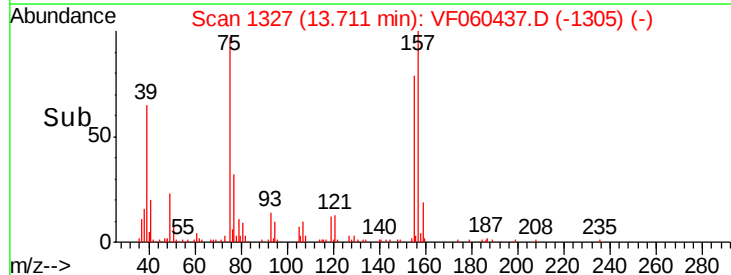
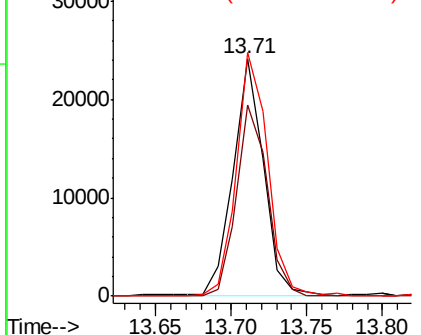


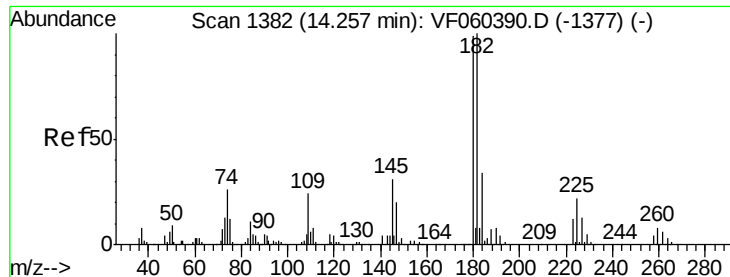
Abundance

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





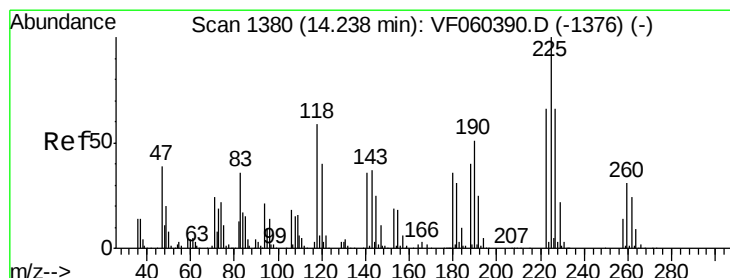
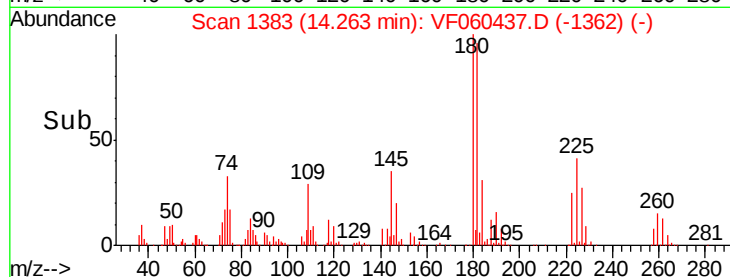
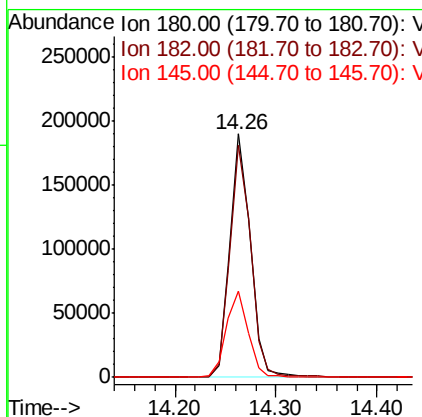
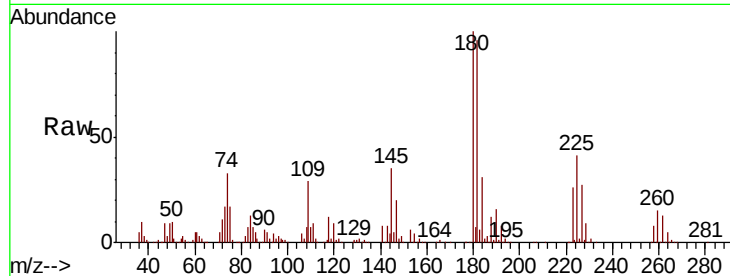
#93
 1,2,4-Trichlorobenzene
 Concen: 50.877 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269463		
182	95.5	50.3	150.9	
145	35.3	15.5	46.5	

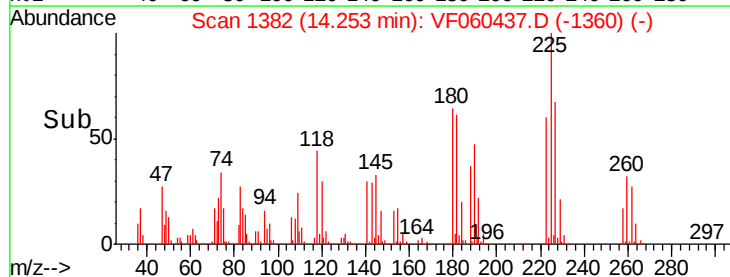
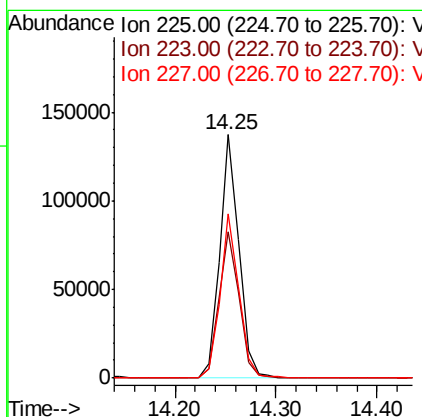
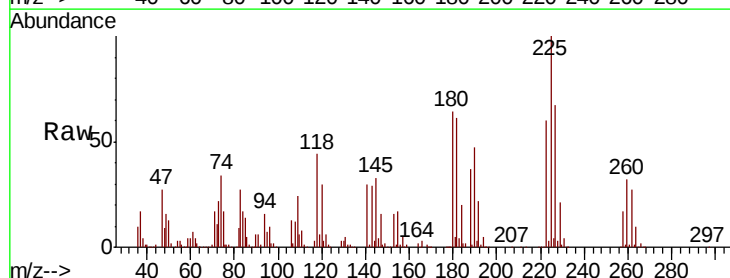
Manual Integrations
 APPROVED

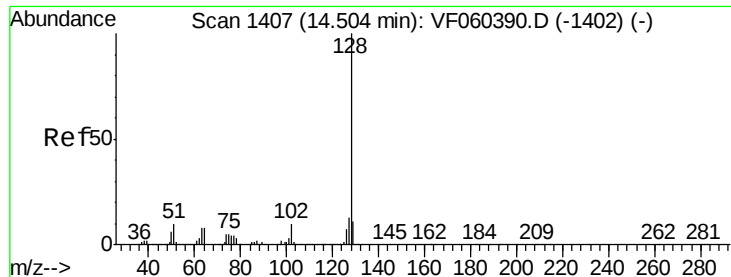
apatel
 10/5/2018 12:26:23 PM



#94
 Hexachlorobutadiene
 Concen: 49.663 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.02 min
 Lab File: VF060437.D
 Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183582		
223	60.3	32.8	98.4	
227	67.3	33.0	99.0	





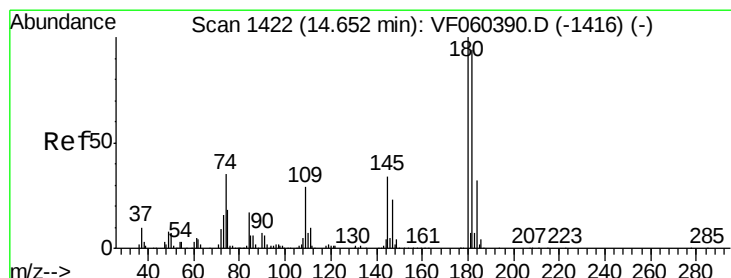
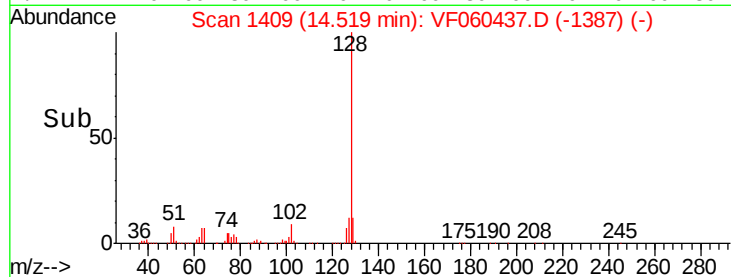
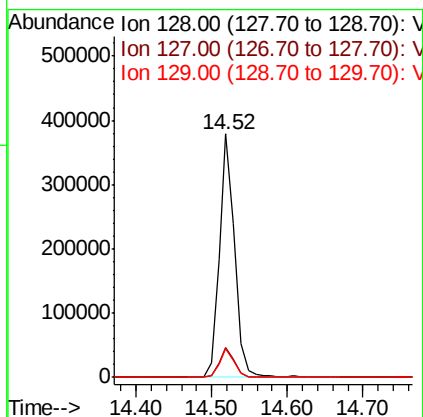
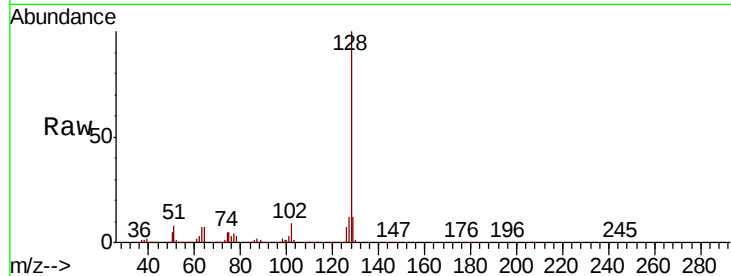
#95
Naphthalene
Concen: 56.633 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	536293		
127	12.3	10.0	15.0	
129	11.9	8.7	13.1	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.531 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.02 min
Lab File: VF060437.D
Acq: 4 Oct 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	255839		
182	97.0	46.8	140.3	
145	32.7	16.9	50.6	

