

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060610.D
 Acq On : 6 Nov 2018 12:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 11/7/2018 11:21:27 AM

Quant Time: Nov 06 14:19:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	264729	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.61	114	434362	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	396915	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	214588	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	132890	49.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	4.13	113	166978	49.76	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	7.58	98	494003	49.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.42	95	228017	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	144902	52.592	ug/l	94
3) Chloromethane	1.10	50	119590	51.617	ug/l	97
4) Vinyl Chloride	1.15	62	104185	48.800	ug/l	93
5) Bromomethane	1.31	94	59544	49.687	ug/l	94
6) Chloroethane	1.37	64	42054	54.985	ug/l	99
7) Trichlorofluoromethane	1.49	101	211646	52.966	ug/l	98
8) Diethyl Ether	1.64	74	31467	42.489	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	111494	48.828	ug/l	95
10) Methyl Iodide	1.89	142	178898	47.610	ug/l	93
11) Tert butyl alcohol	2.58	59	28594	202.851	ug/l #	83
12) 1,1-Dichloroethene	1.79	96	92912	48.312	ug/l	94
13) Acrolein	2.00	56	19657	220.025	ug/l	98
14) Allyl chloride	2.10	41	164574	52.408	ug/l	97
15) Acrylonitrile	2.95	53	73217	229.684	ug/l	94
16) Acetone	2.24	43	140406	222.770	ug/l	94
17) Carbon Disulfide	1.82	76	262505	48.457	ug/l	98
18) Methyl Acetate	2.35	43	50983	52.056	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	216761	48.215	ug/l	98
20) Methylene Chloride	2.19	84	89835m	47.836	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	99132	49.133	ug/l	97
22) Diisopropyl ether	2.81	45	328297	49.344	ug/l	98
23) Vinyl Acetate	3.20	43	816412	204.231	ug/l	97
24) 1,1-Dichloroethane	2.88	63	192049	49.876	ug/l	97
25) 2-Butanone	4.35	43	268483	223.027	ug/l	98
26) 2,2-Dichloropropane	3.61	77	143542	49.821	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	178926	46.454	ug/l	98
28) Bromochloromethane	3.73	49	116236	48.102	ug/l	97
29) Tetrahydrofuran	4.08	42	109365	233.802	ug/l	98
30) Chloroform	3.88	83	301658	49.518	ug/l	98
31) Cyclohexane	3.71	56	248931	46.848	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	234470	55.108	ug/l	99
36) 1,1-Dichloropropene	4.30	75	225808	47.214	ug/l	100
37) Ethyl Acetate	4.12	43	97981	42.678	ug/l #	78
38) Carbon Tetrachloride	4.01	117	220058m	53.847	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	287889	49.326	ug/l	98
40) Benzene	4.65	78	549052	47.295	ug/l	99
41) Methacrylonitrile	4.76	41	57879	44.517	ug/l	97
42) 1,2-Dichloroethane	4.96	62	163252	48.996	ug/l	97
43) Isopropyl Acetate	6.97	43	122984	42.349	ug/l #	98
44) Trichloroethene	5.52	130	164737	47.216	ug/l	97
45) 1,2-Dichloropropane	6.25	63	150373	50.646	ug/l	98
46) Dibromomethane	6.11	93	94162	49.990	ug/l	96
47) Bromodichloromethane	6.40	83	222247	48.918	ug/l	100
48) Methyl methacrylate	6.73	41	77451	42.435	ug/l	96
49) 1,4-Dioxane	6.72	88	15564	815.175	ug/l #	87
51) 4-Methyl-2-Pentanone	8.28	43	423119	216.665	ug/l	100
52) Toluene	7.65	92	354924	46.934	ug/l	100
53) t-1,3-Dichloropropene	8.30	75	179020	45.337	ug/l	99
54) cis-1,3-Dichloropropene	7.32	75	245334	49.174	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	105655	48.012	ug/l	97
56) Ethyl methacrylate	8.64	69	123209	43.517	ug/l	95
57) 1,3-Dichloropropane	8.87	76	183369	47.489	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.65	63	48111	267.080	ug/l	100
59) 2-Hexanone	9.51	43	297725	227.988	ug/l	99
60) Dibromochloromethane	8.73	129	151690	49.288	ug/l	98
61) 1,2-Dibromoethane	9.01	107	112008	48.401	ug/l	93
64) Tetrachloroethene	8.17	164	142105	45.683	ug/l	96
65) Chlorobenzene	9.82	112	380208	46.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	158404	46.186	ug/l	97
67) Ethyl Benzene	9.91	91	694492	47.149	ug/l	98
68) m/p-Xylenes	10.15	106	495668	89.334	ug/l	97
69) o-Xylene	10.73	106	280882	46.361	ug/l	99
70) Styrene	10.80	104	403762	46.000	ug/l	97
71) Bromoform	10.79	173	78924	44.556	ug/l #	95
73) Isopropylbenzene	11.14	105	804815	48.091	ug/l	97
74) N-amyl acetate	11.38	43	190407	44.502	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	146164	47.850	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	64923	43.247	ug/l	100
77) Bromobenzene	11.51	156	176624	48.233	ug/l	90
78) n-propylbenzene	11.61	91	954170	48.731	ug/l	95
79) 2-Chlorotoluene	11.74	91	540176	48.307	ug/l	96
80) 1,3,5-Trimethylbenzene	11.84	105	648063	46.980	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	52800m	44.753	ug/l	
82) 4-Chlorotoluene	11.92	91	535238	45.878	ug/l	94
83) tert-Butylbenzene	12.14	119	655621	46.523	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	635731	47.061	ug/l	97
85) sec-Butylbenzene	12.32	105	919626	47.438	ug/l	98
86) p-Isopropyltoluene	12.47	119	770214	48.247	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	328800	45.746	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	330059	48.415	ug/l	99
89) n-Butylbenzene	12.85	91	775632	50.068	ug/l	98
90) Hexachloroethane	12.93	117	188939	46.539	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	310314	46.149	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24561	46.280	ug/l	86

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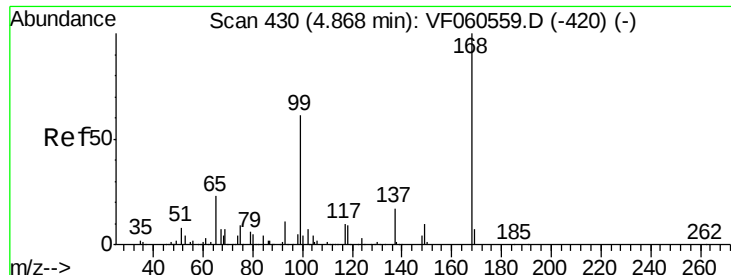
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	216479	47.388	ug/l	96
94) Hexachlorobutadiene	14.21	225	140593	47.495	ug/l	97
95) Naphthalene	14.47	128	385620	42.175	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	199903	46.324	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.03 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 264729

Ion Ratio Lower Upper

168 100

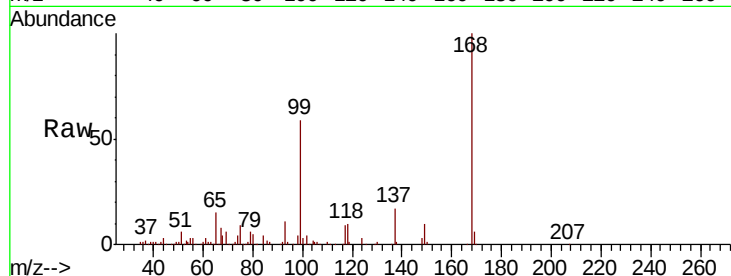
99 59.3 48.6 72.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

80000

60000

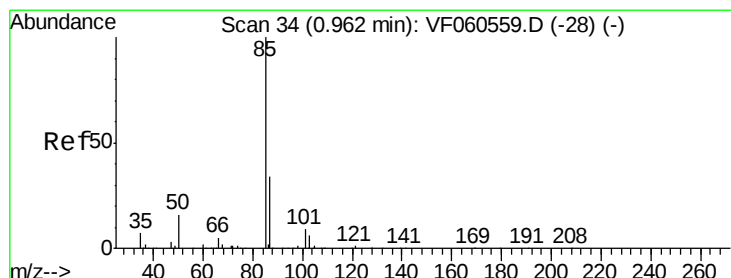
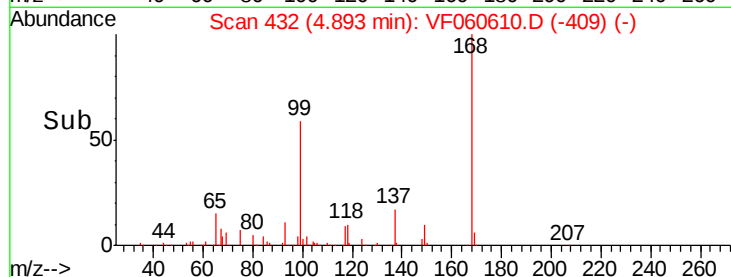
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.592 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF060610.D

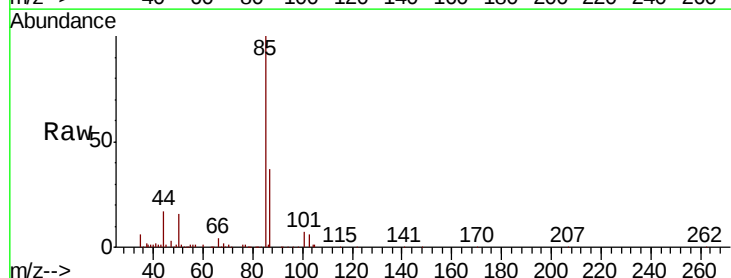
Acq: 6 Nov 2018 12:45

Tgt Ion: 85 Resp: 144902

Ion Ratio Lower Upper

85 100

87 37.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

30000

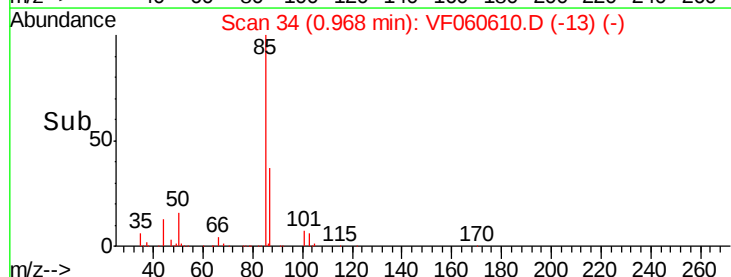
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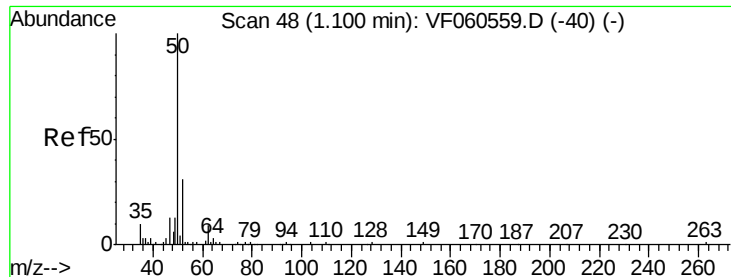
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 51.617 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 119590

Ion Ratio Lower Upper

50 100

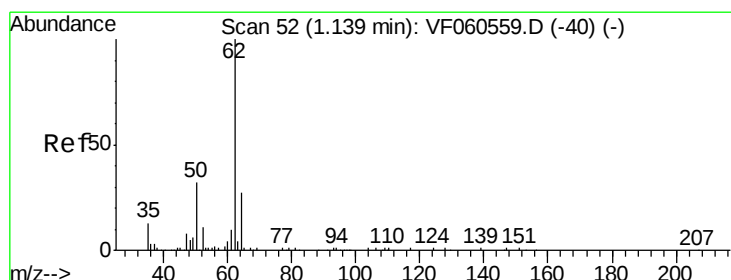
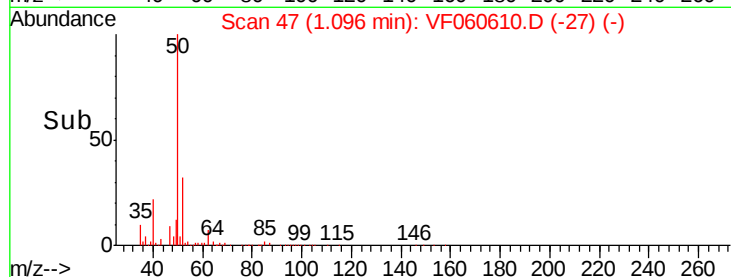
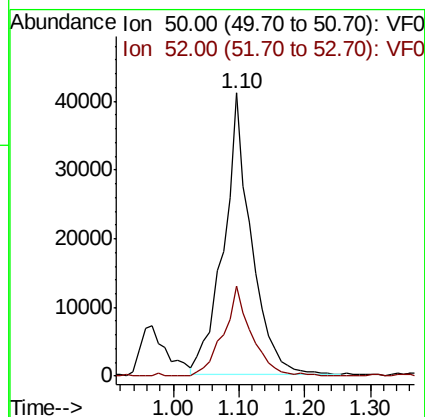
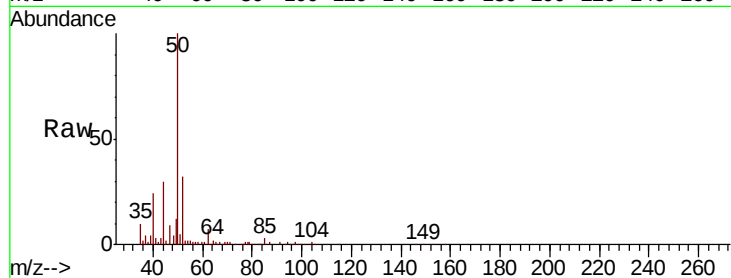
52 31.8 24.0 36.0

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#4

Vinyl Chloride

Concen: 48.800 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060610.D

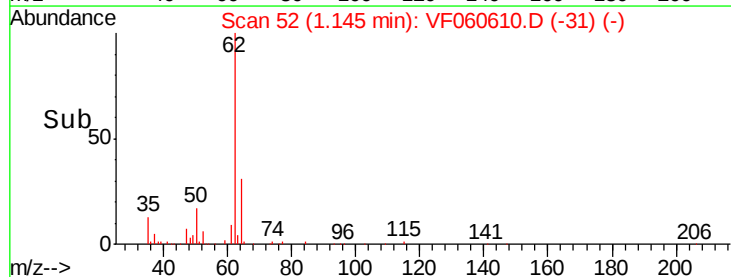
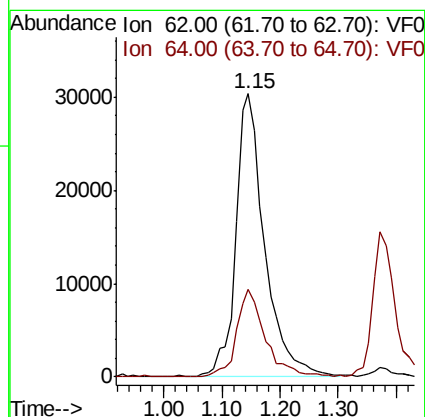
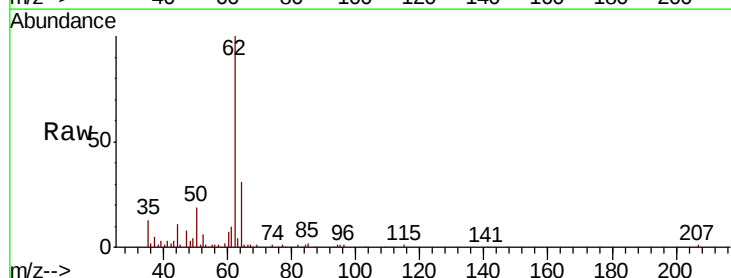
Acq: 6 Nov 2018 12:45

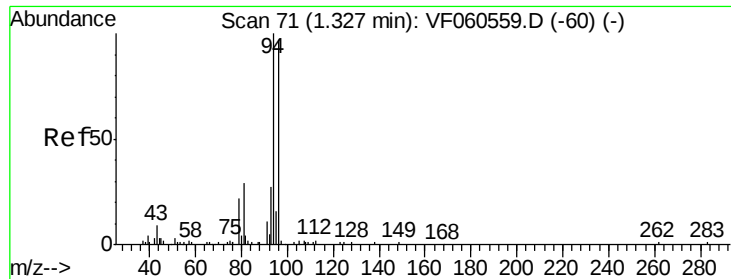
Tgt Ion: 62 Resp: 104185

Ion Ratio Lower Upper

62 100

64 31.0 21.8 32.6





#5

Bromomethane

Concen: 49.687 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 59544

Ion Ratio Lower Upper

94 100

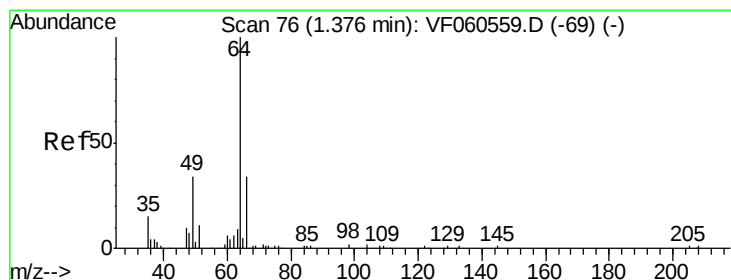
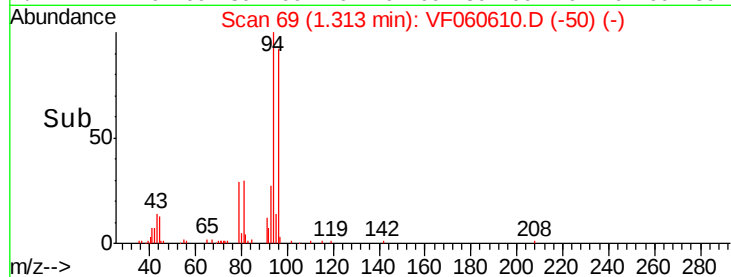
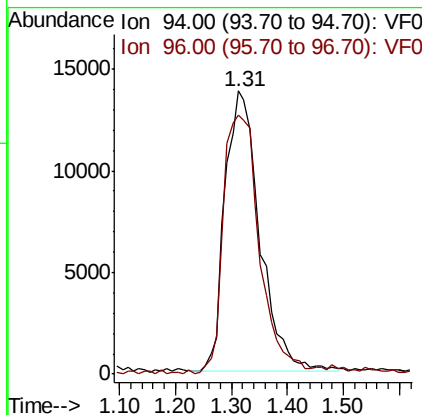
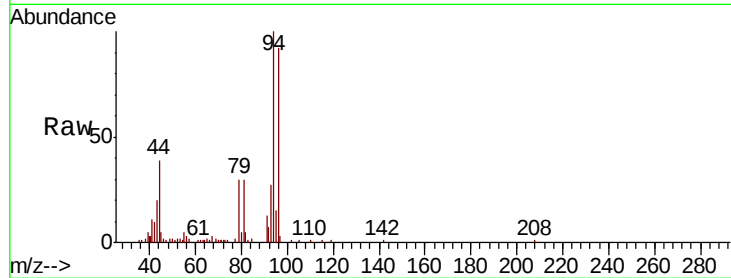
96 91.6 77.9 116.9

Manual Integrations

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#6

Chloroethane

Concen: 54.985 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.00 min

Lab File: VF060610.D

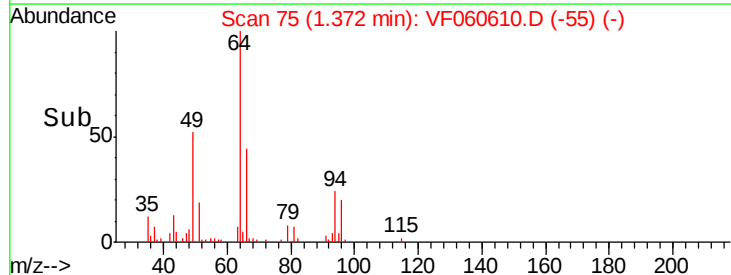
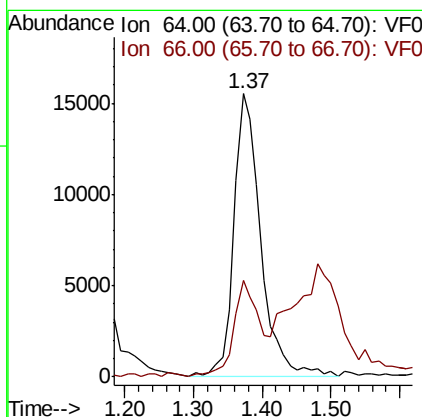
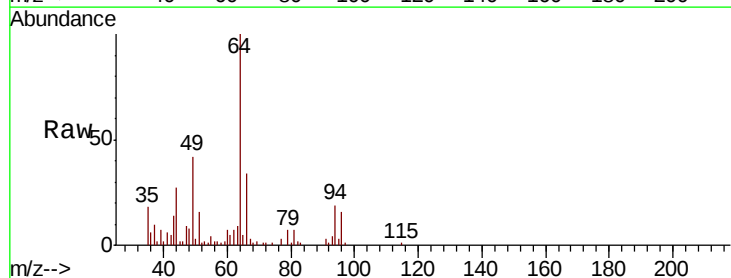
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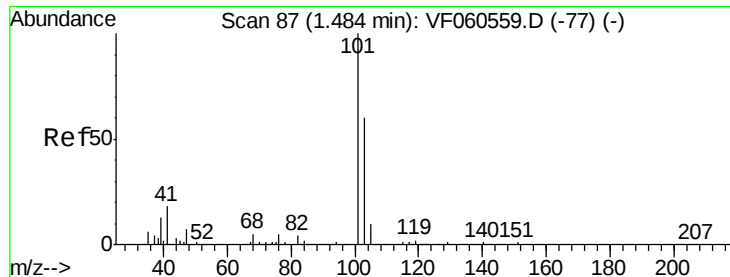
Tgt Ion: 64 Resp: 42054

Ion Ratio Lower Upper

64 100

66 34.0 27.8 41.8





#7

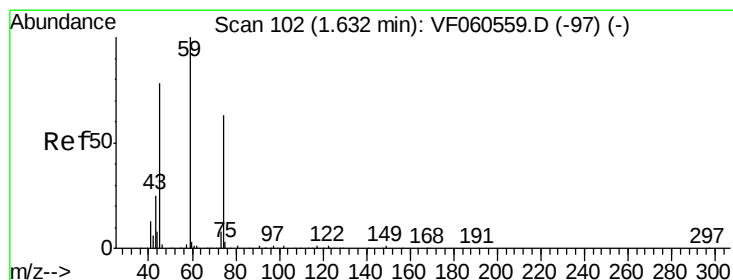
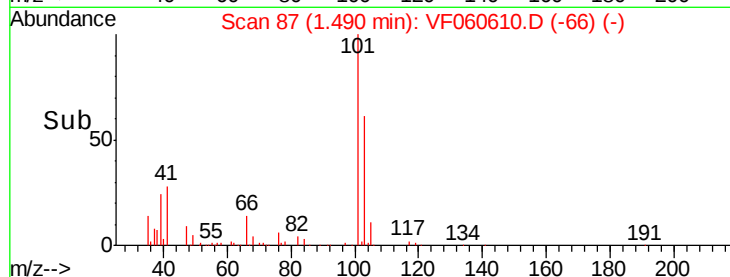
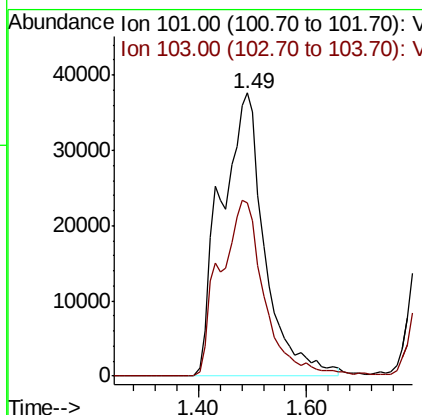
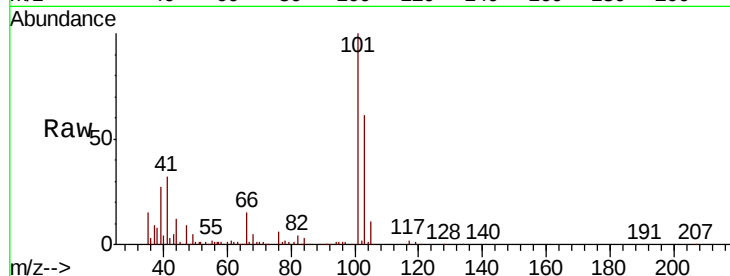
Trichlorofluoromethane
Concen: 52.966 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	48.0	72.0

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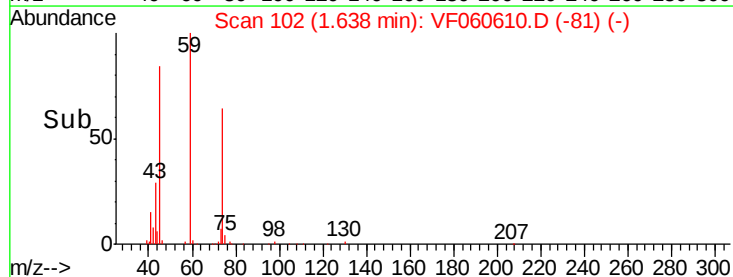
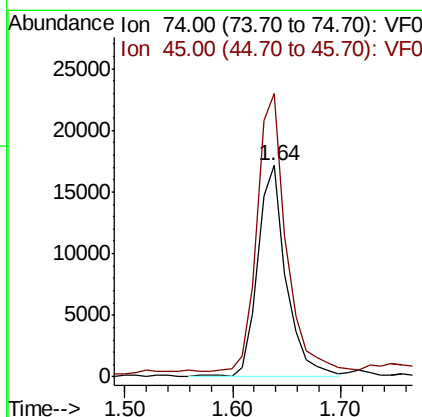
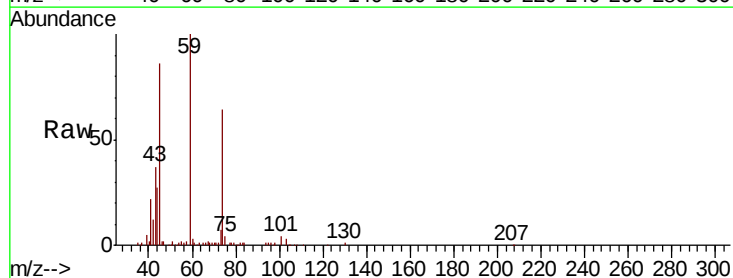
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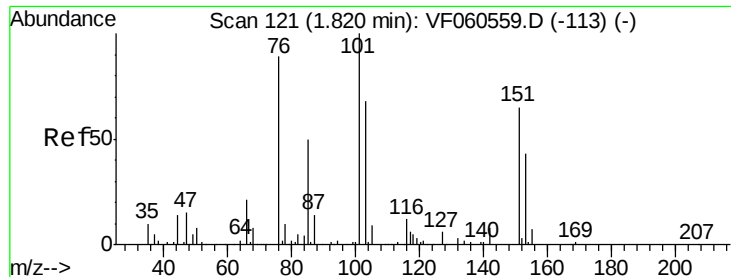


#8

Diethyl Ether
Concen: 42.489 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.1	63.8	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.828 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

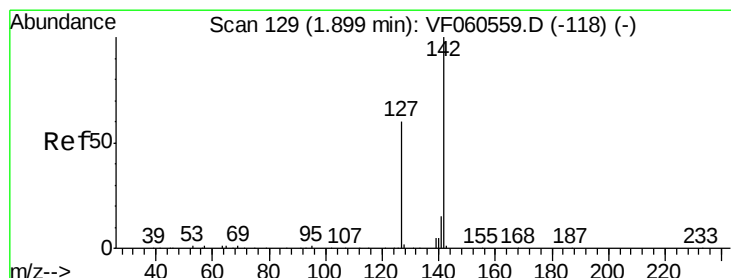
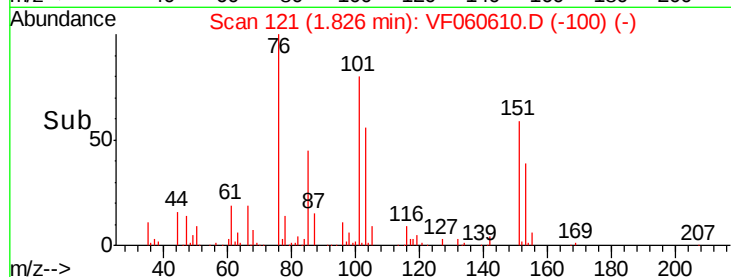
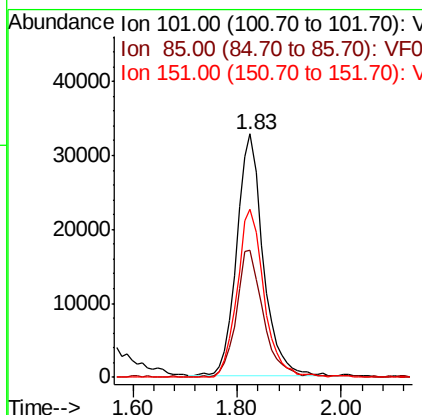
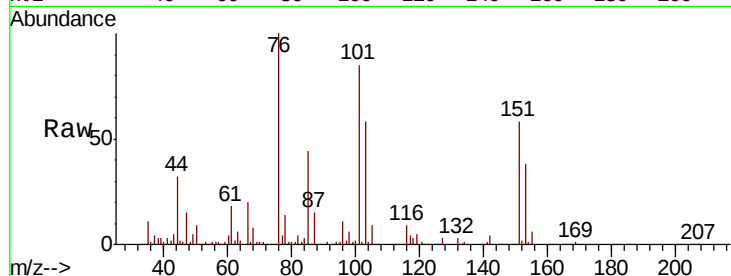
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	111494
Ion Ratio	Lower	Upper	
101	100		
85	52.3	39.8	59.6
151	68.8	50.8	76.2

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#10

Methyl Iodide

Concen: 47.610 ug/l

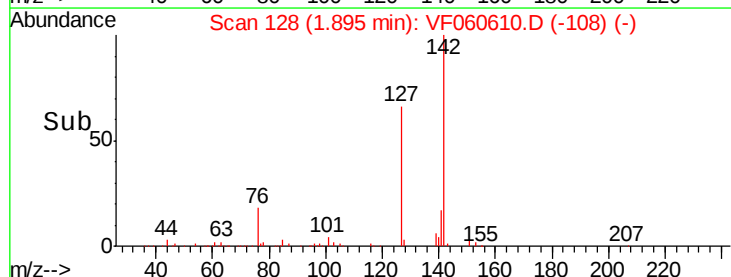
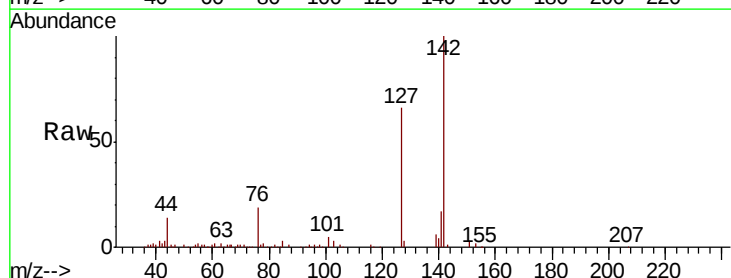
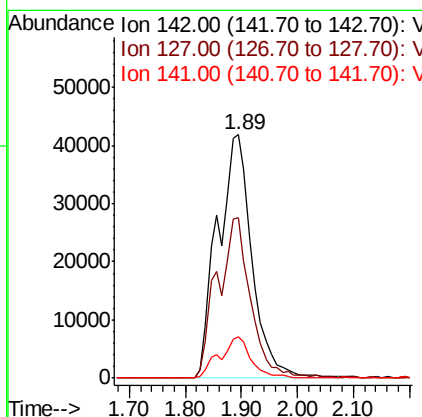
RT: 1.89 min Scan# 128

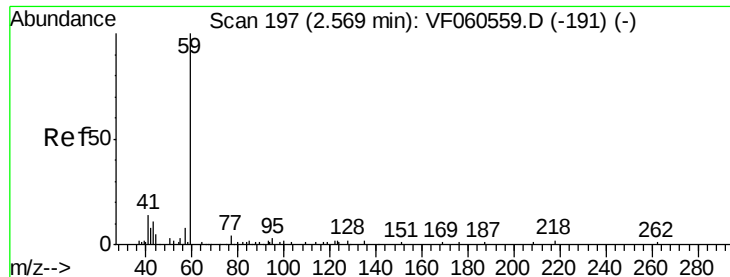
Delta R.T. -0.00 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion:	142	Resp:	178898
Ion Ratio	Lower	Upper	
142	100		
127	65.9	47.8	71.6
141	17.0	12.7	19.1





#11

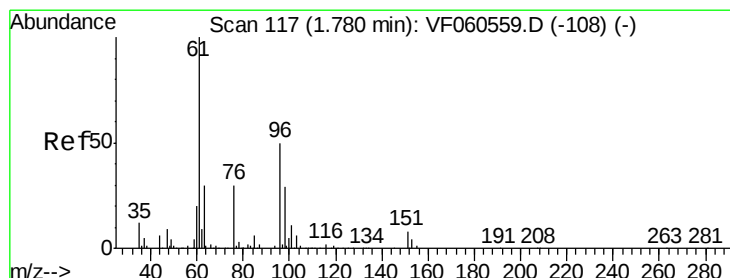
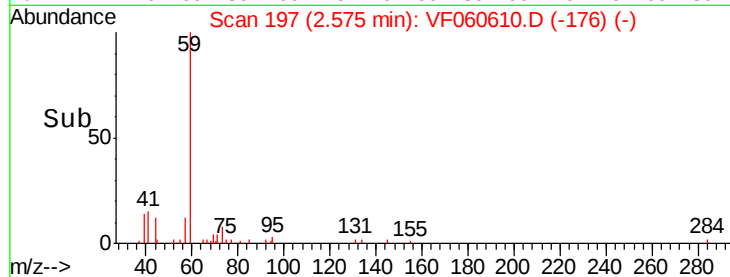
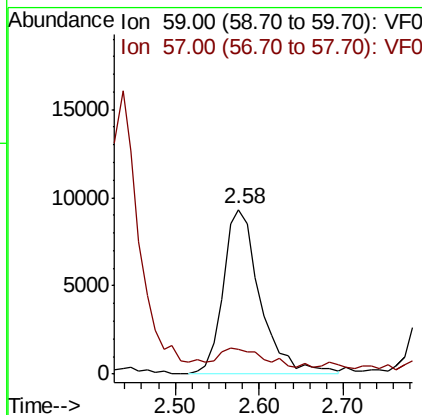
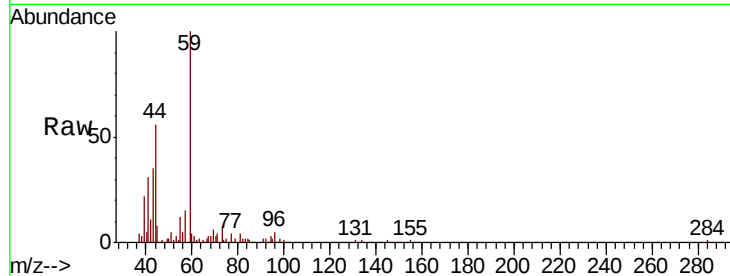
Tert butyl alcohol
Concen: 202.851 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.3	19.0	28.4#

Manual Integrations
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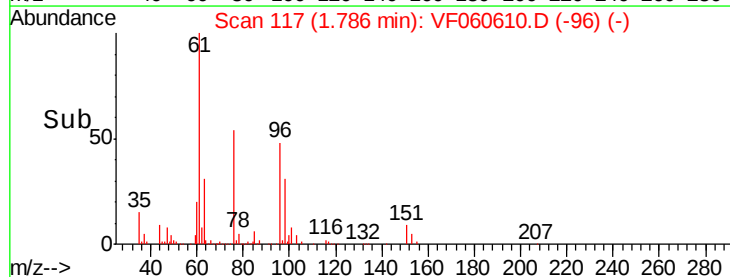
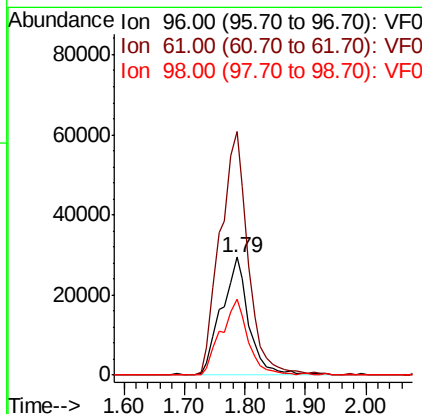
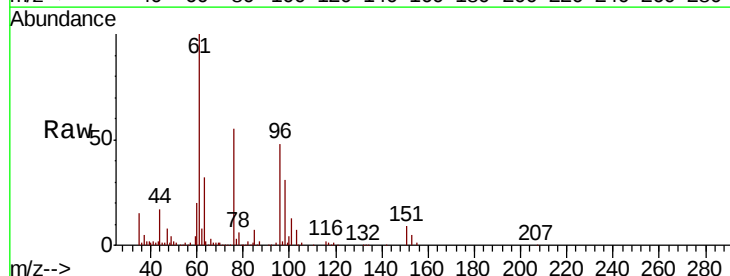
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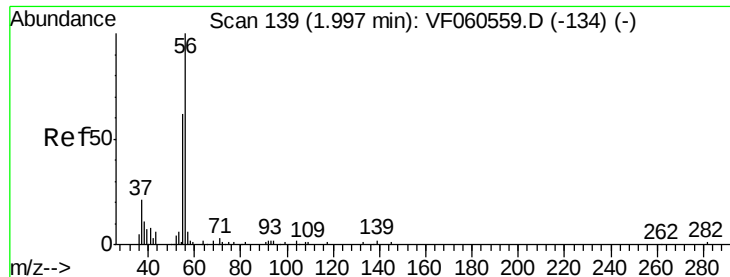


#12

1,1-Dichloroethene
Concen: 48.312 ug/l
RT: 1.79 min Scan# 117
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	207.0	158.1	237.1
98	64.2	47.0	70.6





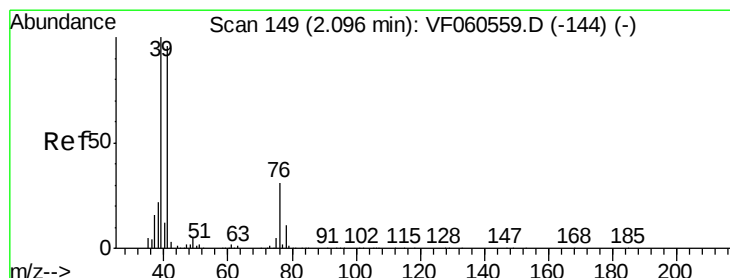
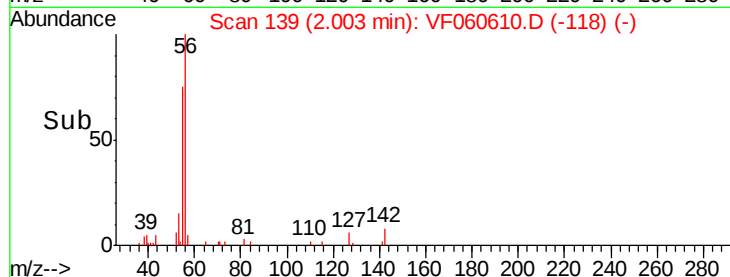
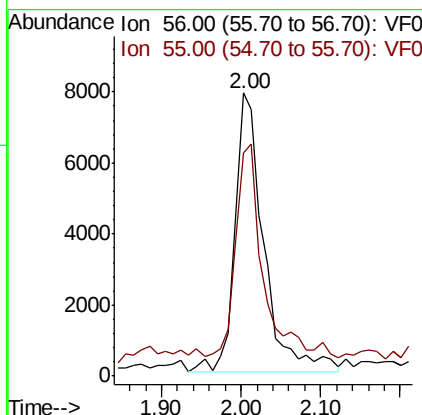
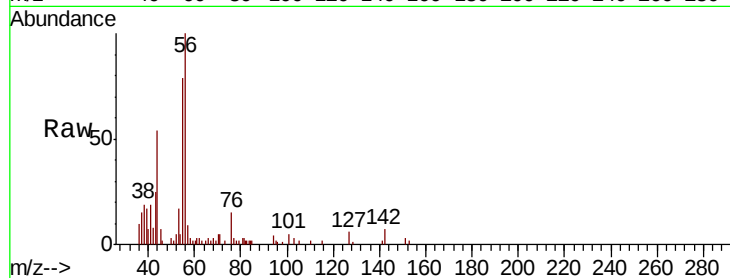
#13
Acrolein
Concen: 220.025 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	19657
Ion Ratio	100	Lower	Upper
55	78.7	61.8	92.6

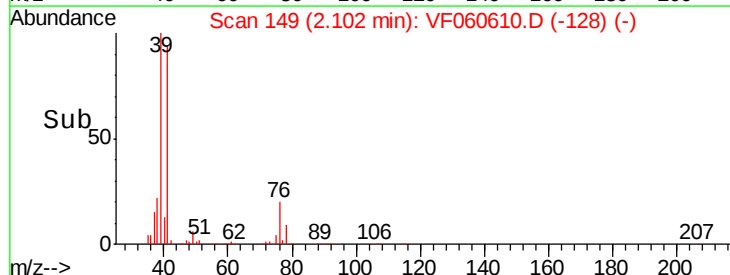
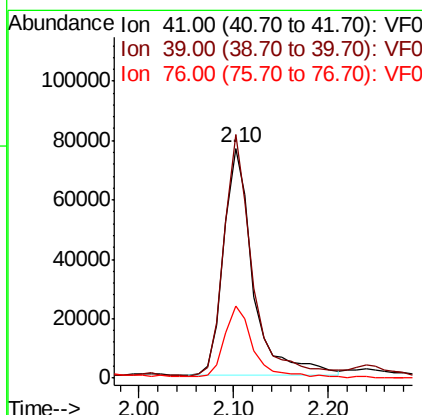
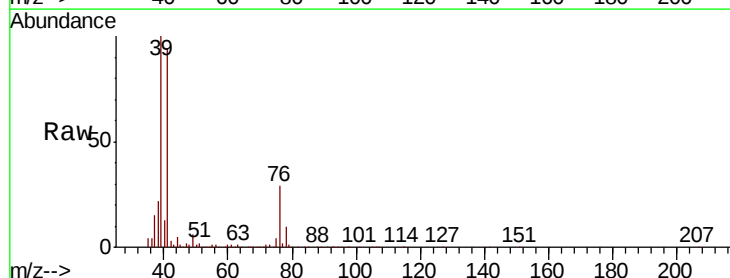
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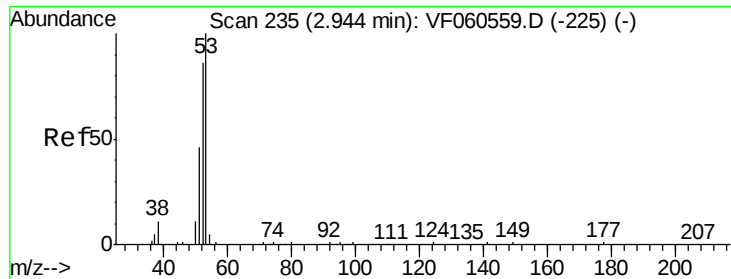
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#14
Allyl chloride
Concen: 52.408 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	41	Resp	164574
Ion Ratio	100	Lower	Upper
39	105.9	82.6	124.0
76	31.2	26.7	40.1





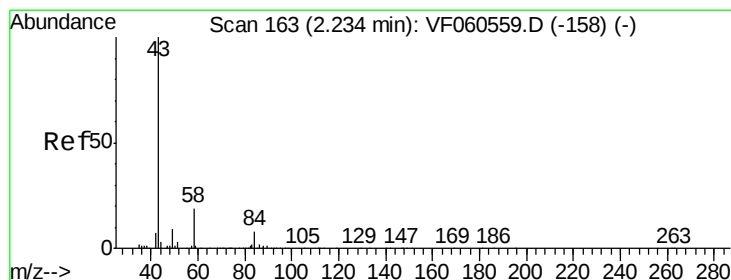
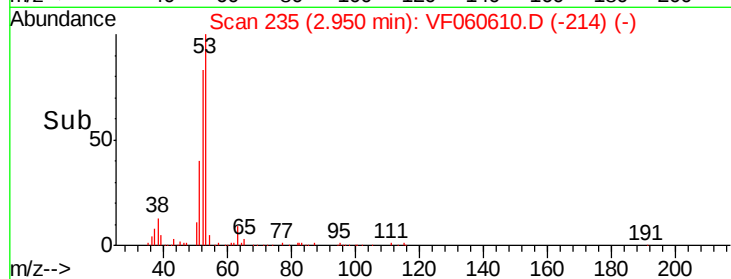
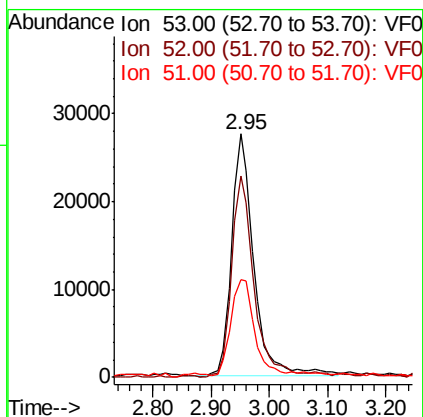
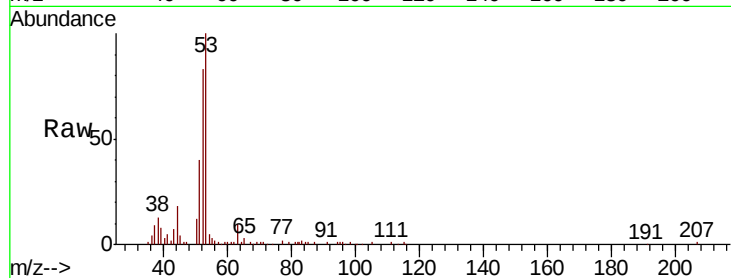
#15
 Acrylonitrile
 Concen: 229.684 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	68.5	102.7
51	40.4	38.2	57.2

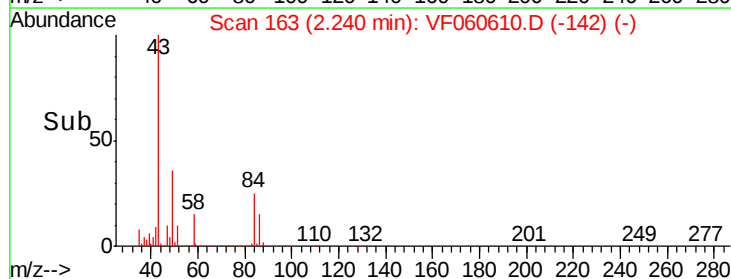
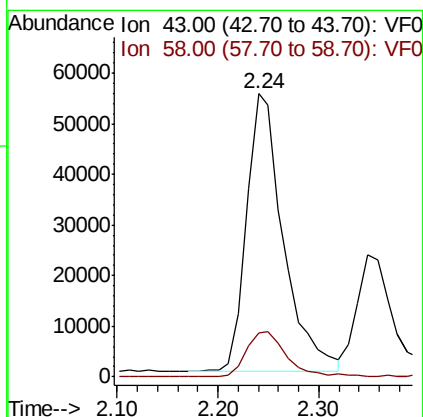
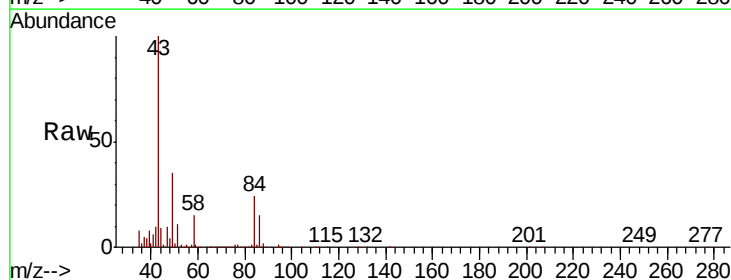
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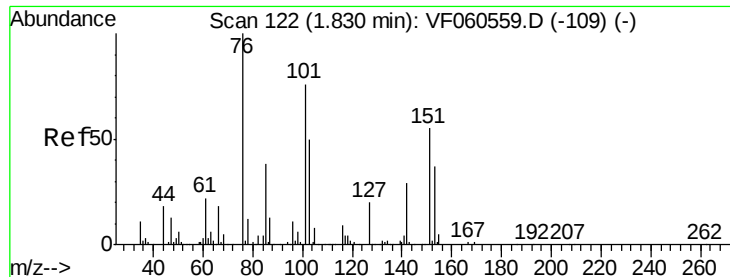
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#16
 Acetone
 Concen: 222.770 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	15.5	14.6	22.0





#17

Carbon Disulfide

Concen: 48.457 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 262505

Ion Ratio Lower Upper

76 100

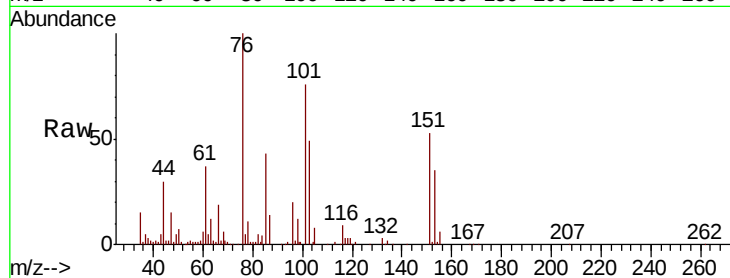
78 11.5 9.9 14.9

Manual Integrations

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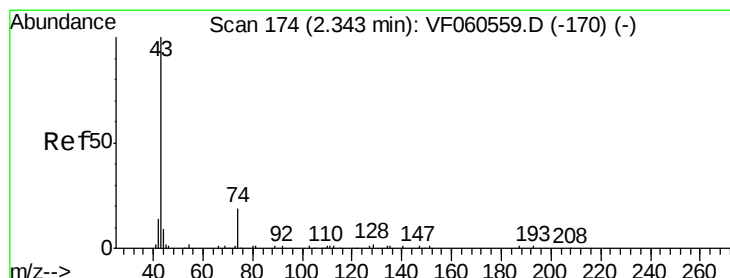
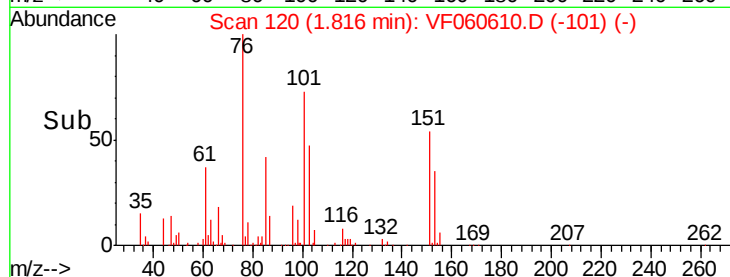
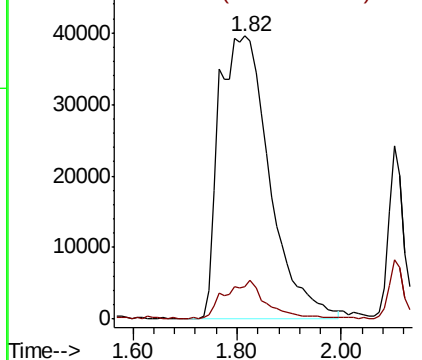
apatel

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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: 52.056 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF060610.D

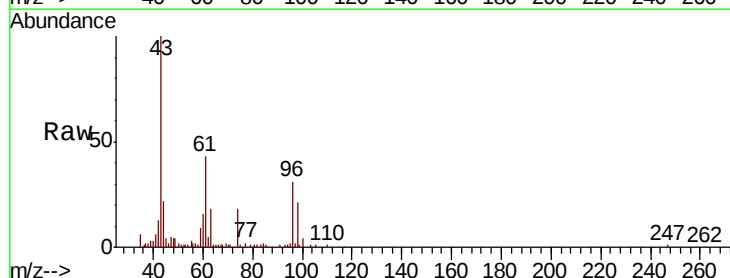
Acq: 6 Nov 2018 12:45

Tgt Ion: 43 Resp: 50983

Ion Ratio Lower Upper

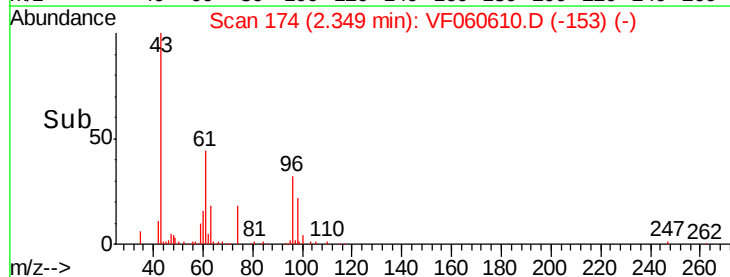
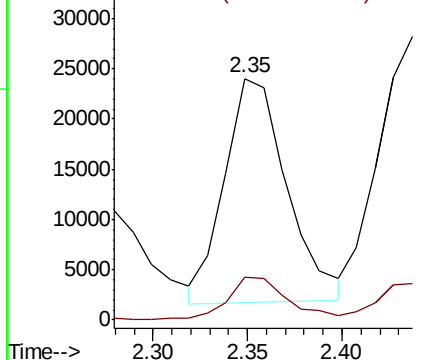
43 100

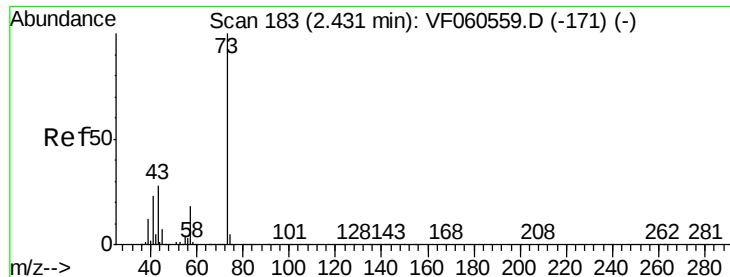
74 17.7 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





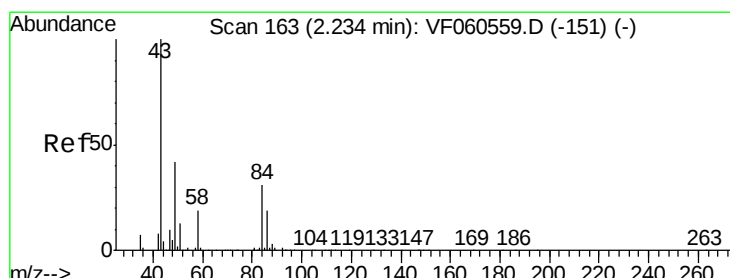
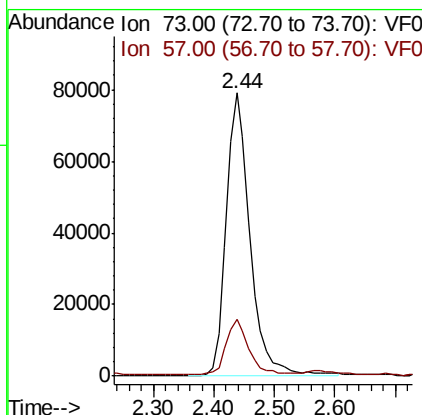
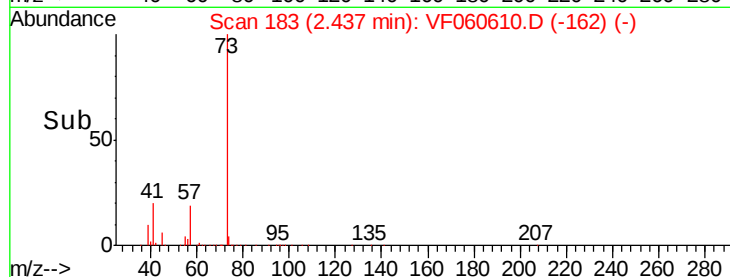
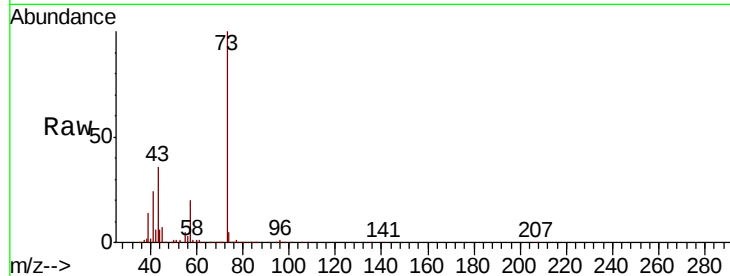
#19
Methvl tert-butvl Ether
Concen: 48.215 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 216761
Ion Ratio Lower Upper
73 100
57 20.3 15.4 23.0

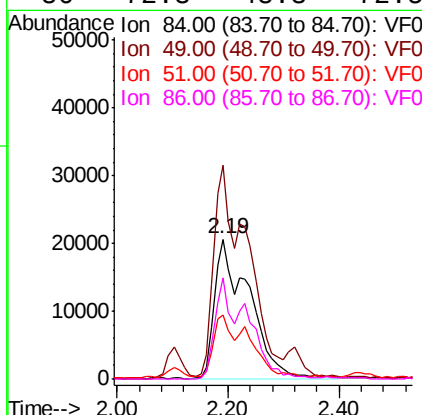
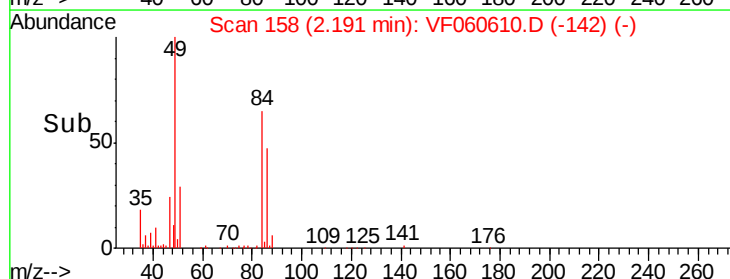
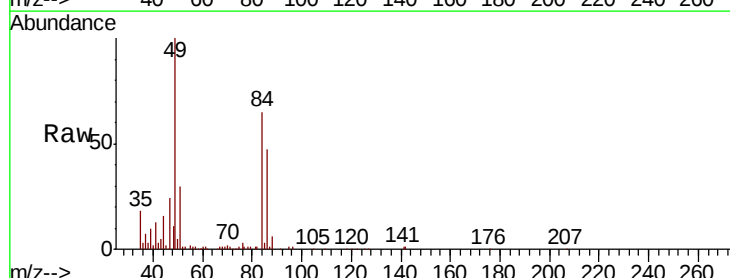
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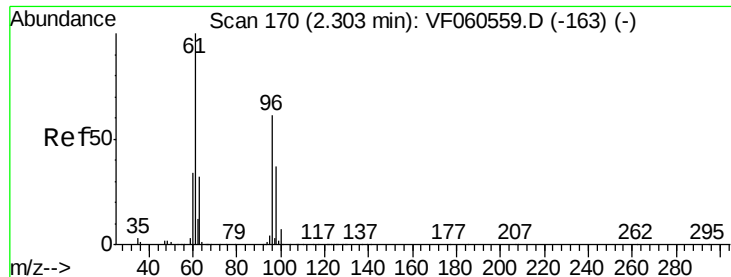
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#20
Methylene Chloride
Concen: 47.836 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 84 Resp: 89835
Ion Ratio Lower Upper
84 100
49 153.1 109.9 164.9
51 45.4 35.8 53.8
86 72.3 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 49.133 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

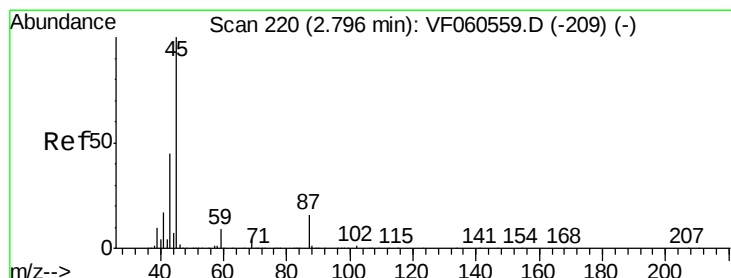
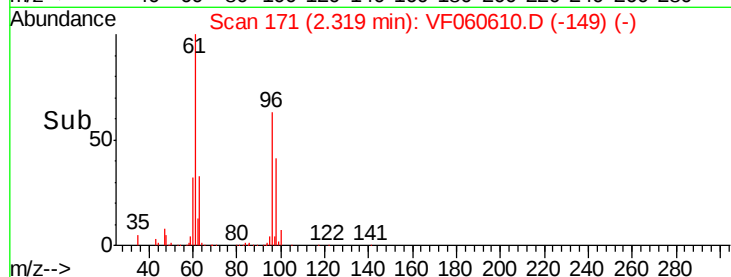
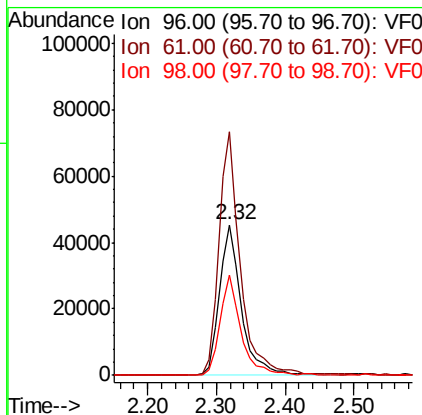
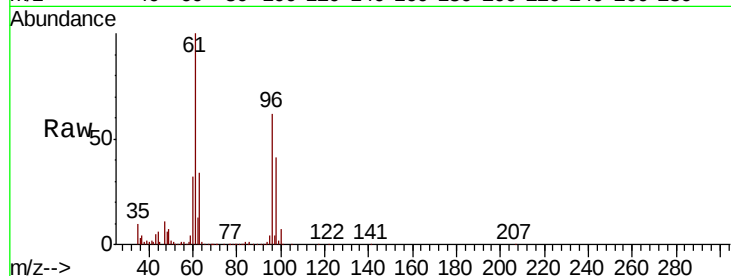
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99132
Ion	Ratio	Lower	Upper
96	100		
61	162.0	131.3	196.9
98	66.5	48.6	73.0

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#22

Diisopropyl ether

Concen: 49.344 ug/l

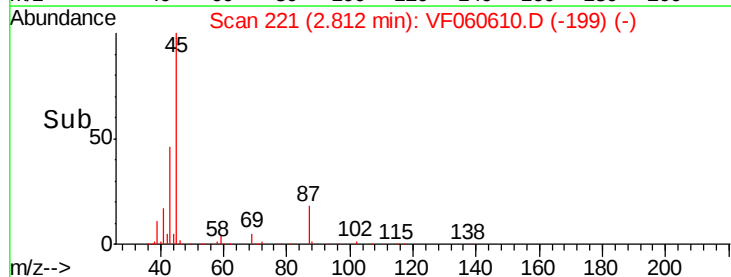
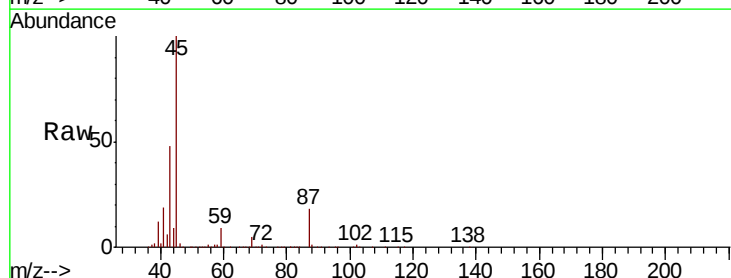
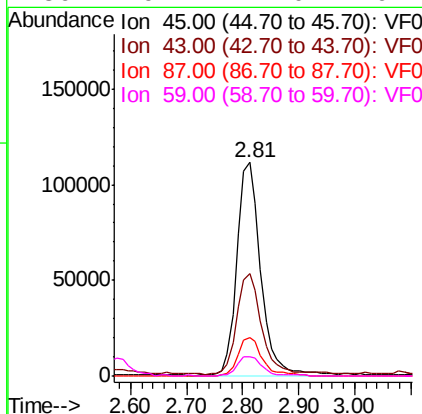
RT: 2.81 min Scan# 221

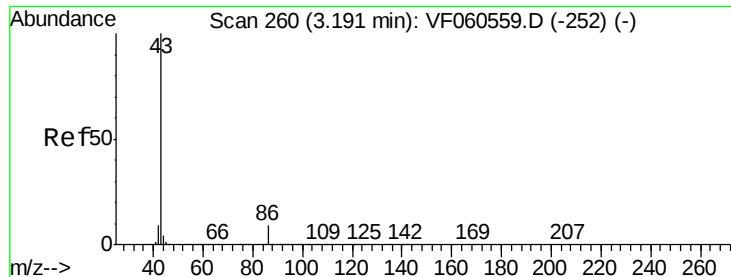
Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion:	45	Resp:	328297
Ion	Ratio	Lower	Upper
45	100		
43	47.8	38.1	57.1
87	18.3	12.7	19.1
59	9.2	7.0	10.4





#23

Vinyl Acetate

Concen: 204.231 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 816412

Ion Ratio Lower Upper

43 100

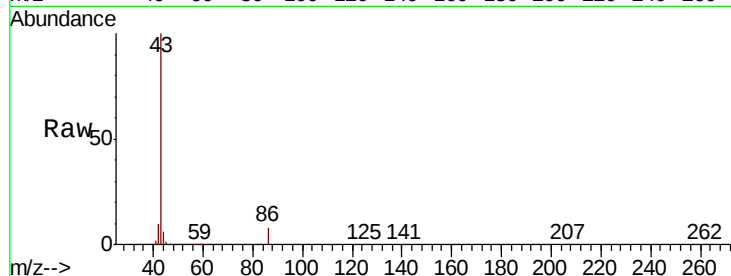
86 7.9 7.1 10.7

Manual Integrations

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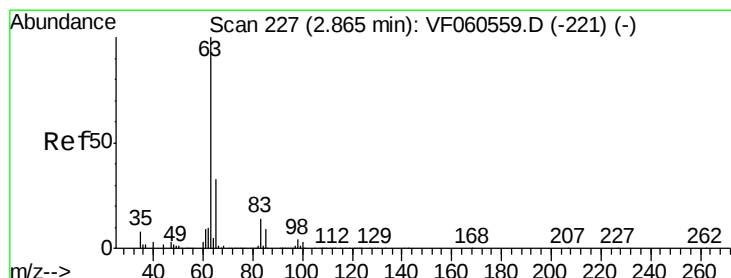
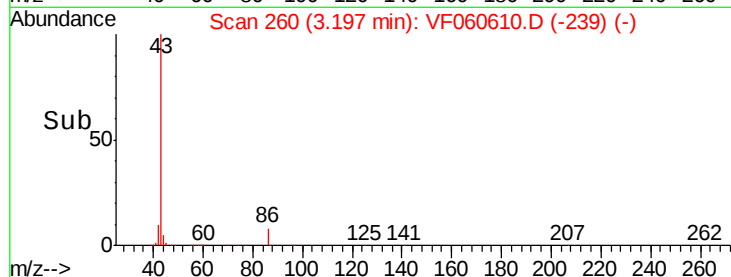
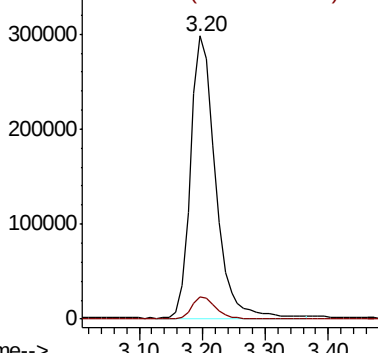
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 49.876 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

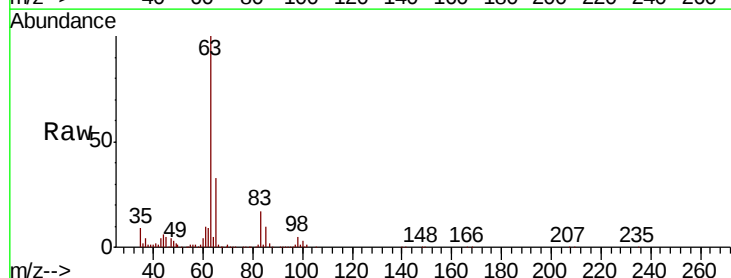
Tgt Ion: 63 Resp: 192049

Ion Ratio Lower Upper

63 100

98 5.3 2.2 6.6

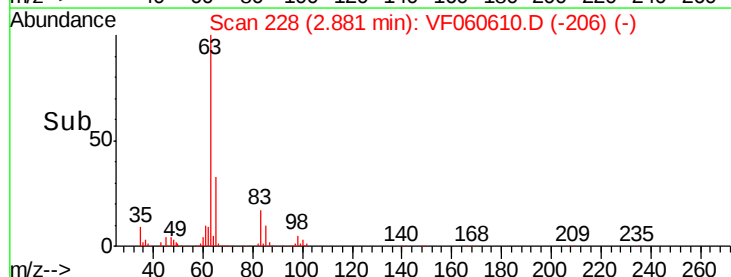
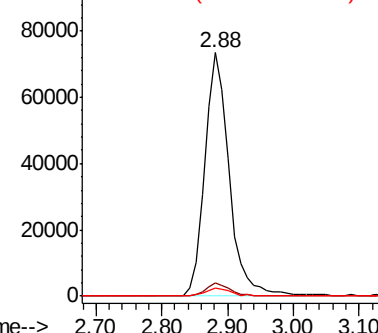
100 3.5 1.4 4.0

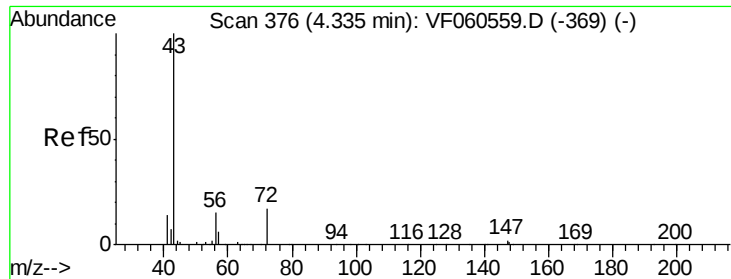


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 223.027 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 268483

Ion Ratio Lower Upper

43 100

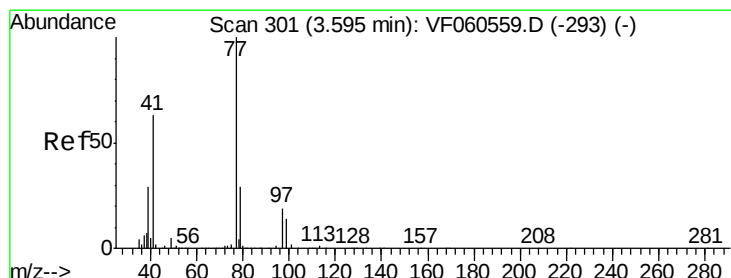
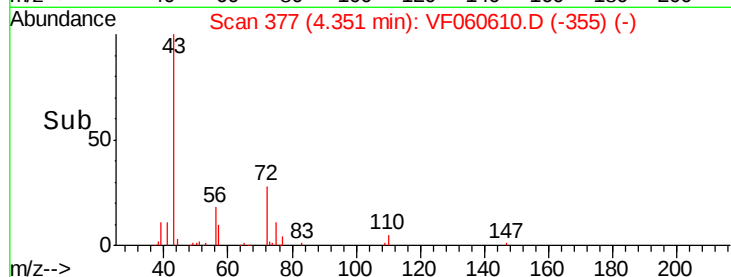
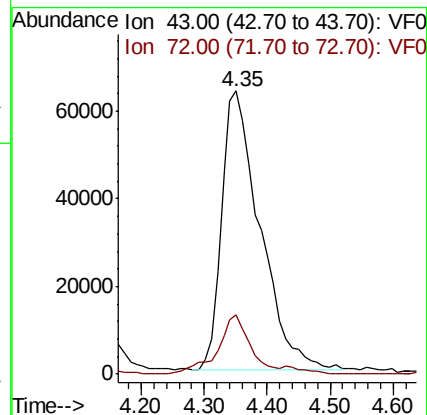
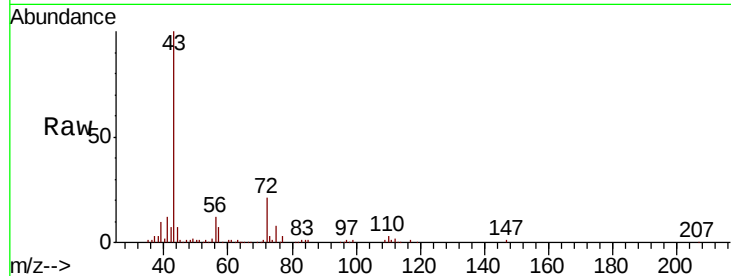
72 21.0 16.2 24.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.821 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.02 min

Lab File: VF060610.D

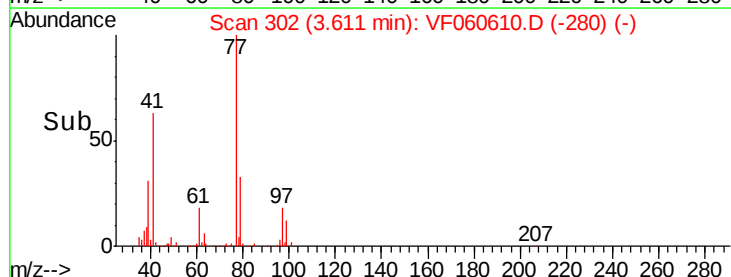
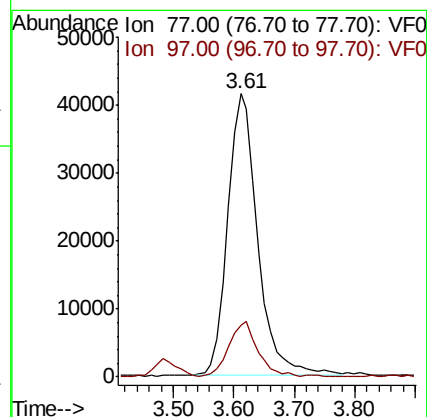
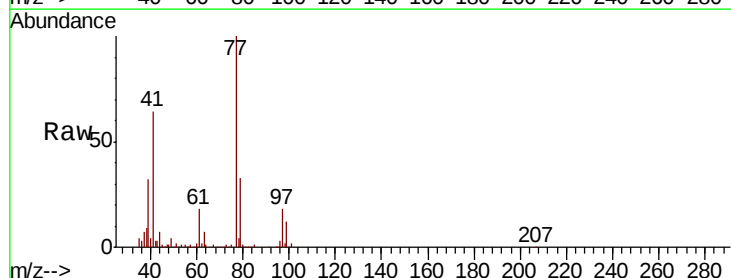
Acq: 6 Nov 2018 12:45

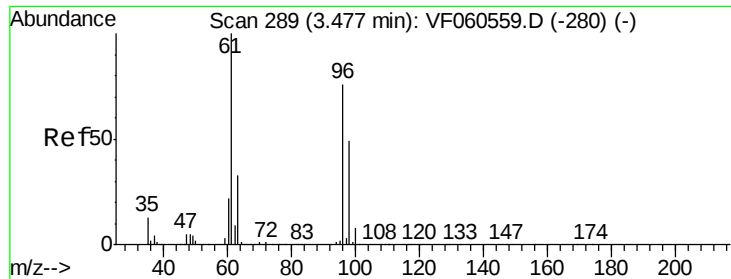
Tgt Ion: 77 Resp: 143542

Ion Ratio Lower Upper

77 100

97 18.1 9.8 29.3





#27

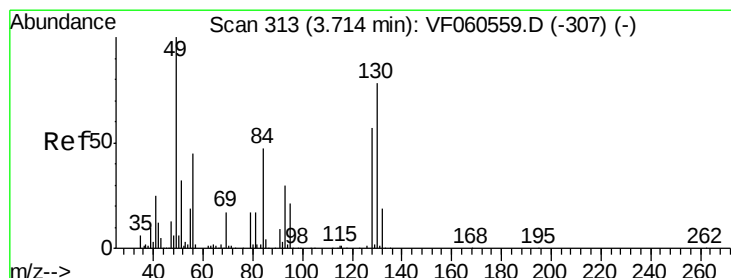
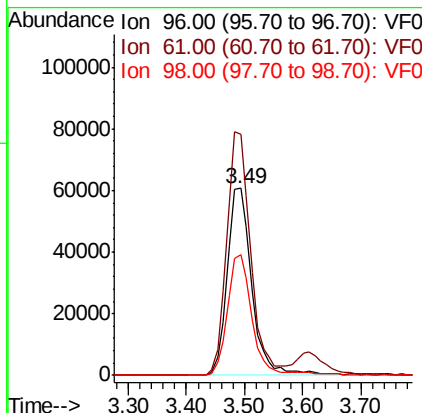
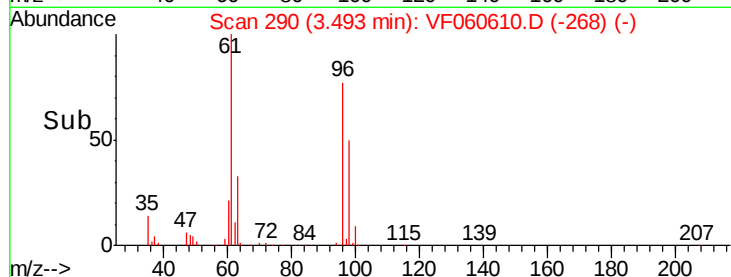
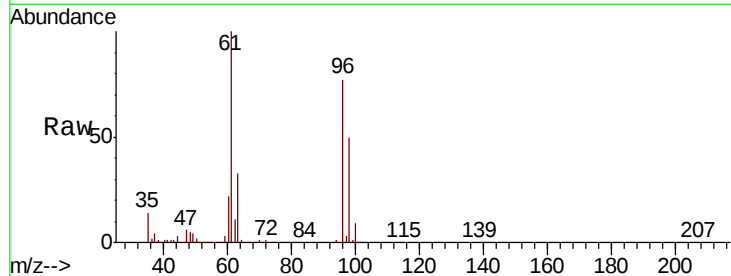
cis-1,2-Dichloroethene
Concen: 46.454 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	178926		
61	129.1	0.0	263.0	
98	64.9	0.0	130.6	

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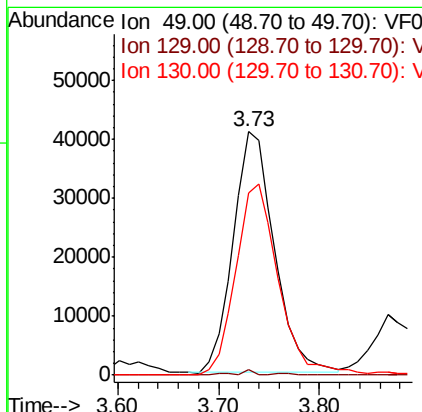
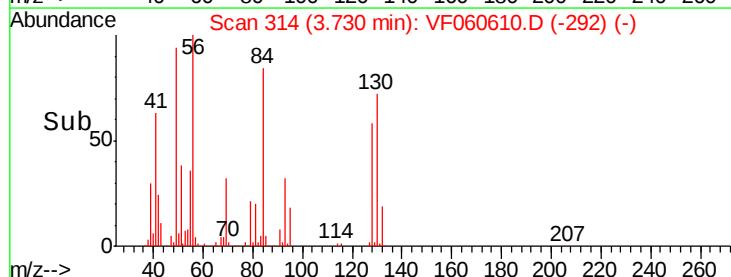
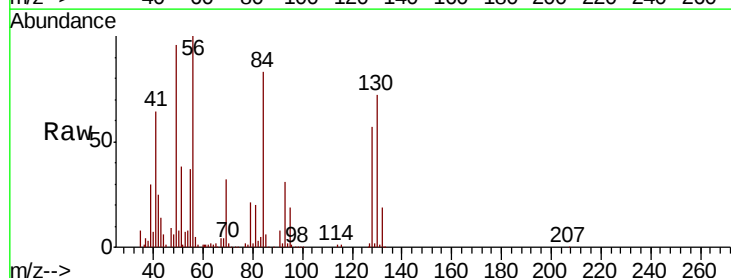
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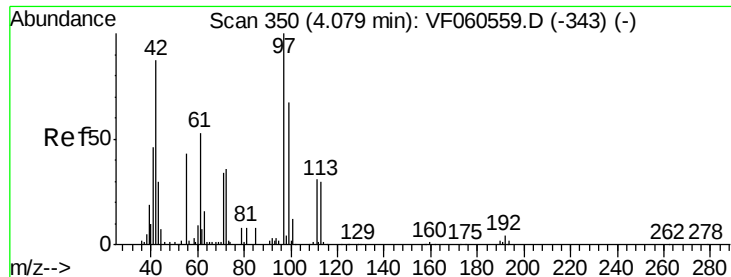


#28

Bromochloromethane
Concen: 48.102 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116236		
129	2.3	0.0	4.6	
130	75.0	61.8	92.8	





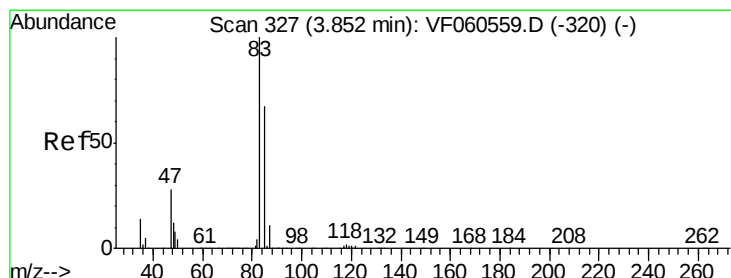
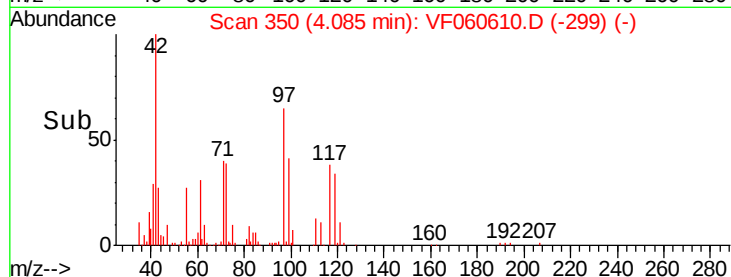
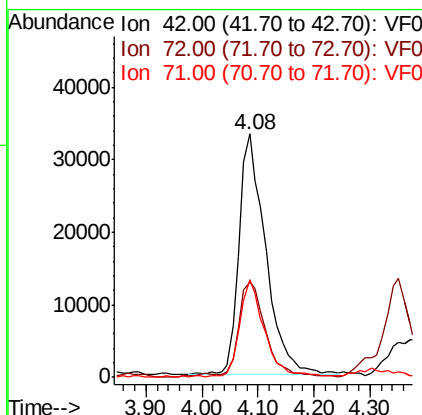
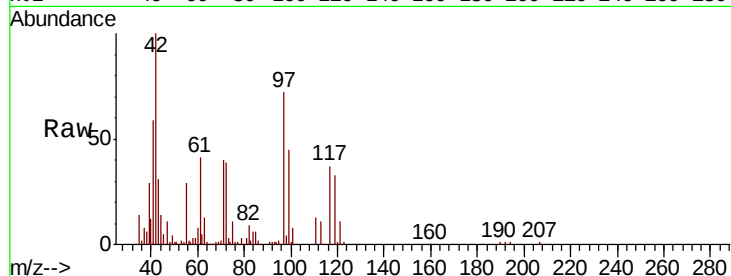
#29
Tetrahydrofuran
Concen: 233.802 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	109365
Ion Ratio		Lower	Upper
42	100		
72	38.3	31.4	47.0
71	37.7	31.8	47.6

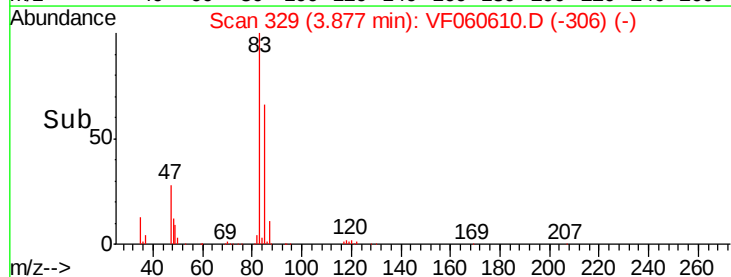
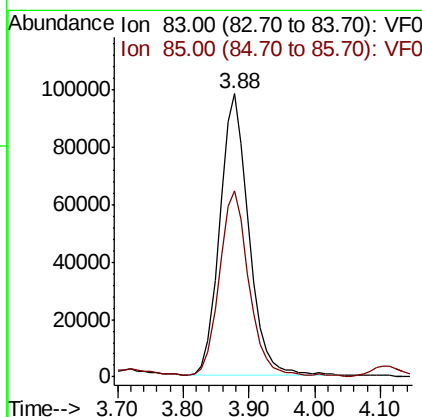
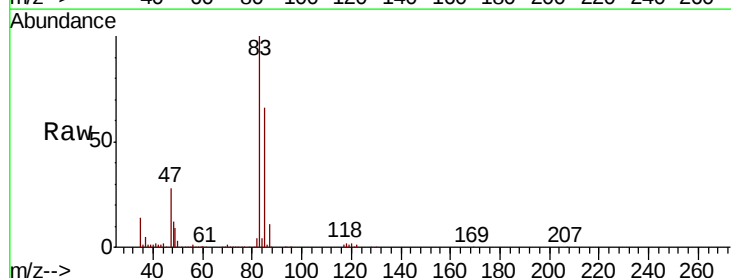
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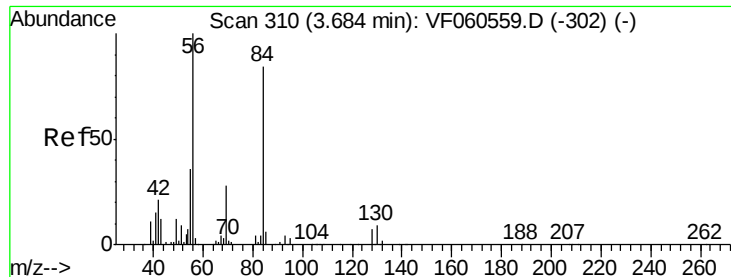
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#30
Chloroform
Concen: 49.518 ug/l
RT: 3.88 min Scan# 329
Delta R.T. 0.03 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion:	83	Resp:	301658
Ion Ratio		Lower	Upper
83	100		
85	65.6	53.7	80.5





#31

Cyclohexane

Concen: 46.848 ug/l

RT: 3.71 min Scan# 312

Delta R.T. 0.03 min

Lab File: VF060610.D

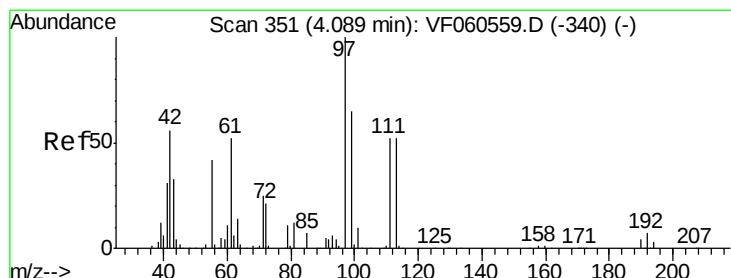
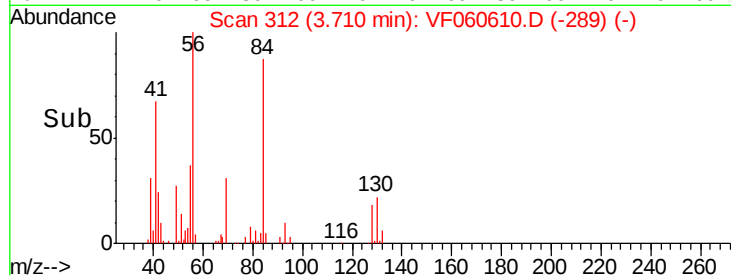
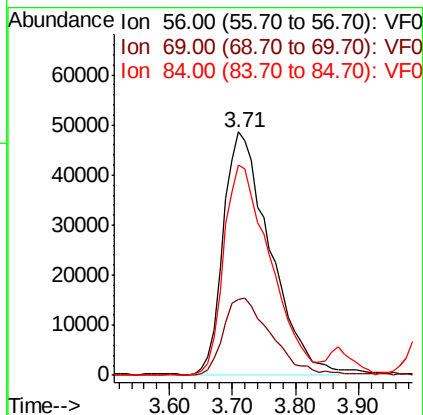
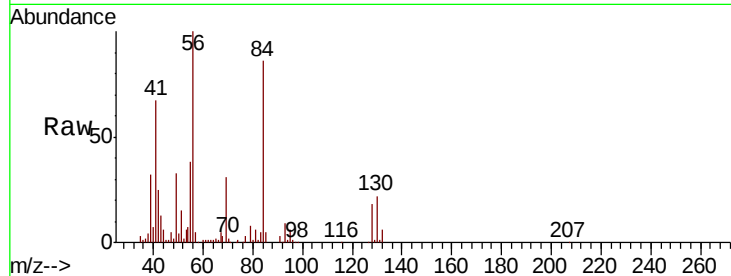
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	248931
Ion Ratio	Lower	Upper	
56	100		
69	31.1	23.0	34.4
84	86.3	67.1	100.7

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#32

1,1,1-Trichloroethane

Concen: 55.108 ug/l

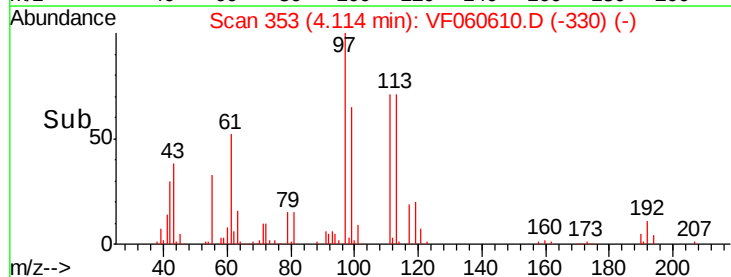
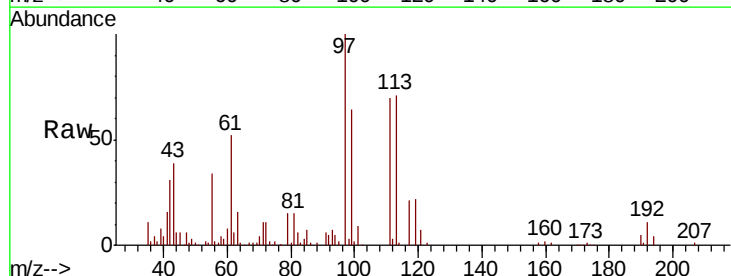
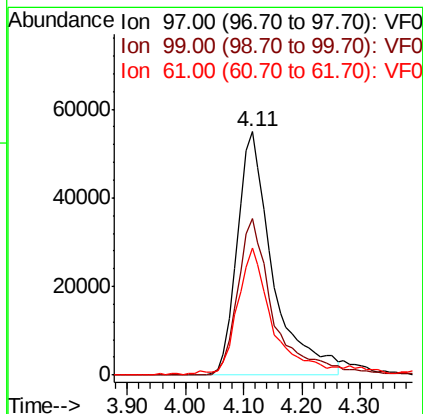
RT: 4.11 min Scan# 353

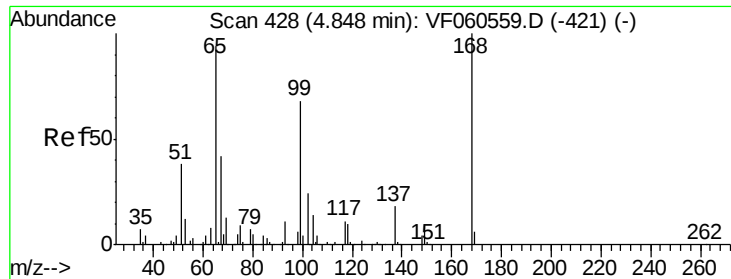
Delta R.T. 0.03 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion:	97	Resp:	234470
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.4	78.6
61	52.1	41.5	62.3





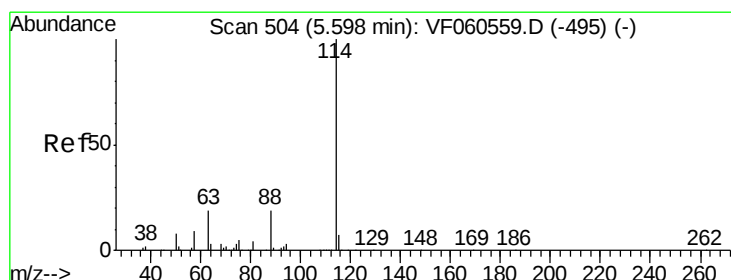
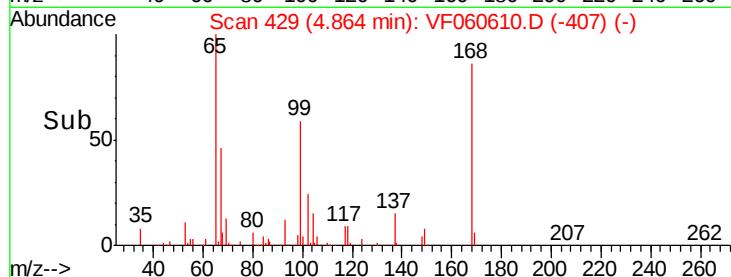
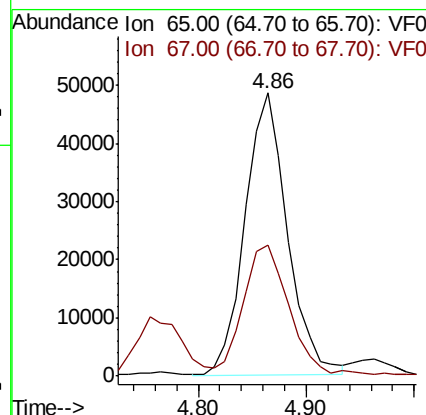
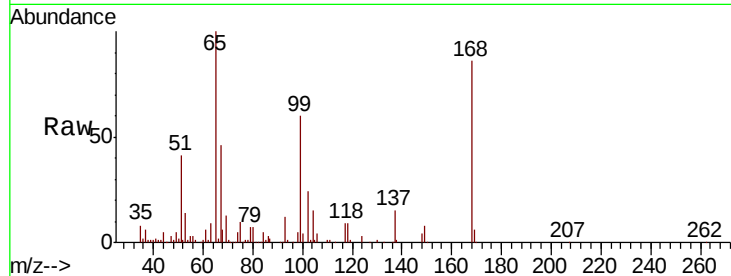
#33
 1,2-Dichloroethane-d4
 Concen: 49.683 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.02 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132890		
67	46.4	0.0	101.8	

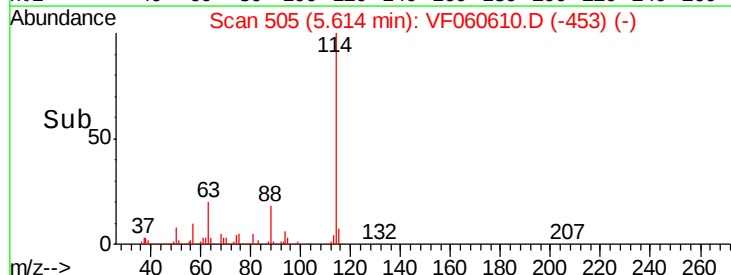
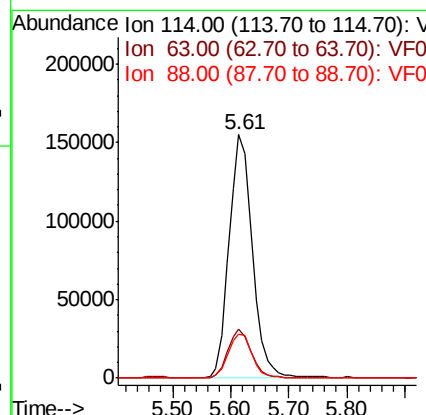
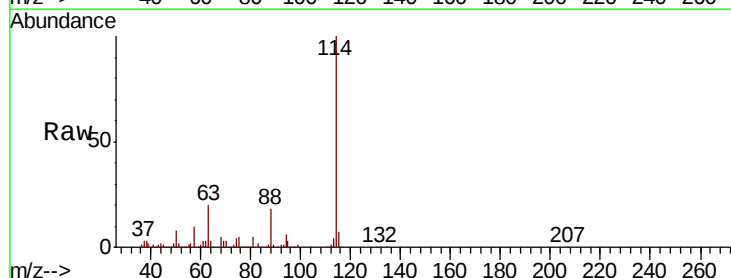
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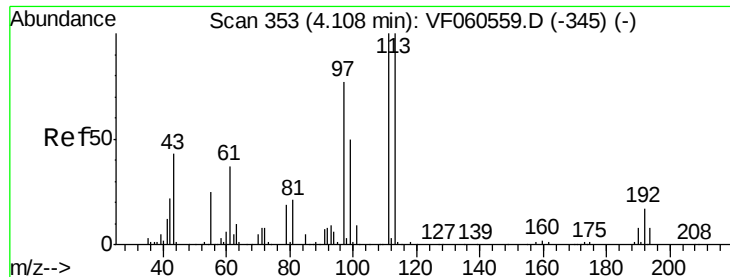
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	434362		
63	20.0	0.0	39.0	
88	18.2	0.0	38.2	





#35

Dibromofluoromethane

Concen: 49.757 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.03 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

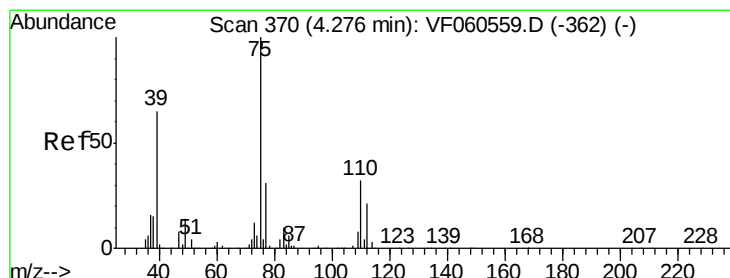
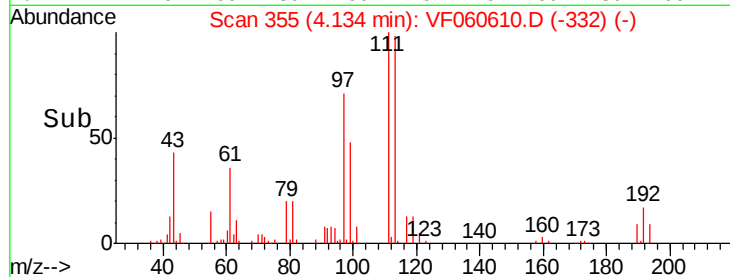
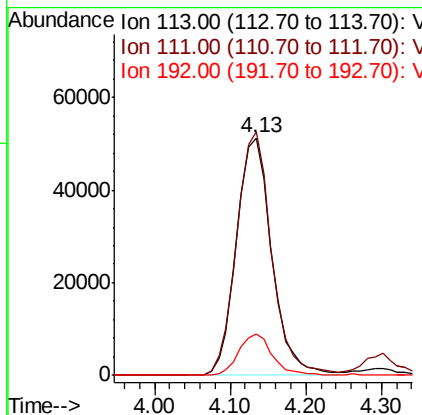
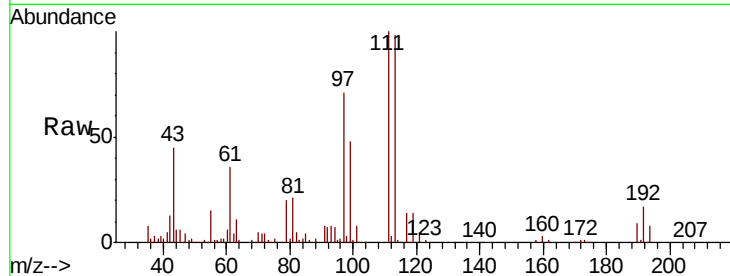
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	166978
Ion Ratio	Lower	Upper	
113	100		
111	102.4	79.9	119.9
192	17.3	13.3	19.9

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#36

1,1-Dichloropropene

Concen: 47.214 ug/l

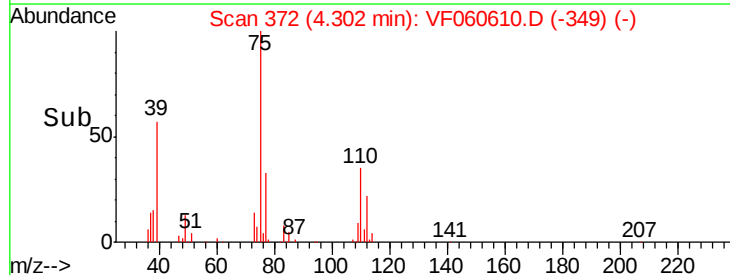
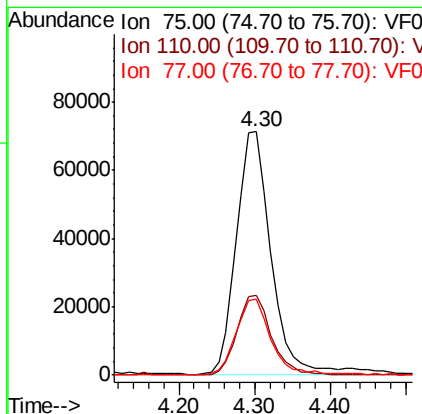
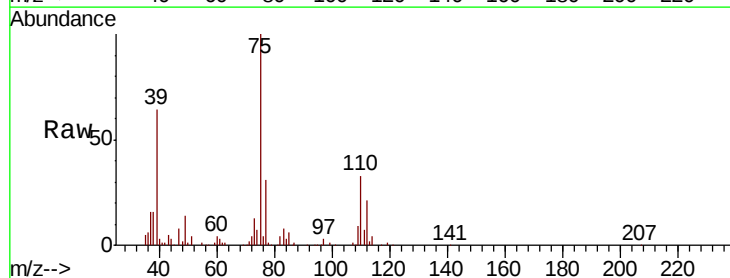
RT: 4.30 min Scan# 372

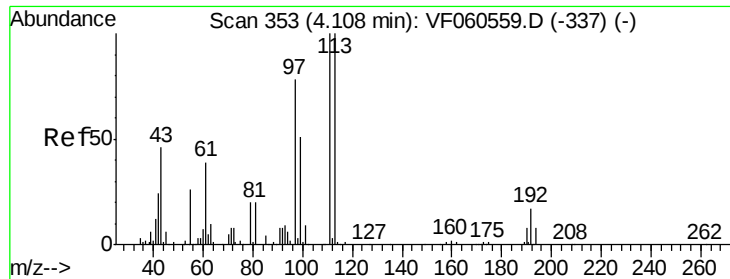
Delta R.T. 0.03 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion:	75	Resp:	225808
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.2	48.6
77	31.3	25.0	37.6





#37

Ethyl Acetate

Concen: 42.678 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

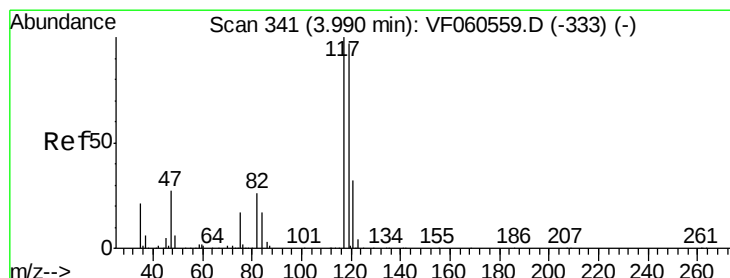
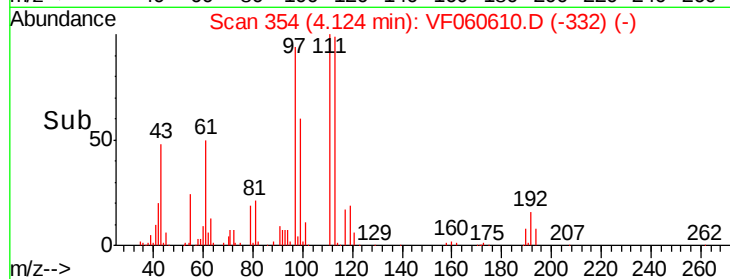
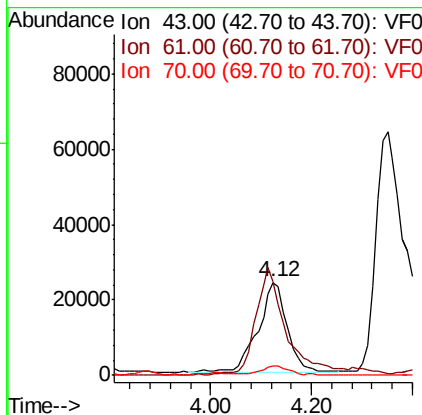
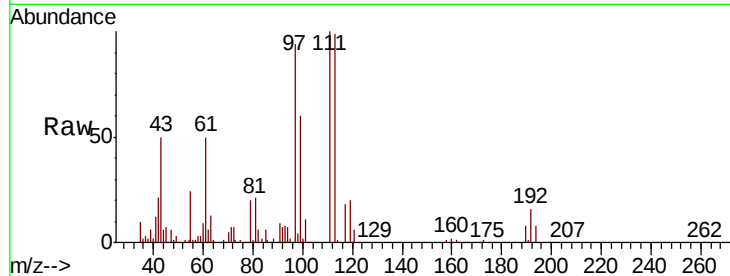
ClientSampleId :

VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	101.3				63.4	95.2#
70	9.9				9.3	13.9

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#38

Carbon Tetrachloride

Concen: 53.847 ug/l m

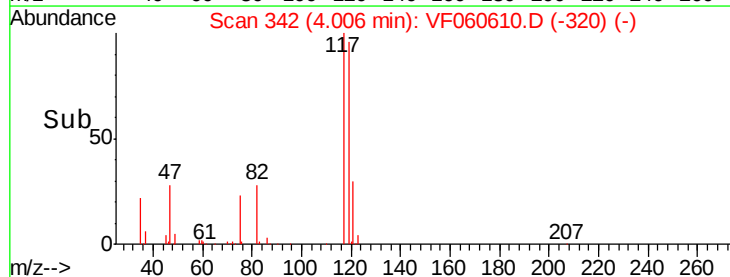
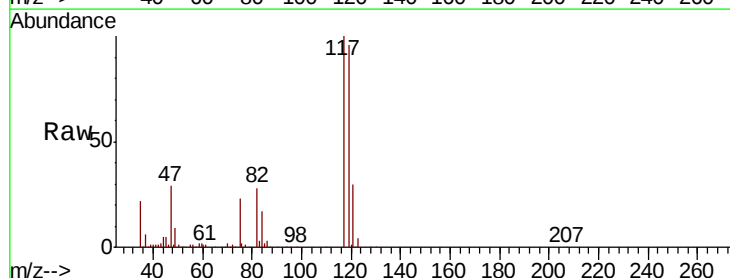
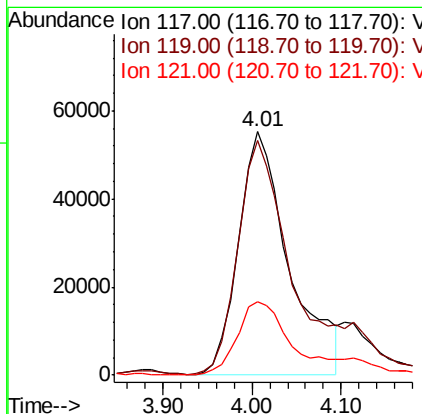
RT: 4.01 min Scan# 342

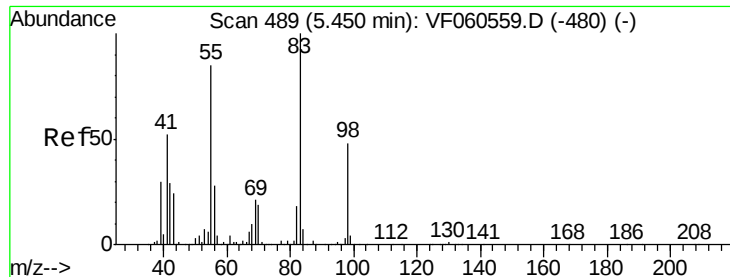
Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	96.5				77.8	116.6
121	30.4				25.6	38.4





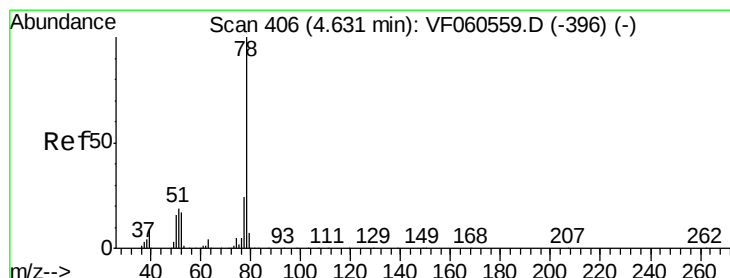
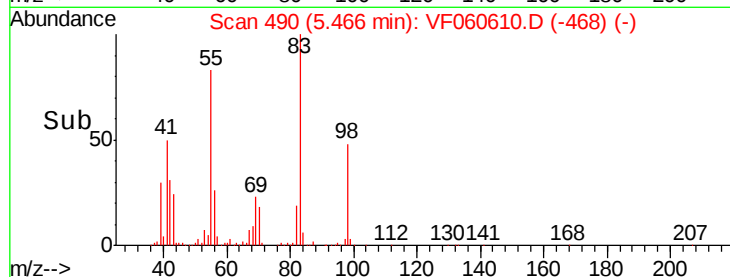
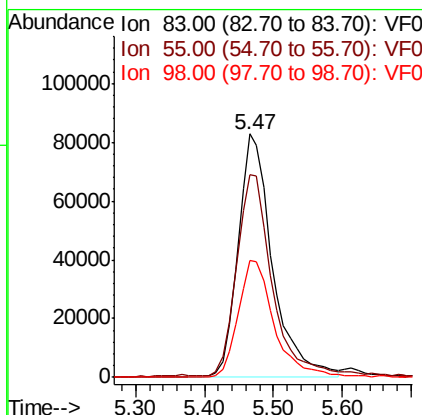
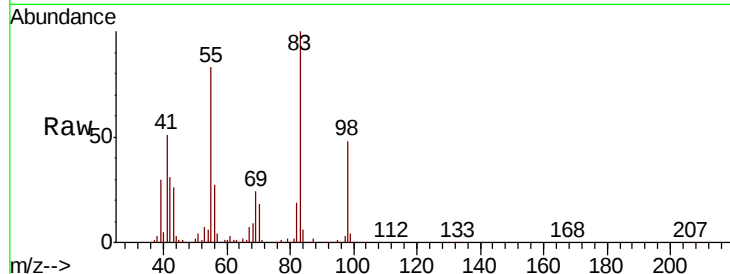
#39
Methvlcvclohexane
Concen: 49.326 ug/l
RT: 5.47 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.2	69.1	103.7
98	47.8	38.6	57.8

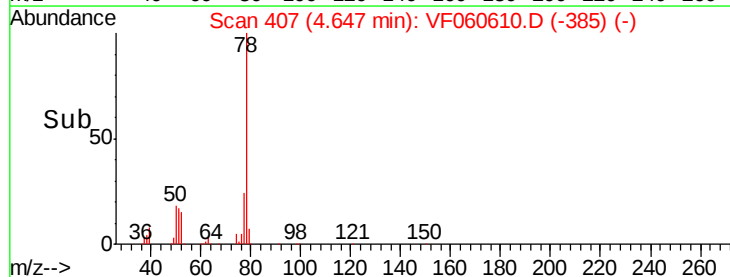
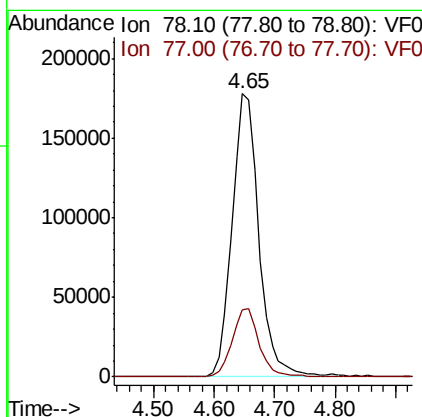
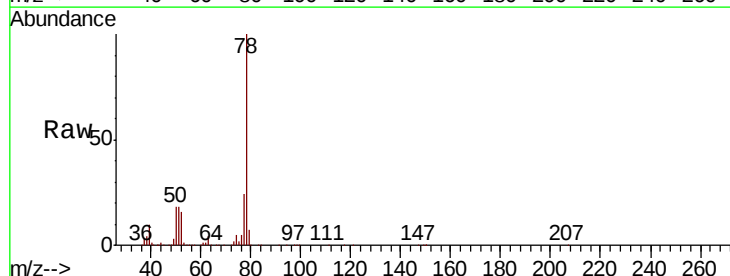
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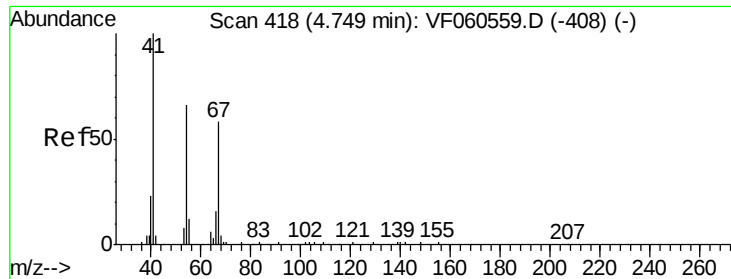
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#40
Benzene
Concen: 47.295 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





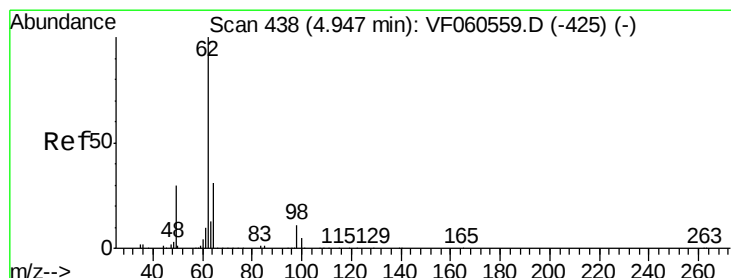
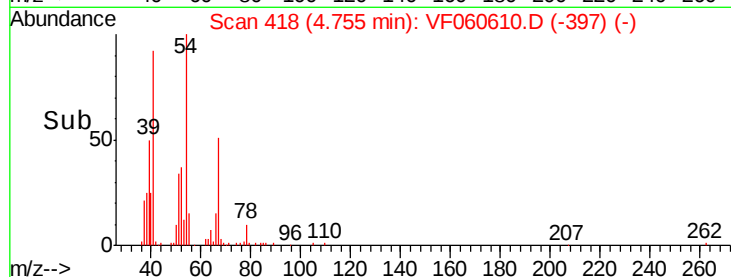
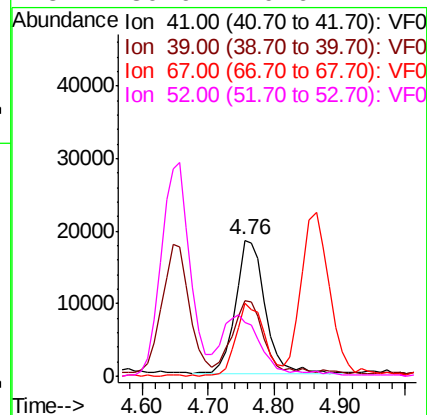
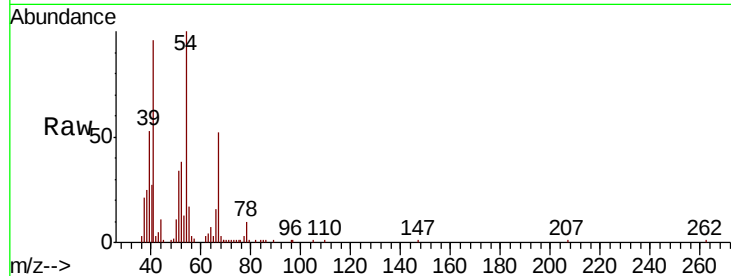
#41
Methacrylonitrile
Concen: 44.517 ug/l
RT: 4.76 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.6	68.4
67	54.0	45.3	67.9
52	39.9	29.6	44.4

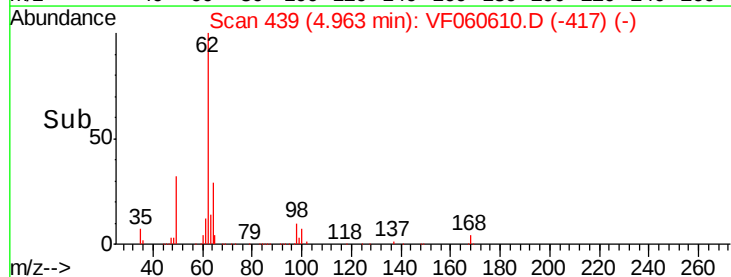
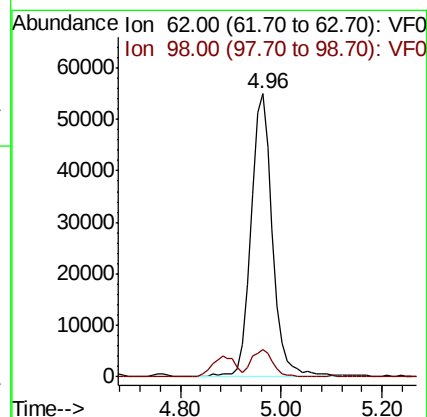
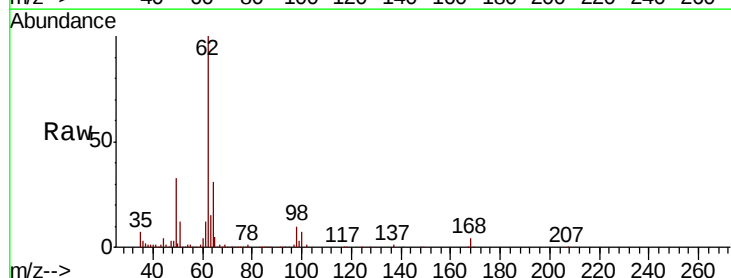
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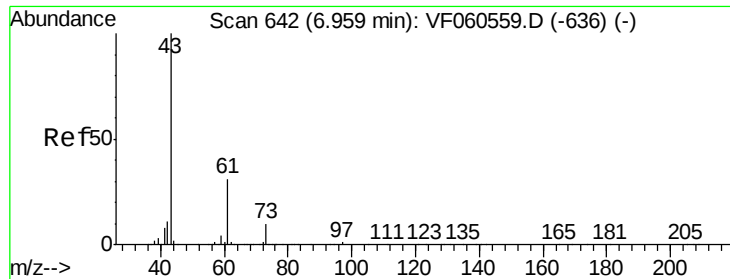
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#42
1,2-Dichloroethane
Concen: 48.996 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	22.4





#43

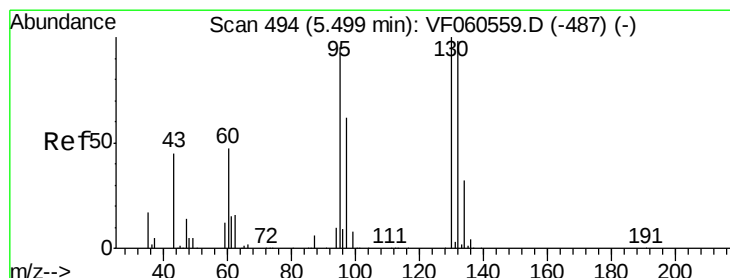
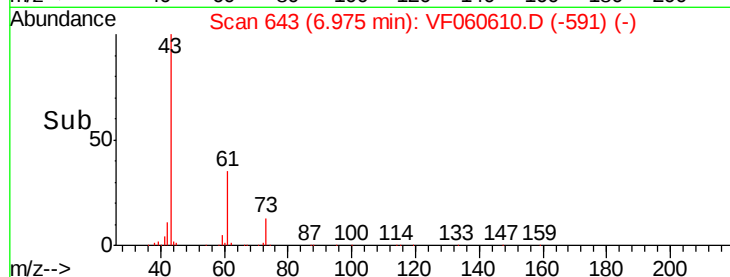
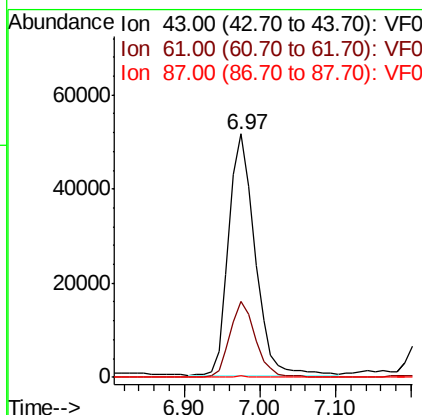
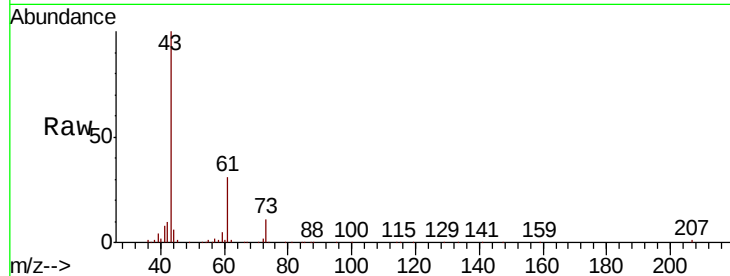
Isopropyl Acetate
 Concen: 42.349 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.02 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.2	36.2
87	0.5	0.2	0.4

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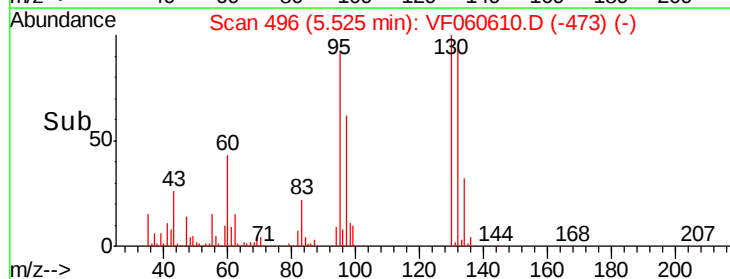
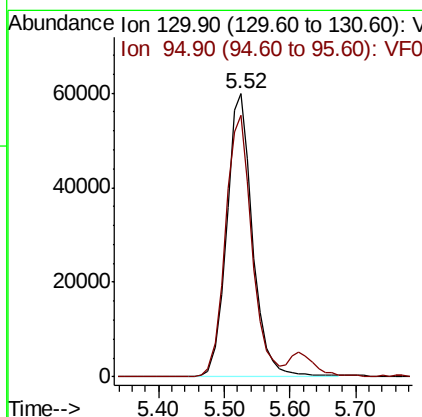
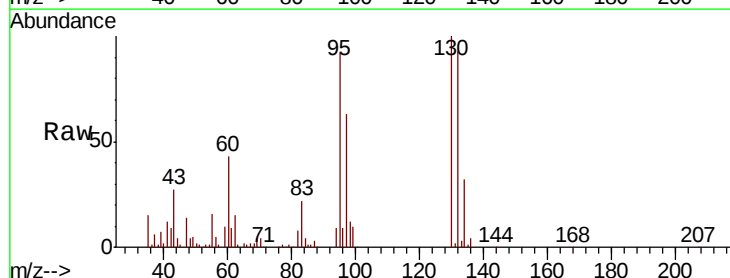
apatel
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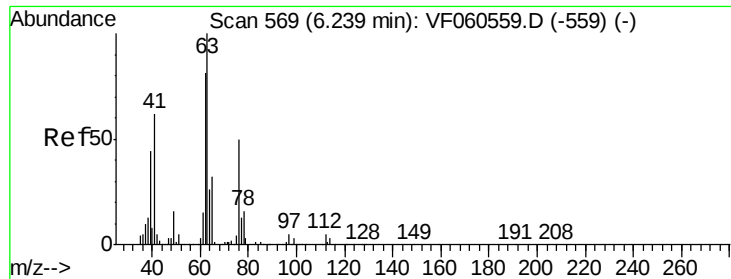


#44

Trichloroethene
 Concen: 47.216 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.03 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	191.0





#45

1,2-Dichloropropane

Concen: 50.646 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150373

Ion Ratio Lower Upper

63 100

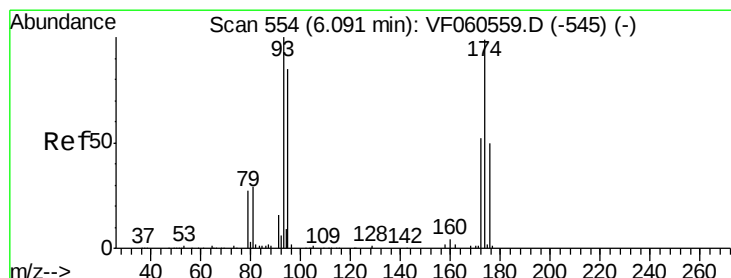
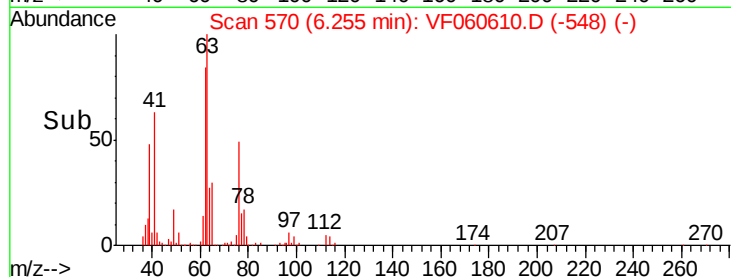
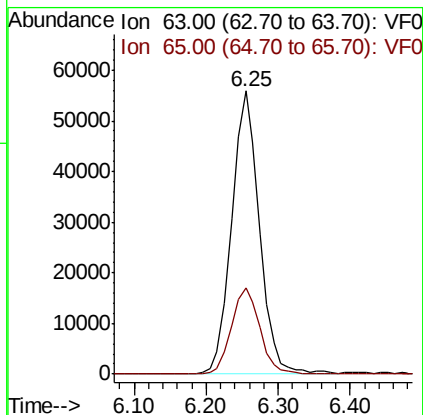
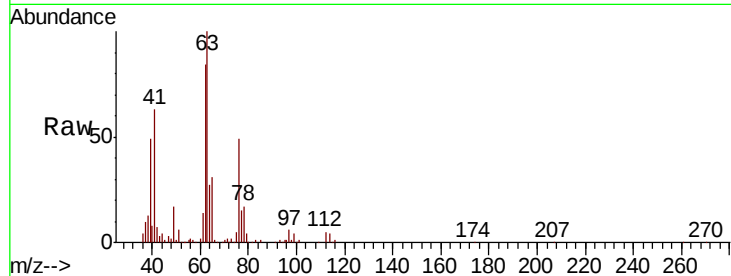
65 30.6 25.4 38.0

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#46

Dibromomethane

Concen: 49.990 ug/l

RT: 6.11 min Scan# 555

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

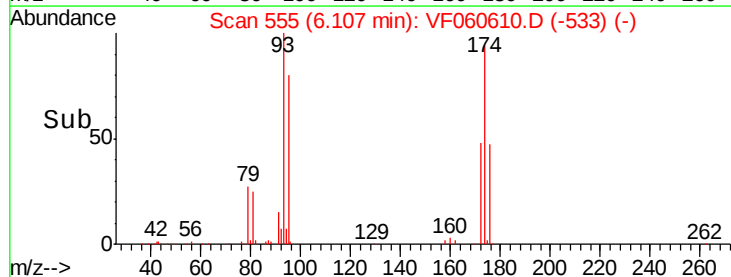
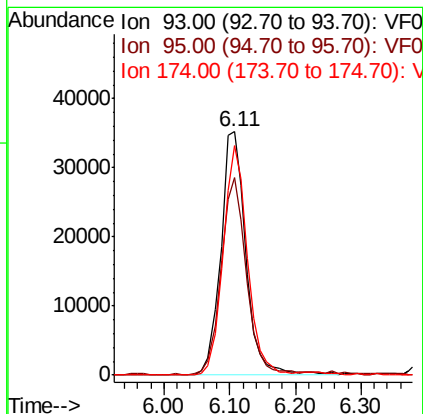
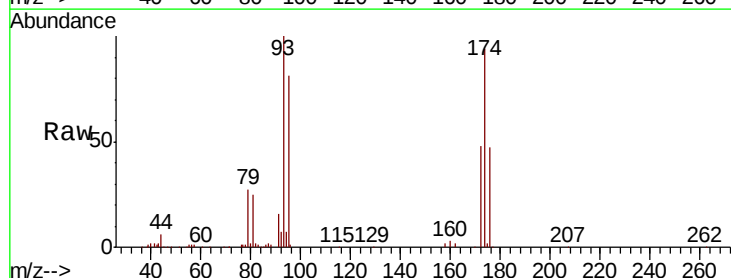
Tgt Ion: 93 Resp: 94162

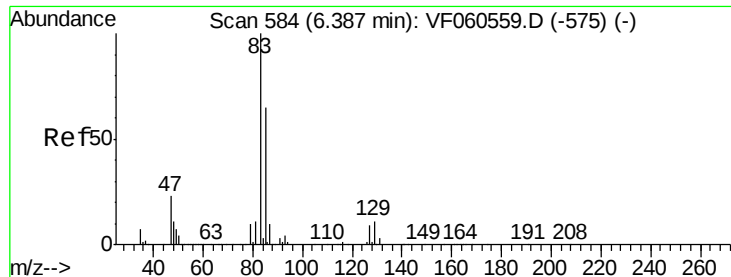
Ion Ratio Lower Upper

93 100

95 81.1 68.6 102.8

174 96.2 79.0 118.4





#47

Bromodichloromethane

Concen: 48.918 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

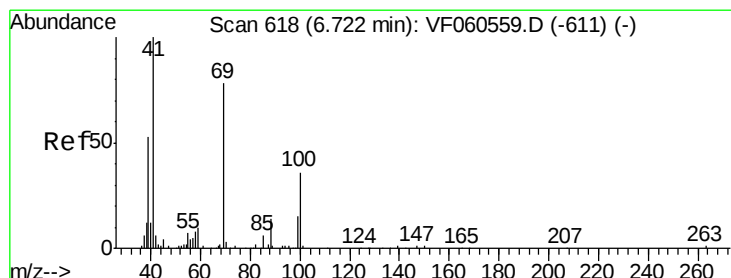
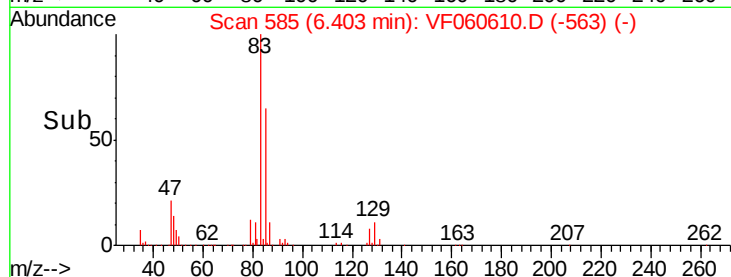
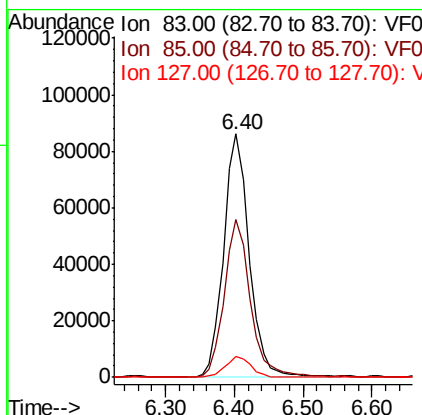
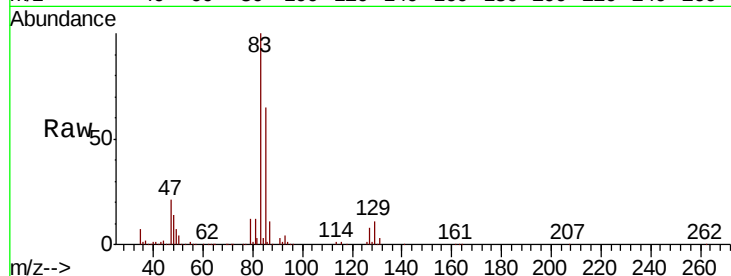
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	222247
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.8	77.6
127	8.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 42.435 ug/l

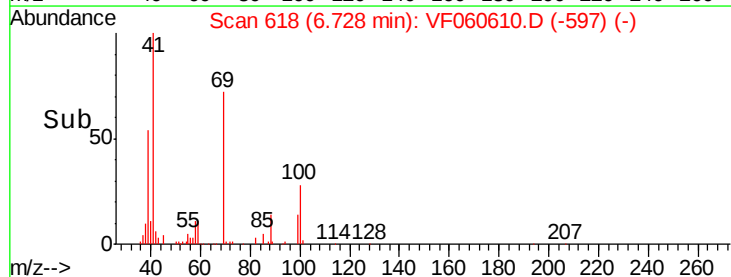
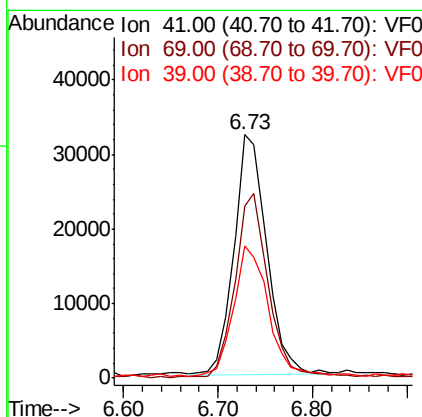
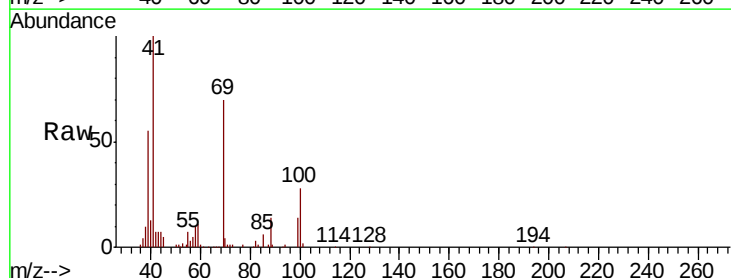
RT: 6.73 min Scan# 618

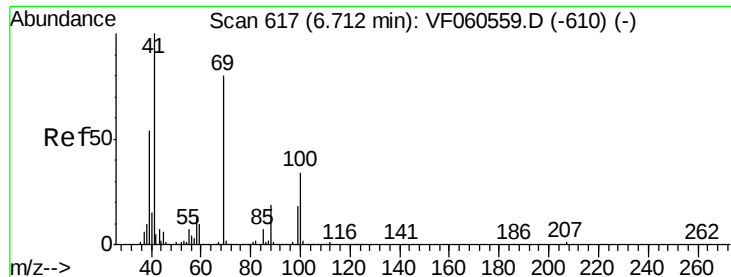
Delta R.T. 0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion:	41	Resp:	77451
Ion Ratio	Lower	Upper	
41	100		
69	70.5	61.1	91.7
39	54.6	43.0	64.6





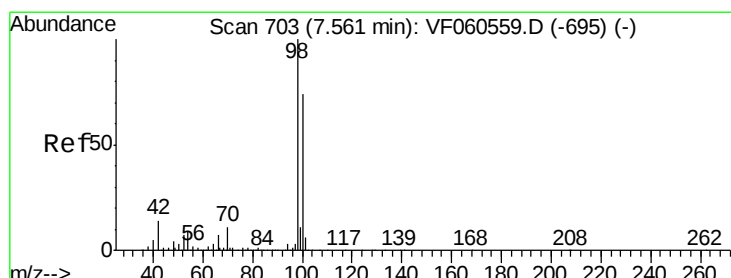
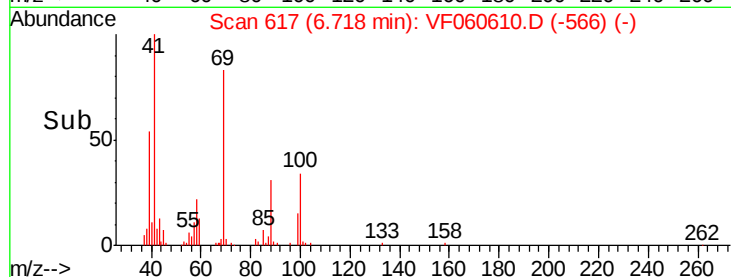
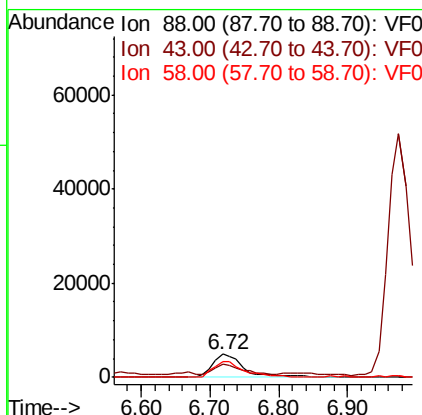
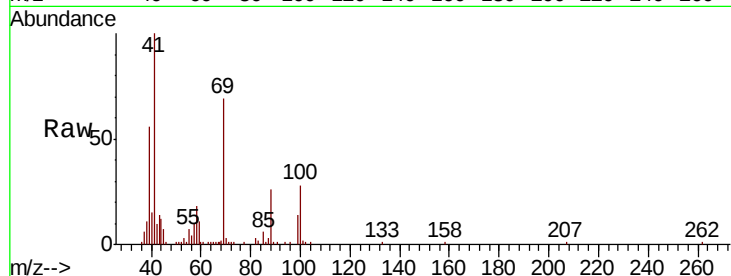
#49
1,4-Dioxane
Concen: 815.175 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.1	61.2	91.8#
58	70.9	56.9	85.3

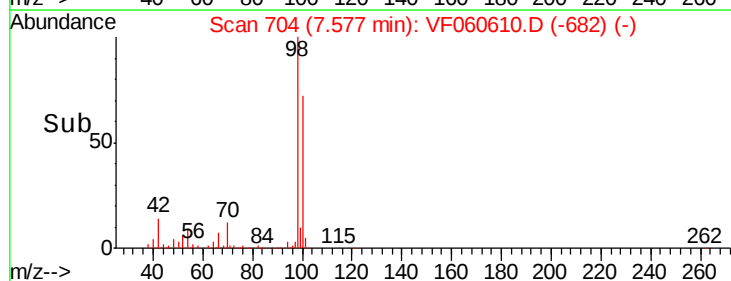
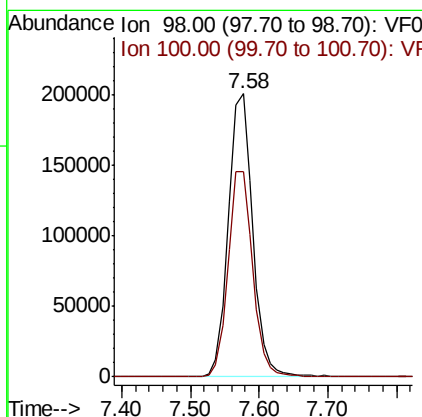
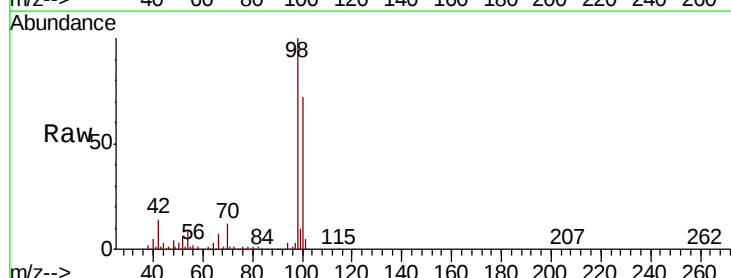
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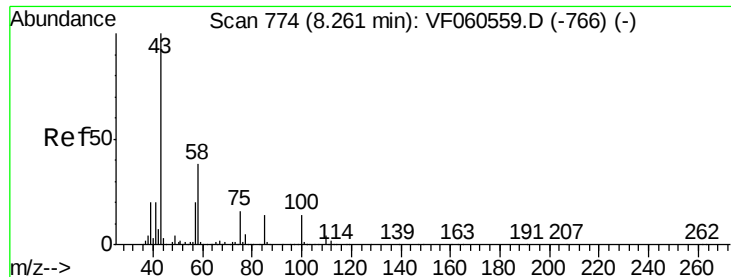
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#50
Toluene-d8
Concen: 49.693 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.4	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 216.665 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 423119

Ion Ratio Lower Upper

43 100

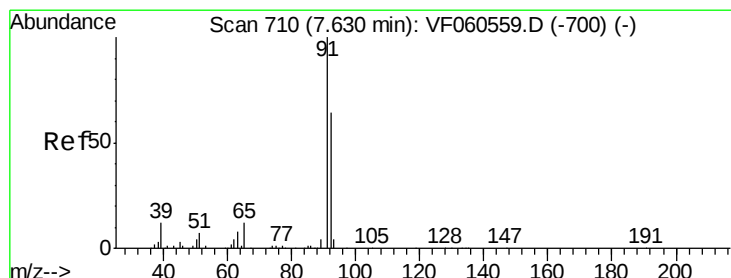
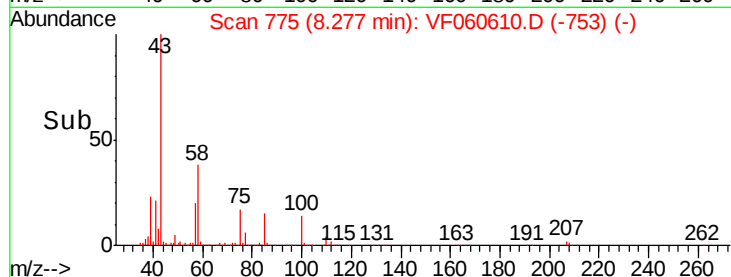
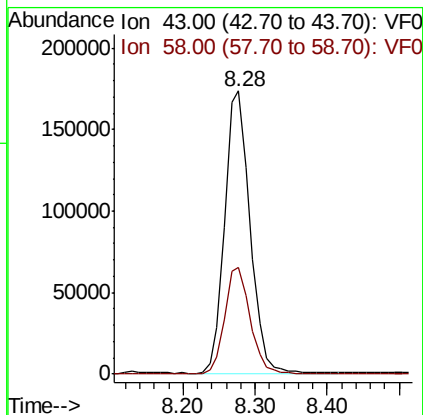
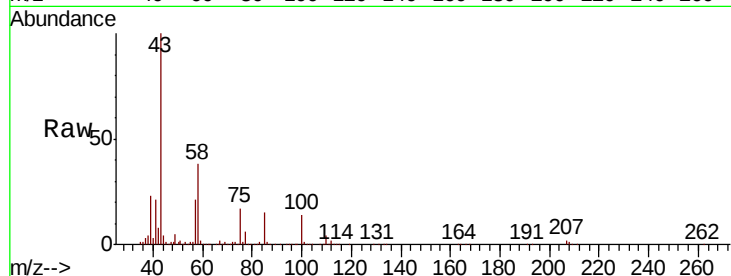
58 37.8 30.1 45.1

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#52

Toluene

Concen: 46.934 ug/l

RT: 7.65 min Scan# 711

Delta R.T. 0.02 min

Lab File: VF060610.D

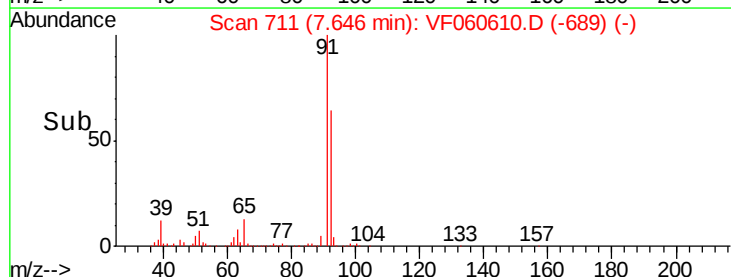
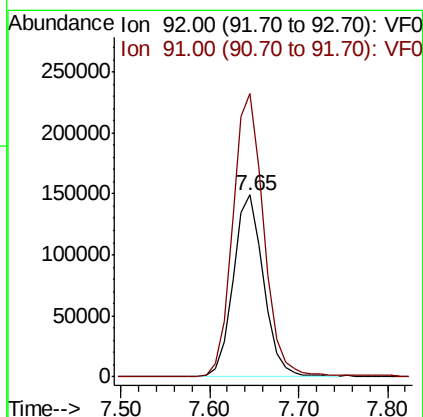
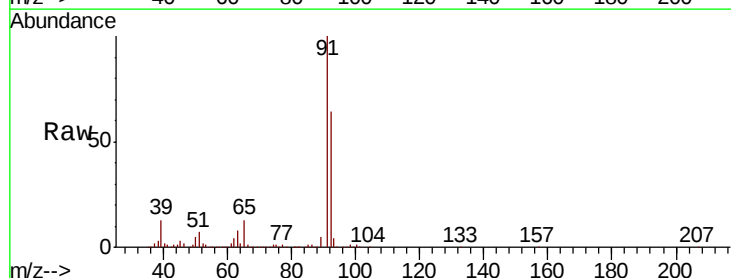
Acq: 6 Nov 2018 12:45

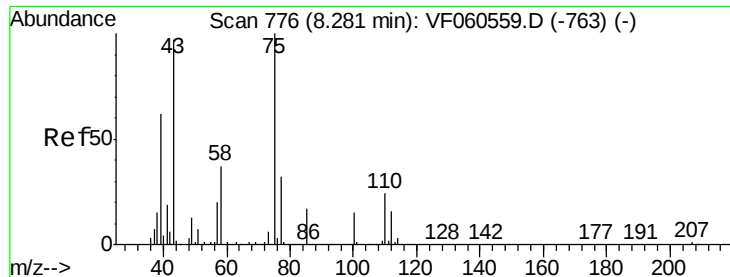
Tgt Ion: 92 Resp: 354924

Ion Ratio Lower Upper

92 100

91 155.7 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 45.337 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tot Ion: 75 Resp: 179020

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

Instrument :

MSVOA_F

ClientSampleId :

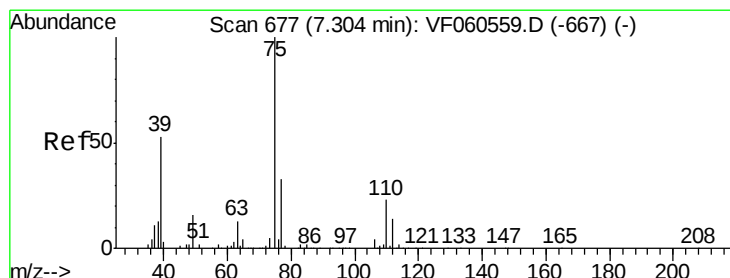
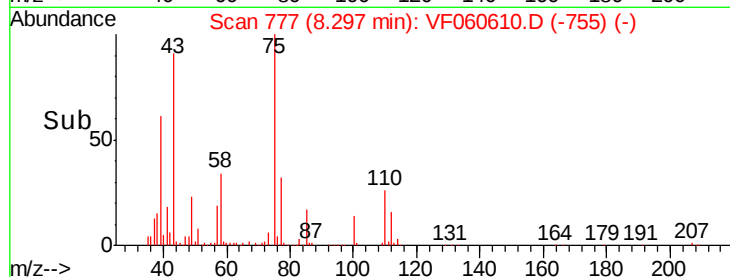
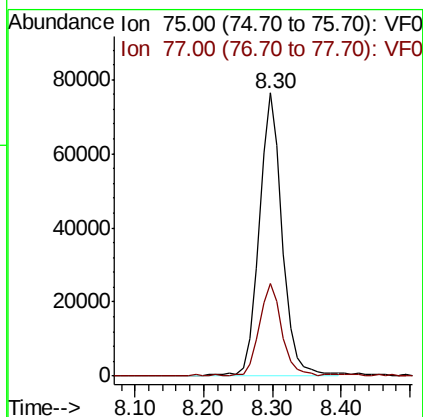
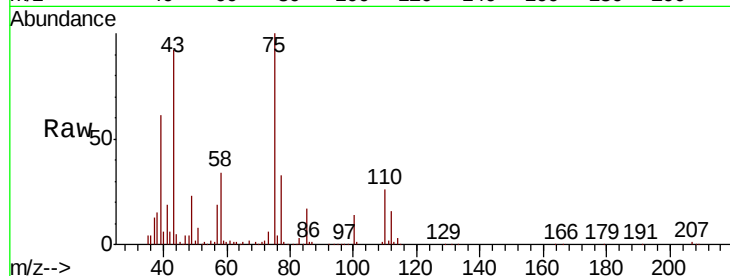
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#54

cis-1,3-Dichloropropene

Concen: 49.174 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

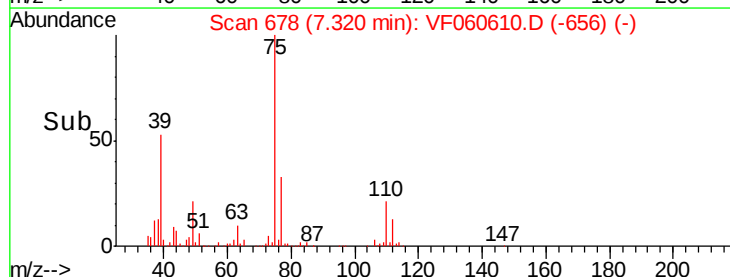
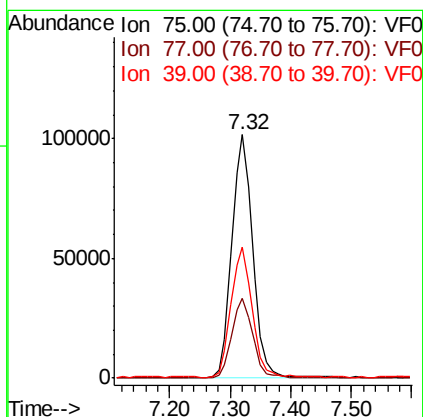
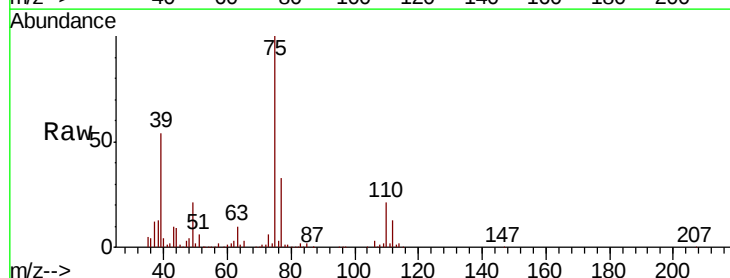
Tgt Ion: 75 Resp: 245334

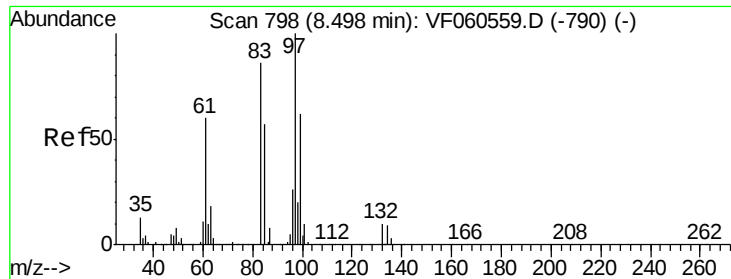
Ion Ratio Lower Upper

75 100

77 32.6 26.7 40.1

39 53.8 43.0 64.4





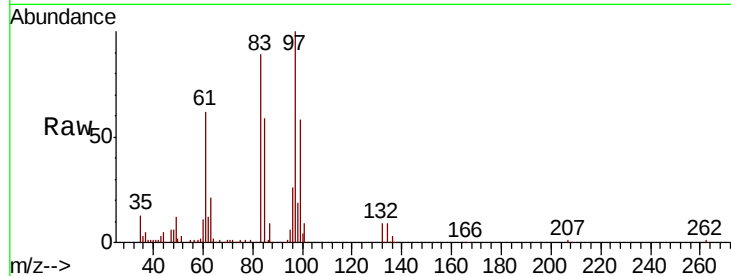
#55
 1,1,2-Trichloroethane
 Concen: 48.012 ug/l
 RT: 8.50 min Scan# 798
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

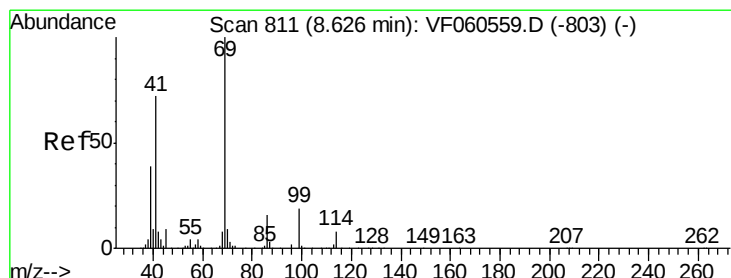
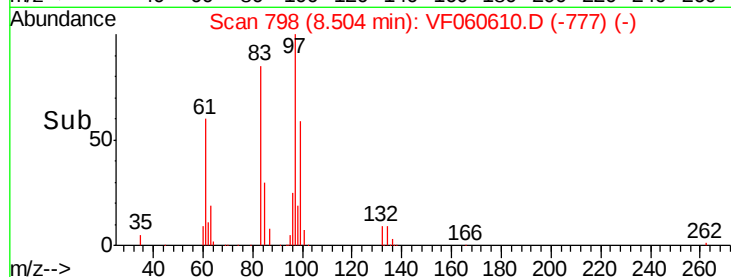
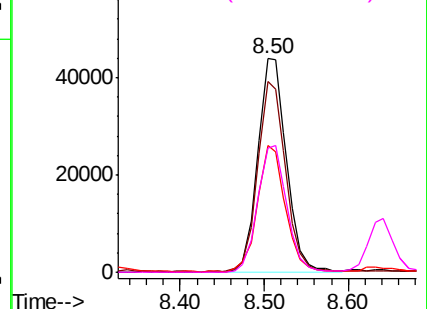
Tot Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.4	104.0
85	59.1	46.6	69.8
99	58.4	50.0	75.0

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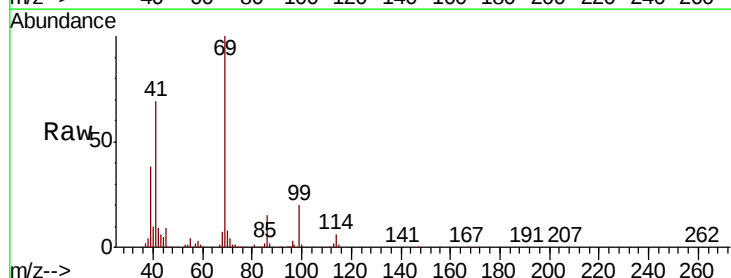


Abundance Ion 97.00 (96.70 to 97.70): VF0
 Ion 82.95 (82.65 to 83.65): VF0
 Ion 84.95 (84.65 to 85.65): VF0
 Ion 98.95 (98.65 to 99.65): VF0

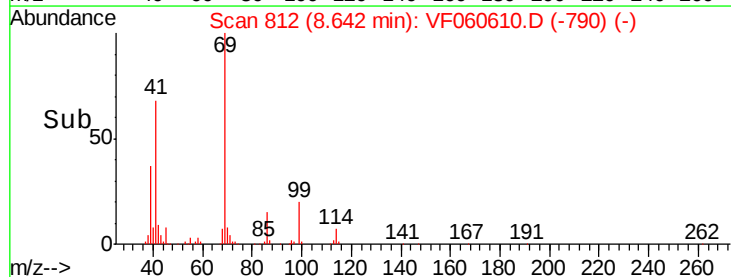
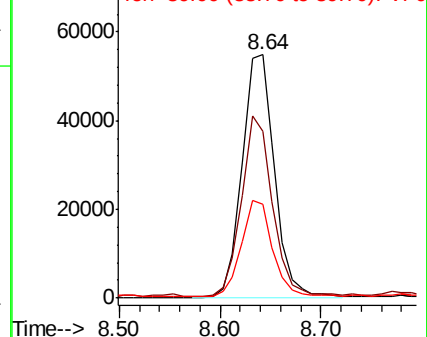


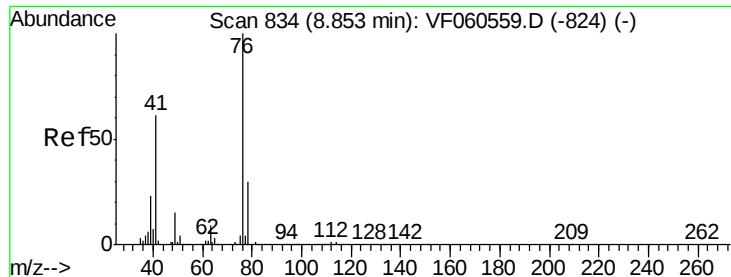
#56
 Ethyl methacrylate
 Concen: 43.517 ug/l
 RT: 8.64 min Scan# 812
 Delta R.T. 0.02 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.7	59.2	88.8
39	38.5	32.3	48.5



Abundance Ion 69.00 (68.70 to 69.70): VF0
 Ion 41.00 (40.70 to 41.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.489 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 183369

Ion Ratio Lower Upper

76 100

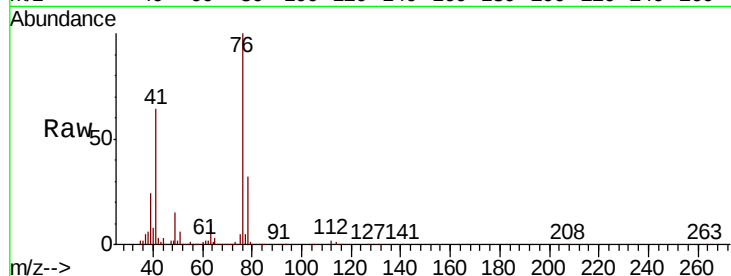
78 32.1 24.2 36.4

Manual Integrations

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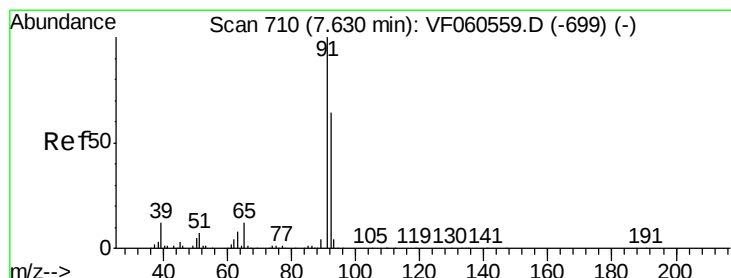
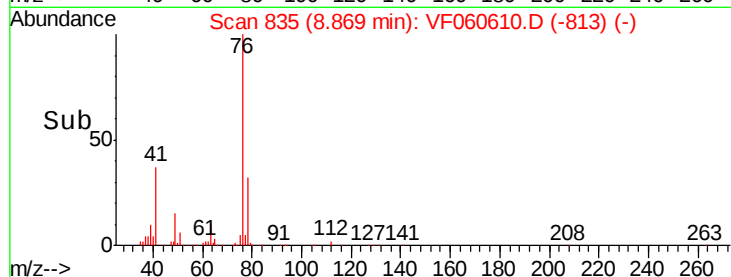
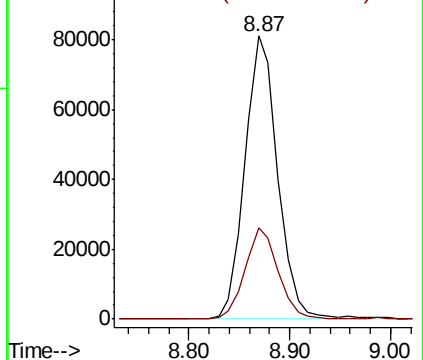
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 267.080 ug/l

RT: 7.65 min Scan# 711

Delta R.T. 0.02 min

Lab File: VF060610.D

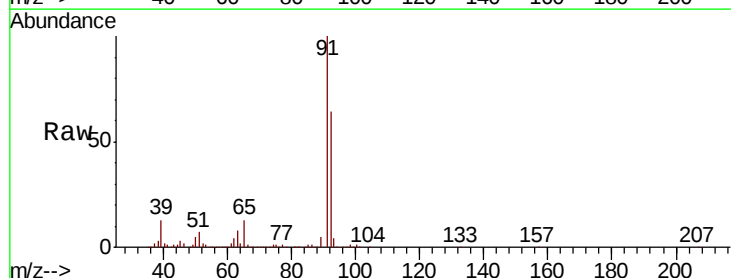
Acq: 6 Nov 2018 12:45

Tgt Ion: 63 Resp: 48111

Ion Ratio Lower Upper

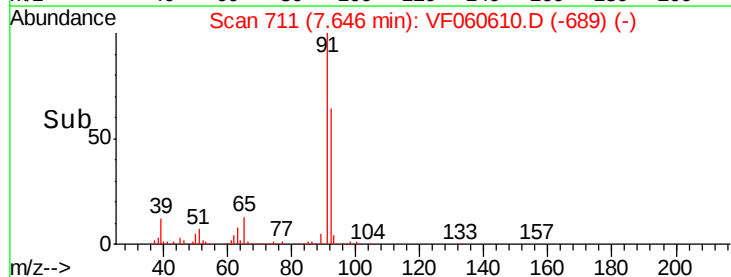
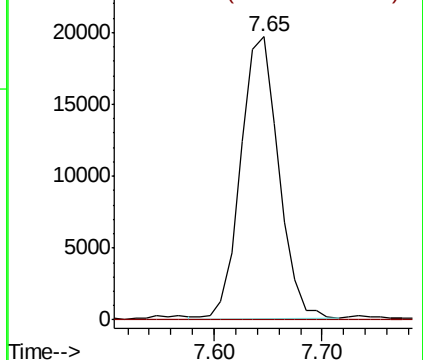
63 100

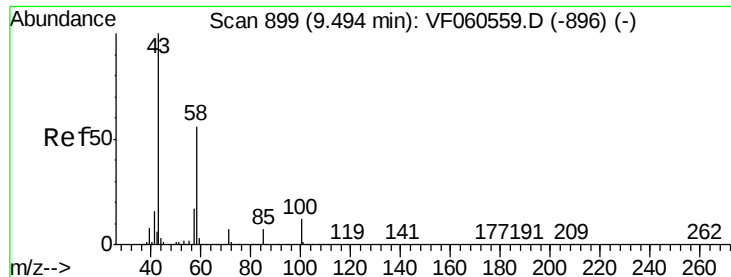
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





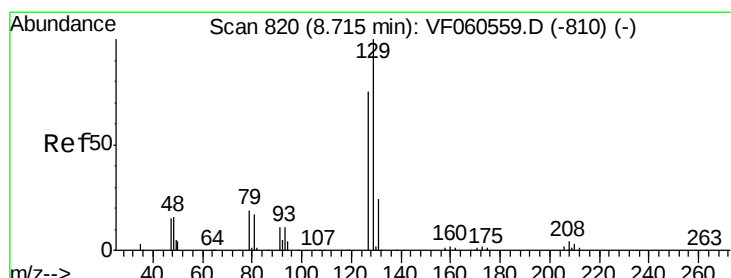
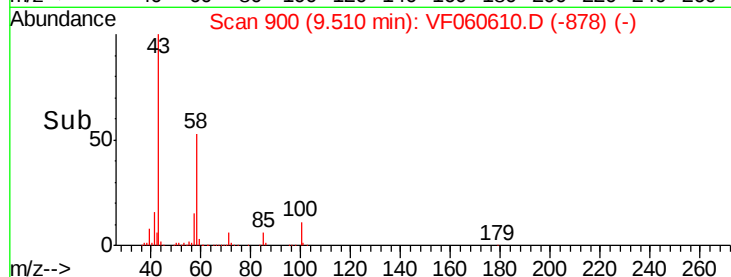
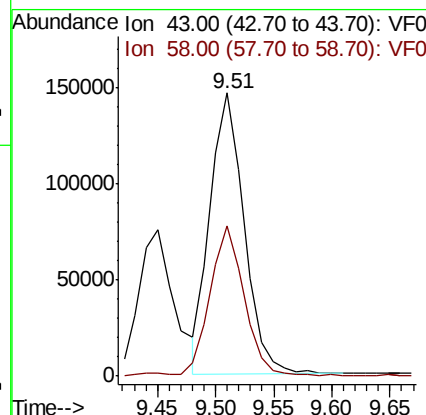
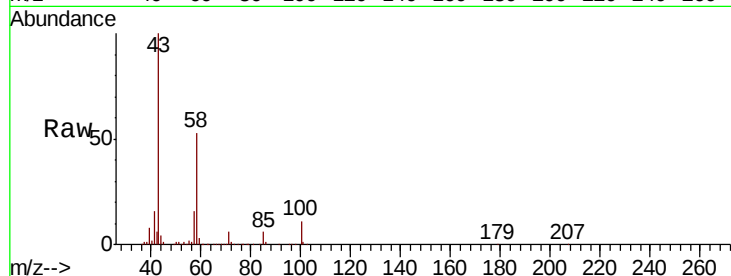
#59
2-Hexanone
Concen: 227.988 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 297725
Ion Ratio Lower Upper
43 100
58 53.2 26.1 78.3

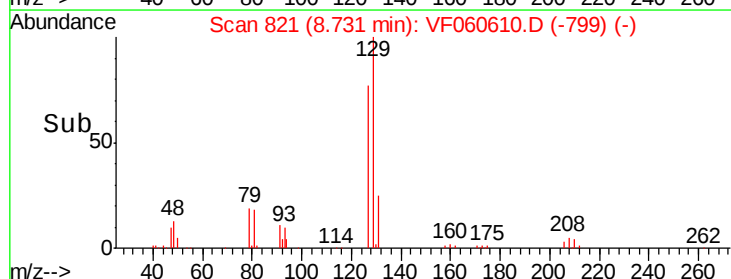
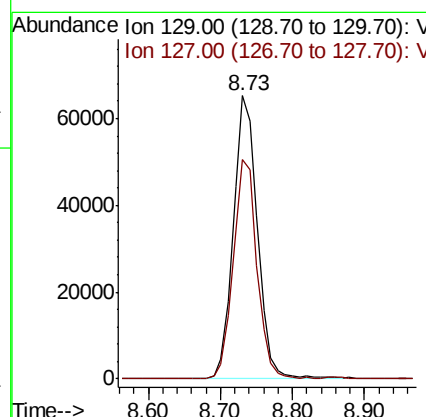
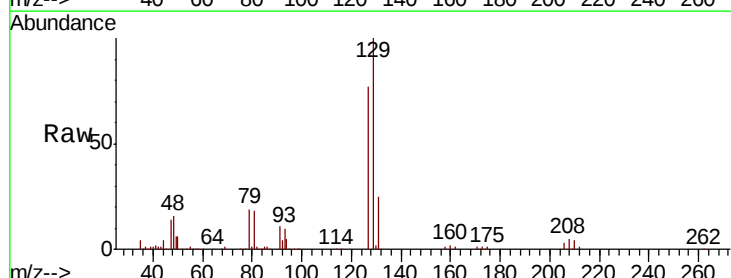
Manual Integrations
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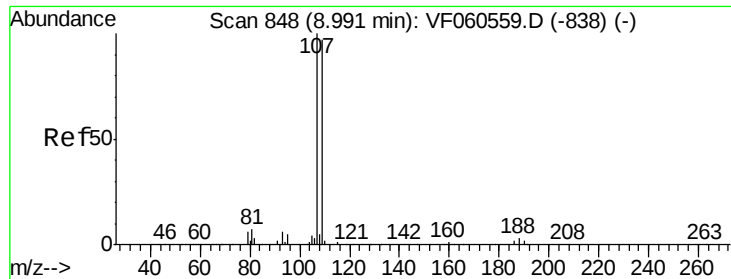
apatel
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#60
Dibromochloromethane
Concen: 49.288 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 129 Resp: 151690
Ion Ratio Lower Upper
129 100
127 77.3 37.8 113.3





#61

1,2-Dibromoethane

Concen: 48.401 ug/l

RT: 9.01 min Scan# 849

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 112008

Ion Ratio Lower Upper

107 100

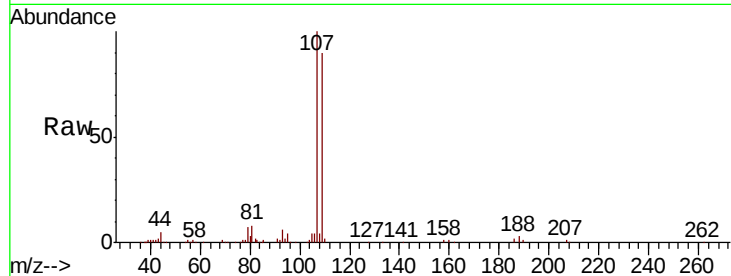
109 90.2 77.5 116.3

Manual Integrations

APPROVED

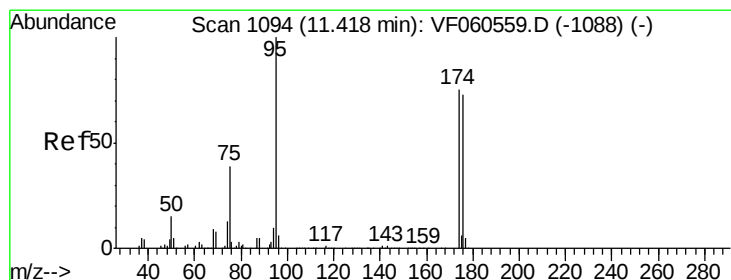
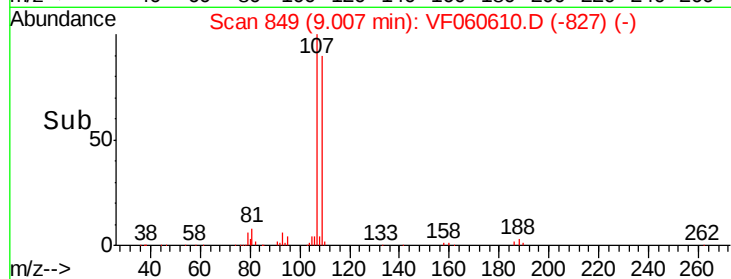
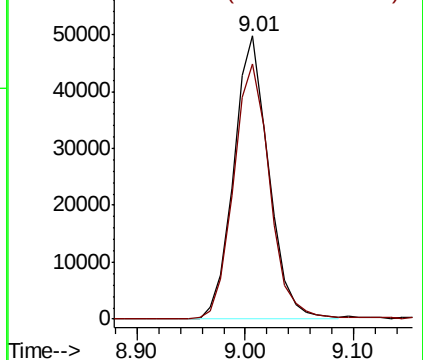
apatel

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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: 52.437 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

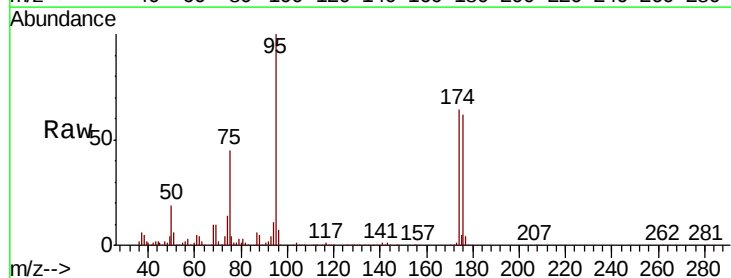
Tgt Ion: 95 Resp: 228017

Ion Ratio Lower Upper

95 100

174 64.4 0.0 149.0

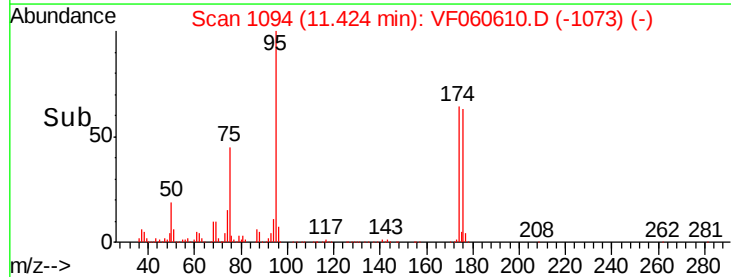
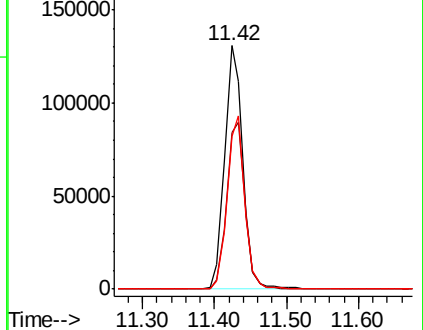
176 62.5 0.0 145.6

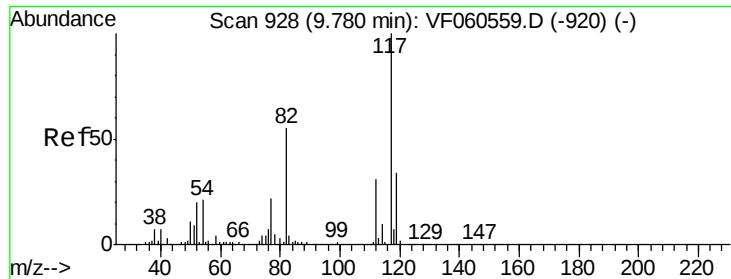


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





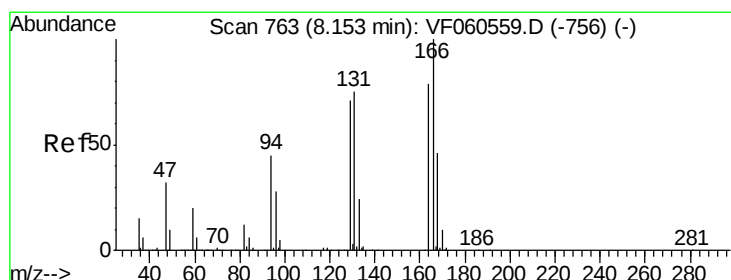
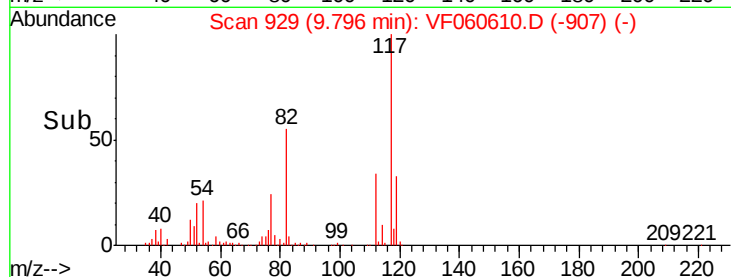
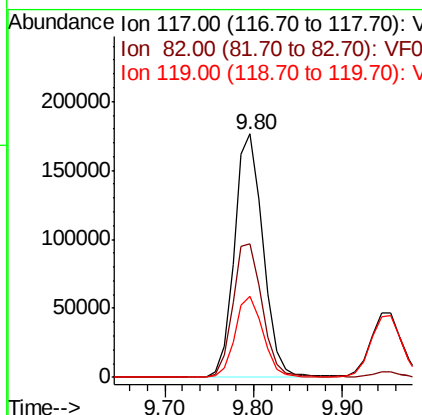
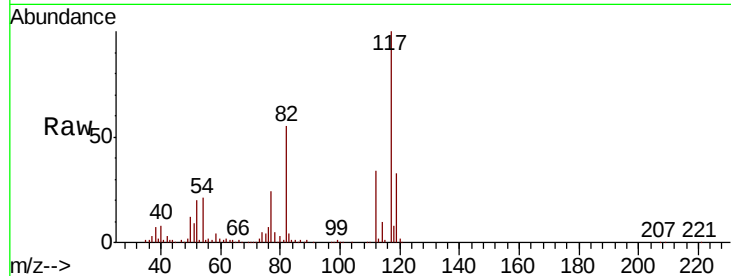
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	396915		
82	55.0		43.9	65.9
119	33.3		27.4	41.0

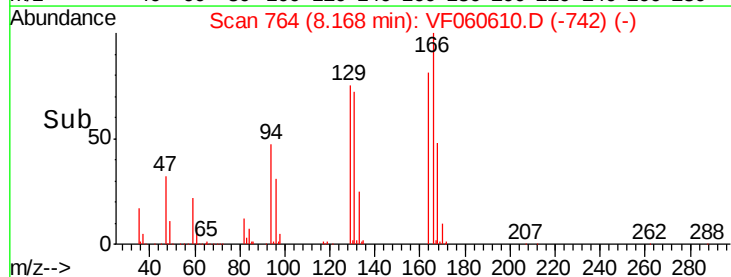
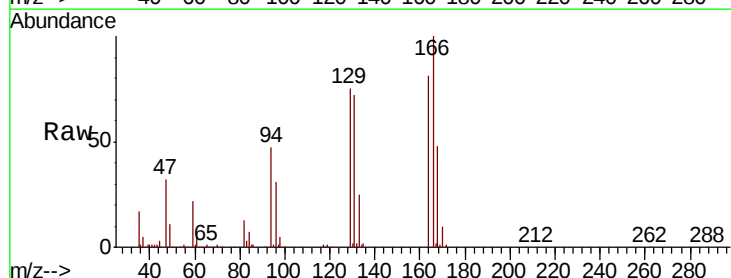
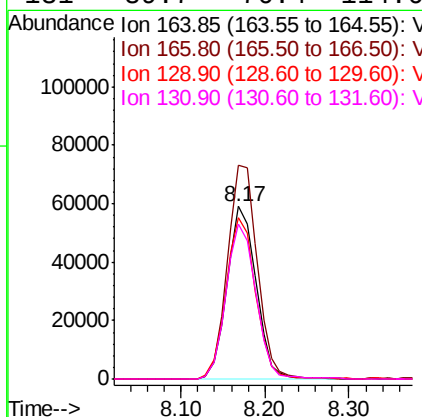
Manual Integrations
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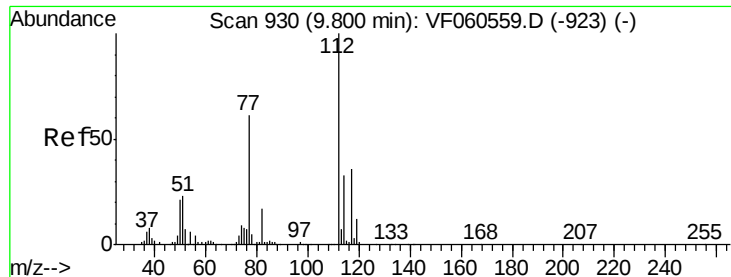
apatel
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#64
Tetrachloroethene
Concen: 45.683 ug/l
RT: 8.17 min Scan# 764
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142105		
166	123.9		101.5	152.3
129	93.3		72.5	108.7
131	89.7		76.4	114.6





#65

Chlorobenzene

Concen: 46.842 ug/l

RT: 9.82 min Scan# 931

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 380208

Ion Ratio Lower Upper

112 100

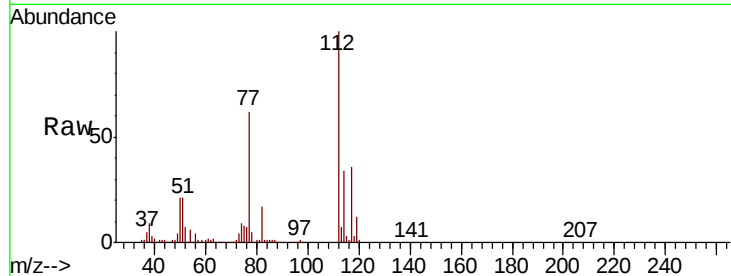
114 33.9 26.6 40.0

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

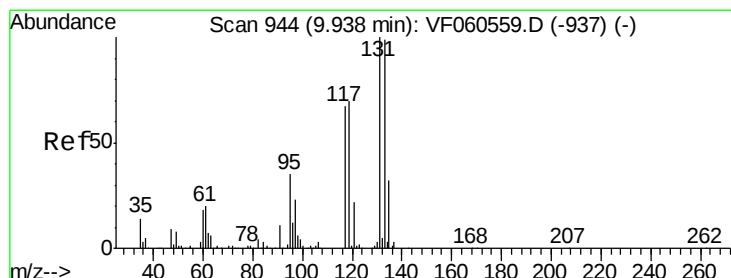
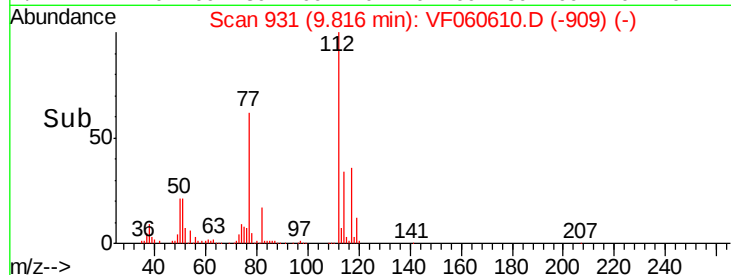
100000

50000

0

9.70 9.80 9.90 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.186 ug/l

RT: 9.95 min Scan# 945

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

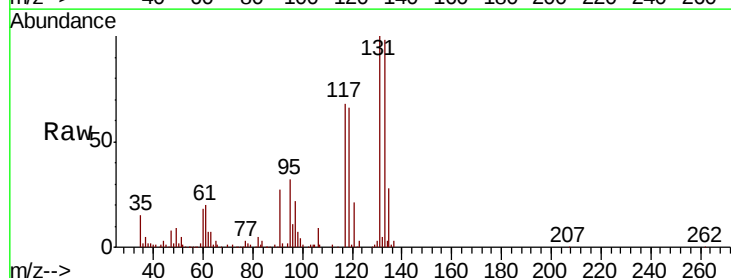
Tgt Ion:131 Resp: 158404

Ion Ratio Lower Upper

131 100

133 98.4 49.5 148.7

119 65.9 35.2 105.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

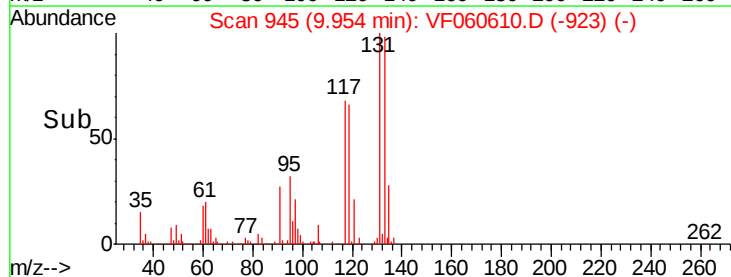
40000

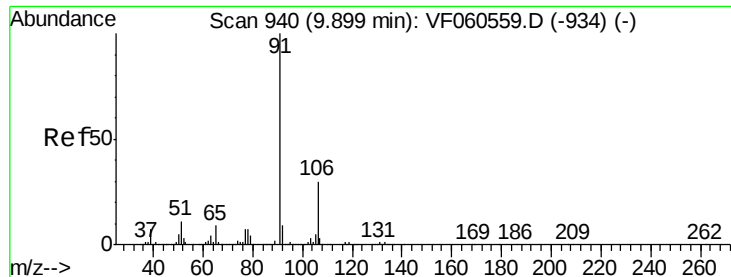
20000

0

9.80 9.90 10.00 10.10

Time-->





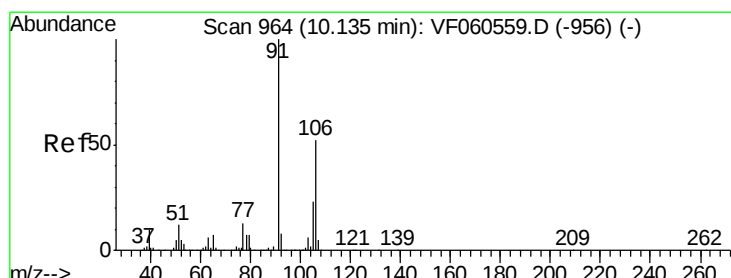
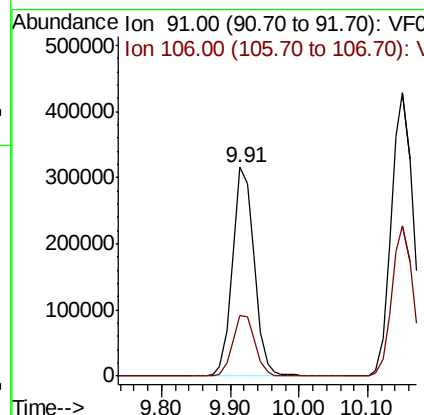
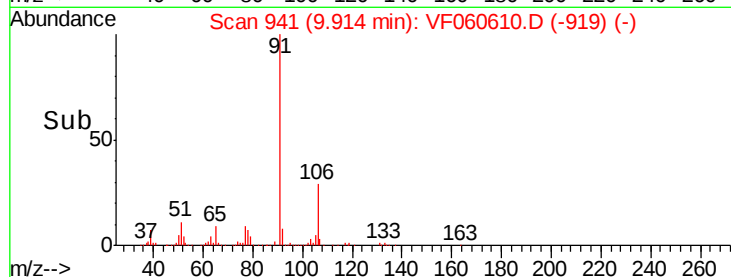
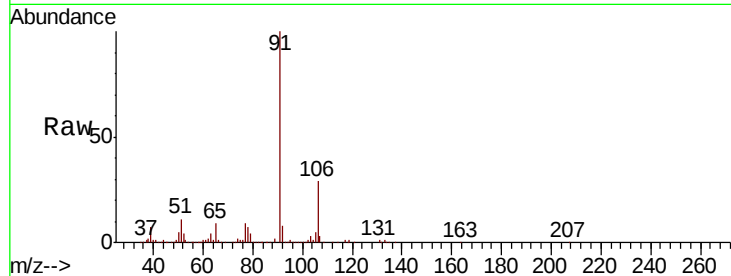
#67
Ethyl Benzene
Concen: 47.149 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 694492
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.4

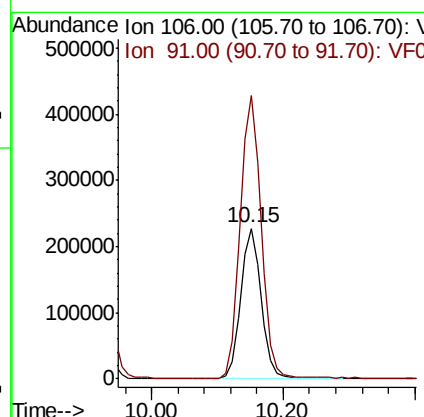
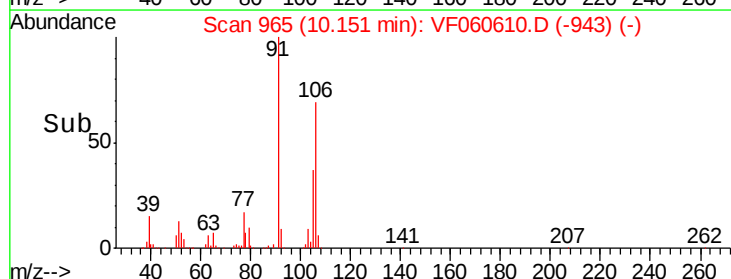
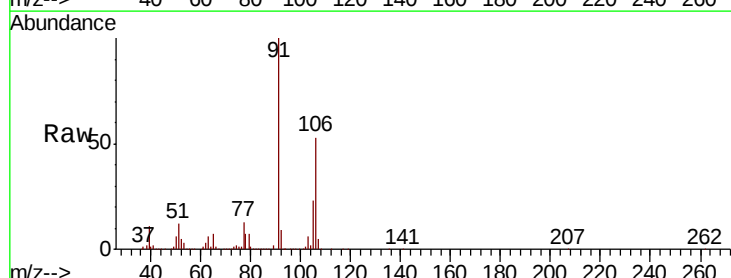
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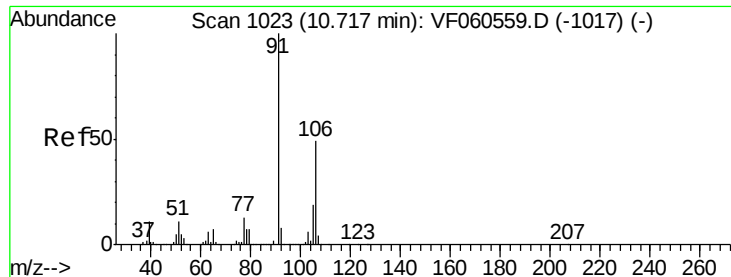
apatel
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#68
m/p-Xylenes
Concen: 89.334 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion: 106 Resp: 495668
Ion Ratio Lower Upper
106 100
91 188.4 153.9 230.9





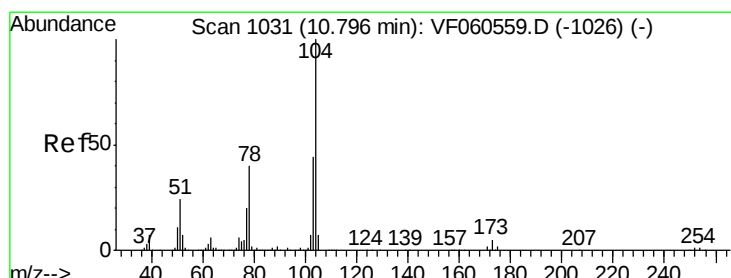
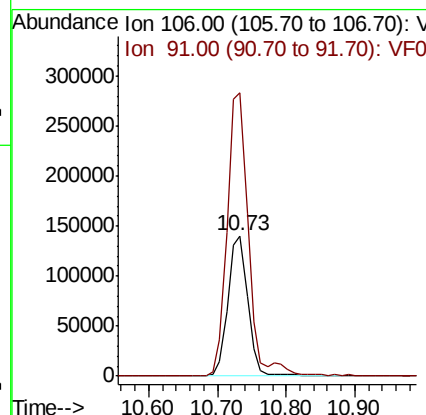
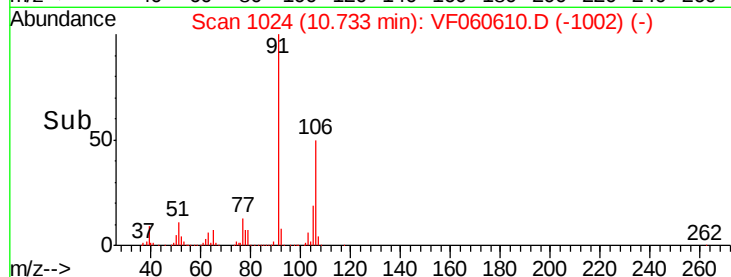
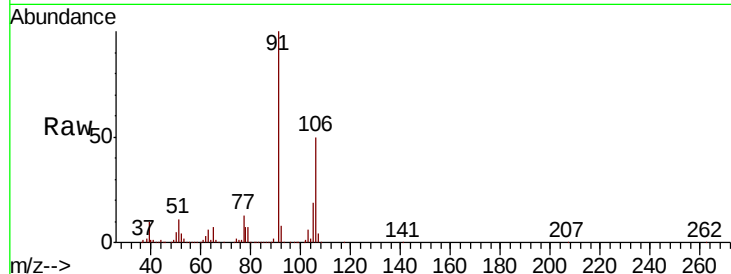
#69
o-Xylene
Concen: 46.361 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	280882		
91	91	202.0	101.8	305.3	

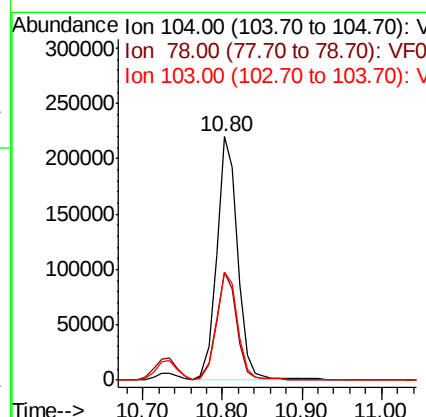
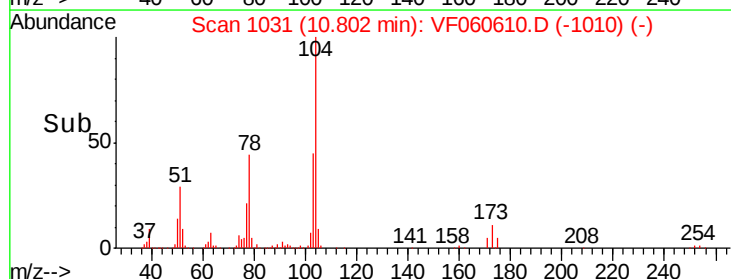
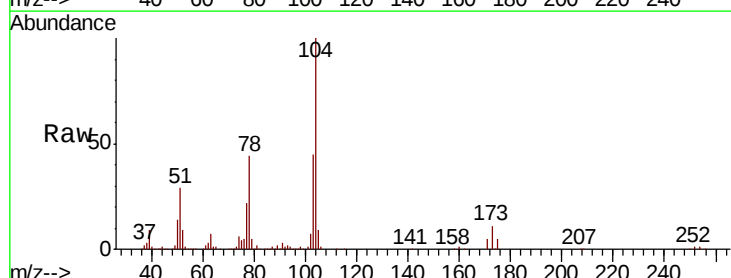
Manual Integrations
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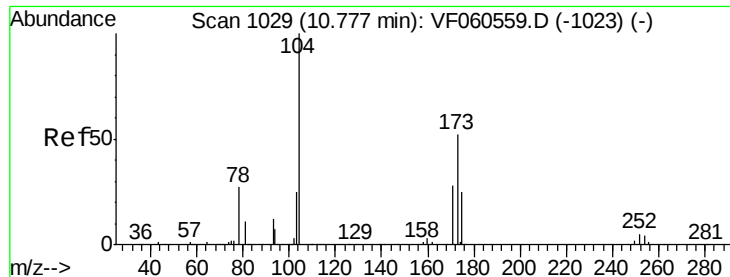
apatel
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#70
Styrene
Concen: 46.000 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	403762		
78	78	44.1	32.6	49.0	
103	103	44.5	35.2	52.8	





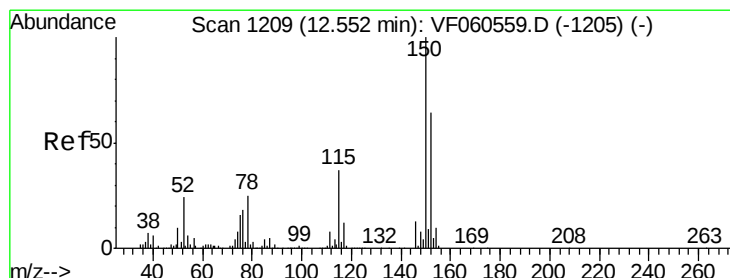
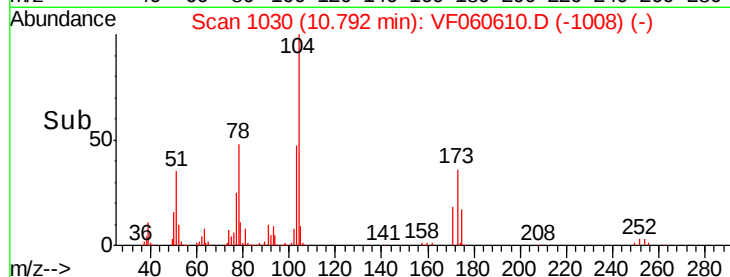
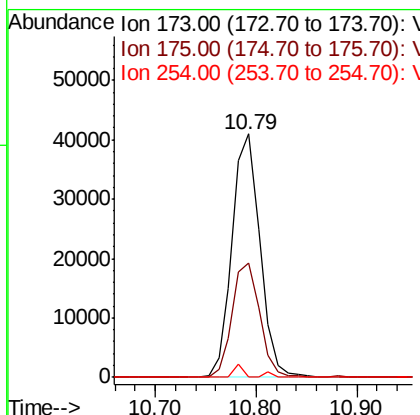
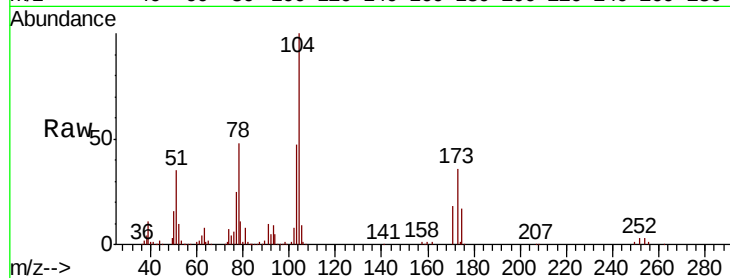
#71
Bromoform
Concen: 44.556 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.9
254	0.0	6.7	10.1

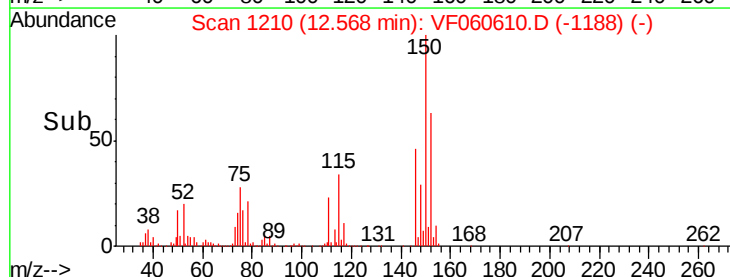
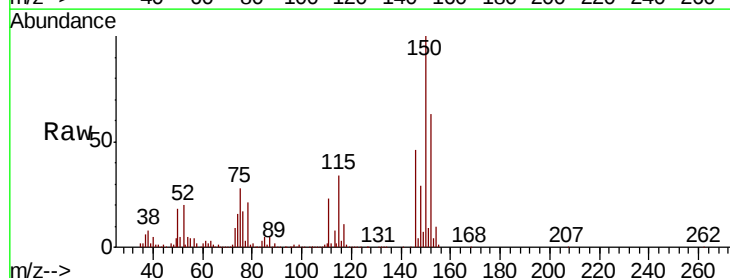
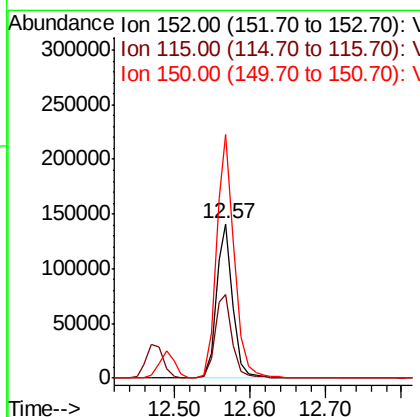
Manual Integrations
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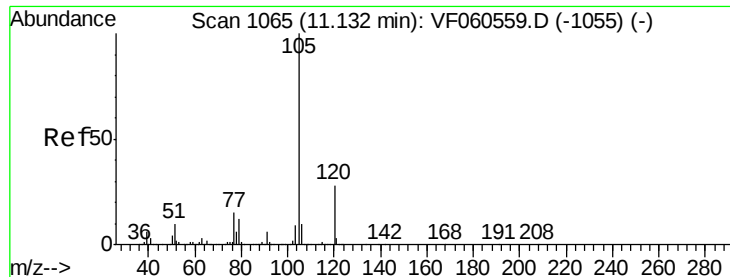
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	29.6	88.8
150	157.7	0.0	315.6





#73

Isopropylbenzene

Concen: 48.091 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF060610.D

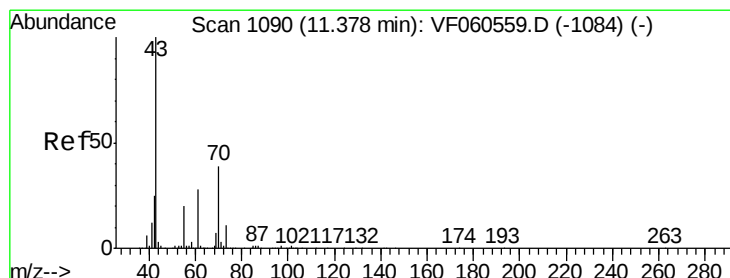
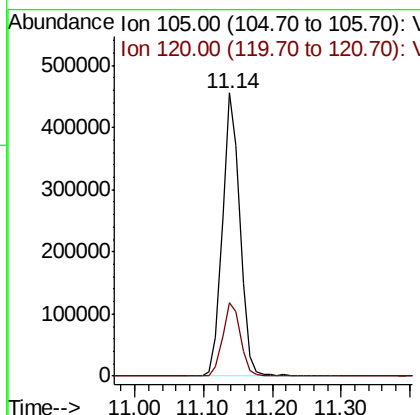
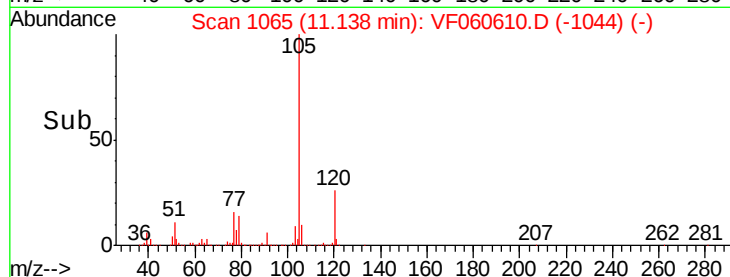
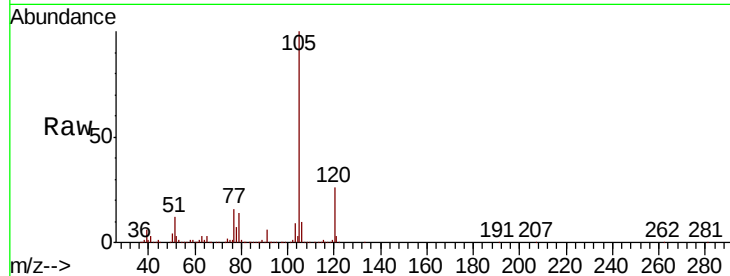
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.9	41.6

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#74

N-ethyl acetate

Concen: 44.502 ug/l

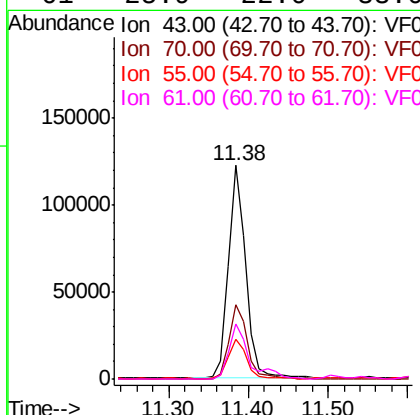
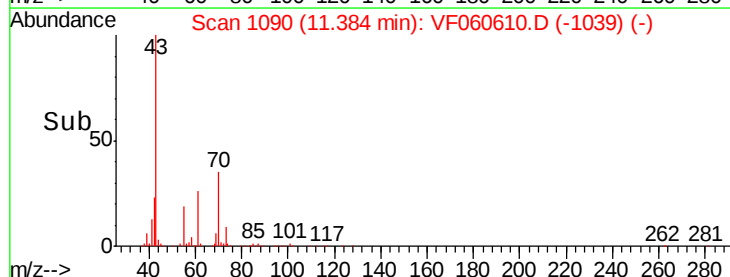
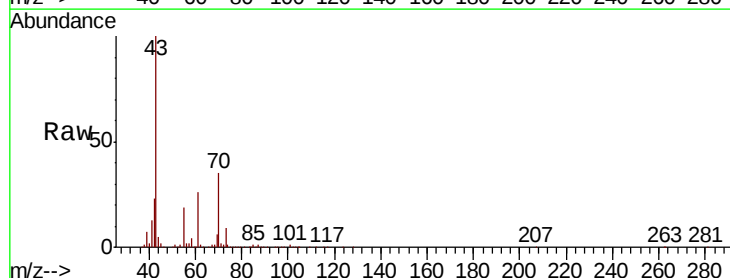
RT: 11.38 min Scan# 1090

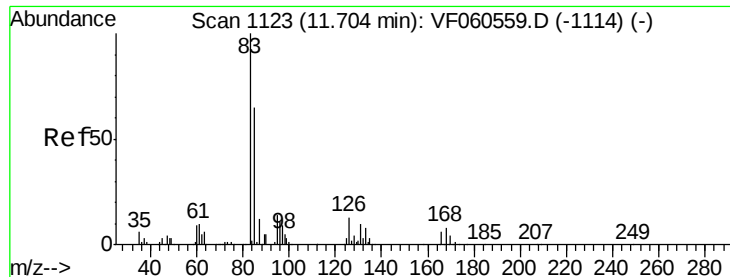
Delta R.T. 0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.9	30.9	46.3
55	18.7	16.6	24.8
61	25.9	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.850 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

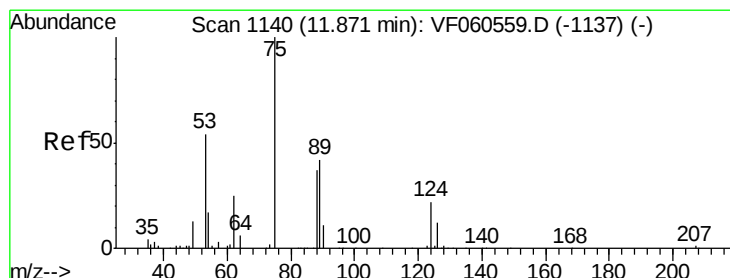
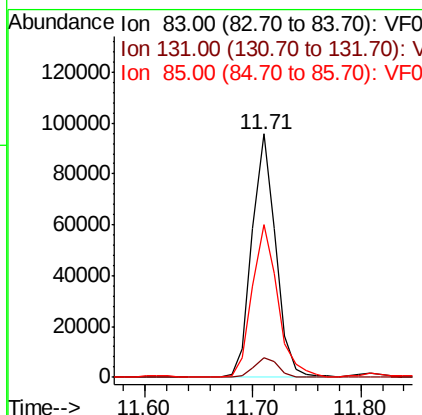
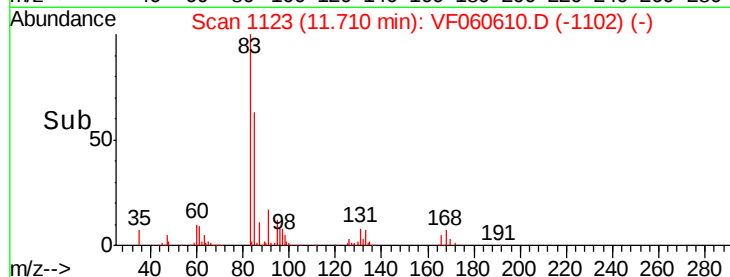
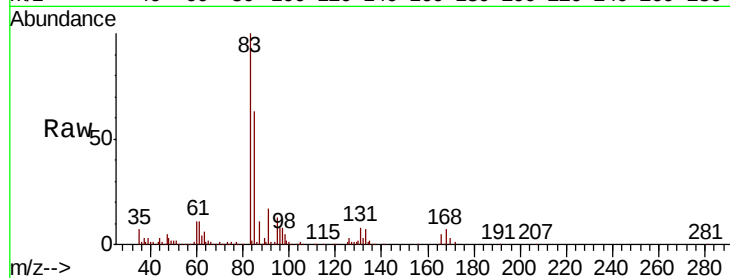
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146164
Ion Ratio	Lower	Upper	
83	100		
131	8.0	5.0	14.9
85	62.6	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.247 ug/l

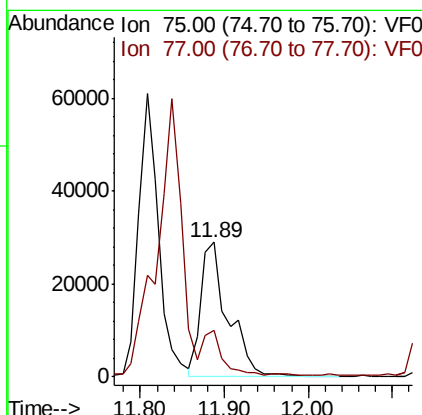
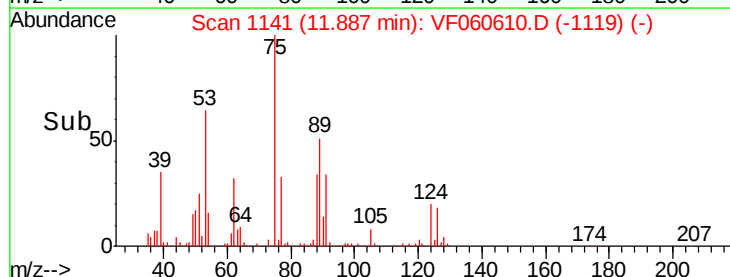
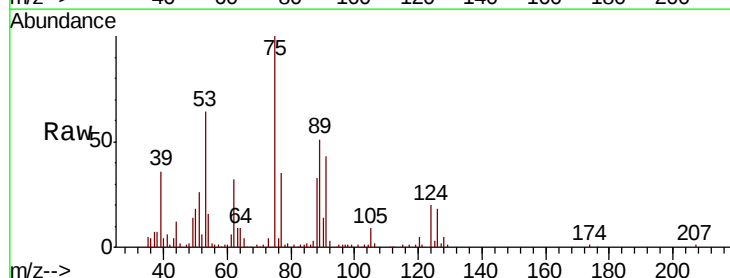
RT: 11.89 min Scan# 1141

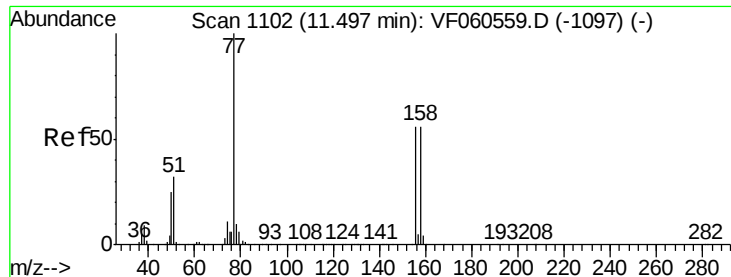
Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion:	75	Resp:	64923
Ion Ratio	Lower	Upper	
75	100		
77	34.8	17.4	52.3





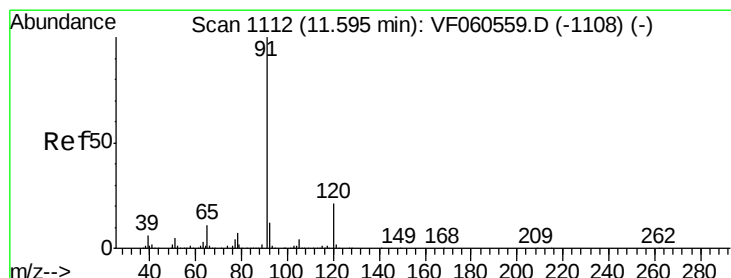
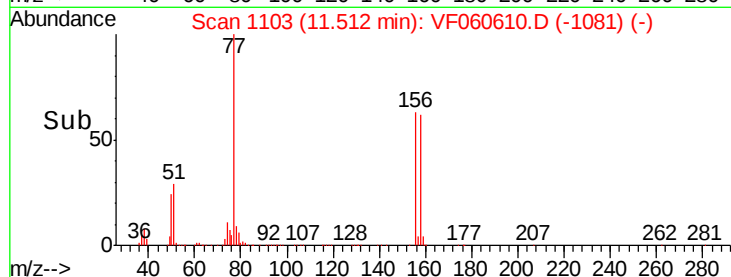
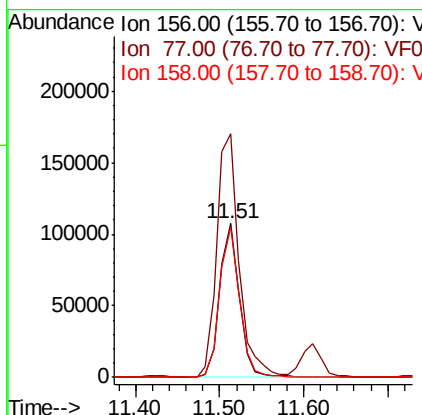
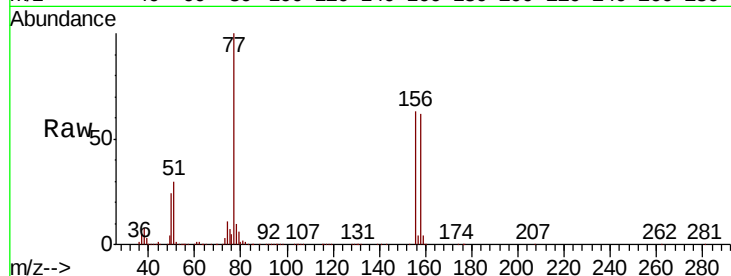
#77
Bromobenzene
Concen: 48.233 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.3	89.3	268.1
158	98.0	50.0	150.1

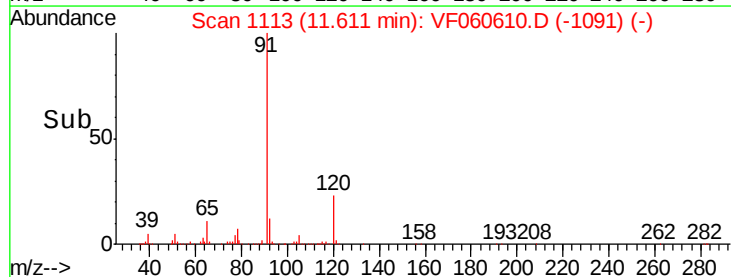
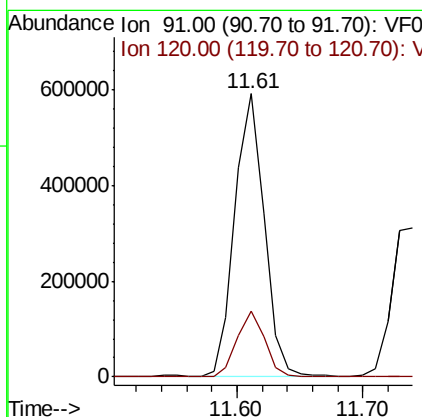
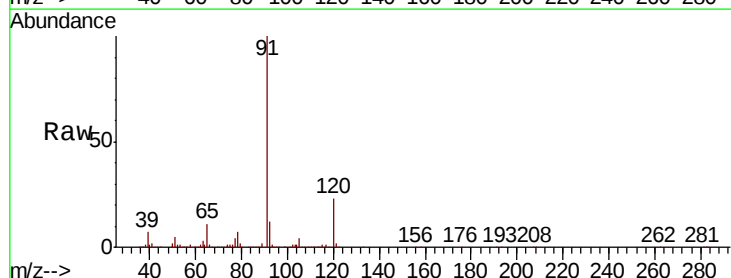
Manual Integrations
APPROVED

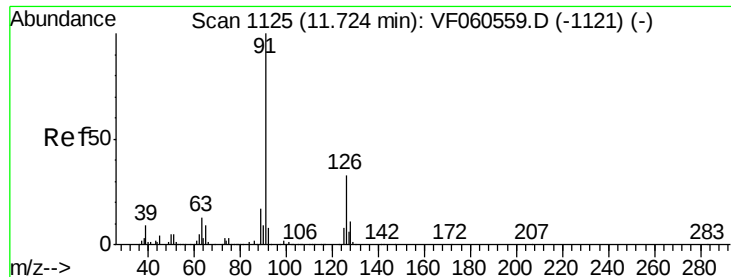
apatel
11/7/2018 11:21:27 AM



#78
n-propylbenzene
Concen: 48.731 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	10.5	31.6





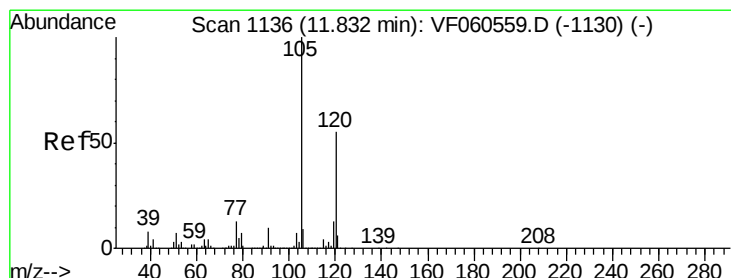
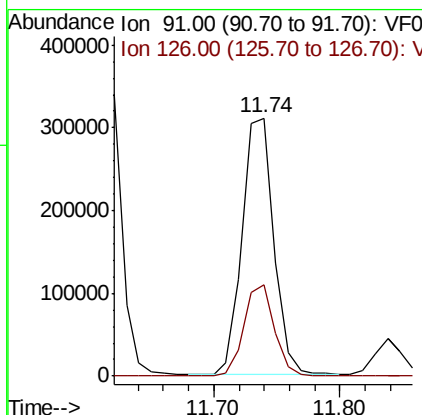
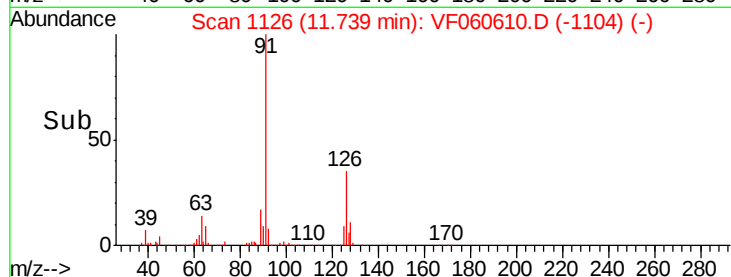
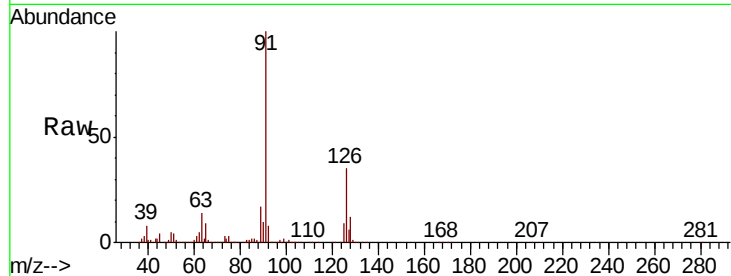
#79
2-Chlorotoluene
Concen: 48.307 ug/l
RT: 11.74 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.5	49.5

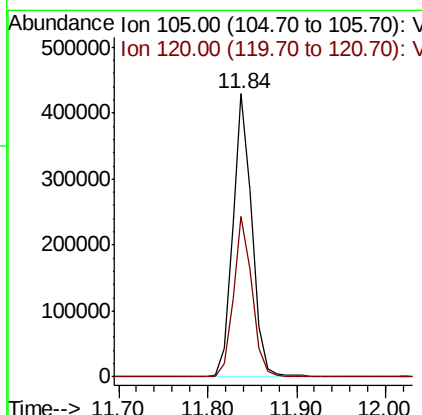
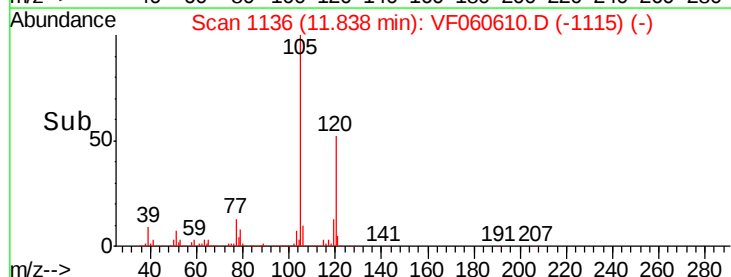
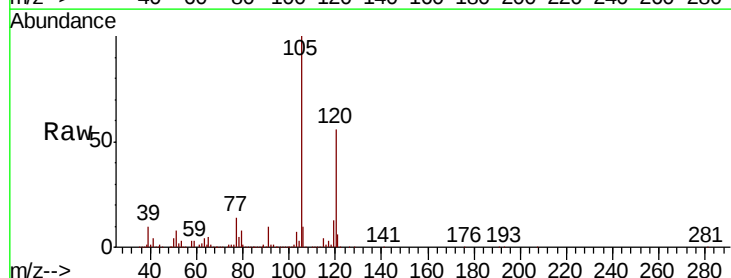
Manual Integrations
APPROVED

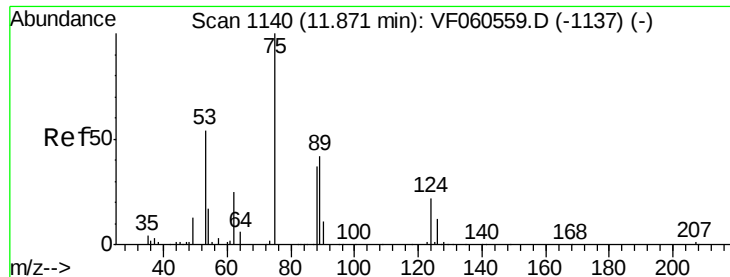
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 46.980 ug/l
RT: 11.84 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	56.5	27.6	82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.753 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

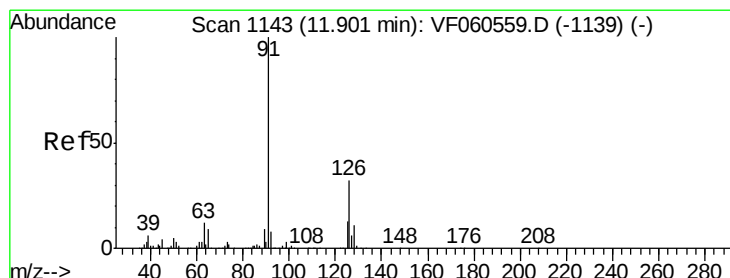
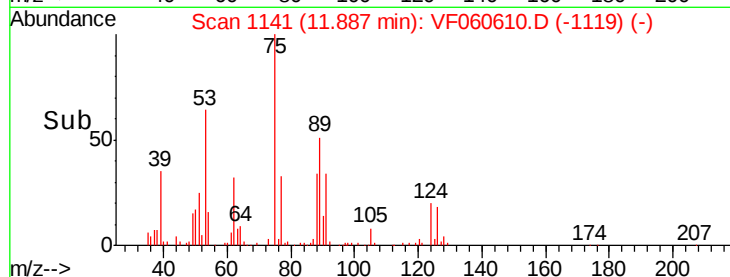
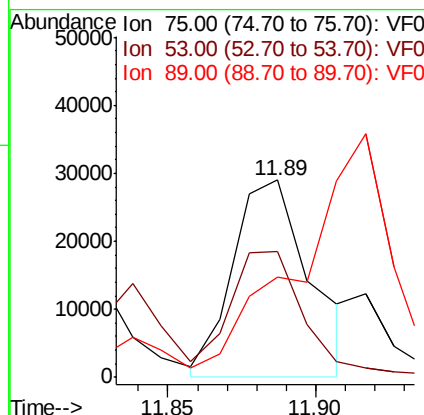
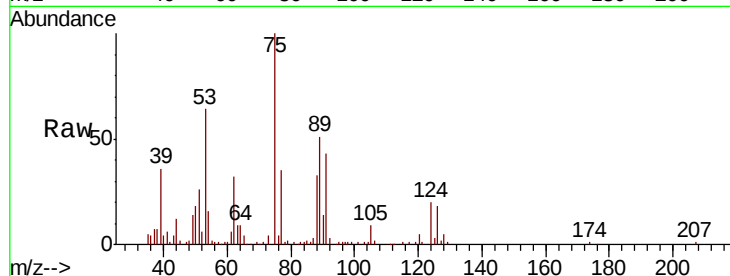
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	52800
Ion	Ratio	Lower	Upper
75	100		
53	63.9	51.6	77.4
89	50.8	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.878 ug/l

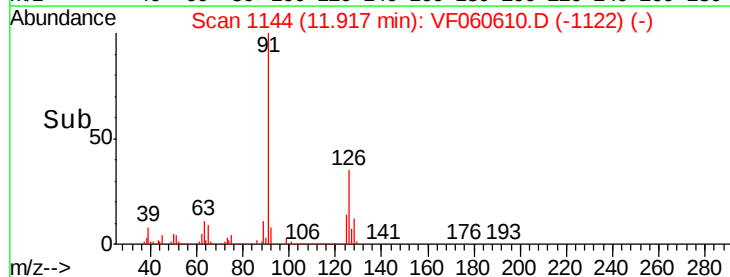
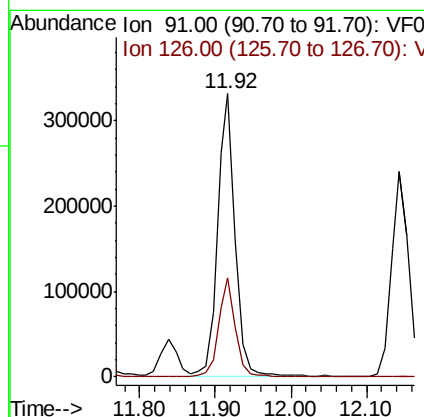
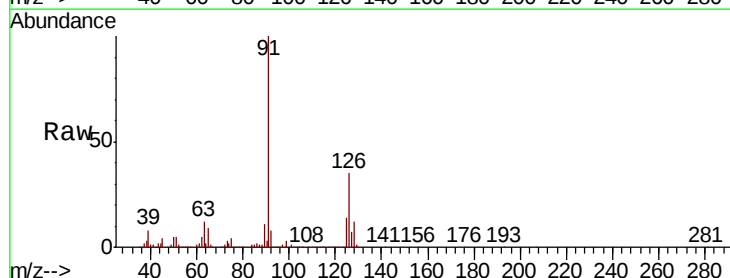
RT: 11.92 min Scan# 1144

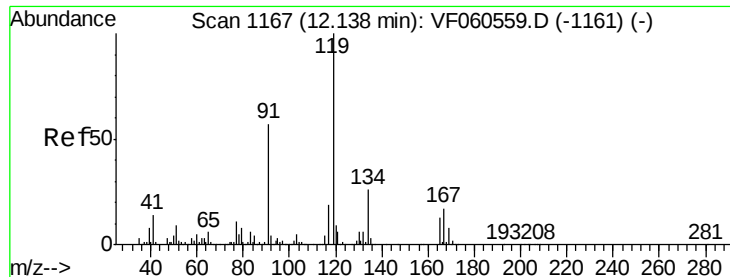
Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Tgt Ion:	91	Resp:	535238
Ion	Ratio	Lower	Upper
91	100		
126	35.1	15.9	47.7





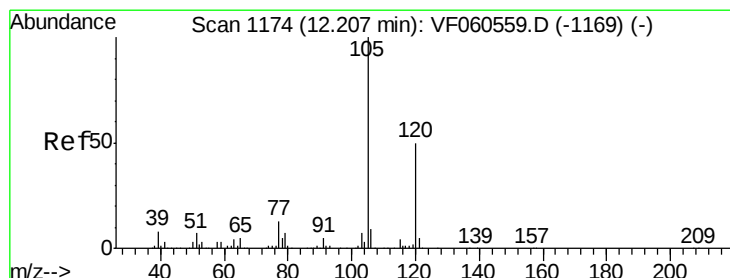
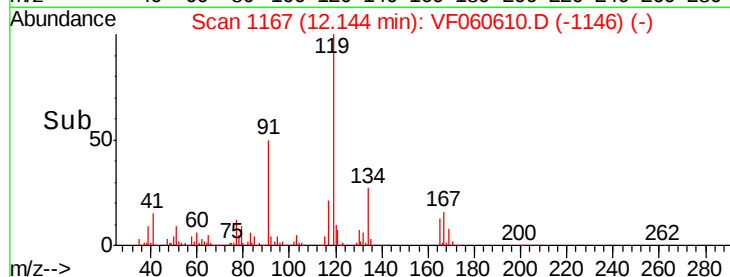
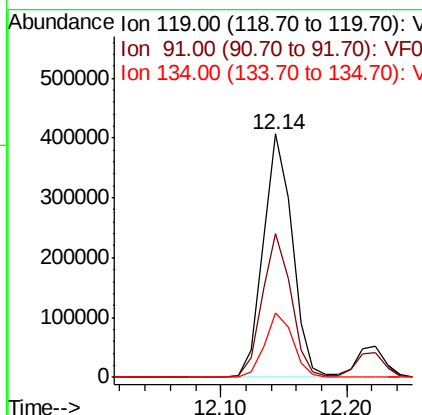
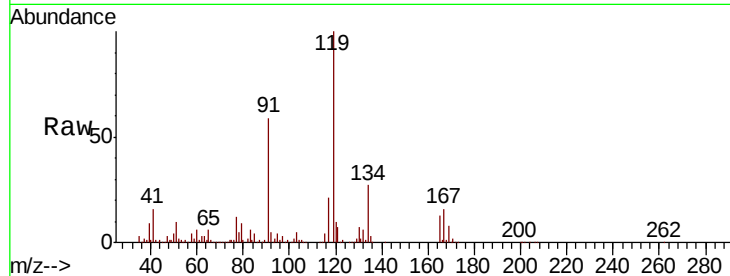
#83
tert-Butylbenzene
Concen: 46.523 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.1	28.8	86.4
134	26.7	13.2	39.6

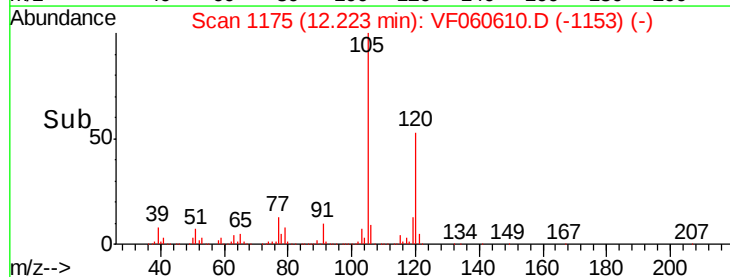
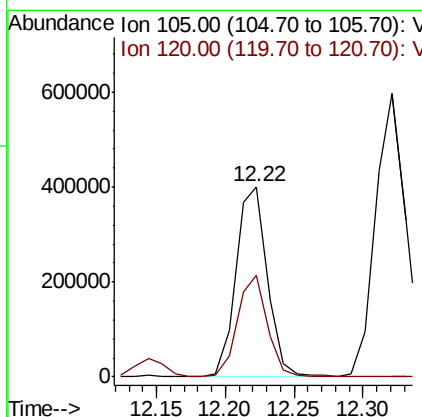
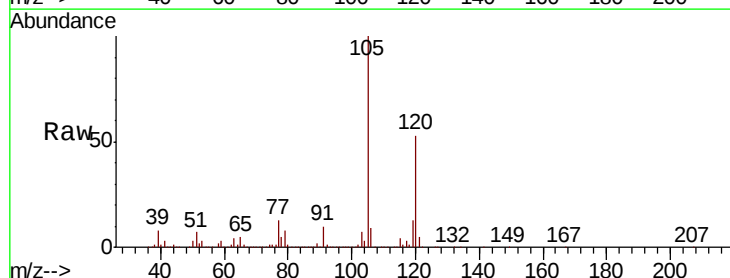
Manual Integrations
APPROVED

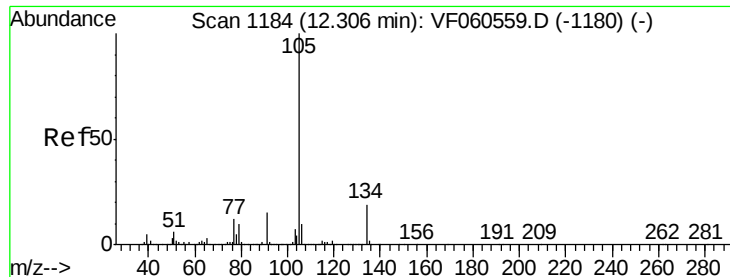
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 47.061 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.4	25.6	76.8





#85

sec-Butylbenzene

Concen: 47.438 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 919626

Ion Ratio Lower Upper

105 100

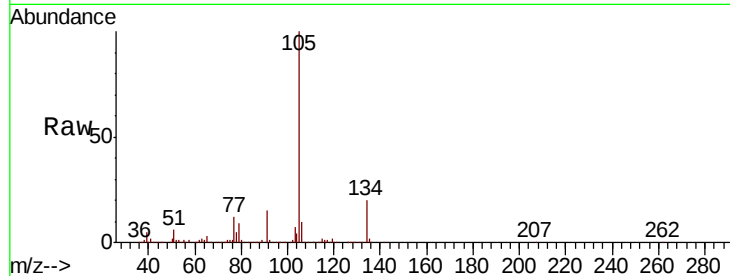
134 20.3 9.7 29.1

Manual Integrations

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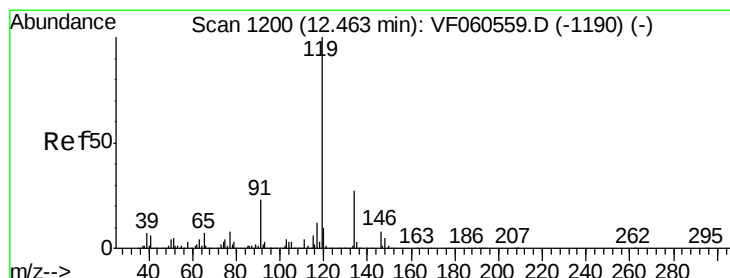
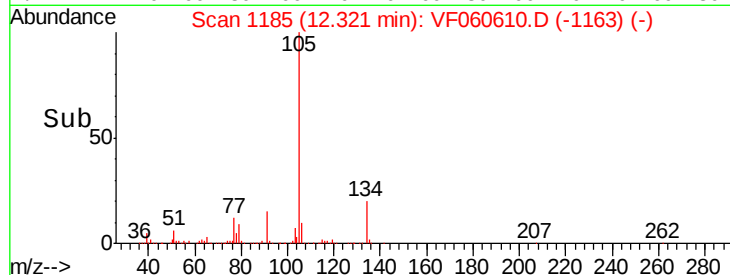
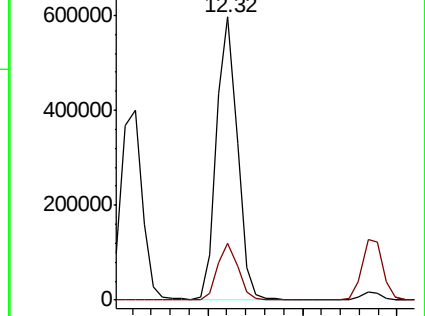
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.247 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF060610.D

Acq: 6 Nov 2018 12:45

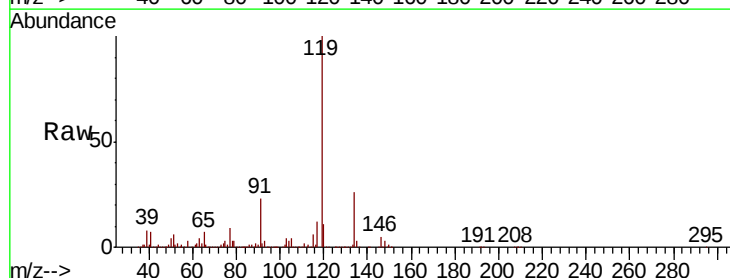
Tgt Ion:119 Resp: 770214

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.7

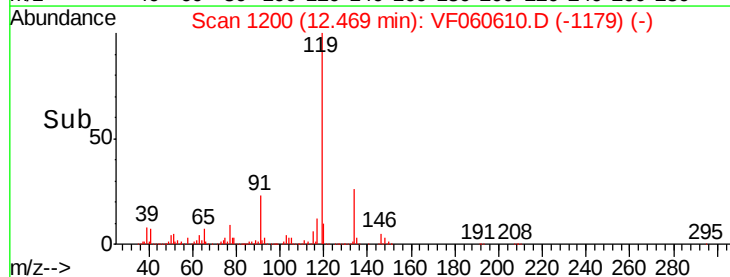
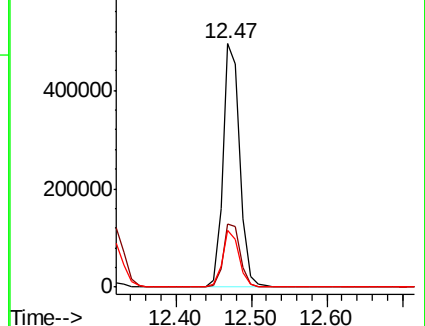
91 23.3 11.4 34.2

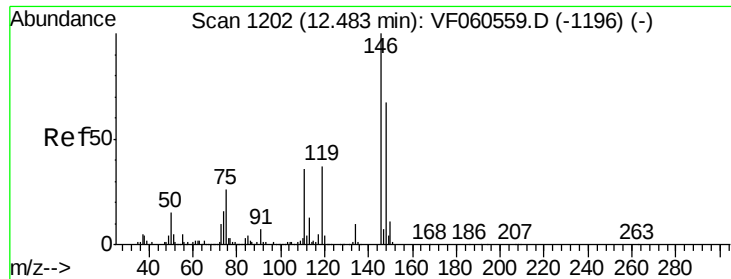


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





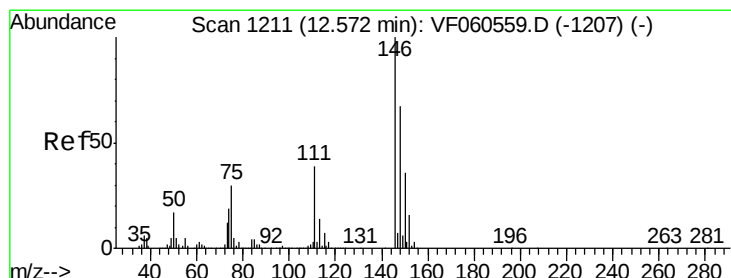
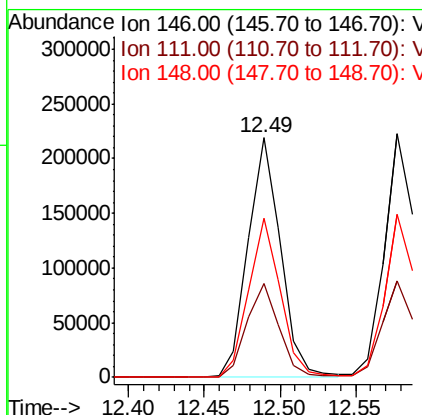
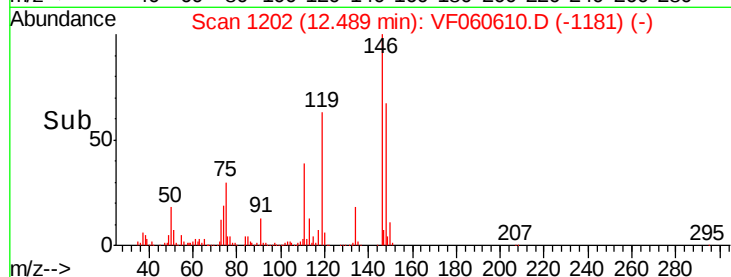
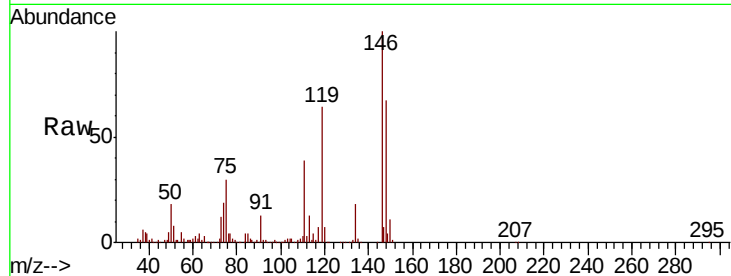
#87
 1,3-Dichlorobenzene
 Concen: 45.746 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.3	54.8
148	66.5	33.5	100.4

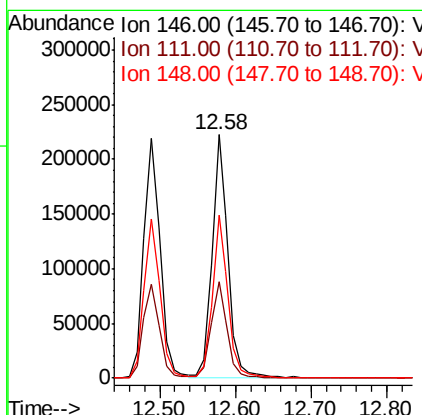
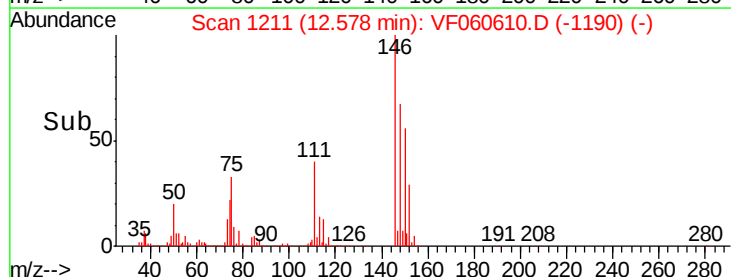
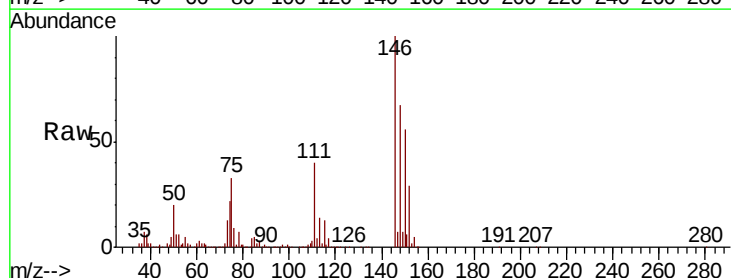
Manual Integrations
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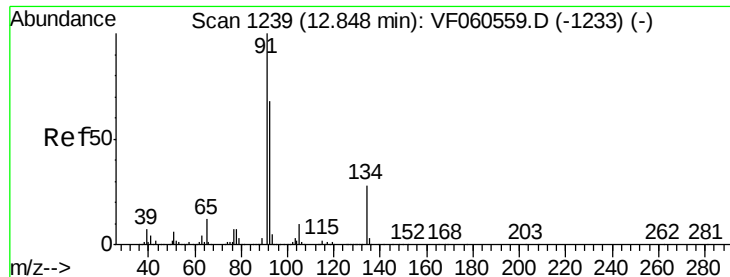
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 48.415 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	66.8	33.7	101.1





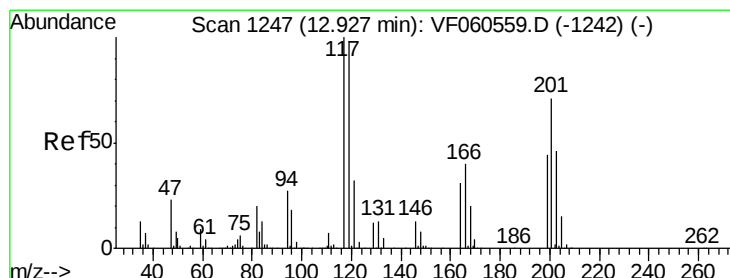
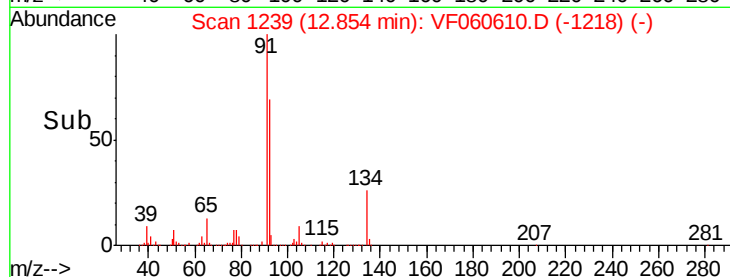
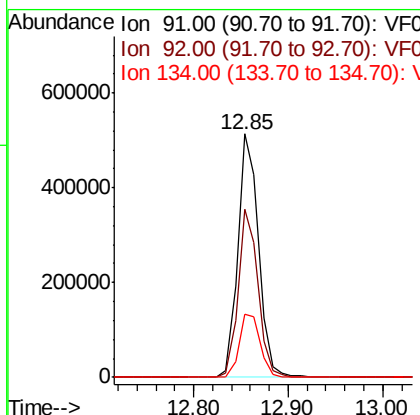
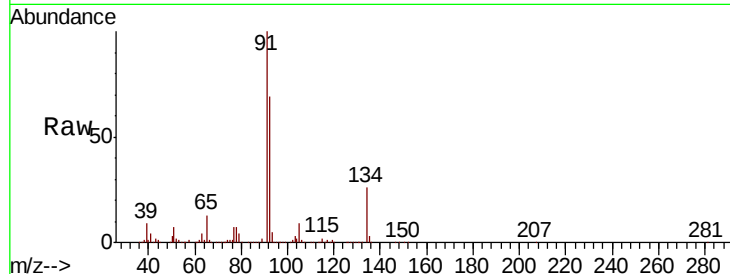
#89
n-Butylbenzene
Concen: 50.068 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	68.9	34.1	102.2
134	26.1	13.9	41.6

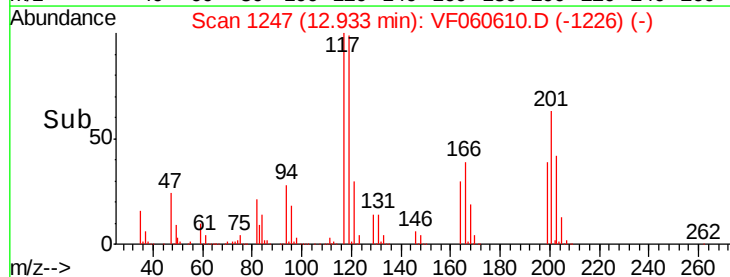
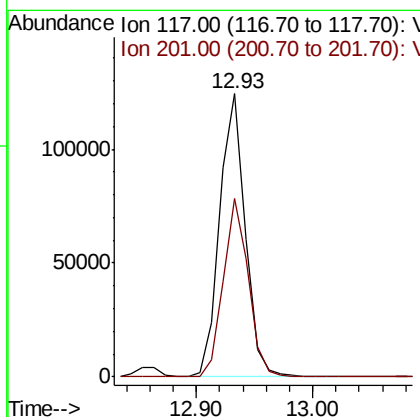
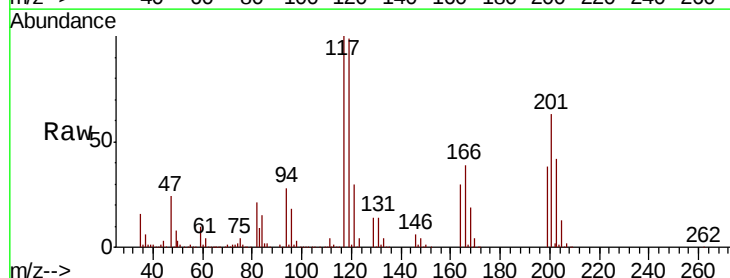
Manual Integrations
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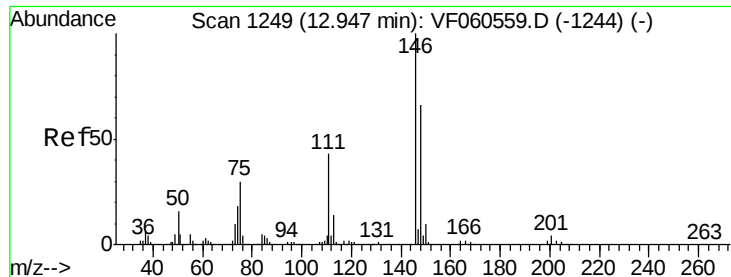
apatel
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#90
Hexachloroethane
Concen: 46.539 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.1	35.2	105.6





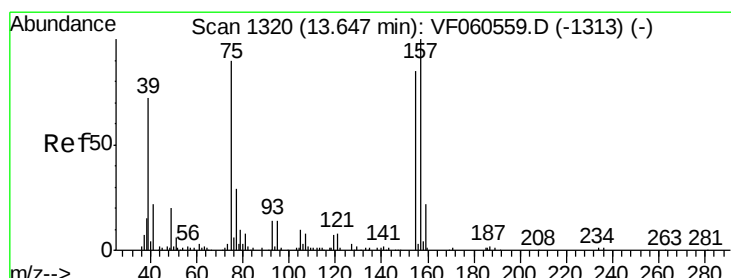
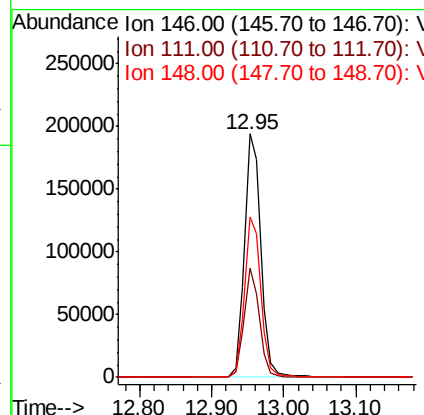
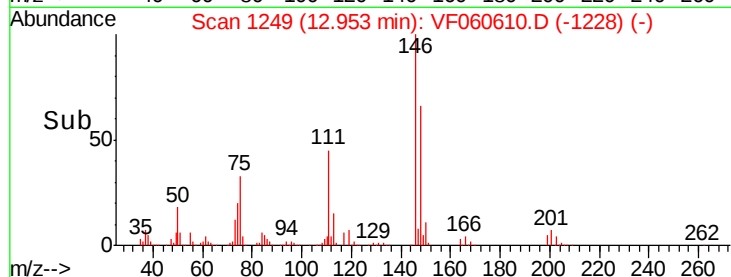
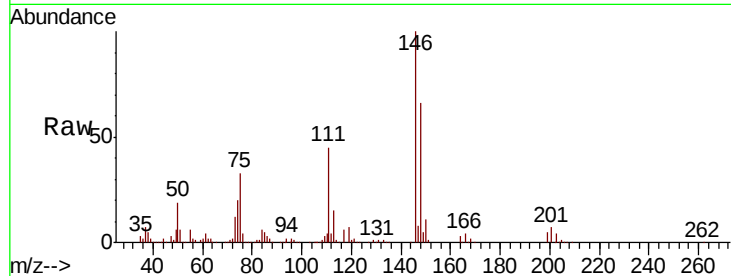
#91
 1,2-Dichlorobenzene
 Concen: 46.149 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.3	64.0
148	65.7	32.9	98.7

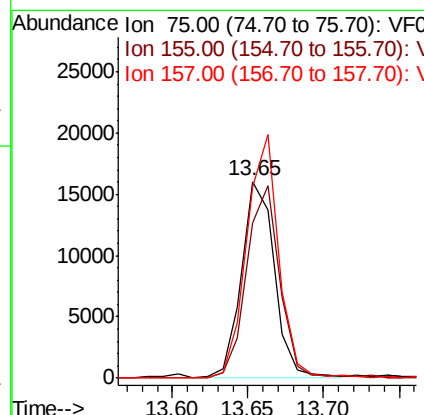
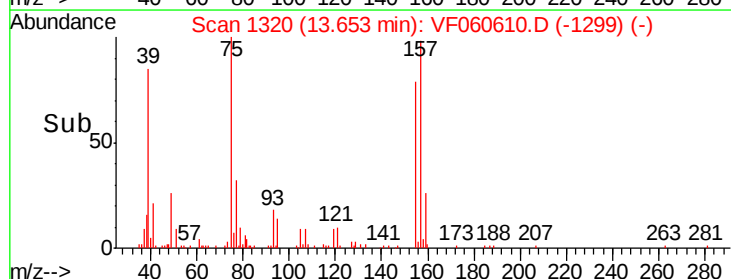
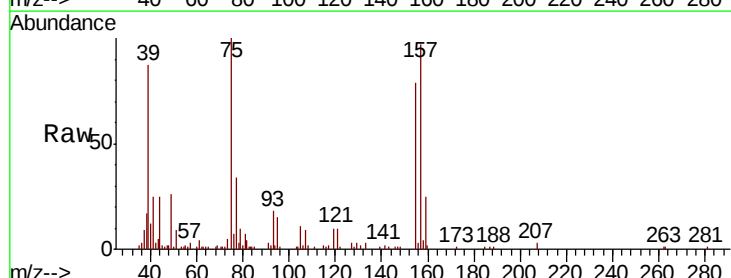
Manual Integrations
 APPROVED

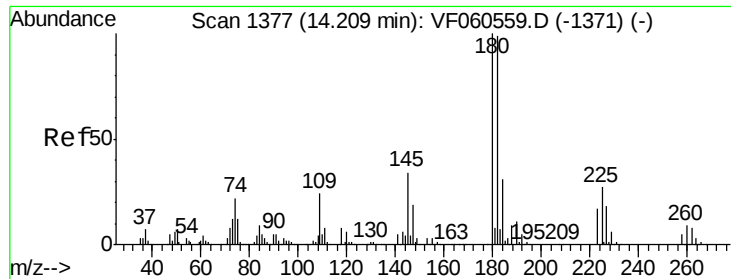
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.280 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	47.3	141.8
157	97.2	55.3	165.9





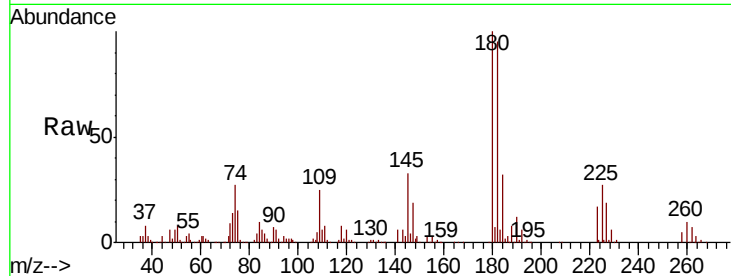
#93
 1,2,4-Trichlorobenzene
 Concen: 47.388 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216479		
182	94.7	49.7	149.1	
145	33.2	16.9	50.7	

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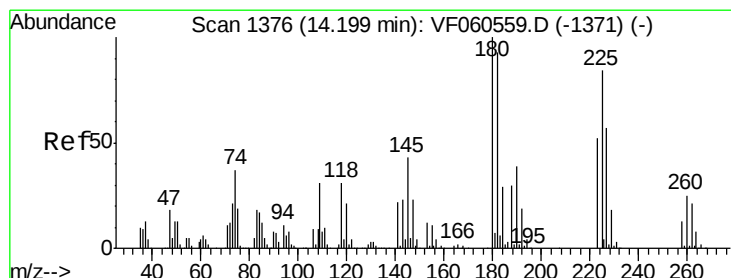
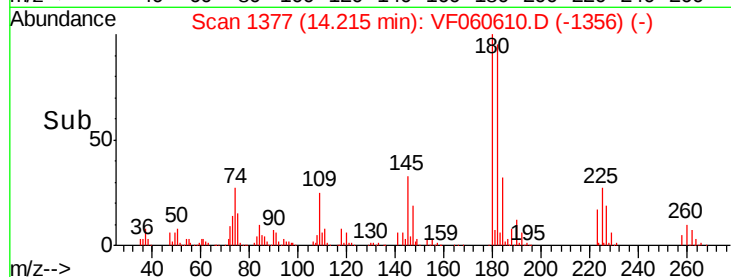
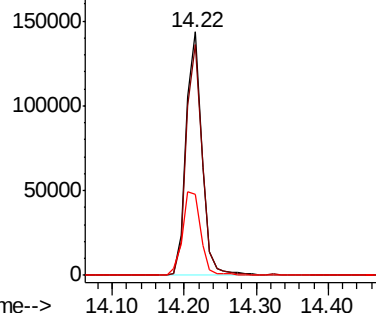


Abundance

Ion 180.00 (179.70 to 180.70): V

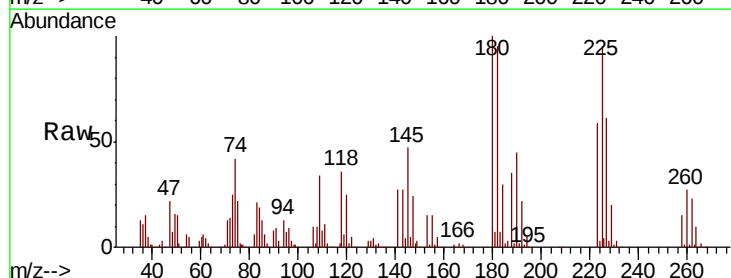
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 47.495 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF060610.D
 Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	140593		
223	62.3	30.9	92.5	
227	64.2	33.9	101.6	

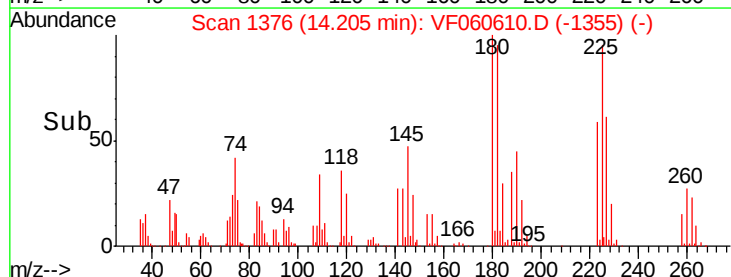
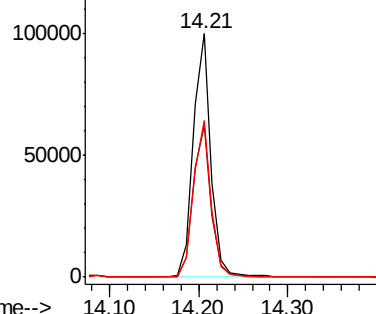


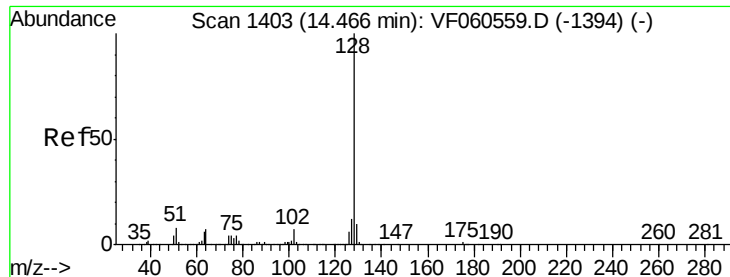
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





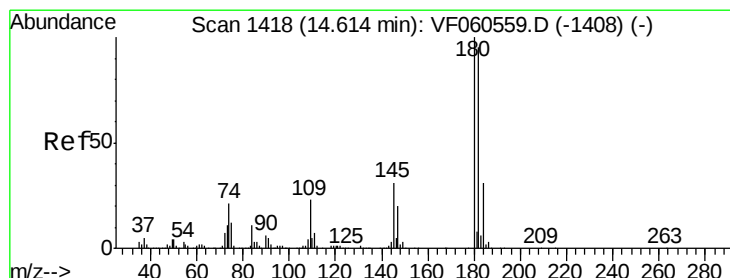
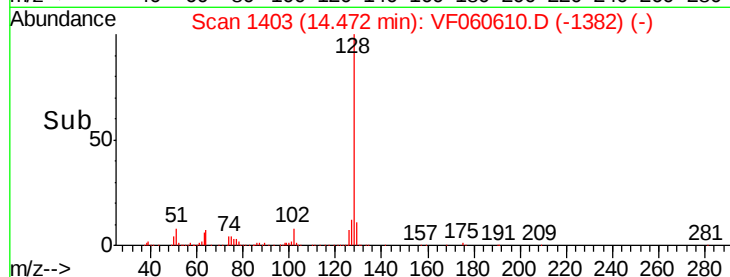
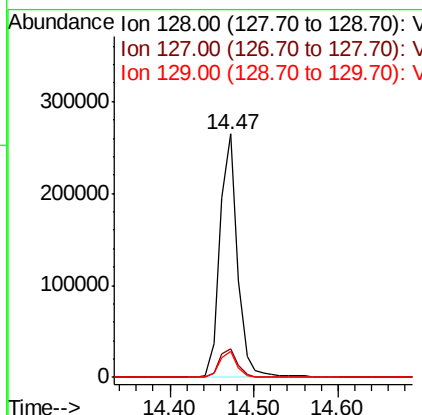
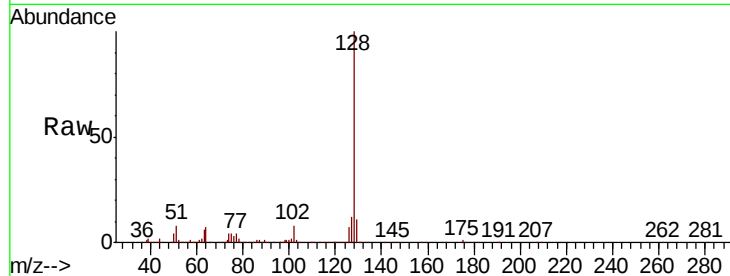
#95
Naphthalene
Concen: 42.175 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.4	14.0
129	10.8	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.324 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF060610.D
Acq: 6 Nov 2018 12:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.3	142.0
145	33.0	15.6	46.8

