

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061100.D
 Acq On : 20 Dec 2018 11:05
 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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 12/21/2018 12:22:55 PM

Quant Time: Dec 21 06:52:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	241499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	408741	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	374833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	174984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	140026	45.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.16%	
35) Dibromofluoromethane	4.11	113	158511	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
50) Toluene-d8	7.55	98	466886	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.41	95	201657	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	228196	42.507	ug/l	100
3) Chloromethane	1.10	50	154914	50.377	ug/l	96
4) Vinyl Chloride	1.14	62	145431	50.981	ug/l	88
5) Bromomethane	1.33	94	95994	48.516	ug/l	92
6) Chloroethane	1.39	64	63520	48.325	ug/l	95
7) Trichlorofluoromethane	1.48	101	240001	44.063	ug/l	99
8) Diethyl Ether	1.63	74	35751	47.932	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	125298	44.368	ug/l	97
10) Methyl Iodide	1.90	142	204681m	45.979	ug/l	
11) Tert butyl alcohol	2.56	59	24650	196.660	ug/l	96
12) 1,1-Dichloroethene	1.79	96	101888	47.862	ug/l	89
13) Acrolein	2.01	56	19043m	210.251	ug/l	
14) Allyl chloride	2.10	41	136659	61.687	ug/l	85
15) Acrylonitrile	2.94	53	69212	238.791	ug/l	96
16) Acetone	2.23	43	150521	242.407	ug/l #	90
17) Carbon Disulfide	1.83	76	318299m	49.477	ug/l	
18) Methyl Acetate	2.34	43	57744	44.948	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	204450	43.268	ug/l	98
20) Methylene Chloride	2.24	84	102157m	51.631	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	107304	47.128	ug/l	94
22) Diisopropyl ether	2.80	45	361869	49.038	ug/l	93
23) Vinyl Acetate	3.18	43	807732	237.267	ug/l	99
24) 1,1-Dichloroethane	2.88	63	207644	47.491	ug/l	99
25) 2-Butanone	4.34	43	232813	231.183	ug/l	97
26) 2,2-Dichloropropane	3.60	77	117331	46.761	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	164877	47.301	ug/l	98
28) Bromochloromethane	3.71	49	102886	46.376	ug/l	91
29) Tetrahydrofuran	4.07	42	91738	223.817	ug/l	97
30) Chloroform	3.86	83	282487	43.089	ug/l	100
31) Cyclohexane	3.69	56	235584	51.925	ug/l	89
32) 1,1,1-Trichloroethane	4.09	97	199291	50.717	ug/l	92
36) 1,1-Dichloropropene	4.28	75	228967	46.408	ug/l	98
37) Ethyl Acetate	4.12	43	89095	45.744	ug/l	97
38) Carbon Tetrachloride	3.99	117	181264	48.243	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	249790	56.434	ug/l	95
40) Benzene	4.63	78	507155	47.799	ug/l	96
41) Methacrylonitrile	4.74	41	46798	44.913	ug/l	95
42) 1,2-Dichloroethane	4.95	62	164188	40.735	ug/l	98
43) Isopropyl Acetate	6.96	43	104480	43.857	ug/l	97
44) Trichloroethene	5.50	130	155555	46.502	ug/l	97
45) 1,2-Dichloropropane	6.24	63	133579	46.274	ug/l	98
46) Dibromomethane	6.08	93	83690	44.700	ug/l	89
47) Bromodichloromethane	6.39	83	210502	43.272	ug/l	98
48) Methyl methacrylate	6.72	41	76494	45.995	ug/l	93
49) 1,4-Dioxane	6.71	88	10290	852.717	ug/l #	74
51) 4-Methyl-2-Pentanone	8.26	43	357267	218.670	ug/l	100
52) Toluene	7.62	92	327077	46.570	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	169736	43.252	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	223119	45.300	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	92240	43.809	ug/l	96
56) Ethyl methacrylate	8.62	69	105885	46.475	ug/l	96
57) 1,3-Dichloropropane	8.85	76	170992	44.903	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	103363	236.223	ug/l	96
59) 2-Hexanone	9.49	43	265777	224.941	ug/l	98
60) Dibromochloromethane	8.72	129	131119	43.443	ug/l	96
61) 1,2-Dibromoethane	8.99	107	97559	43.386	ug/l	96
64) Tetrachloroethene	8.15	164	130903	45.398	ug/l	94
65) Chlorobenzene	9.80	112	354021	45.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	135175	42.717	ug/l	98
67) Ethyl Benzene	9.90	91	636173	45.095	ug/l	98
68) m/p-Xylenes	10.14	106	453151	91.275	ug/l	91
69) o-Xylene	10.72	106	252306	45.822	ug/l	89
70) Styrene	10.79	104	352051	52.738	ug/l	98
71) Bromoform	10.78	173	64890	44.323	ug/l #	96
73) Isopropylbenzene	11.12	105	696191	46.169	ug/l	99
74) N-amyl acetate	11.37	43	169773	50.711	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	120439	48.124	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	81307	43.655	ug/l	97
77) Bromobenzene	11.50	156	153663	47.338	ug/l	90
78) n-propylbenzene	11.60	91	827447	47.090	ug/l	99
79) 2-Chlorotoluene	11.72	91	482282	46.623	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	546083	43.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	40074m	50.072	ug/l	
82) 4-Chlorotoluene	11.90	91	477301	44.603	ug/l	100
83) tert-Butylbenzene	12.13	119	569861	44.600	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	559143	45.157	ug/l	98
85) sec-Butylbenzene	12.31	105	805461	48.306	ug/l	99
86) p-Isopropyltoluene	12.46	119	652297	47.130	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	279320	53.056	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	268243	45.003	ug/l	98
89) n-Butylbenzene	12.85	91	665751	46.945	ug/l	98
90) Hexachloroethane	12.92	117	163321	47.762	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	254361	43.832	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	20828	45.352	ug/l	76

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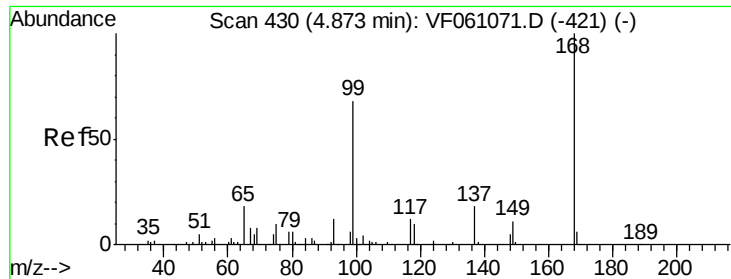
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	182885	44.438	ug/l	96
94) Hexachlorobutadiene	14.19	225	123207	47.004	ug/l	93
95) Naphthalene	14.46	128	340648	45.328	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	166207	43.686	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 241499

Ion Ratio Lower Upper

168 100

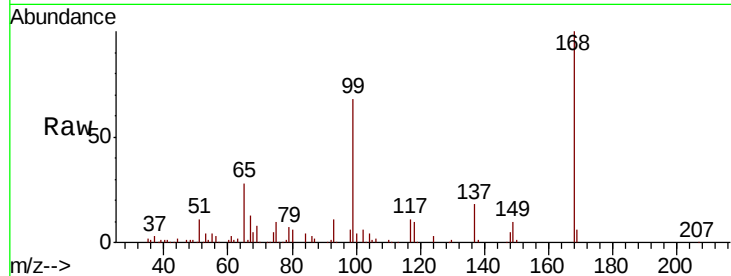
99 68.1 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

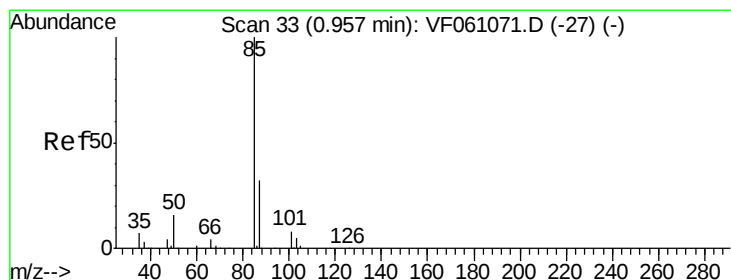
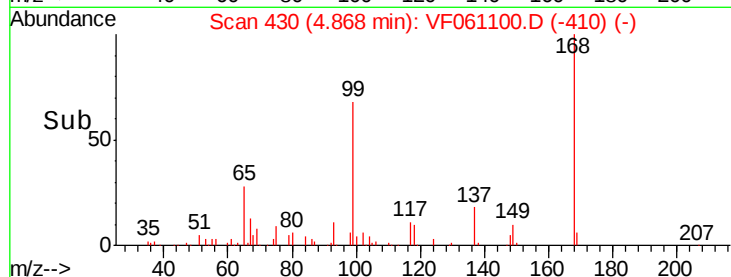
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 42.507 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061100.D

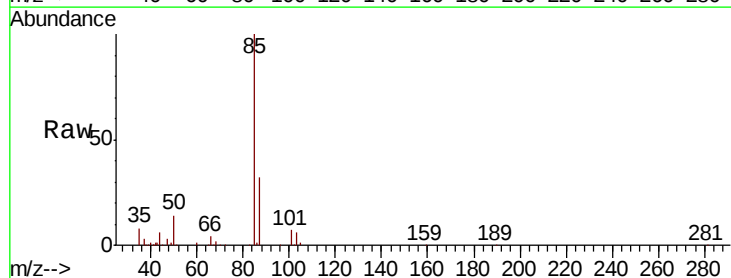
Acq: 20 Dec 2018 11:05

Tgt Ion: 85 Resp: 228196

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

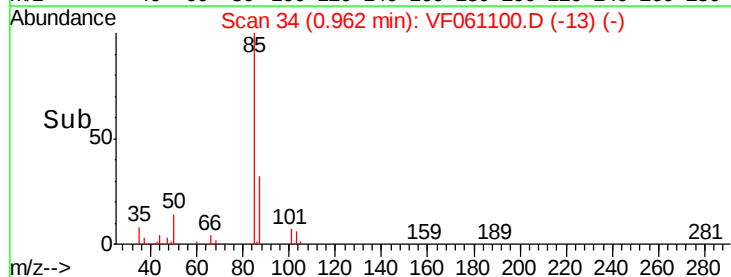
40000

20000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 50.377 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 154914

Ion Ratio Lower Upper

50 100

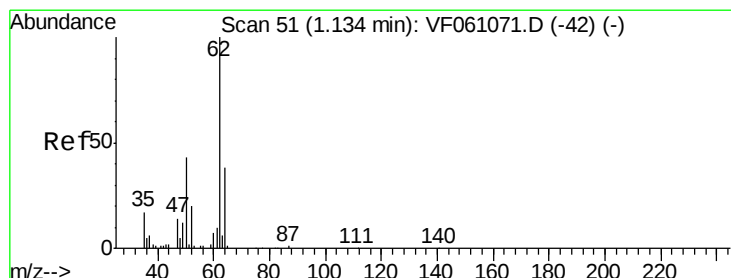
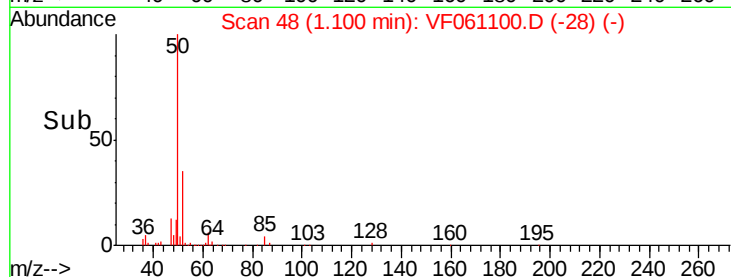
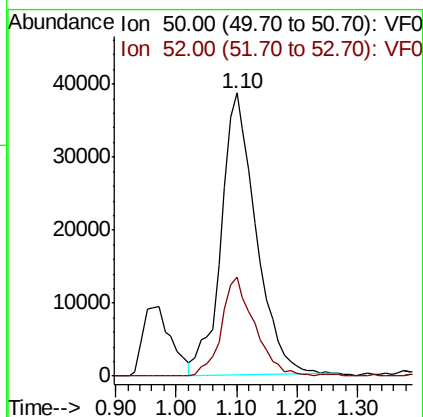
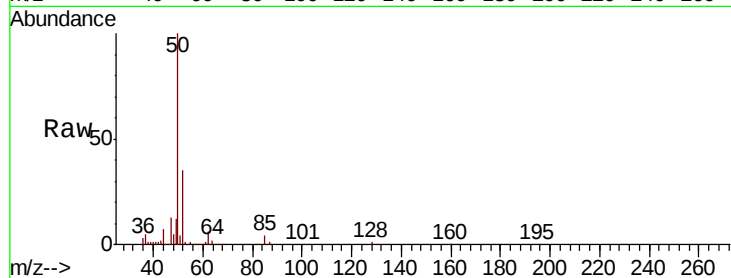
52 35.2 26.3 39.5

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#4

Vinyl Chloride

Concen: 50.981 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061100.D

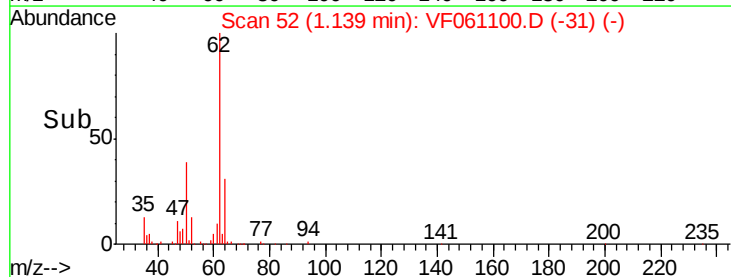
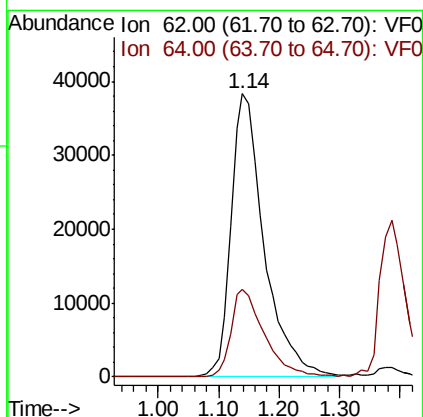
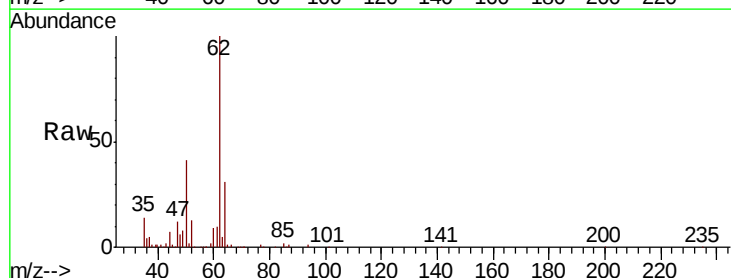
Acq: 20 Dec 2018 11:05

Tgt Ion: 62 Resp: 145431

Ion Ratio Lower Upper

62 100

64 30.8 30.4 45.6





#5

Bromomethane

Concen: 48.516 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 95994

Ion Ratio Lower Upper

94 100

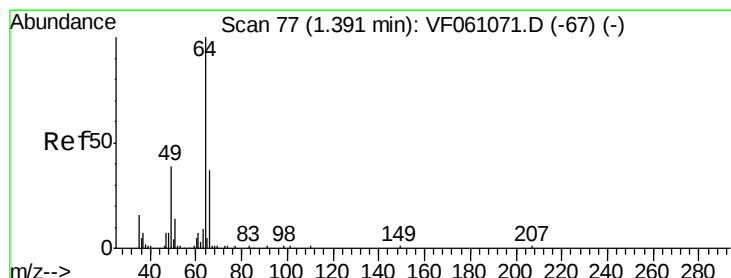
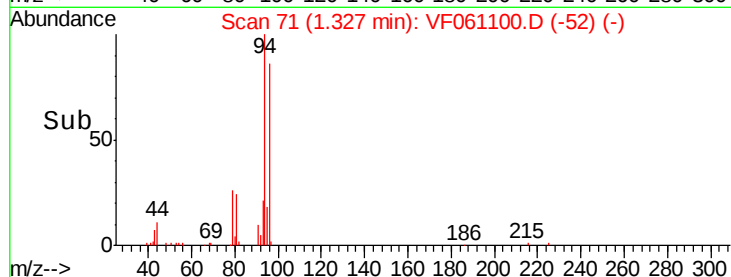
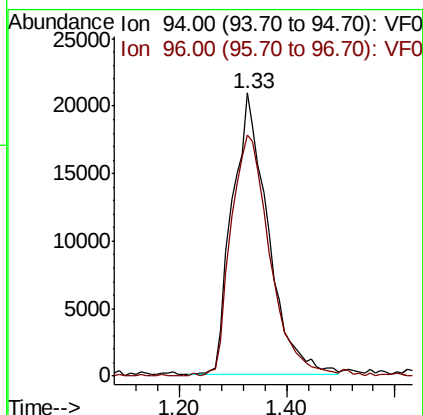
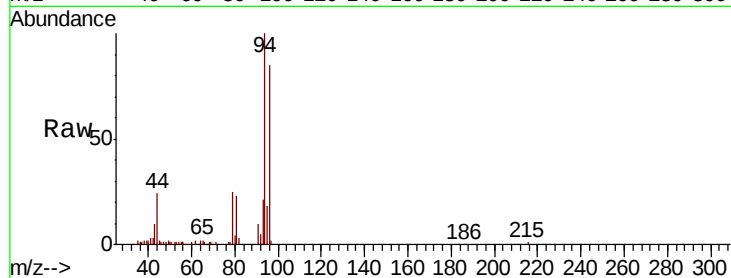
96 85.4 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 48.325 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061100.D

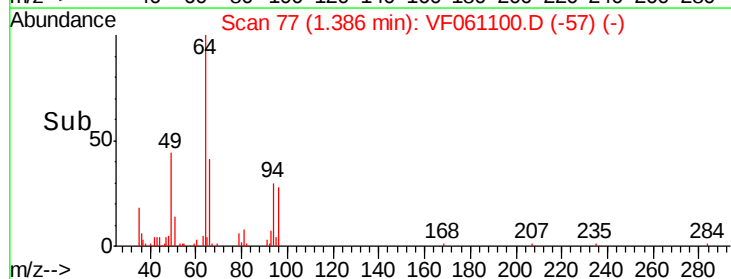
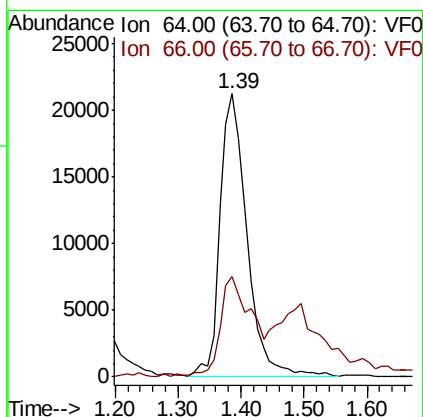
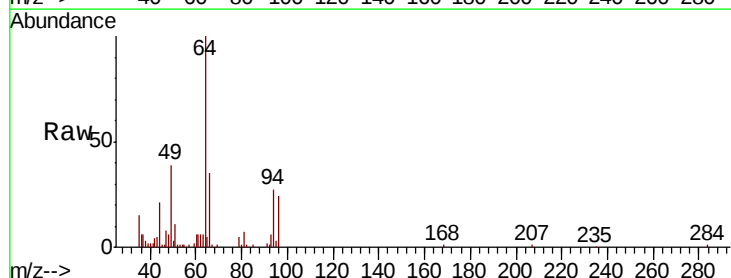
Acq: 20 Dec 2018 11:05

Tgt Ion: 64 Resp: 63520

Ion Ratio Lower Upper

64 100

66 35.4 30.9 46.3





#7

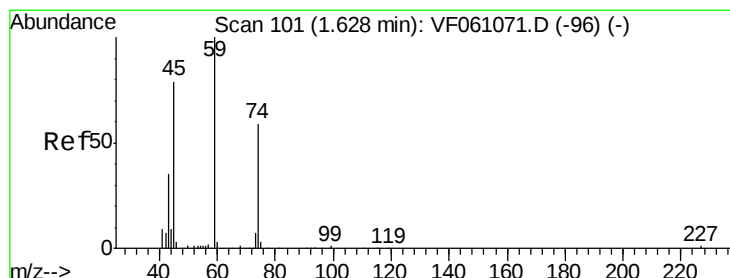
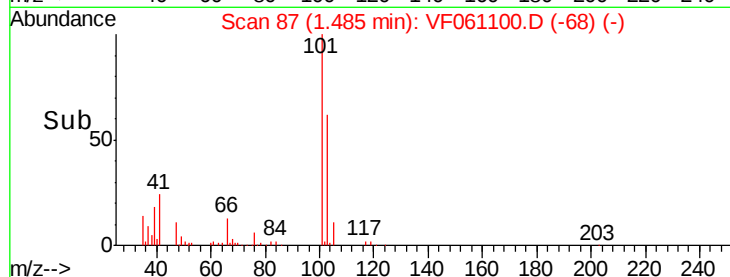
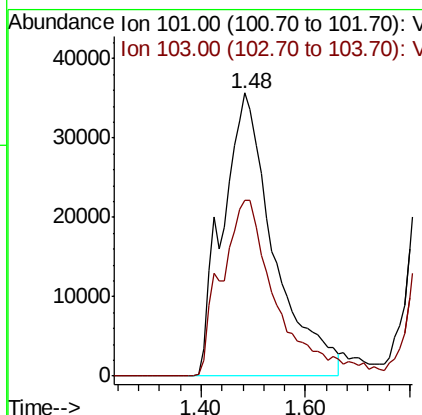
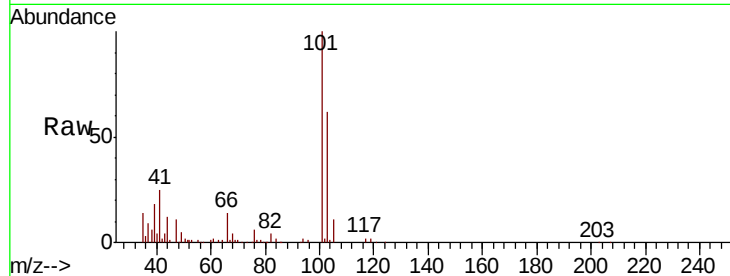
Trichlorofluoromethane
Concen: 44.063 ug/l
RT: 1.48 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

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MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 240001
Ion Ratio Lower Upper
101 100
103 62.2 50.7 76.1

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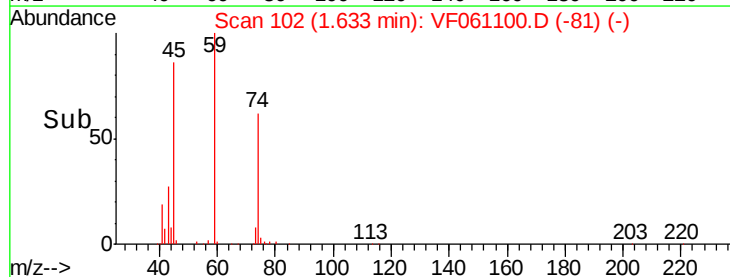
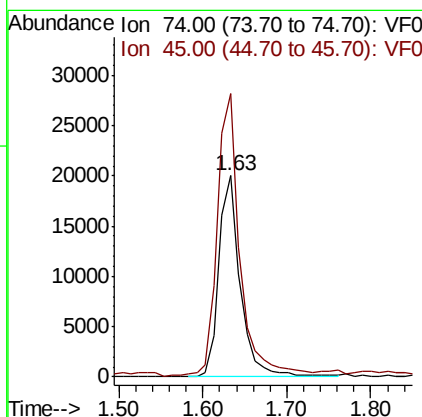
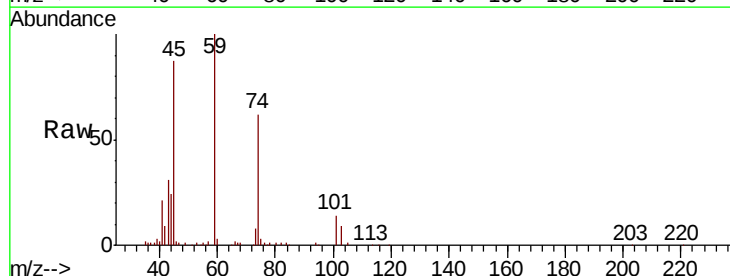
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#8

Diethyl Ether
Concen: 47.932 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion: 74 Resp: 35751
Ion Ratio Lower Upper
74 100
45 140.7 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.368 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

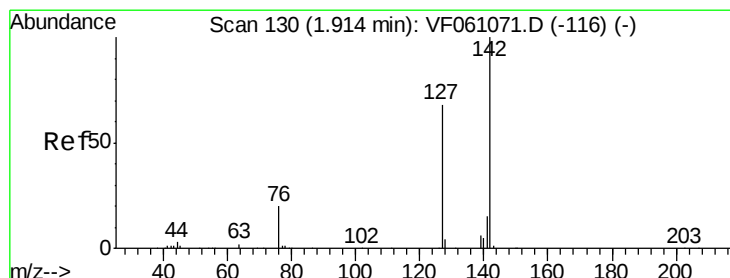
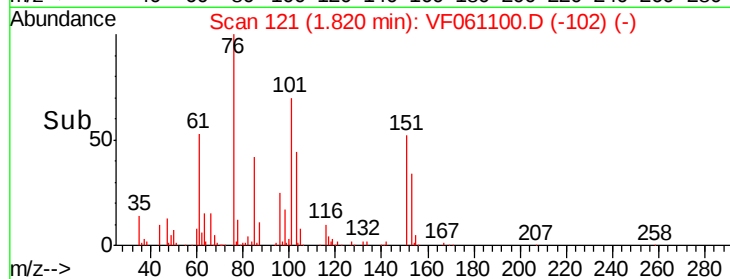
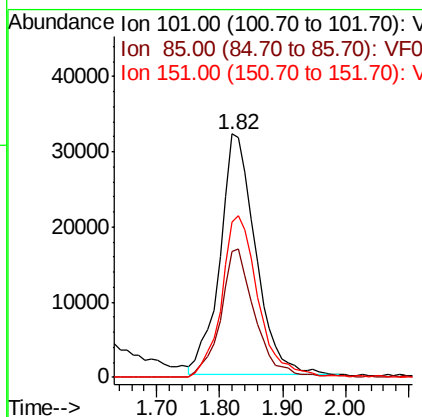
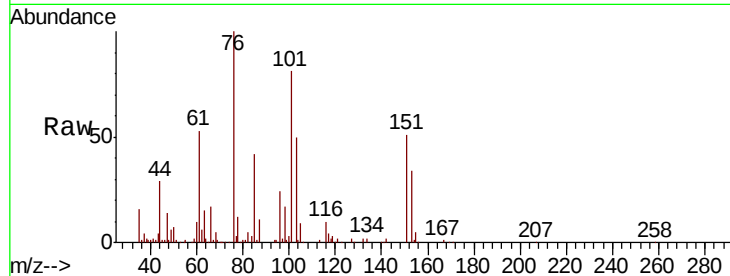
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	125298
Ion Ratio	Lower	Upper	
101	100		
85	51.7	44.5	66.7
151	63.5	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 45.979 ug/l m

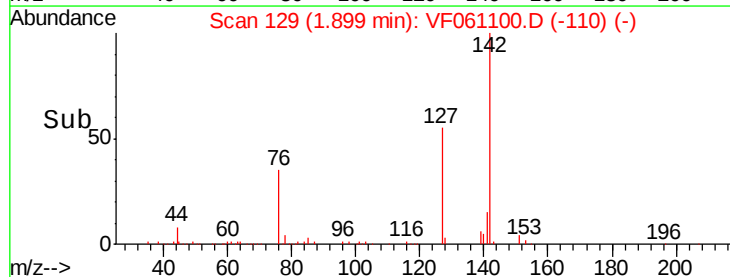
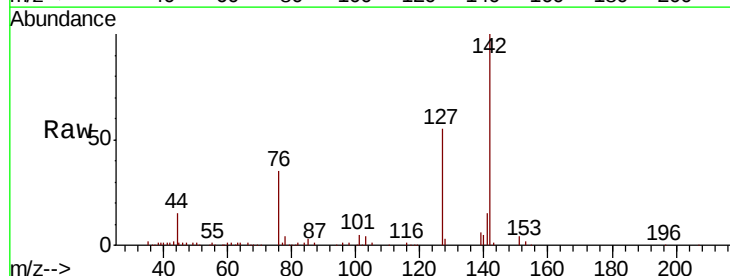
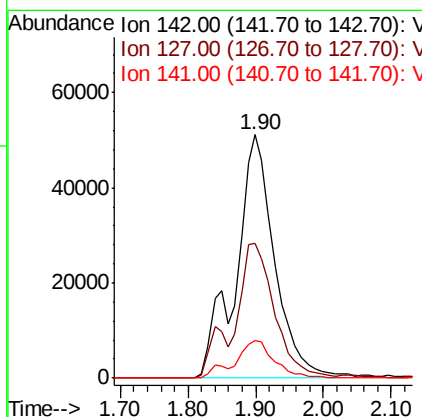
RT: 1.90 min Scan# 129

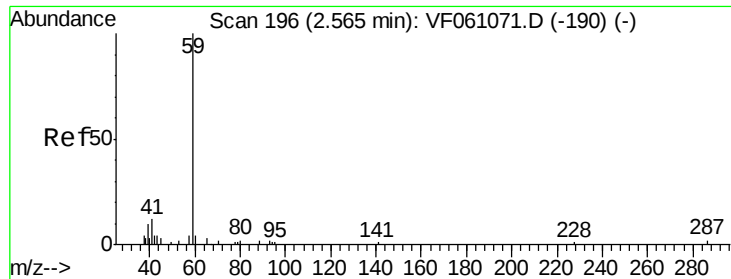
Delta R.T. -0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	142	Resp:	204681
Ion Ratio	Lower	Upper	
142	100		
127	55.3	54.7	82.1
141	15.2	12.2	18.2





#11

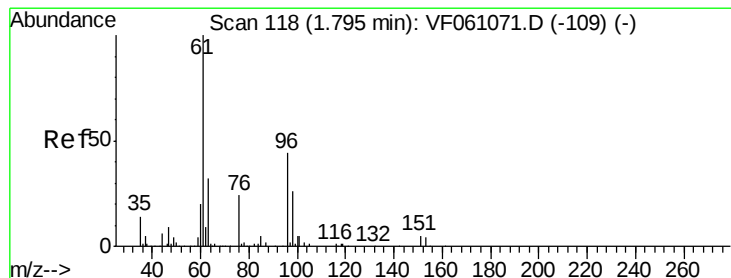
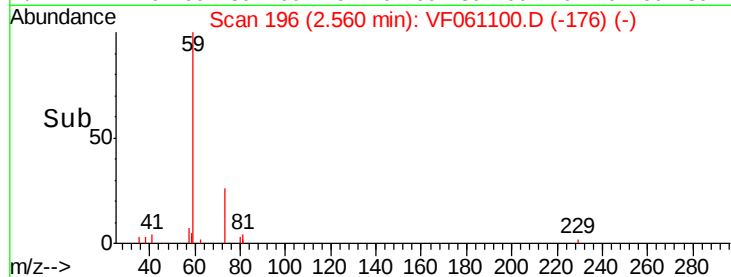
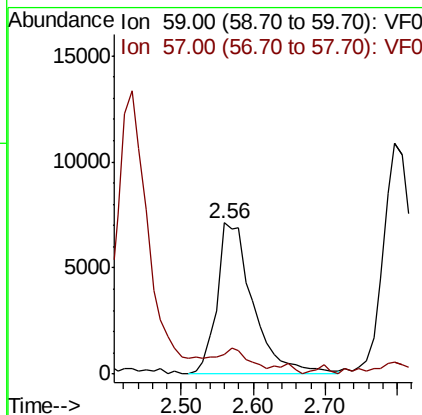
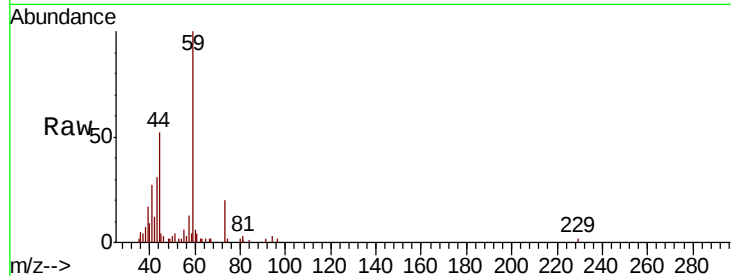
Tert butyl alcohol
 Concen: 196.660 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	24650
Ion Ratio	100	Lower	Upper
57	12.9	11.5	17.3

Manual Integrations
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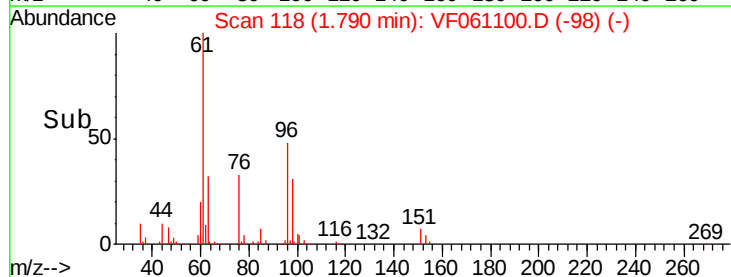
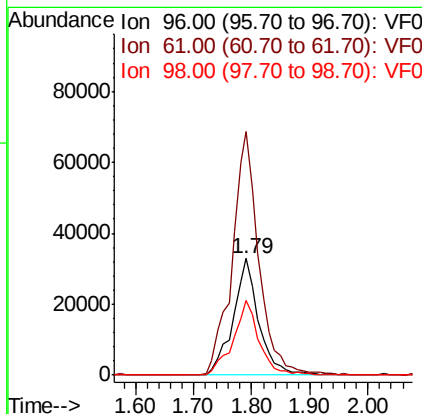
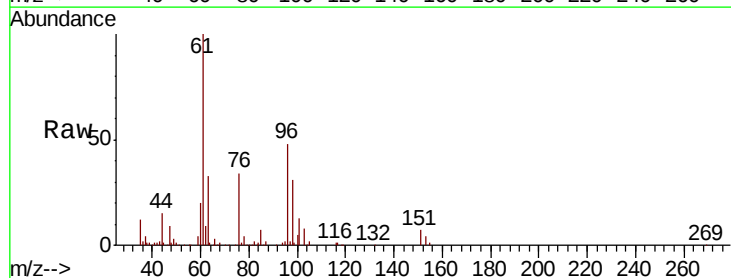
apatel
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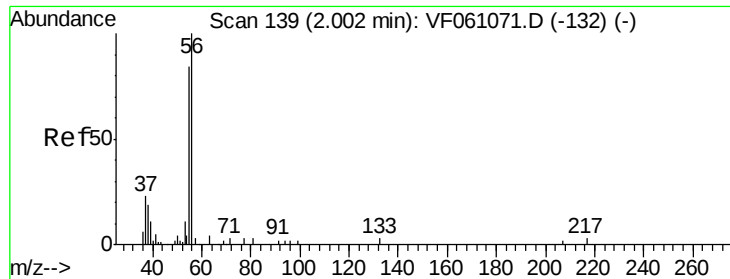


#12

1,1-Dichloroethene
 Concen: 47.862 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	96	Resp	101888
Ion Ratio	100	Lower	Upper
61	208.8	182.0	273.0
98	63.7	46.5	69.7





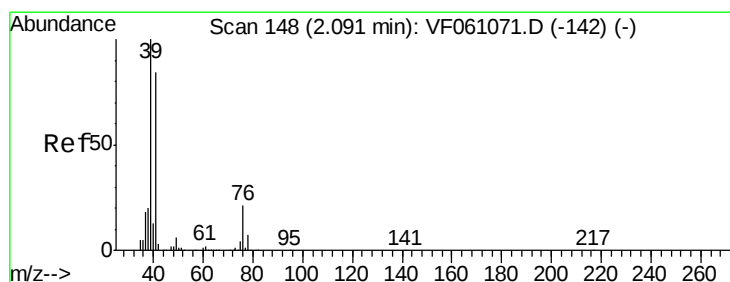
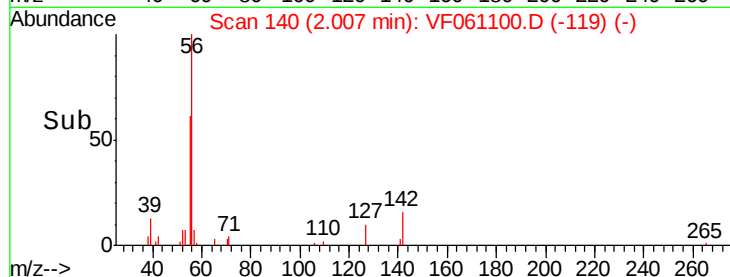
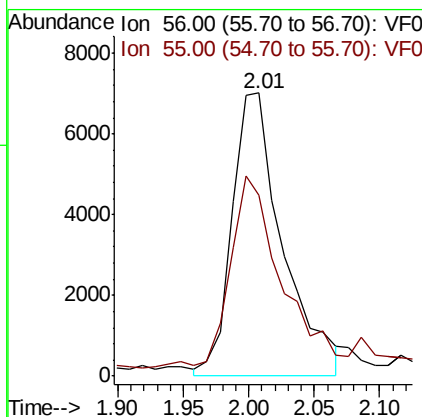
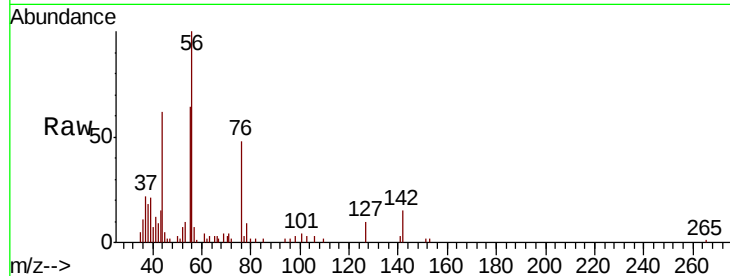
#13
Acrolein
Concen: 210.251 ug/l m
RT: 2.01 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	19043
Ion Ratio	100	Lower	Upper
55	63.8	70.2	105.2#

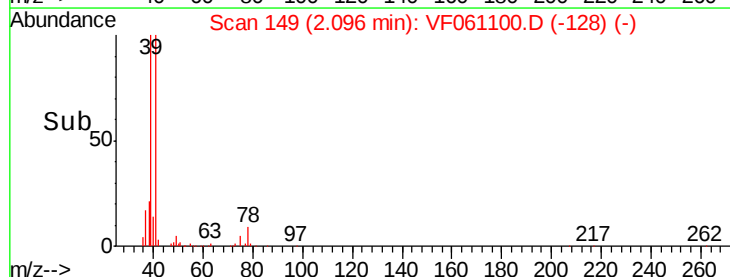
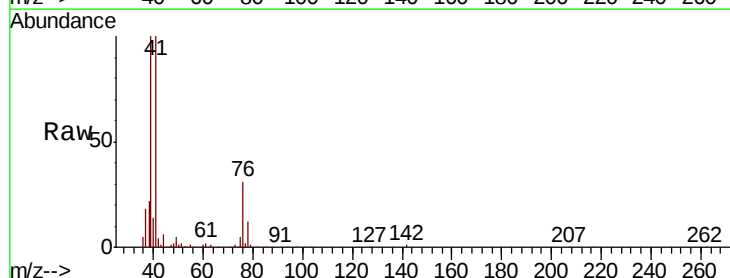
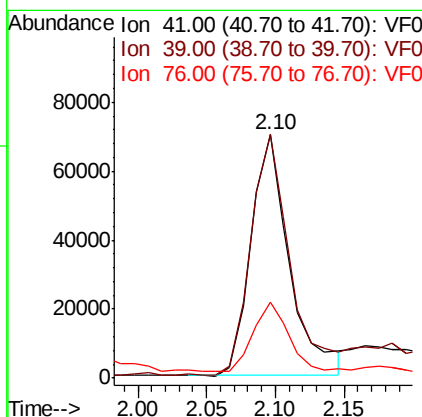
Manual Integrations
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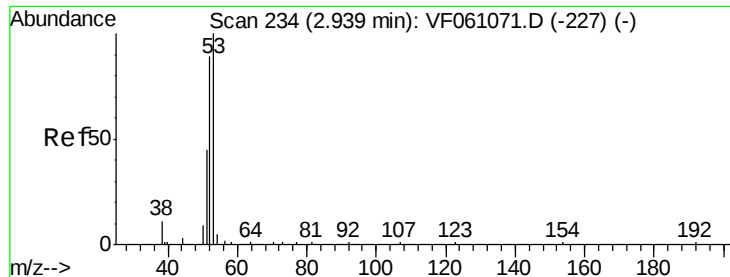
apatel
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#14
Allyl chloride
Concen: 61.687 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	41	Resp	136659
Ion Ratio	100	Lower	Upper
39	100.0	96.4	144.6
76	31.2	25.4	38.0





#15

Acrylonitrile

Concen: 238.791 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

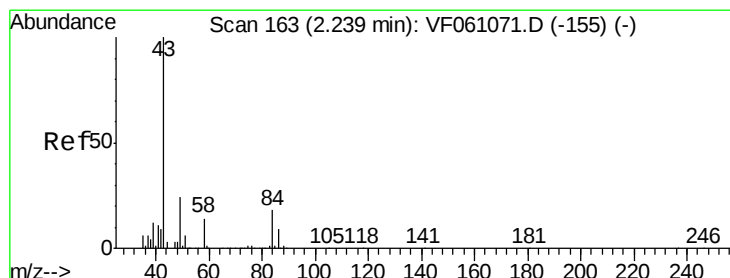
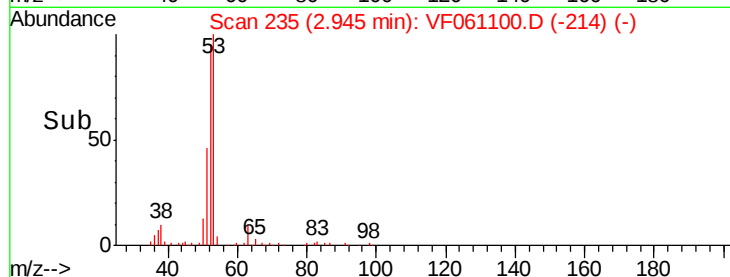
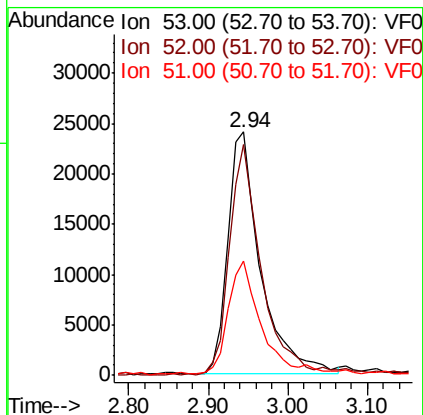
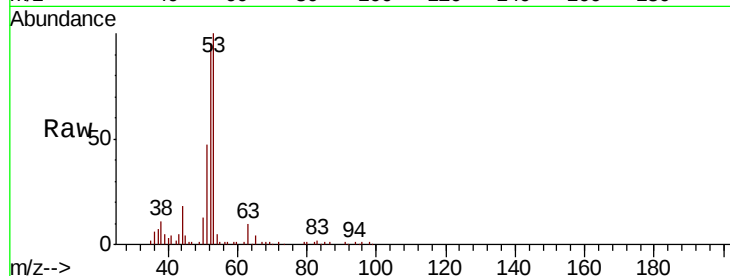
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	69212
Ion	Ratio	Lower	Upper
53	100		
52	94.7	71.3	106.9
51	46.7	36.8	55.2

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#16

Acetone

Concen: 242.407 ug/l

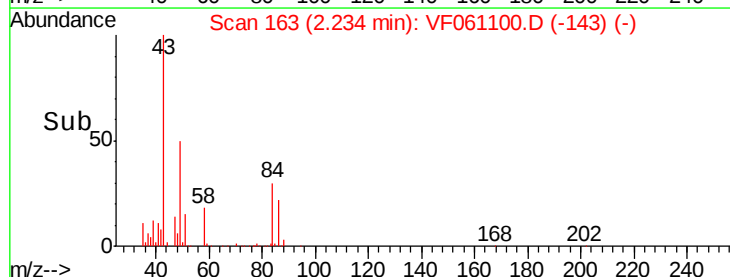
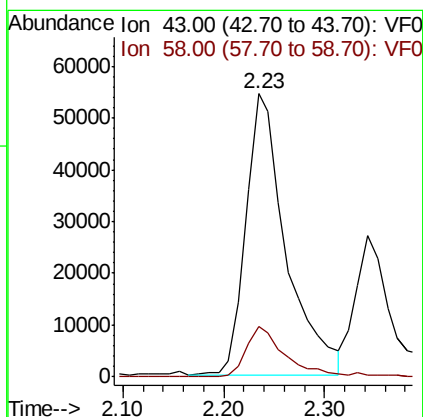
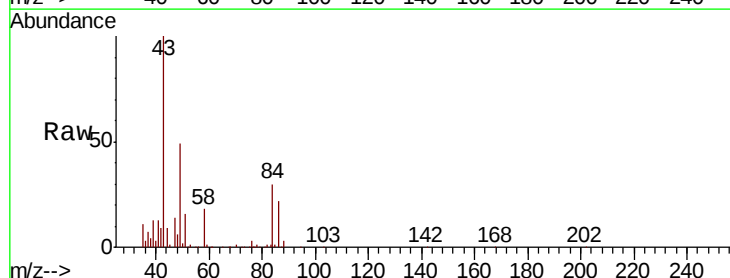
RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	43	Resp:	150521
Ion	Ratio	Lower	Upper
43	100		
58	18.0	11.1	16.7#





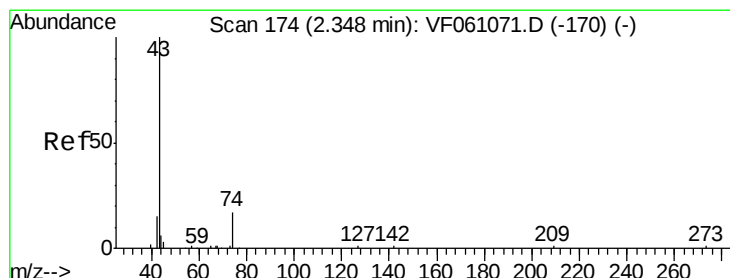
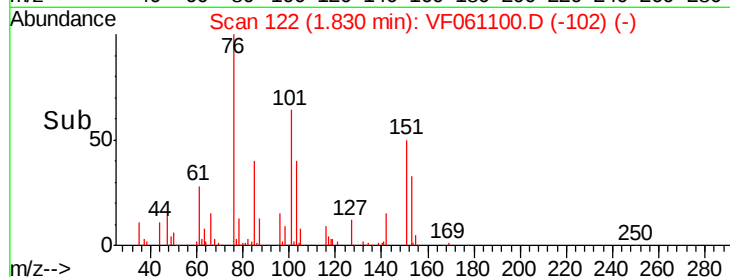
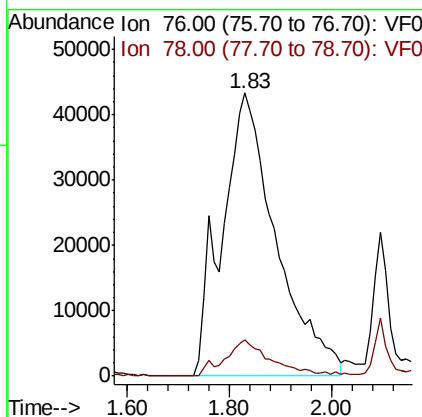
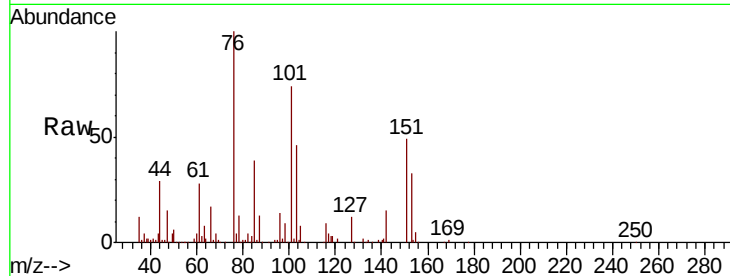
#17
Carbon Disulfide
Concen: 49.477 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.0	10.2	15.4

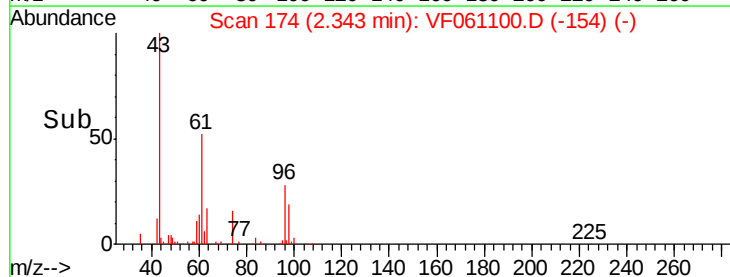
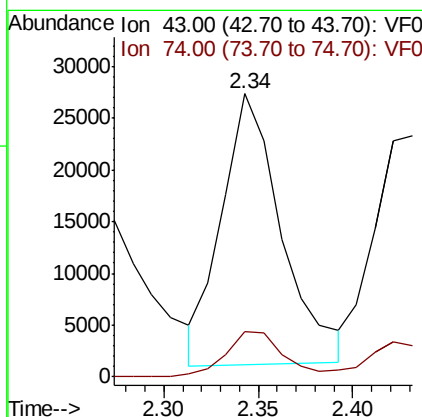
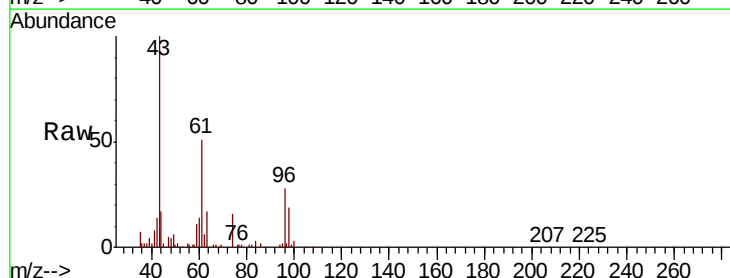
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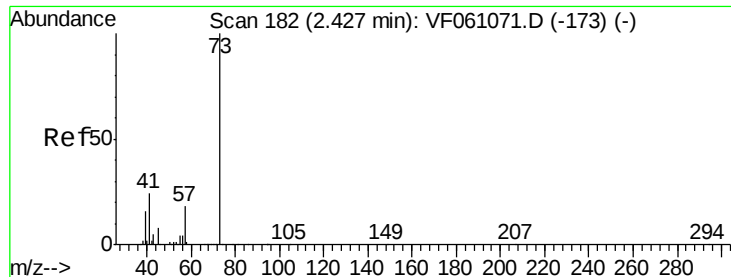
apatel
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#18
Methyl Acetate
Concen: 44.948 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.9	11.0	16.6





#19

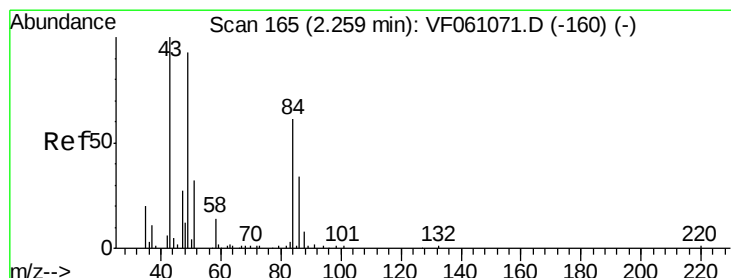
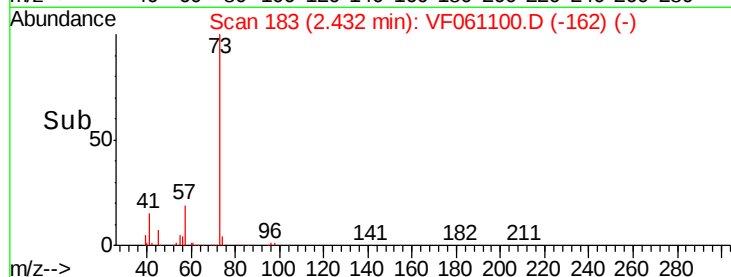
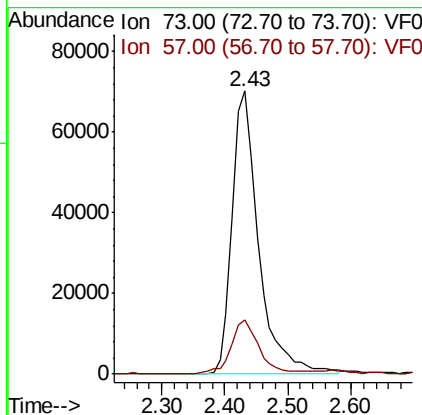
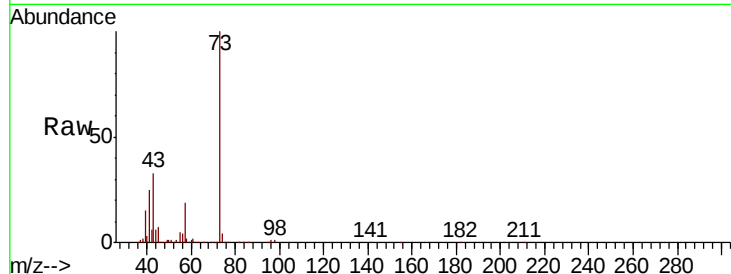
Methyl tert-butyl Ether
 Concen: 43.268 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.0	14.5	21.7

Manual Integrations
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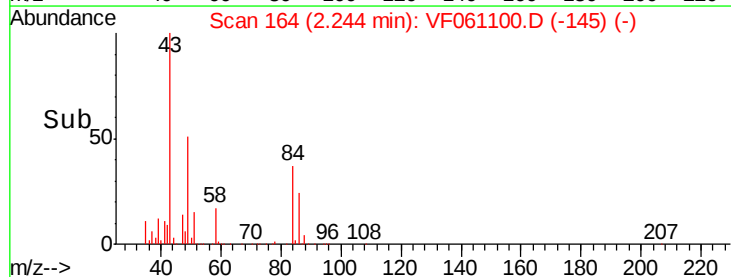
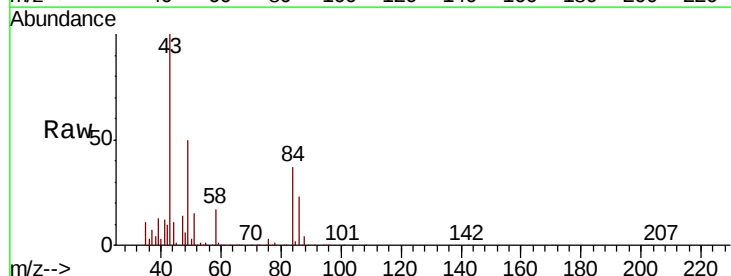
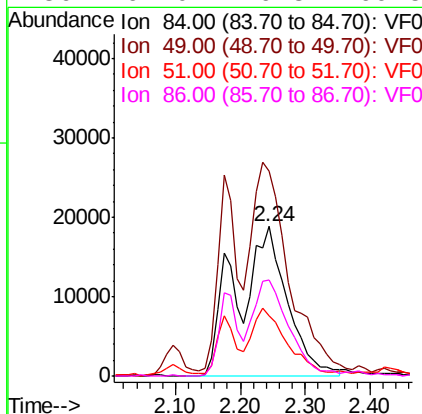
apatel
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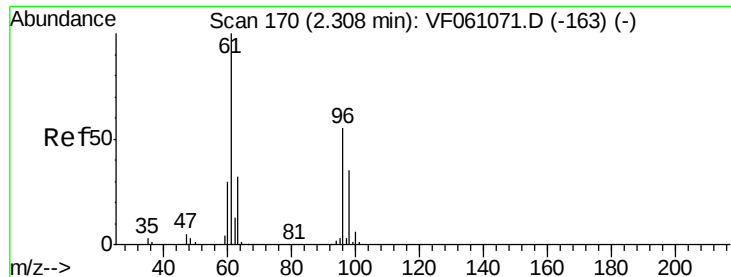


#20

Methylene Chloride
 Concen: 51.631 ug/l m
 RT: 2.24 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.6	129.4	194.2
51	40.6	44.0	66.0#
86	64.0	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 47.128 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

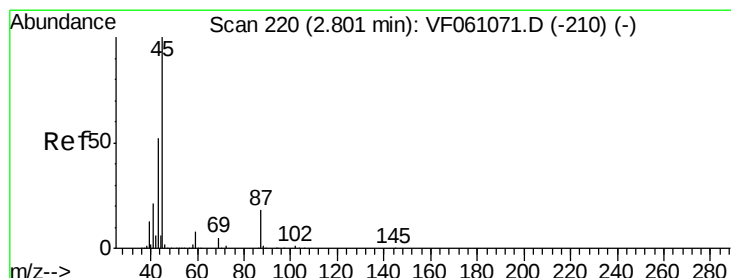
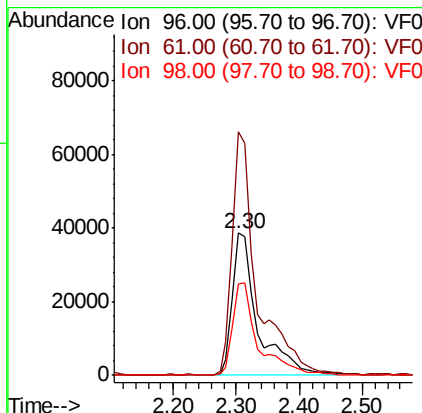
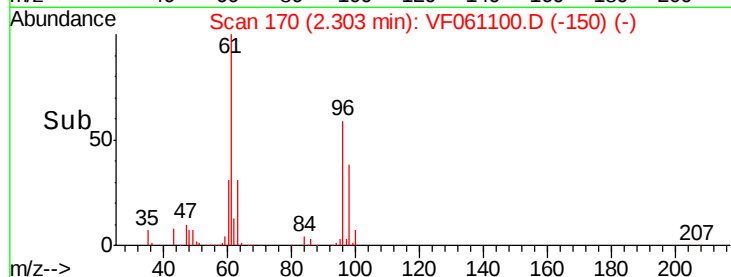
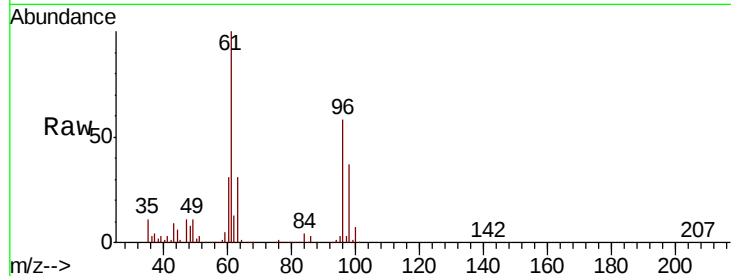
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	107304
Ion	Ratio	Lower	Upper
96	100		
61	171.5	146.0	219.0
98	64.1	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.038 ug/l

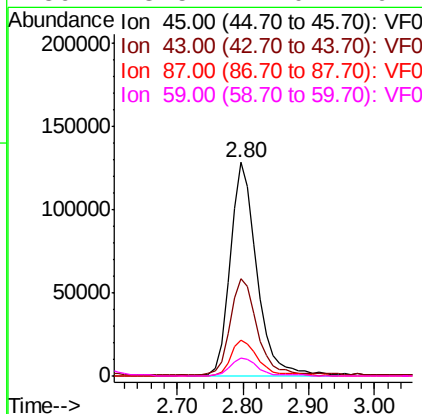
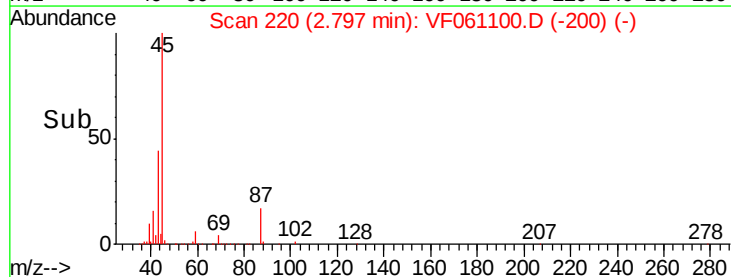
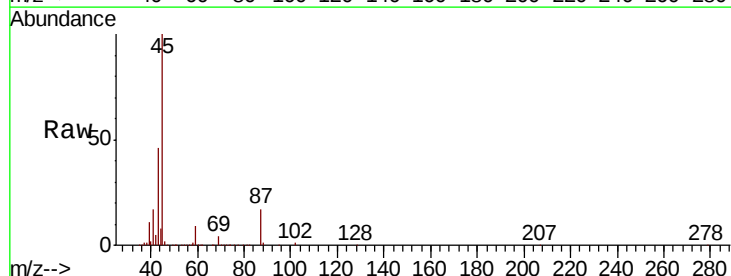
RT: 2.80 min Scan# 220

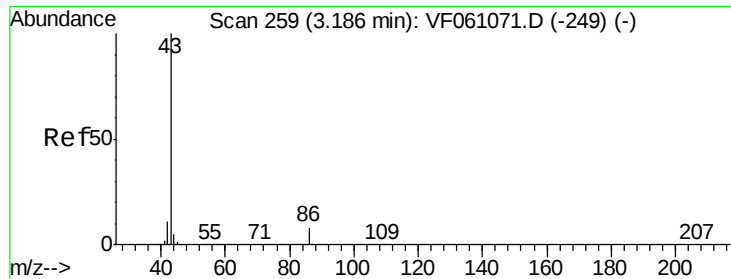
Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	45	Resp:	361869
Ion	Ratio	Lower	Upper
45	100		
43	45.7	42.2	63.2
87	16.8	14.6	22.0
59	8.5	7.0	10.4





#23

Vinyl Acetate

Concen: 237.267 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 807732

Ion Ratio Lower Upper

43 100

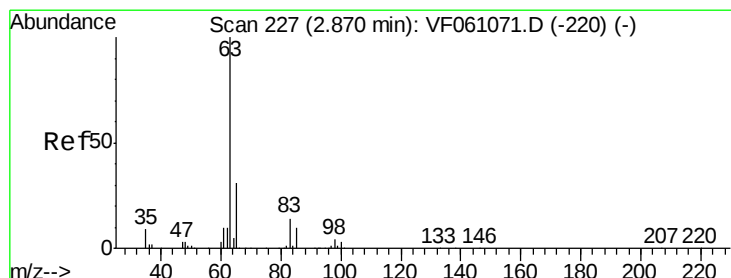
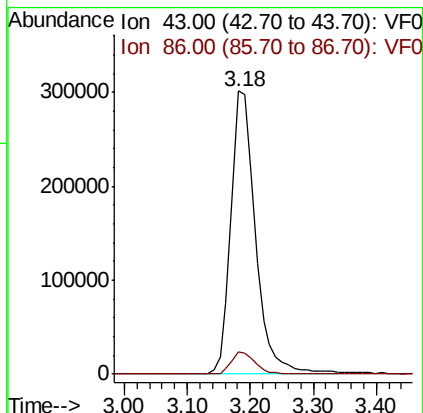
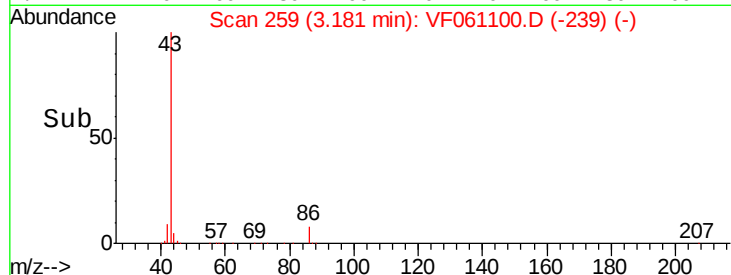
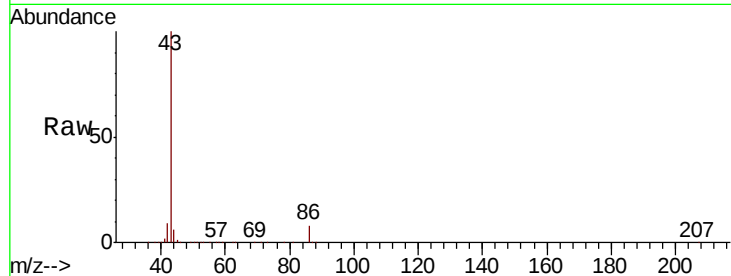
86 7.7 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.491 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

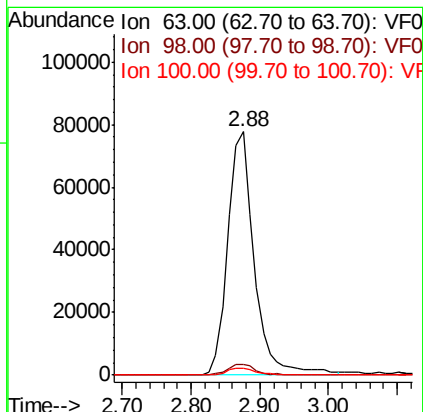
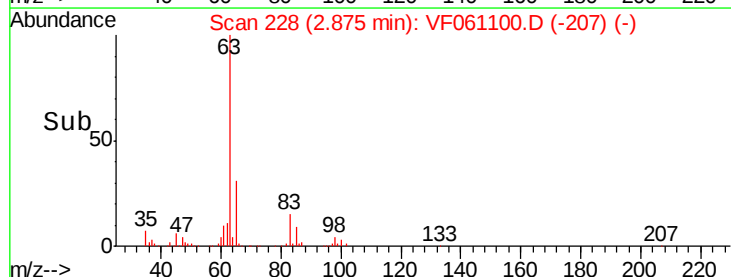
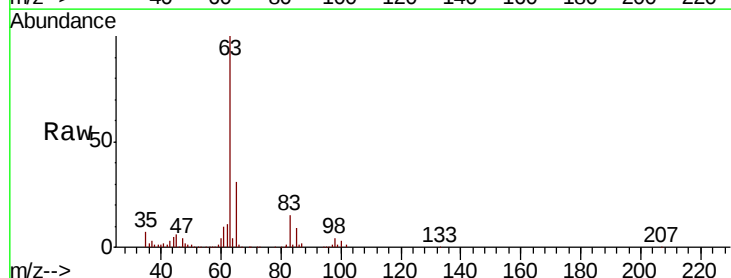
Tgt Ion: 63 Resp: 207644

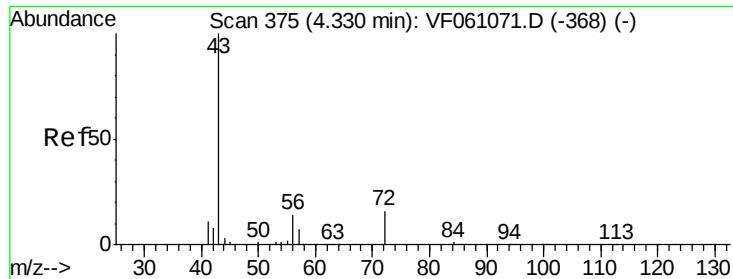
Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

100 2.8 1.7 5.1





#25

2-Butanone

Concen: 231.183 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 232813

Ion Ratio Lower Upper

43 100

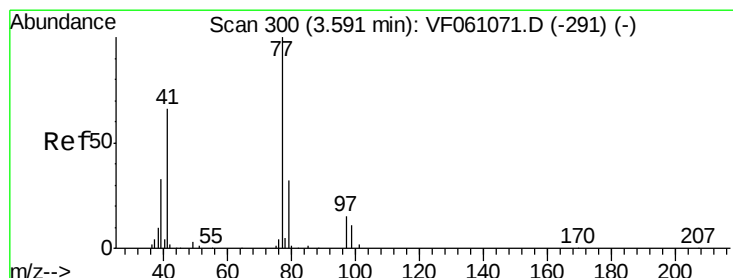
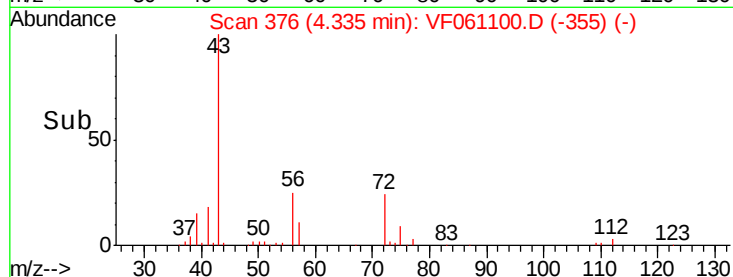
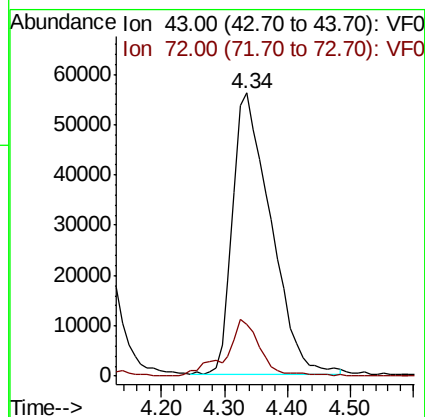
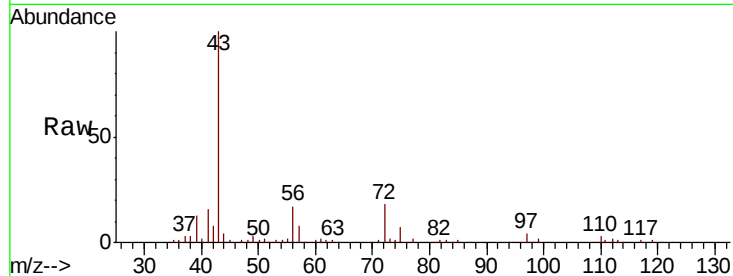
72 18.2 15.6 23.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.761 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061100.D

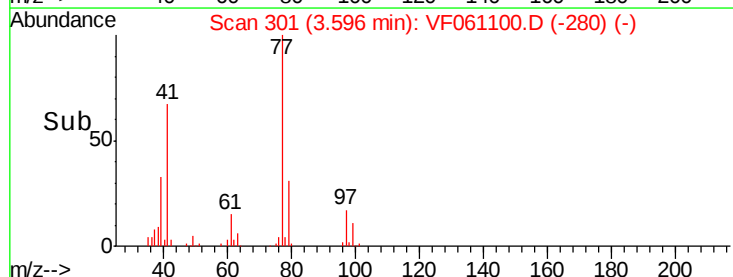
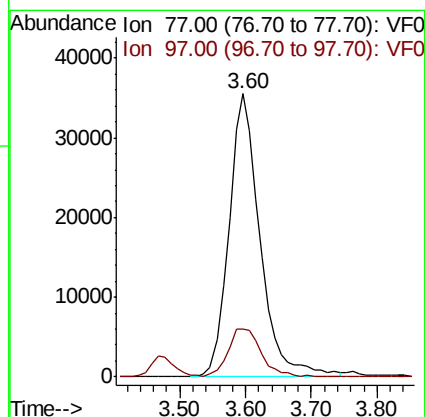
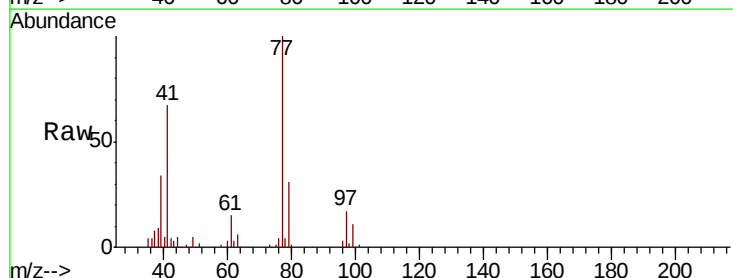
Acq: 20 Dec 2018 11:05

Tgt Ion: 77 Resp: 117331

Ion Ratio Lower Upper

77 100

97 16.7 8.2 24.4





#27

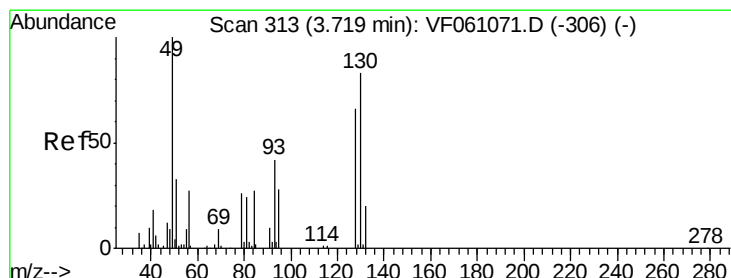
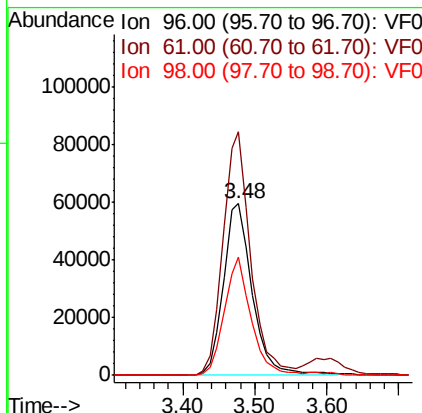
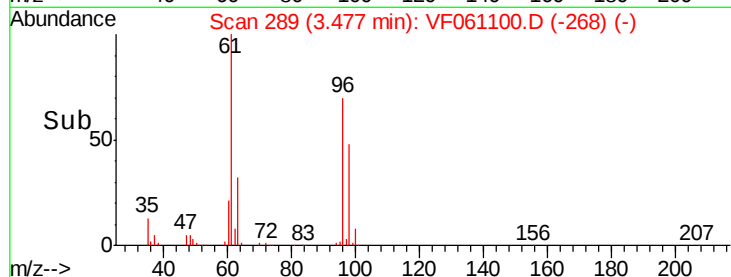
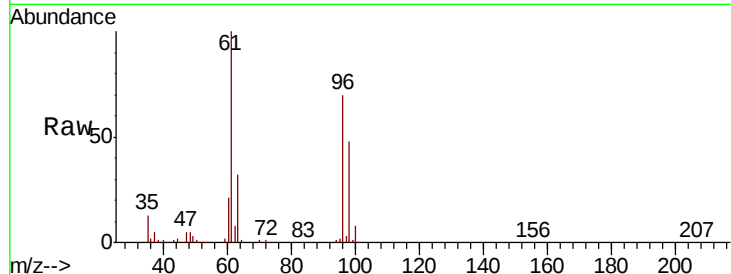
cis-1,2-Dichloroethene
Concen: 47.301 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	164877		
61	141.9	0.0	287.8	
98	68.8	0.0	134.2	

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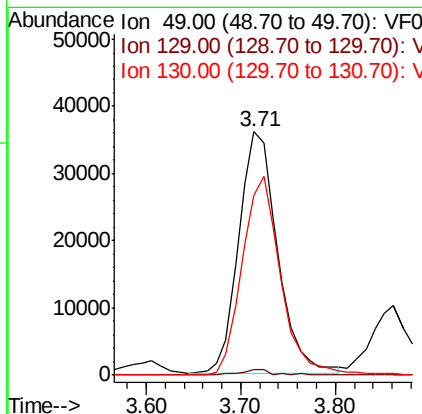
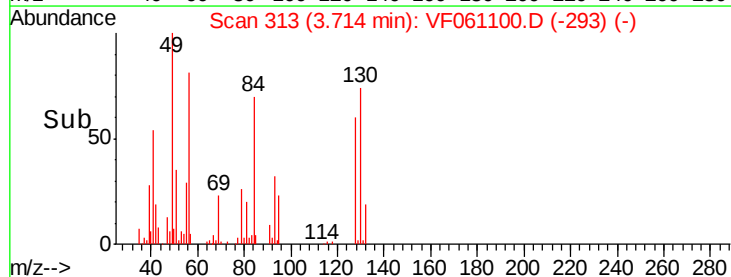
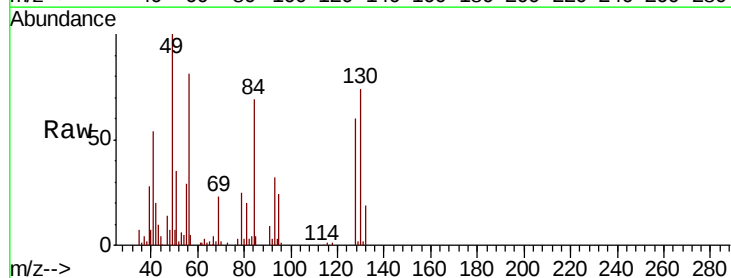
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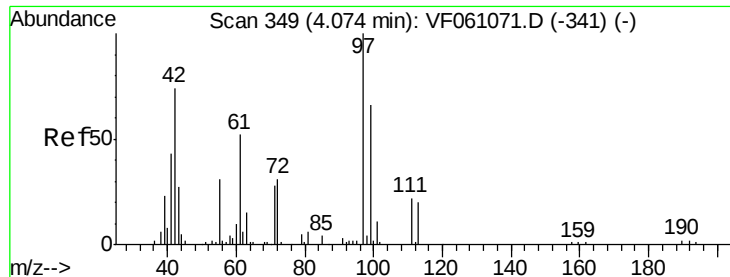


#28

Bromochloromethane
Concen: 46.376 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	102886		
129	2.0	0.0	3.6	
130	73.6	65.8	98.6	





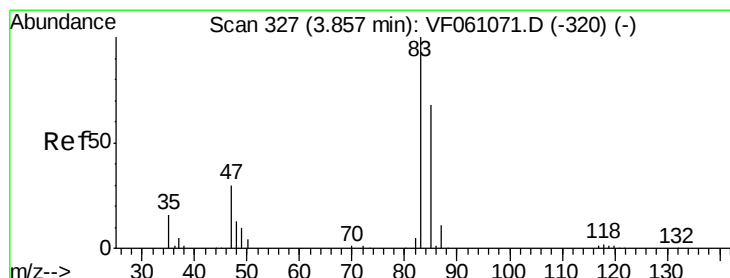
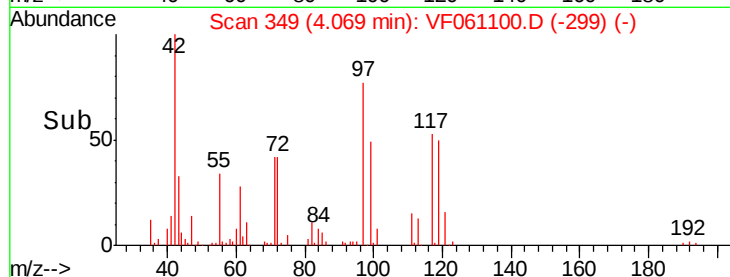
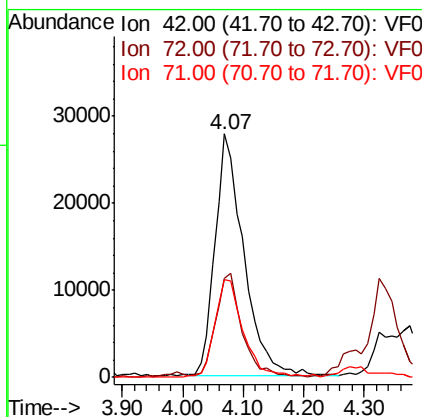
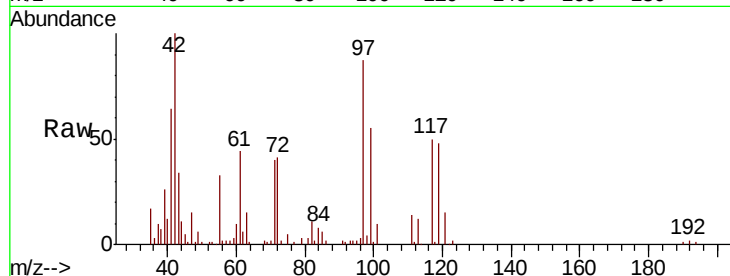
#29
Tetrahydrofuran
Concen: 223.817 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.8	47.8
71	40.0	29.7	44.5

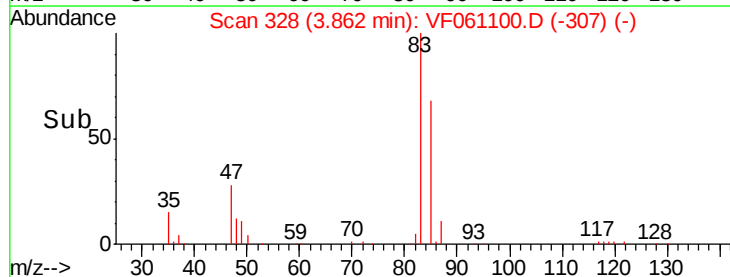
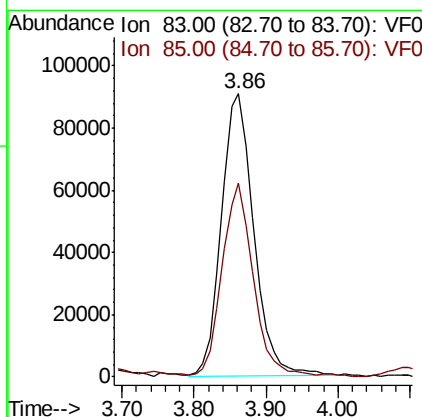
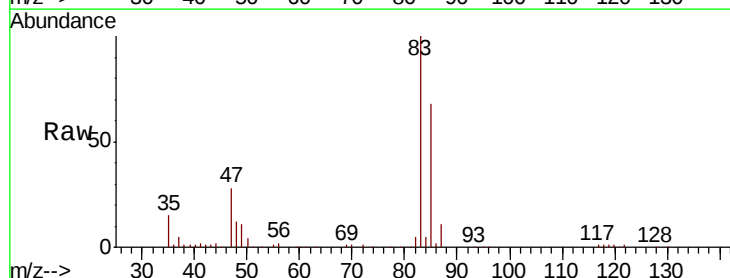
Manual Integrations
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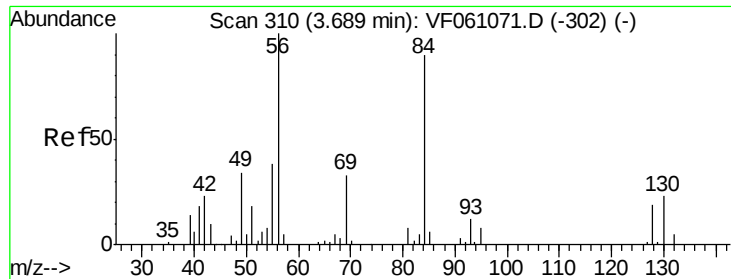
apatel
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#30
Chloroform
Concen: 43.089 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	54.5	81.7





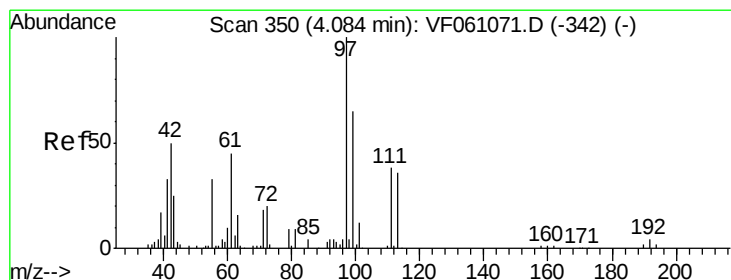
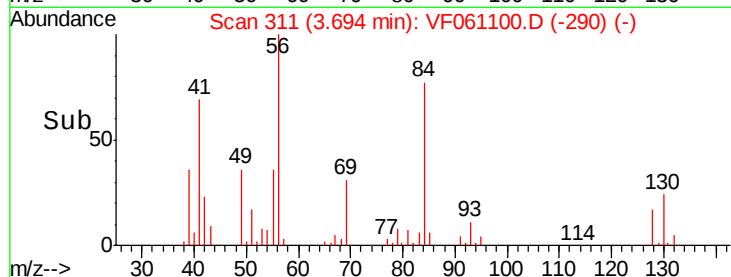
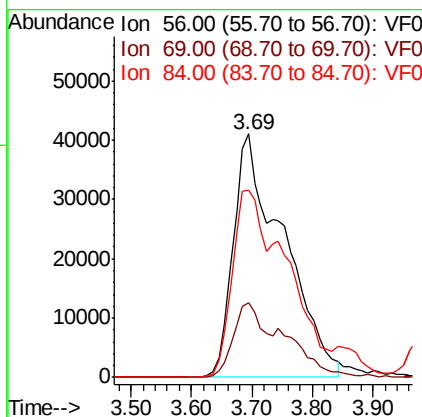
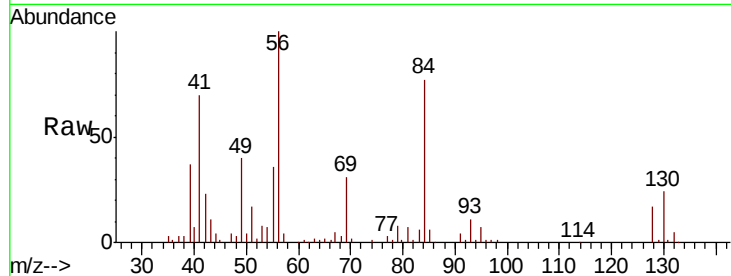
#31
Cyclohexane
Concen: 51.925 ug/l
RT: 3.69 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	26.0	39.0
84	76.9	71.4	107.2

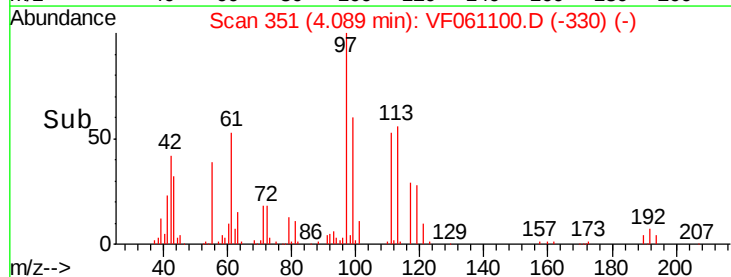
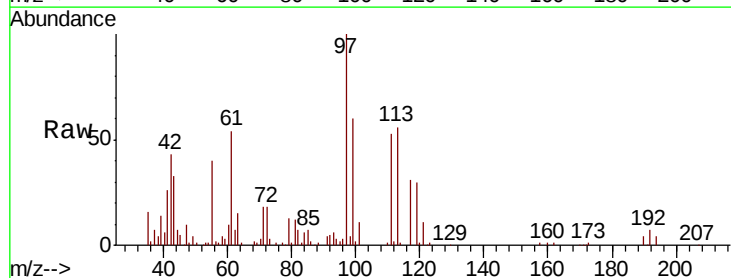
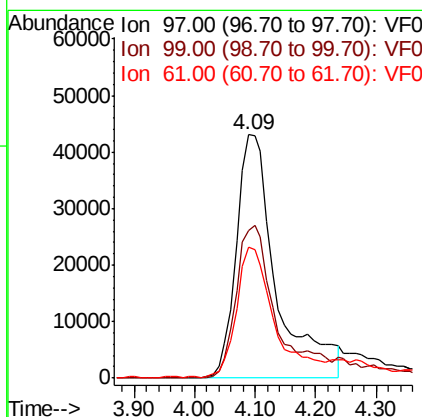
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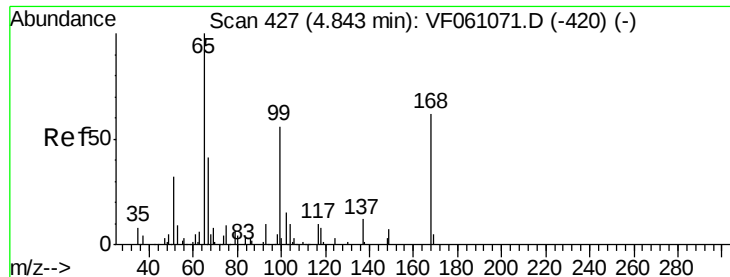
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#32
1,1,1-Trichloroethane
Concen: 50.717 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.4	51.6	77.4
61	53.7	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 45.081 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 140026

Ion Ratio Lower Upper

65 100

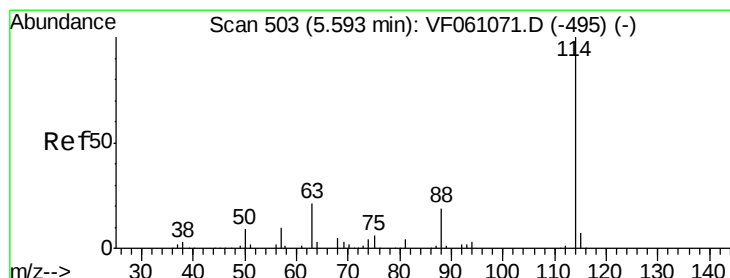
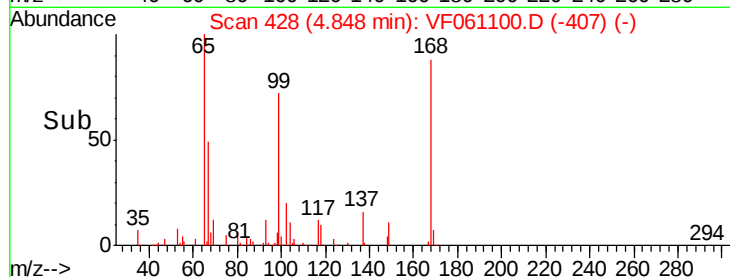
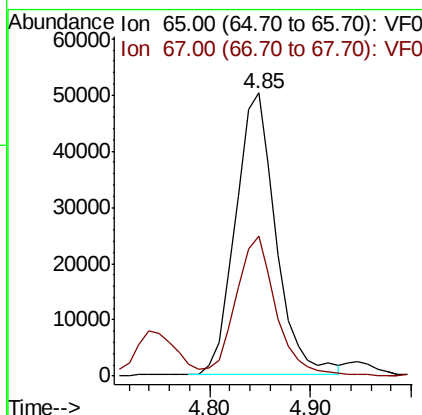
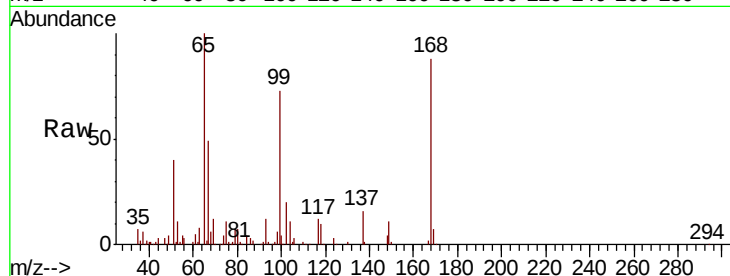
67 49.5 0.0 94.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

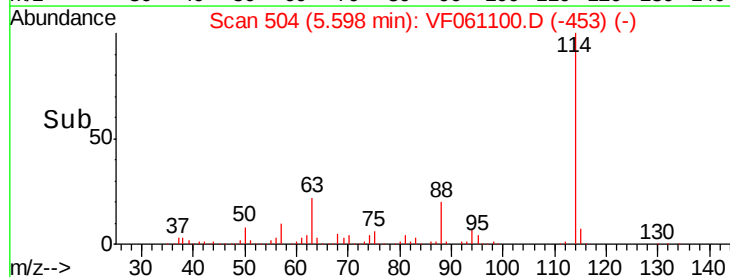
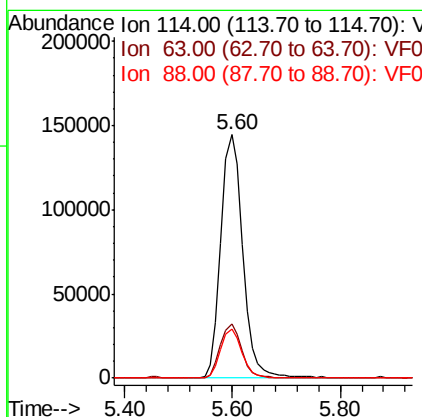
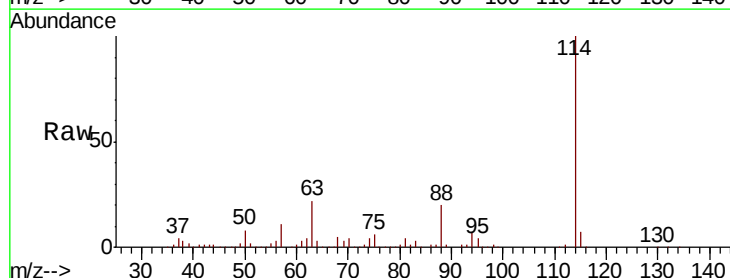
Tgt Ion: 114 Resp: 408741

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.6

88 20.1 0.0 38.0





#35

Dibromofluoromethane

Concen: 48.411 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

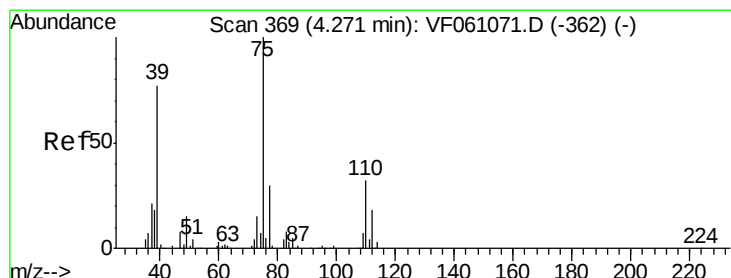
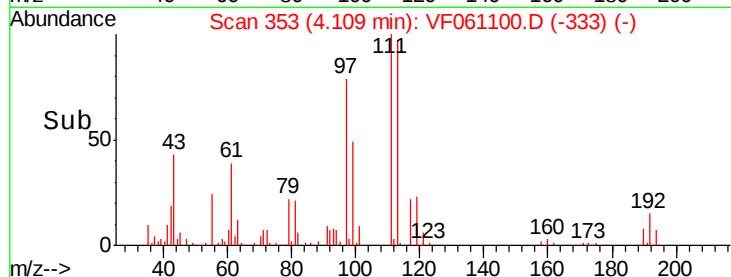
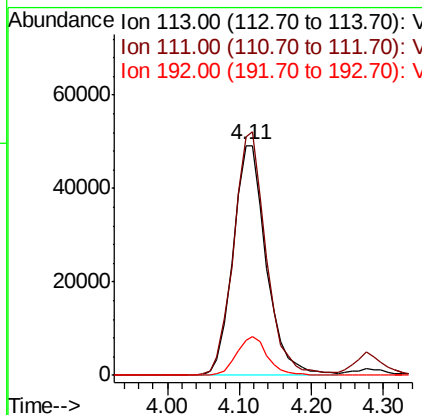
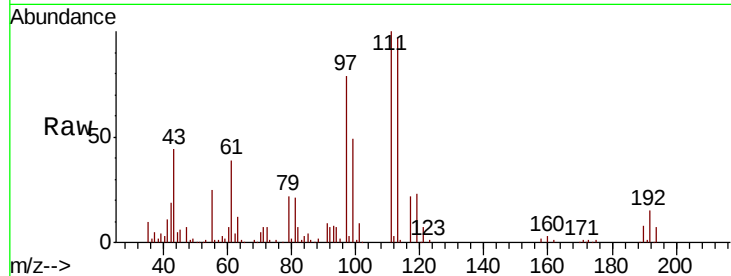
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	158511
Ion Ratio	Lower	Upper	
113	100		
111	103.5	85.2	127.8
192	15.2	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.408 ug/l

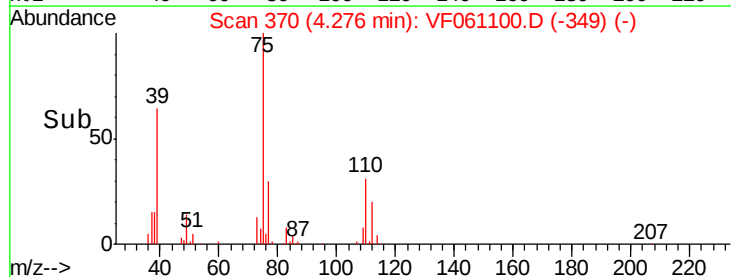
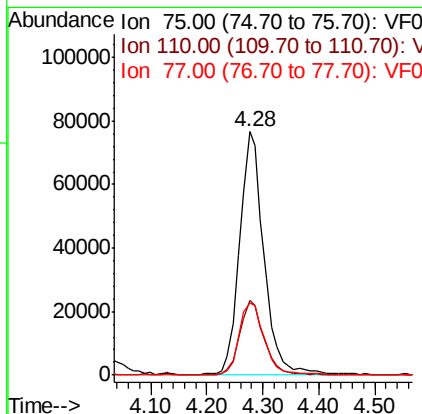
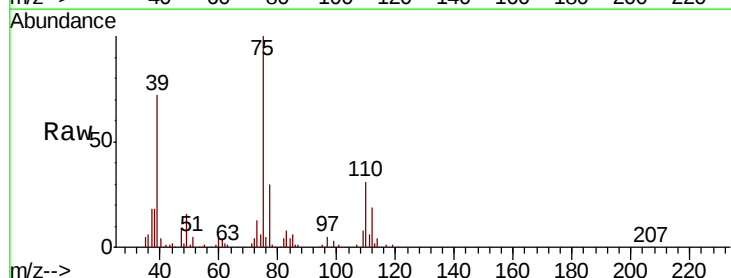
RT: 4.28 min Scan# 370

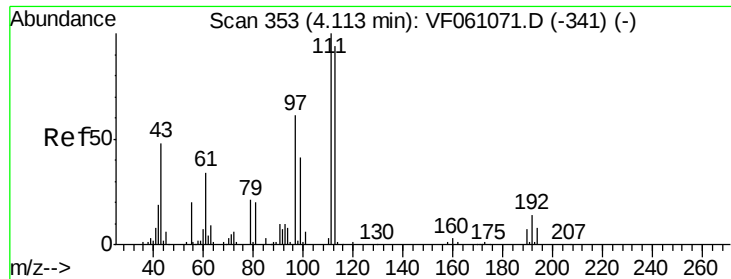
Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	75	Resp:	228967
Ion Ratio	Lower	Upper	
75	100		
110	30.7	16.1	48.2
77	29.6	24.5	36.7





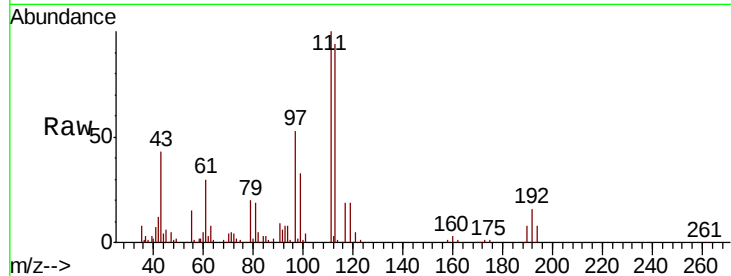
#37
Ethyl Acetate
Concen: 45.744 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	68.1	56.6	84.8
70	8.2	6.3	9.5

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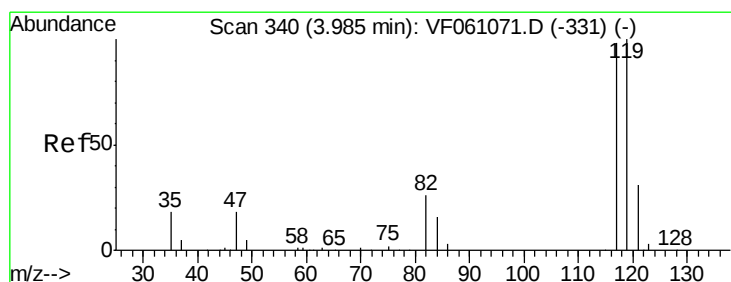
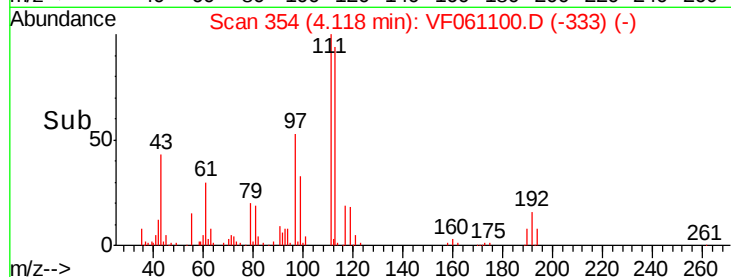
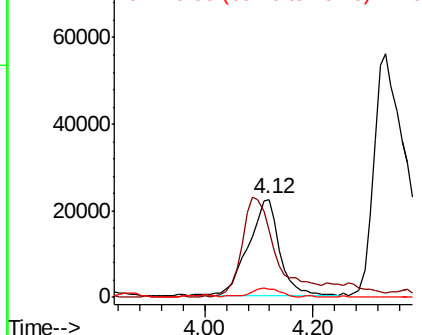


Abundance

Ion 43.00 (42.70 to 43.70): VF0

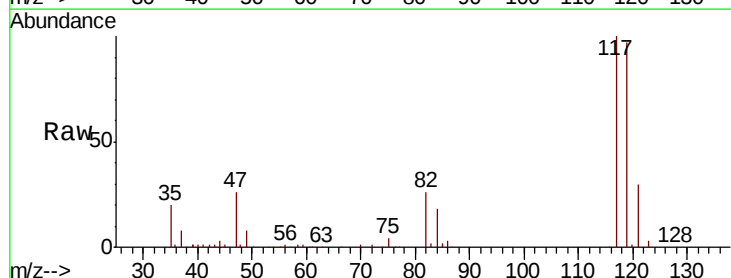
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 48.243 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	82.1	123.1
121	30.3	25.5	38.3

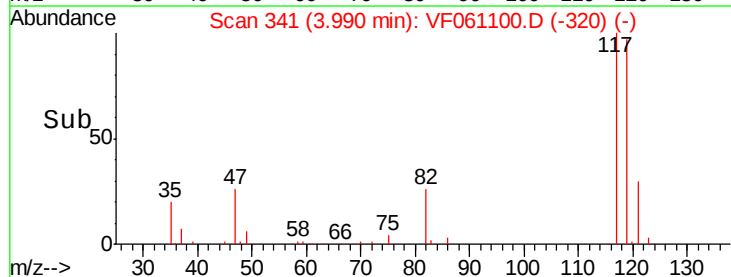
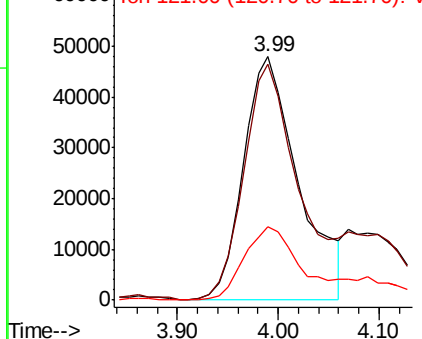


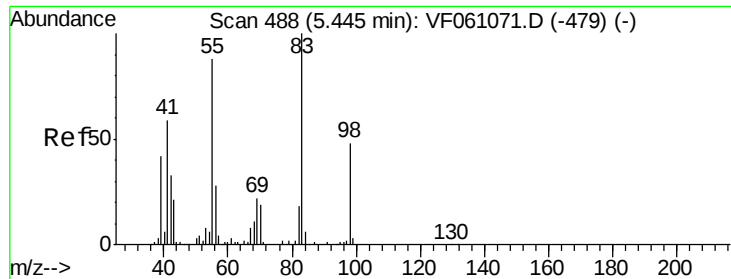
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





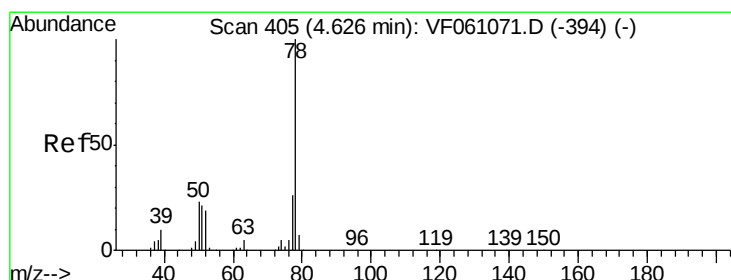
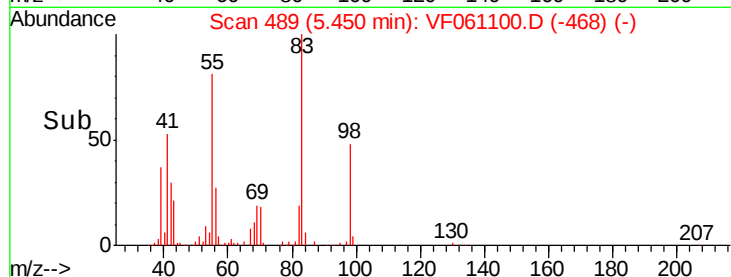
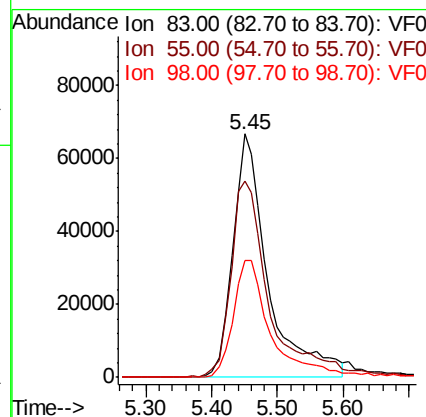
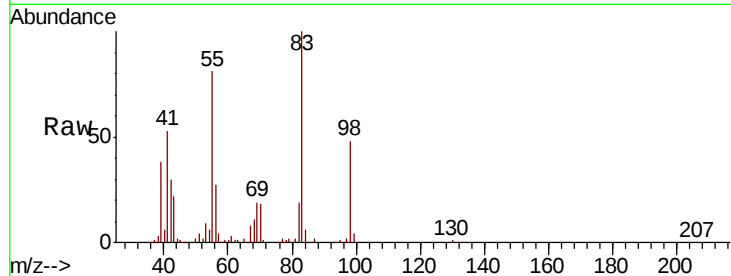
#39
Methvlcvclohexane
Concen: 56.434 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	70.6	105.8
98	48.1	38.5	57.7

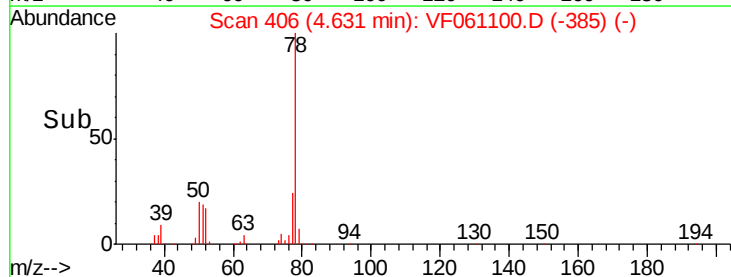
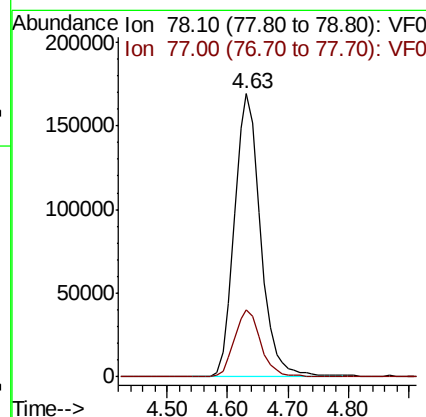
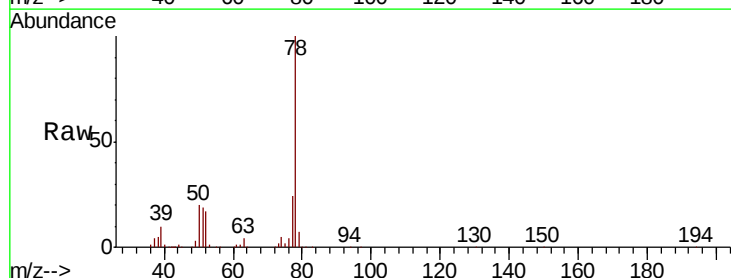
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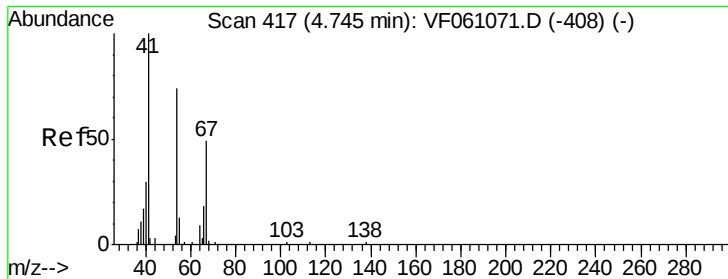
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#40
Benzene
Concen: 47.799 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	20.7	31.1





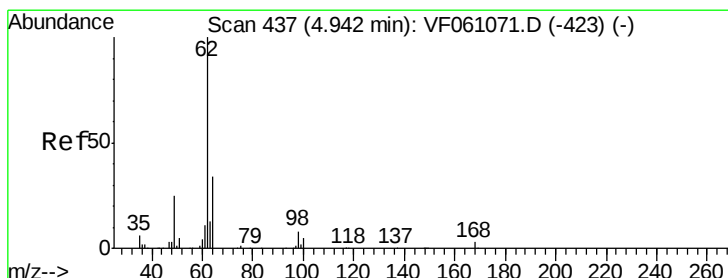
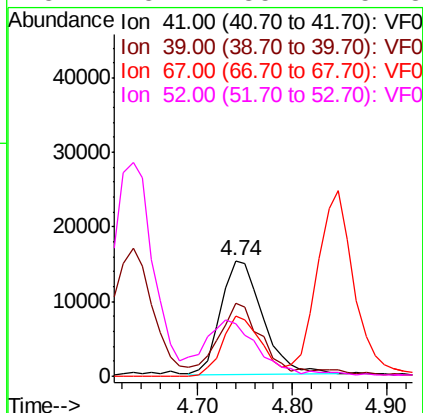
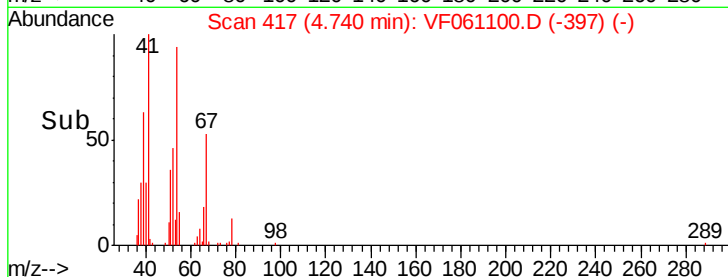
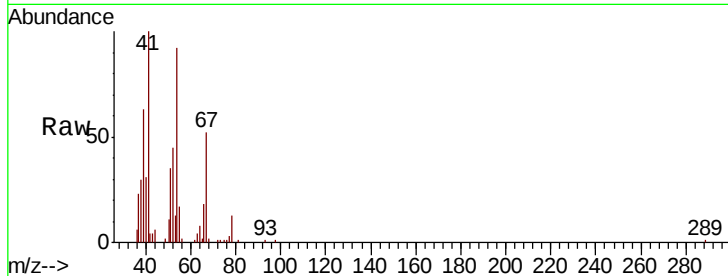
#41
Methacrylonitrile
Concen: 44.913 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	46798
Ion	Ratio	Lower	Upper
41	100		
39	63.2	45.7	68.5
67	51.5	38.9	58.3
52	45.2	35.2	52.8

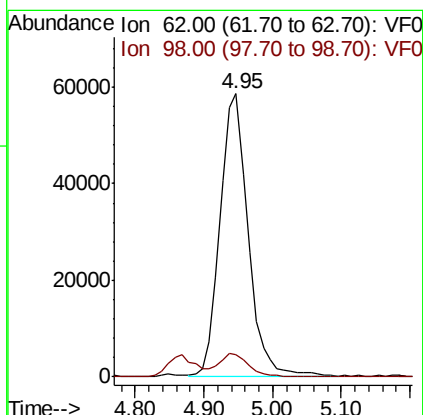
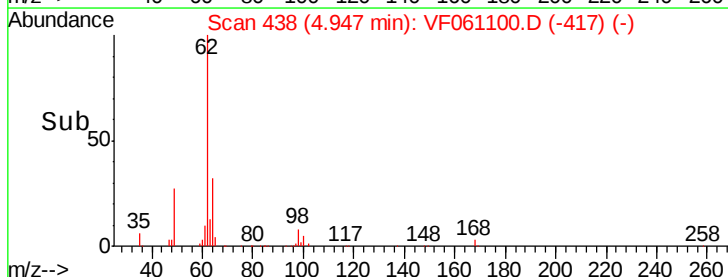
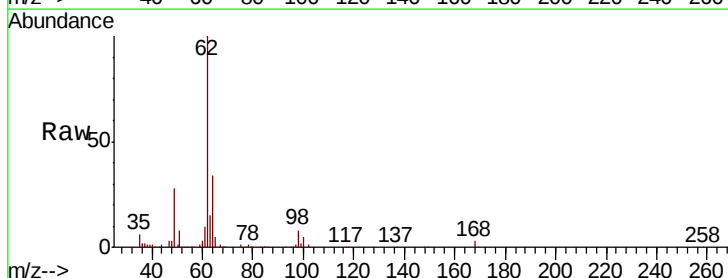
Manual Integrations
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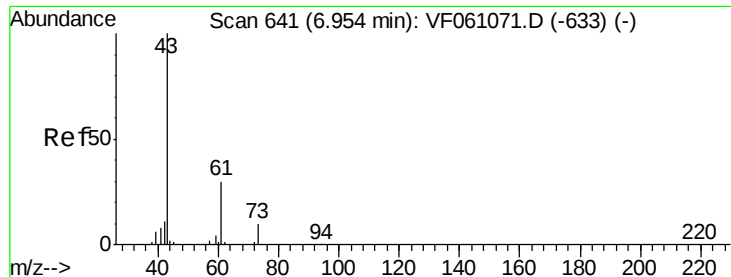
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#42
1,2-Dichloroethane
Concen: 40.735 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion:	62	Resp:	164188
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6





#43

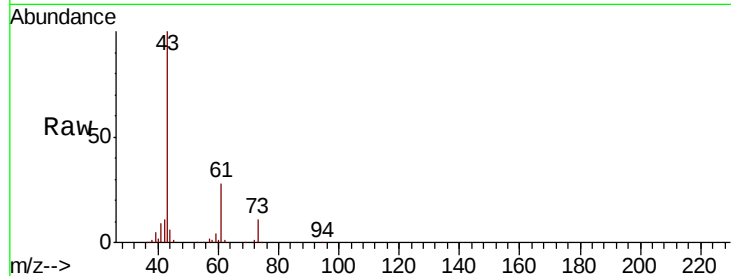
Isopropyl Acetate
 Concen: 43.857 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

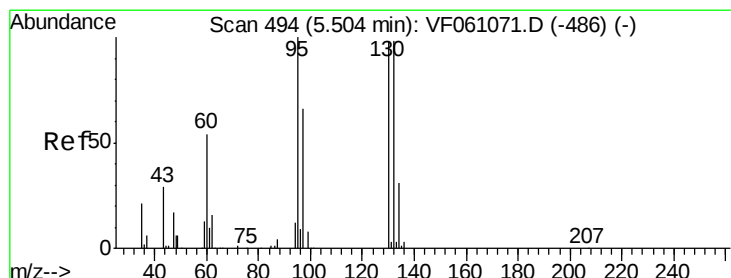
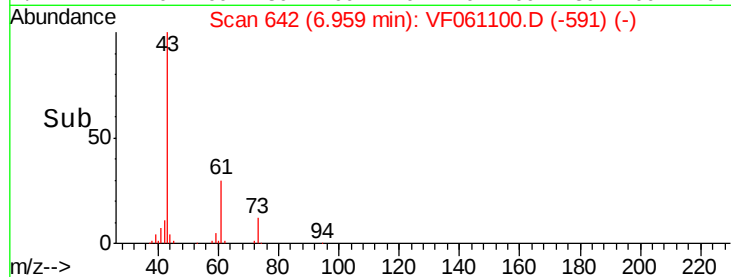
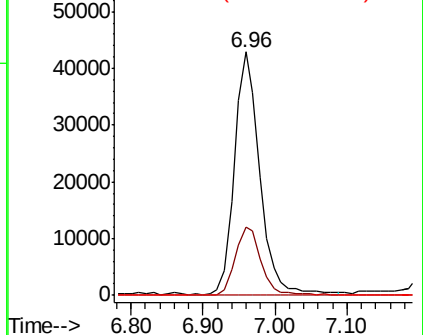
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	23.8	35.8
87	0.0	0.0	0.0

Manual Integrations
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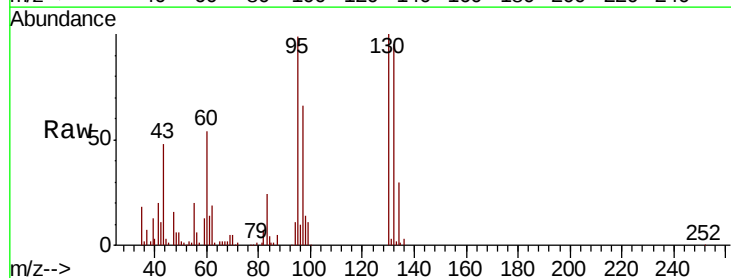
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



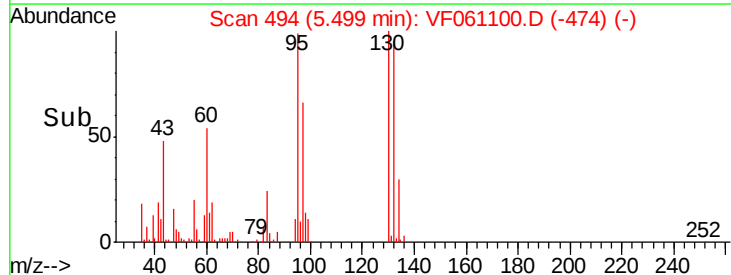
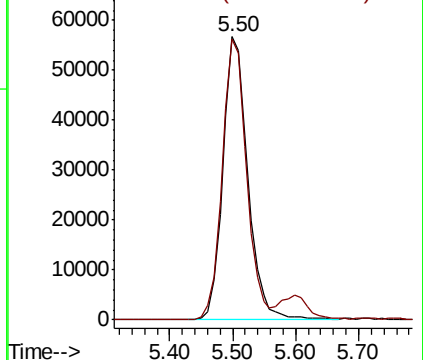
#44

Trichloroethene
 Concen: 46.502 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	205.2



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





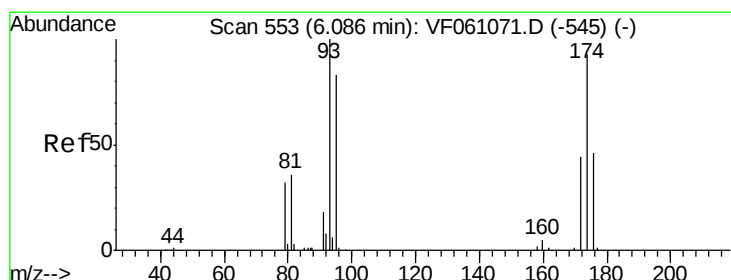
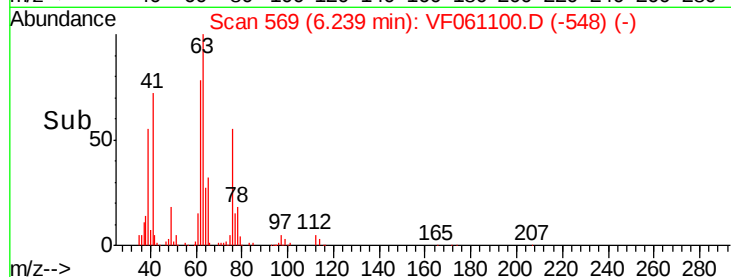
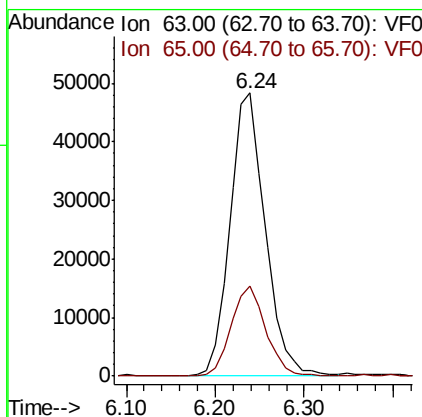
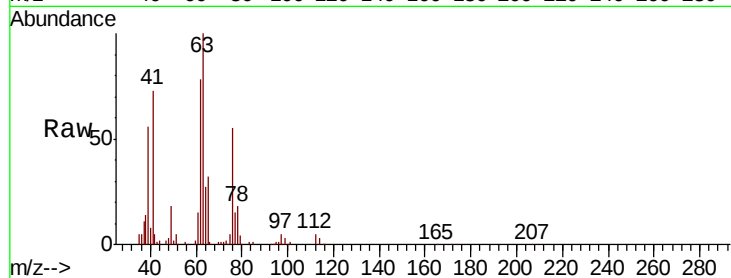
#45
 1,2-Dichloropropane
 Concen: 46.274 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.4	36.6

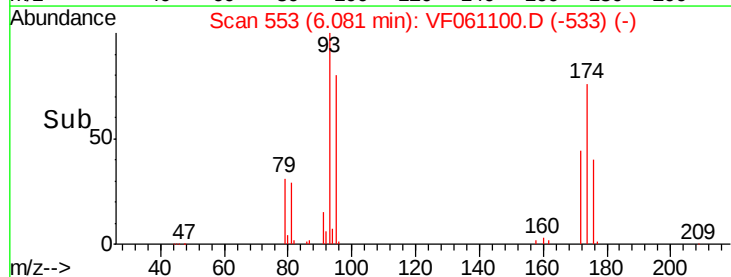
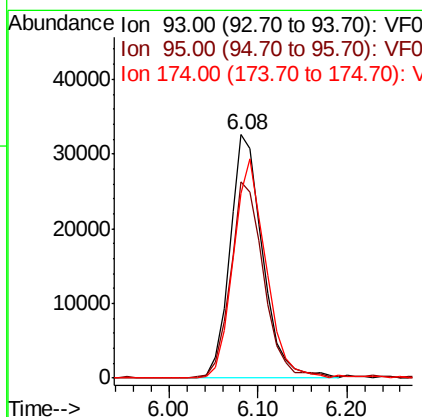
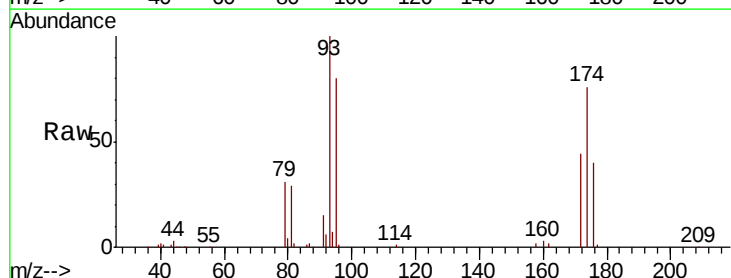
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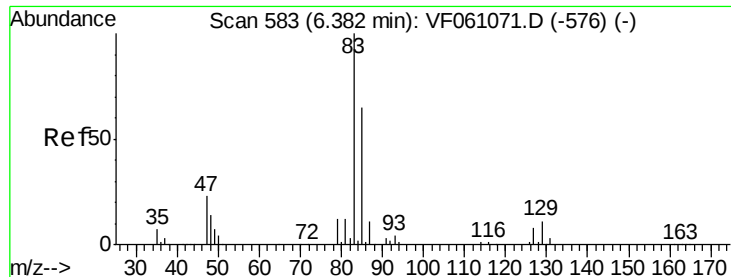
apatel
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#46
 Dibromomethane
 Concen: 44.700 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	66.9	100.3
174	76.1	74.1	111.1





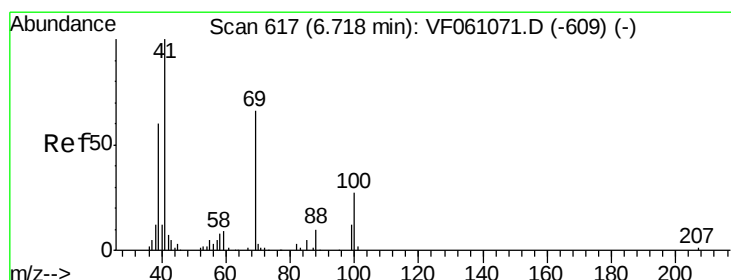
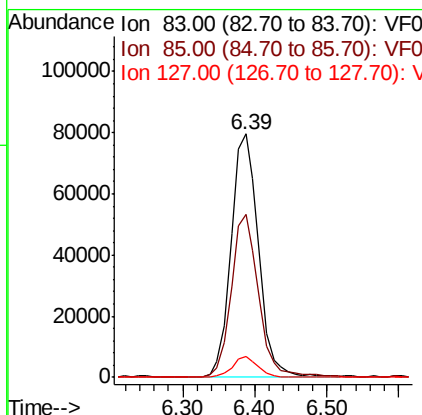
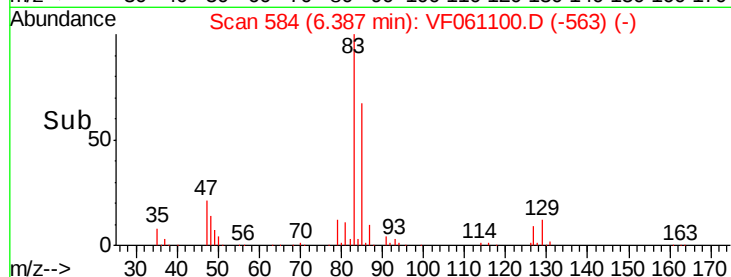
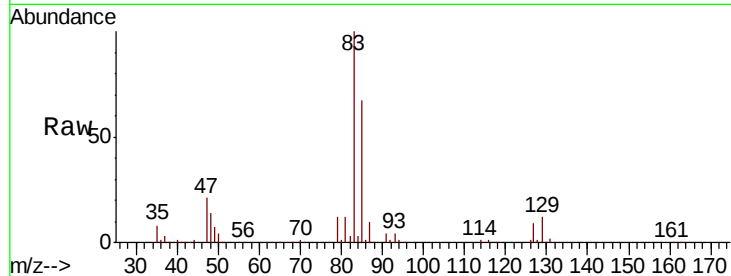
#47
Bromodichloromethane
Concen: 43.272 ug/l
RT: 6.39 min Scan# 584
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.2	78.4
127	8.8	6.1	9.1

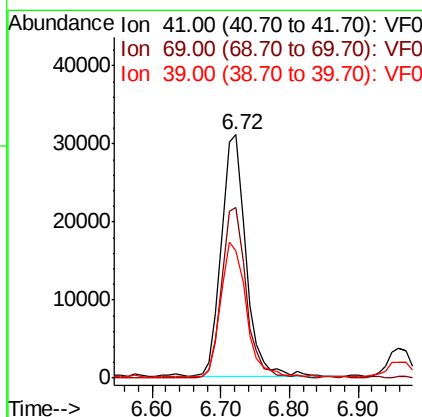
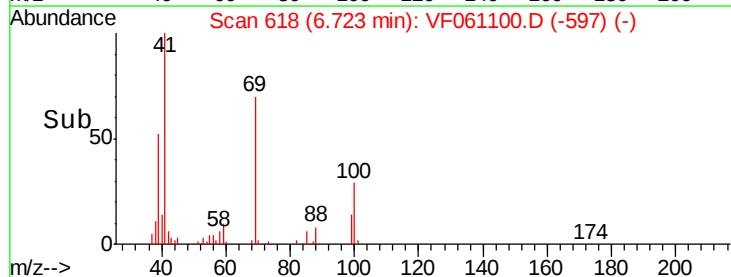
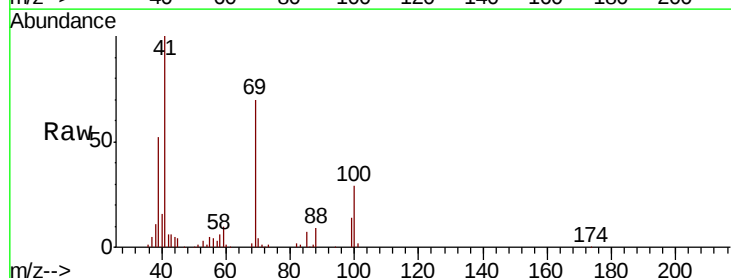
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#48
Methyl methacrylate
Concen: 45.995 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.9	52.7	79.1
39	52.1	47.8	71.6





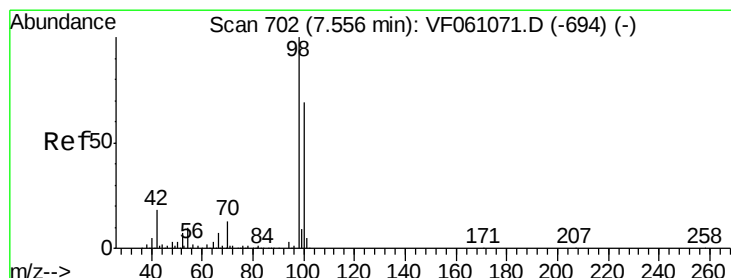
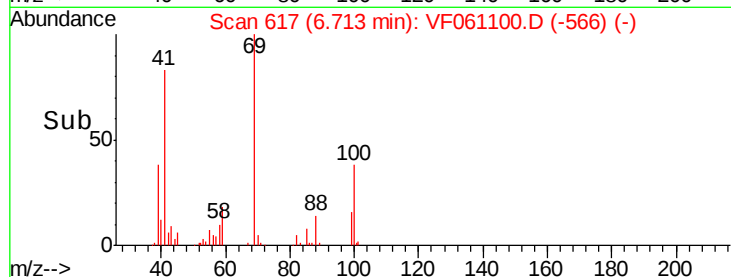
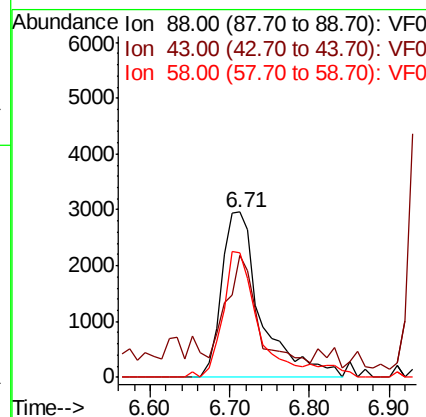
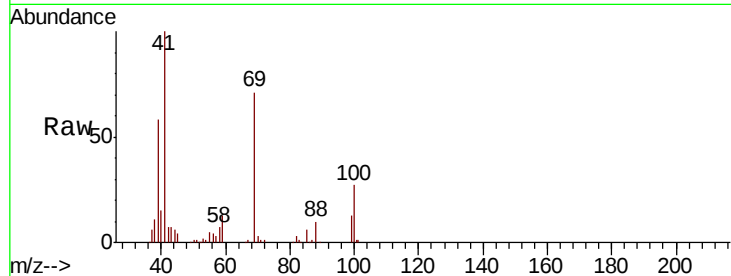
#49
1,4-Dioxane
Concen: 852.717 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	73.6		33.3	49.9#
58	75.3		53.2	79.8

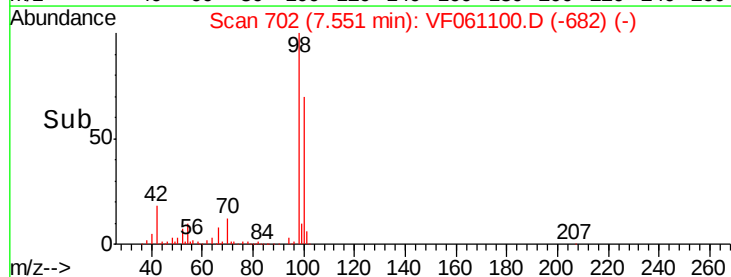
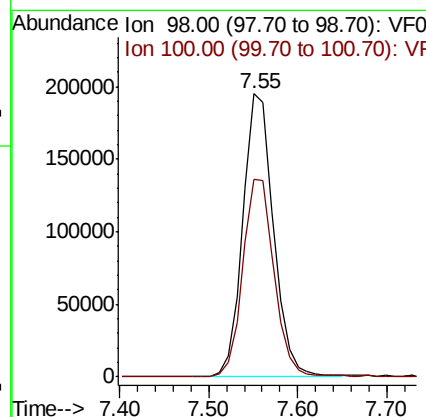
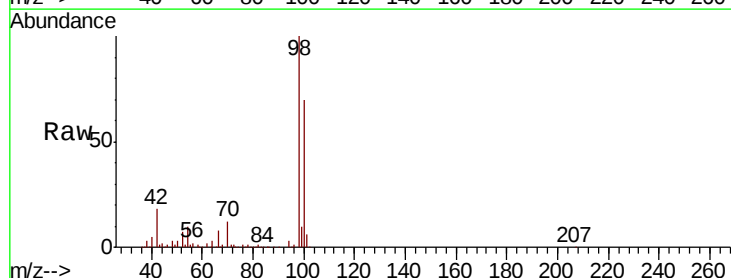
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#50
Toluene-d8
Concen: 50.317 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	70.0		55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 218.670 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 357267

Ion Ratio Lower Upper

43 100

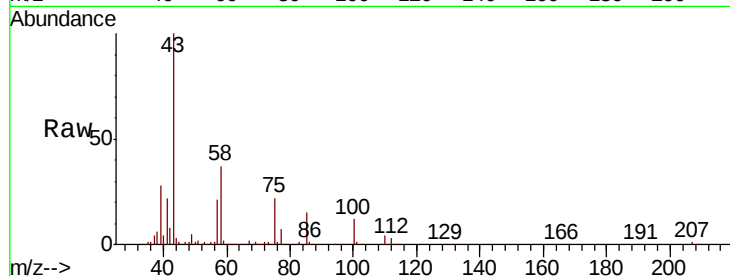
58 36.7 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

100000

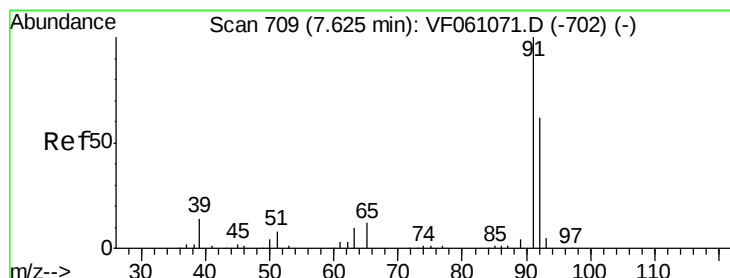
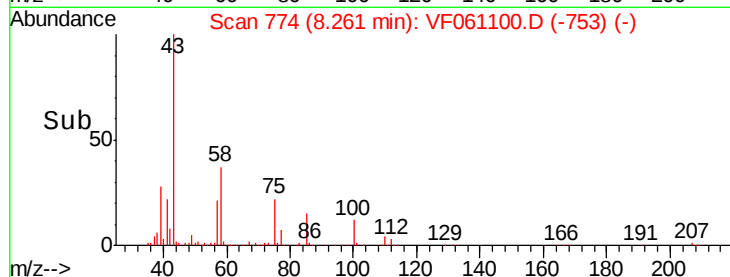
50000

0

8.26

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 46.570 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061100.D

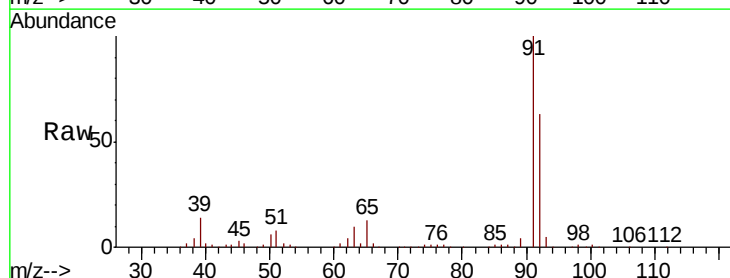
Acq: 20 Dec 2018 11:05

Tgt Ion: 92 Resp: 327077

Ion Ratio Lower Upper

92 100

91 157.5 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

100000

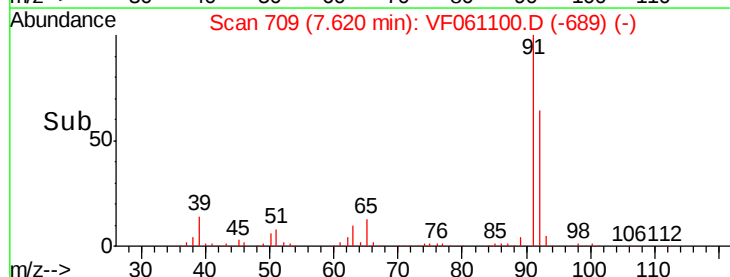
50000

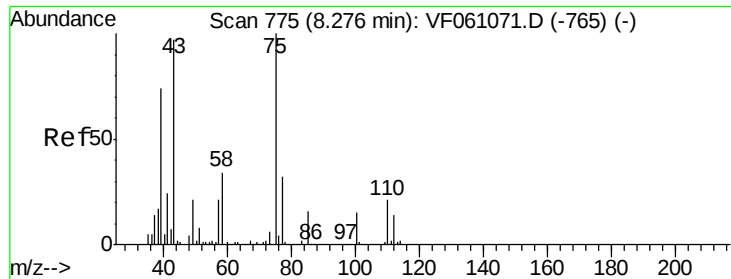
0

7.62

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.252 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 169736

Ion Ratio Lower Upper

75 100

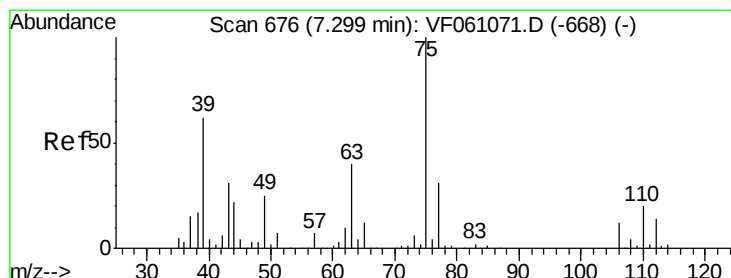
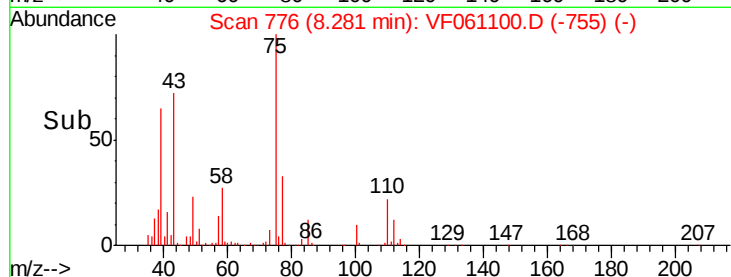
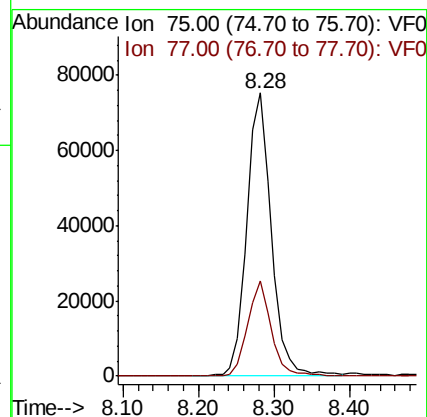
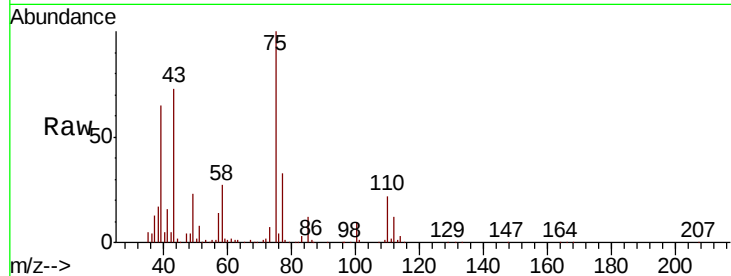
77 33.4 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 45.300 ug/l

RT: 7.30 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

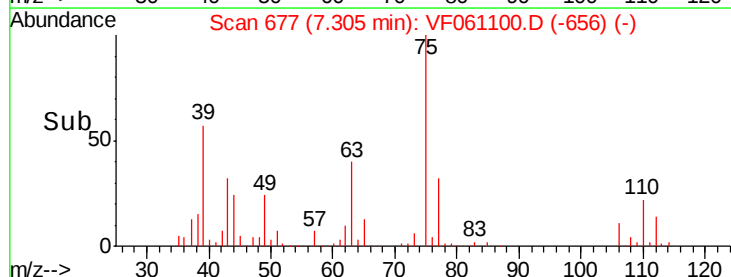
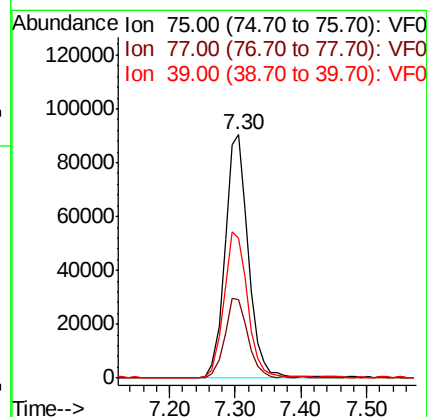
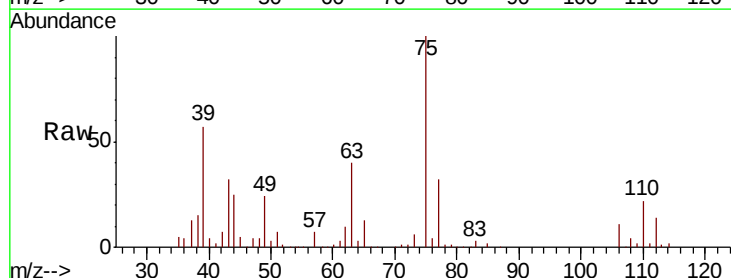
Tgt Ion: 75 Resp: 223119

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4

39 57.3 50.1 75.1





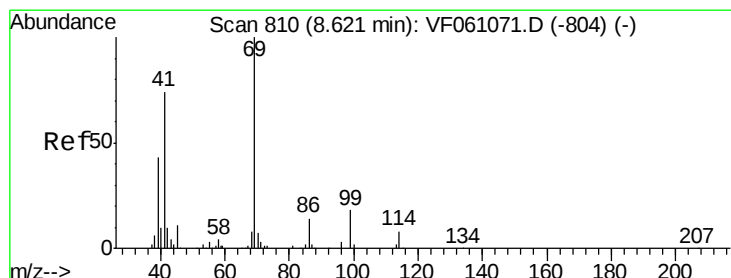
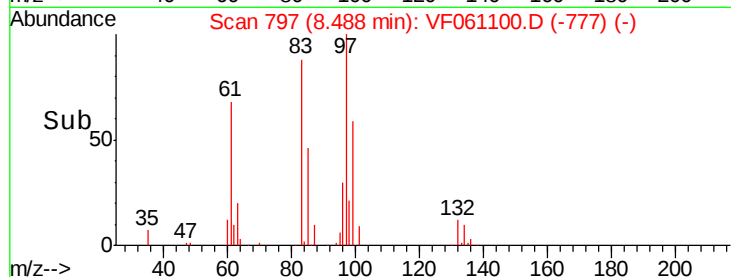
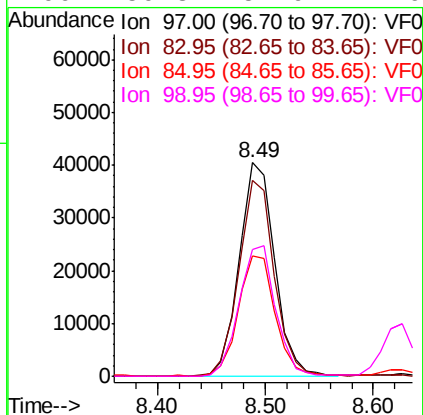
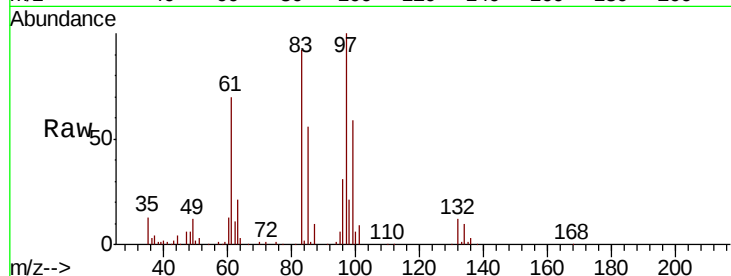
#55
 1,1,2-Trichloroethane
 Concen: 43.809 ug/l
 RT: 8.49 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	92240
Ion	Ratio	Lower	Upper
97	100		
83	91.5	75.0	112.4
85	56.1	47.5	71.3
99	59.3	51.9	77.9

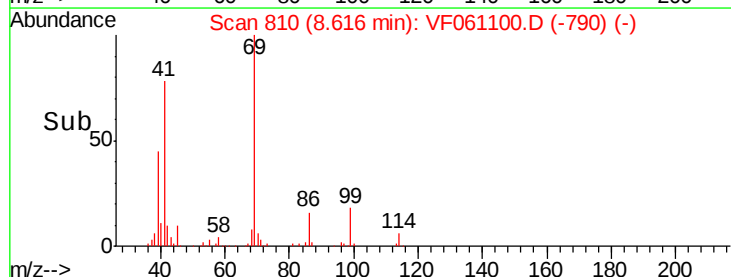
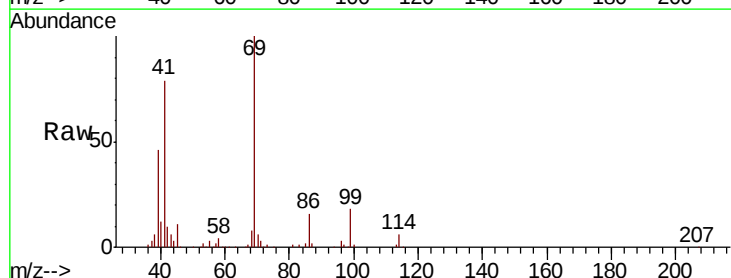
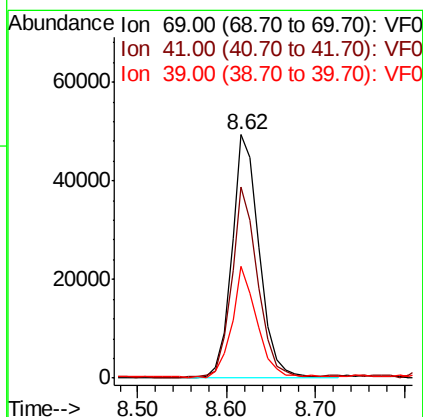
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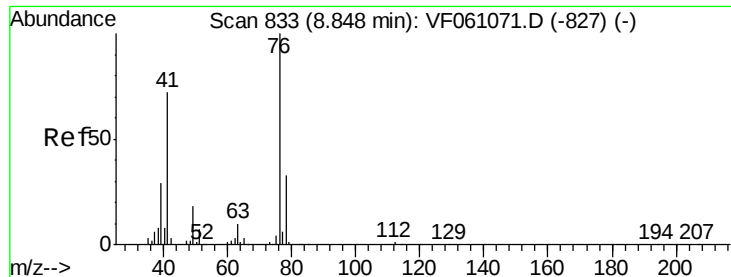
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#56
 Ethyl methacrylate
 Concen: 46.475 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion:	69	Resp:	105885
Ion	Ratio	Lower	Upper
69	100		
41	78.6	59.7	89.5
39	46.2	35.0	52.6





#57

1,3-Dichloropropane

Concen: 44.903 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 170992

Ion Ratio Lower Upper

76 100

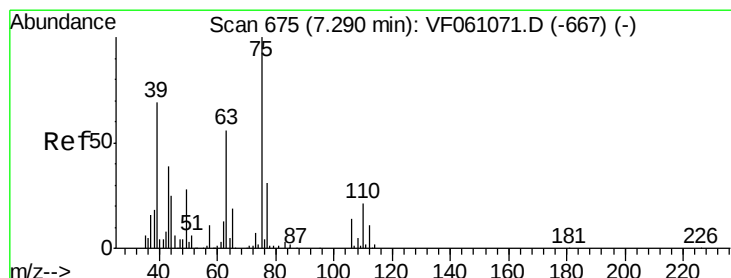
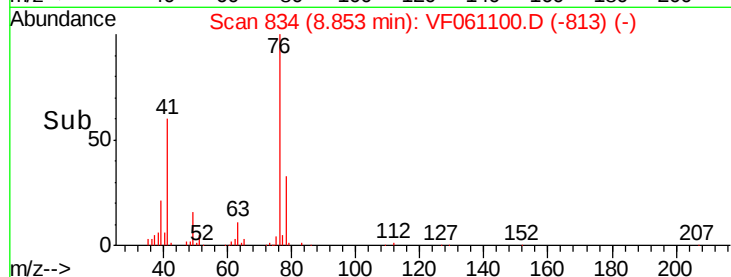
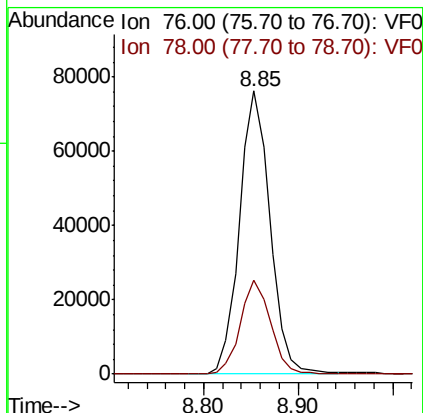
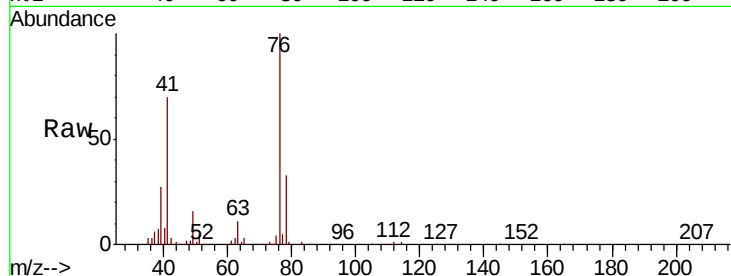
78 33.2 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 236.223 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061100.D

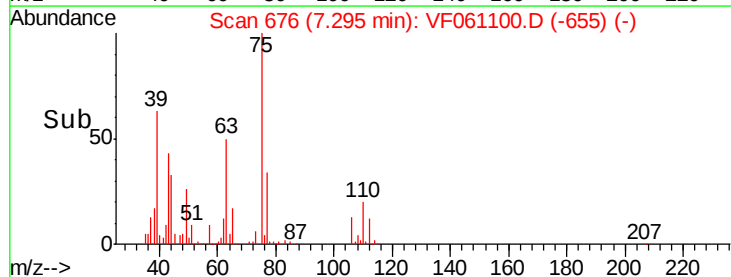
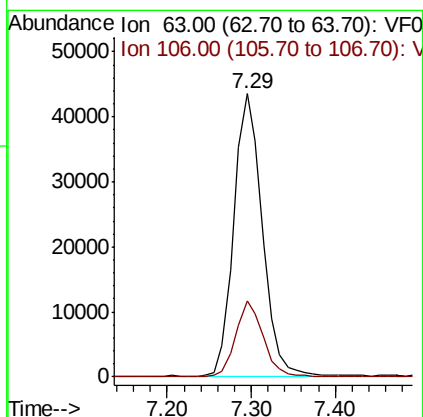
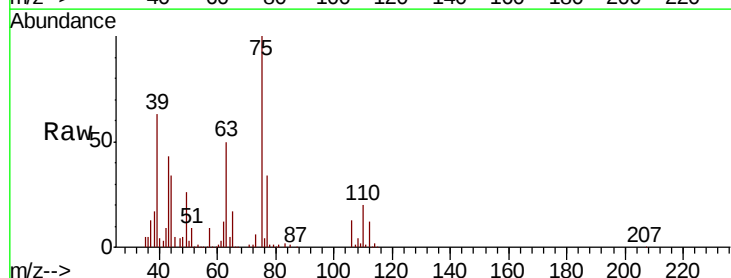
Acq: 20 Dec 2018 11:05

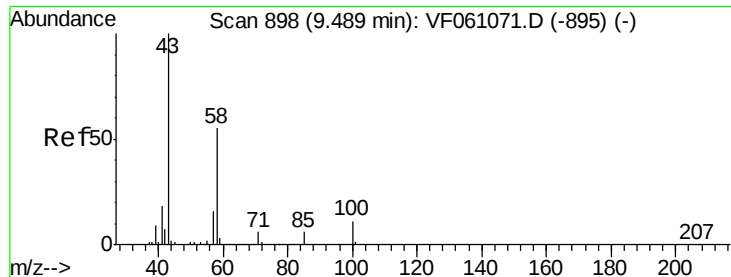
Tgt Ion: 63 Resp: 103363

Ion Ratio Lower Upper

63 100

106 26.9 19.8 29.8





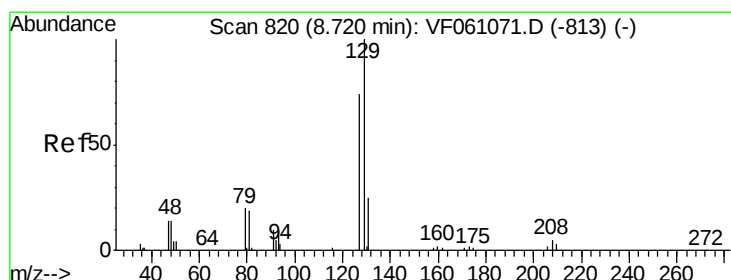
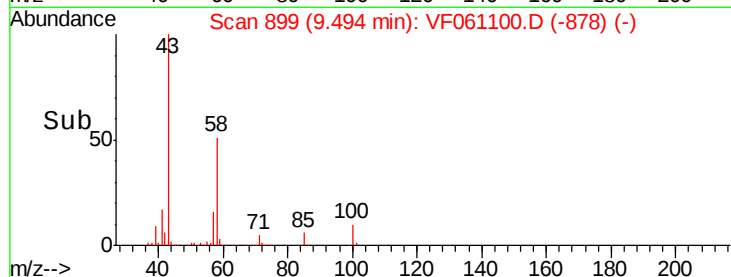
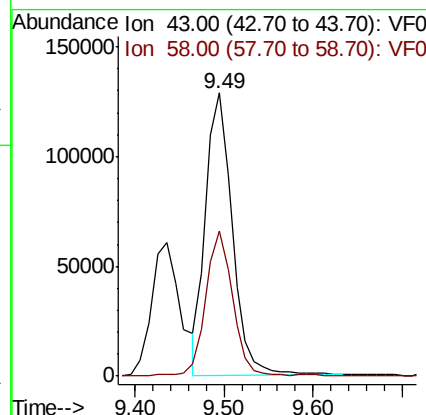
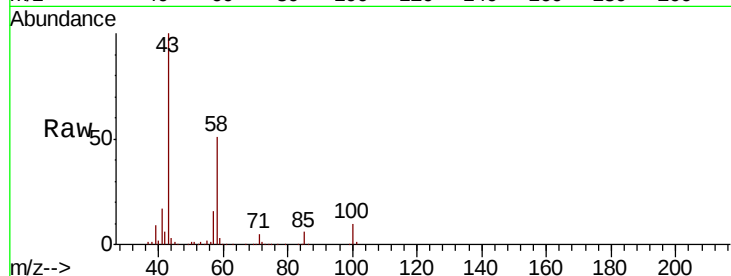
#59
2-Hexanone
Concen: 224.941 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.1	75.2

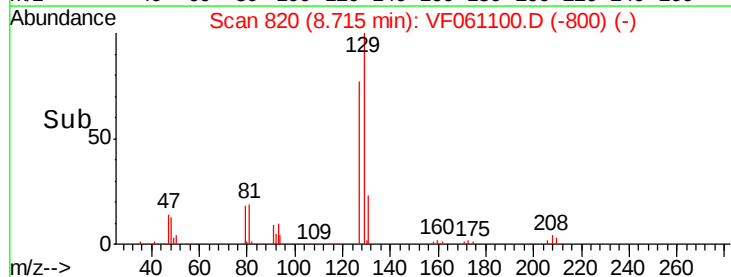
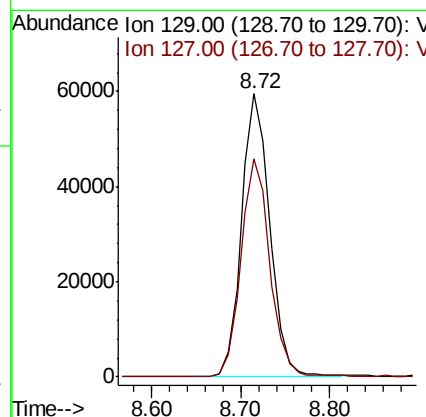
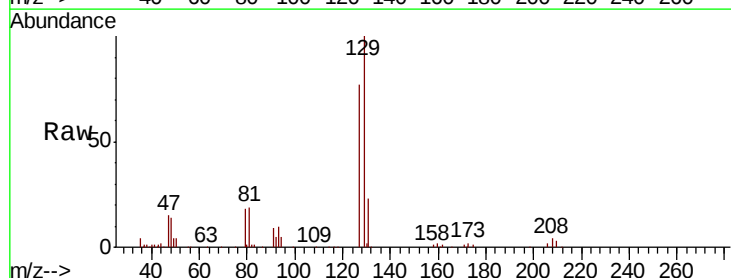
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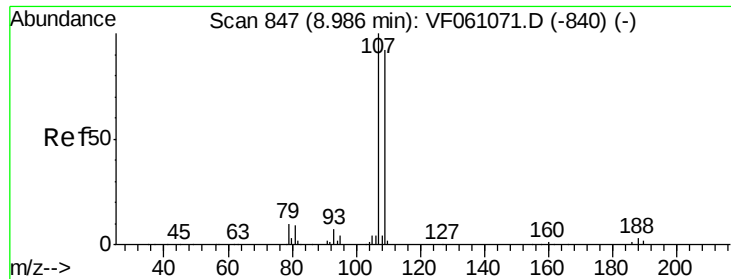
apatel
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#60
Dibromochloromethane
Concen: 43.443 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	36.8	110.3





#61

1,2-Dibromoethane

Concen: 43.386 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 97559

Ion Ratio Lower Upper

107 100

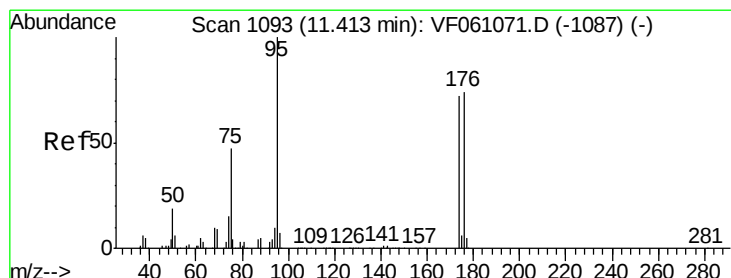
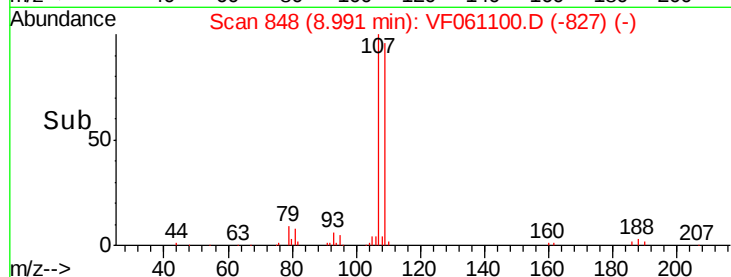
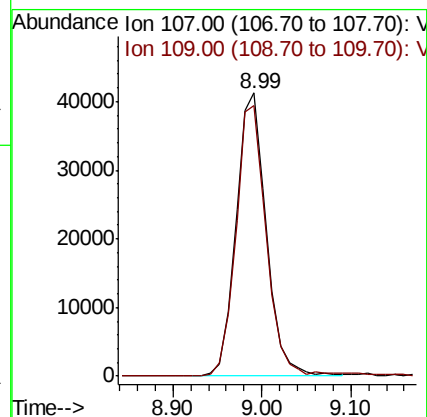
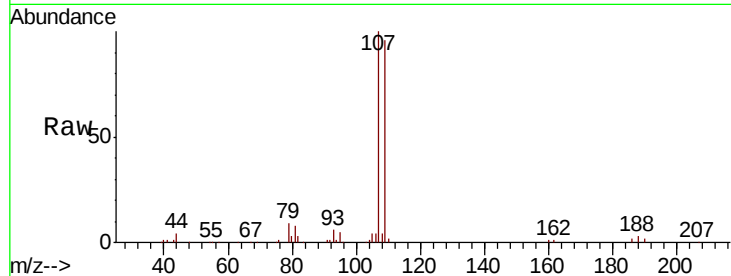
109 95.6 73.7 110.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.142 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

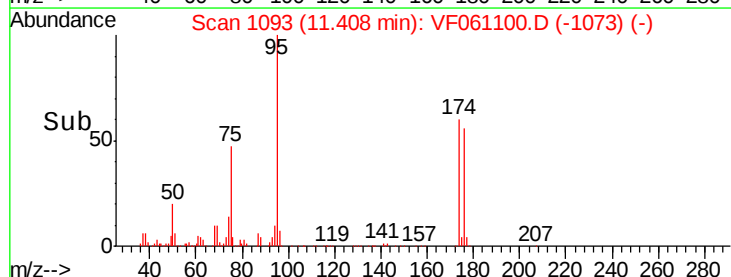
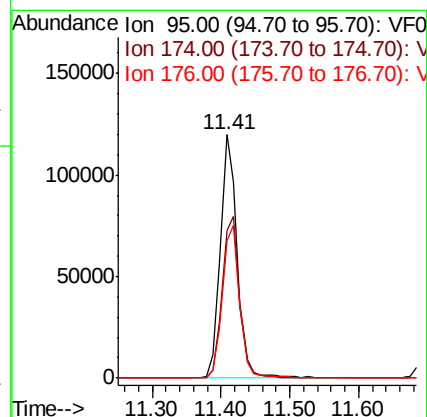
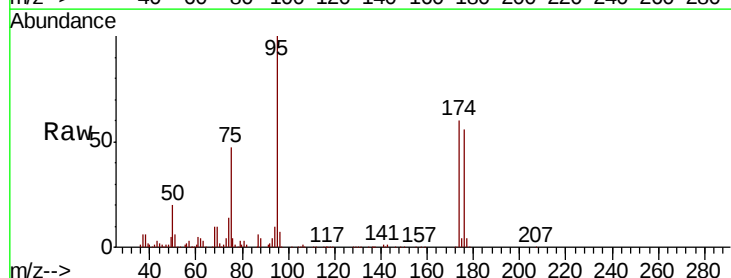
Tgt Ion: 95 Resp: 201657

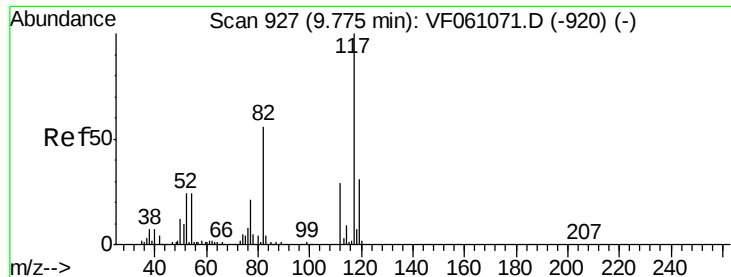
Ion Ratio Lower Upper

95 100

174 60.4 0.0 143.8

176 56.4 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

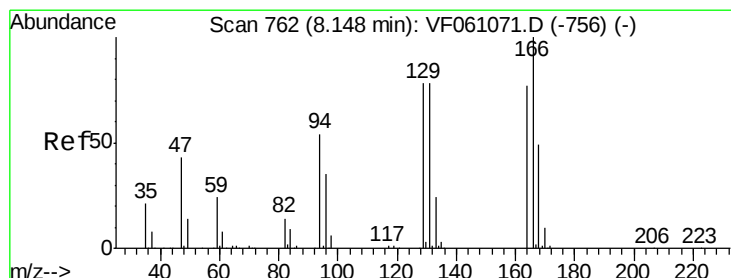
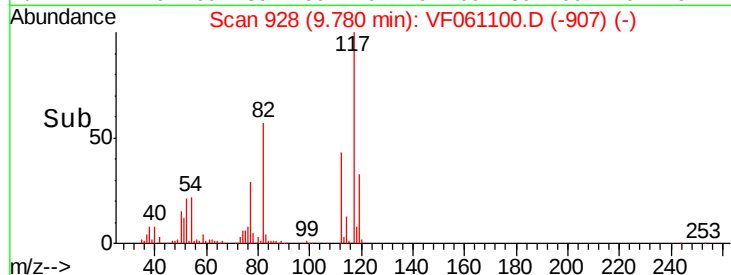
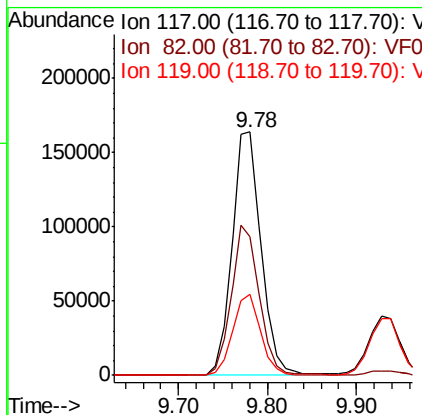
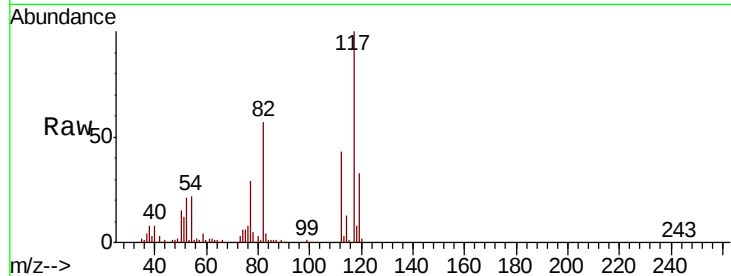
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	374833
Ion Ratio	Lower	Upper	
117	100		
82	57.2	45.0	67.4
119	33.1	24.8	37.2

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#64

Tetrachloroethene

Concen: 45.398 ug/l

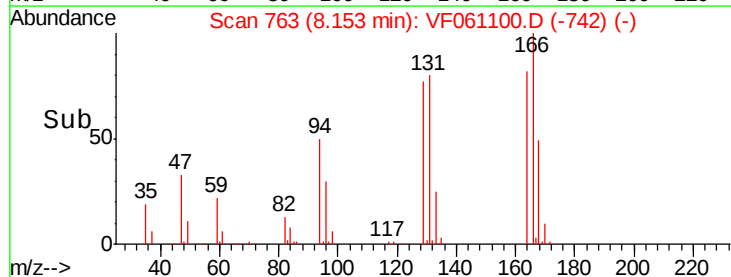
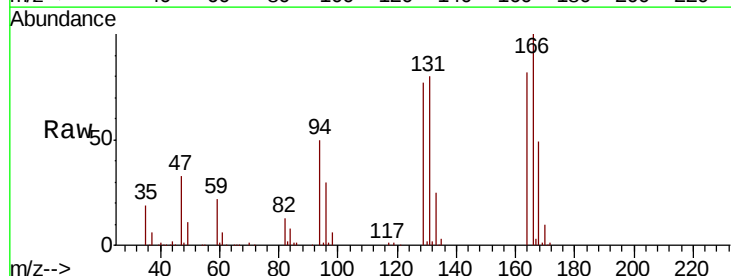
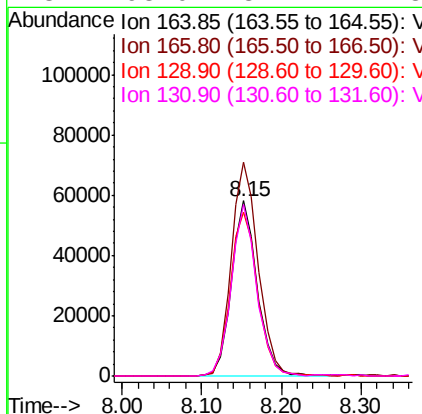
RT: 8.15 min Scan# 763

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	164	Resp:	130903
Ion Ratio	Lower	Upper	
164	100		
166	122.1	104.0	156.0
129	94.0	81.1	121.7
131	98.0	81.2	121.8





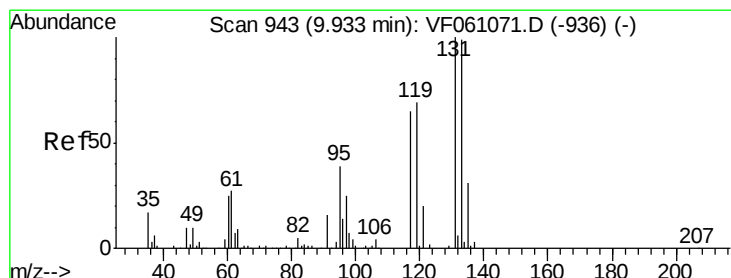
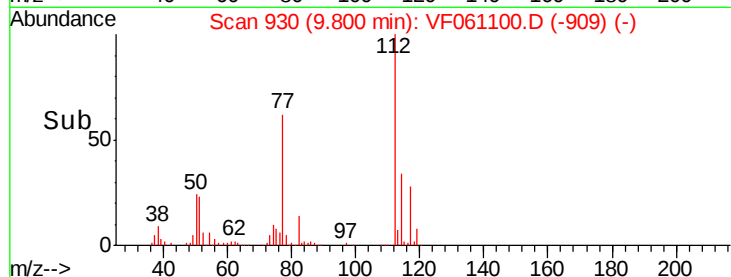
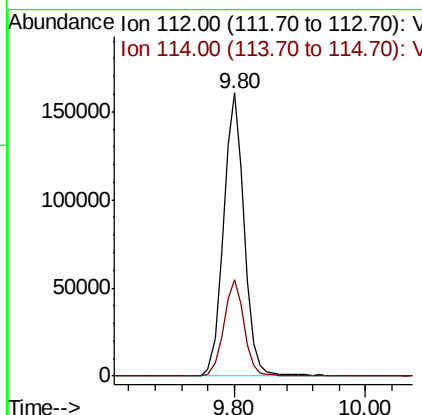
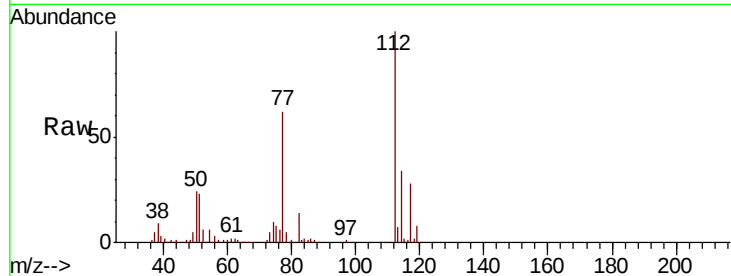
#65
Chlorobenzene
Concen: 45.718 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	354021		
114	34.3	27.8	41.6	

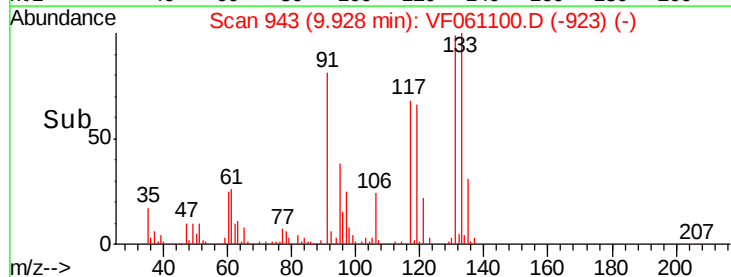
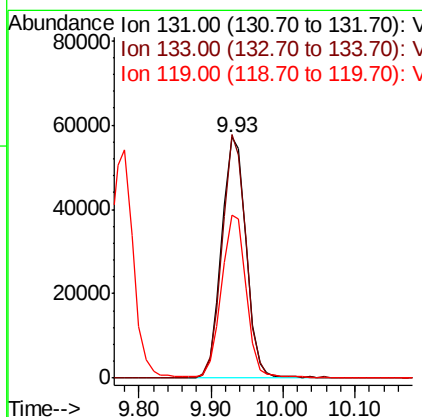
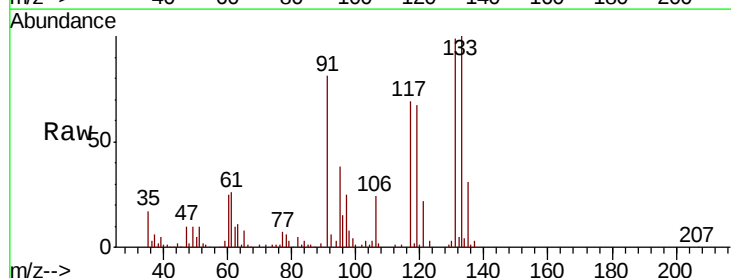
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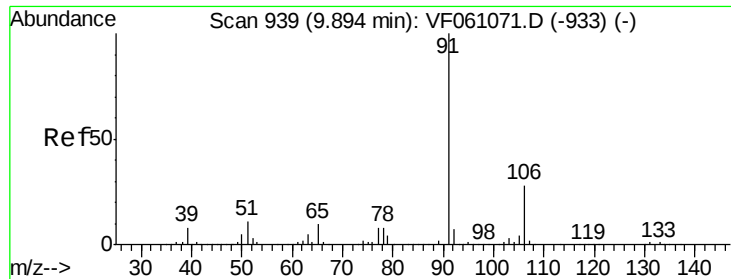
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 42.717 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	135175		
133	101.1	49.5	148.7	
119	67.4	34.5	103.5	





#67

Ethyl Benzene

Concen: 45.095 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 636173

Ion Ratio Lower Upper

91 100

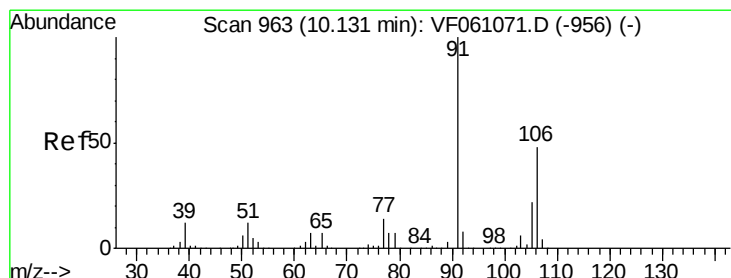
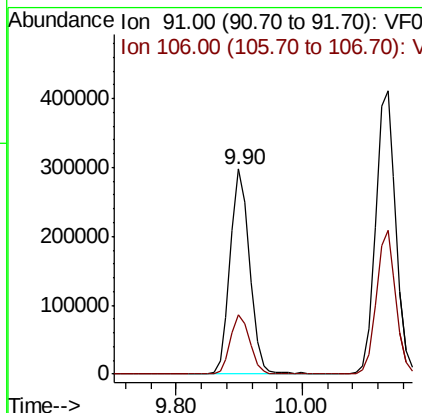
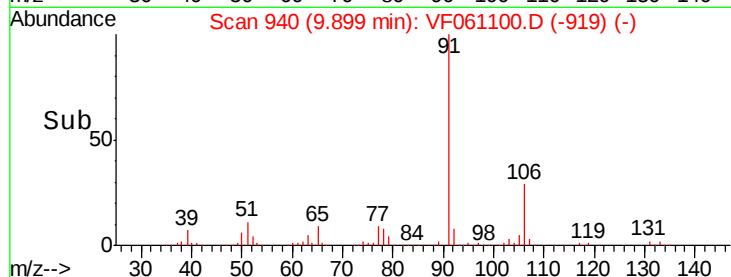
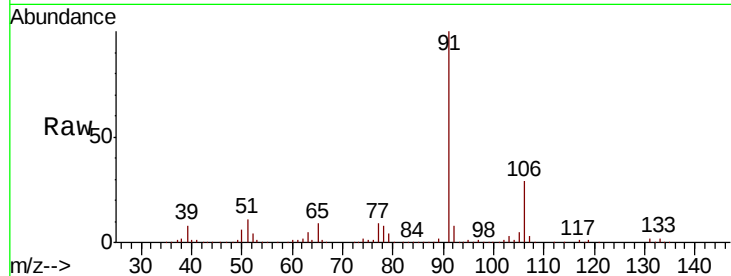
106 28.9 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 91.275 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061100.D

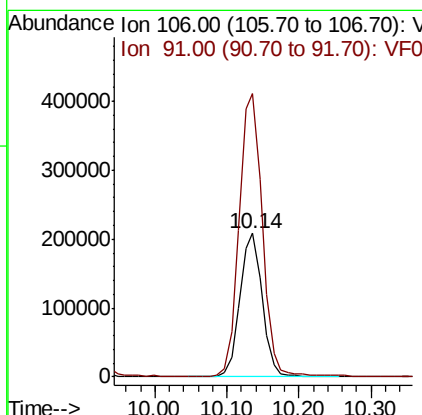
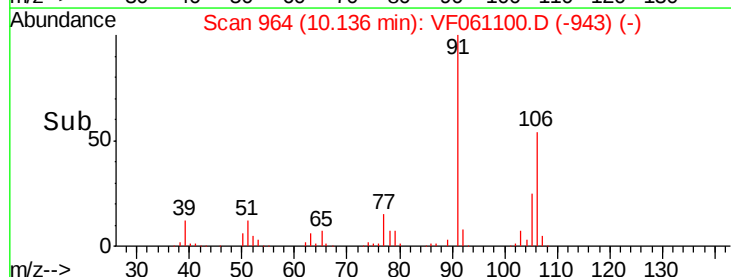
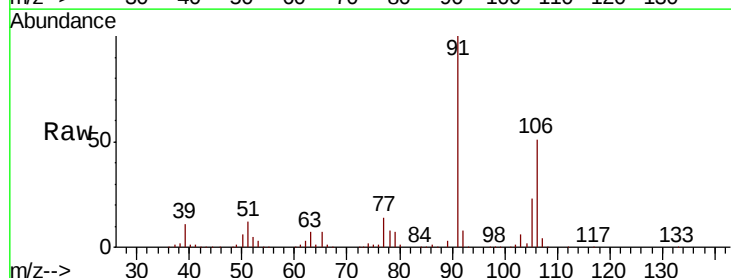
Acq: 20 Dec 2018 11:05

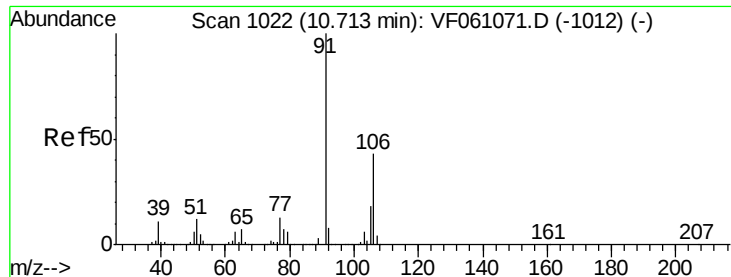
Tgt Ion: 106 Resp: 453151

Ion Ratio Lower Upper

106 100

91 196.8 168.2 252.2





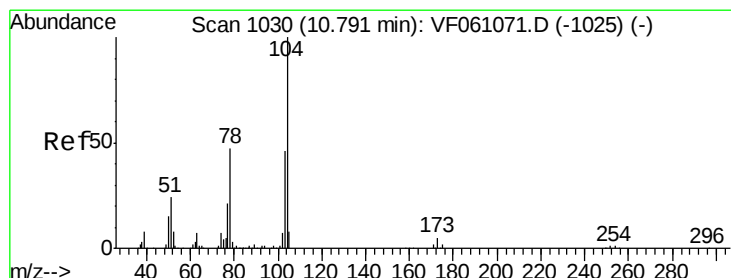
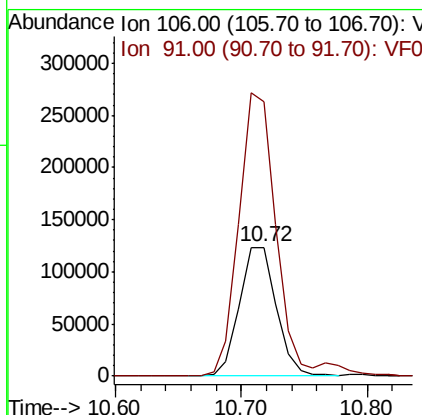
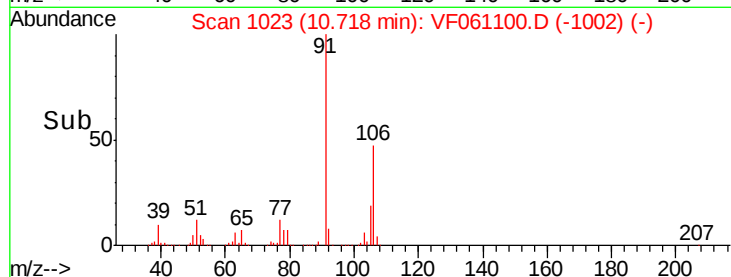
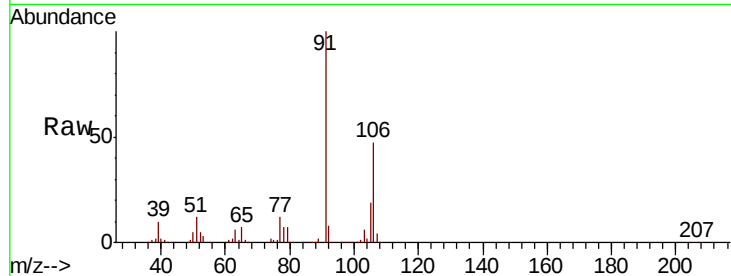
#69
o-Xylene
Concen: 45.822 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		252306		
91	212.8	115.9	347.7		

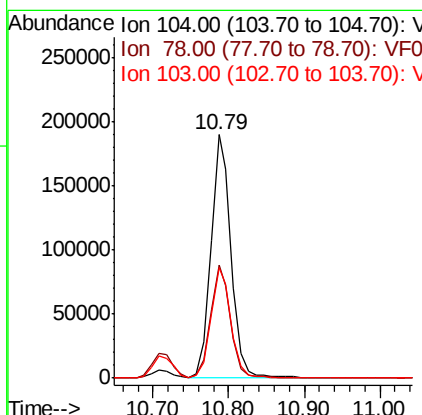
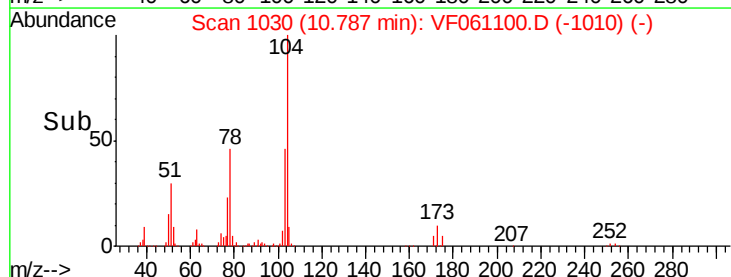
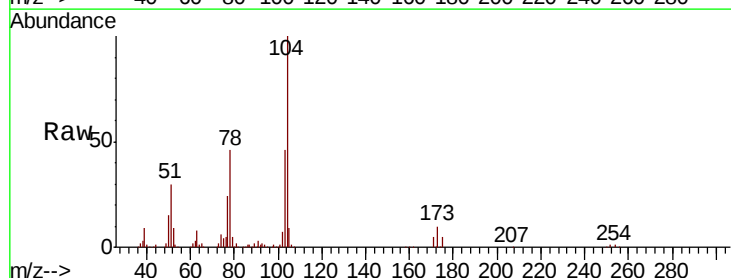
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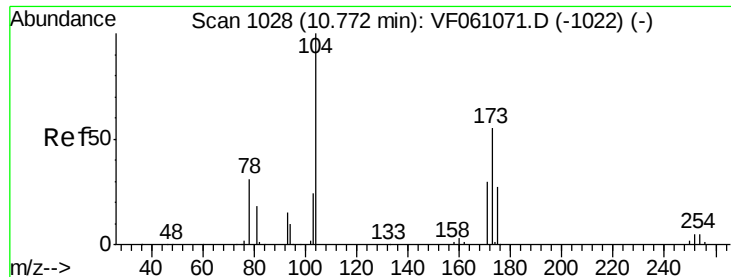
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#70
Styrene
Concen: 52.738 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		352051		
78	46.4	38.4	57.6		
103	45.6	37.0	55.6		





#71

Bromoform

Concen: 44.323 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 64890

Ion Ratio Lower Upper

173 100

175 46.6 24.8 74.4

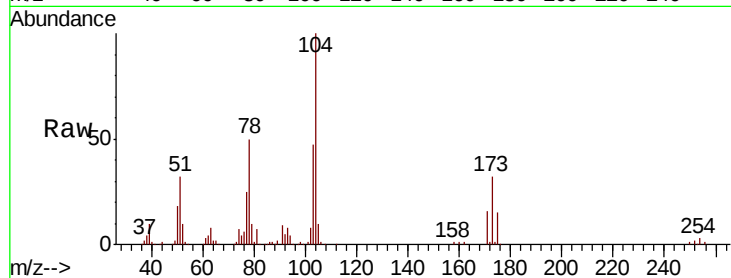
254 8.5 0.0 0.0#

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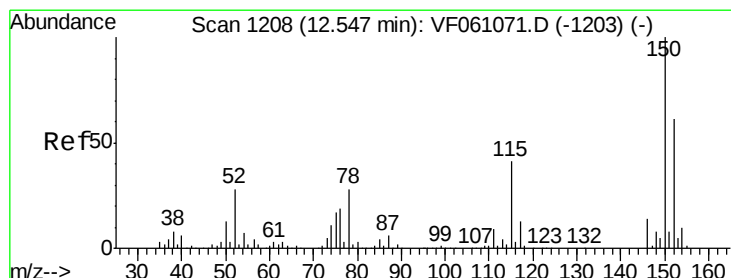
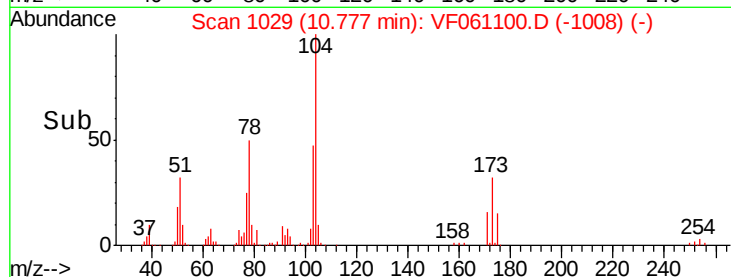
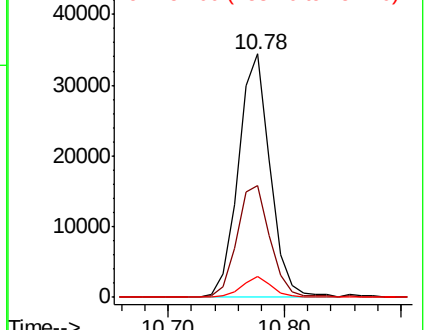


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

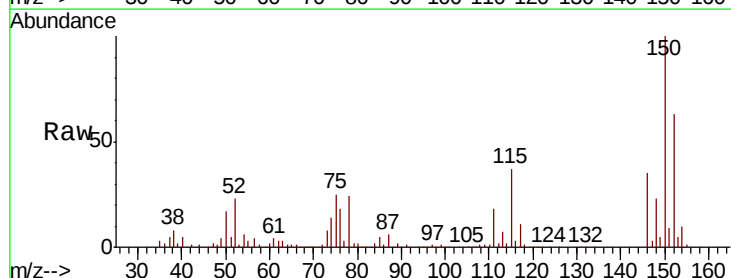
Tgt Ion:152 Resp: 174984

Ion Ratio Lower Upper

152 100

115 58.9 33.3 99.9

150 158.2 0.0 328.2

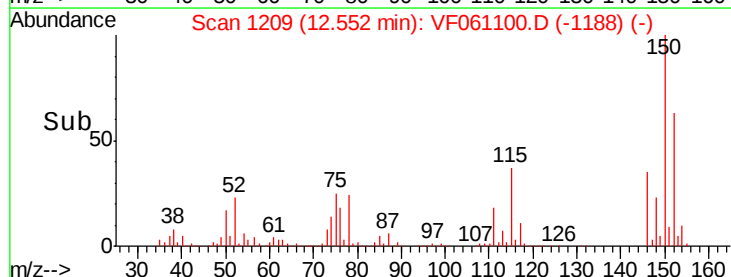
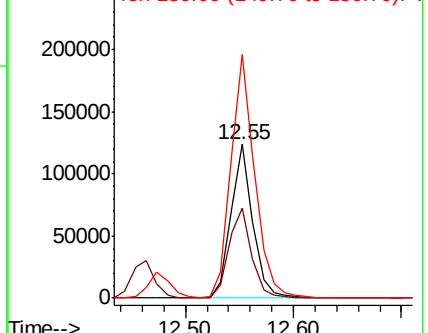


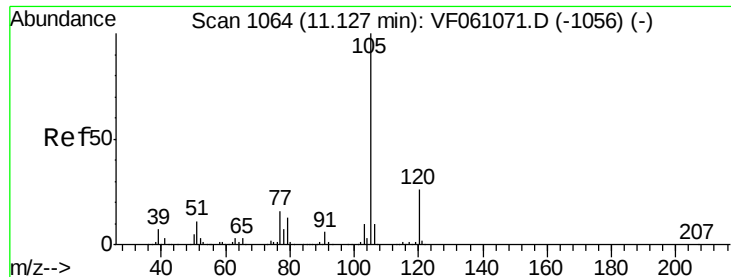
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





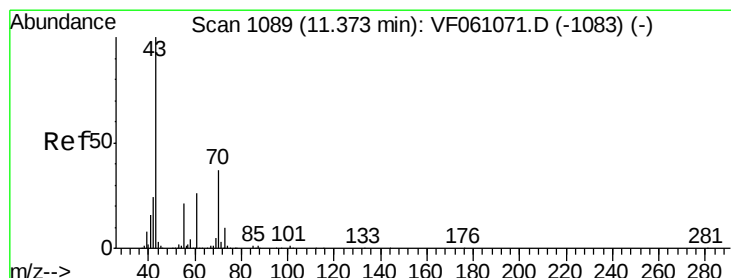
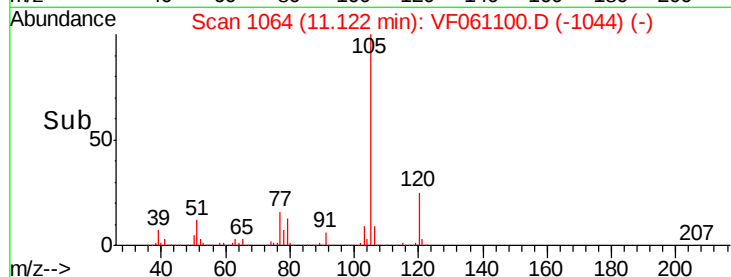
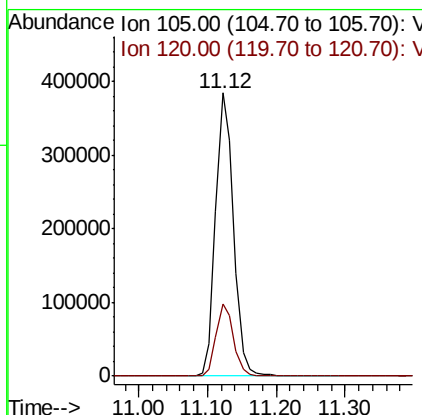
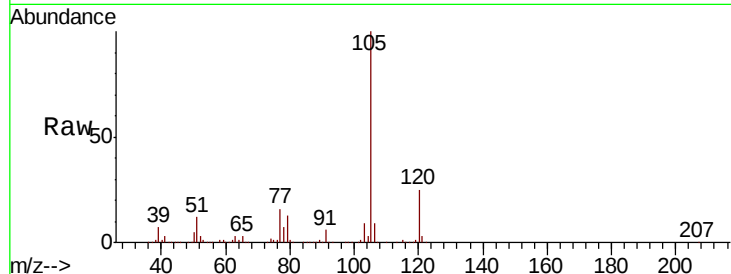
#73
Isopropylbenzene
Concen: 46.169 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

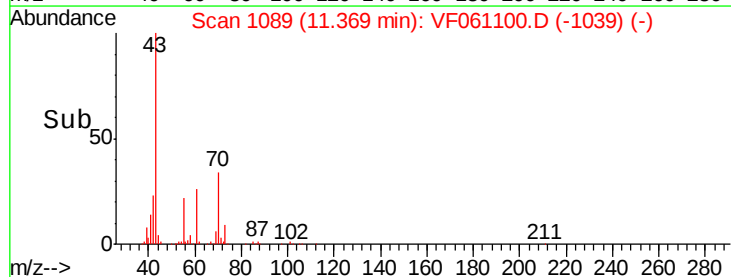
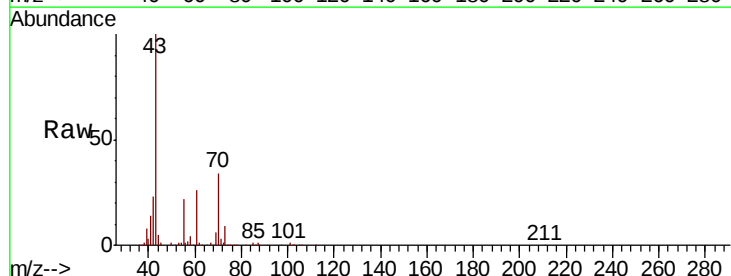
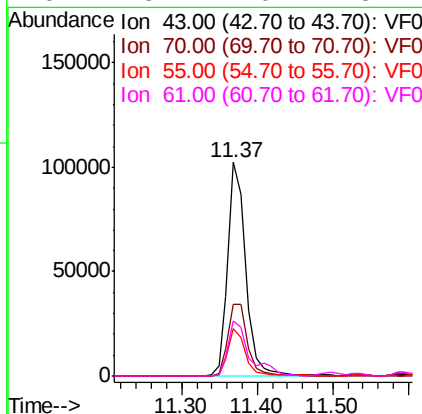
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#74
N-ethyl acetate
Concen: 50.711 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	33.9	29.2	43.8
55	22.3	16.5	24.7
61	25.7	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.124 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

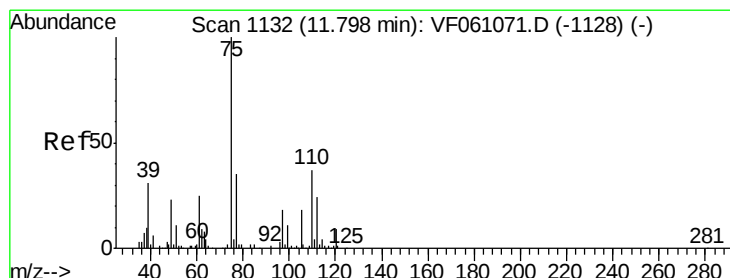
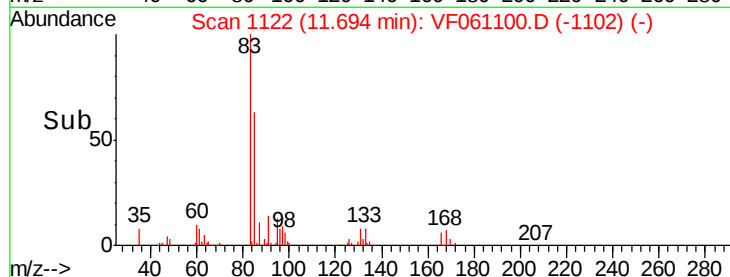
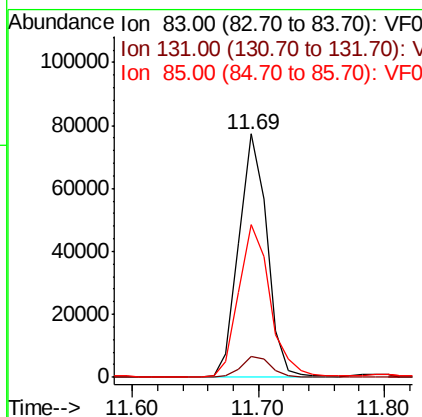
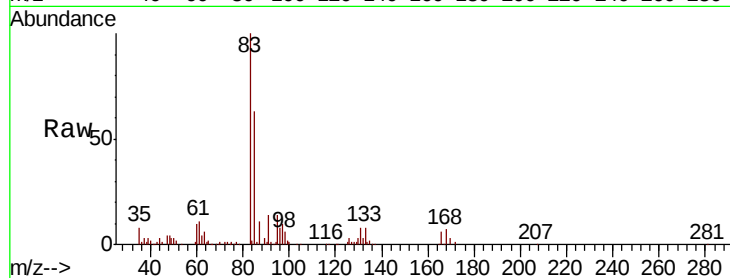
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120439
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.8	14.3
85	63.0	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 43.655 ug/l

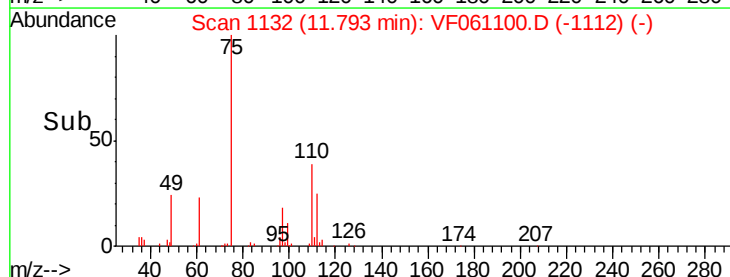
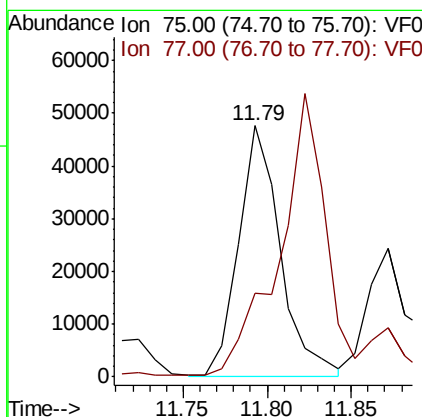
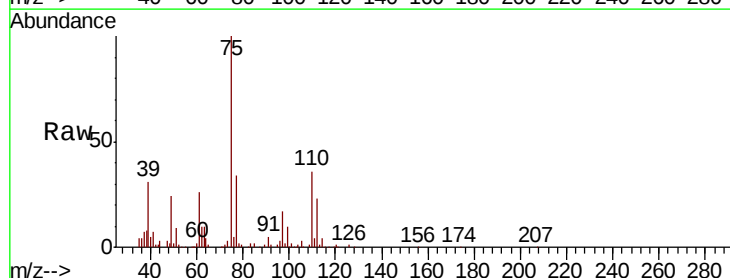
RT: 11.79 min Scan# 1132

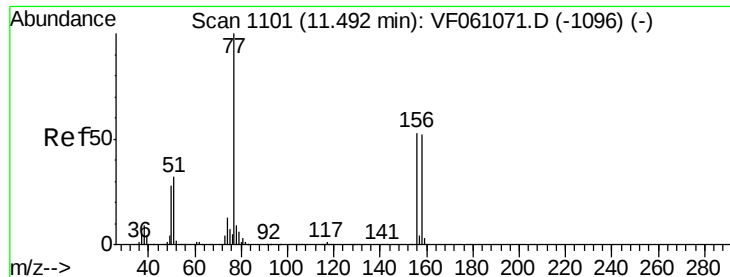
Delta R.T. -0.00 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	75	Resp:	81307
Ion Ratio	Lower	Upper	
75	100		
77	33.5	17.6	52.9





#77

Bromobenzene

Concen: 47.338 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

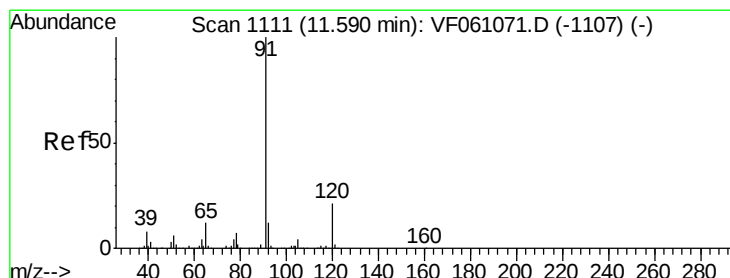
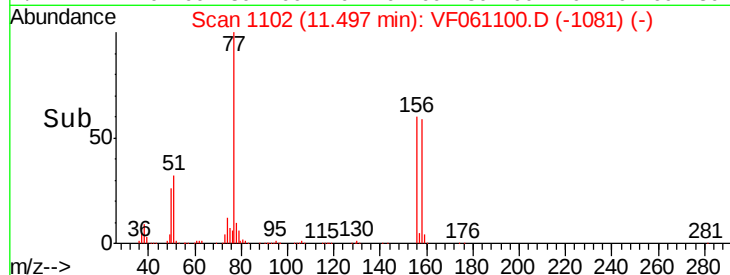
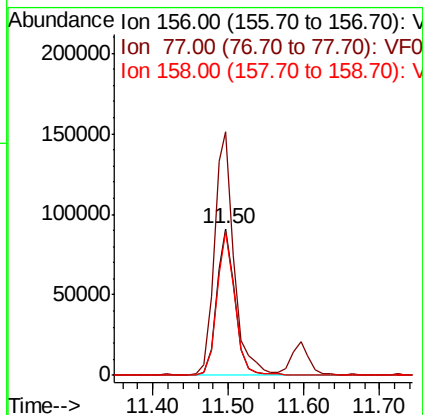
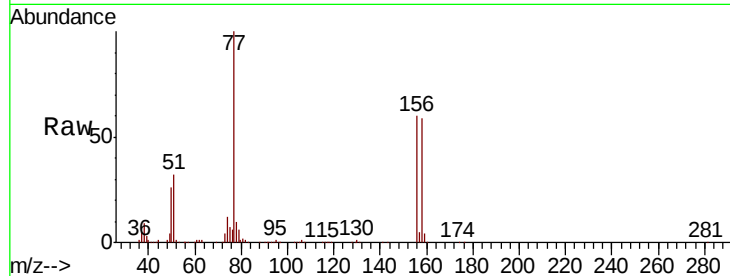
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	153663
Ion Ratio	Lower	Upper	
156	100		
77	165.8	93.8	281.4
158	97.6	48.9	146.8

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#78

n-propylbenzene

Concen: 47.090 ug/l

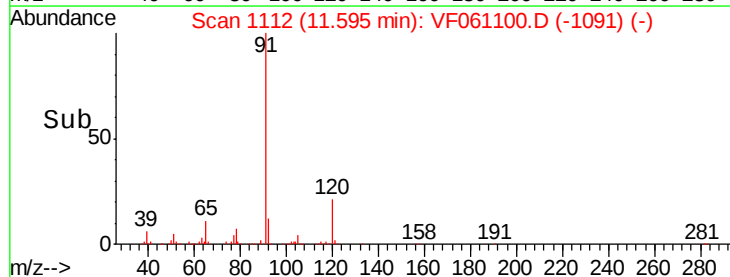
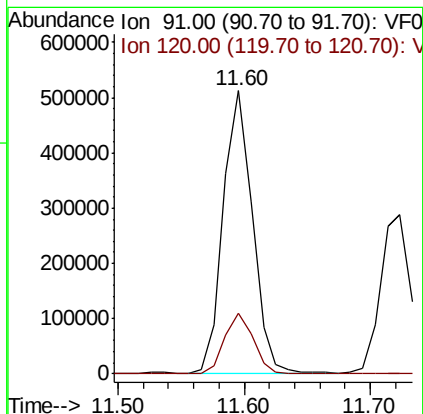
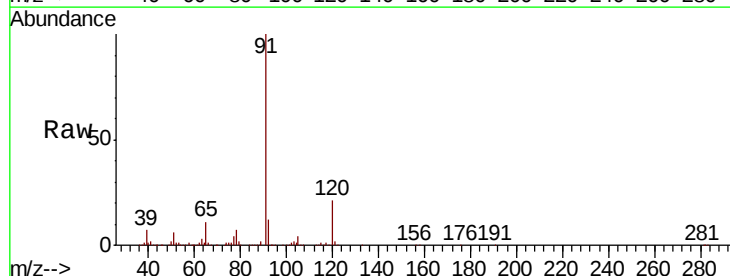
RT: 11.60 min Scan# 1112

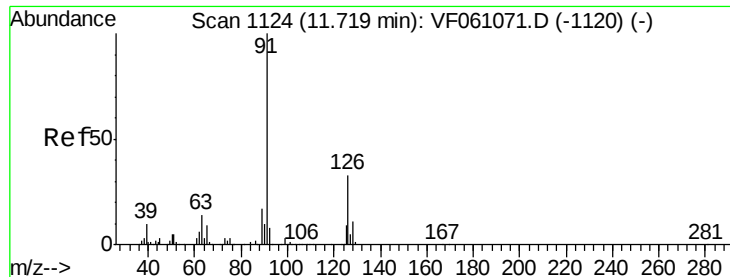
Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	91	Resp:	827447
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.4	31.2





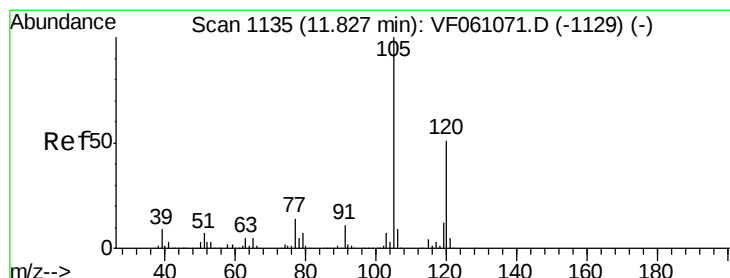
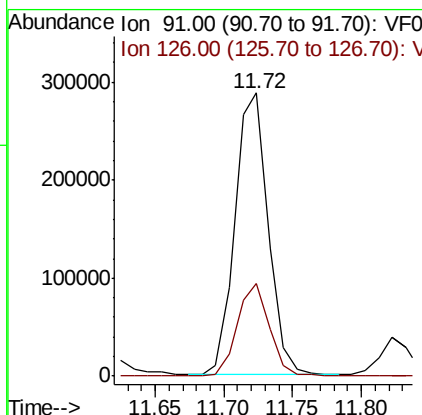
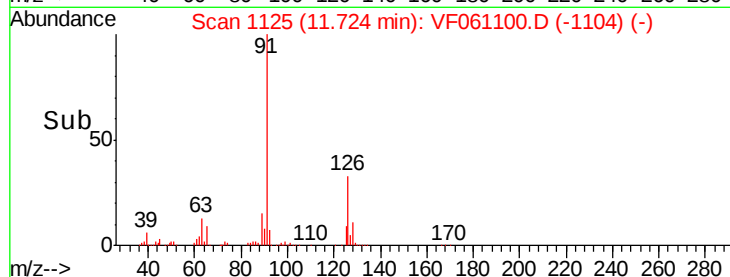
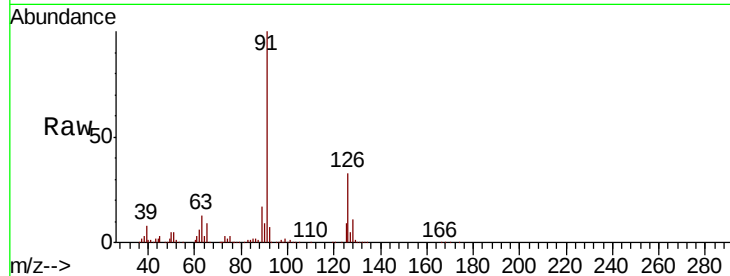
#79
 2-Chlorotoluene
 Concen: 46.623 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.1

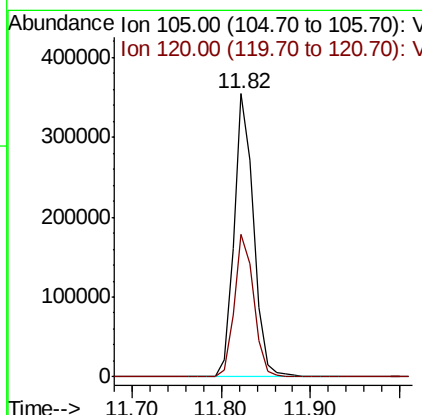
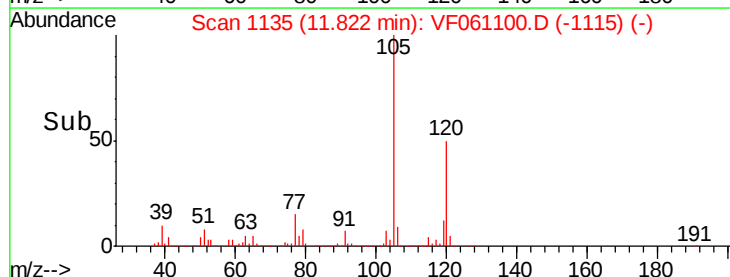
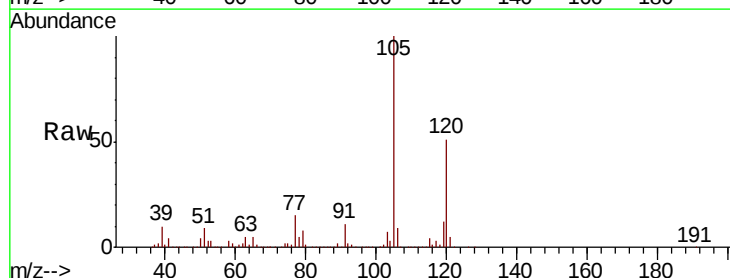
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#80
 1,3,5-Trimethylbenzene
 Concen: 43.980 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 50.072 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 40074

Ion Ratio Lower Upper

75 100

53 73.3 74.1 111.1#

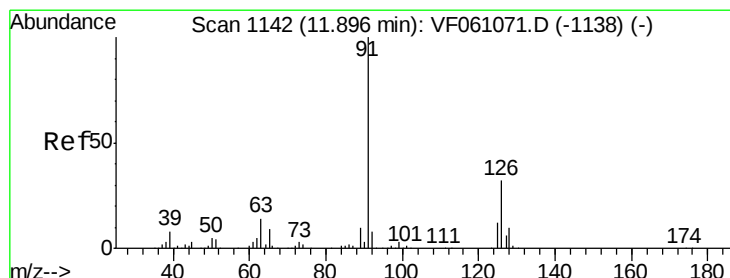
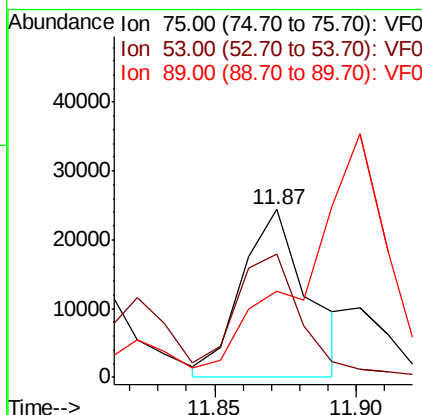
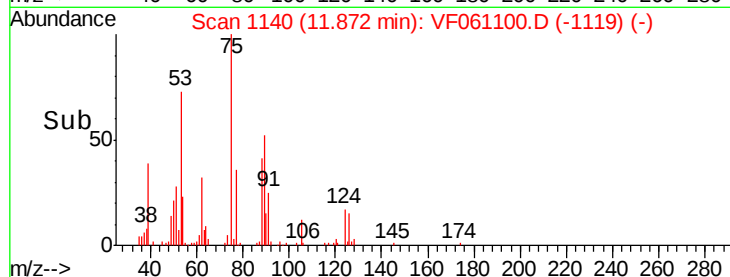
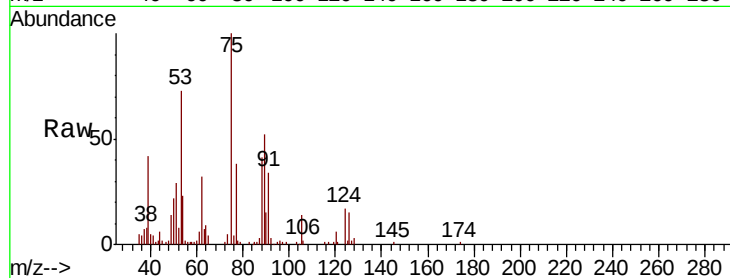
89 51.7 42.6 64.0

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#82

4-Chlorotoluene

Concen: 44.603 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061100.D

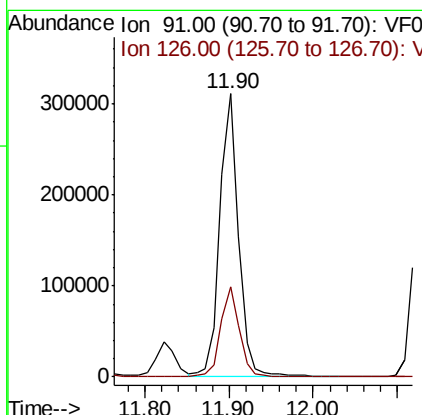
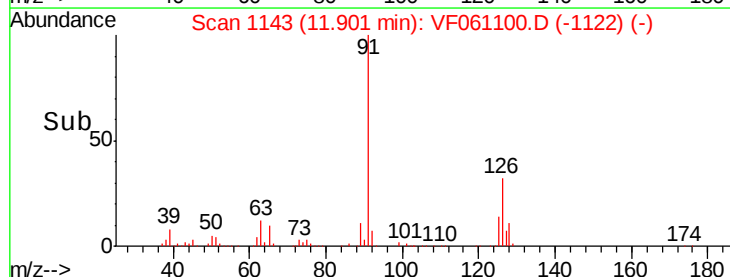
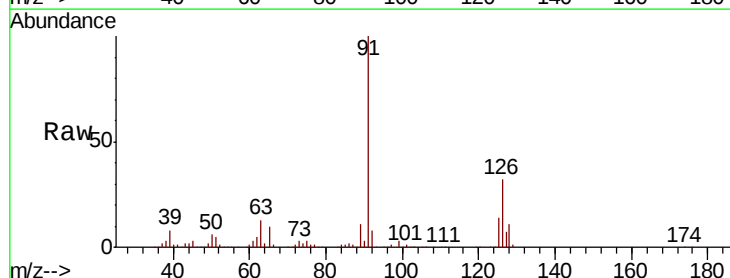
Acq: 20 Dec 2018 11:05

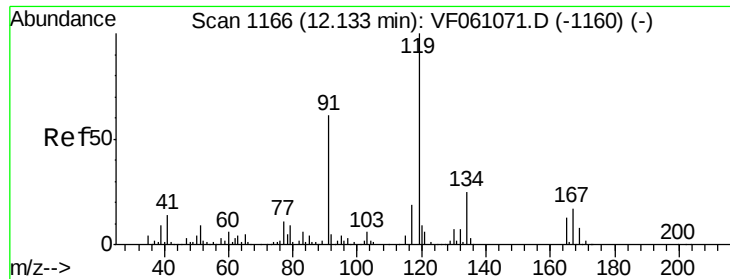
Tgt Ion: 91 Resp: 477301

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9





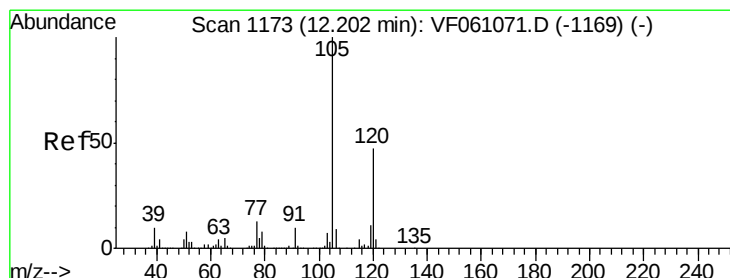
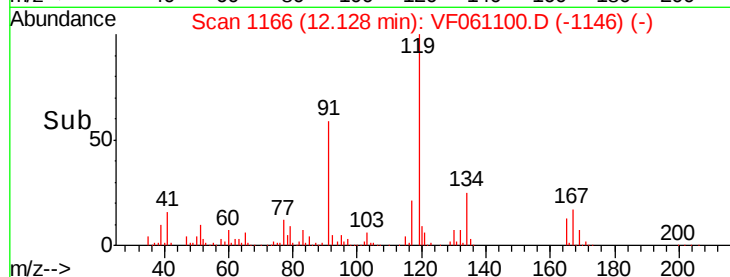
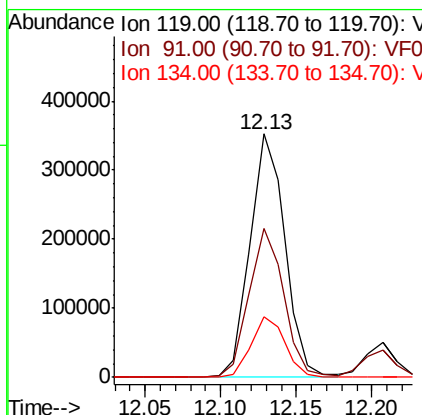
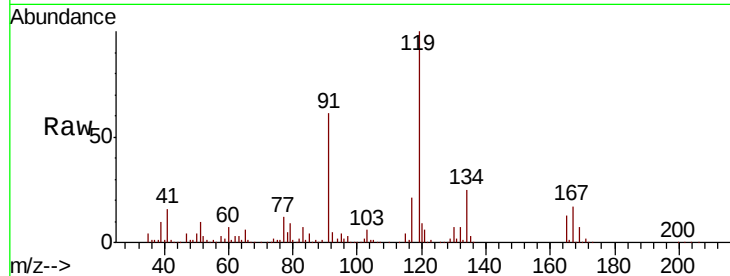
#83
tert-Butylbenzene
Concen: 44.600 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	569861		
91	61.1	30.5	91.5	
134	24.9	12.4	37.4	

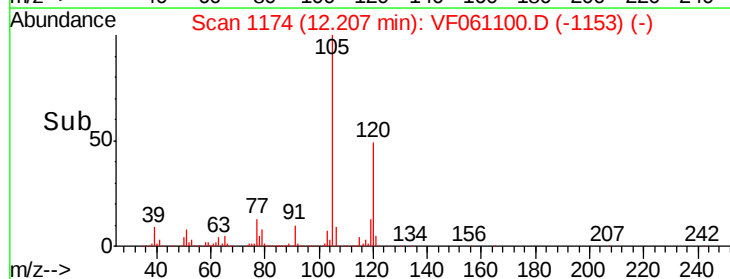
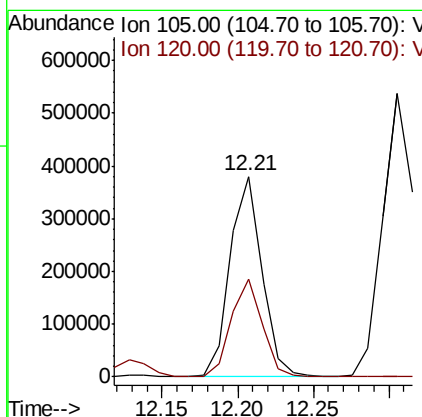
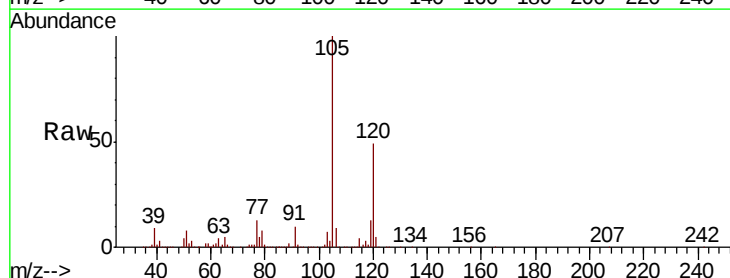
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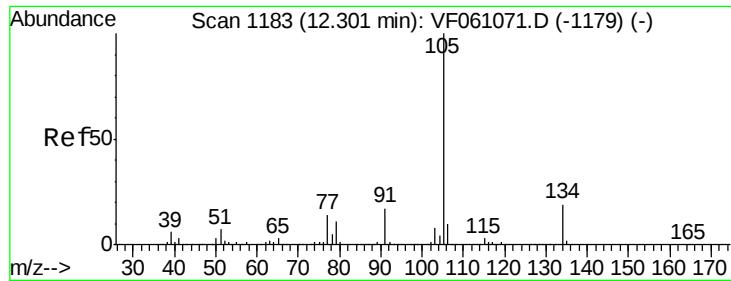
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#84
1,2,4-Trimethylbenzene
Concen: 45.157 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	559143		
120	48.7	23.6	71.0	





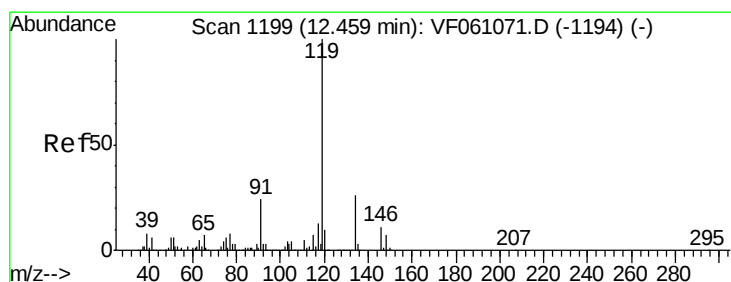
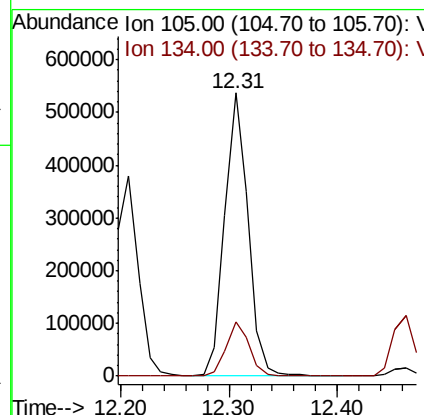
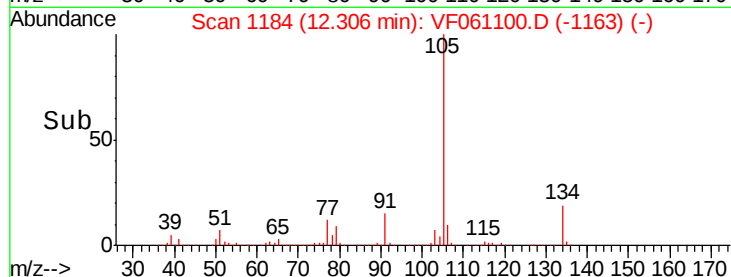
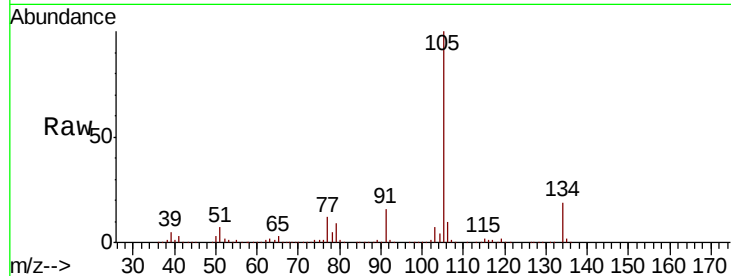
#85
 sec-Butylbenzene
 Concen: 48.306 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	805461		
134	19.3	9.4	28.2	

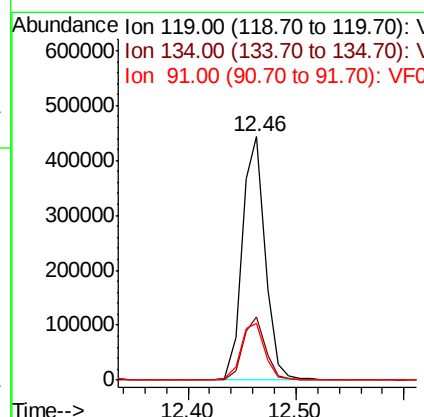
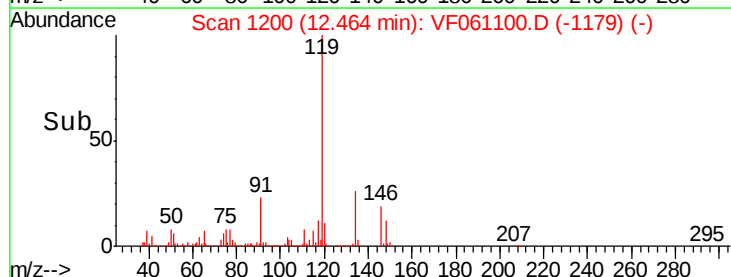
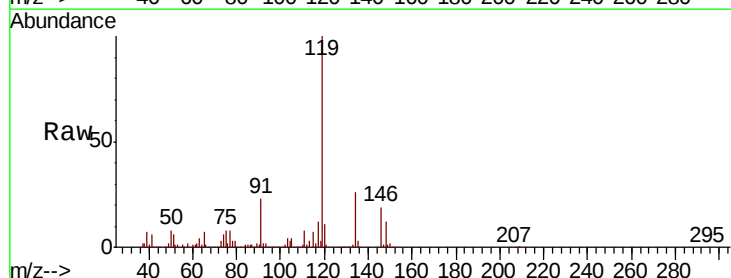
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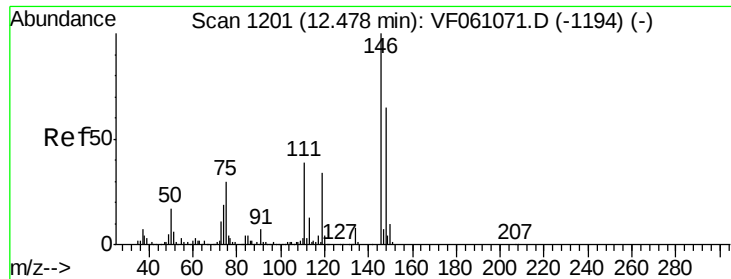
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#86
 p-Isopropyltoluene
 Concen: 47.130 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	652297		
134	26.0	12.8	38.4	
91	23.4	12.2	36.6	





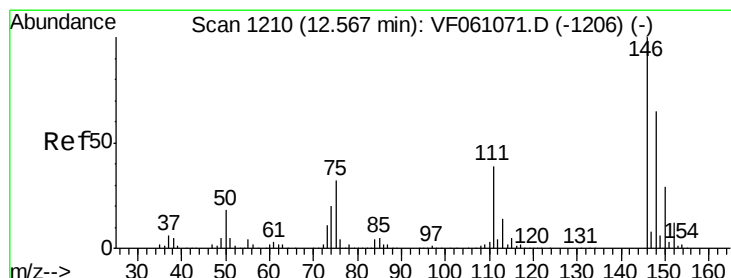
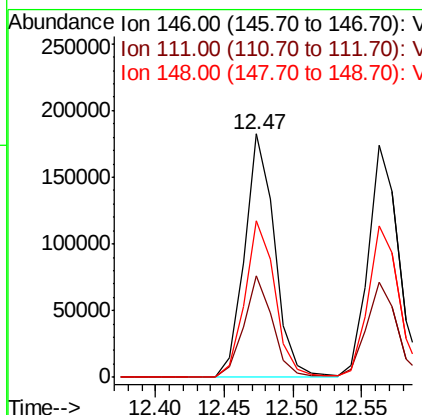
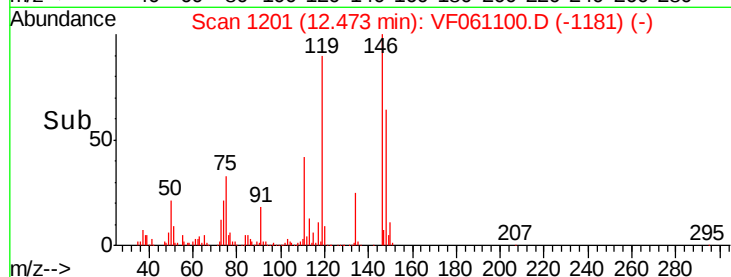
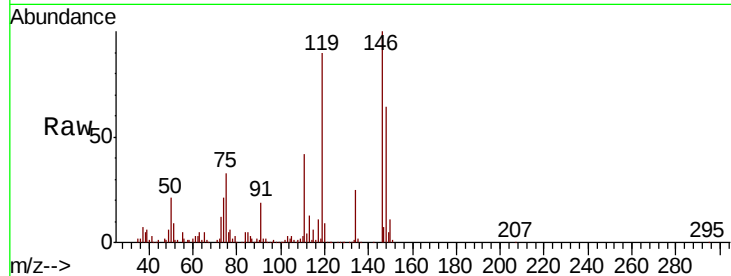
#87
 1,3-Dichlorobenzene
 Concen: 53.056 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.3	57.9
148	64.4	32.4	97.2

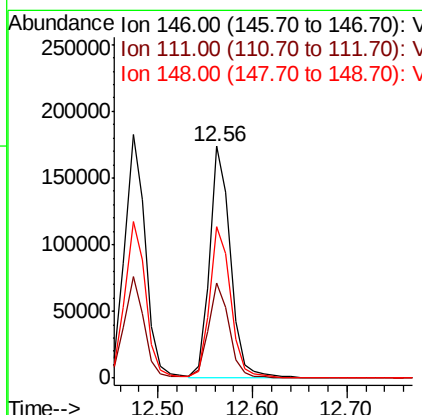
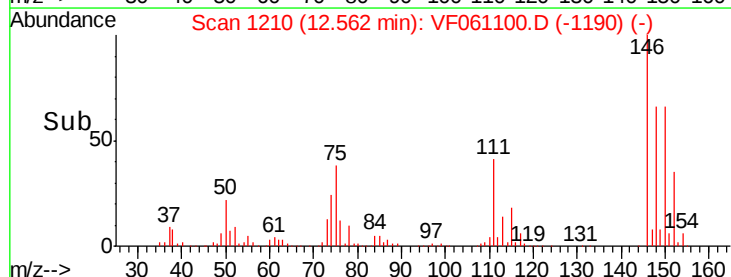
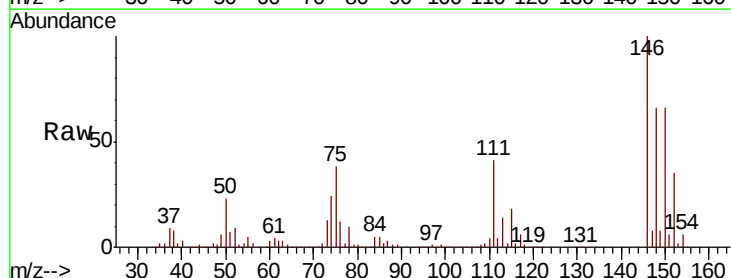
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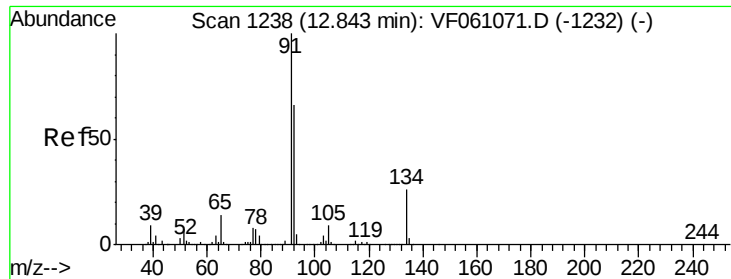
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#88
 1,4-Dichlorobenzene
 Concen: 45.003 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.4	58.4
148	65.6	32.4	97.0





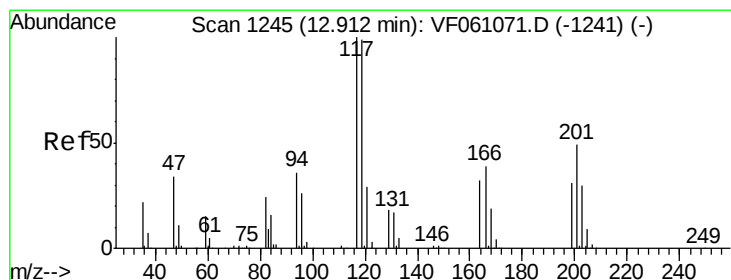
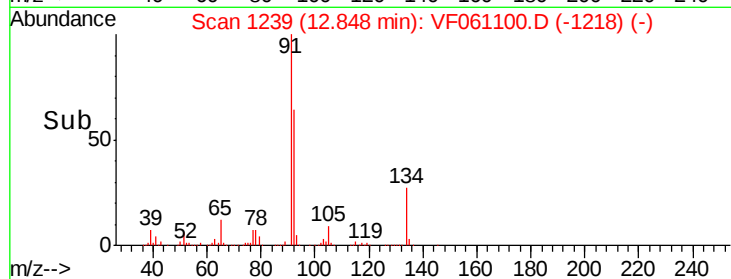
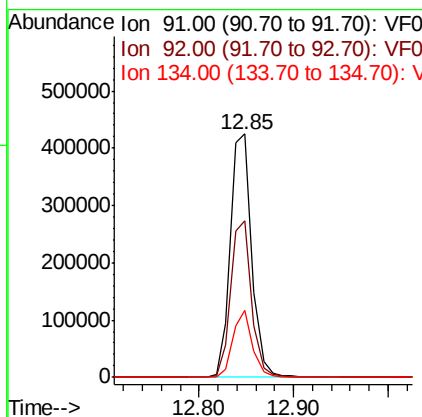
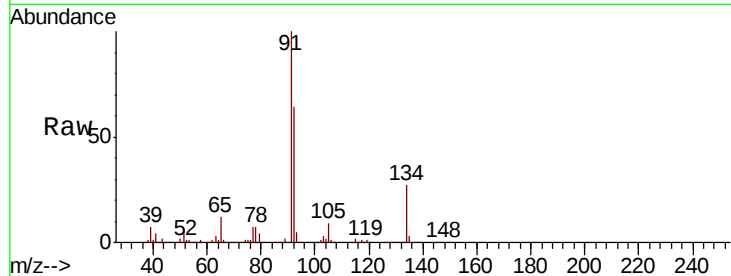
#89
n-Butylbenzene
Concen: 46.945 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.4	32.8	98.4
134	27.3	13.2	39.5

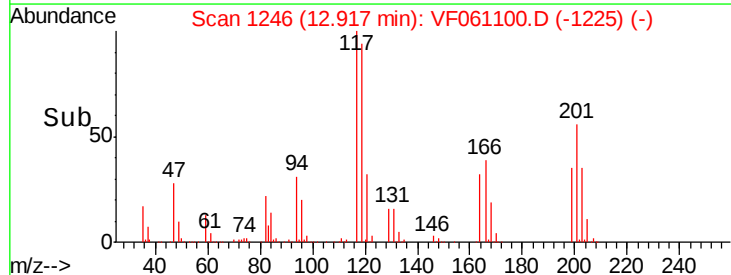
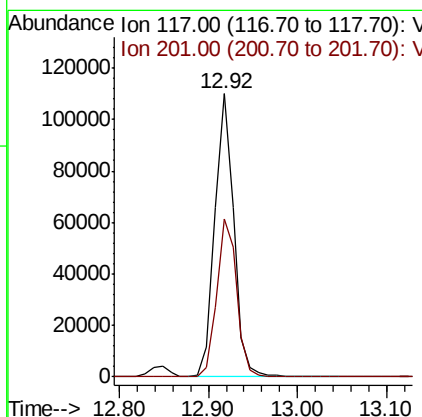
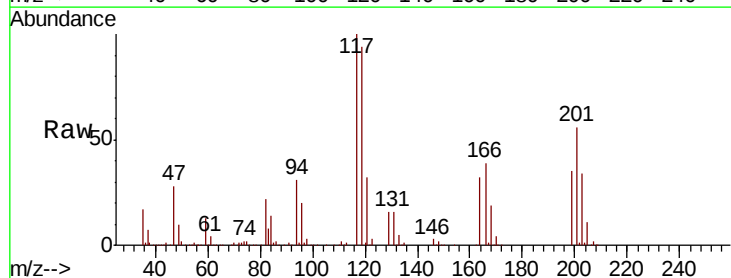
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#90
Hexachloroethane
Concen: 47.762 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061100.D
Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.0	24.9	74.8





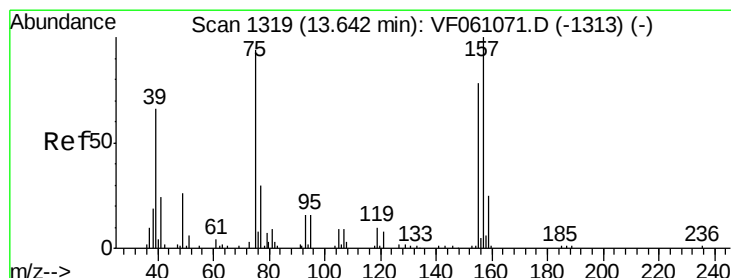
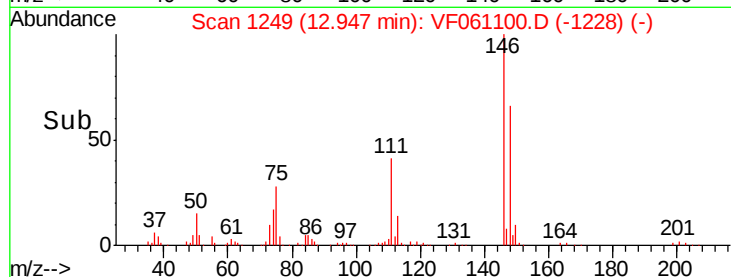
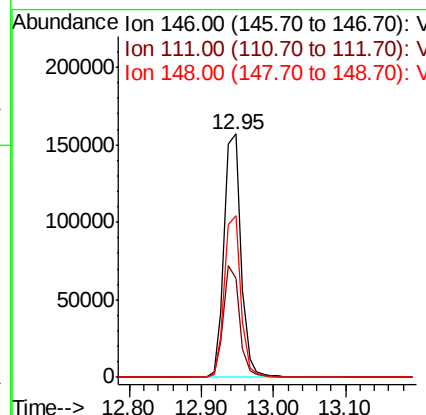
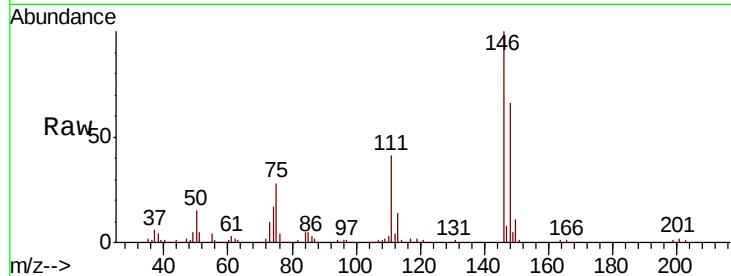
#91
 1,2-Dichlorobenzene
 Concen: 43.832 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	254361		
111	40.8	23.2	69.5	
148	66.3	32.4	97.0	

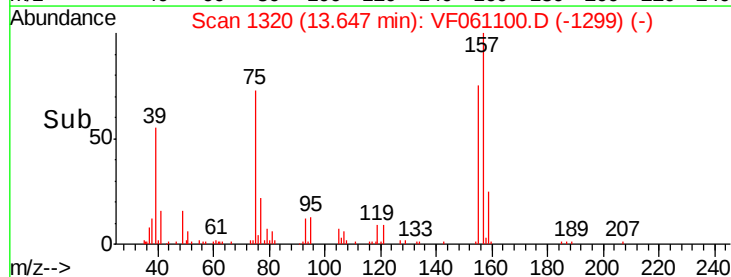
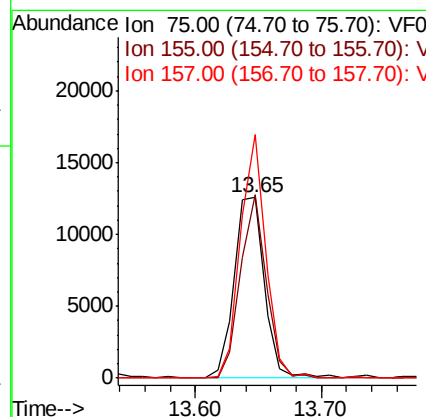
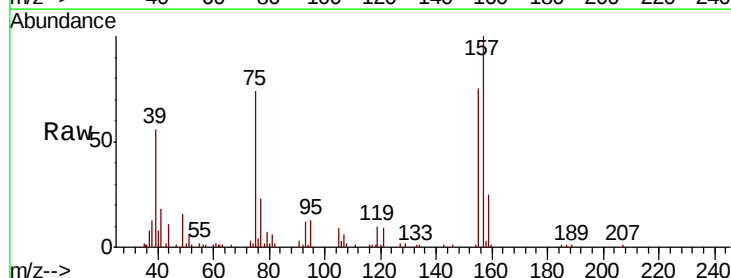
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.352 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20828		
155	101.7	41.5	124.5	
157	134.7	53.2	159.6	





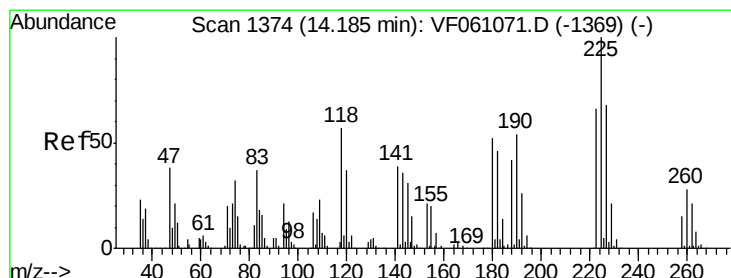
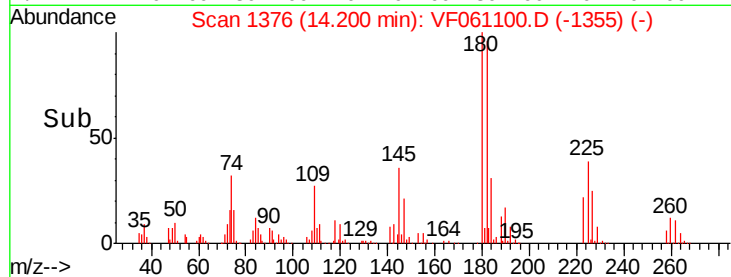
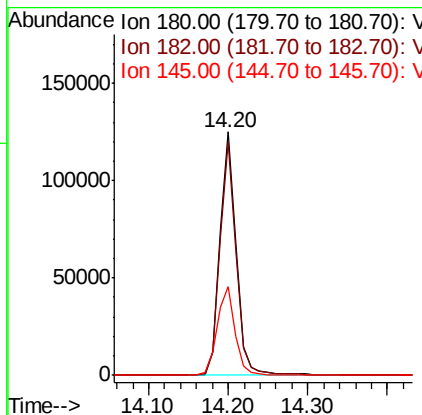
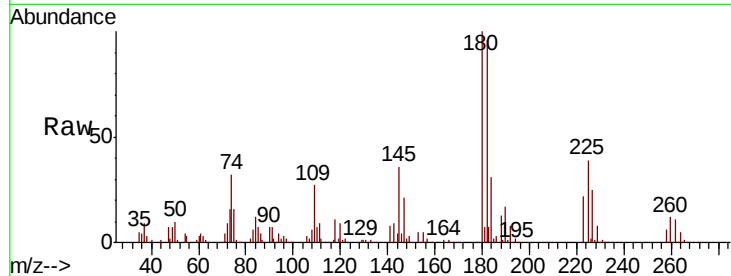
#93
 1,2,4-Trichlorobenzene
 Concen: 44.438 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182885		
182	96.0	46.9	140.6	
145	36.4	20.5	61.6	

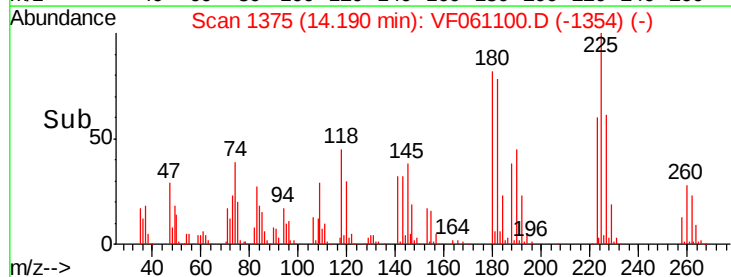
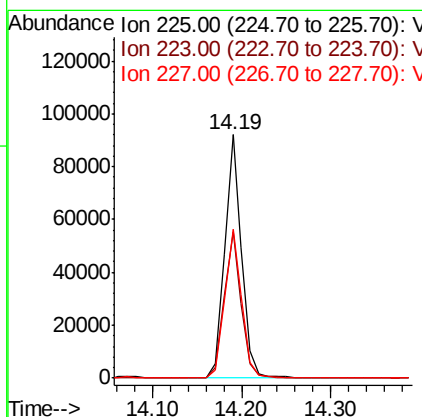
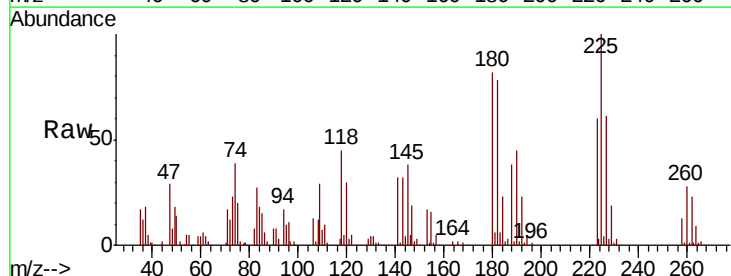
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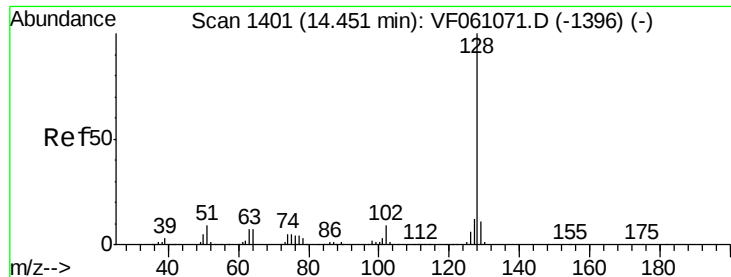
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#94
 Hexachlorobutadiene
 Concen: 47.004 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061100.D
 Acq: 20 Dec 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123207		
223	60.4	32.8	98.3	
227	61.1	34.0	101.8	





#95

Naphthalene

Concen: 45.328 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Instrument :

MSVOA_F

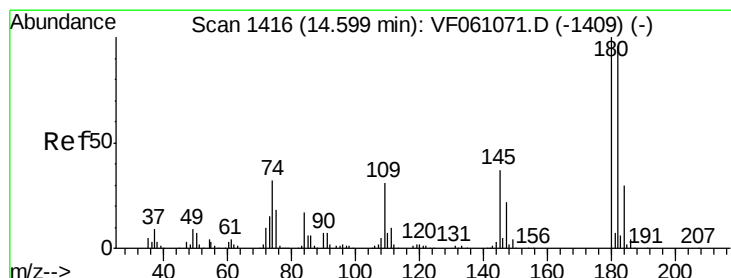
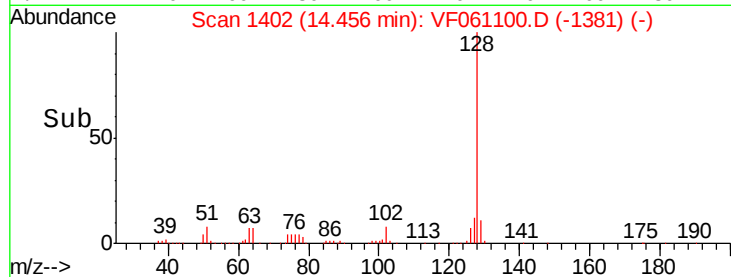
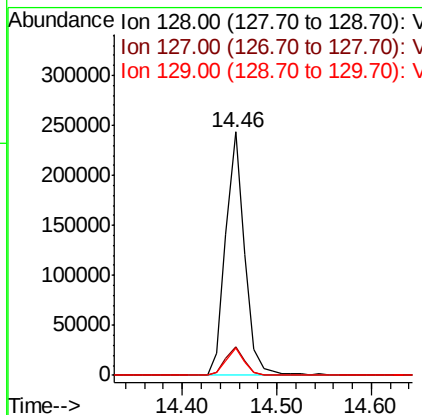
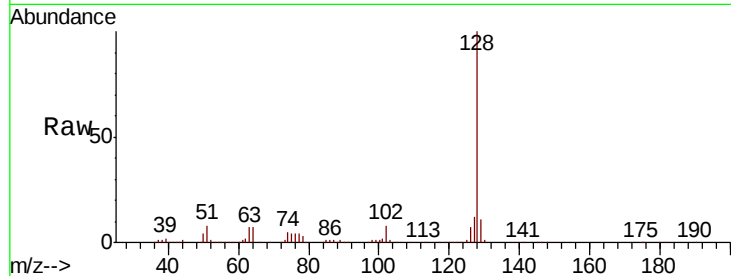
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	340648
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.4	14.2
129	11.3	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 43.686 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF061100.D

Acq: 20 Dec 2018 11:05

Tgt Ion:	180	Resp:	166207
Ion Ratio	Lower	Upper	
180	100		
182	101.0	47.9	143.8
145	34.6	18.6	55.8

