

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060648.D
 Acq On : 8 Nov 2018 14:00
 Operator : VA/AP
 Sample : VF1108SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Manual Integrations
 APPROVED

apatel
 11/9/2018 3:31:45 PM

Quant Time: Nov 09 13:22:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	255718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	455140	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	392623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	209847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	153543	59.43	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	118.86%	
35) Dibromofluoromethane	4.11	113	187375	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	7.55	98	497024	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.41	95	220984	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	89304	31.979	ug/l	99
3) Chloromethane	1.09	50	59539	26.603	ug/l #	88
4) Vinyl Chloride	1.14	62	54794	26.570	ug/l	94
5) Bromomethane	1.30	94	29811	25.752	ug/l #	78
6) Chloroethane	1.37	64	17956	21.681	ug/l #	87
7) Trichlorofluoromethane	1.49	101	102144	26.463	ug/l	97
8) Diethyl Ether	1.62	74	13903	19.434	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	52400	23.757	ug/l	99
10) Methyl Iodide	1.88	142	83942m	23.126	ug/l	
11) Tert butyl alcohol	2.56	59	17249	124.064	ug/l	92
12) 1,1-Dichloroethene	1.78	96	42039	22.629	ug/l	91
13) Acrolein	2.00	56	9902	96.100	ug/l	95
14) Allyl chloride	2.09	41	73782	24.324	ug/l	92
15) Acrylonitrile	2.93	53	35290	114.607	ug/l	97
16) Acetone	2.24	43	94402	155.057	ug/l	96
17) Carbon Disulfide	1.80	76	121526	23.223	ug/l	100
18) Methyl Acetate	2.33	43	23658	25.256	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	116374	26.798	ug/l	99
20) Methylene Chloride	2.18	84	44666m	21.645	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	46408	23.812	ug/l	96
22) Diisopropyl ether	2.80	45	153110	23.824	ug/l	99
23) Vinyl Acetate	3.18	43	448901	116.253	ug/l	98
24) 1,1-Dichloroethane	2.87	63	95283	25.618	ug/l #	96
25) 2-Butanone	4.33	43	159225	122.730	ug/l	95
26) 2,2-Dichloropropane	3.59	77	69922	25.124	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	86815	23.334	ug/l	99
28) Bromochloromethane	3.72	49	55859	23.931	ug/l	94
29) Tetrahydrofuran	4.06	42	61747	131.845	ug/l	95
30) Chloroform	3.85	83	147643	25.090	ug/l	98
31) Cyclohexane	3.69	56	125686	24.487	ug/l	95
32) 1,1,1-Trichloroethane	4.09	97	111198	27.056	ug/l	96
36) 1,1-Dichloropropene	4.27	75	104258	20.804	ug/l	97
37) Ethyl Acetate	4.10	43	55576	23.102	ug/l	95
38) Carbon Tetrachloride	3.98	117	104793	24.472	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	140624	22.994	ug/l	94
40) Benzene	4.62	78	276279	22.712	ug/l	99
41) Methacrylonitrile	4.73	41	29942	21.978	ug/l #	88
42) 1,2-Dichloroethane	4.94	62	82139	23.527	ug/l	97
43) Isopropyl Acetate	6.95	43	62859	20.657	ug/l #	97
44) Trichloroethene	5.50	130	77605	21.227	ug/l	97
45) 1,2-Dichloropropane	6.23	63	65535	21.065	ug/l	99
46) Dibromomethane	6.08	93	44323	22.457	ug/l	98
47) Bromodichloromethane	6.38	83	107498	22.581	ug/l	97
48) Methyl methacrylate	6.71	41	39070	20.429	ug/l	97
49) 1,4-Dioxane	6.71	88	7778	388.780	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	237317	115.975	ug/l	96
52) Toluene	7.62	92	163666	20.654	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	86144	20.820	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	109641	20.973	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	50571	21.931	ug/l	95
56) Ethyl methacrylate	8.62	69	59483	20.050	ug/l	93
57) 1,3-Dichloropropane	8.84	76	84075	20.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	23136	110.255	ug/l	100
59) 2-Hexanone	9.49	43	182351	121.412	ug/l	98
60) Dibromochloromethane	8.71	129	69514	21.556	ug/l	100
61) 1,2-Dibromoethane	8.98	107	52796	21.773	ug/l	91
64) Tetrachloroethene	8.14	164	65525	21.295	ug/l	97
65) Chlorobenzene	9.79	112	174546	21.739	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	73496	21.663	ug/l	96
67) Ethyl Benzene	9.89	91	323232	22.184	ug/l	97
68) m/p-Xylenes	10.13	106	226016	41.180	ug/l	92
69) o-Xylene	10.71	106	133511	22.278	ug/l	94
70) Styrene	10.79	104	183424	21.126	ug/l	97
71) Bromoform	10.77	173	35675	20.360	ug/l	100
73) Isopropylbenzene	11.12	105	378126	23.105	ug/l	95
74) N-amyl acetate	11.37	43	95099	20.857	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	73816	24.711	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	31989	21.790	ug/l	95
77) Bromobenzene	11.50	156	78021	21.788	ug/l	82
78) n-propylbenzene	11.59	91	445001	23.240	ug/l	97
79) 2-Chlorotoluene	11.72	91	251253	22.977	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	312215	23.145	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	24300m	21.062	ug/l	
82) 4-Chlorotoluene	11.89	91	257104	22.536	ug/l	98
83) tert-Butylbenzene	12.13	119	324413	23.541	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	306574	23.207	ug/l	93
85) sec-Butylbenzene	12.31	105	430793	22.724	ug/l	100
86) p-Isopropyltoluene	12.46	119	353111	22.619	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	152872	21.750	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	148506	22.276	ug/l	98
89) n-Butylbenzene	12.84	91	367116	21.653	ug/l	95
90) Hexachloroethane	12.92	117	89700	22.594	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	152794	23.236	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	11855	22.843	ug/l	91

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	106352	23.807	ug/l	96
94) Hexachlorobutadiene	14.19	225	63202	21.833	ug/l	96
95) Naphthalene	14.46	128	204164	22.834	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	98274	23.288	ug/l	97

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

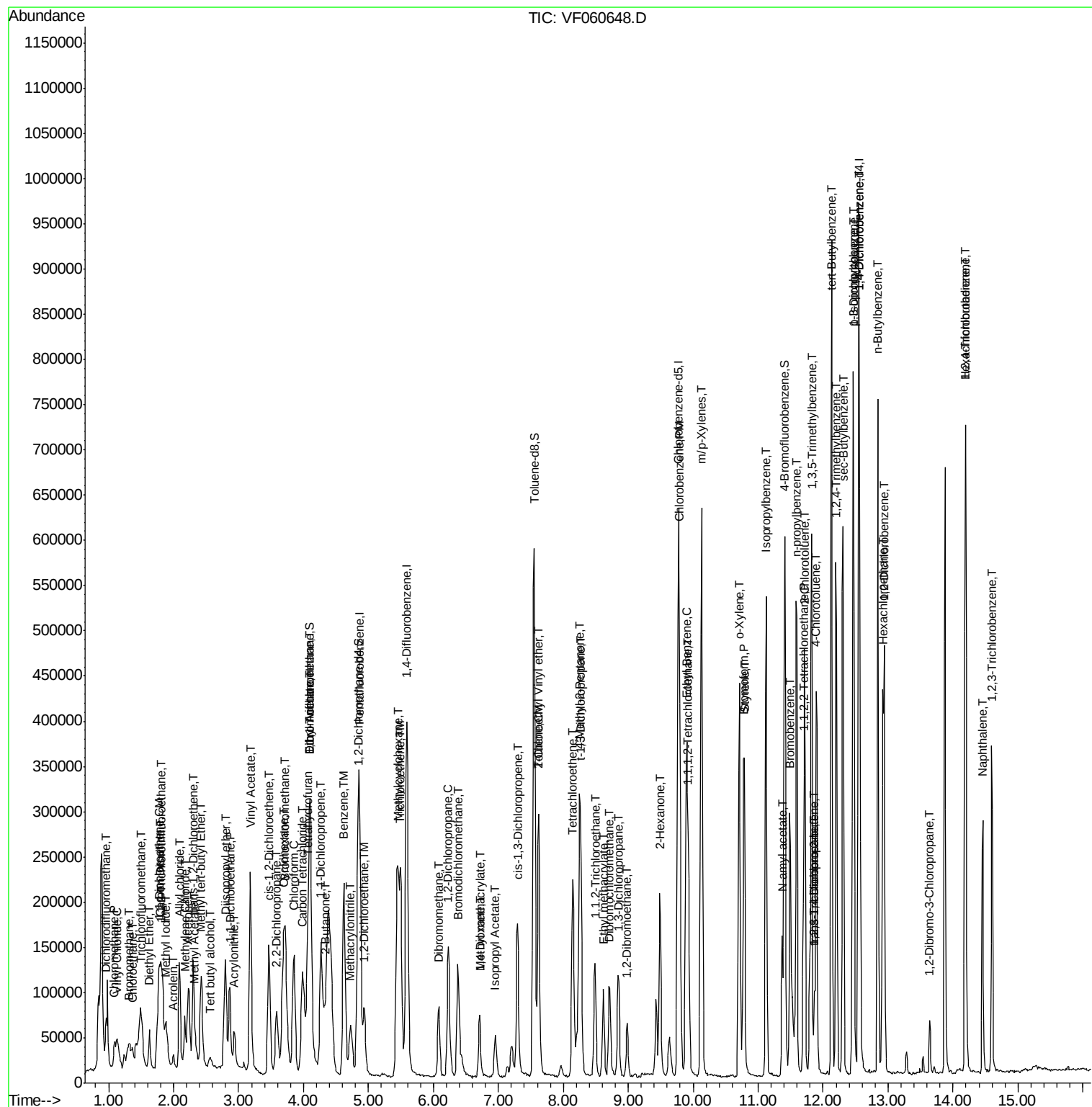
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110818\
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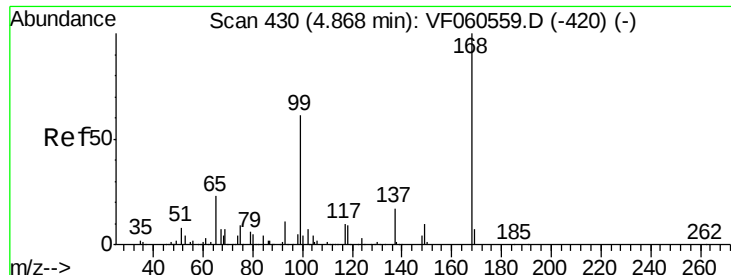
Instrument :
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 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion:168 Resp: 255718

Ion Ratio Lower Upper

168 100

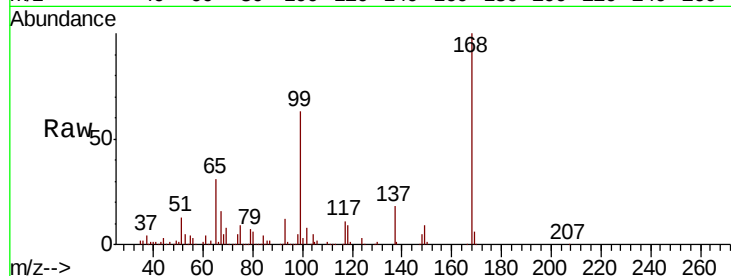
99 62.8 48.6 72.8

Manual Integrations

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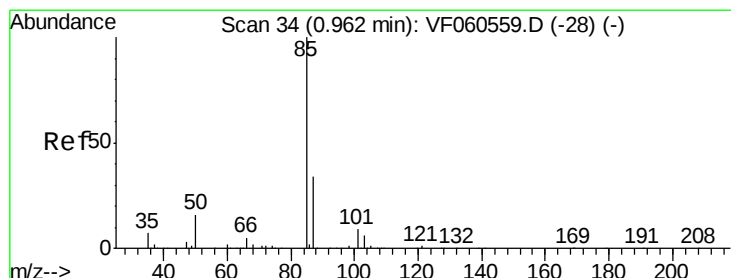
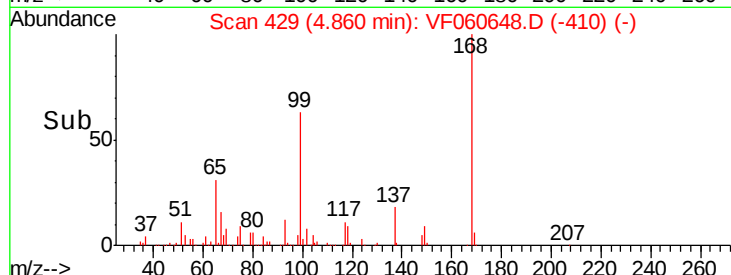
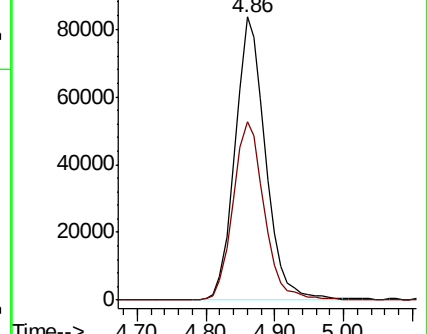
apatel

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 31.979 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060648.D

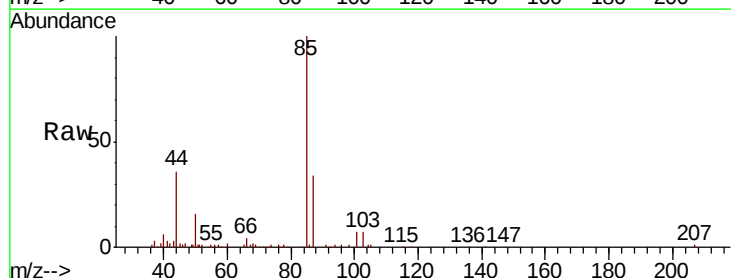
Acq: 8 Nov 2018 14:00

Tgt Ion: 85 Resp: 89304

Ion Ratio Lower Upper

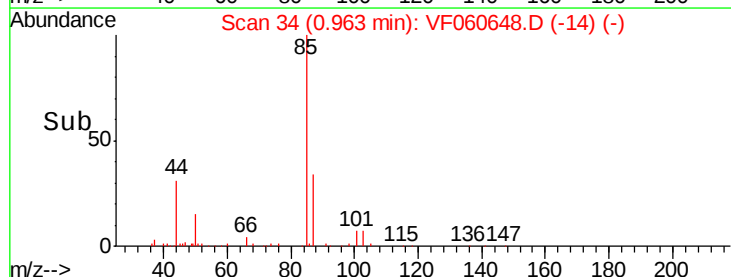
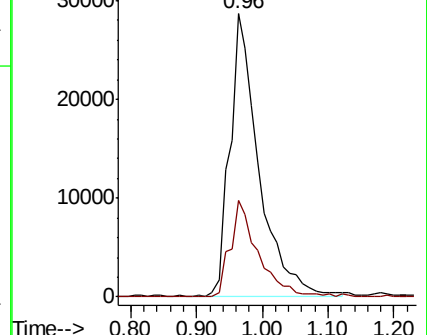
85 100

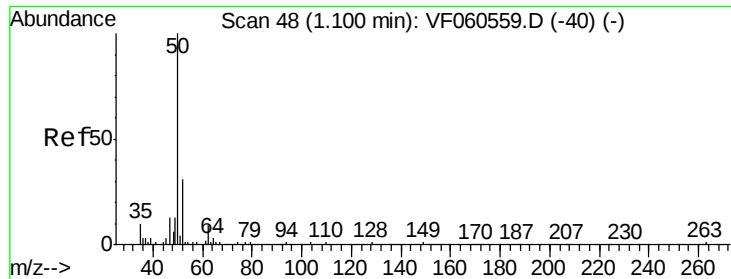
87 34.2 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 26.603 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 50 Resp: 59539

Ion Ratio Lower Upper

50 100

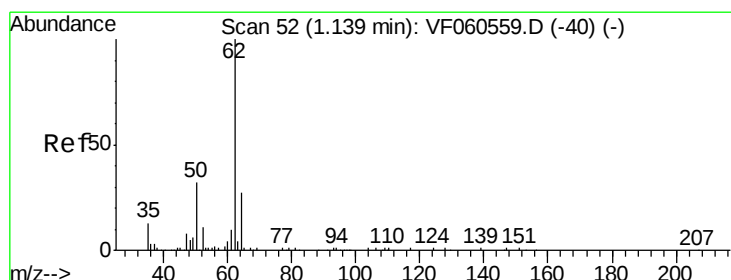
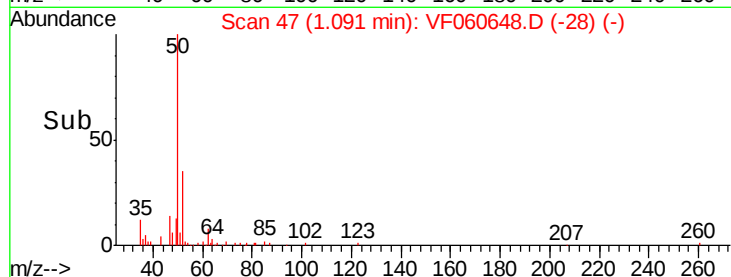
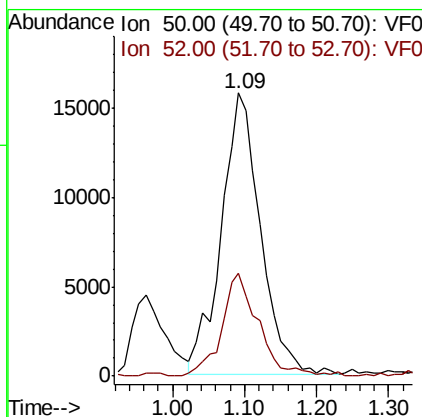
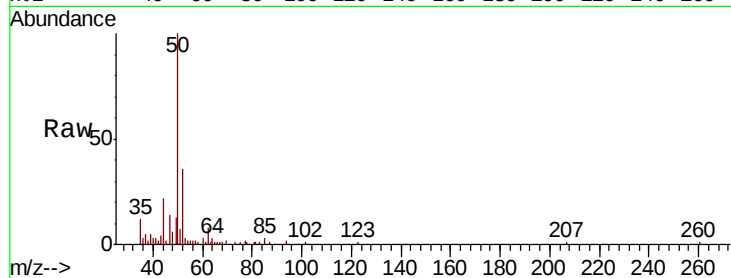
52 36.3 24.0 36.0#

Manual Integrations

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#4

Vinyl Chloride

Concen: 26.570 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060648.D

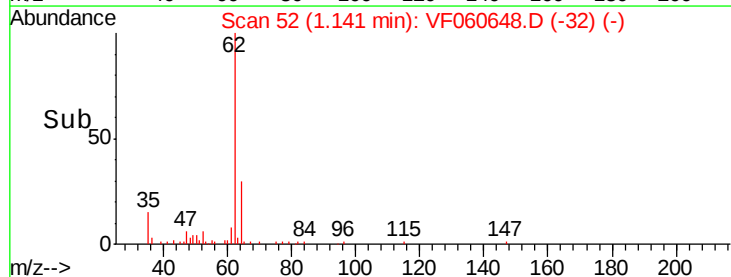
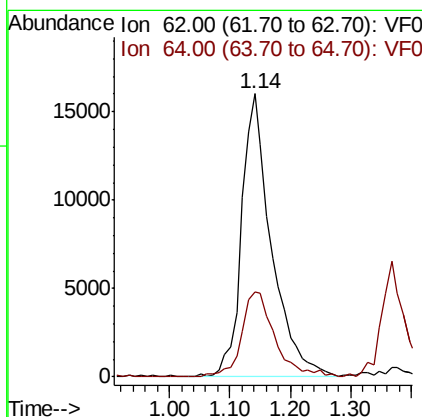
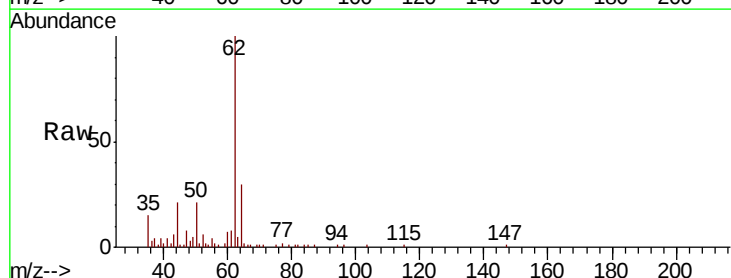
Acq: 8 Nov 2018 14:00

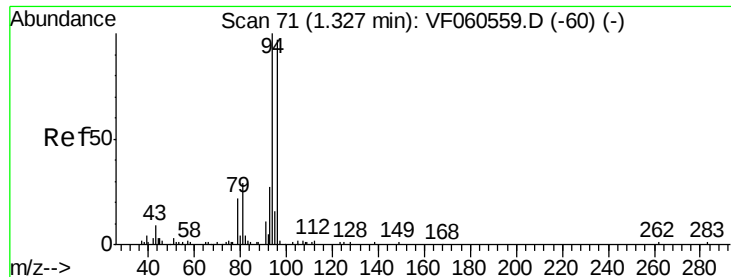
Tgt Ion: 62 Resp: 54794

Ion Ratio Lower Upper

62 100

64 30.2 21.8 32.6





#5

Bromomethane

Concen: 25.752 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

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VF1108SBS01

Tot Ion: 94 Resp: 29811

Ion Ratio Lower Upper

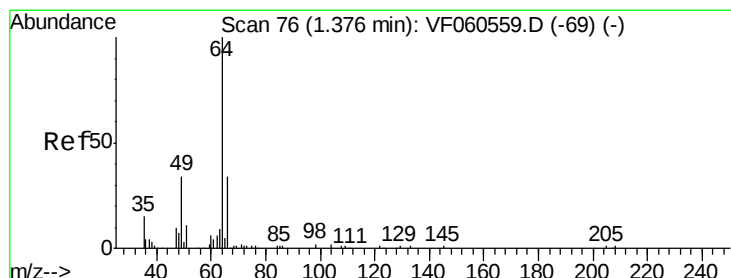
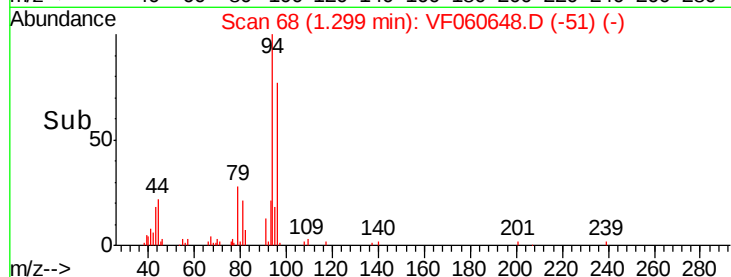
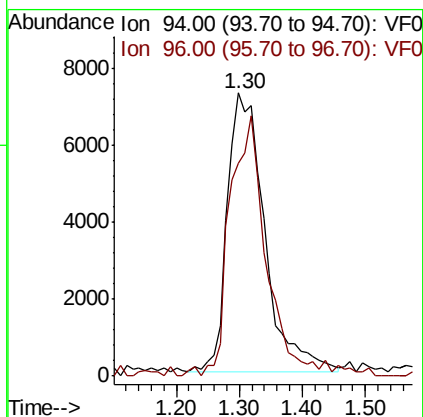
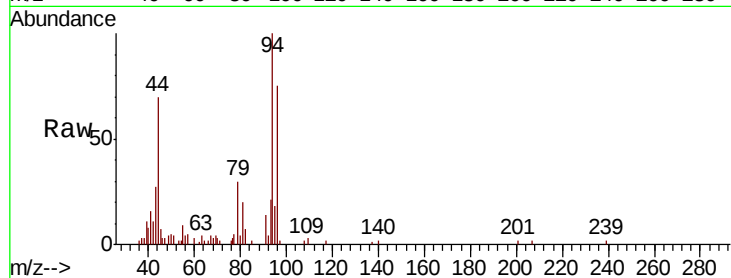
94 100

96 75.4 77.9 116.9#

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#6

Chloroethane

Concen: 21.681 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060648.D

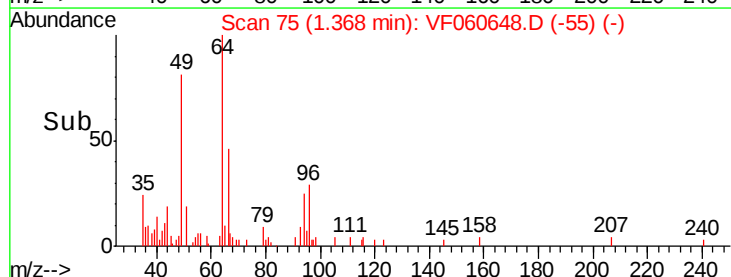
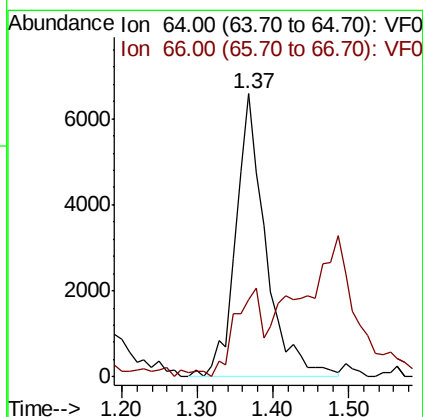
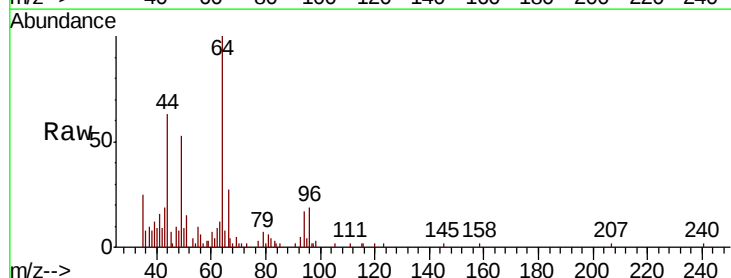
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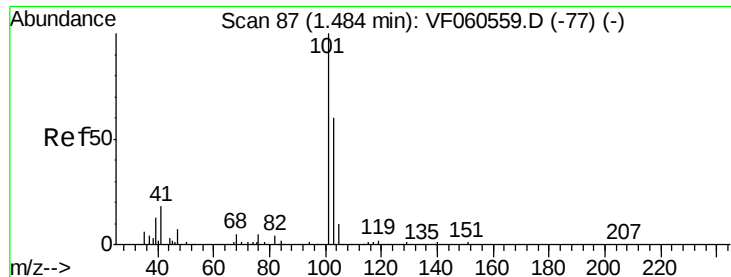
Tgt Ion: 64 Resp: 17956

Ion Ratio Lower Upper

64 100

66 27.4 27.8 41.8#





#7

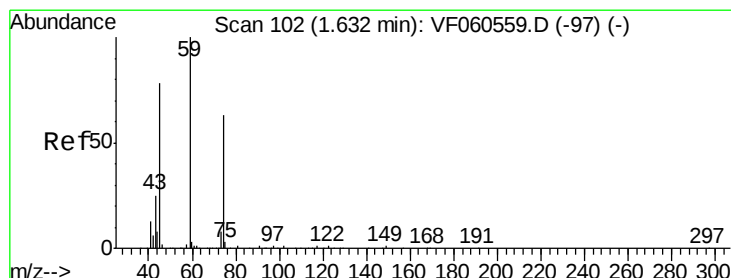
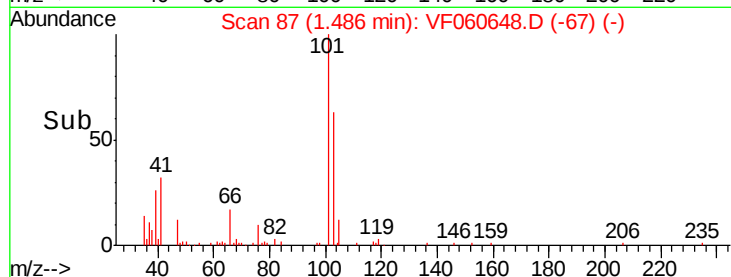
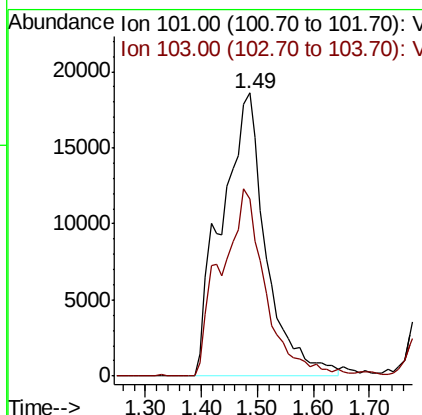
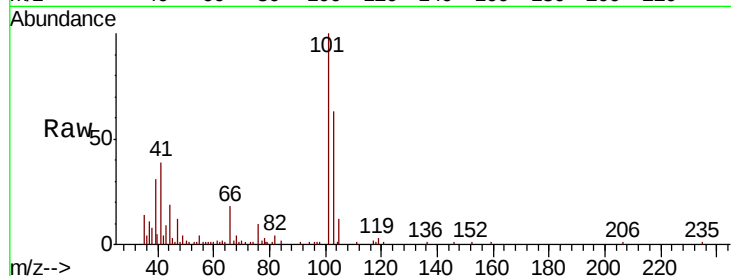
Trichlorofluoromethane
 Concen: 26.463 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. 0.00 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	48.0	72.0

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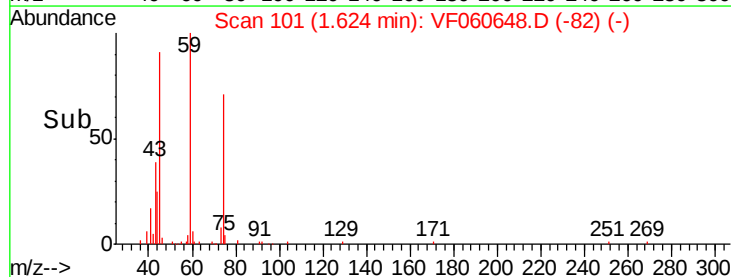
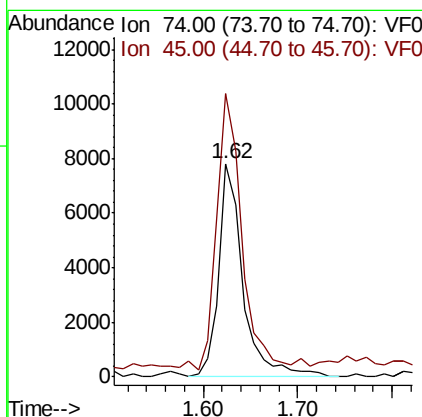
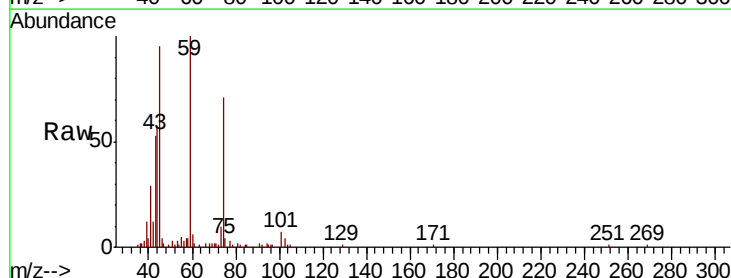
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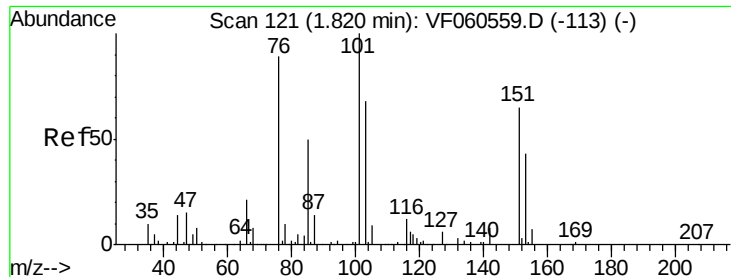


#8

Diethyl Ether
 Concen: 19.434 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.6	63.8	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.757 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

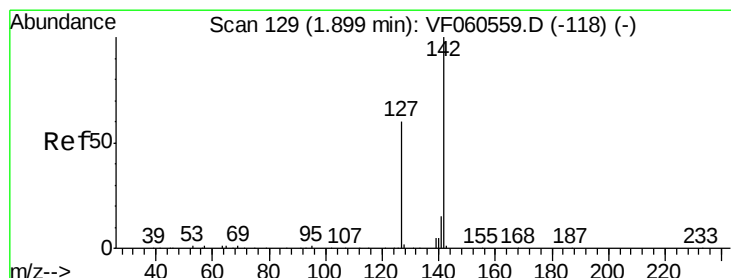
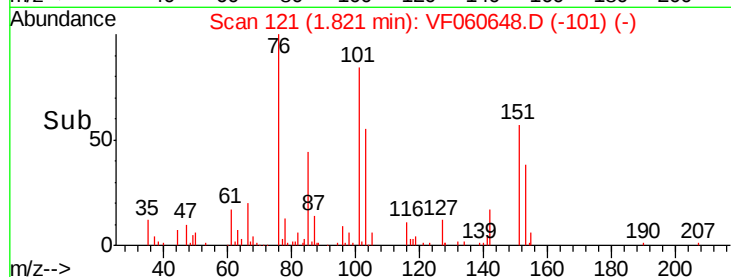
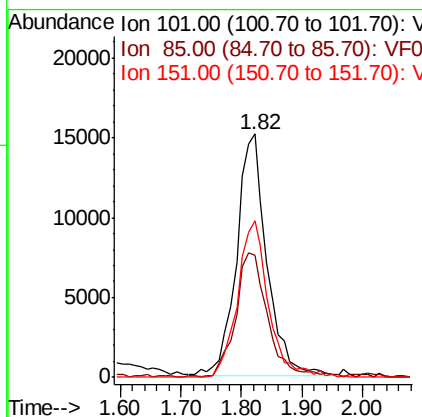
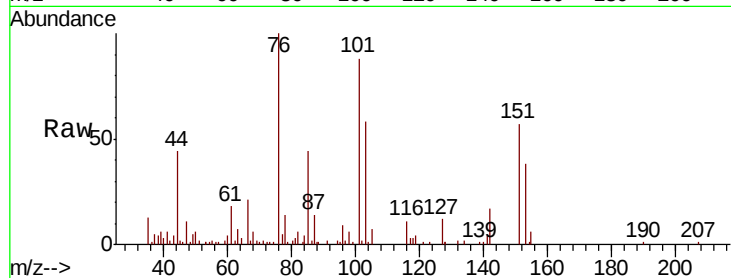
ClientSampleId :

VF1108SBS01

Tot Ion:	101	Resp:	52400
Ion Ratio	Lower	Upper	
101	100		
85	50.3	39.8	59.6
151	64.5	50.8	76.2

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#10

Methyl Iodide

Concen: 23.126 ug/l m

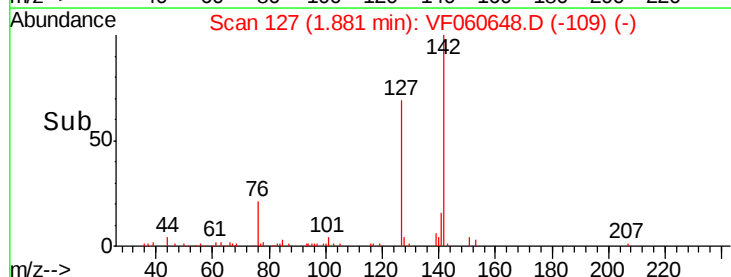
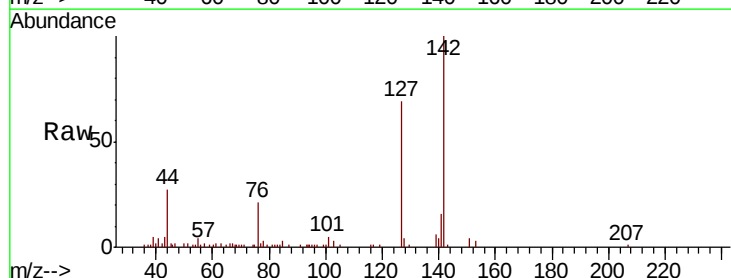
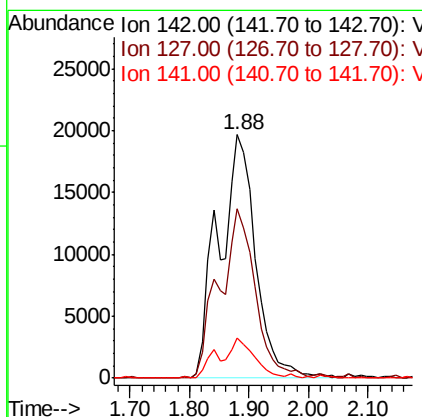
RT: 1.88 min Scan# 127

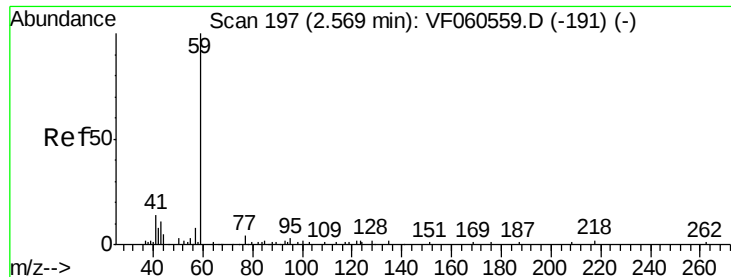
Delta R.T. -0.02 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	142	Resp:	83942
Ion Ratio	Lower	Upper	
142	100		
127	69.5	47.8	71.6
141	16.4	12.7	19.1





#11

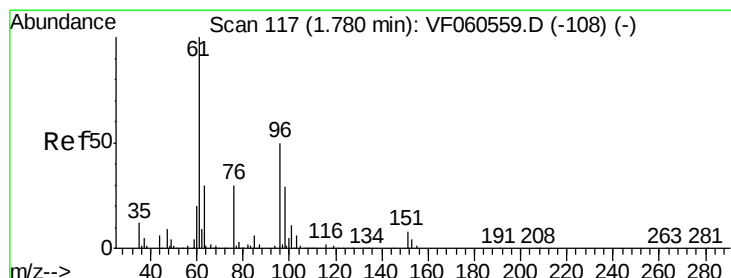
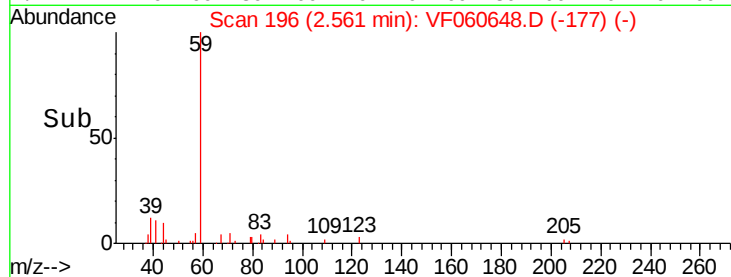
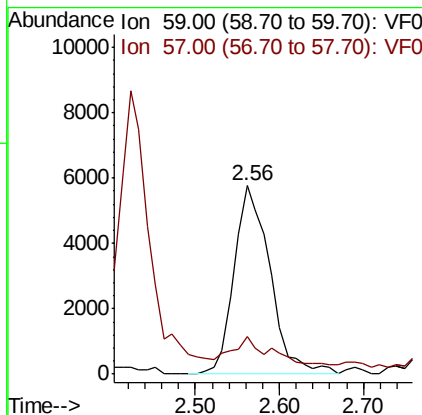
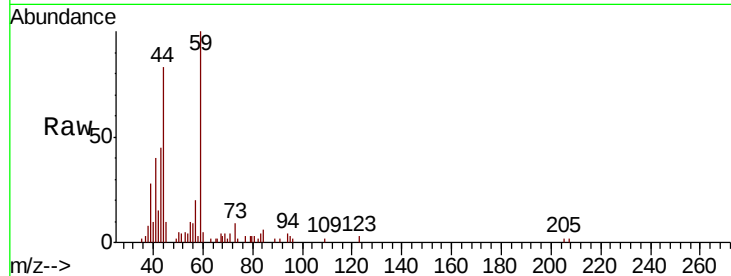
Tert butyl alcohol
 Concen: 124.064 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	19.7	19.0	28.4

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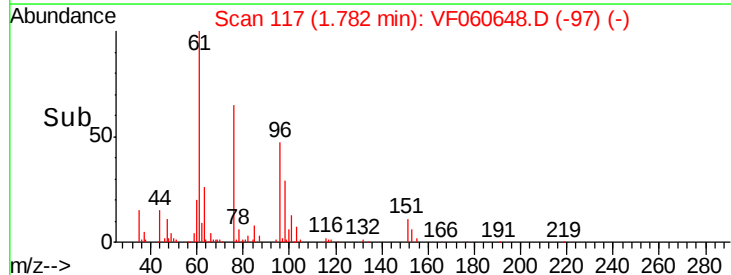
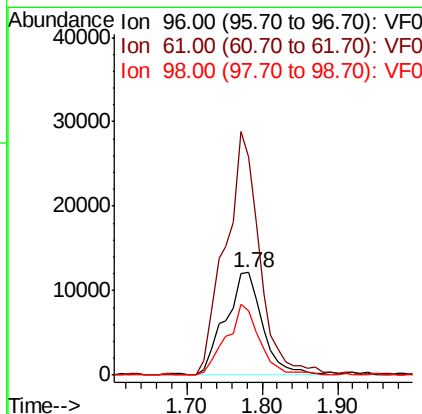
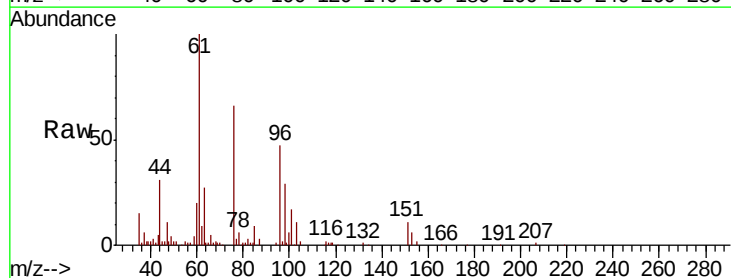
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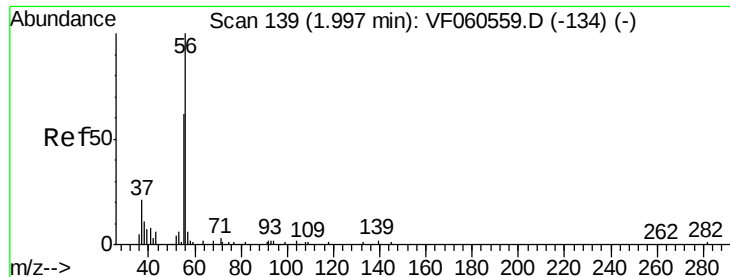


#12

1,1-Dichloroethene
 Concen: 22.629 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. 0.00 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	212.2	158.1	237.1
98	62.6	47.0	70.6





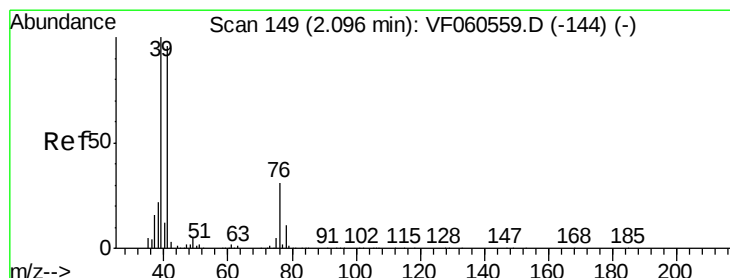
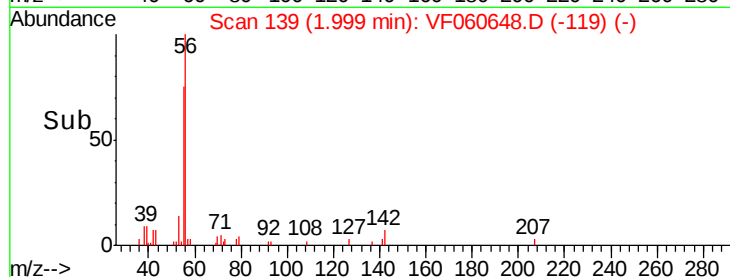
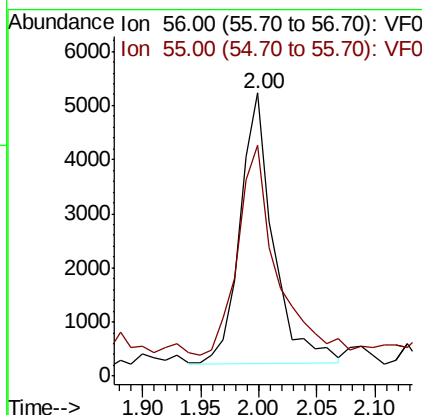
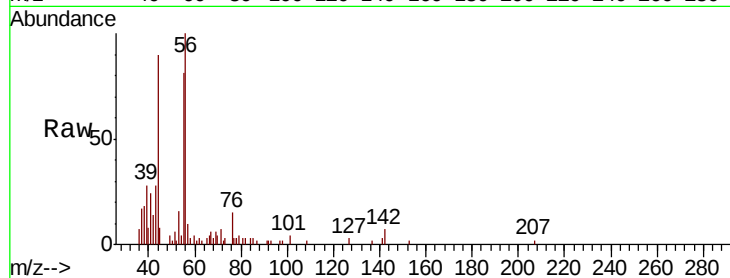
#13
Acrolein
Concen: 96.100 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	56	Resp	9902
Ion Ratio	100	Lower	Upper
56	100		
55	81.4	61.8	92.6

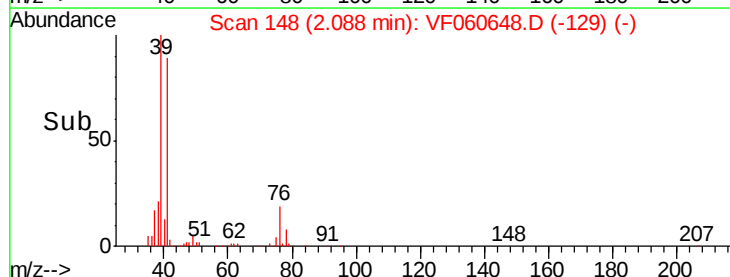
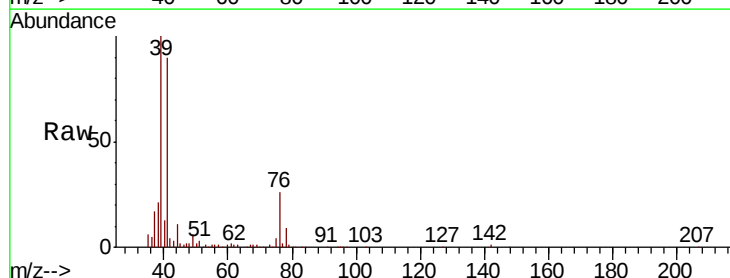
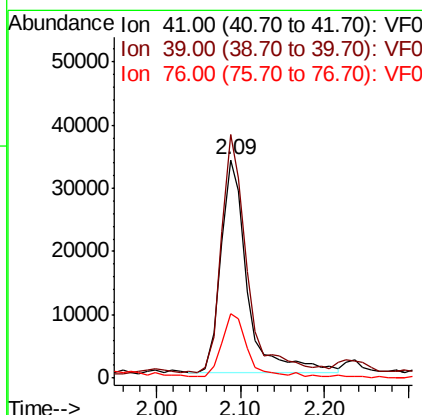
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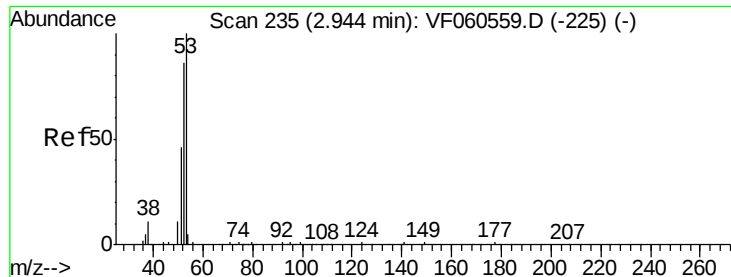
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#14
Allyl chloride
Concen: 24.324 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	41	Resp	73782
Ion Ratio	100	Lower	Upper
41	100		
39	111.5	82.6	124.0
76	29.4	26.7	40.1





#15

Acrylonitrile

Concen: 114.607 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

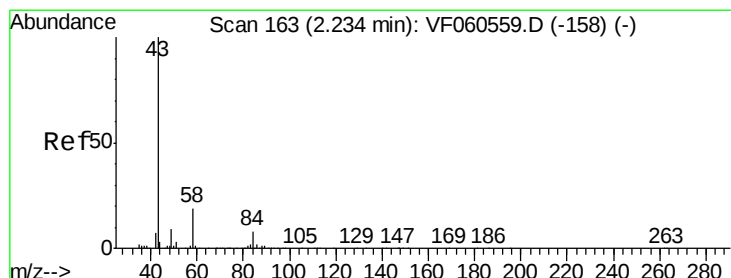
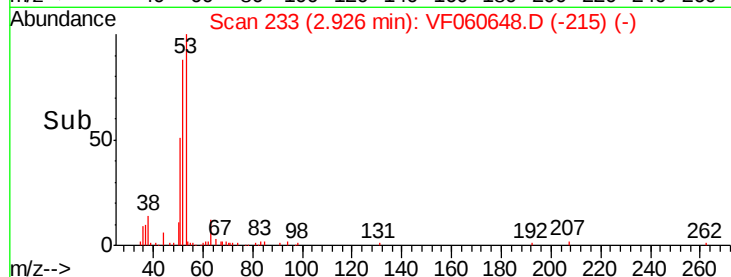
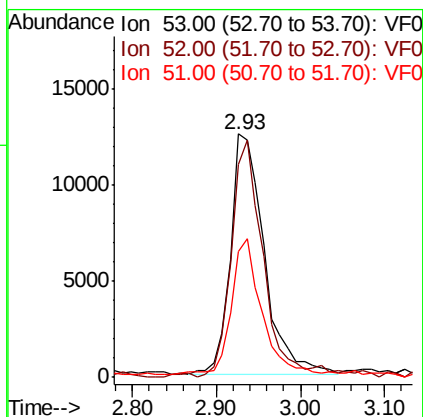
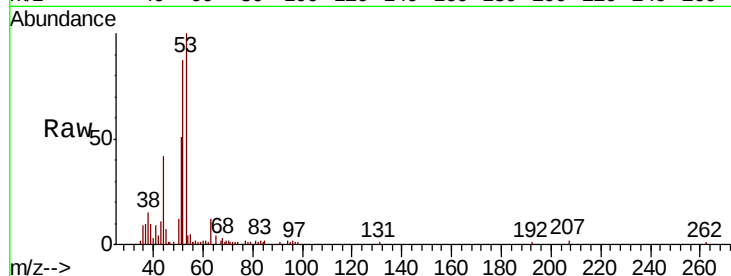
ClientSampleId :

VF1108SBS01

Tot Ion:	53	Resp:	35290
Ion	Ratio	Lower	Upper
53	100		
52	87.4	68.5	102.7
51	51.4	38.2	57.2

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#16

Acetone

Concen: 155.057 ug/l

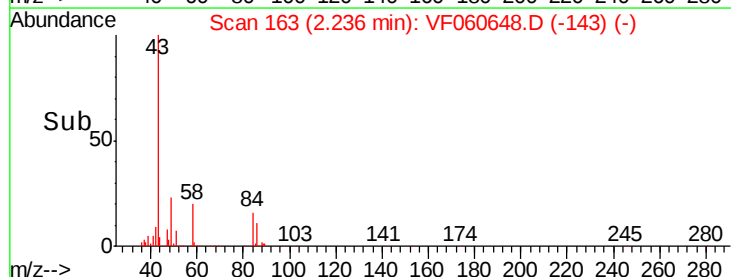
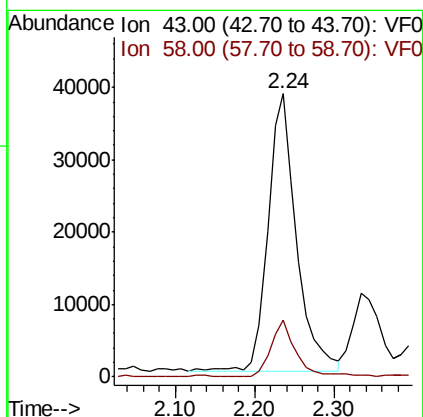
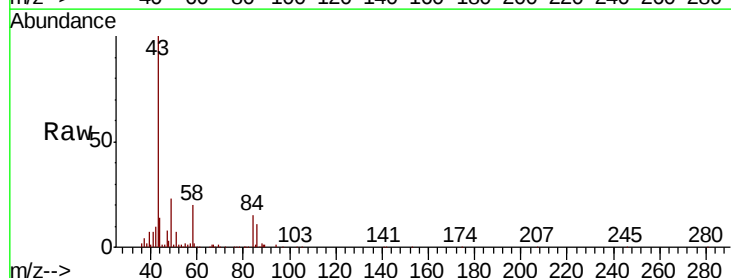
RT: 2.24 min Scan# 163

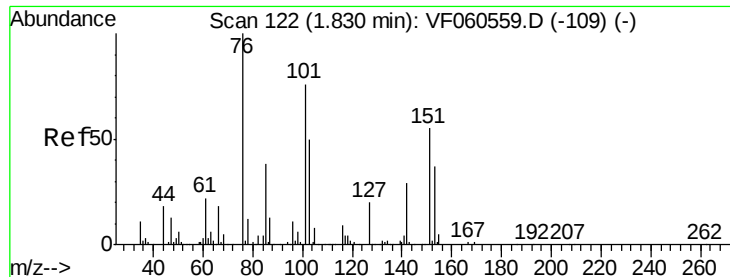
Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	43	Resp:	94402
Ion	Ratio	Lower	Upper
43	100		
58	19.9	14.6	22.0





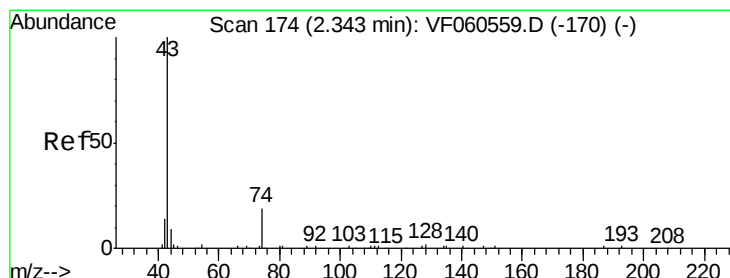
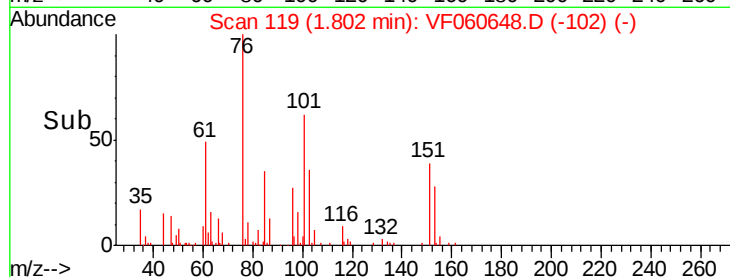
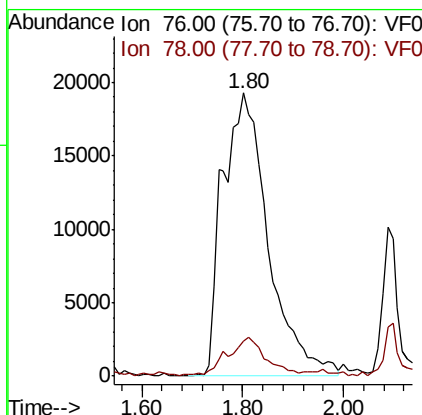
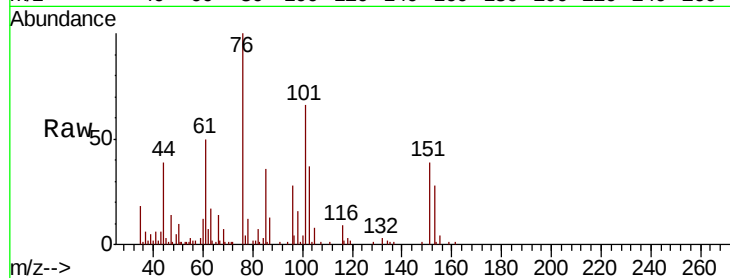
#17
Carbon Disulfide
Concen: 23.223 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.03 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.3	9.9	14.9

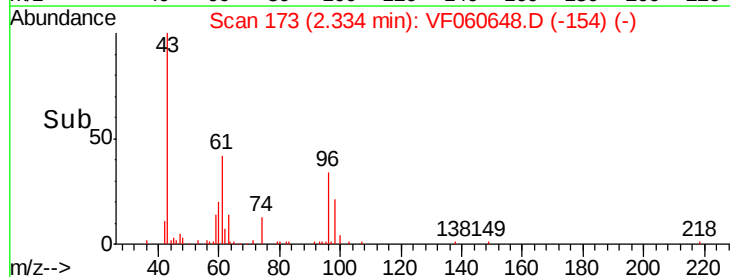
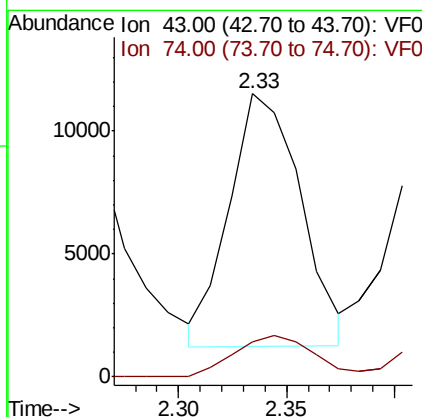
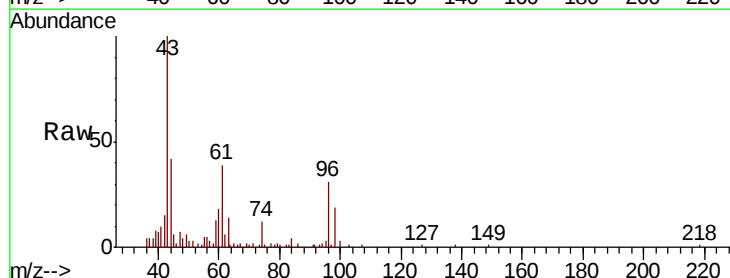
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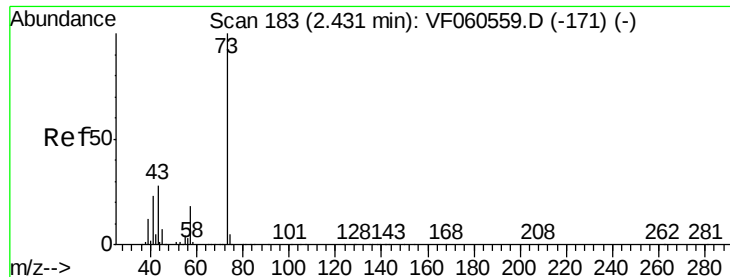
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#18
Methyl Acetate
Concen: 25.256 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.4	12.1	18.1





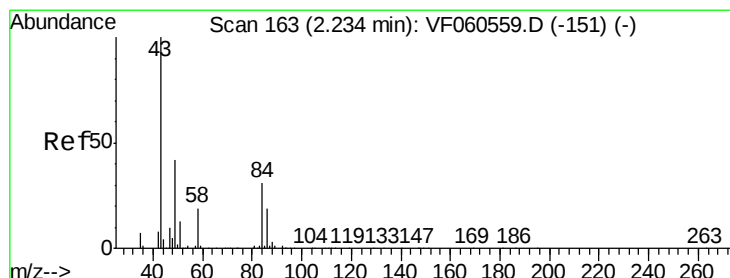
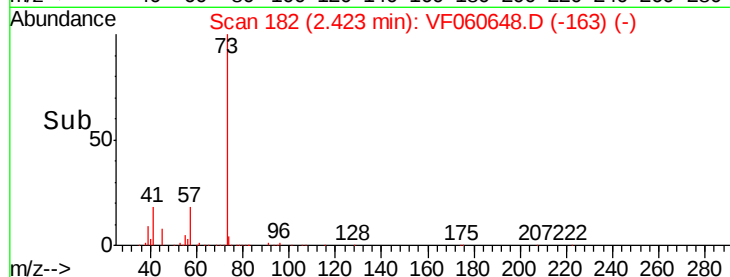
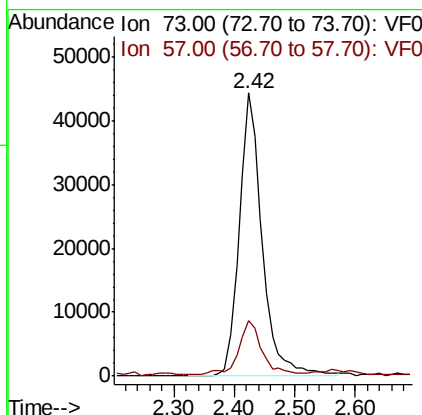
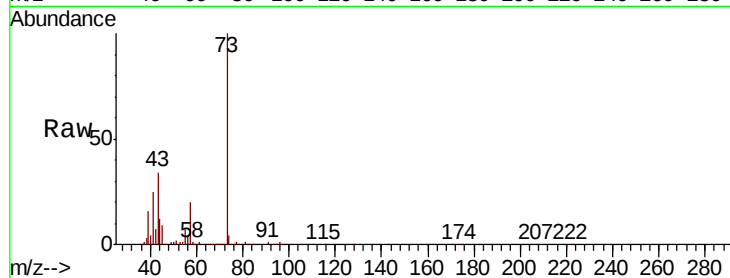
#19
Methvl tert-butvl Ether
Concen: 26.798 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.4	23.0

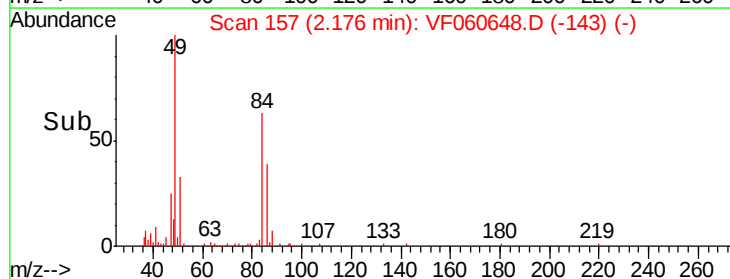
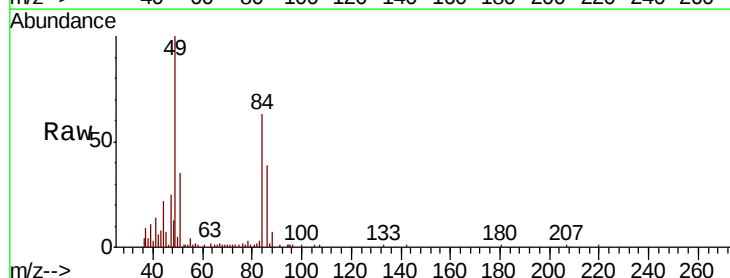
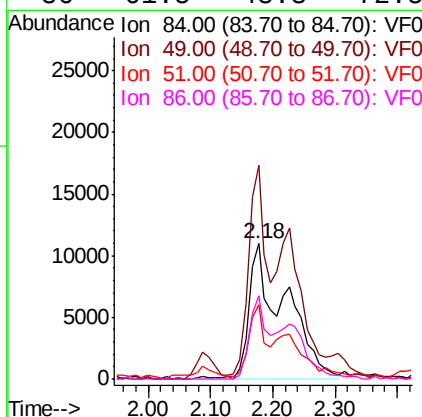
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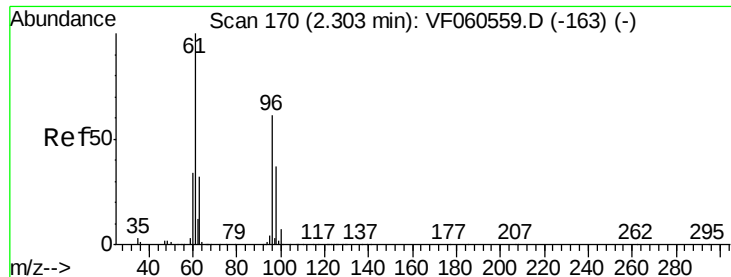
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#20
Methylene Chloride
Concen: 21.645 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.06 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.9	109.9	164.9
51	55.1	35.8	53.8
86	61.5	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 23.812 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

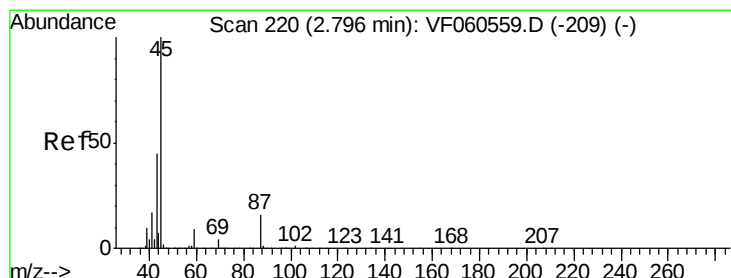
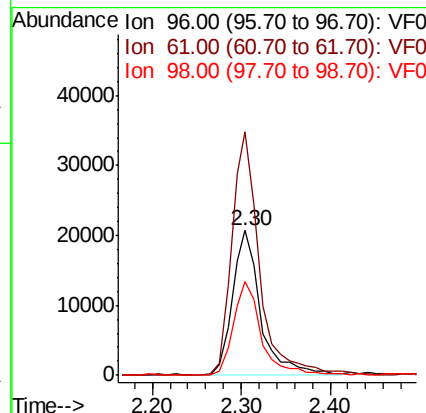
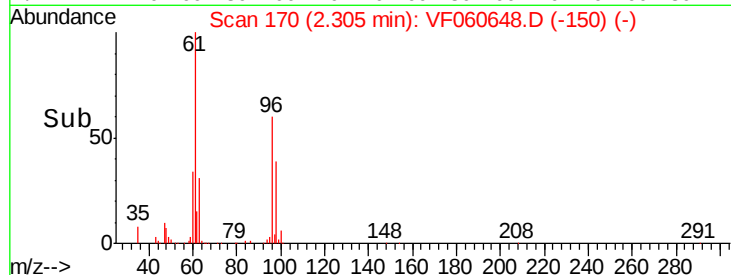
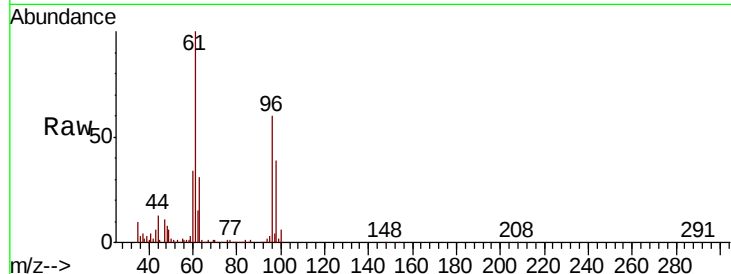
ClientSampleId :

VF1108SBS01

Tot Ion:	96	Resp:	46408
Ion	Ratio	Lower	Upper
96	100		
61	167.9	131.3	196.9
98	65.0	48.6	73.0

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#22

Diisopropyl ether

Concen: 23.824 ug/l

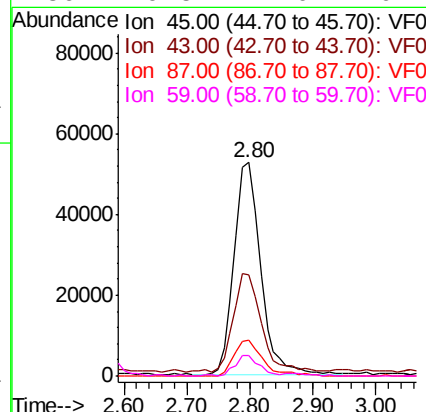
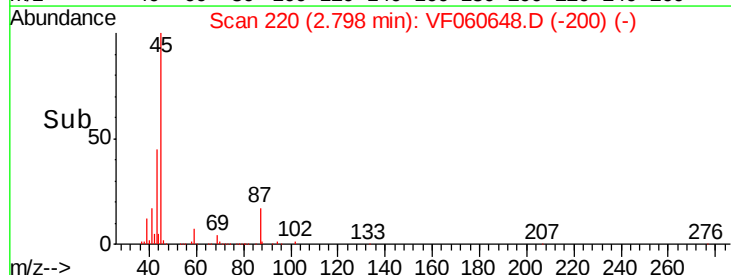
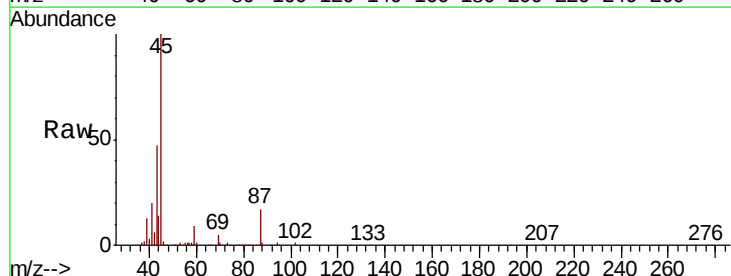
RT: 2.80 min Scan# 220

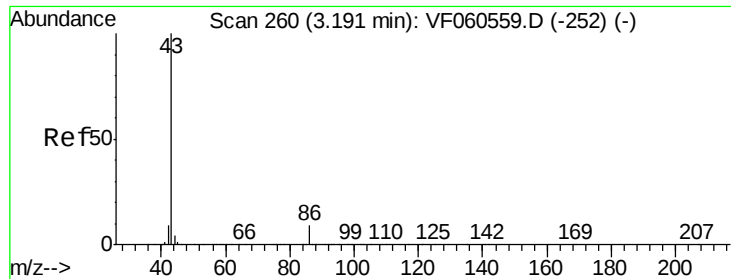
Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	45	Resp:	153110
Ion	Ratio	Lower	Upper
45	100		
43	47.4	38.1	57.1
87	17.0	12.7	19.1
59	9.5	7.0	10.4





#23

Vinyl Acetate

Concen: 116.253 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 43 Resp: 448901

Ion Ratio Lower Upper

43 100

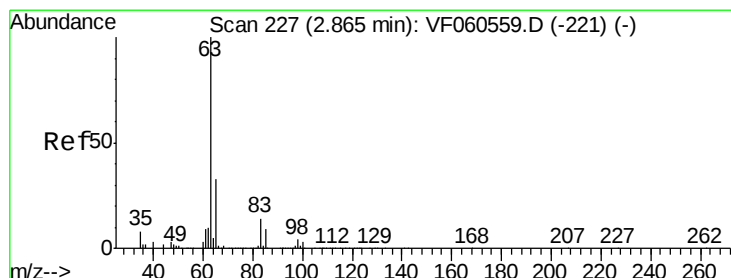
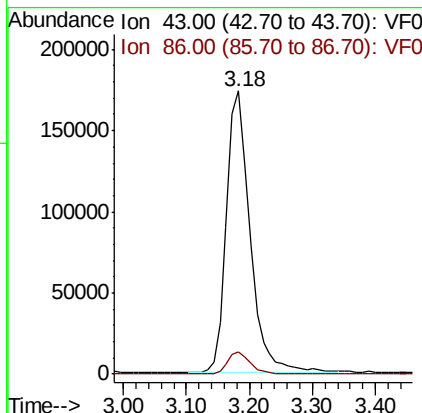
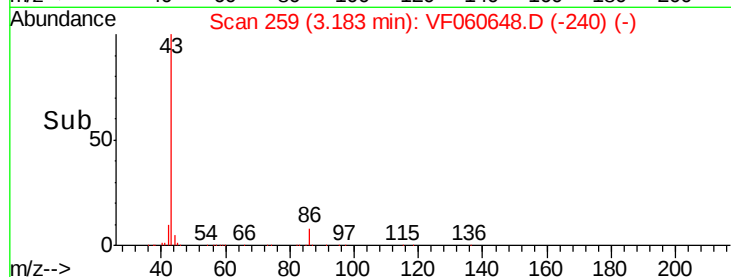
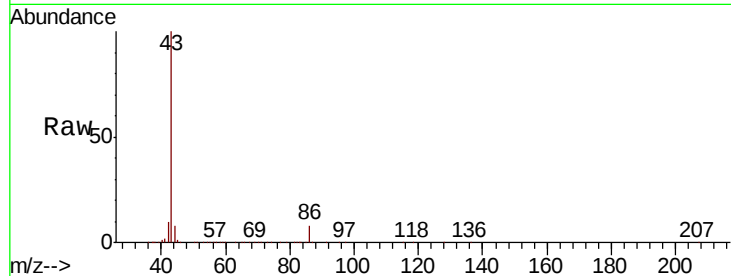
86 8.0 7.1 10.7

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#24

1,1-Dichloroethane

Concen: 25.618 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

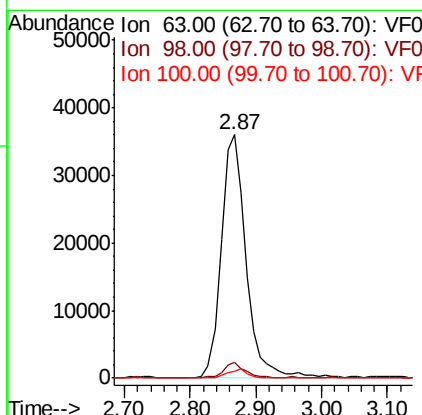
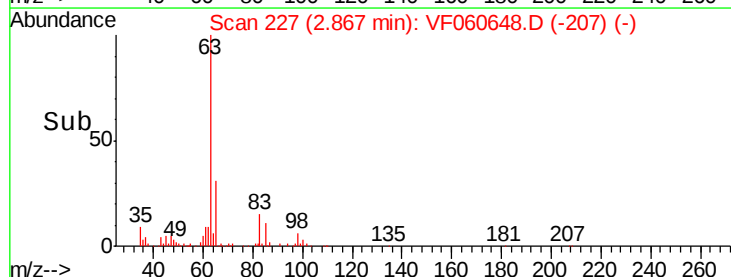
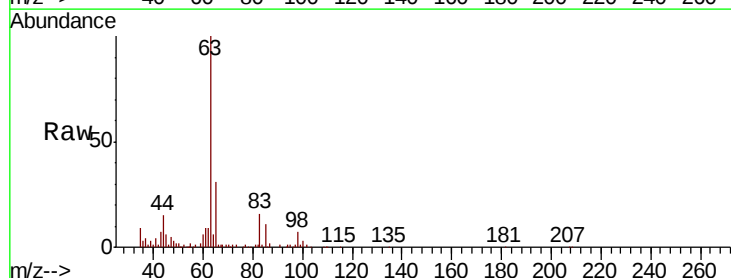
Tgt Ion: 63 Resp: 95283

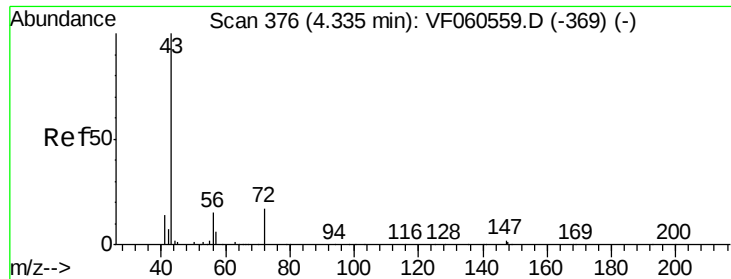
Ion Ratio Lower Upper

63 100

98 6.7 2.2 6.6#

100 2.6 1.4 4.0





#25

2-Butanone

Concen: 122.730 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 43 Resp: 159225

Ion Ratio Lower Upper

43 100

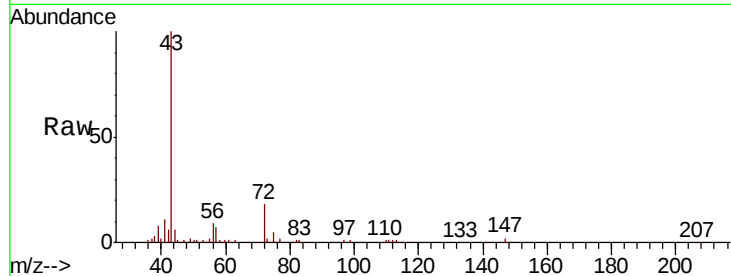
72 18.1 16.2 24.2

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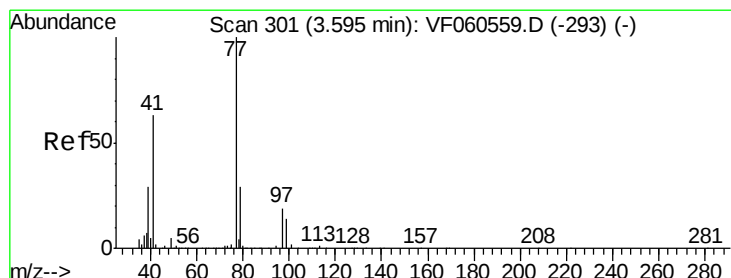
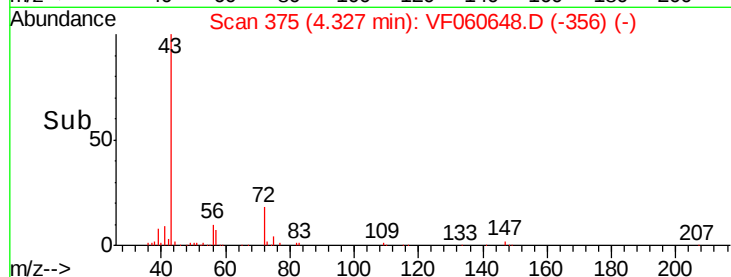
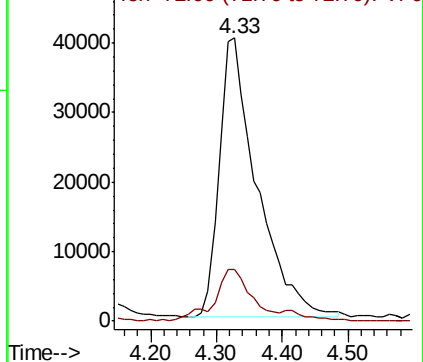
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 25.124 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF060648.D

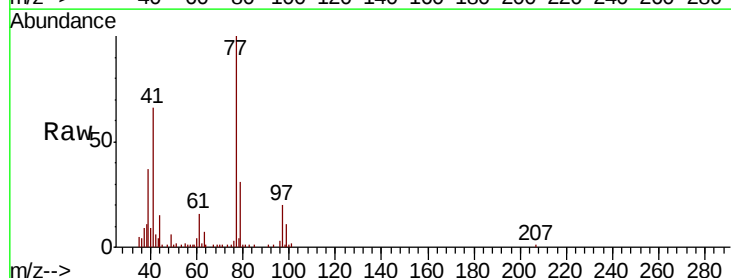
Acq: 8 Nov 2018 14:00

Tgt Ion: 77 Resp: 69922

Ion Ratio Lower Upper

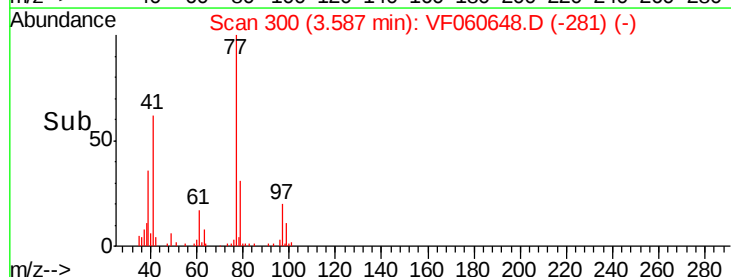
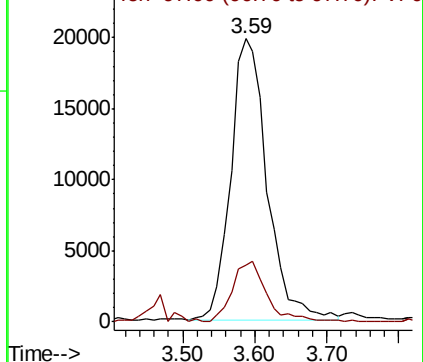
77 100

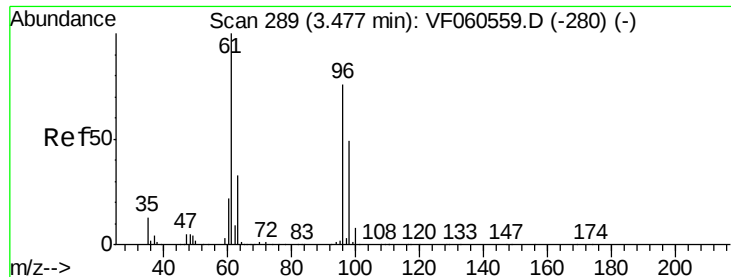
97 20.2 9.8 29.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

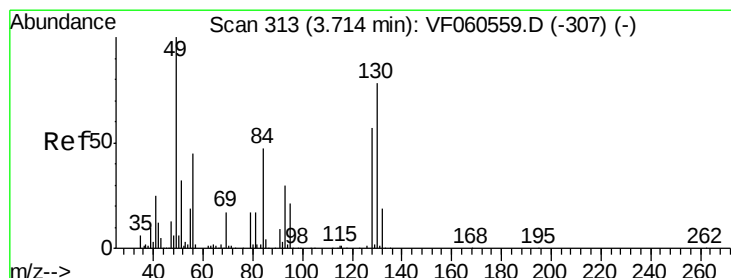
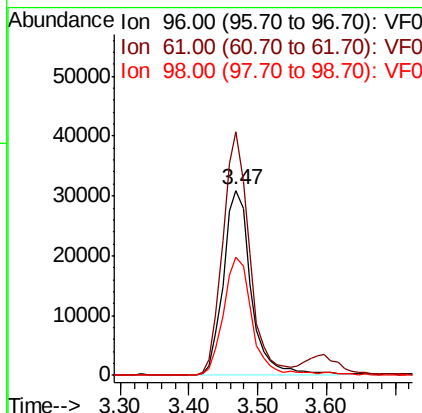
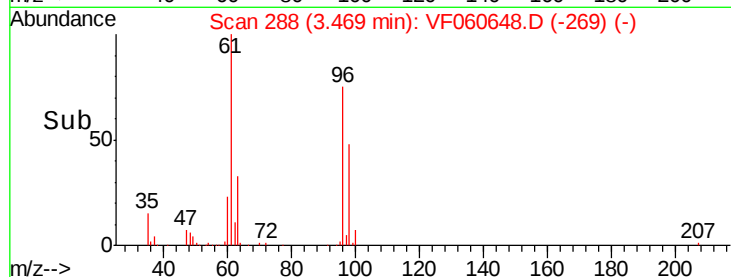
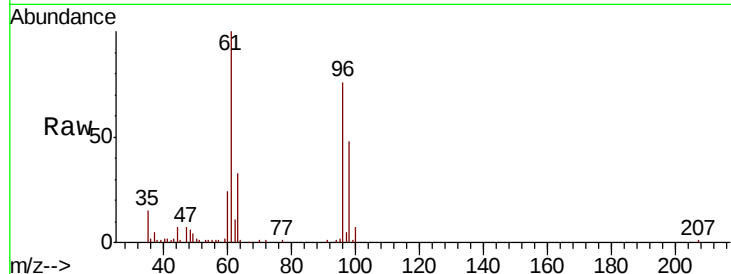
cis-1,2-Dichloroethene
Concen: 23.334 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	86815		
61	131.7		0.0	263.0
98	63.6		0.0	130.6

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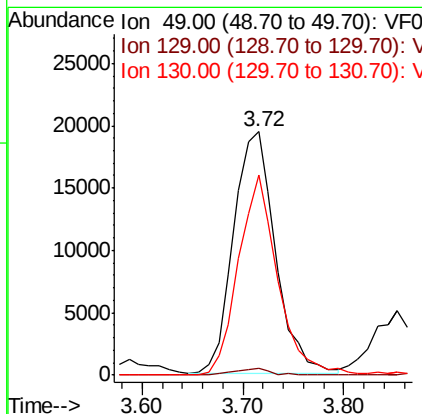
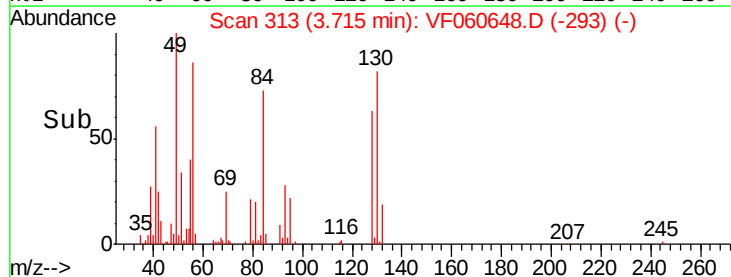
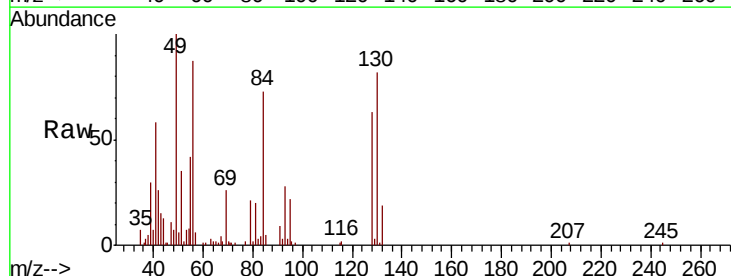
apatel
11/9/2018 3:31:45 PM

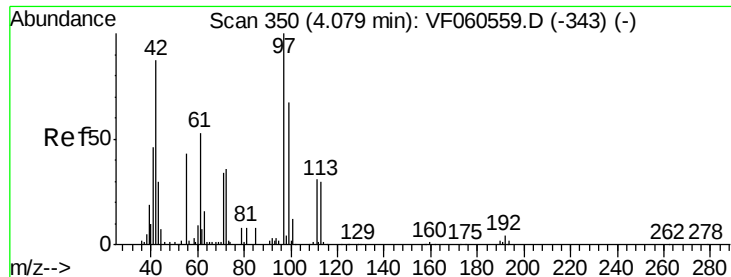


#28

Bromochloromethane
Concen: 23.931 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	55859		
129	3.0		0.0	4.6
130	82.2		61.8	92.8





#29

Tetrahydrofuran

Concen: 131.845 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

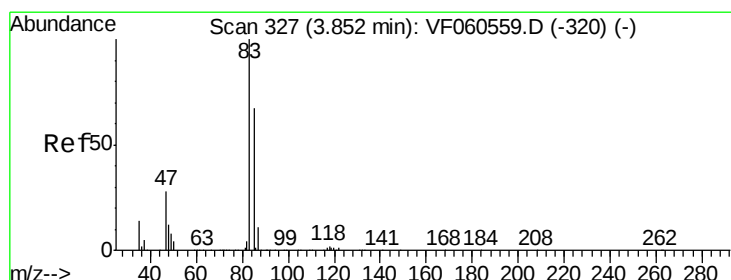
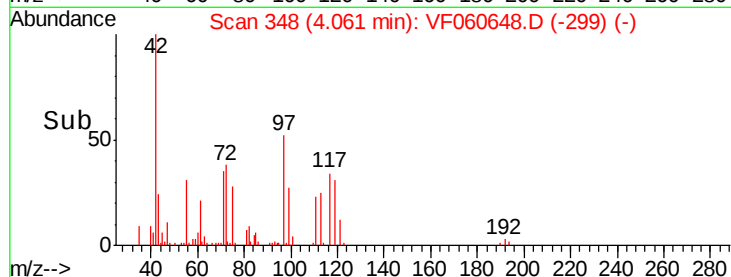
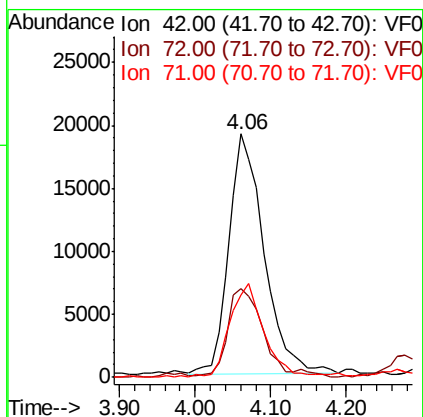
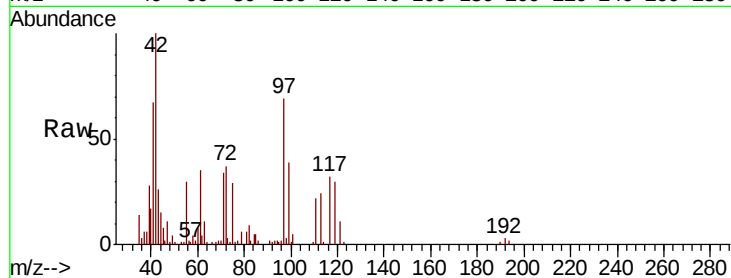
ClientSampleId :

VF1108SBS01

Tot Ion:	42	Resp:	61747
Ion	Ratio	Lower	Upper
42	100		
72	33.8	31.4	47.0
71	38.8	31.8	47.6

Manual Integrations
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#30

Chloroform

Concen: 25.090 ug/l

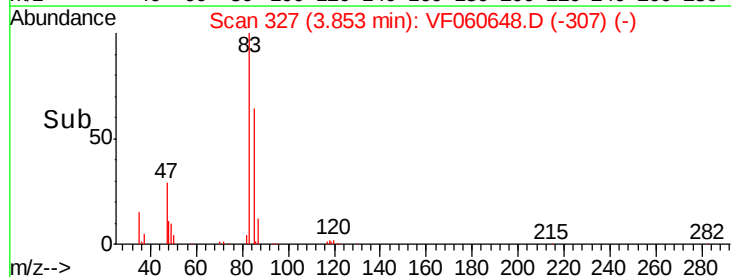
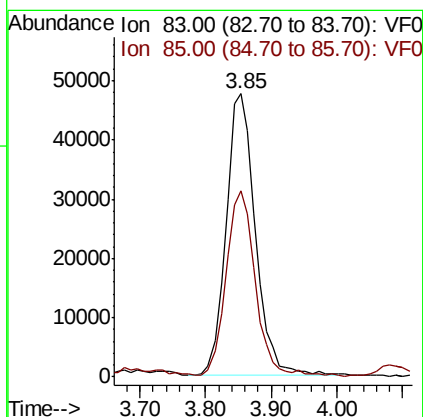
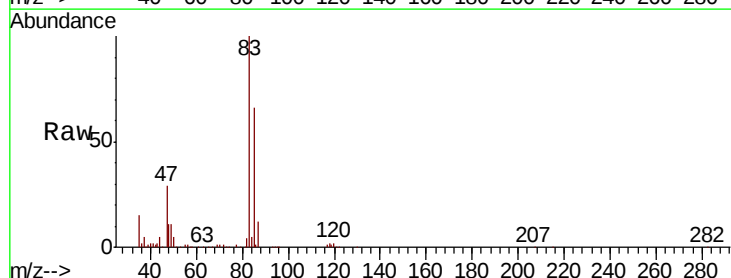
RT: 3.85 min Scan# 327

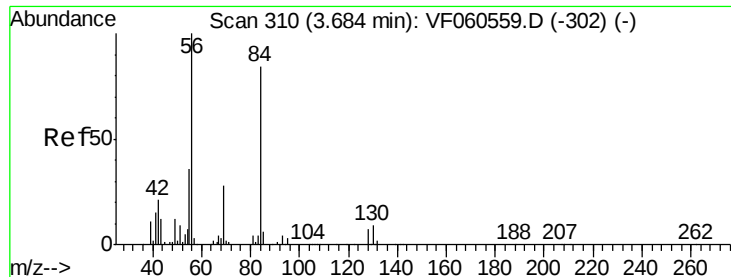
Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	83	Resp:	147643
Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.7	80.5





#31

Cyclohexane

Concen: 24.487 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

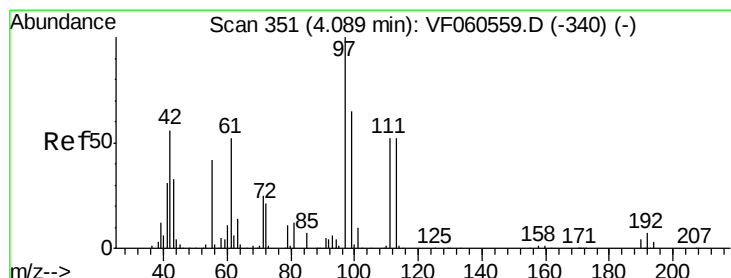
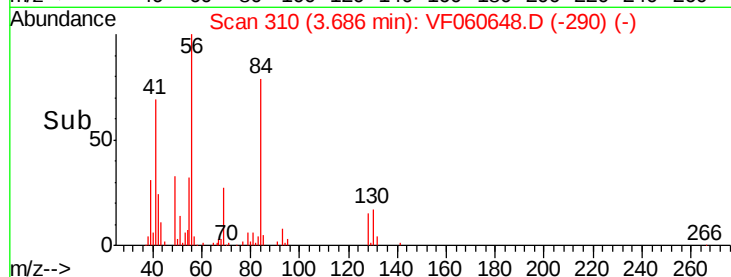
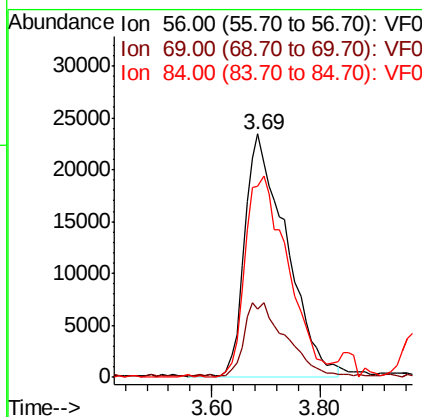
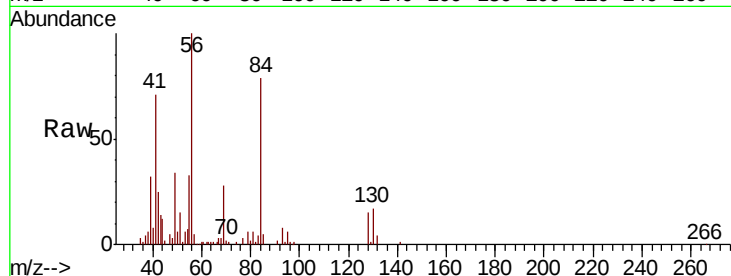
ClientSampleId :

VF1108SBS01

Tot Ion:	56	Resp:	125686
Ion Ratio	Lower	Upper	
56	100		
69	28.0	23.0	34.4
84	78.6	67.1	100.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 27.056 ug/l

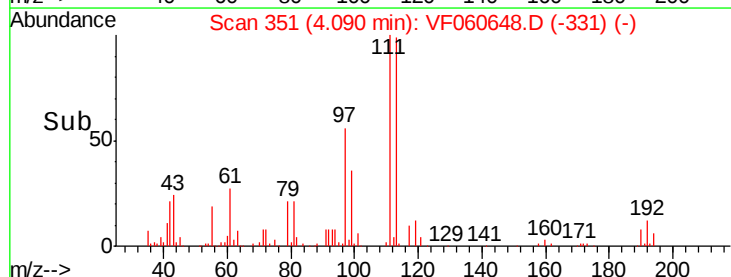
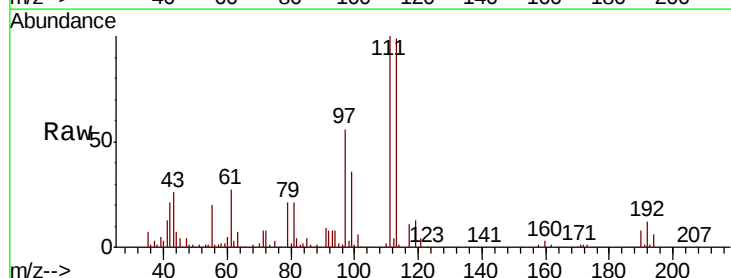
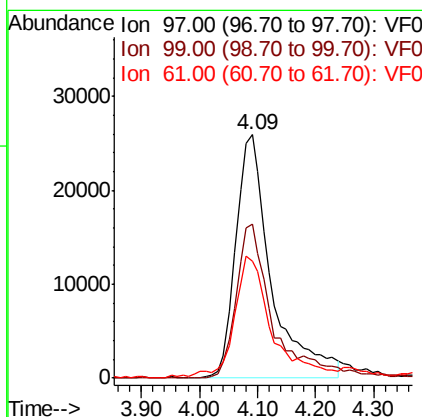
RT: 4.09 min Scan# 351

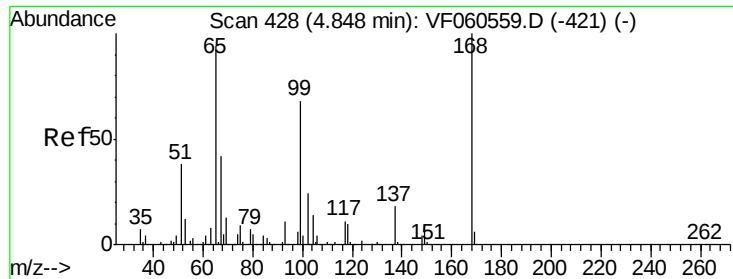
Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	97	Resp:	111198
Ion Ratio	Lower	Upper	
97	100		
99	63.1	52.4	78.6
61	48.0	41.5	62.3





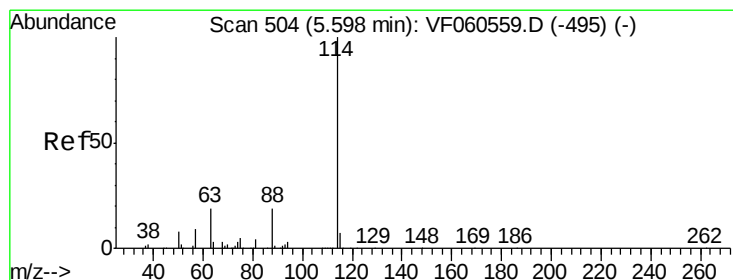
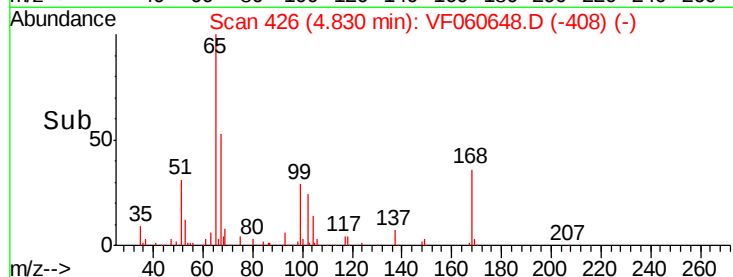
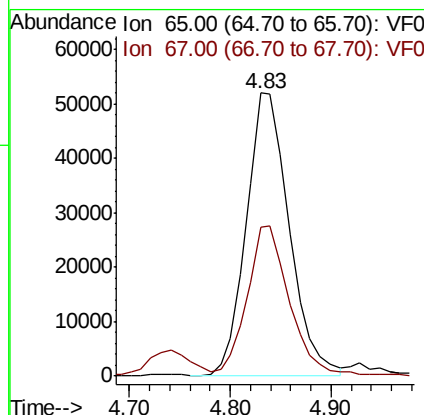
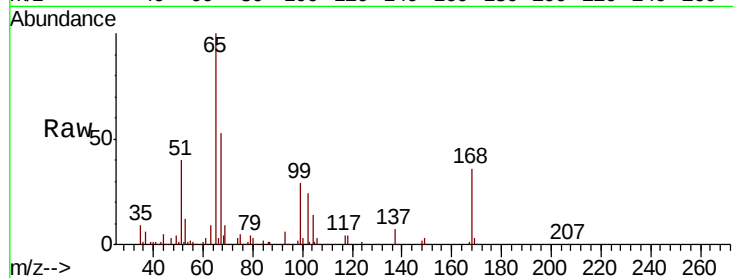
#33
 1,2-Dichloroethane-d4
 Concen: 59.428 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	101.8

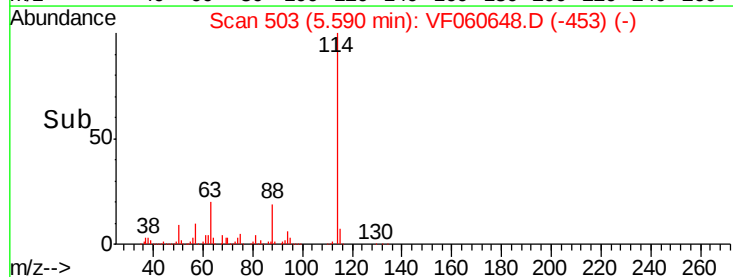
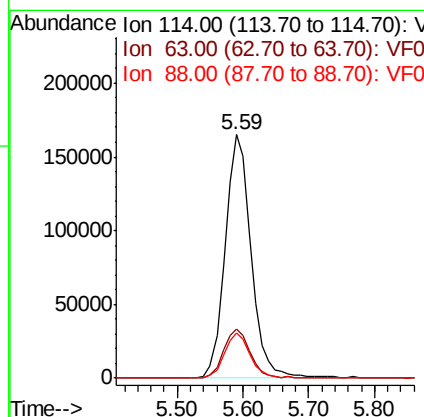
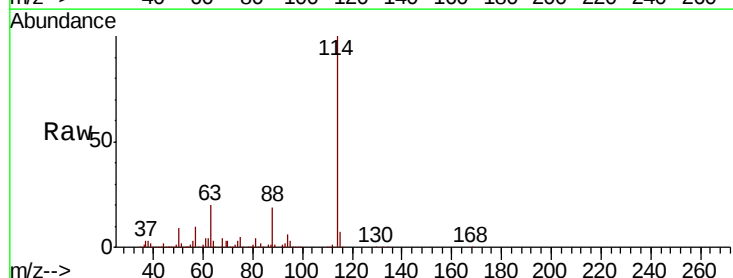
Manual Integrations
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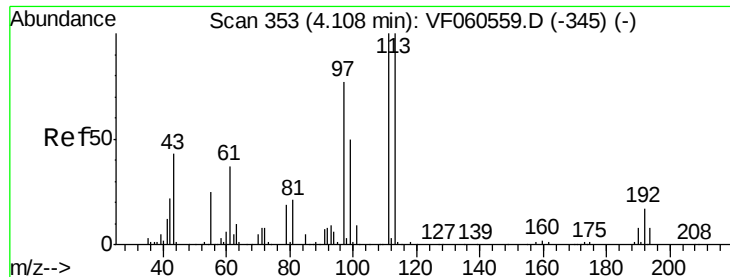
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	18.8	0.0	38.2





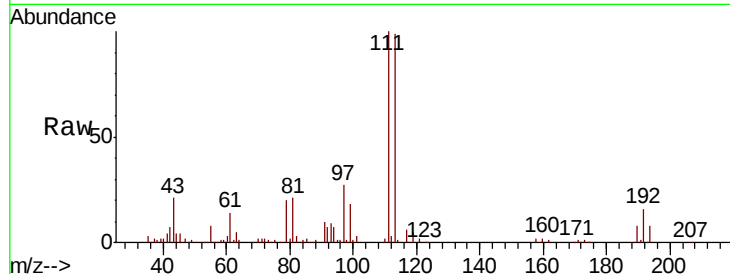
#35
 Dibromofluoromethane
 Concen: 53.286 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187375		
111	101.3	79.9	119.9	
192	15.8	13.3	19.9	

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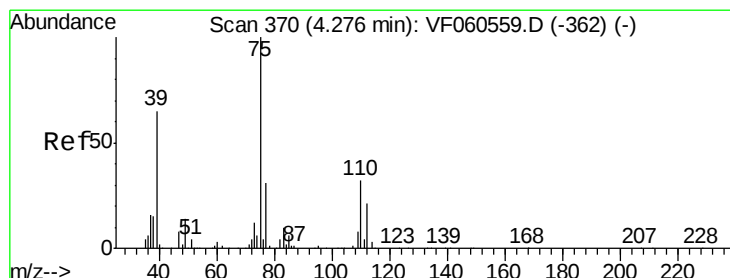
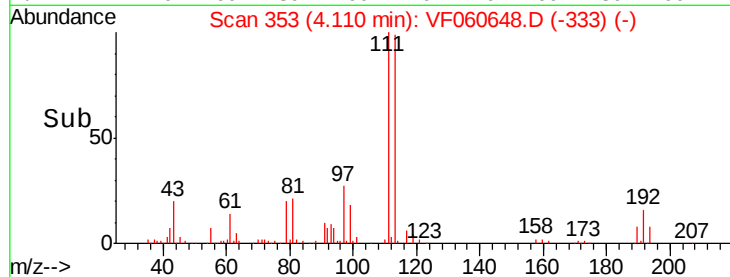
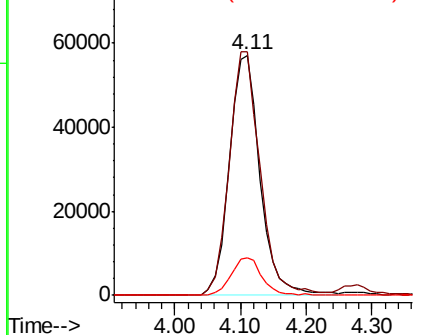


Abundance

Ion 113.00 (112.70 to 113.70): V

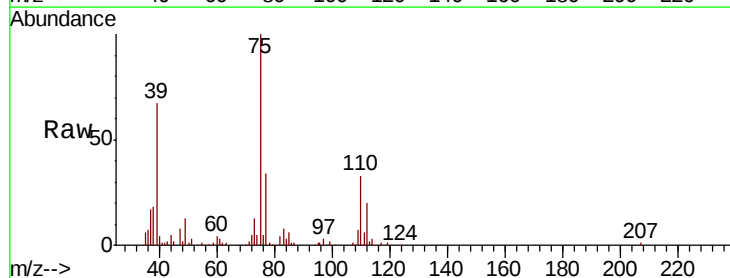
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
 1,1-Dichloropropene
 Concen: 20.804 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104258		
110	33.2	16.2	48.6	
77	34.3	25.0	37.6	

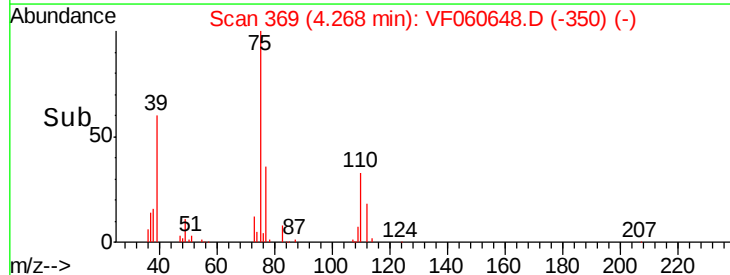
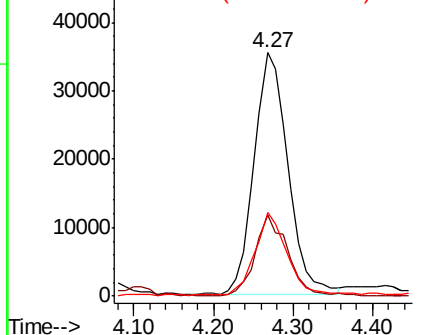


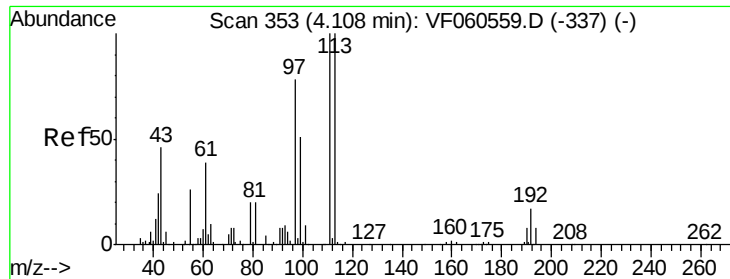
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





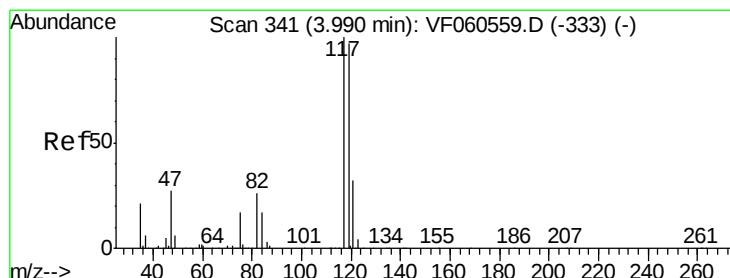
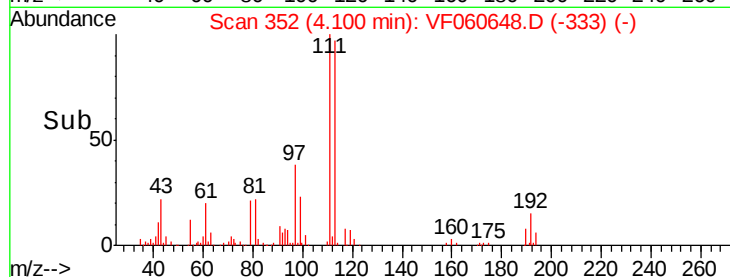
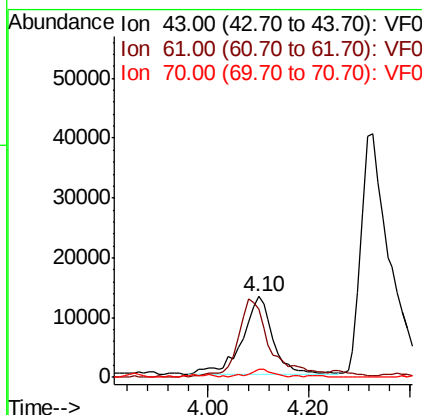
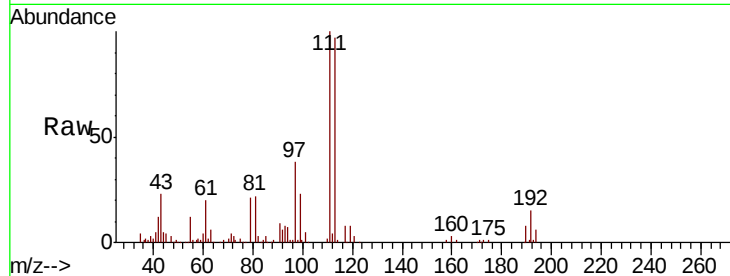
#37
Ethyl Acetate
Concen: 23.102 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	83.7	63.4	95.2
70	10.0	9.3	13.9

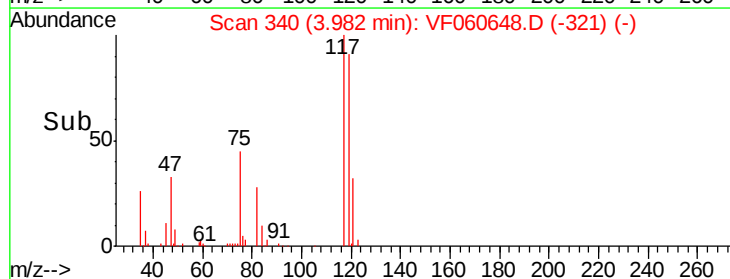
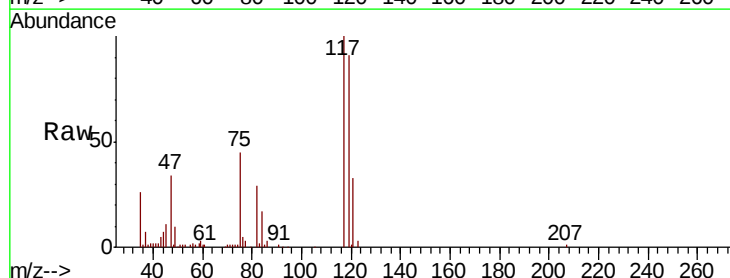
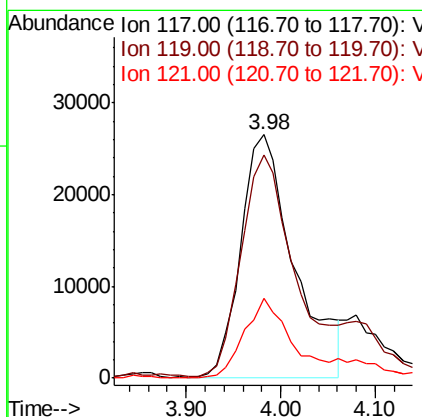
Manual Integrations
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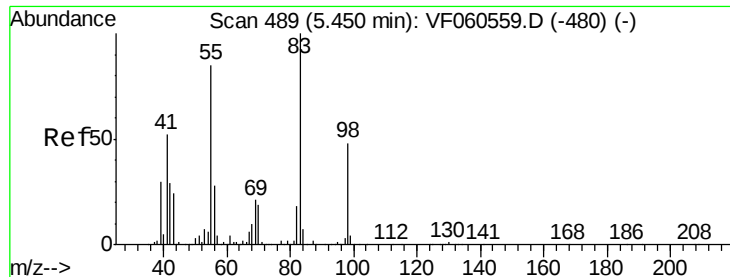
apatel
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#38
Carbon Tetrachloride
Concen: 24.472 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	77.8	116.6
121	32.6	25.6	38.4





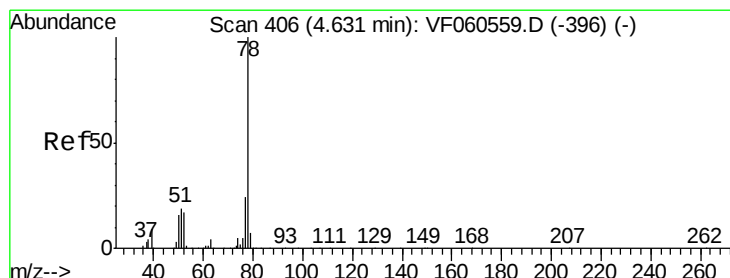
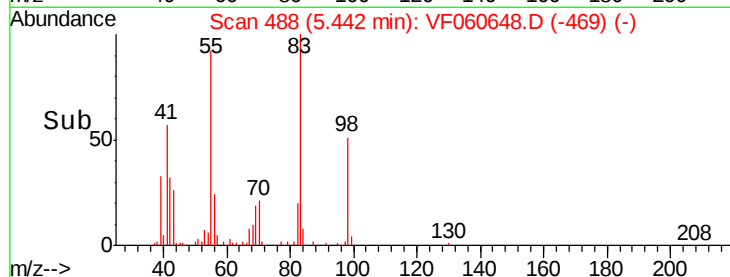
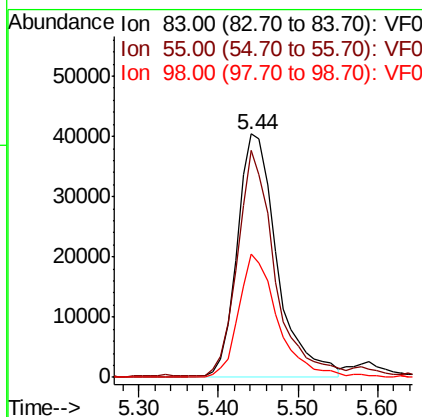
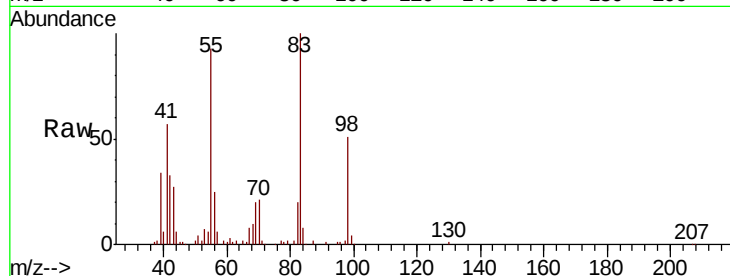
#39
Methvlcvclohexane
Concen: 22.994 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.1	69.1	103.7
98	50.5	38.6	57.8

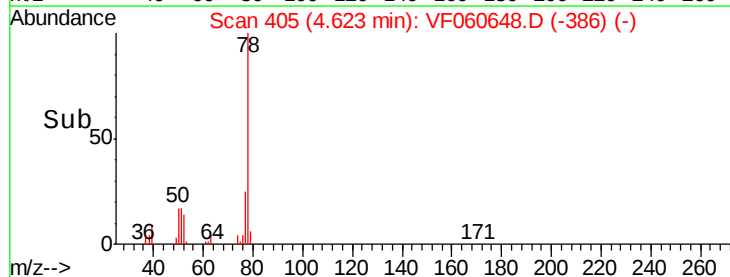
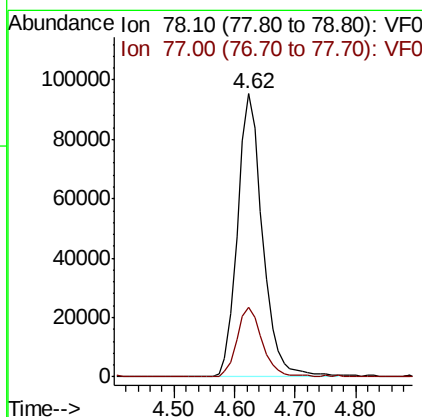
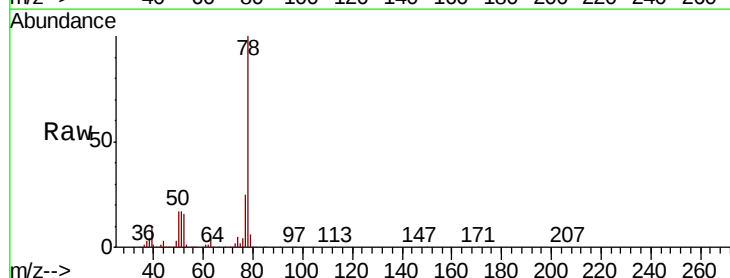
Manual Integrations
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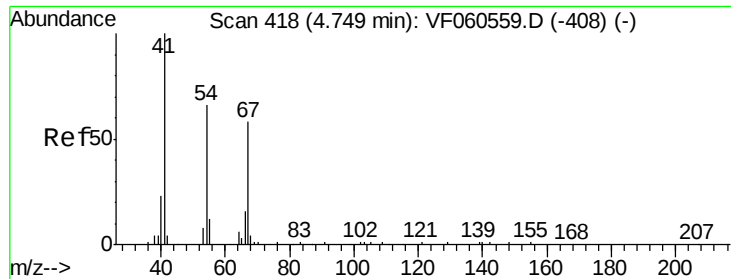
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#40
Benzene
Concen: 22.712 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9





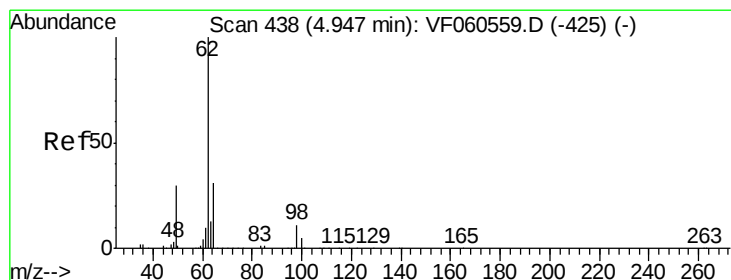
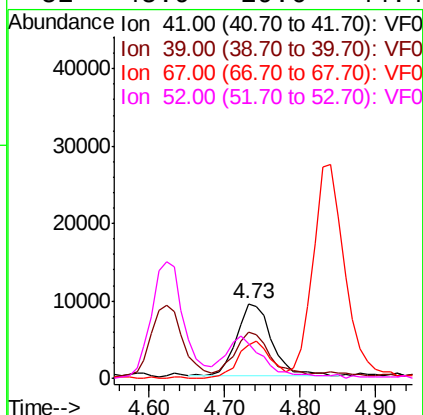
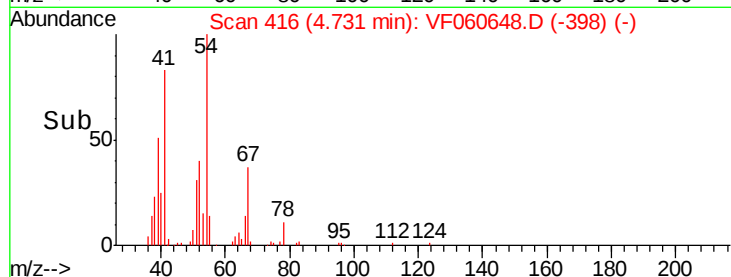
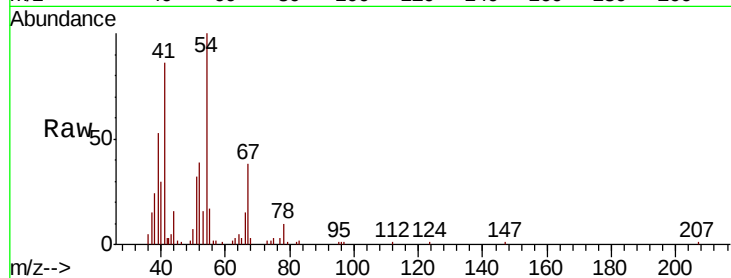
#41
Methacrylonitrile
Concen: 21.978 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.2	45.6	68.4	
67	44.2	45.3	67.9#	
52	45.9	29.6	44.4#	

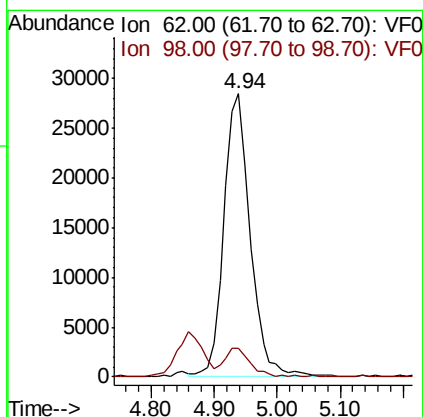
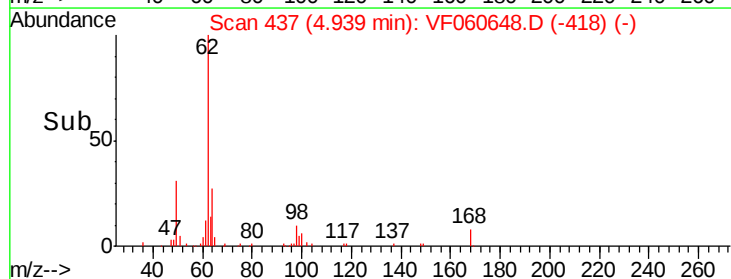
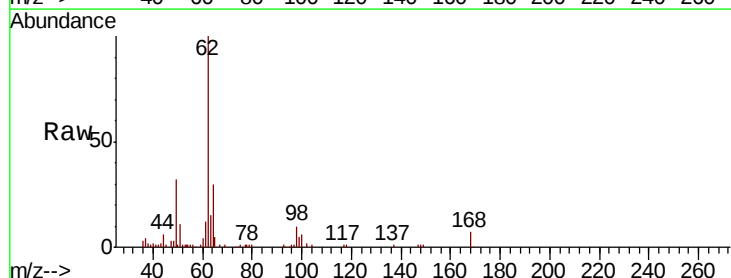
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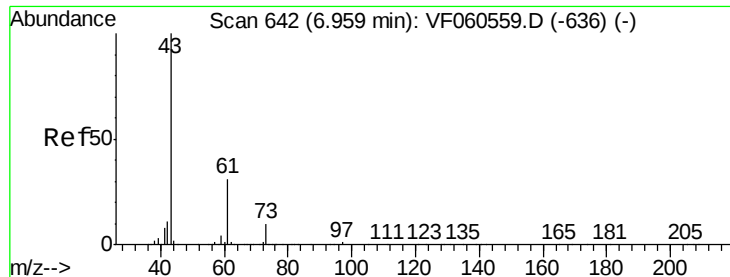
apatel
11/9/2018 3:31:45 PM



#42
1,2-Dichloroethane
Concen: 23.527 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	22.4	





#43

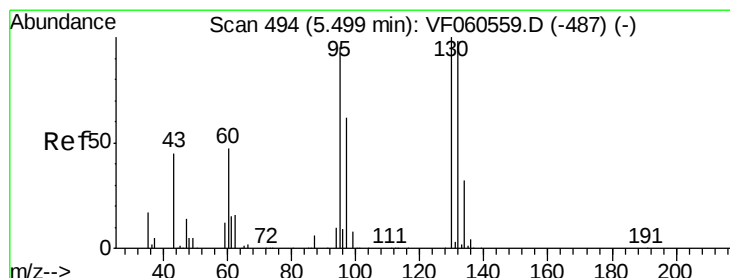
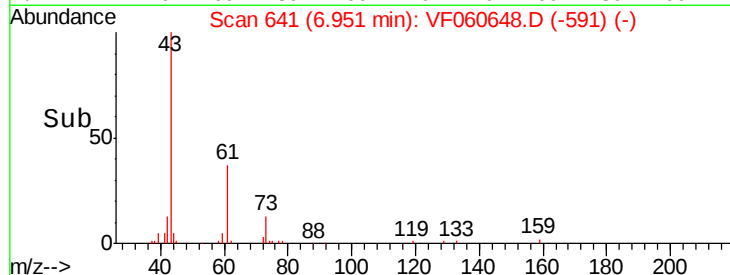
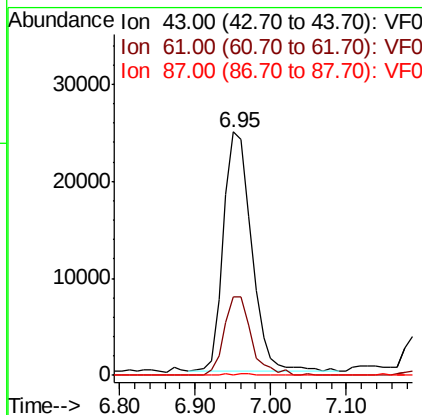
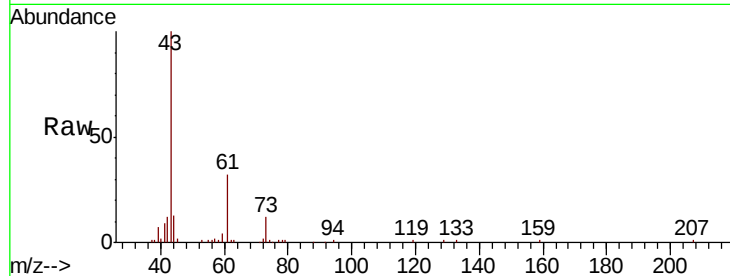
Isopropyl Acetate
 Concen: 20.657 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.2	36.2
87	0.0	0.2	0.4

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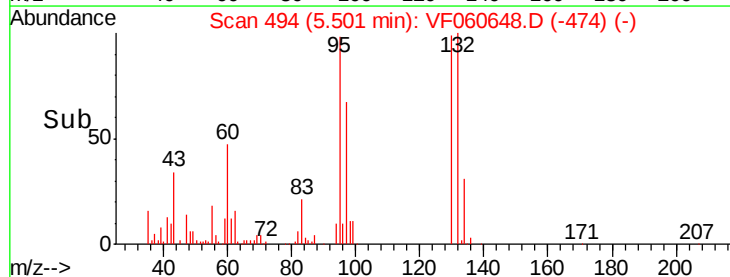
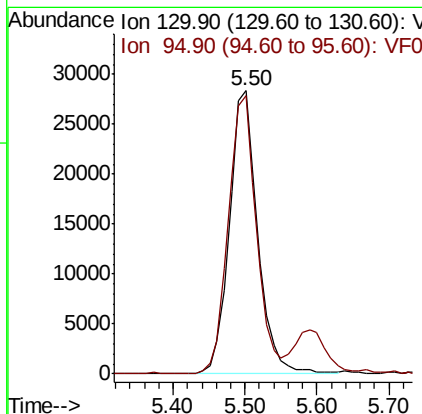
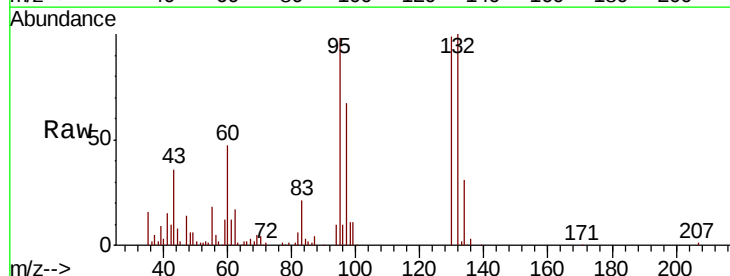
apatel
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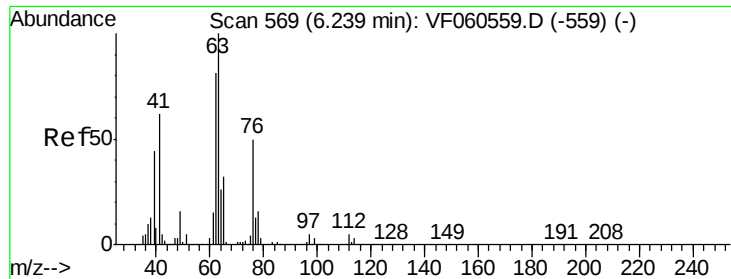


#44

Trichloroethene
 Concen: 21.227 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	191.0





#45

1,2-Dichloropropane

Concen: 21.065 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 63 Resp: 65535

Ion Ratio Lower Upper

63 100

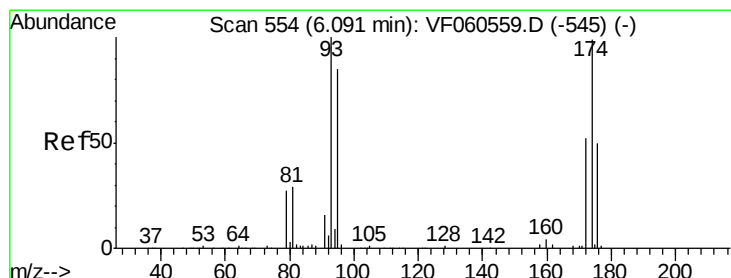
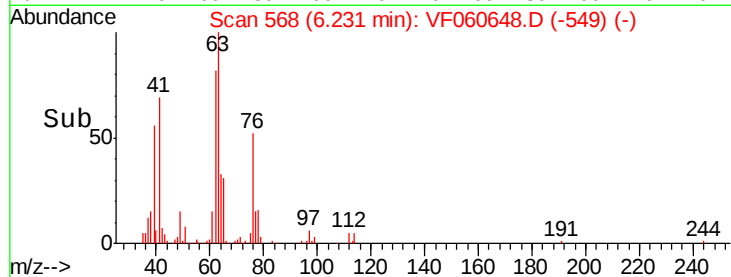
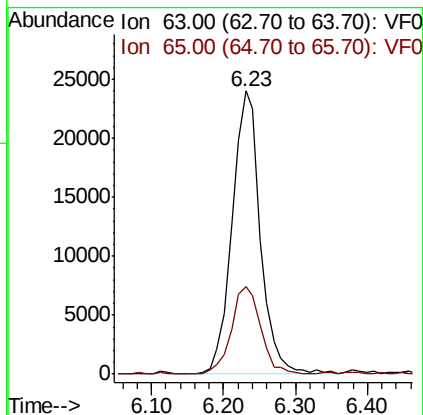
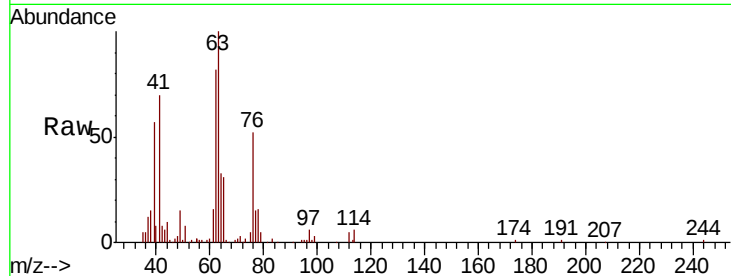
65 31.0 25.4 38.0

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#46

Dibromomethane

Concen: 22.457 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

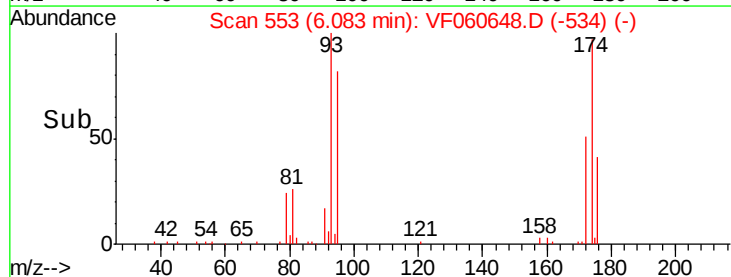
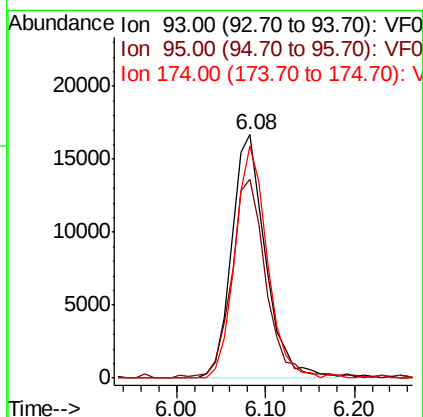
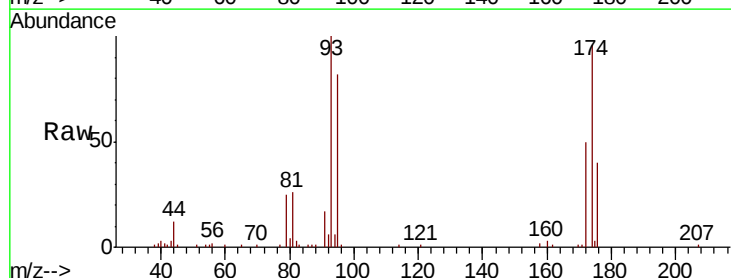
Tgt Ion: 93 Resp: 44323

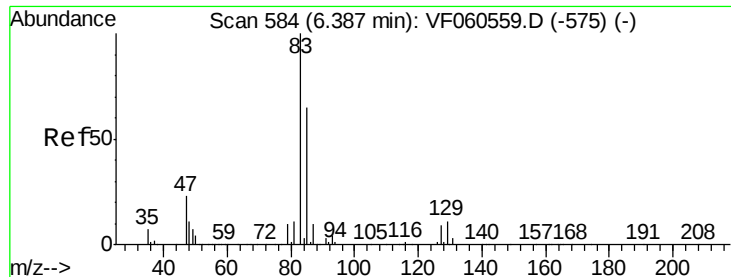
Ion Ratio Lower Upper

93 100

95 81.6 68.6 102.8

174 98.1 79.0 118.4





#47

Bromodichloromethane

Concen: 22.581 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

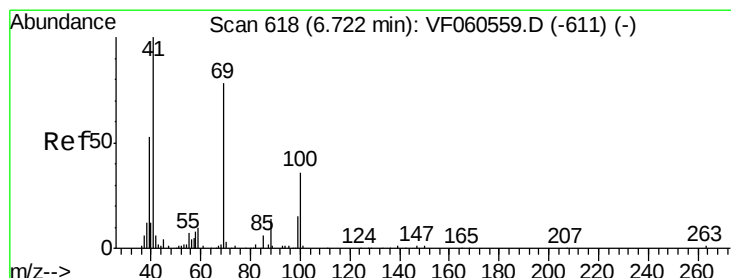
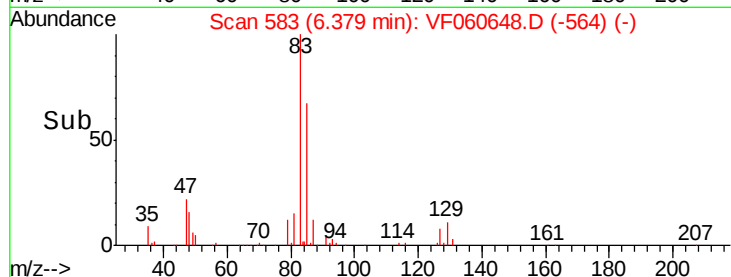
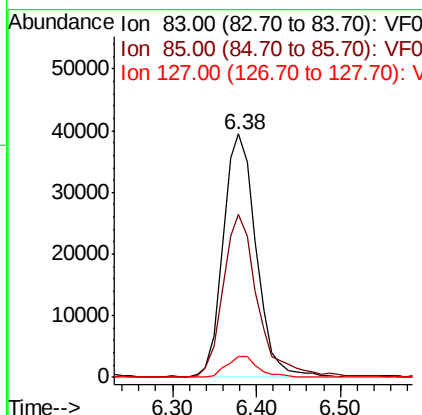
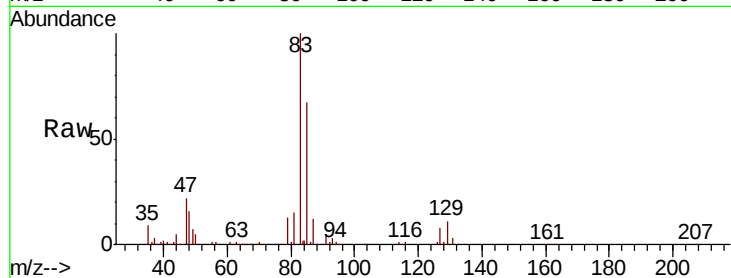
ClientSampleId :

VF1108SBS01

Tot Ion:	83	Resp:	107498
Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.8	77.6
127	8.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.429 ug/l

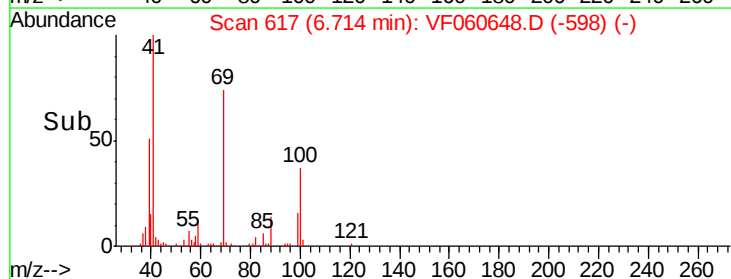
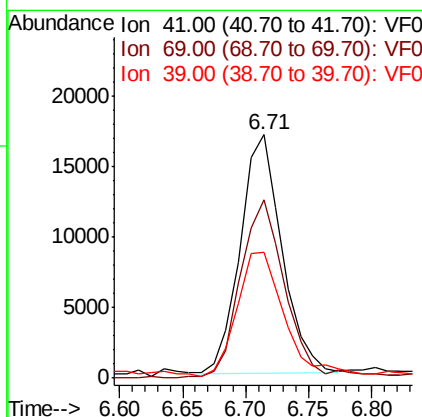
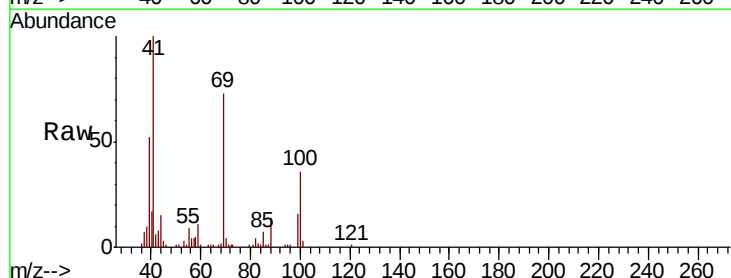
RT: 6.71 min Scan# 617

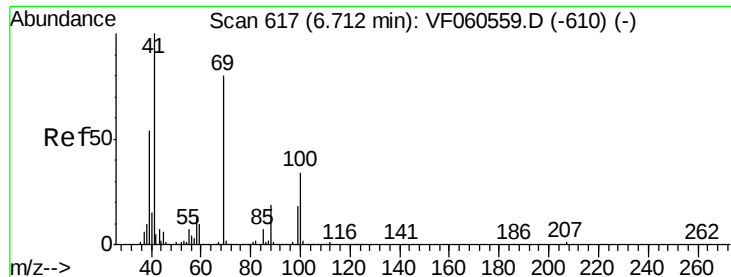
Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	41	Resp:	39070
Ion	Ratio	Lower	Upper
41	100		
69	73.4	61.1	91.7
39	51.5	43.0	64.6





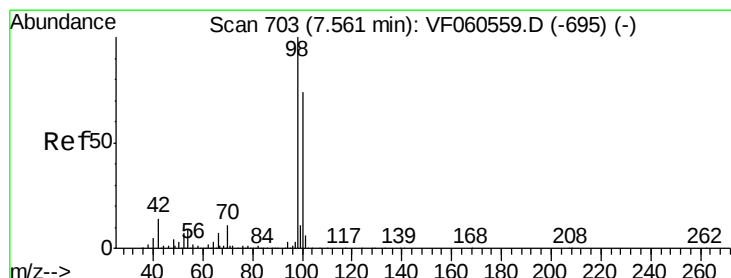
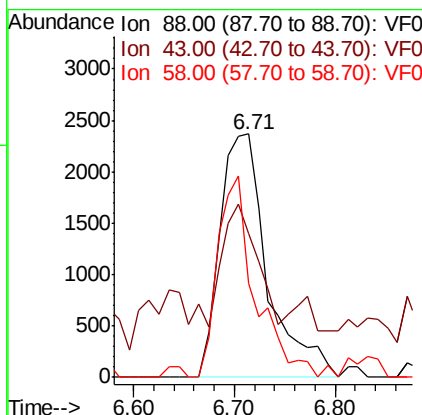
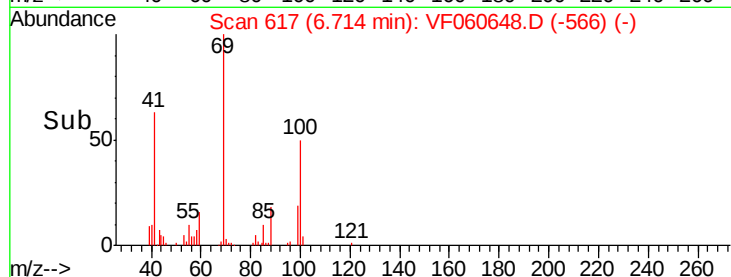
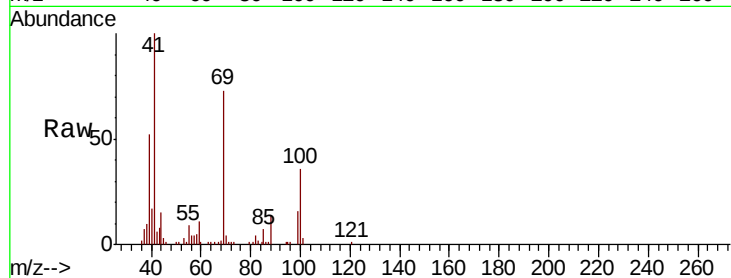
#49
1,4-Dioxane
Concen: 388.780 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.0	61.2	91.8#
58	38.7	56.9	85.3#

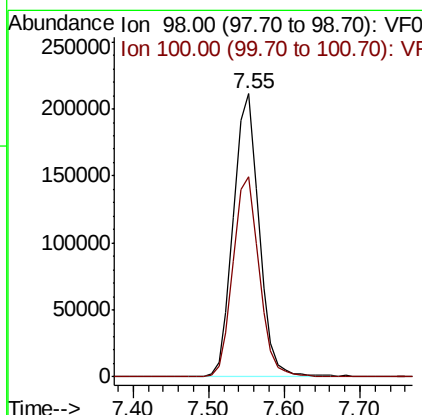
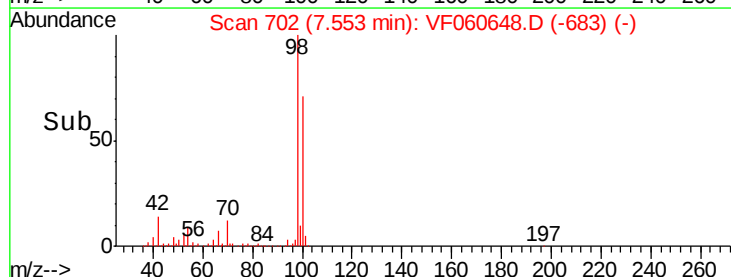
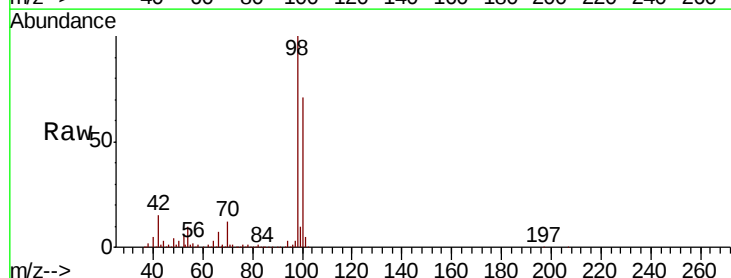
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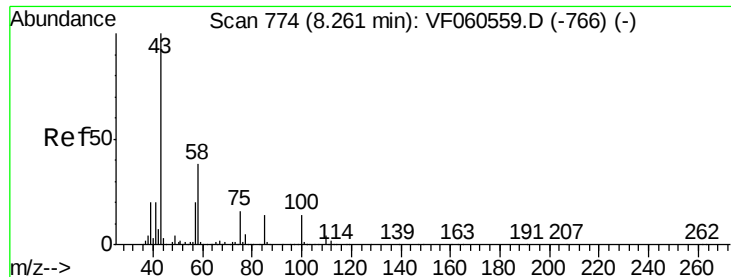
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#50
Toluene-d8
Concen: 47.714 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.9	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 115.975 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 43 Resp: 237317

Ion Ratio Lower Upper

43 100

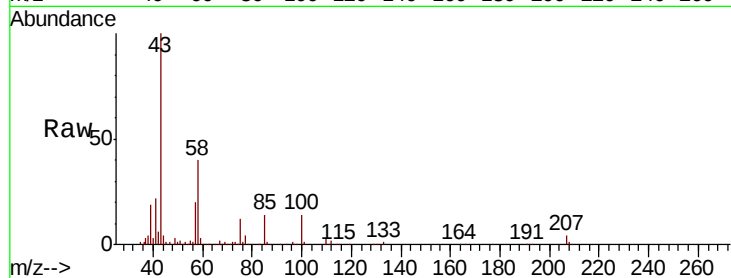
58 40.2 30.1 45.1

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

120000

100000

80000

60000

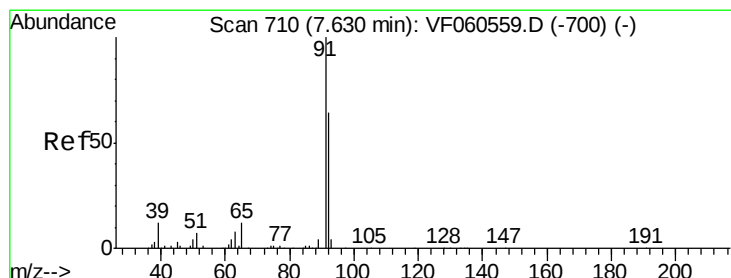
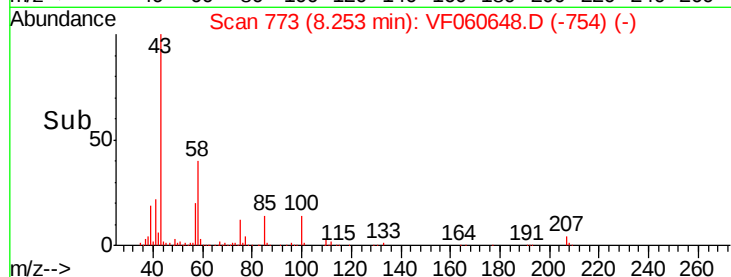
40000

20000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 20.654 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060648.D

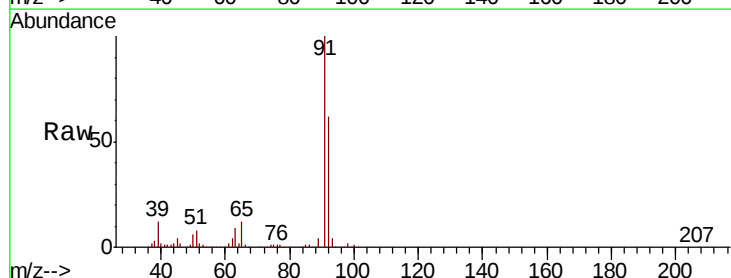
Acq: 8 Nov 2018 14:00

Tgt Ion: 92 Resp: 163666

Ion Ratio Lower Upper

92 100

91 160.8 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

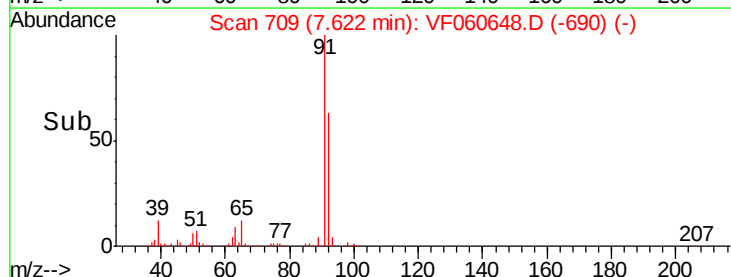
100000

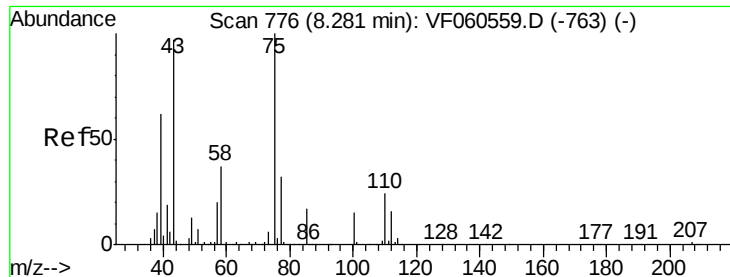
50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.820 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 75 Resp: 86144

Ion Ratio Lower Upper

75 100

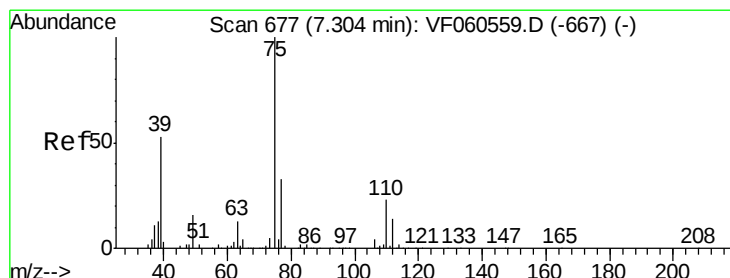
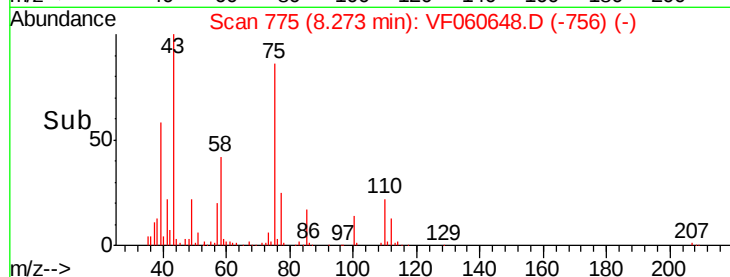
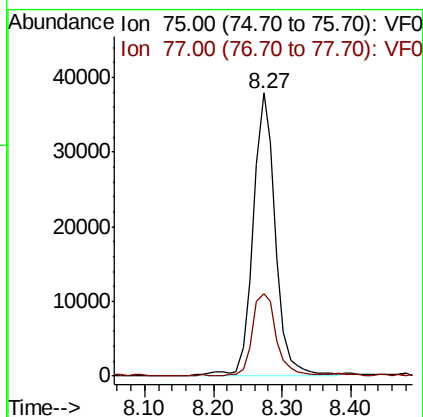
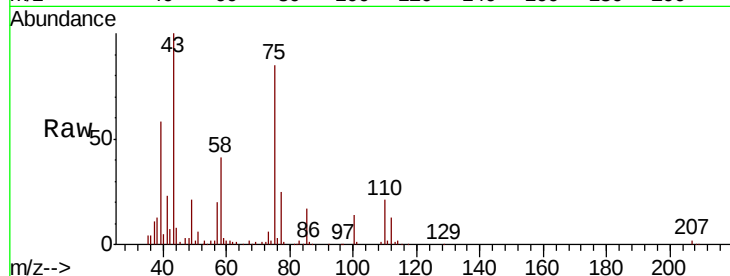
77 29.1 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.973 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

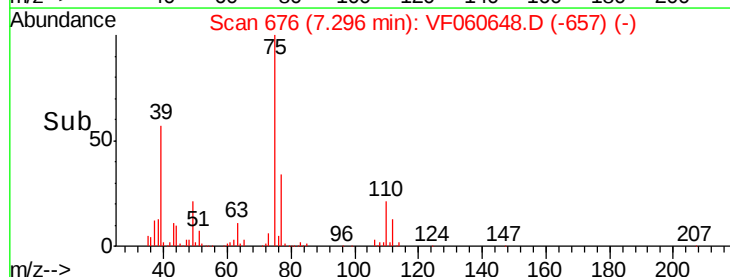
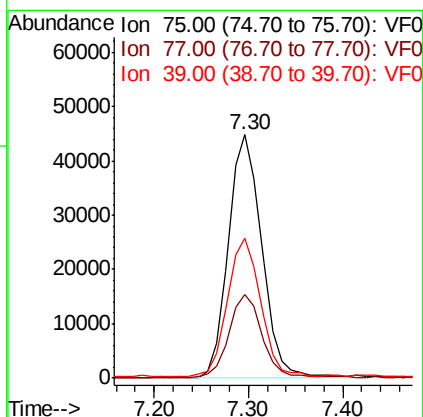
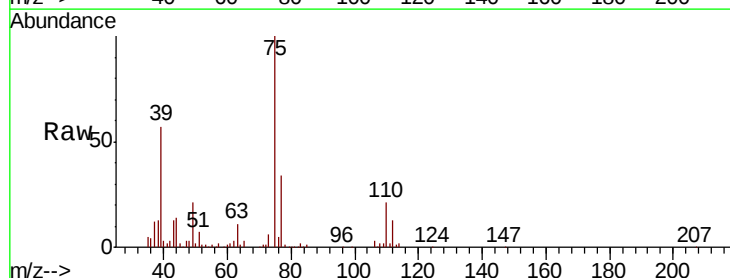
Tgt Ion: 75 Resp: 109641

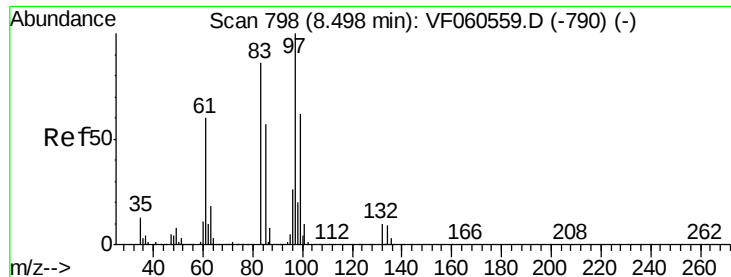
Ion Ratio Lower Upper

75 100

77 34.2 26.7 40.1

39 57.2 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 21.931 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

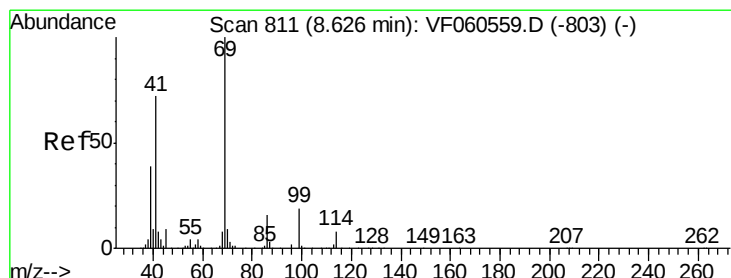
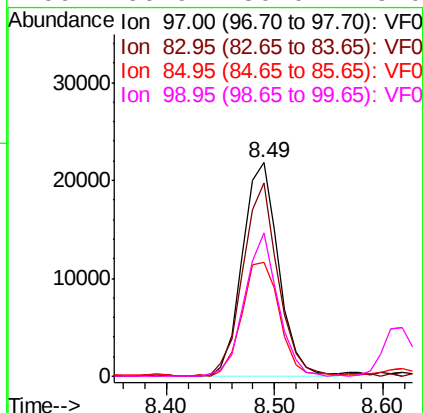
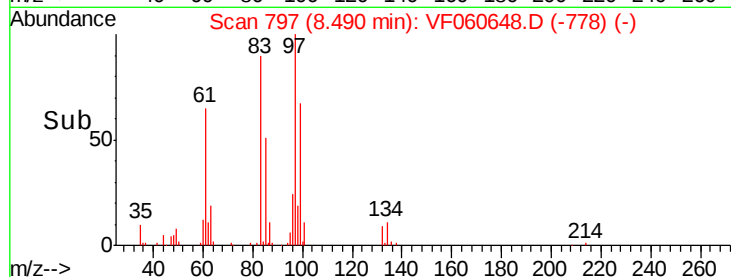
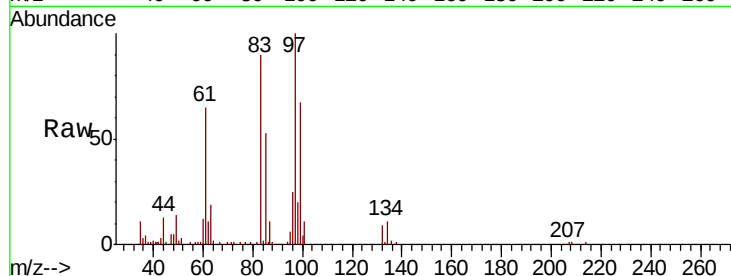
ClientSampleId :

VF1108SBS01

Tot Ion:	97	Resp:	50571
Ion	Ratio	Lower	Upper
97	100		
83	90.3	69.4	104.0
85	53.3	46.6	69.8
99	66.9	50.0	75.0

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#56

Ethyl methacrylate

Concen: 20.050 ug/l

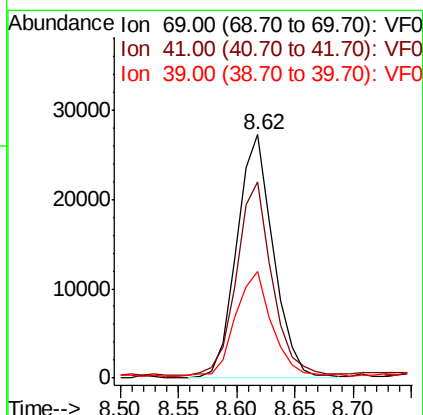
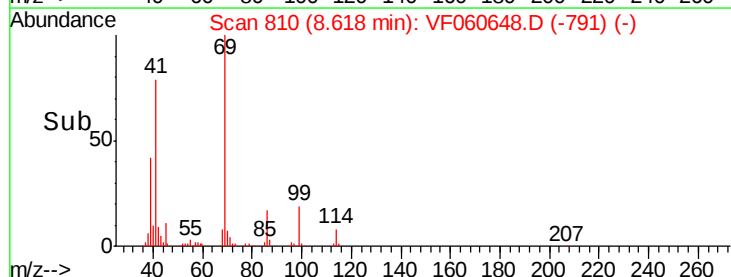
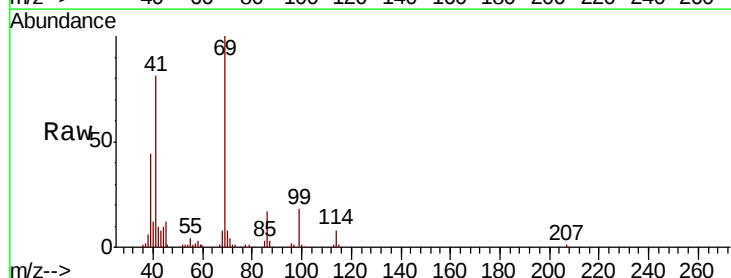
RT: 8.62 min Scan# 810

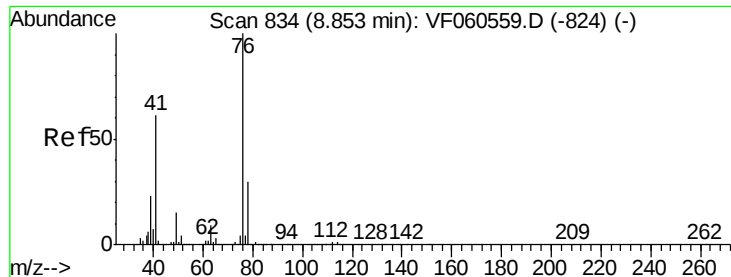
Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	69	Resp:	59483
Ion	Ratio	Lower	Upper
69	100		
41	80.7	59.2	88.8
39	43.6	32.3	48.5





#57

1,3-Dichloropropane

Concen: 20.780 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 76 Resp: 84075

Ion Ratio Lower Upper

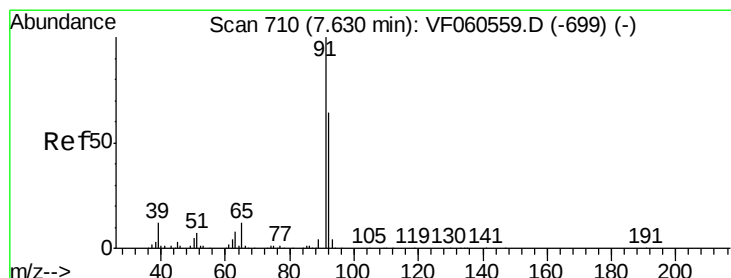
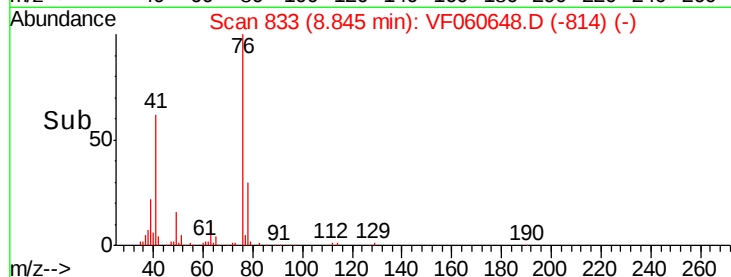
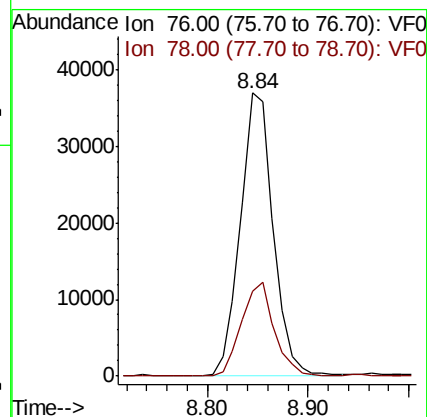
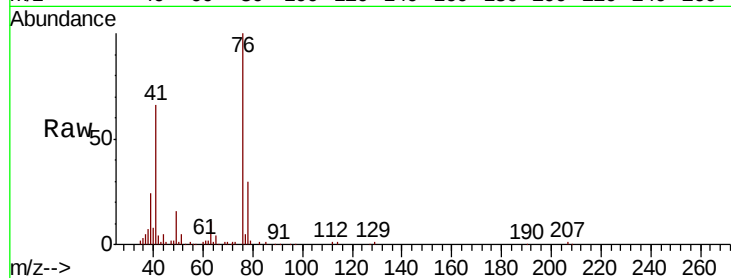
76 100

78 29.9 24.2 36.4

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#58

2-Chloroethyl Vinyl ether

Concen: 110.255 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060648.D

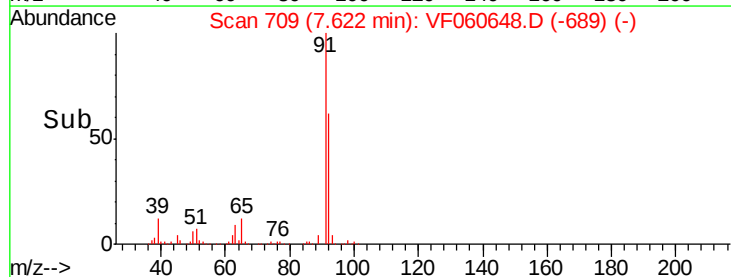
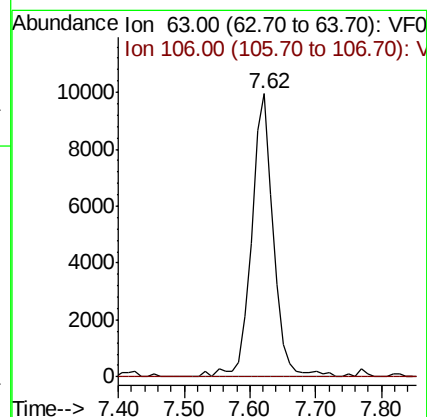
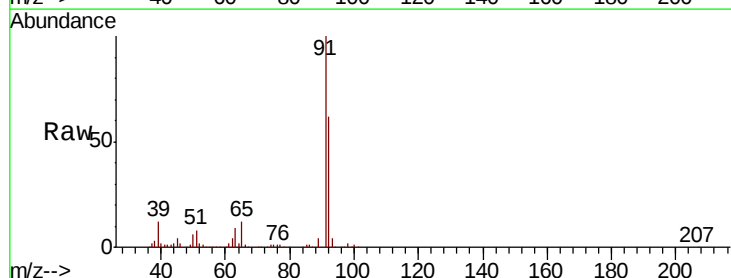
Acq: 8 Nov 2018 14:00

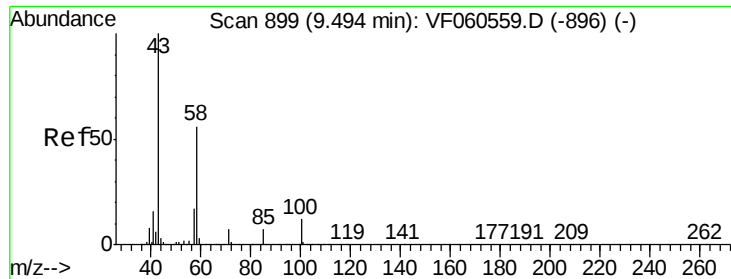
Tgt Ion: 63 Resp: 23136

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





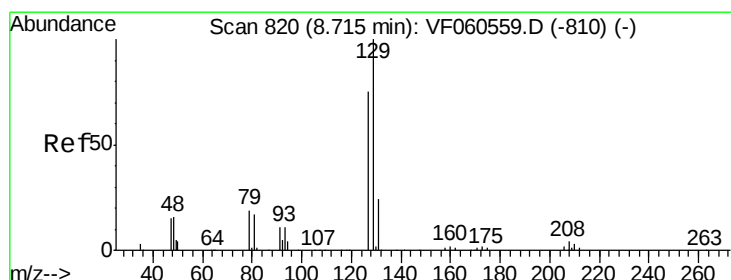
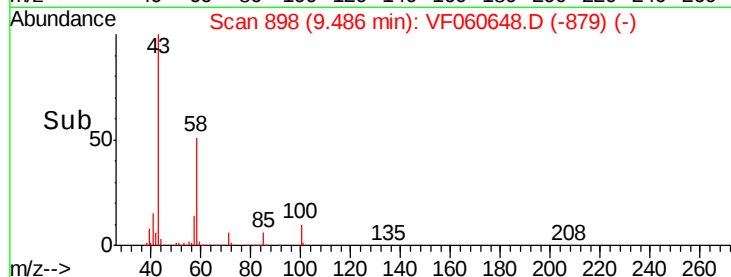
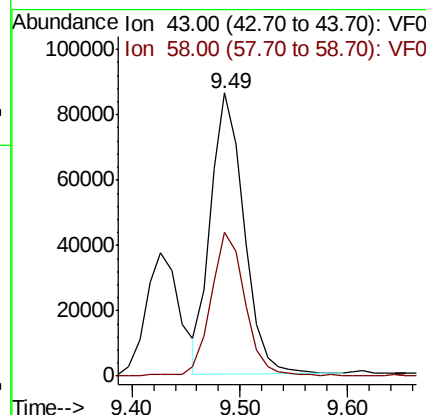
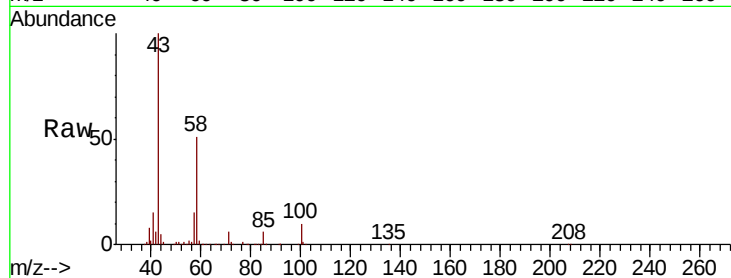
#59
2-Hexanone
Concen: 121.412 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	26.1	78.3

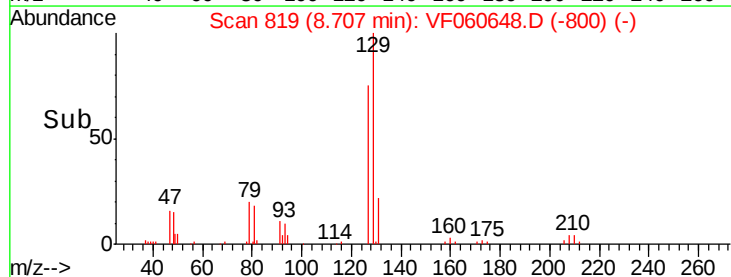
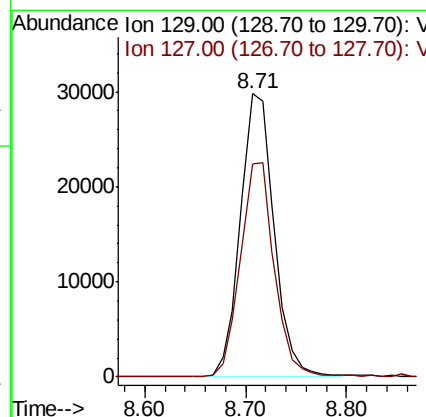
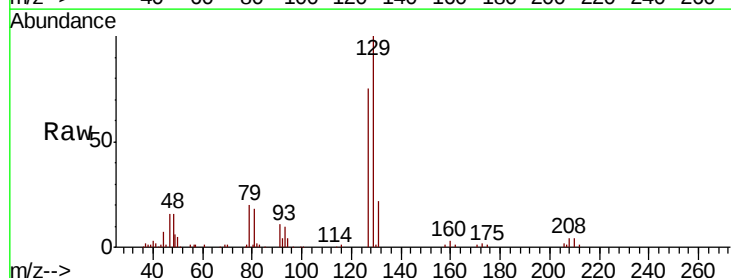
Manual Integrations
APPROVED

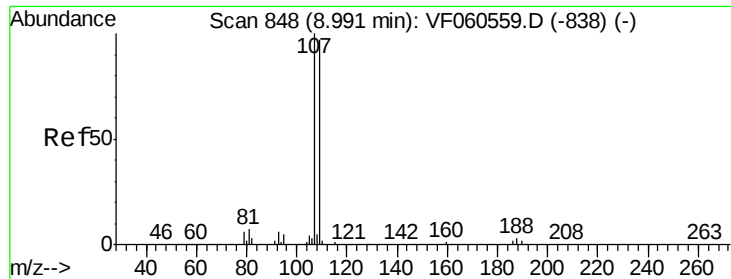
apatel
11/9/2018 3:31:45 PM



#60
Dibromochloromethane
Concen: 21.556 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	37.8	113.3





#61

1,2-Dibromoethane

Concen: 21.773 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion:107 Resp: 52796

Ion Ratio Lower Upper

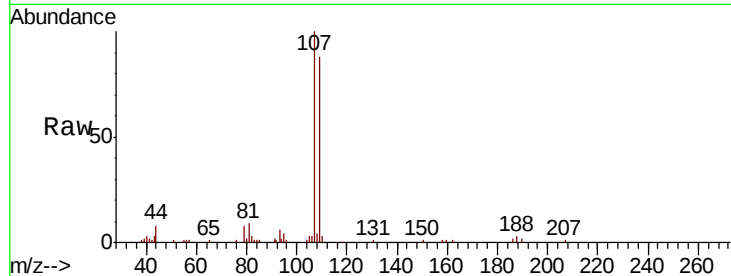
107 100

109 88.0 77.5 116.3

Manual Integrations
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

25000

20000

15000

10000

5000

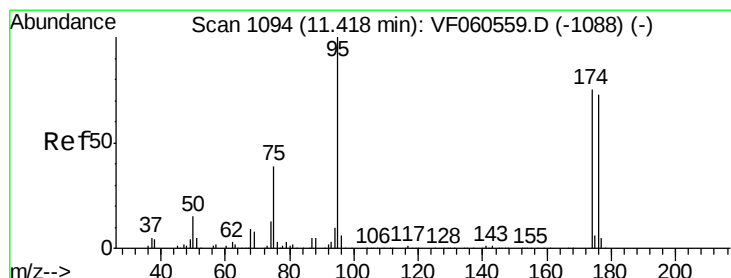
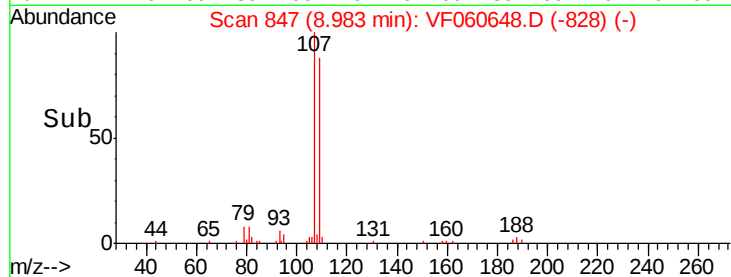
0

8.90

9.00

9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 48.500 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

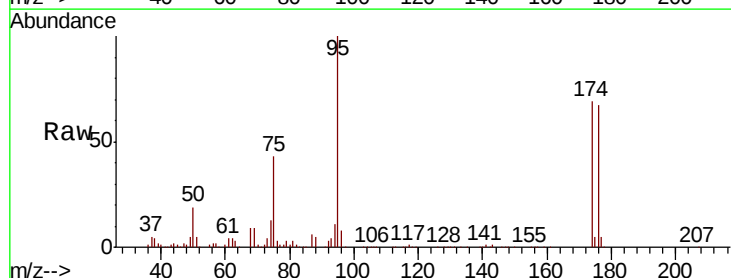
Tgt Ion: 95 Resp: 220984

Ion Ratio Lower Upper

95 100

174 69.0 0.0 149.0

176 66.8 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

100000

50000

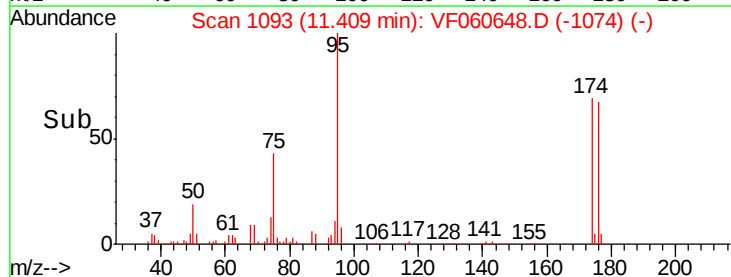
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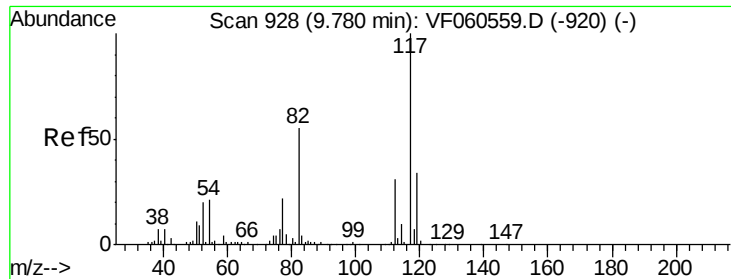
11.30

11.40

11.50

Time-->





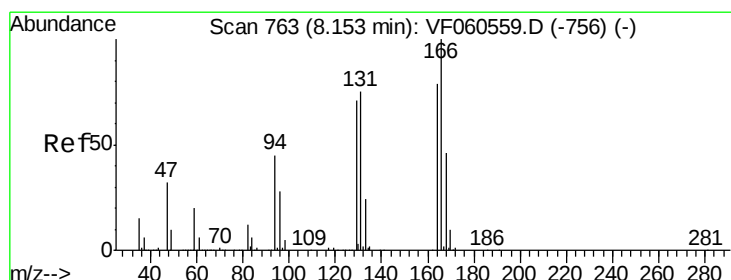
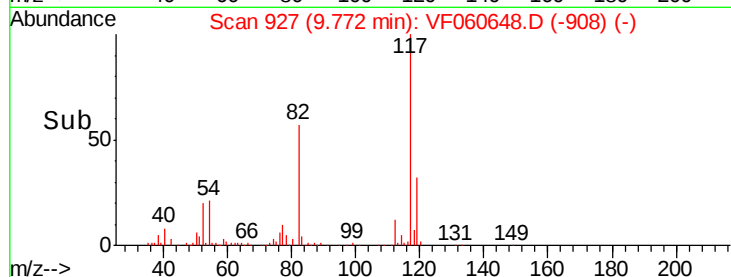
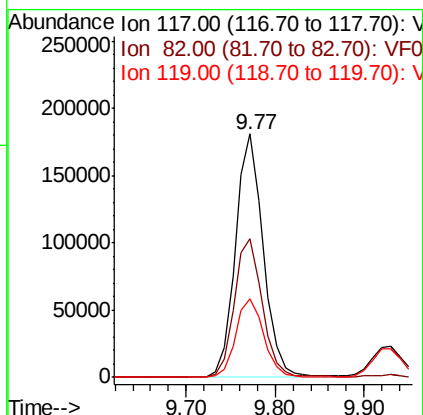
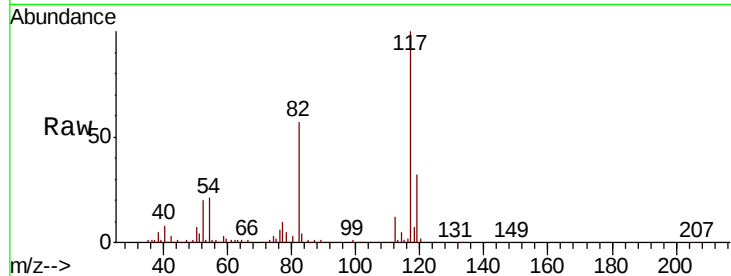
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	392623		
82	57.2		43.9	65.9
119	32.1		27.4	41.0

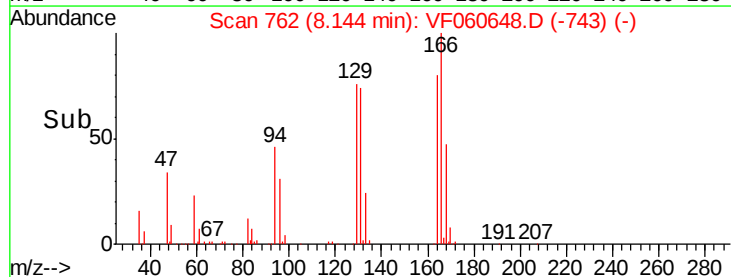
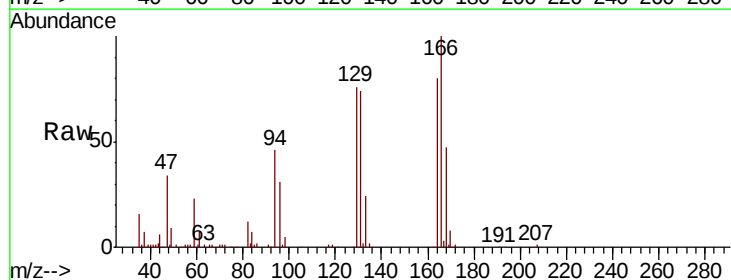
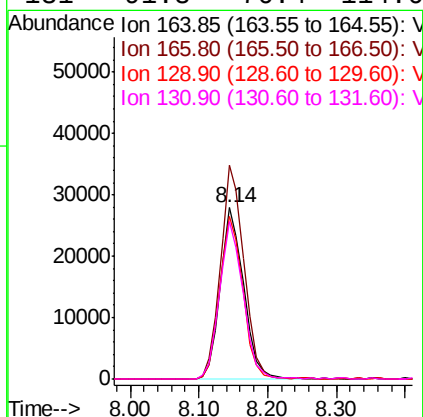
Manual Integrations
APPROVED

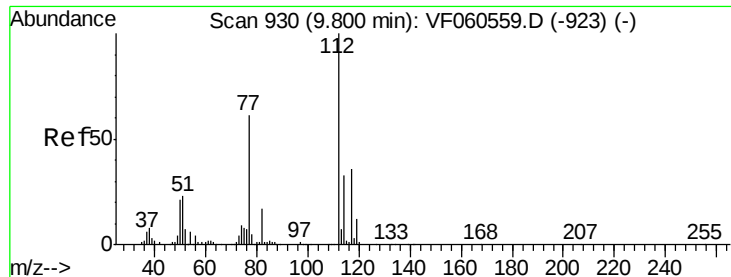
apatel
11/9/2018 3:31:45 PM



#64
Tetrachloroethene
Concen: 21.295 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65525		
166	124.7		101.5	152.3
129	95.2		72.5	108.7
131	91.8		76.4	114.6





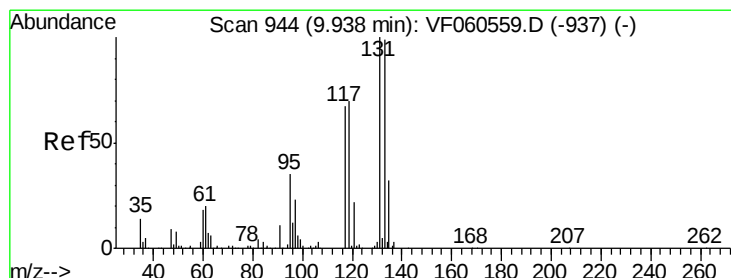
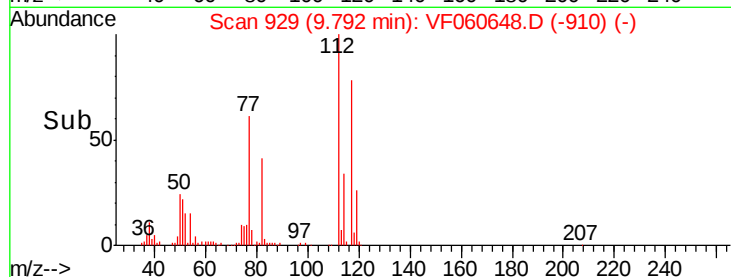
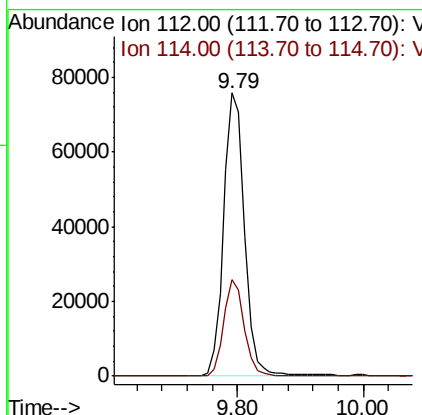
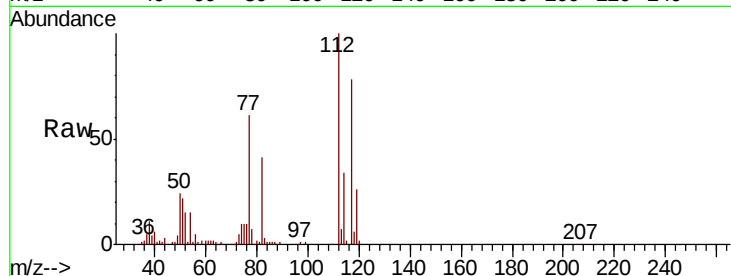
#65
Chlorobenzene
Concen: 21.739 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion:112 Resp: 174546
Ion Ratio Lower Upper
112 100
114 34.3 26.6 40.0

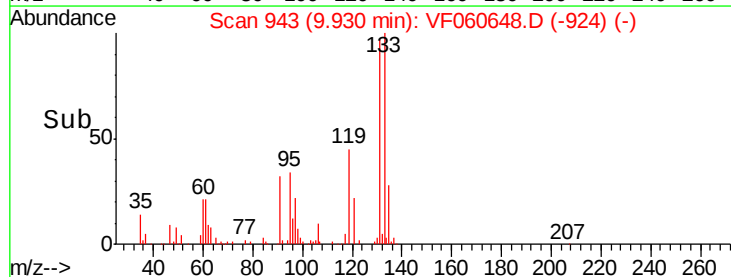
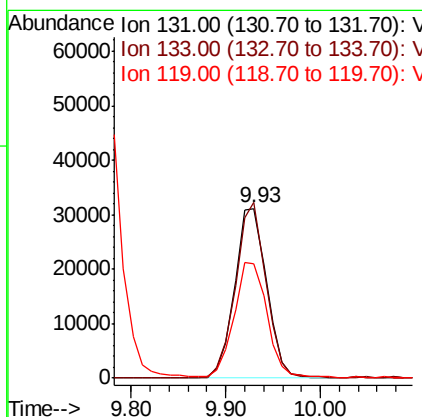
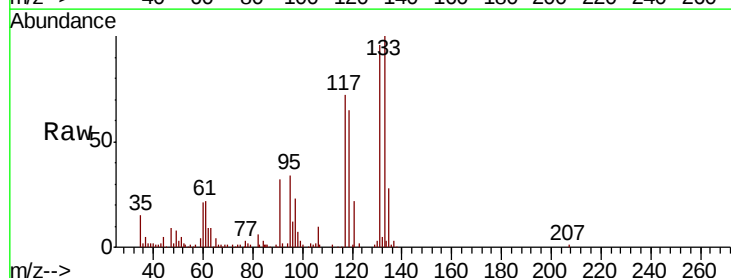
Manual Integrations
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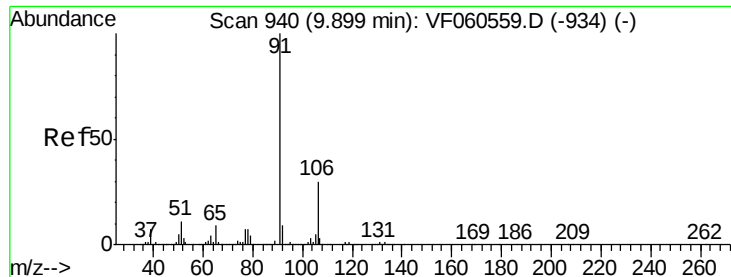
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.663 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion:131 Resp: 73496
Ion Ratio Lower Upper
131 100
133 103.6 49.5 148.7
119 67.4 35.2 105.6





#67

Ethyl Benzene

Concen: 22.184 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion: 91 Resp: 323232

Ion Ratio Lower Upper

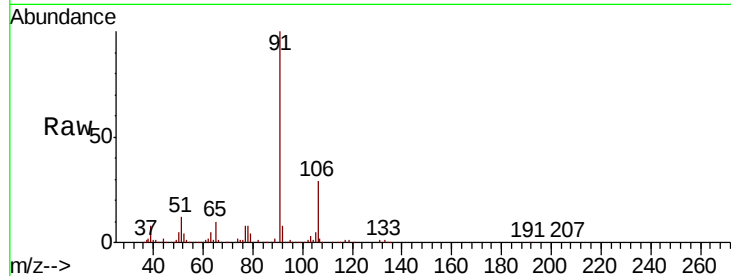
91 100

106 28.9 24.2 36.4

Manual Integrations
APPROVED

apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

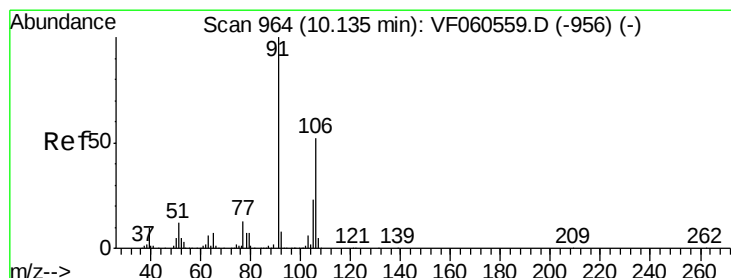
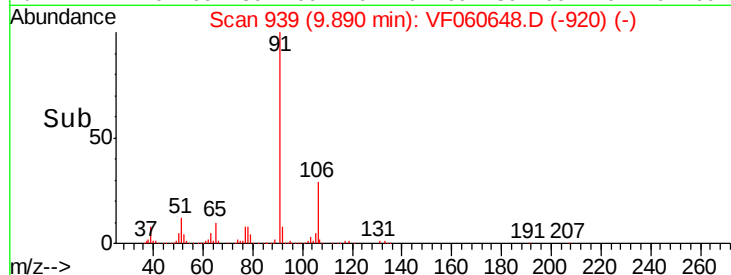
100000

50000

0

9.80 9.90 10.00

Time-->



#68

m/p-Xylenes

Concen: 41.180 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF060648.D

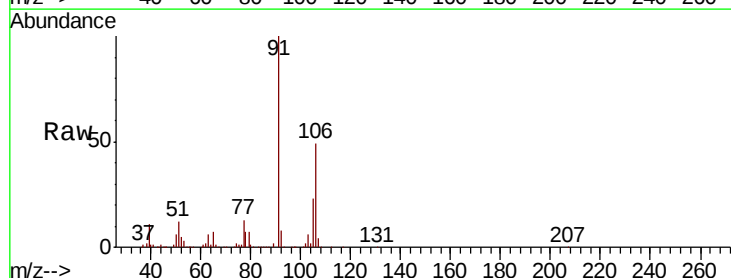
Acq: 8 Nov 2018 14:00

Tgt Ion: 106 Resp: 226016

Ion Ratio Lower Upper

106 100

91 203.6 153.9 230.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

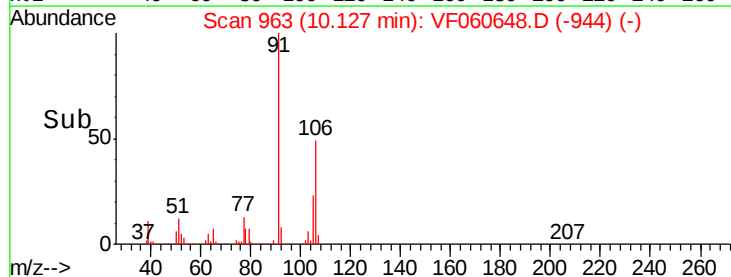
100000

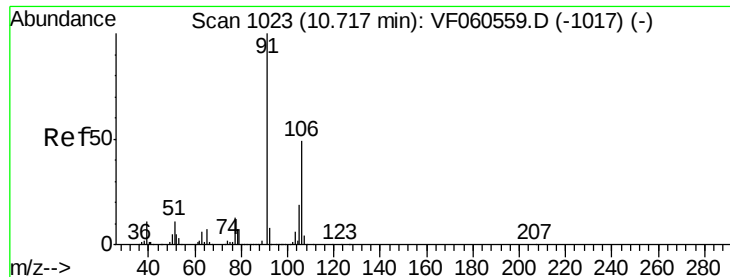
50000

0

10.00 10.10 10.20

Time-->





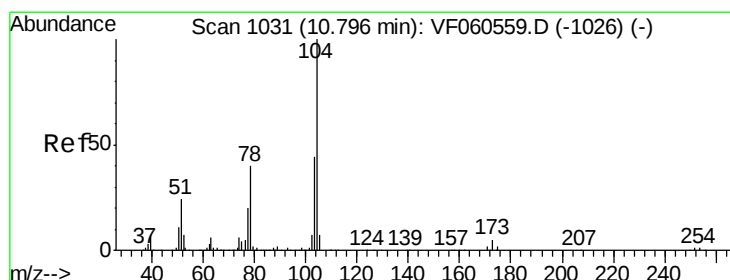
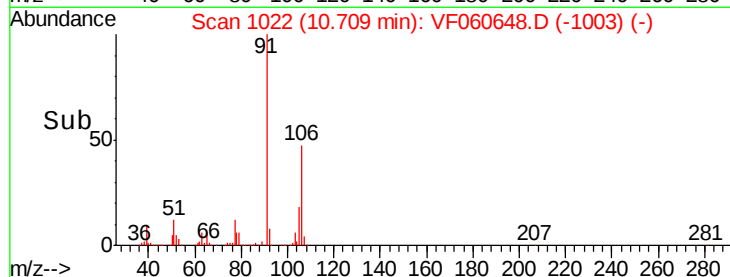
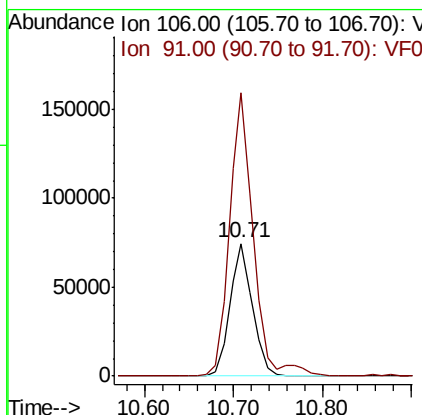
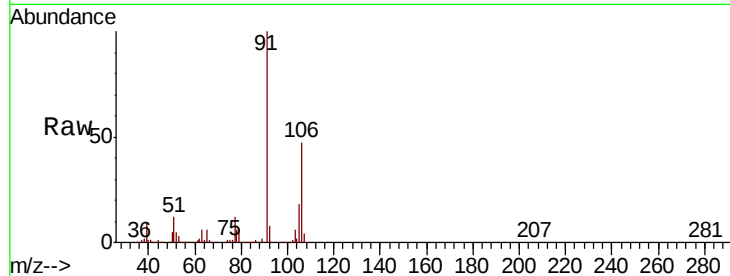
#69
o-Xylene
Concen: 22.278 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	133511		
91	91	213.0	101.8	305.3	

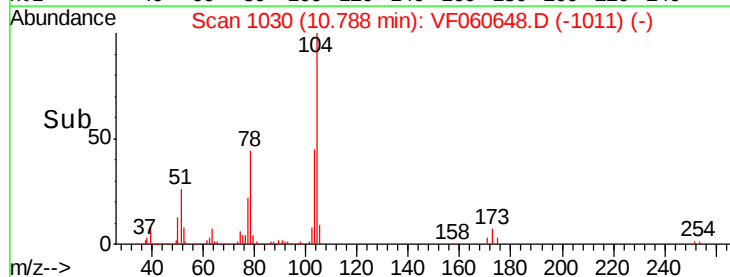
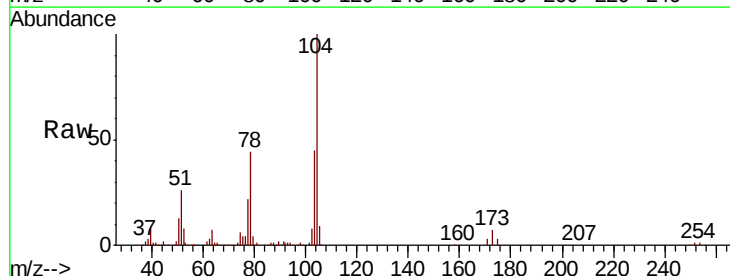
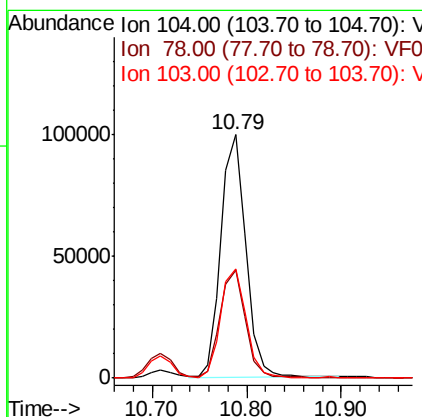
Manual Integrations
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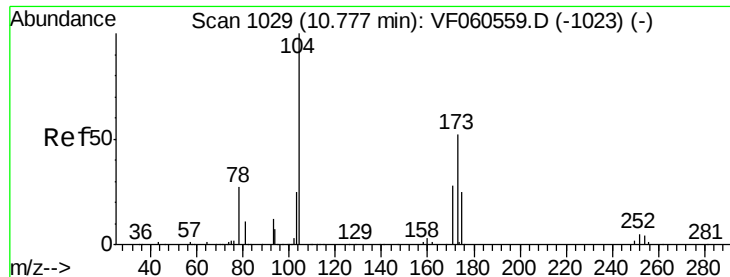
apatel
11/9/2018 3:31:45 PM



#70
Styrene
Concen: 21.126 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	183424		
78	78	44.3	32.6	49.0	
103	103	44.6	35.2	52.8	





#71

Bromoform

Concen: 20.360 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

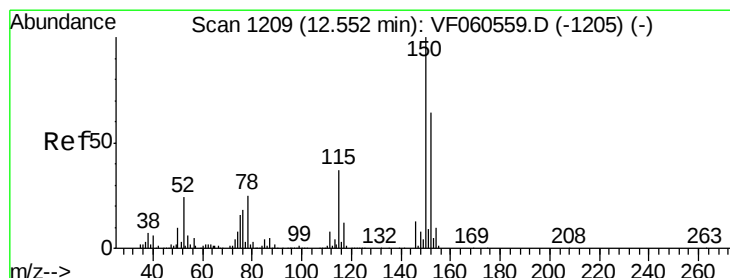
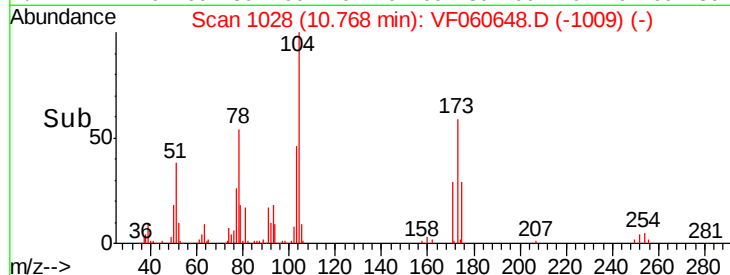
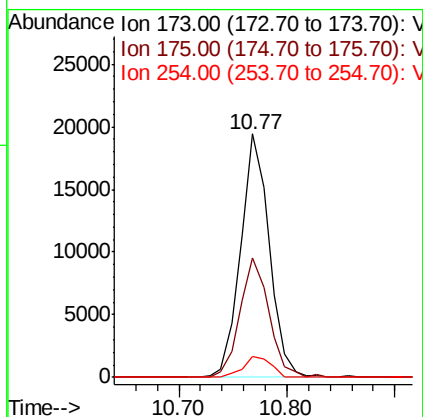
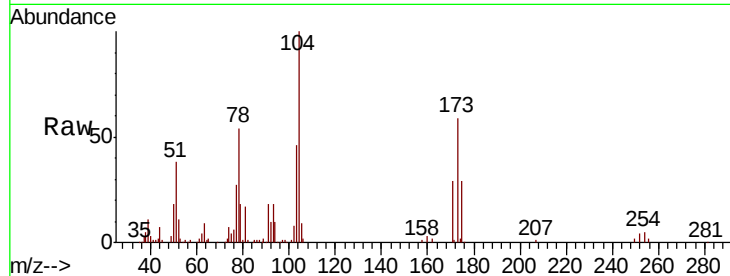
ClientSampleId :

VF1108SBS01

Tot Ion:	173	Resp:	35675
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.9
254	8.7	6.7	10.1

Manual Integrations
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apatel
11/9/2018 3:31:45 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

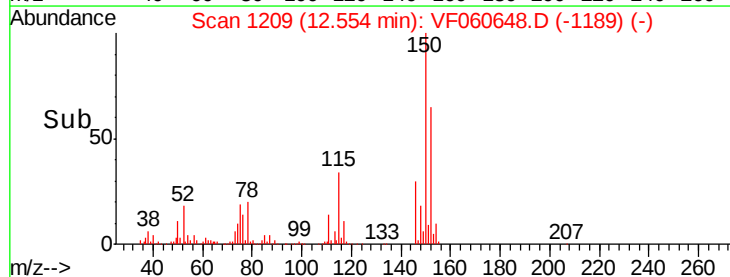
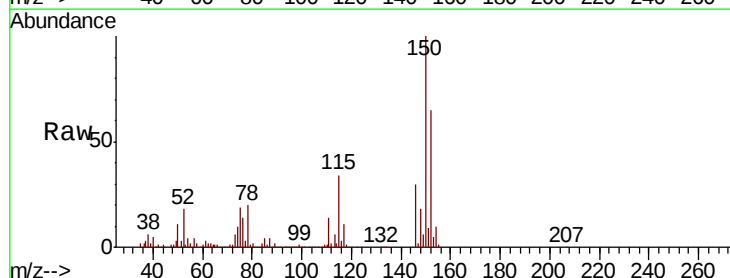
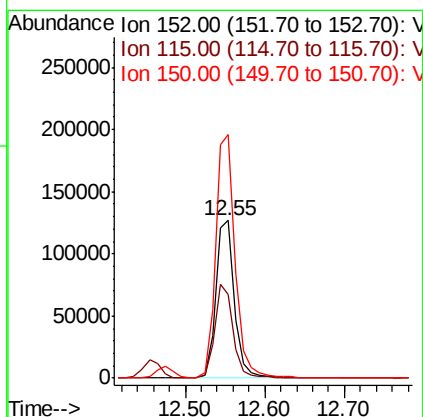
RT: 12.55 min Scan# 1209

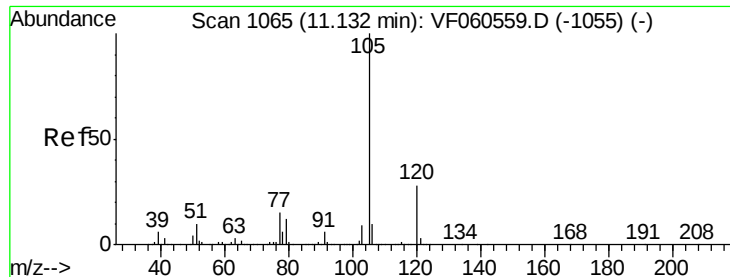
Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	152	Resp:	209847
Ion Ratio	Lower	Upper	
152	100		
115	52.9	29.6	88.8
150	154.8	0.0	315.6





#73

Isopropylbenzene

Concen: 23.105 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF1108SBS01

Tot Ion:105 Resp: 378126

Ion Ratio Lower Upper

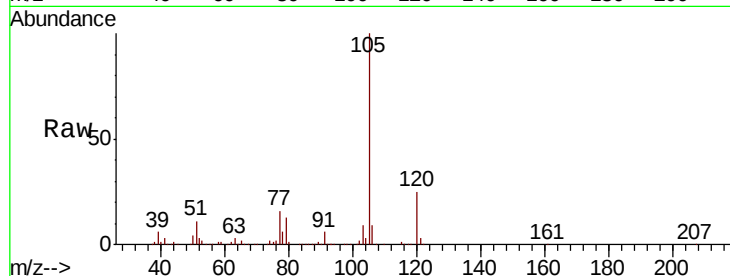
105 100

120 25.2 13.9 41.6

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

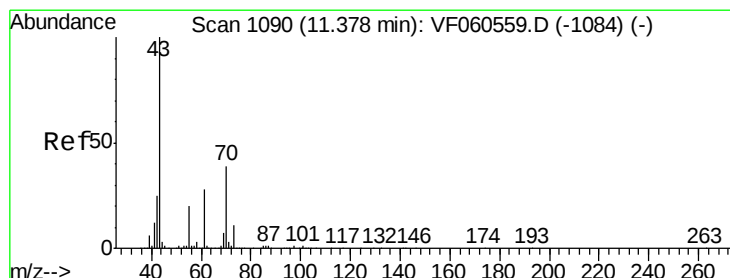
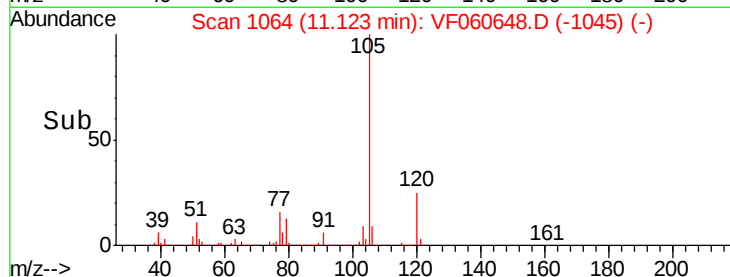
50000

0

11.12

11.10 11.12 11.20

Time-->



#74

N-ethyl acetate

Concen: 20.857 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion: 43 Resp: 95099

Ion Ratio Lower Upper

43 100

70 35.2 30.9 46.3

55 17.9 16.6 24.8

61 23.5 22.0 33.0

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

80000

60000

40000

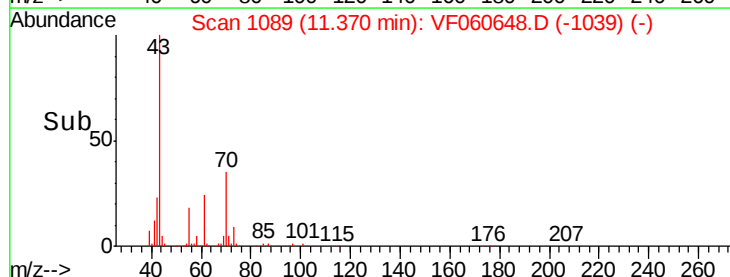
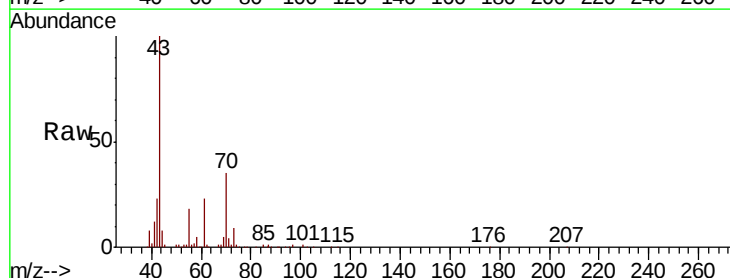
20000

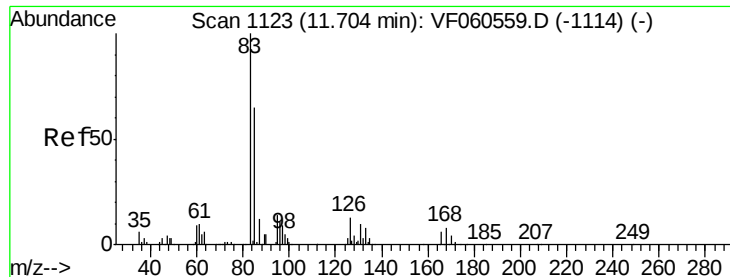
0

11.37

11.30 11.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.711 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

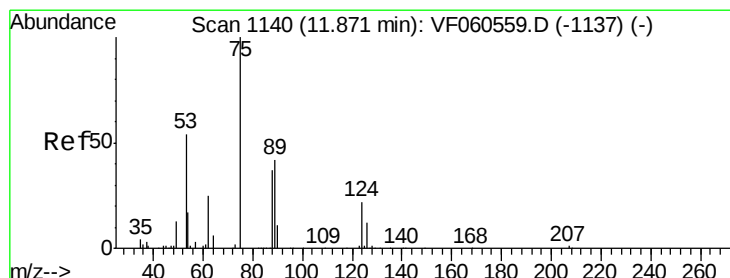
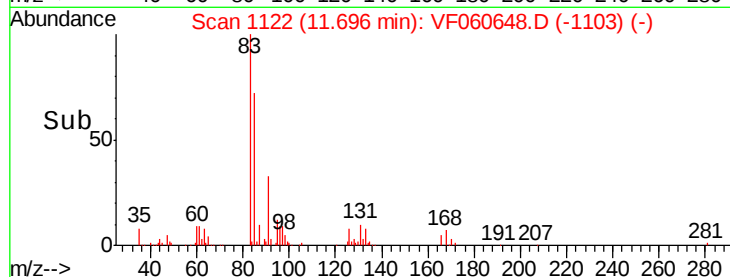
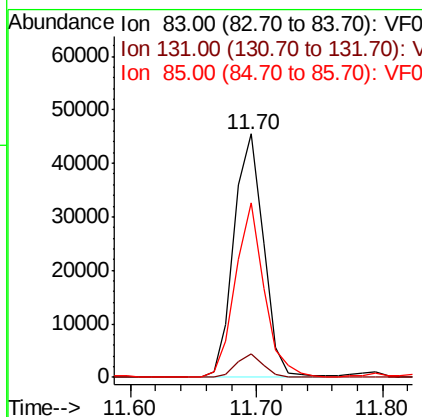
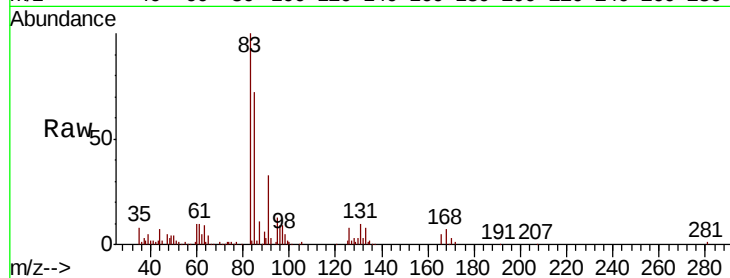
ClientSampleId :

VF1108SBS01

Tot Ion:	83	Resp:	73816
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	71.9	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 21.790 ug/l

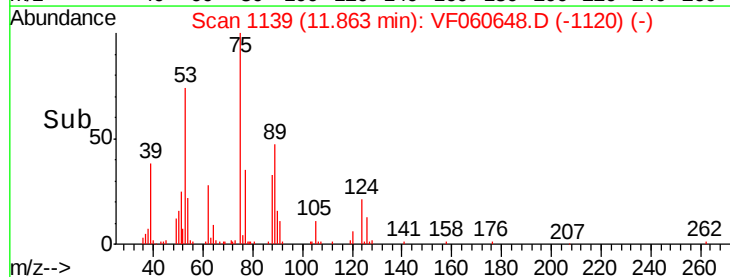
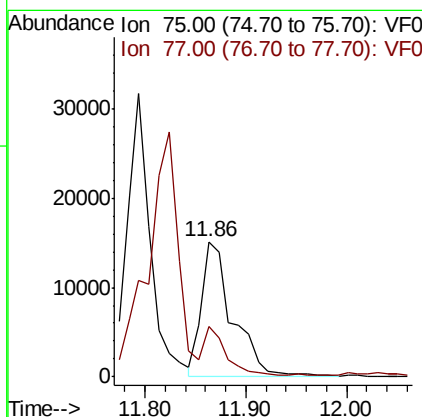
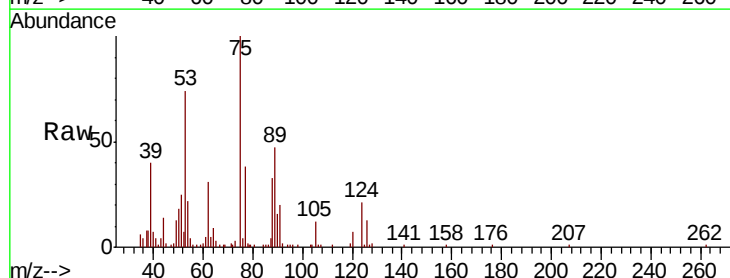
RT: 11.86 min Scan# 1139

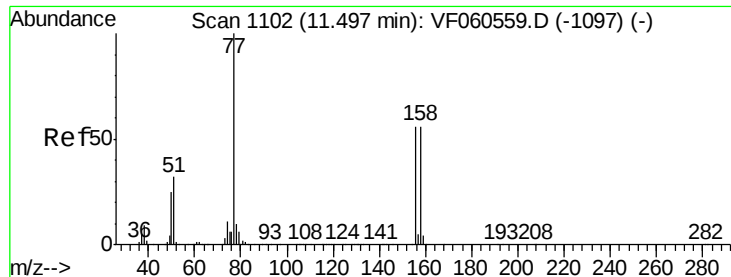
Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	75	Resp:	31989
Ion Ratio	Lower	Upper	
75	100		
77	37.7	17.4	52.3





#77

Bromobenzene

Concen: 21.788 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

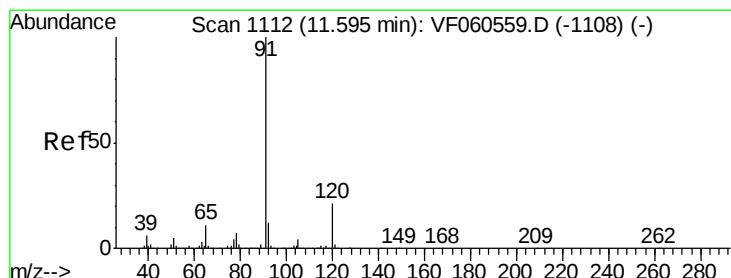
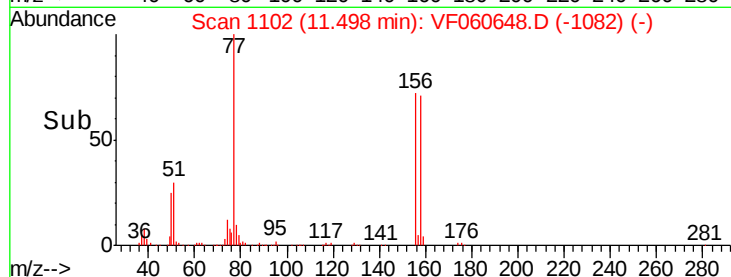
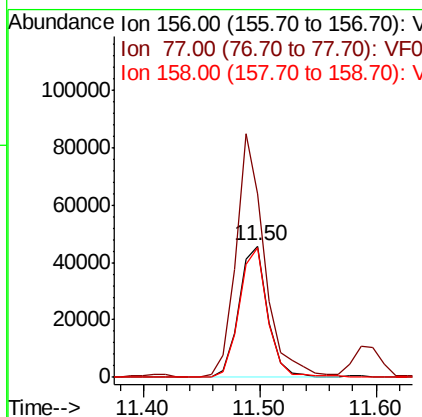
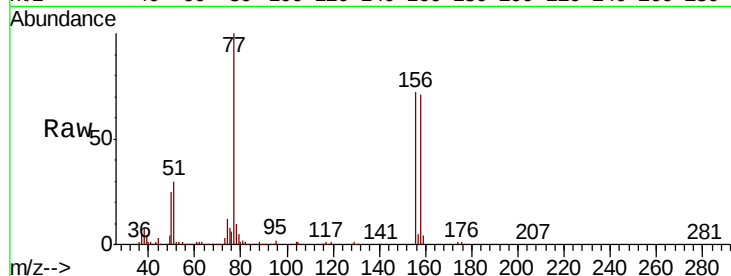
ClientSampleId :

VF1108SBS01

Tot Ion:	156	Resp:	78021
Ion Ratio	Lower	Upper	
156	100		
77	139.7	89.3	268.1
158	98.8	50.0	150.1

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#78

n-propylbenzene

Concen: 23.240 ug/l

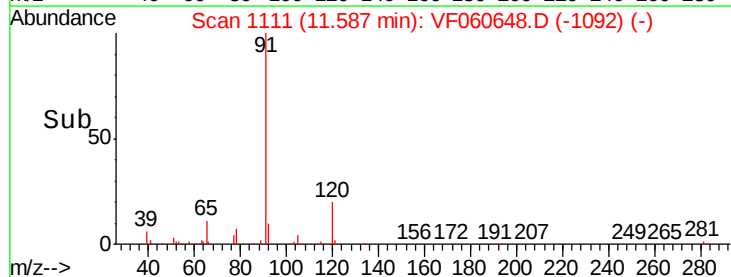
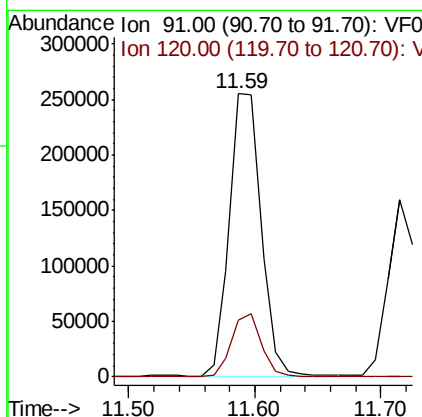
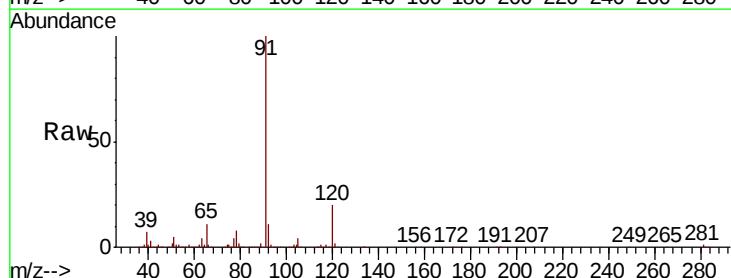
RT: 11.59 min Scan# 1111

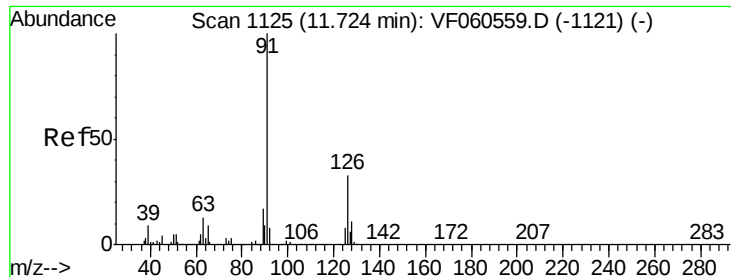
Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	91	Resp:	445001
Ion Ratio	Lower	Upper	
91	100		
120	19.9	10.5	31.6





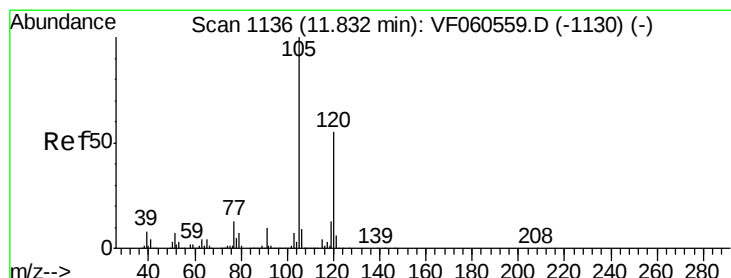
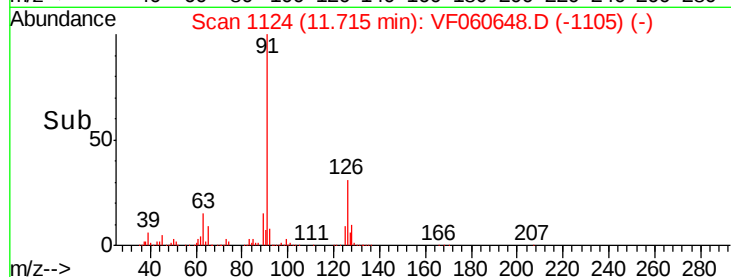
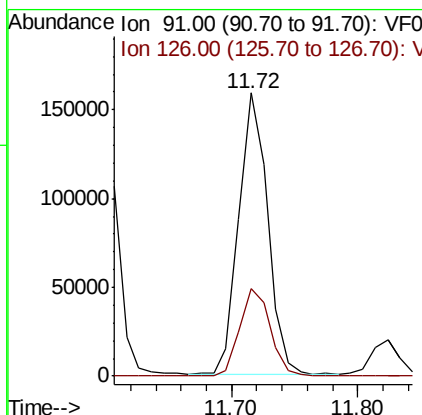
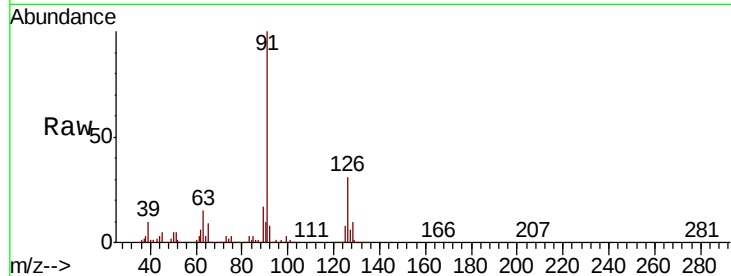
#79
 2-Chlorotoluene
 Concen: 22.977 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.5	49.5

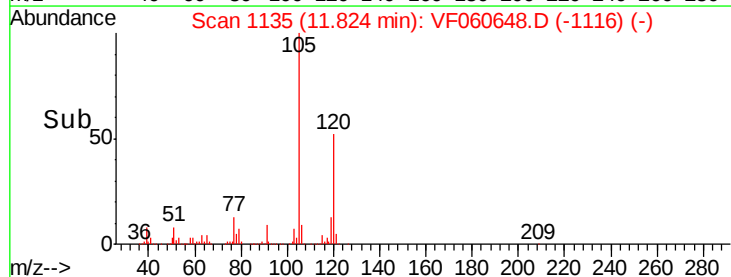
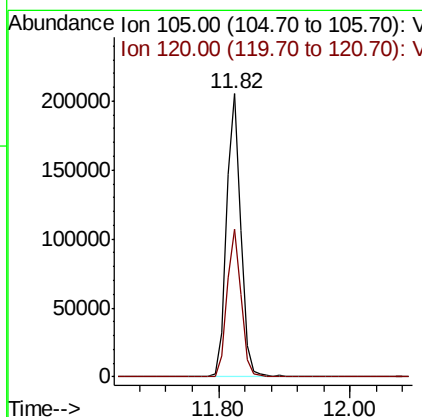
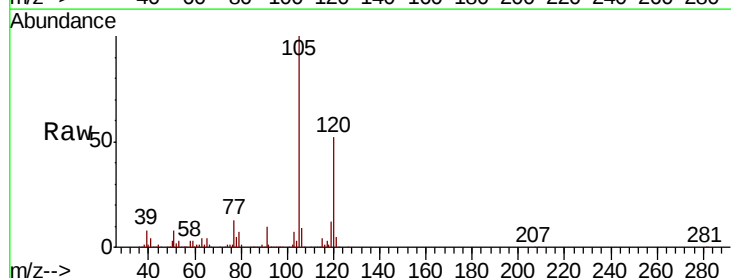
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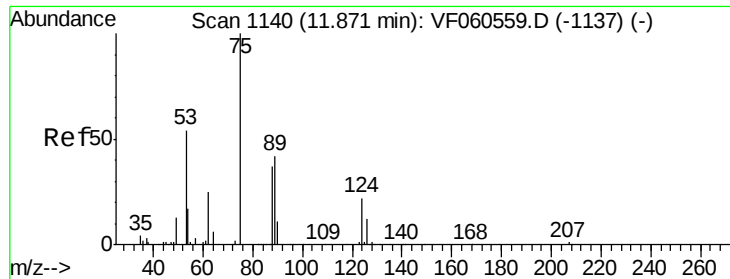
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.145 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.2	27.6	82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.062 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Instrument :

MSVOA_F

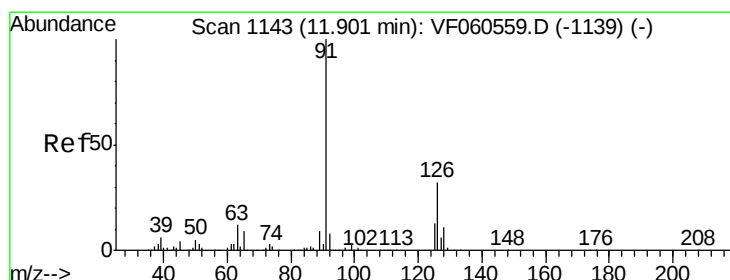
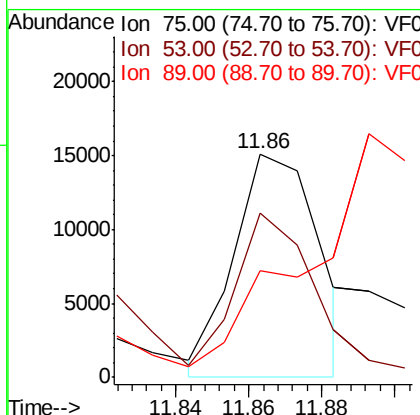
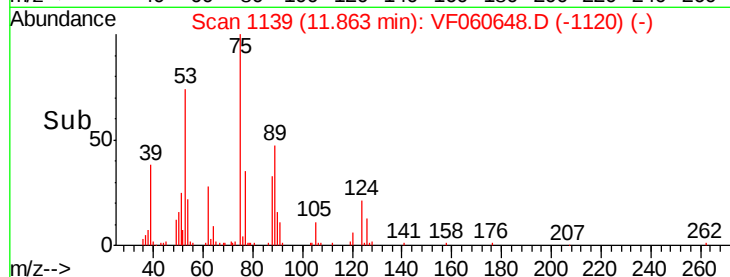
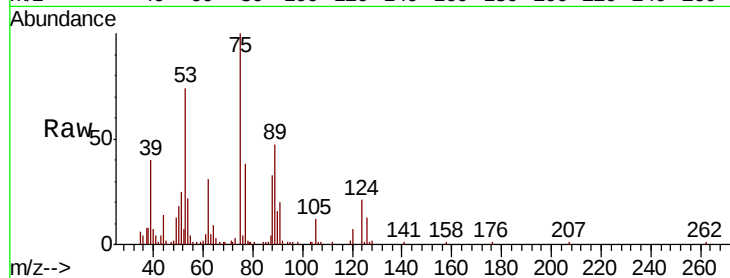
ClientSampleId :

VF1108SBS01

Tot Ion:	75	Resp:	24300
Ion	Ratio	Lower	Upper
75	100		
53	73.6	51.6	77.4
89	47.5	36.7	55.1

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#82

4-Chlorotoluene

Concen: 22.536 ug/l

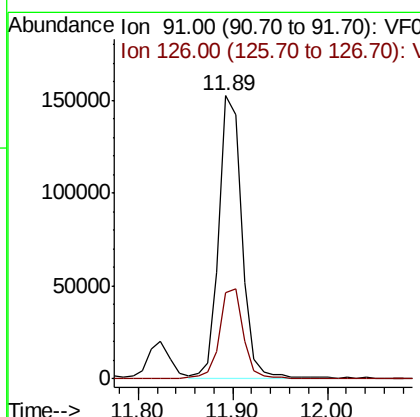
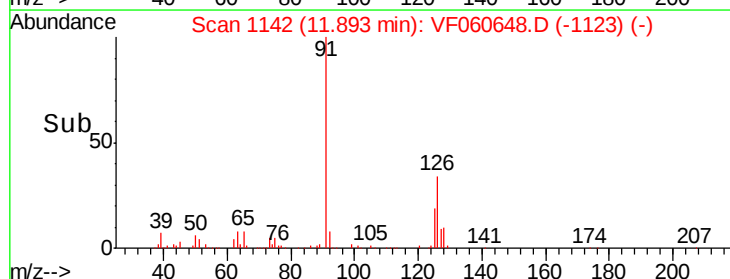
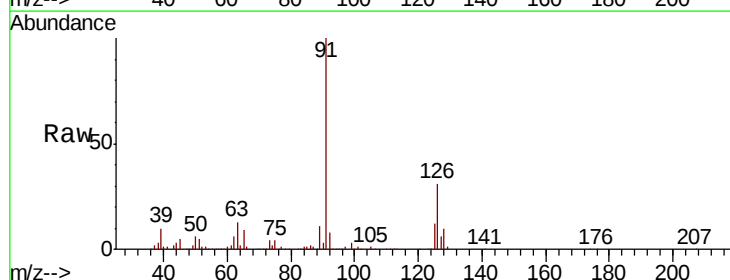
RT: 11.89 min Scan# 1142

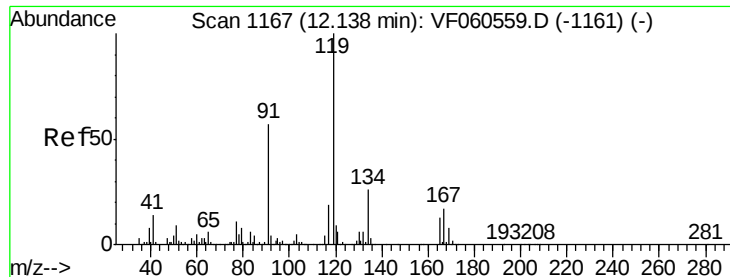
Delta R.T. -0.01 min

Lab File: VF060648.D

Acq: 8 Nov 2018 14:00

Tgt Ion:	91	Resp:	257104
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.9	47.7





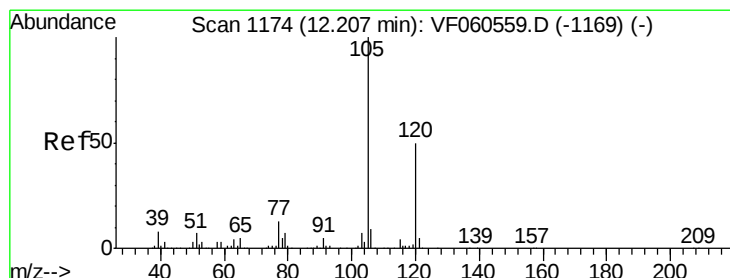
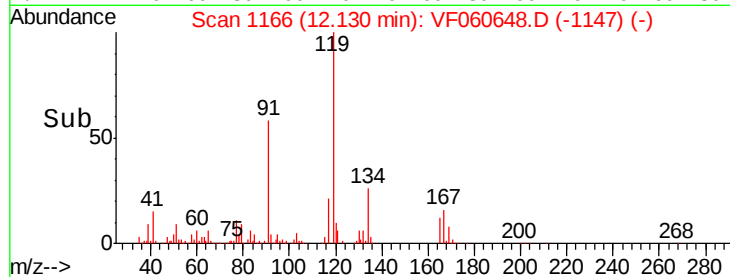
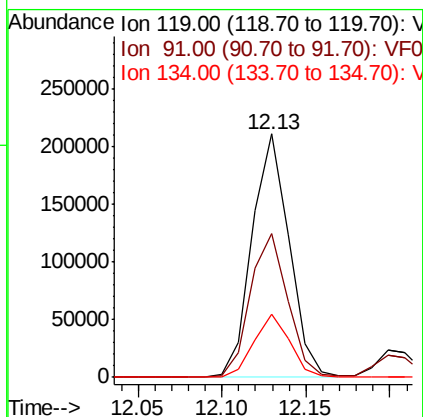
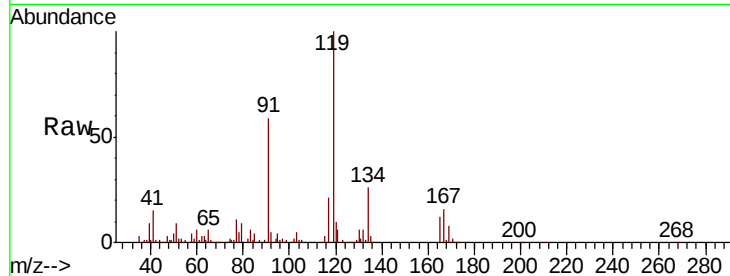
#83
 tert-Butylbenzene
 Concen: 23.541 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	28.8	86.4
134	25.8	13.2	39.6

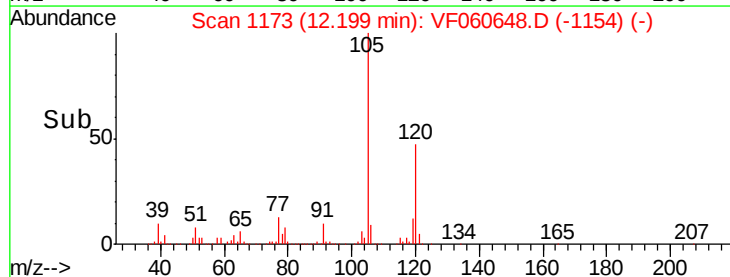
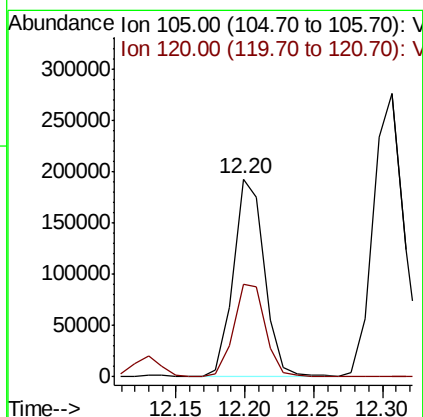
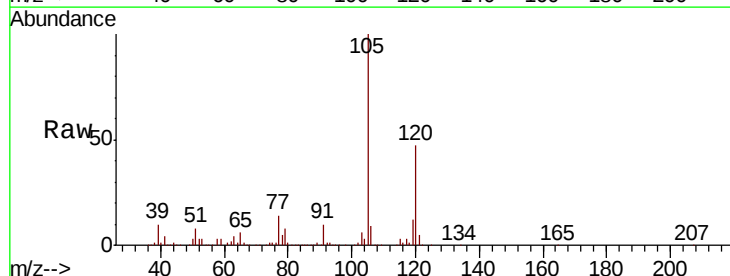
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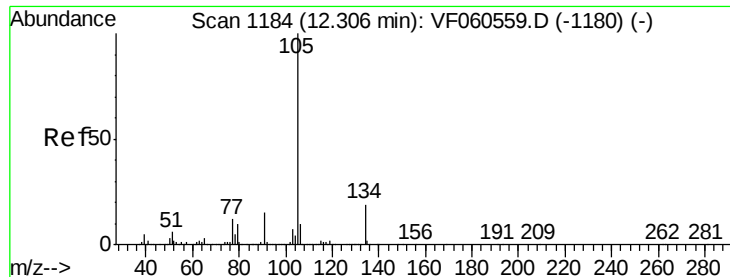
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.207 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	25.6	76.8





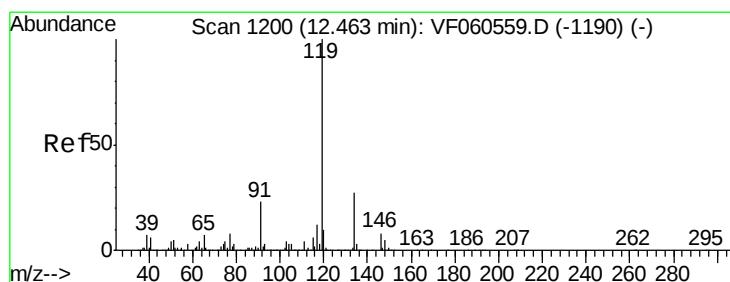
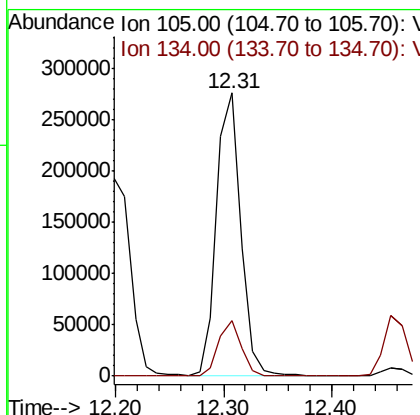
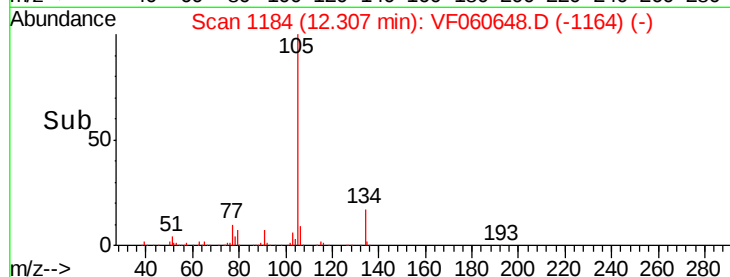
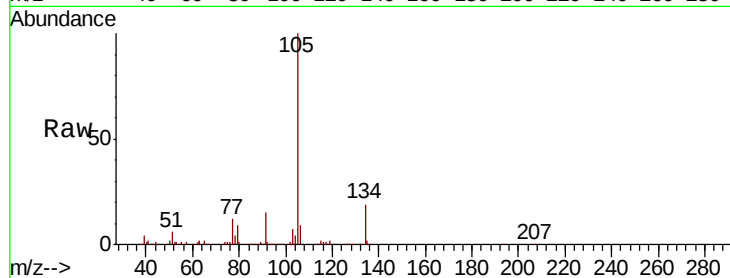
#85
 sec-Butylbenzene
 Concen: 22.724 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

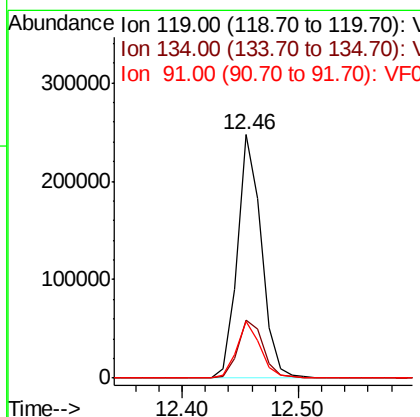
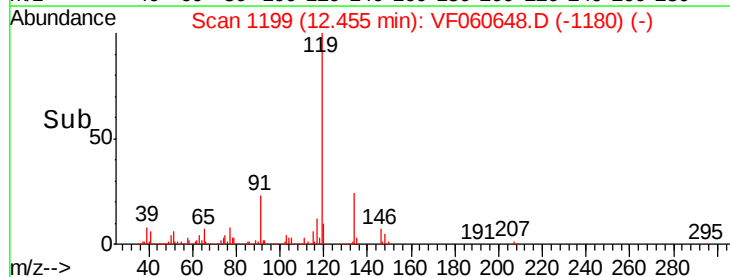
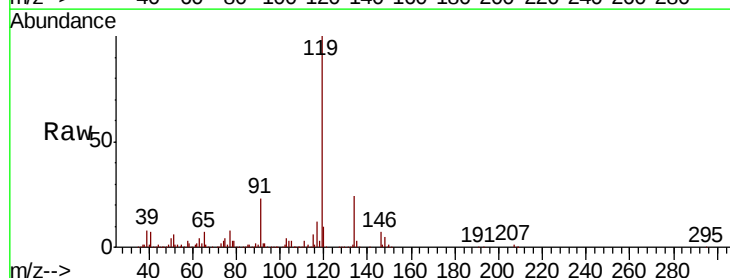
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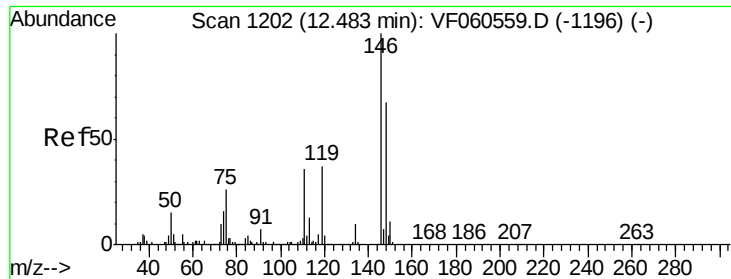
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#86
 p-Isopropyltoluene
 Concen: 22.619 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.8	13.6	40.7
91	23.2	11.4	34.2





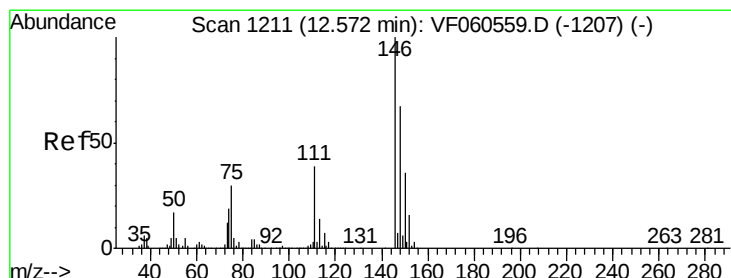
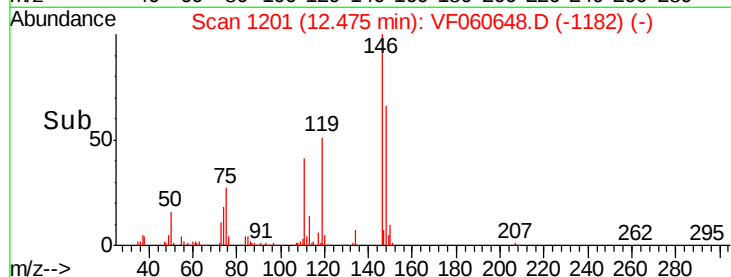
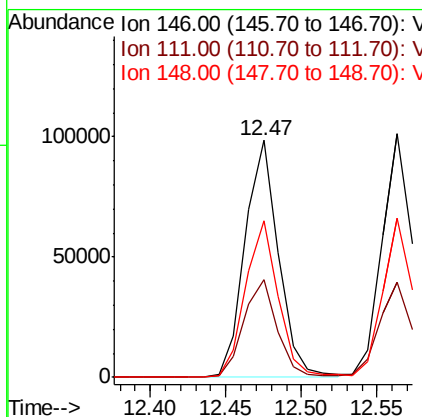
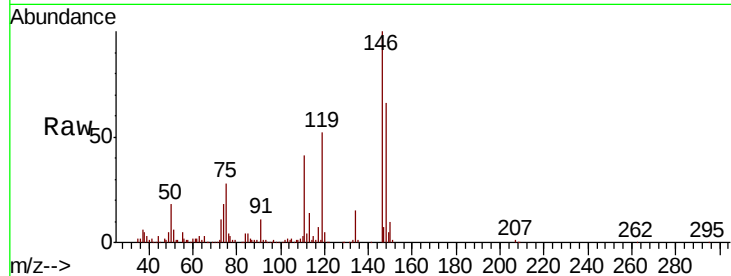
#87
 1,3-Dichlorobenzene
 Concen: 21.750 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.3	54.8
148	66.4	33.5	100.4

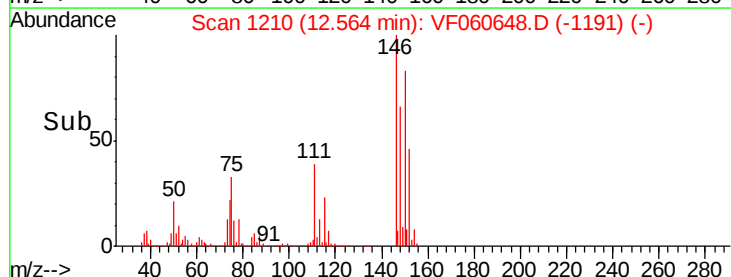
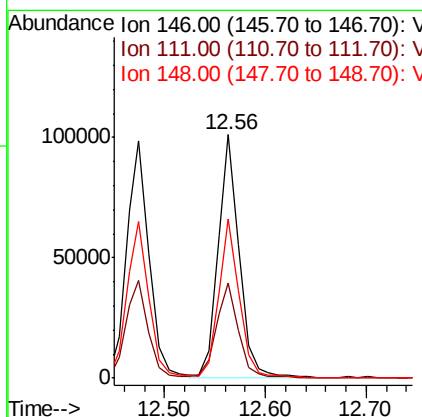
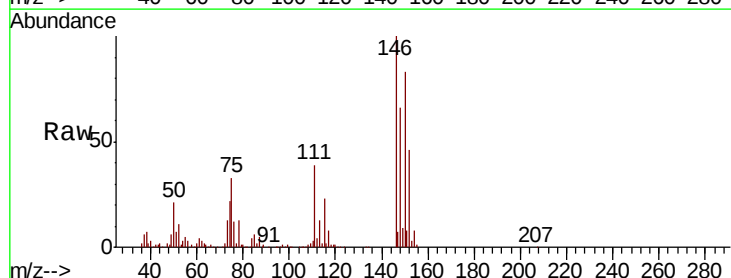
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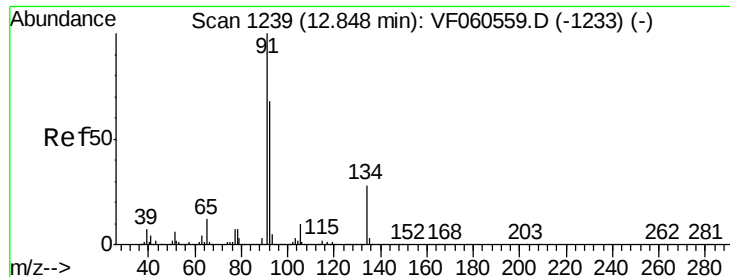
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#88
 1,4-Dichlorobenzene
 Concen: 22.276 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	65.6	33.7	101.1





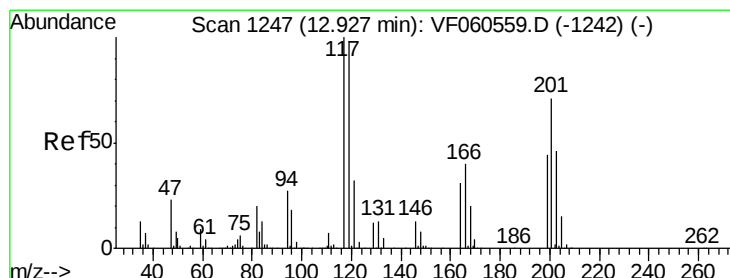
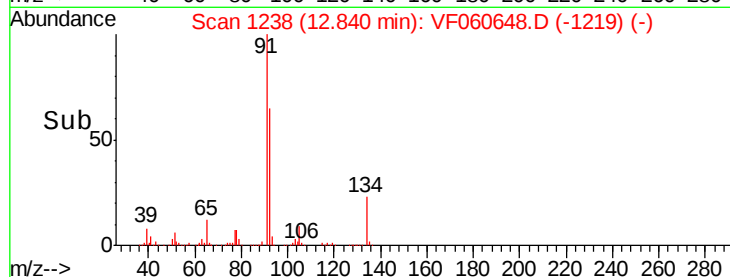
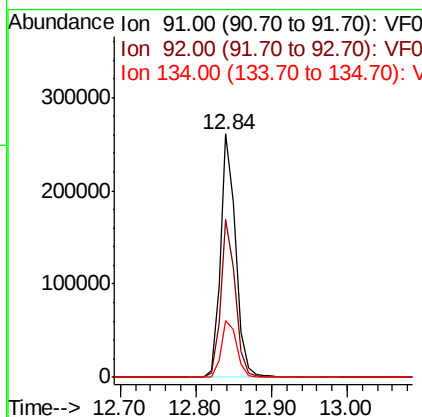
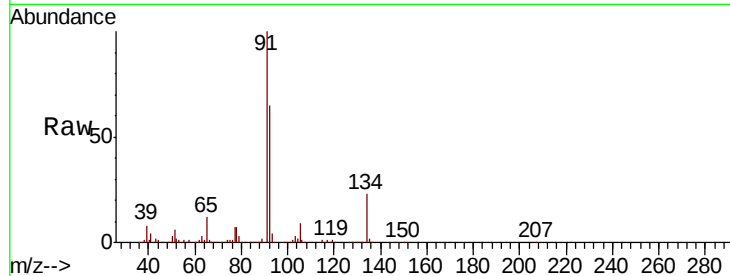
#89
n-Butylbenzene
Concen: 21.653 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.8	34.1	102.2
134	23.1	13.9	41.6

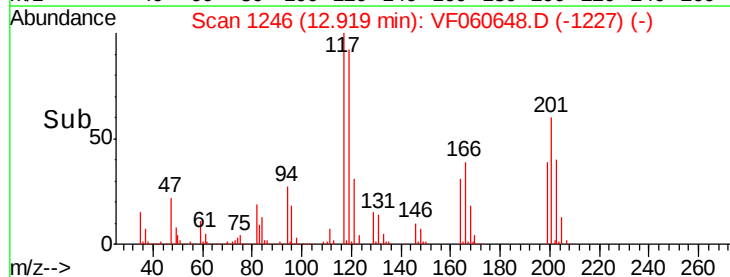
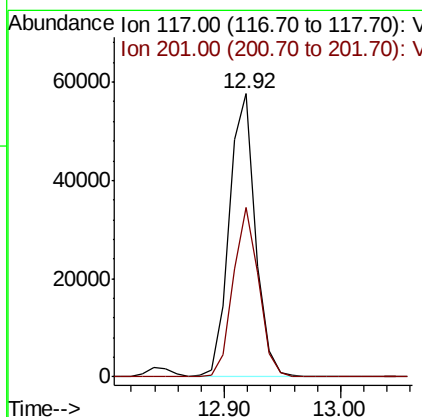
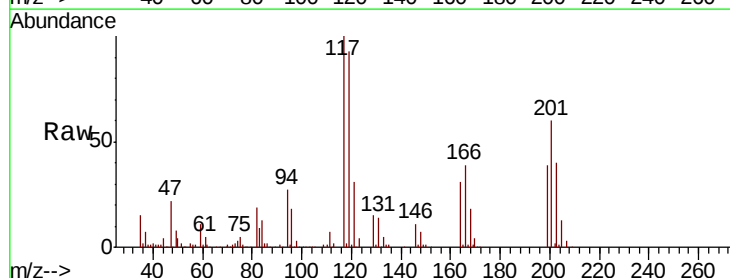
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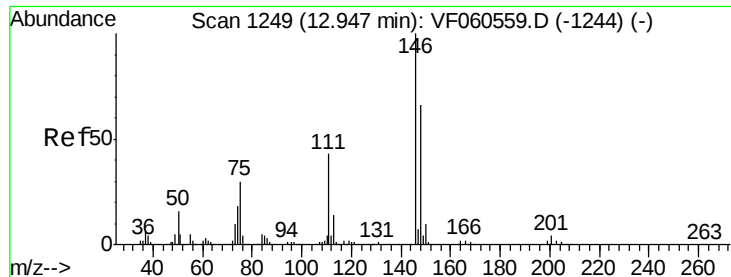
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#90
Hexachloroethane
Concen: 22.594 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.8	35.2	105.6





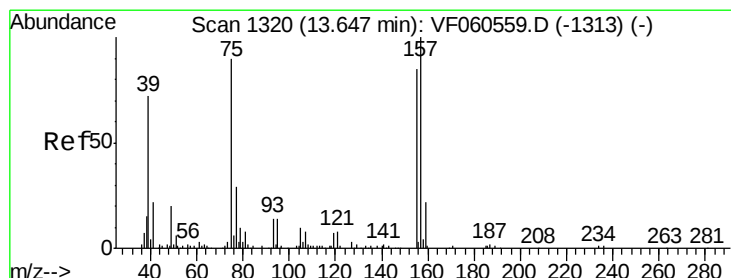
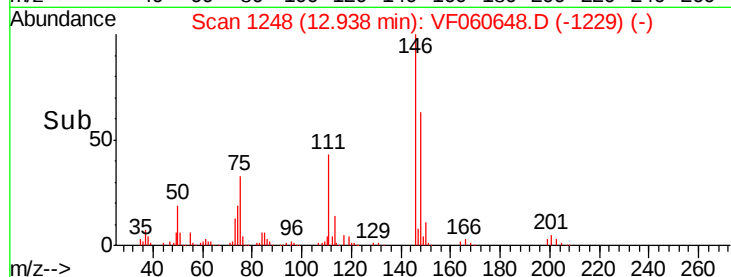
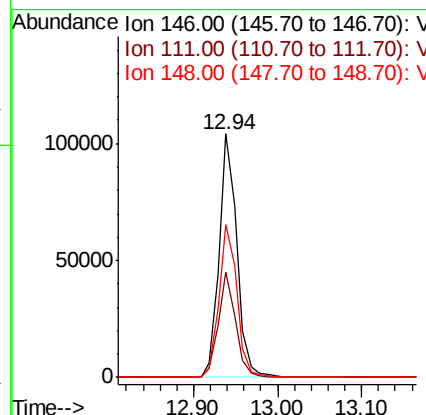
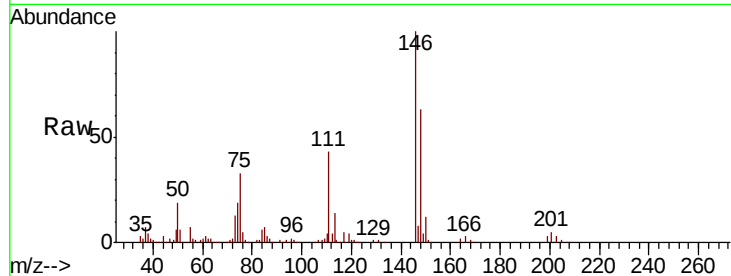
#91
 1,2-Dichlorobenzene
 Concen: 23.236 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	62.7	32.9	98.7

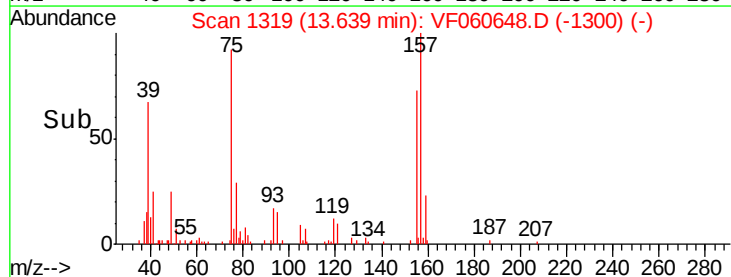
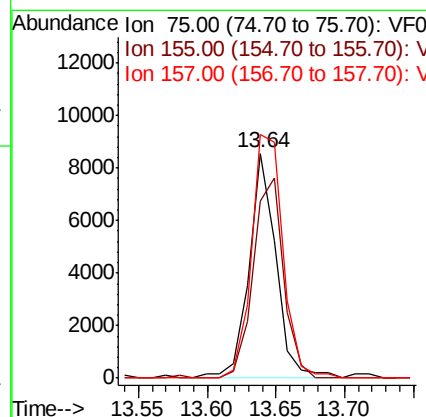
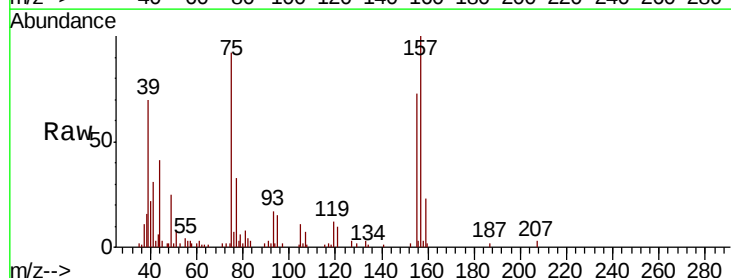
Manual Integrations
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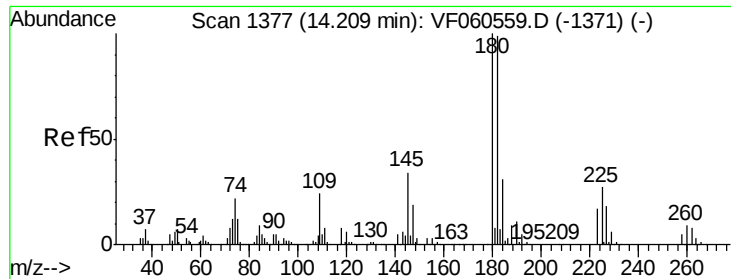
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.843 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	47.3	141.8
157	108.3	55.3	165.9





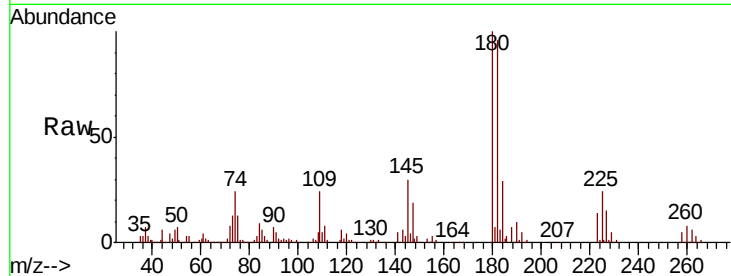
#93
 1,2,4-Trichlorobenzene
 Concen: 23.807 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106352		
182	96.3	49.7	149.1	
145	30.5	16.9	50.7	

Manual Integrations
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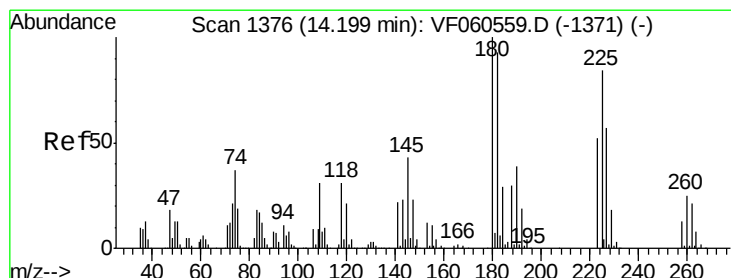
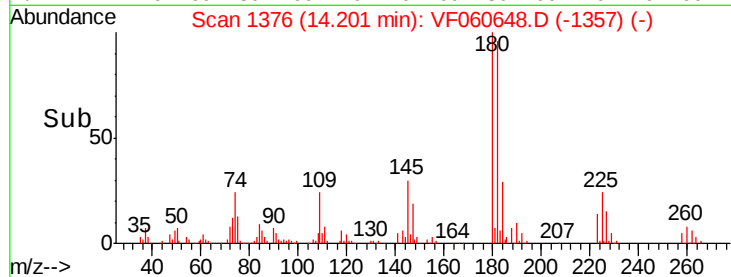
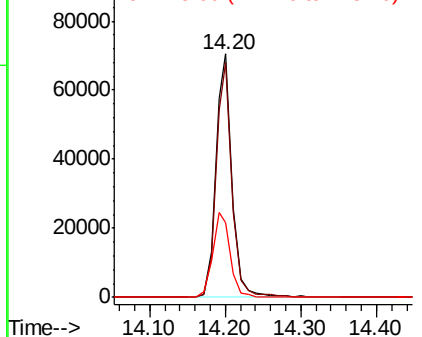


Abundance

Ion 180.00 (179.70 to 180.70): V

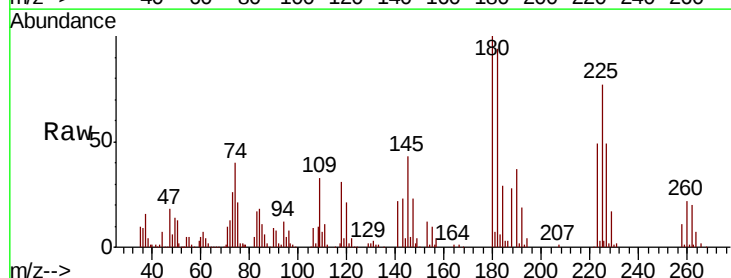
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.833 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060648.D
 Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63202		
223	63.5	30.9	92.5	
227	64.0	33.9	101.6	

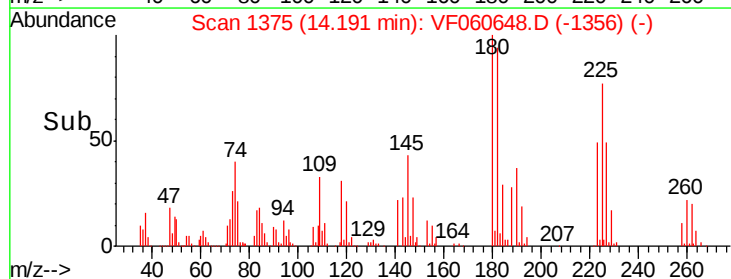
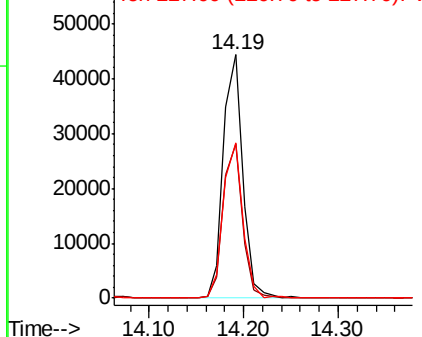


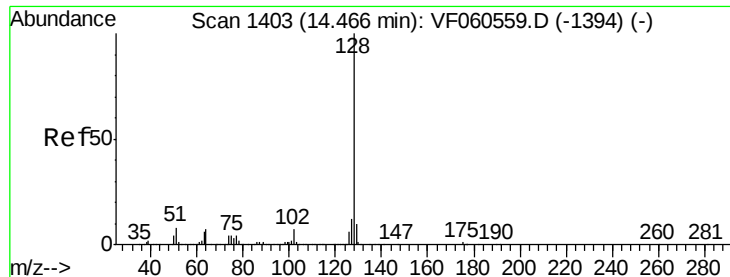
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





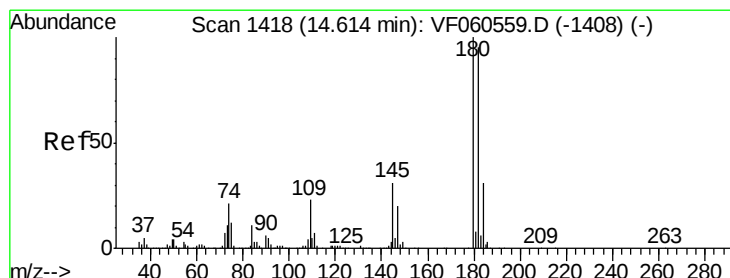
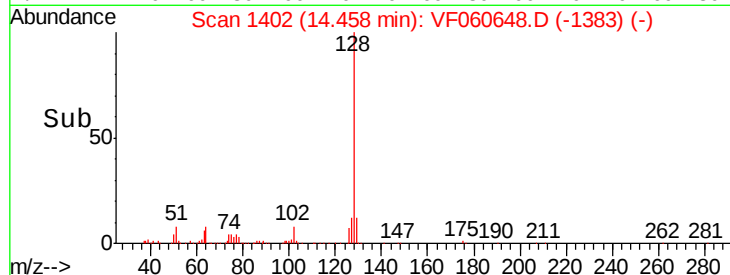
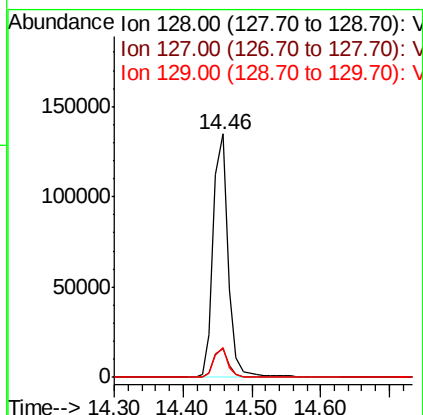
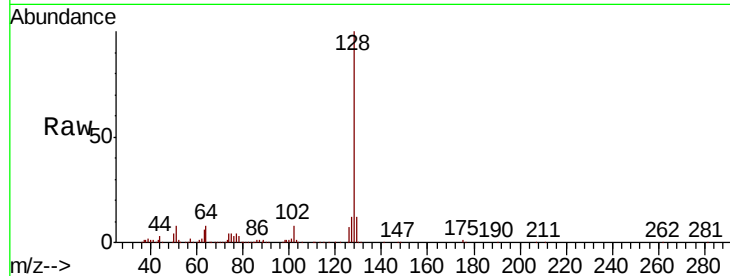
#95
Naphthalene
Concen: 22.834 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	204164		
127	11.6		9.4	14.0
129	12.2		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 23.288 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF060648.D
Acq: 8 Nov 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98274		
182	94.1		47.3	142.0
145	37.2		15.6	46.8

