

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061210.D
 Acq On : 27 Dec 2018 16:11
 Operator : VA/AP
 Sample : J6378-19MSD
 Misc : 5.01µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 9:38:34 AM

Quant Time: Dec 28 04:16:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	157215	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	279203	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	236707	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	89265	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	114220	56.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	4.10	113	119111	53.26	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	7.53	98	296839	46.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.66%	
62) 4-Bromofluorobenzene	11.40	95	123624	42.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	84.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	192463	55.071	ug/l	99
3) Chloromethane	1.09	50	116704	58.297	ug/l	98
4) Vinyl Chloride	1.13	62	111066	59.808	ug/l	91
5) Bromomethane	1.32	94	62599	48.600	ug/l	95
6) Chloroethane	1.38	64	50284	58.764	ug/l	88
7) Trichlorofluoromethane	1.48	101	213078	60.093	ug/l	99
8) Diethyl Ether	1.62	74	33138	68.247	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	95828	52.124	ug/l	95
10) Methyl Iodide	1.89	142	143749	49.603	ug/l	93
11) Tert butyl alcohol	2.56	59	29807	365.290	ug/l	98
12) 1,1-Dichloroethene	1.78	96	78975	56.987	ug/l	89
13) Acrolein	1.99	56	7322m	124.181	ug/l	
14) Allyl chloride	2.09	41	97426	67.554	ug/l	98
15) Acrylonitrile	2.93	53	58794	311.595	ug/l	95
16) Acetone	2.22	43	124004	306.765	ug/l	99
17) Carbon Disulfide	1.82	76	221115	52.796	ug/l	97
18) Methyl Acetate	2.33	43	118214	141.350	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	192737	62.656	ug/l	99
20) Methylene Chloride	2.22	84	78600m	61.919	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	79316	53.511	ug/l	96
22) Diisopropyl ether	2.79	45	298147	62.062	ug/l #	88
23) Vinyl Acetate	3.17	43	80638	36.386	ug/l	100
24) 1,1-Dichloroethane	2.86	63	173050	60.797	ug/l	98
25) 2-Butanone	4.31	43	199608	304.473	ug/l	97
26) 2,2-Dichloropropane	3.58	77	96859	59.297	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	123622	54.478	ug/l	96
28) Bromochloromethane	3.69	49	83336	57.703	ug/l	98
29) Tetrahydrofuran	4.06	42	84850	317.992	ug/l	99
30) Chloroform	3.84	83	246321	57.715	ug/l	94
31) Cyclohexane	3.67	56	139653	47.283	ug/l	94
32) 1,1,1-Trichloroethane	4.07	97	162935	63.694	ug/l	96
36) 1,1-Dichloropropene	4.26	75	168896	50.115	ug/l	97
37) Ethyl Acetate	4.08	43	58336	43.508	ug/l #	6
38) Carbon Tetrachloride	3.97	117	140936	54.913	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	129443	42.812	ug/l	98
40) Benzene	4.61	78	372368	51.378	ug/l	94
41) Methacrylonitrile	4.72	41	38120	53.558	ug/l	95
42) 1,2-Dichloroethane	4.93	62	156020	56.668	ug/l	99
43) Isopropyl Acetate	6.94	43	51003	31.342	ug/l	95
44) Trichloroethene	5.48	130	118246	51.749	ug/l	97
45) 1,2-Dichloropropane	6.22	63	106216	53.867	ug/l	96
46) Dibromomethane	6.06	93	72980	57.065	ug/l	91
47) Bromodichloromethane	6.37	83	179875	54.132	ug/l	98
48) Methyl methacrylate	6.70	41	76940	67.728	ug/l	97
49) 1,4-Dioxane	6.68	88	10089	1223.956	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	339055	303.804	ug/l	100
52) Toluene	7.60	92	241906	50.423	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	140992	52.597	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	175113	52.049	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	80789	56.173	ug/l	96
56) Ethyl methacrylate	8.60	69	63788	40.988	ug/l	93
57) 1,3-Dichloropropane	8.83	76	152853	58.762	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	61656	206.281	ug/l	96
59) 2-Hexanone	9.47	43	249452	309.077	ug/l	100
60) Dibromochloromethane	8.70	129	114216	55.400	ug/l	99
61) 1,2-Dibromoethane	8.96	107	82387	53.637	ug/l	95
64) Tetrachloroethene	8.13	164	86453	47.479	ug/l	97
65) Chlorobenzene	9.78	112	260450	53.261	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	113544	56.819	ug/l	94
67) Ethyl Benzene	9.88	91	468719	52.613	ug/l	99
68) m/p-Xylenes	10.11	106	297351	94.843	ug/l	97
69) o-Xylene	10.70	106	177828	51.142	ug/l	93
70) Styrene	10.77	104	228384	54.324	ug/l	97
71) Bromoform	10.76	173	52464	56.746	ug/l	98
73) Isopropylbenzene	11.11	105	464765	60.418	ug/l	100
74) N-amyl acetate	11.36	43	48420	28.351	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	105594	82.709	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	76322	80.330	ug/l	96
77) Bromobenzene	11.48	156	106725	64.451	ug/l	98
78) n-propylbenzene	11.58	91	510455	60.174	ug/l	99
79) 2-Chlorotoluene	11.70	91	309170	58.588	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	357369	56.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	31783m	77.848	ug/l	
82) 4-Chlorotoluene	11.88	91	302466	55.408	ug/l	99
83) tert-Butylbenzene	12.12	119	348958	53.538	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	358921	56.823	ug/l	96
85) sec-Butylbenzene	12.29	105	399403	46.955	ug/l	97
86) p-Isopropyltoluene	12.44	119	345885	48.989	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	164554	62.205	ug/l	100
88) 1,4-Dichlorobenzene	12.55	146	163619	53.810	ug/l	99
89) n-Butylbenzene	12.83	91	314592	42.638	ug/l	95
90) Hexachloroethane	12.90	117	82569	47.334	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	165206	55.806	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18486	78.907	ug/l	90

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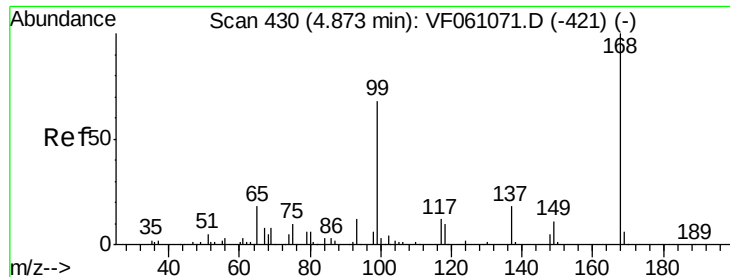
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	78594	37.435	ug/l	97
94) Hexachlorobutadiene	14.18	225	32270	24.133	ug/l	97
95) Naphthalene	14.44	128	201255	52.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	63868	32.907	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:168 Resp: 157215

Ion Ratio Lower Upper

168 100

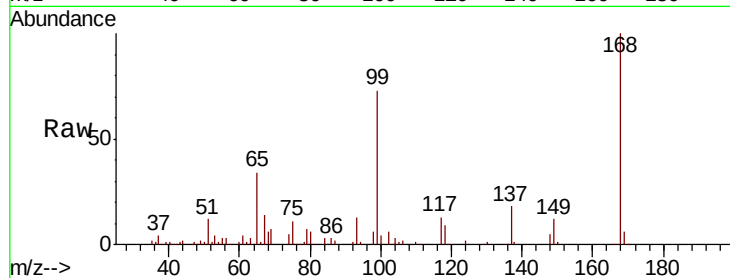
99 72.7 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

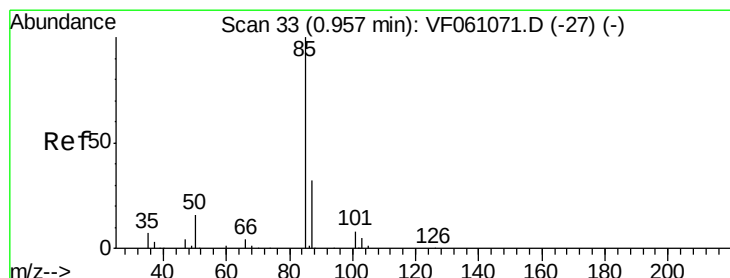
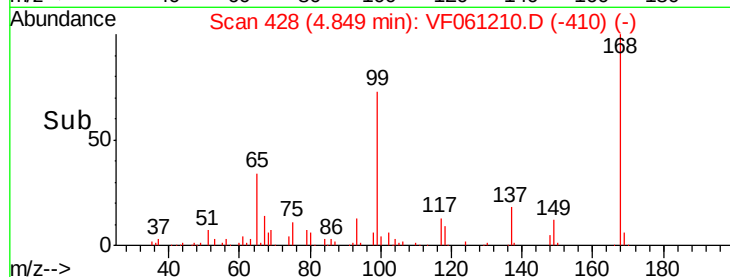
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 55.071 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061210.D

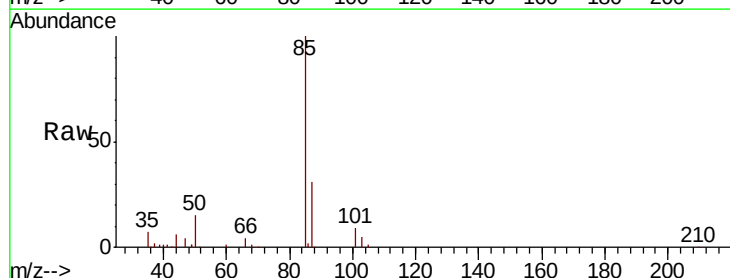
Acq: 27 Dec 2018 16:11

Tgt Ion: 85 Resp: 192463

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

30000

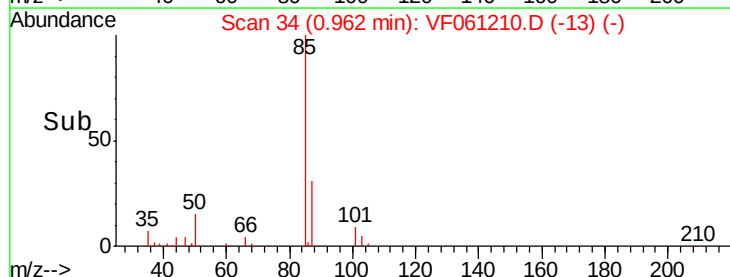
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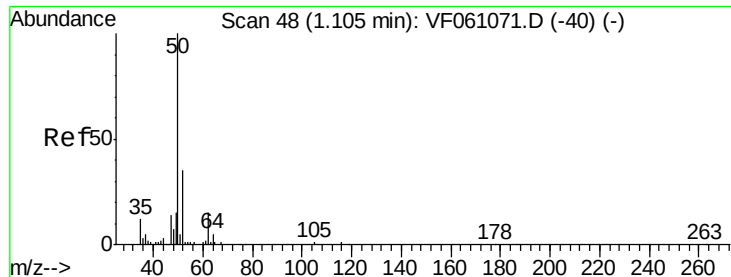
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Time-->

0.80 0.90 1.00 1.10





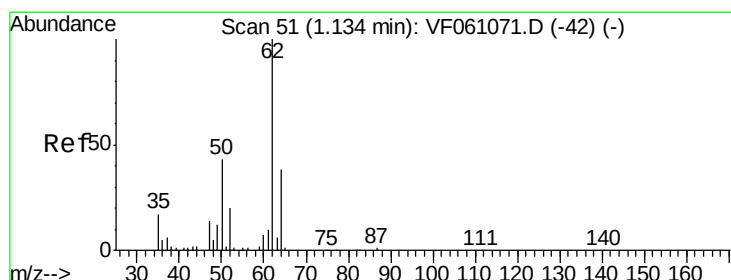
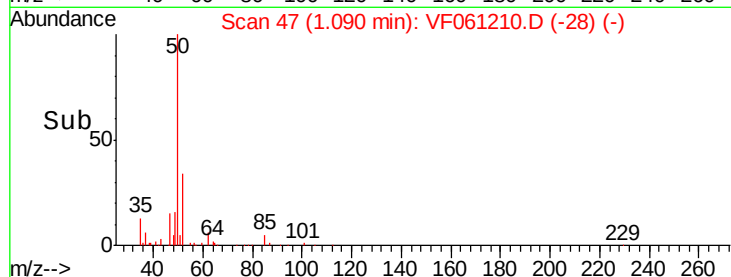
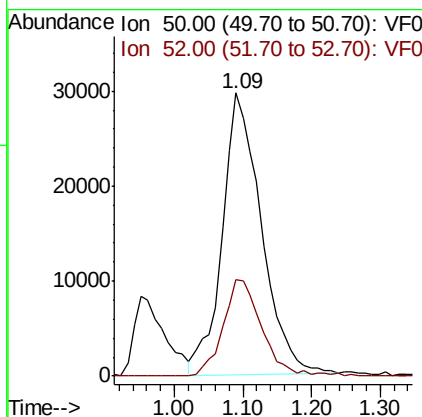
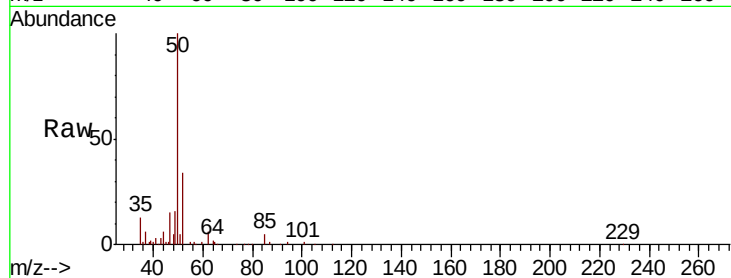
#3
Chloromethane
Concen: 58.297 ug/l
RT: 1.09 min Scan# 47
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion: 50 Resp: 116704
Ion Ratio Lower Upper
50 100
52 34.2 26.3 39.5

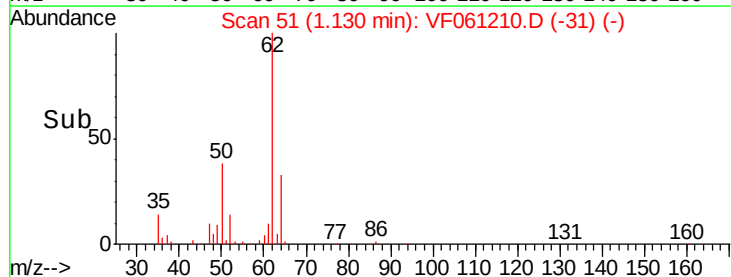
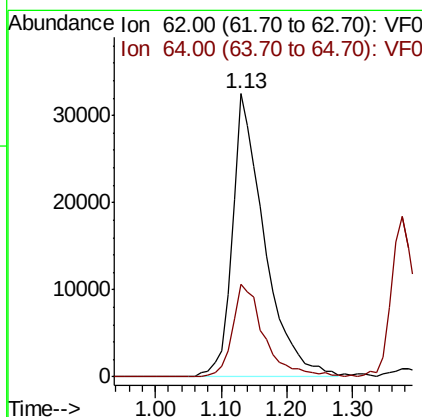
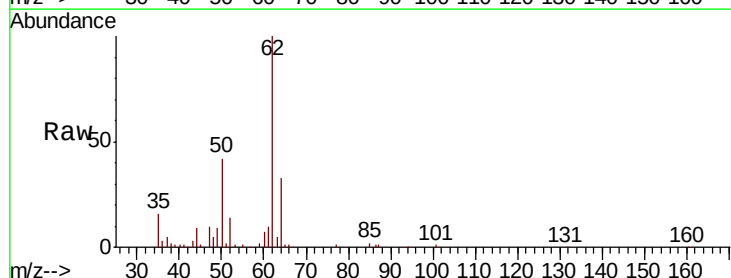
Manual Integrations
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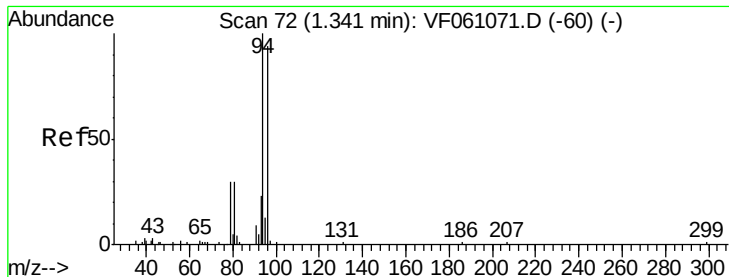
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#4
Vinyl Chloride
Concen: 59.808 ug/l
RT: 1.13 min Scan# 51
Delta R.T. -0.00 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 62 Resp: 111066
Ion Ratio Lower Upper
62 100
64 32.7 30.4 45.6





#5

Bromomethane

Concen: 48.600 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 94 Resp: 62599

Ion Ratio Lower Upper

94 100

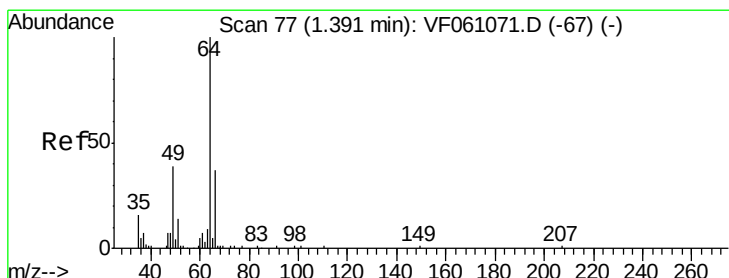
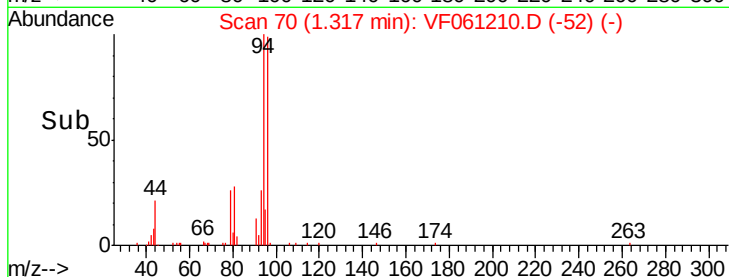
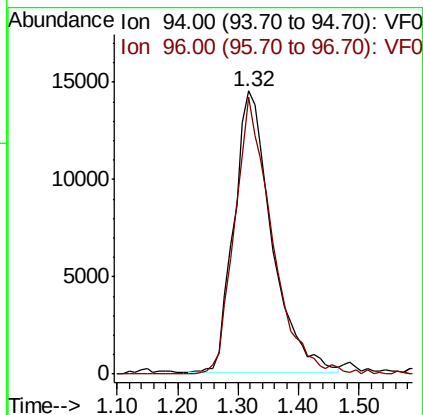
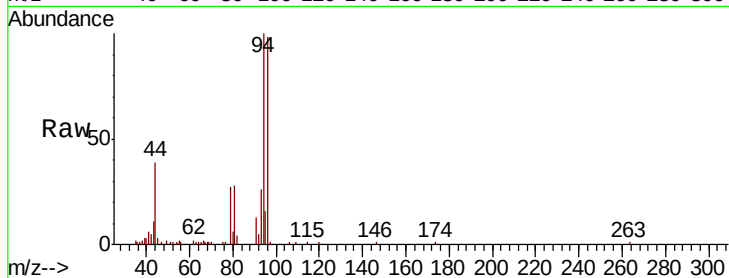
96 97.8 74.4 111.6

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#6

Chloroethane

Concen: 58.764 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061210.D

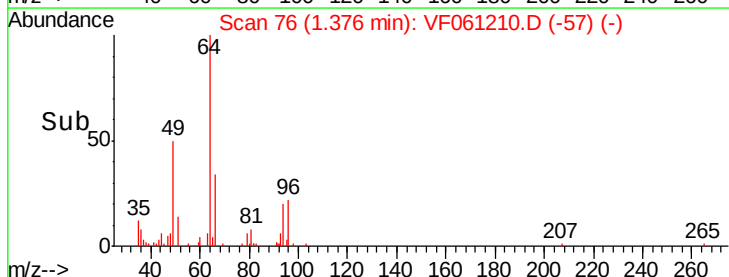
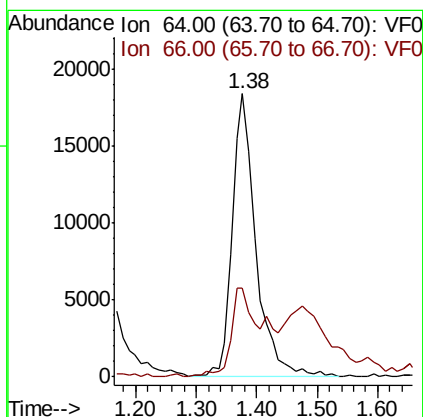
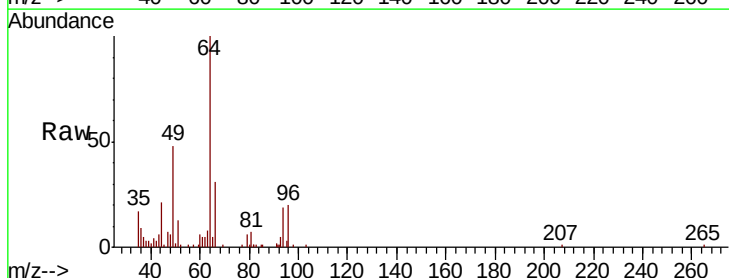
Acq: 27 Dec 2018 16:11

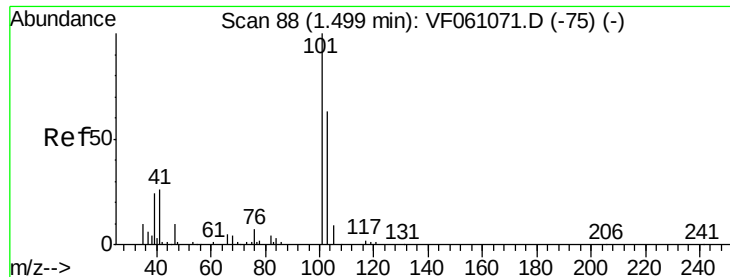
Tgt Ion: 64 Resp: 50284

Ion Ratio Lower Upper

64 100

66 31.3 30.9 46.3





#7

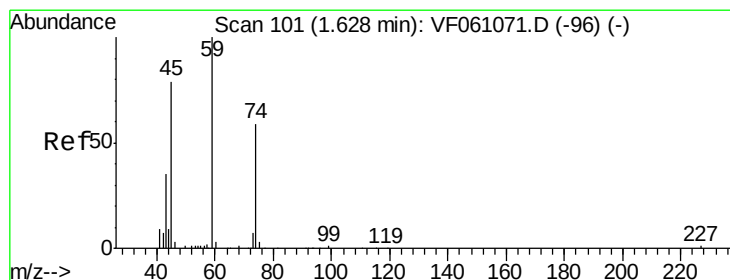
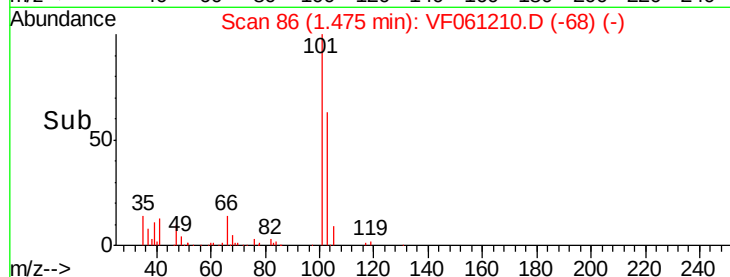
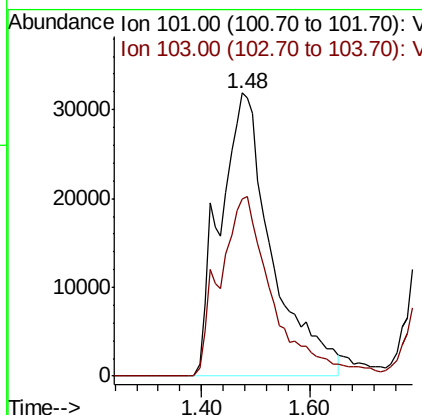
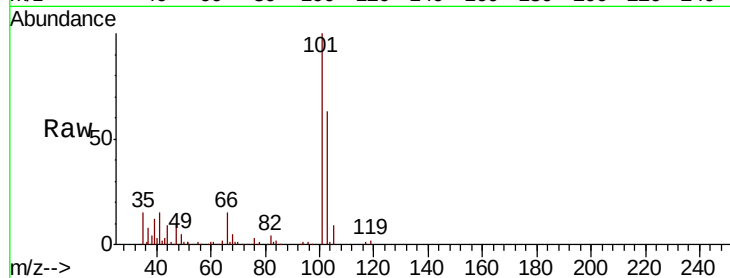
Trichlorofluoromethane
Concen: 60.093 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

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P001-SS001-0612-01MSD

Tot Ion:101 Resp: 213078
Ion Ratio Lower Upper
101 100
103 62.8 50.7 76.1

Manual Integrations
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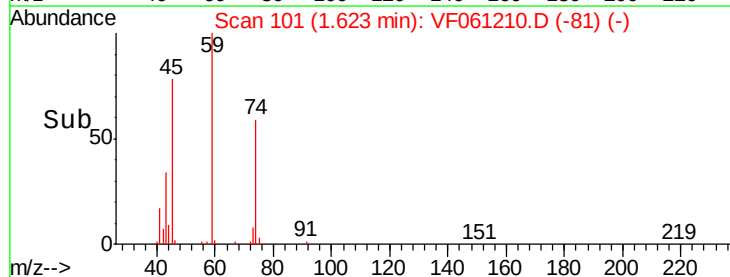
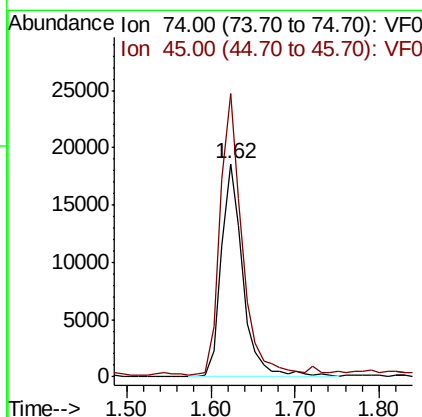
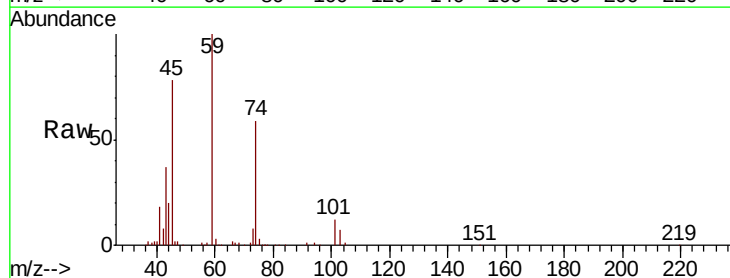
MMDadoda
12/28/2018 9:38:34 AM

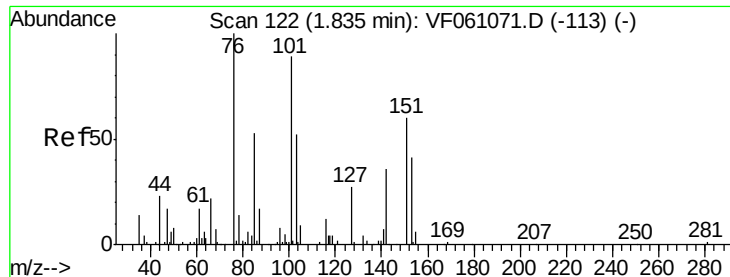


#8

Diethyl Ether
Concen: 68.247 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 74 Resp: 33138
Ion Ratio Lower Upper
74 100
45 132.5 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.124 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

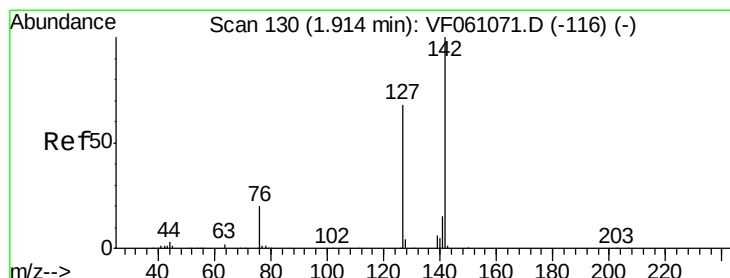
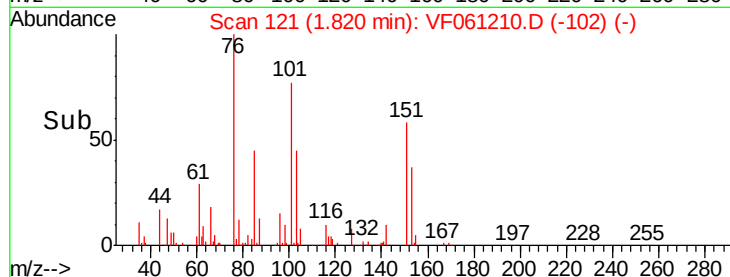
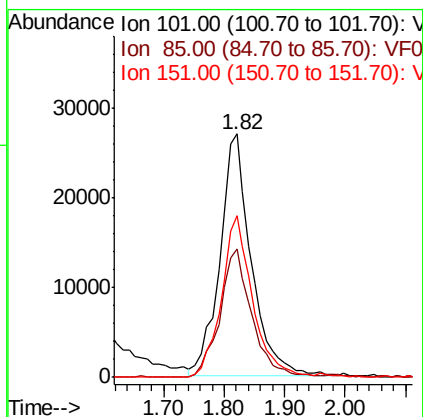
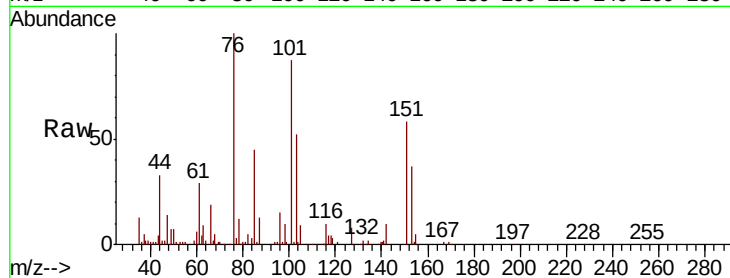
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:	101	Resp:	95828
Ion Ratio	Lower	Upper	
101	100		
85	52.6	44.5	66.7
151	66.5	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 49.603 ug/l

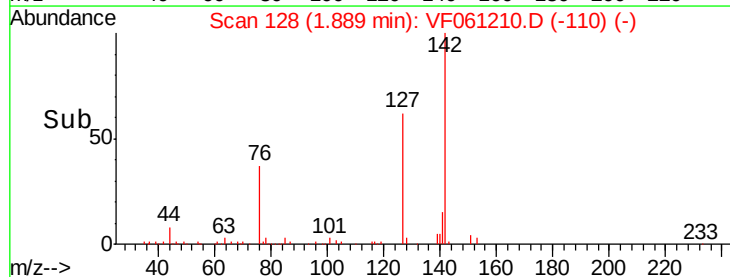
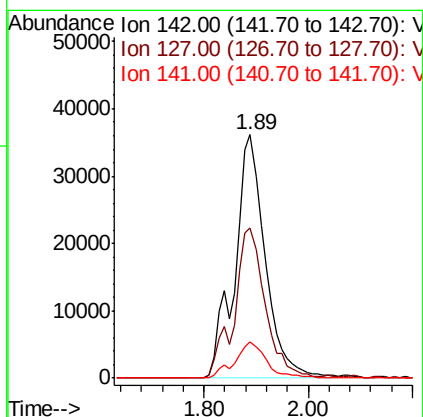
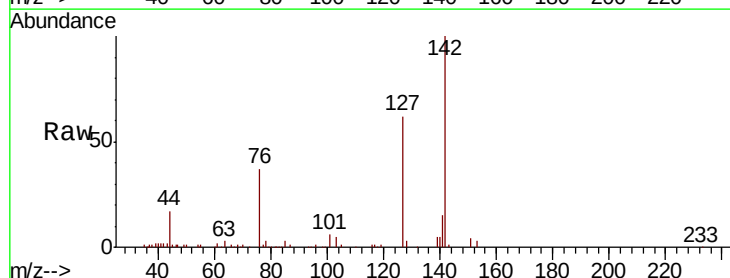
RT: 1.89 min Scan# 128

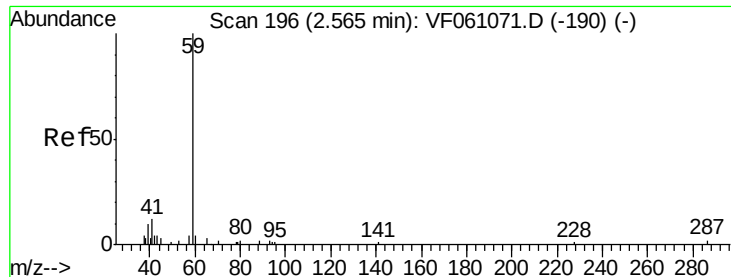
Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion:	142	Resp:	143749
Ion Ratio	Lower	Upper	
142	100		
127	61.8	54.7	82.1
141	14.7	12.2	18.2





#11

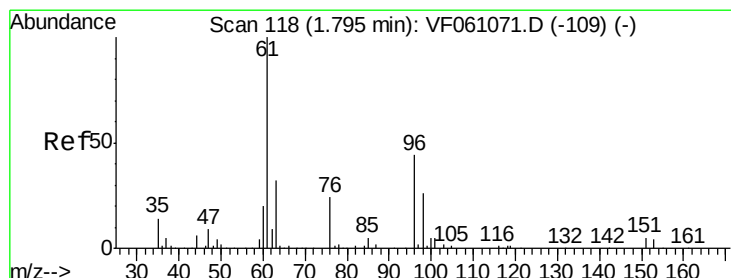
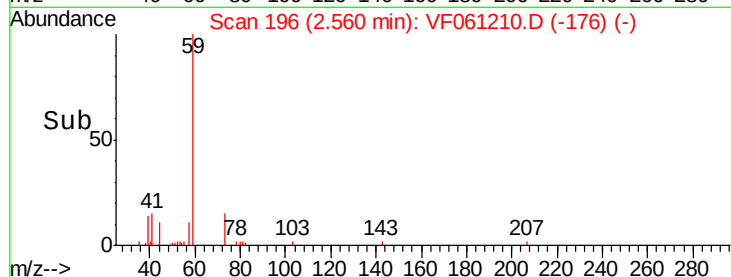
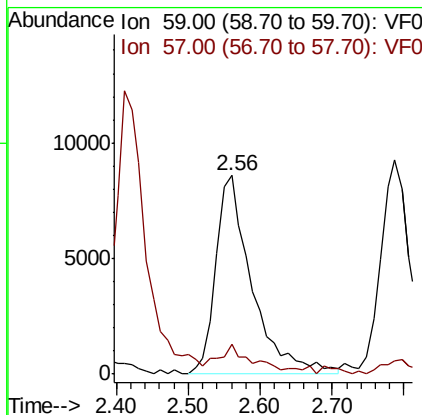
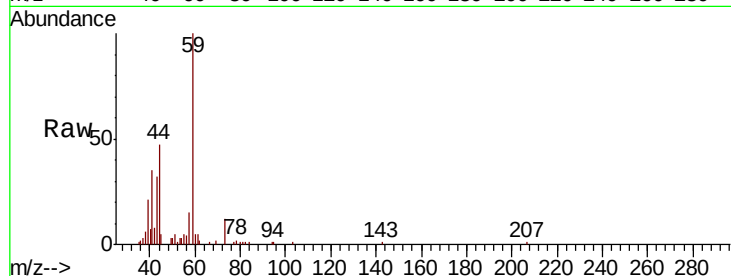
Tert butyl alcohol
Concen: 365.290 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.1	11.5	17.3

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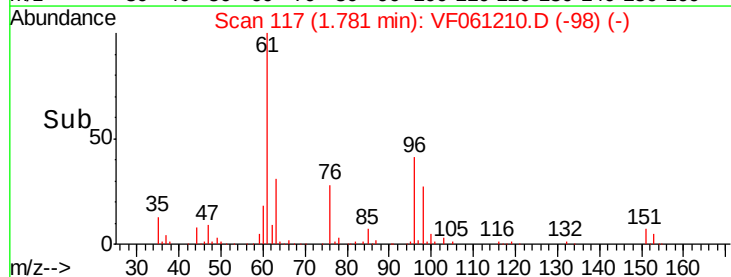
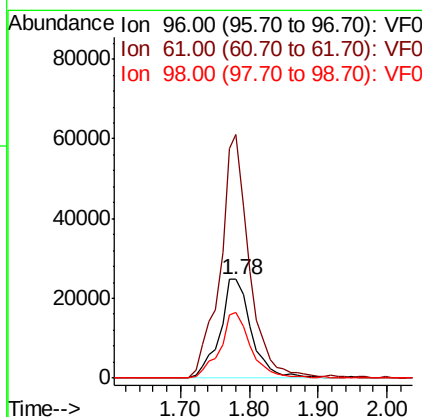
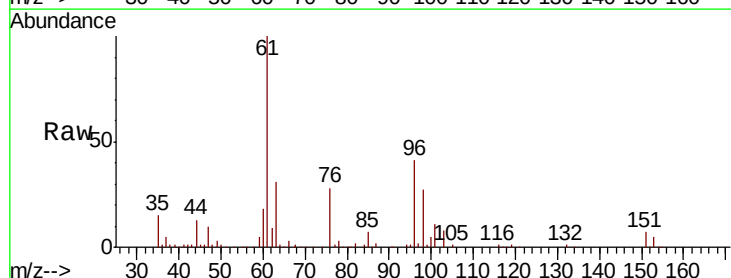
MMDadoda
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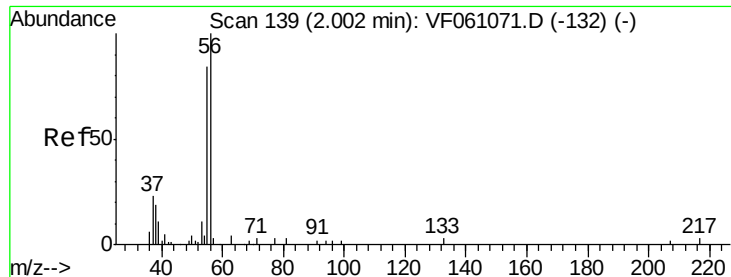


#12

1,1-Dichloroethene
Concen: 56.987 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	246.2	182.0	273.0
98	66.1	46.5	69.7





#13

Acrolein

Concen: 124.181 ug/l m

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 56 Resp: 7322

Ion Ratio Lower Upper

56 100

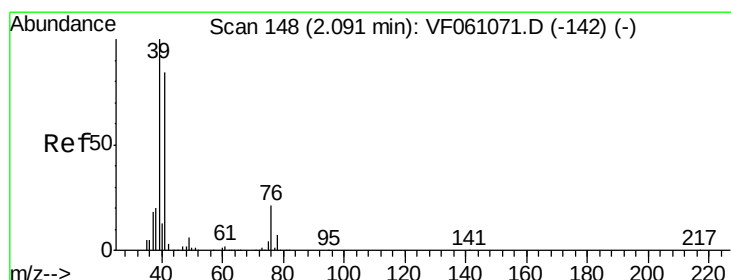
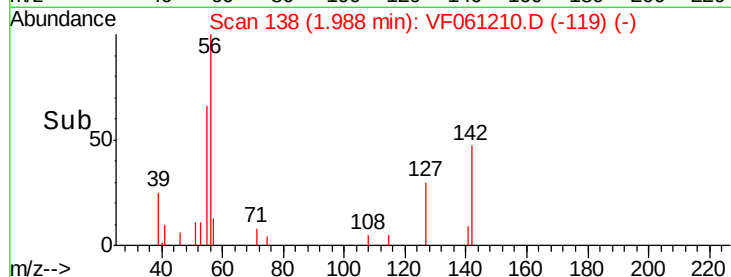
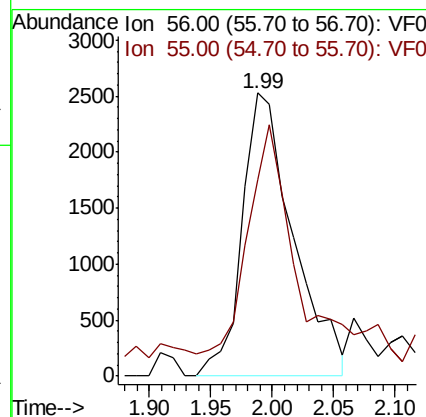
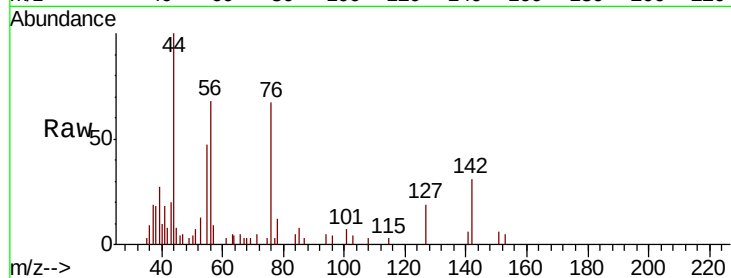
55 69.4 70.2 105.2#

Manual Integrations

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#14

Allyl chloride

Concen: 67.554 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

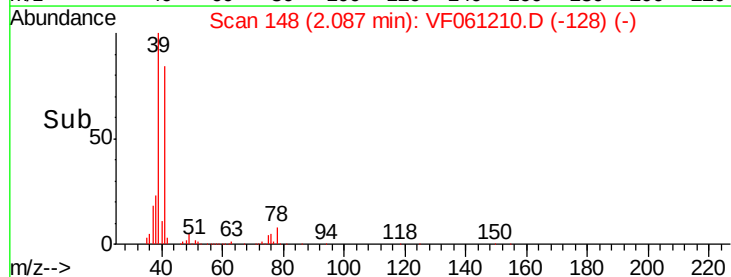
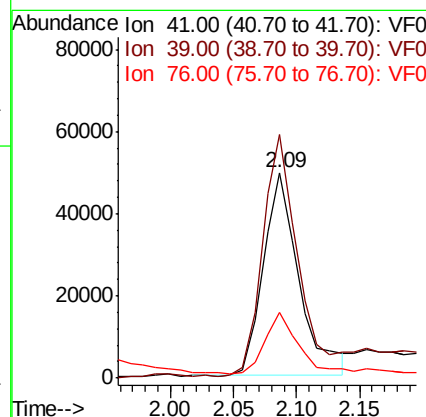
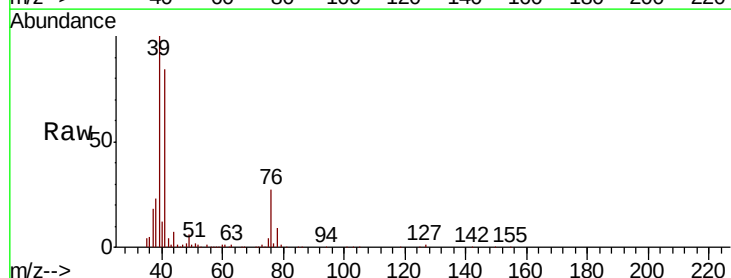
Tgt Ion: 41 Resp: 97426

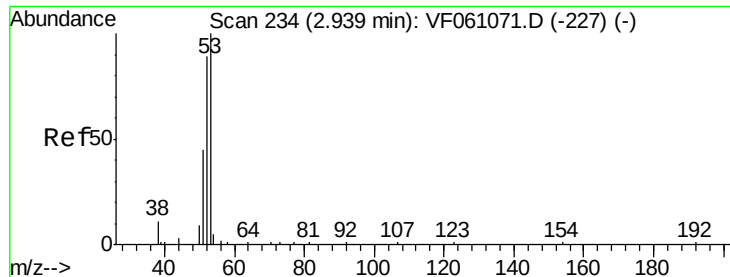
Ion Ratio Lower Upper

41 100

39 118.4 96.4 144.6

76 31.8 25.4 38.0





#15

Acrylonitrile

Concen: 311.595 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

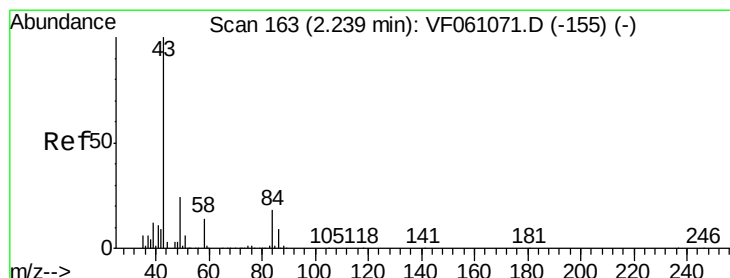
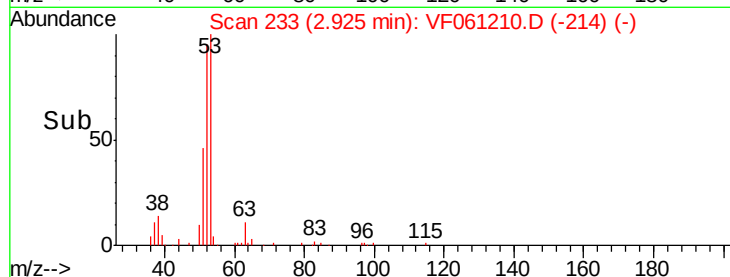
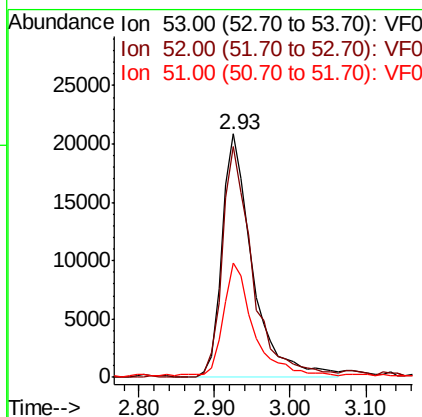
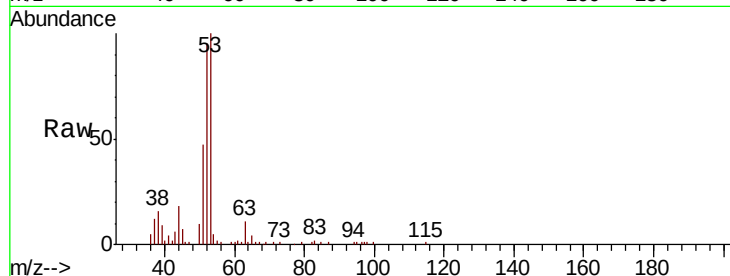
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:	53	Resp:	58794
Ion	Ratio	Lower	Upper
53	100		
52	94.8	71.3	106.9
51	46.9	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 306.765 ug/l

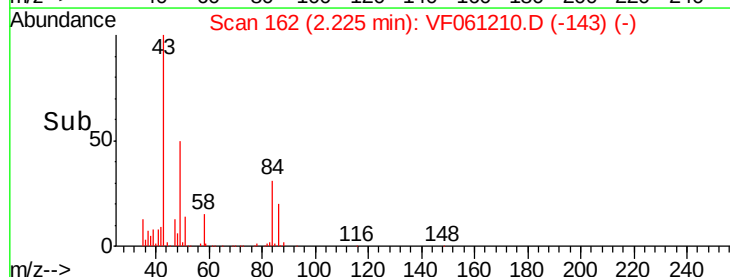
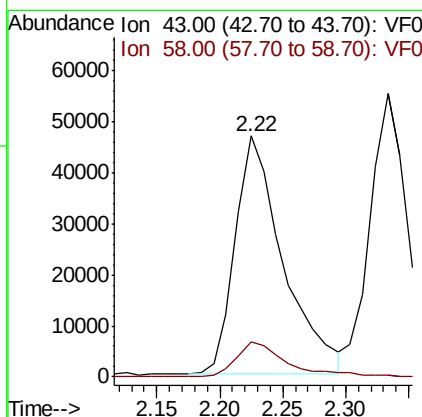
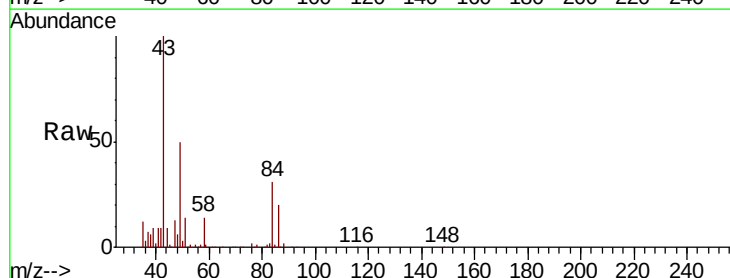
RT: 2.22 min Scan# 162

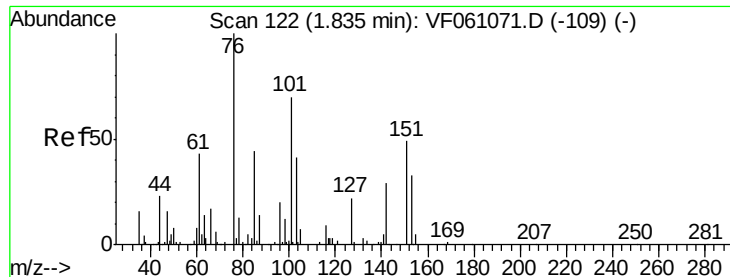
Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion:	43	Resp:	124004
Ion	Ratio	Lower	Upper
43	100		
58	14.4	11.1	16.7





#17

Carbon Disulfide

Concen: 52.796 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 76 Resp: 221115

Ion Ratio Lower Upper

76 100

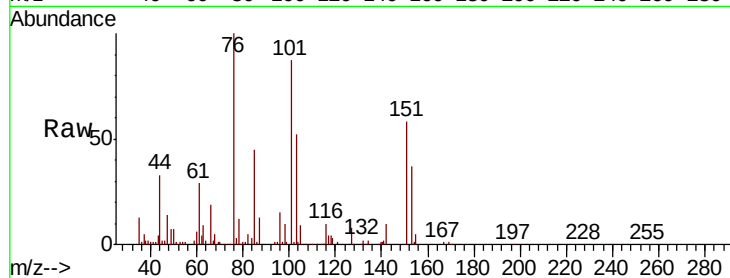
78 11.7 10.2 15.4

Manual Integrations

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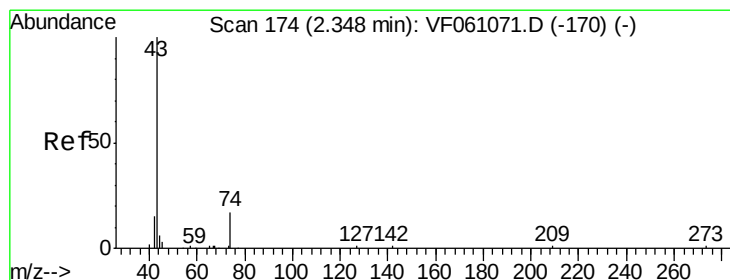
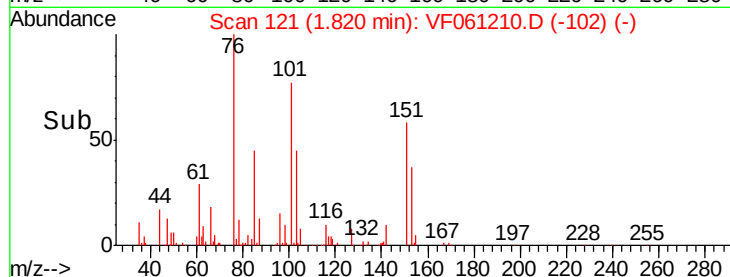
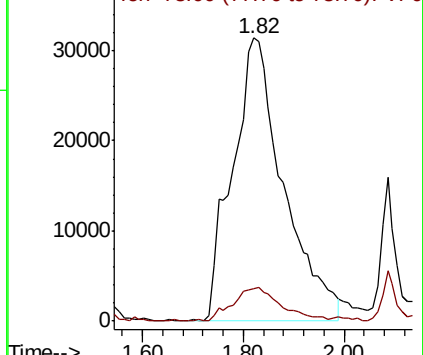
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 141.350 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF061210.D

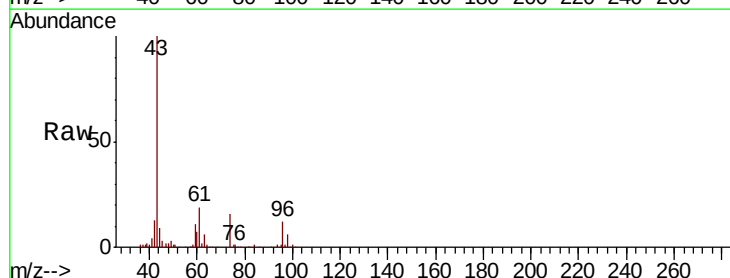
Acq: 27 Dec 2018 16:11

Tgt Ion: 43 Resp: 118214

Ion Ratio Lower Upper

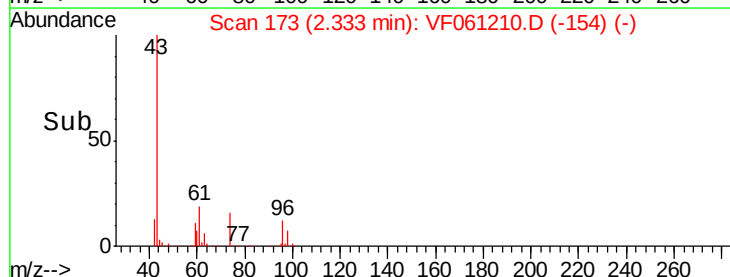
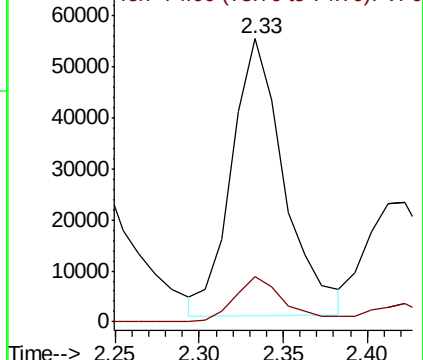
43 100

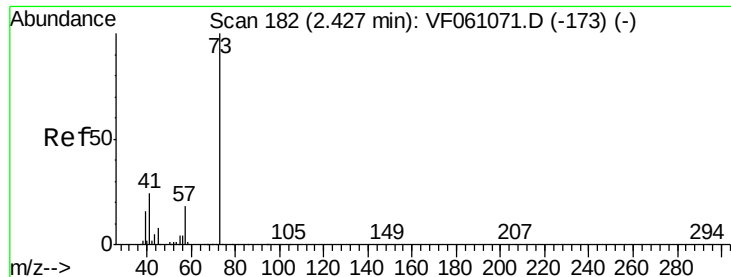
74 16.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

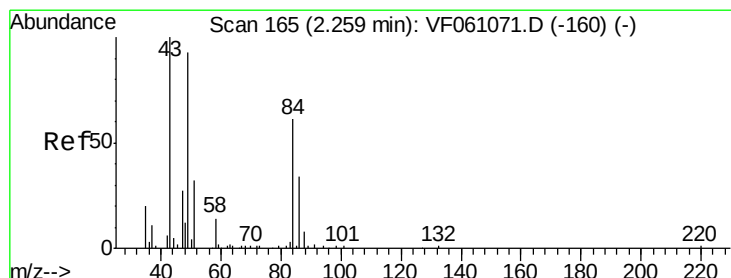
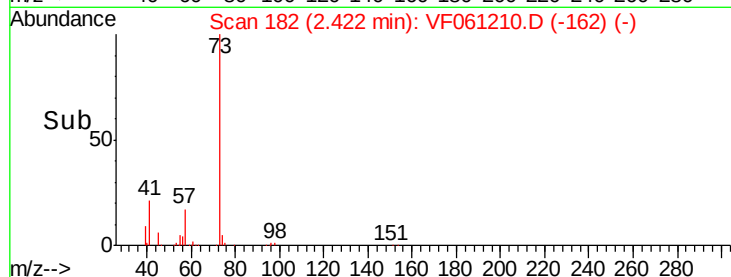
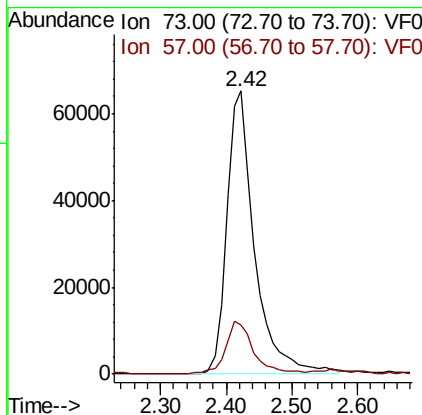
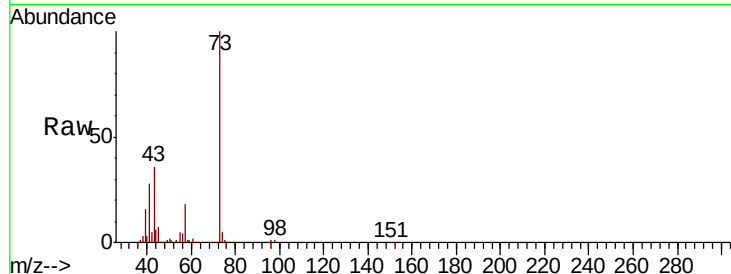
Methvl tert-butvl Ether
Concen: 62.656 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.5	21.7

Manual Integrations
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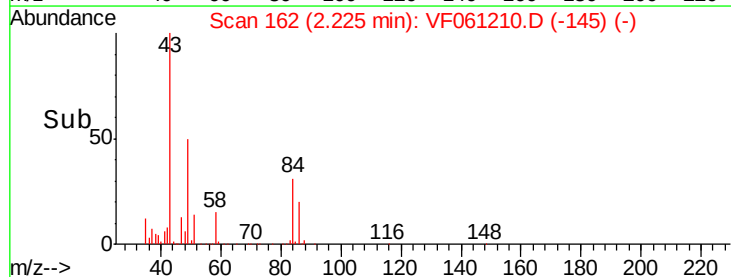
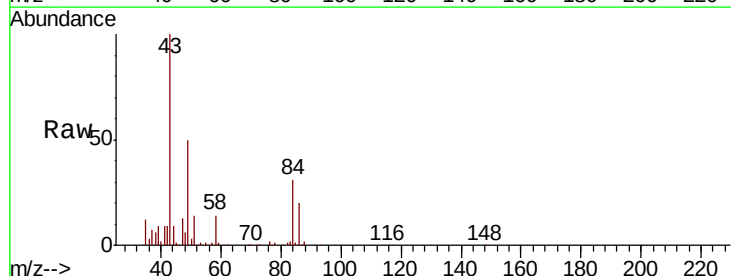
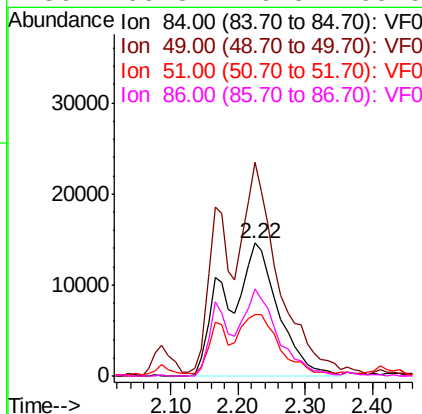
MMDadoda
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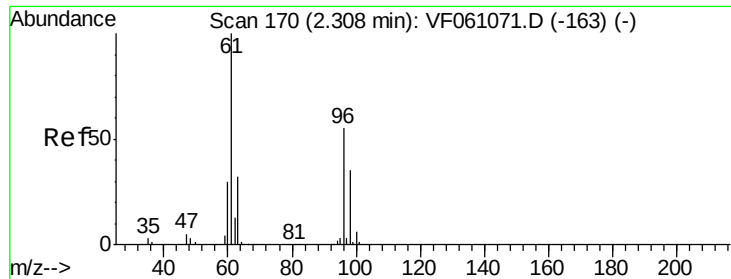


#20

Methylene Chloride
Concen: 61.919 ug/l m
RT: 2.22 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.8	129.4	194.2
51	46.7	44.0	66.0
86	65.3	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 53.511 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

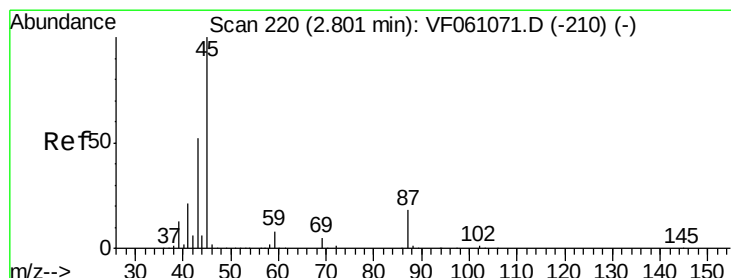
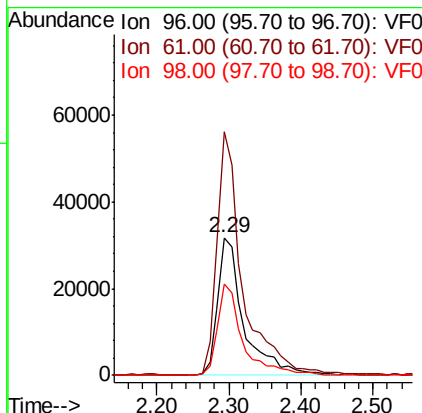
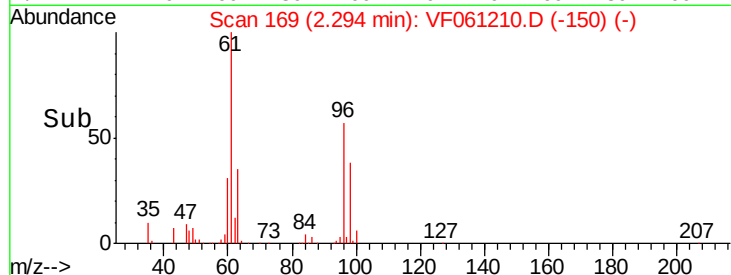
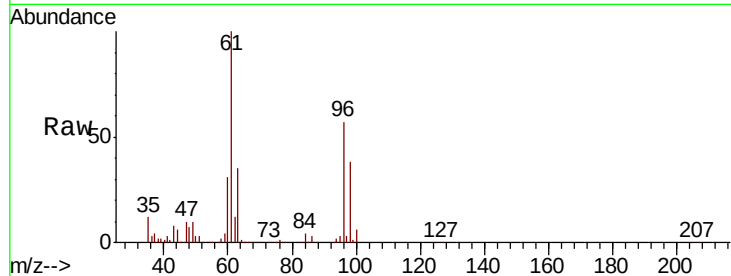
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:	96	Resp:	79316
Ion	Ratio	Lower	Upper
96	100		
61	176.8	146.0	219.0
98	66.5	51.6	77.4

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#22

Diisopropyl ether

Concen: 62.062 ug/l

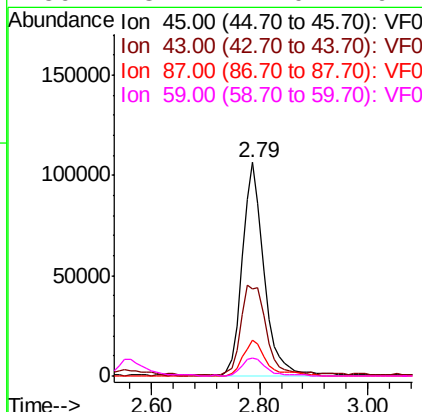
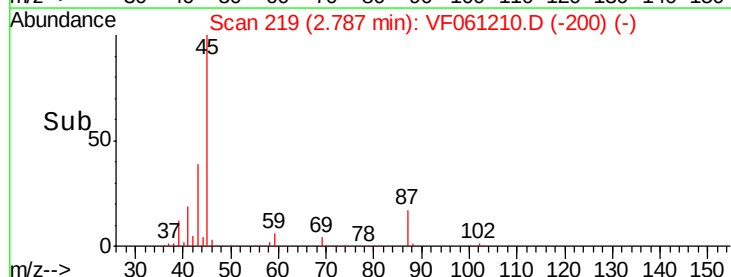
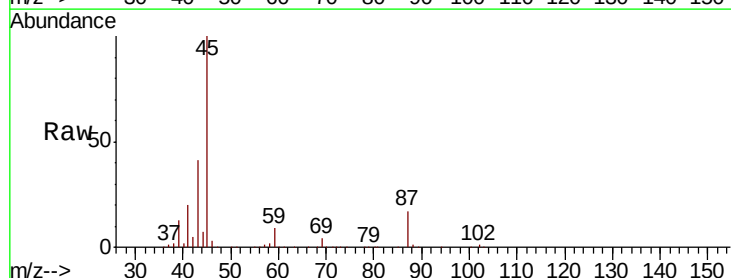
RT: 2.79 min Scan# 219

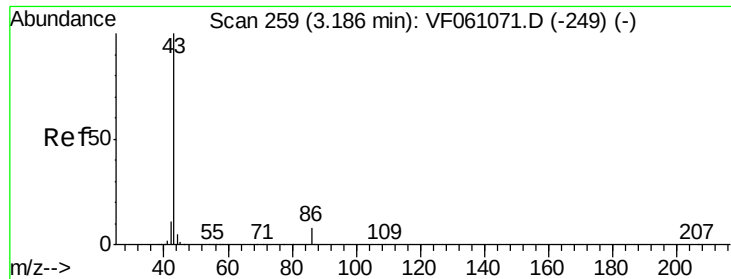
Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion:	45	Resp:	298147
Ion	Ratio	Lower	Upper
45	100		
43	40.9	42.2	63.2#
87	16.7	14.6	22.0
59	8.7	7.0	10.4





#23

Vinyl Acetate

Concen: 36.386 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 80638

Ion Ratio Lower Upper

43 100

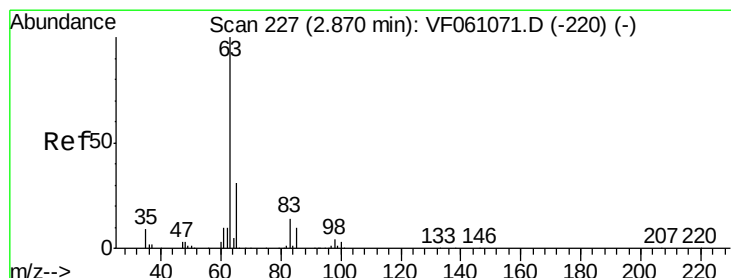
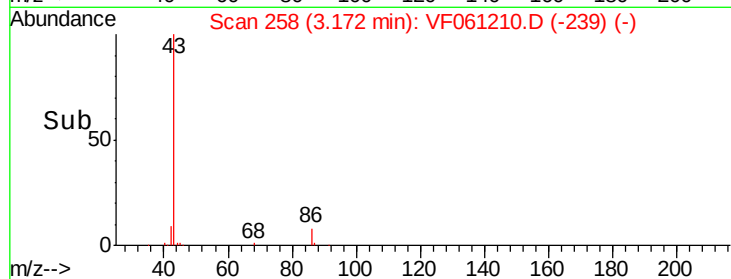
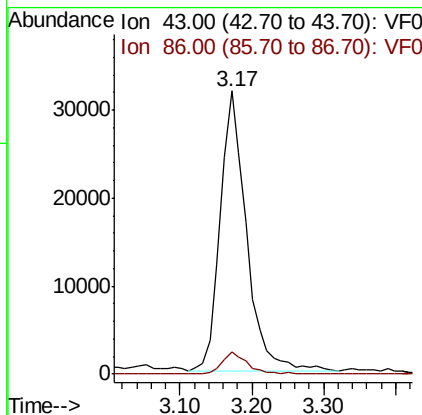
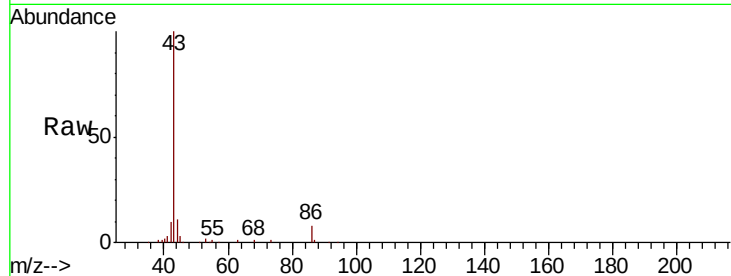
86 7.8 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 60.797 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

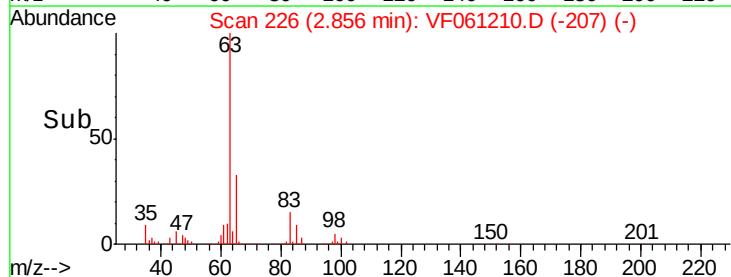
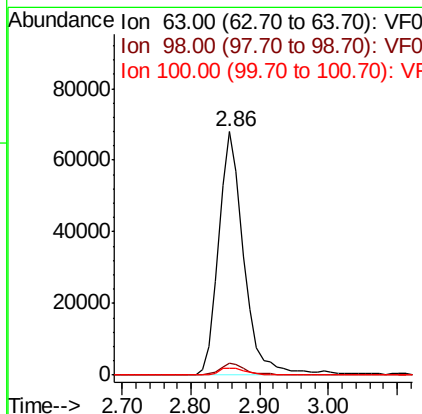
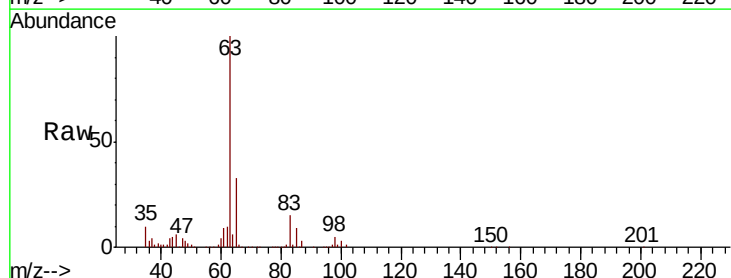
Tgt Ion: 63 Resp: 173050

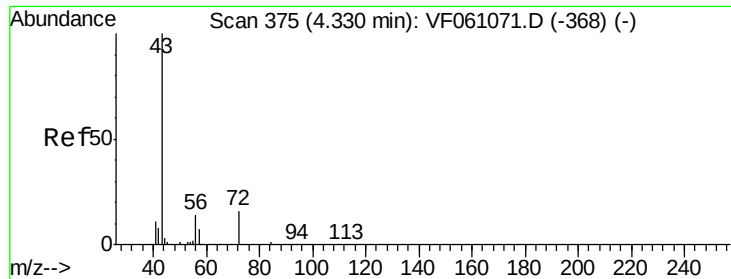
Ion Ratio Lower Upper

63 100

98 5.1 2.1 6.5

100 2.5 1.7 5.1





#25

2-Butanone

Concen: 304.473 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 199608

Ion Ratio Lower Upper

43 100

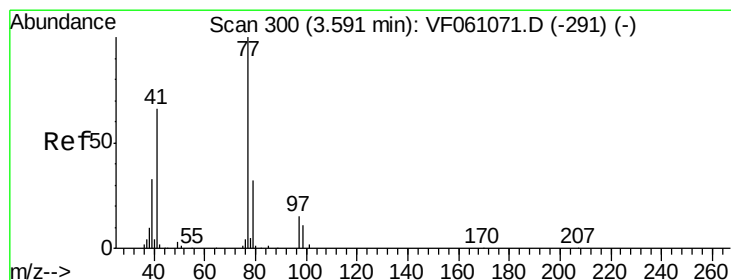
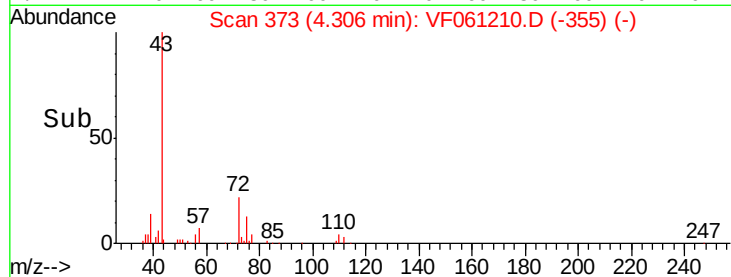
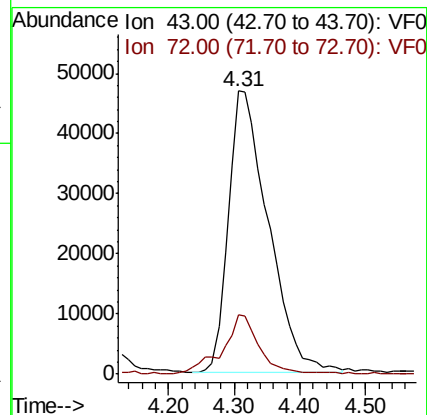
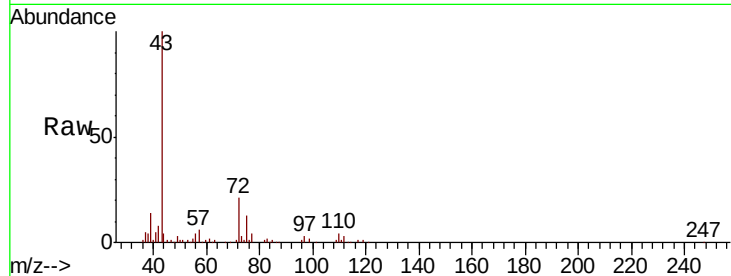
72 20.9 15.6 23.4

Manual Integrations

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MMDadoda

12/28/2018 9:38:34 AM



#26

2,2-Dichloropropane

Concen: 59.297 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061210.D

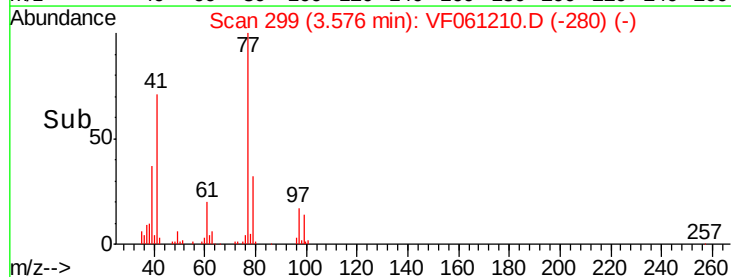
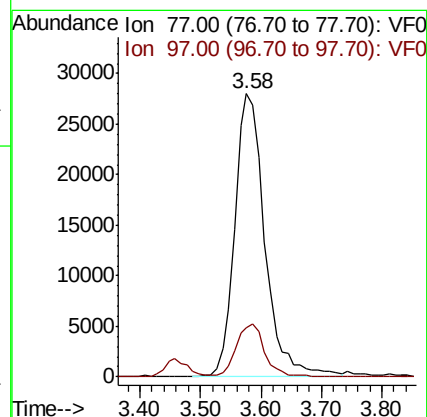
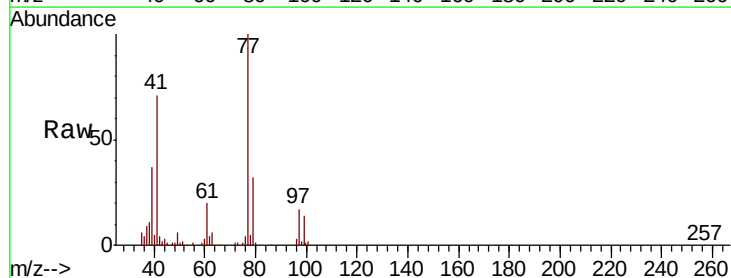
Acq: 27 Dec 2018 16:11

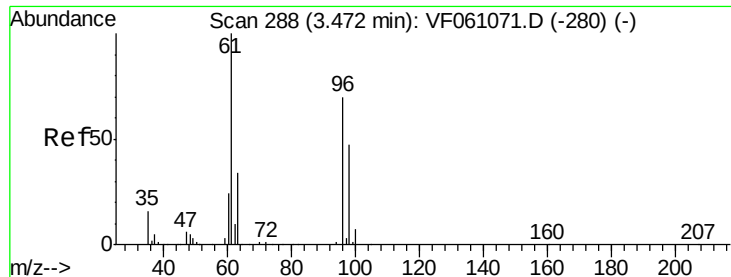
Tgt Ion: 77 Resp: 96859

Ion Ratio Lower Upper

77 100

97 17.4 8.2 24.4





#27

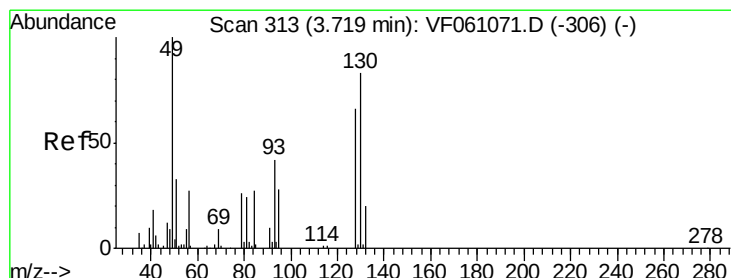
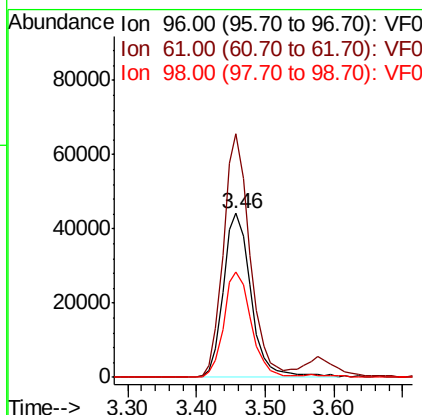
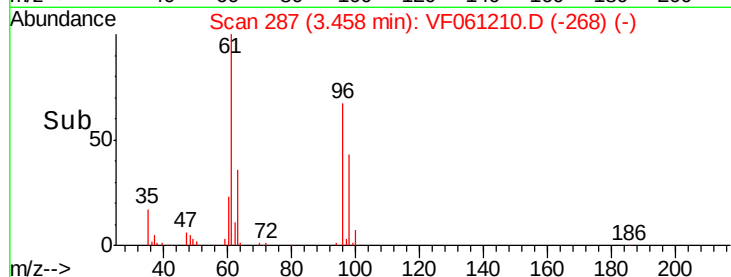
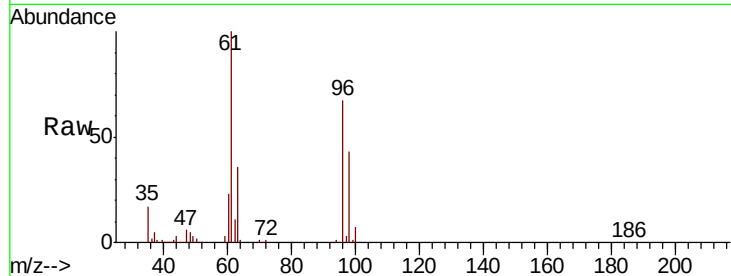
cis-1,2-Dichloroethene
Concen: 54.478 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123622		
61	148.7	0.0	287.8	
98	64.4	0.0	134.2	

Manual Integrations
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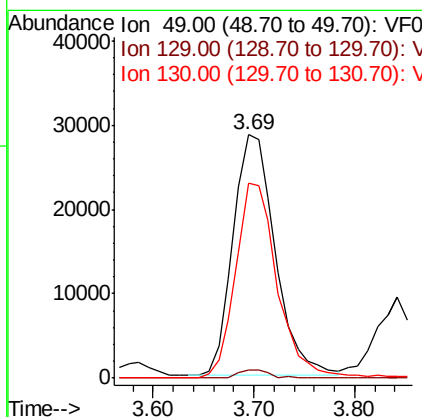
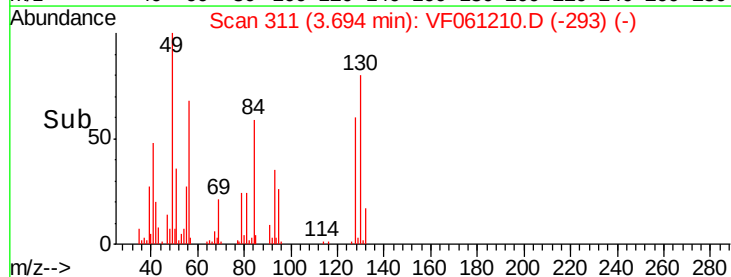
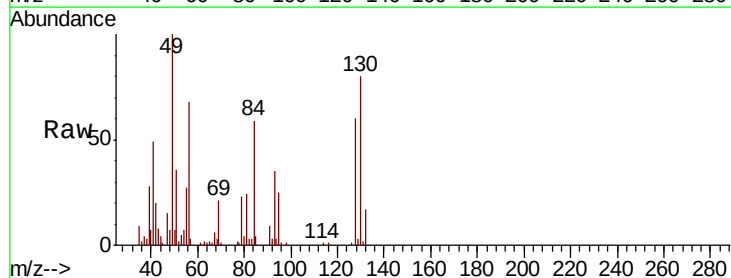
MMDadoda
12/28/2018 9:38:34 AM

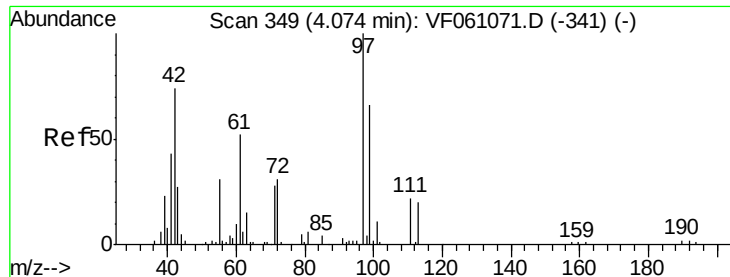


#28

Bromochloromethane
Concen: 57.703 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83336		
129	3.2	0.0	3.6	
130	80.0	65.8	98.6	





#29

Tetrahydrofuran

Concen: 317.992 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

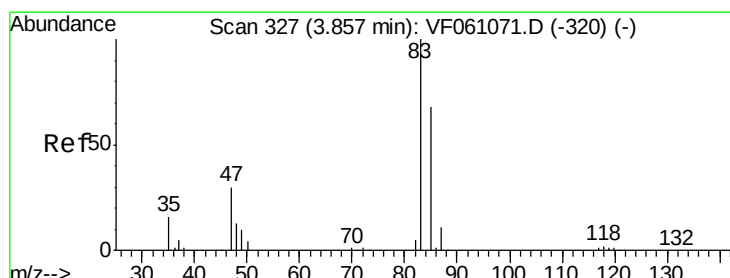
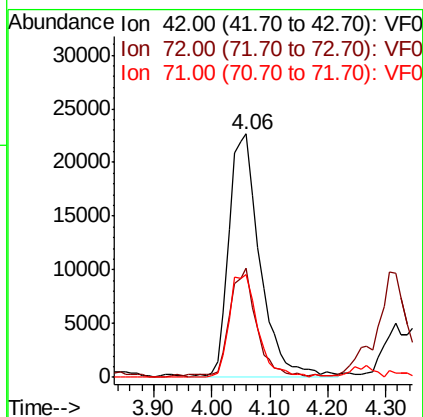
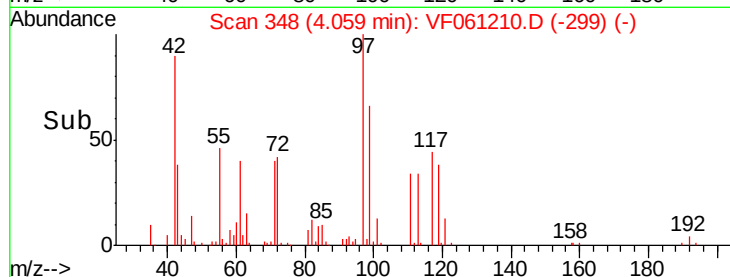
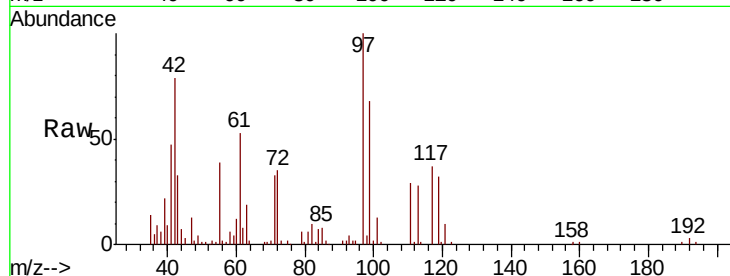
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:	42	Resp:	84850
Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.8	47.8
71	38.3	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 57.715 ug/l

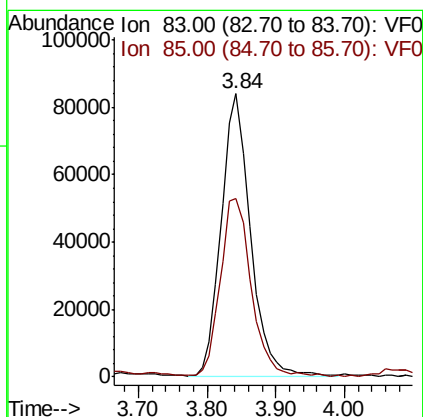
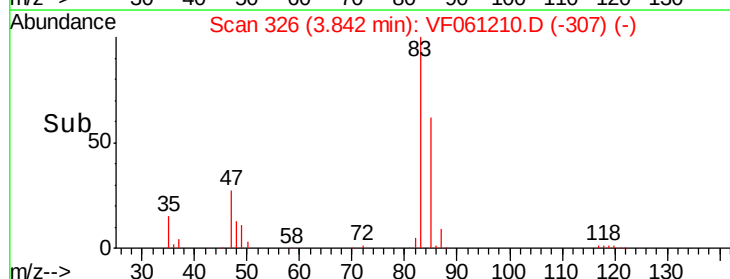
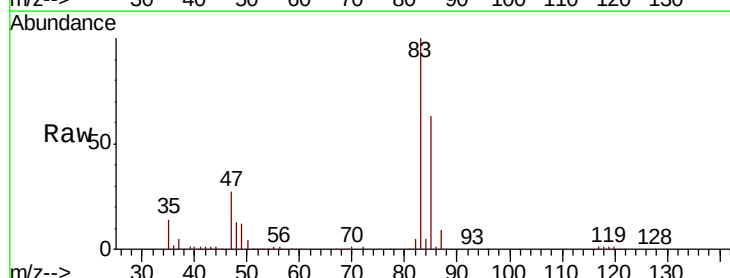
RT: 3.84 min Scan# 326

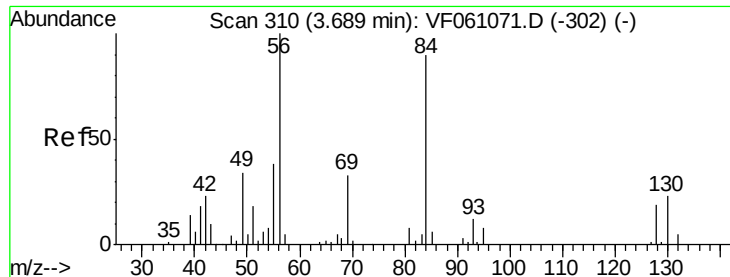
Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion:	83	Resp:	246321
Ion	Ratio	Lower	Upper
83	100		
85	63.1	54.5	81.7





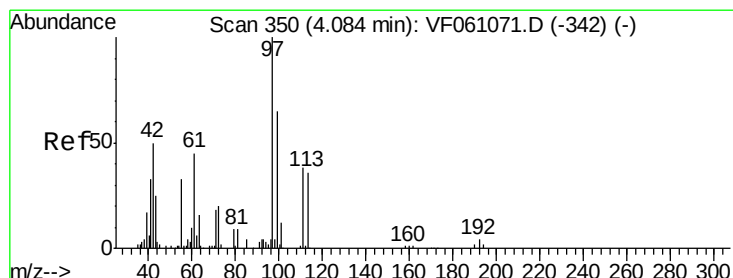
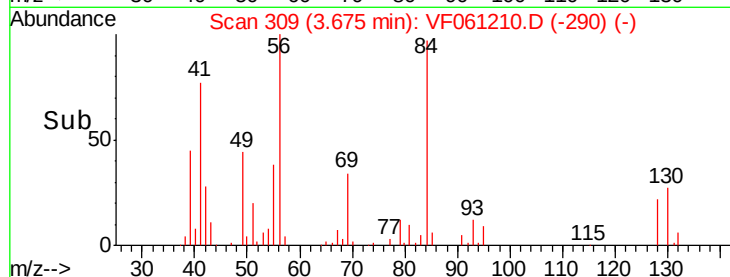
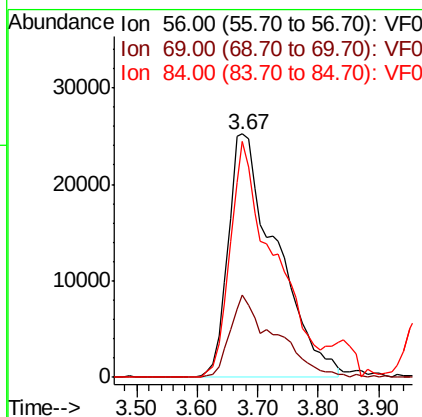
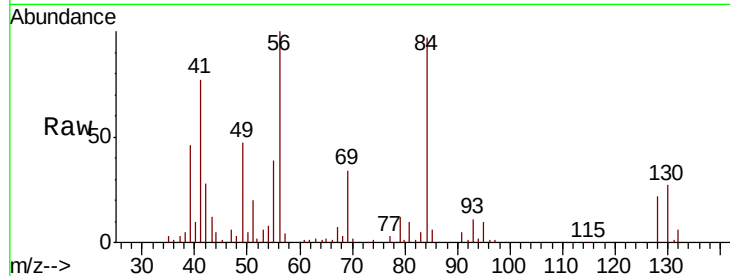
#31
Cyclohexane
Concen: 47.283 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.0	39.0
84	96.7	71.4	107.2

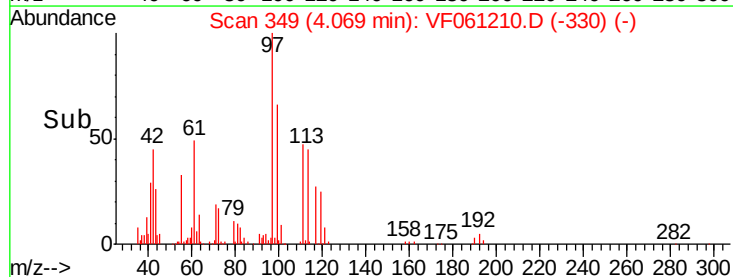
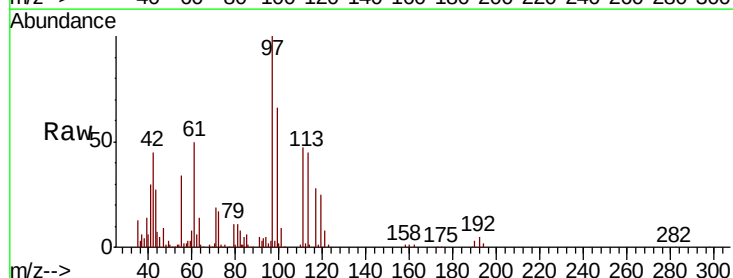
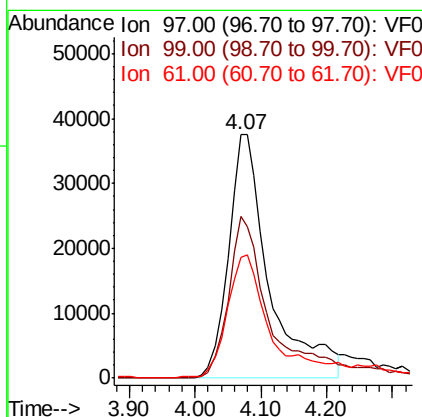
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APPROVED

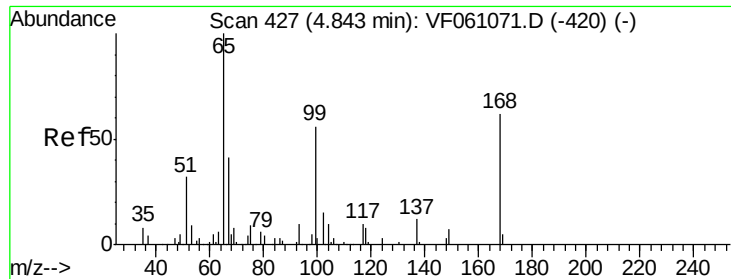
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#32
1,1,1-Trichloroethane
Concen: 63.694 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.6	77.4
61	49.6	36.2	54.2





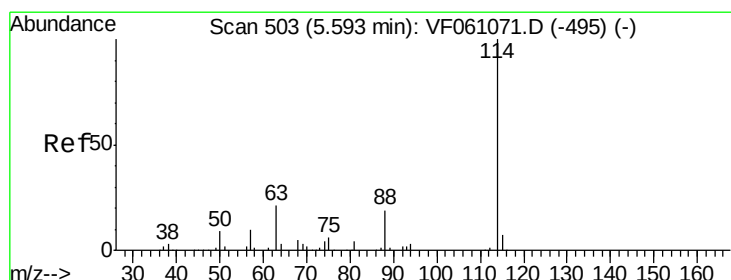
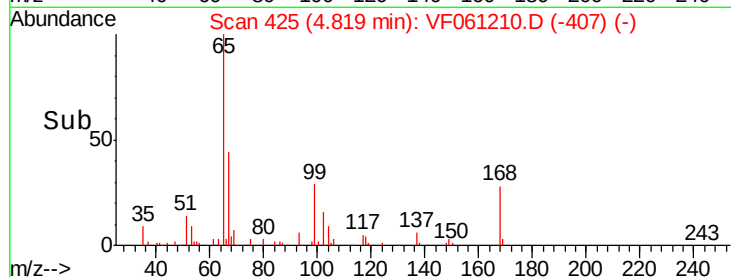
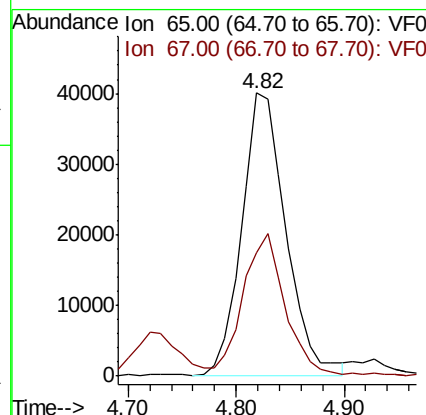
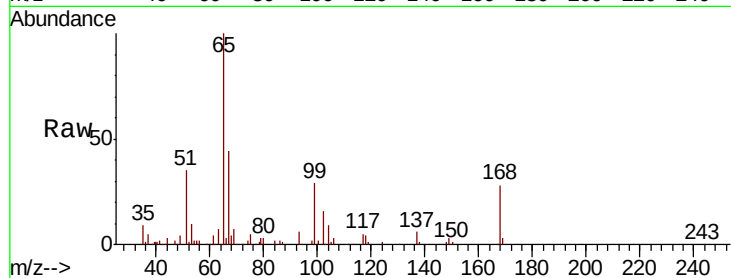
#33
 1,2-Dichloroethane-d4
 Concen: 56.487 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.02 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.7	0.0	94.6

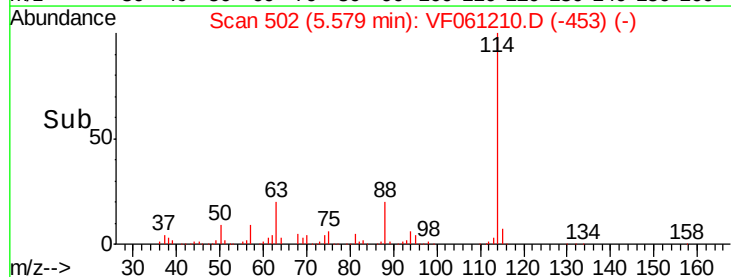
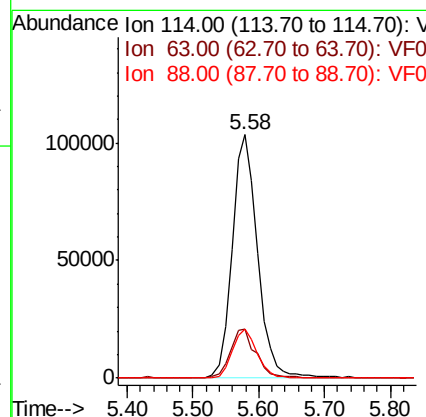
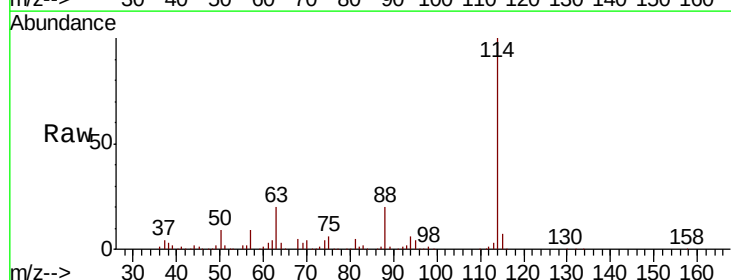
Manual Integrations
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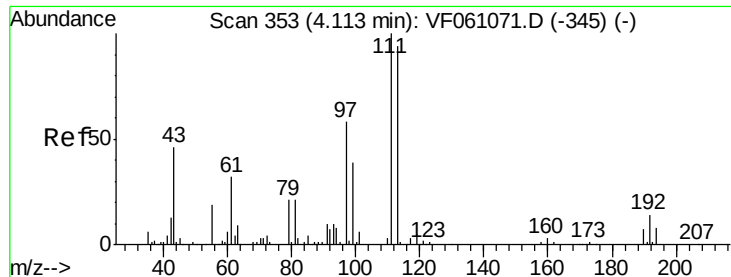
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.6
88	20.0	0.0	38.0





#35

Dibromofluoromethane

Concen: 53.256 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

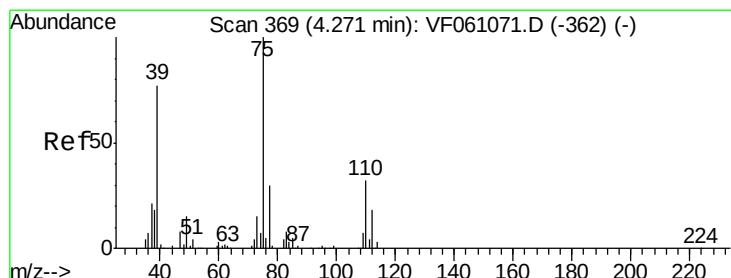
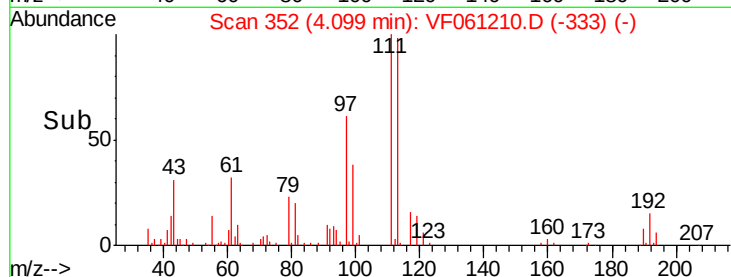
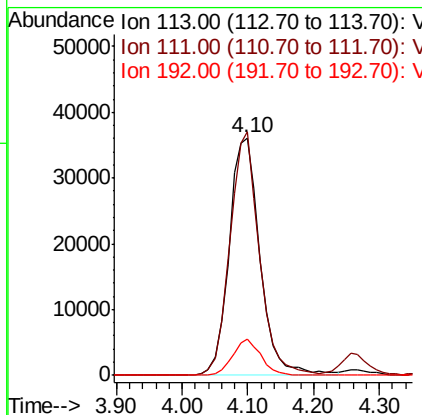
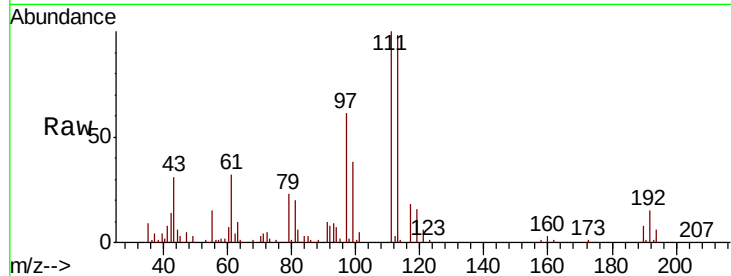
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:	113	Resp:	119111
Ion Ratio	Lower	Upper	
113	100		
111	102.4	85.2	127.8
192	15.4	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.115 ug/l

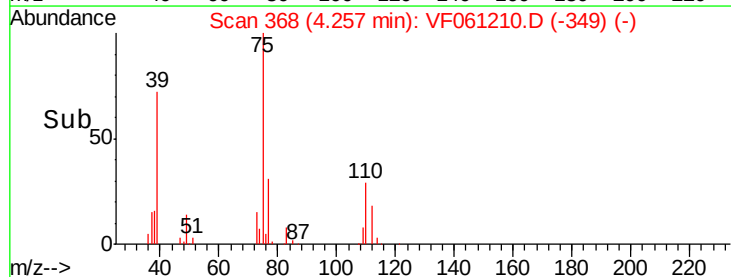
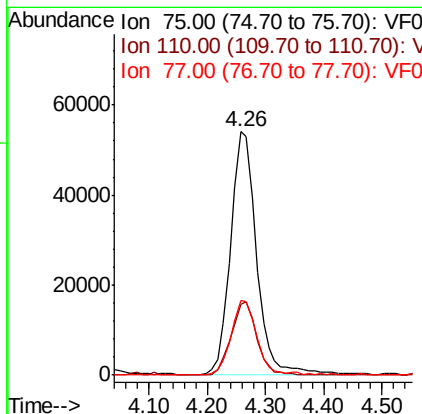
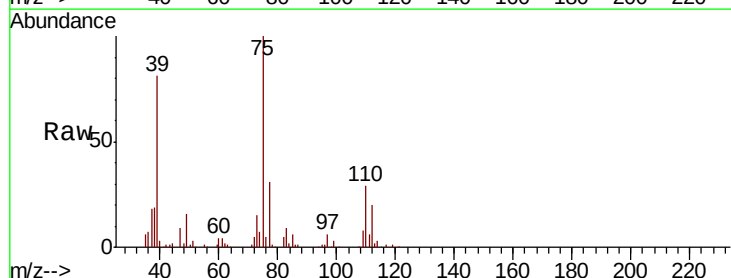
RT: 4.26 min Scan# 368

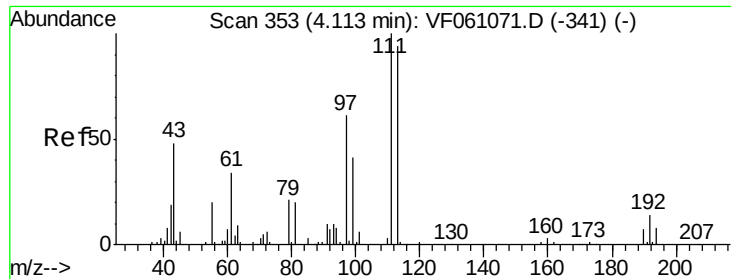
Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion:	75	Resp:	168896
Ion Ratio	Lower	Upper	
75	100		
110	29.2	16.1	48.2
77	30.6	24.5	36.7





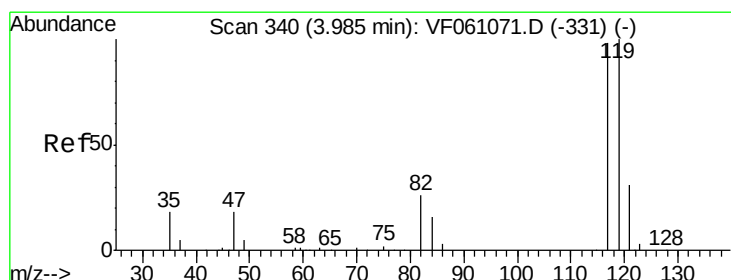
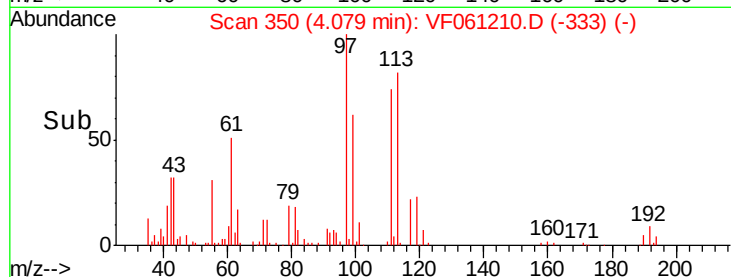
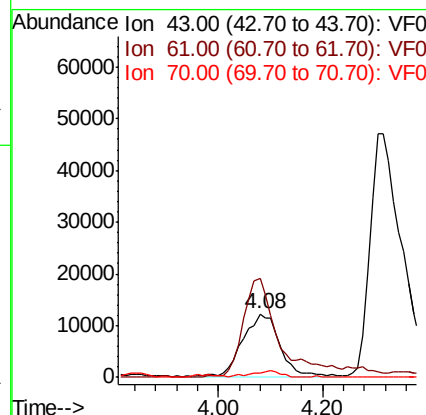
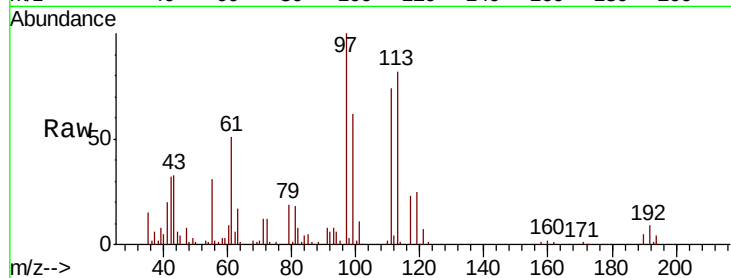
#37
Ethyl Acetate
Concen: 43.508 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	156.4	56.6	84.8#
70	6.4	6.3	9.5

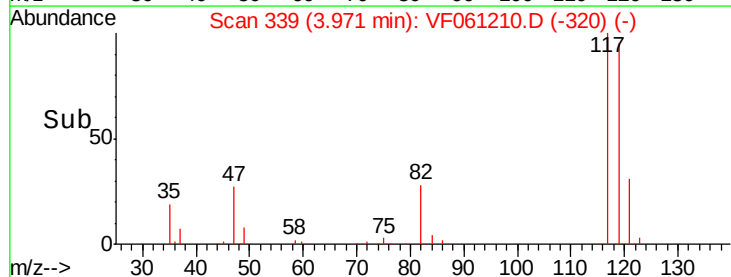
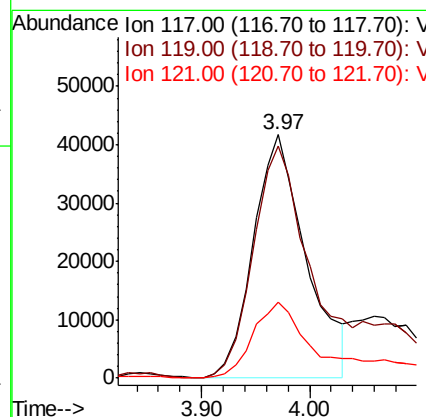
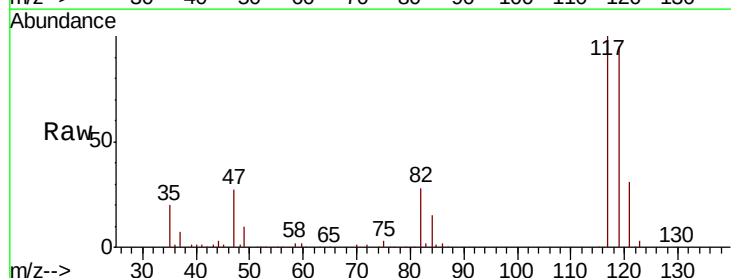
Manual Integrations
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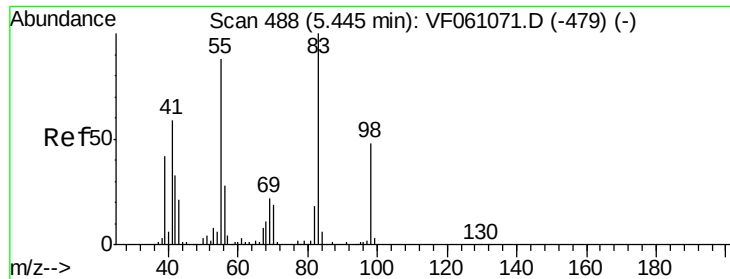
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#38
Carbon Tetrachloride
Concen: 54.913 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	82.1	123.1
121	31.2	25.5	38.3





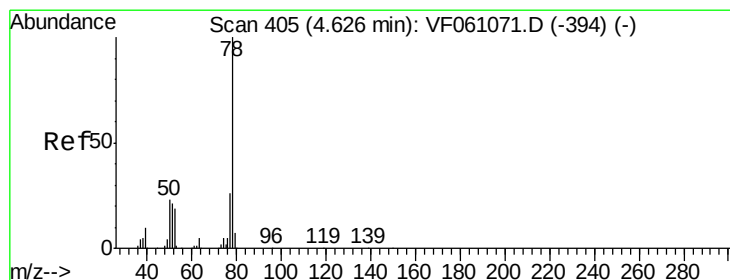
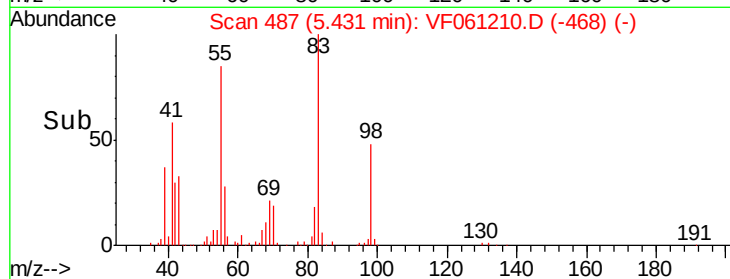
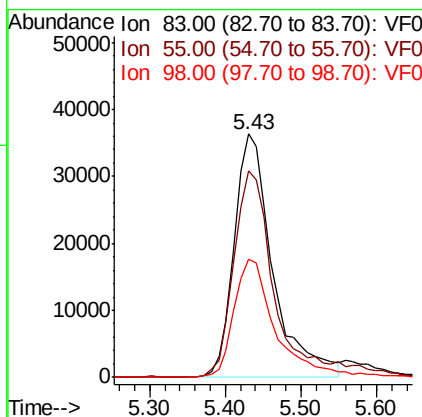
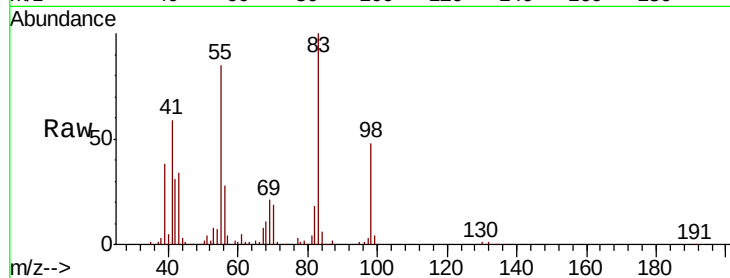
#39
Methylvlcyclohexane
Concen: 42.812 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	70.6	105.8
98	48.3	38.5	57.7

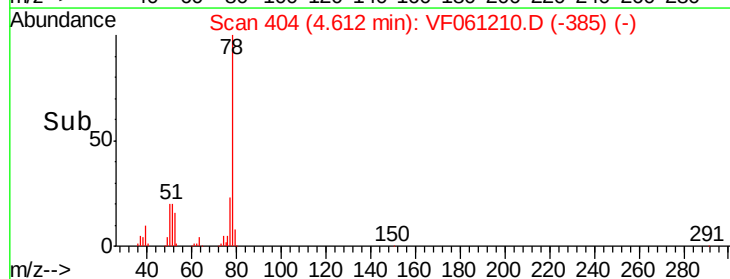
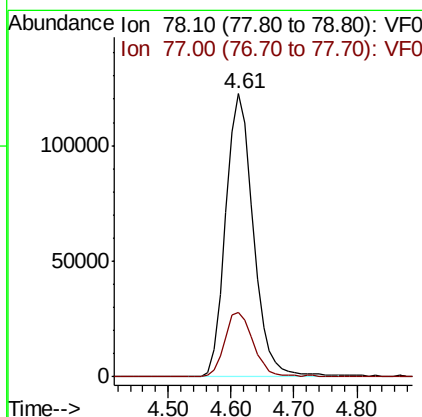
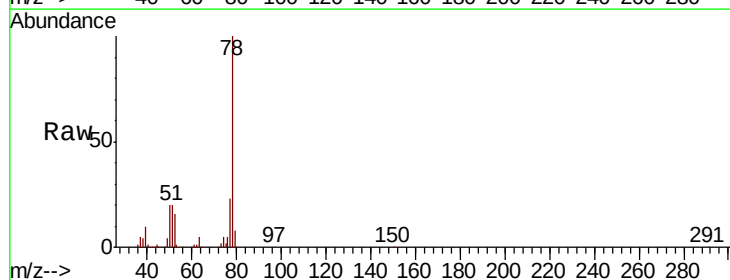
Manual Integrations
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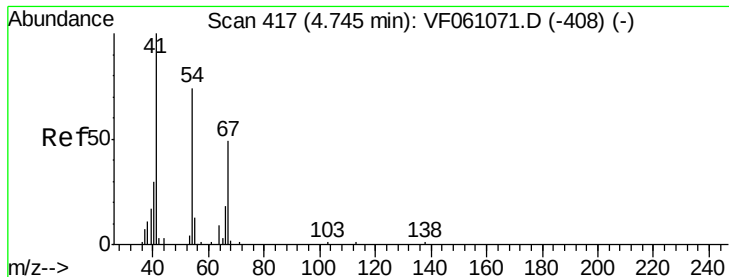
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#40
Benzene
Concen: 51.378 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	20.7	31.1





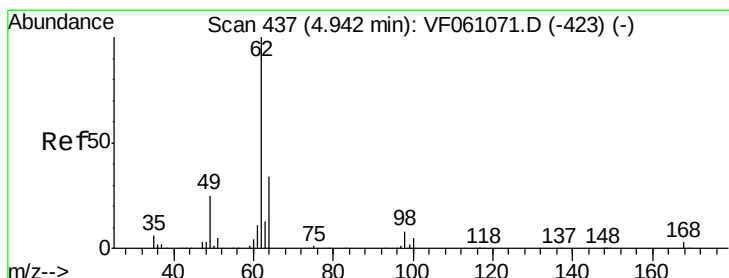
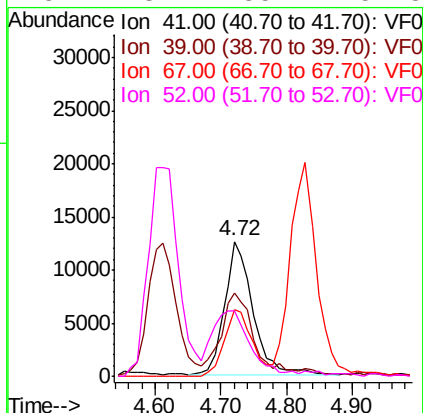
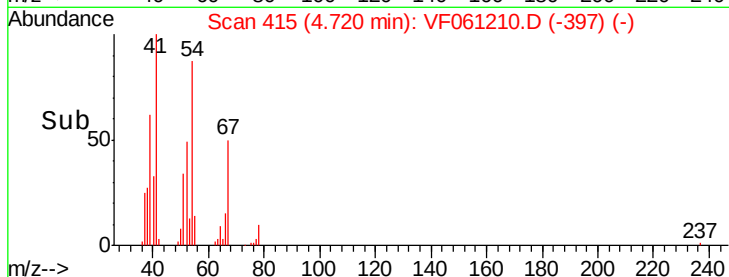
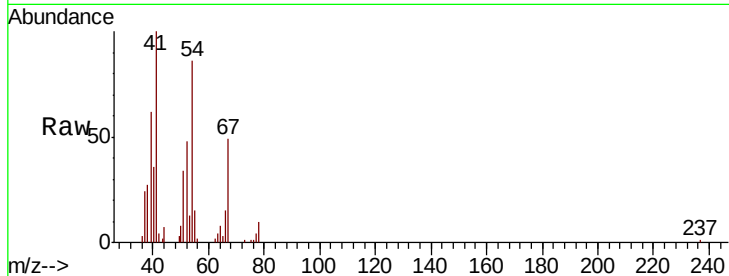
#41
Methacrylonitrile
Concen: 53.558 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
38120	41	100		
	39	61.7	45.7	68.5
	67	49.4	38.9	58.3
	52	48.4	35.2	52.8

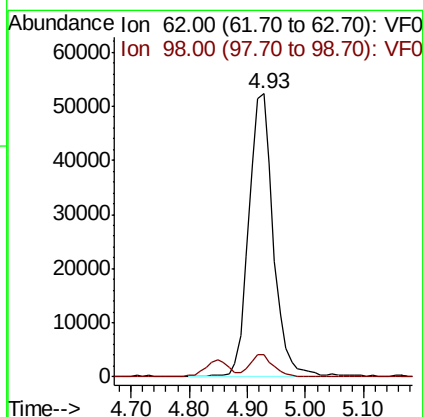
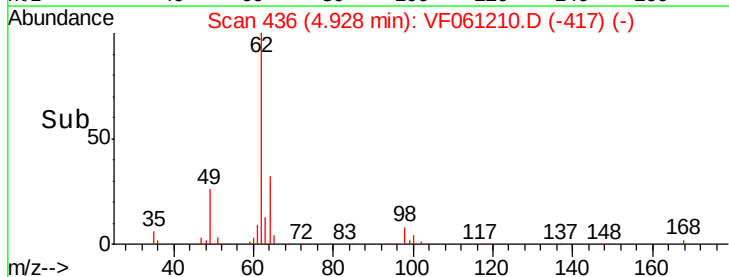
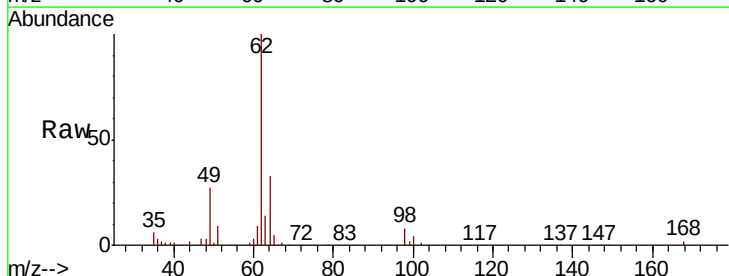
Manual Integrations
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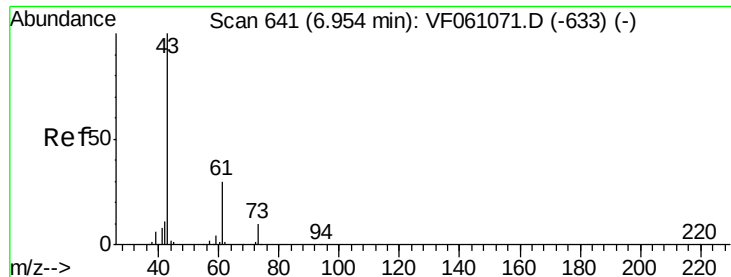
MMDadoda
12/28/2018 9:38:34 AM



#42
1,2-Dichloroethane
Concen: 56.668 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ion	Ratio	Lower	Upper
156020	62	100		
	98	7.8	0.0	16.6





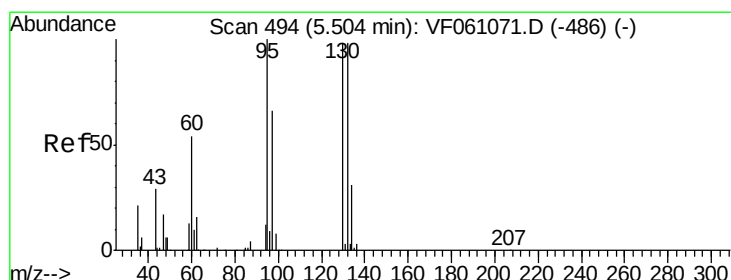
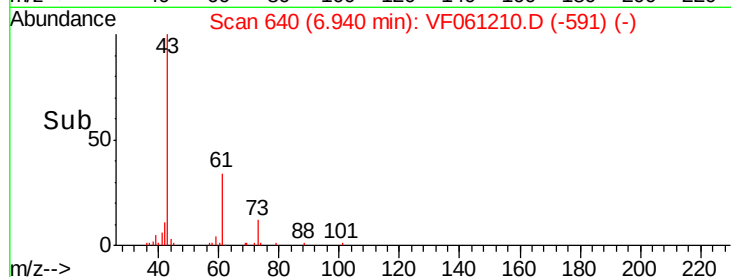
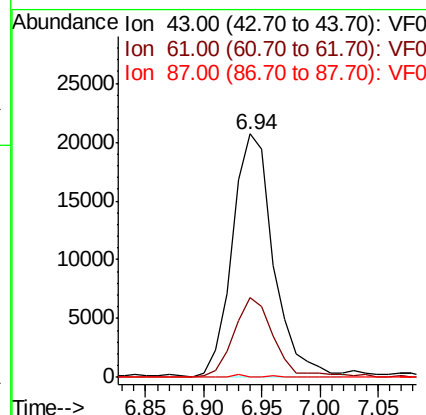
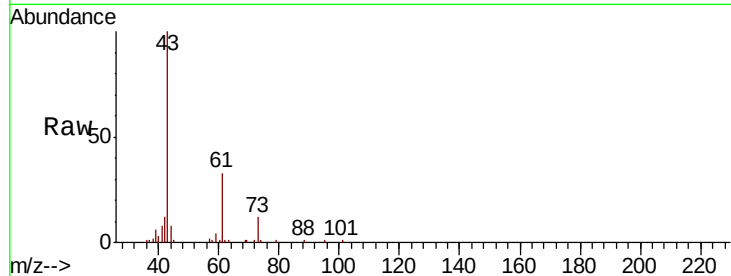
#43
Isopropyl Acetate
Concen: 31.342 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.6	23.8	35.8
87	0.0	0.0	0.0

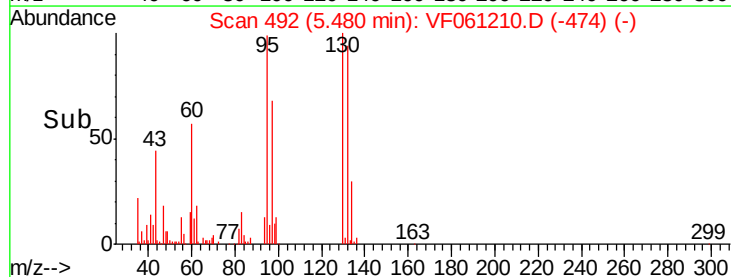
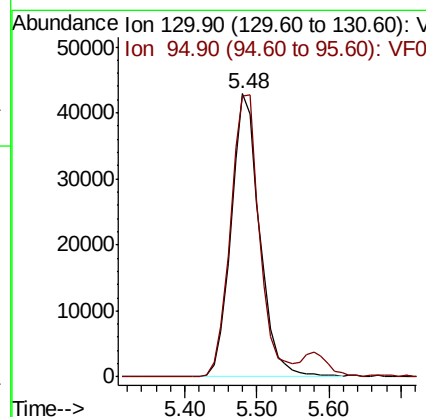
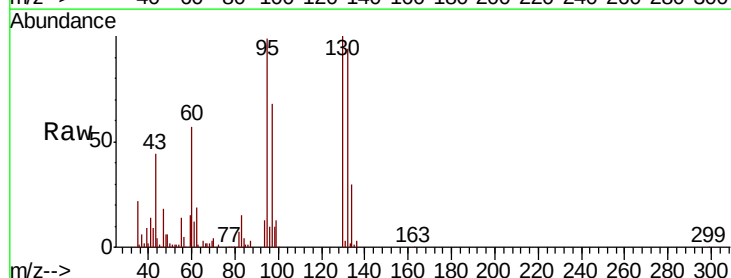
Manual Integrations
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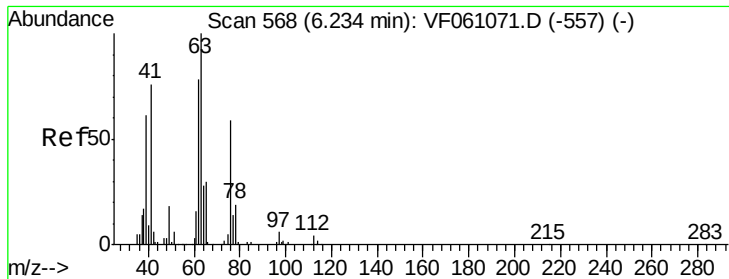
MMDadoda
12/28/2018 9:38:34 AM



#44
Trichloroethene
Concen: 51.749 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	205.2





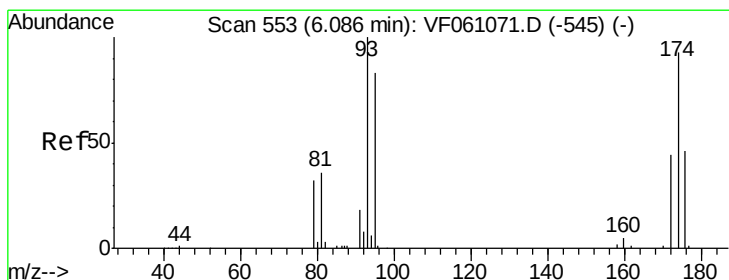
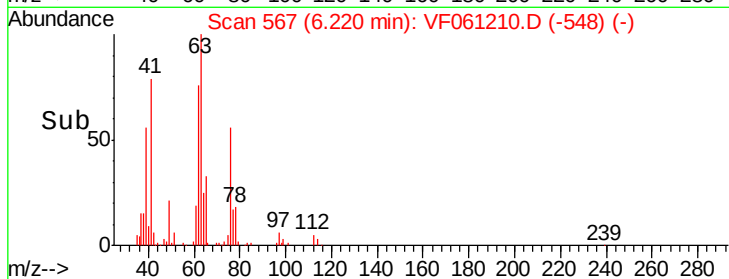
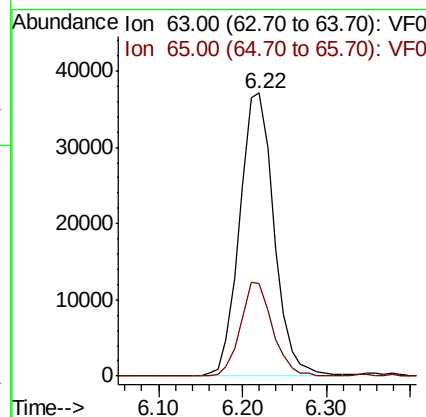
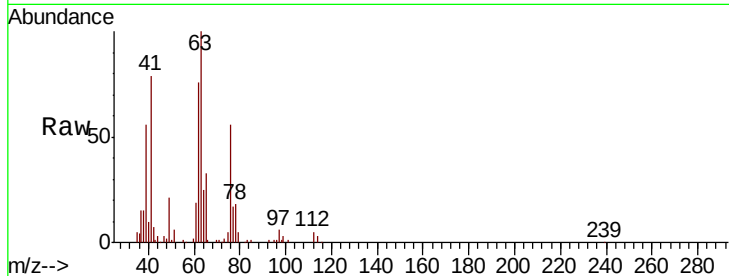
#45
1,2-Dichloropropane
Concen: 53.867 ug/l
RT: 6.22 min Scan# 567
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion: 63 Resp: 106216
Ion Ratio Lower Upper
63 100
65 32.8 24.4 36.6

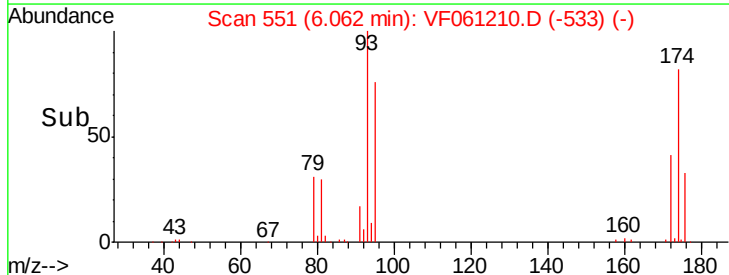
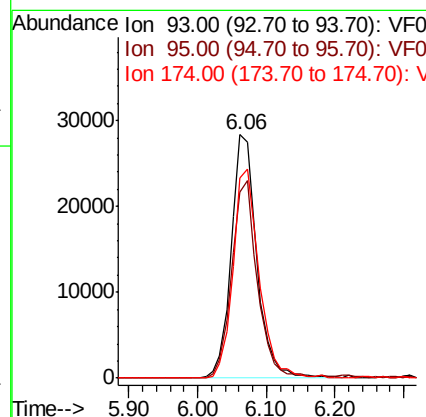
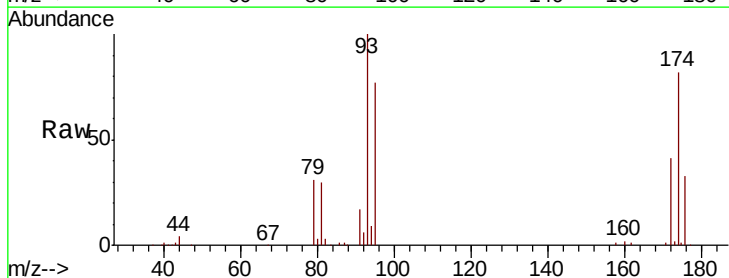
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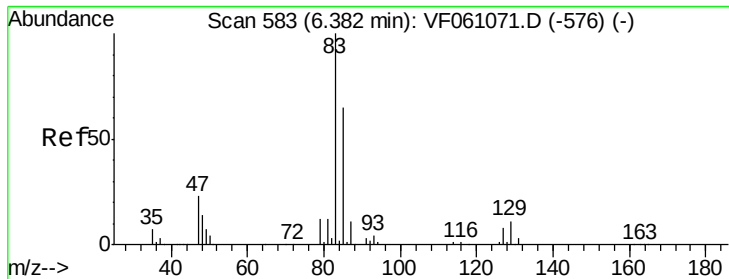
MMDadoda
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#46
Dibromomethane
Concen: 57.065 ug/l
RT: 6.06 min Scan# 551
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 93 Resp: 72980
Ion Ratio Lower Upper
93 100
95 76.6 66.9 100.3
174 82.1 74.1 111.1





#47

Bromodichloromethane

Concen: 54.132 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

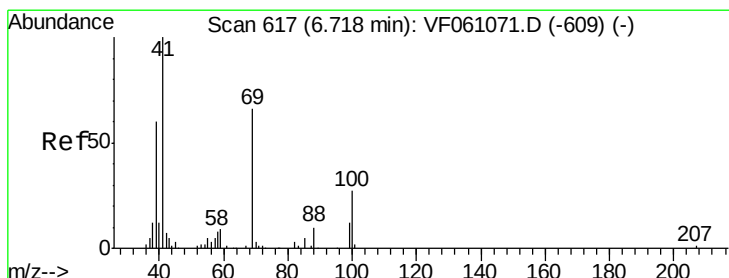
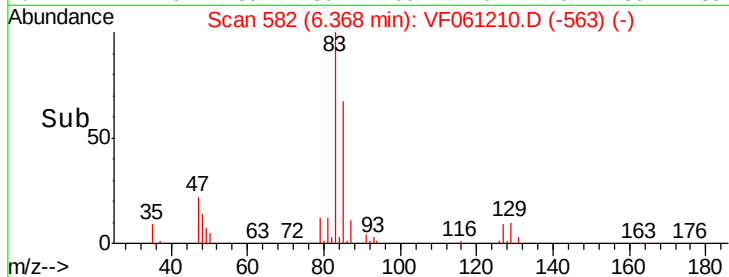
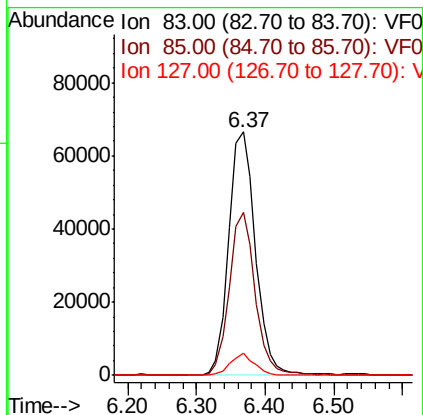
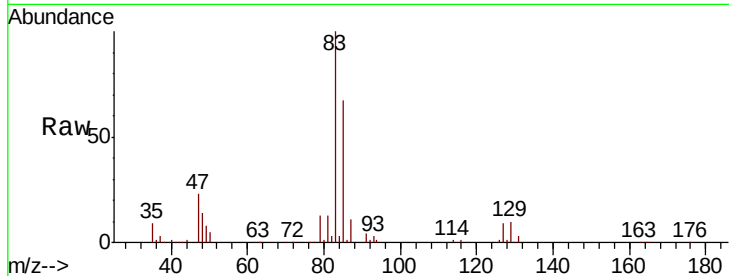
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:	83	Resp:	179875
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.2	78.4
127	9.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 67.728 ug/l

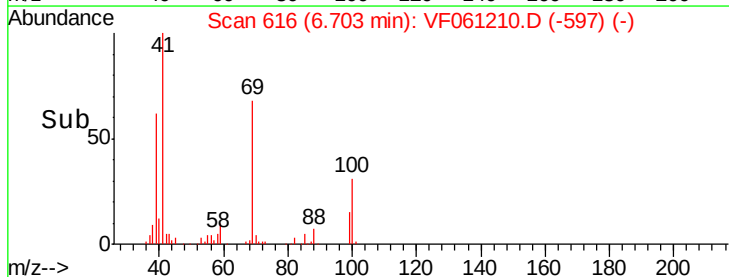
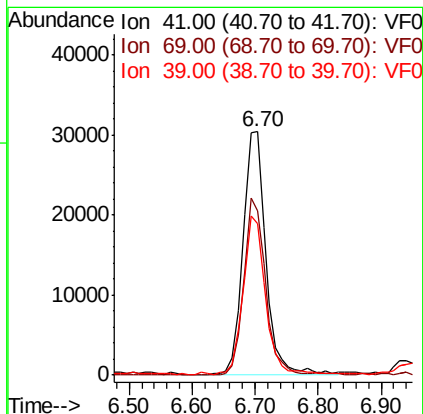
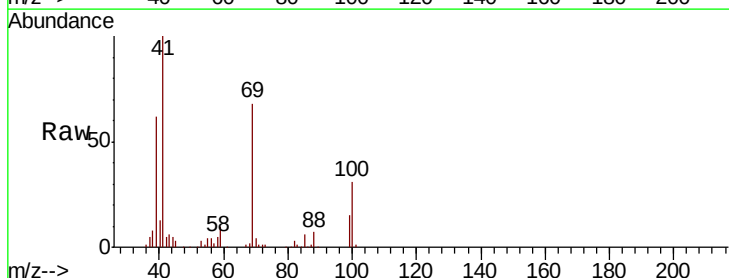
RT: 6.70 min Scan# 616

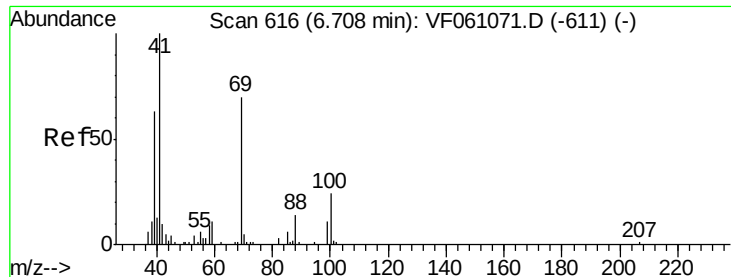
Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion:	41	Resp:	76940
Ion	Ratio	Lower	Upper
41	100		
69	67.7	52.7	79.1
39	62.1	47.8	71.6





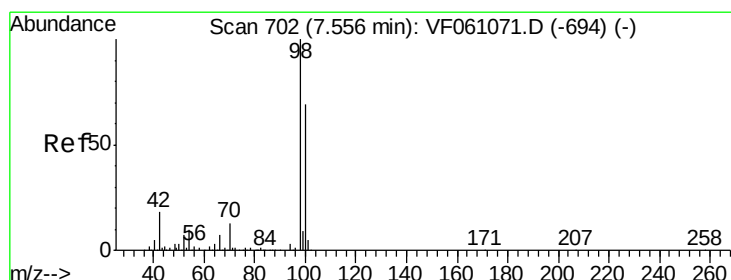
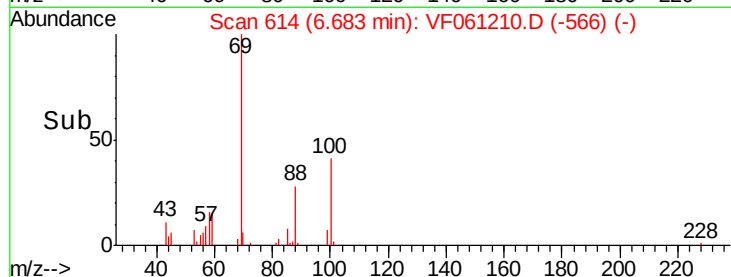
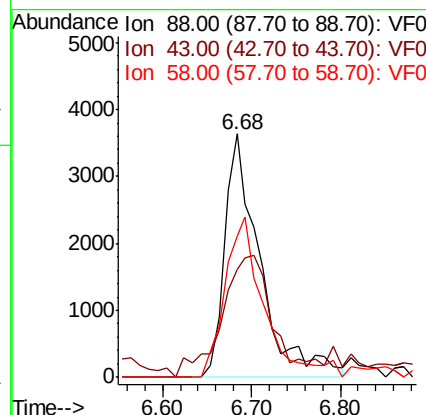
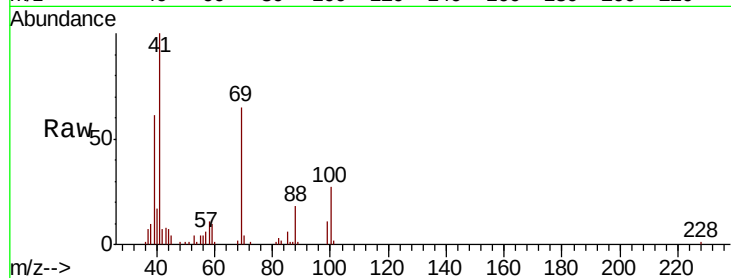
#49
1,4-Dioxane
Concen: 1223.956 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	44.5		33.3	49.9
58	57.8		53.2	79.8

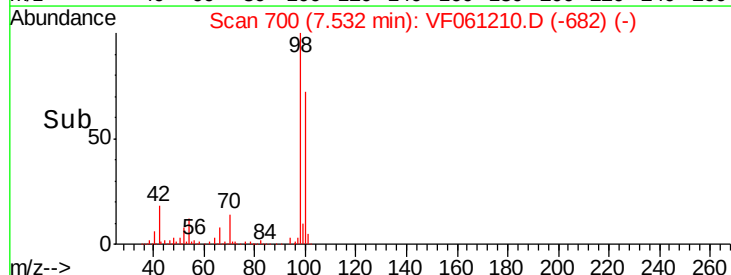
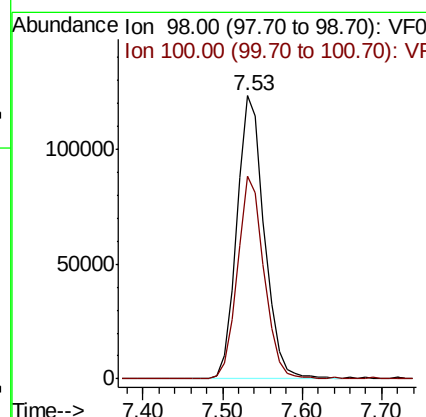
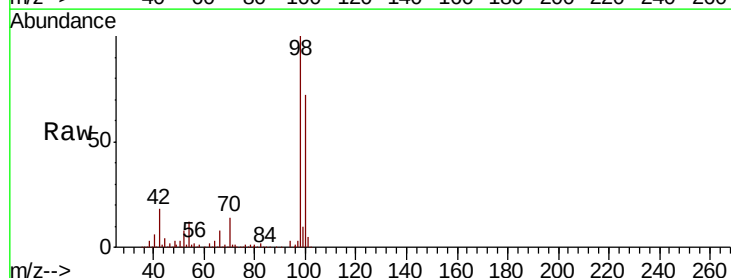
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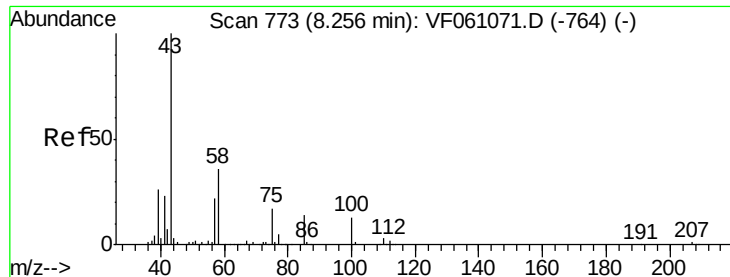
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#50
Toluene-d8
Concen: 46.833 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	71.8		55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 303.804 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 339055

Ion Ratio Lower Upper

43 100

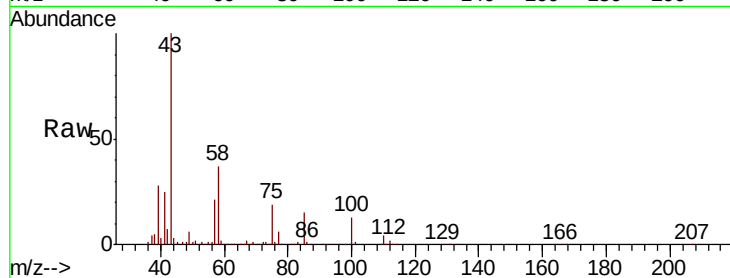
58 36.7 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

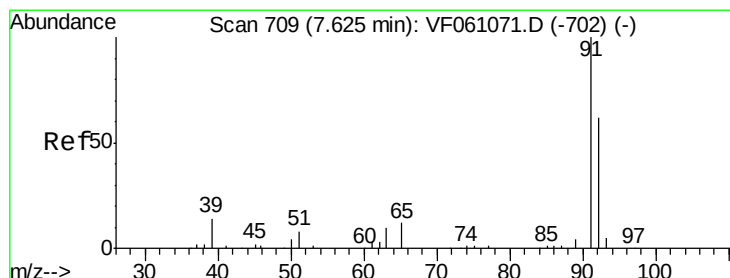
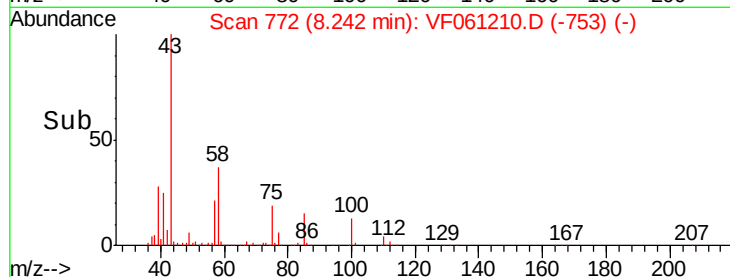
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 50.423 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061210.D

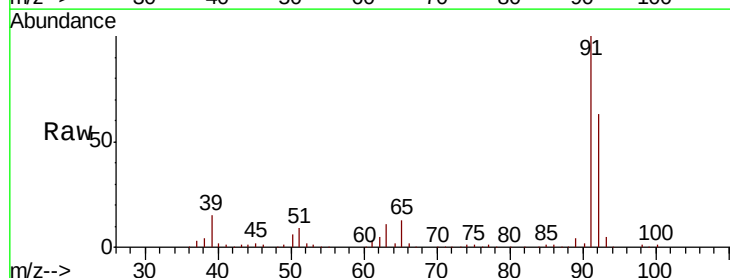
Acq: 27 Dec 2018 16:11

Tgt Ion: 92 Resp: 241906

Ion Ratio Lower Upper

92 100

91 159.7 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

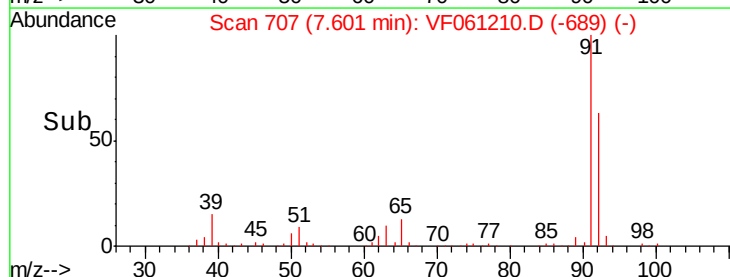
100000

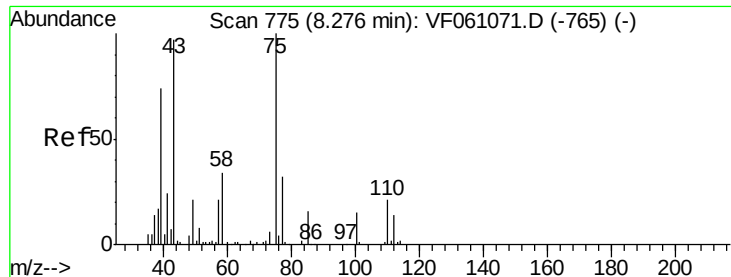
50000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.597 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 75 Resp: 140992

Ion Ratio Lower Upper

75 100

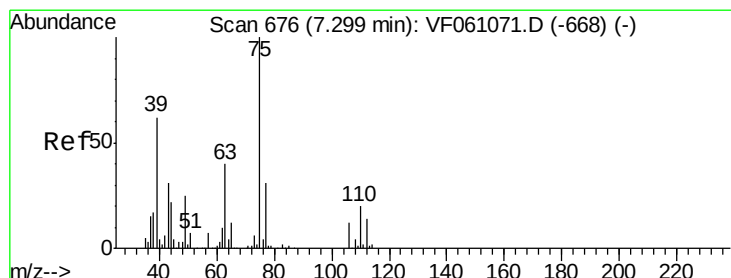
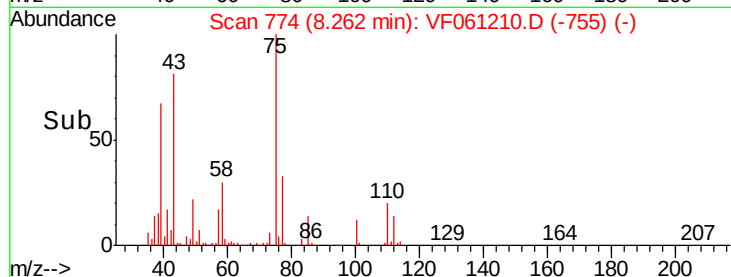
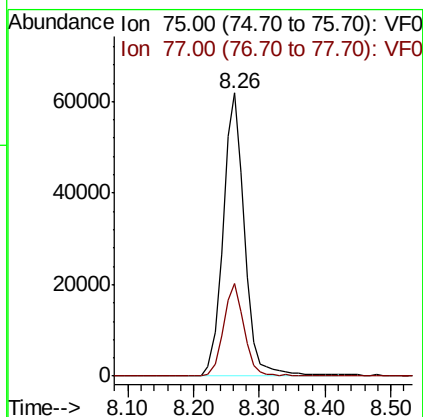
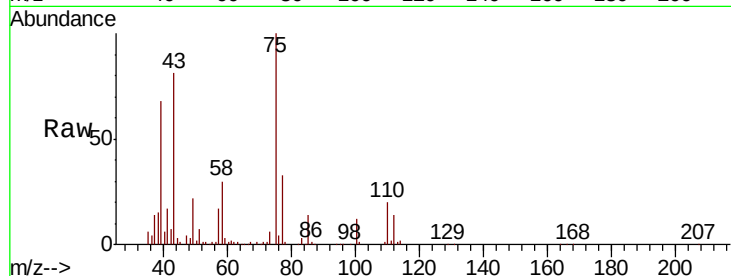
77 32.5 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 52.049 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

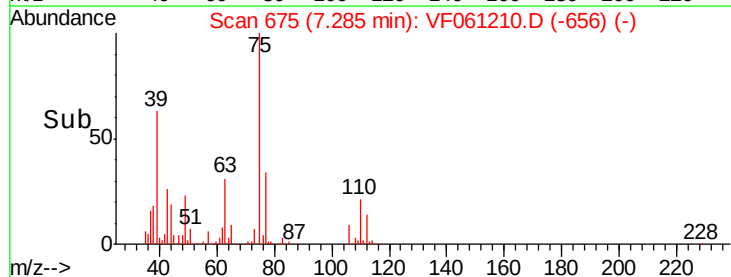
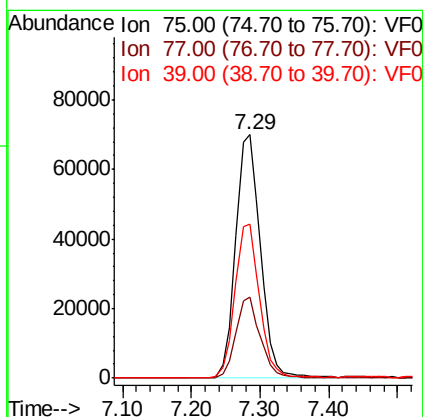
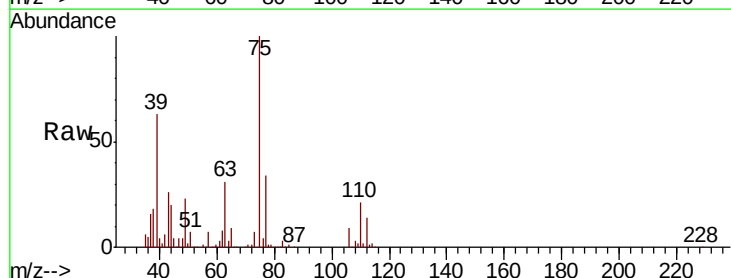
Tgt Ion: 75 Resp: 175113

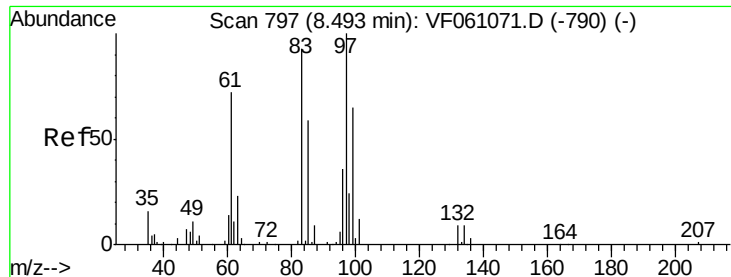
Ion Ratio Lower Upper

75 100

77 33.6 25.0 37.4

39 63.3 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 56.173 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

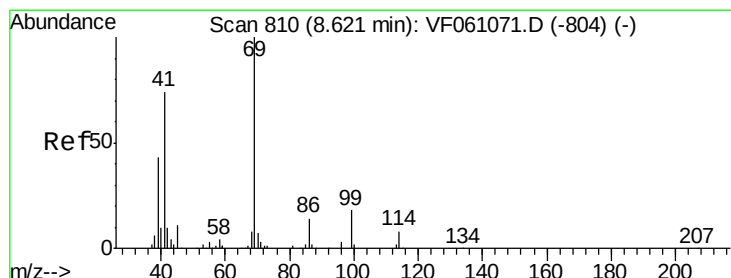
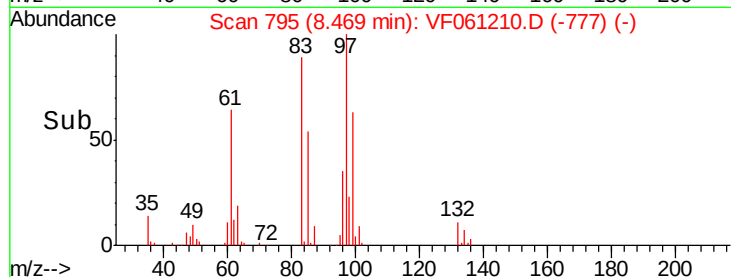
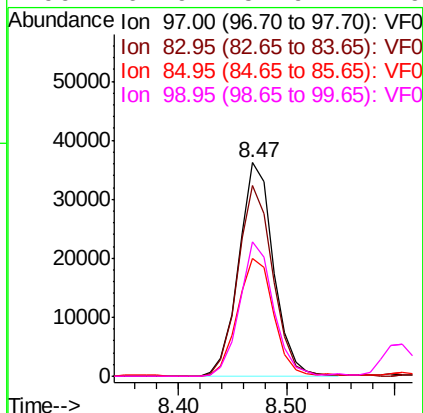
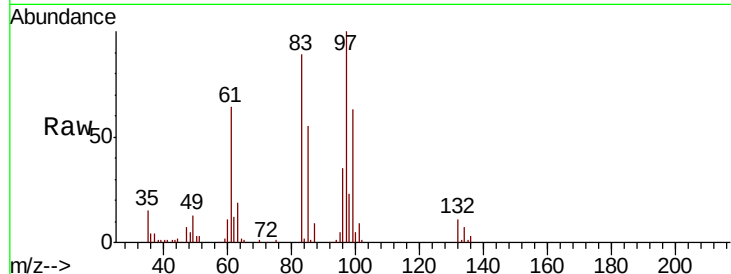
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:	97	Resp:	80789
Ion	Ratio	Lower	Upper
97	100		
83	89.3	75.0	112.4
85	55.3	47.5	71.3
99	62.9	51.9	77.9

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#56

Ethyl methacrylate

Concen: 40.988 ug/l

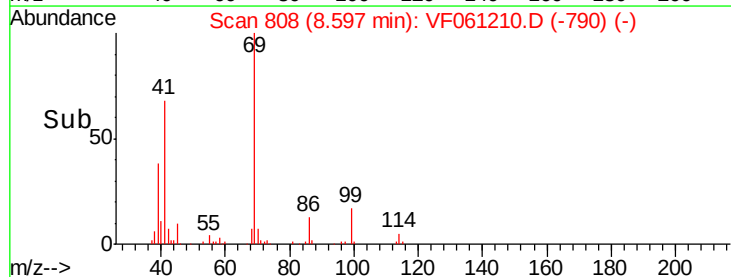
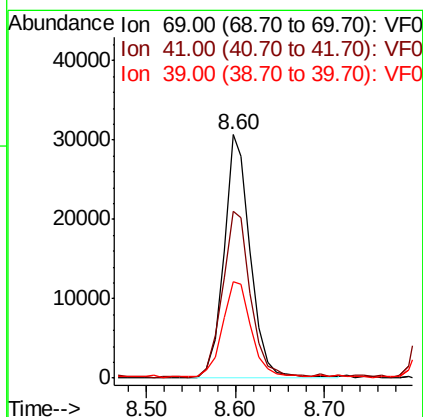
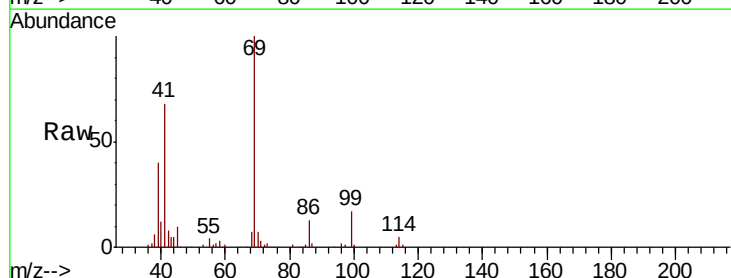
RT: 8.60 min Scan# 808

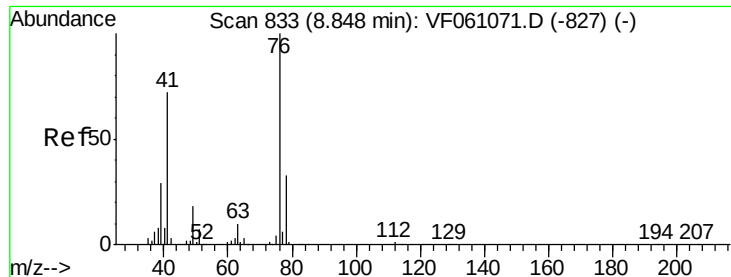
Delta R.T. -0.02 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion:	69	Resp:	63788
Ion	Ratio	Lower	Upper
69	100		
41	68.4	59.7	89.5
39	39.7	35.0	52.6





#57

1,3-Dichloropropane

Concen: 58.762 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 76 Resp: 152853

Ion Ratio Lower Upper

76 100

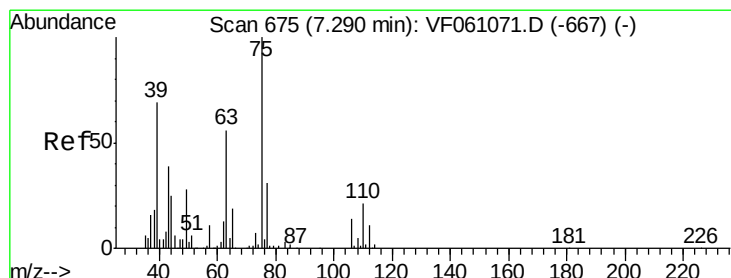
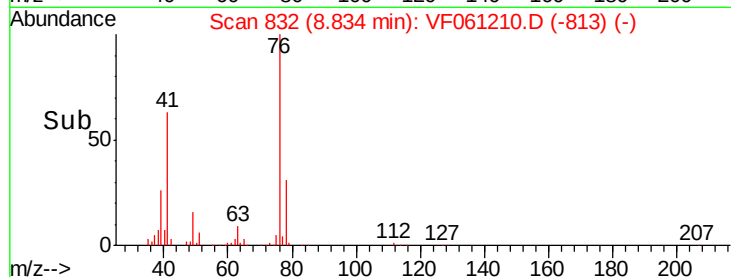
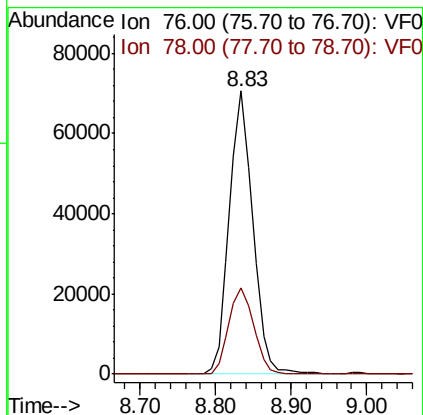
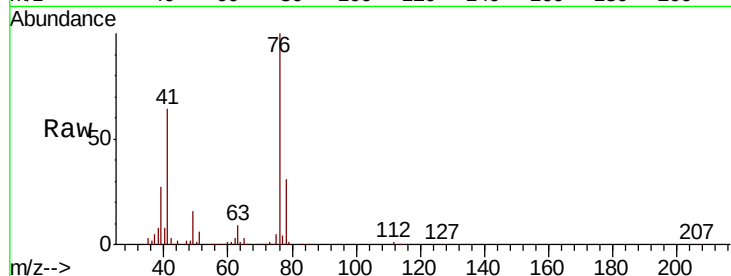
78 30.6 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 206.281 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061210.D

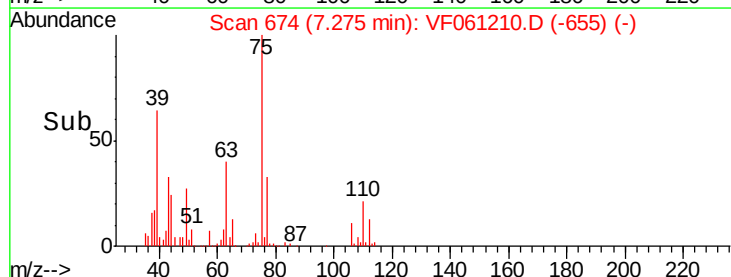
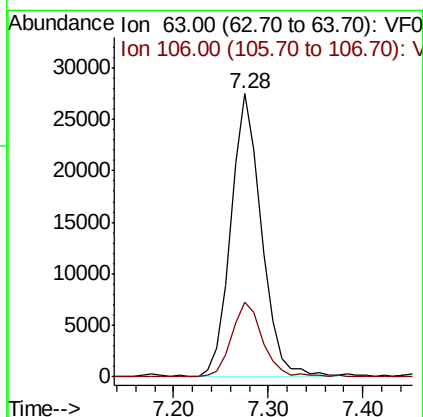
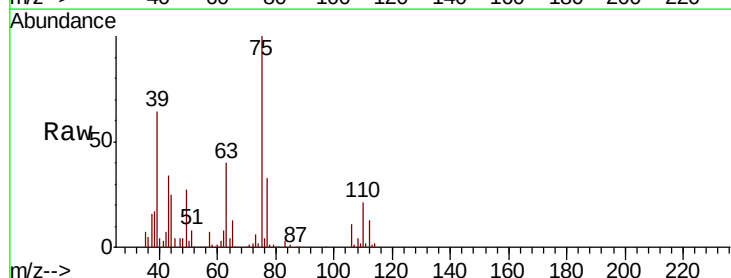
Acq: 27 Dec 2018 16:11

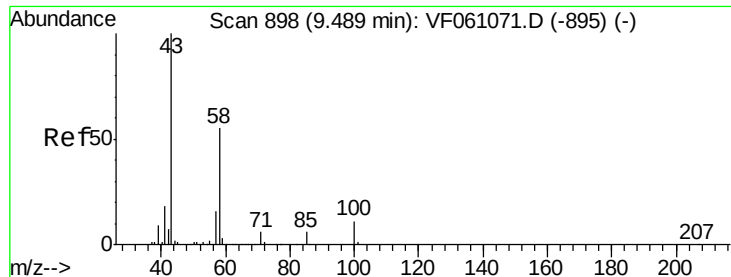
Tgt Ion: 63 Resp: 61656

Ion Ratio Lower Upper

63 100

106 26.6 19.8 29.8





#59

2-Hexanone

Concen: 309.077 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 43 Resp: 249452

Ion Ratio Lower Upper

43 100

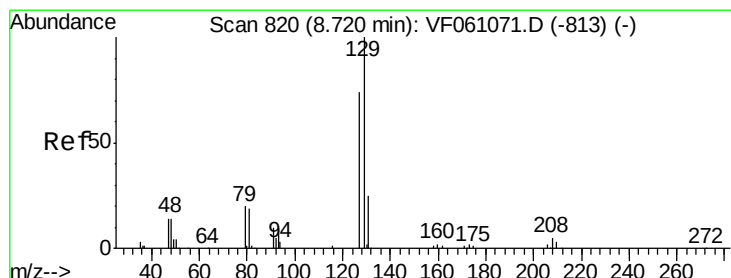
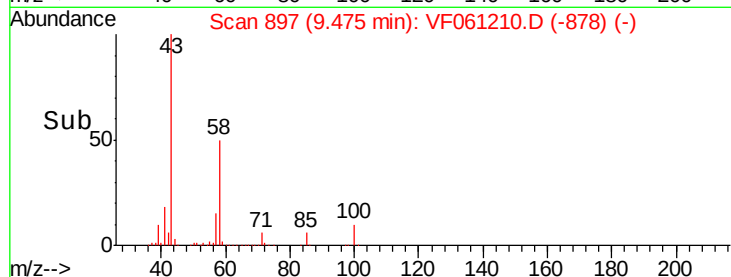
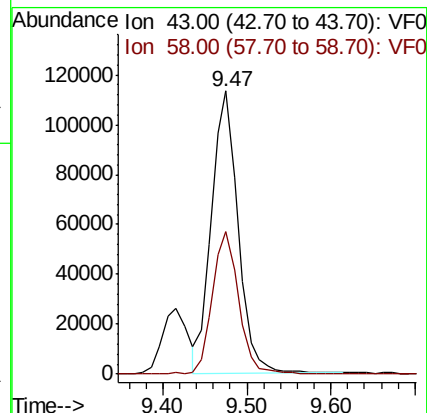
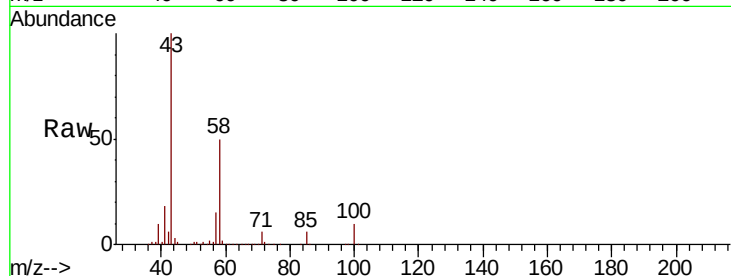
58 50.2 25.1 75.2

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#60

Dibromochloromethane

Concen: 55.400 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.02 min

Lab File: VF061210.D

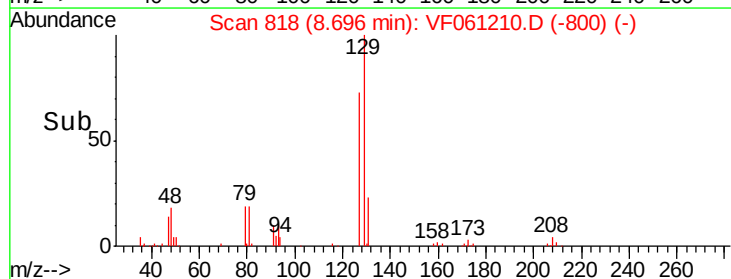
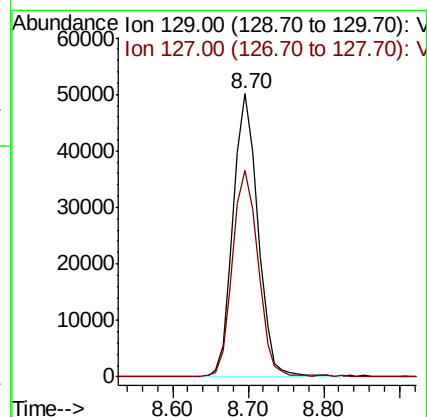
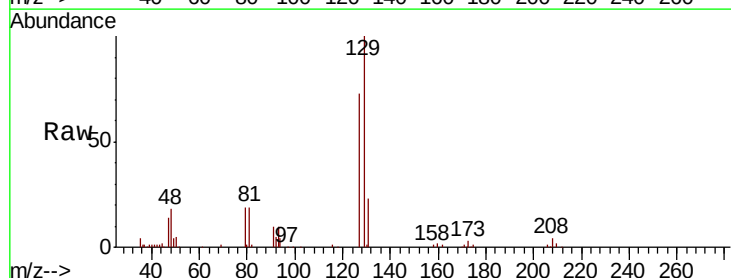
Acq: 27 Dec 2018 16:11

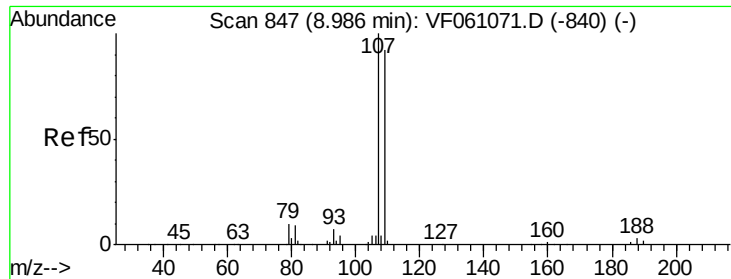
Tgt Ion: 129 Resp: 114216

Ion Ratio Lower Upper

129 100

127 73.1 36.8 110.3





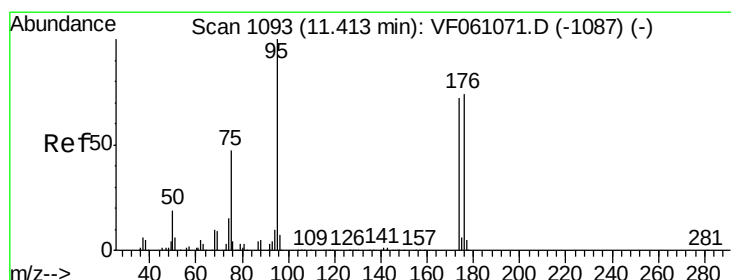
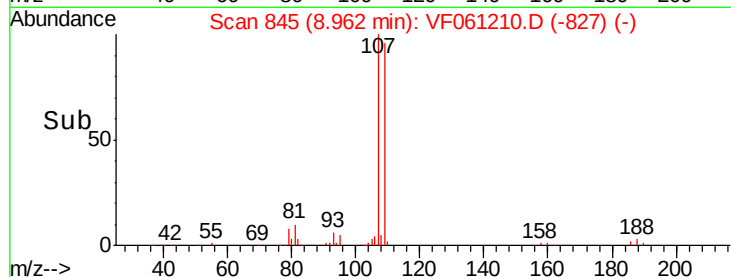
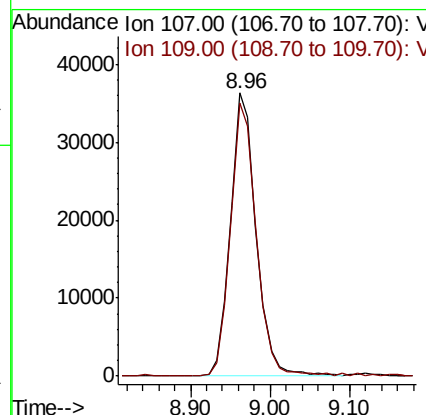
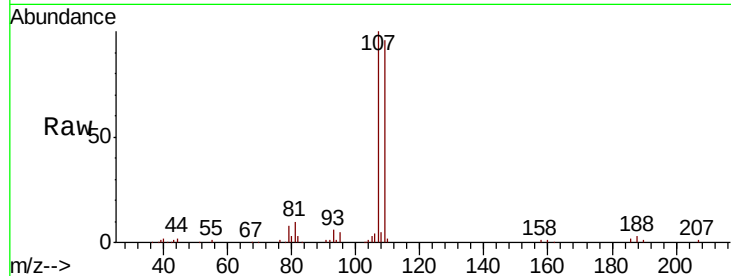
#61
 1,2-Dibromoethane
 Concen: 53.637 ug/l
 RT: 8.96 min Scan# 845
 Delta R.T. -0.02 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion: 107 Resp: 82387
 Ion Ratio Lower Upper
 107 100
 109 96.5 73.7 110.5

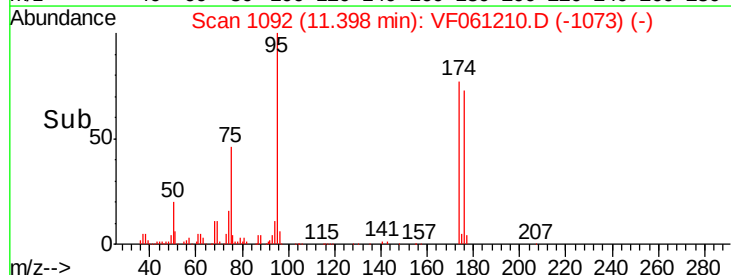
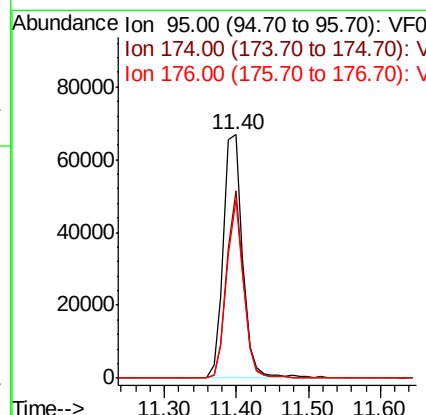
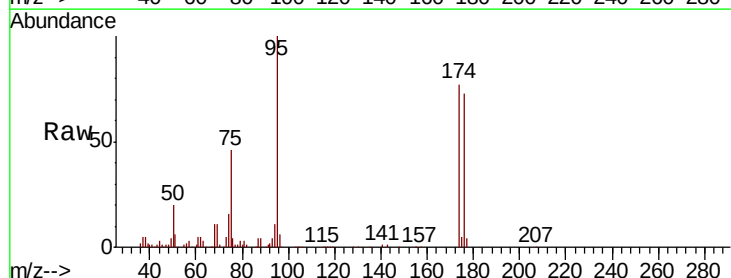
Manual Integrations
 APPROVED

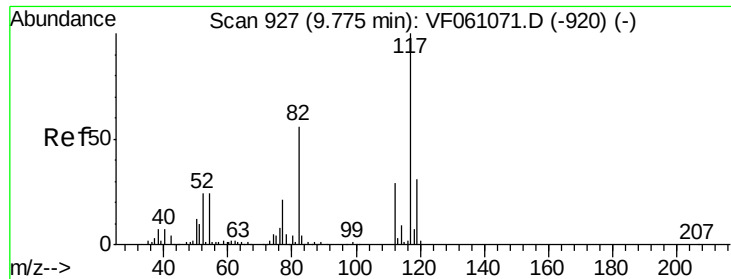
MMDadoda
 12/28/2018 9:38:34 AM



#62
 4-Bromofluorobenzene
 Concen: 42.308 ug/l
 RT: 11.40 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion: 95 Resp: 123624
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 143.8
 176 73.2 0.0 147.6





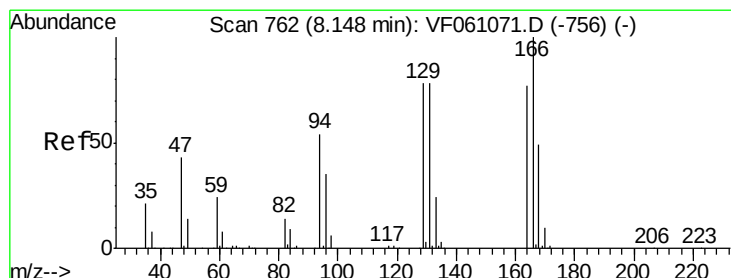
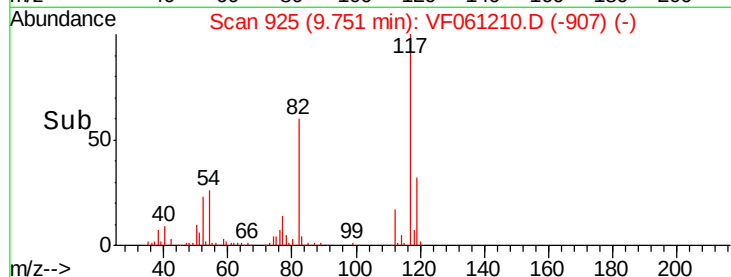
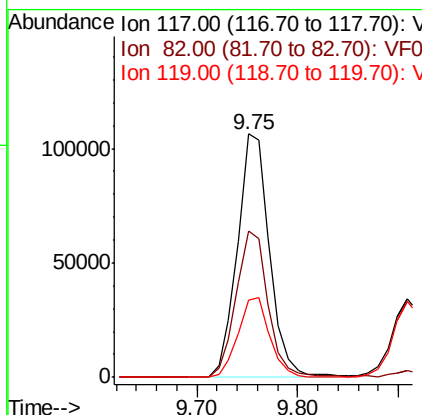
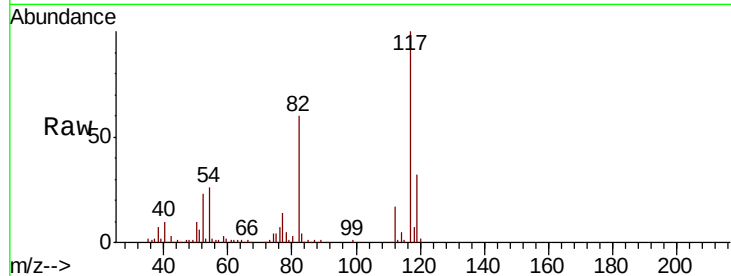
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236707		
82	59.9	45.0	67.4	
119	31.8	24.8	37.2	

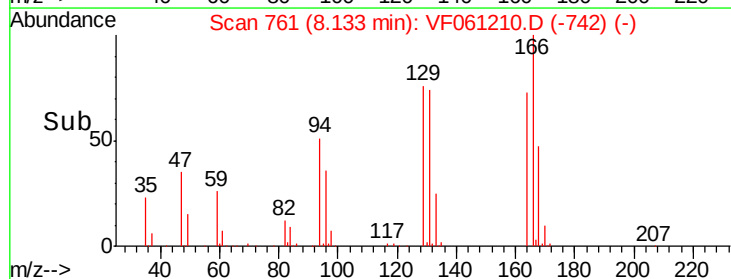
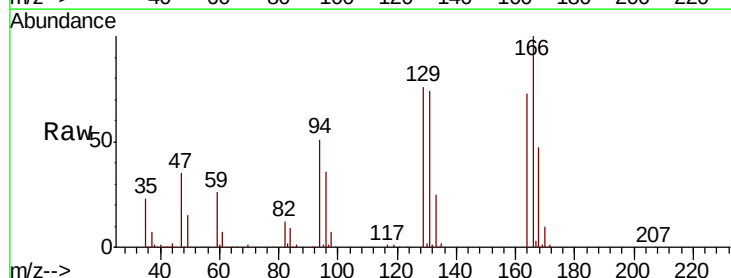
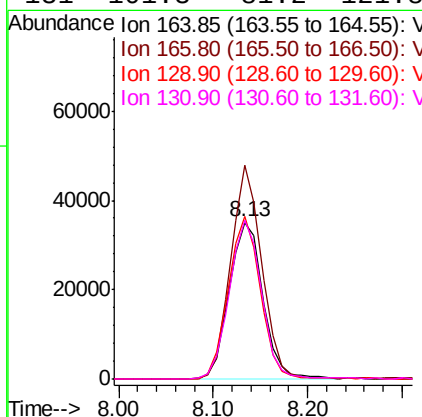
Manual Integrations
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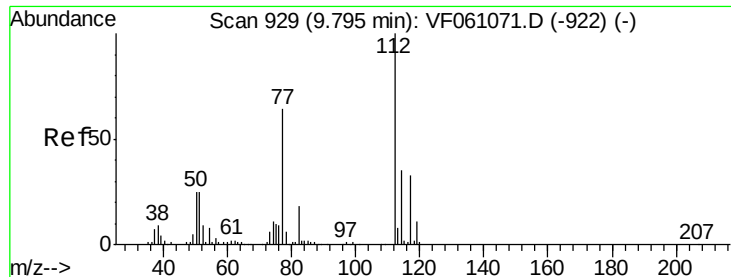
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#64
Tetrachloroethene
Concen: 47.479 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86453		
166	136.3	104.0	156.0	
129	104.1	81.1	121.7	
131	101.3	81.2	121.8	





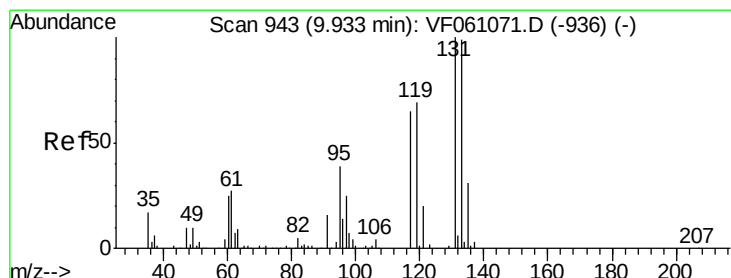
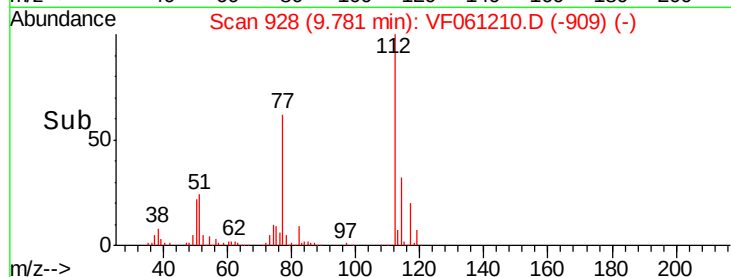
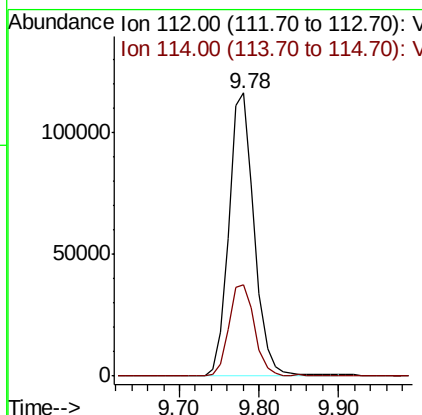
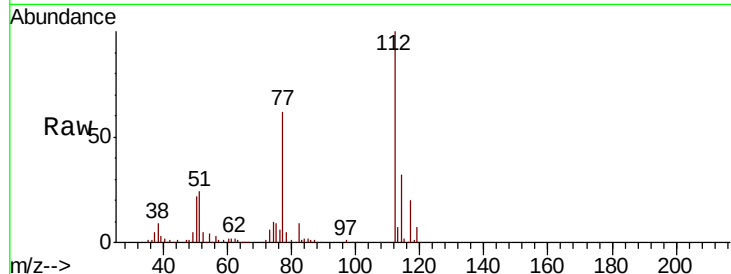
#65
Chlorobenzene
Concen: 53.261 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.8	41.6

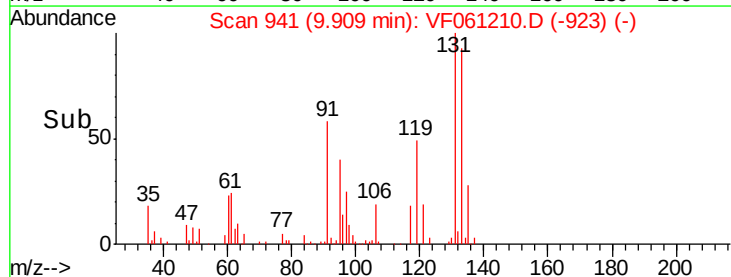
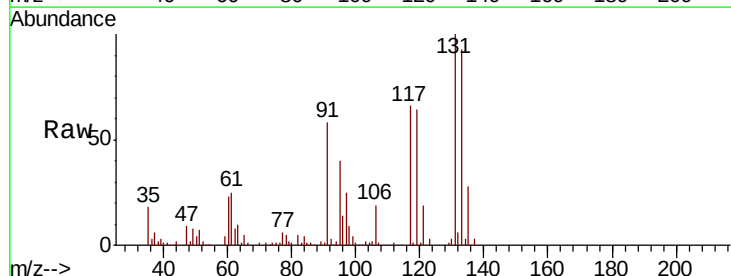
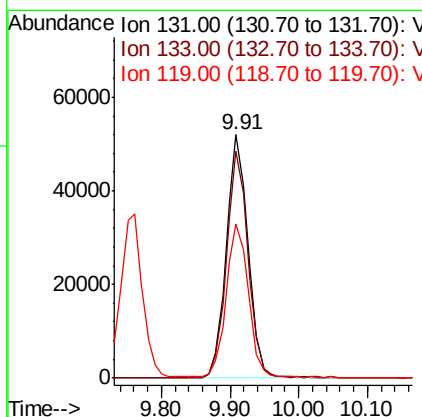
Manual Integrations
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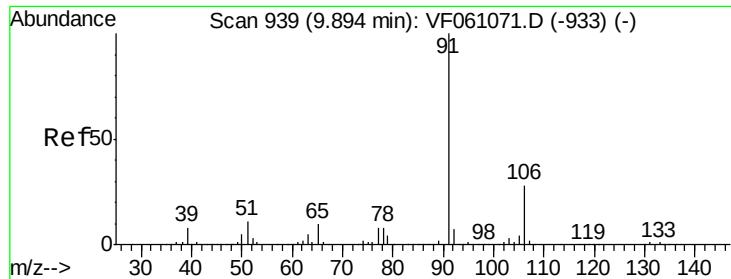
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.819 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	49.5	148.7
119	63.5	34.5	103.5





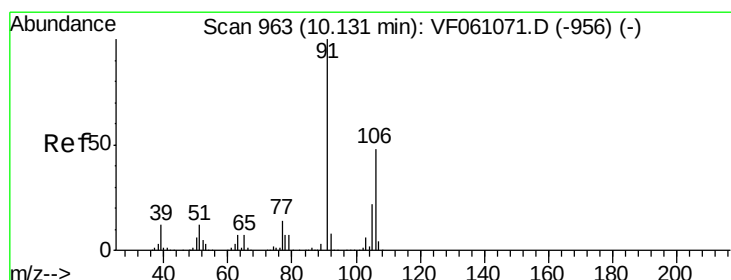
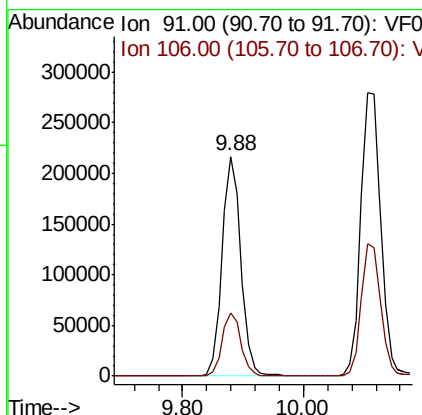
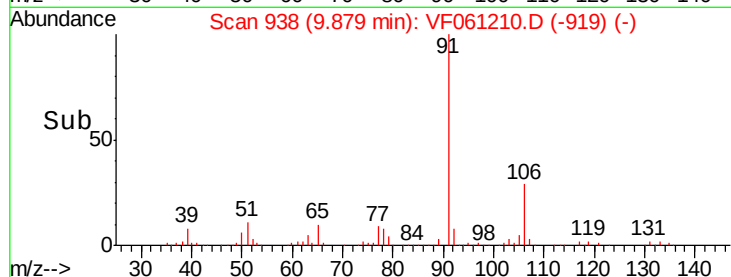
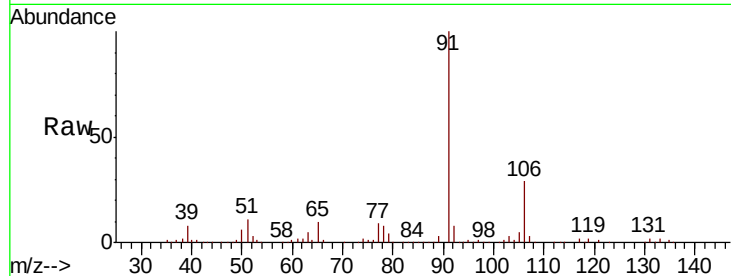
#67
Ethyl Benzene
Concen: 52.613 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion: 91 Resp: 468719
Ion Ratio Lower Upper
91 100
106 28.7 22.5 33.7

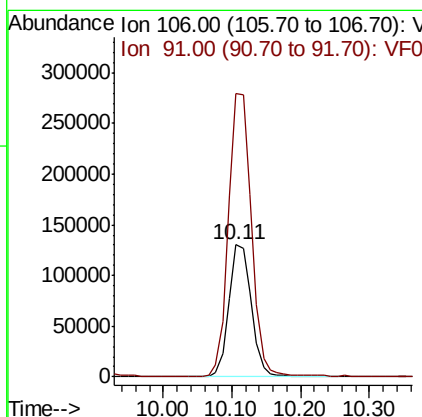
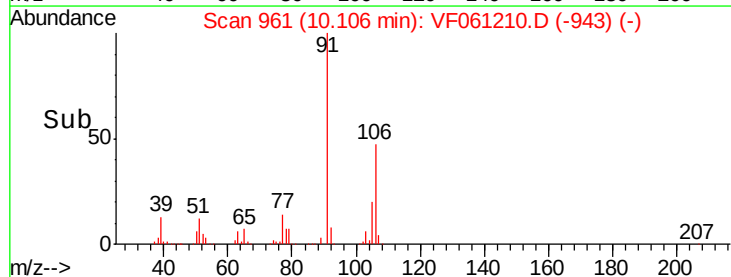
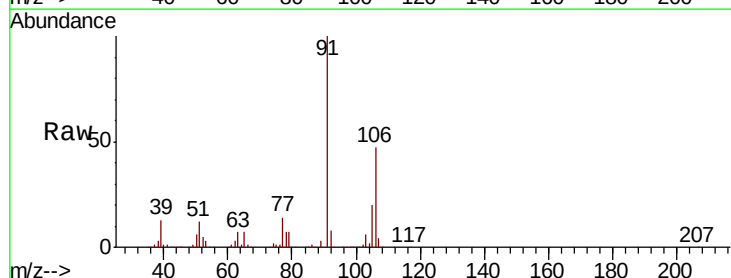
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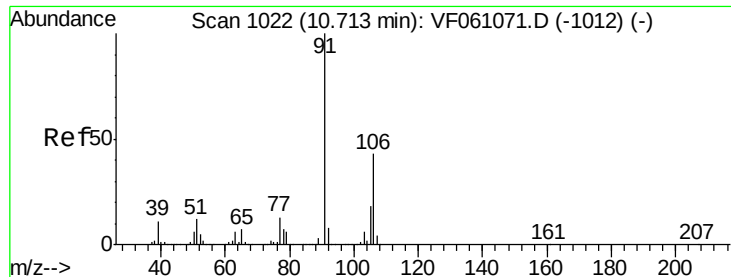
MMDadoda
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#68
m/p-Xylenes
Concen: 94.843 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion: 106 Resp: 297351
Ion Ratio Lower Upper
106 100
91 214.2 168.2 252.2





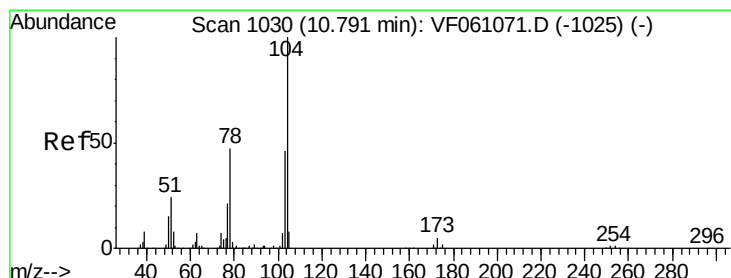
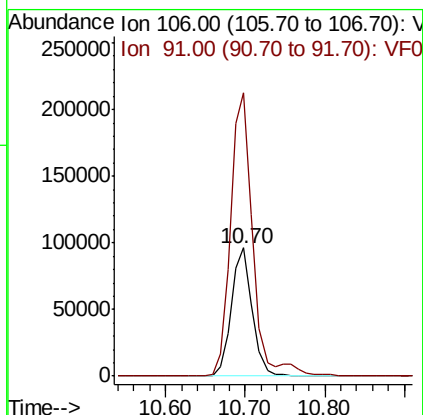
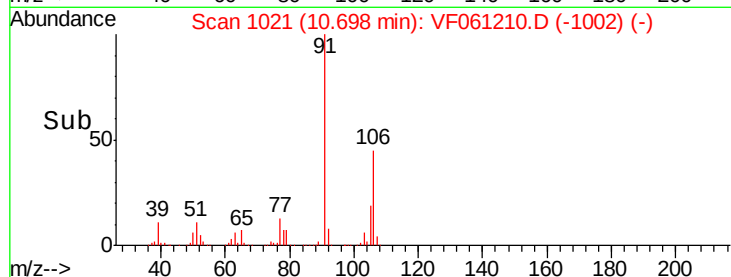
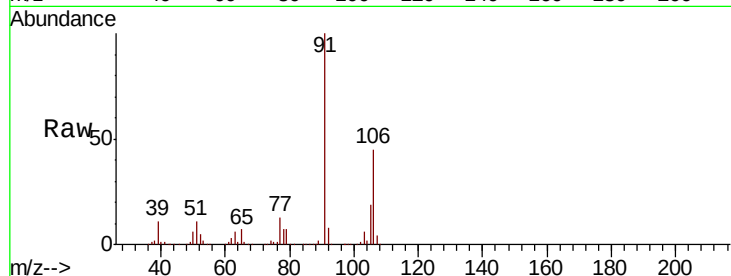
#69
o-Xylene
Concen: 51.142 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion:106 Resp: 177828
Ion Ratio Lower Upper
106 100
91 220.9 115.9 347.7

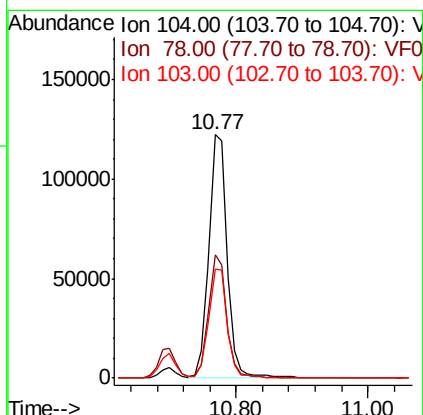
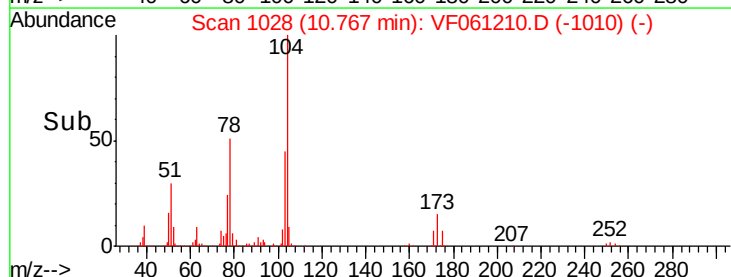
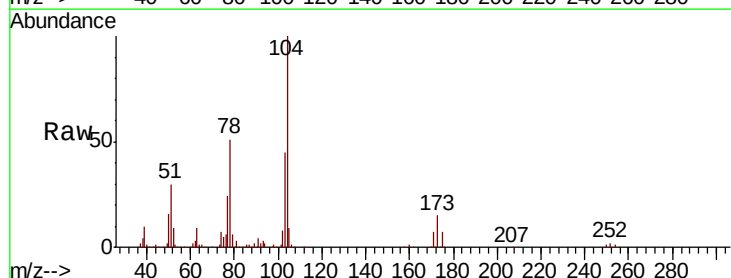
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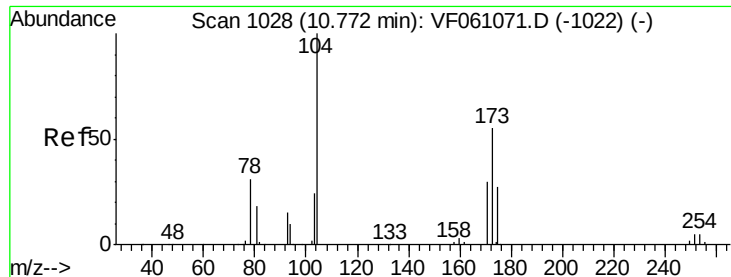
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#70
Styrene
Concen: 54.324 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion:104 Resp: 228384
Ion Ratio Lower Upper
104 100
78 50.6 38.4 57.6
103 44.7 37.0 55.6





#71

Bromoform

Concen: 56.746 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion:173 Resp: 52464

Ion Ratio Lower Upper

173 100

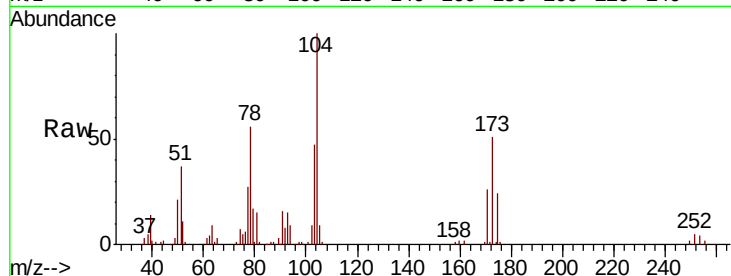
175 48.0 24.8 74.4

254 0.0 0.0 0.0

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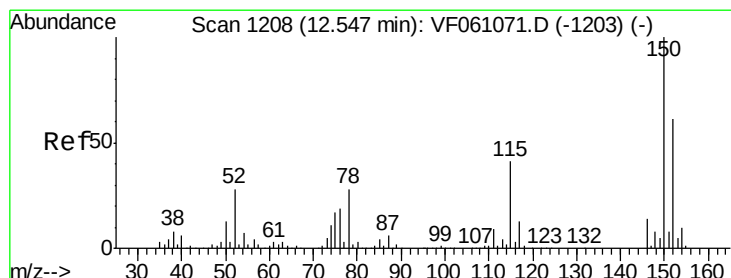
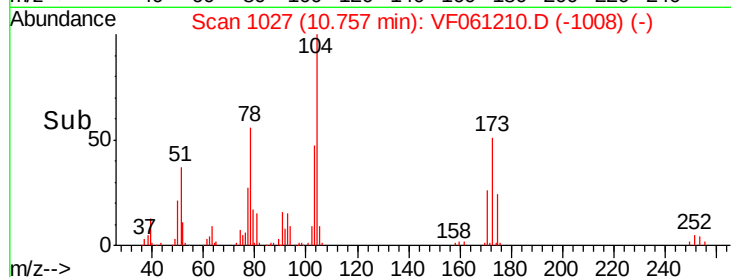
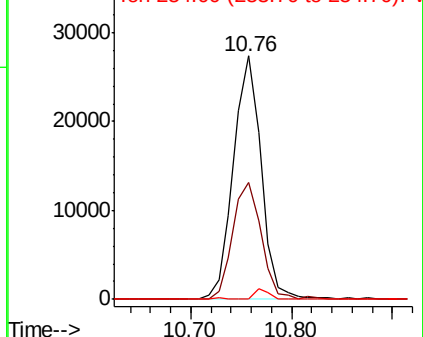
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

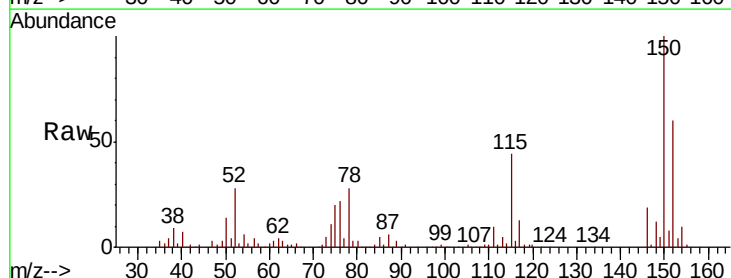
Tgt Ion:152 Resp: 89265

Ion Ratio Lower Upper

152 100

115 72.5 33.3 99.9

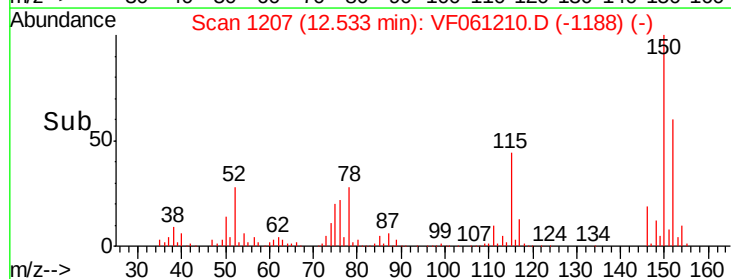
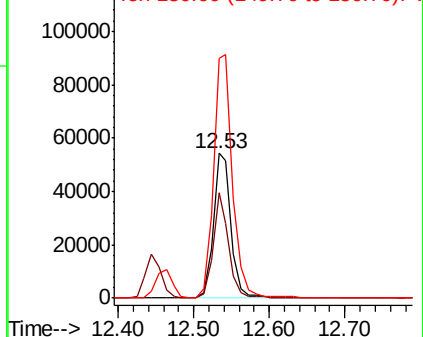
150 166.0 0.0 328.2

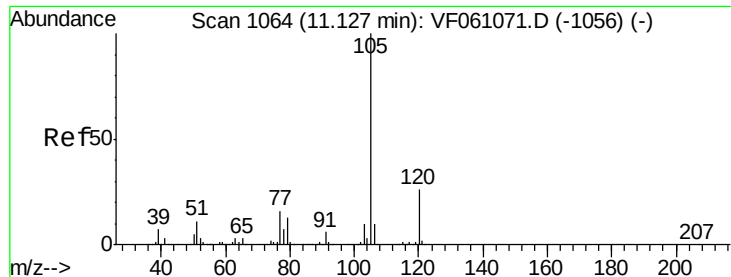


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 60.418 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 105 Resp: 464765

Ion Ratio Lower Upper

105 100

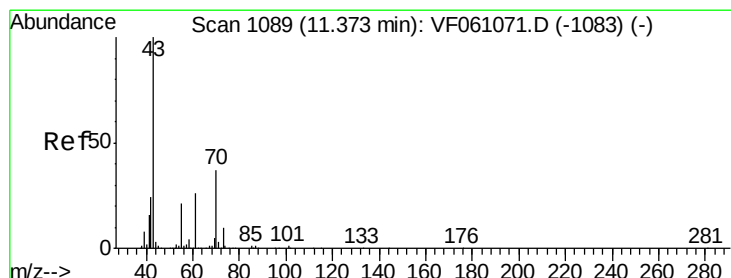
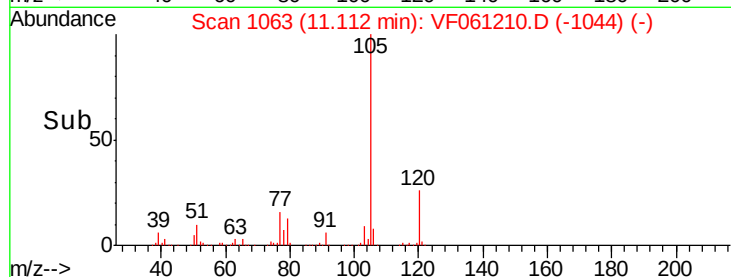
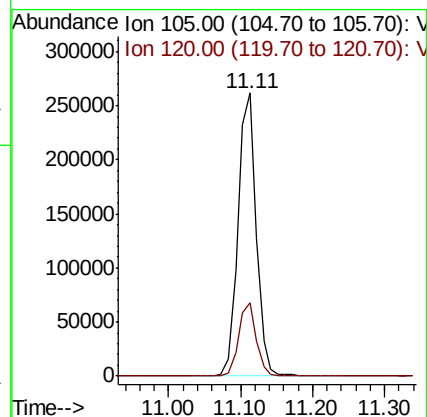
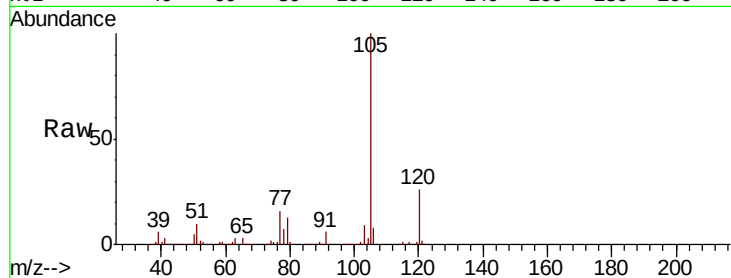
120 25.9 13.0 39.0

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#74

N-ethyl acetate

Concen: 28.351 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion: 43 Resp: 48420

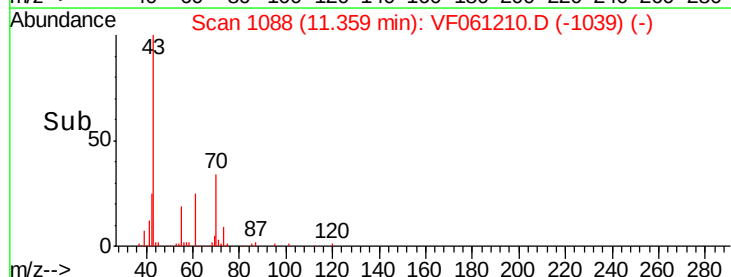
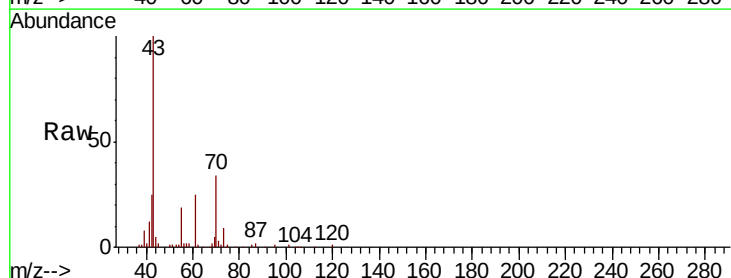
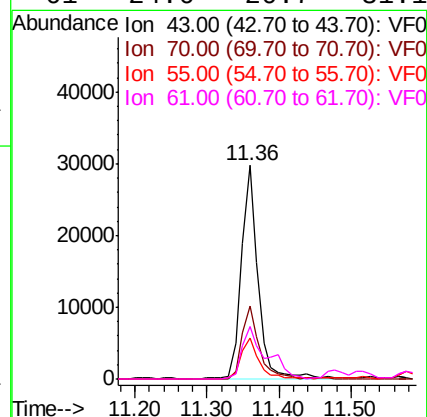
Ion Ratio Lower Upper

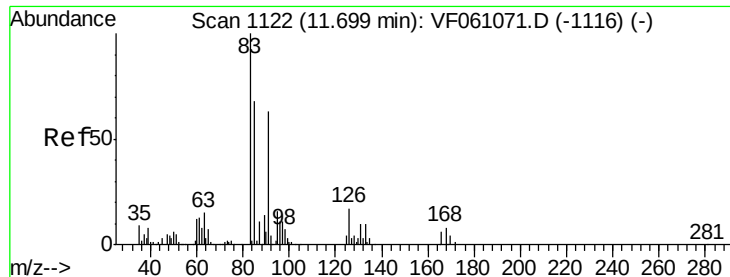
43 100

70 34.4 29.2 43.8

55 19.2 16.5 24.7

61 24.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 82.709 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

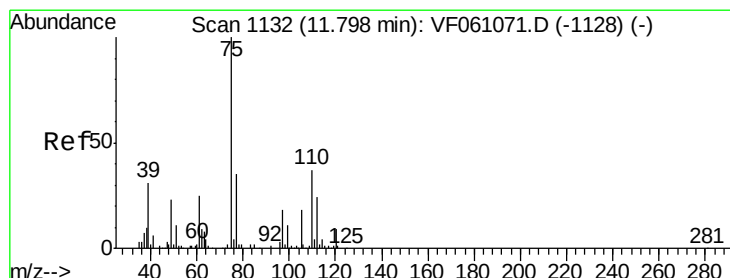
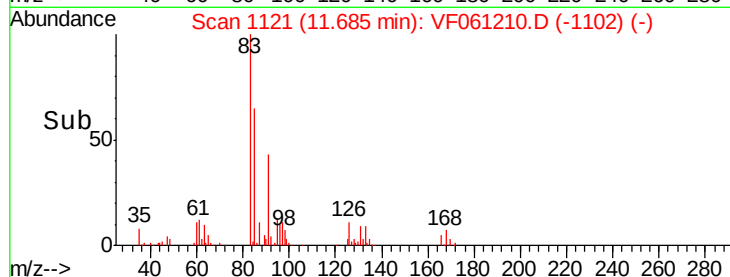
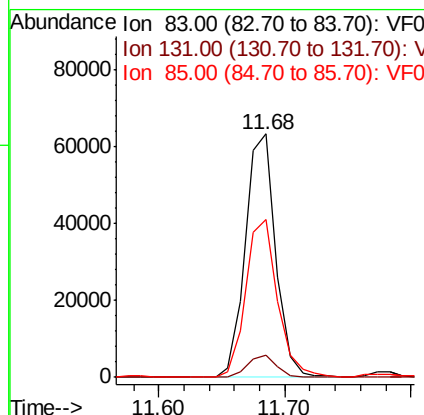
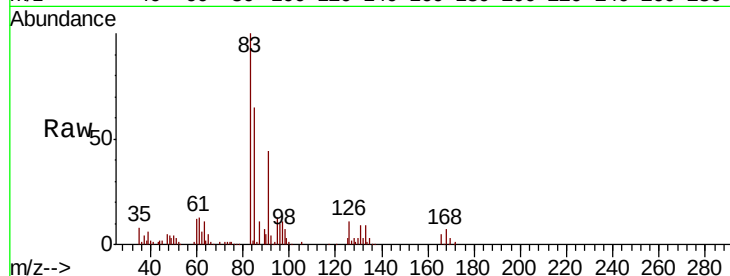
ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion	83	Resp	105594
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.8	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 80.330 ug/l

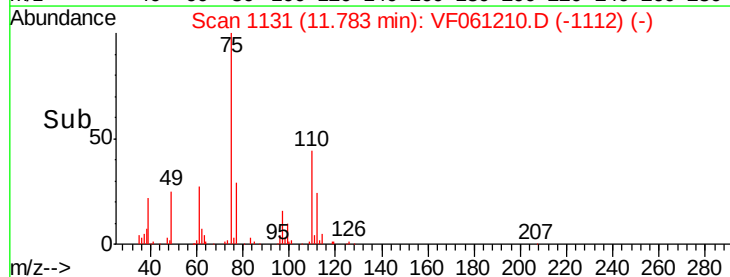
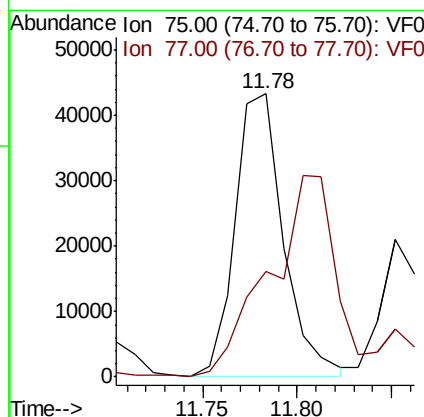
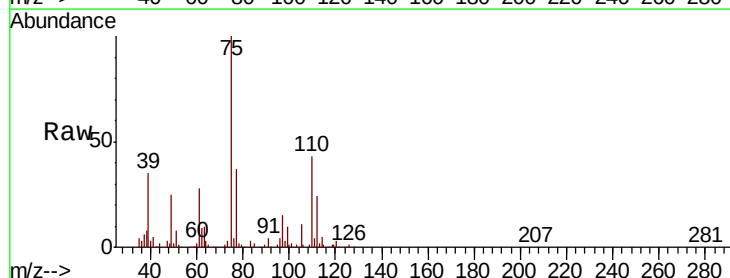
RT: 11.78 min Scan# 1131

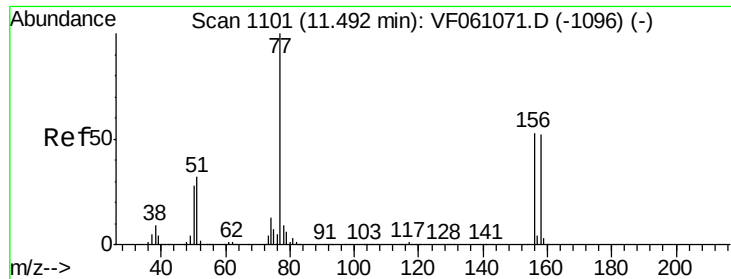
Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Tgt Ion	75	Resp	76322
Ion Ratio	100	Lower	Upper
75	100		
77	37.5	17.6	52.9





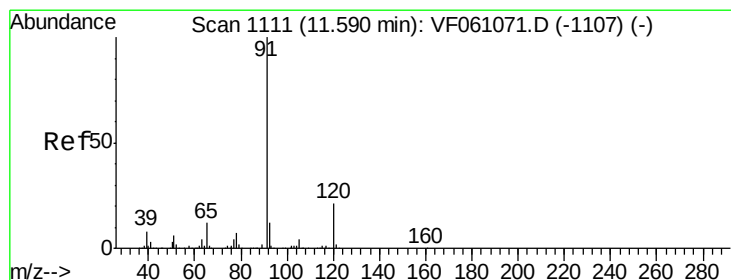
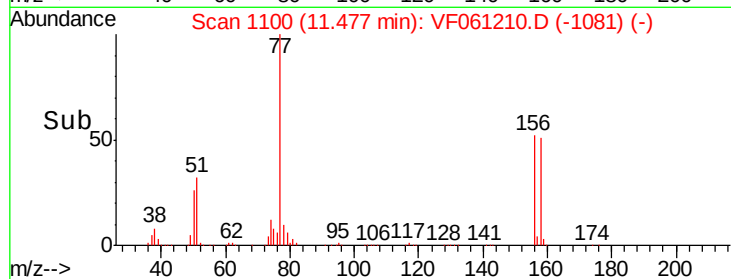
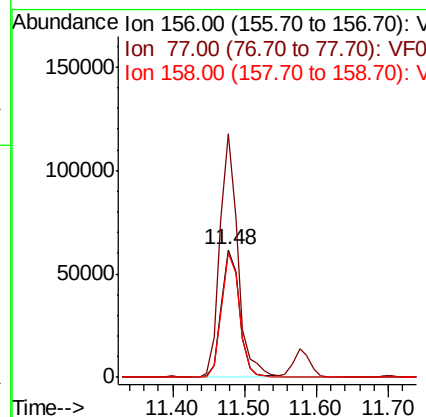
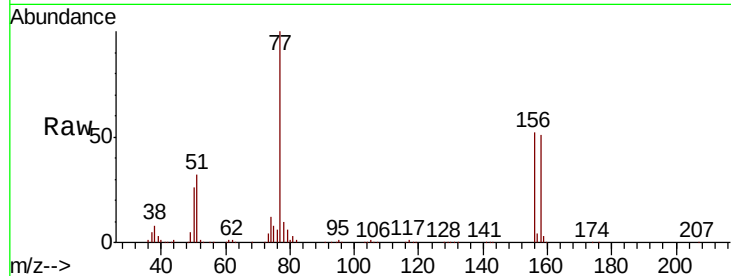
#77
Bromobenzene
Concen: 64.451 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	190.8	93.8	281.4		
158	97.2	48.9	146.8		

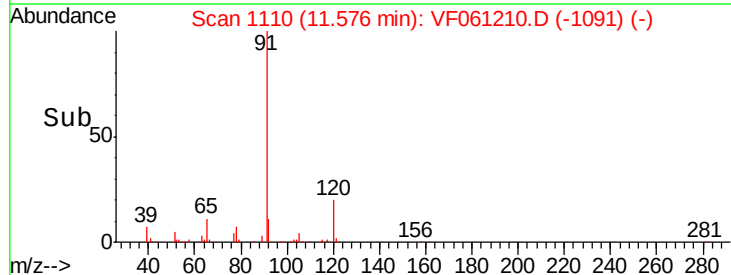
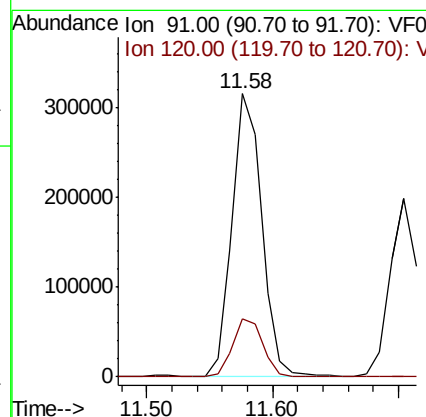
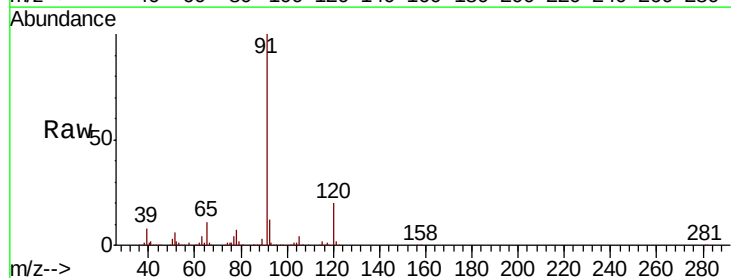
Manual Integrations
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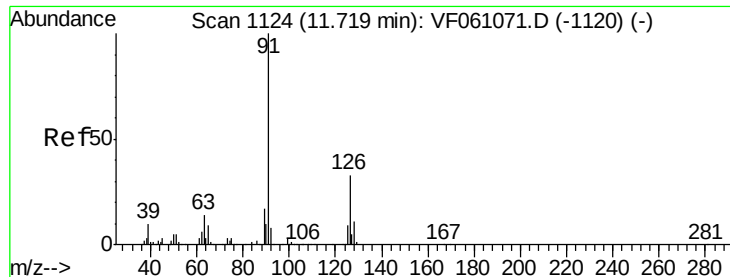
MMDadoda
12/28/2018 9:38:34 AM



#78
n-propylbenzene
Concen: 60.174 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	20.3	10.4	31.2		





#79

2-Chlorotoluene

Concen: 58.588 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 91 Resp: 309170

Ion Ratio Lower Upper

91 100

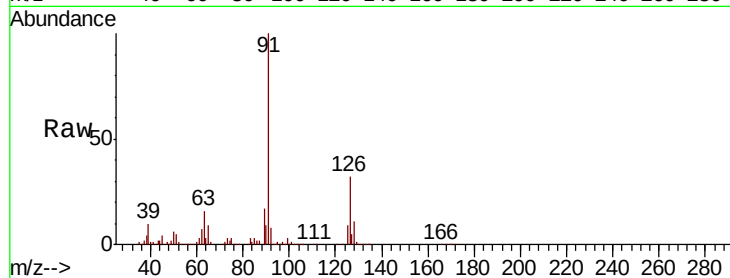
126 31.9 16.4 49.1

Manual Integrations

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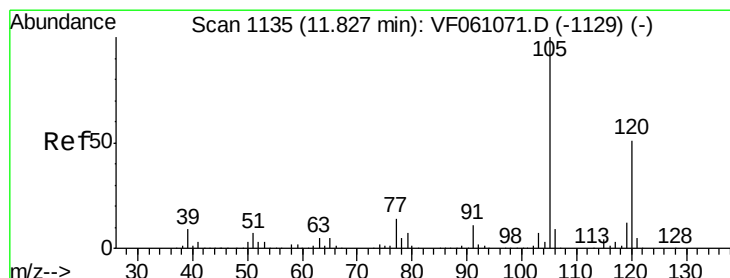
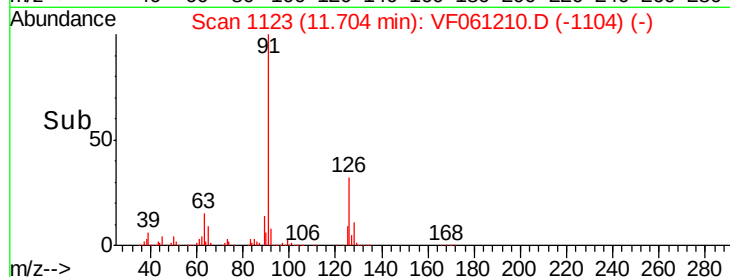
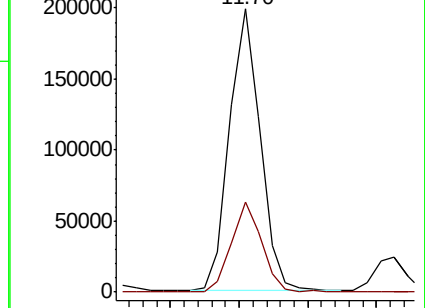
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 56.420 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061210.D

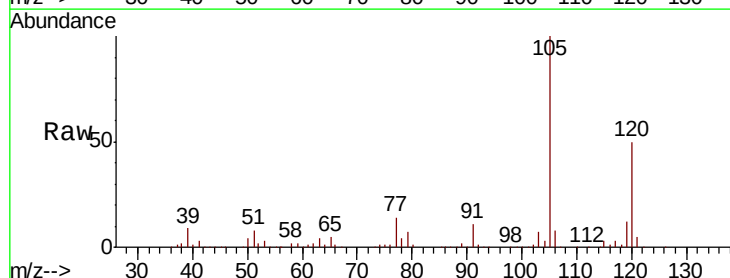
Acq: 27 Dec 2018 16:11

Tgt Ion: 105 Resp: 357369

Ion Ratio Lower Upper

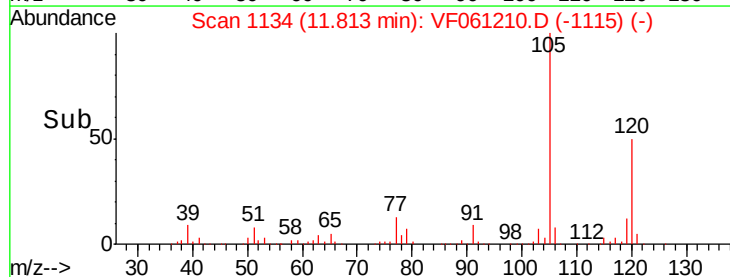
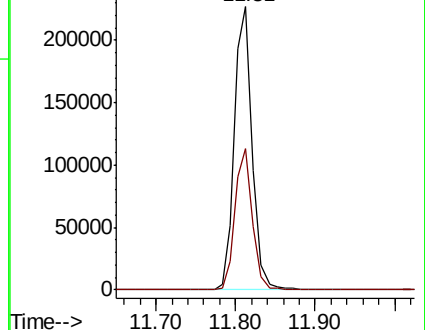
105 100

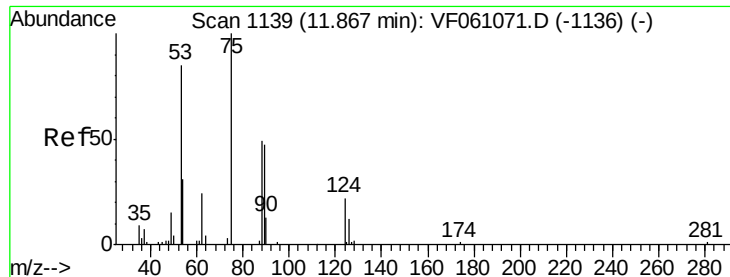
120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.848 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061210.D

Acq: 27 Dec 2018 16:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MSD

Tot Ion: 75 Resp: 31783

Ion Ratio Lower Upper

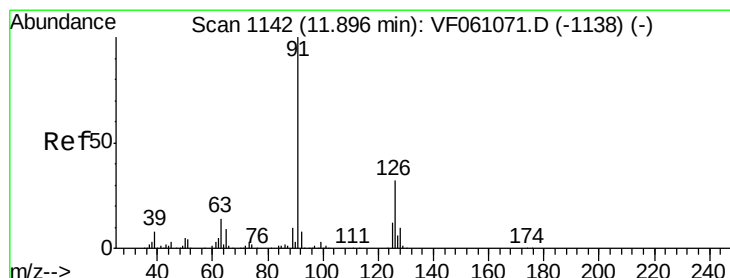
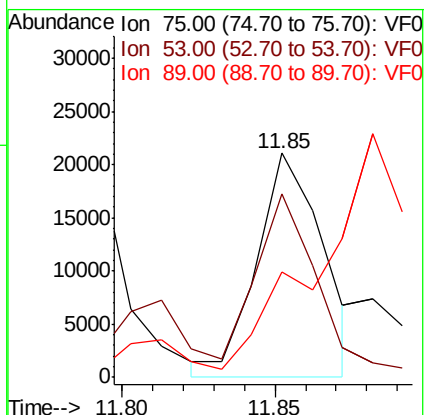
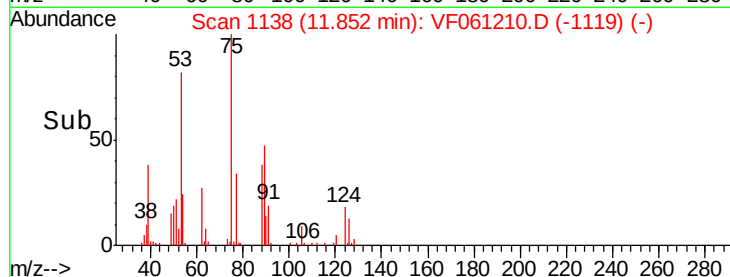
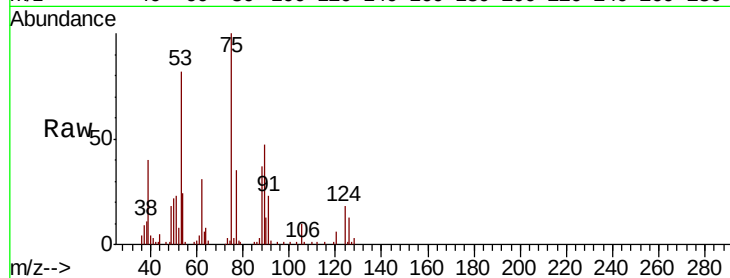
75 100

53 81.6 74.1 111.1

89 47.2 42.6 64.0

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#82

4-Chlorotoluene

Concen: 55.408 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061210.D

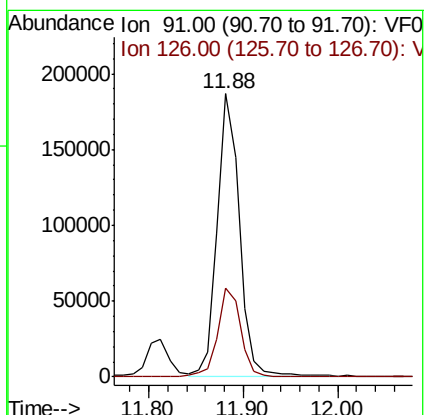
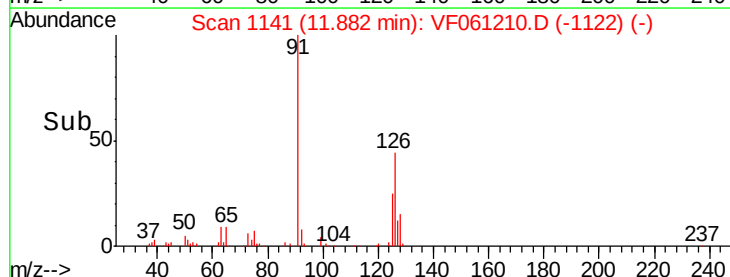
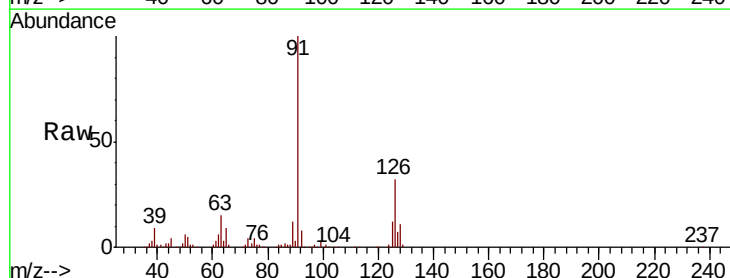
Acq: 27 Dec 2018 16:11

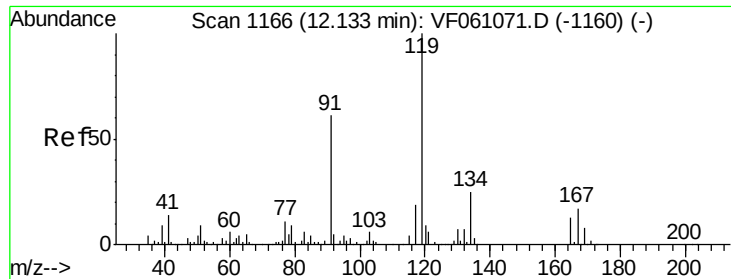
Tgt Ion: 91 Resp: 302466

Ion Ratio Lower Upper

91 100

126 31.6 16.0 47.9





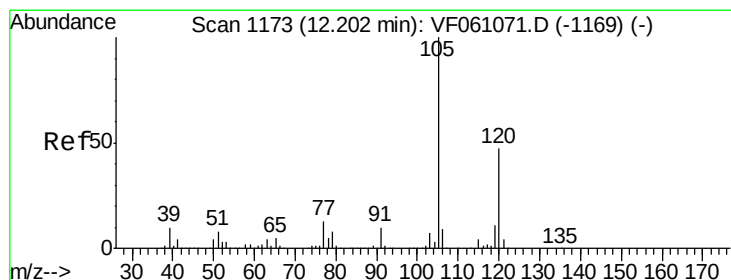
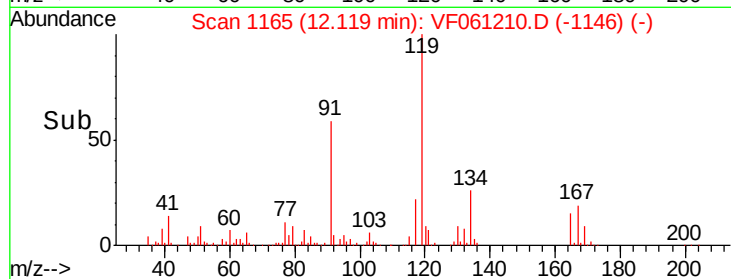
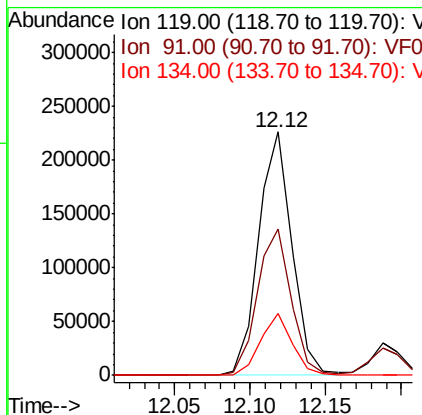
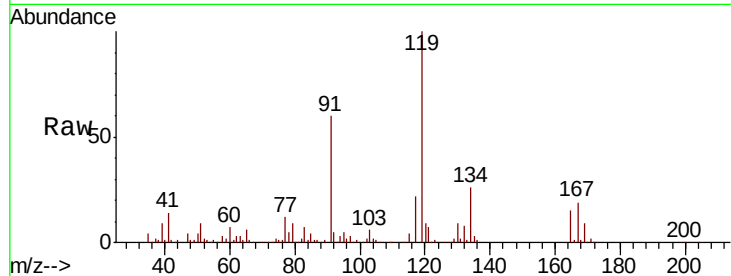
#83
 tert-Butylbenzene
 Concen: 53.538 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	348958		
91	60.4	30.5	91.5	
134	25.5	12.4	37.4	

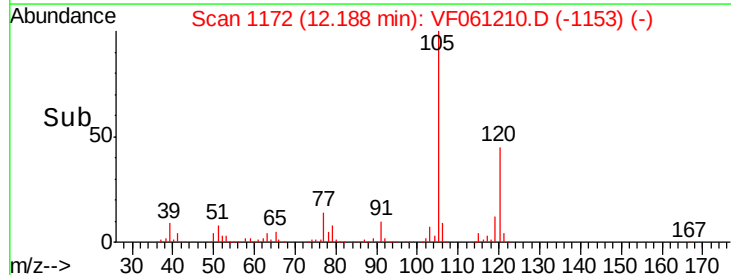
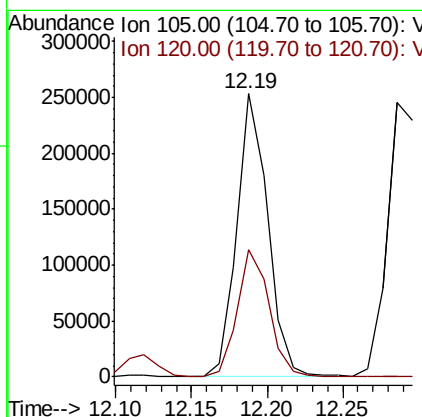
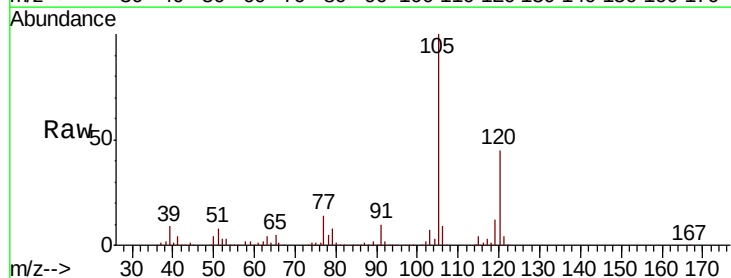
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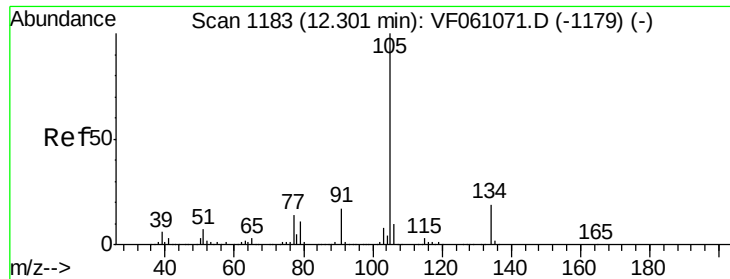
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.823 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	358921		
120	44.8	23.6	71.0	





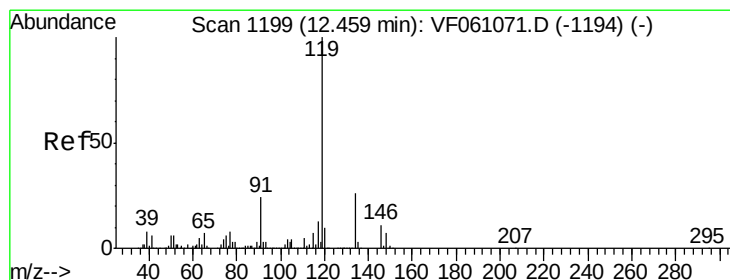
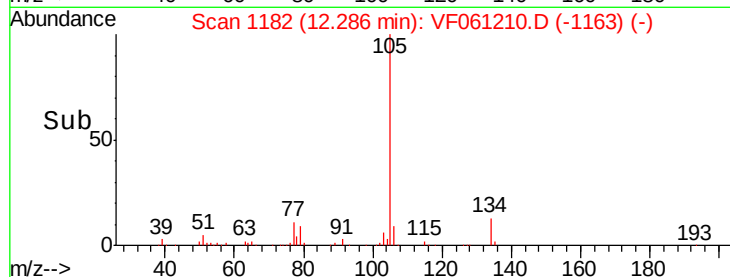
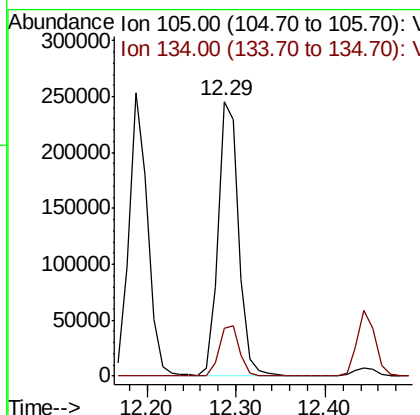
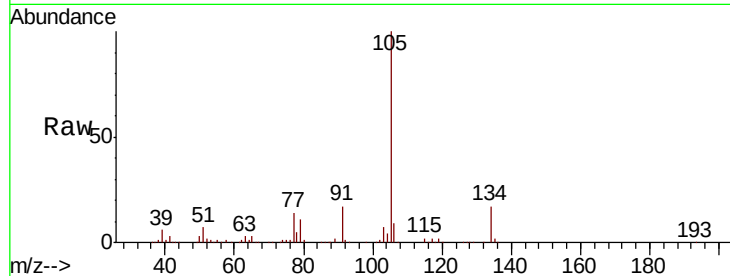
#85
 sec-Butylbenzene
 Concen: 46.955 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.3	9.4	28.2

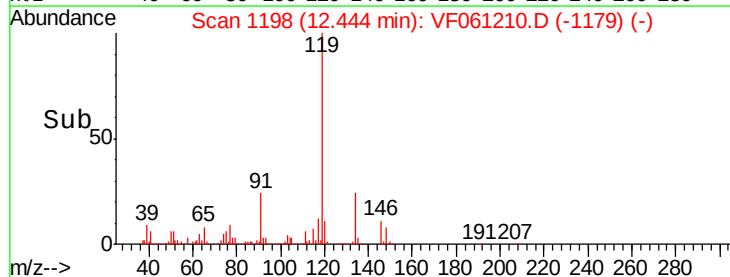
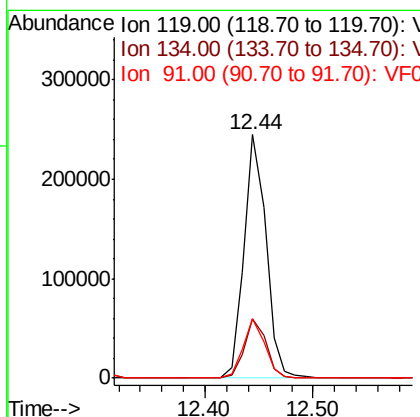
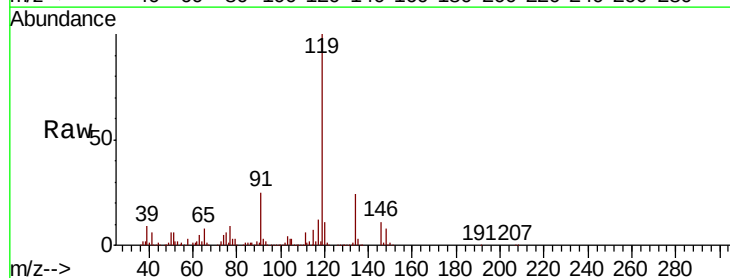
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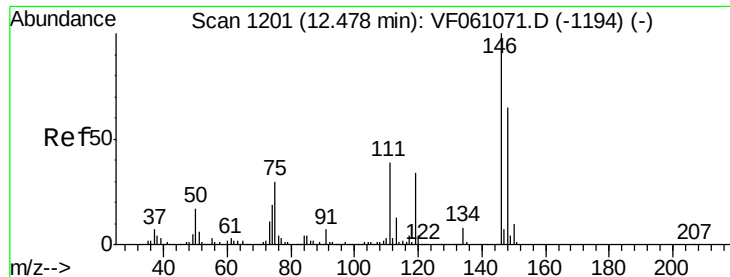
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#86
 p-Isopropyltoluene
 Concen: 48.989 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.8	38.4
91	24.5	12.2	36.6





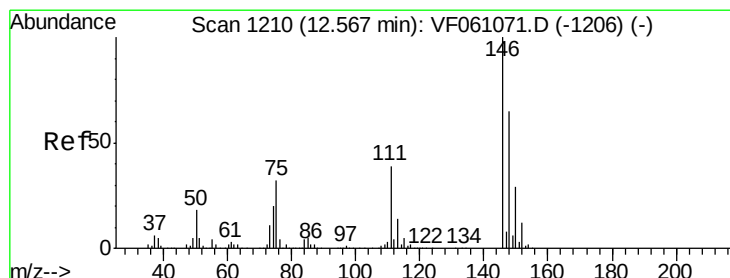
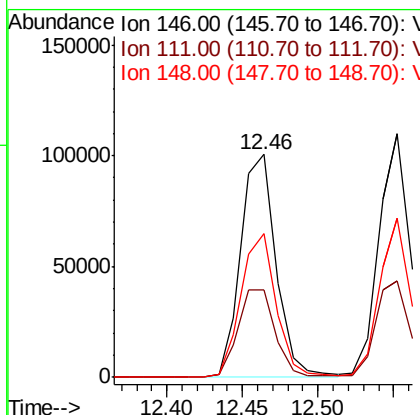
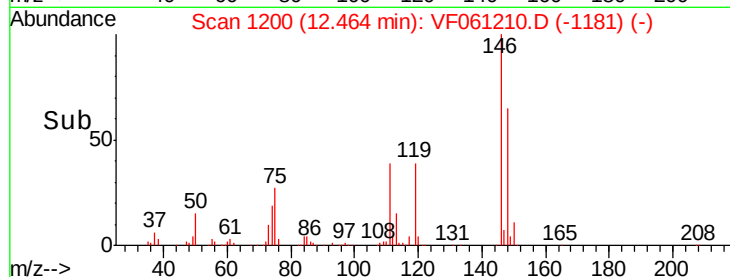
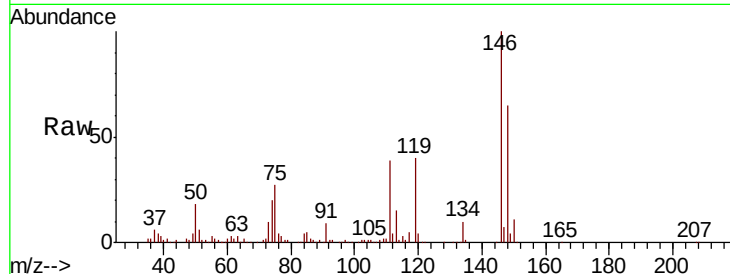
#87
 1,3-Dichlorobenzene
 Concen: 62.205 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	64.5	32.4	97.2

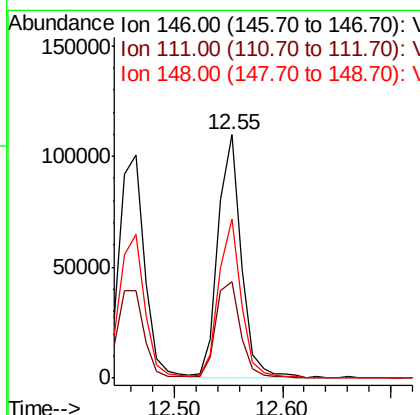
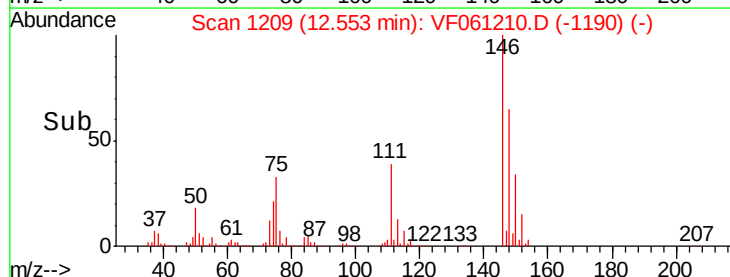
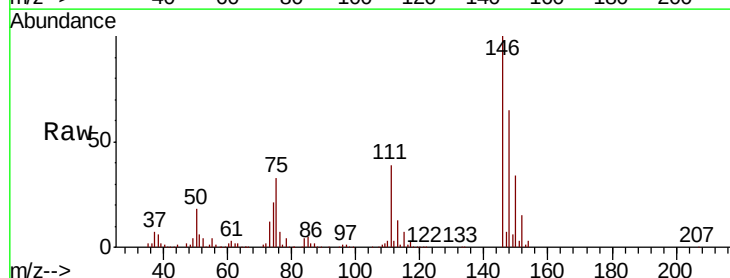
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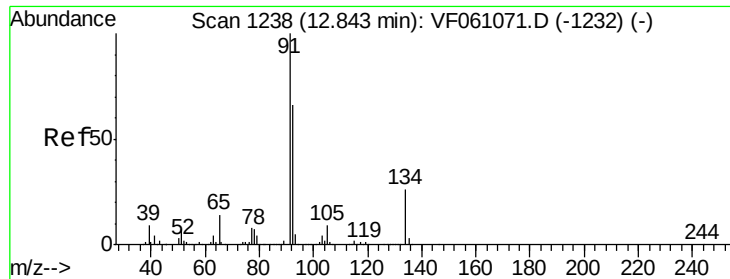
MMDadoda
 12/28/2018 9:38:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.810 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.4
148	65.2	32.4	97.0





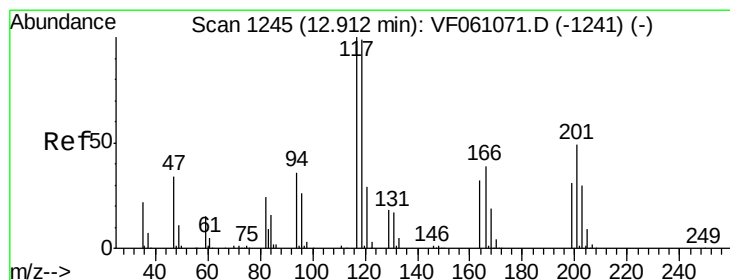
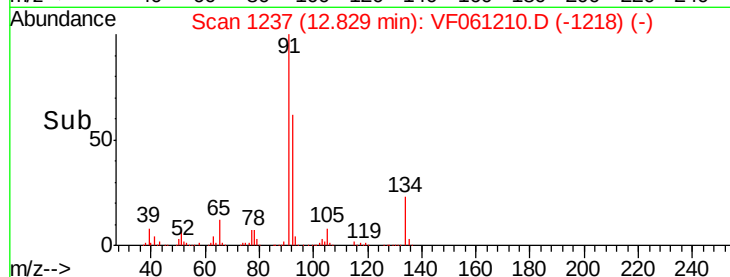
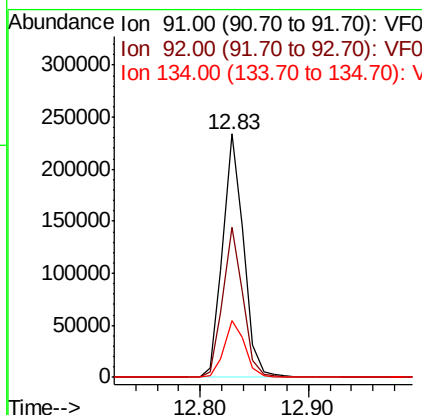
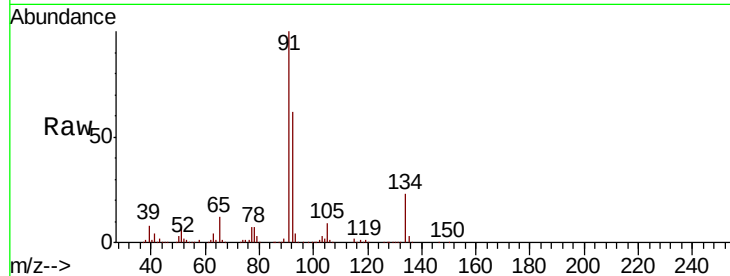
#89
n-Butylbenzene
Concen: 42.638 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.7	32.8	98.4
134	23.3	13.2	39.5

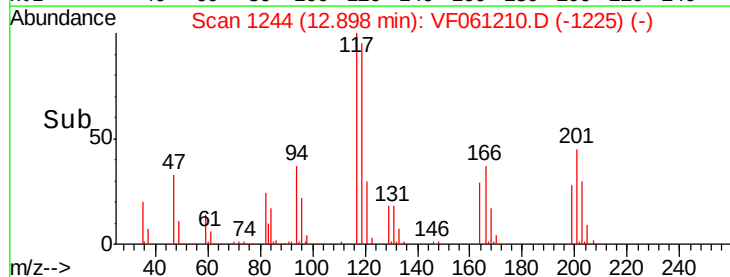
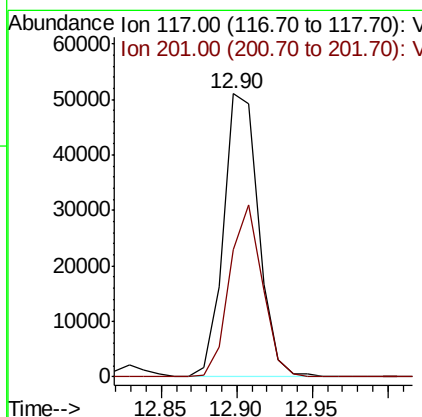
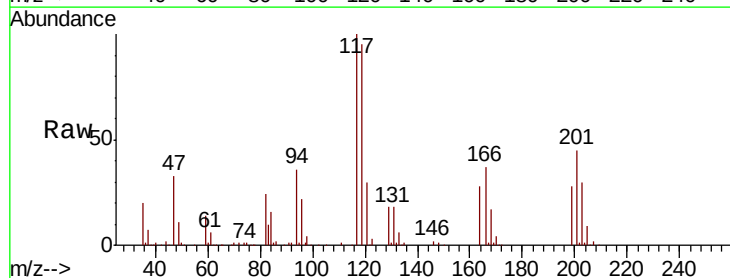
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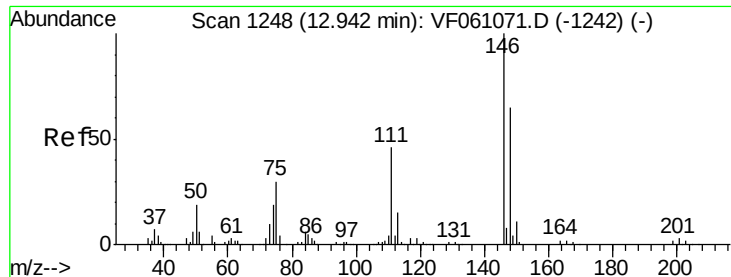
MMDadoda
12/28/2018 9:38:34 AM



#90
Hexachloroethane
Concen: 47.334 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	45.2	24.9	74.8





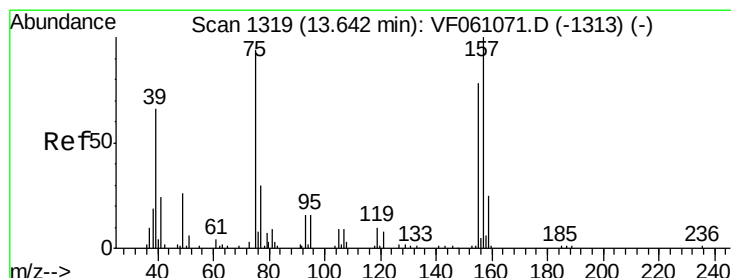
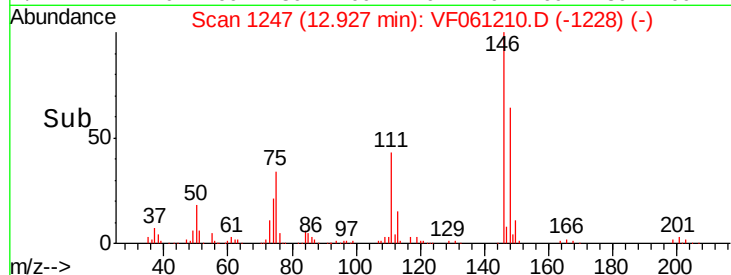
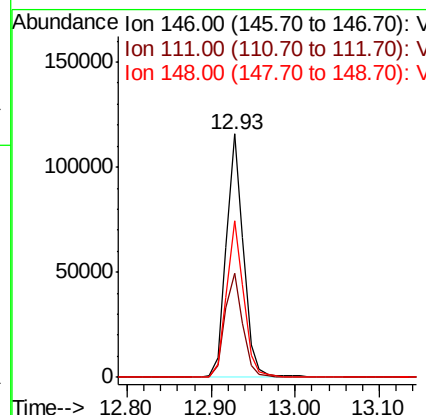
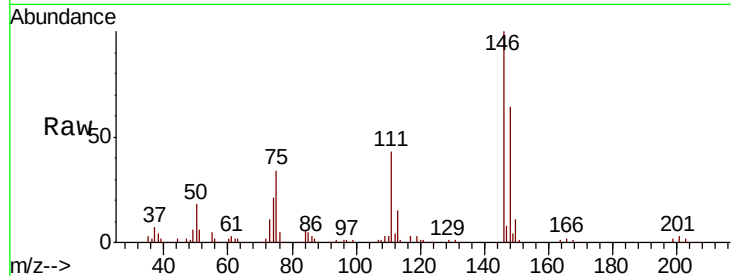
#91
 1,2-Dichlorobenzene
 Concen: 55.806 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	23.2	69.5
148	64.2	32.4	97.0

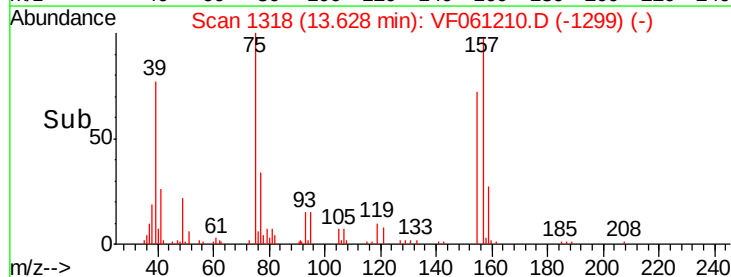
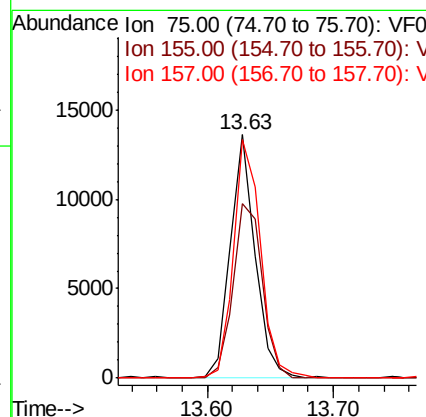
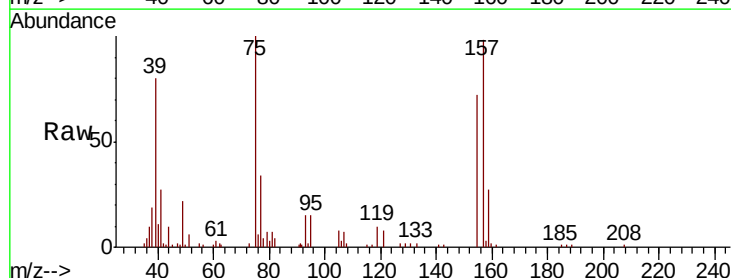
Manual Integrations
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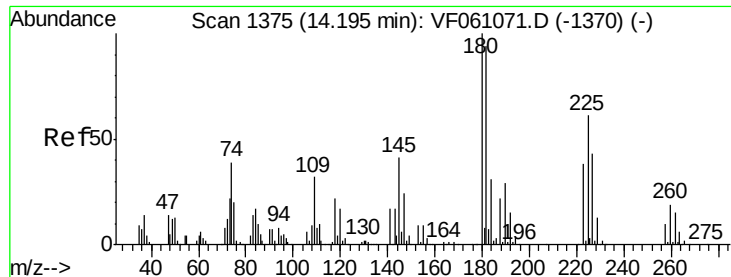
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.907 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	41.5	124.5
157	98.2	53.2	159.6





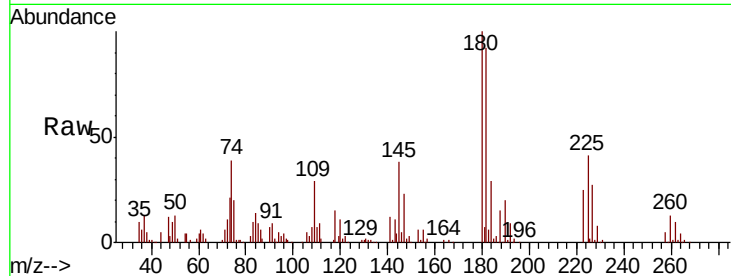
#93
 1,2,4-Trichlorobenzene
 Concen: 37.435 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	46.9	140.6
145	37.6	20.5	61.6

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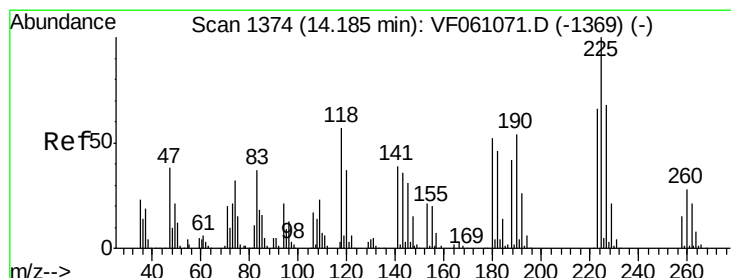
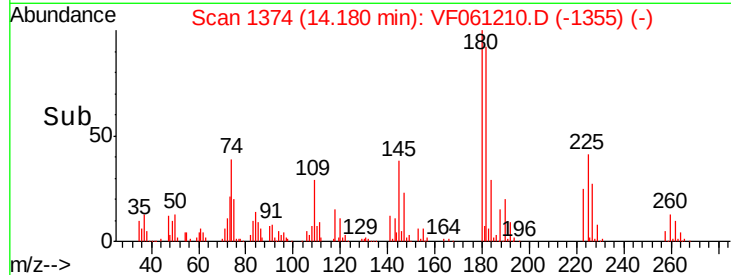
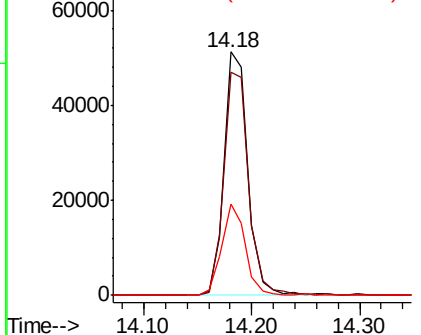


Abundance

Ion 180.00 (179.70 to 180.70): V

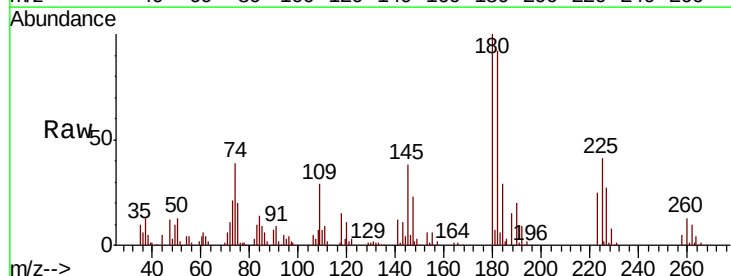
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 24.133 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061210.D
 Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.8	98.3
227	66.0	34.0	101.8

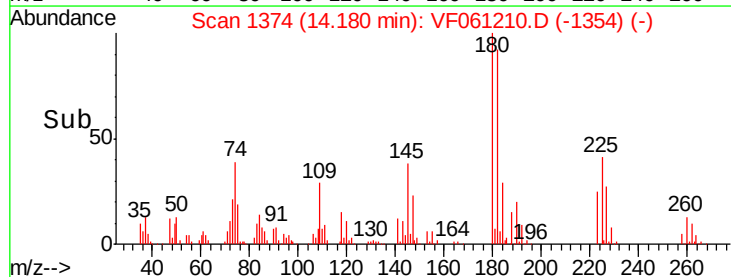
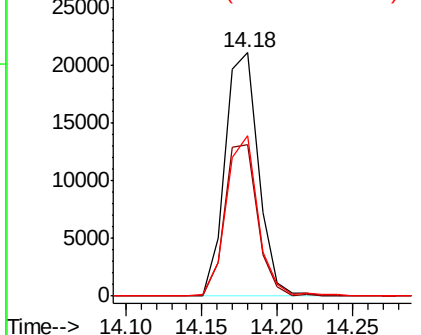


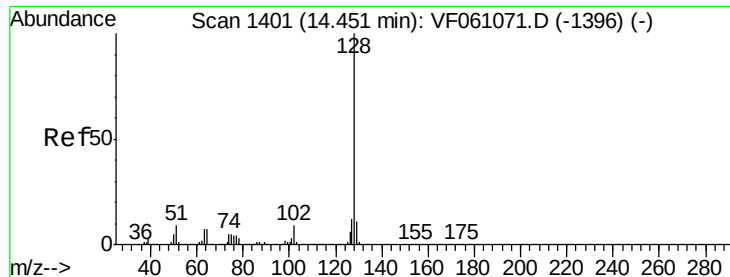
Abundance

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





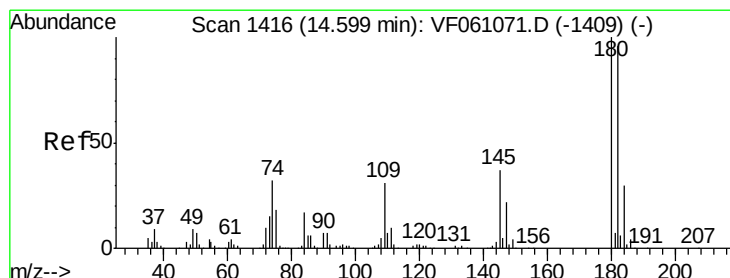
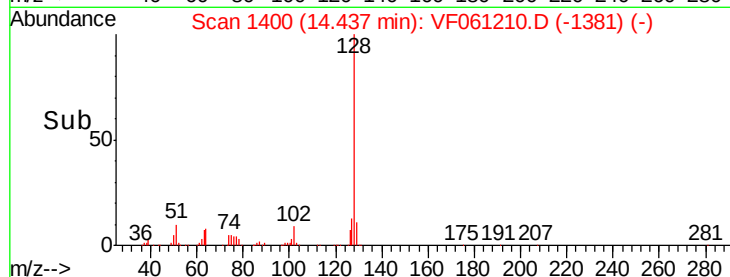
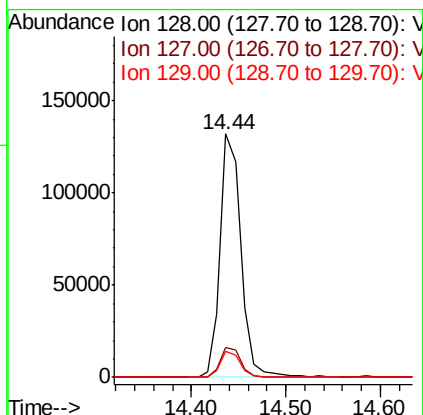
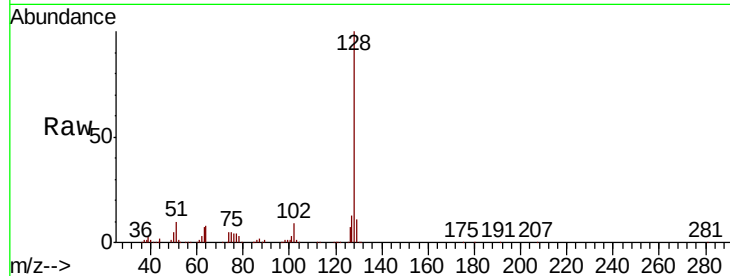
#95
Naphthalene
Concen: 52.496 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	201255		
127	12.5		9.4	14.2
129	10.6		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/28/2018 9:38:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 32.907 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061210.D
Acq: 27 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63868		
182	96.2		47.9	143.8
145	36.6		18.6	55.8

