

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061137.D
 Acq On : 21 Dec 2018 20:34
 Operator : VA/AP
 Sample : J6377-17MS
 Misc : 4.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:51:41 AM

Quant Time: Dec 22 00:22:12 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	4.92	168	94607	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.64	114	167305	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.82	117	125413	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.58	152	38784	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	67272	55.29	ug/l	0.04
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	4.15	113	69745	52.04	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	7.59	98	185449	48.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.44	95	60169	34.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	68.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	102994	48.974	ug/l	98
3) Chloromethane	1.12	50	64684	53.695	ug/l	99
4) Vinyl Chloride	1.15	62	59433	53.183	ug/l	88
5) Bromomethane	1.37	94	39377	50.802	ug/l	97
6) Chloroethane	1.41	64	29183	56.674	ug/l #	87
7) Trichlorofluoromethane	1.50	101	103729	48.613	ug/l	98
8) Diethyl Ether	1.65	74	16040	54.895	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	48818	44.126	ug/l	95
10) Methyl Iodide	1.94	142	81550m	46.762	ug/l	
11) Tert butyl alcohol	2.61	59	17601	358.449	ug/l	94
12) 1,1-Dichloroethene	1.82	96	42713	51.217	ug/l	94
13) Acrolein	2.03	56	4093	115.355	ug/l	89
14) Allyl chloride	2.12	41	30765	35.449	ug/l	94
15) Acrylonitrile	2.97	53	39115	344.486	ug/l	92
16) Acetone	2.26	43	60096	247.051	ug/l	95
17) Carbon Disulfide	1.87	76	117970m	46.809	ug/l	
18) Methyl Acetate	2.37	43	95840	190.434	ug/l	93
19) Methyl tert-butyl Ether	2.46	73	102152	55.185	ug/l	99
20) Methylene Chloride	2.28	84	44336m	57.731	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	42633m	47.797	ug/l	
22) Diisopropyl ether	2.84	45	164466	56.891	ug/l	97
23) Vinyl Acetate	3.22	43	15492m	11.616	ug/l	
24) 1,1-Dichloroethane	2.90	63	85888	50.144	ug/l	99
25) 2-Butanone	4.38	43	126689	321.130	ug/l	96
26) 2,2-Dichloropropane	3.64	77	53290	54.214	ug/l	97
27) cis-1,2-Dichloroethene	3.51	96	72846	53.346	ug/l	95
28) Bromochloromethane	3.75	49	48037	55.273	ug/l	86
29) Tetrahydrofuran	4.13	42	56567	352.289	ug/l	98
30) Chloroform	3.90	83	137875	53.684	ug/l	100
31) Cyclohexane	3.72	56	76390m	42.980	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	81794	53.134	ug/l	96
36) 1,1-Dichloropropene	4.32	75	92281	45.695	ug/l	96
37) Ethyl Acetate	4.17	43	48022	64.393	ug/l #	74
38) Carbon Tetrachloride	4.03	117	73065	47.509	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	59441	32.809	ug/l	98
40) Benzene	4.68	78	255446	58.819	ug/l	92
41) Methacrylonitrile	4.79	41	28021	65.701	ug/l	91
42) 1,2-Dichloroethane	4.99	62	88322	53.535	ug/l	99
43) Isopropyl Acetate	7.00	43	53213m	54.571	ug/l	
44) Trichloroethene	5.55	130	68397	49.954	ug/l	100
45) 1,2-Dichloropropane	6.28	63	59732	50.553	ug/l	91
46) Dibromomethane	6.13	93	42418	55.351	ug/l	97
47) Bromodichloromethane	6.43	83	95175	47.799	ug/l	96
48) Methyl methacrylate	6.75	41	47548	69.848	ug/l	95
49) 1,4-Dioxane	6.75	88	8370	1694.549	ug/l	98
51) 4-Methyl-2-Pentanone	8.30	43	220193	329.260	ug/l	99
52) Toluene	7.66	92	138385	48.137	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	77570	48.291	ug/l	96
54) cis-1,3-Dichloropropene	7.34	75	95756	47.498	ug/l	99
55) 1,1,2-Trichloroethane	8.54	97	45325	52.592	ug/l	95
56) Ethyl methacrylate	8.67	69	44167	47.361	ug/l	97
57) 1,3-Dichloropropane	8.89	76	79968	51.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.33	63	27967	156.150	ug/l	96
59) 2-Hexanone	9.53	43	144432	298.644	ug/l	99
60) Dibromochloromethane	8.75	129	59303	48.004	ug/l	96
61) 1,2-Dibromoethane	9.03	107	49220	53.476	ug/l	98
64) Tetrachloroethene	8.19	164	44796	46.433	ug/l	94
65) Chlorobenzene	9.84	112	134537	51.928	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.97	131	59427	56.128	ug/l	91
67) Ethyl Benzene	9.94	91	237775	50.375	ug/l	98
68) m/p-Xylenes	10.18	106	156722	94.348	ug/l	97
69) o-Xylene	10.75	106	88062	47.801	ug/l	99
70) Styrene	10.83	104	109465	48.628	ug/l	96
71) Bromoform	10.81	173	28621	58.429	ug/l	99
73) Isopropylbenzene	11.15	105	225880	67.584	ug/l	94
74) N-amyl acetate	11.40	43	52348	70.547	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.72	83	58763	105.937	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	43841	106.203	ug/l	93
77) Bromobenzene	11.53	156	47984	66.694	ug/l	97
78) n-propylbenzene	11.63	91	225141	61.414	ug/l	98
79) 2-Chlorotoluene	11.75	91	137511	59.976	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	155632	56.551	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.90	75	18377m	103.599	ug/l	
82) 4-Chlorotoluene	11.93	91	135505	57.132	ug/l	99
83) tert-Butylbenzene	12.16	119	169005	59.678	ug/l	95
84) 1,2,4-Trimethylbenzene	12.24	105	152017	55.392	ug/l	99
85) sec-Butylbenzene	12.34	105	185121	50.091	ug/l	100
86) p-Isopropyltoluene	12.48	119	144635	47.149	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	68367	59.219	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	71514	54.131	ug/l	99
89) n-Butylbenzene	12.87	91	122306	37.256	ug/l	91
90) Hexachloroethane	12.95	117	35722	47.133	ug/l	85
91) 1,2-Dichlorobenzene	12.97	146	65375	50.827	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.67	75	9789	96.169	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	23104	25.328	ug/l	90
94) Hexachlorobutadiene	14.22	225	12784	22.004	ug/l	90
95) Naphthalene	14.49	128	63550	38.153	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	19192	22.759	ug/l	96

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

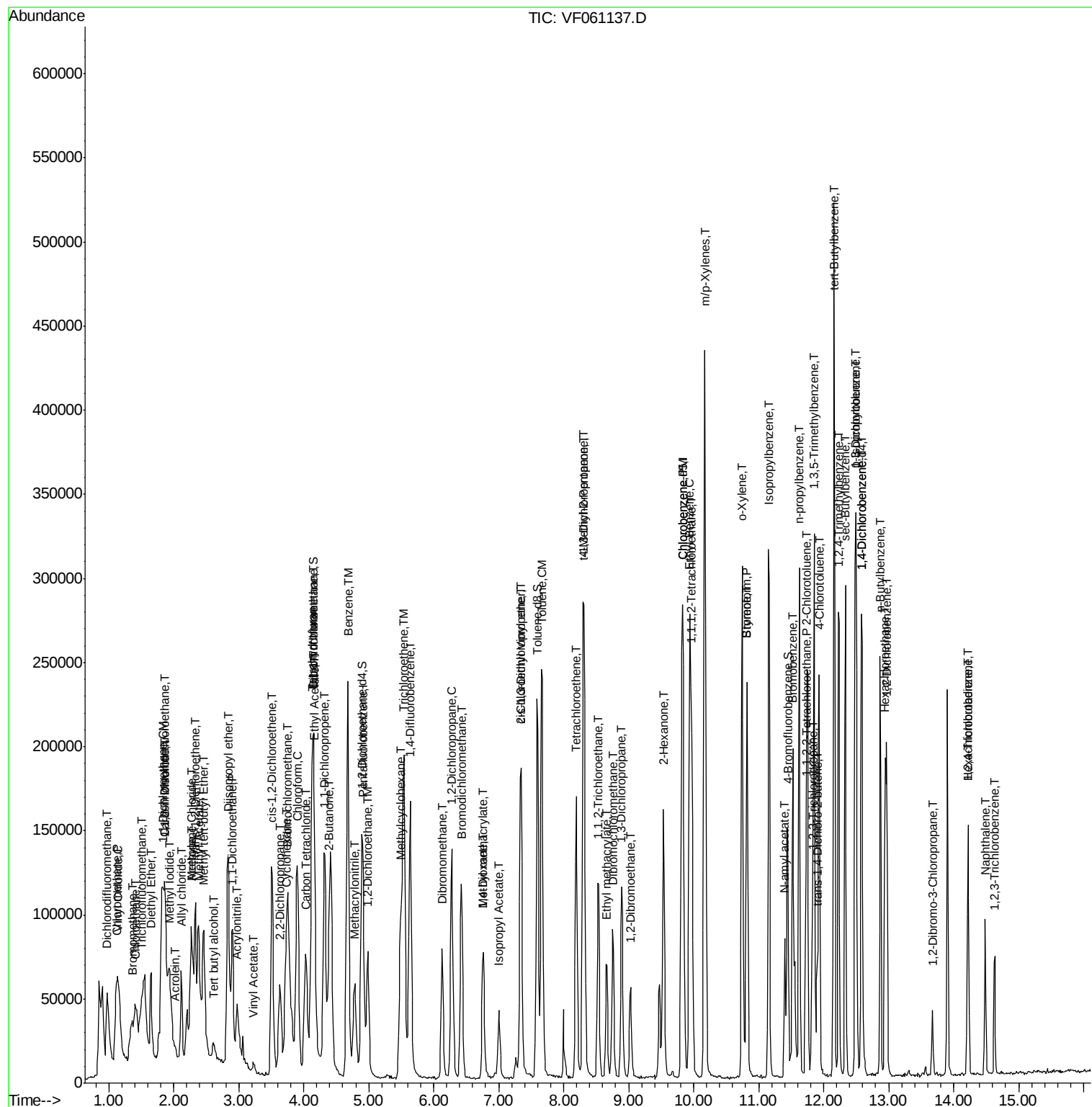
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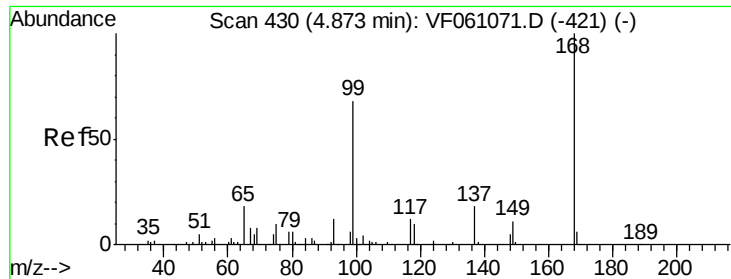
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.92 min Scan# 435

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:168 Resp: 94607

Ion Ratio Lower Upper

168 100

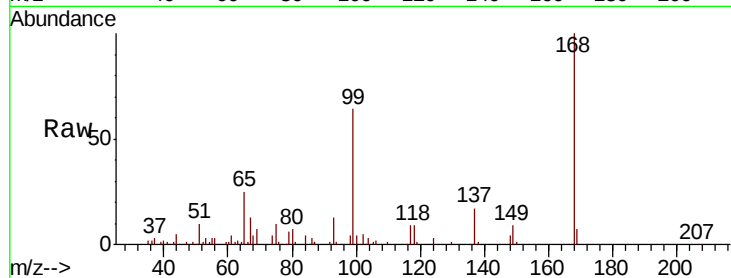
99 64.0 54.4 81.6

Manual Integrations

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12/26/2018 10:51:41 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.92

30000

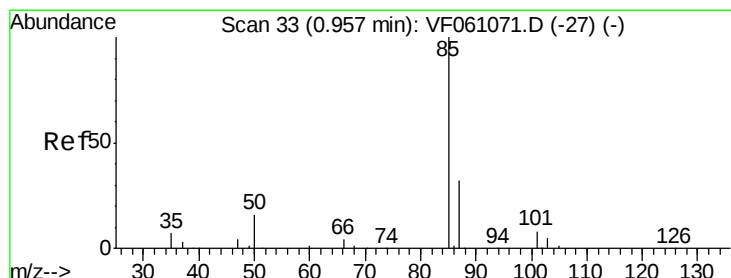
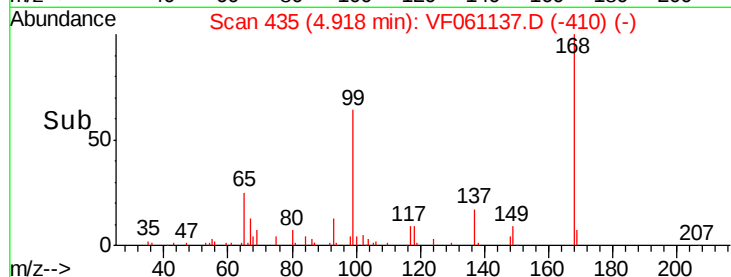
20000

10000

0

4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.974 ug/l

RT: 0.98 min Scan# 36

Delta R.T. 0.02 min

Lab File: VF061137.D

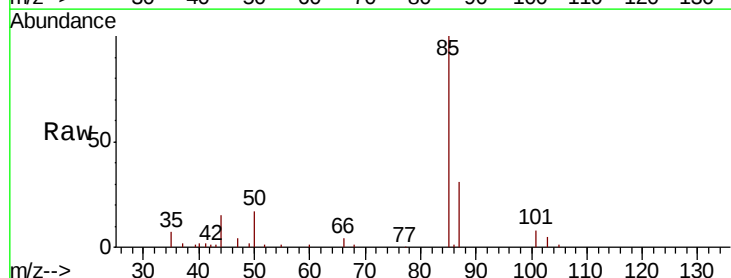
Acq: 21 Dec 2018 20:34

Tgt Ion: 85 Resp: 102994

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

25000

20000

15000

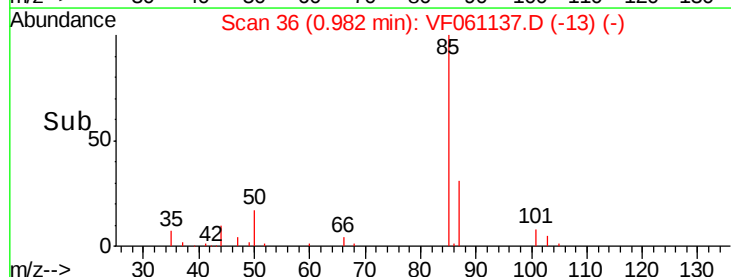
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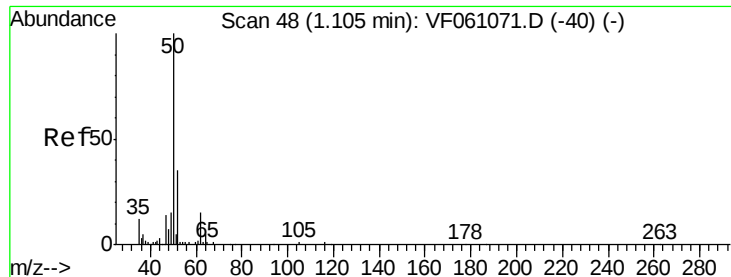
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 53.695 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 50 Resp: 64684

Ion Ratio Lower Upper

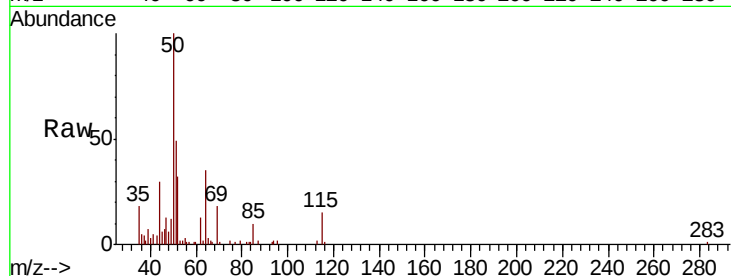
50 100

52 32.3 26.3 39.5

Manual Integrations
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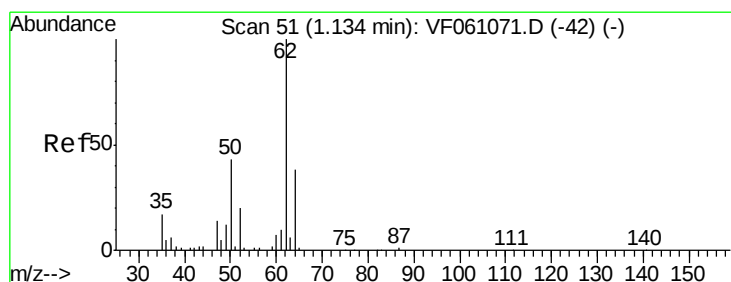
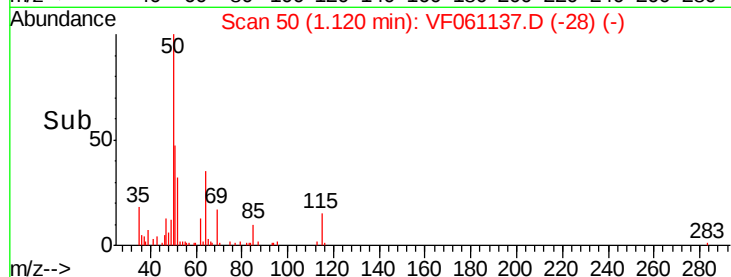
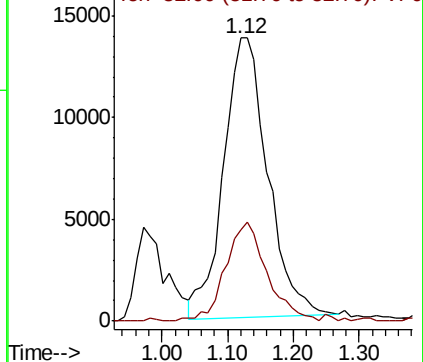
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 53.183 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061137.D

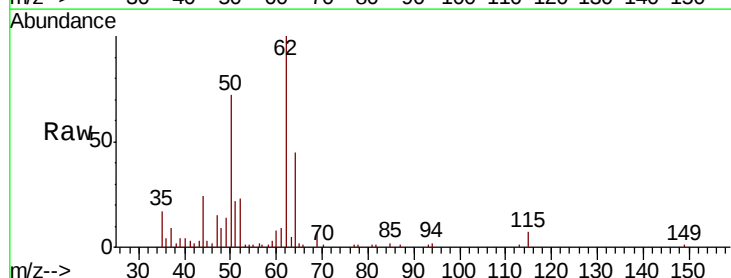
Acq: 21 Dec 2018 20:34

Tgt Ion: 62 Resp: 59433

Ion Ratio Lower Upper

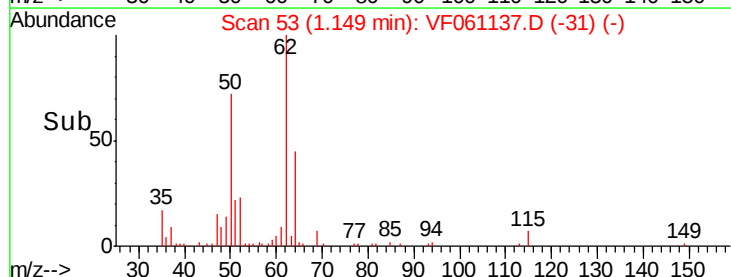
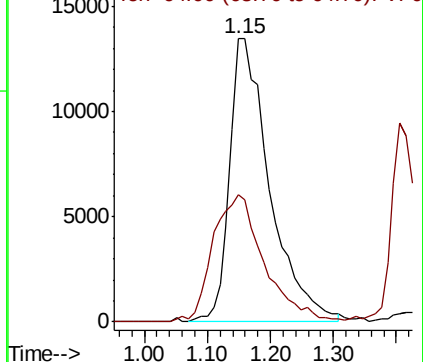
62 100

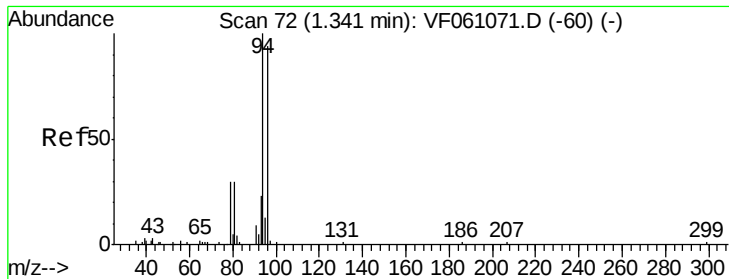
64 45.1 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 50.802 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.02 min

Lab File: VF061137.D

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ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 94 Resp: 39377

Ion Ratio Lower Upper

94 100

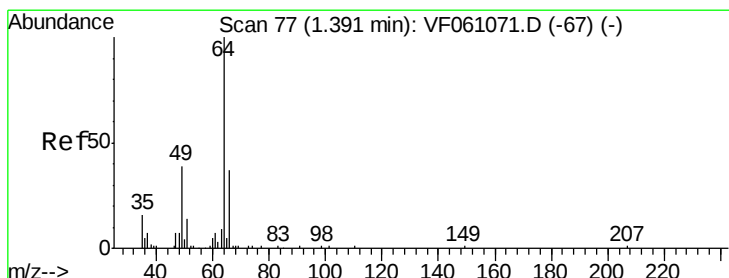
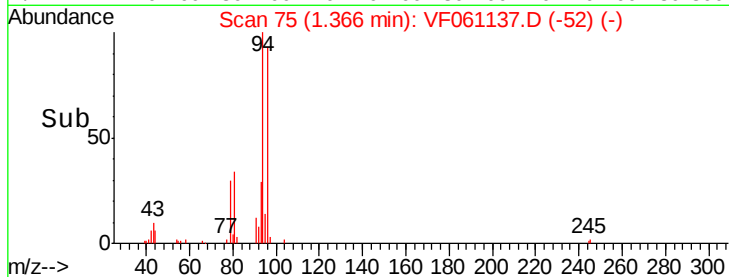
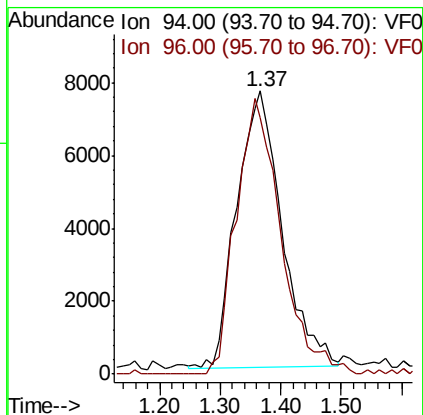
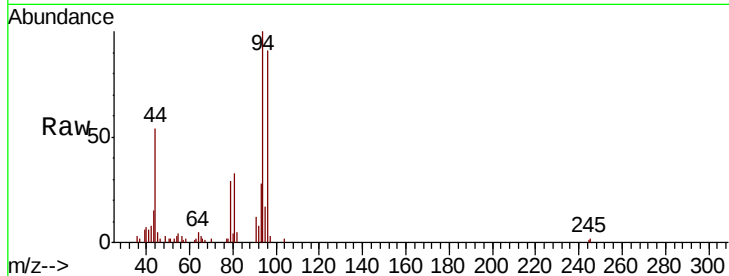
96 90.5 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 56.674 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061137.D

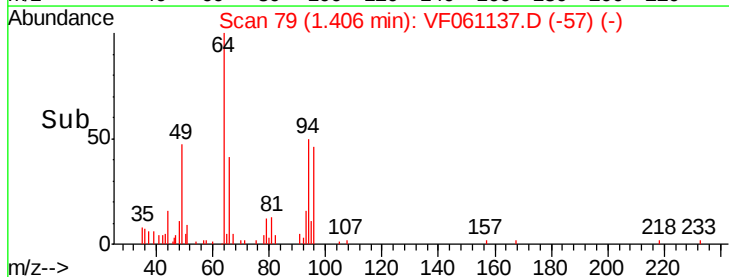
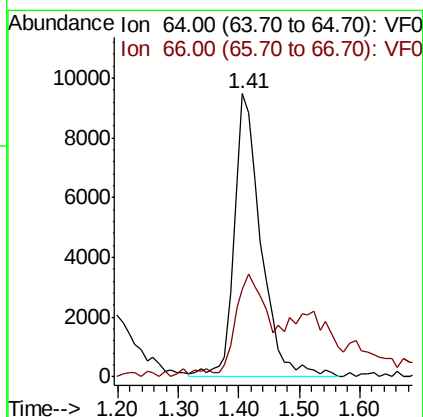
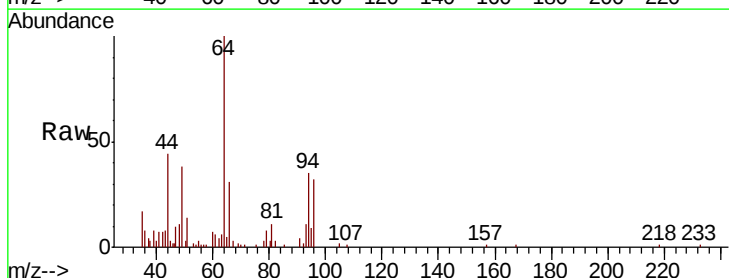
Acq: 21 Dec 2018 20:34

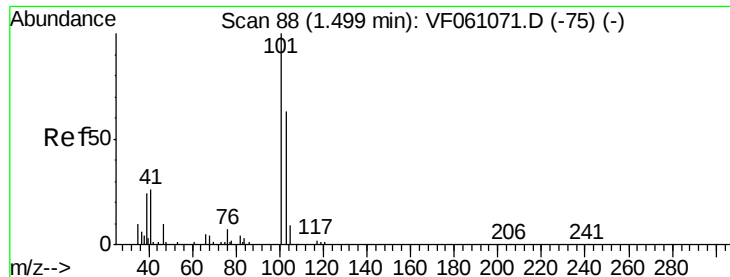
Tgt Ion: 64 Resp: 29183

Ion Ratio Lower Upper

64 100

66 30.7 30.9 46.3#





#7

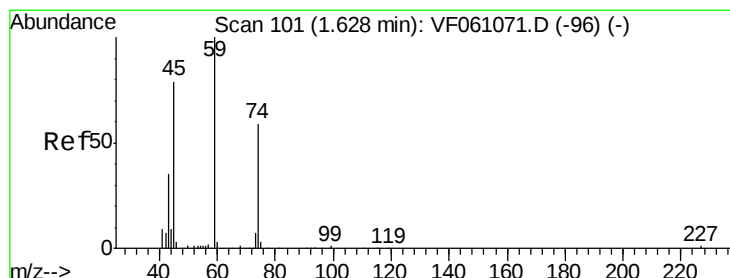
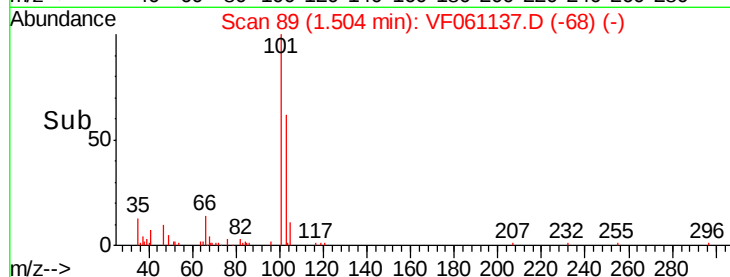
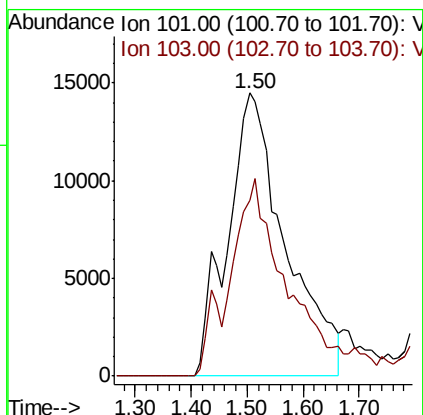
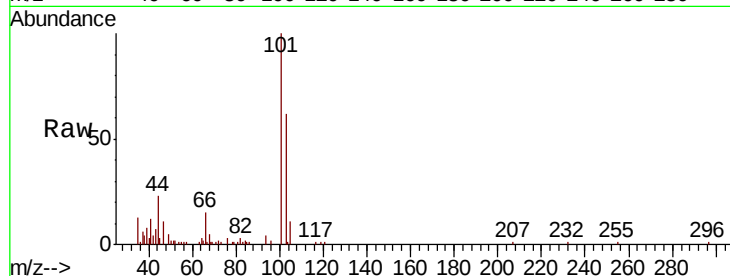
Trichlorofluoromethane
Concen: 48.613 ug/l
RT: 1.50 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion: 101 Resp: 103729
Ion Ratio Lower Upper
101 100
103 62.0 50.7 76.1

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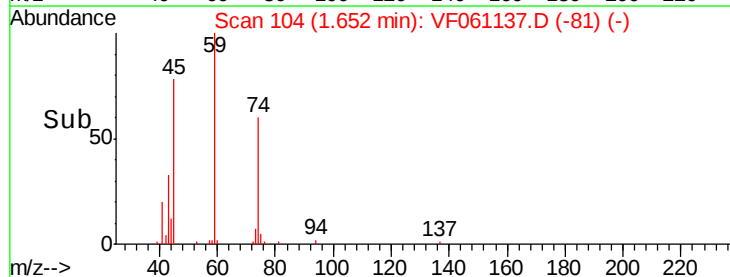
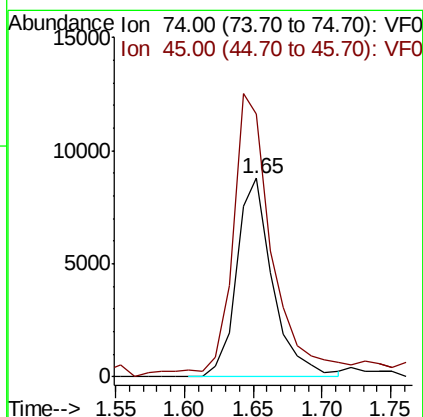
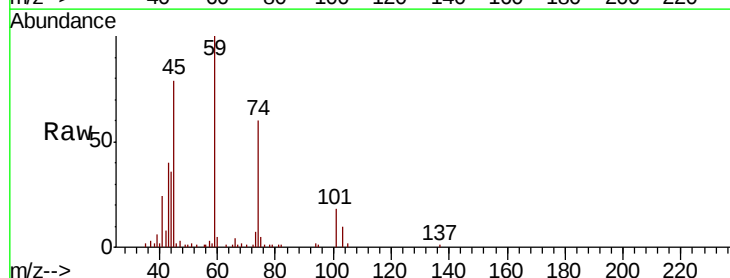
MMDadoda
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#8

Diethyl Ether
Concen: 54.895 ug/l
RT: 1.65 min Scan# 104
Delta R.T. 0.02 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion: 74 Resp: 16040
Ion Ratio Lower Upper
74 100
45 132.3 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.126 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

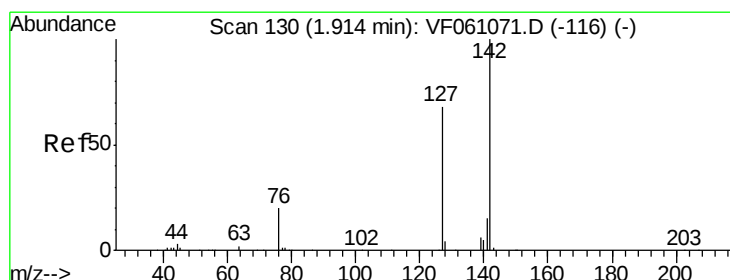
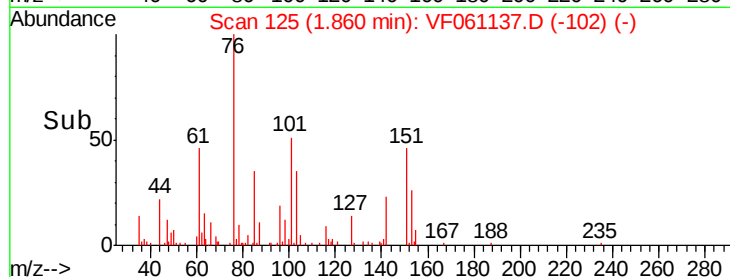
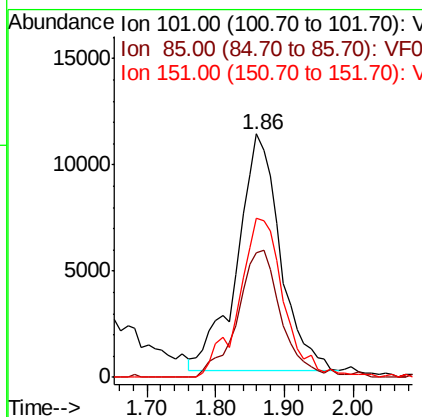
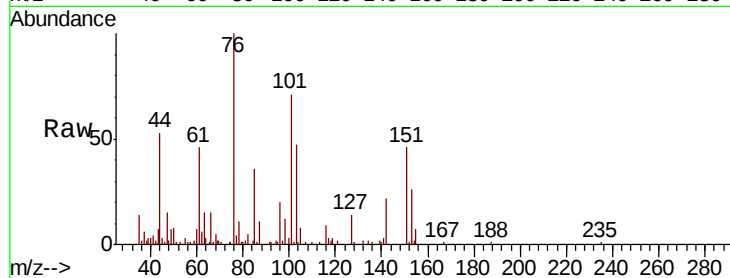
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:	101	Resp:	48818
Ion Ratio	Lower	Upper	
101	100		
85	51.0	44.5	66.7
151	65.2	49.9	74.9

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#10

Methyl Iodide

Concen: 46.762 ug/l m

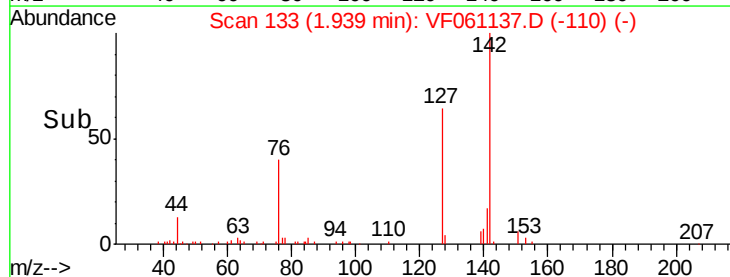
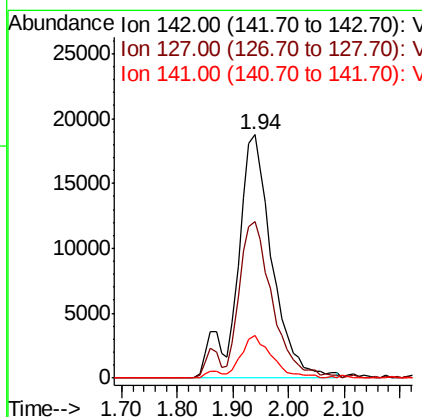
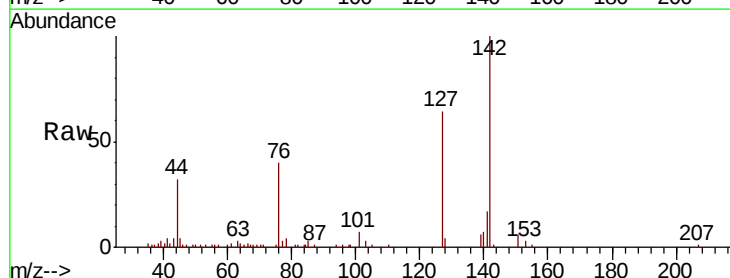
RT: 1.94 min Scan# 133

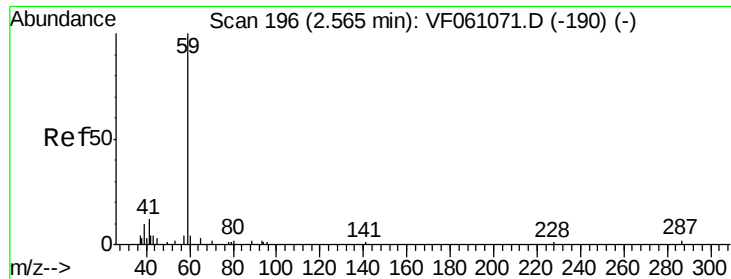
Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion:	142	Resp:	81550
Ion Ratio	Lower	Upper	
142	100		
127	64.2	54.7	82.1
141	17.4	12.2	18.2





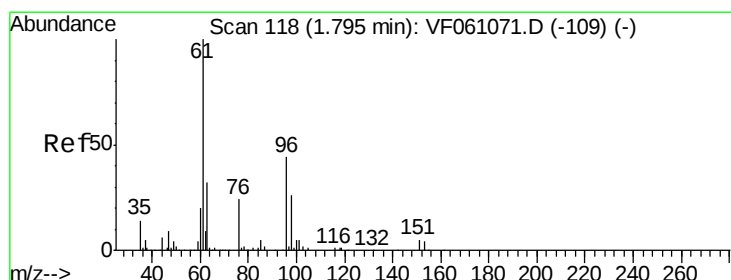
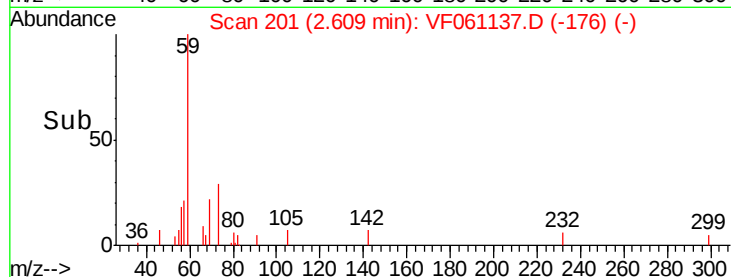
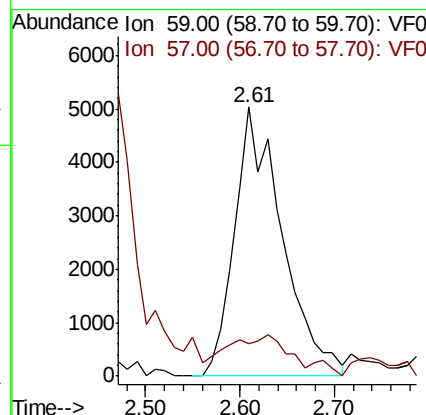
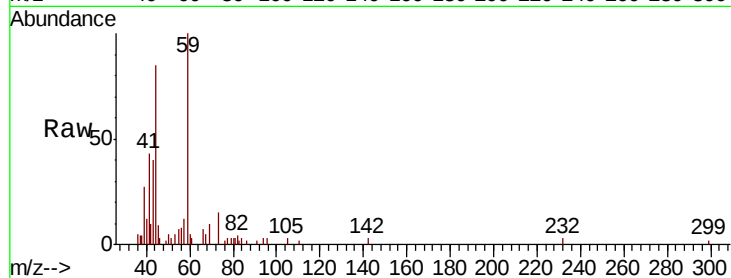
#11
Tert butyl alcohol
Concen: 358.449 ug/l
RT: 2.61 min Scan# 201
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion: 59 Resp: 17601
Ion Ratio Lower Upper
59 100
57 11.9 11.5 17.3

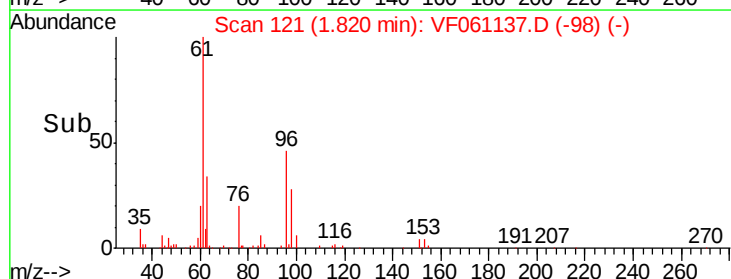
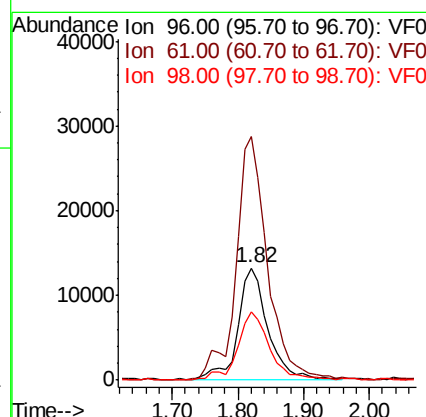
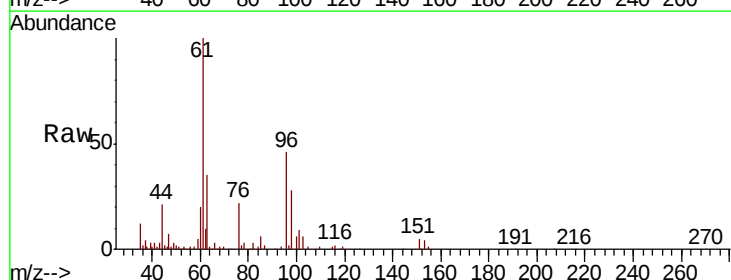
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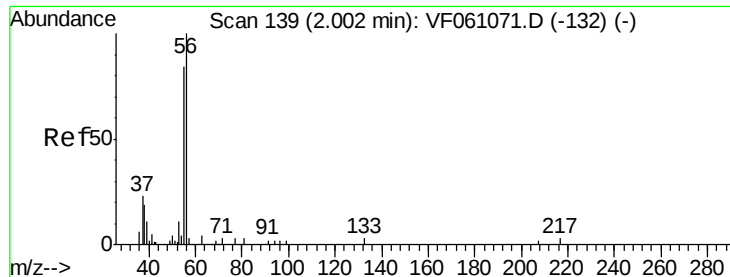
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#12
1,1-Dichloroethene
Concen: 51.217 ug/l
RT: 1.82 min Scan# 121
Delta R.T. 0.02 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion: 96 Resp: 42713
Ion Ratio Lower Upper
96 100
61 217.3 182.0 273.0
98 61.1 46.5 69.7





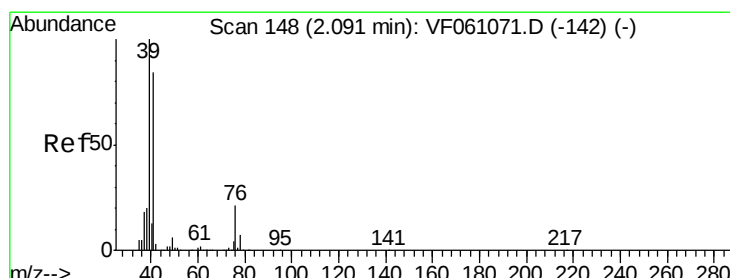
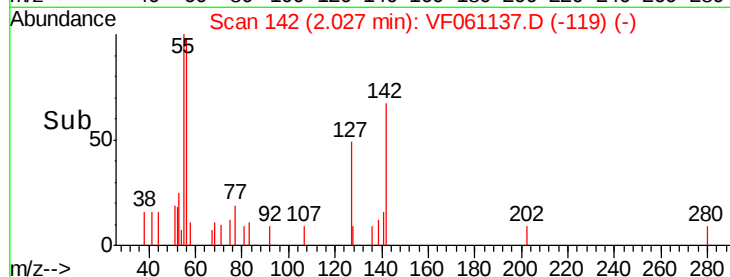
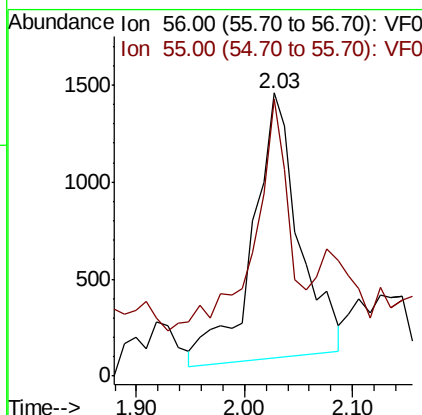
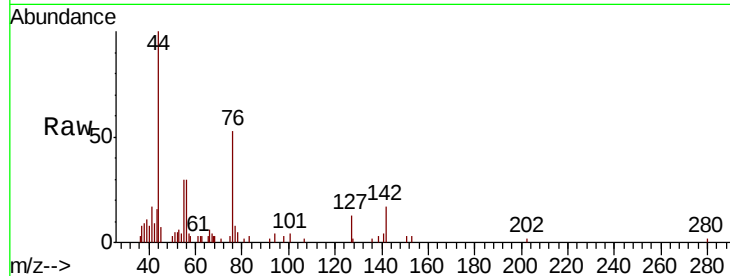
#13
Acrolein
Concen: 115.355 ug/l
RT: 2.03 min Scan# 142
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion: 56 Resp: 4093
Ion Ratio Lower Upper
56 100
55 97.9 70.2 105.2

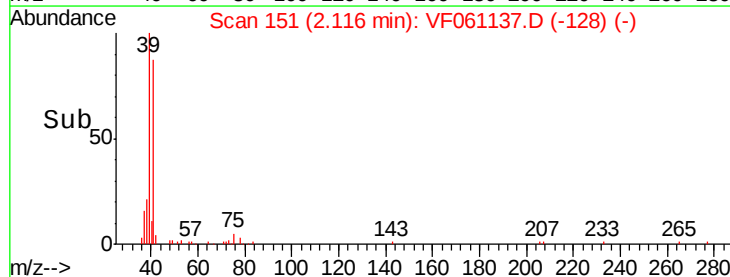
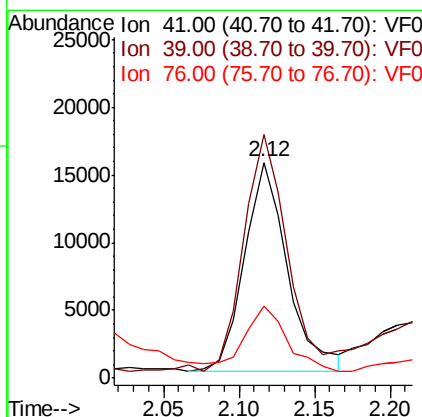
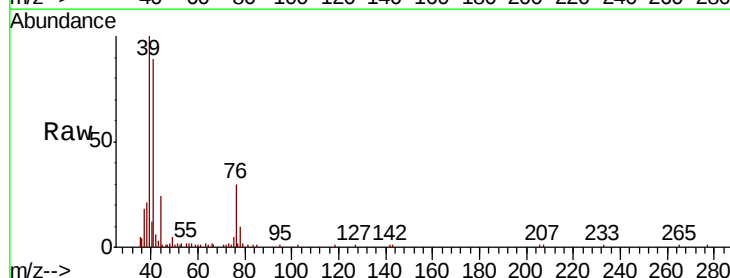
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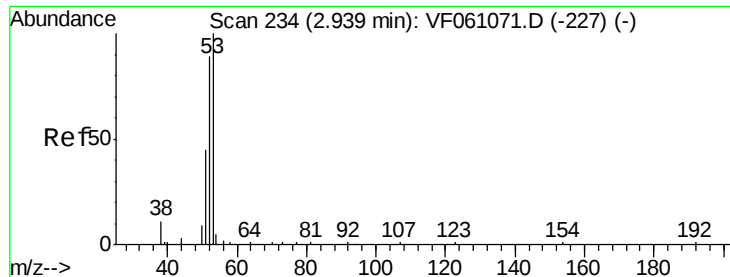
MMDadoda
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#14
Allyl chloride
Concen: 35.449 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.02 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion: 41 Resp: 30765
Ion Ratio Lower Upper
41 100
39 113.0 96.4 144.6
76 33.6 25.4 38.0





#15

Acrylonitrile

Concen: 344.486 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

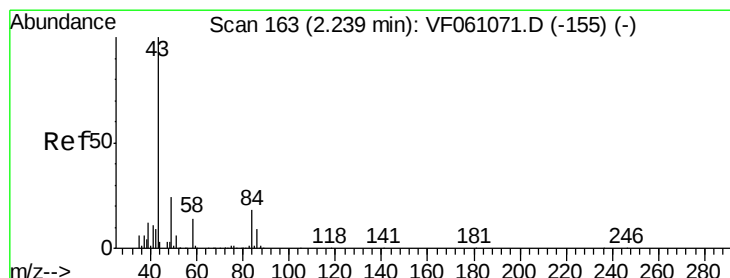
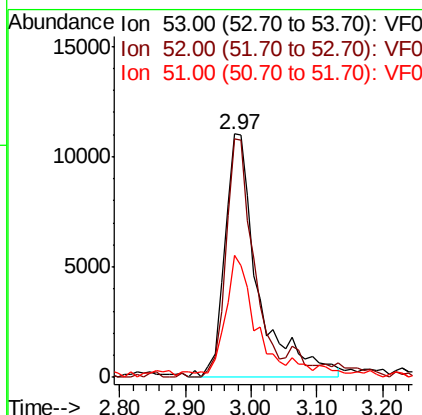
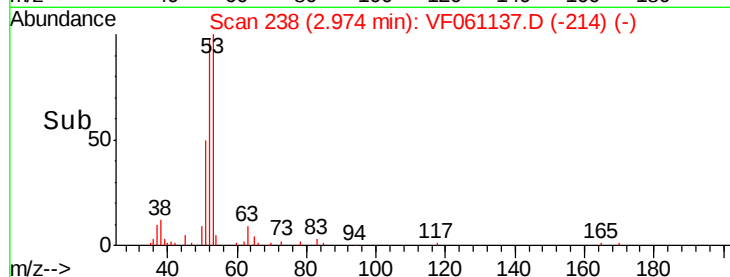
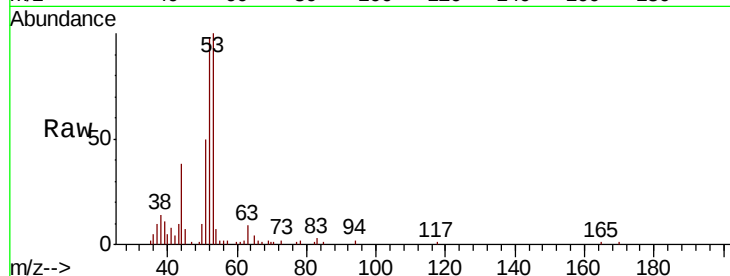
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:	53	Resp:	39115
Ion	Ratio	Lower	Upper
53	100		
52	98.0	71.3	106.9
51	50.3	36.8	55.2

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#16

Acetone

Concen: 247.051 ug/l

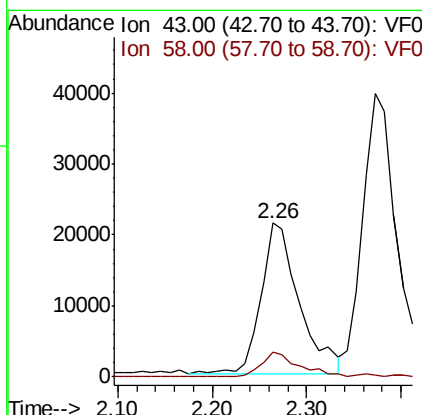
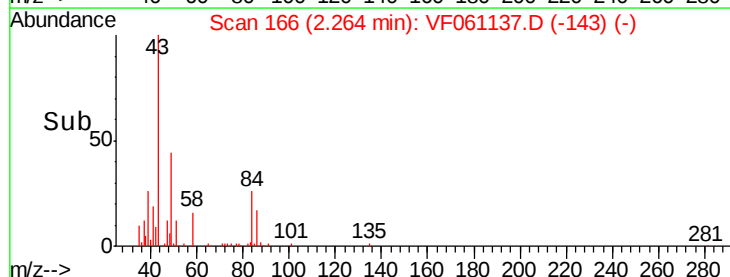
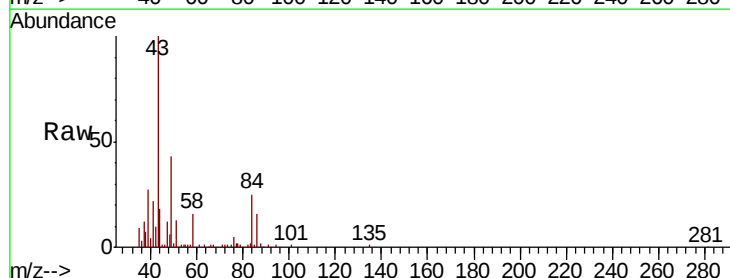
RT: 2.26 min Scan# 166

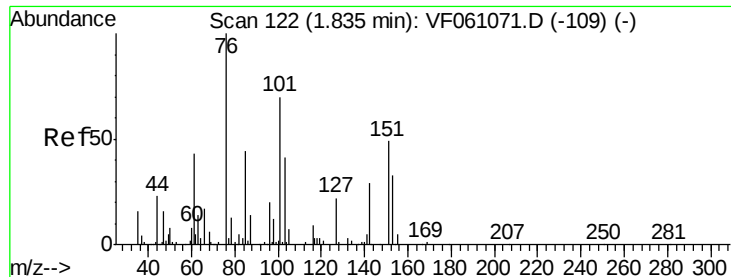
Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion:	43	Resp:	60096
Ion	Ratio	Lower	Upper
43	100		
58	15.8	11.1	16.7





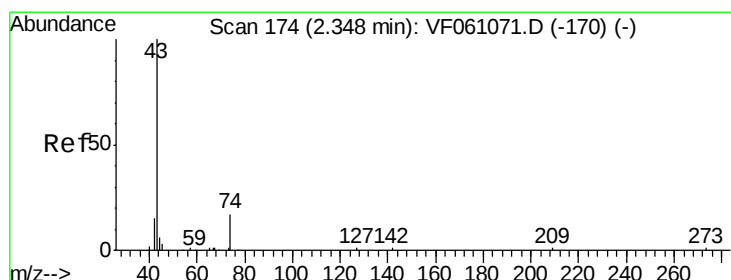
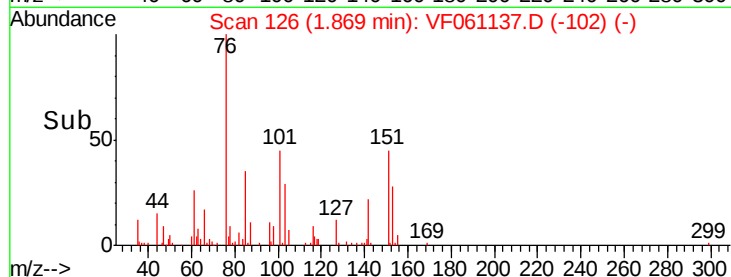
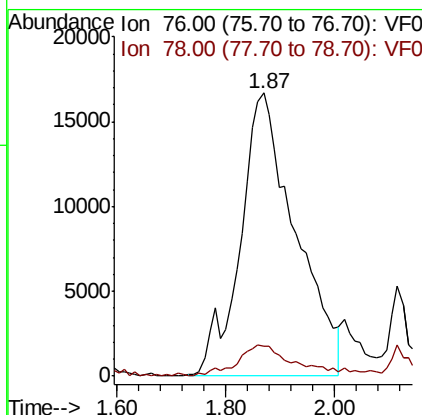
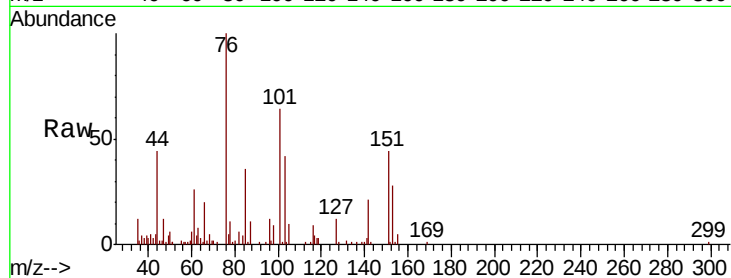
#17
Carbon Disulfide
Concen: 46.809 ug/l m
RT: 1.87 min Scan# 126
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion: 76 Resp: 117970
Ion Ratio Lower Upper
76 100
78 10.7 10.2 15.4

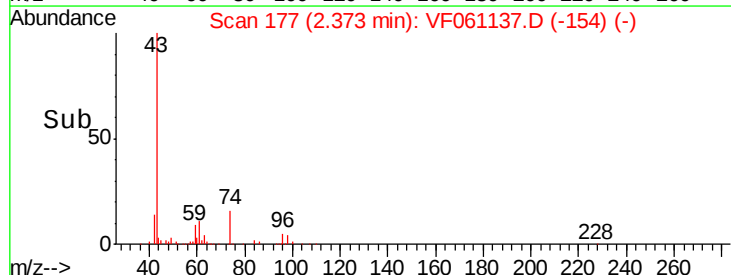
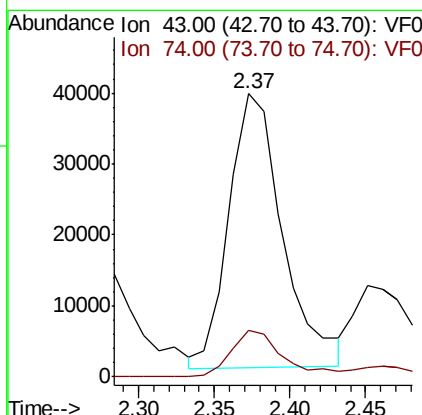
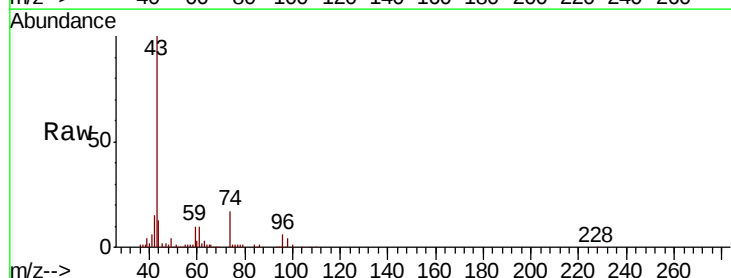
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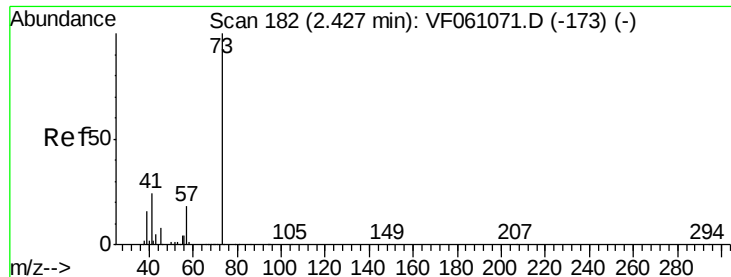
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#18
Methyl Acetate
Concen: 190.434 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion: 43 Resp: 95840
Ion Ratio Lower Upper
43 100
74 16.5 11.0 16.6





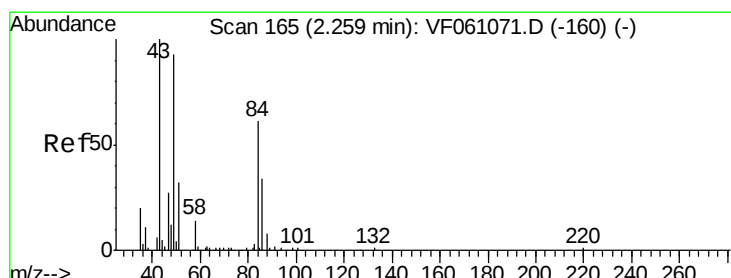
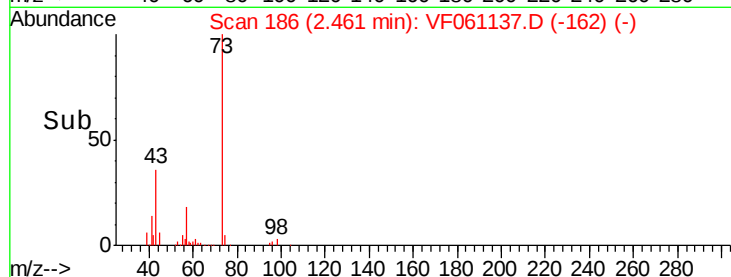
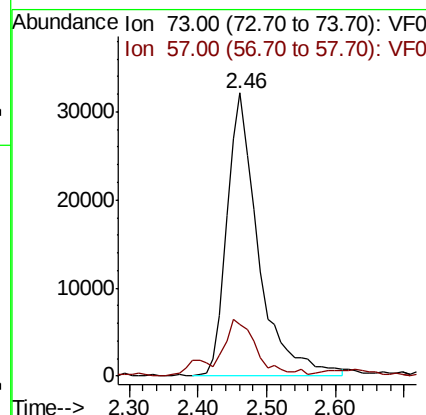
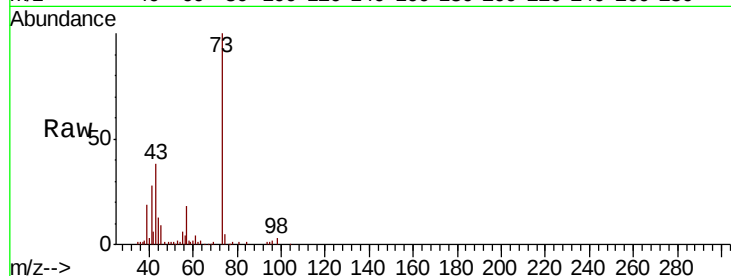
#19
Methyl tert-butyl Ether
Concen: 55.185 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion: 73 Resp: 102152
Ion Ratio Lower Upper
73 100
57 18.3 14.5 21.7

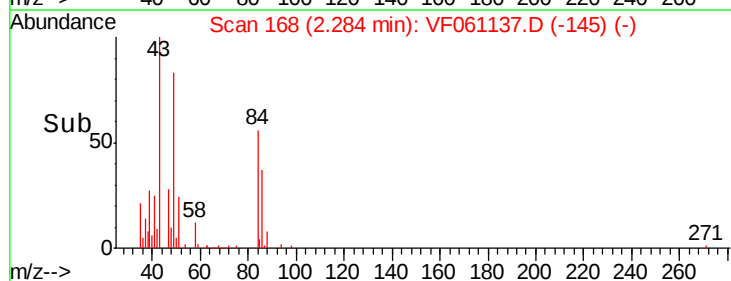
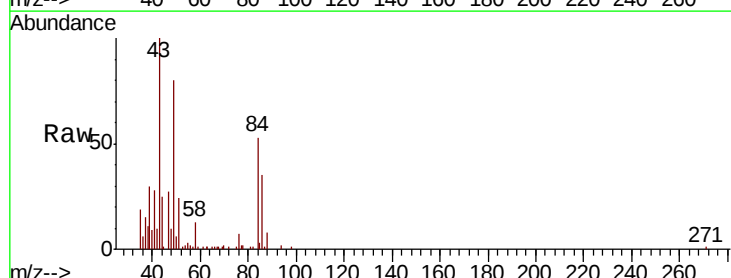
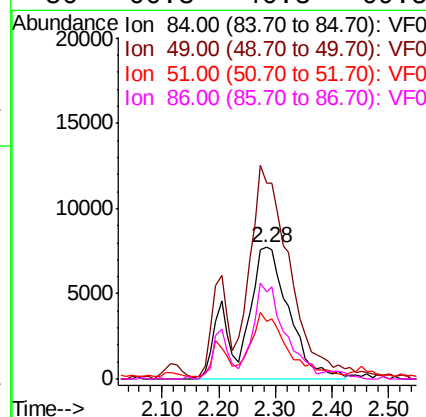
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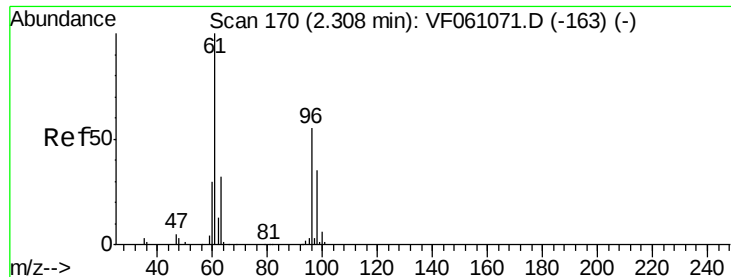
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#20
Methylene Chloride
Concen: 57.731 ug/l m
RT: 2.28 min Scan# 168
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion: 84 Resp: 44336
Ion Ratio Lower Upper
84 100
49 149.2 129.4 194.2
51 44.0 44.0 66.0#
86 66.3 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 47.797 ug/l m

RT: 2.33 min Scan# 173

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 96 Resp: 42633

Ion Ratio Lower Upper

96 100

61 162.4 146.0 219.0

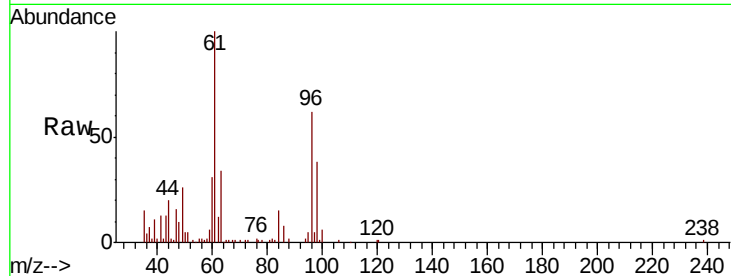
98 60.9 51.6 77.4

Manual Integrations

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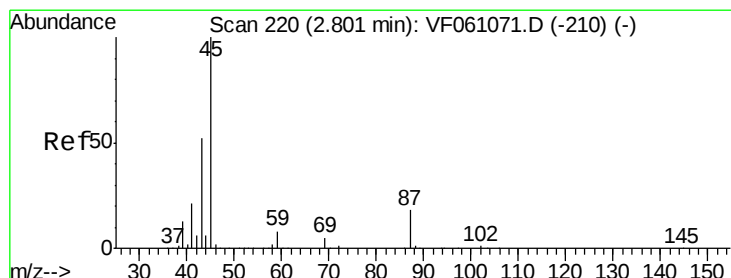
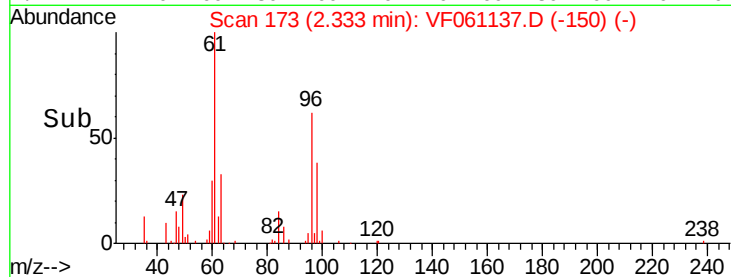
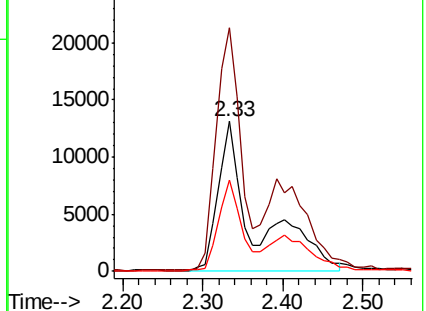
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Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 56.891 ug/l

RT: 2.84 min Scan# 224

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion: 45 Resp: 164466

Ion Ratio Lower Upper

45 100

43 50.0 42.2 63.2

87 18.6 14.6 22.0

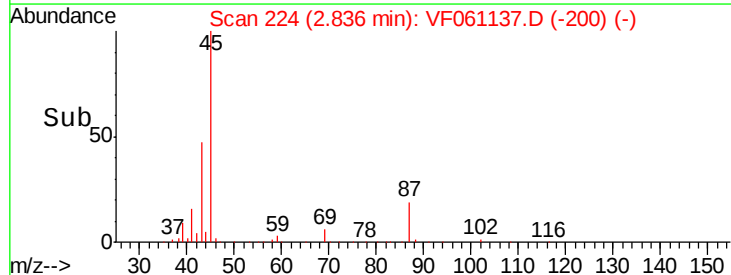
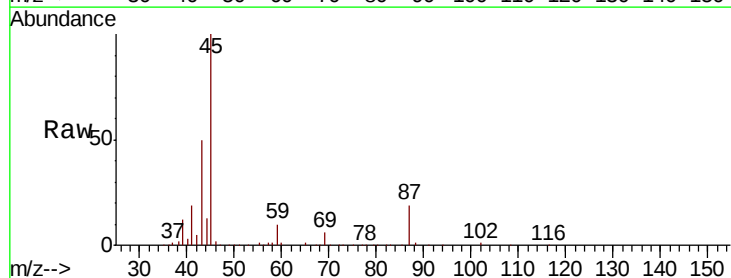
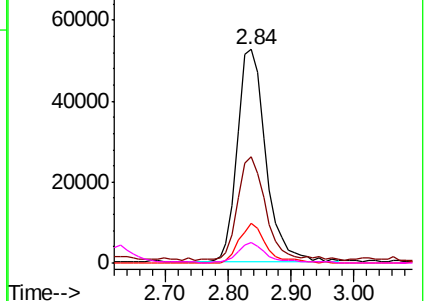
59 9.6 7.0 10.4

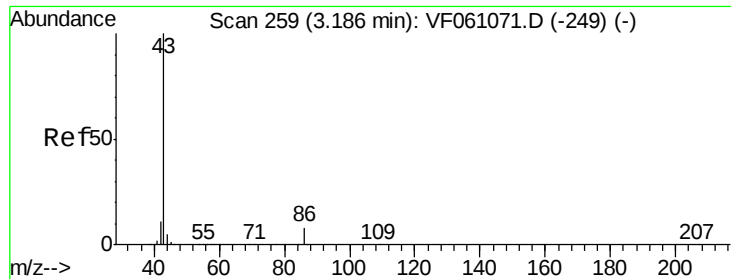
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 11.616 ug/l m

RT: 3.22 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 43 Resp: 15492

Ion Ratio Lower Upper

43 100

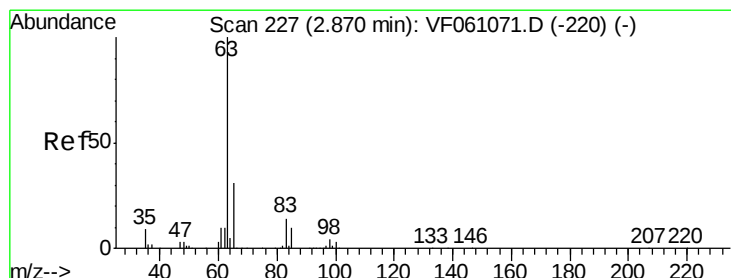
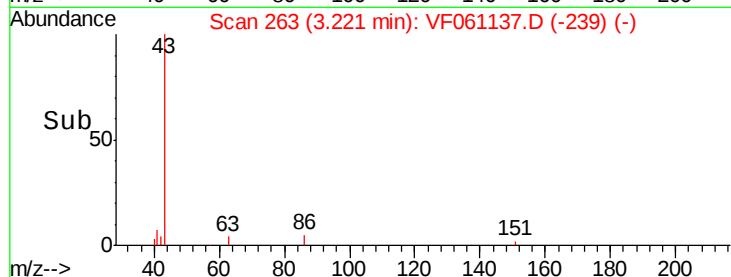
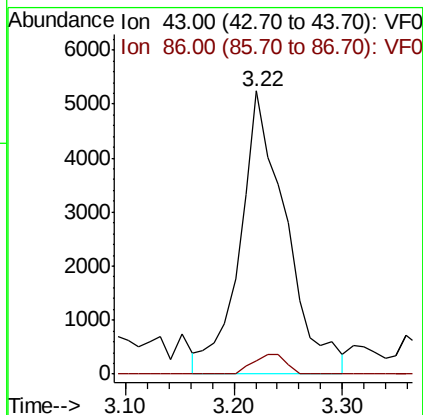
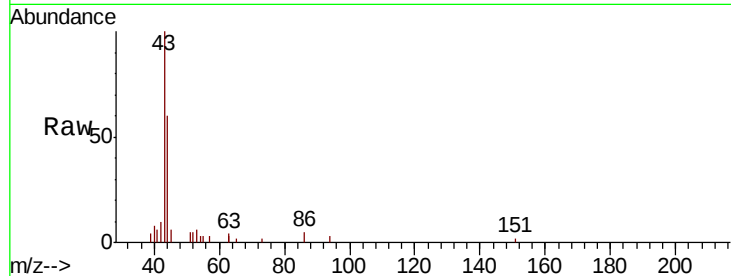
86 4.6 6.3 9.5#

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#24

1,1-Dichloroethane

Concen: 50.144 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

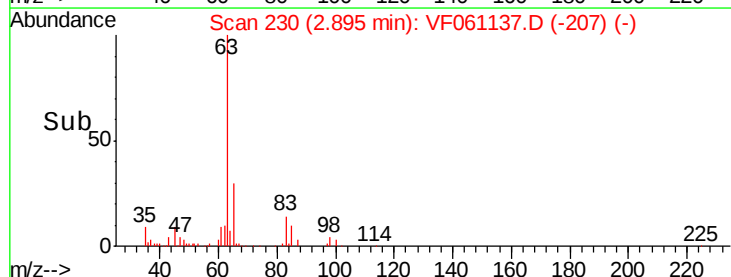
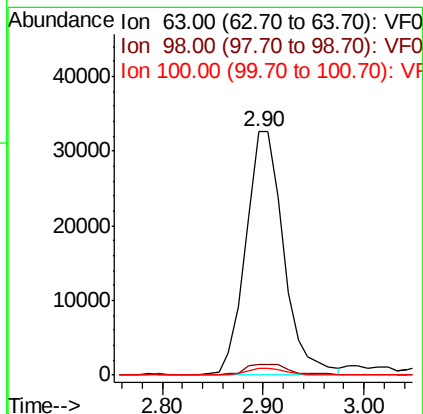
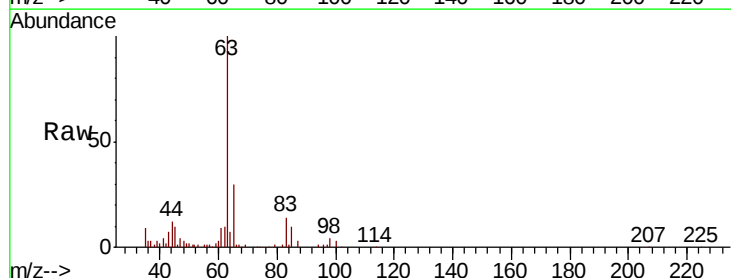
Tgt Ion: 63 Resp: 85888

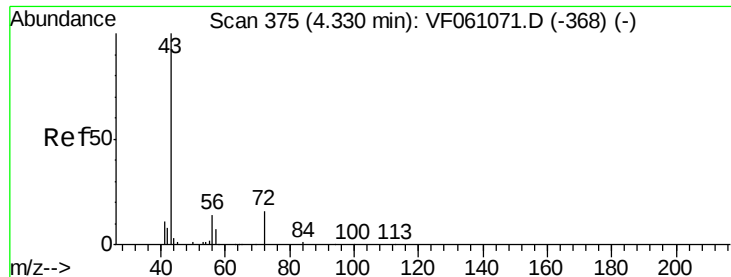
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

100 2.6 1.7 5.1





#25

2-Butanone

Concen: 321.130 ug/l

RT: 4.38 min Scan# 381

Delta R.T. 0.05 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 43 Resp: 126689

Ion Ratio Lower Upper

43 100

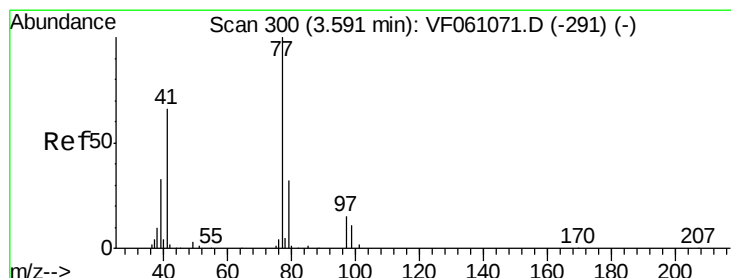
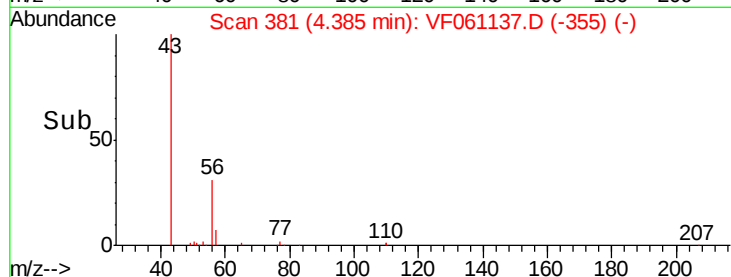
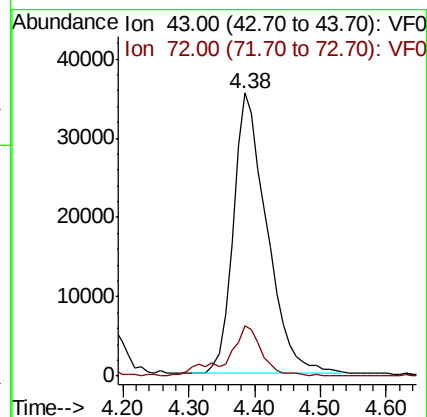
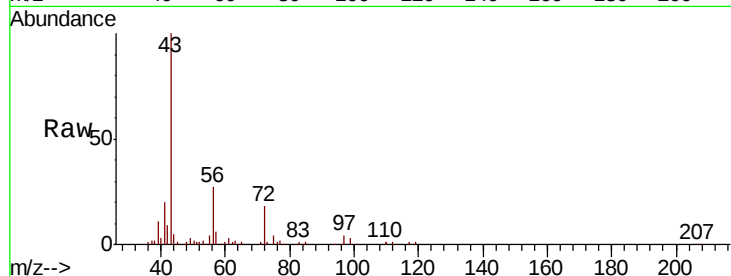
72 17.8 15.6 23.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.214 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.04 min

Lab File: VF061137.D

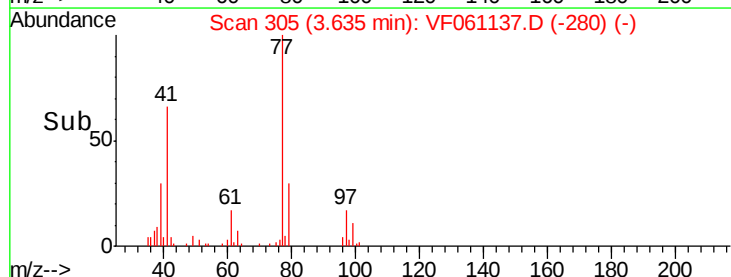
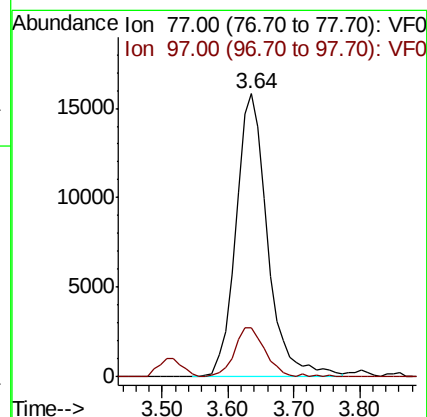
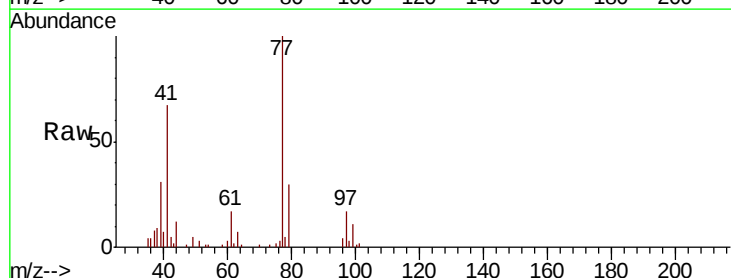
Acq: 21 Dec 2018 20:34

Tgt Ion: 77 Resp: 53290

Ion Ratio Lower Upper

77 100

97 17.4 8.2 24.4





#27

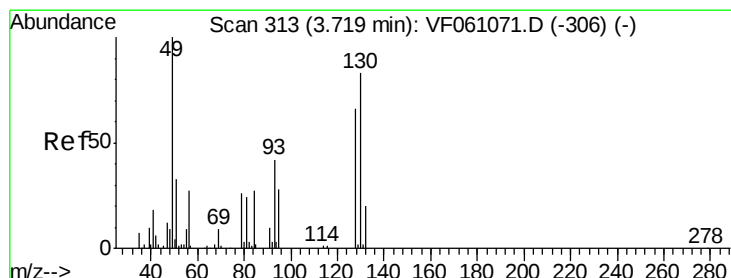
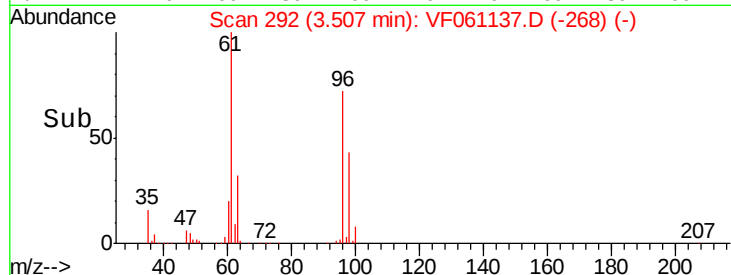
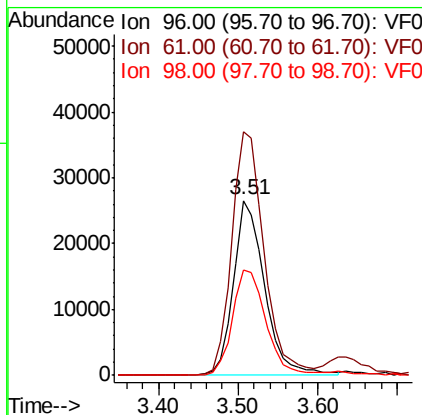
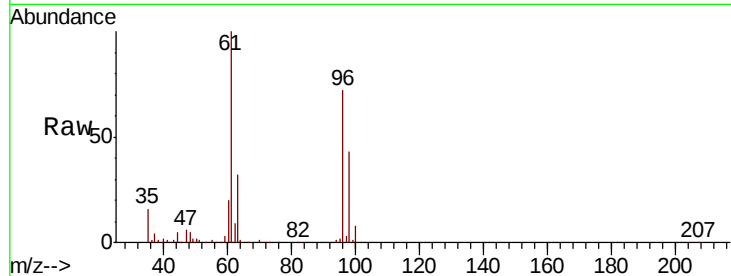
cis-1,2-Dichloroethene
 Concen: 53.346 ug/l
 RT: 3.51 min Scan# 292
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	72846		
61	139.0	0.0	287.8	
98	60.5	0.0	134.2	

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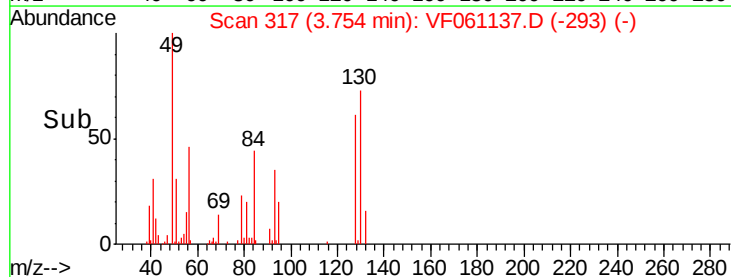
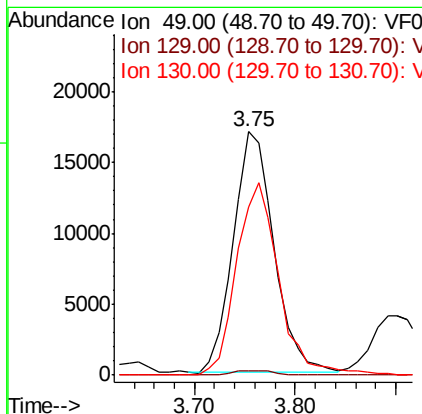
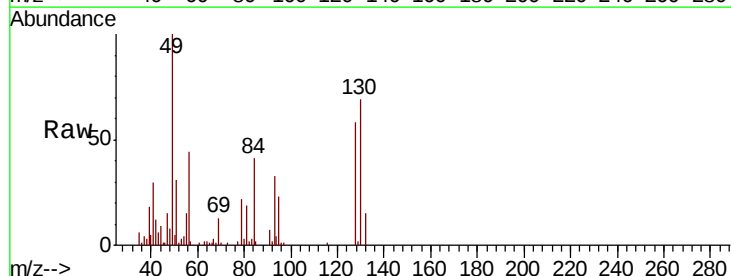
MMDadoda
 12/26/2018 10:51:41 AM

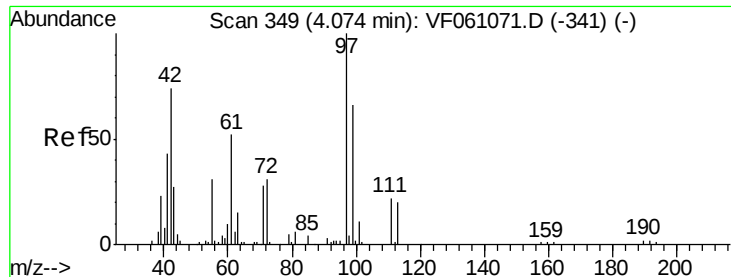


#28

Bromochloromethane
 Concen: 55.273 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48037		
129	1.6	0.0	3.6	
130	69.1	65.8	98.6	





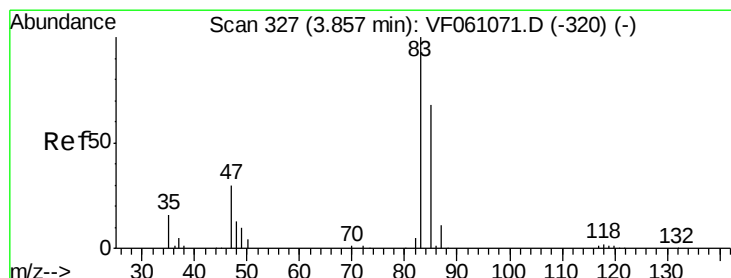
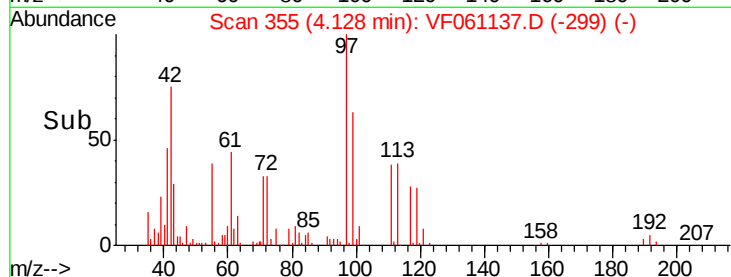
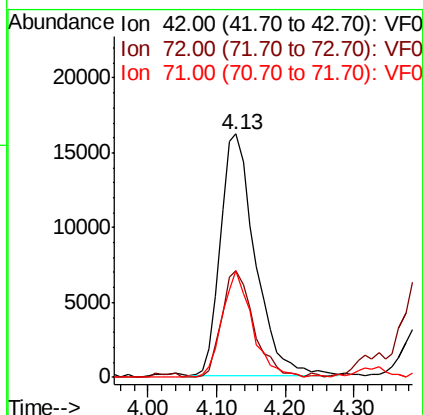
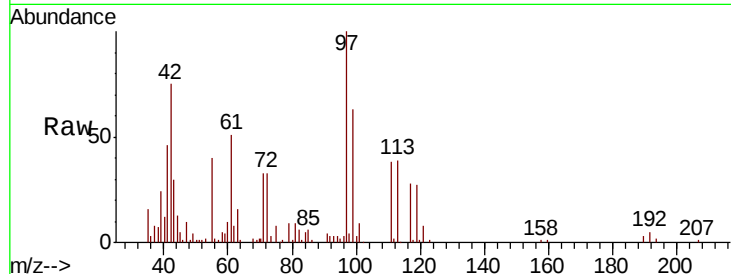
#29
Tetrahydrofuran
Concen: 352.289 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.05 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.7	31.8	47.8
71	38.1	29.7	44.5

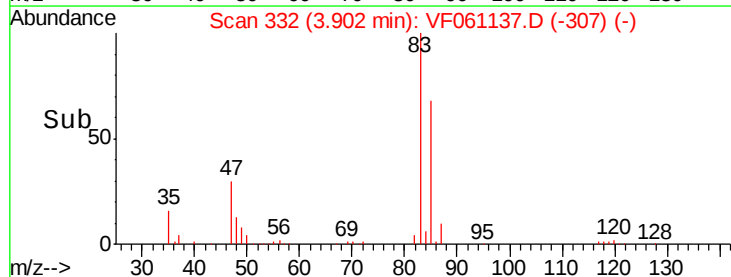
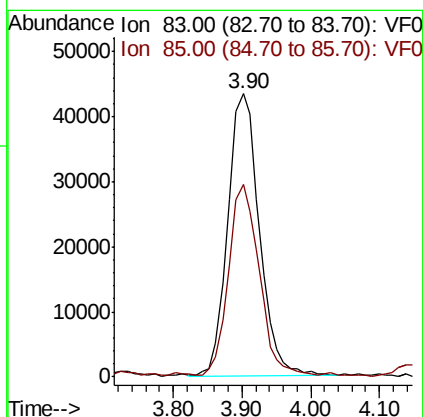
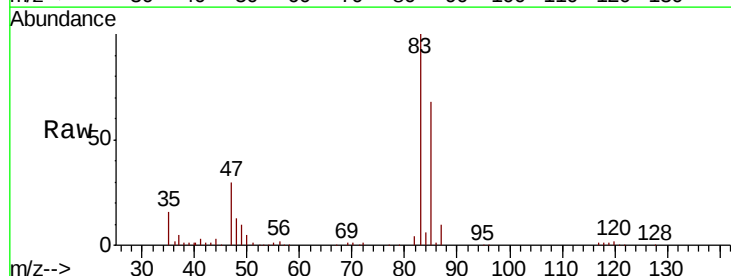
Manual Integrations
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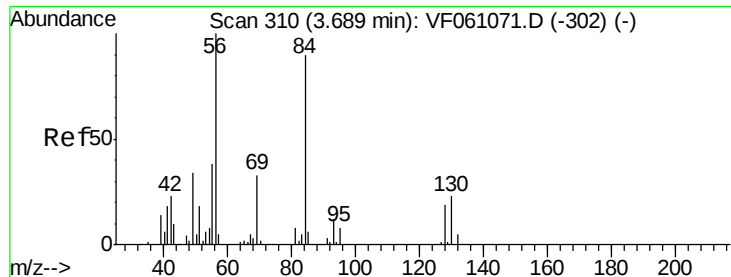
MMDadoda
12/26/2018 10:51:41 AM



#30
Chloroform
Concen: 53.684 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.5	81.7





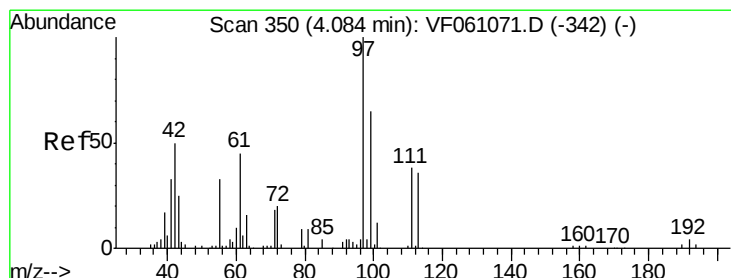
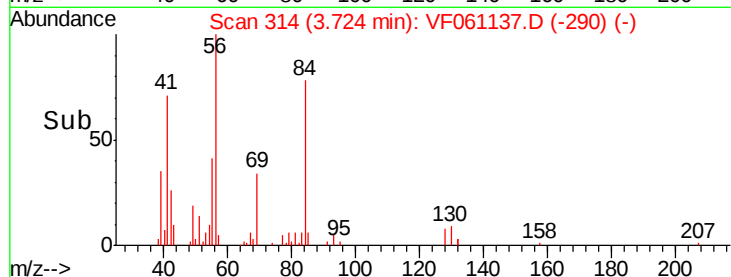
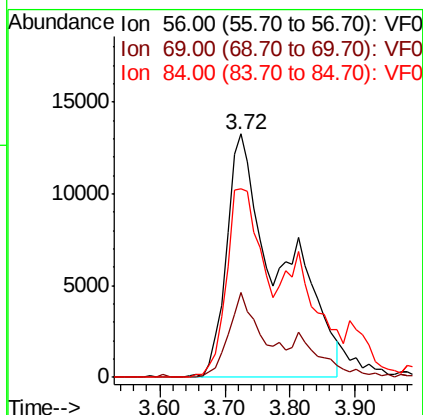
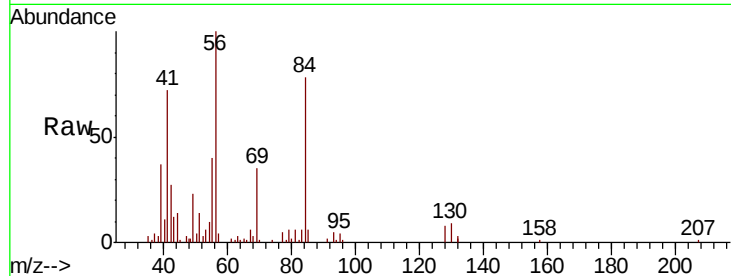
#31
Cyclohexane
Concen: 42.980 ug/l m
RT: 3.72 min Scan# 314
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion: 56 Resp: 76390
Ion Ratio Lower Upper
56 100
69 34.7 26.0 39.0
84 77.6 71.4 107.2

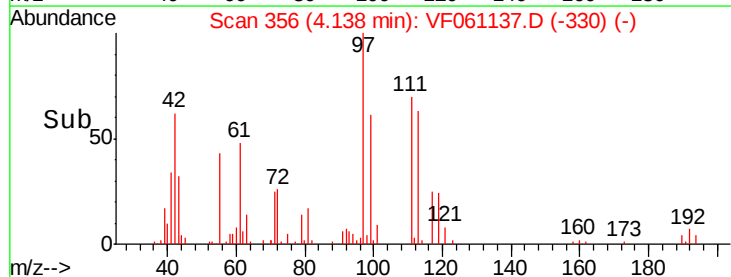
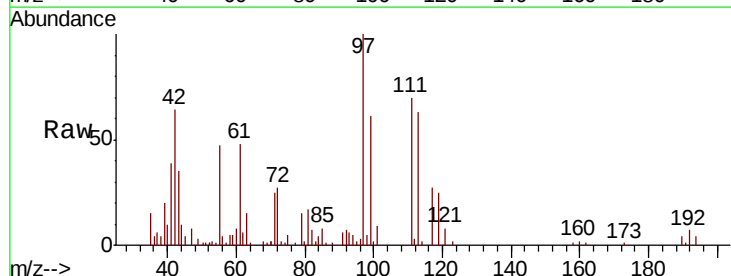
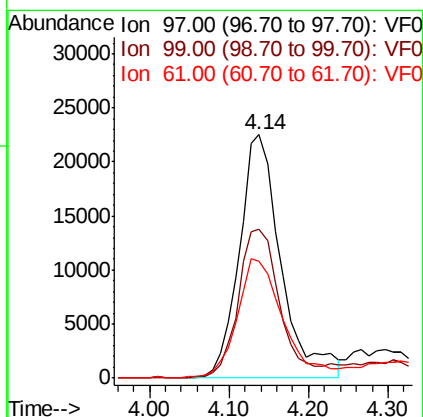
Manual Integrations
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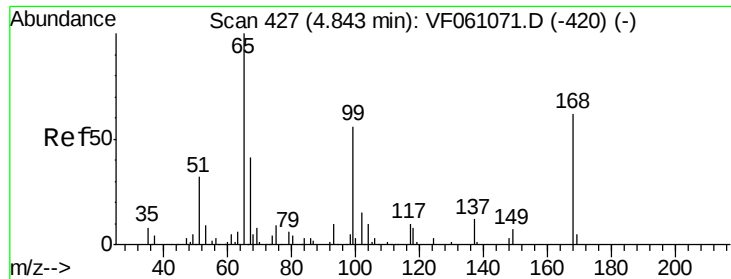
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 53.134 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.05 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion: 97 Resp: 81794
Ion Ratio Lower Upper
97 100
99 61.0 51.6 77.4
61 47.9 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 55.286 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 65 Resp: 67272

Ion Ratio Lower Upper

65 100

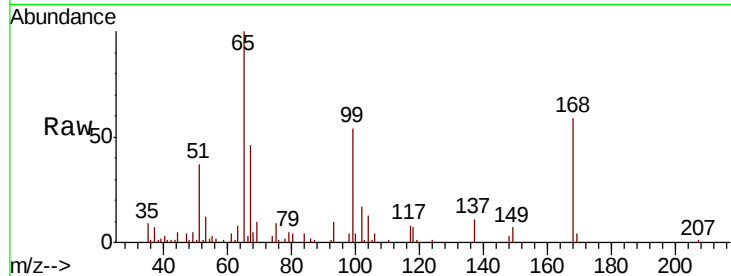
67 45.6 0.0 94.6

Manual Integrations

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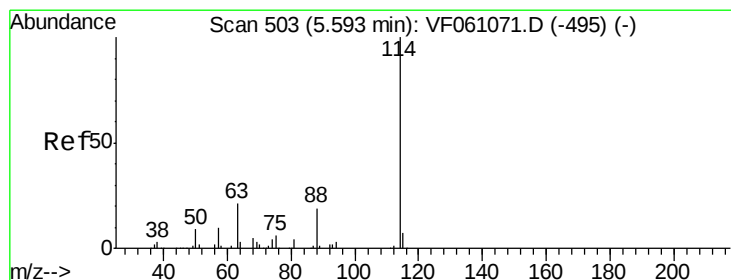
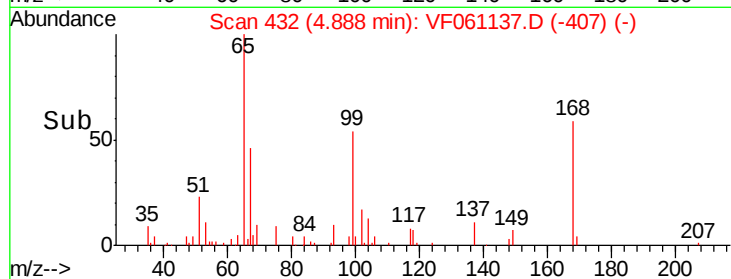
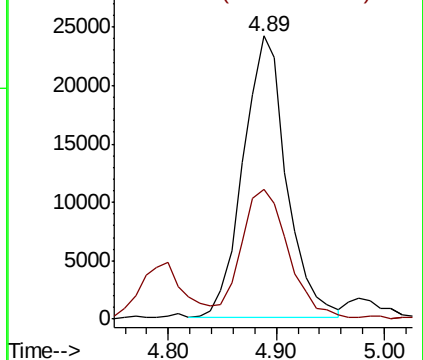
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

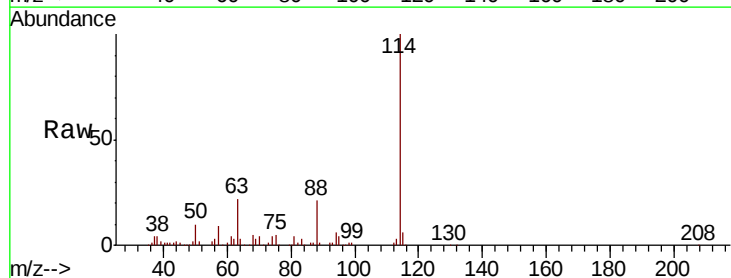
Tgt Ion: 114 Resp: 167305

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

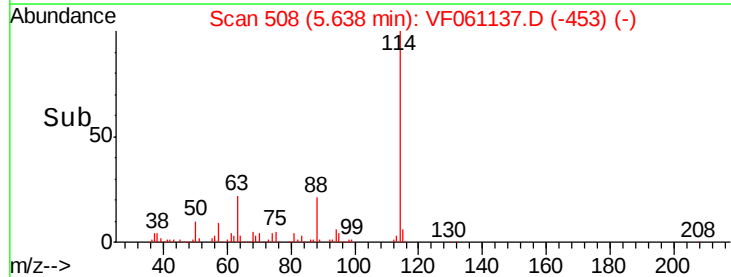
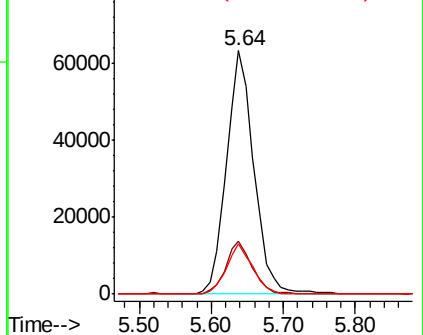
88 20.7 0.0 38.0

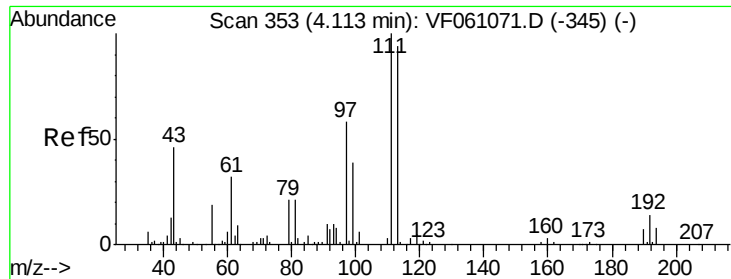


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





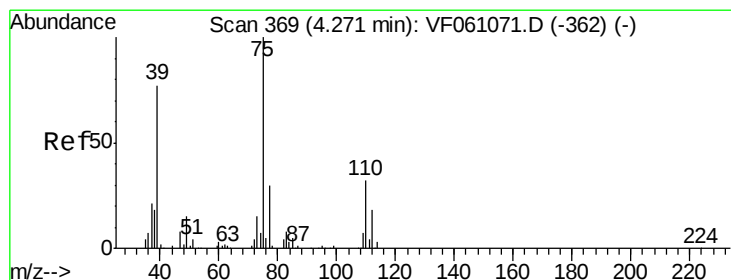
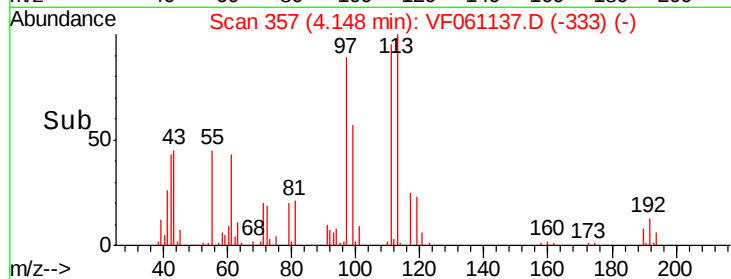
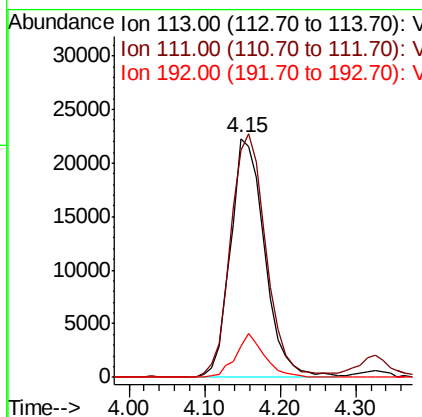
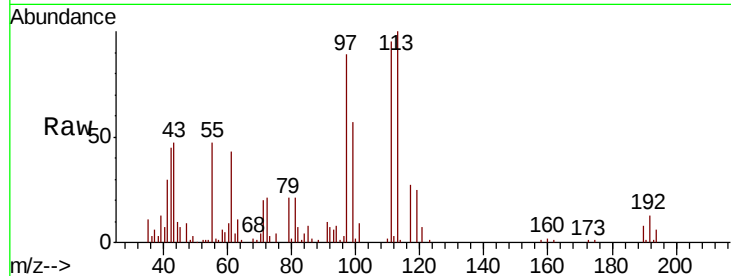
#35
 Dibromofluoromethane
 Concen: 52.040 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	69745		
111	95.2		85.2	127.8
192	13.2		12.8	19.2

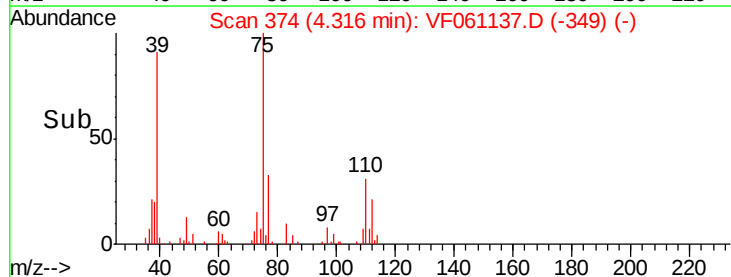
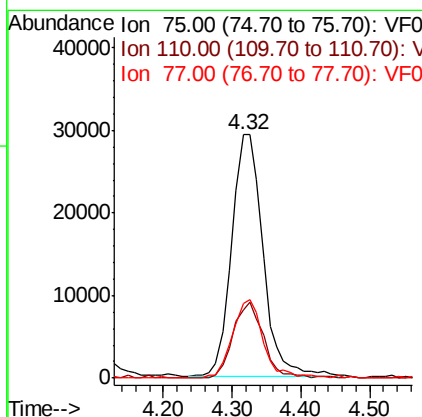
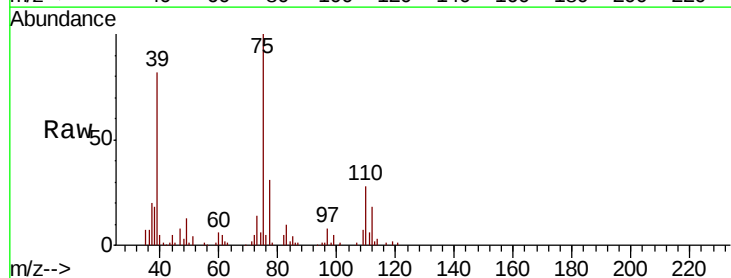
Manual Integrations
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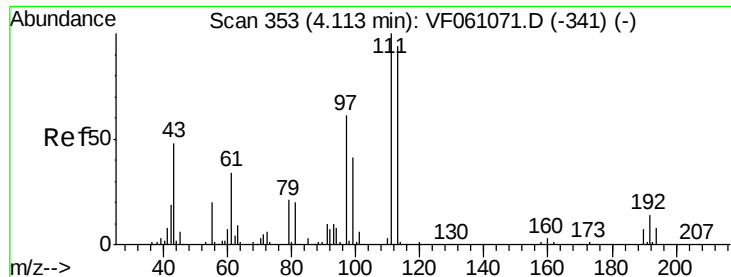
MMDadoda
 12/26/2018 10:51:41 AM



#36
 1,1-Dichloropropene
 Concen: 45.695 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92281		
110	28.0		16.1	48.2
77	30.5		24.5	36.7





#37

Ethyl Acetate

Concen: 64.393 ug/l

RT: 4.17 min Scan# 359

Delta R.T. 0.05 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 43 Resp: 48022

Ion Ratio Lower Upper

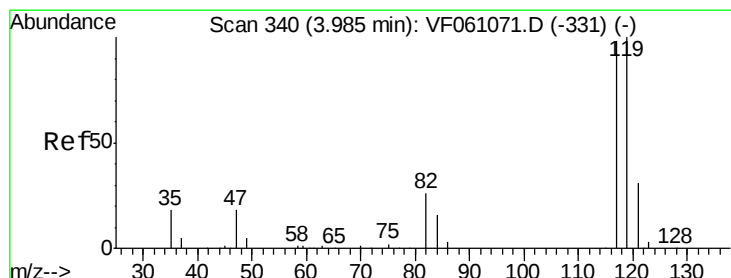
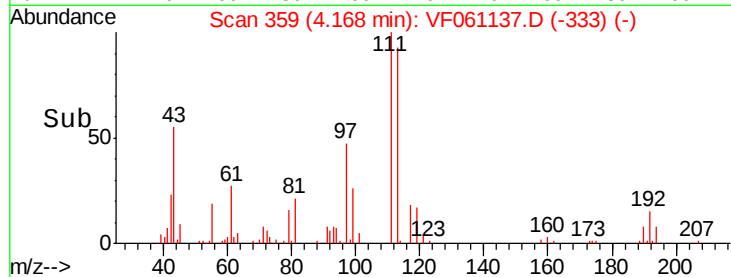
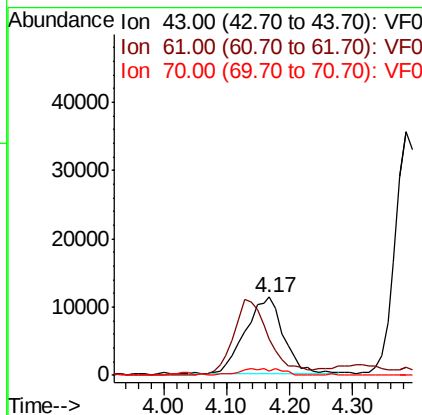
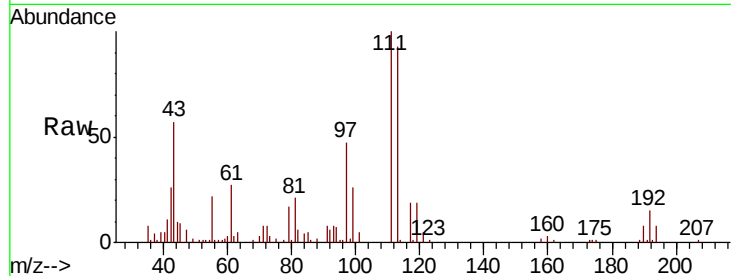
43 100

61 47.3 56.6 84.8#

70 6.1 6.3 9.5#

Manual Integrations
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12/26/2018 10:51:41 AM



#38

Carbon Tetrachloride

Concen: 47.509 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

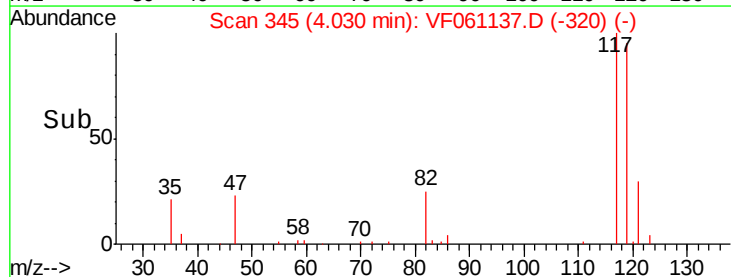
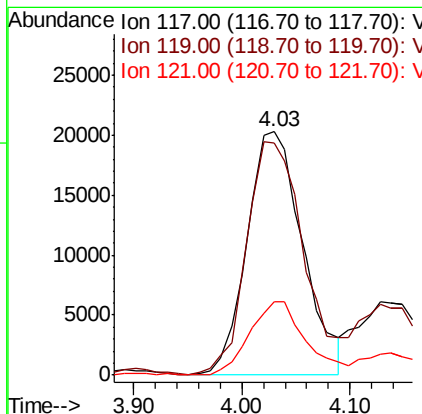
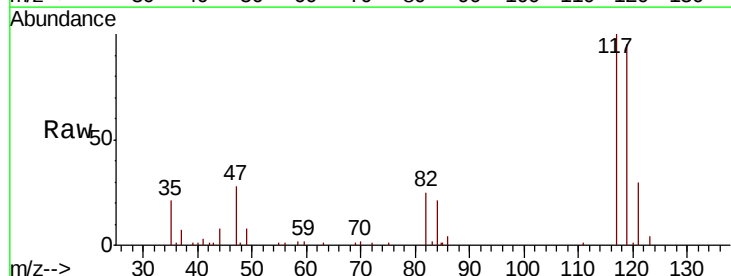
Tgt Ion: 117 Resp: 73065

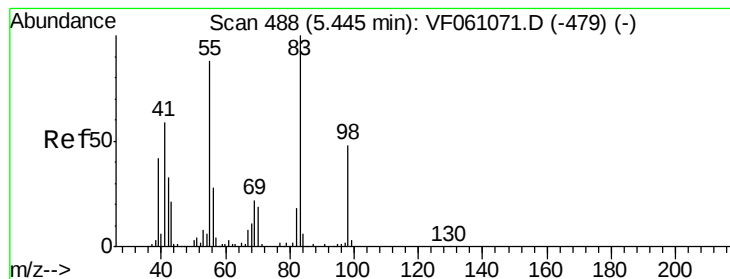
Ion Ratio Lower Upper

117 100

119 95.1 82.1 123.1

121 30.0 25.5 38.3





#39

Methylcyclohexane

Concen: 32.809 ug/l

RT: 5.49 min Scan# 493

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

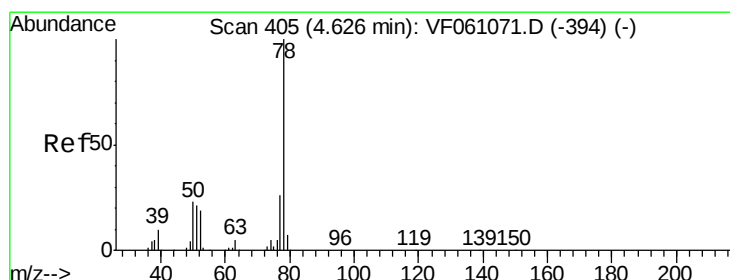
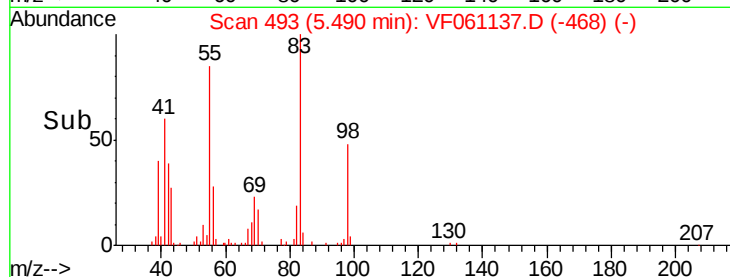
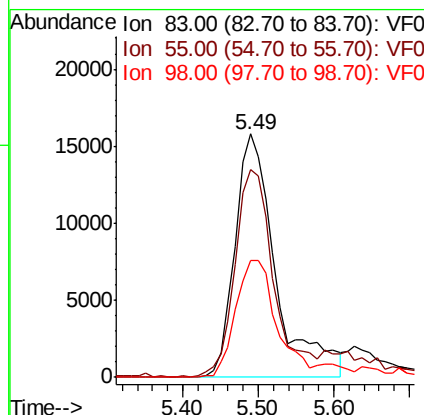
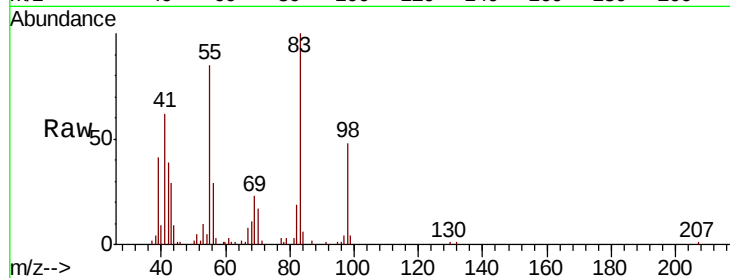
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:	83.00	Resp:	59441
Ion Ratio	Lower	Upper	
83	100		
55	85.4	70.6	105.8
98	48.0	38.5	57.7

Manual Integrations
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#40

Benzene

Concen: 58.819 ug/l

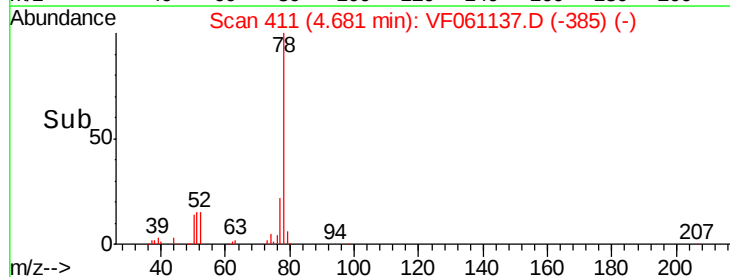
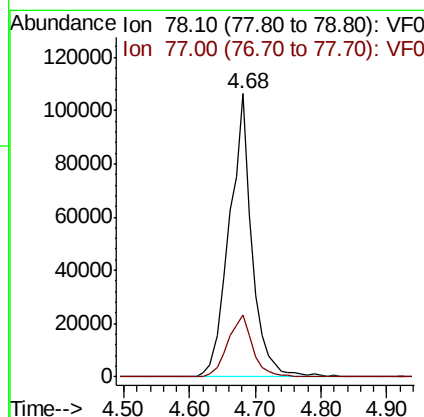
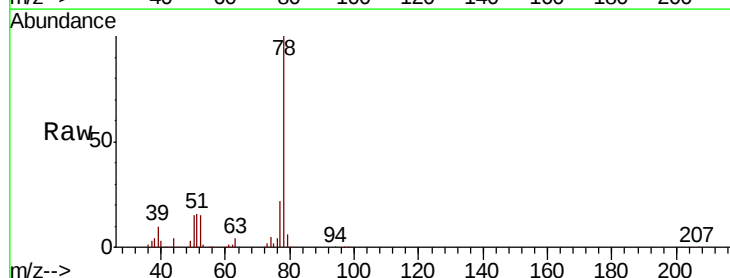
RT: 4.68 min Scan# 411

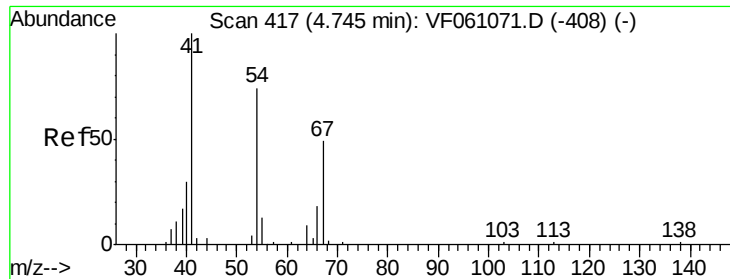
Delta R.T. 0.05 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion:	78	Resp:	255446
Ion Ratio	Lower	Upper	
78	100		
77	22.0	20.7	31.1





#41

Methacrylonitrile

Concen: 65.701 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

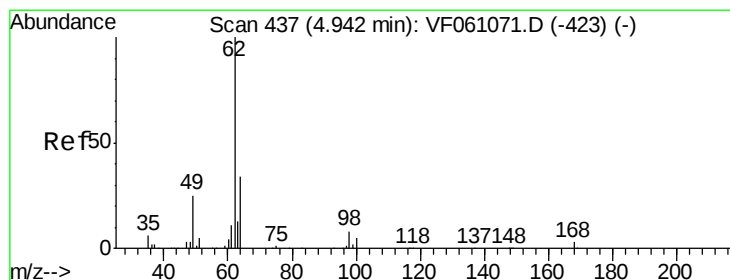
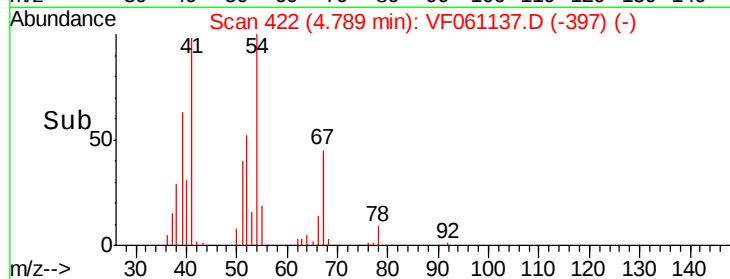
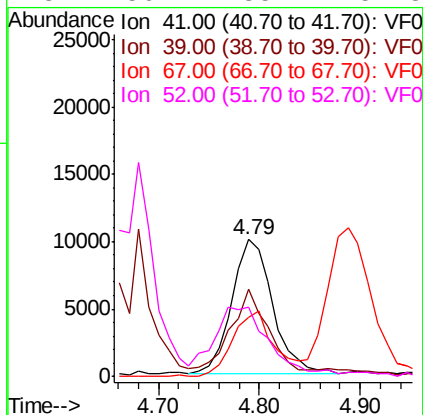
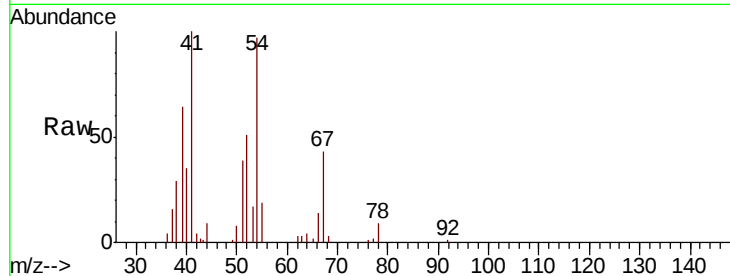
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.1	45.7	68.5
67	43.4	38.9	58.3
52	50.7	35.2	52.8

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#42

1,2-Dichloroethane

Concen: 53.535 ug/l

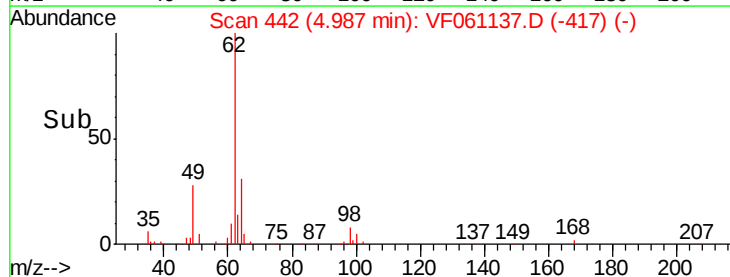
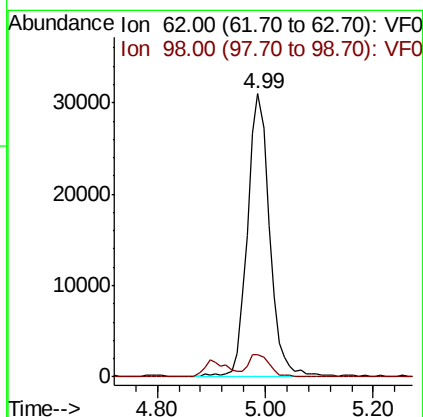
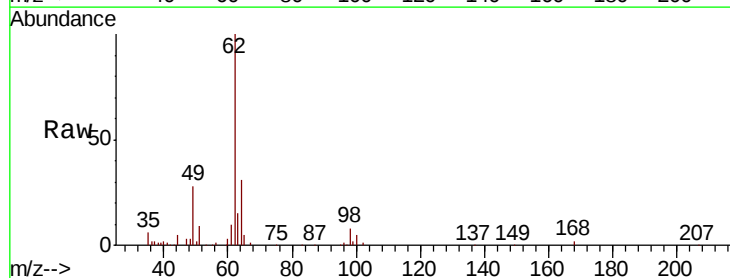
RT: 4.99 min Scan# 442

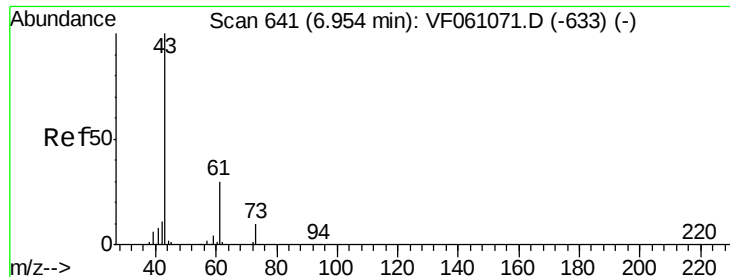
Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





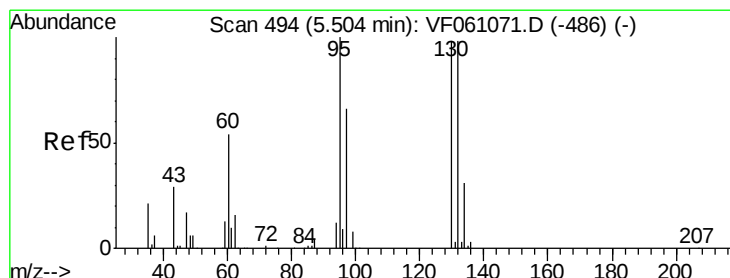
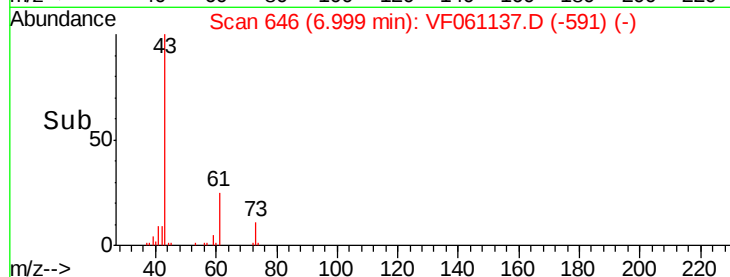
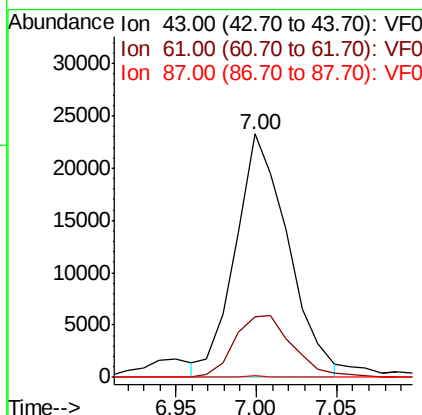
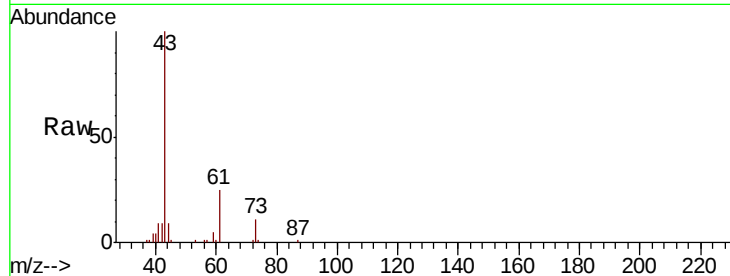
#43
Isopropyl Acetate
Concen: 54.571 ug/l m
RT: 7.00 min Scan# 646
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.7	23.8	35.8
87	0.7	0.0	0.0#

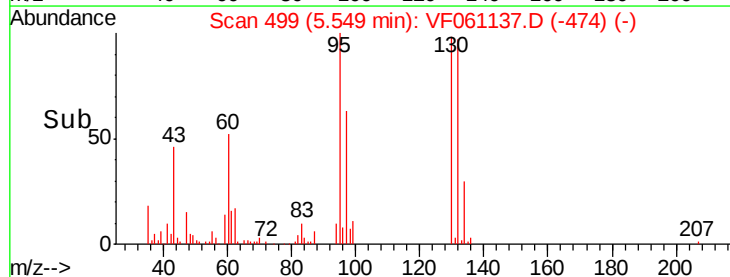
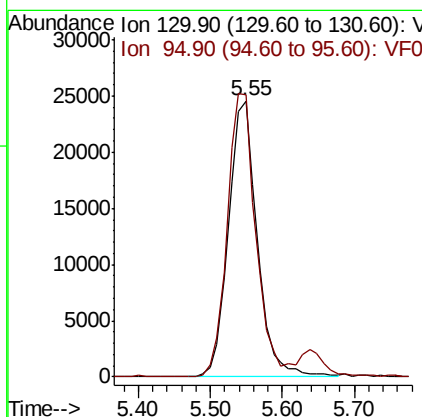
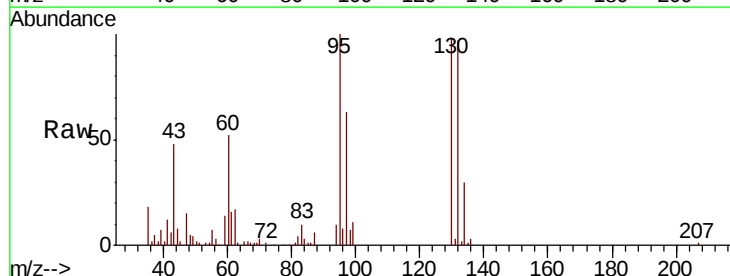
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#44
Trichloroethene
Concen: 49.954 ug/l
RT: 5.55 min Scan# 499
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.2





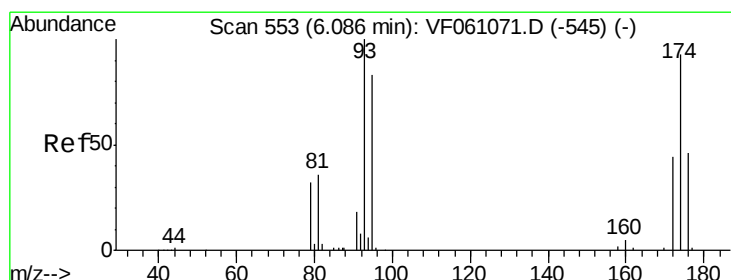
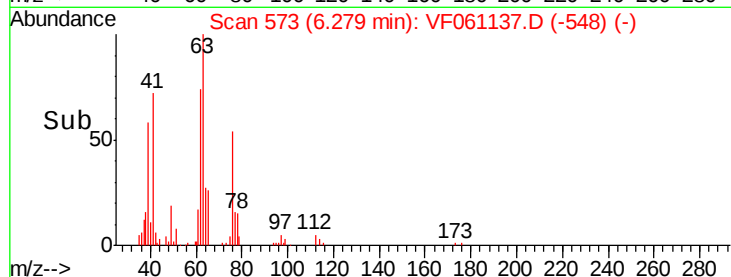
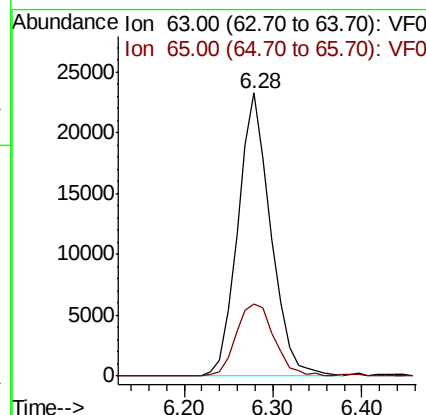
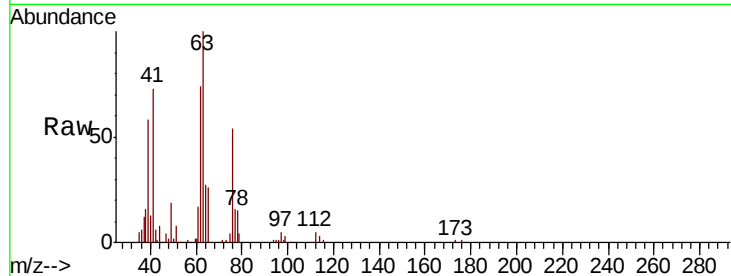
#45
 1,2-Dichloropropane
 Concen: 50.553 ug/l
 RT: 6.28 min Scan# 573
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion: 63 Resp: 59732
 Ion Ratio Lower Upper
 63 100
 65 25.6 24.4 36.6

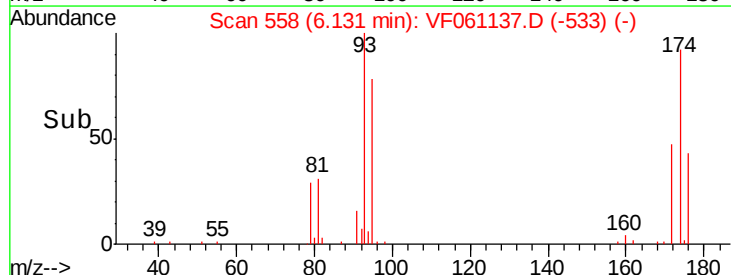
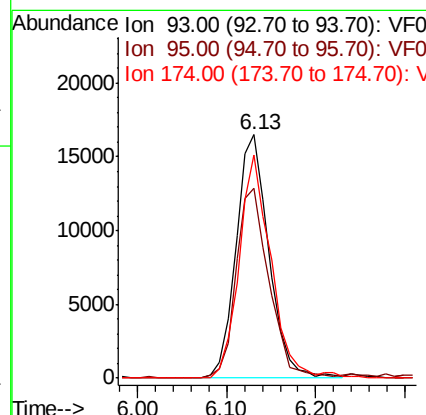
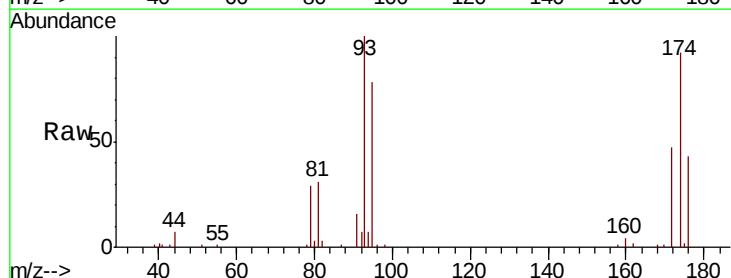
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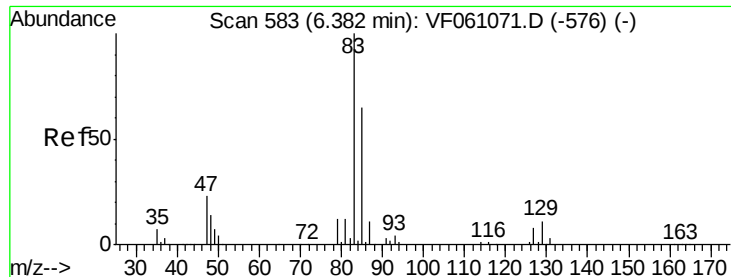
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#46
 Dibromomethane
 Concen: 55.351 ug/l
 RT: 6.13 min Scan# 558
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion: 93 Resp: 42418
 Ion Ratio Lower Upper
 93 100
 95 78.2 66.9 100.3
 174 91.9 74.1 111.1





#47

Bromodichloromethane

Concen: 47.799 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

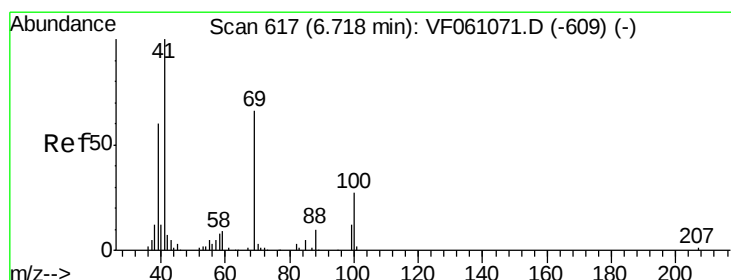
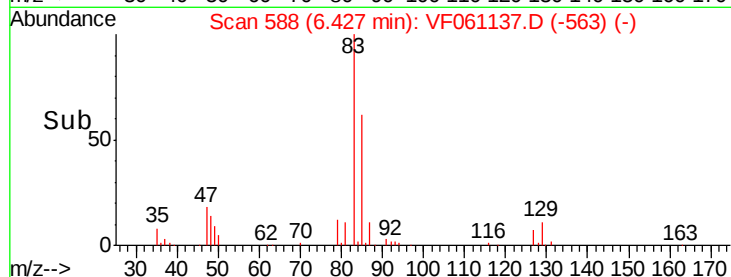
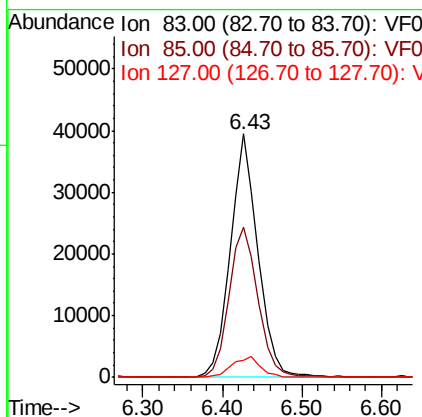
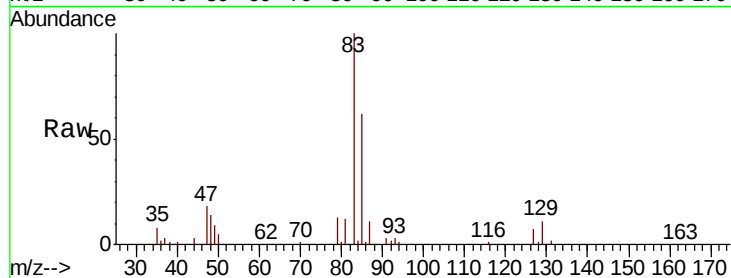
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:	83	Resp:	95175
Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.2	78.4
127	7.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 69.848 ug/l

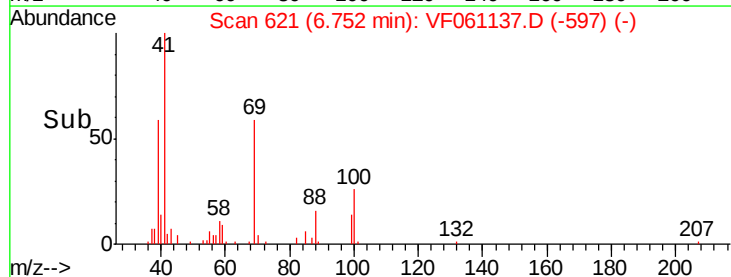
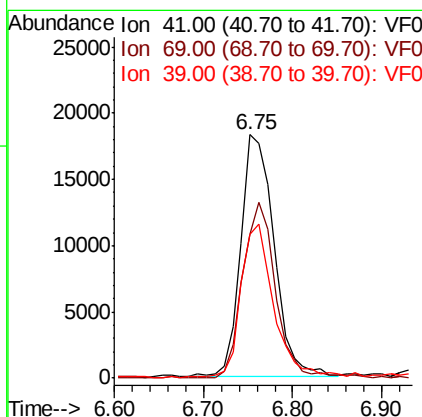
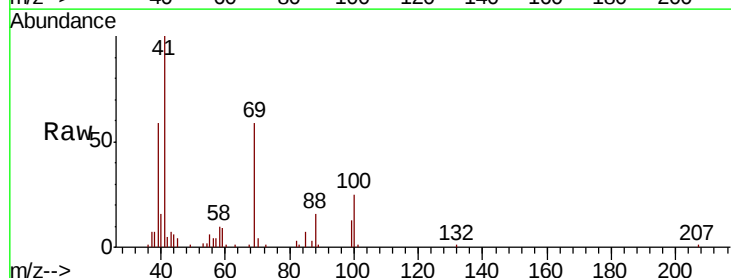
RT: 6.75 min Scan# 621

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion:	41	Resp:	47548
Ion	Ratio	Lower	Upper
41	100		
69	58.9	52.7	79.1
39	59.1	47.8	71.6





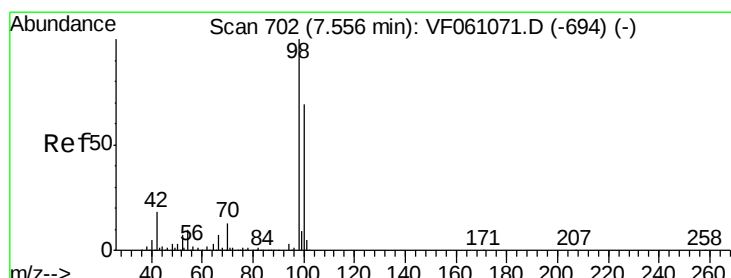
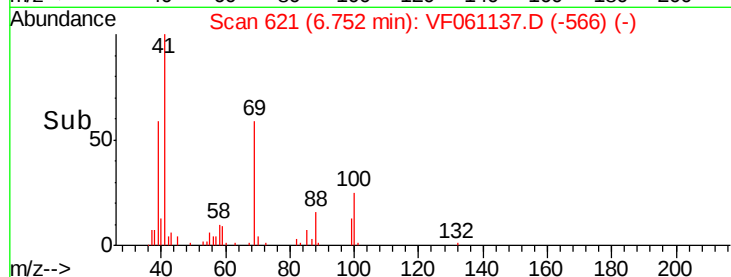
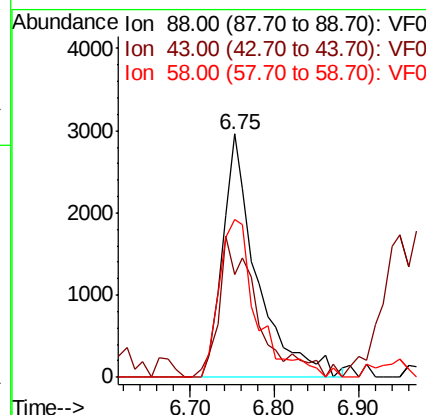
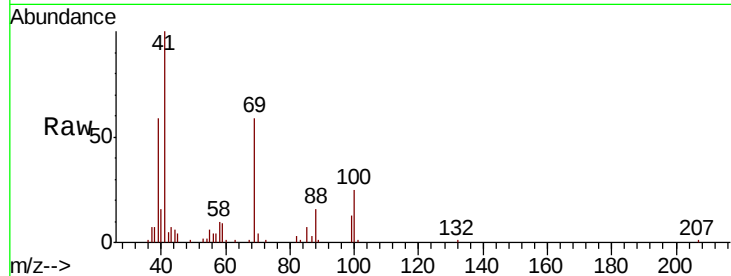
#49
1,4-Dioxane
Concen: 1694.549 ug/l
RT: 6.75 min Scan# 621
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	8370		
43	42.3		33.3	49.9
58	64.9		53.2	79.8

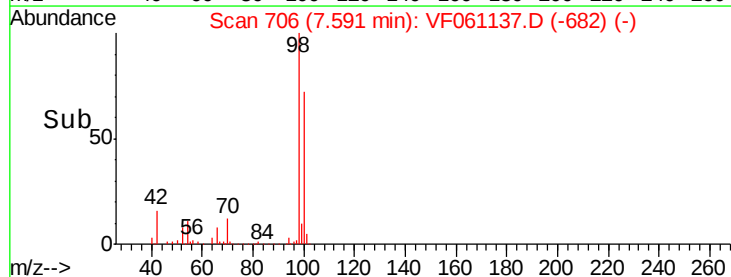
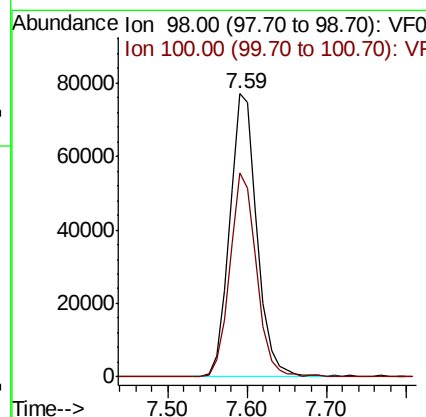
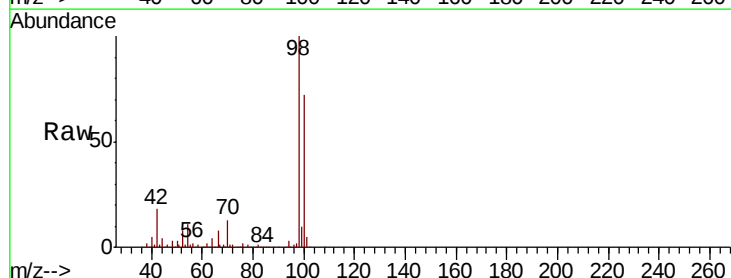
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#50
Toluene-d8
Concen: 48.828 ug/l
RT: 7.59 min Scan# 706
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	185449		
100	72.1		55.3	82.9





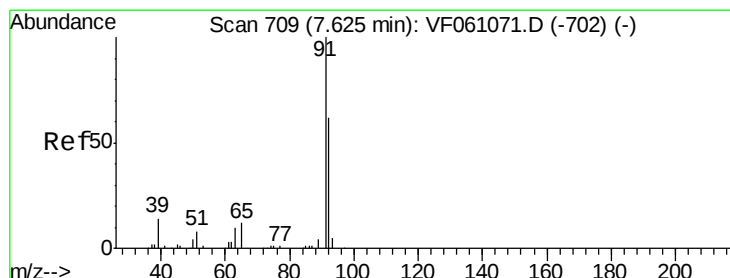
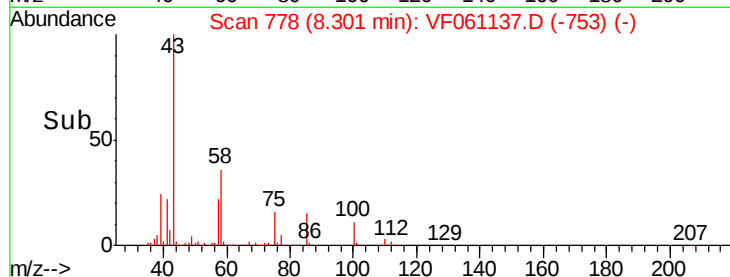
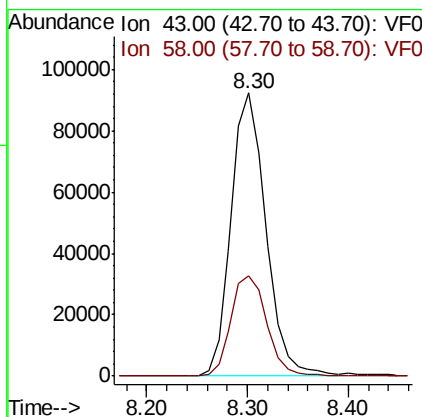
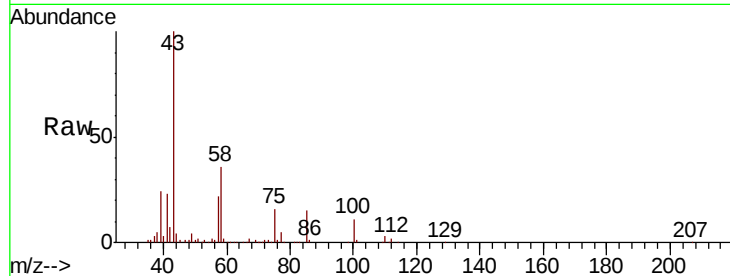
#51
 4-Methyl-2-Pentanone
 Concen: 329.260 ug/l
 RT: 8.30 min Scan# 778
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.1	43.7

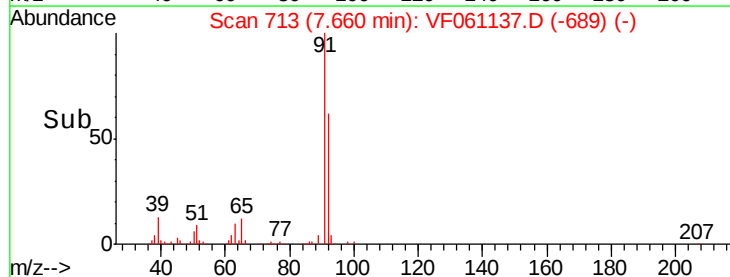
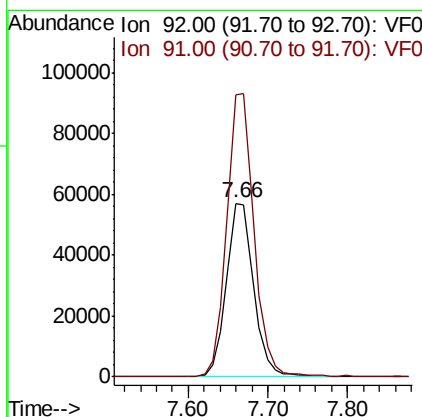
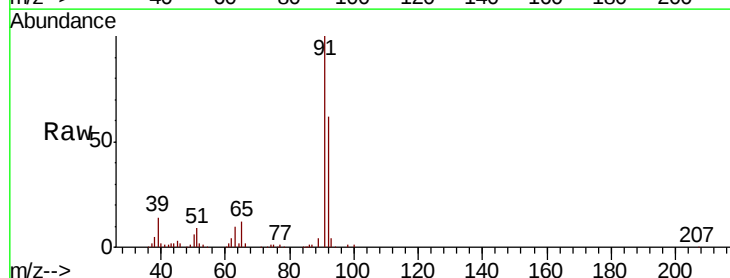
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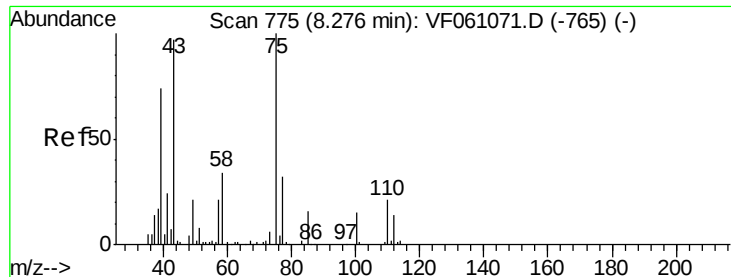
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#52
 Toluene
 Concen: 48.137 ug/l
 RT: 7.66 min Scan# 713
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	162.2	128.8	193.2





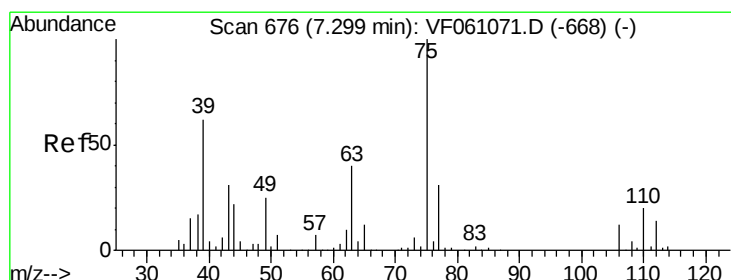
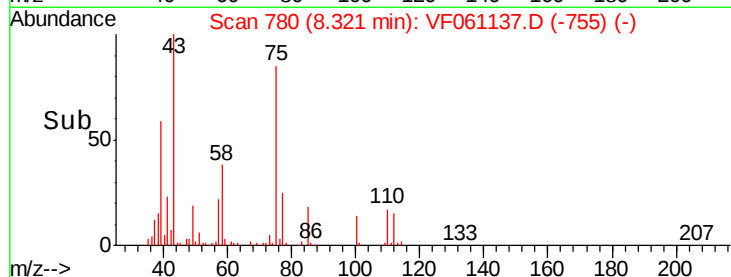
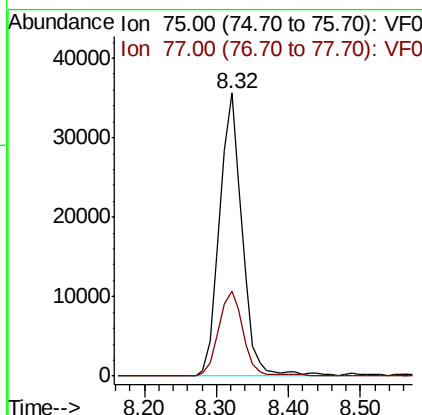
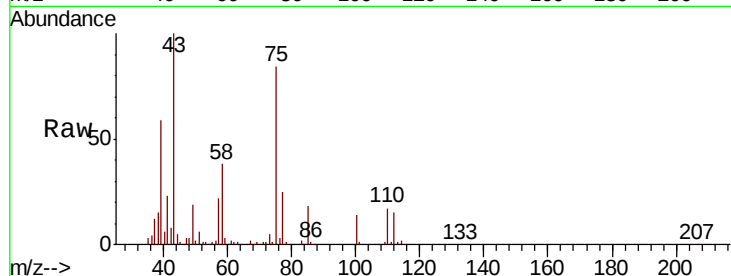
#53
 t-1,3-Dichloropropene
 Concen: 48.291 ug/l
 RT: 8.32 min Scan# 780
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion: 75 Resp: 77570
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.8 38.8

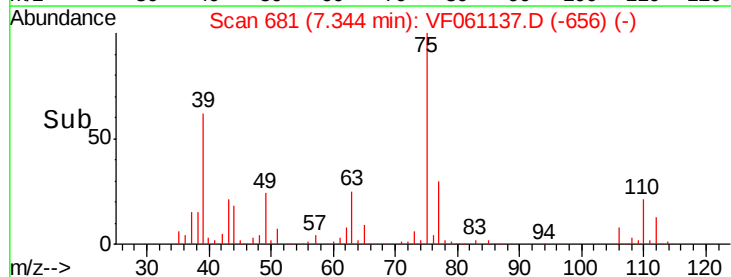
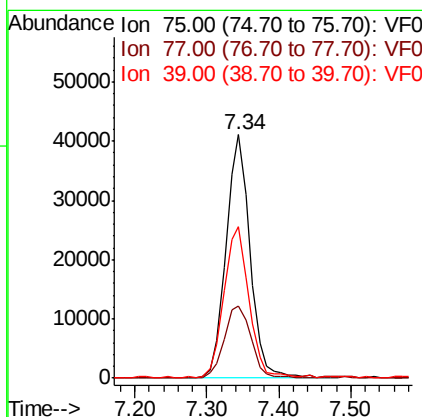
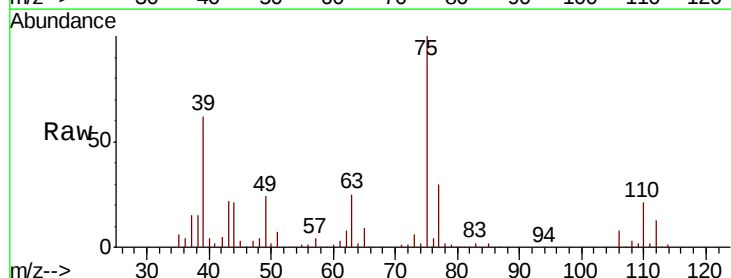
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#54
 cis-1,3-Dichloropropene
 Concen: 47.498 ug/l
 RT: 7.34 min Scan# 681
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion: 75 Resp: 95756
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.0 37.4
 39 62.2 50.1 75.1





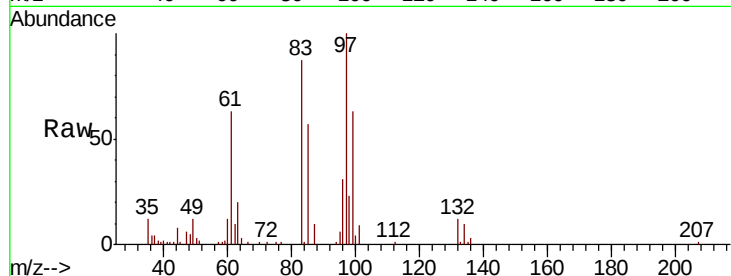
#55
 1,1,2-Trichloroethane
 Concen: 52.592 ug/l
 RT: 8.54 min Scan# 802
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	75.0	112.4
85	56.6	47.5	71.3
99	62.6	51.9	77.9

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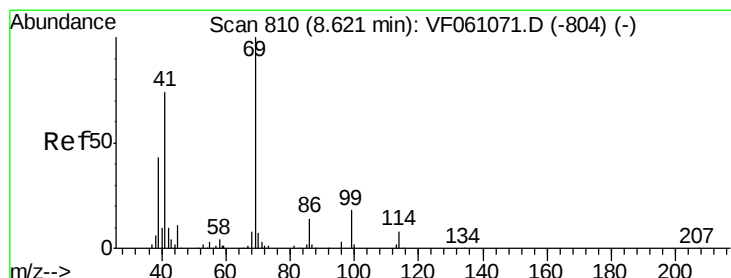
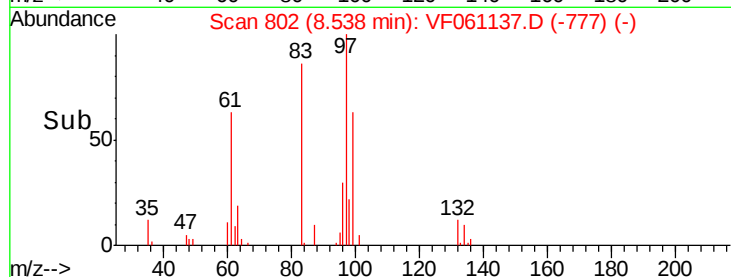
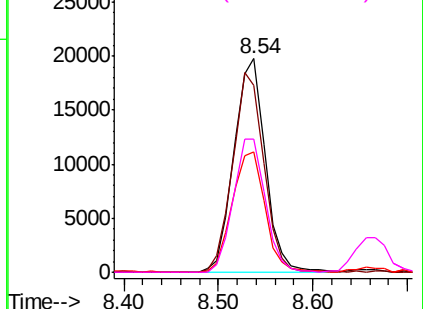


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

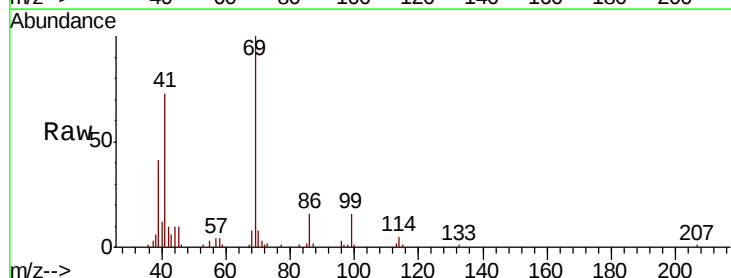
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56
 Ethyl methacrylate
 Concen: 47.361 ug/l
 RT: 8.67 min Scan# 815
 Delta R.T. 0.04 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

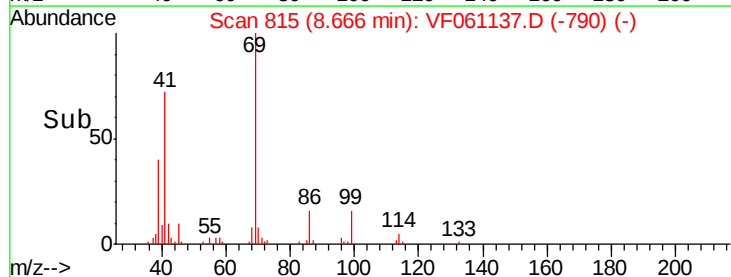
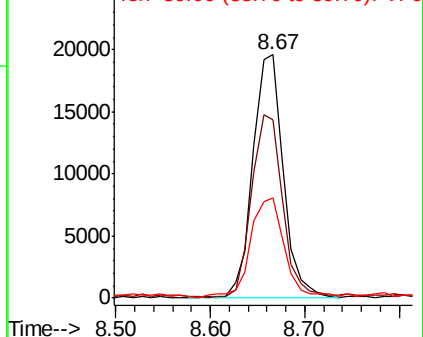
Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.2	59.7	89.5
39	40.9	35.0	52.6

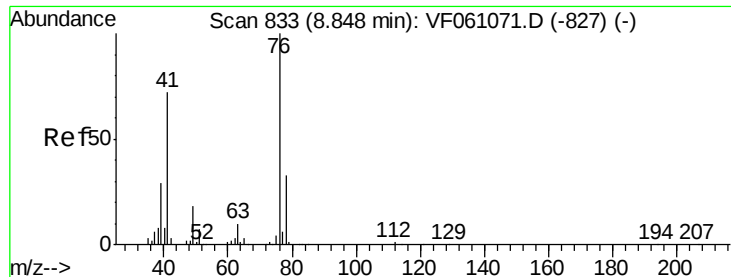


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.304 ug/l

RT: 8.89 min Scan# 838

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 76 Resp: 79968

Ion Ratio Lower Upper

76 100

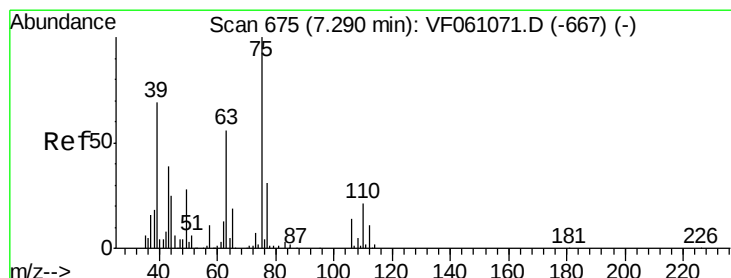
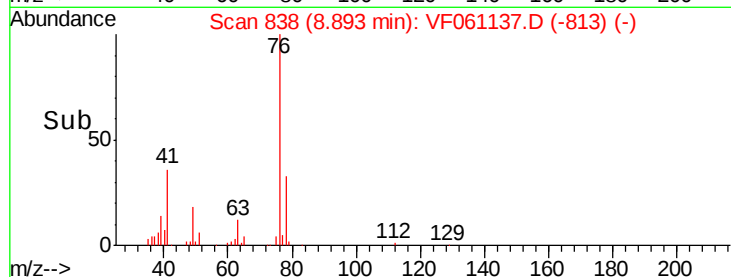
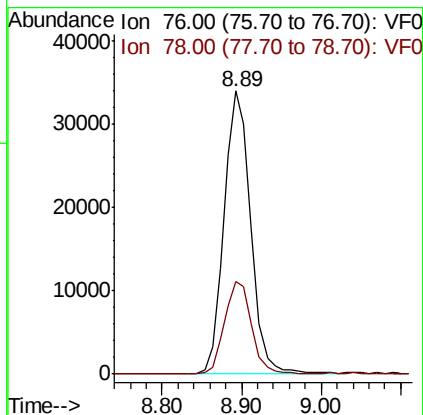
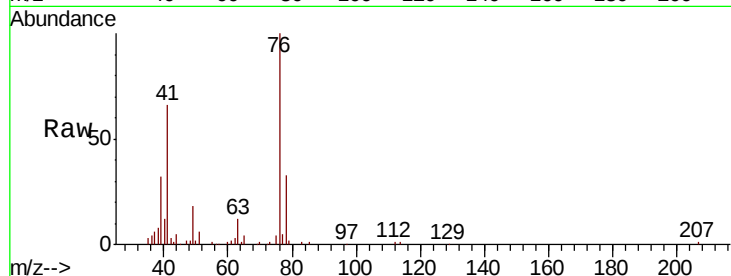
78 32.7 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 156.150 ug/l

RT: 7.33 min Scan# 680

Delta R.T. 0.04 min

Lab File: VF061137.D

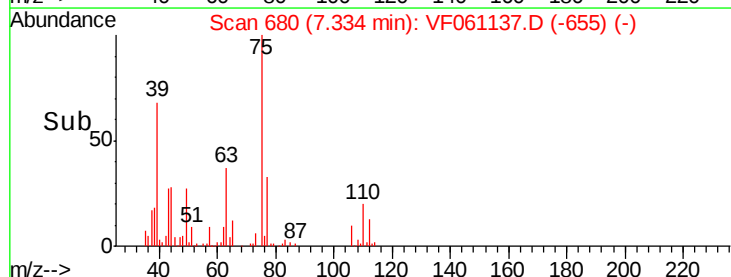
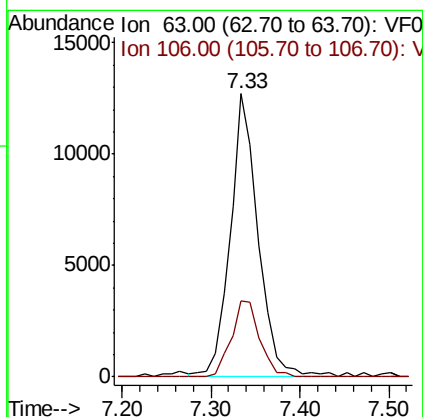
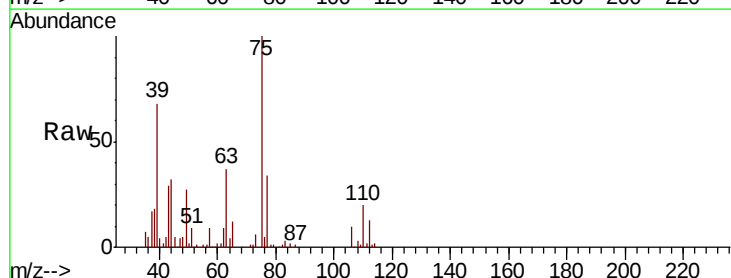
Acq: 21 Dec 2018 20:34

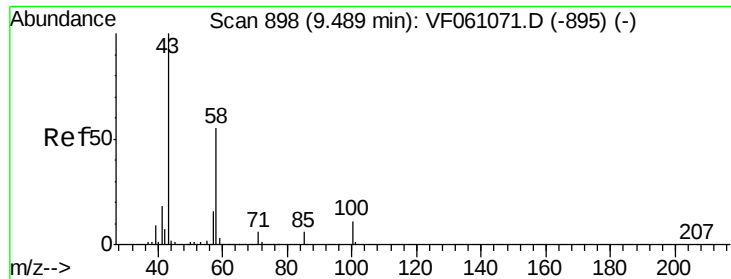
Tgt Ion: 63 Resp: 27967

Ion Ratio Lower Upper

63 100

106 27.0 19.8 29.8





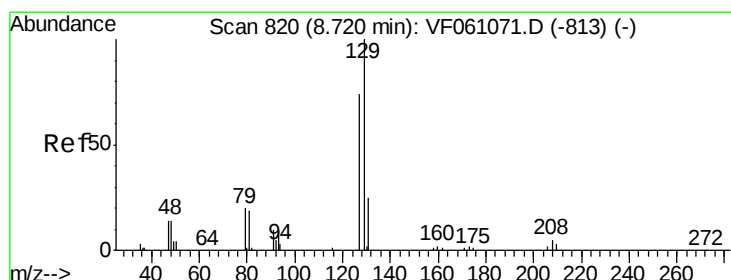
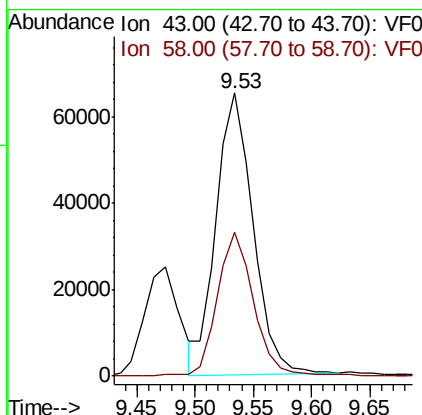
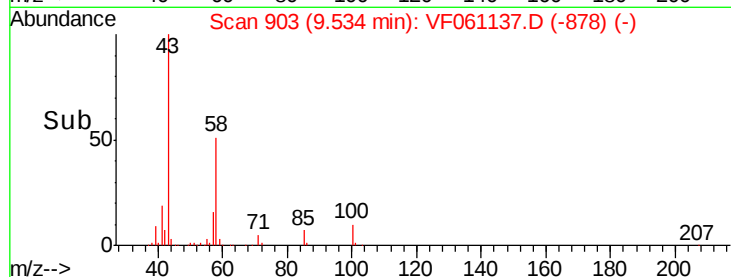
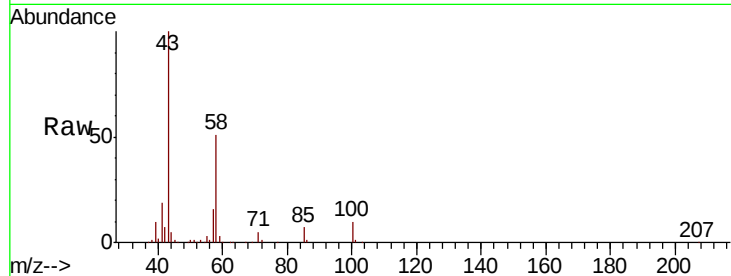
#59
2-Hexanone
Concen: 298.644 ug/l
RT: 9.53 min Scan# 903
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion: 43 Resp: 144432
Ion Ratio Lower Upper
43 100
58 51.0 25.1 75.2

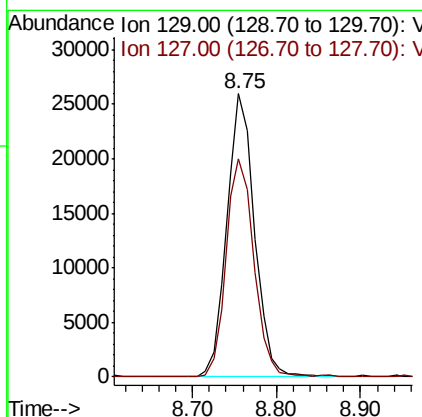
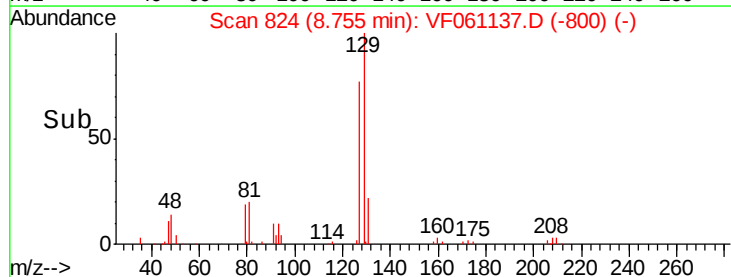
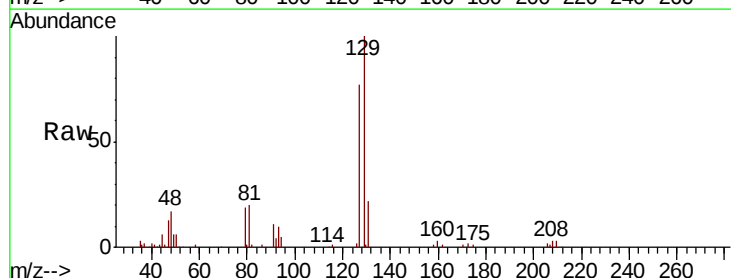
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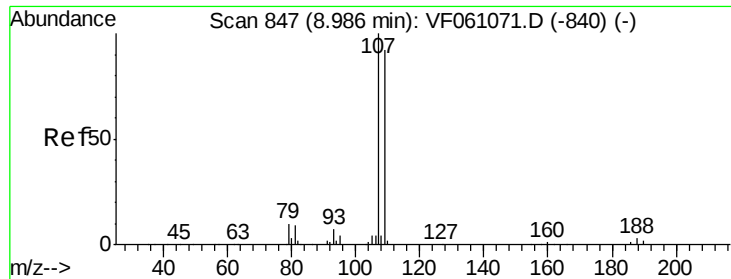
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#60
Dibromochloromethane
Concen: 48.004 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion: 129 Resp: 59303
Ion Ratio Lower Upper
129 100
127 77.0 36.8 110.3





#61

1,2-Dibromoethane

Concen: 53.476 ug/l

RT: 9.03 min Scan# 852

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 107 Resp: 49220

Ion Ratio Lower Upper

107 100

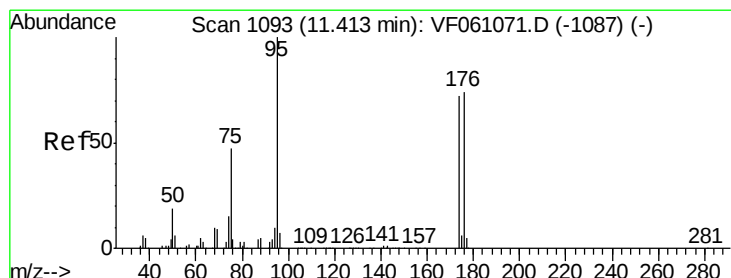
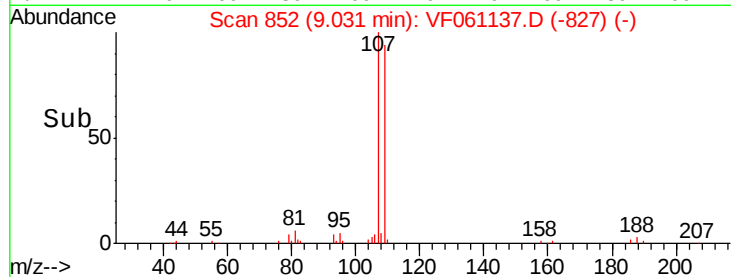
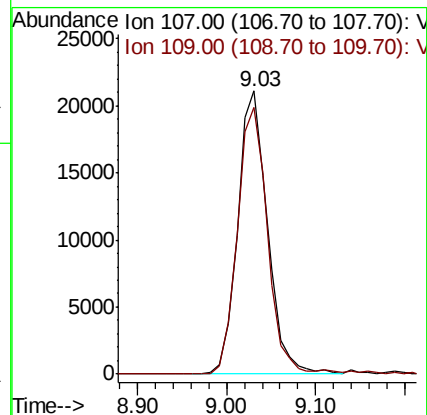
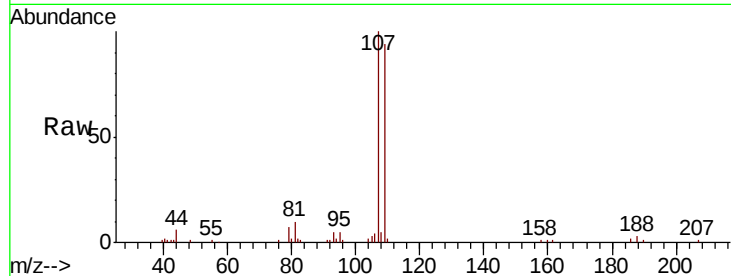
109 94.5 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 34.364 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

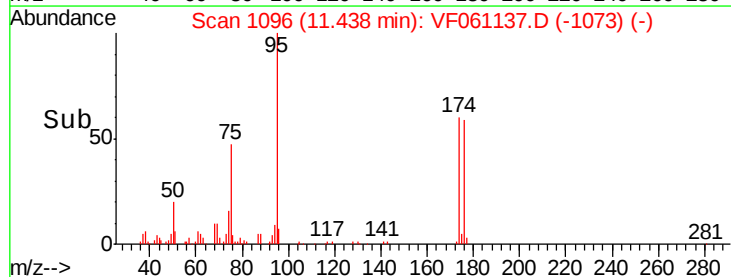
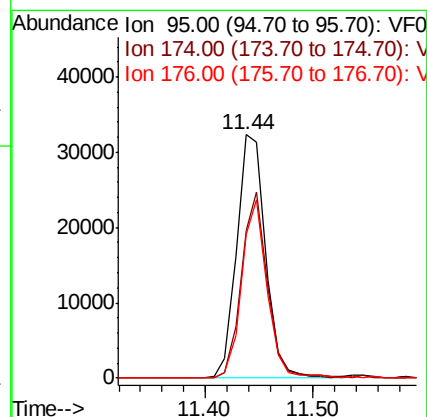
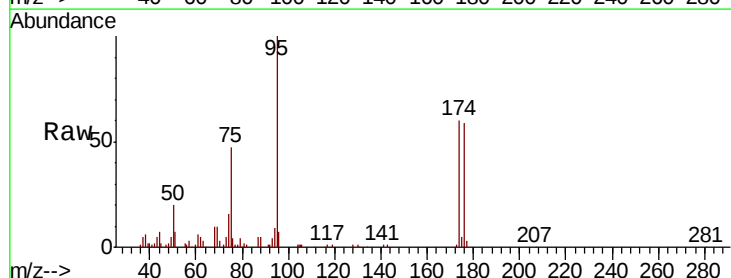
Tgt Ion: 95 Resp: 60169

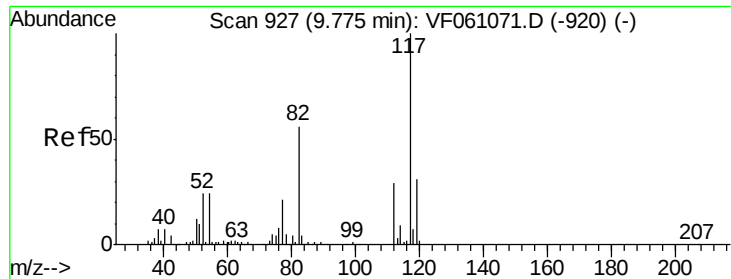
Ion Ratio Lower Upper

95 100

174 60.5 0.0 143.8

176 59.0 0.0 147.6





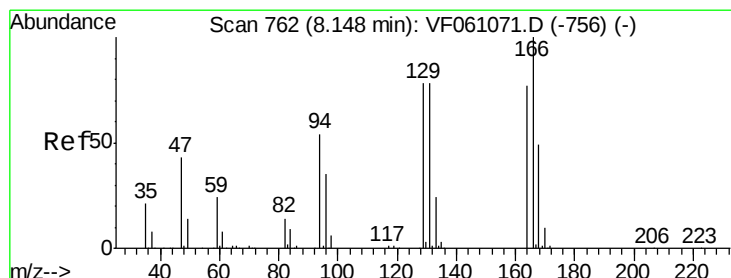
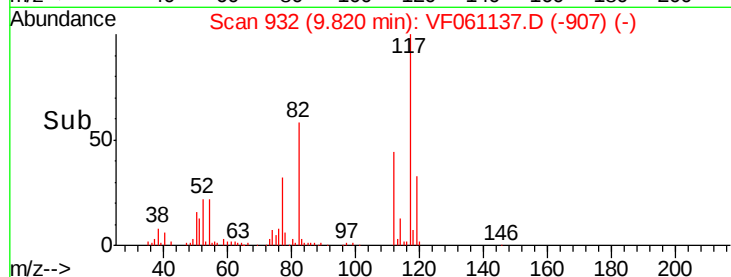
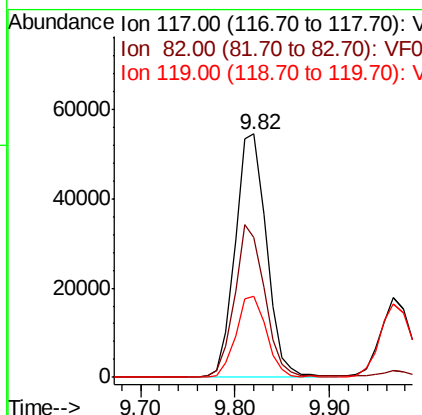
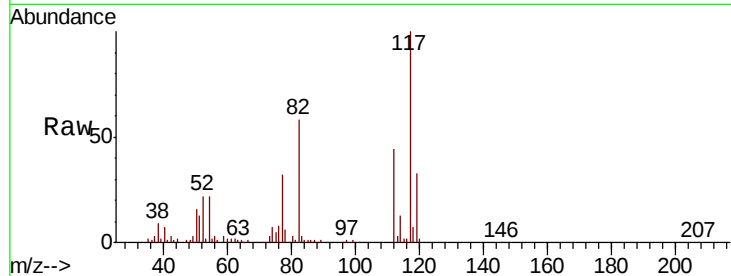
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	125413		
82	57.7	45.0	67.4	
119	33.1	24.8	37.2	

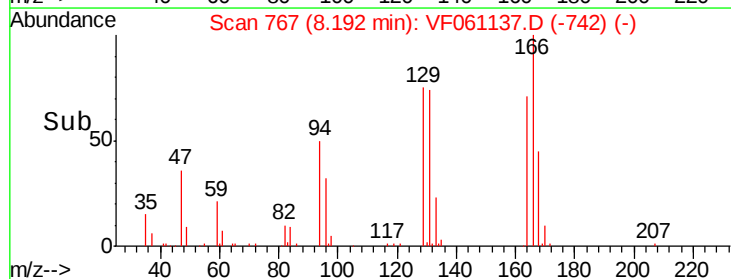
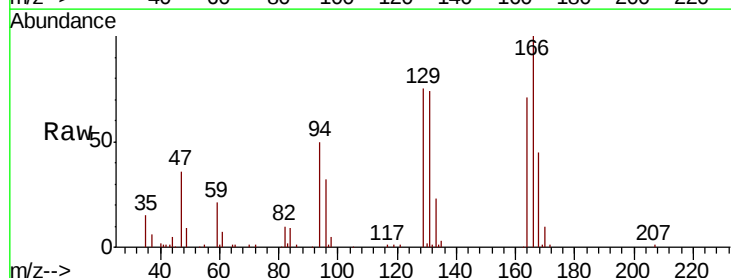
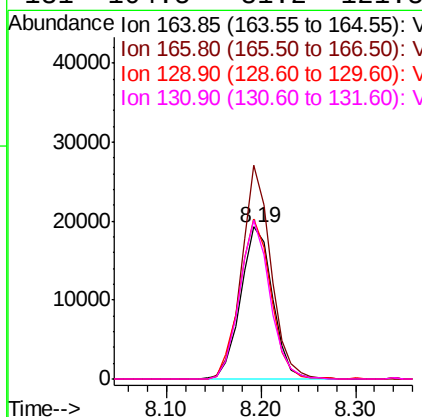
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#64
Tetrachloroethene
Concen: 46.433 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44796		
166	140.8	104.0	156.0	
129	105.7	81.1	121.7	
131	104.5	81.2	121.8	





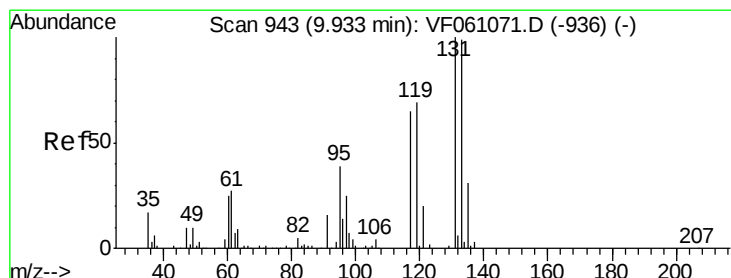
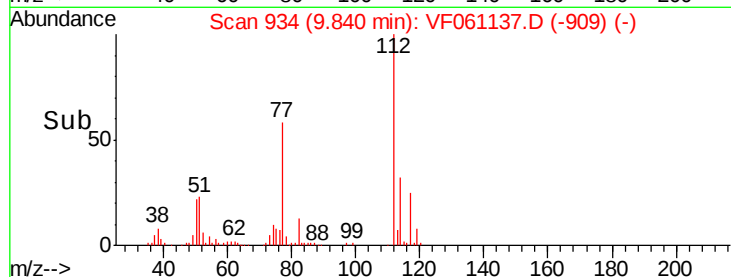
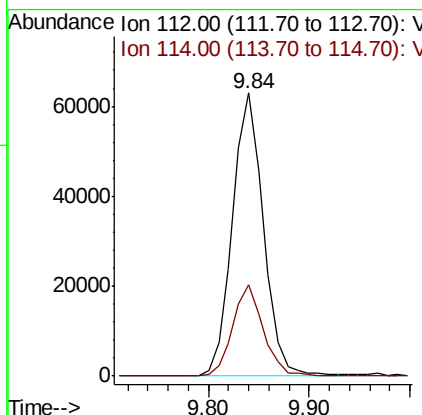
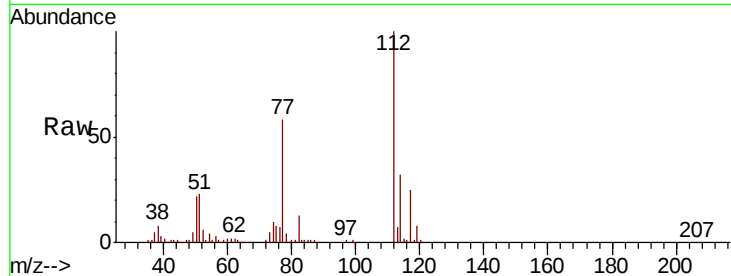
#65
Chlorobenzene
Concen: 51.928 ug/l
RT: 9.84 min Scan# 934
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion:112 Resp: 134537
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.6

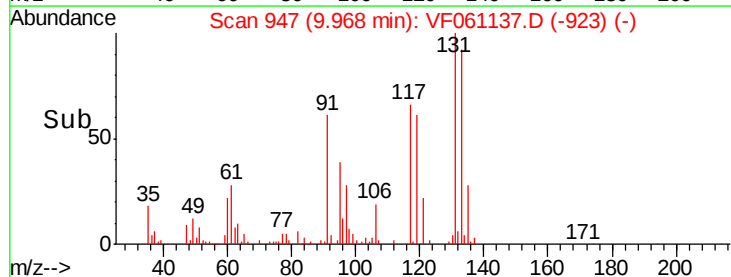
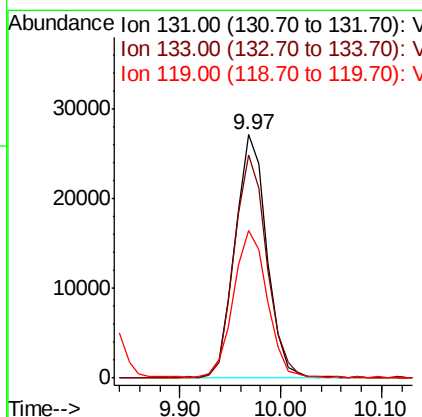
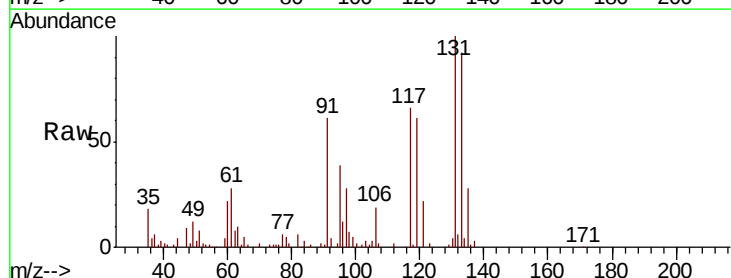
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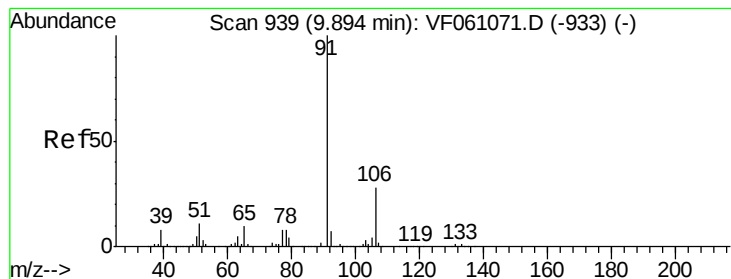
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.128 ug/l
RT: 9.97 min Scan# 947
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion:131 Resp: 59427
Ion Ratio Lower Upper
131 100
133 91.5 49.5 148.7
119 60.7 34.5 103.5





#67

Ethyl Benzene

Concen: 50.375 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 91 Resp: 237775

Ion Ratio Lower Upper

91 100

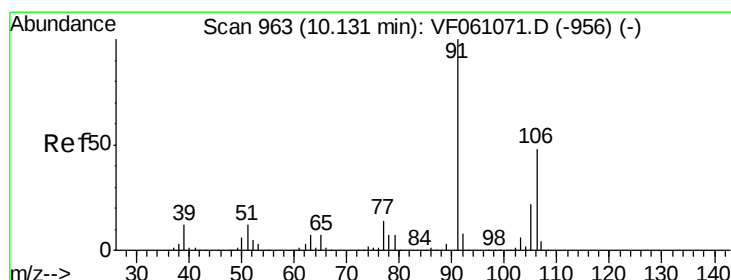
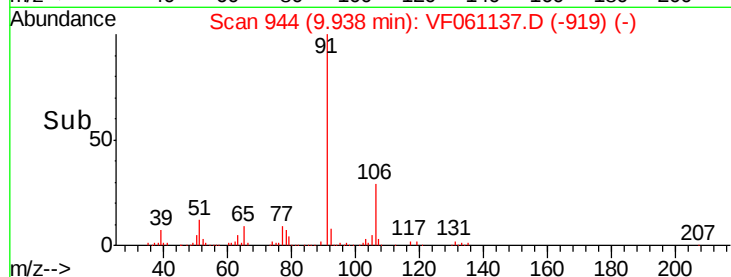
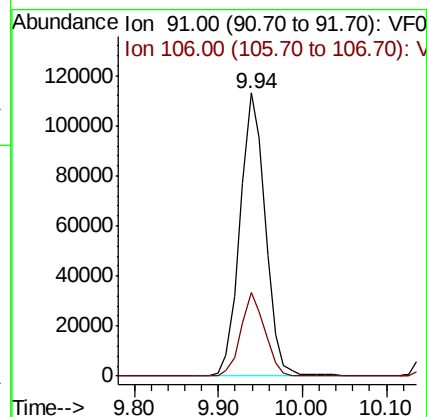
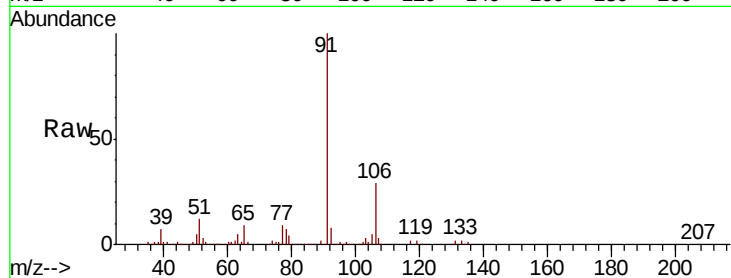
106 29.4 22.5 33.7

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#68

m/p-Xylenes

Concen: 94.348 ug/l

RT: 10.18 min Scan# 968

Delta R.T. 0.04 min

Lab File: VF061137.D

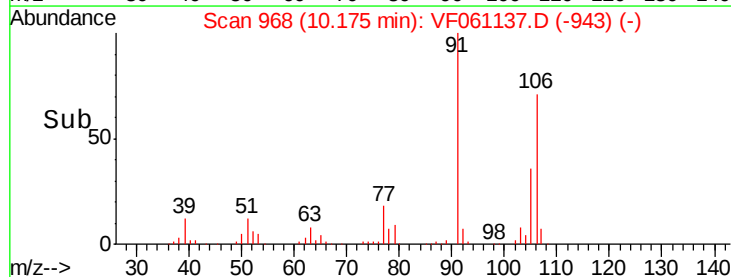
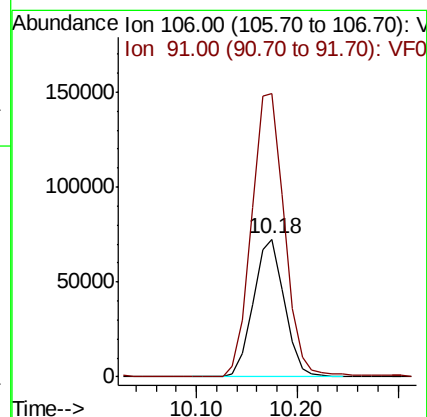
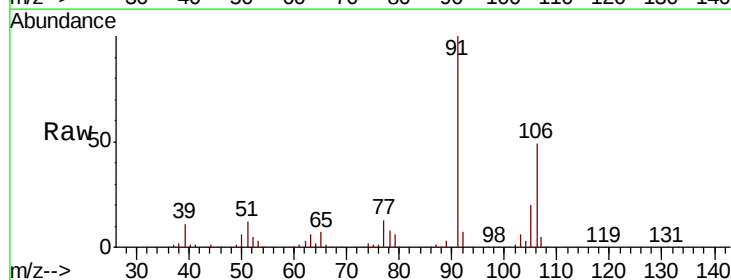
Acq: 21 Dec 2018 20:34

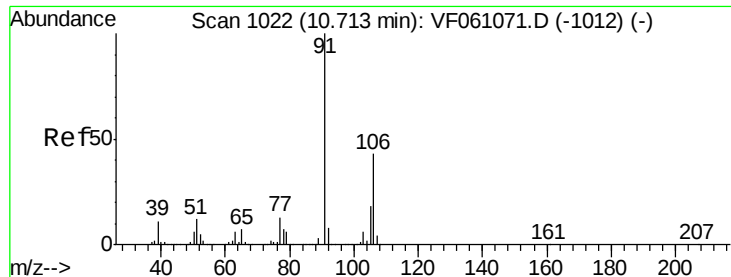
Tgt Ion: 106 Resp: 156722

Ion Ratio Lower Upper

106 100

91 205.4 168.2 252.2





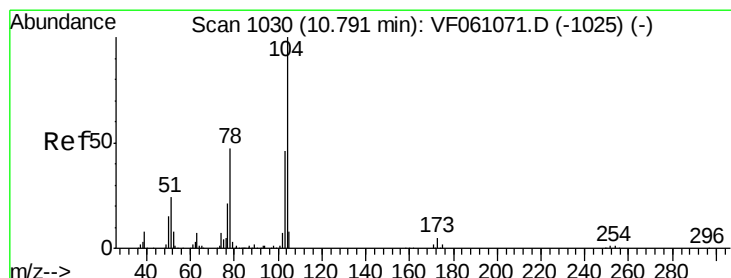
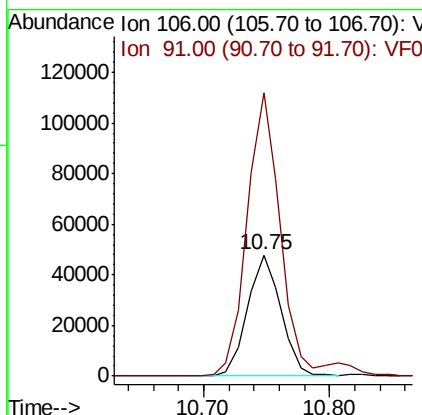
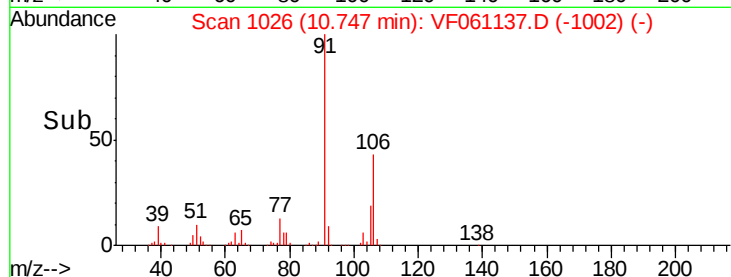
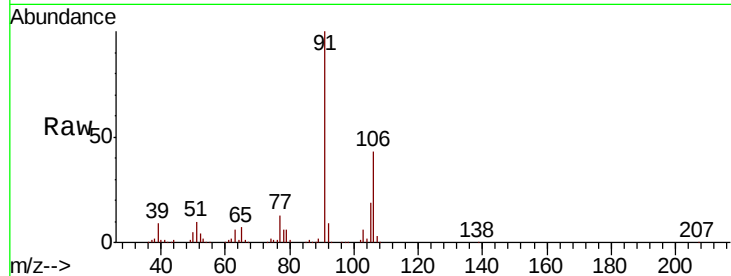
#69
o-Xylene
Concen: 47.801 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion:106 Resp: 88062
Ion Ratio Lower Upper
106 100
91 234.0 115.9 347.7

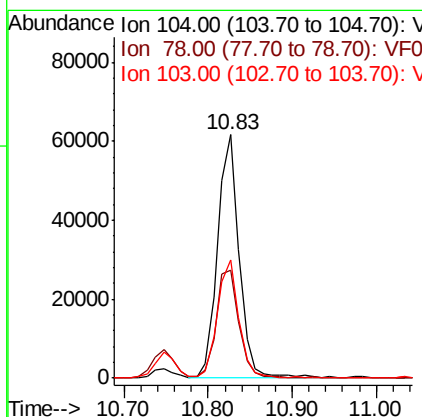
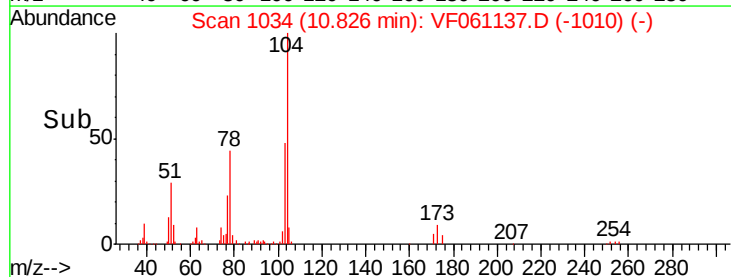
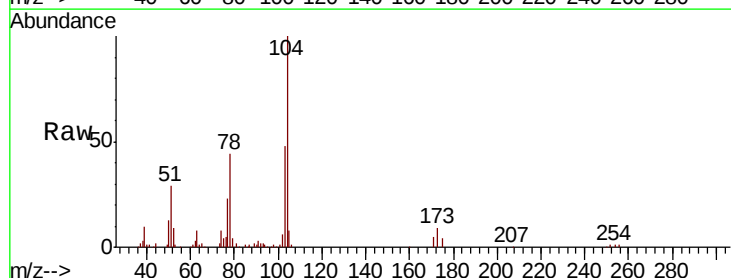
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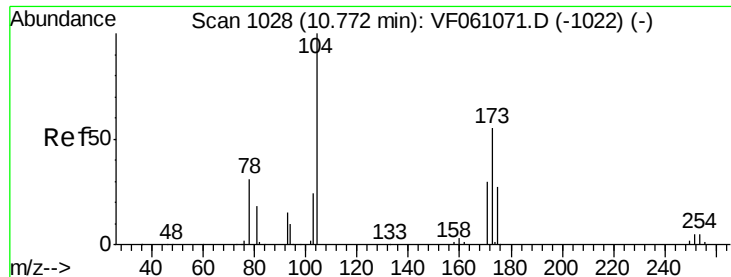
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#70
Styrene
Concen: 48.628 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.04 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion:104 Resp: 109465
Ion Ratio Lower Upper
104 100
78 44.4 38.4 57.6
103 48.3 37.0 55.6





#71

Bromoform

Concen: 58.429 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

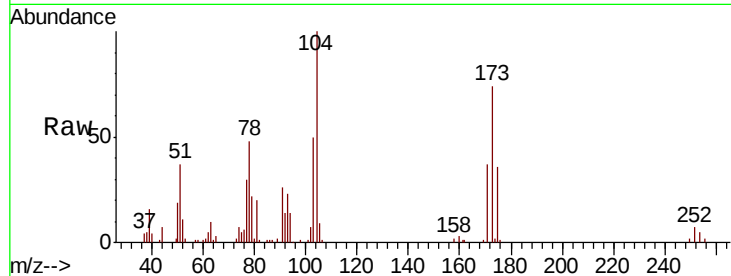
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:	173	Resp:	28621
Ion Ratio	Lower	Upper	
173	100		
175	50.0	24.8	74.4
254	0.0	0.0	0.0

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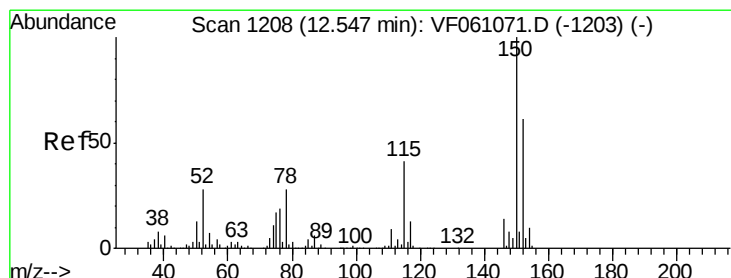
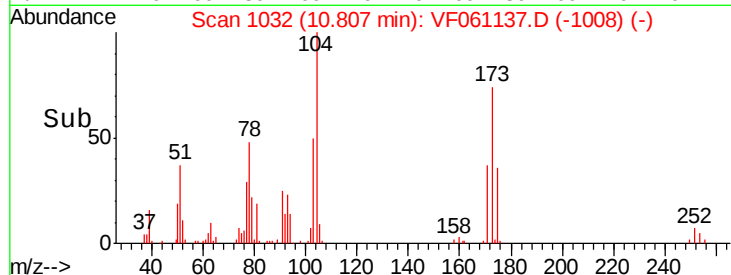
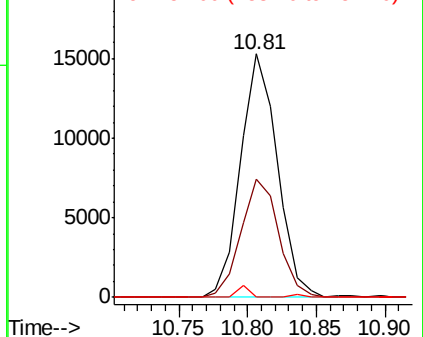


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

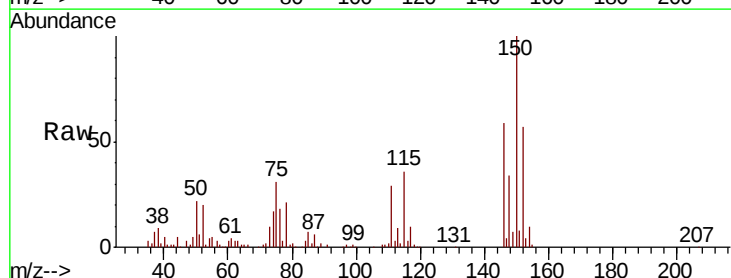
RT: 12.58 min Scan# 1212

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion:	152	Resp:	38784
Ion Ratio	Lower	Upper	
152	100		
115	63.5	33.3	99.9
150	174.2	0.0	328.2

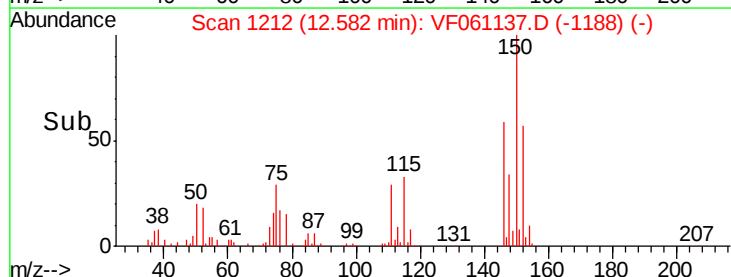
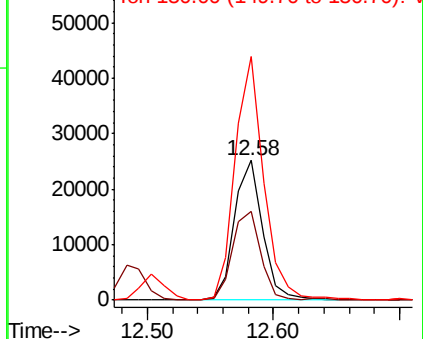


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 67.584 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion: 105 Resp: 225880

Ion Ratio Lower Upper

105 100

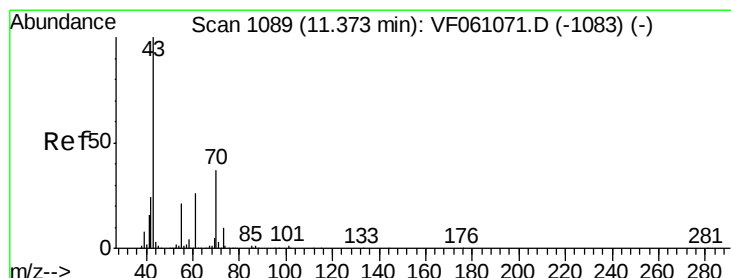
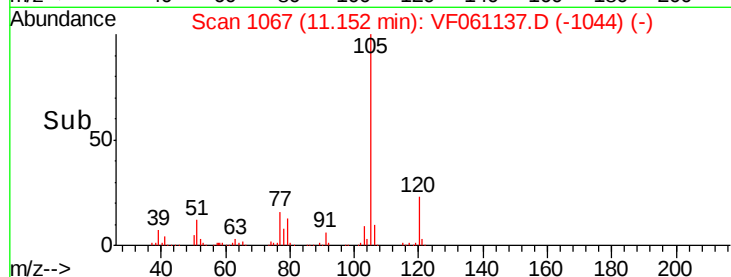
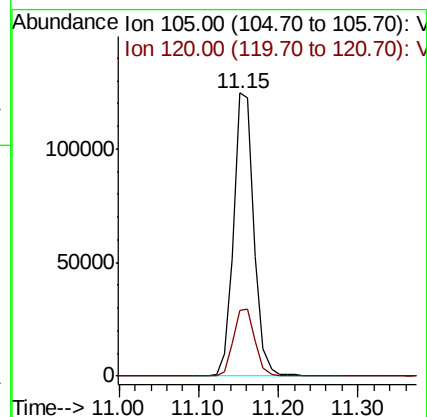
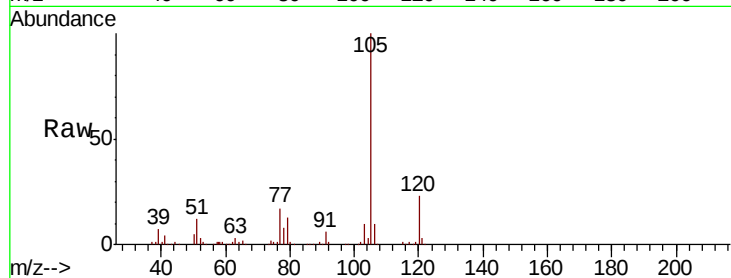
120 23.0 13.0 39.0

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#74

N-ethyl acetate

Concen: 70.547 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion: 43 Resp: 52348

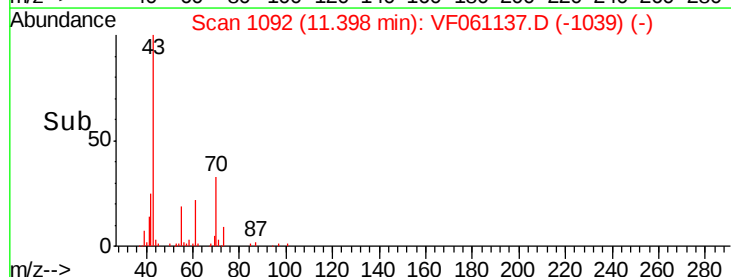
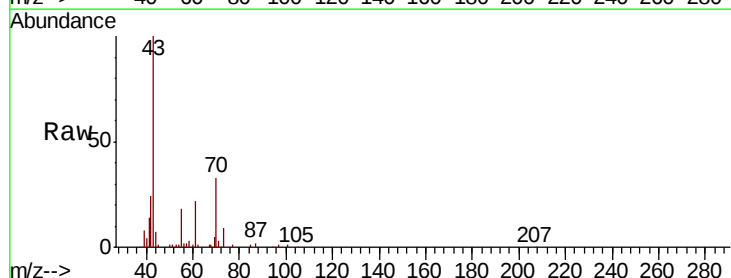
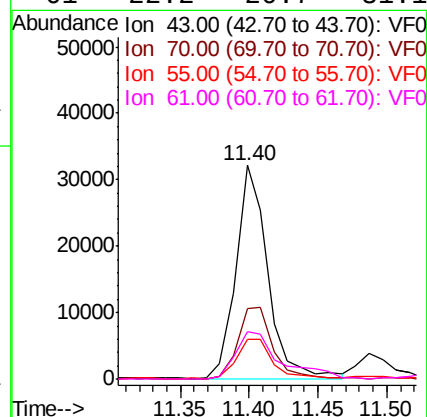
Ion Ratio Lower Upper

43 100

70 32.9 29.2 43.8

55 18.5 16.5 24.7

61 22.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 105.937 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

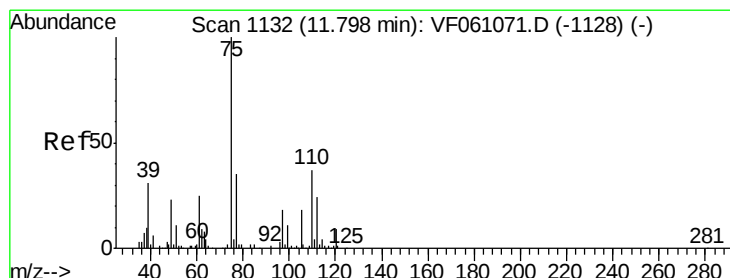
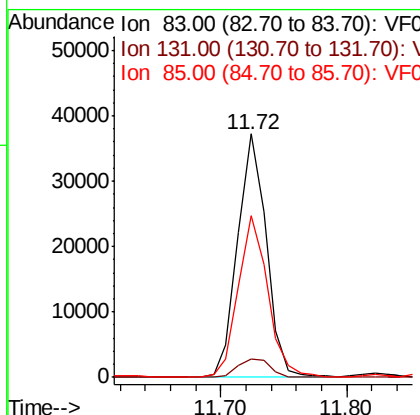
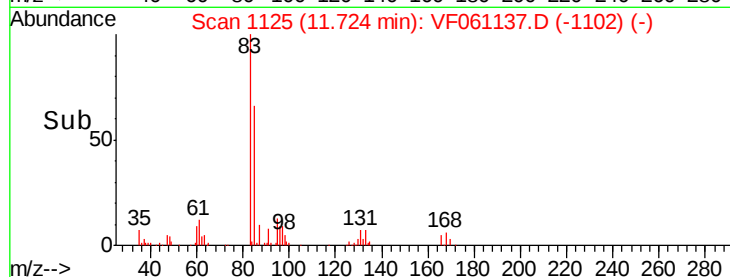
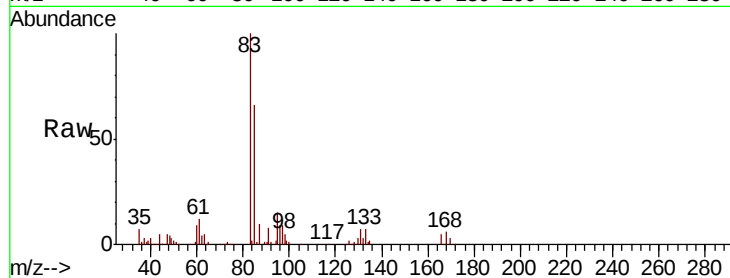
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:	83	Resp:	58763
Ion Ratio	Lower	Upper	
83	100		
131	7.4	4.8	14.3
85	66.2	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 106.203 ug/l

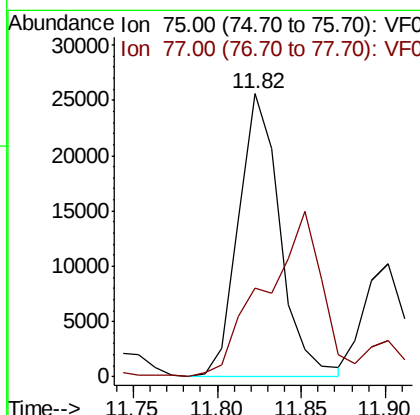
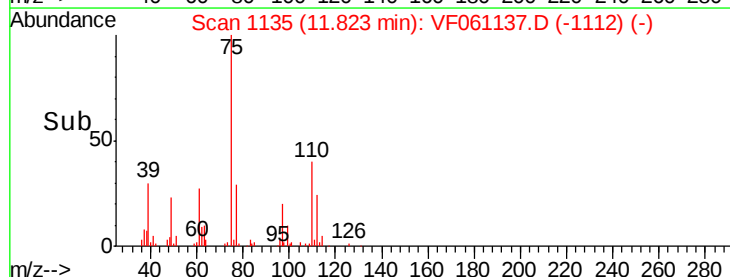
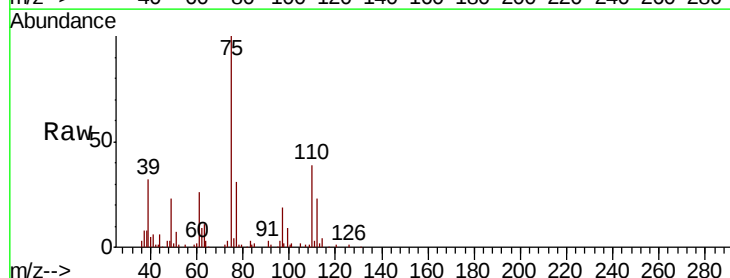
RT: 11.82 min Scan# 1135

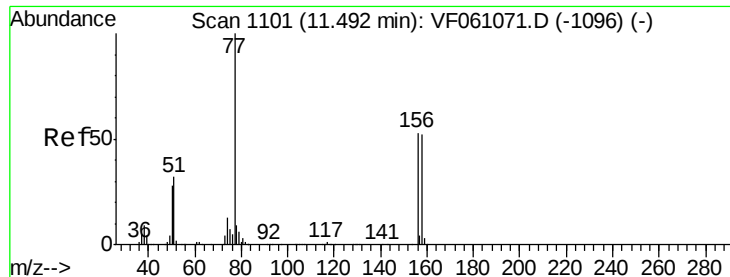
Delta R.T. 0.02 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion:	75	Resp:	43841
Ion Ratio	Lower	Upper	
75	100		
77	31.5	17.6	52.9





#77

Bromobenzene

Concen: 66.694 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

ClientSampleId :

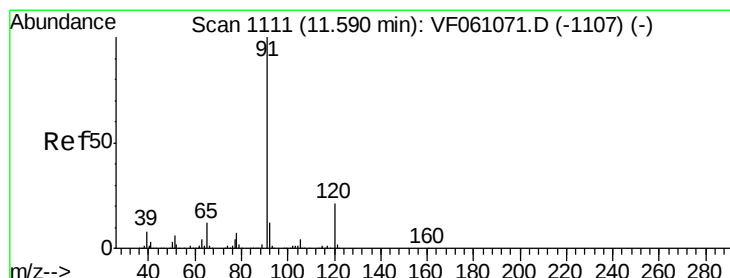
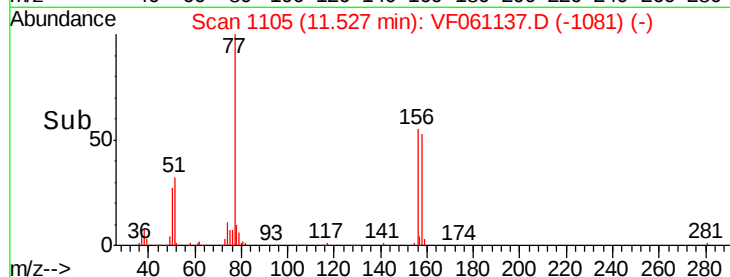
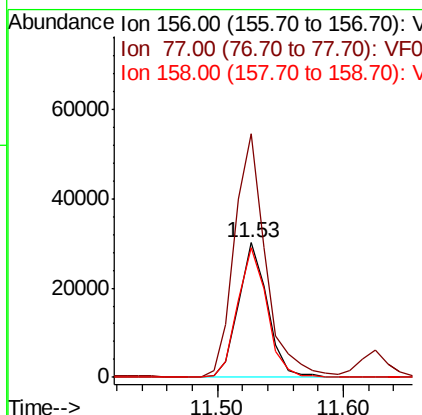
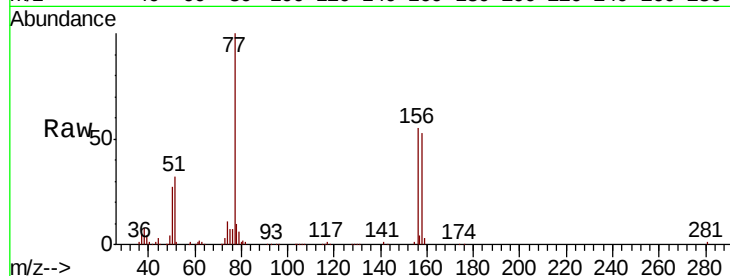
P001-SD006-0612-01MS

Tgt Ion: 156 Resp: 47984

Ion	Ratio	Lower	Upper
156	100		
77	180.9	93.8	281.4
158	96.7	48.9	146.8

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#78

n-propylbenzene

Concen: 61.414 ug/l

RT: 11.63 min Scan# 1115

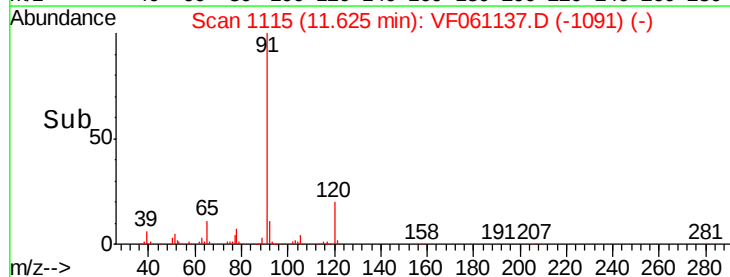
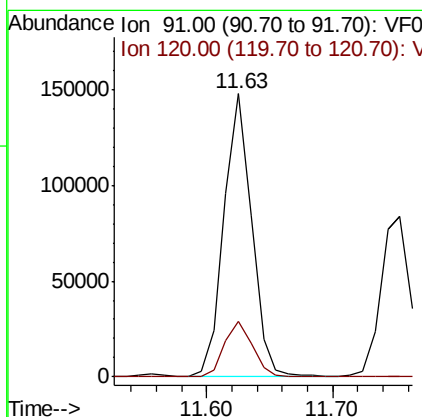
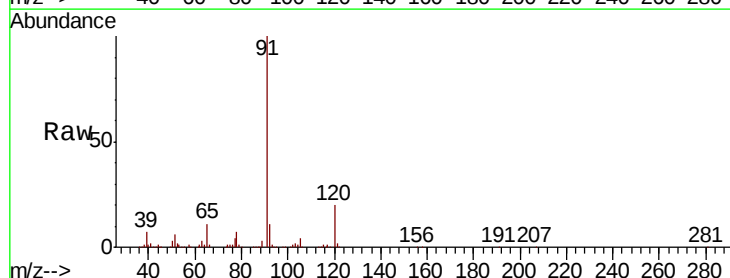
Delta R.T. 0.04 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion: 91 Resp: 225141

Ion	Ratio	Lower	Upper
91	100		
120	19.8	10.4	31.2





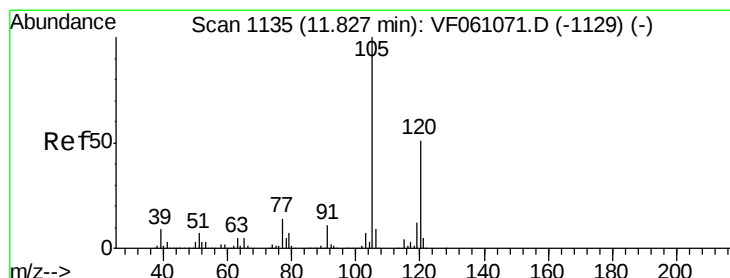
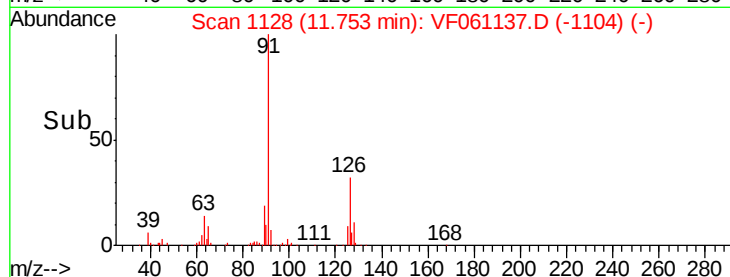
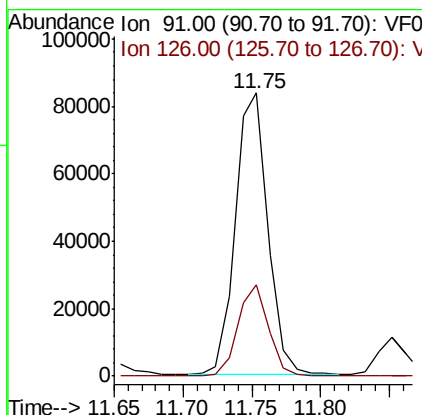
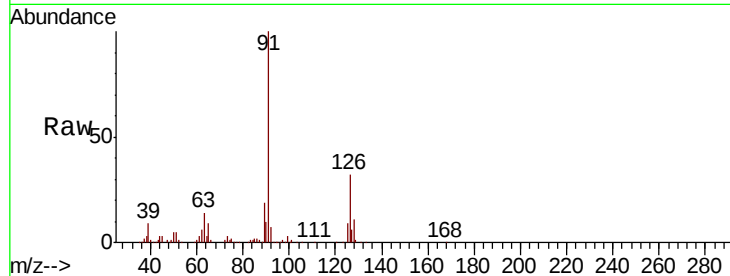
#79
 2-Chlorotoluene
 Concen: 59.976 ug/l
 RT: 11.75 min Scan# 1128
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion: 91 Resp: 137511
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.1

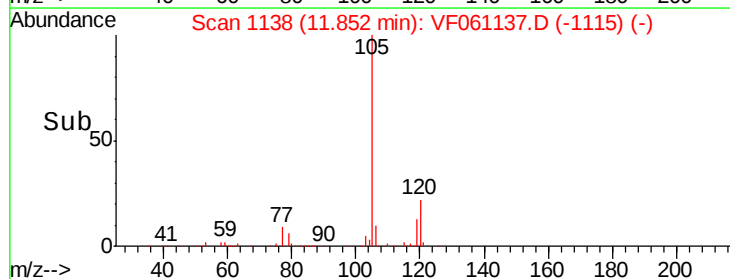
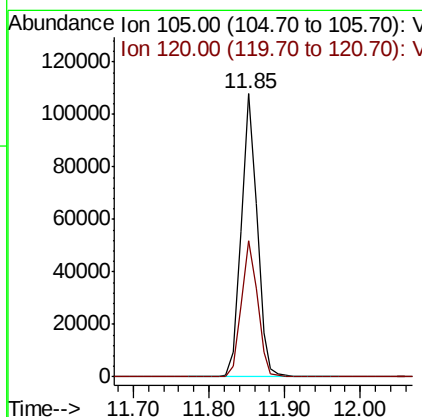
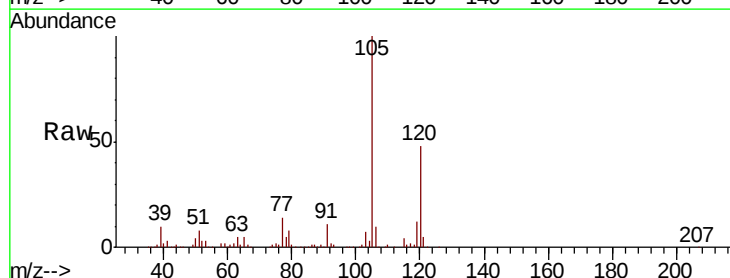
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#80
 1,3,5-Trimethylbenzene
 Concen: 56.551 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. 0.02 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion: 105 Resp: 155632
 Ion Ratio Lower Upper
 105 100
 120 48.2 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 103.599 ug/l m

RT: 11.90 min Scan# 1143

Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Instrument :

MSVOA_F

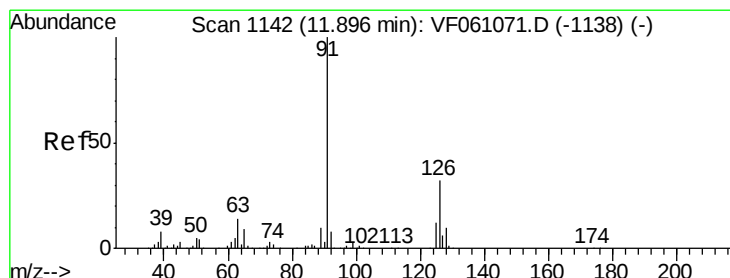
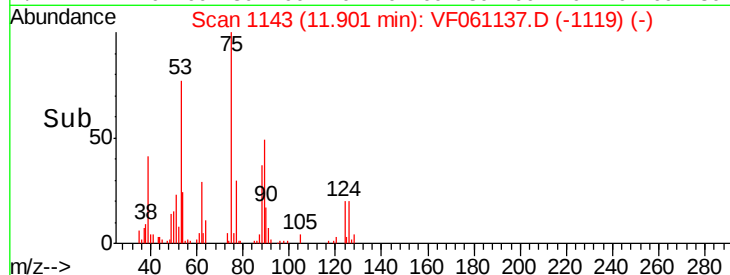
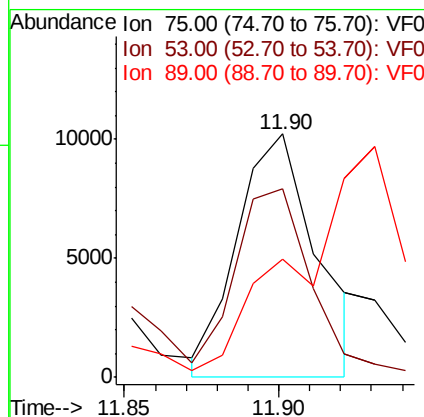
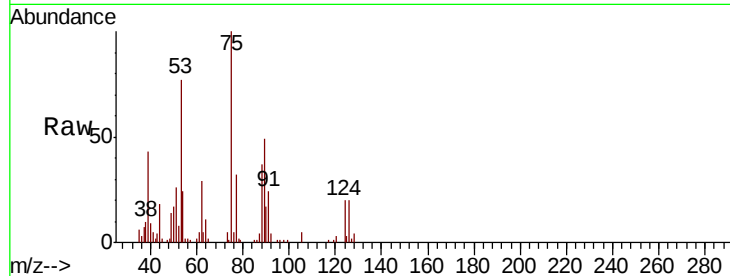
ClientSampleId :

P001-SD006-0612-01MS

Tgt Ion:	75	Resp:	18377
Ion	Ratio	Lower	Upper
75	100		
53	77.5	74.1	111.1
89	48.8	42.6	64.0

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#82

4-Chlorotoluene

Concen: 57.132 ug/l

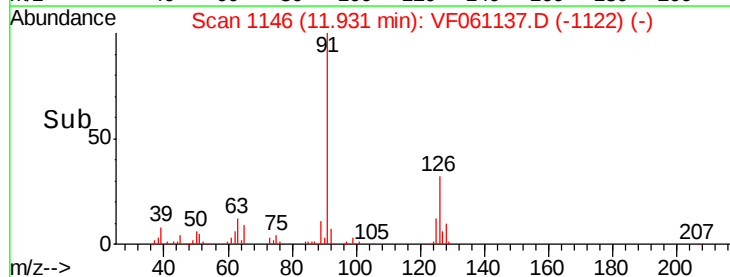
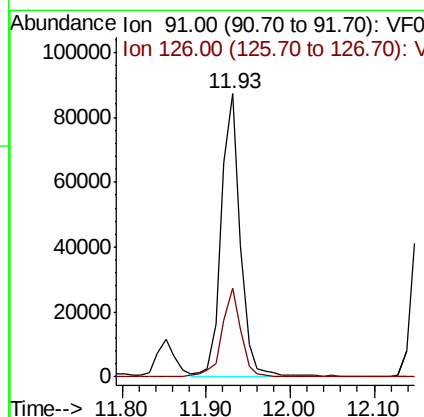
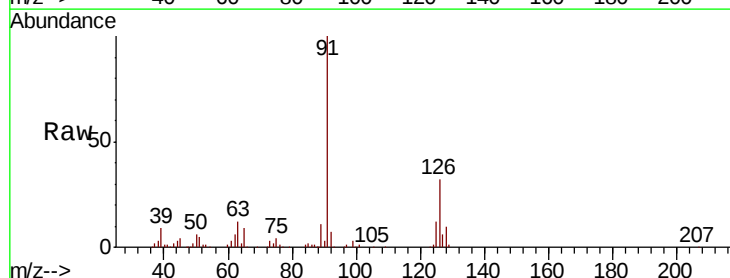
RT: 11.93 min Scan# 1146

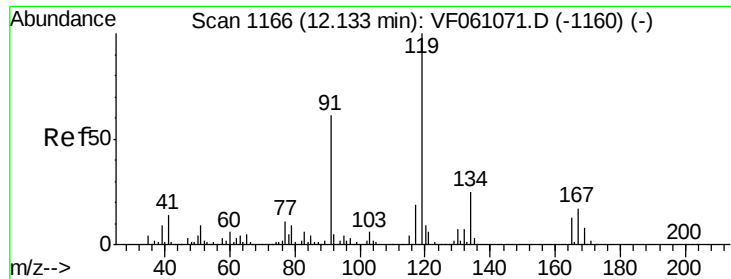
Delta R.T. 0.03 min

Lab File: VF061137.D

Acq: 21 Dec 2018 20:34

Tgt Ion:	91	Resp:	135505
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.0	47.9





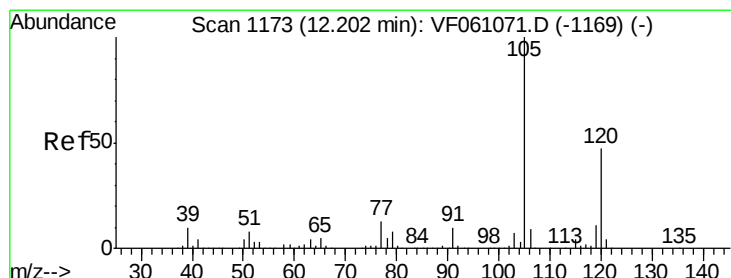
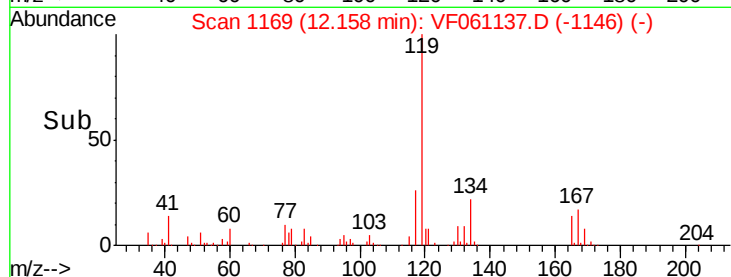
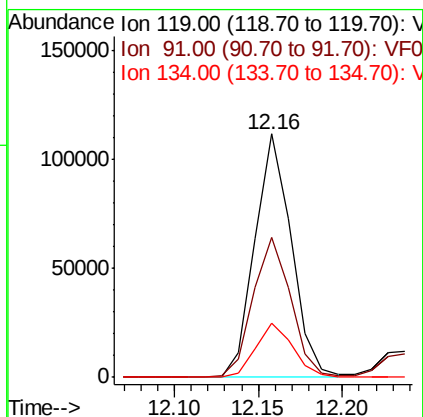
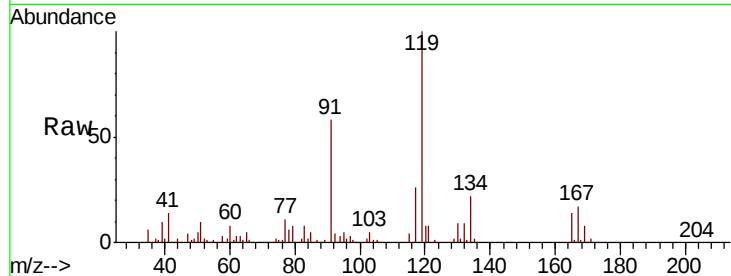
#83
 tert-Butylbenzene
 Concen: 59.678 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. 0.02 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	169005		
91	57.6	30.5	91.5	
134	22.2	12.4	37.4	

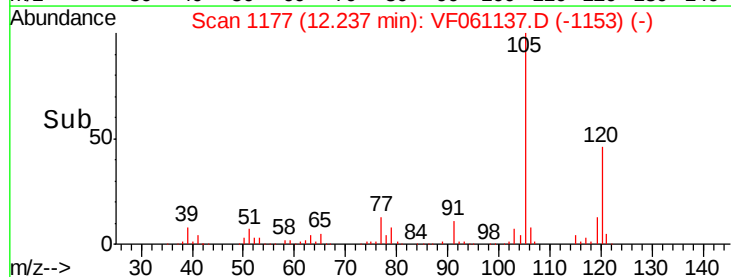
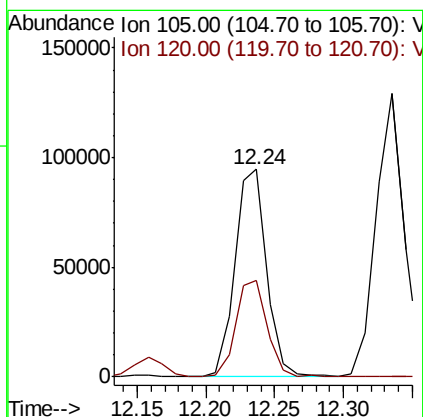
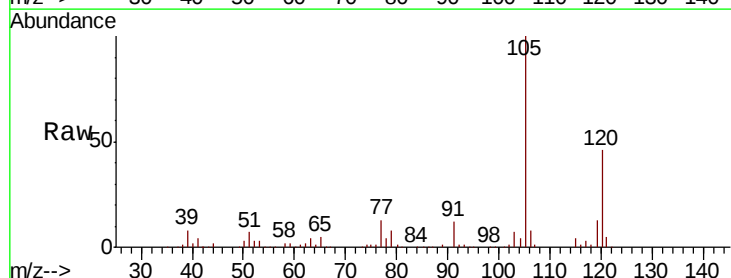
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.392 ug/l
 RT: 12.24 min Scan# 1177
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	152017		
120	46.4	23.6	71.0	





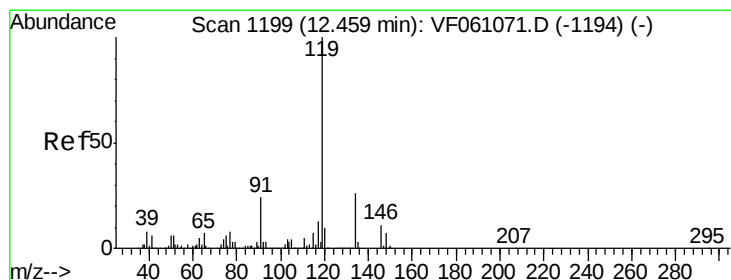
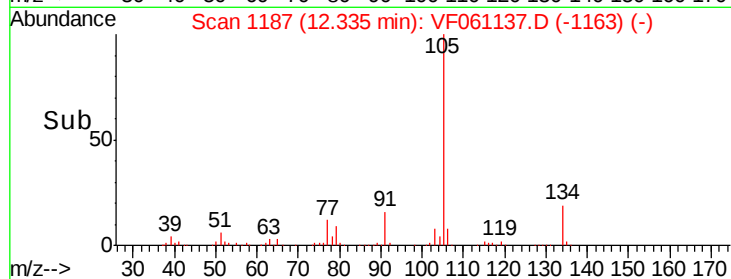
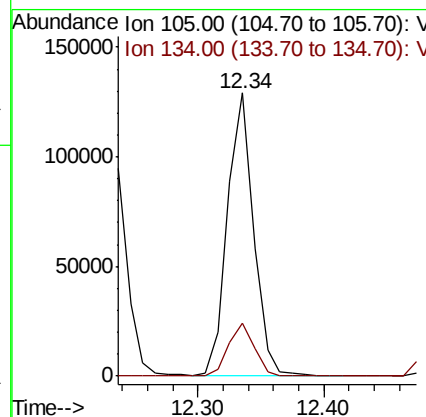
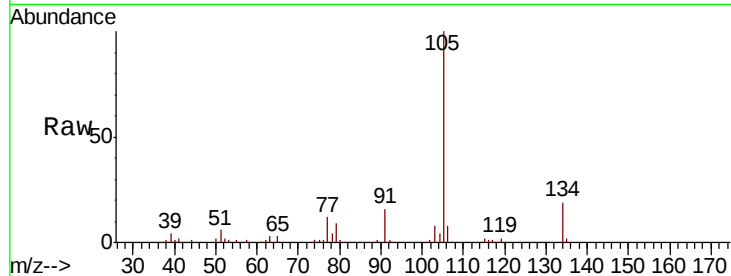
#85
 sec-Butylbenzene
 Concen: 50.091 ug/l
 RT: 12.34 min Scan# 1187
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185121		
134	18.7	9.4	28.2	

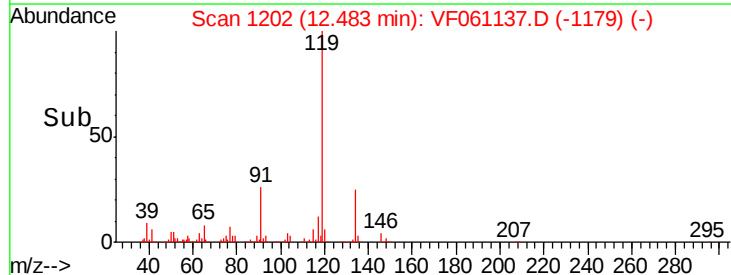
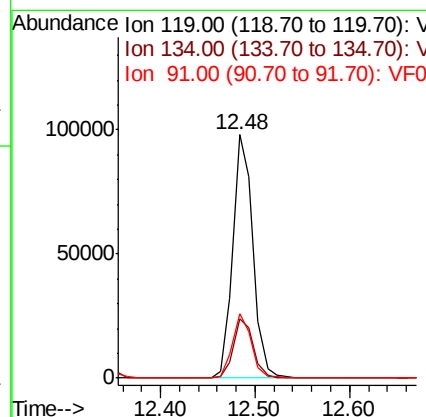
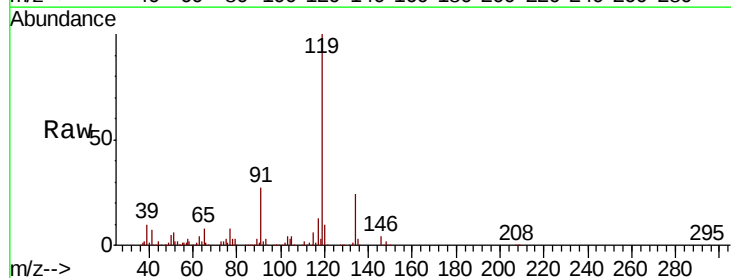
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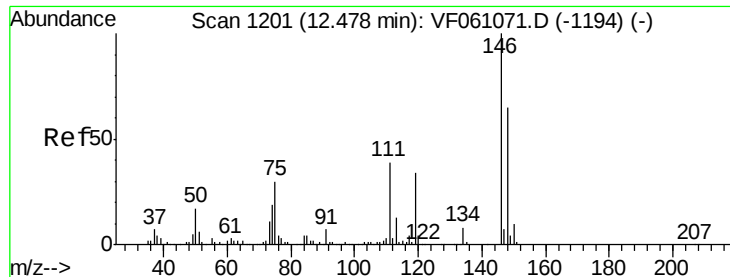
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#86
 p-Isopropyltoluene
 Concen: 47.149 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	144635		
134	24.3	12.8	38.4	
91	26.6	12.2	36.6	





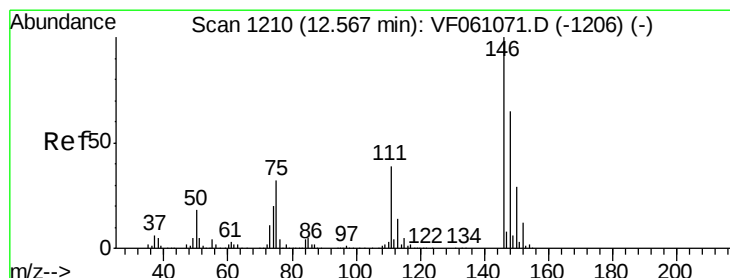
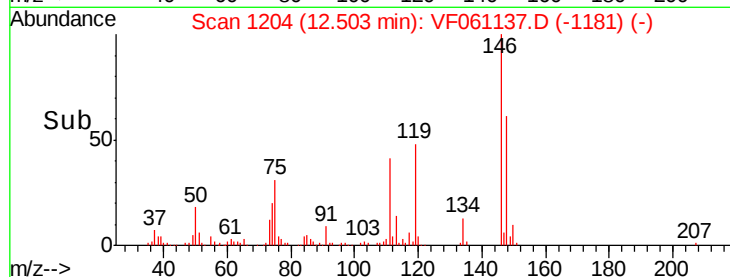
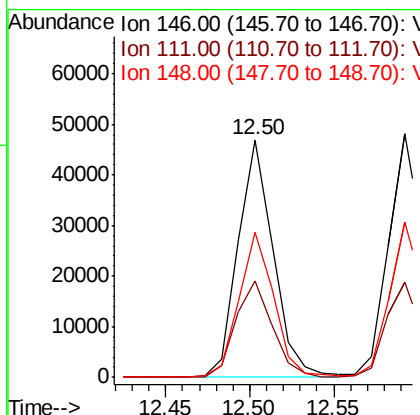
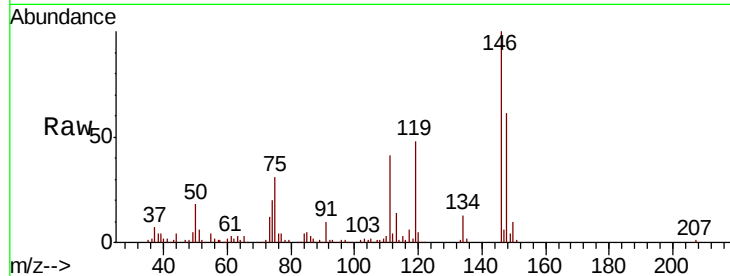
#87
 1,3-Dichlorobenzene
 Concen: 59.219 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.3	57.9
148	61.3	32.4	97.2

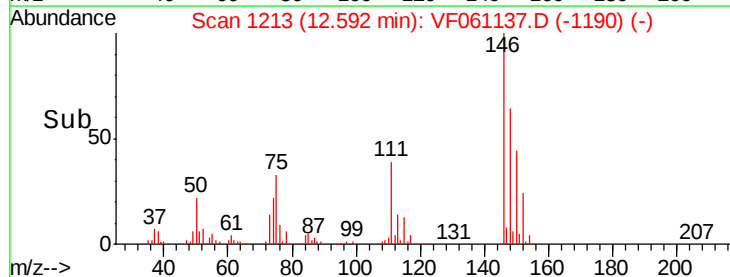
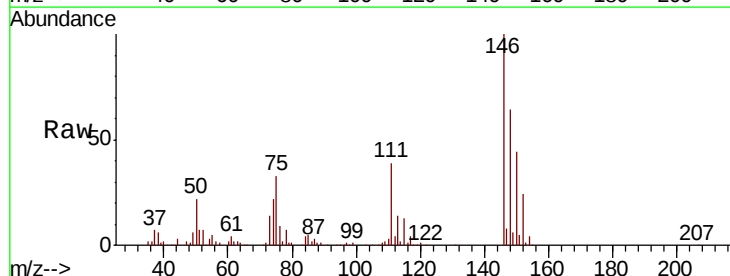
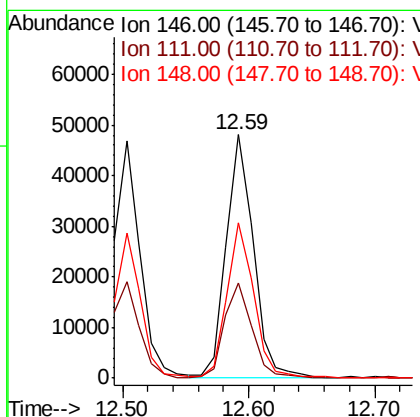
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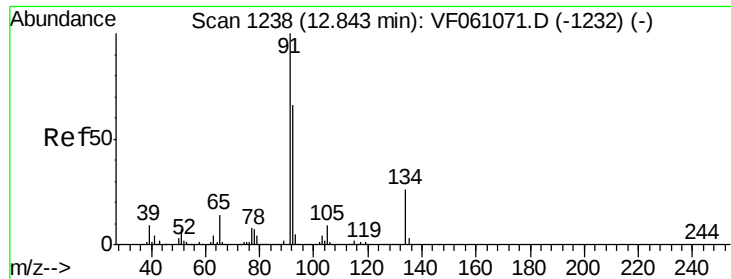
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#88
 1,4-Dichlorobenzene
 Concen: 54.131 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.02 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.4
148	63.9	32.4	97.0





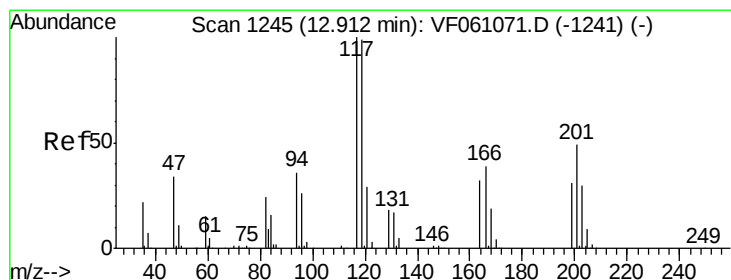
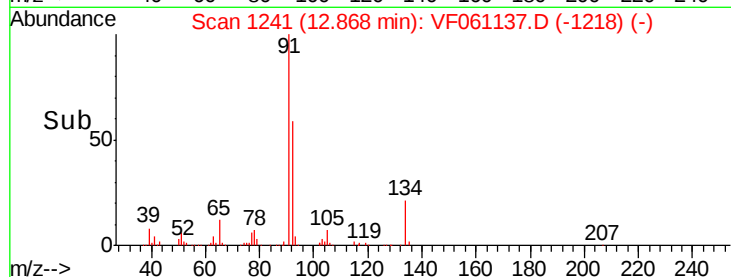
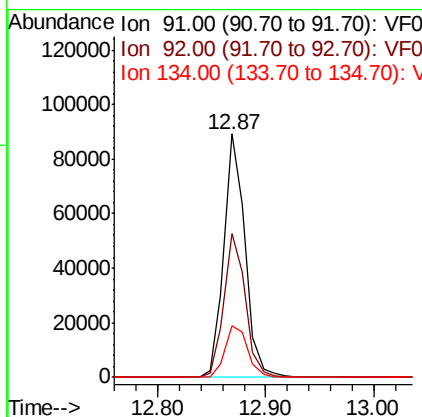
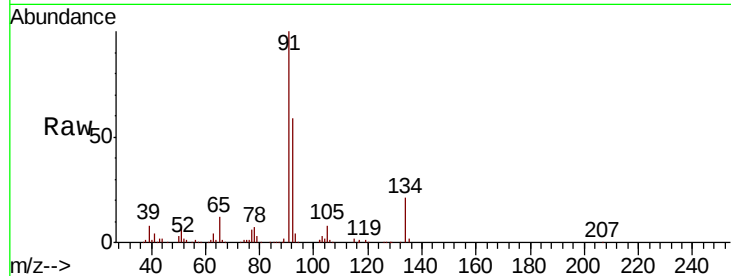
#89
n-Butylbenzene
Concen: 37.256 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	32.8	98.4
134	21.1	13.2	39.5

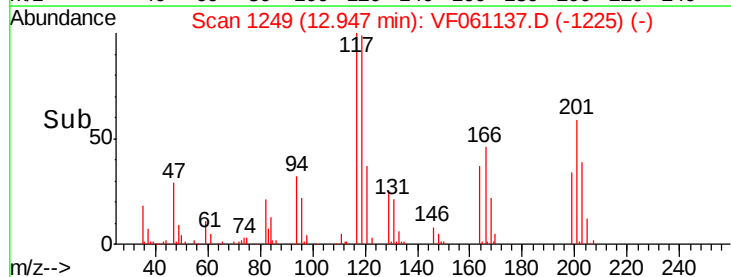
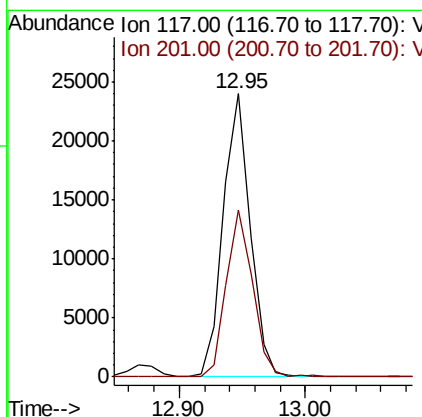
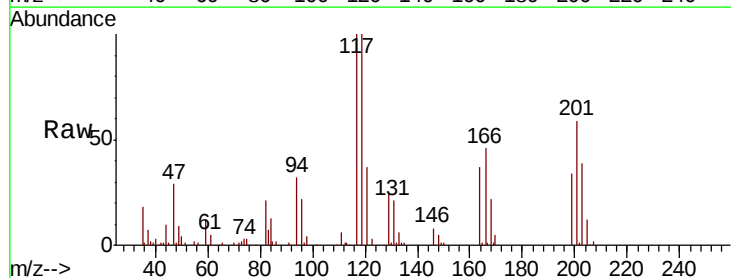
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#90
Hexachloroethane
Concen: 47.133 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.4	24.9	74.8





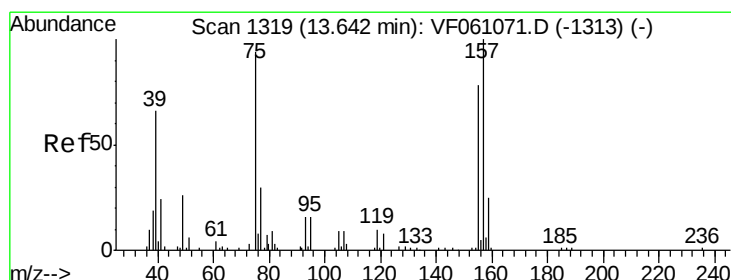
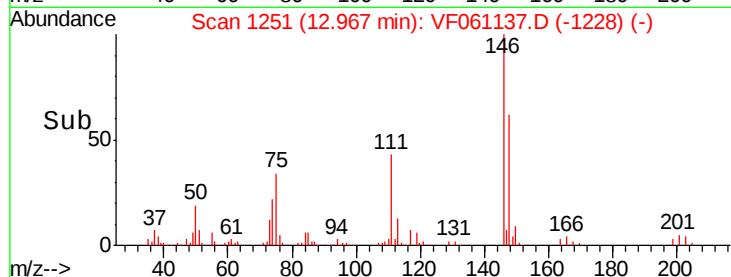
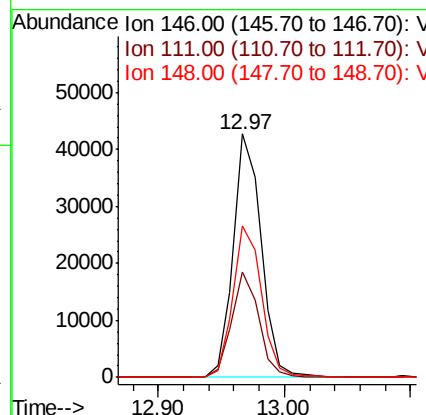
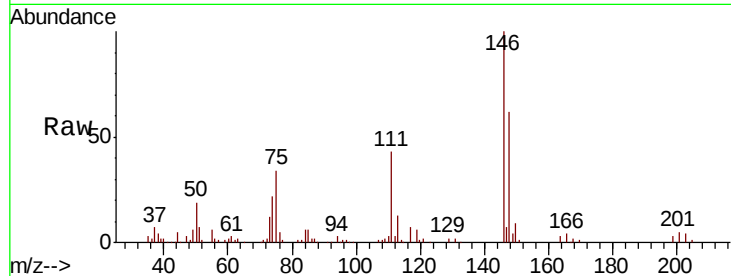
#91
 1,2-Dichlorobenzene
 Concen: 50.827 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. 0.02 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	23.2	69.5
148	62.3	32.4	97.0

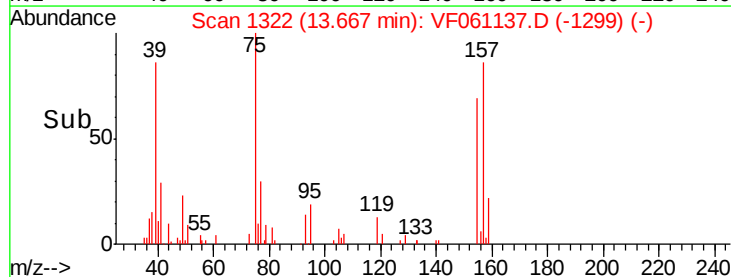
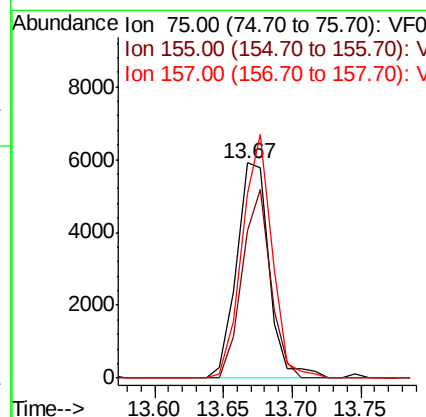
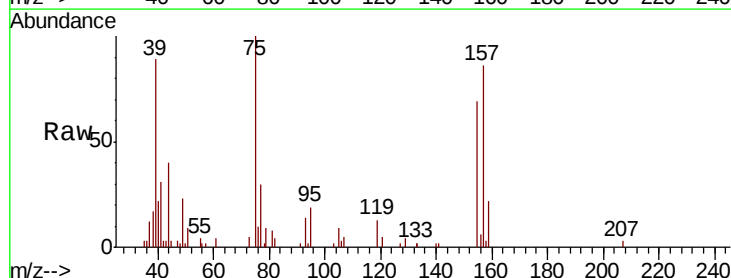
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.169 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. 0.02 min
 Lab File: VF061137.D
 Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	41.5	124.5
157	85.7	53.2	159.6





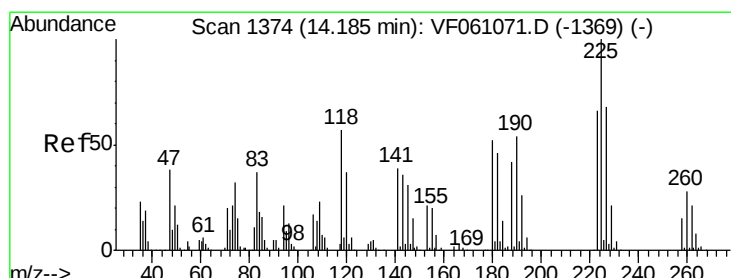
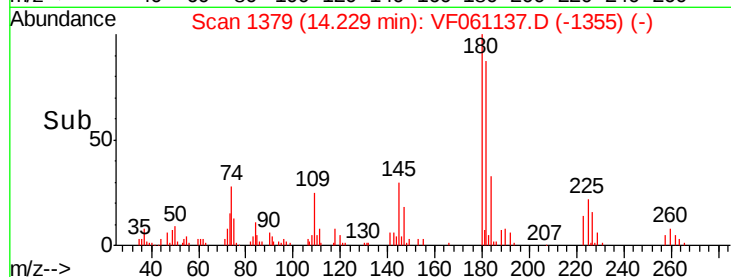
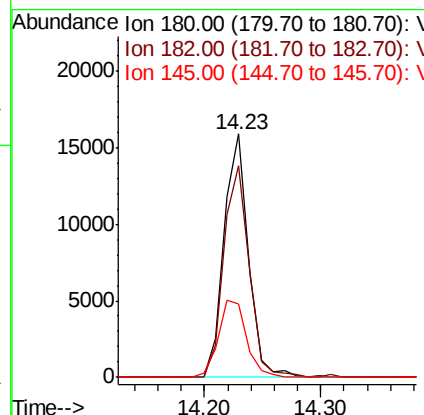
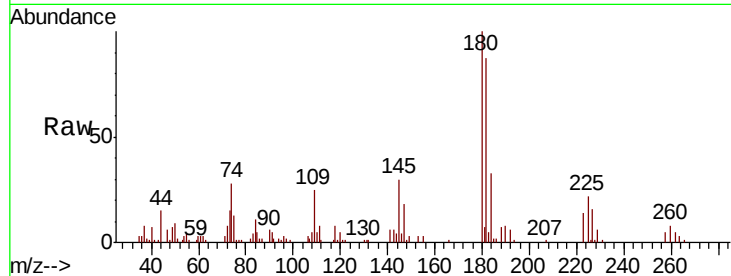
#93
1,2,4-Trichlorobenzene
Concen: 25.328 ug/l
RT: 14.23 min Scan# 1379
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.1	46.9	140.6
145	30.3	20.5	61.6

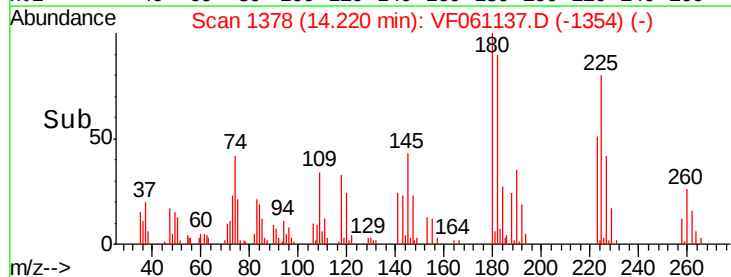
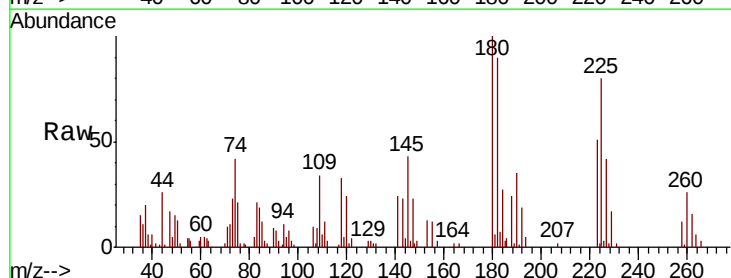
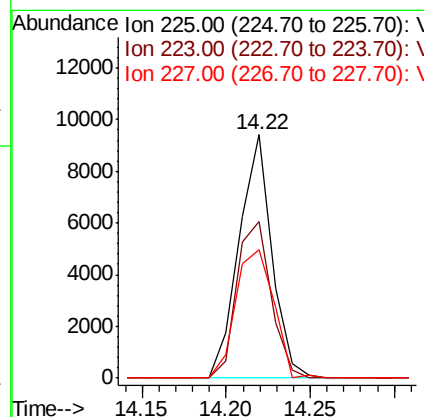
Manual Integrations
APPROVED

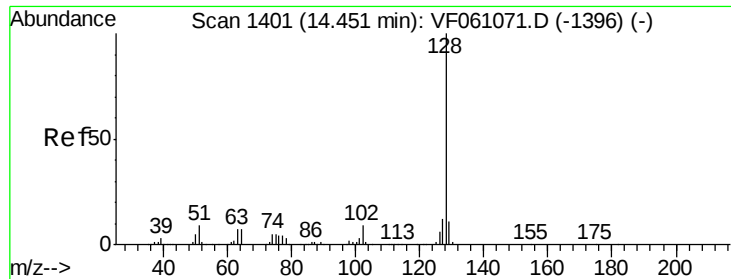
MMDadoda
12/26/2018 10:51:41 AM



#94
Hexachlorobutadiene
Concen: 22.004 ug/l
RT: 14.22 min Scan# 1378
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.8	98.3
227	52.7	34.0	101.8





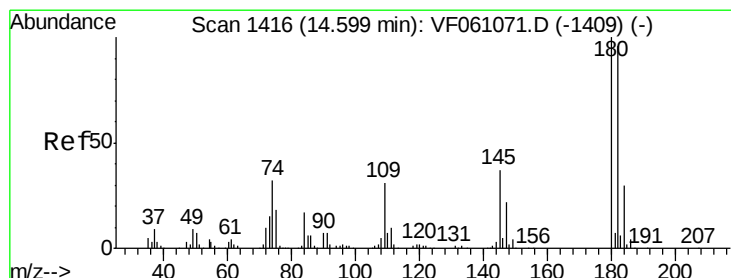
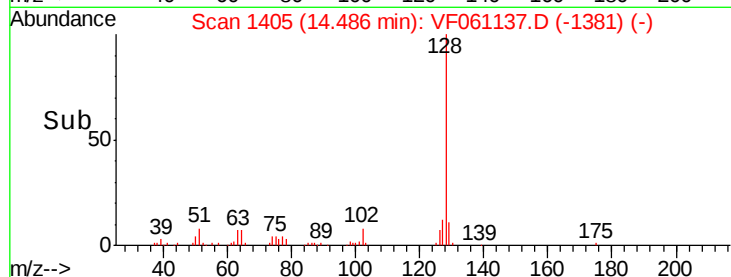
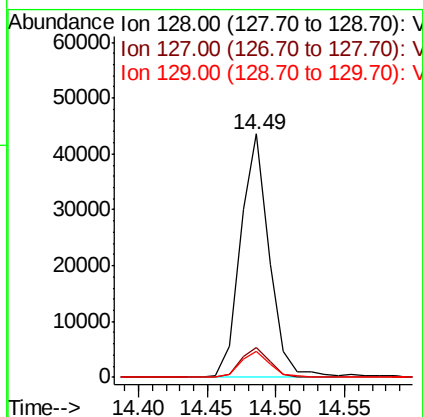
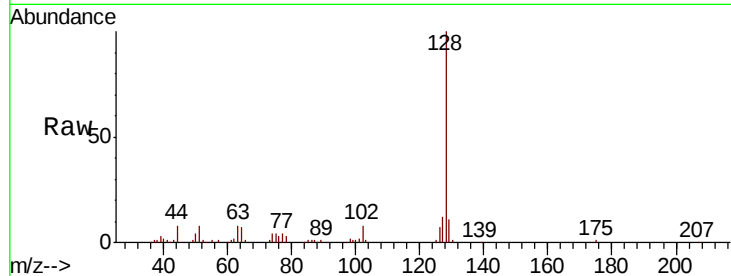
#95
Naphthalene
Concen: 38.153 ug/l
RT: 14.49 min Scan# 1405
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	63550		
127	12.0		9.4	14.2
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:51:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.759 ug/l
RT: 14.63 min Scan# 1420
Delta R.T. 0.03 min
Lab File: VF061137.D
Acq: 21 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	19192		
182	100.9		47.9	143.8
145	36.2		18.6	55.8

