

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061204.D
 Acq On : 27 Dec 2018 13:18
 Operator : VA/AP
 Sample : VF1227SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1227SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 9:38:18 AM

Quant Time: Dec 28 04:12:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	183922	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	326719	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	305020	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	146052	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	133252	56.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	112.66%	
35) Dibromofluoromethane	4.08	113	142388	54.40	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	108.80%	
50) Toluene-d8	7.53	98	376779	50.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.39	95	177966	52.05	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	81928	20.039	ug/l	99
3) Chloromethane	1.09	50	52462	22.401	ug/l	97
4) Vinyl Chloride	1.14	62	48132	22.155	ug/l #	86
5) Bromomethane	1.31	94	29399	19.510	ug/l	87
6) Chloroethane	1.39	64	21077	21.055	ug/l	94
7) Trichlorofluoromethane	1.48	101	91002m	21.938	ug/l	
8) Diethyl Ether	1.62	74	11714	20.622	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	51166	23.789	ug/l	94
10) Methyl Iodide	1.91	142	74070m	21.848	ug/l	
11) Tert butyl alcohol	2.55	59	9407	98.544	ug/l #	88
12) 1,1-Dichloroethene	1.79	96	35206	21.715	ug/l	90
13) Acrolein	1.99	56	6011	87.143	ug/l	95
14) Allyl chloride	2.08	41	51134	30.307	ug/l	90
15) Acrylonitrile	2.93	53	26253	118.932	ug/l	96
16) Acetone	2.23	43	51156	108.175	ug/l	96
17) Carbon Disulfide	1.82	76	106101m	21.655	ug/l	
18) Methyl Acetate	2.32	43	23919m	24.447	ug/l	
19) Methyl tert-butyl Ether	2.41	73	75694	21.034	ug/l	94
20) Methylene Chloride	2.17	84	36370m	21.508	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	36713	21.172	ug/l	93
22) Diisopropyl ether	2.78	45	121647	21.645	ug/l	96
23) Vinyl Acetate	3.16	43	279077	107.641	ug/l	97
24) 1,1-Dichloroethane	2.86	63	72435	21.753	ug/l	97
25) 2-Butanone	4.31	43	81154	105.813	ug/l	95
26) 2,2-Dichloropropane	3.57	77	46553	24.361	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	57382	21.615	ug/l	93
28) Bromochloromethane	3.70	49	37776	22.358	ug/l	97
29) Tetrahydrofuran	4.05	42	33676	107.881	ug/l	94
30) Chloroform	3.83	83	103830	20.796	ug/l	93
31) Cyclohexane	3.68	56	78995m	22.862	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	65755	21.972	ug/l	94
36) 1,1-Dichloropropene	4.26	75	80272	20.354	ug/l	96
37) Ethyl Acetate	4.09	43	29458	17.144	ug/l #	93
38) Carbon Tetrachloride	3.96	117	64249	21.393	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	78110	22.077	ug/l	97
40) Benzene	4.60	78	181232	21.369	ug/l	96
41) Methacrylonitrile	4.71	41	16008	19.220	ug/l	97
42) 1,2-Dichloroethane	4.92	62	62647	19.445	ug/l	99
43) Isopropyl Acetate	6.94	43	34148	17.933	ug/l	98
44) Trichloroethene	5.48	130	56458	21.115	ug/l	97
45) 1,2-Dichloropropane	6.21	63	46417	20.117	ug/l	98
46) Dibromomethane	6.06	93	29748	19.878	ug/l	93
47) Bromodichloromethane	6.36	83	77659	19.972	ug/l	98
48) Methyl methacrylate	6.69	41	22681	17.062	ug/l	99
49) 1,4-Dioxane	6.68	88	3091	320.452	ug/l #	21
51) 4-Methyl-2-Pentanone	8.23	43	132990	101.833	ug/l	97
52) Toluene	7.60	92	113465	20.211	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	58810	18.748	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	80124	20.352	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	31558	18.751	ug/l	97
56) Ethyl methacrylate	8.60	69	34933	19.182	ug/l	98
57) 1,3-Dichloropropane	8.82	76	58475	19.211	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	21341	61.016	ug/l	93
59) 2-Hexanone	9.47	43	94012	99.542	ug/l	95
60) Dibromochloromethane	8.70	129	48202	19.980	ug/l	98
61) 1,2-Dibromoethane	8.96	107	36490	20.301	ug/l	98
64) Tetrachloroethene	8.12	164	44888	19.131	ug/l	97
65) Chlorobenzene	9.77	112	127798	20.281	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	52022	20.202	ug/l	96
67) Ethyl Benzene	9.88	91	239016	20.821	ug/l	98
68) m/p-Xylenes	10.11	106	162163	40.139	ug/l	92
69) o-Xylene	10.69	106	90050	20.098	ug/l	99
70) Styrene	10.77	104	125003	19.961	ug/l	99
71) Bromoform	10.75	173	22582	18.955	ug/l	94
73) Isopropylbenzene	11.10	105	279493	22.207	ug/l	98
74) N-amyl acetate	11.36	43	58393	20.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	45542	21.802	ug/l	94
76) 1,2,3-Trichloropropane	11.77	75	31783	20.445	ug/l	96
77) Bromobenzene	11.48	156	55245	20.390	ug/l	84
78) n-propylbenzene	11.58	91	333804	20.461	ug/l	100
79) 2-Chlorotoluene	11.71	91	190635	22.079	ug/l	100
80) 1,3,5-Trimethylbenzene	11.80	105	218347	21.068	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.85	75	14419m	21.585	ug/l	
82) 4-Chlorotoluene	11.88	91	192760	21.582	ug/l	99
83) tert-Butylbenzene	12.11	119	231490	21.707	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	217841	21.078	ug/l	98
85) sec-Butylbenzene	12.29	105	312267	22.437	ug/l	97
86) p-Isopropyltoluene	12.45	119	267798	23.182	ug/l	98
87) 1,3-Dichlorobenzene	12.45	146	111625	22.261	ug/l	97
88) 1,4-Dichlorobenzene	12.54	146	100892	20.280	ug/l	95
89) n-Butylbenzene	12.83	91	275498	20.873	ug/l	95
90) Hexachloroethane	12.90	117	60887	21.333	ug/l	100
91) 1,2-Dichlorobenzene	12.93	146	107437	22.181	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7315	19.083	ug/l	98

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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)
93) 1,2,4-Trichlorobenzene	14.18	180	74376	21.652	ug/l	95
94) Hexachlorobutadiene	14.17	225	47039	21.500	ug/l	96
95) Naphthalene	14.44	128	126421	20.155	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	67780	21.344	ug/l	94

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

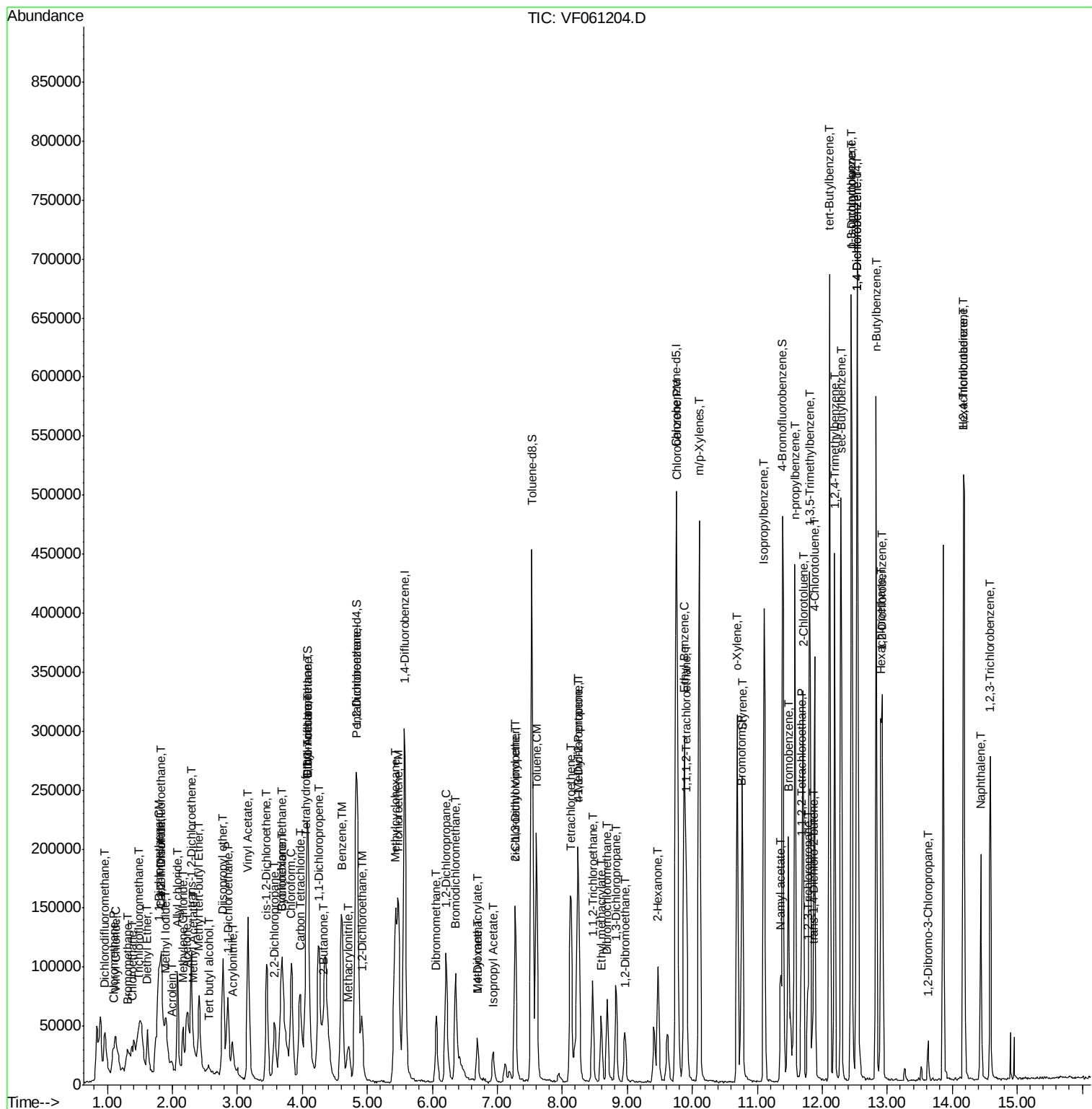
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Acq On : 27 Dec 2018 13:18
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Sample : VF1227SBS01
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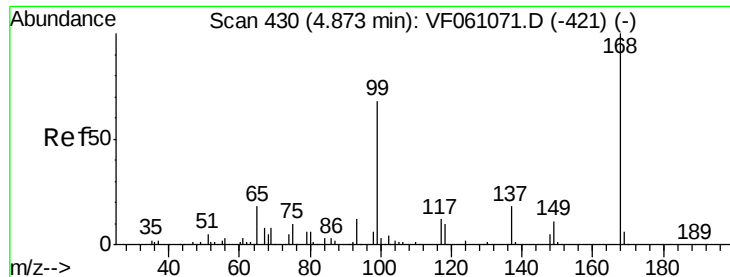
Instrument :
MSVOA_F
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion:168 Resp: 183922

Ion Ratio Lower Upper

168 100

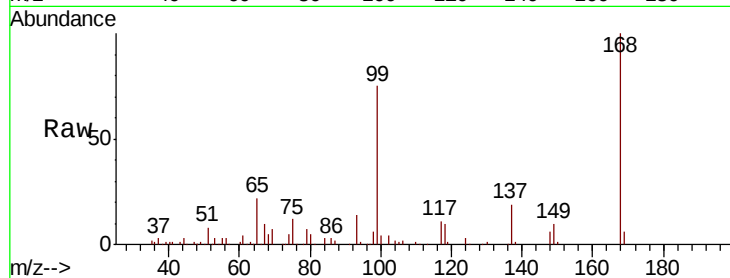
99 74.7 54.4 81.6

Manual Integrations

APPROVED

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12/28/2018 9:38:18 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

60000

50000

40000

30000

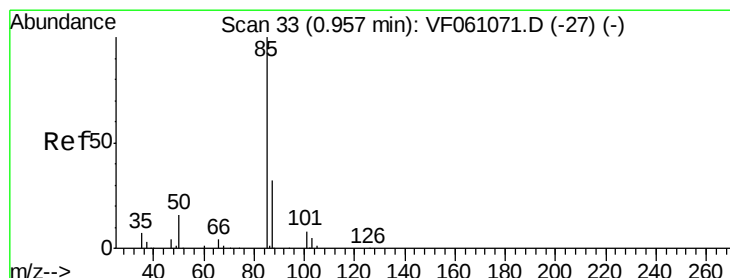
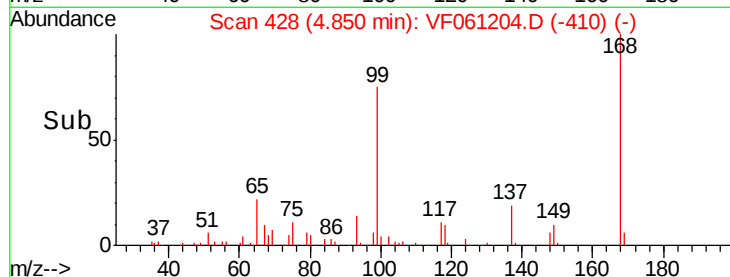
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.039 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061204.D

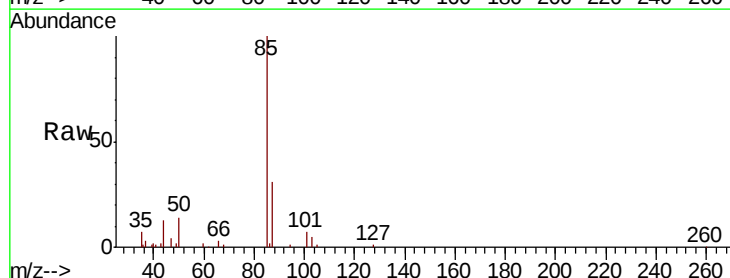
Acq: 27 Dec 2018 13:18

Tgt Ion: 85 Resp: 81928

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

15000

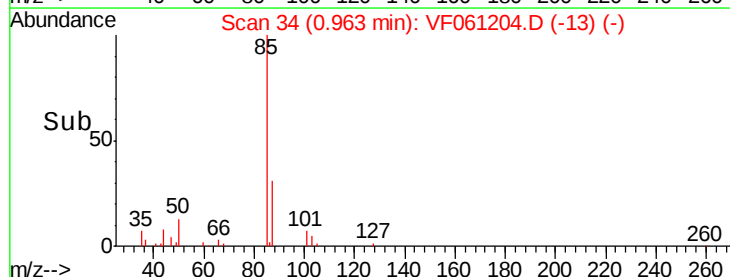
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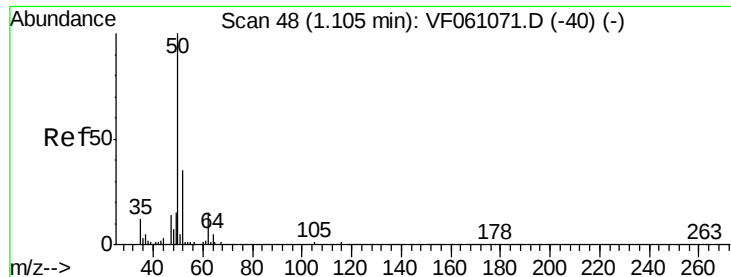
5000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 22.401 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 50 Resp: 52462

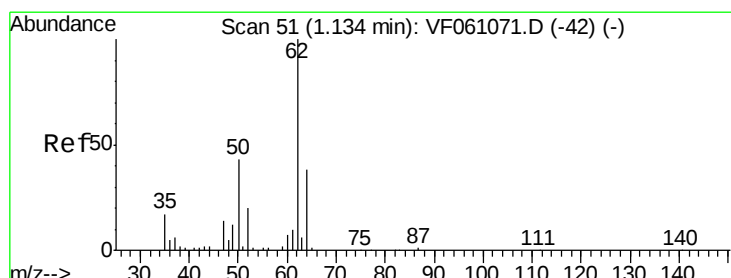
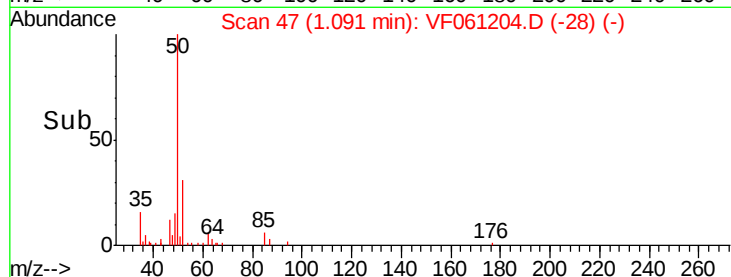
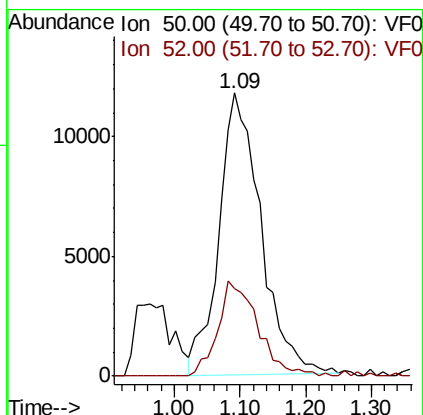
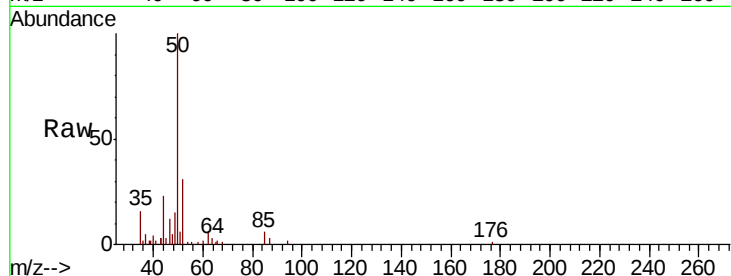
Ion Ratio Lower Upper

50 100

52 31.0 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.155 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061204.D

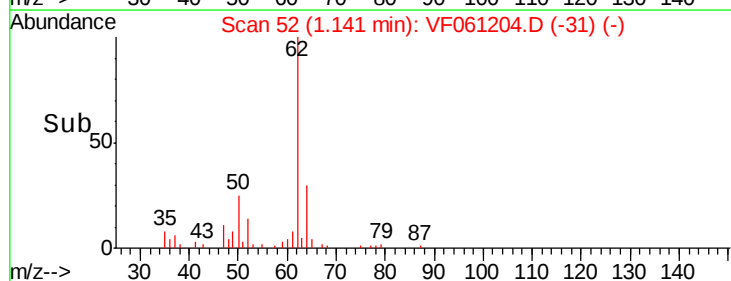
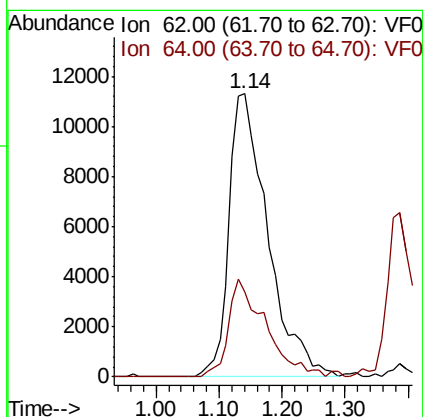
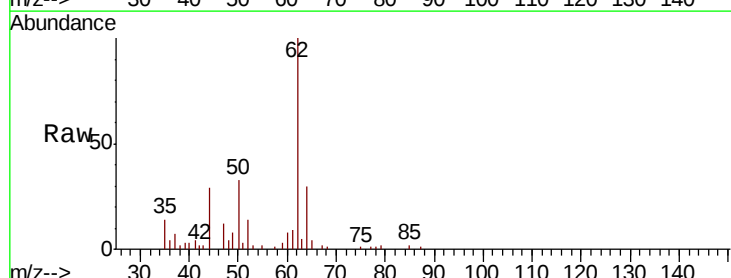
Acq: 27 Dec 2018 13:18

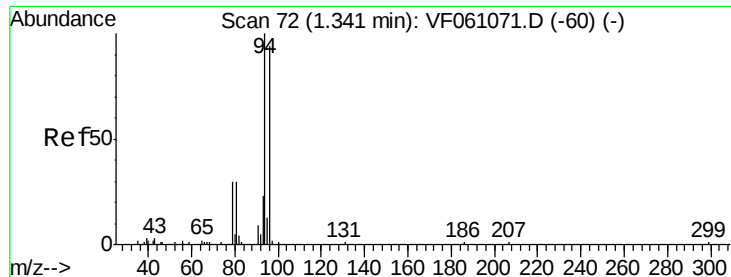
Tgt Ion: 62 Resp: 48132

Ion Ratio Lower Upper

62 100

64 29.8 30.4 45.6#





#5

Bromomethane

Concen: 19.510 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 94 Resp: 29399

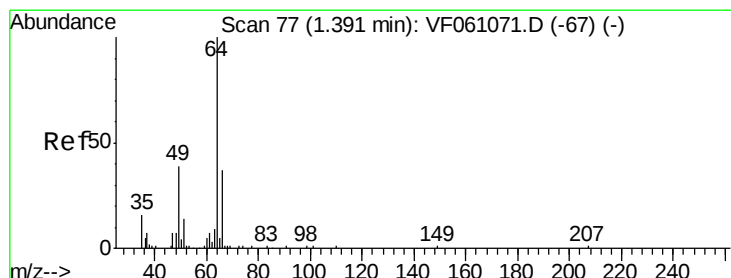
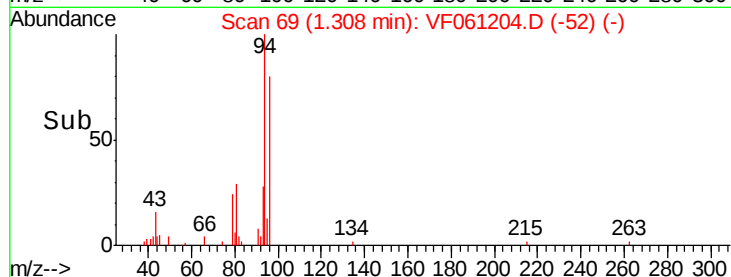
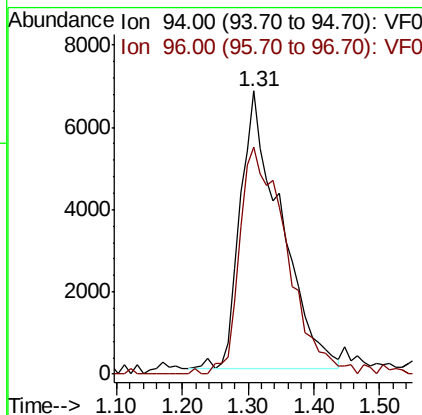
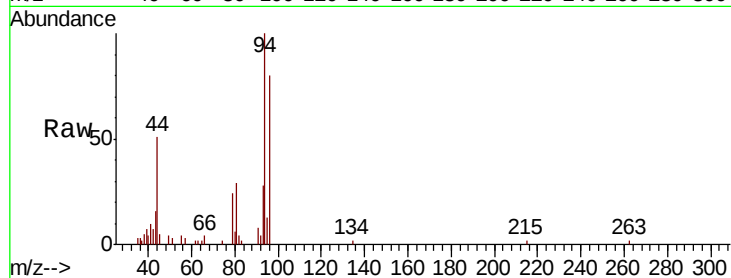
Ion Ratio Lower Upper

94 100

96 80.3 74.4 111.6

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#6

Chloroethane

Concen: 21.055 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061204.D

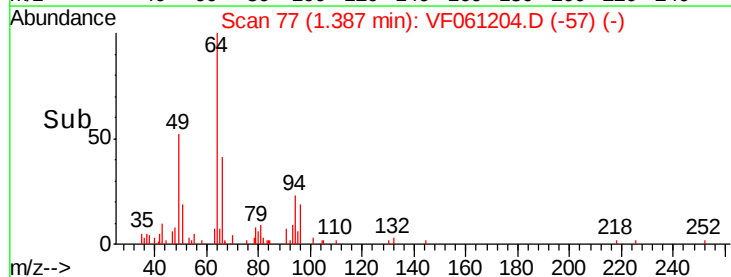
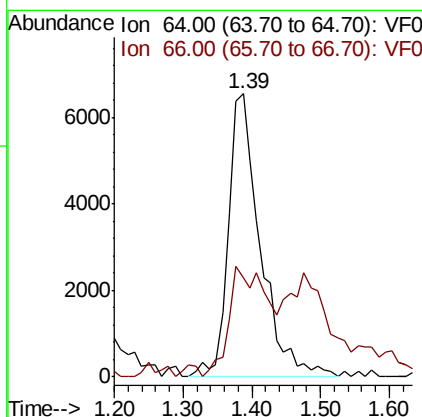
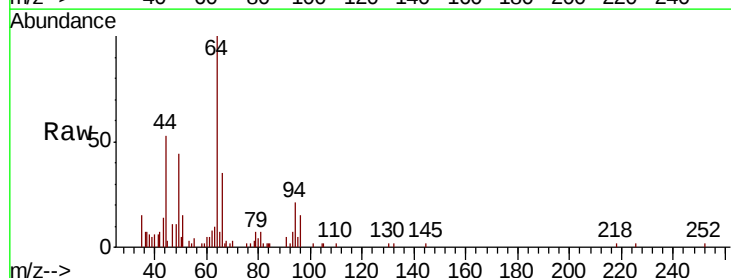
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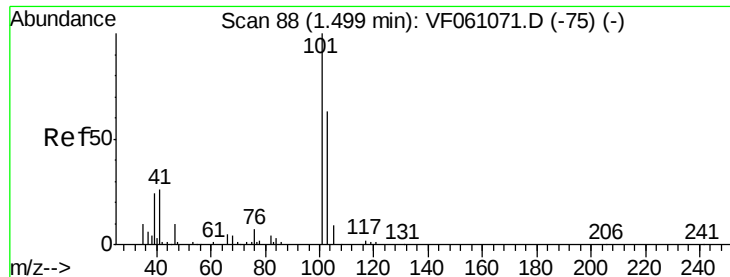
Tgt Ion: 64 Resp: 21077

Ion Ratio Lower Upper

64 100

66 35.1 30.9 46.3





#7

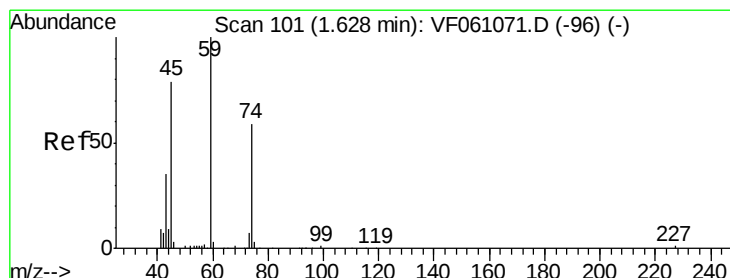
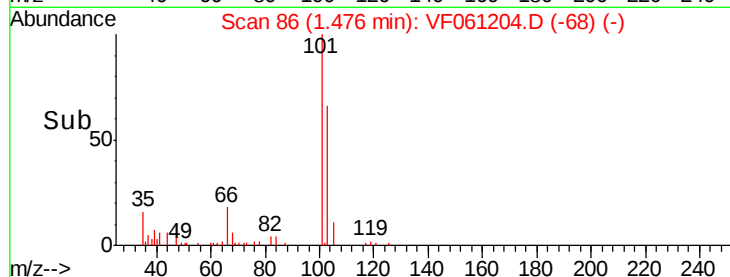
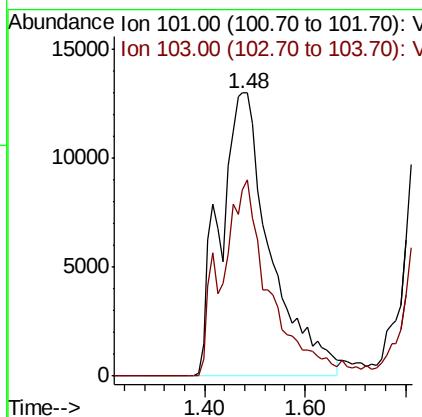
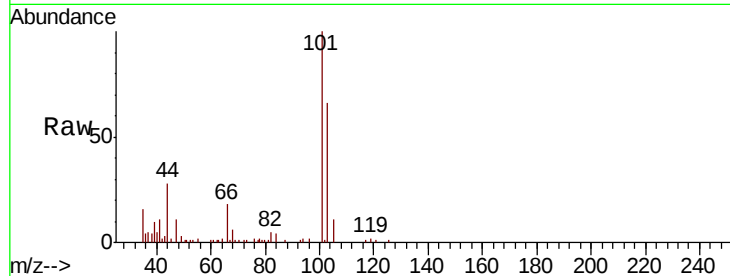
Trichlorofluoromethane
 Concen: 21.938 ug/l m
 RT: 1.48 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1227SBS01

Tot Ion:101 Resp: 91002
 Ion Ratio Lower Upper
 101 100
 103 65.7 50.7 76.1

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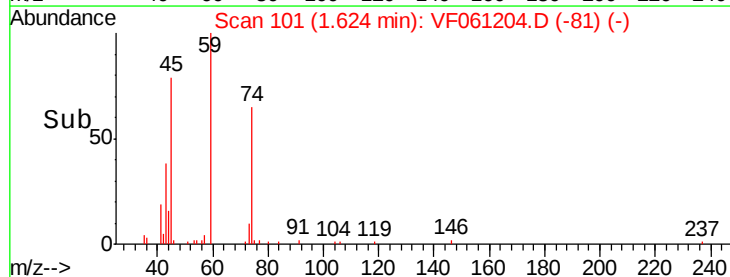
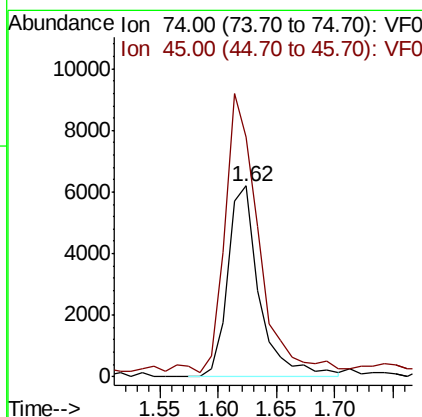
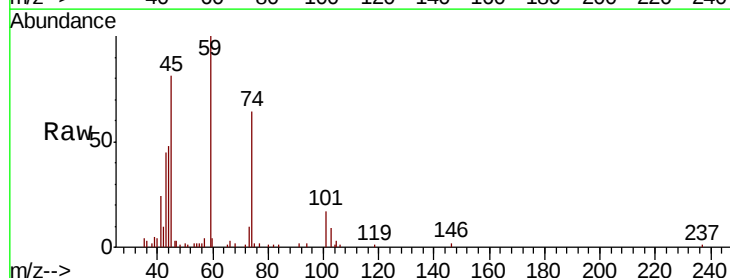
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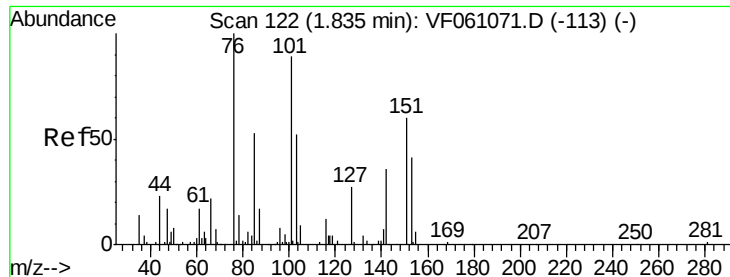


#8

Diethyl Ether
 Concen: 20.622 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Tgt Ion: 74 Resp: 11714
 Ion Ratio Lower Upper
 74 100
 45 126.1 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.789 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

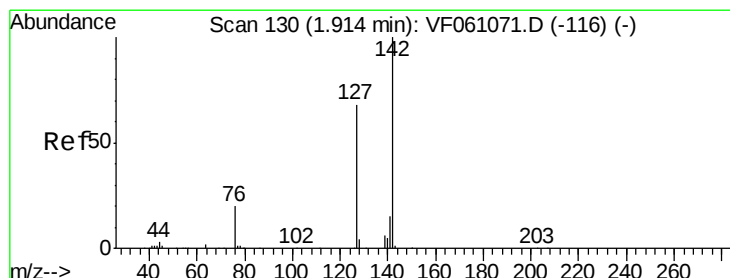
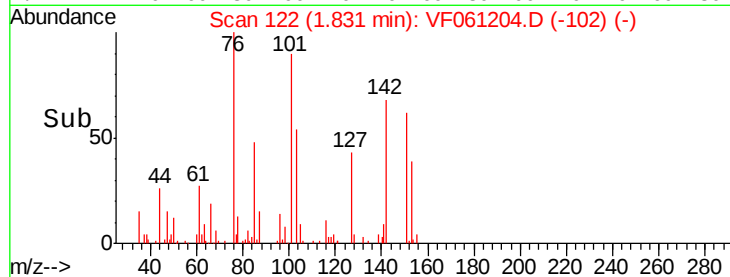
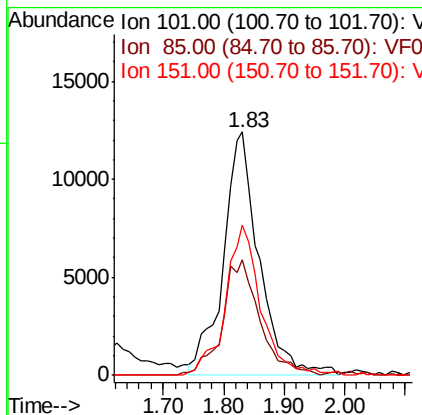
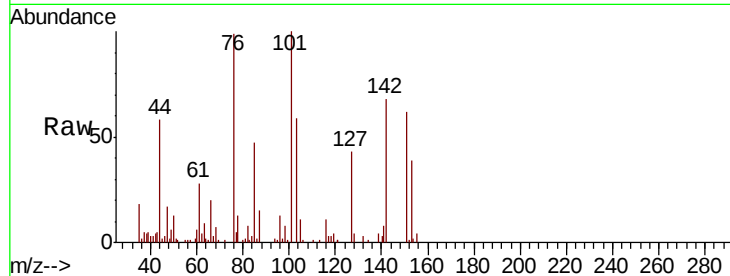
ClientSampleId :

VF1227SBS01

Tot Ion:	101	Resp:	51166
Ion Ratio	Lower	Upper	
101	100		
85	47.4	44.5	66.7
151	61.8	49.9	74.9

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#10

Methyl Iodide

Concen: 21.848 ug/l m

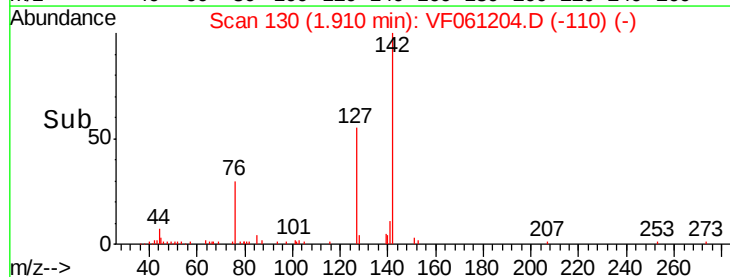
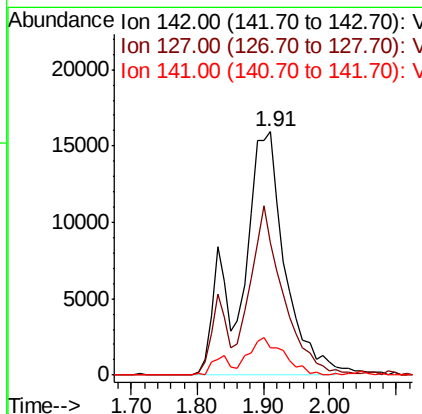
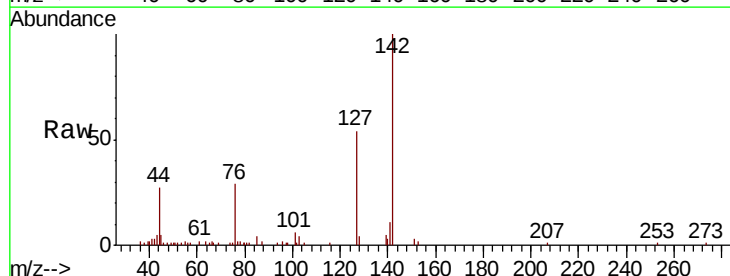
RT: 1.91 min Scan# 130

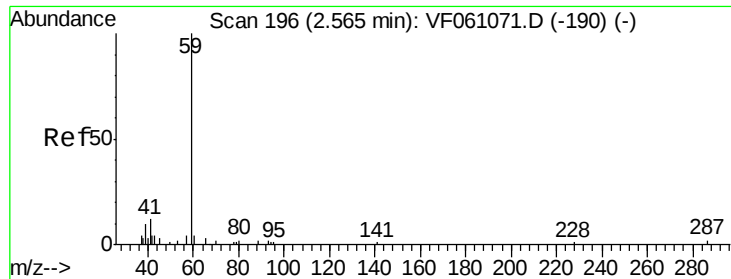
Delta R.T. -0.00 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion:	142	Resp:	74070
Ion Ratio	Lower	Upper	
142	100		
127	54.5	54.7	82.1#
141	11.4	12.2	18.2#





#11

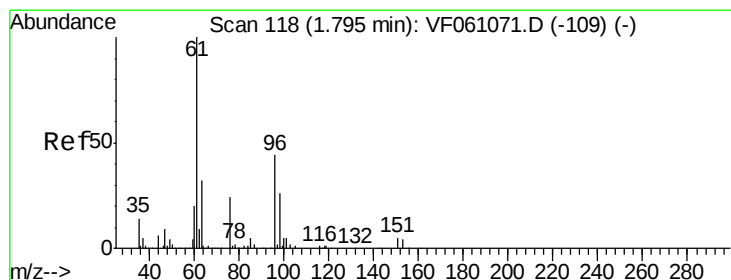
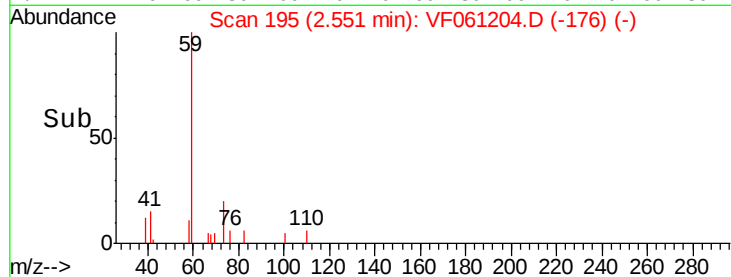
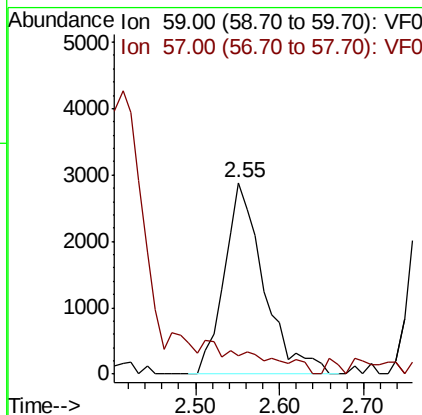
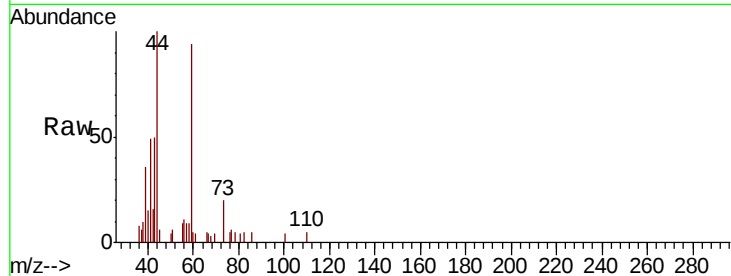
Tert butyl alcohol
Concen: 98.544 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	59	Resp	9407
Ion Ratio	100	Lower	Upper
57	9.5	11.5	17.3#

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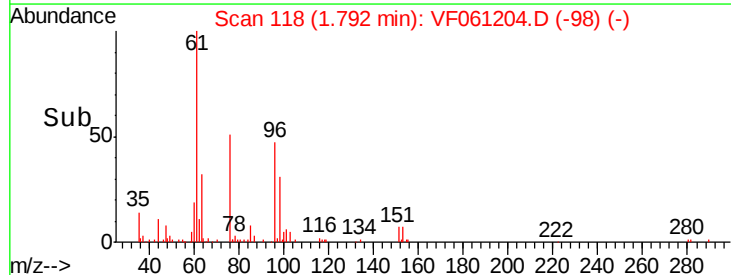
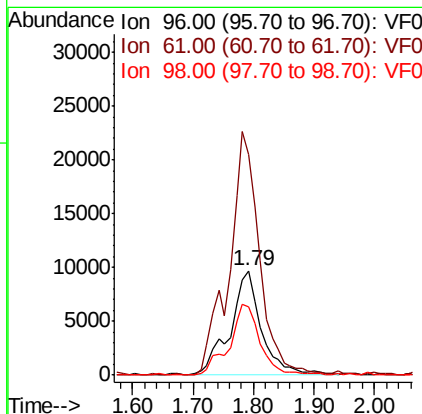
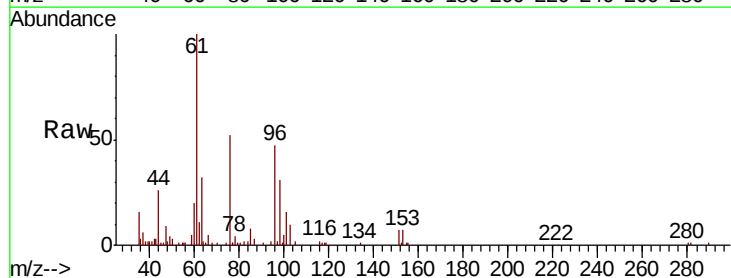
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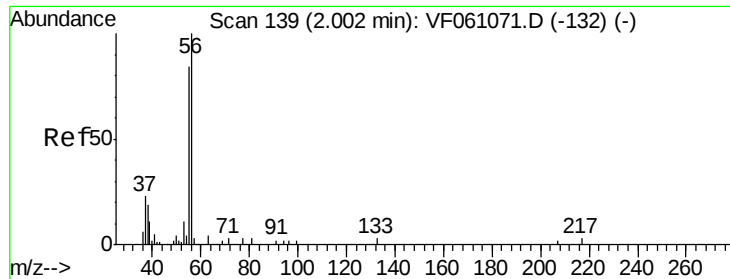


#12

1,1-Dichloroethene
Concen: 21.715 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	96	Resp	35206
Ion Ratio	100	Lower	Upper
61	210.9	182.0	273.0
98	65.7	46.5	69.7





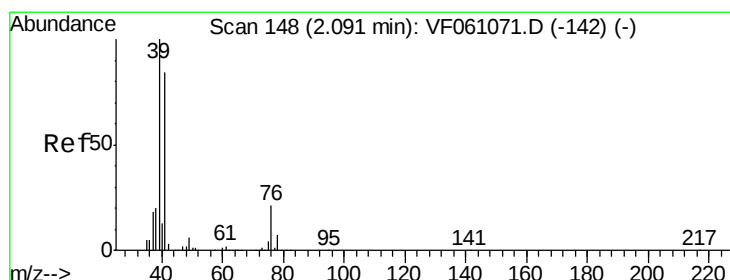
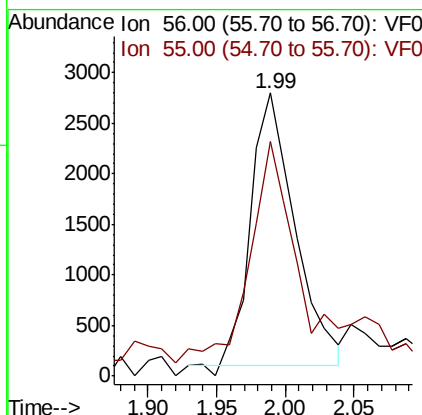
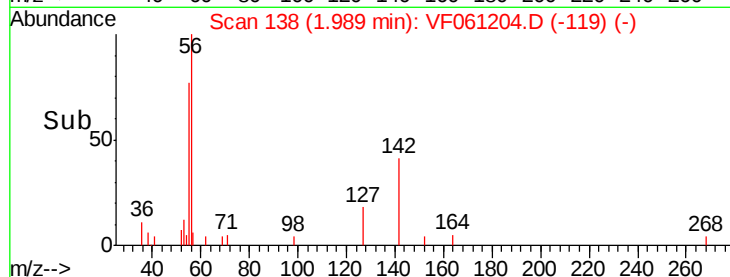
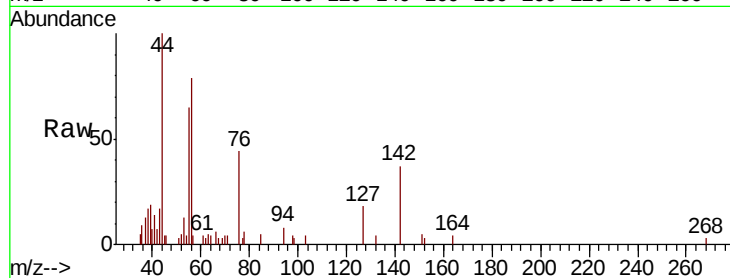
#13
Acrolein
Concen: 87.143 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	82.9	70.2	105.2

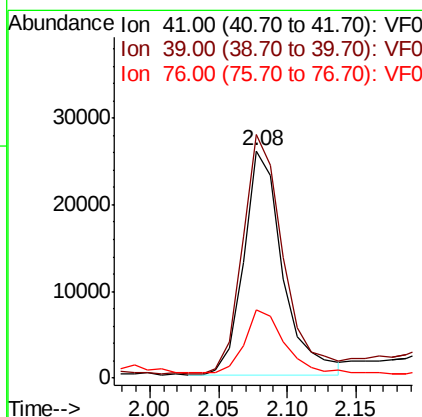
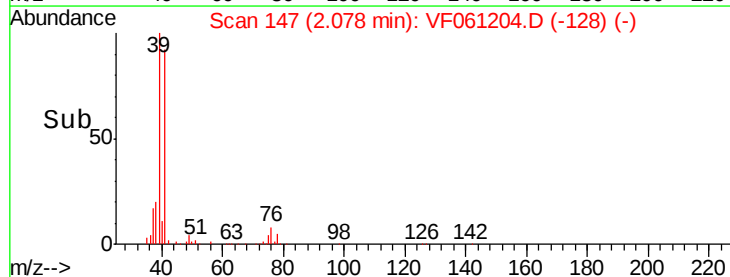
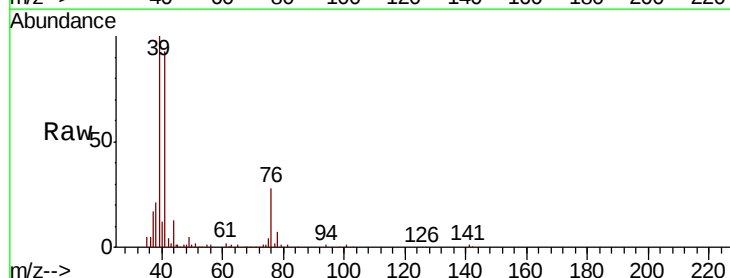
Manual Integrations
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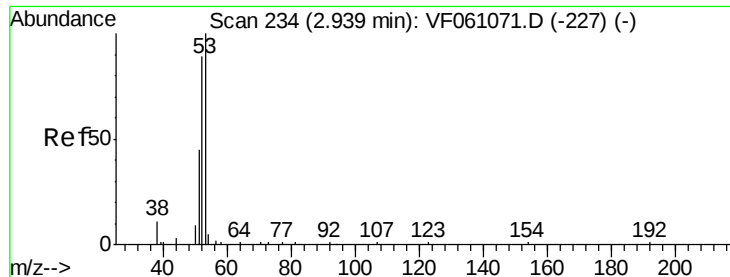
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#14
Allyl chloride
Concen: 30.307 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	107.3	96.4	144.6
76	30.0	25.4	38.0





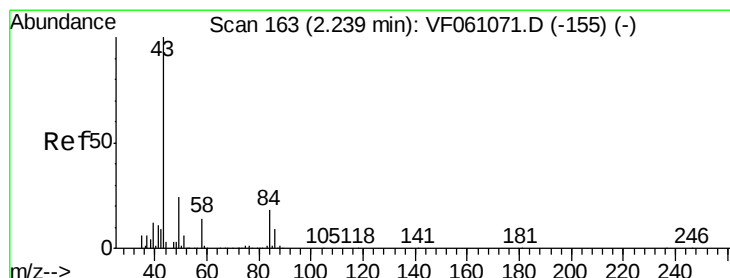
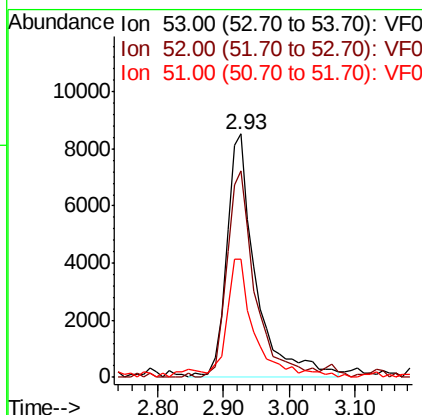
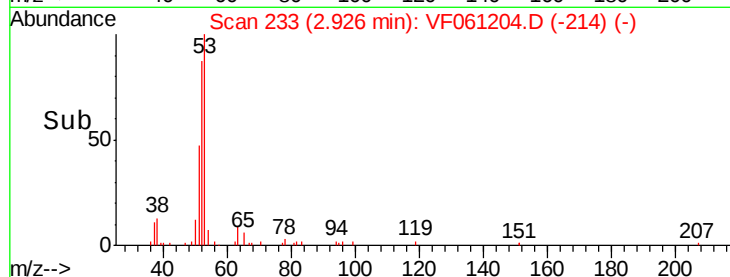
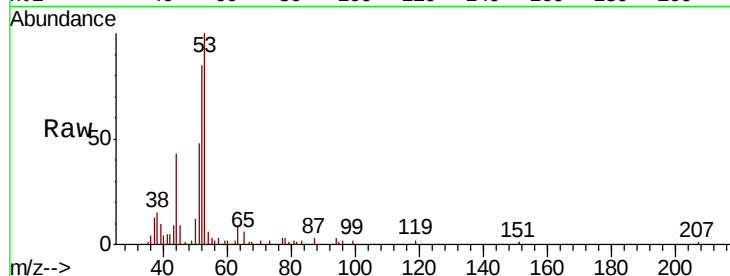
#15
Acrylonitrile
Concen: 118.932 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	53	Resp	26253
Ion	Ratio	Lower	Upper
53	100		
52	84.8	71.3	106.9
51	48.3	36.8	55.2

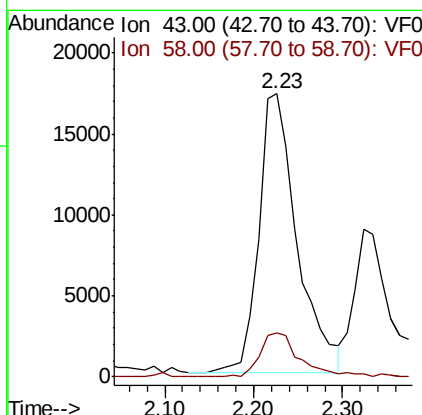
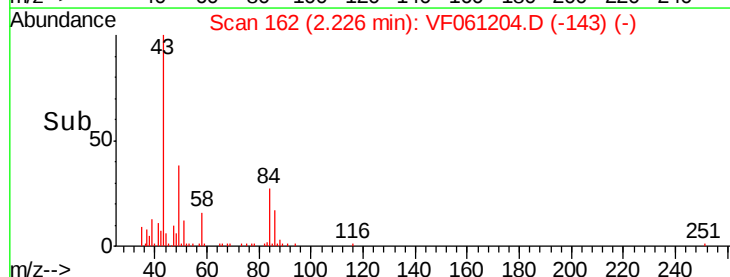
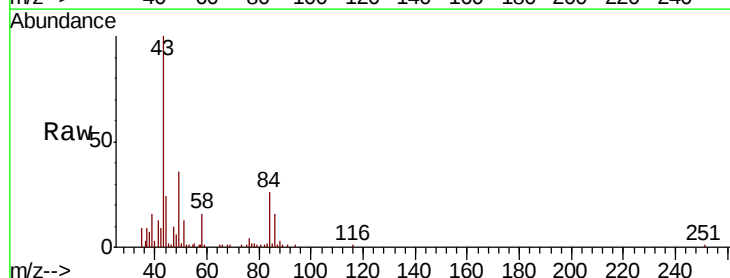
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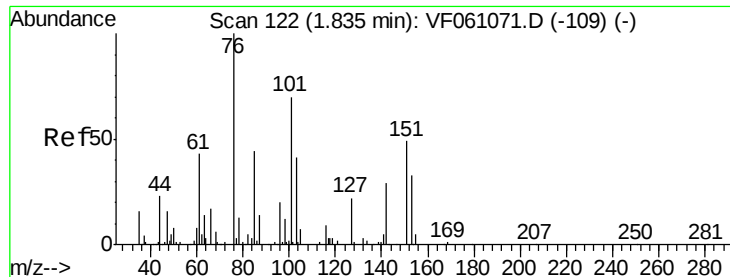
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#16
Acetone
Concen: 108.175 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	43	Resp	51156
Ion	Ratio	Lower	Upper
43	100		
58	15.5	11.1	16.7





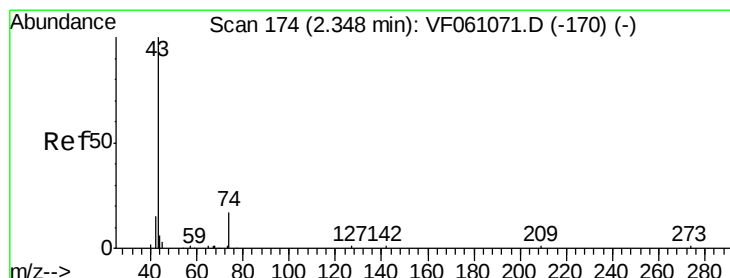
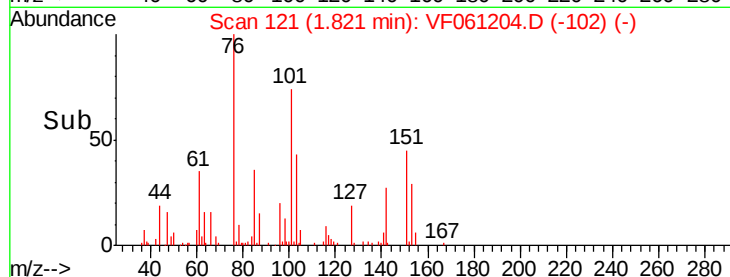
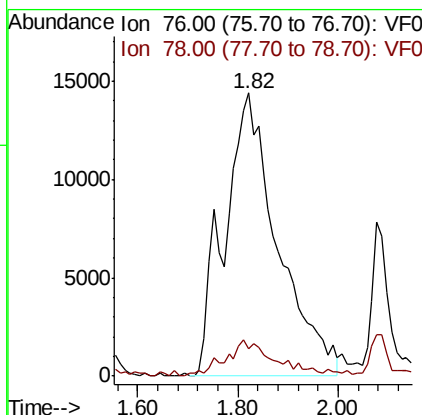
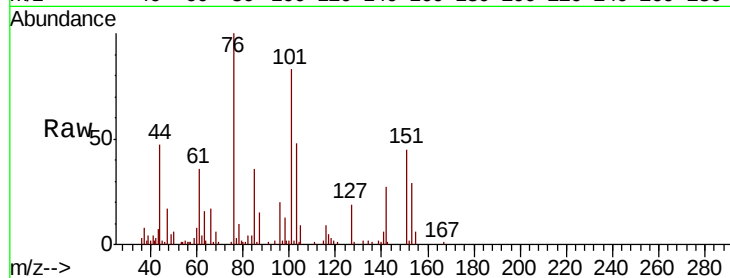
#17
Carbon Disulfide
Concen: 21.655 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion: 76 Resp: 106101
Ion Ratio Lower Upper
76 100
78 9.6 10.2 15.4#

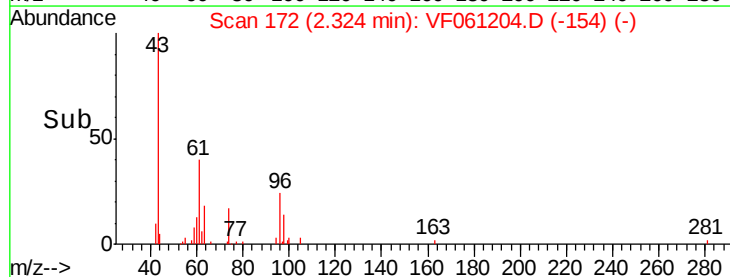
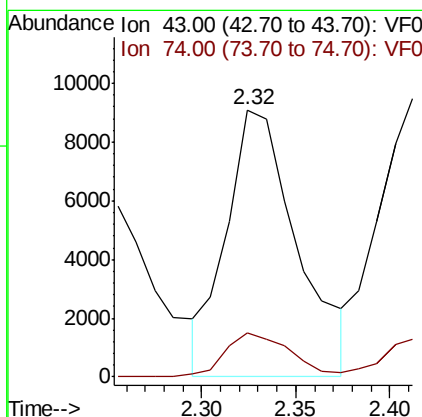
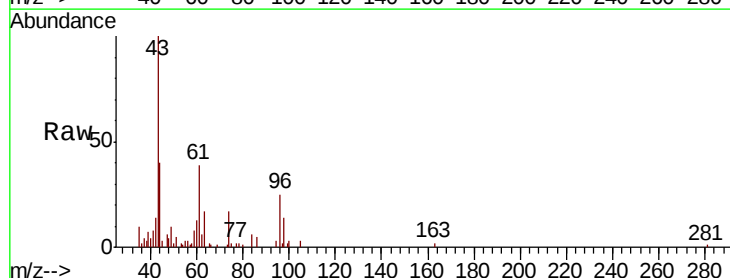
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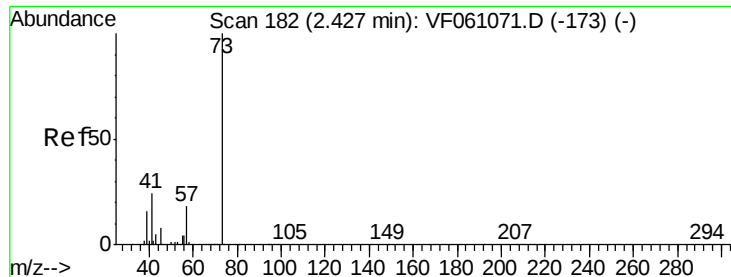
MMDadoda
12/28/2018 9:38:18 AM



#18
Methyl Acetate
Concen: 24.447 ug/l m
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion: 43 Resp: 23919
Ion Ratio Lower Upper
43 100
74 16.7 11.0 16.6#





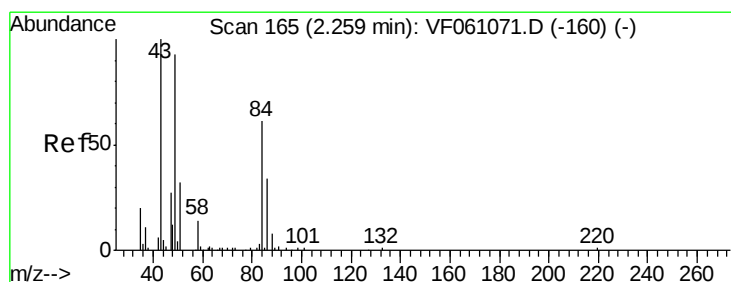
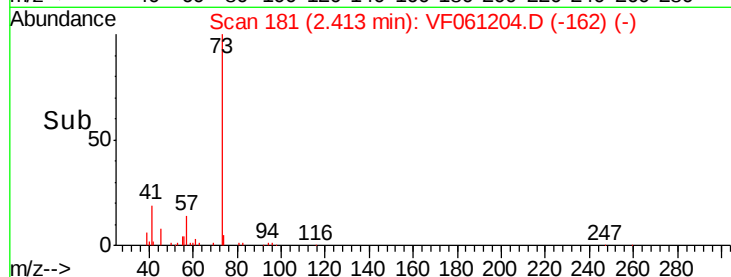
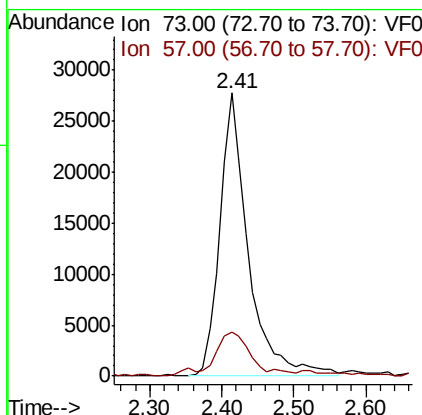
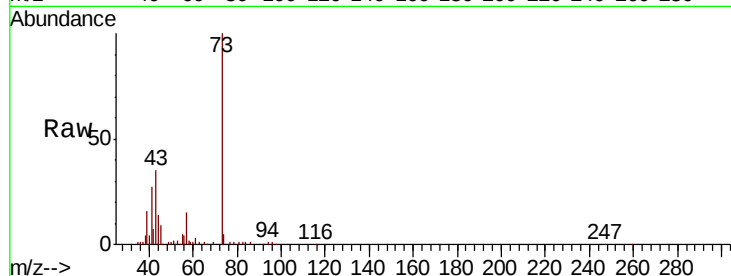
#19
Methvl tert-butvl Ether
Concen: 21.034 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion: 73 Resp: 75694
Ion Ratio Lower Upper
73 100
57 15.4 14.5 21.7

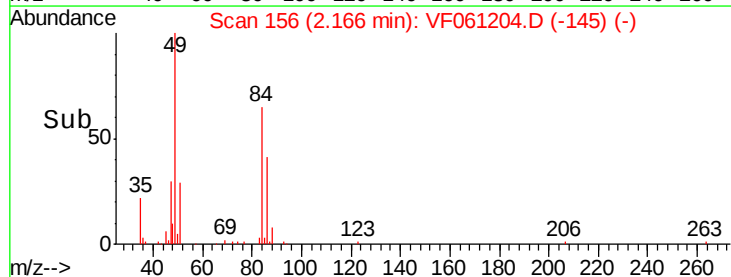
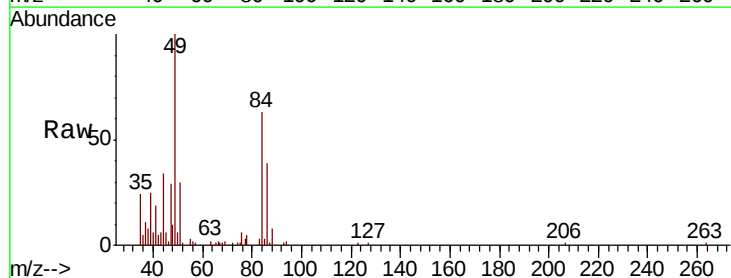
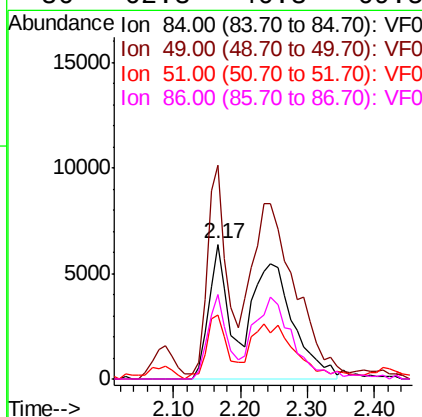
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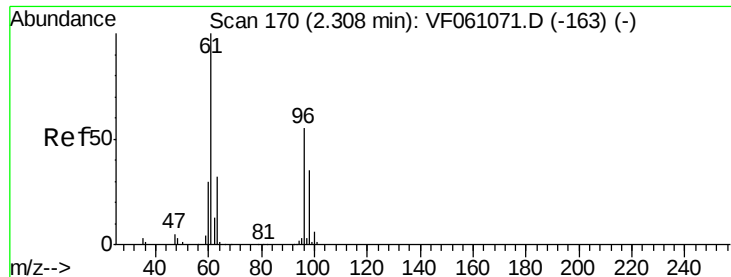
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#20
Methylene Chloride
Concen: 21.508 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.09 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion: 84 Resp: 36370
Ion Ratio Lower Upper
84 100
49 158.5 129.4 194.2
51 47.9 44.0 66.0
86 62.3 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 21.172 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

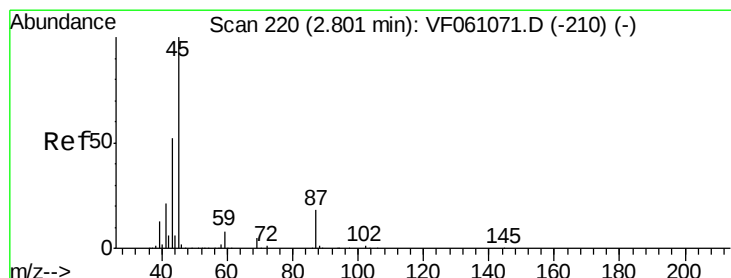
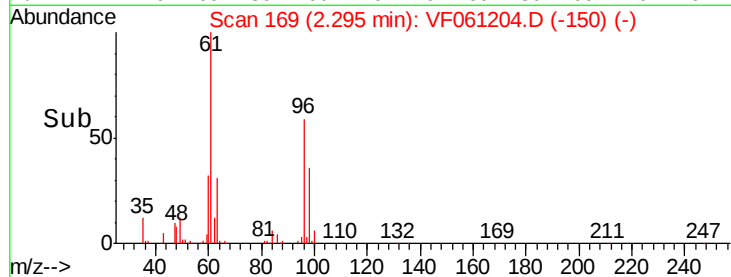
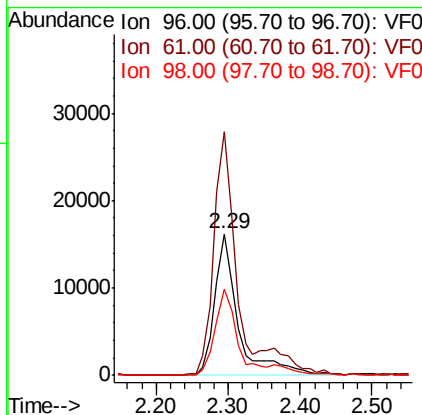
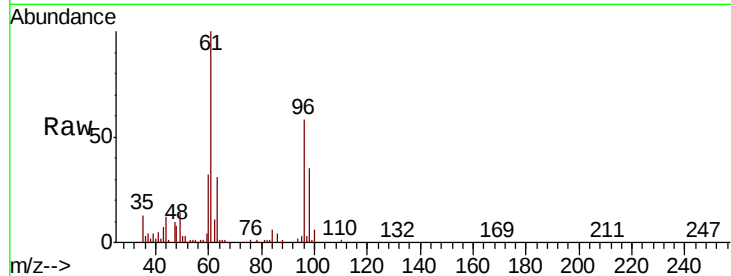
ClientSampleId :

VF1227SBS01

Tot Ion:	96	Resp:	36713
Ion	Ratio	Lower	Upper
96	100		
61	172.1	146.0	219.0
98	61.1	51.6	77.4

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#22

Diisopropyl ether

Concen: 21.645 ug/l

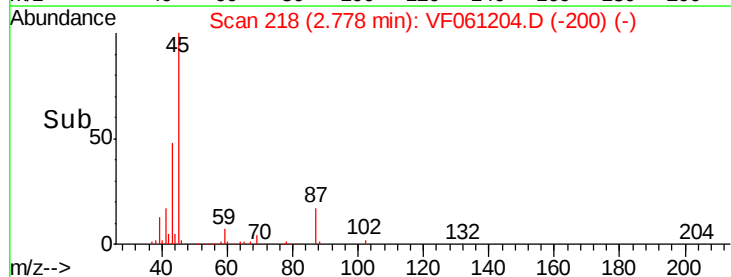
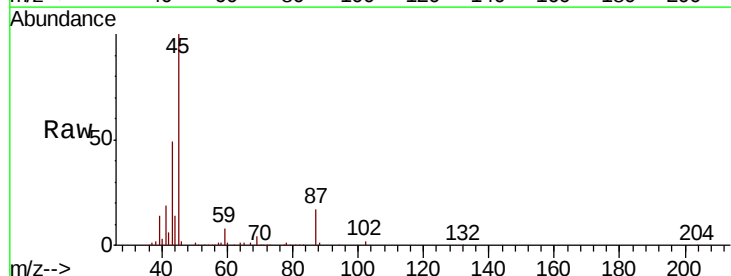
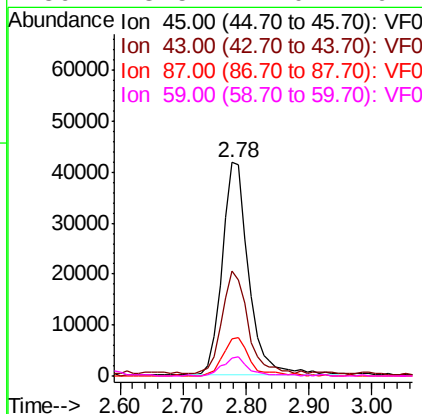
RT: 2.78 min Scan# 218

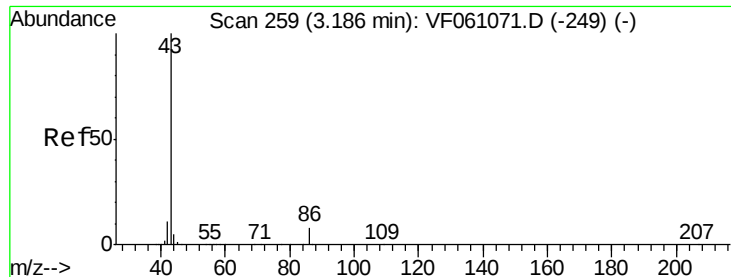
Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion:	45	Resp:	121647
Ion	Ratio	Lower	Upper
45	100		
43	49.4	42.2	63.2
87	17.3	14.6	22.0
59	8.5	7.0	10.4





#23

Vinyl Acetate

Concen: 107.641 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 43 Resp: 279077

Ion Ratio Lower Upper

43 100

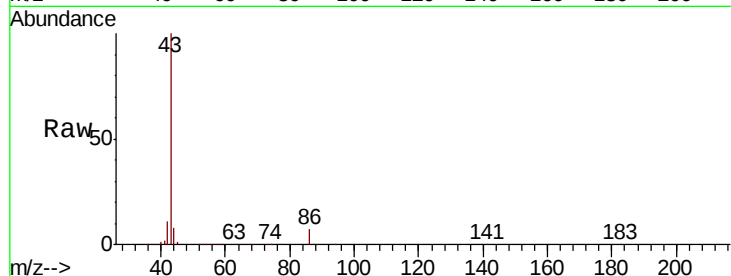
86 6.8 6.3 9.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

40000

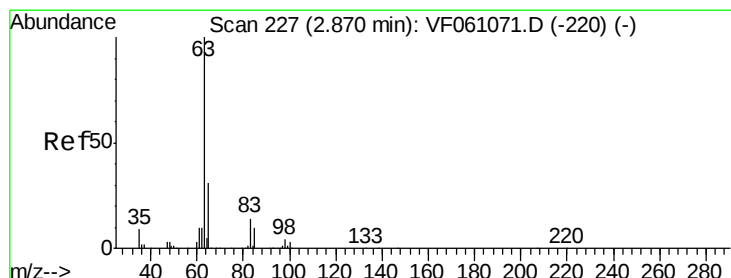
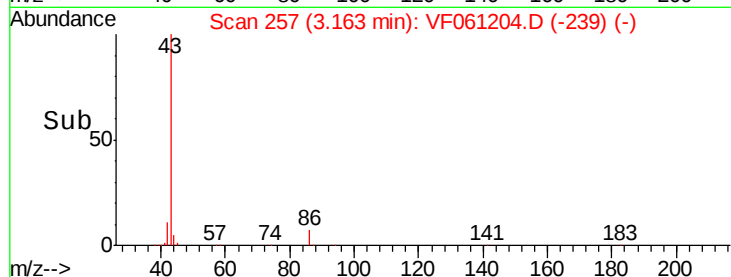
20000

0

3.16

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 21.753 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

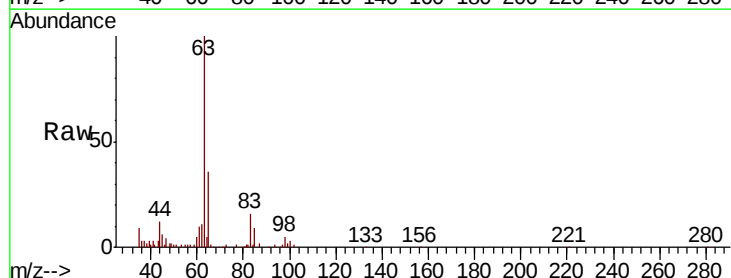
Tgt Ion: 63 Resp: 72435

Ion Ratio Lower Upper

63 100

98 5.4 2.1 6.5

100 2.7 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

30000

20000

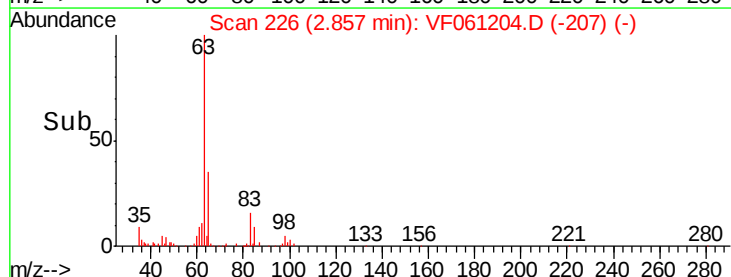
10000

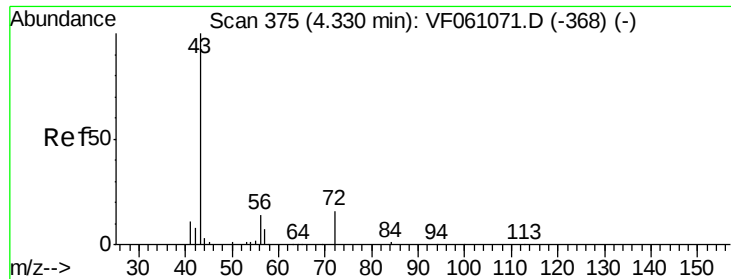
0

2.86

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 105.813 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 43 Resp: 81154

Ion Ratio Lower Upper

43 100

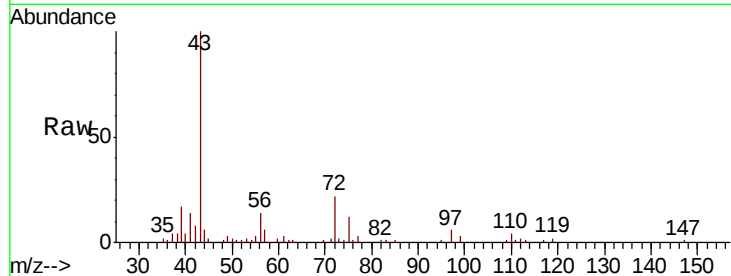
72 22.0 15.6 23.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

20000

15000

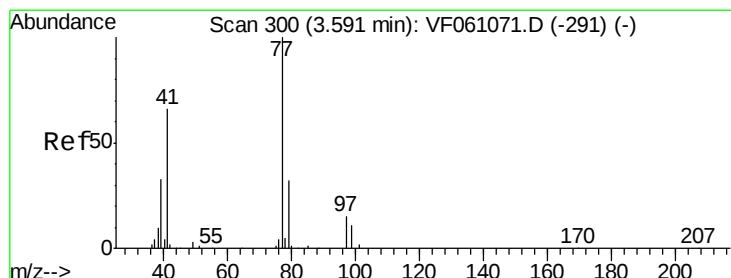
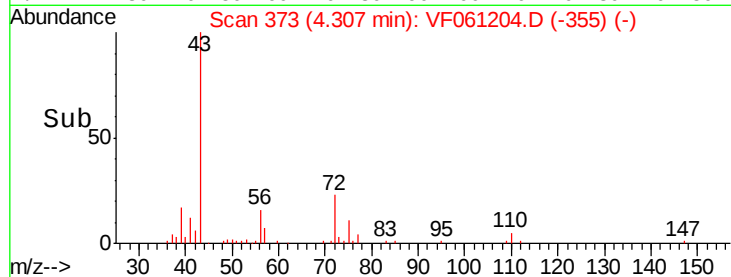
10000

5000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 24.361 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.02 min

Lab File: VF061204.D

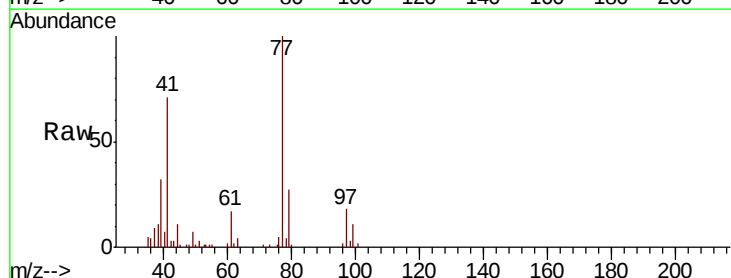
Acq: 27 Dec 2018 13:18

Tgt Ion: 77 Resp: 46553

Ion Ratio Lower Upper

77 100

97 18.0 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

15000

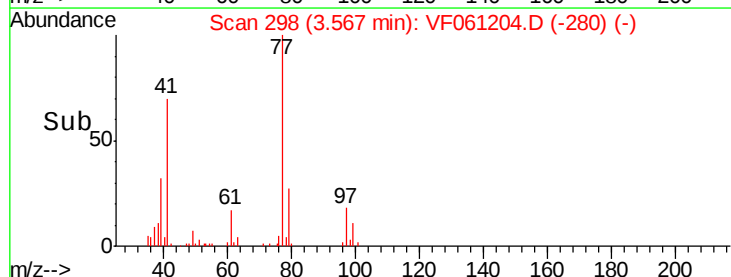
10000

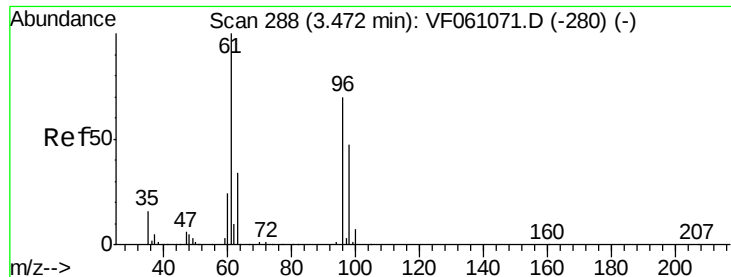
5000

0

3.50 3.60 3.70

Time-->





#27

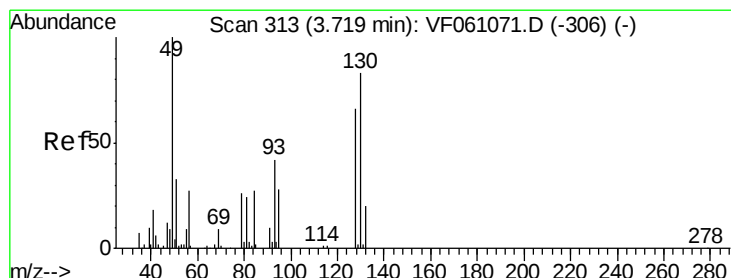
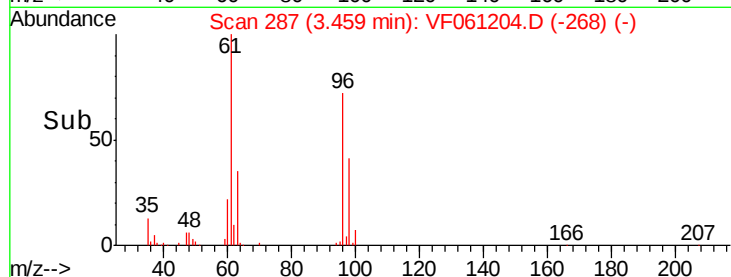
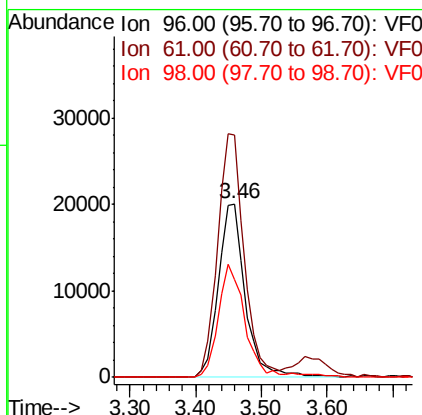
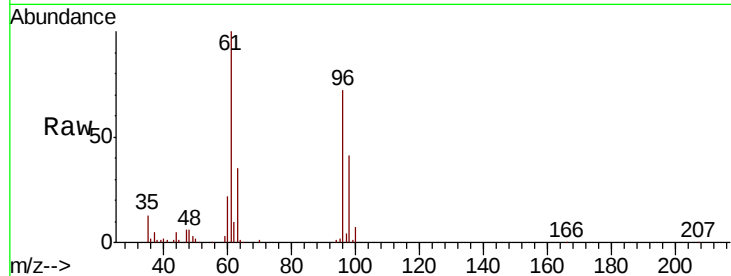
cis-1,2-Dichloroethene
Concen: 21.615 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	287.8
98	56.5	0.0	134.2

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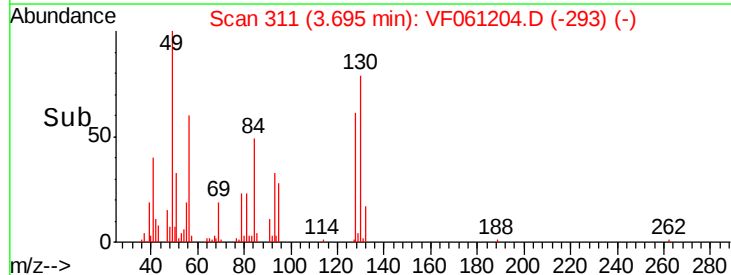
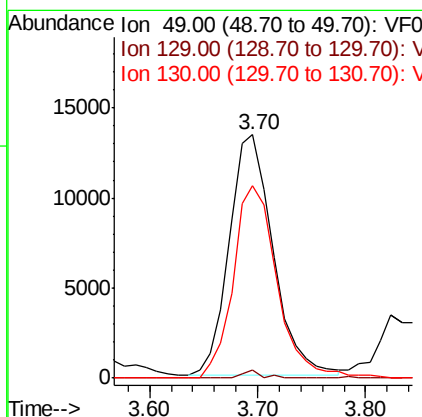
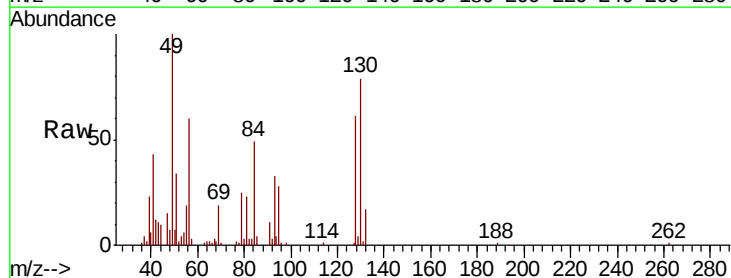
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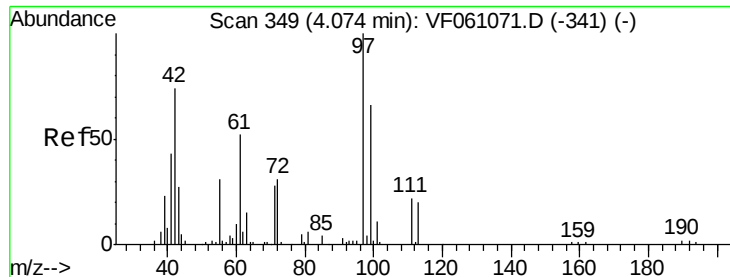


#28

Bromochloromethane
Concen: 22.358 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	3.6
130	79.1	65.8	98.6





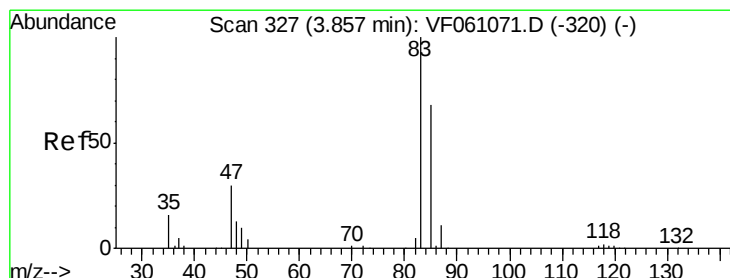
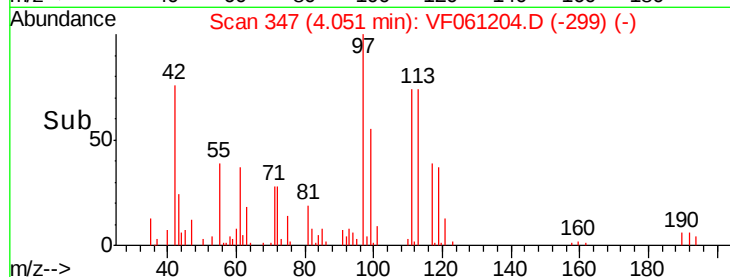
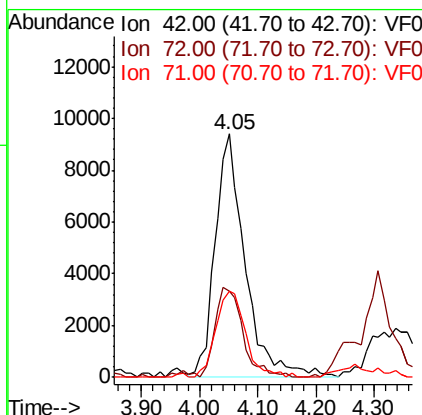
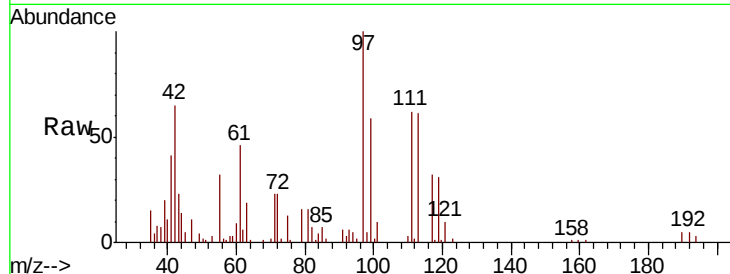
#29
Tetrahydrofuran
Concen: 107.881 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	42	Resp	33676
Ion Ratio	100	Lower	Upper
42	100		
72	33.9	31.8	47.8
71	35.2	29.7	44.5

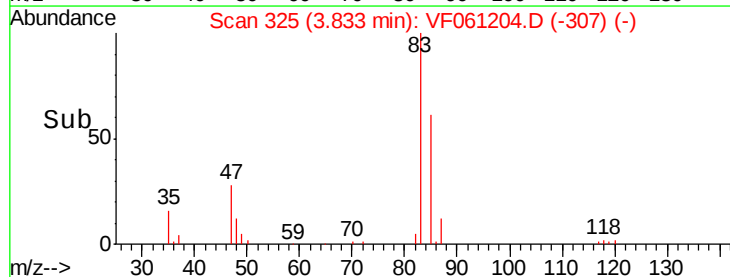
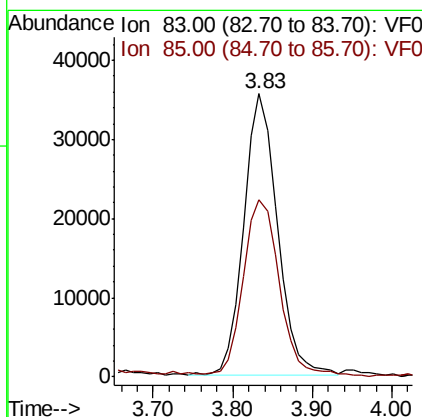
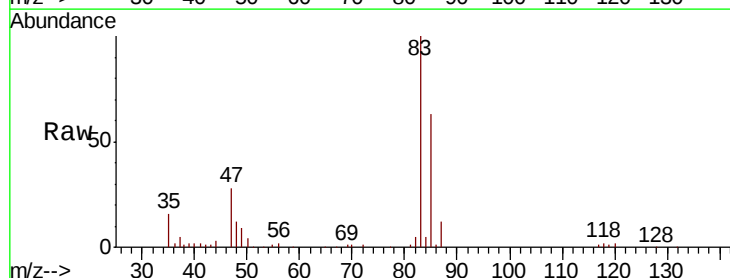
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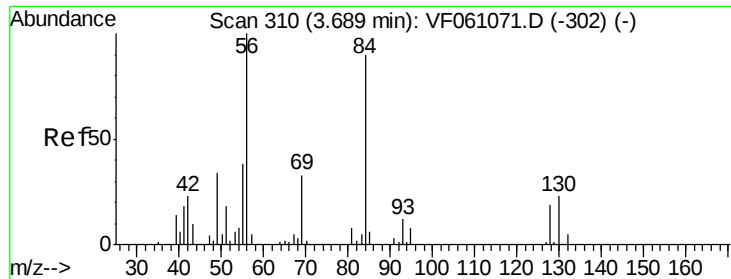
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#30
Chloroform
Concen: 20.796 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	83	Resp	103830
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	54.5	81.7





#31

Cyclohexane

Concen: 22.862 ug/l m

RT: 3.68 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 56 Resp: 78995

Ion Ratio Lower Upper

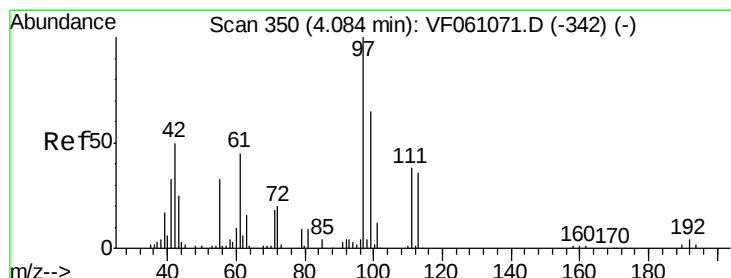
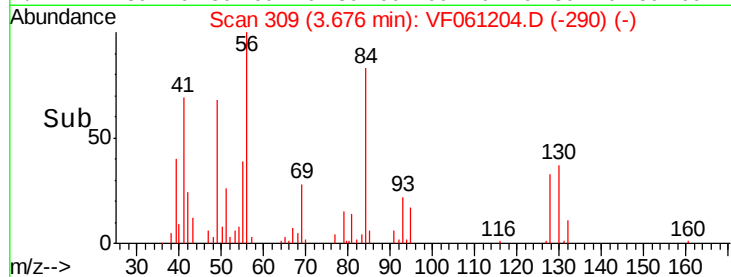
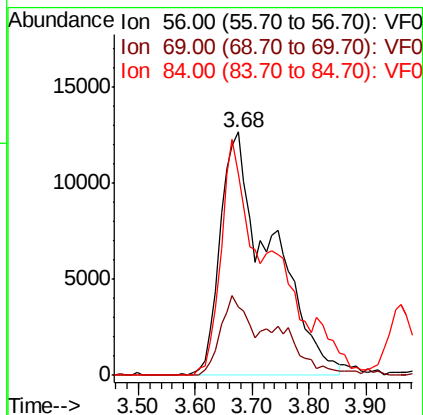
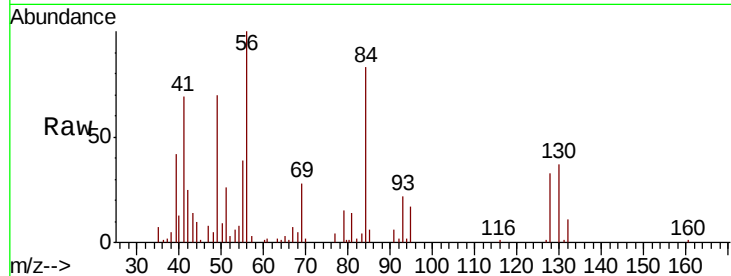
56 100

69 27.9 26.0 39.0

84 82.7 71.4 107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.972 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

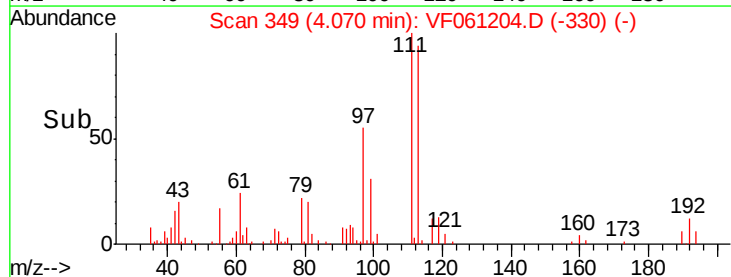
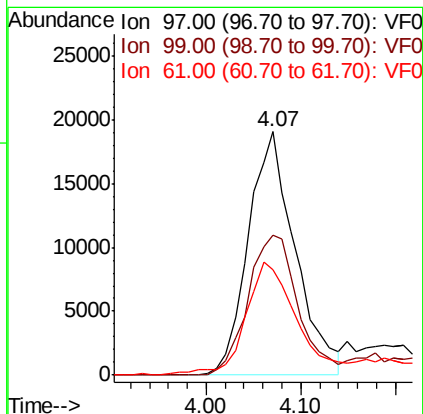
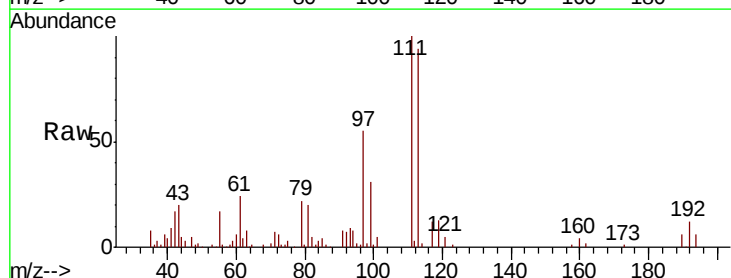
Tgt Ion: 97 Resp: 65755

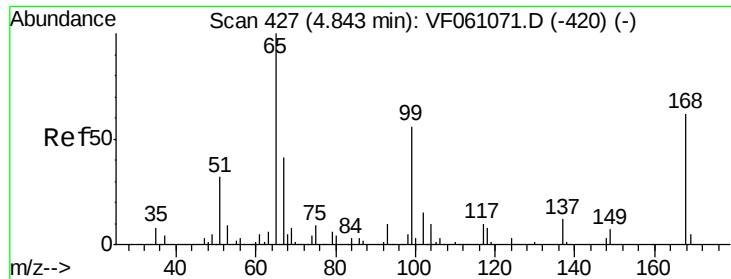
Ion Ratio Lower Upper

97 100

99 57.2 51.6 77.4

61 43.5 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 56.330 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tot Ion: 65 Resp: 133252

Ion Ratio Lower Upper

65 100

67 46.2 0.0 94.6

Instrument :

MSVOA_F

ClientSampleId :

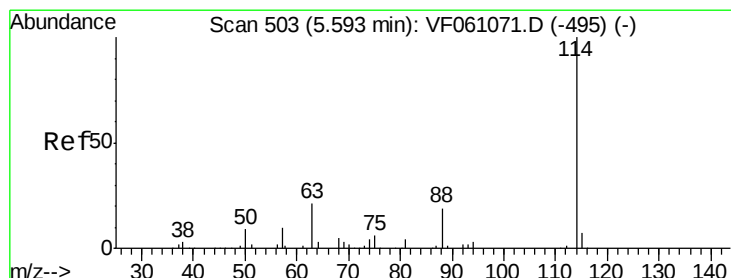
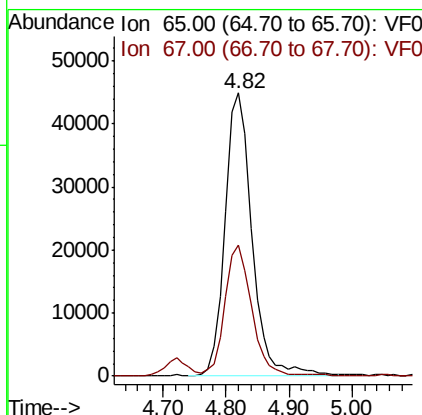
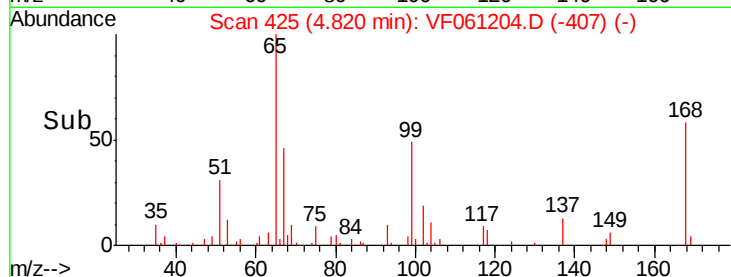
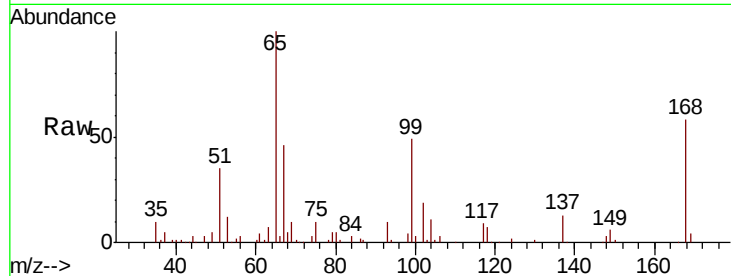
VF1227SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

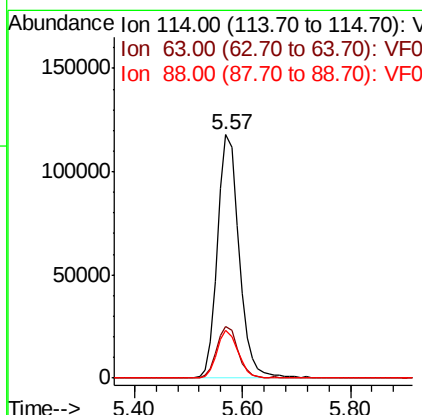
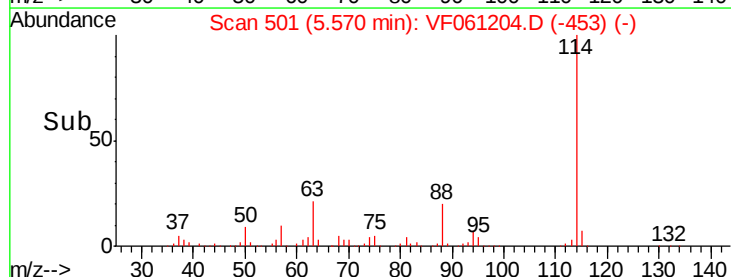
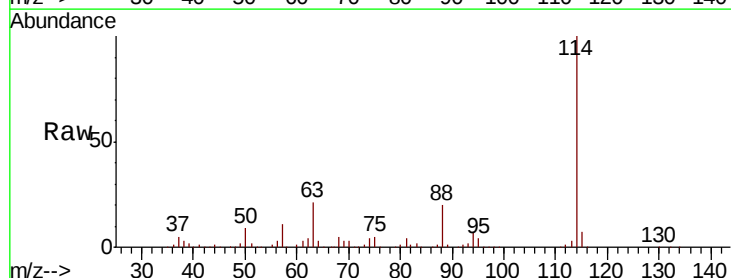
Tgt Ion: 114 Resp: 326719

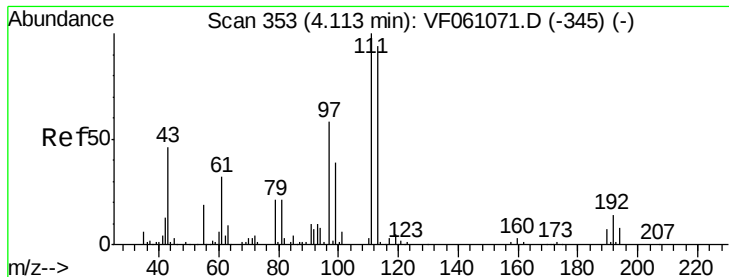
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

88 19.8 0.0 38.0





#35

Dibromofluoromethane

Concen: 54.405 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

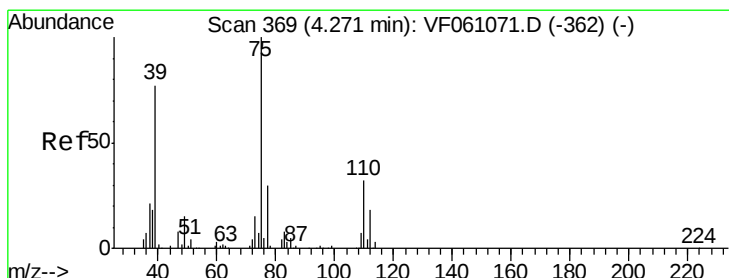
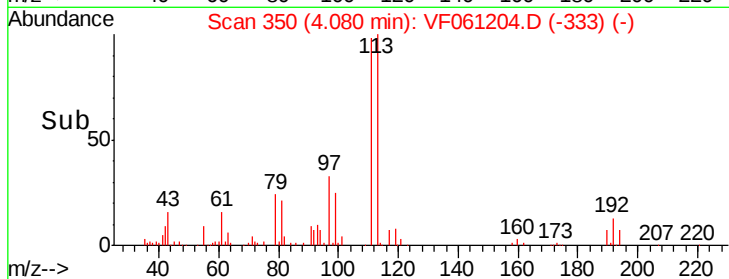
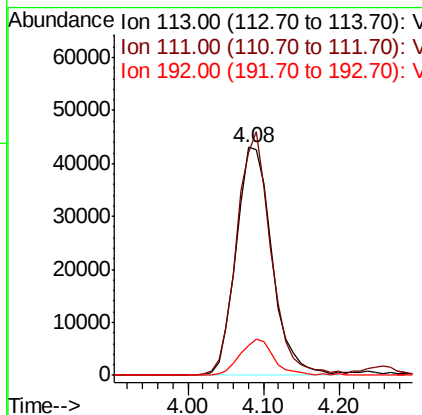
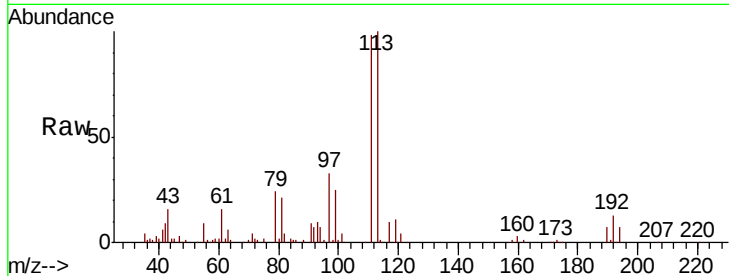
ClientSampleId :

VF1227SBS01

Tot Ion:	113	Resp:	142388
Ion Ratio	Lower	Upper	
113	100		
111	97.9	85.2	127.8
192	13.1	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 20.354 ug/l

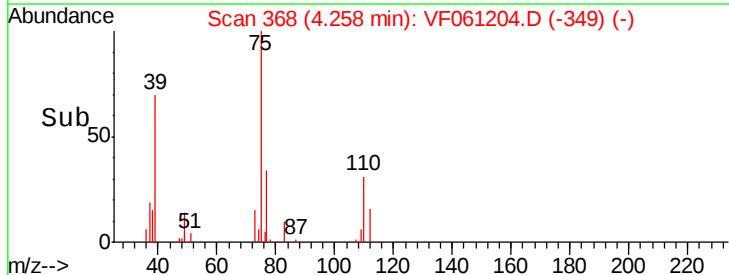
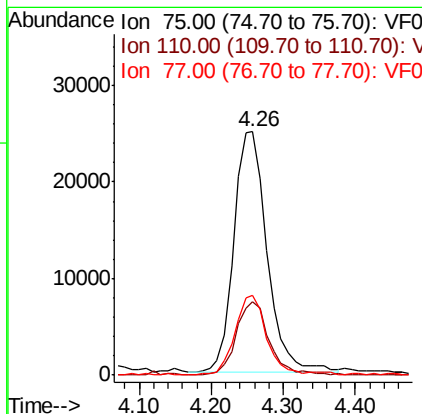
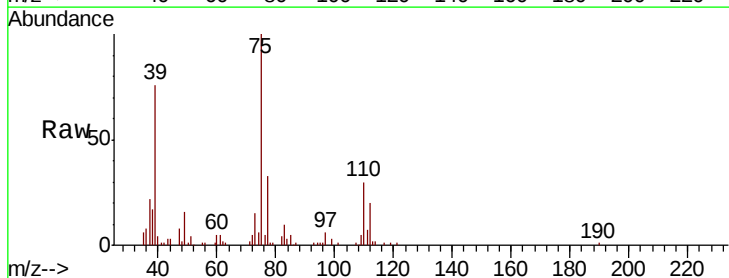
RT: 4.26 min Scan# 368

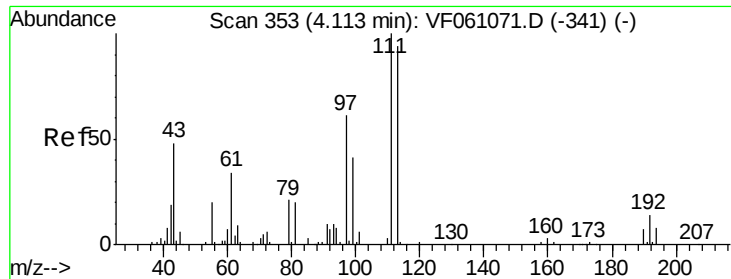
Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion:	75	Resp:	80272
Ion Ratio	Lower	Upper	
75	100		
110	30.1	16.1	48.2
77	33.0	24.5	36.7





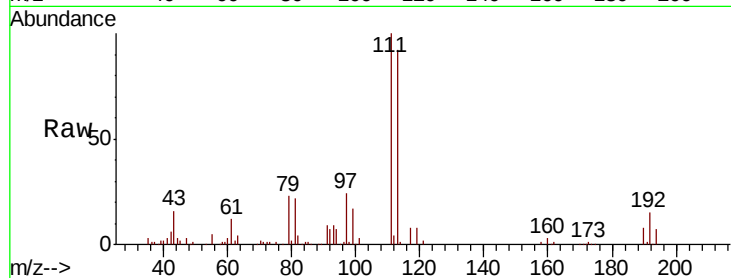
#37
Ethyl Acetate
Concen: 17.144 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	76.6	56.6	84.8
70	9.7	6.3	9.5#

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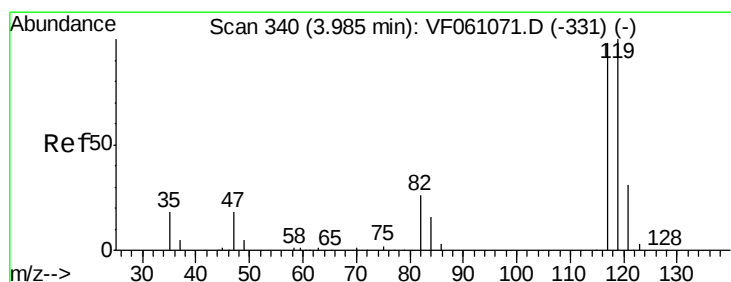
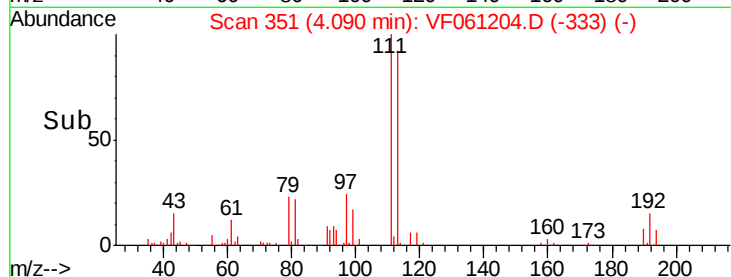
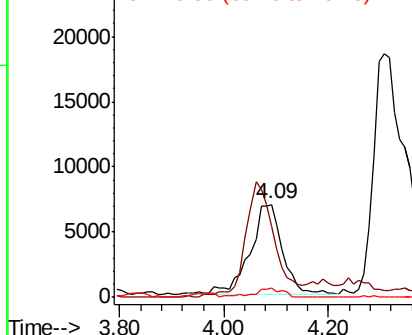


Abundance

Ion 43.00 (42.70 to 43.70): VF0

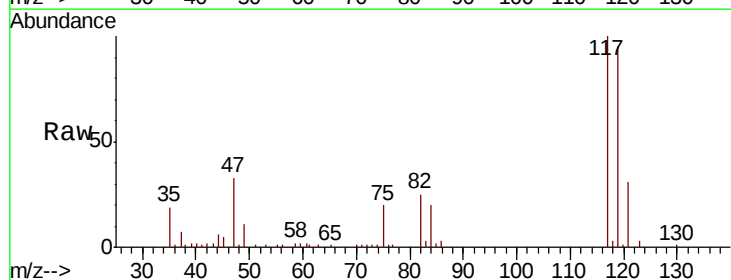
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 21.393 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	82.1	123.1
121	30.7	25.5	38.3

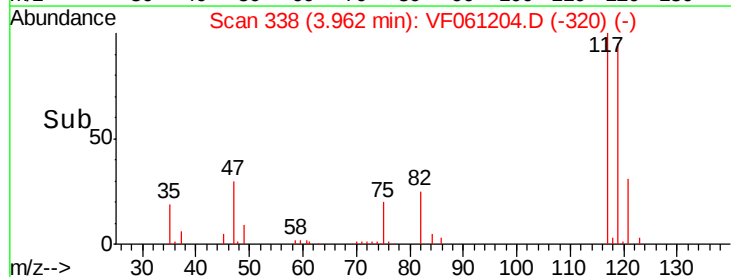
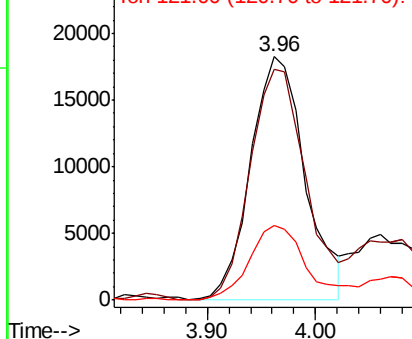


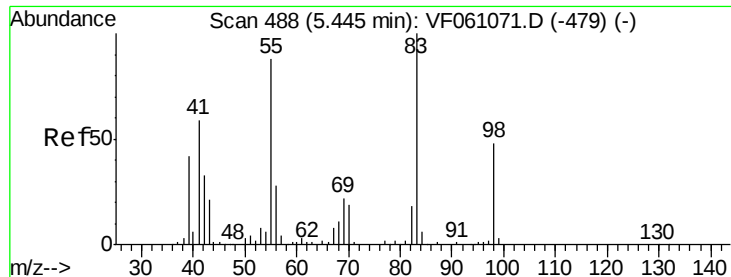
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





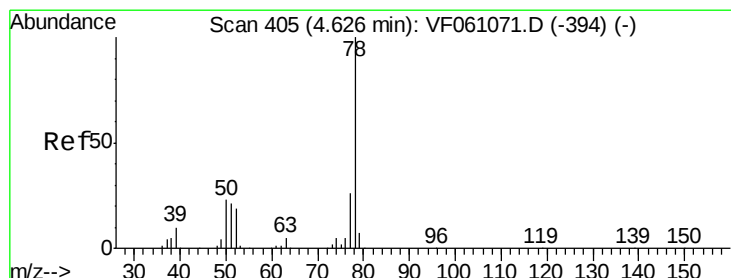
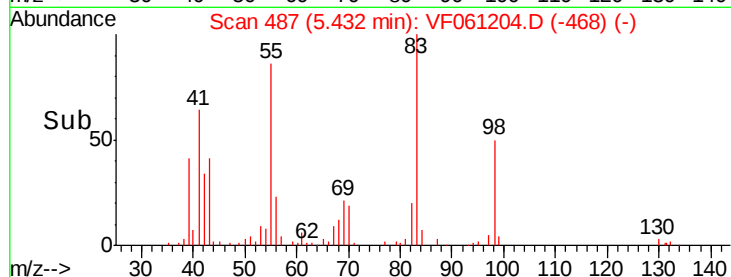
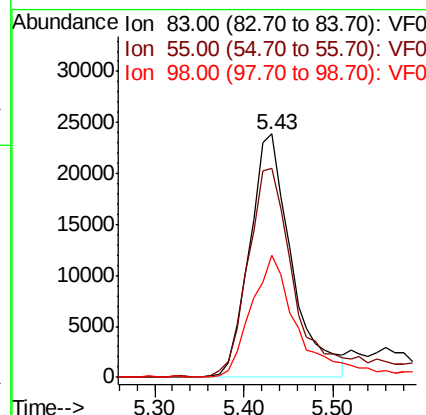
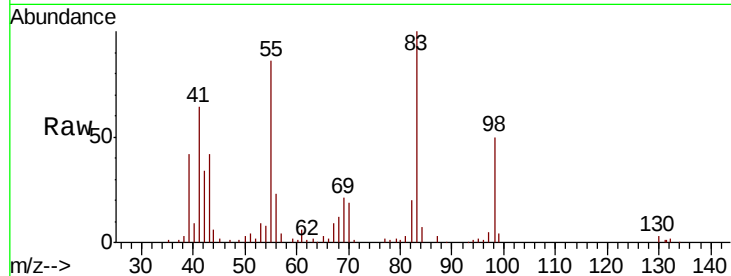
#39
Methvlcvclohexane
Concen: 22.077 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	70.6	105.8
98	50.2	38.5	57.7

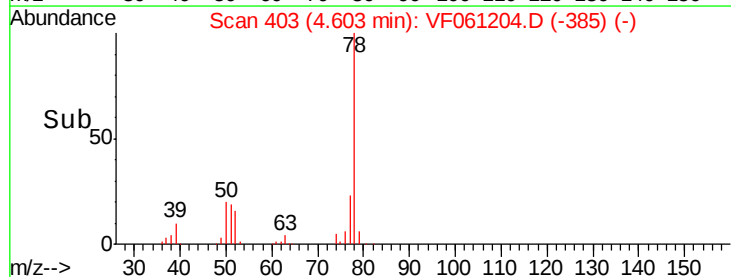
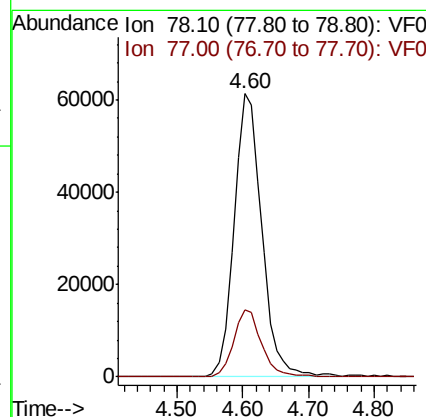
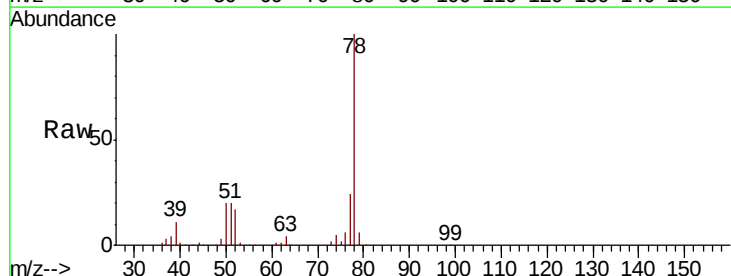
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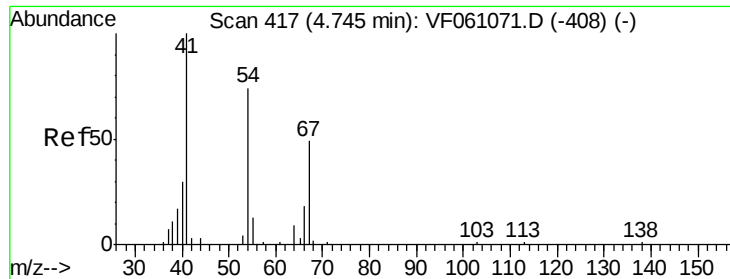
MMDadoda
12/28/2018 9:38:18 AM



#40
Benzene
Concen: 21.369 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.7	31.1





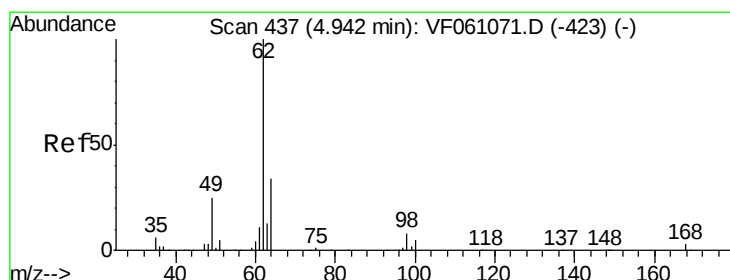
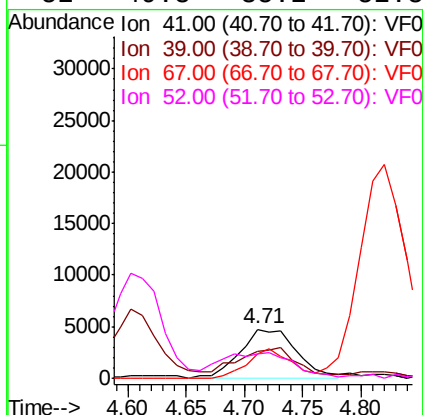
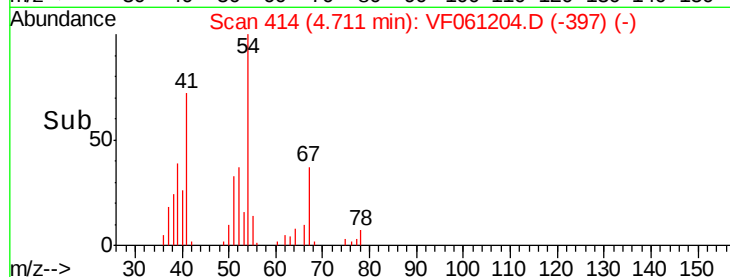
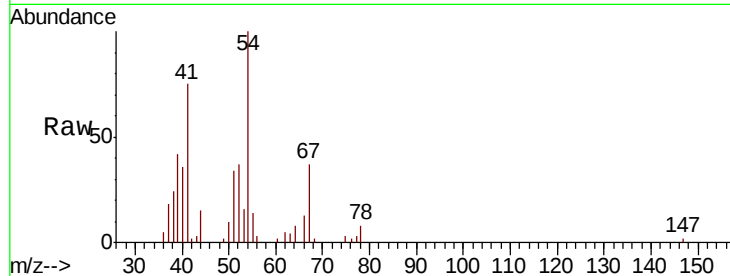
#41
Methacrylonitrile
Concen: 19.220 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.7	68.5	
67	49.1	38.9	58.3	
52	49.8	35.2	52.8	

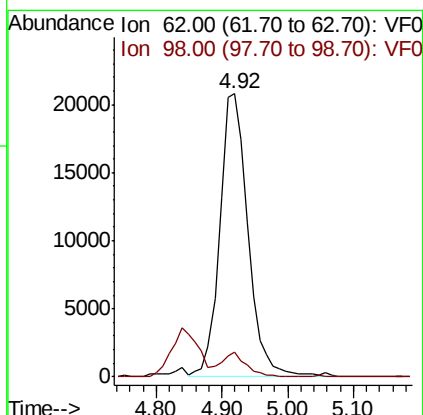
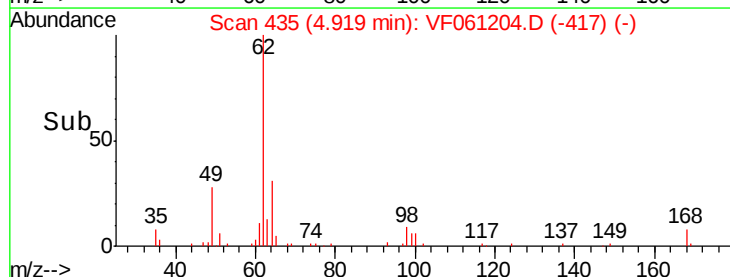
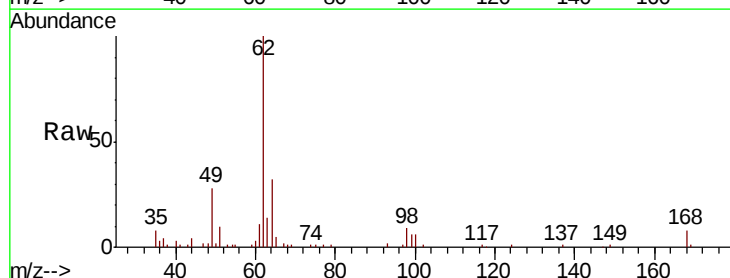
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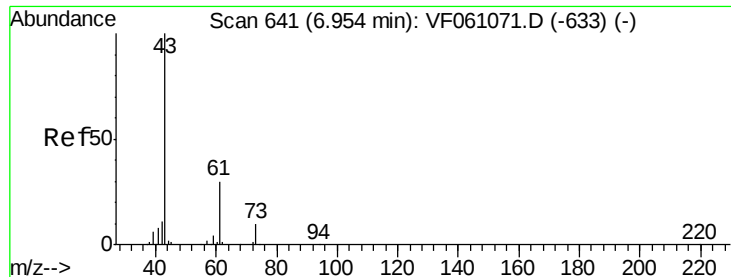
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#42
1,2-Dichloroethane
Concen: 19.445 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.6	





#43

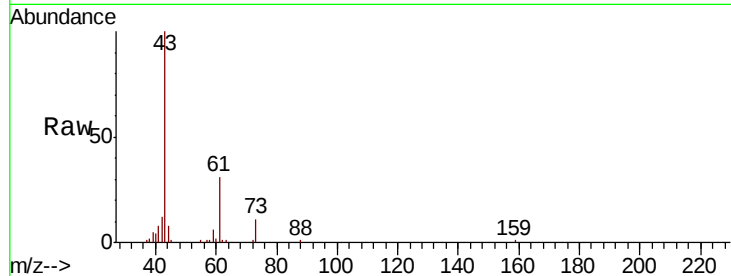
Isopropyl Acetate
 Concen: 17.933 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1227SBS01

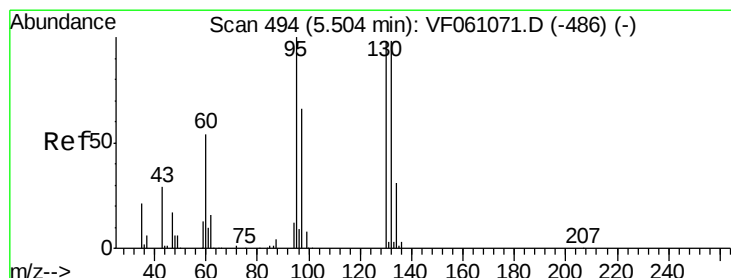
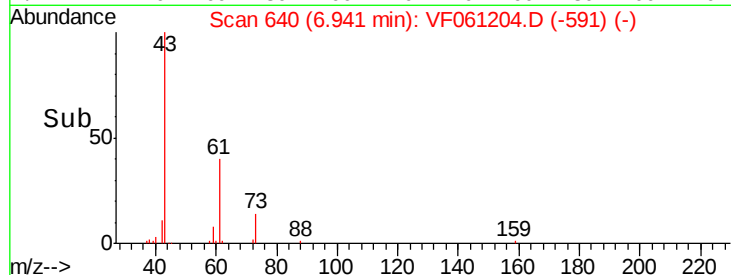
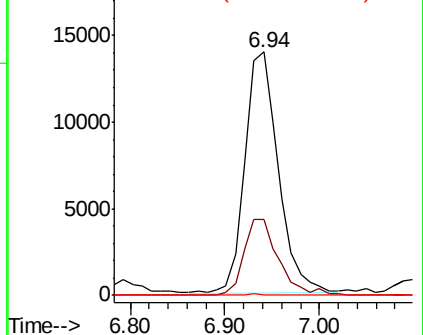
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	23.8	35.8
87	0.0	0.0	0.0

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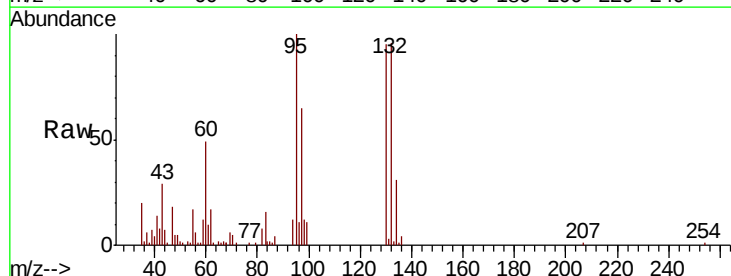
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



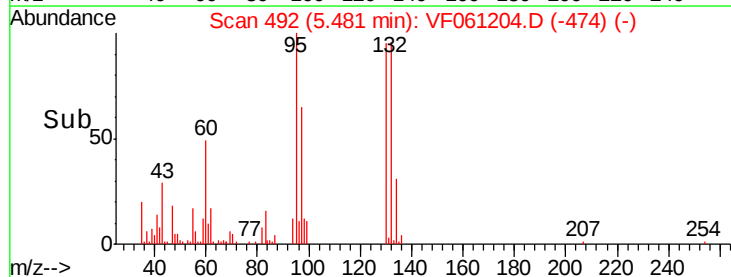
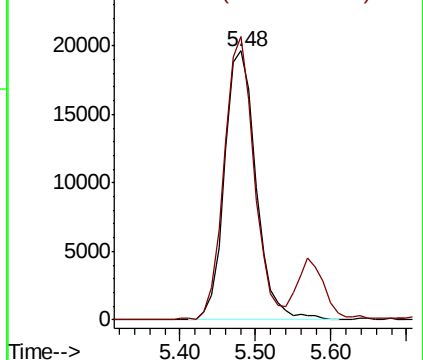
#44

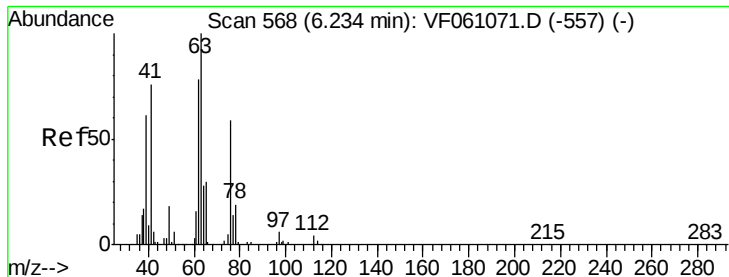
Trichloroethene
 Concen: 21.115 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	205.2



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





#45

1,2-Dichloropropane

Concen: 20.117 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 63 Resp: 46417

Ion Ratio Lower Upper

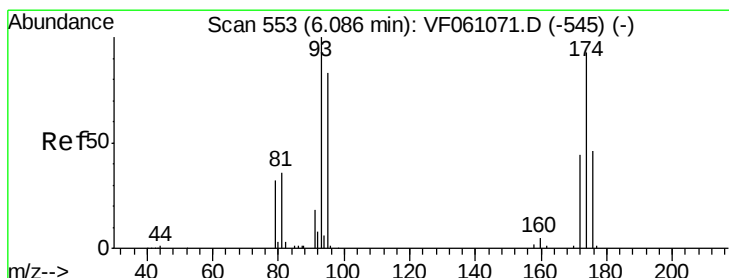
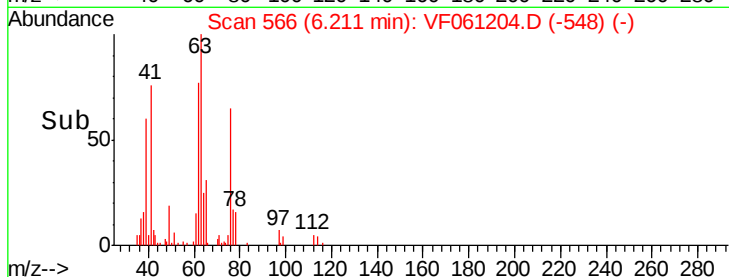
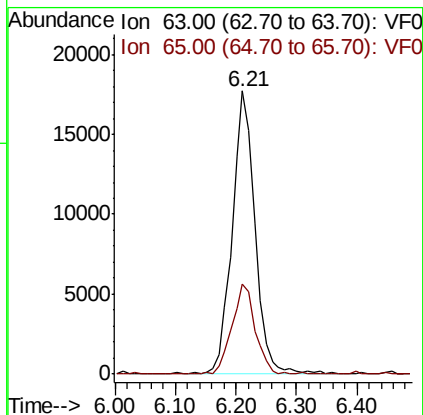
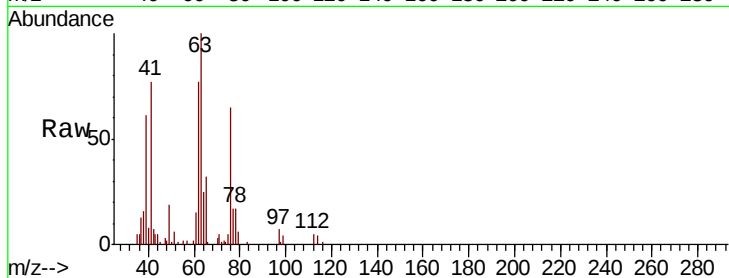
63 100

65 31.8 24.4 36.6

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#46

Dibromomethane

Concen: 19.878 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

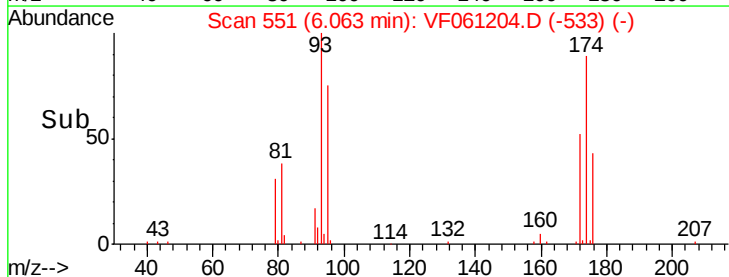
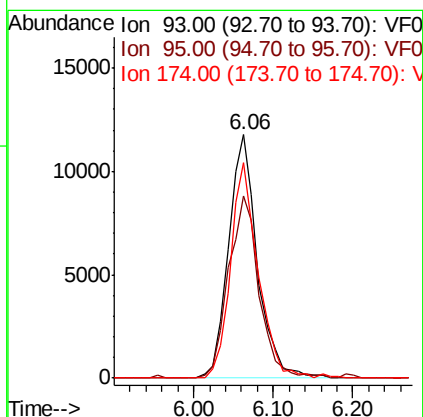
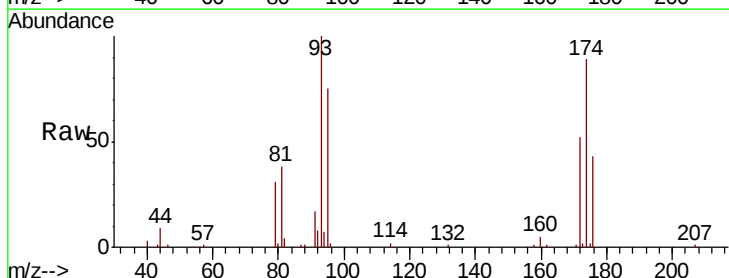
Tgt Ion: 93 Resp: 29748

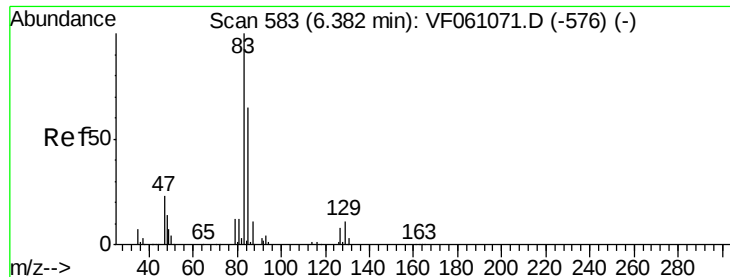
Ion Ratio Lower Upper

93 100

95 74.7 66.9 100.3

174 88.7 74.1 111.1





#47

Bromodichloromethane

Concen: 19.972 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

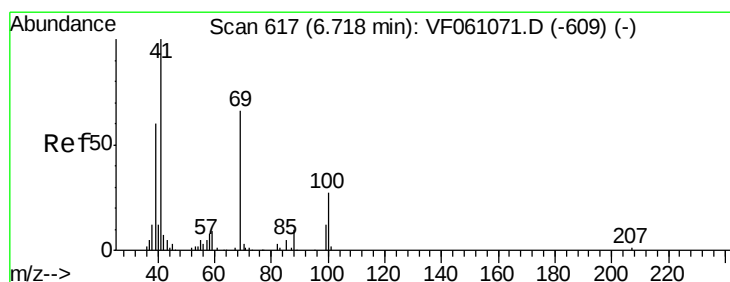
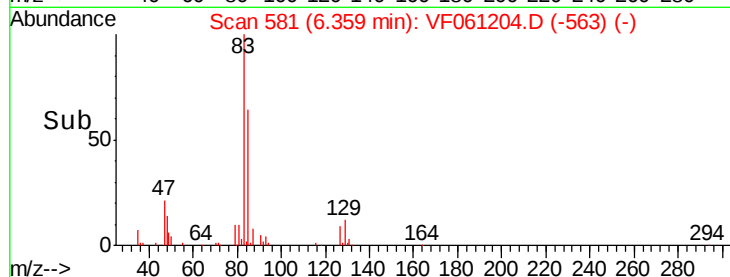
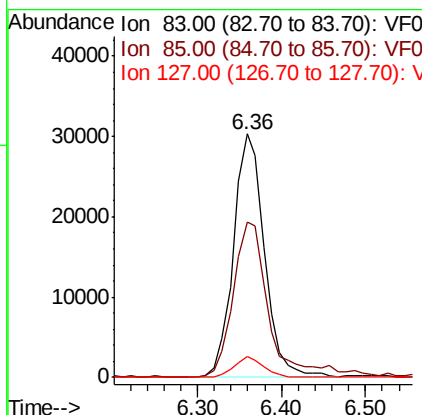
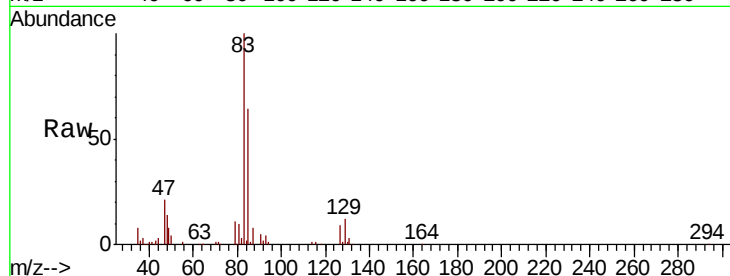
ClientSampleId :

VF1227SBS01

Tot Ion:	83	Resp:	77659
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4
127	8.7	6.1	9.1

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#48

Methyl methacrylate

Concen: 17.062 ug/l

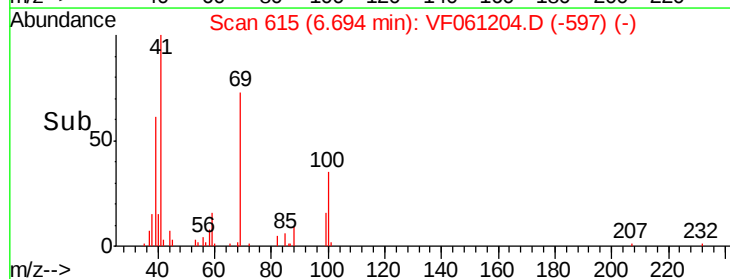
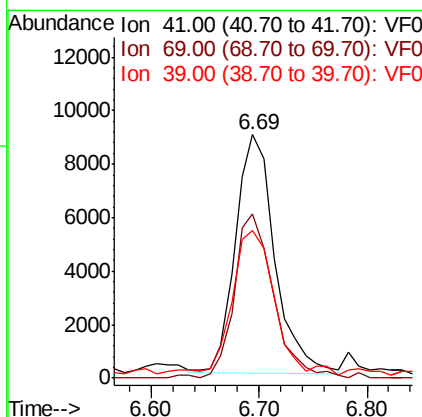
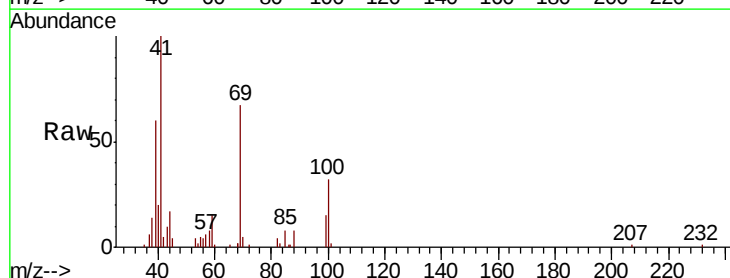
RT: 6.69 min Scan# 615

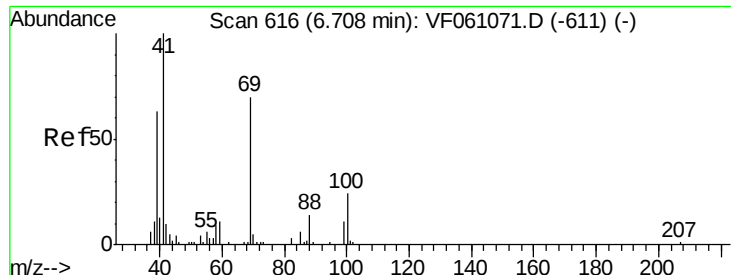
Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion:	41	Resp:	22681
Ion	Ratio	Lower	Upper
41	100		
69	67.3	52.7	79.1
39	60.4	47.8	71.6





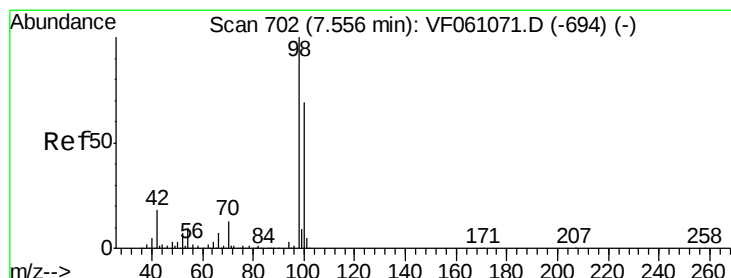
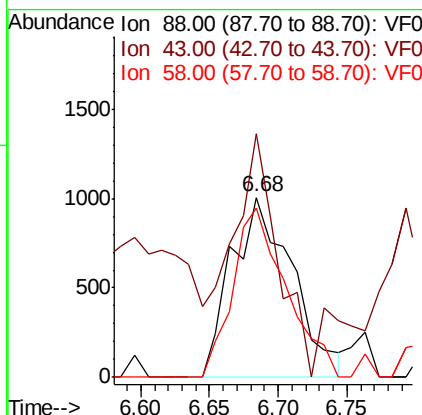
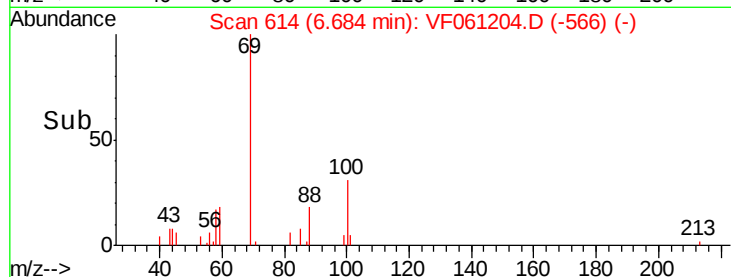
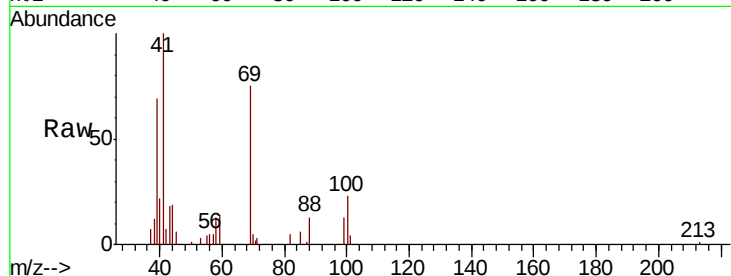
#49
1,4-Dioxane
Concen: 320.452 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	135.4	33.3	49.9#
58	94.2	53.2	79.8#

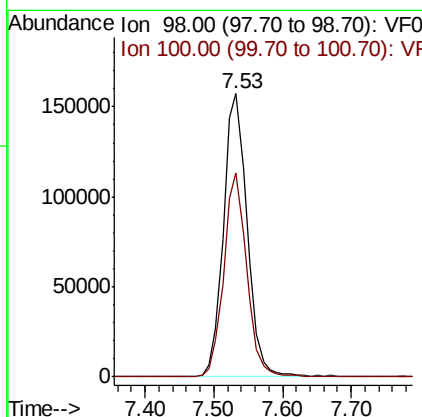
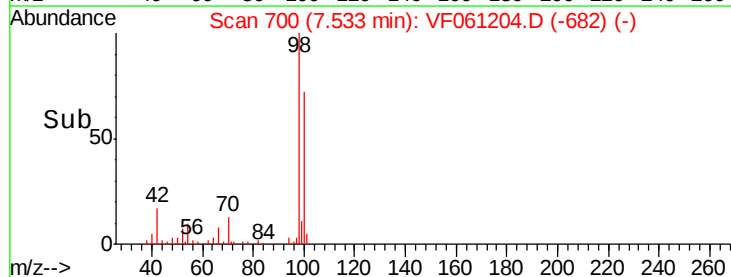
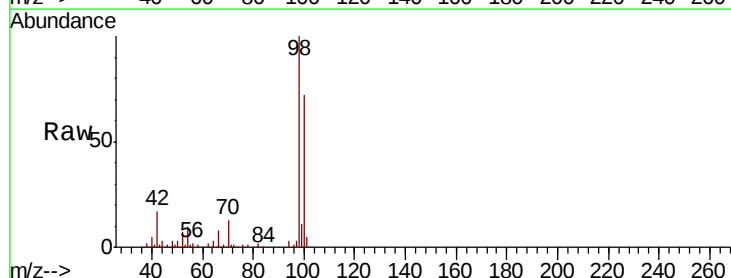
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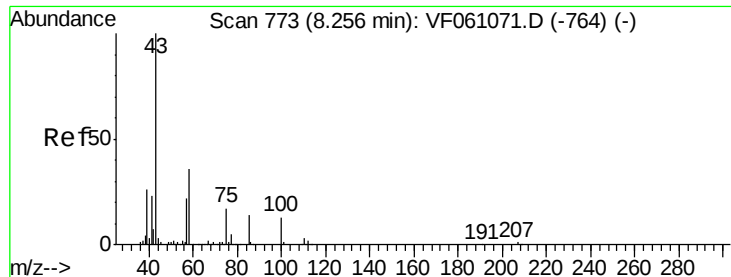
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#50
Toluene-d8
Concen: 50.800 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.3	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 101.833 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 43 Resp: 132990

Ion Ratio Lower Upper

43 100

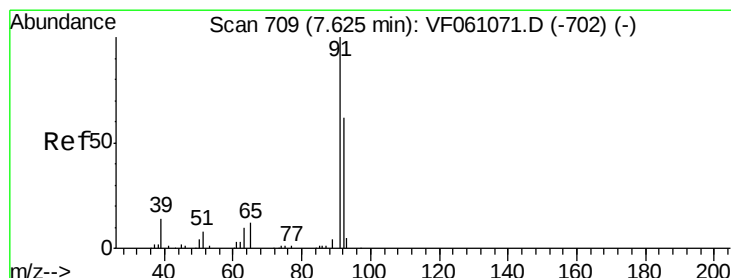
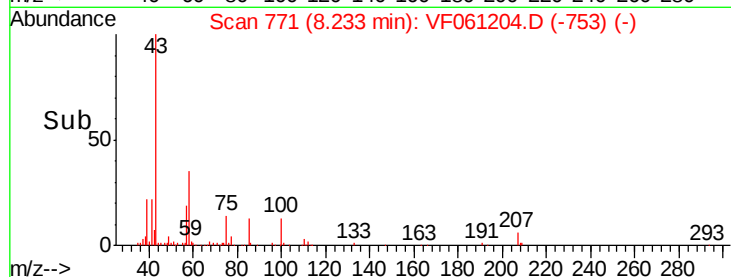
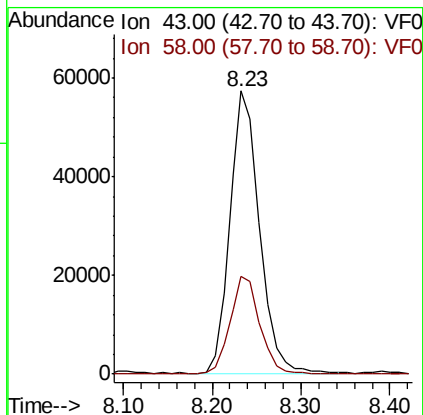
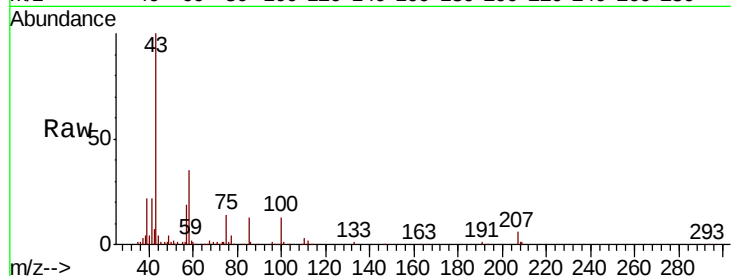
58 34.6 29.1 43.7

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#52

Toluene

Concen: 20.211 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061204.D

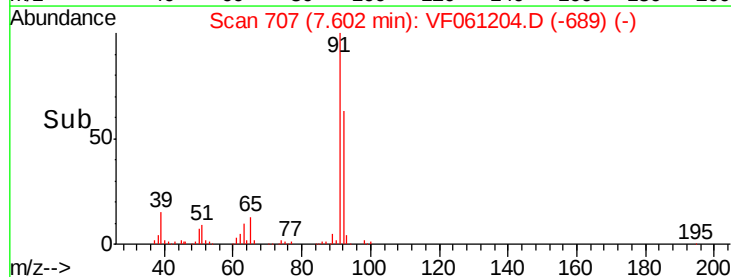
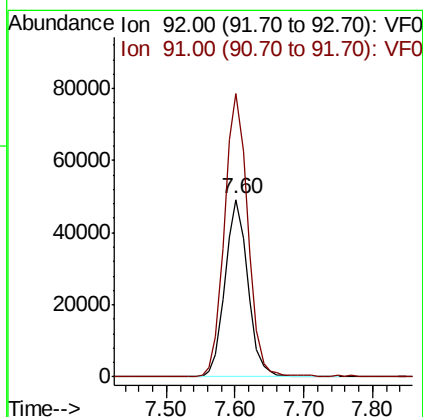
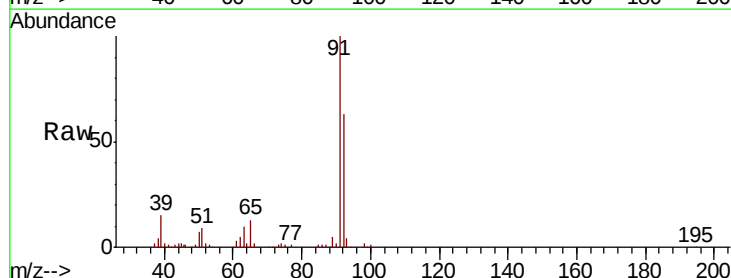
Acq: 27 Dec 2018 13:18

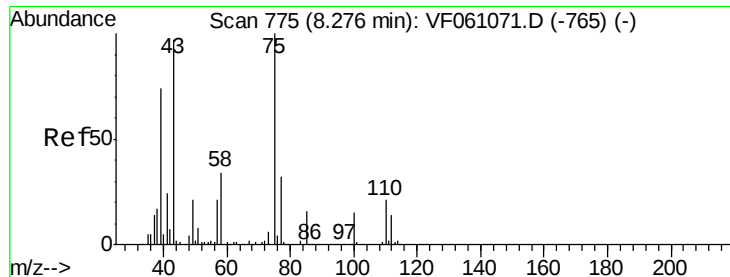
Tgt Ion: 92 Resp: 113465

Ion Ratio Lower Upper

92 100

91 159.6 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 18.748 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 75 Resp: 58810

Ion Ratio Lower Upper

75 100

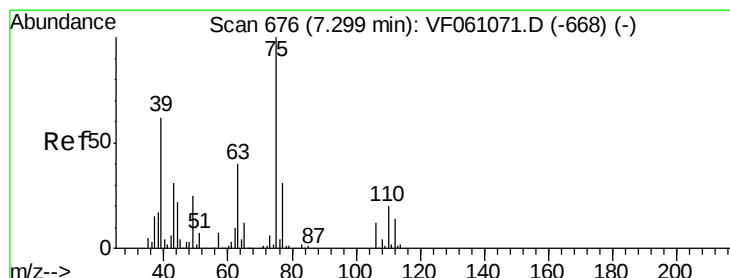
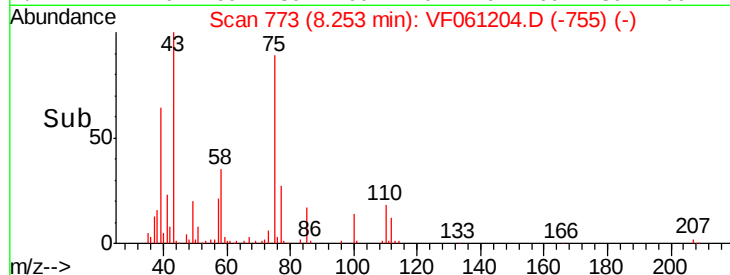
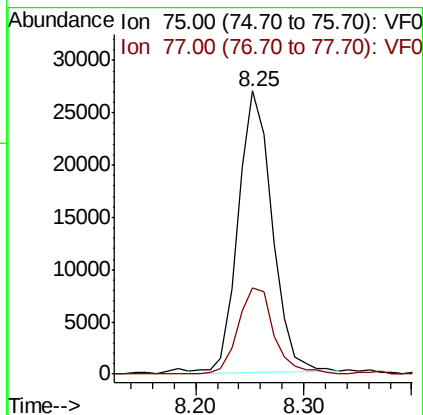
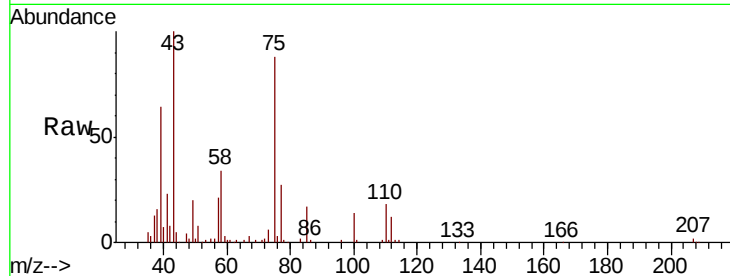
77 30.3 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 20.352 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

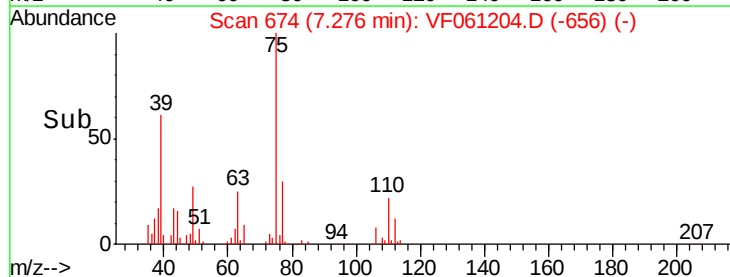
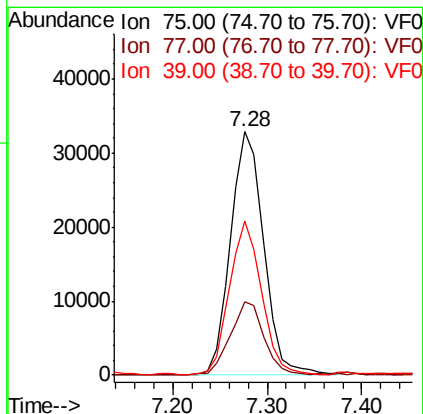
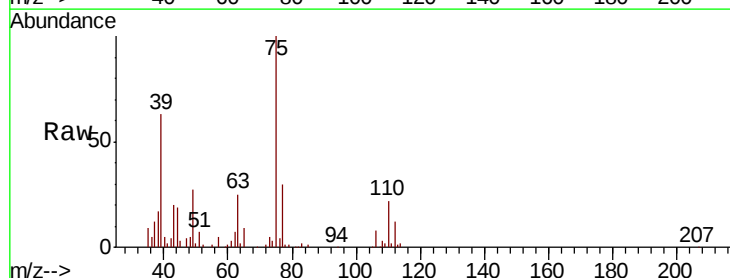
Tgt Ion: 75 Resp: 80124

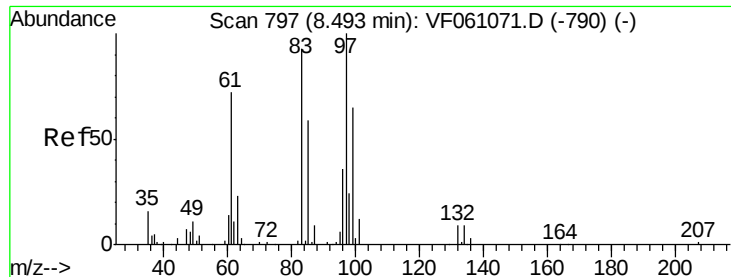
Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

39 63.1 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 18.751 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

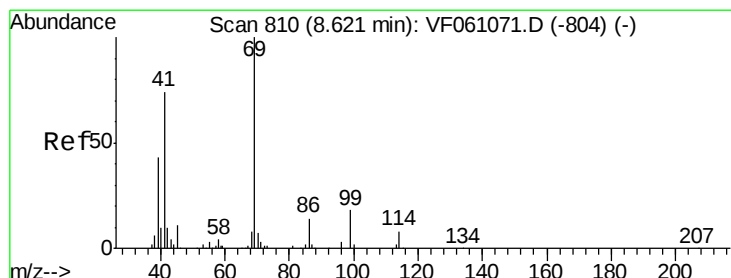
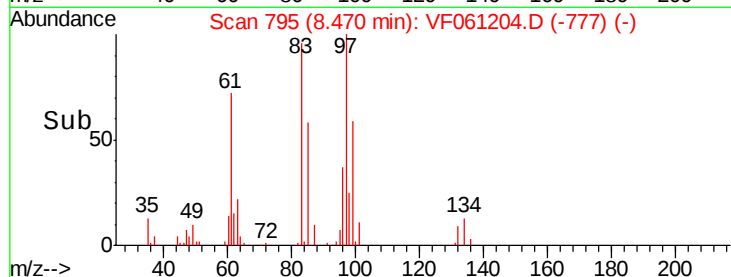
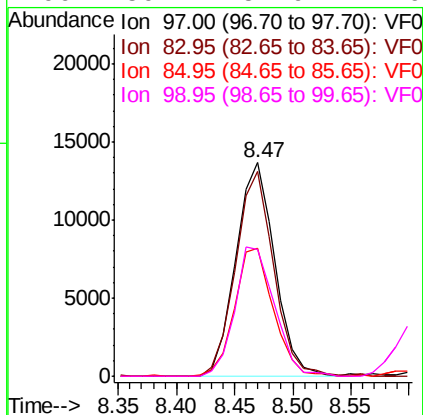
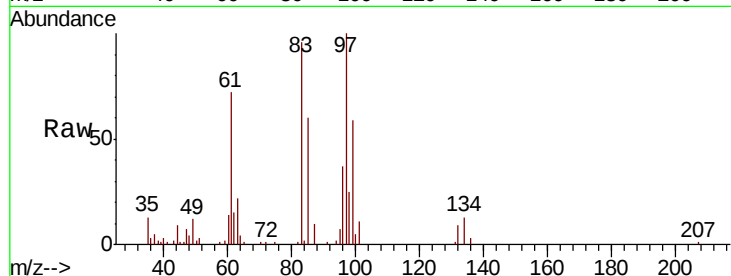
ClientSampleId :

VF1227SBS01

Tot Ion:	97	Resp:	31558
Ion	Ratio	Lower	Upper
97	100		
83	96.2	75.0	112.4
85	59.9	47.5	71.3
99	59.1	51.9	77.9

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#56

Ethyl methacrylate

Concen: 19.182 ug/l

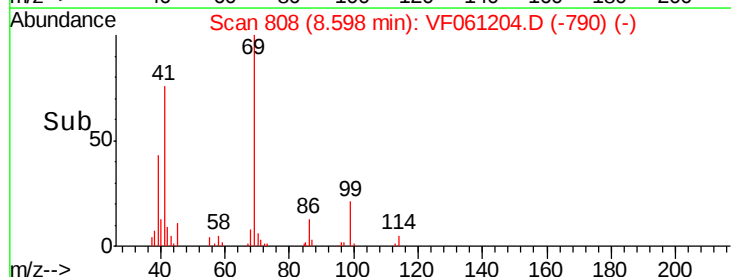
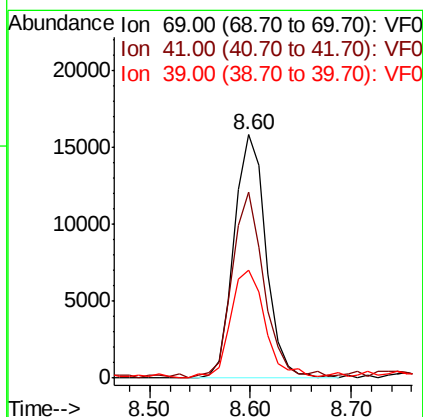
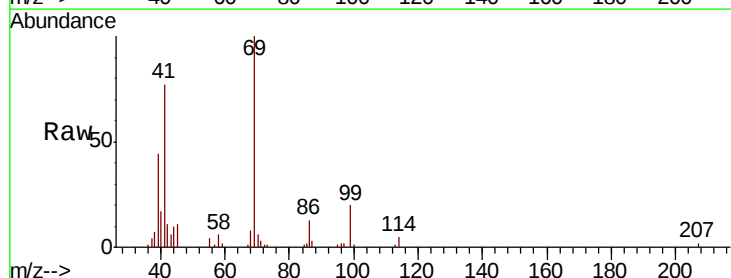
RT: 8.60 min Scan# 808

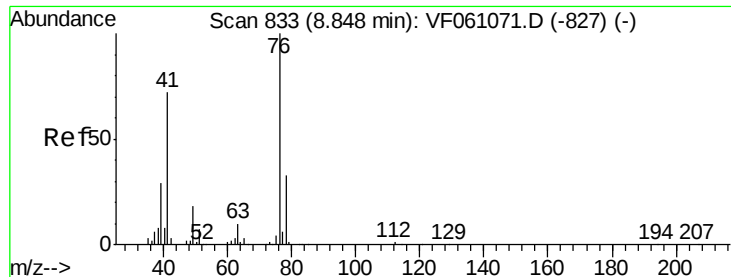
Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion:	69	Resp:	34933
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.7	89.5
39	44.3	35.0	52.6





#57

1,3-Dichloropropane

Concen: 19.211 ug/l

RT: 8.82 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 76 Resp: 58475

Ion Ratio Lower Upper

76 100

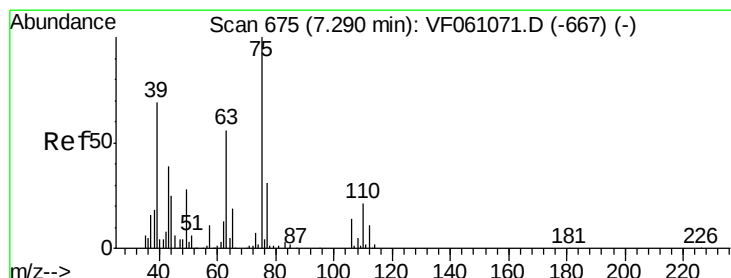
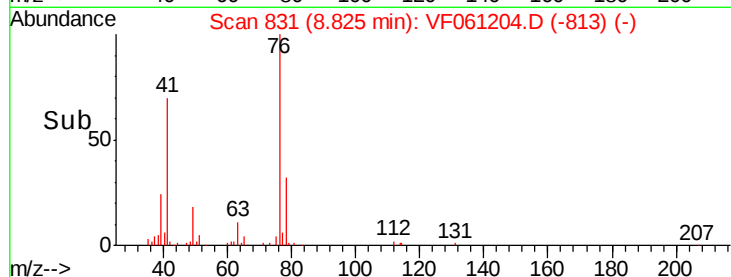
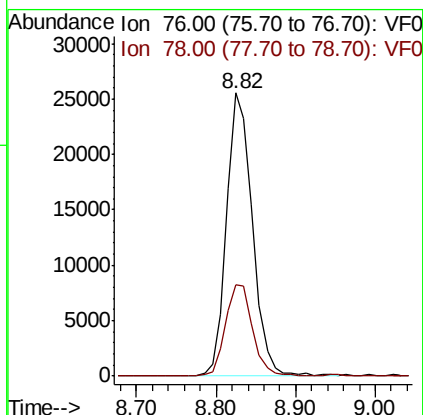
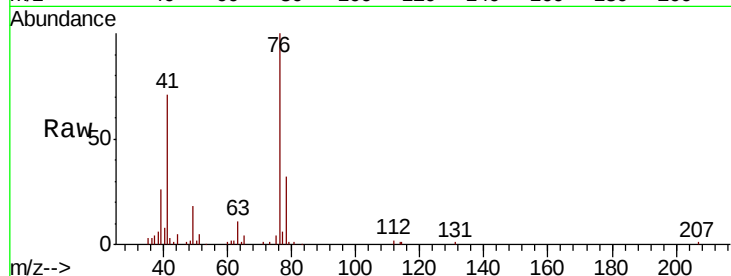
78 32.2 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 61.016 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061204.D

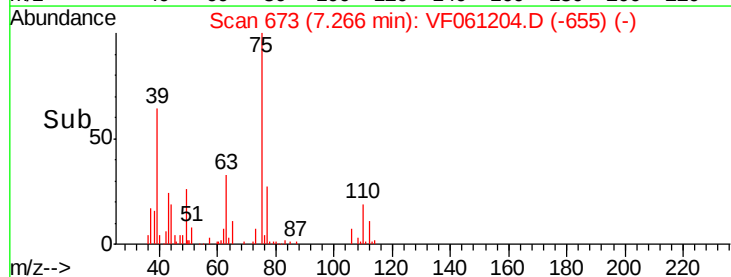
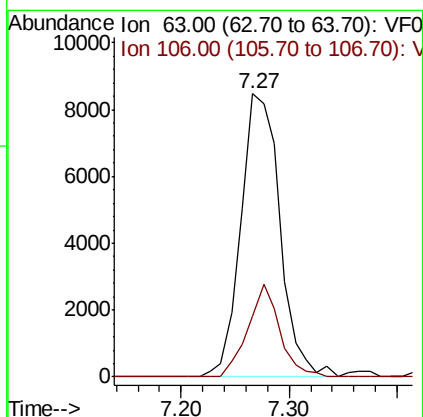
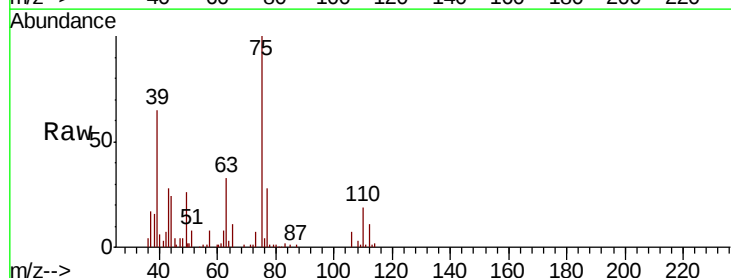
Acq: 27 Dec 2018 13:18

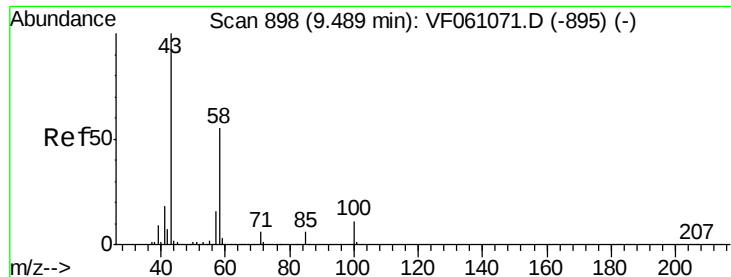
Tgt Ion: 63 Resp: 21341

Ion Ratio Lower Upper

63 100

106 21.2 19.8 29.8





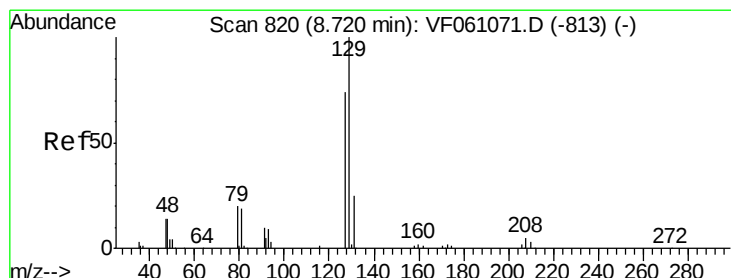
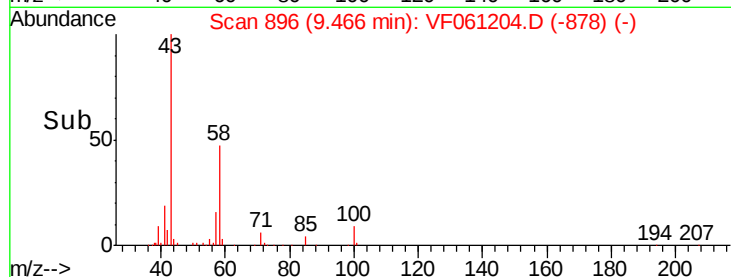
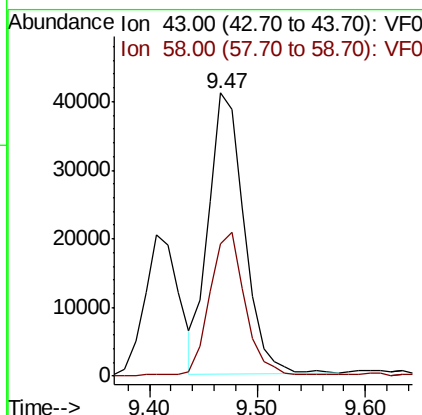
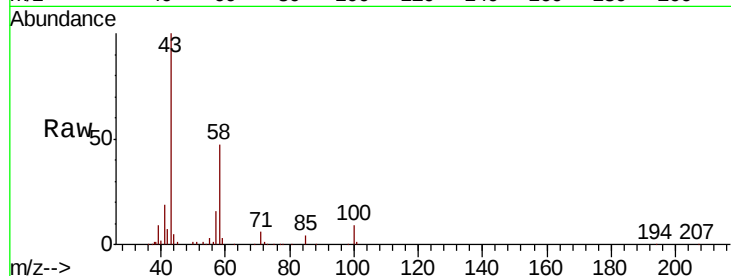
#59
2-Hexanone
Concen: 99.542 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion: 43 Resp: 94012
Ion Ratio Lower Upper
43 100
58 46.9 25.1 75.2

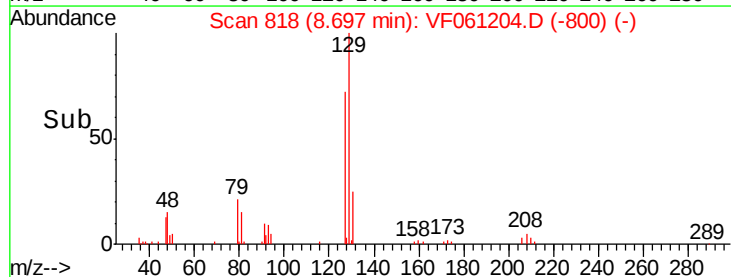
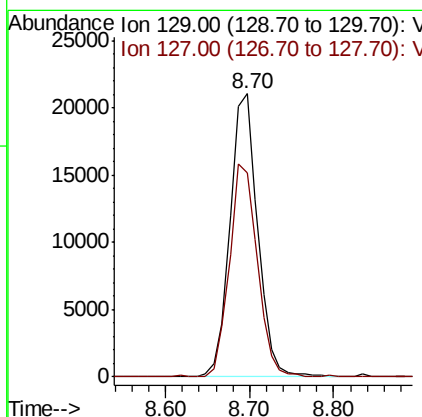
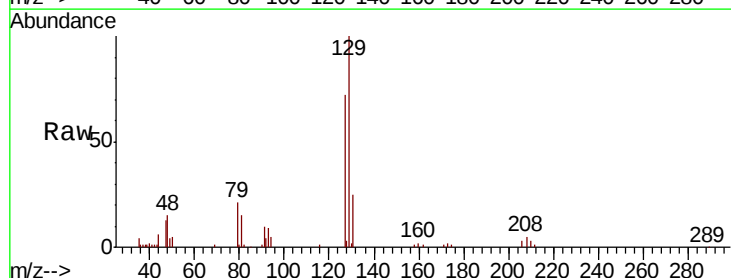
Manual Integrations
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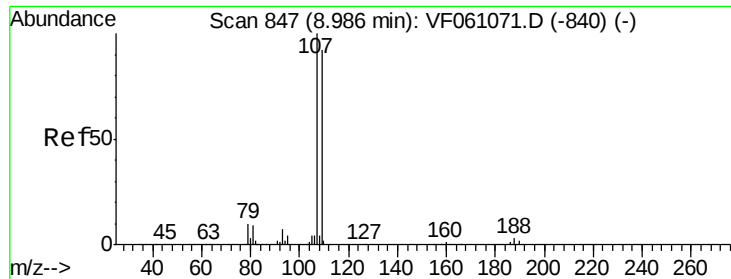
MMDadoda
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#60
Dibromochloromethane
Concen: 19.980 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion: 129 Resp: 48202
Ion Ratio Lower Upper
129 100
127 71.9 36.8 110.3





#61

1,2-Dibromoethane

Concen: 20.301 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion:107 Resp: 36490

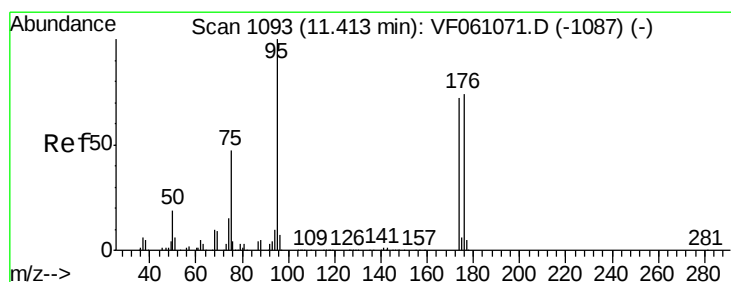
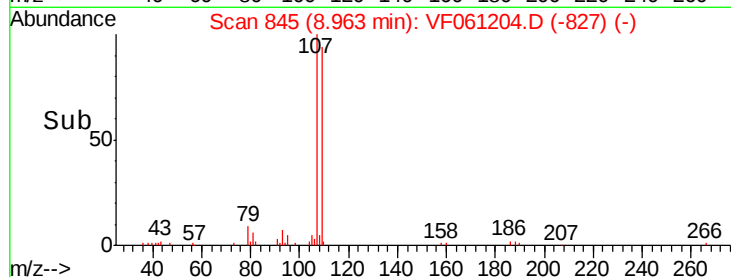
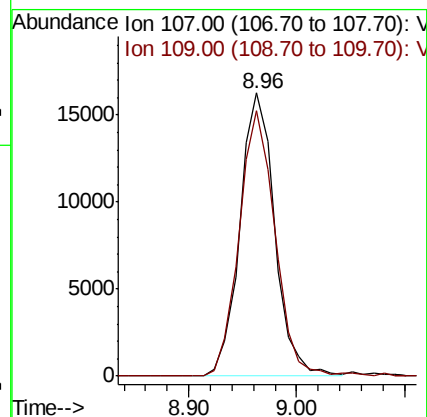
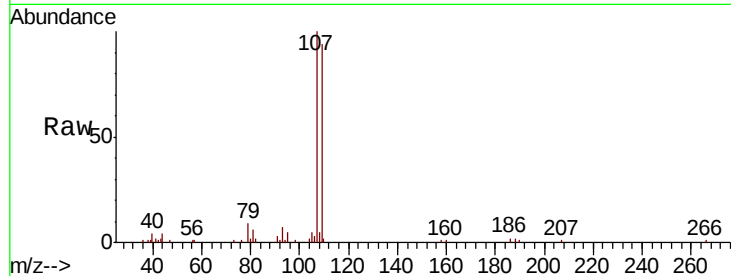
Ion Ratio Lower Upper

107 100

109 93.9 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 52.048 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

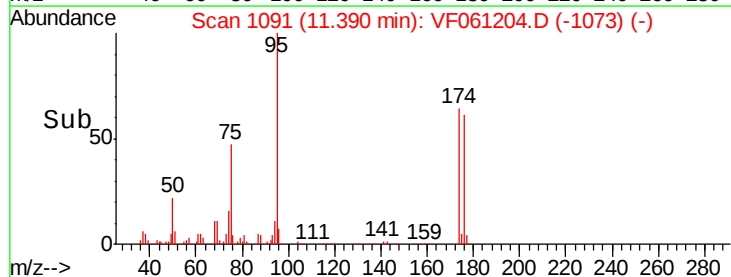
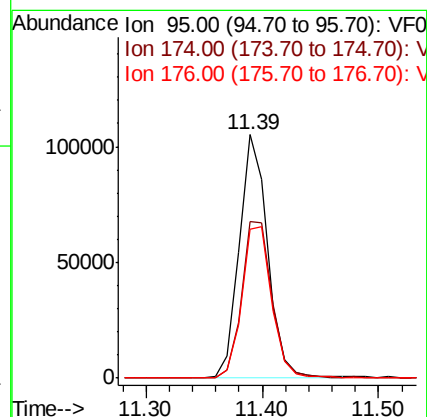
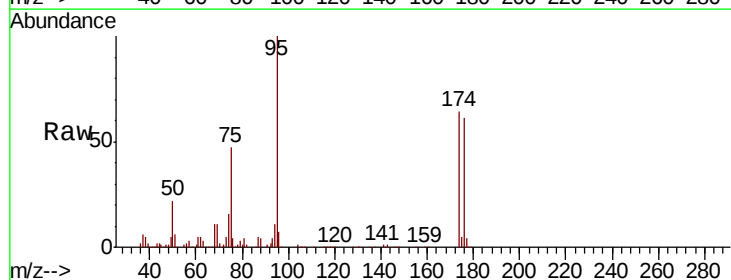
Tgt Ion: 95 Resp: 177966

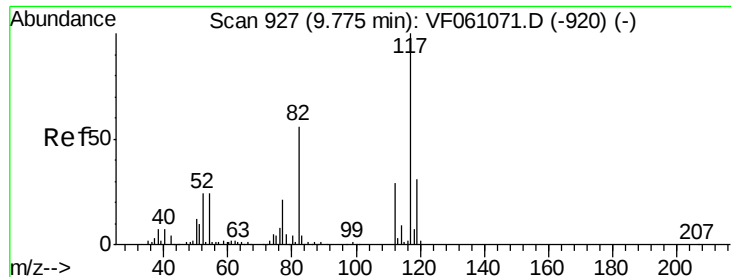
Ion Ratio Lower Upper

95 100

174 64.1 0.0 143.8

176 61.1 0.0 147.6





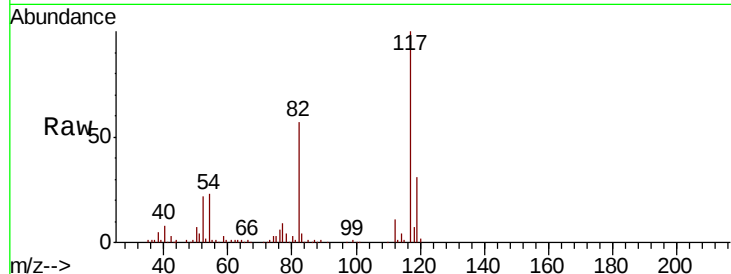
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion:	117	Resp:	305020
Ion Ratio	Lower	Upper	
117	100		
82	56.7	45.0	67.4
119	31.4	24.8	37.2

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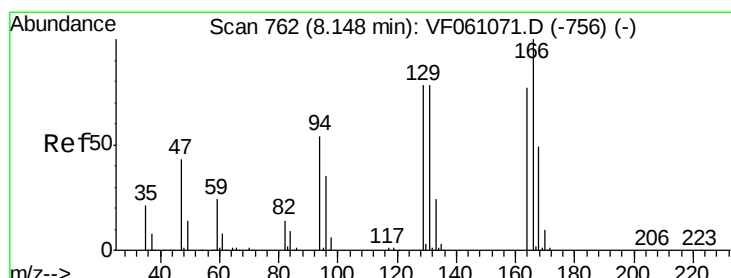
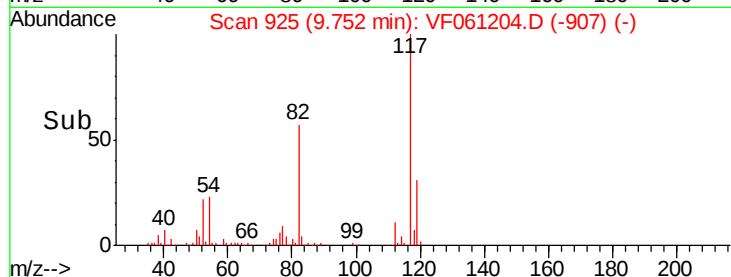
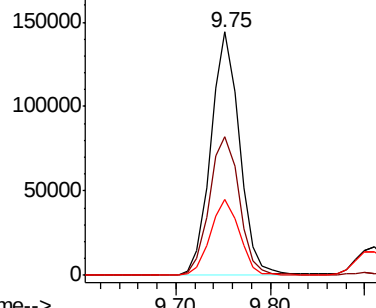


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 19.131 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion:	164	Resp:	44888
Ion Ratio	Lower	Upper	
164	100		
166	125.0	104.0	156.0
129	99.8	81.1	121.7
131	99.0	81.2	121.8

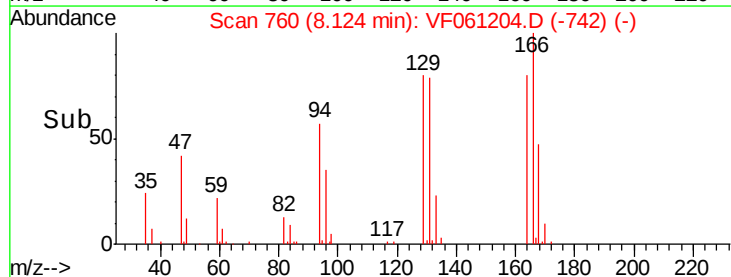
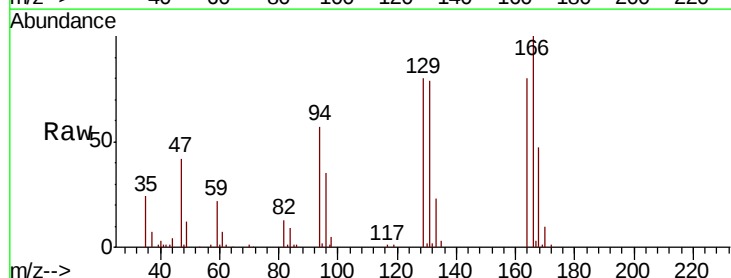
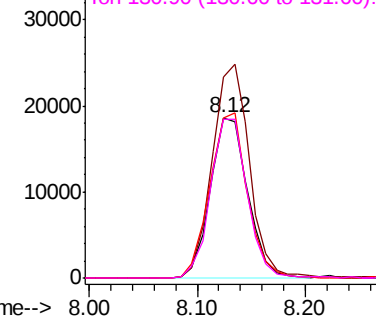
Abundance

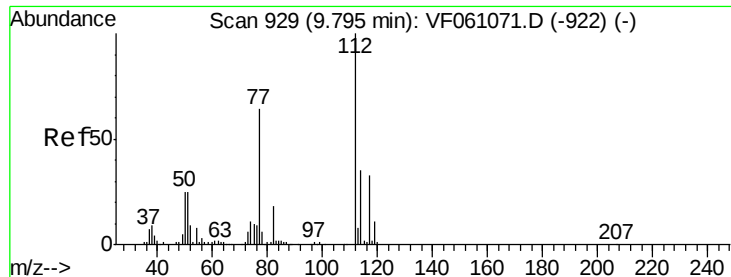
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





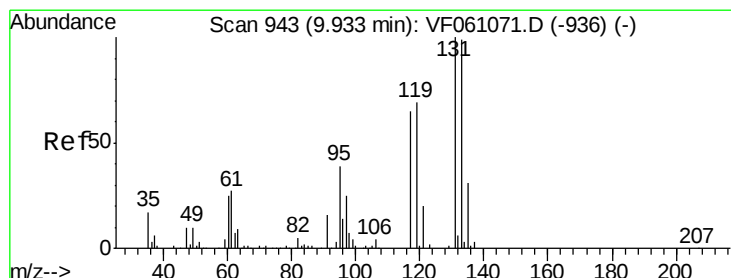
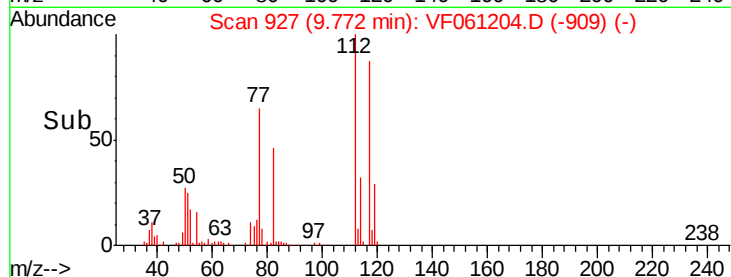
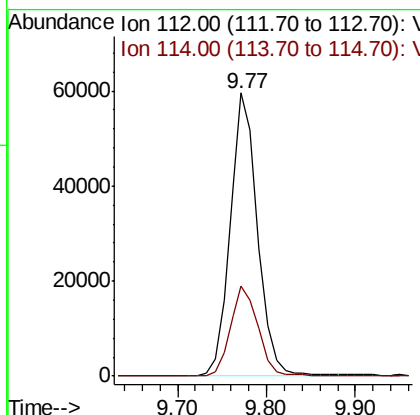
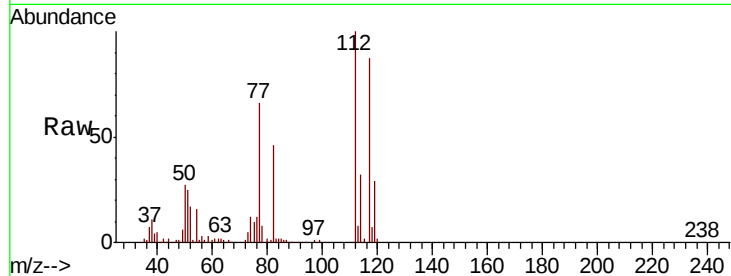
#65
Chlorobenzene
Concen: 20.281 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion:112 Resp: 127798
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.6

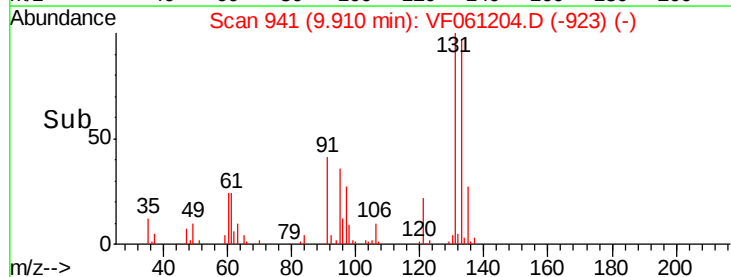
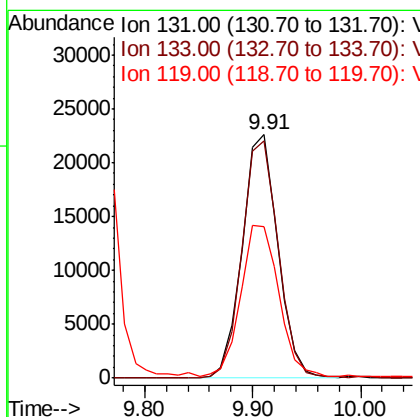
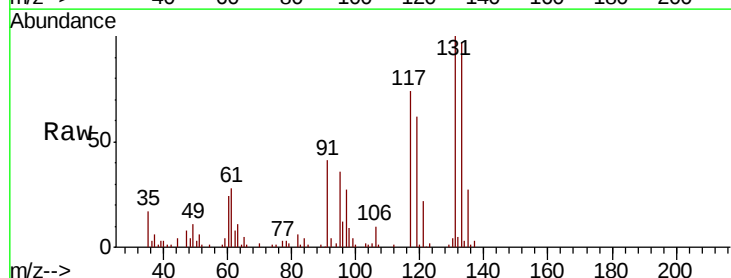
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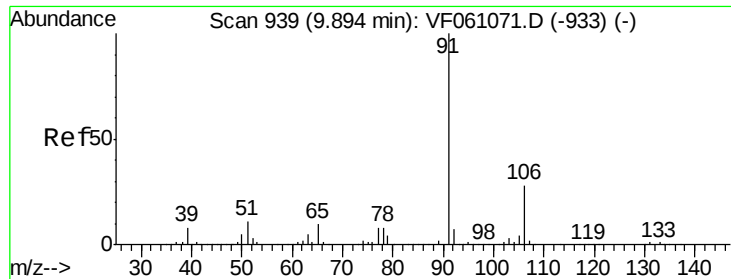
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.202 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion:131 Resp: 52022
Ion Ratio Lower Upper
131 100
133 97.5 49.5 148.7
119 62.4 34.5 103.5





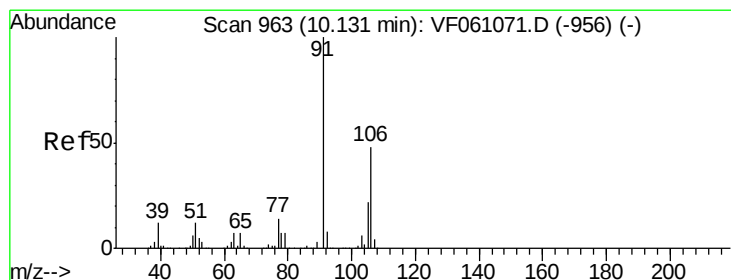
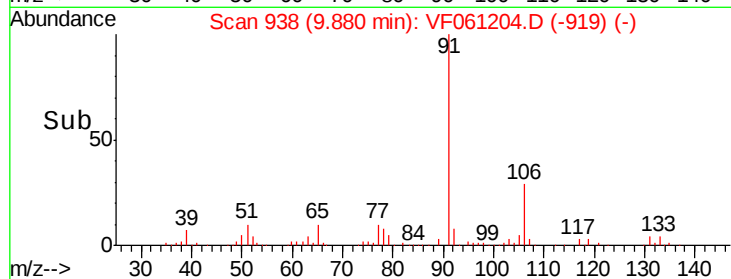
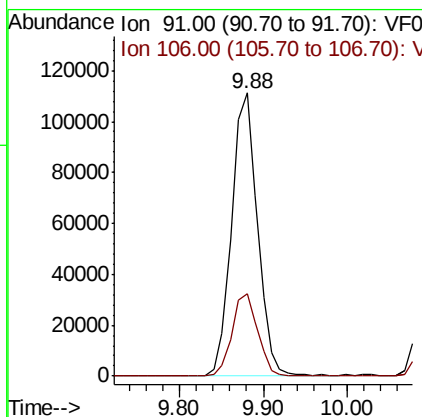
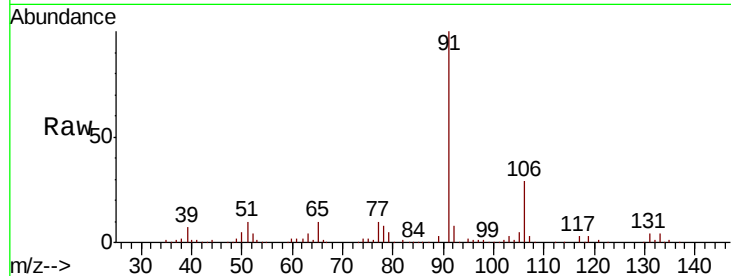
#67
Ethyl Benzene
Concen: 20.821 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion: 91 Resp: 239016
Ion Ratio Lower Upper
91 100
106 29.0 22.5 33.7

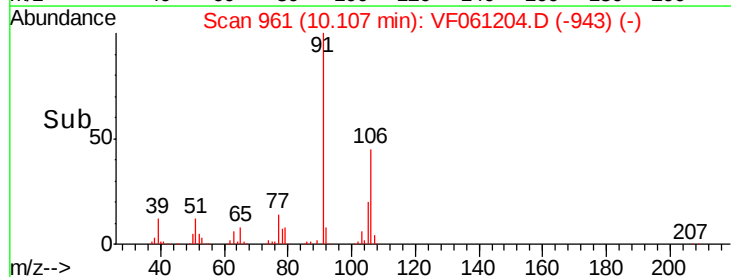
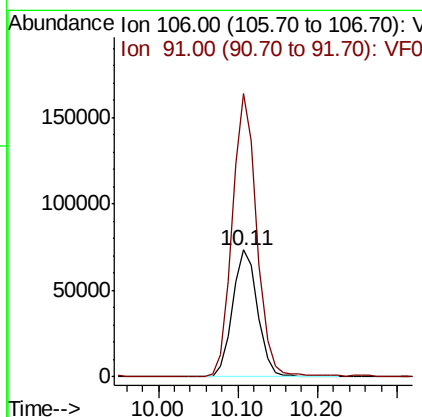
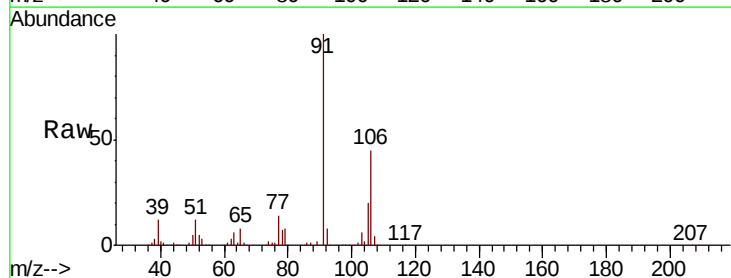
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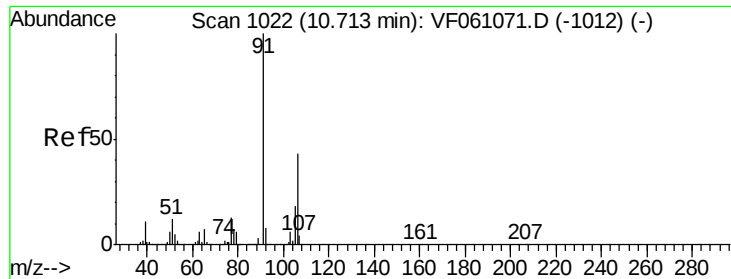
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#68
m/p-Xylenes
Concen: 40.139 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion: 106 Resp: 162163
Ion Ratio Lower Upper
106 100
91 223.1 168.2 252.2





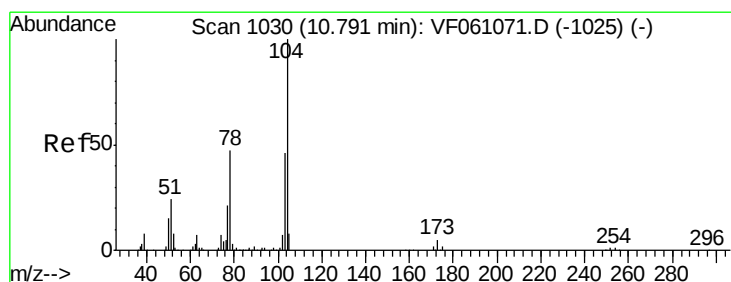
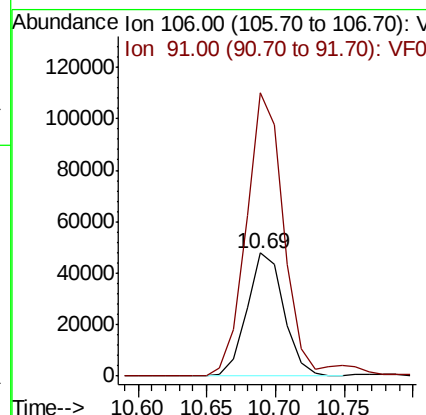
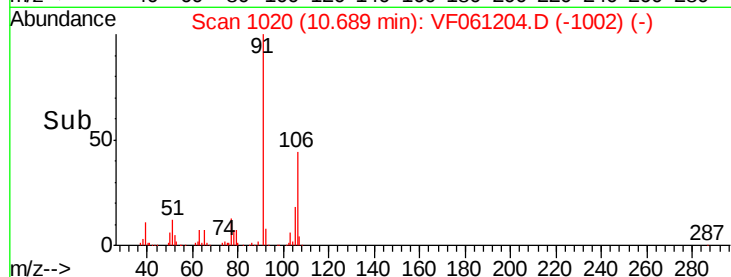
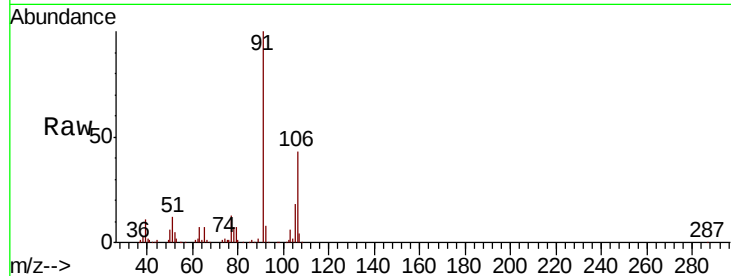
#69
o-Xylene
Concen: 20.098 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion:106 Resp: 90050
Ion Ratio Lower Upper
106 100
91 230.2 115.9 347.7

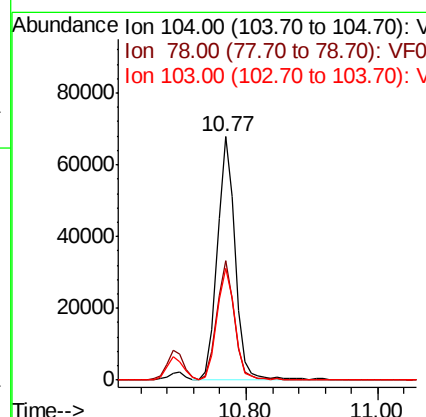
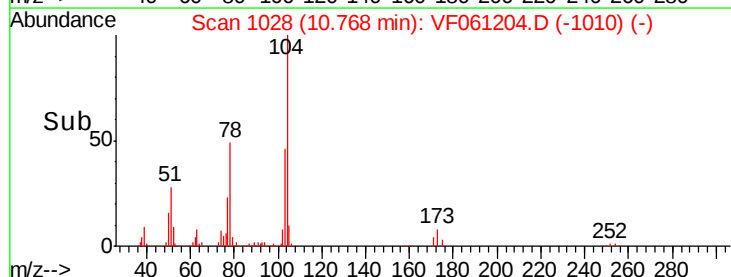
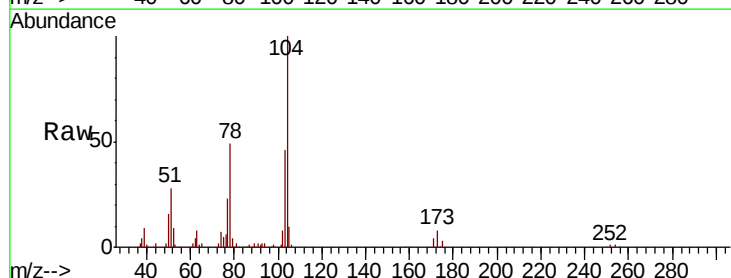
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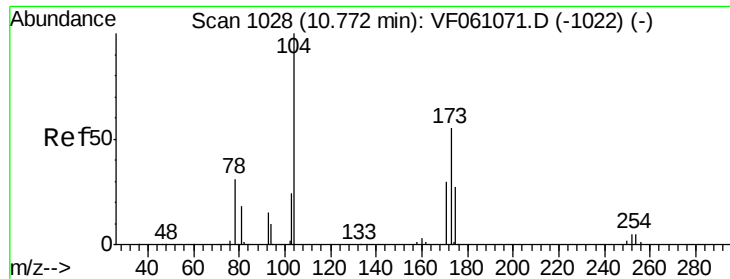
MMDadoda
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#70
Styrene
Concen: 19.961 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion:104 Resp: 125003
Ion Ratio Lower Upper
104 100
78 49.3 38.4 57.6
103 45.7 37.0 55.6





#71

Bromoform

Concen: 18.955 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion:173 Resp: 22582

Ion Ratio Lower Upper

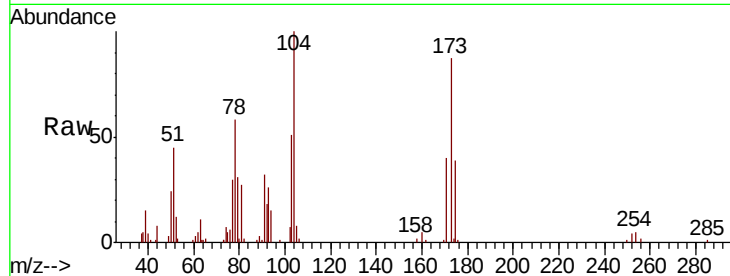
173 100

175 45.8 24.8 74.4

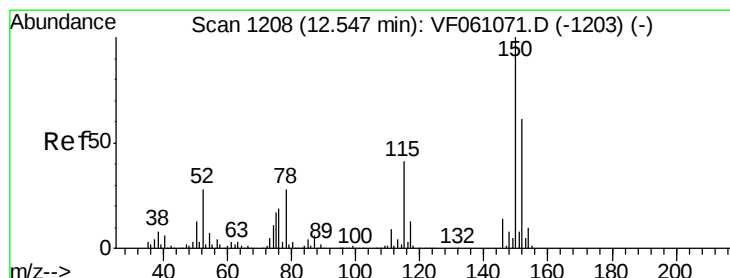
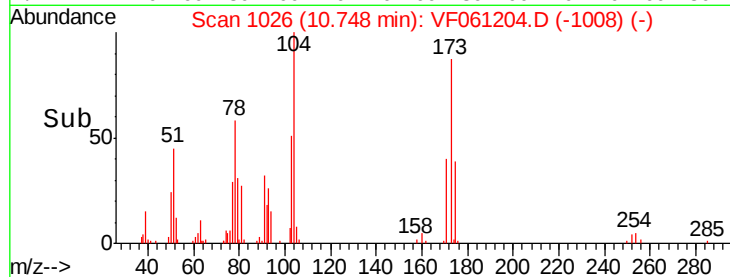
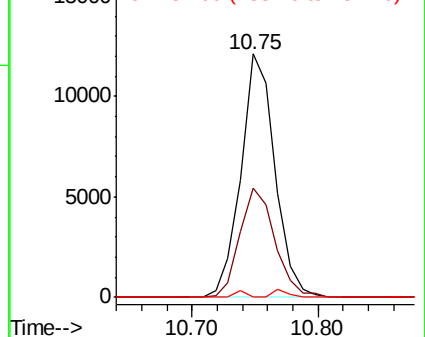
254 0.0 0.0 0.0

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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: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

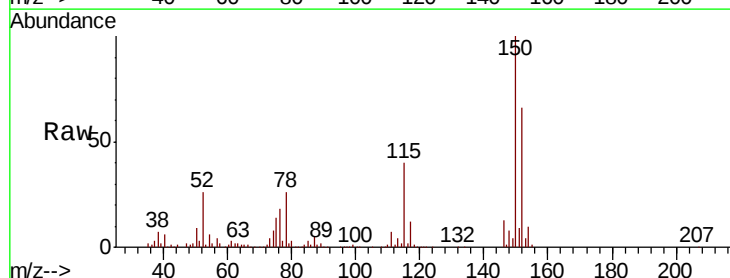
Tgt Ion:152 Resp: 146052

Ion Ratio Lower Upper

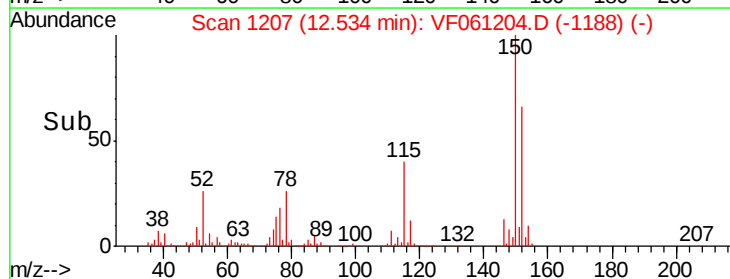
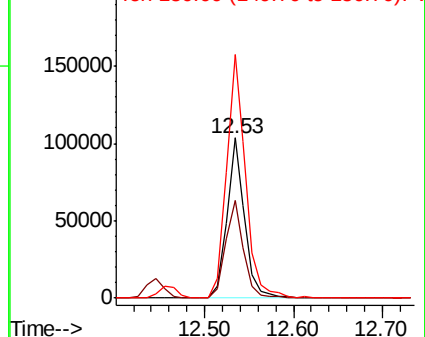
152 100

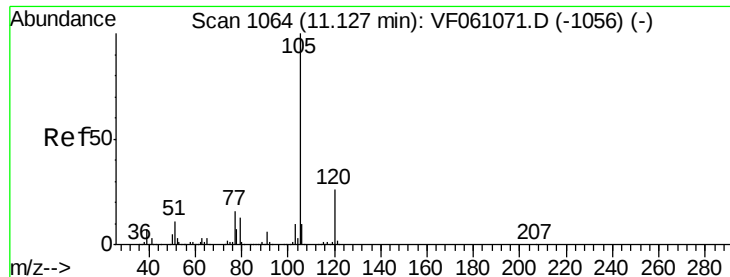
115 61.0 33.3 99.9

150 151.9 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: 22.207 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 105 Resp: 279493

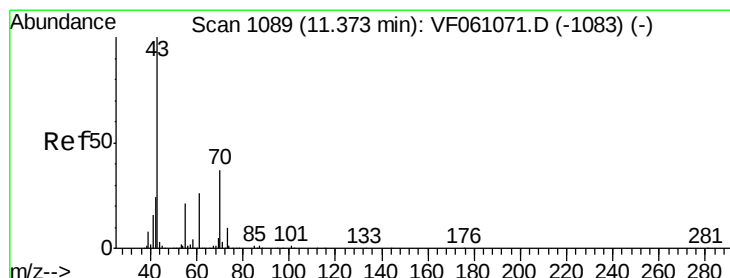
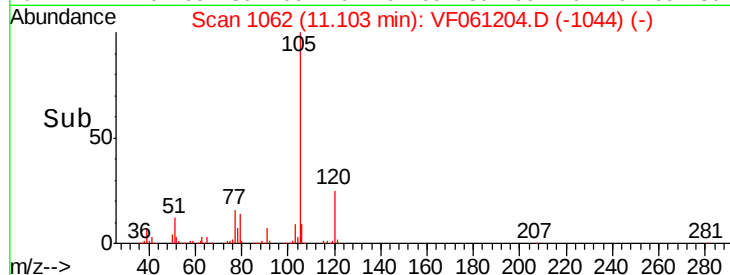
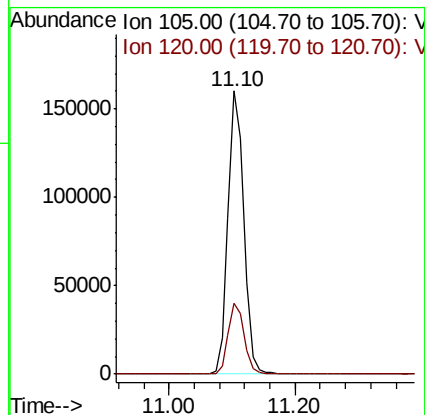
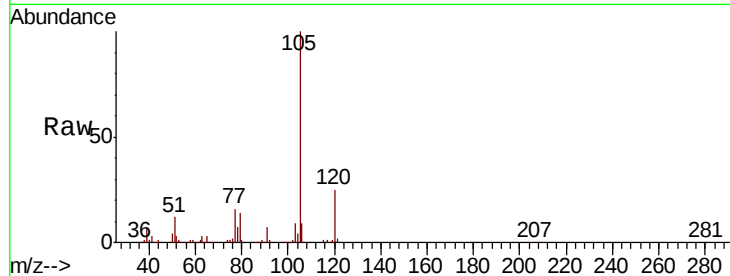
Ion Ratio Lower Upper

105 100

120 25.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 20.897 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion: 43 Resp: 58393

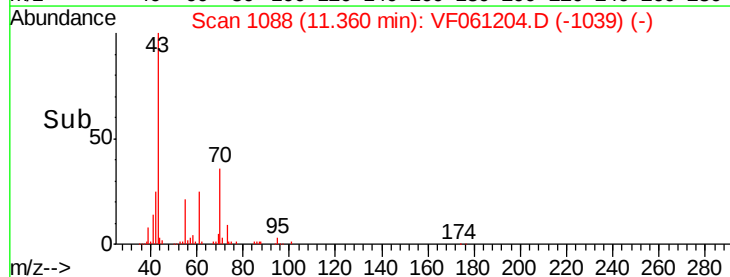
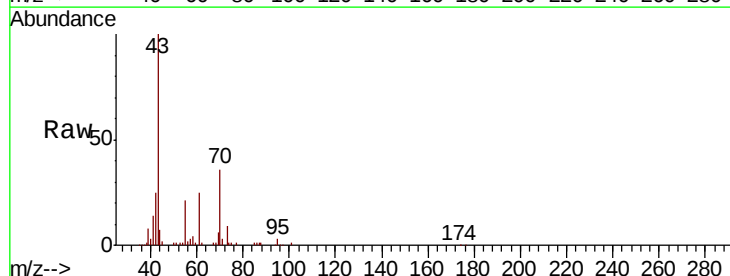
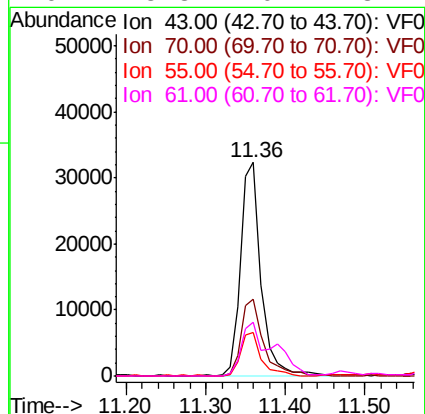
Ion Ratio Lower Upper

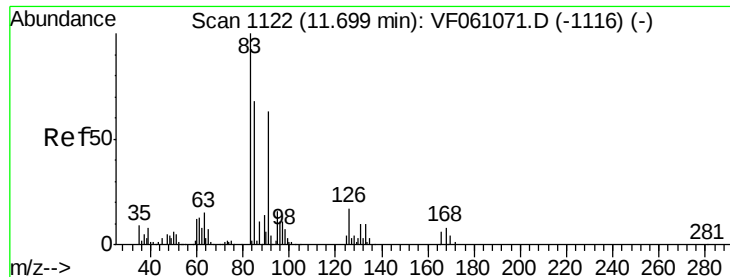
43 100

70 35.9 29.2 43.8

55 20.5 16.5 24.7

61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.802 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

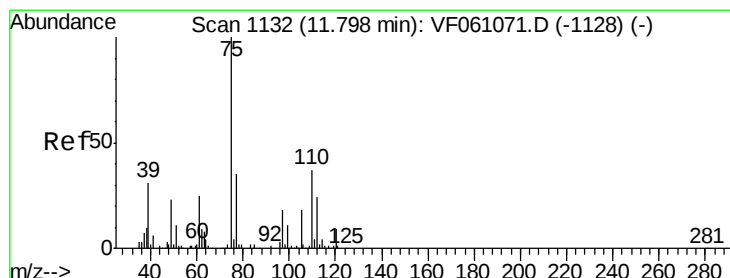
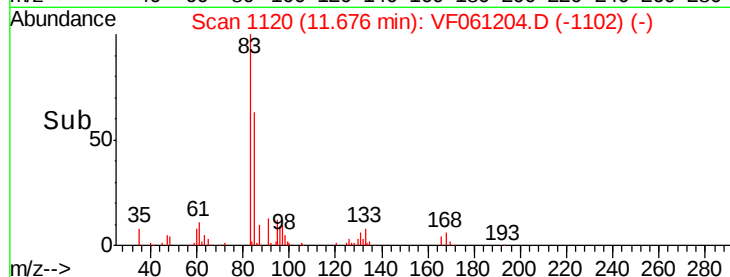
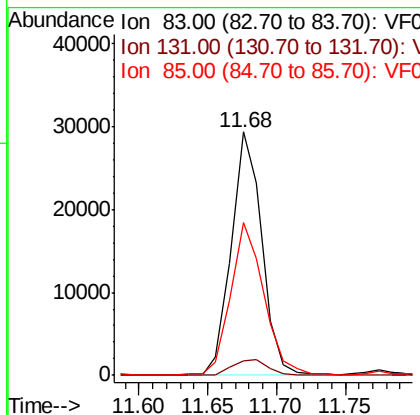
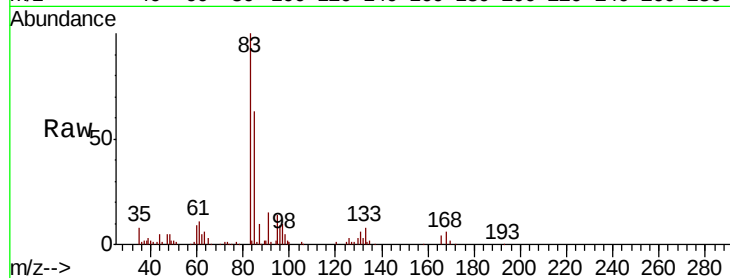
ClientSampleId :

VF1227SBS01

Tot Ion:	83	Resp:	45542
Ion Ratio	Lower	Upper	
83	100		
131	6.1	4.8	14.3
85	62.9	33.9	101.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.445 ug/l

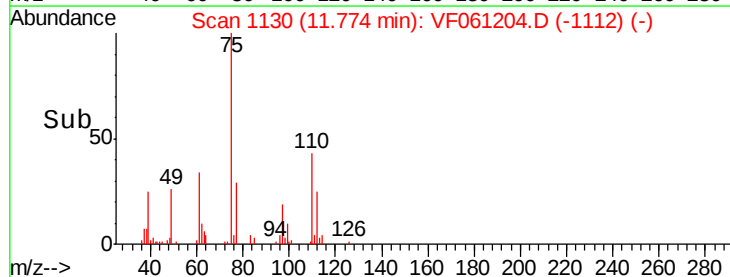
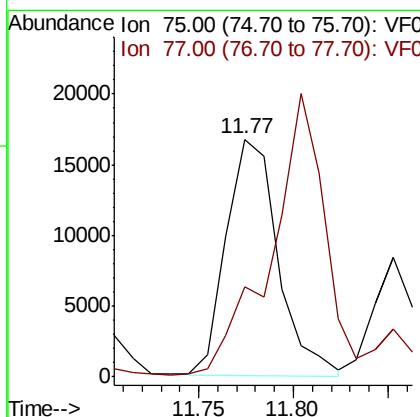
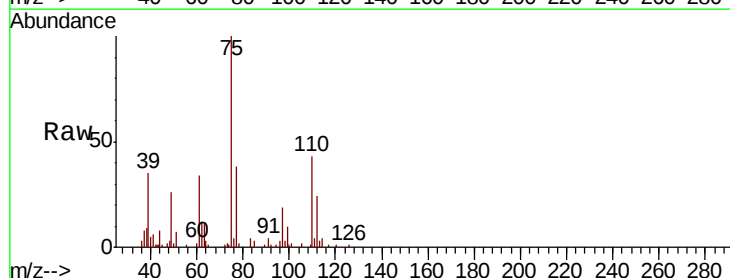
RT: 11.77 min Scan# 1130

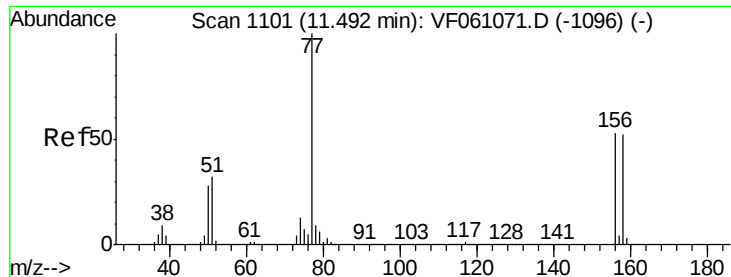
Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion:	75	Resp:	31783
Ion Ratio	Lower	Upper	
75	100		
77	37.9	17.6	52.9





#77

Bromobenzene

Concen: 20.390 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

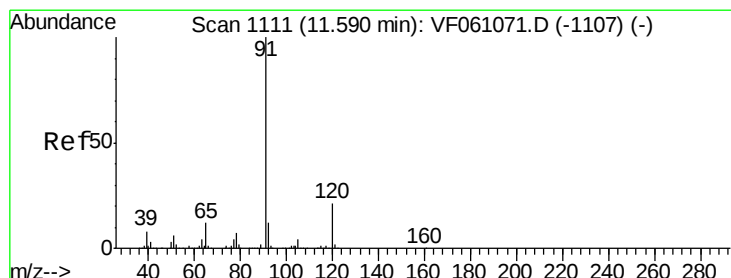
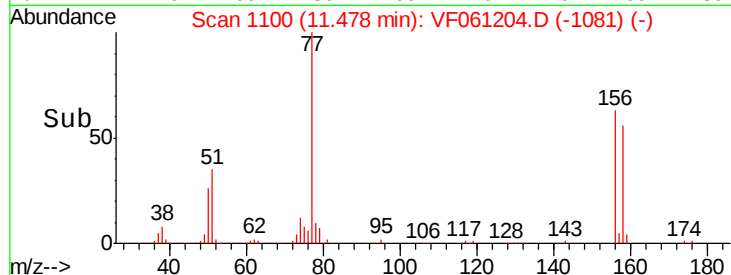
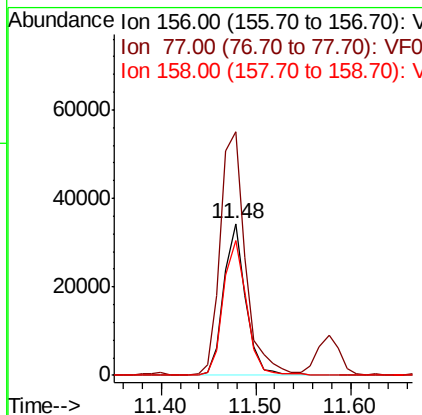
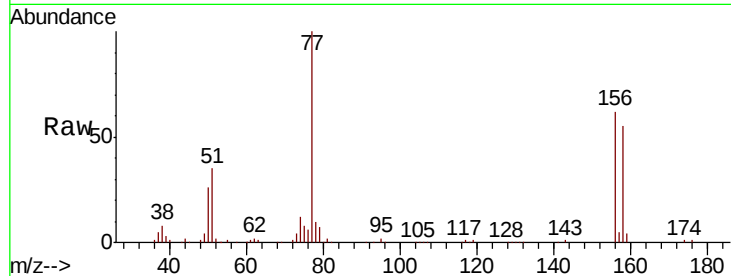
ClientSampleId :

VF1227SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		55245		
77	160.2	93.8	281.4		
158	88.9	48.9	146.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 20.461 ug/l

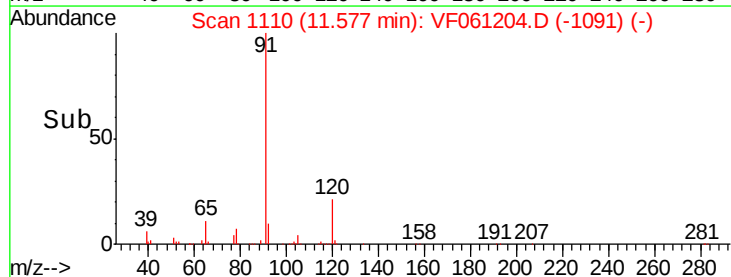
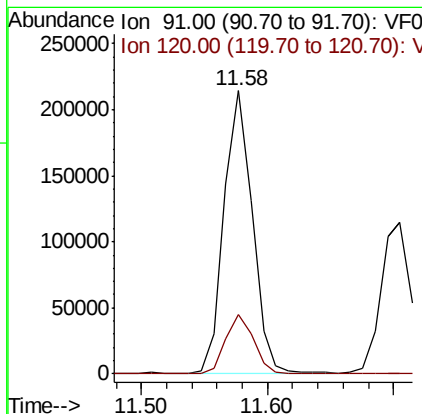
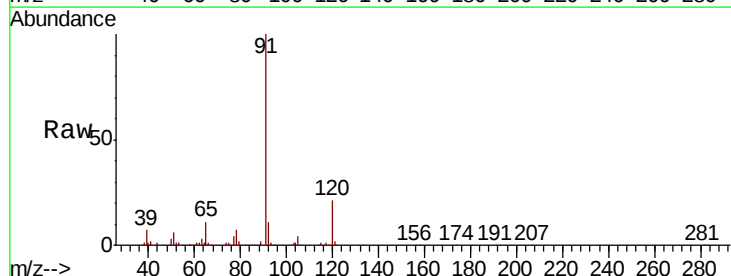
RT: 11.58 min Scan# 1110

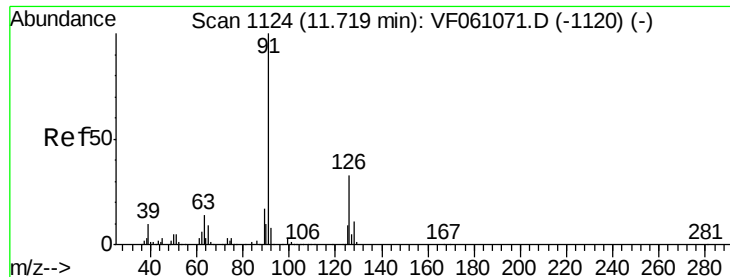
Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		333804		
120	21.0	10.4	31.2		





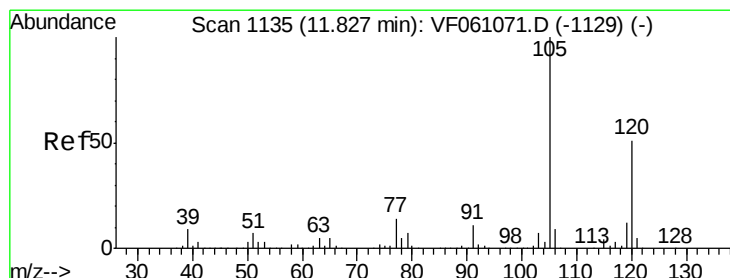
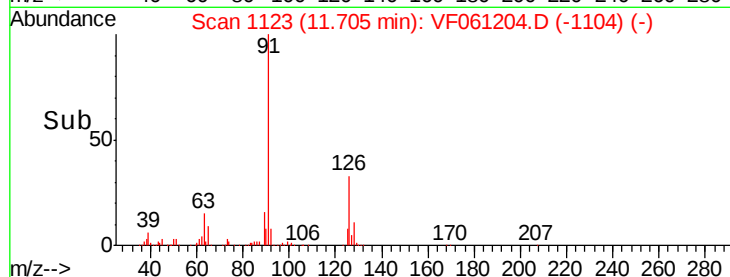
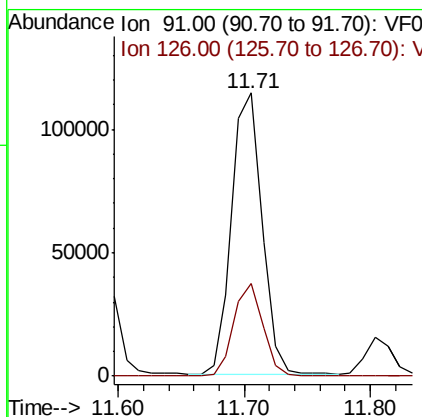
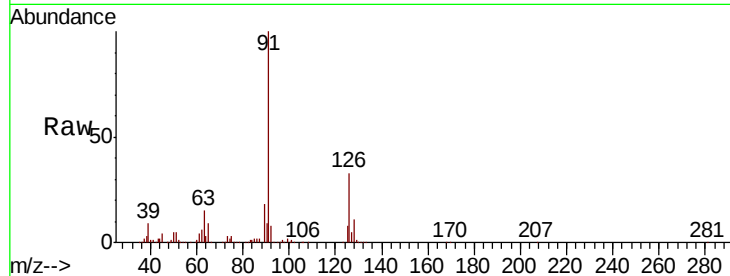
#79
2-Chlorotoluene
Concen: 22.079 ug/l
RT: 11.71 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion: 91 Resp: 190635
Ion Ratio Lower Upper
91 100
126 32.9 16.4 49.1

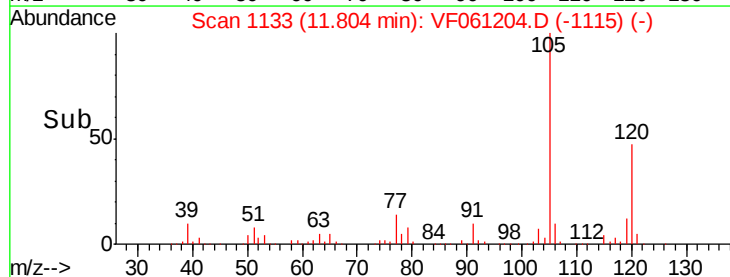
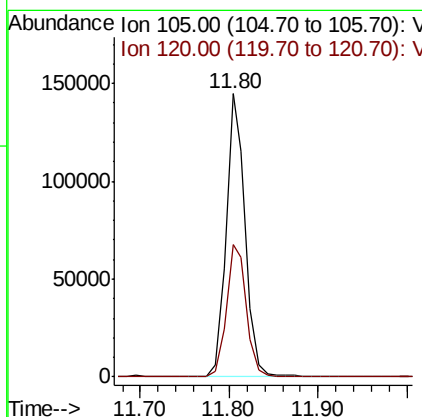
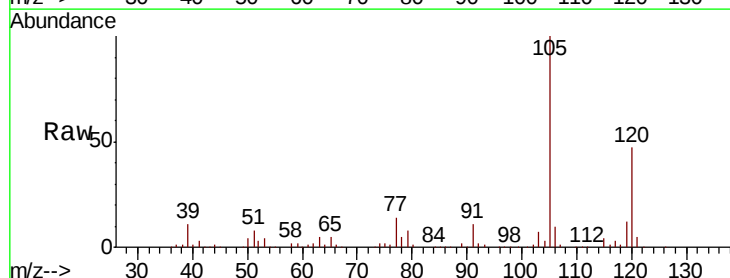
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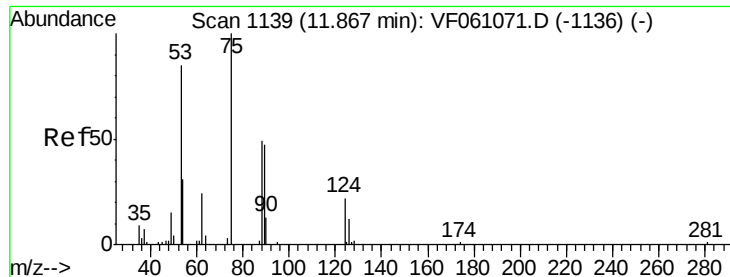
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.068 ug/l
RT: 11.80 min Scan# 1133
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion: 105 Resp: 218347
Ion Ratio Lower Upper
105 100
120 46.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.585 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF1227SBS01

Tot Ion: 75 Resp: 14419

Ion Ratio Lower Upper

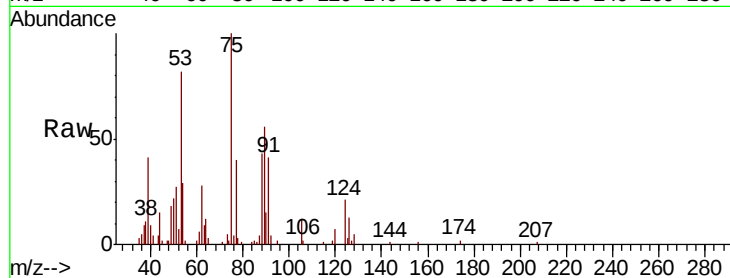
75 100

53 82.0 74.1 111.1

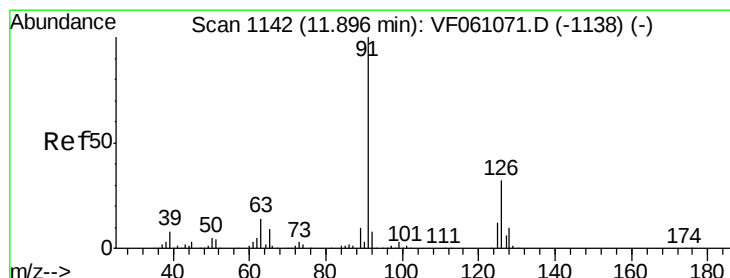
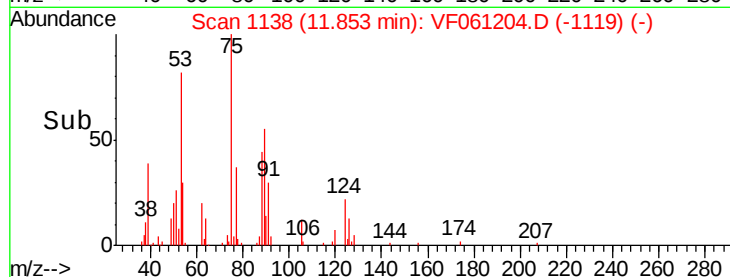
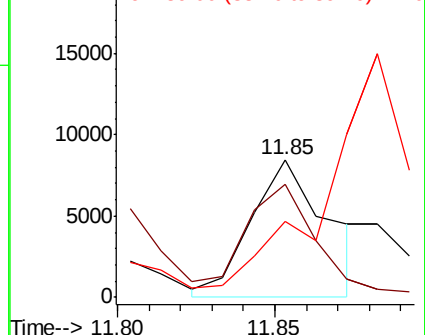
89 55.6 42.6 64.0

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Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.582 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061204.D

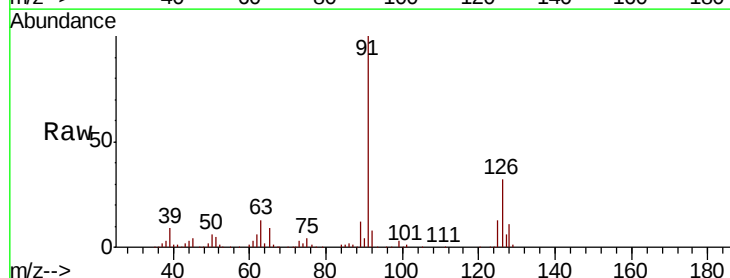
Acq: 27 Dec 2018 13:18

Tgt Ion: 91 Resp: 192760

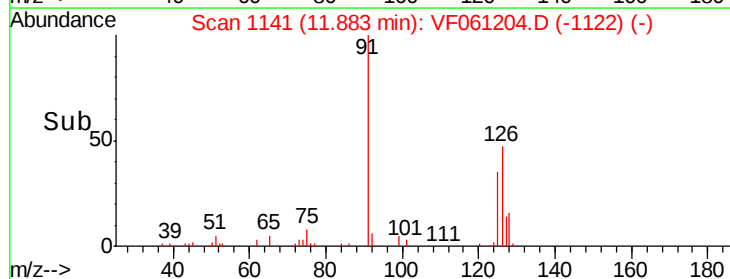
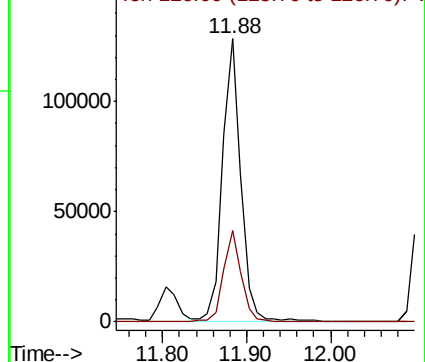
Ion Ratio Lower Upper

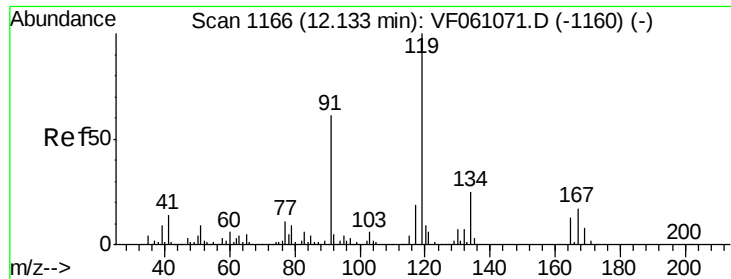
91 100

126 32.4 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V





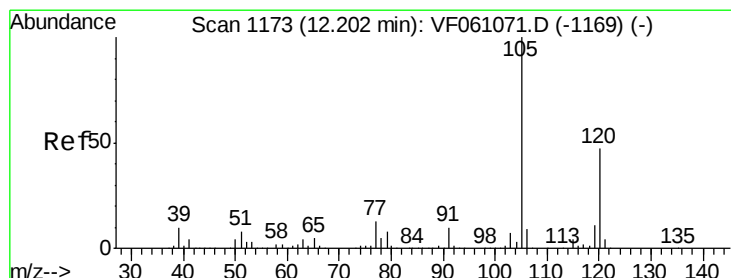
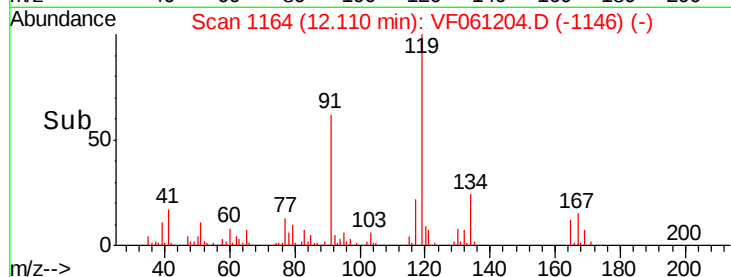
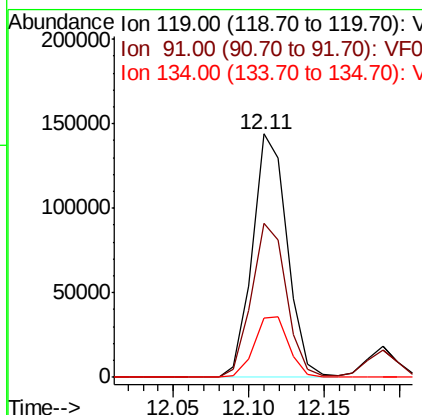
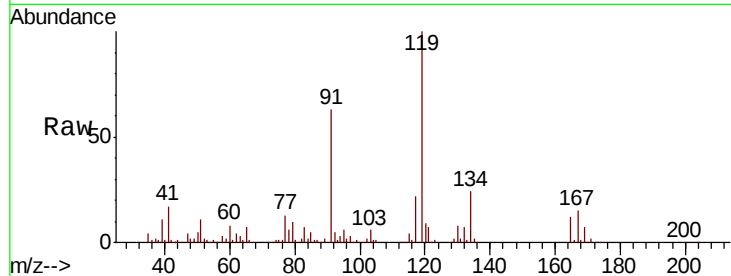
#83
tert-Butylbenzene
Concen: 21.707 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.02 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	231490		
91	63.3	30.5	91.5	
134	24.4	12.4	37.4	

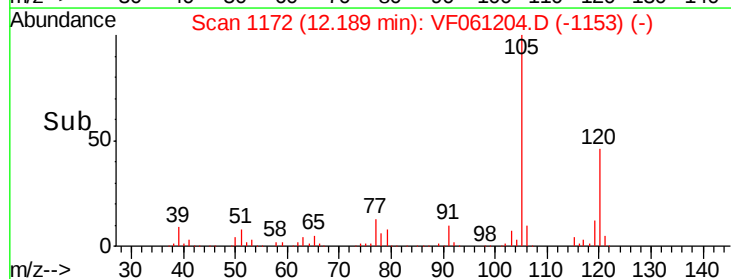
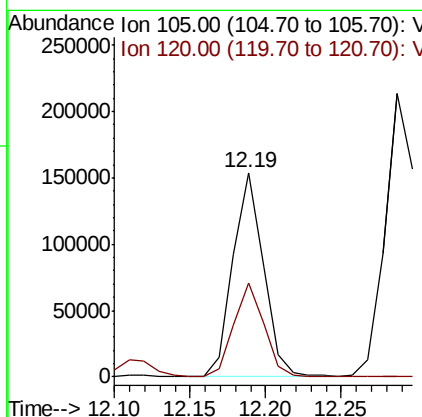
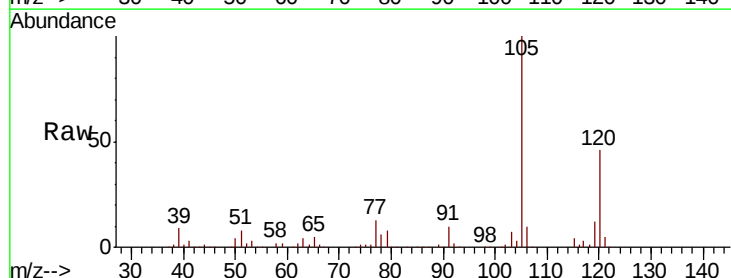
Manual Integrations
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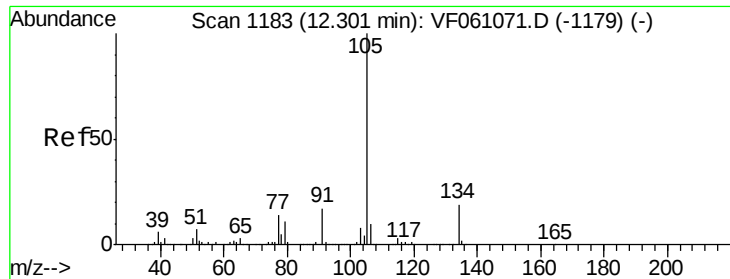
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#84
1,2,4-Trimethylbenzene
Concen: 21.078 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217841		
120	46.3	23.6	71.0	





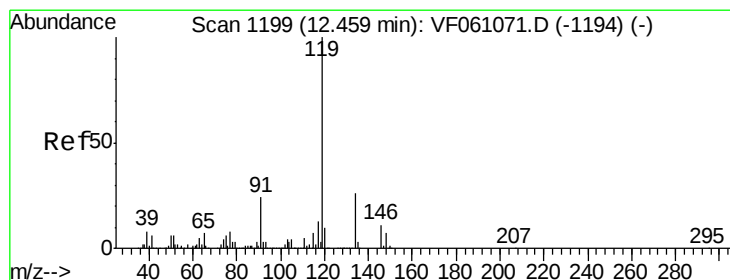
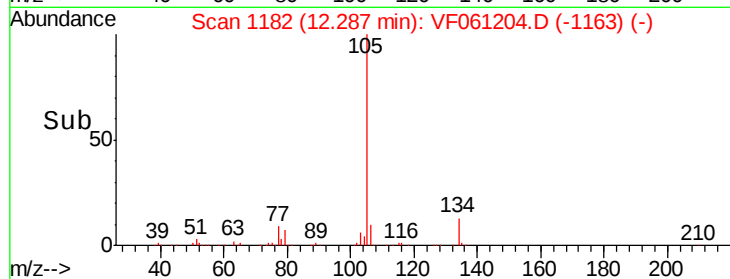
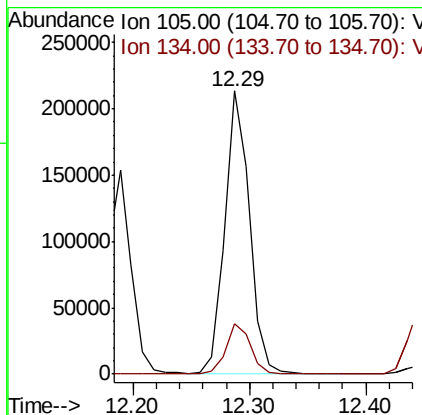
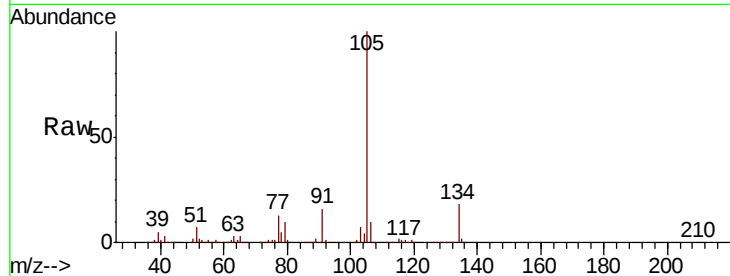
#85
 sec-Butylbenzene
 Concen: 22.437 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	312267		
134	17.6	9.4	28.2	

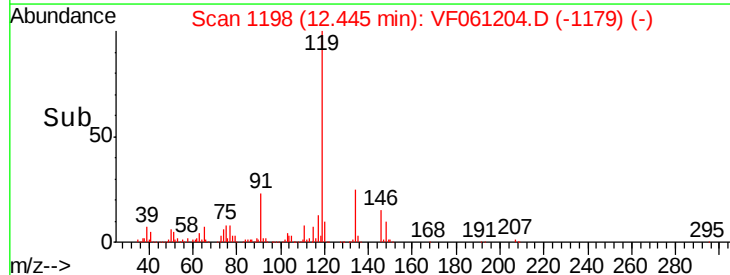
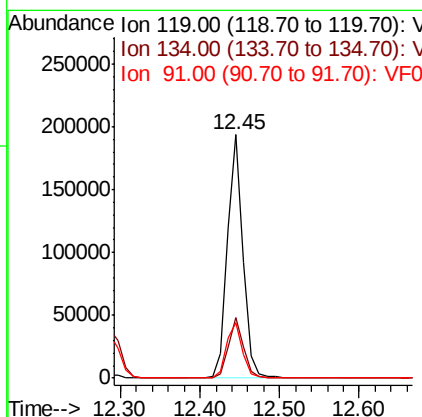
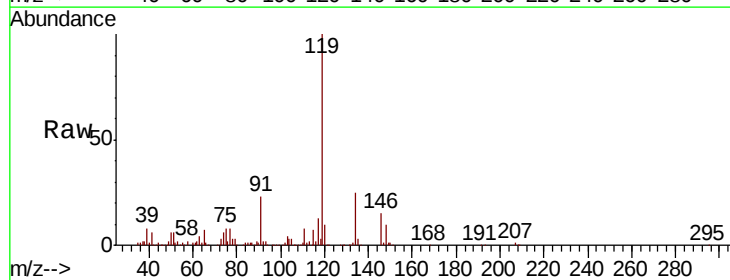
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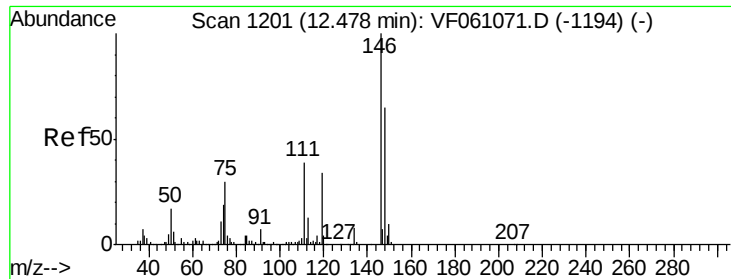
MMDadoda
 12/28/2018 9:38:18 AM



#86
 p-Isopropyltoluene
 Concen: 23.182 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	267798		
134	24.8	12.8	38.4	
91	22.9	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 22.261 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Instrument :

MSVOA_F

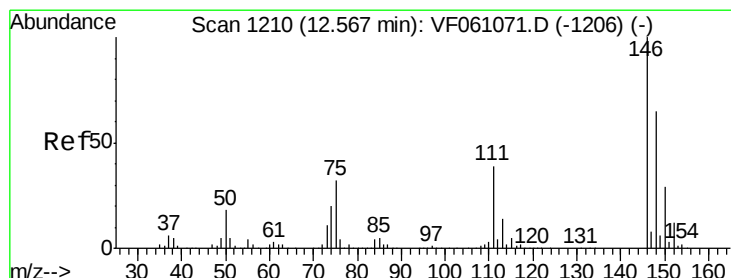
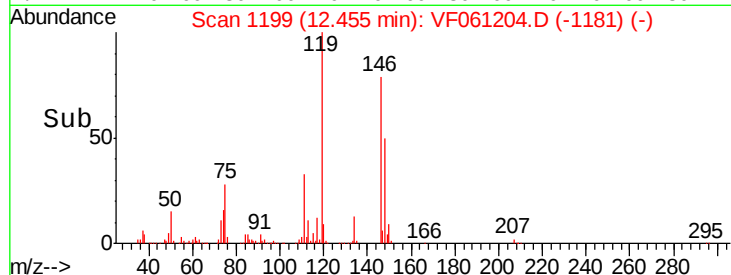
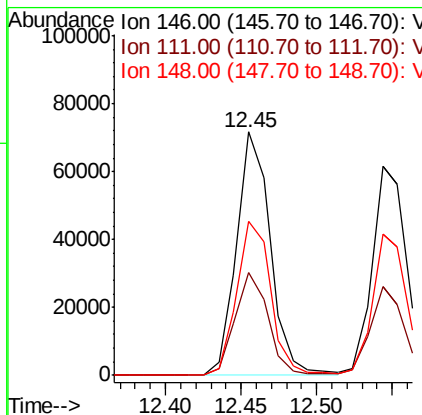
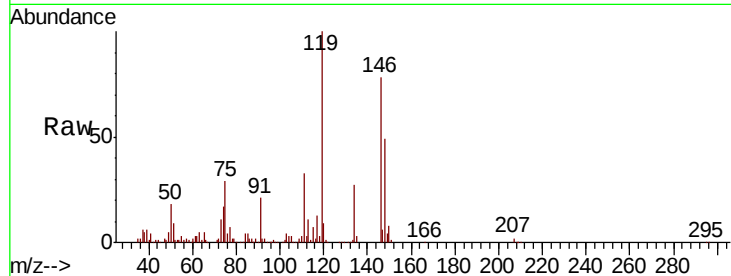
ClientSampleId :

VF1227SBS01

Tot Ion:	146	Resp:	111625
Ion Ratio	Lower	Upper	
146	100		
111	42.2	19.3	57.9
148	63.3	32.4	97.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.280 ug/l

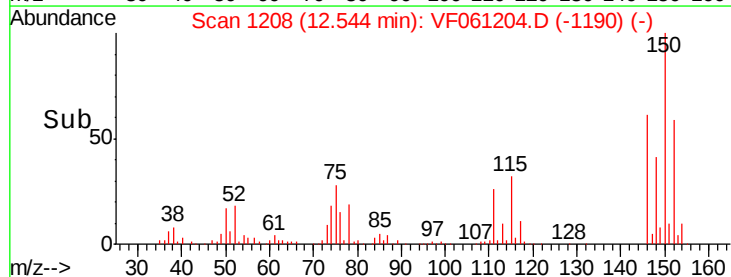
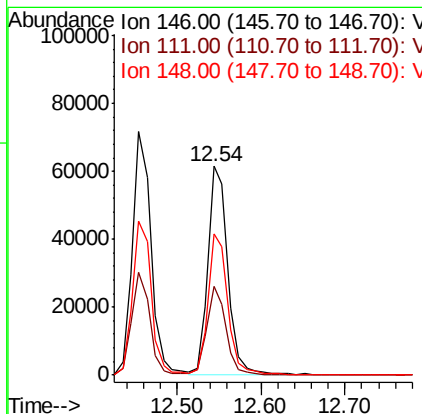
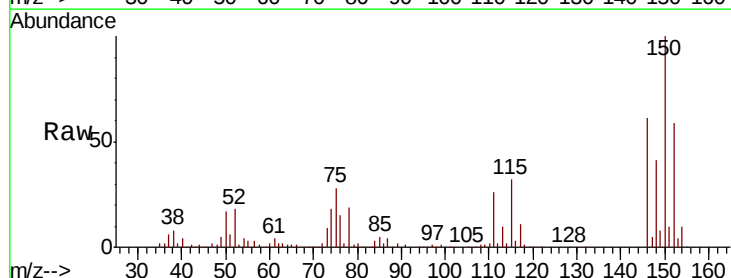
RT: 12.54 min Scan# 1208

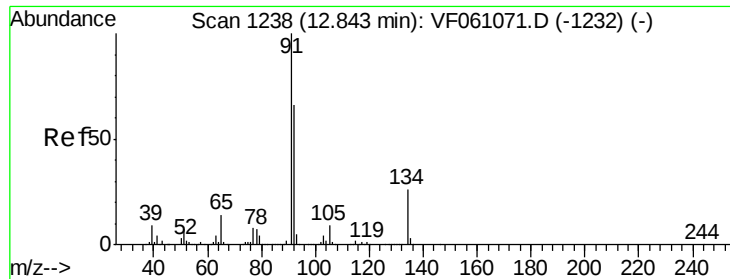
Delta R.T. -0.02 min

Lab File: VF061204.D

Acq: 27 Dec 2018 13:18

Tgt Ion:	146	Resp:	100892
Ion Ratio	Lower	Upper	
146	100		
111	42.7	19.4	58.4
148	67.9	32.4	97.0





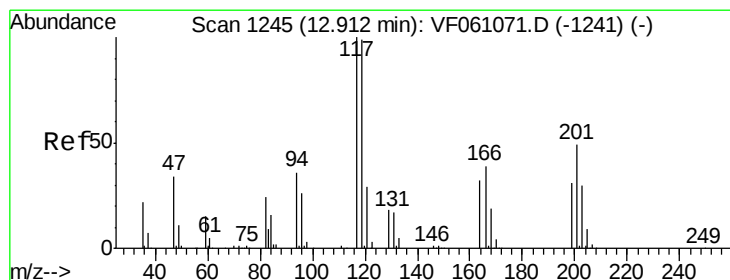
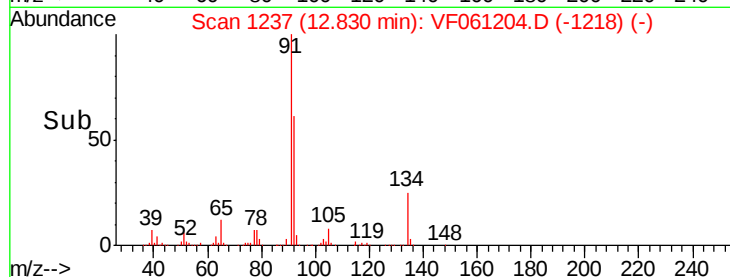
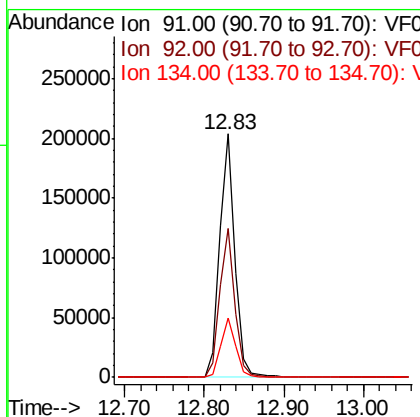
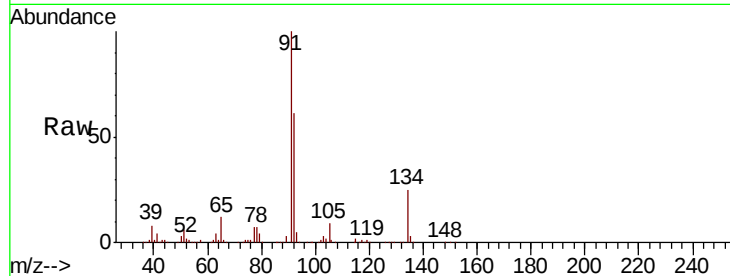
#89
n-Butylbenzene
Concen: 20.873 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.0	32.8	98.4
134	24.5	13.2	39.5

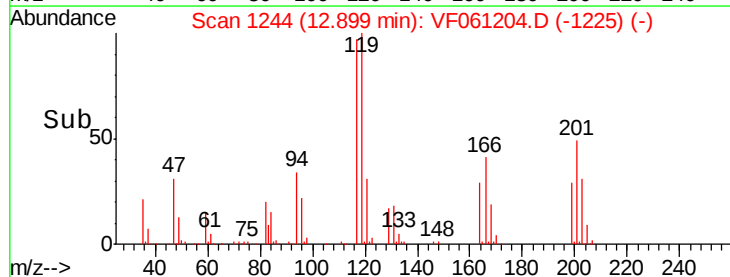
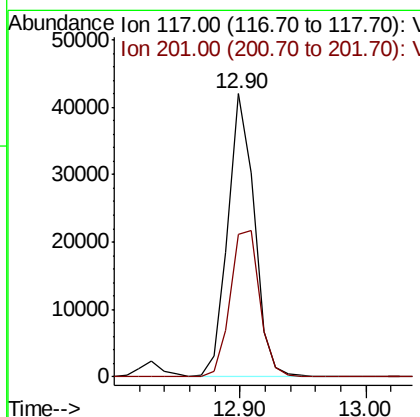
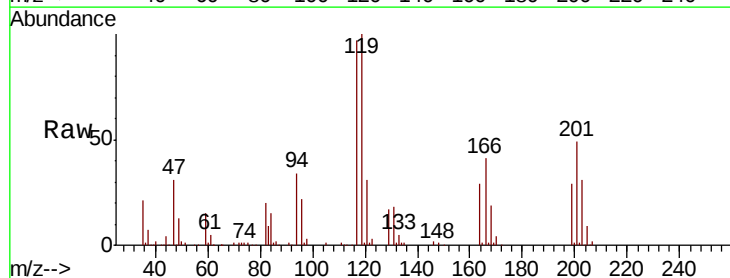
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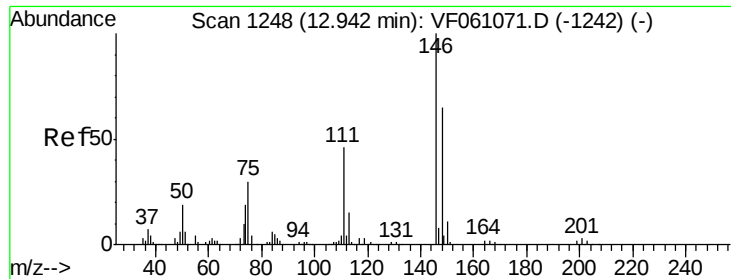
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#90
Hexachloroethane
Concen: 21.333 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	50.2	24.9	74.8





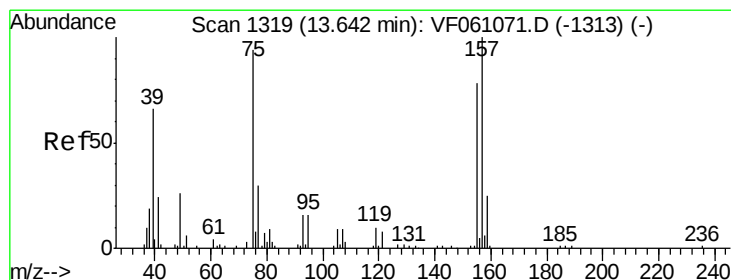
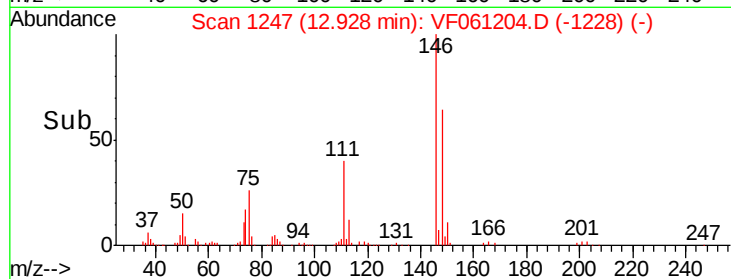
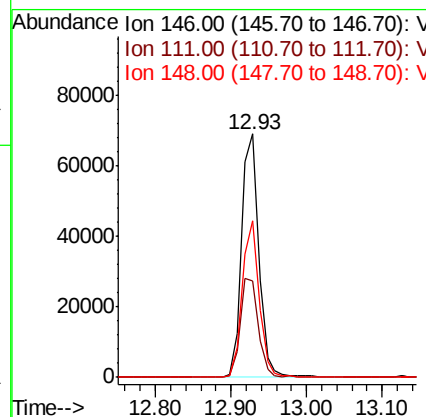
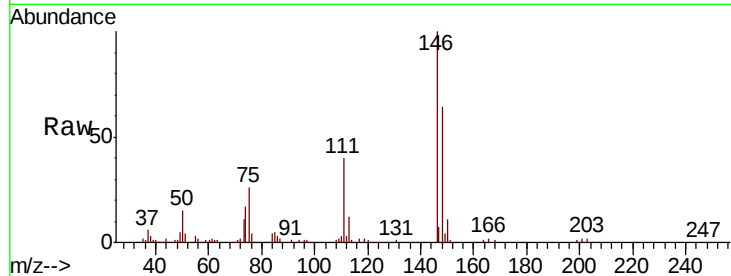
#91
 1,2-Dichlorobenzene
 Concen: 22.181 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1227SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	23.2	69.5
148	64.5	32.4	97.0

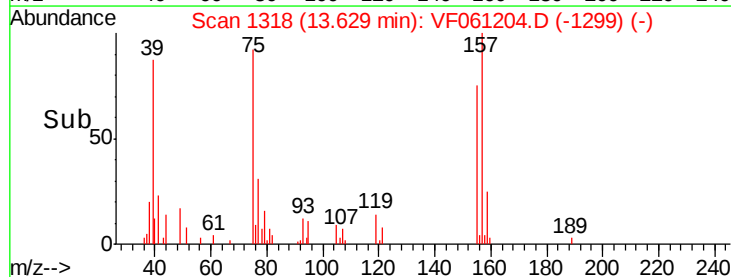
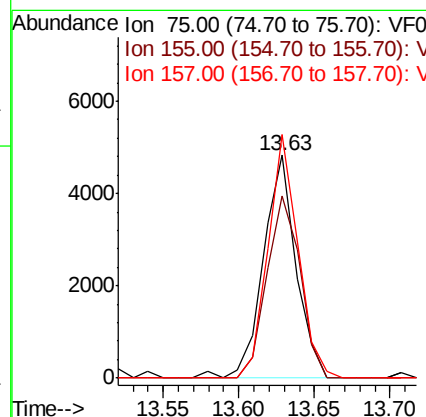
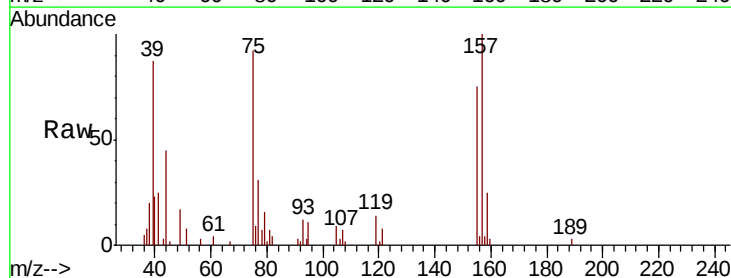
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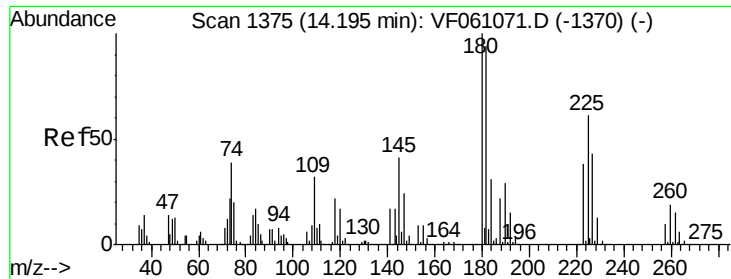
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.083 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	41.5	124.5
157	109.2	53.2	159.6





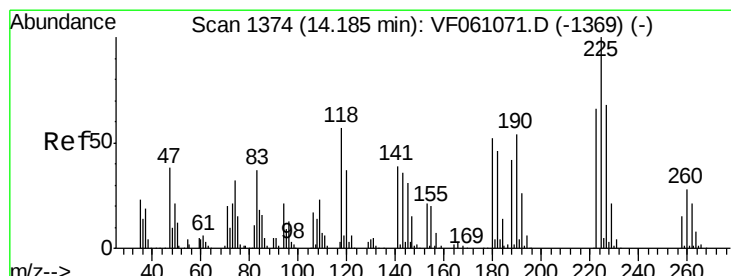
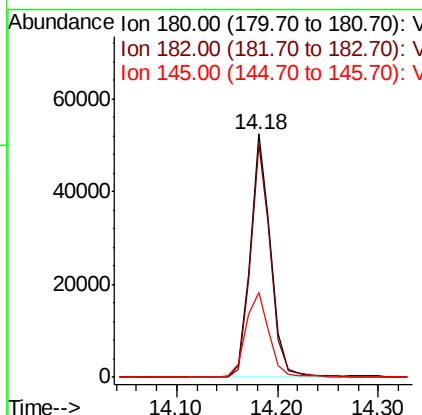
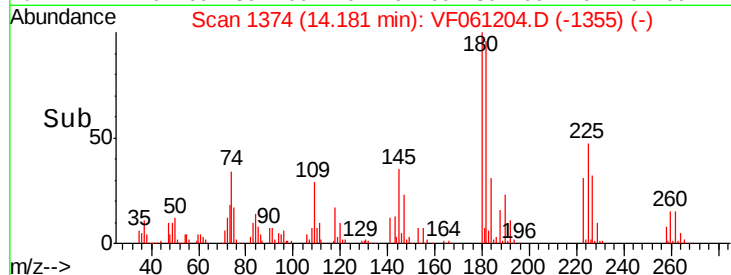
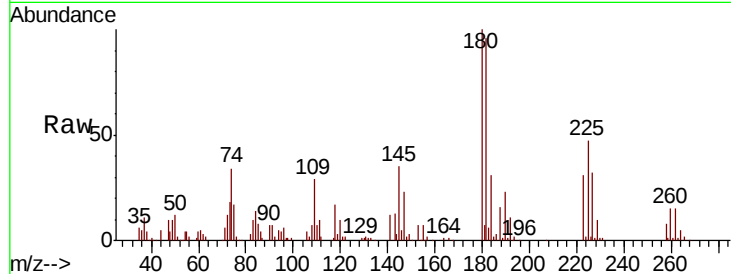
#93
 1,2,4-Trichlorobenzene
 Concen: 21.652 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	74376		
182	96.0	46.9	140.6	
145	34.7	20.5	61.6	

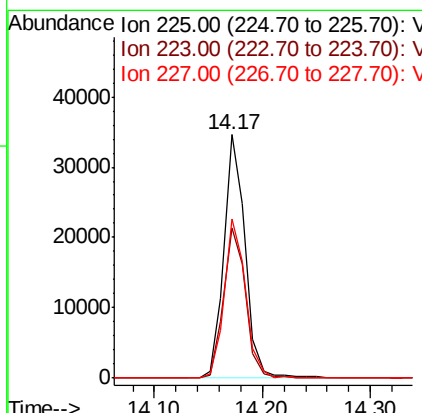
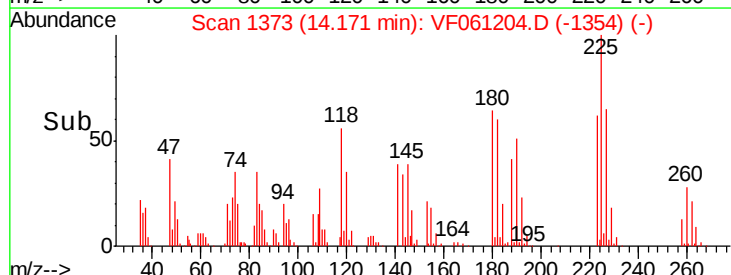
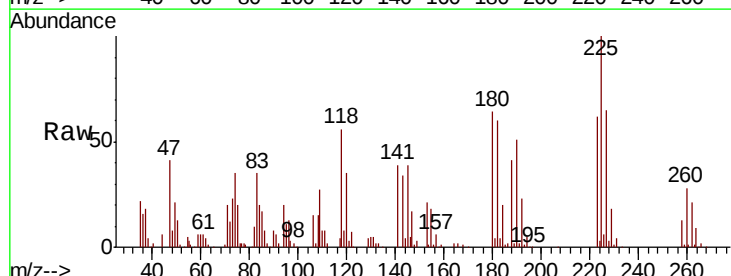
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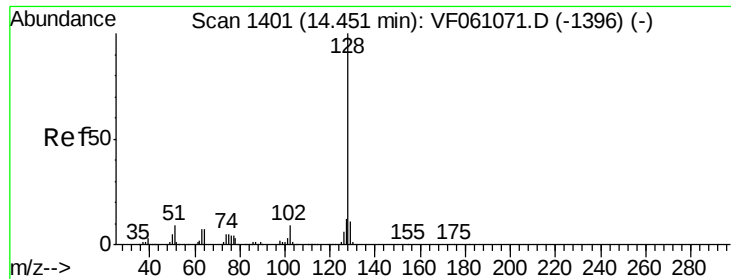
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#94
 Hexachlorobutadiene
 Concen: 21.500 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061204.D
 Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47039		
223	61.9	32.8	98.3	
227	65.4	34.0	101.8	





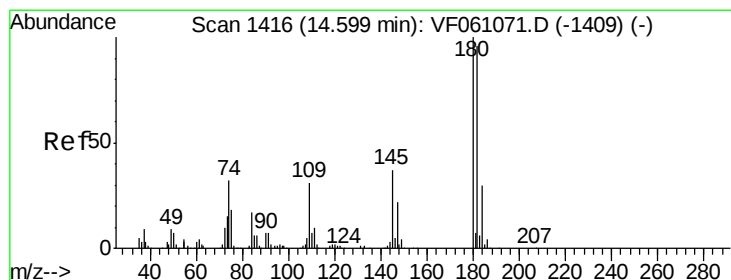
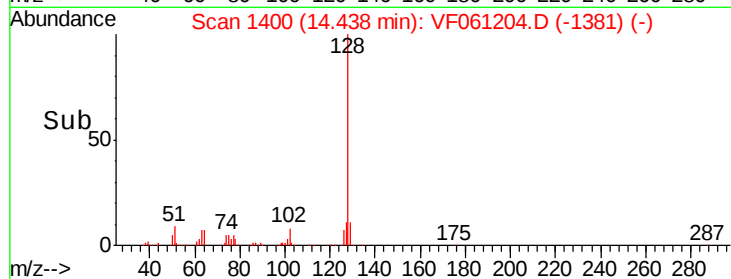
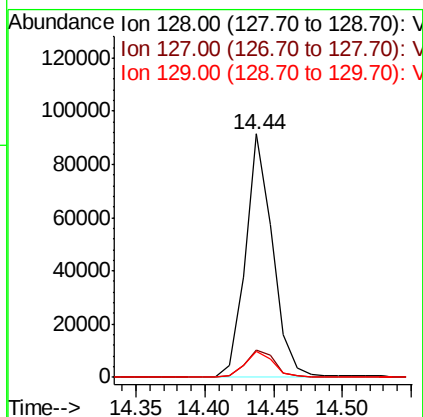
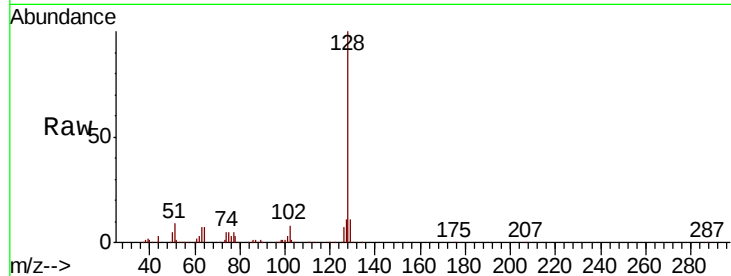
#95
Naphthalene
Concen: 20.155 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF1227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126421		
127	11.4		9.4	14.2
129	10.9		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.344 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061204.D
Acq: 27 Dec 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	67780		
182	88.9		47.9	143.8
145	36.1		18.6	55.8

