

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061232.D
 Acq On : 28 Dec 2018 13:25
 Operator : VA/AP
 Sample : VF1228SBS02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 11:52:07 AM

Quant Time: Dec 29 06:30:40 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	4.88	168	193863	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	357448	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	338602	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	171798	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	125009	50.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.28%	
35) Dibromofluoromethane	4.12	113	147302	51.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.88%	
50) Toluene-d8	7.57	98	395332	48.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.42	95	172419	46.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	82326	19.104	ug/l	97
3) Chloromethane	1.11	50	53773	21.783	ug/l	95
4) Vinyl Chloride	1.15	62	50979	22.262	ug/l	92
5) Bromomethane	1.34	94	33091	20.834	ug/l	97
6) Chloroethane	1.41	64	23139	21.929	ug/l	91
7) Trichlorofluoromethane	1.49	101	83732m	19.150	ug/l	
8) Diethyl Ether	1.64	74	13862	23.152	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.85	101	45989	20.286	ug/l	97
10) Methyl Iodide	1.91	142	71715m	20.068	ug/l	
11) Tert butyl alcohol	2.59	59	11311	112.414	ug/l	93
12) 1,1-Dichloroethene	1.81	96	36483	21.349	ug/l	95
13) Acrolein	2.00	56	7857	108.064	ug/l	100
14) Allyl chloride	2.10	41	44435	24.986	ug/l	86
15) Acrylonitrile	2.95	53	26945	115.807	ug/l	91
16) Acetone	2.25	43	54383	109.102	ug/l	100
17) Carbon Disulfide	1.86	76	103768m	20.093	ug/l	
18) Methyl Acetate	2.35	43	26190m	25.396	ug/l	
19) Methyl tert-butyl Ether	2.44	73	84152	22.185	ug/l	96
20) Methylene Chloride	2.27	84	37670m	21.049	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	36203m	19.807	ug/l	
22) Diisopropyl ether	2.81	45	134234	22.660	ug/l	93
23) Vinyl Acetate	3.20	43	321635	117.694	ug/l	97
24) 1,1-Dichloroethane	2.88	63	77193	21.993	ug/l	98
25) 2-Butanone	4.35	43	97051	120.052	ug/l	98
26) 2,2-Dichloropropane	3.61	77	43738	21.715	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	59617	21.306	ug/l	98
28) Bromochloromethane	3.73	49	40103	22.518	ug/l	86
29) Tetrahydrofuran	4.08	42	40449	122.934	ug/l	99
30) Chloroform	3.88	83	109795	20.863	ug/l	99
31) Cyclohexane	3.70	56	76195m	20.921	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	65231	20.679	ug/l	95
36) 1,1-Dichloropropene	4.29	75	81704	18.936	ug/l	98
37) Ethyl Acetate	4.12	43	38992	21.029	ug/l #	93
38) Carbon Tetrachloride	4.01	117	62035	18.880	ug/l	90

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	76659	19.804	ug/l	92
40) Benzene	4.65	78	191850	20.676	ug/l	99
41) Methacrylonitrile	4.76	41	19374	21.262	ug/l	94
42) 1,2-Dichloroethane	4.96	62	67014	19.012	ug/l	97
43) Isopropyl Acetate	6.98	43	45341	21.764	ug/l #	94
44) Trichloroethene	5.52	130	61051	20.870	ug/l	98
45) 1,2-Dichloropropane	6.25	63	47866	18.961	ug/l	96
46) Dibromomethane	6.10	93	33089	20.209	ug/l	91
47) Bromodichloromethane	6.40	83	83137	19.543	ug/l	98
48) Methyl methacrylate	6.73	41	31117	21.395	ug/l	91
49) 1,4-Dioxane	6.73	88	4443	421.018	ug/l #	58
51) 4-Methyl-2-Pentanone	8.28	43	158209	110.729	ug/l	96
52) Toluene	7.64	92	117800	19.179	ug/l	95
53) t-1,3-Dichloropropene	8.30	75	71249	20.761	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	83571	19.402	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	38474	20.895	ug/l	97
56) Ethyl methacrylate	8.63	69	39668	19.910	ug/l	91
57) 1,3-Dichloropropane	8.87	76	69932	20.999	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	25652	67.037	ug/l	99
59) 2-Hexanone	9.51	43	117943	114.145	ug/l	99
60) Dibromochloromethane	8.73	129	51797	19.624	ug/l	94
61) 1,2-Dibromoethane	9.00	107	41291	20.998	ug/l	97
64) Tetrachloroethene	8.17	164	47841	18.367	ug/l	95
65) Chlorobenzene	9.82	112	136867	19.566	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	53058	18.561	ug/l	98
67) Ethyl Benzene	9.91	91	250078	19.624	ug/l	99
68) m/p-Xylenes	10.14	106	176006	39.245	ug/l	95
69) o-Xylene	10.72	106	94484	18.996	ug/l	99
70) Styrene	10.80	104	142351	20.617	ug/l	98
71) Bromoform	10.78	173	26737	20.217	ug/l	95
73) Isopropylbenzene	11.14	105	284625	19.225	ug/l	97
74) N-amyl acetate	11.38	43	70684	21.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	53336	21.707	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	36898	20.179	ug/l	98
77) Bromobenzene	11.50	156	59791	18.761	ug/l	99
78) n-propylbenzene	11.60	91	337078	17.346	ug/l	99
79) 2-Chlorotoluene	11.73	91	193939	19.096	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	233359	19.143	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	16069m	20.450	ug/l	
82) 4-Chlorotoluene	11.91	91	199742	19.012	ug/l	95
83) tert-Butylbenzene	12.14	119	250915	20.002	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	234279	19.272	ug/l	99
85) sec-Butylbenzene	12.31	105	319136	19.495	ug/l	96
86) p-Isopropyltoluene	12.47	119	272321	20.041	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	113712	18.472	ug/l	95
88) 1,4-Dichlorobenzene	12.58	146	114746	19.608	ug/l	96
89) n-Butylbenzene	12.85	91	286334	18.281	ug/l	93
90) Hexachloroethane	12.92	117	60083	17.897	ug/l	99
91) 1,2-Dichlorobenzene	12.95	146	110463	19.388	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9274	20.568	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	79694	19.723	ug/l	95
94) Hexachlorobutadiene	14.20	225	47040	18.279	ug/l	96
95) Naphthalene	14.46	128	143514	19.451	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	72879	19.511	ug/l	92

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

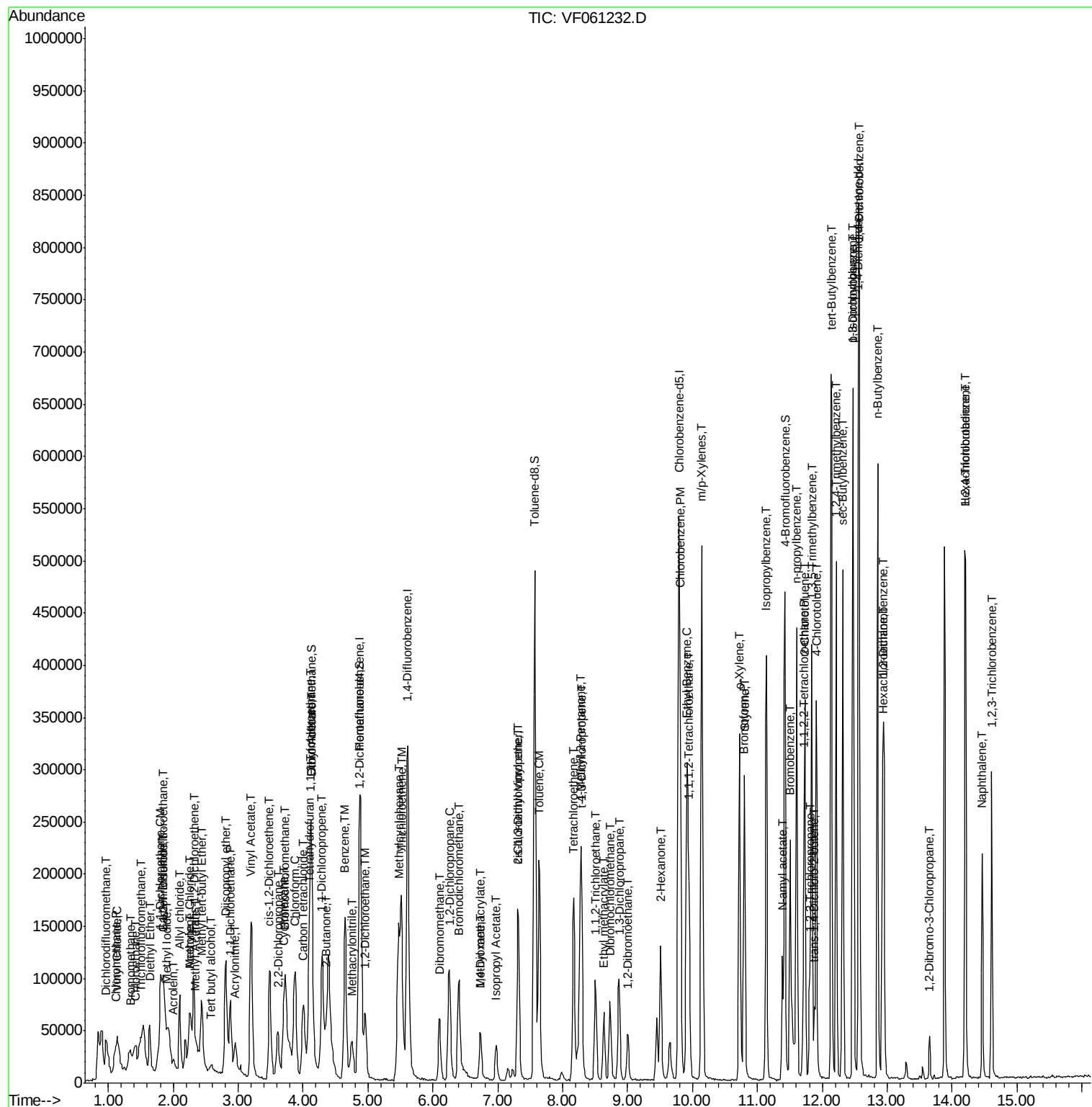
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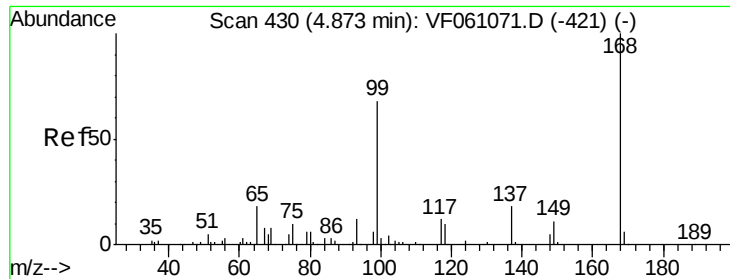
Instrument :
MSVOA_F
Client Sample Id :
VF1228SBS02

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion:168 Resp: 193863

Ion Ratio Lower Upper

168 100

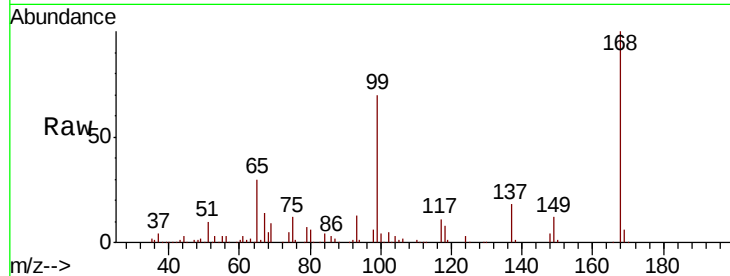
99 69.6 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

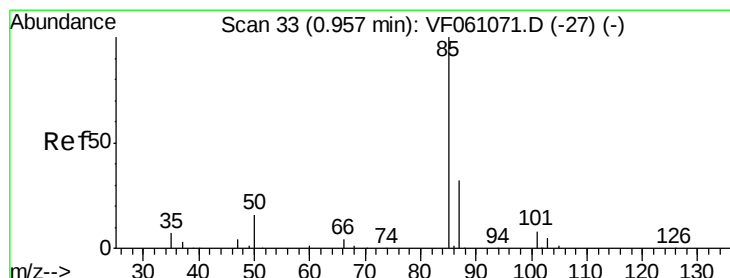
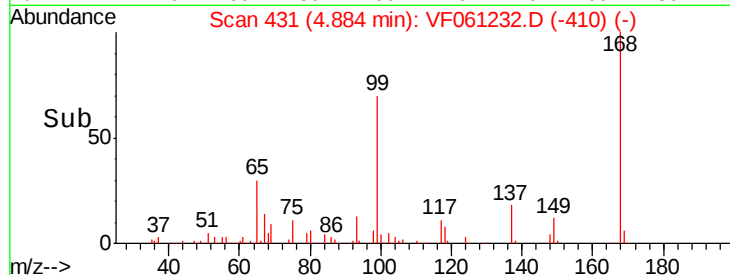
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.104 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061232.D

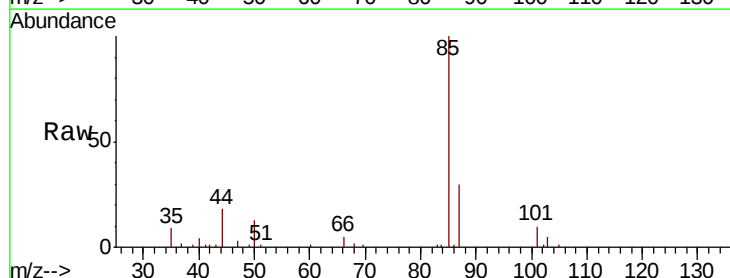
Acq: 28 Dec 2018 13:25

Tgt Ion: 85 Resp: 82326

Ion Ratio Lower Upper

85 100

87 30.1 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

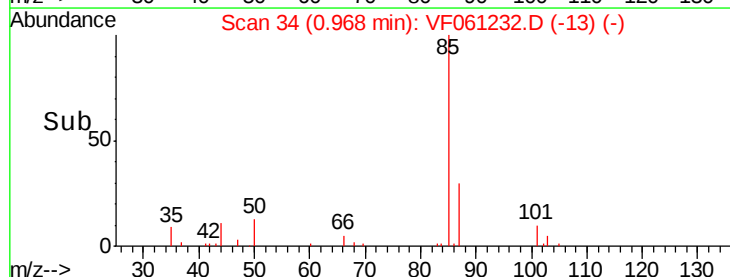
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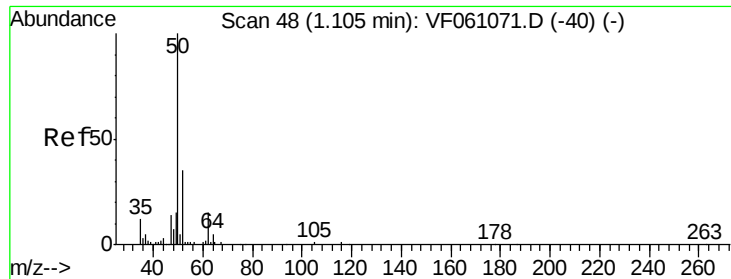
10000

5000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.783 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 50 Resp: 53773

Ion Ratio Lower Upper

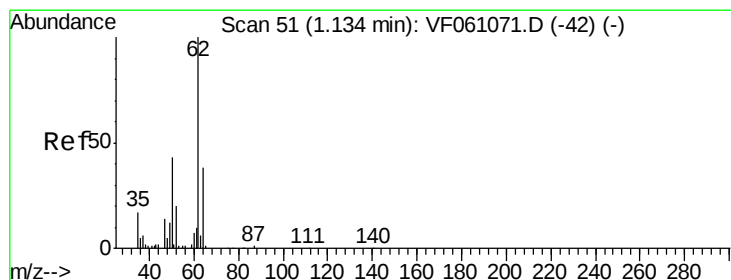
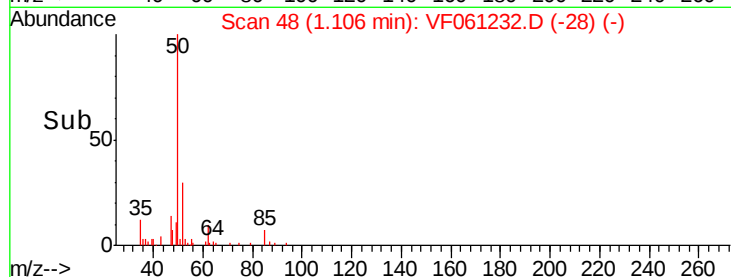
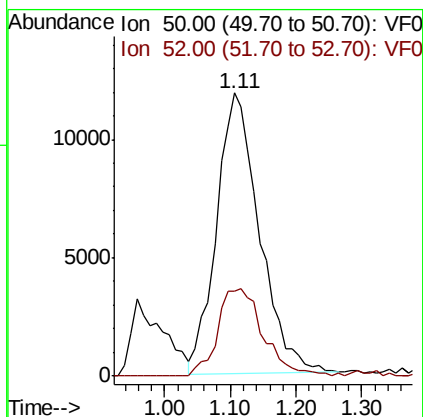
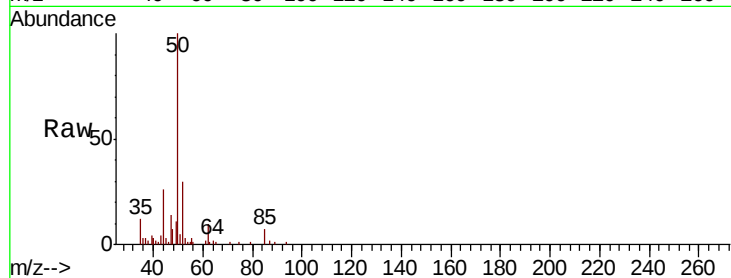
50 100

52 30.0 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.262 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061232.D

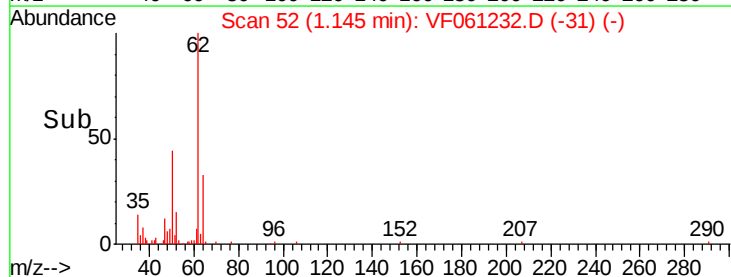
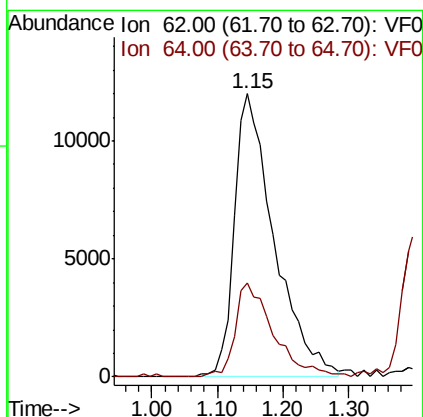
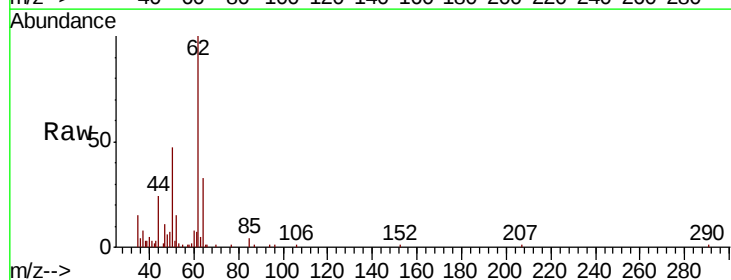
Acq: 28 Dec 2018 13:25

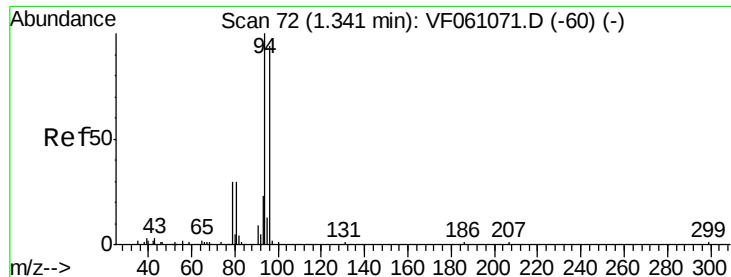
Tgt Ion: 62 Resp: 50979

Ion Ratio Lower Upper

62 100

64 33.0 30.4 45.6





#5

Bromomethane

Concen: 20.834 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 94 Resp: 33091

Ion Ratio Lower Upper

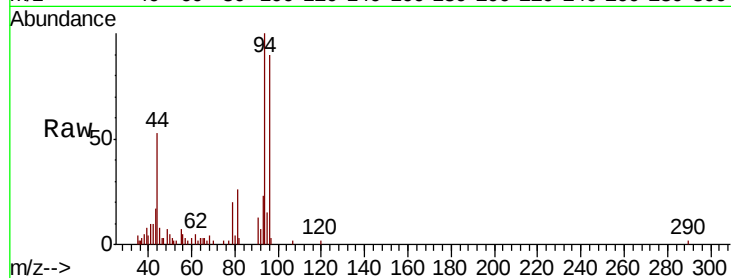
94 100

96 89.8 74.4 111.6

Manual Integrations
APPROVED

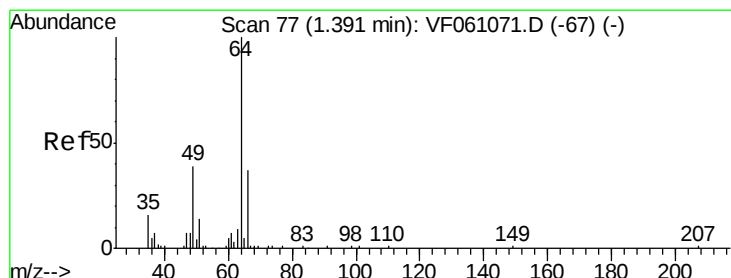
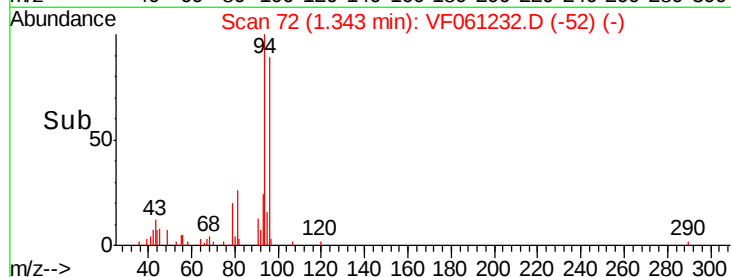
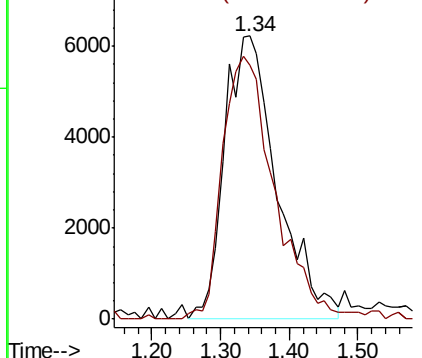
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 21.929 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061232.D

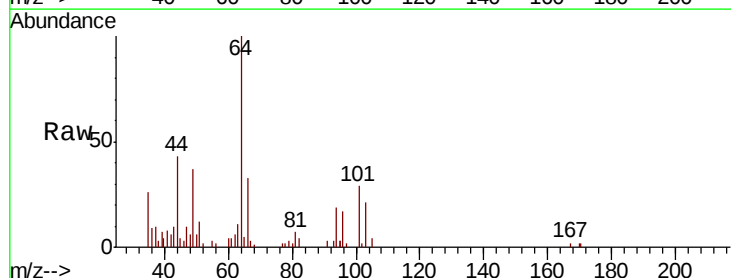
Acq: 28 Dec 2018 13:25

Tgt Ion: 64 Resp: 23139

Ion Ratio Lower Upper

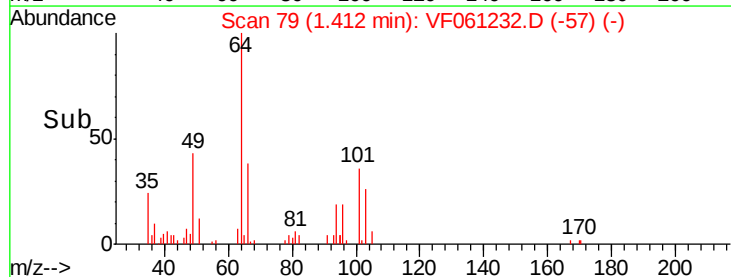
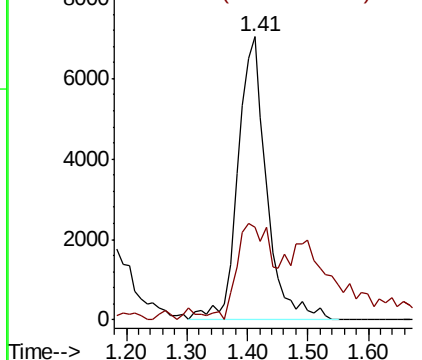
64 100

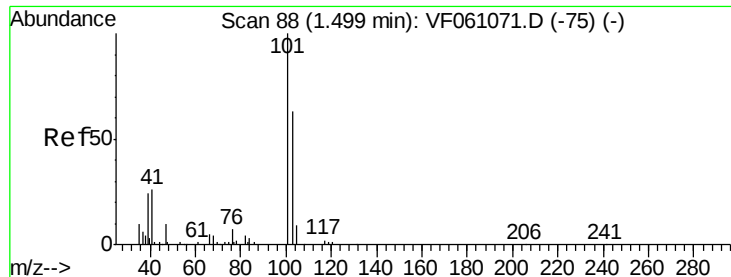
66 32.9 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

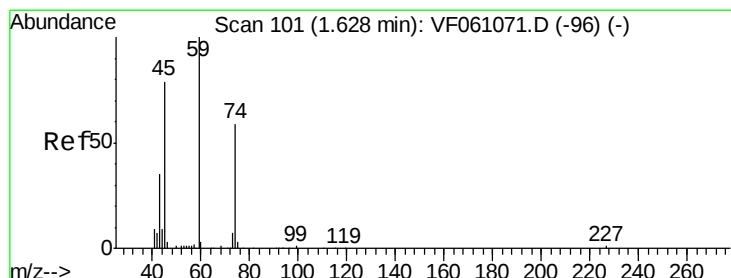
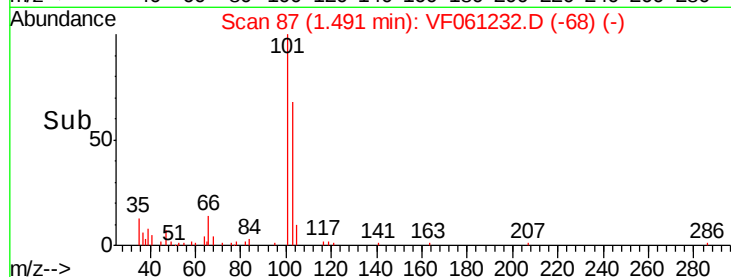
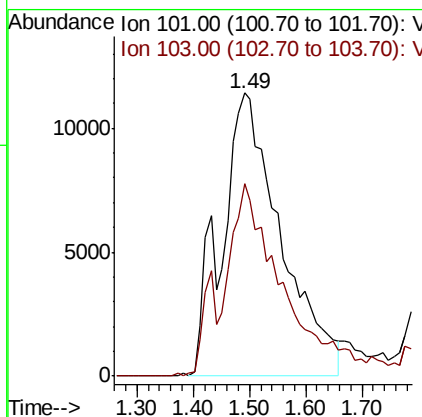
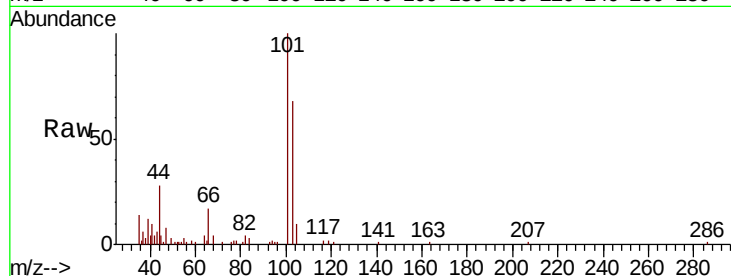
Trichlorofluoromethane
Concen: 19.150 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	50.7	76.1

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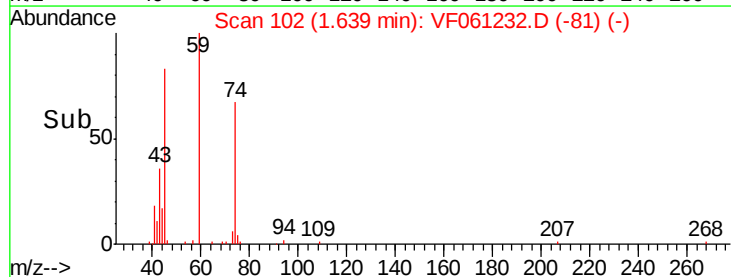
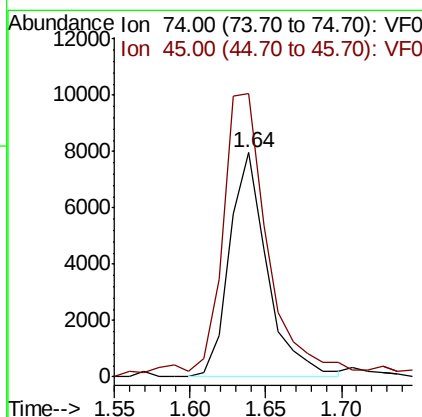
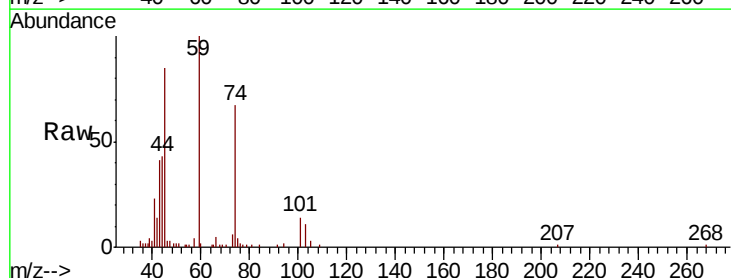
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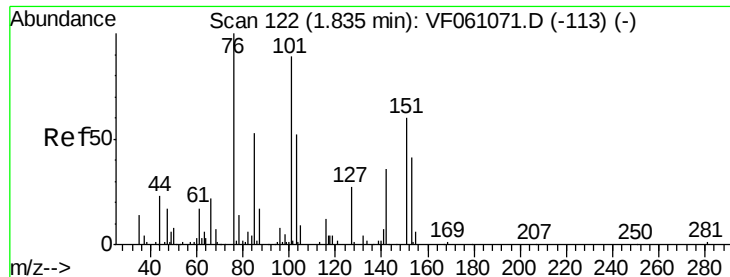


#8

Diethyl Ether
Concen: 23.152 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.3	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.286 ug/l

RT: 1.85 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

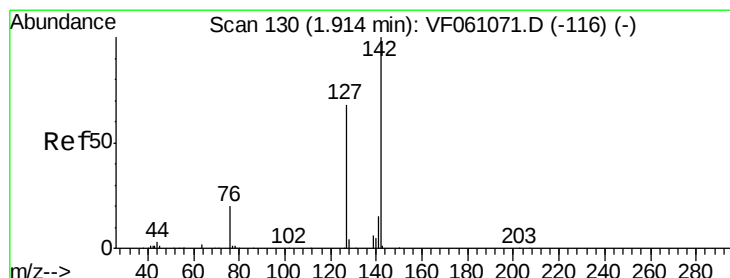
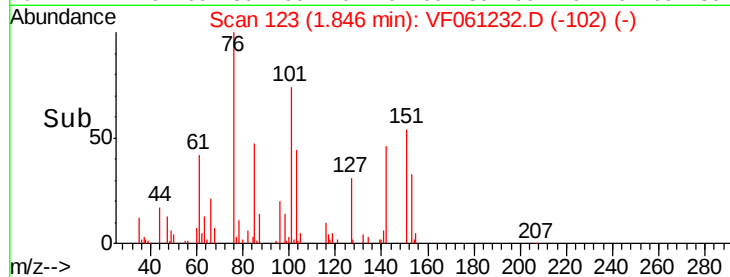
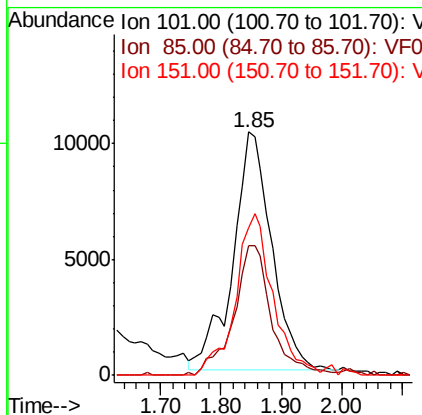
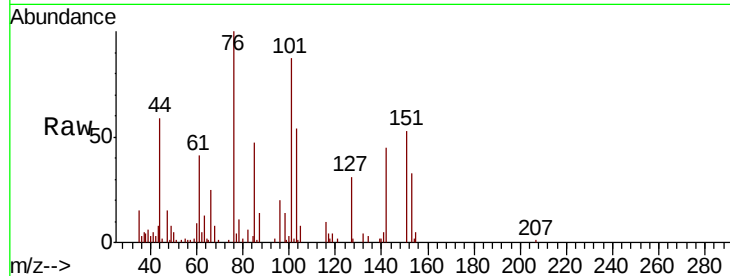
ClientSampleId :

VF1228SBS02

Tot Ion:	101	Resp:	45989
Ion Ratio	Lower	Upper	
101	100		
85	53.5	44.5	66.7
151	60.6	49.9	74.9

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#10

Methyl Iodide

Concen: 20.068 ug/l m

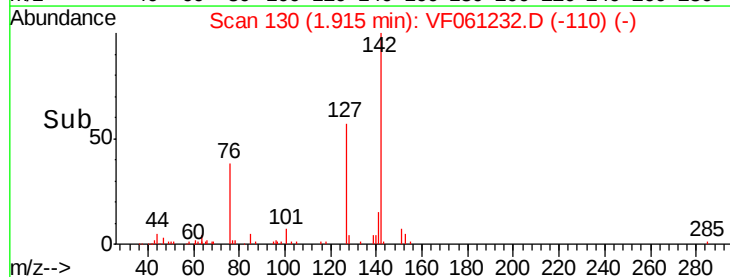
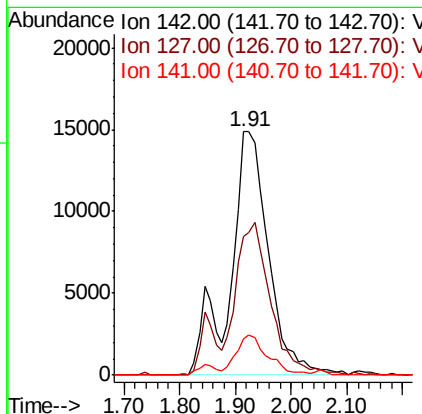
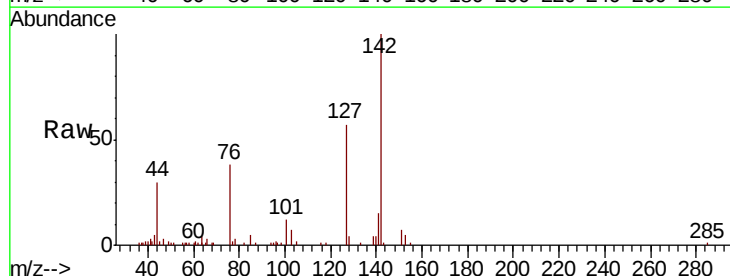
RT: 1.91 min Scan# 130

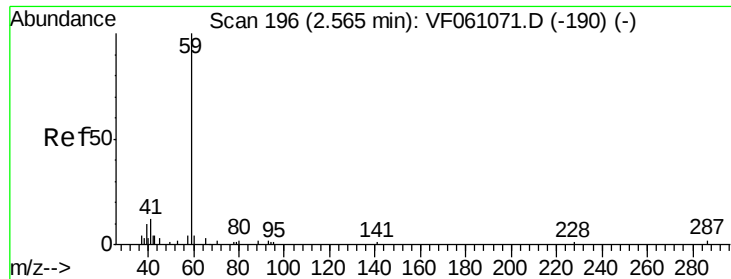
Delta R.T. 0.00 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	142	Resp:	71715
Ion Ratio	Lower	Upper	
142	100		
127	56.8	54.7	82.1
141	14.8	12.2	18.2





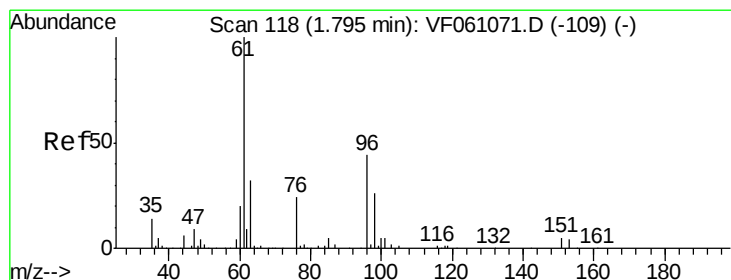
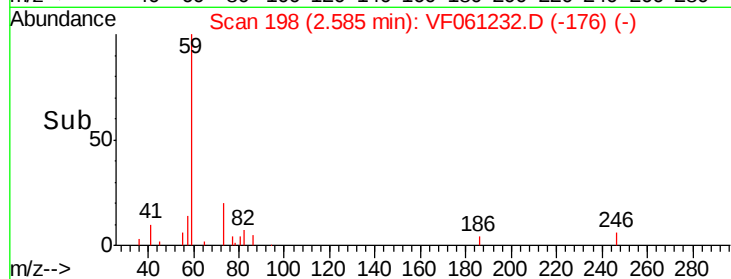
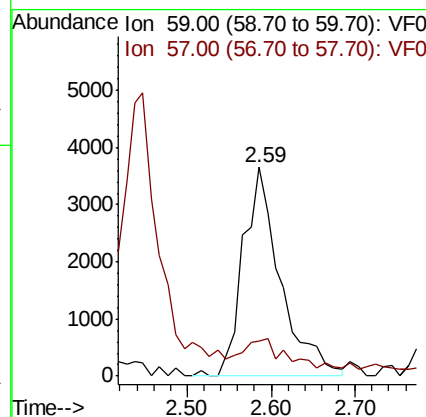
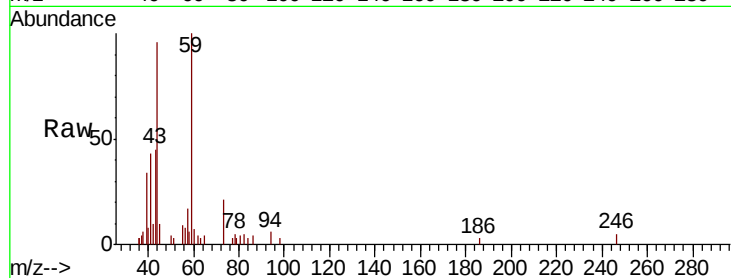
#11
Tert butyl alcohol
Concen: 112.414 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.1	11.5	17.3

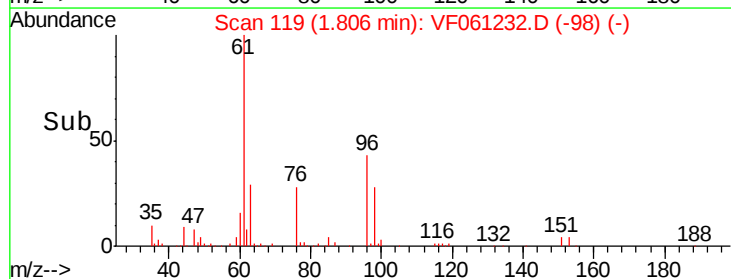
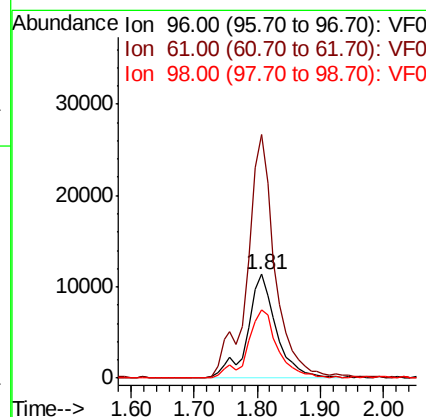
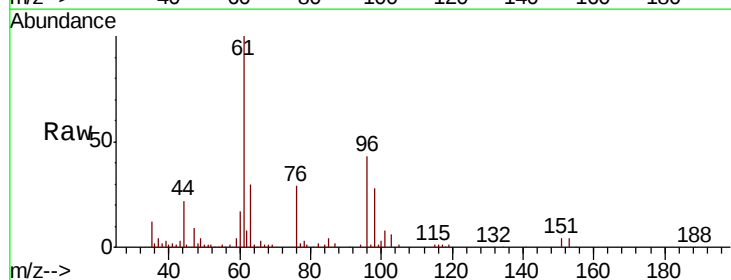
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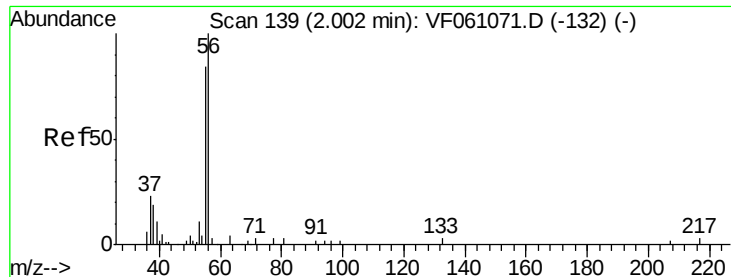
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.349 ug/l
RT: 1.81 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.3	182.0	273.0
98	65.7	46.5	69.7





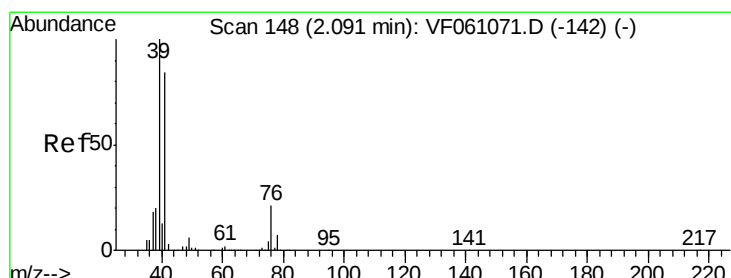
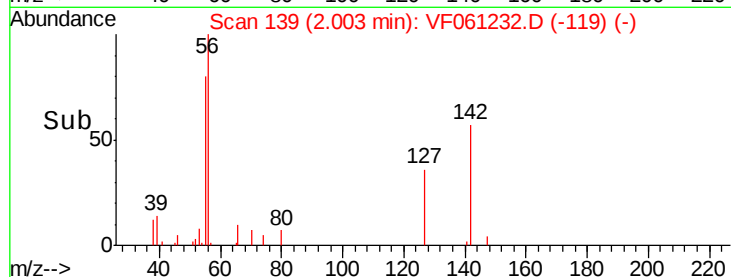
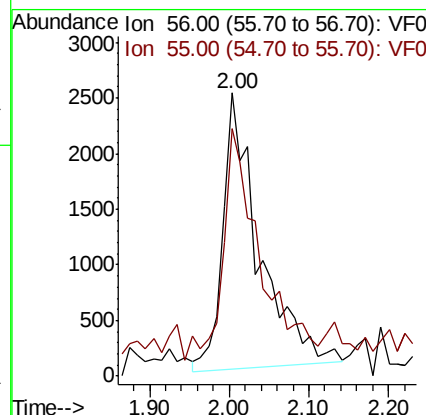
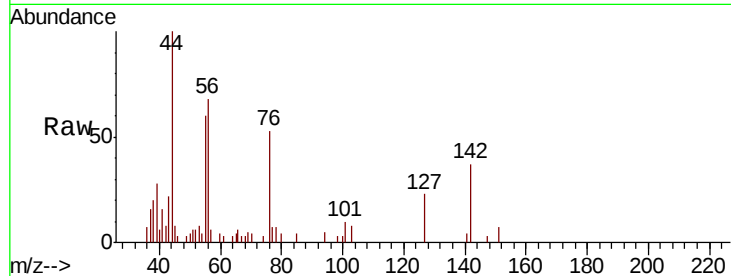
#13
Acrolein
Concen: 108.064 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	56	Resp	7857
Ion Ratio	100	Lower	Upper
55	87.6	70.2	105.2

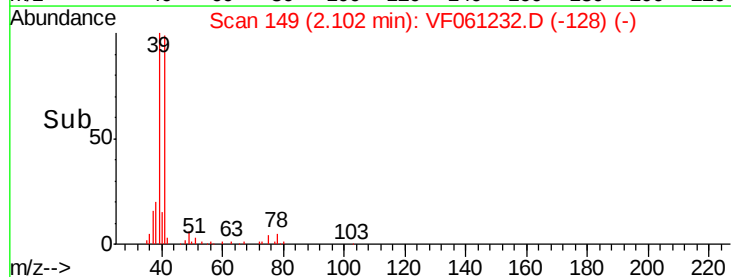
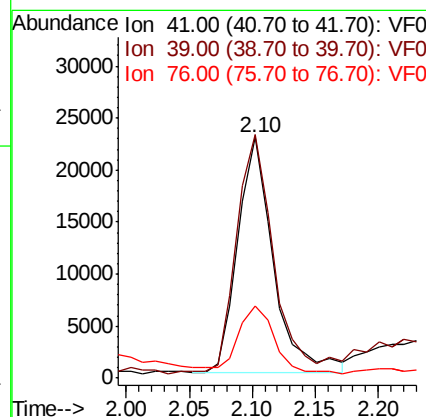
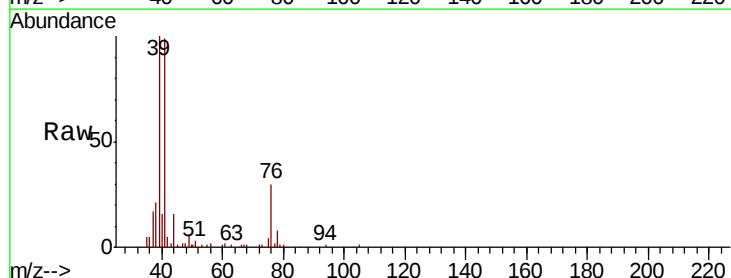
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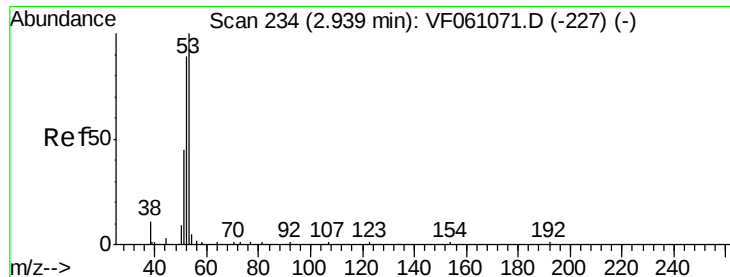
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#14
Allyl chloride
Concen: 24.986 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	41	Resp	44435
Ion Ratio	100	Lower	Upper
39	101.1	96.4	144.6
76	30.0	25.4	38.0





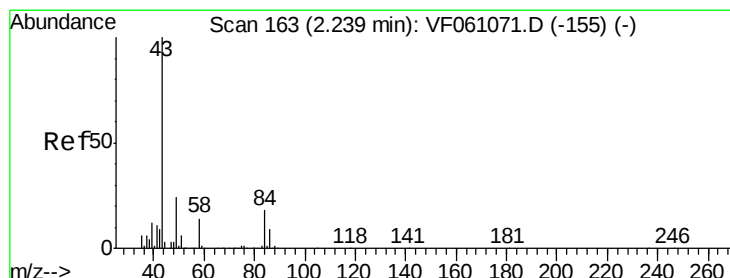
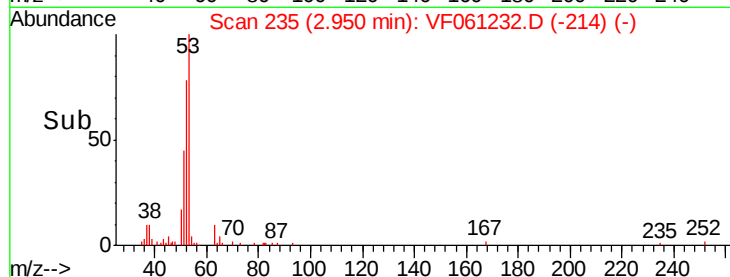
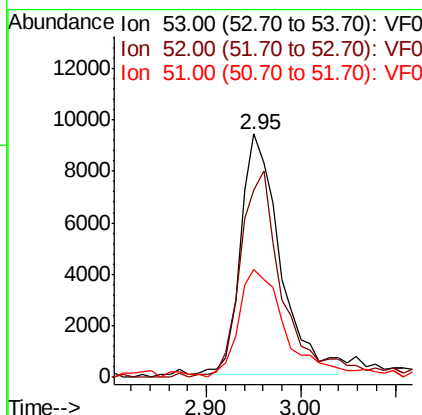
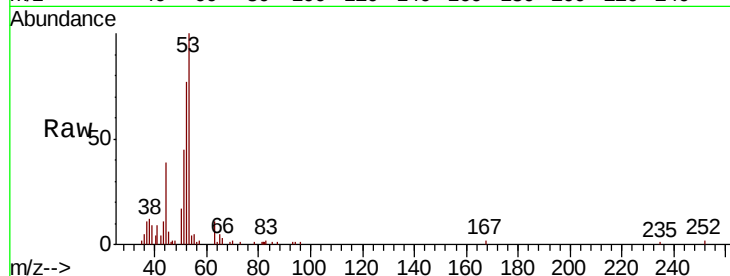
#15
 Acrylonitrile
 Concen: 115.807 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Tot Ion:	53	Resp:	26945
Ion	Ratio	Lower	Upper
53	100		
52	76.8	71.3	106.9
51	44.6	36.8	55.2

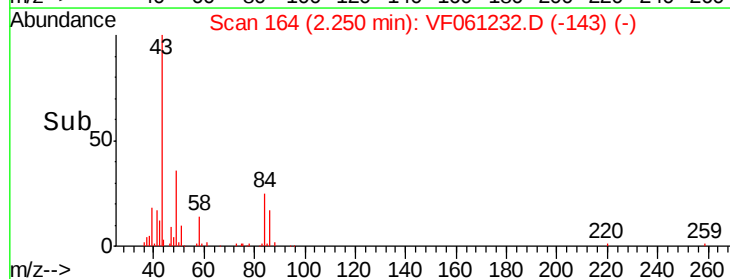
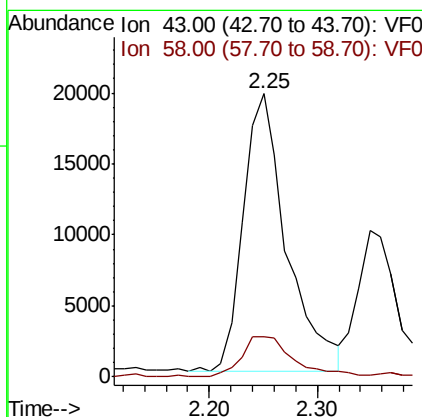
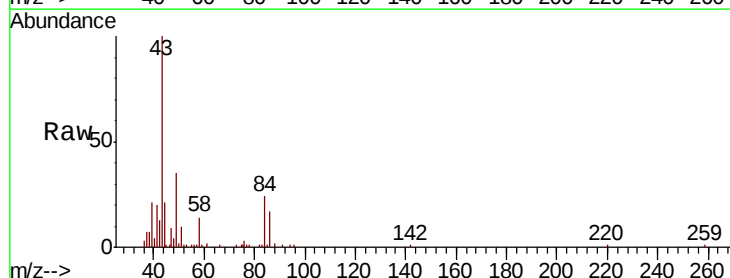
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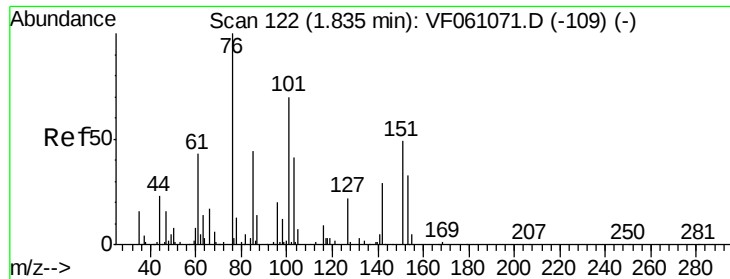
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#16
 Acetone
 Concen: 109.102 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Tgt Ion:	43	Resp:	54383
Ion	Ratio	Lower	Upper
43	100		
58	14.0	11.1	16.7





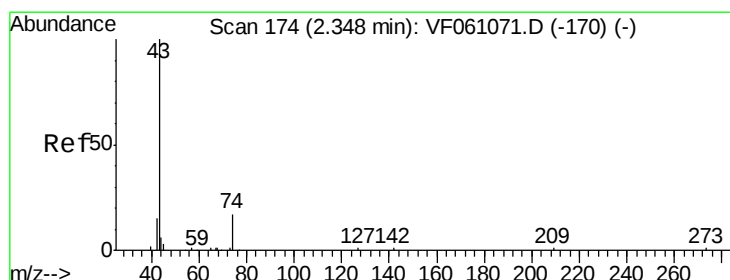
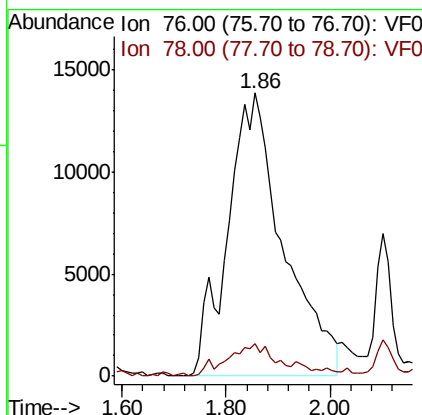
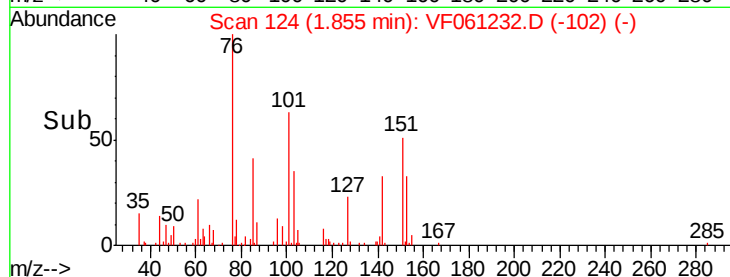
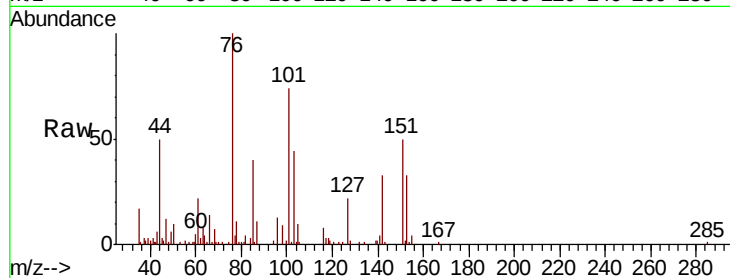
#17
Carbon Disulfide
Concen: 20.093 ug/l m
RT: 1.86 min Scan# 124
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion: 76 Resp: 103768
Ion Ratio Lower Upper
76 100
78 11.4 10.2 15.4

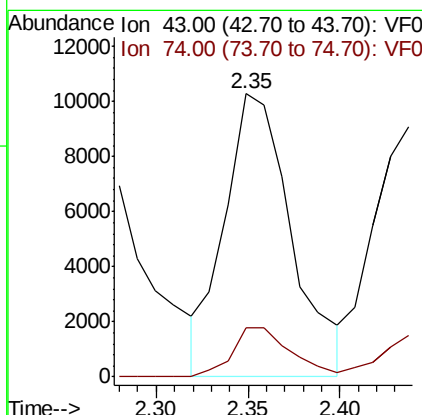
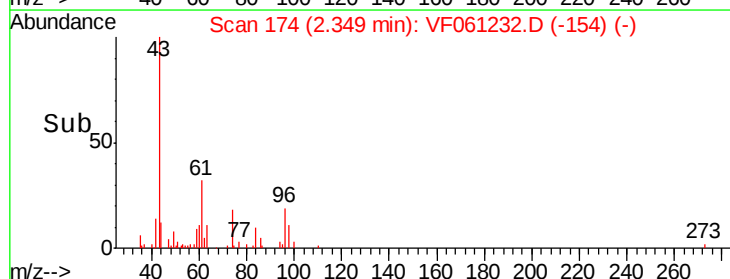
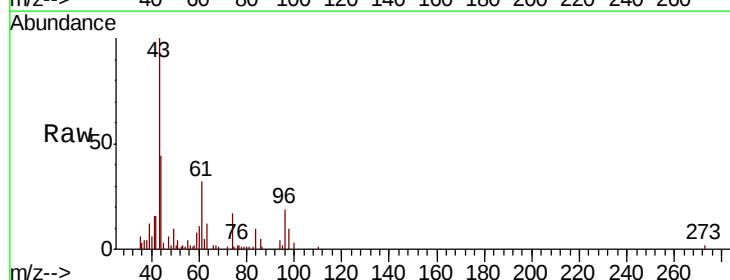
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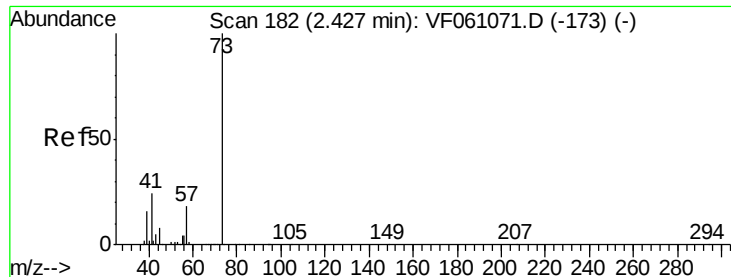
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#18
Methyl Acetate
Concen: 25.396 ug/l m
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion: 43 Resp: 26190
Ion Ratio Lower Upper
43 100
74 17.2 11.0 16.6#





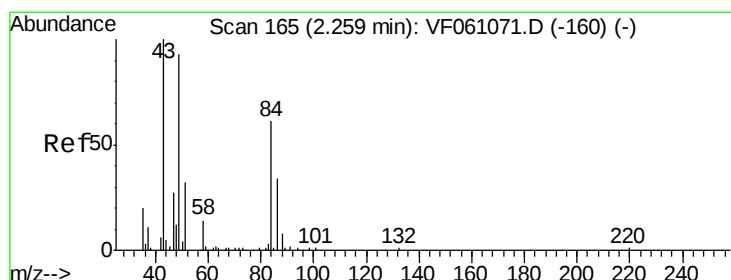
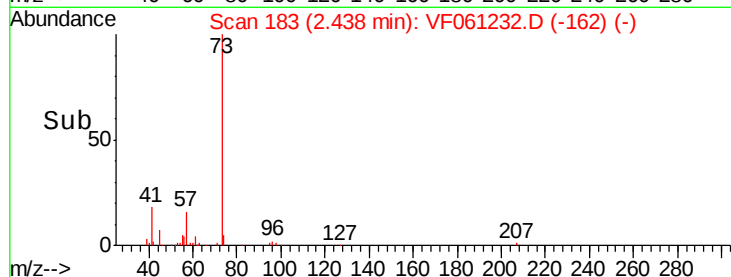
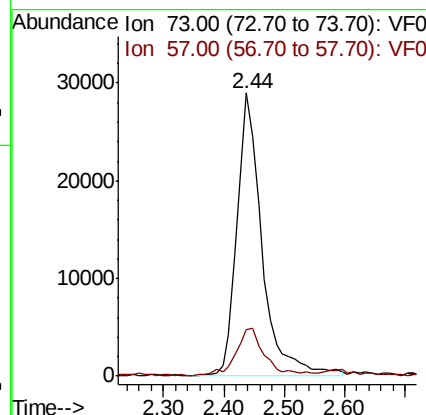
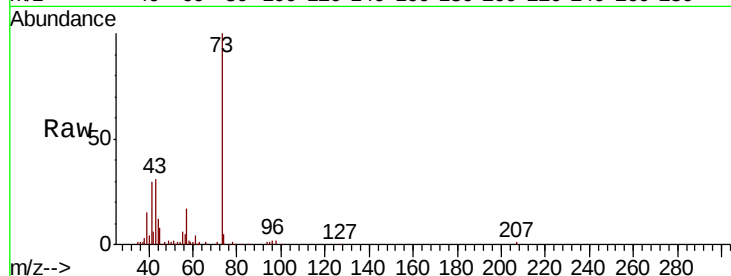
#19
Methvl tert-butvl Ether
Concen: 22.185 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	14.5	21.7

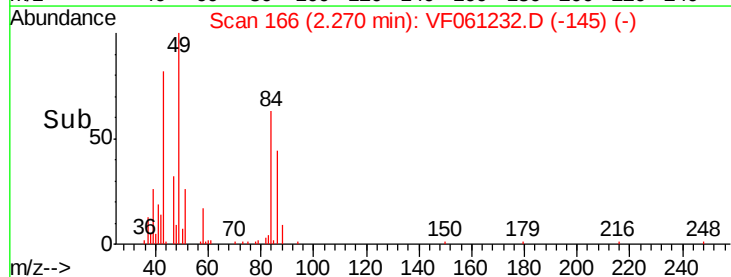
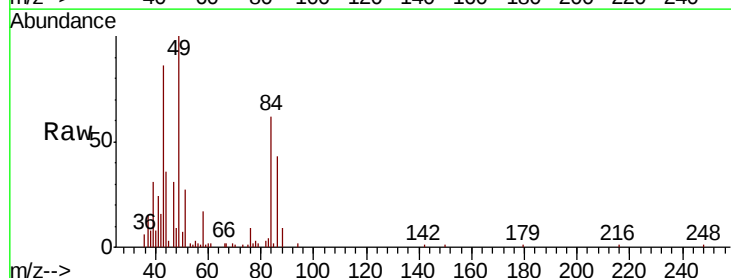
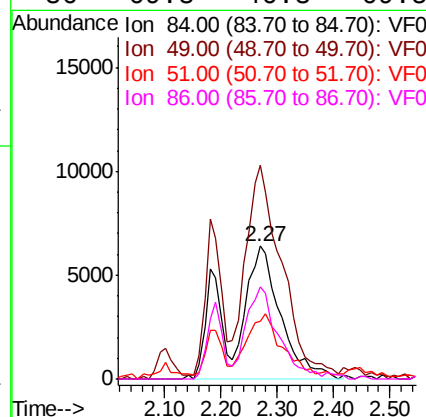
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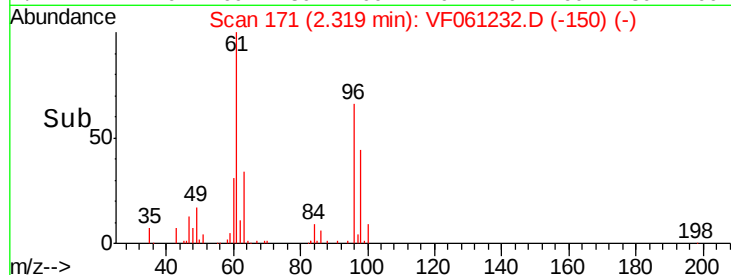
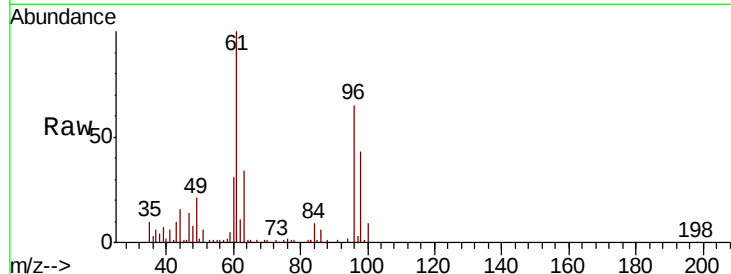
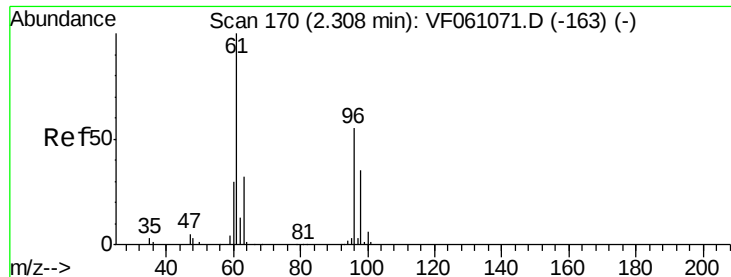
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#20
Methylene Chloride
Concen: 21.049 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.1	129.4	194.2
51	43.1	44.0	66.0#
86	69.8	46.3	69.5#





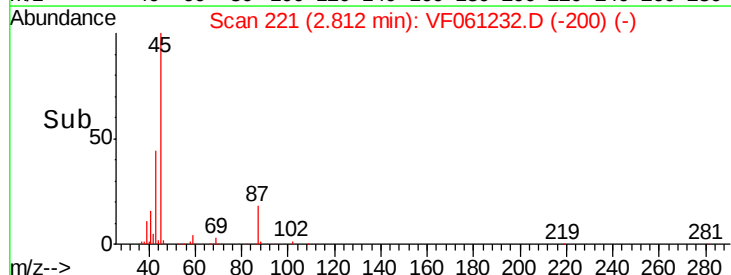
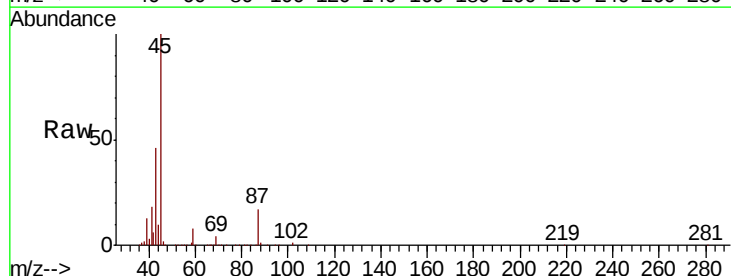
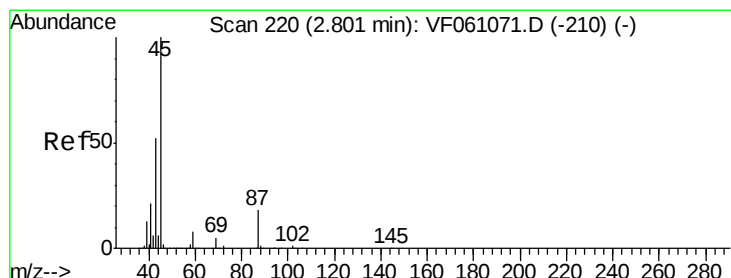
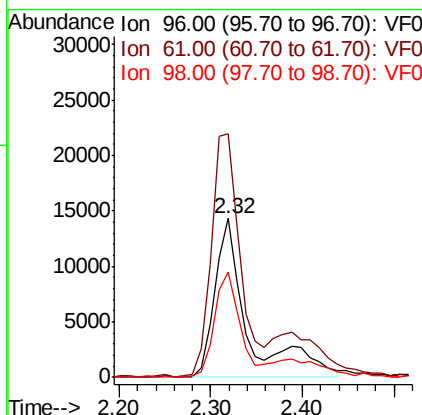
#21
trans-1,2-Dichloroethene
Concen: 19.807 ug/l m
RT: 2.32 min Scan# 171
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	146.0	219.0
98	65.9	51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

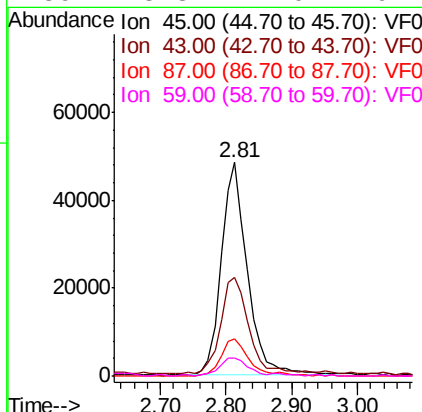
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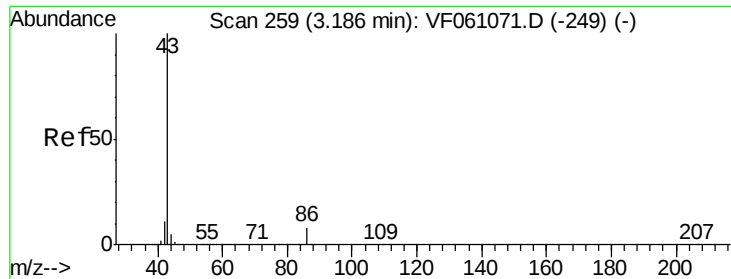
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#22
Diisopropyl ether
Concen: 22.660 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	46.3	42.2	63.2
87	17.4	14.6	22.0
59	8.3	7.0	10.4





#23

Vinyl Acetate

Concen: 117.694 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 43 Resp: 321635

Ion Ratio Lower Upper

43 100

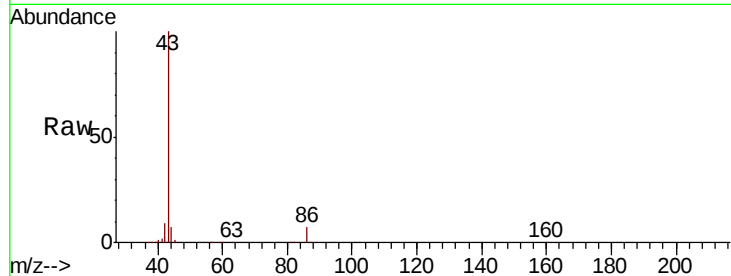
86 7.0 6.3 9.5

Manual Integrations

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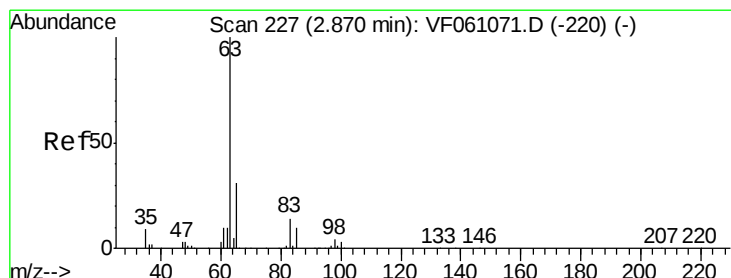
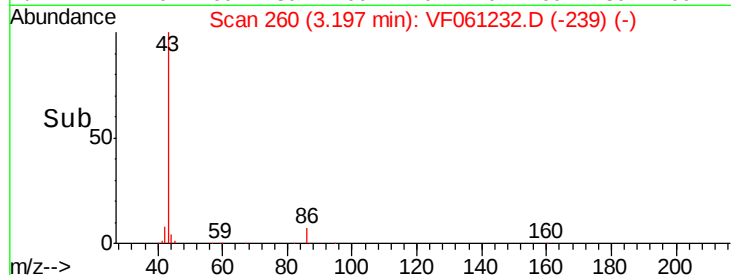
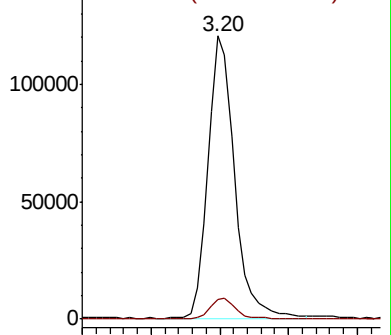
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.993 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

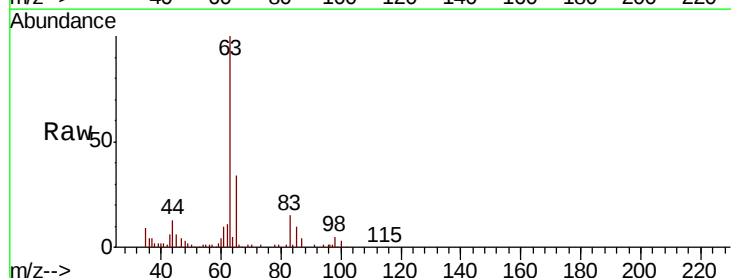
Tgt Ion: 63 Resp: 77193

Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

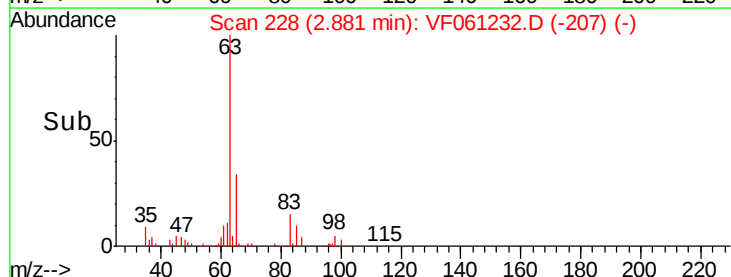
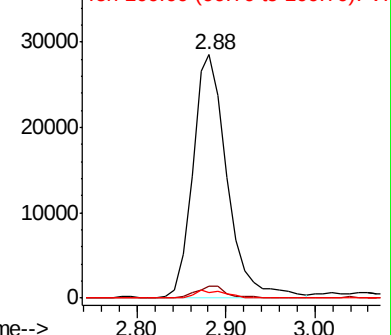
100 2.5 1.7 5.1

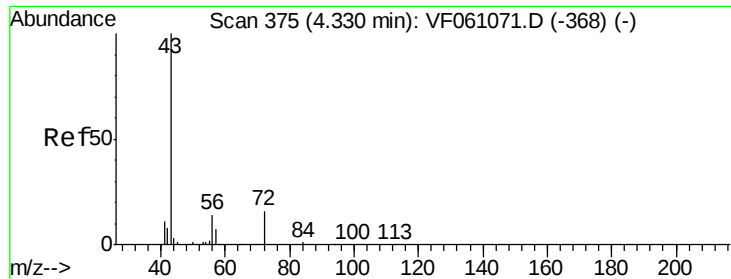


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 120.052 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 43 Resp: 97051

Ion Ratio Lower Upper

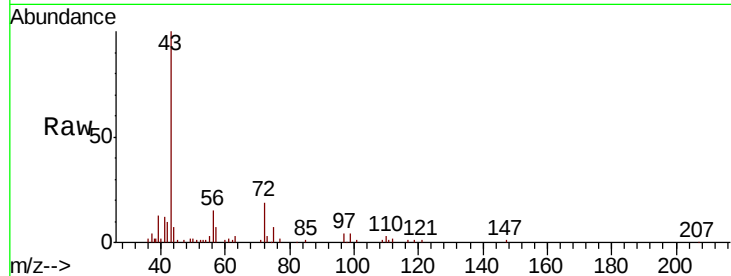
43 100

72 18.6 15.6 23.4

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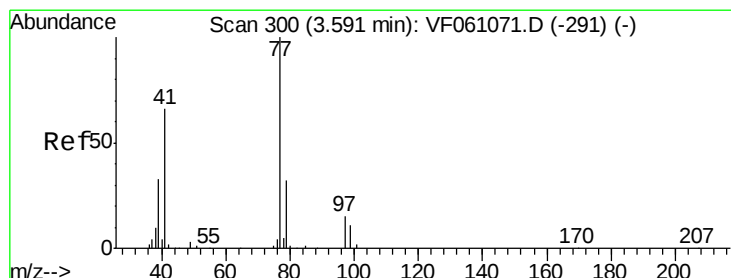
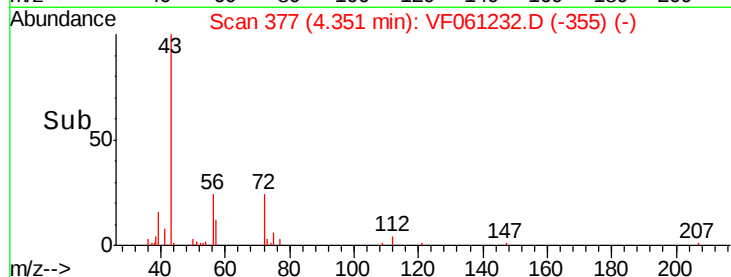
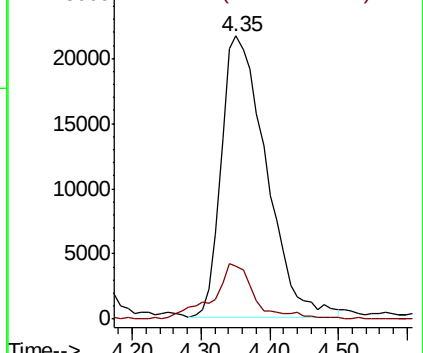
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.715 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.02 min

Lab File: VF061232.D

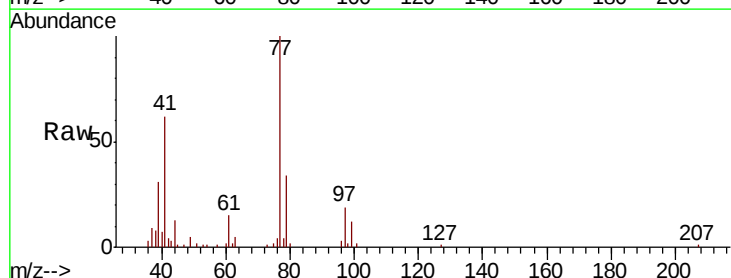
Acq: 28 Dec 2018 13:25

Tgt Ion: 77 Resp: 43738

Ion Ratio Lower Upper

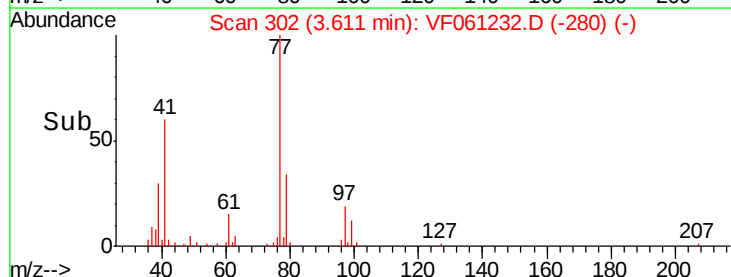
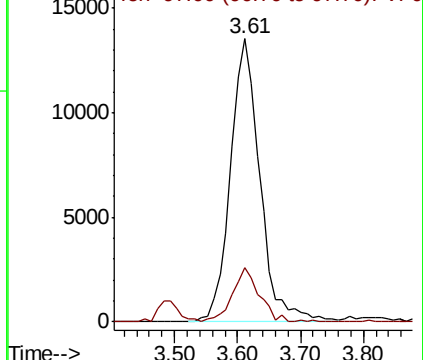
77 100

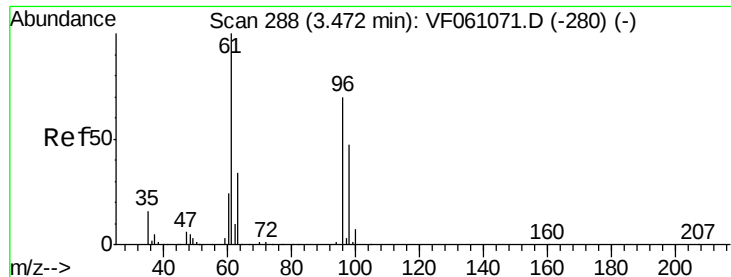
97 19.0 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

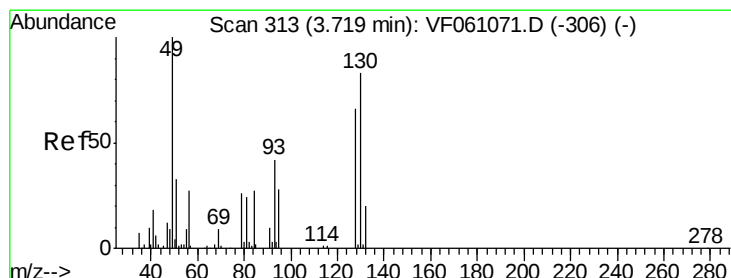
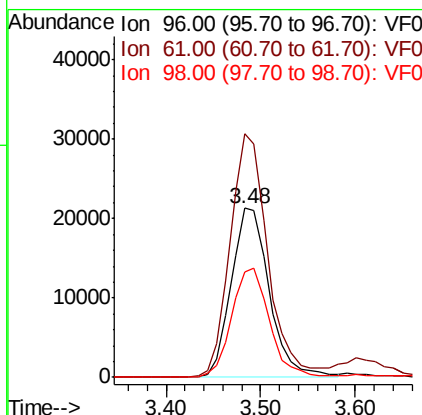
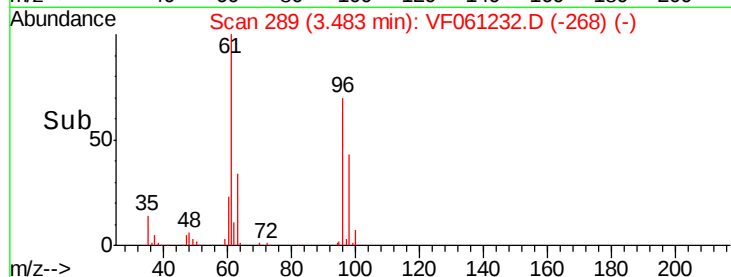
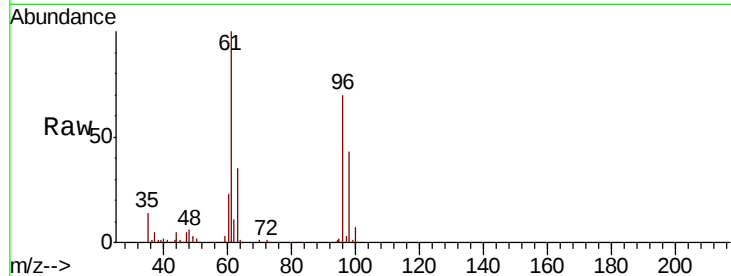
cis-1,2-Dichloroethene
Concen: 21.306 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59617		
61	143.8		0.0	287.8
98	62.3		0.0	134.2

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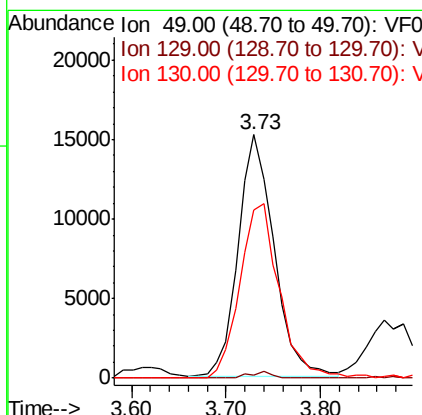
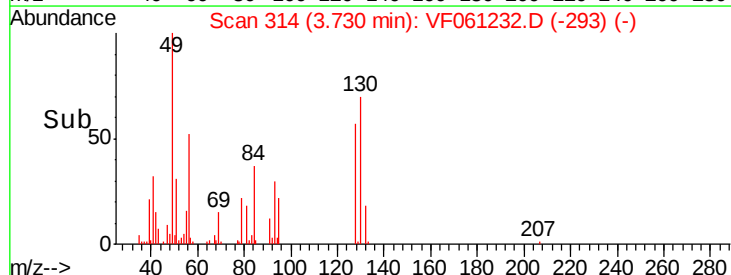
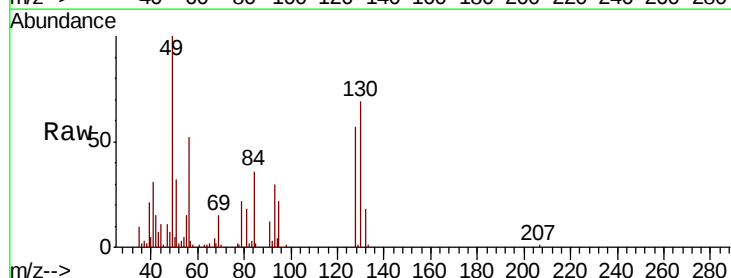
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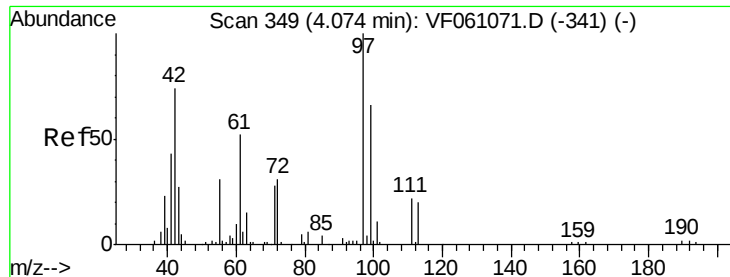


#28

Bromochloromethane
Concen: 22.518 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40103		
129	1.2		0.0	3.6
130	69.1		65.8	98.6





#29

Tetrahydrofuran

Concen: 122.934 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

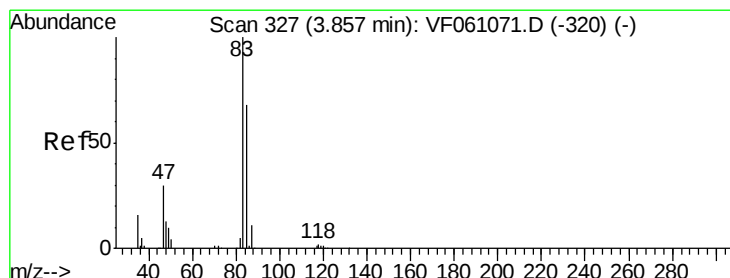
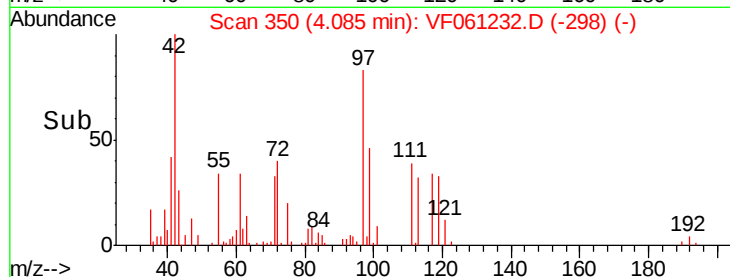
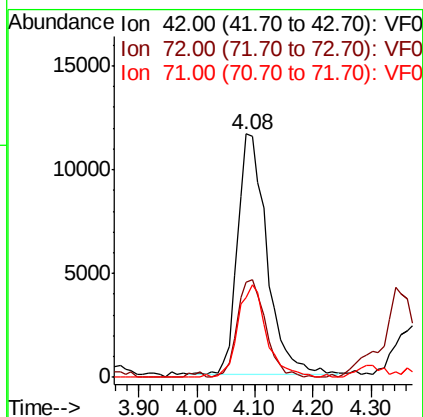
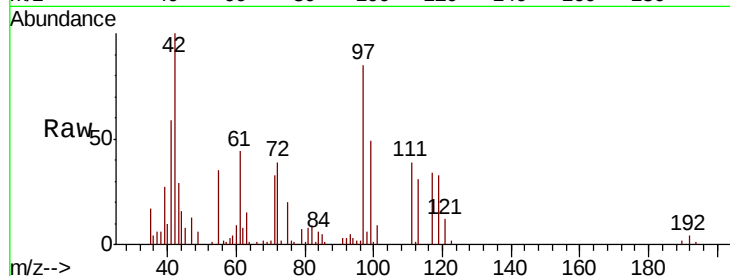
ClientSampleId :

VF1228SBS02

Tot Ion:	42	Resp:	40449
Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.8	47.8
71	37.7	29.7	44.5

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#30

Chloroform

Concen: 20.863 ug/l

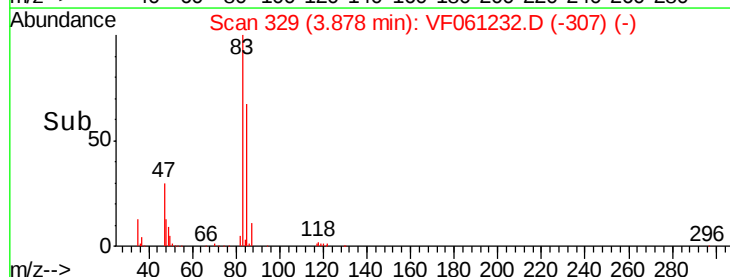
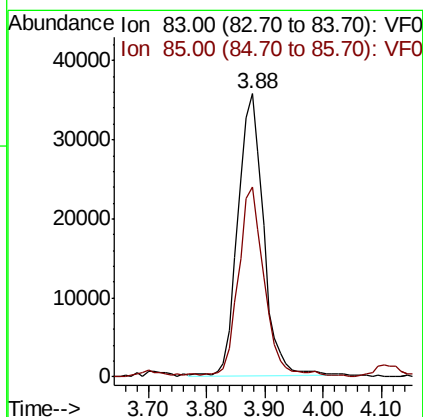
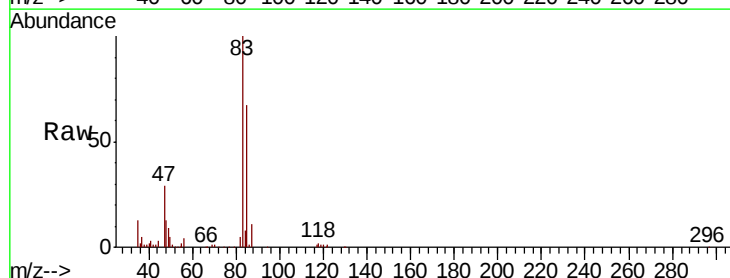
RT: 3.88 min Scan# 329

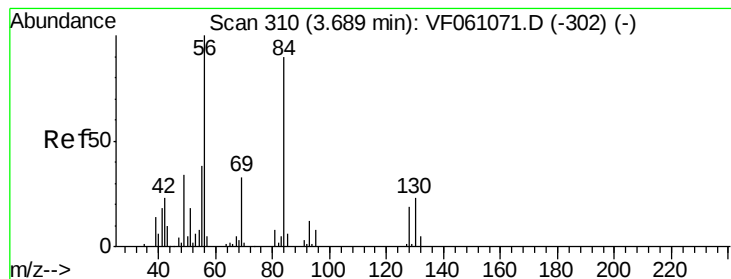
Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	83	Resp:	109795
Ion	Ratio	Lower	Upper
83	100		
85	67.2	54.5	81.7





#31

Cvclohexane

Concen: 20.921 ug/l m

RT: 3.70 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

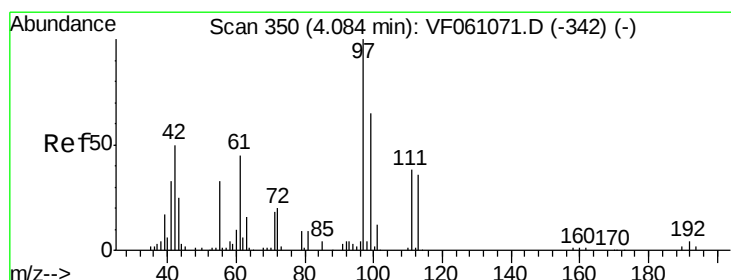
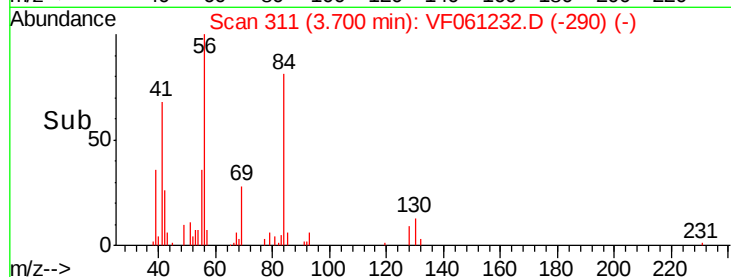
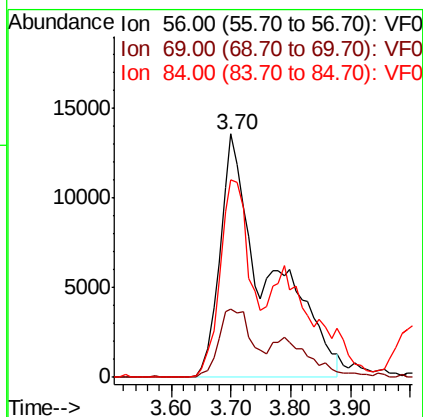
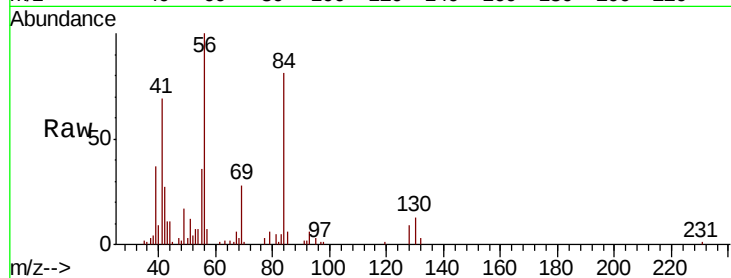
ClientSampleId :

VF1228SBS02

Tot Ion:	56	Resp:	76195
Ion Ratio	Lower	Upper	
56	100		
69	28.1	26.0	39.0
84	81.3	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 20.679 ug/l

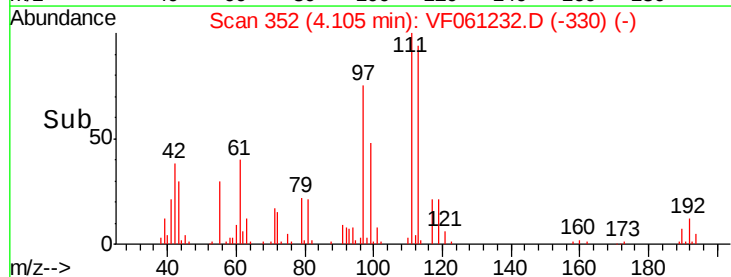
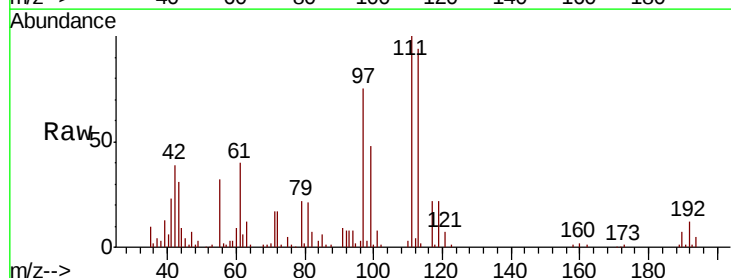
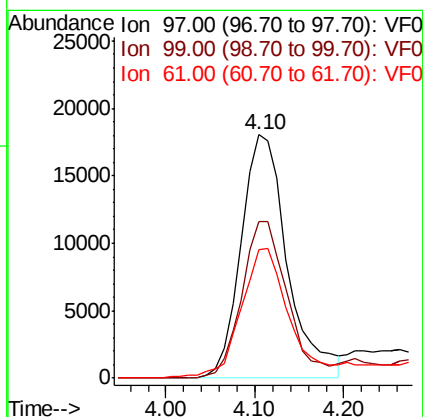
RT: 4.10 min Scan# 352

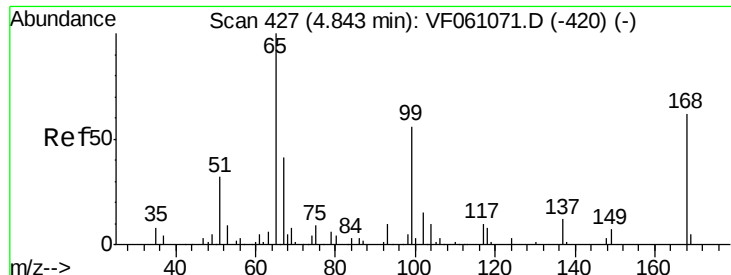
Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	97	Resp:	65231
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.6	77.4
61	52.6	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 50.136 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tot Ion: 65 Resp: 125009

Ion Ratio Lower Upper

65 100

67 48.5 0.0 94.6

Instrument :

MSVOA_F

ClientSampleId :

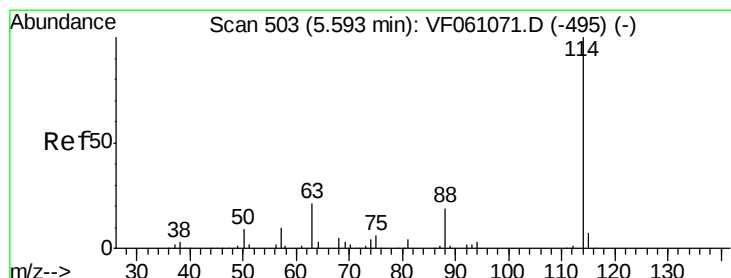
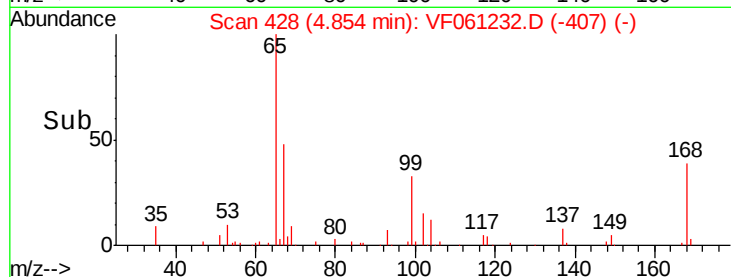
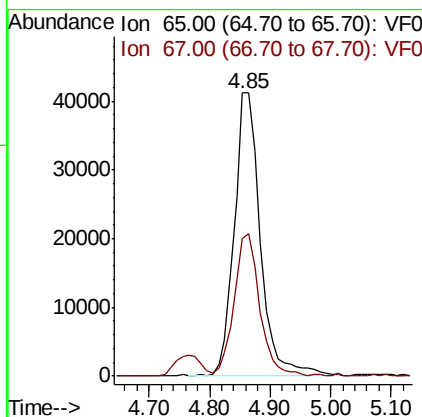
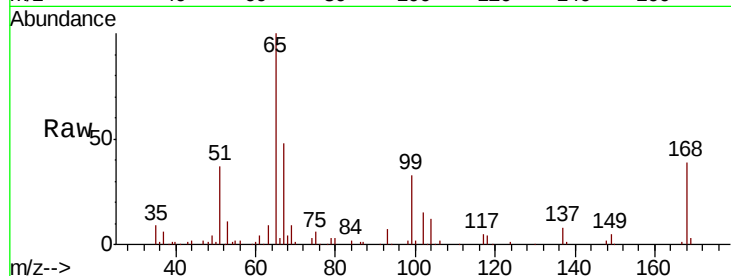
VF1228SBS02

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

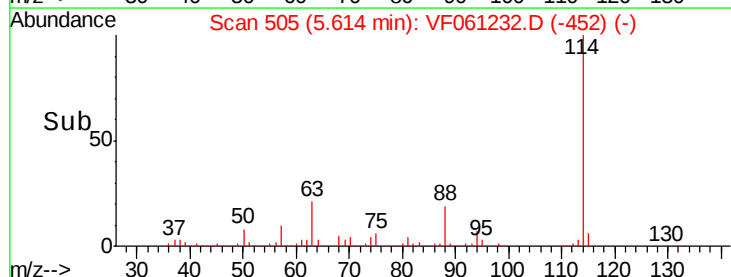
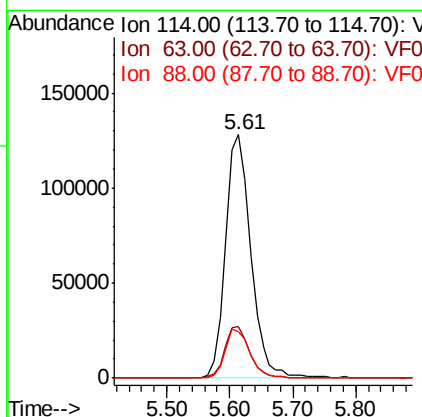
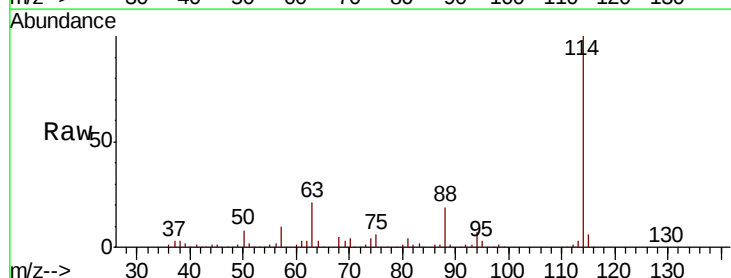
Tgt Ion: 114 Resp: 357448

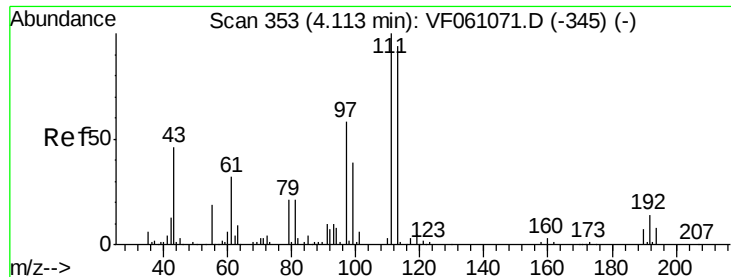
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

88 19.0 0.0 38.0





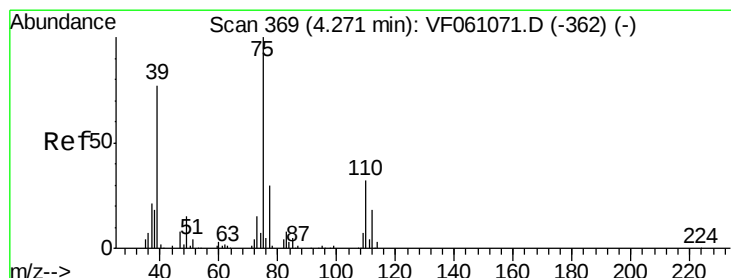
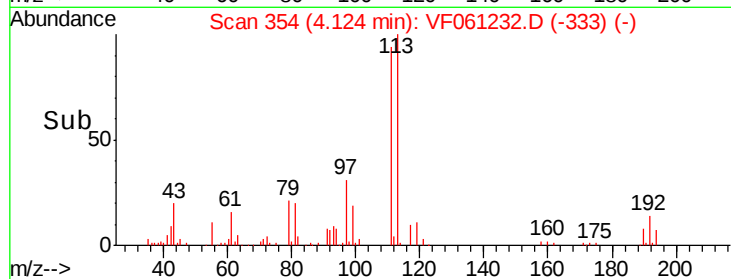
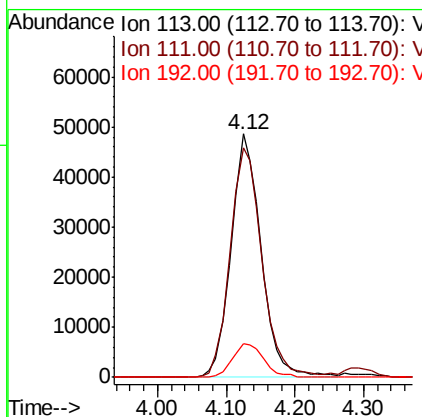
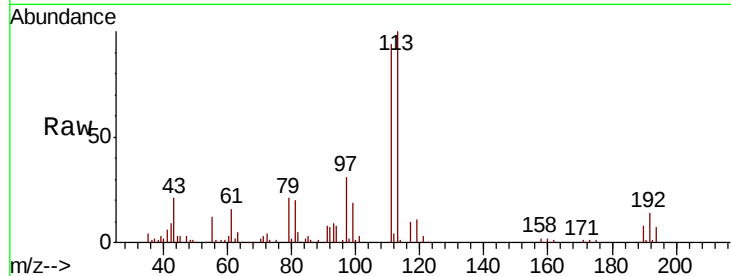
#35
 Dibromofluoromethane
 Concen: 51.444 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147302		
111	94.5	85.2	127.8	
192	14.4	12.8	19.2	

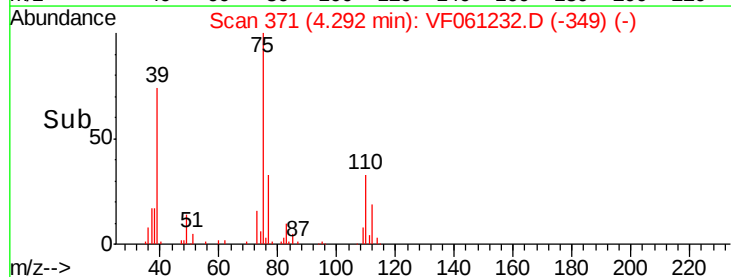
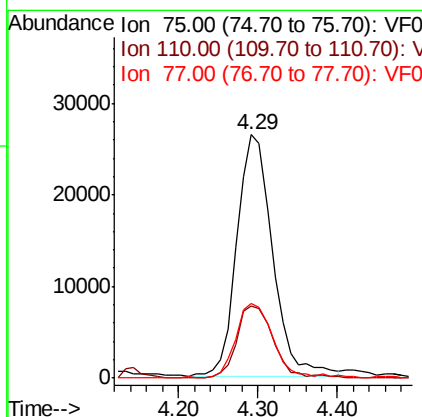
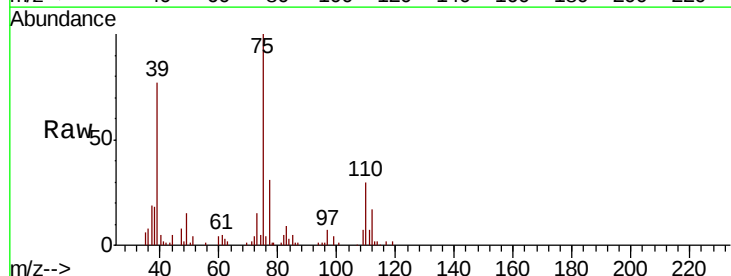
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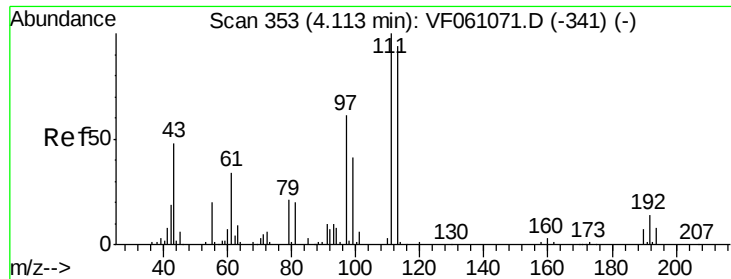
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#36
 1,1-Dichloropropene
 Concen: 18.936 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81704		
110	29.7	16.1	48.2	
77	30.7	24.5	36.7	





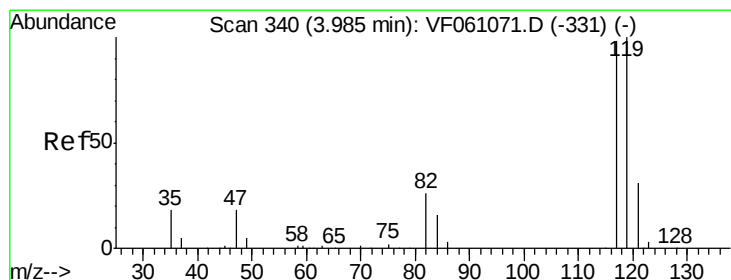
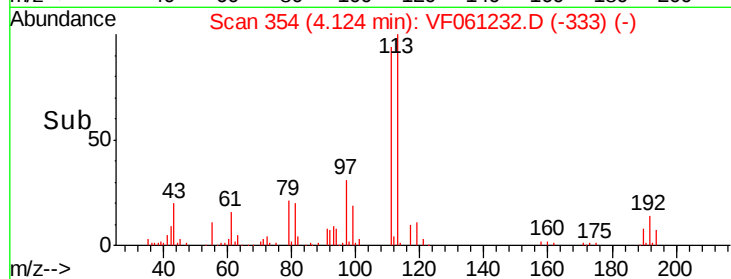
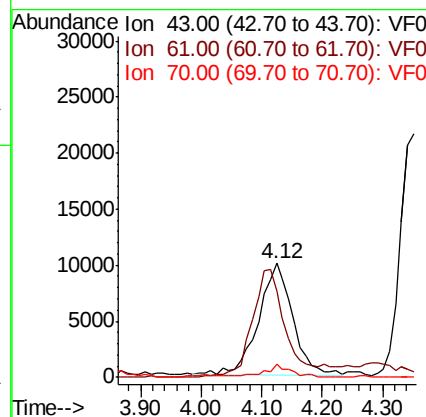
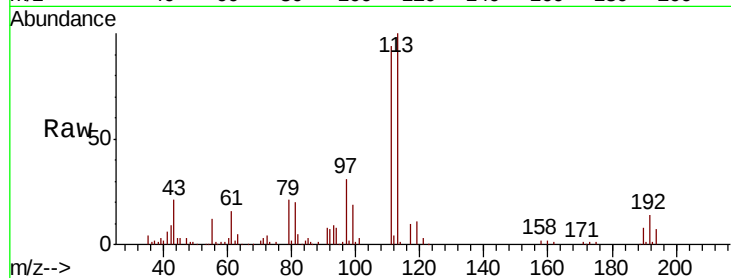
#37
Ethyl Acetate
Concen: 21.029 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	76.0	56.6	84.8	
70	11.3	6.3	9.5#	

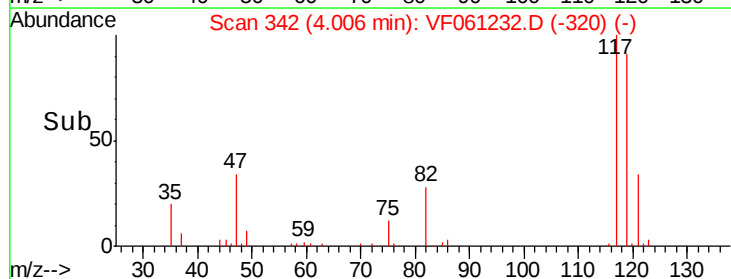
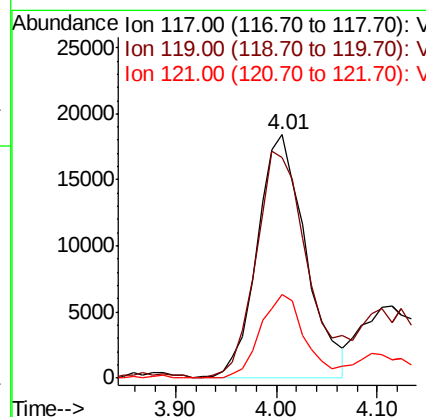
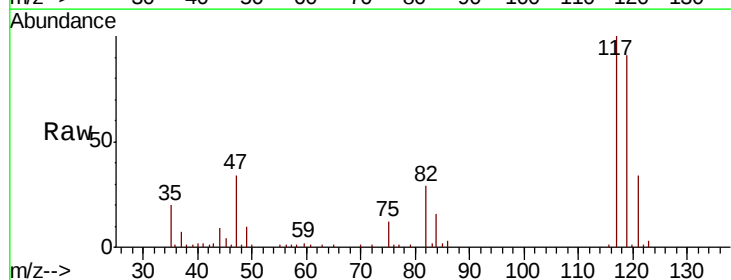
Manual Integrations
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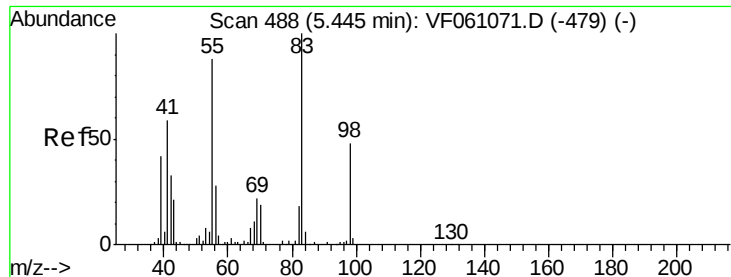
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#38
Carbon Tetrachloride
Concen: 18.880 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	90.7	82.1	123.1	
121	34.3	25.5	38.3	





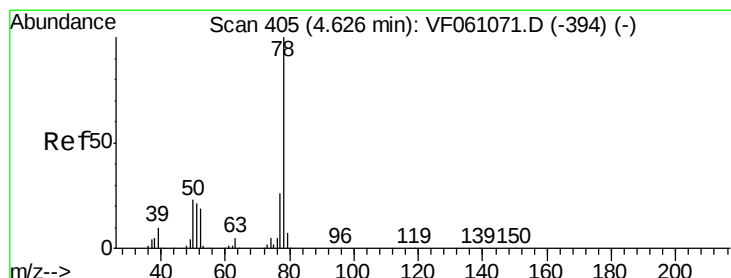
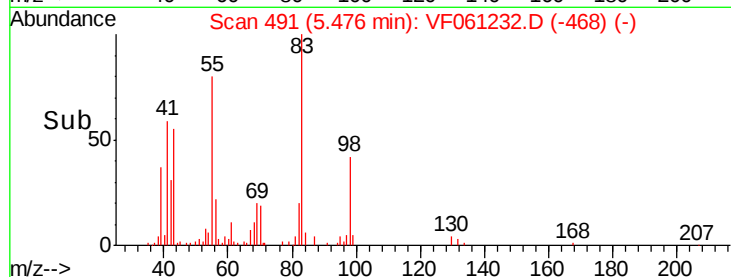
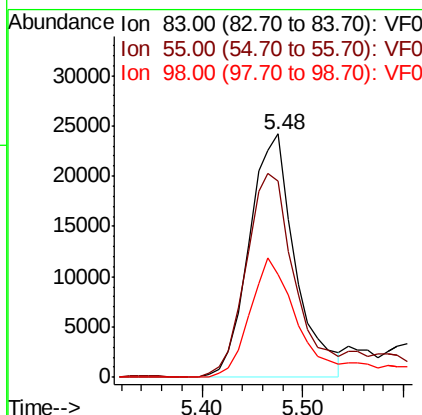
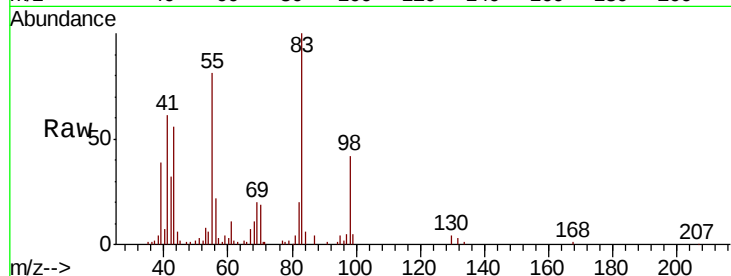
#39
Methvlcvclohexane
Concen: 19.804 ug/l
RT: 5.48 min Scan# 491
Delta R.T. 0.03 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	70.6	105.8
98	42.3	38.5	57.7

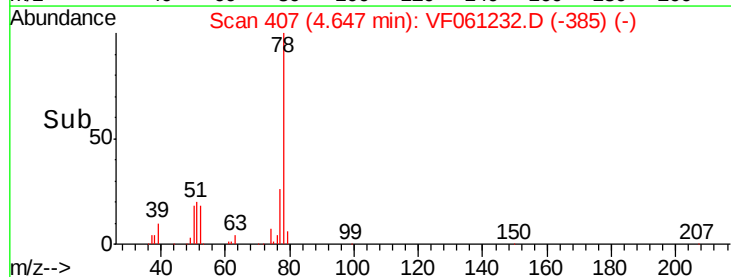
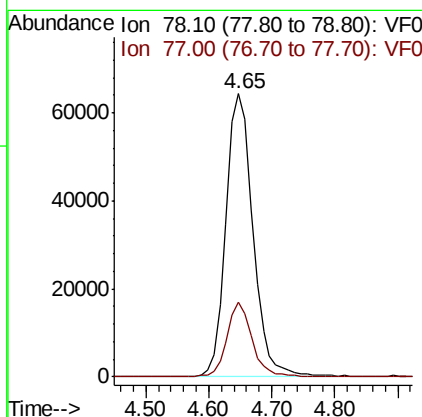
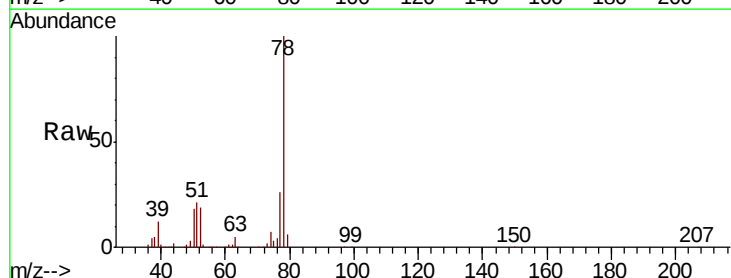
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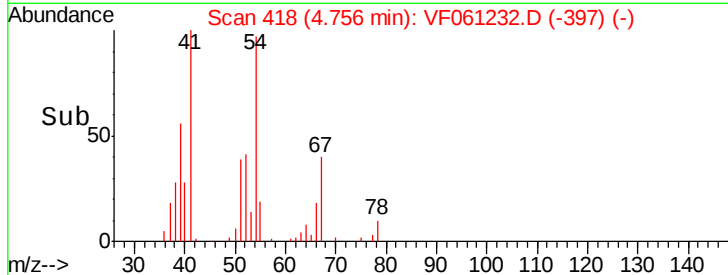
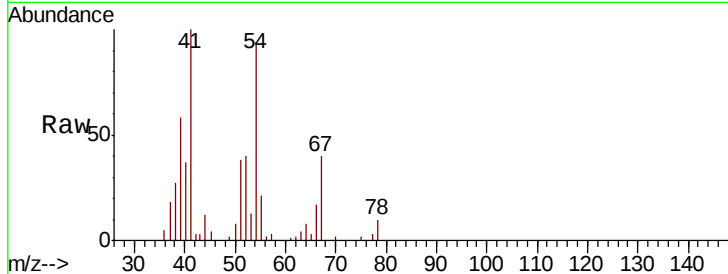
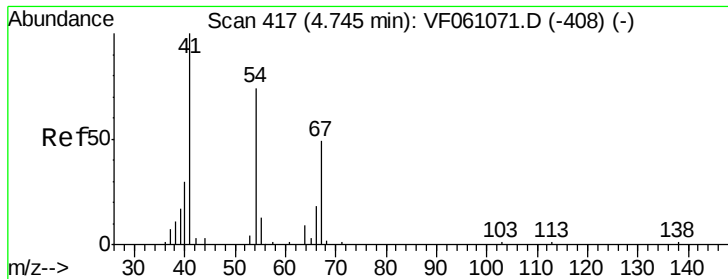
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#40
Benzene
Concen: 20.676 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.3	20.7	31.1





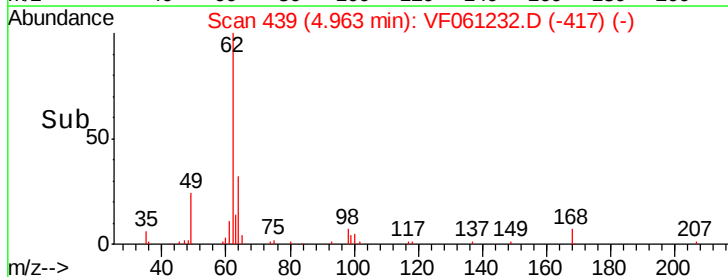
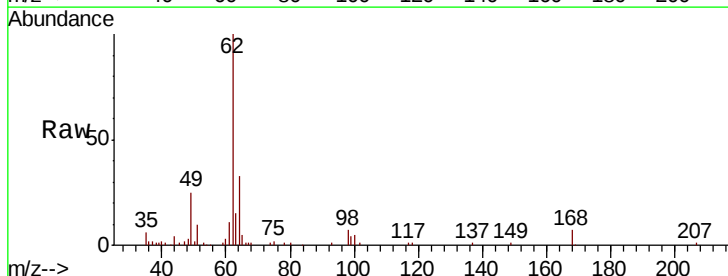
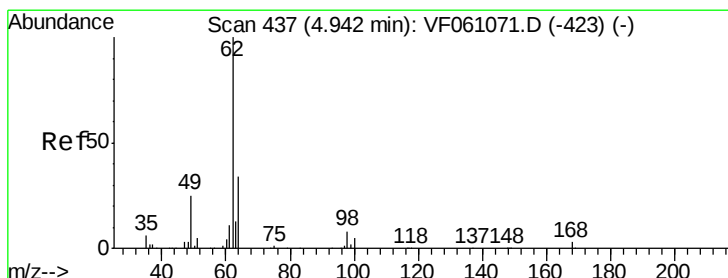
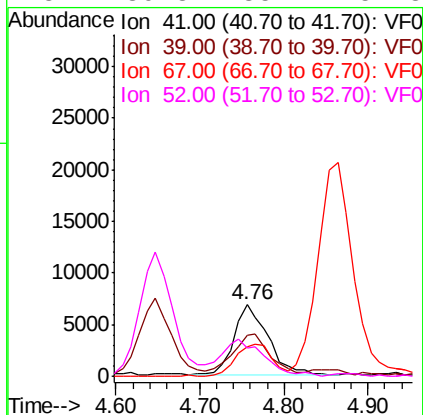
#41
Methacrylonitrile
Concen: 21.262 ug/l
RT: 4.76 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		19374		
39	57.6	45.7	68.5		
67	40.4	38.9	58.3		
52	39.8	35.2	52.8		

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

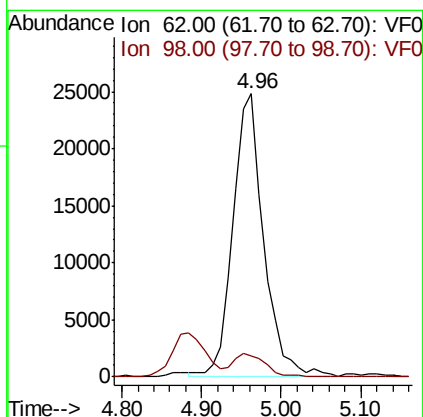
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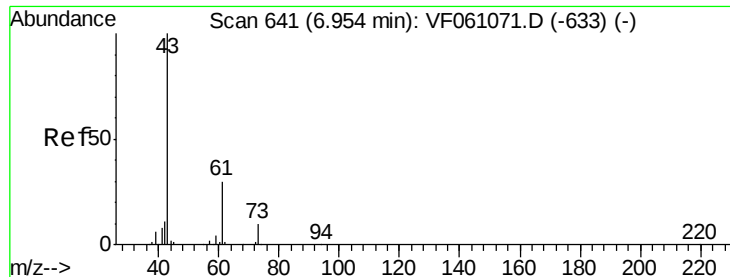
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#42
1,2-Dichloroethane
Concen: 19.012 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67014		
98	7.2	0.0	16.6		





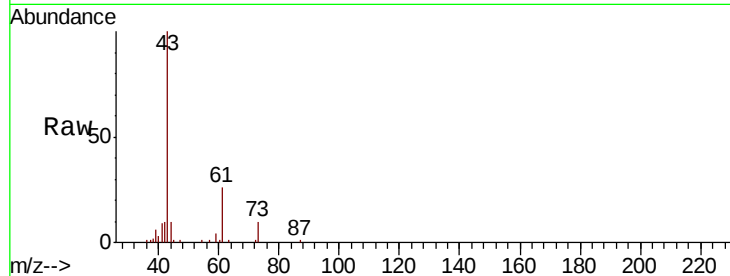
#43
Isopropyl Acetate
Concen: 21.764 ug/l
RT: 6.98 min Scan# 643
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	23.8	35.8
87	0.6	0.0	0.0#

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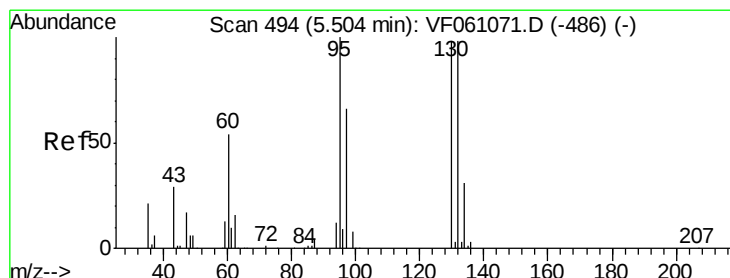
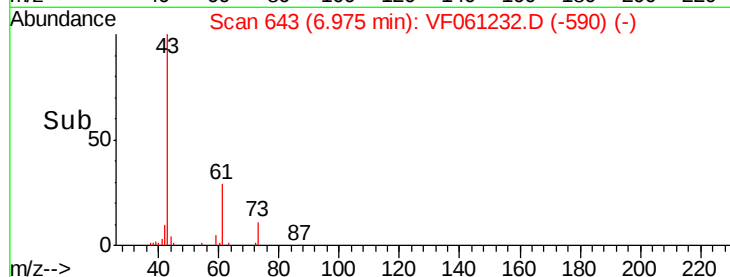
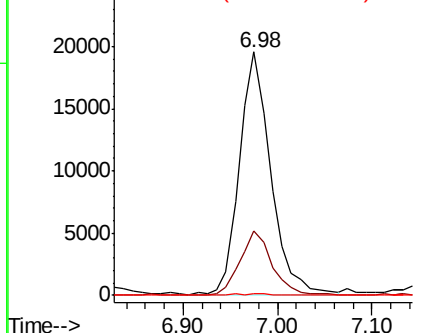


Abundance

Ion 43.00 (42.70 to 43.70): VF0

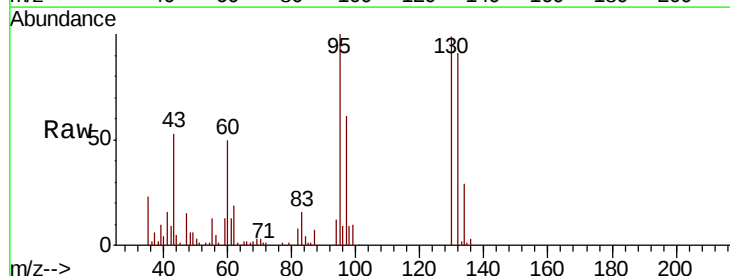
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44
Trichloroethene
Concen: 20.870 ug/l
RT: 5.52 min Scan# 495
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

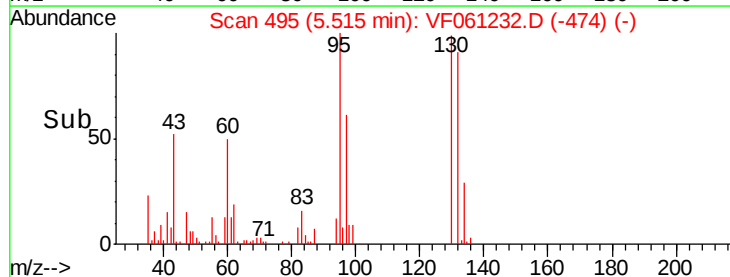
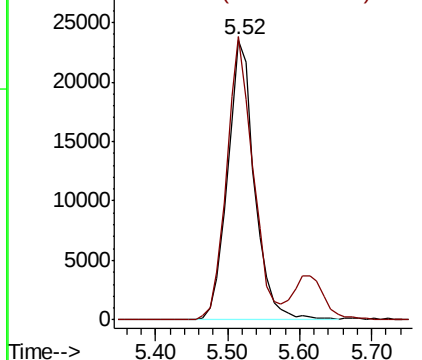
Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.2

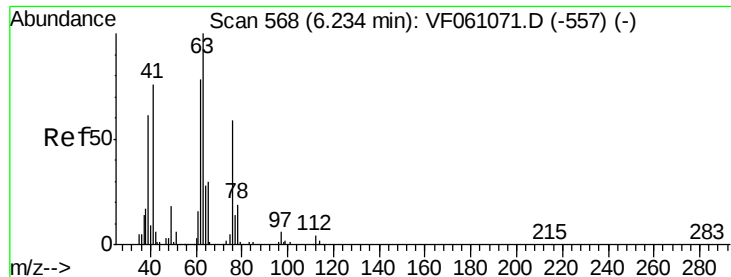


Abundance

Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 18.961 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 63 Resp: 47866

Ion Ratio Lower Upper

63 100

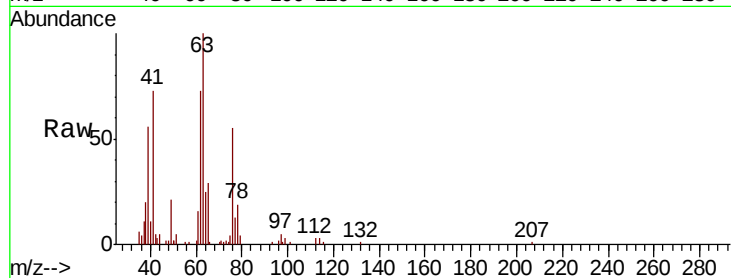
65 28.5 24.4 36.6

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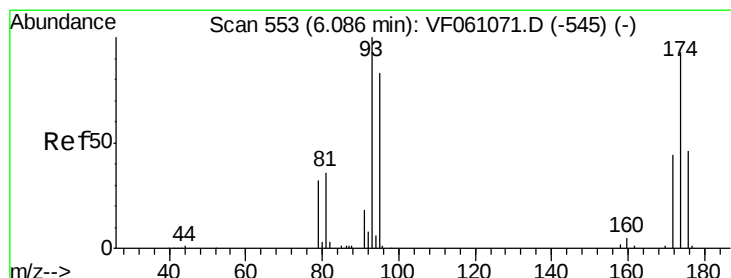
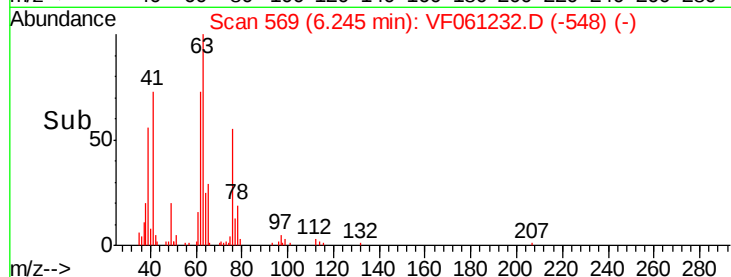
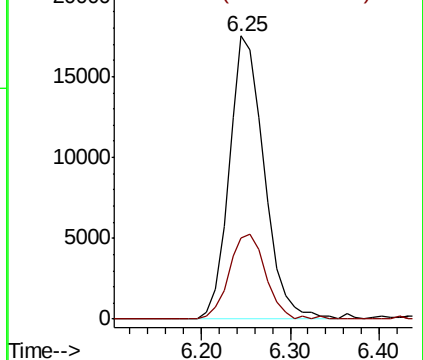
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.209 ug/l

RT: 6.10 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

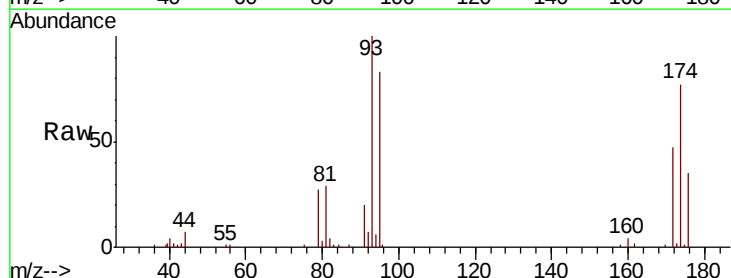
Tgt Ion: 93 Resp: 33089

Ion Ratio Lower Upper

93 100

95 83.4 66.9 100.3

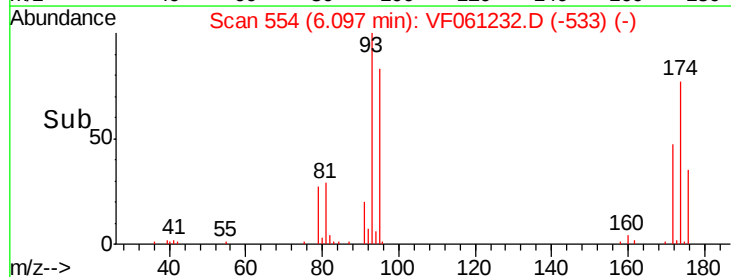
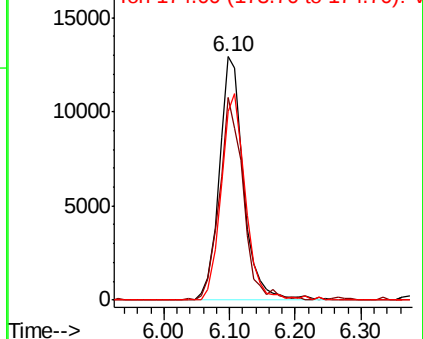
174 77.3 74.1 111.1

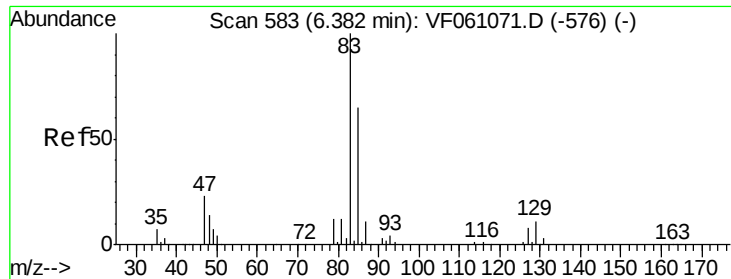


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.543 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

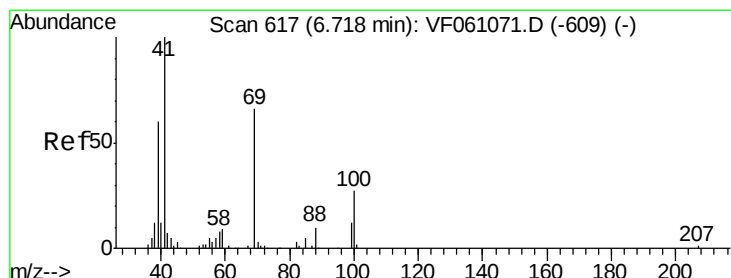
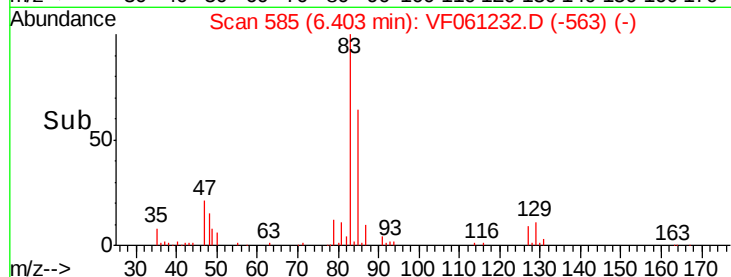
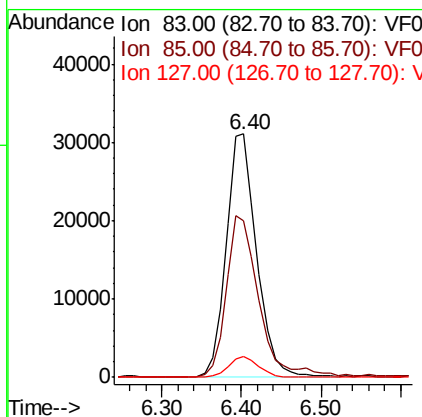
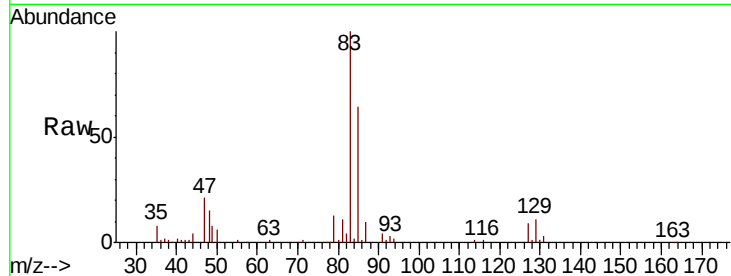
ClientSampleId :

VF1228SBS02

Tot Ion:	83	Resp:	83137
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4
127	8.6	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.395 ug/l

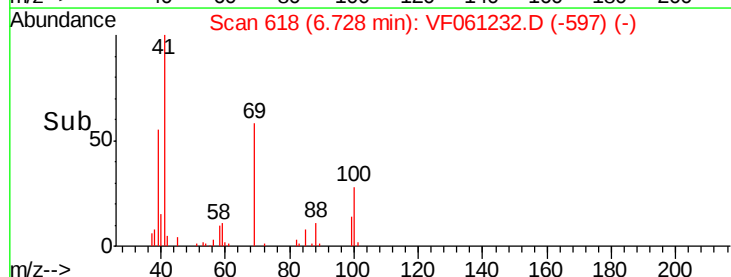
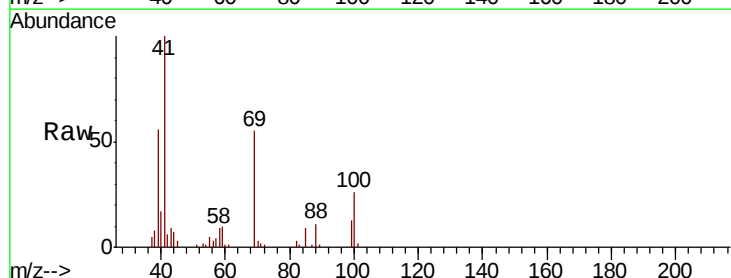
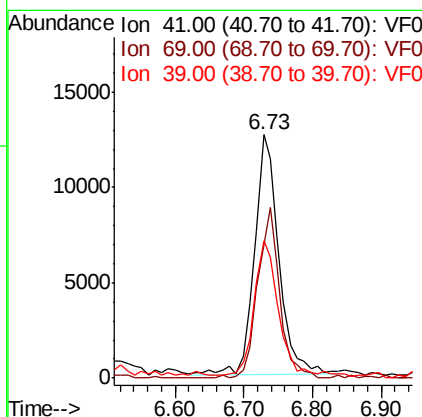
RT: 6.73 min Scan# 618

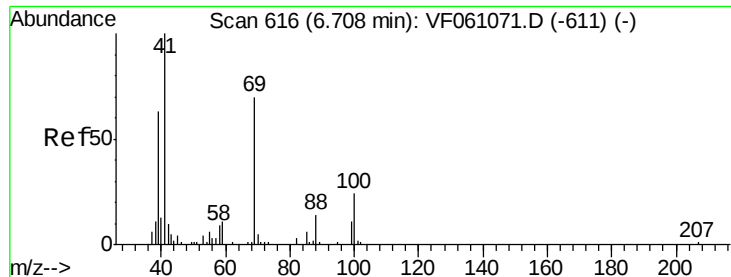
Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	41	Resp:	31117
Ion	Ratio	Lower	Upper
41	100		
69	54.9	52.7	79.1
39	56.2	47.8	71.6





#49

1,4-Dioxane

Concen: 421.018 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

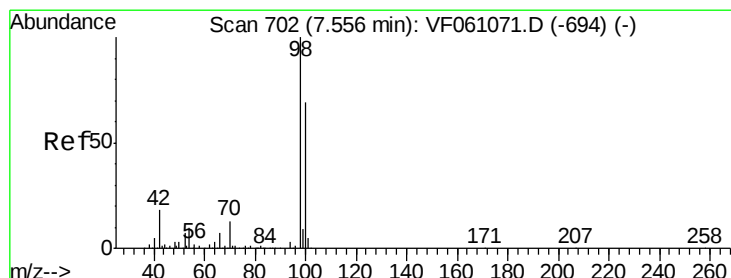
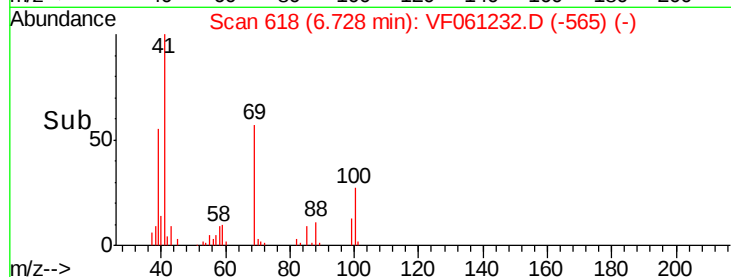
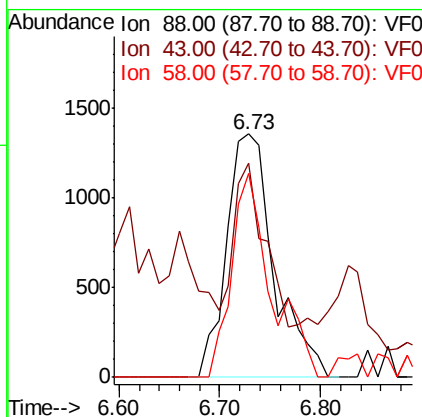
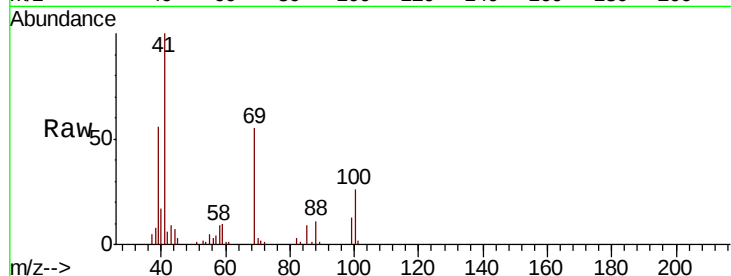
ClientSampleId :

VF1228SBS02

Tot Ion:	88	Resp:	4443
Ion	Ratio	Lower	Upper
88	100		
43	88.1	33.3	49.9#
58	83.7	53.2	79.8#

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#50

Toluene-d8

Concen: 48.720 ug/l

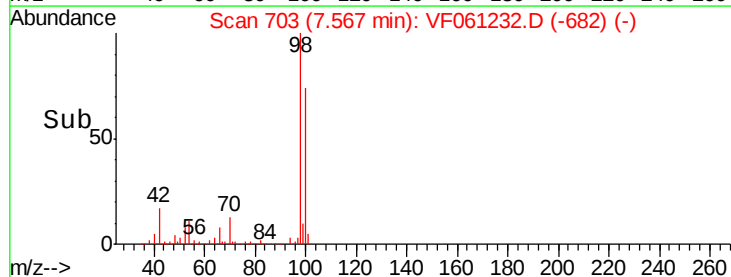
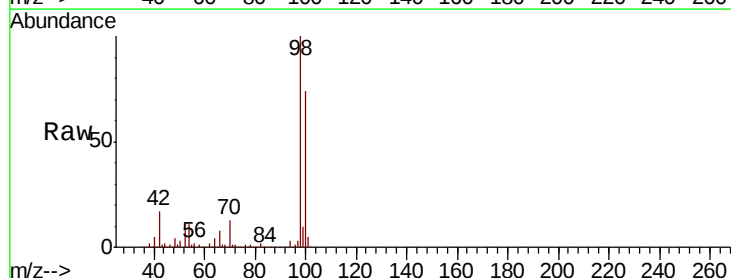
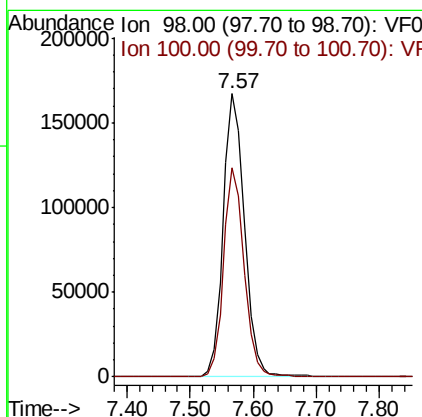
RT: 7.57 min Scan# 703

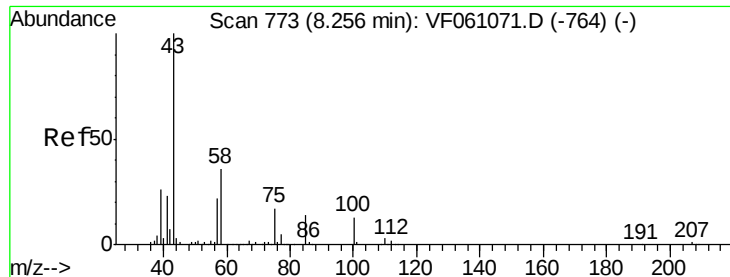
Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	98	Resp:	395332
Ion	Ratio	Lower	Upper
98	100		
100	74.0	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 110.729 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 43 Resp: 158209

Ion Ratio Lower Upper

43 100

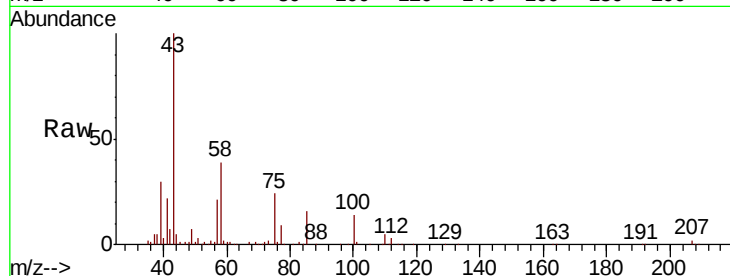
58 38.6 29.1 43.7

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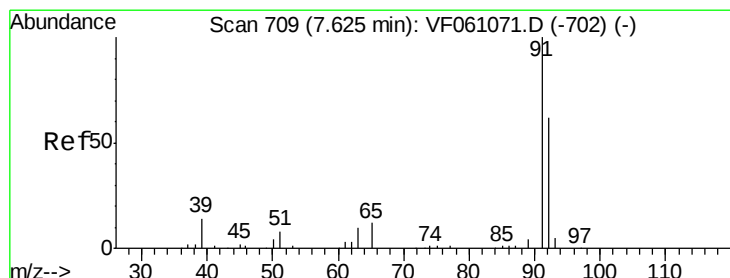
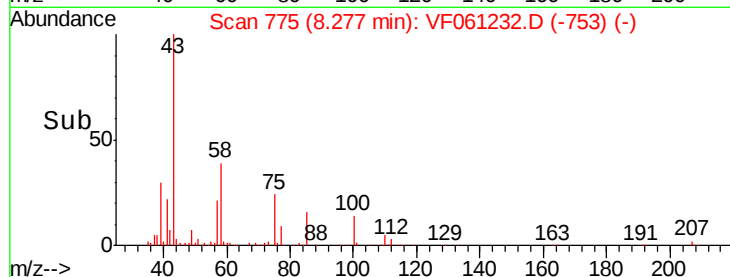
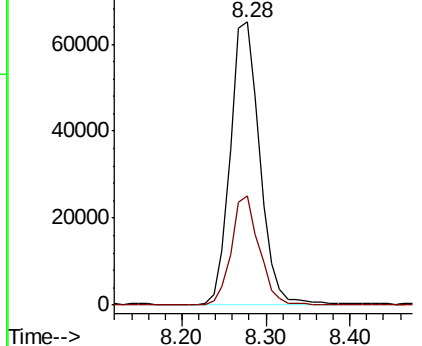
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.179 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061232.D

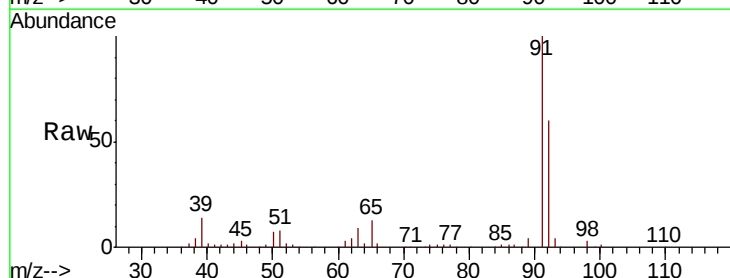
Acq: 28 Dec 2018 13:25

Tgt Ion: 92 Resp: 117800

Ion Ratio Lower Upper

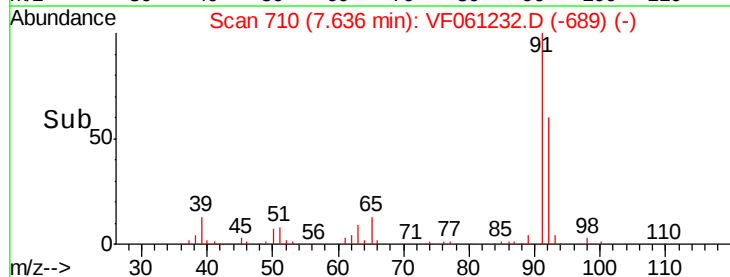
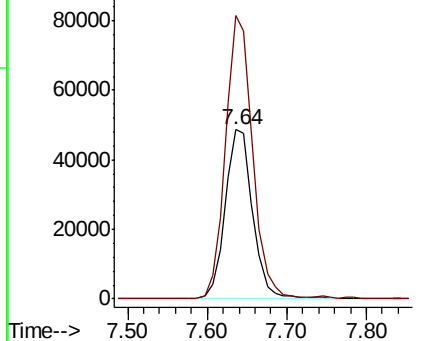
92 100

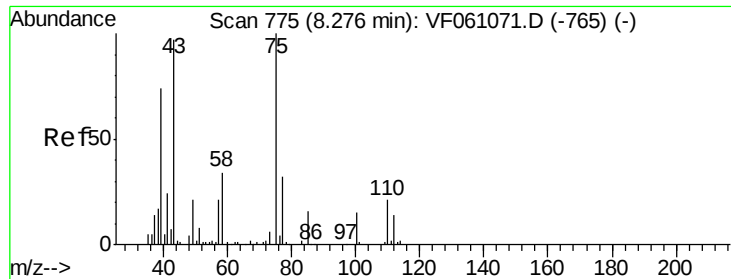
91 167.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





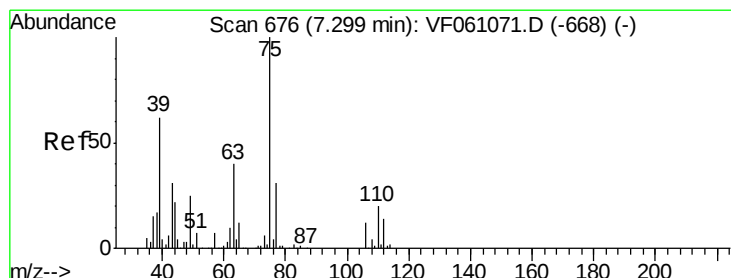
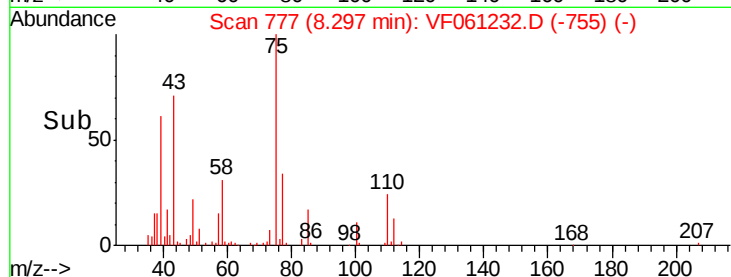
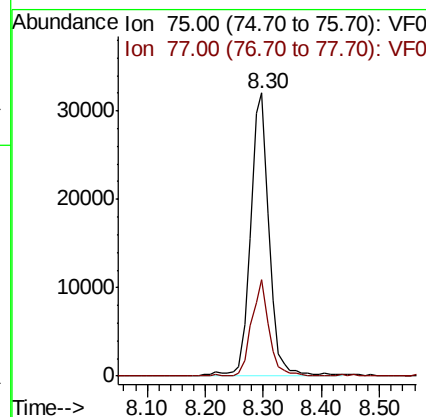
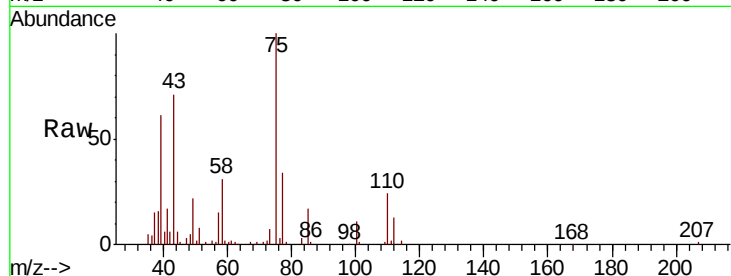
#53
t-1,3-Dichloropropene
Concen: 20.761 ug/l
RT: 8.30 min Scan# 777
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.8	38.8

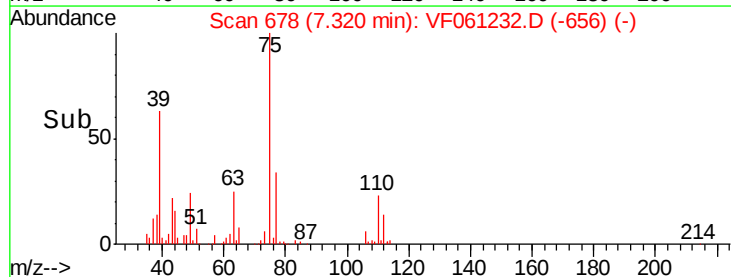
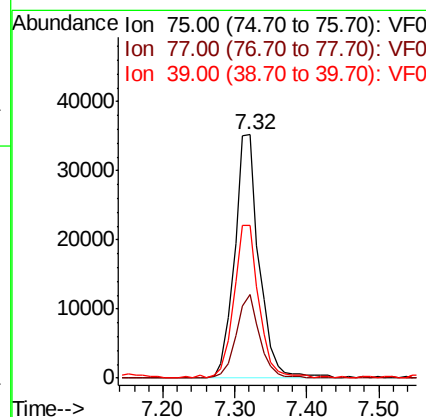
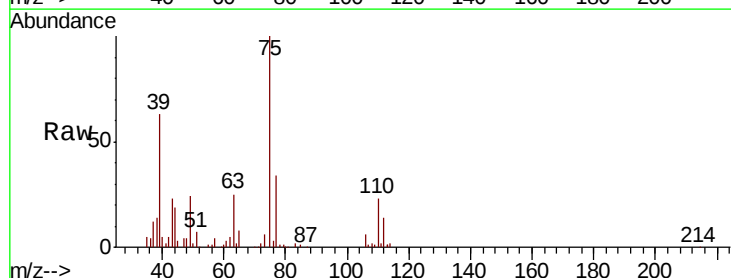
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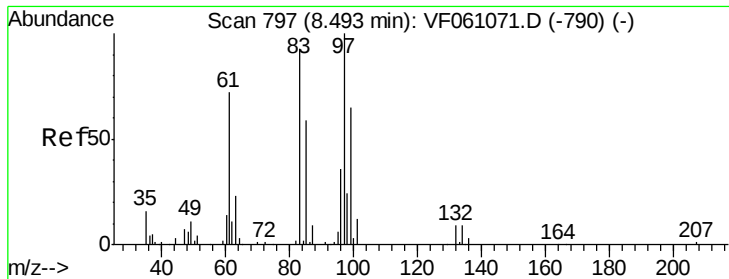
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#54
cis-1,3-Dichloropropene
Concen: 19.402 ug/l
RT: 7.32 min Scan# 678
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.0	37.4
39	62.9	50.1	75.1





#55

1,1,2-Trichloroethane

Concen: 20.895 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

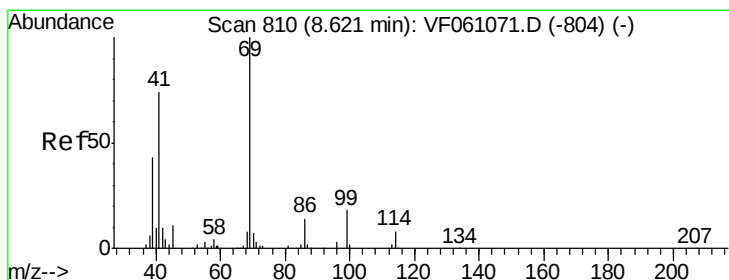
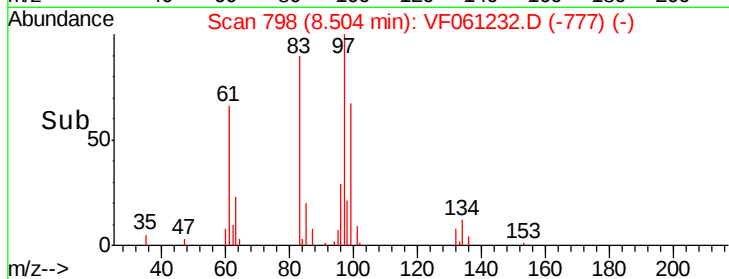
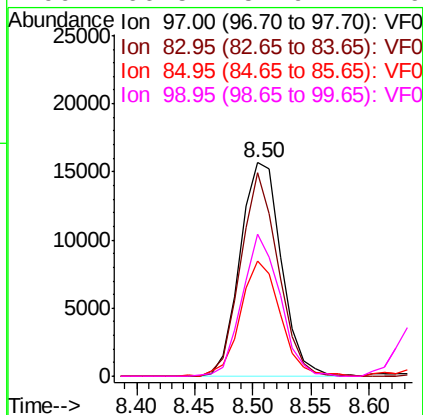
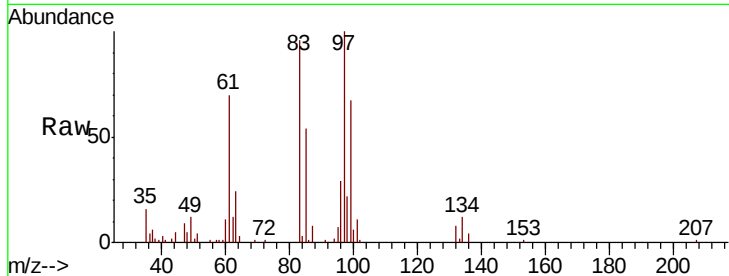
ClientSampleId :

VF1228SBS02

Tot Ion:	97	Resp:	38474
Ion	Ratio	Lower	Upper
97	100		
83	95.6	75.0	112.4
85	54.2	47.5	71.3
99	66.5	51.9	77.9

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#56

Ethyl methacrylate

Concen: 19.910 ug/l

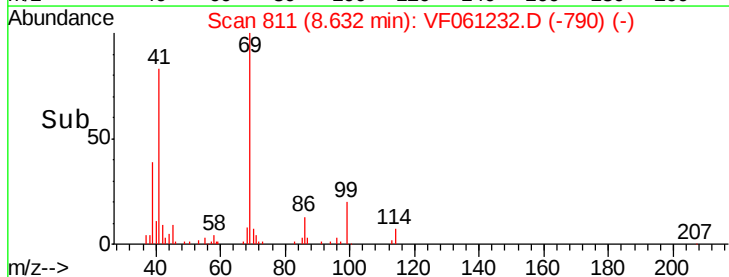
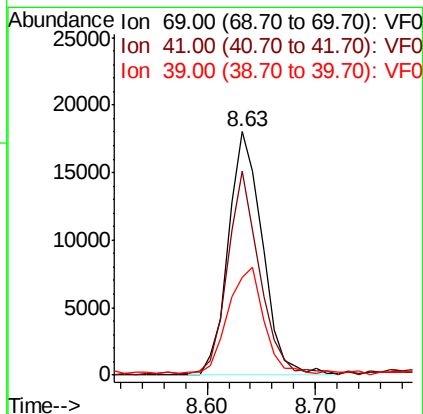
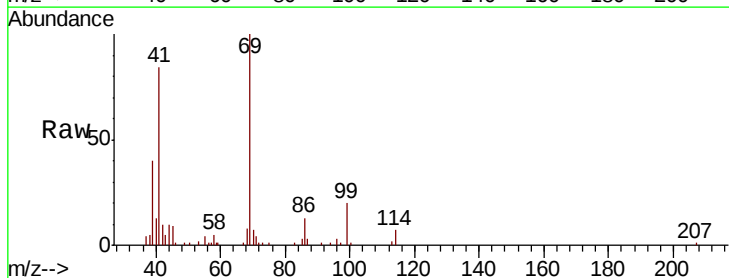
RT: 8.63 min Scan# 811

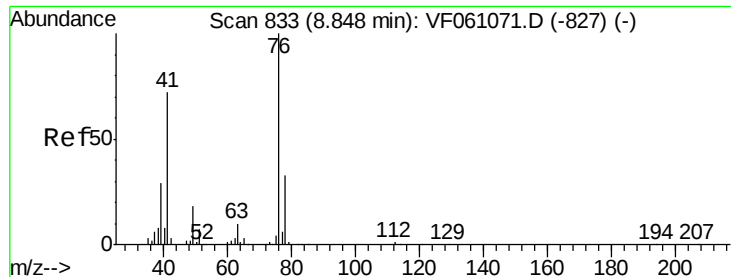
Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	69	Resp:	39668
Ion	Ratio	Lower	Upper
69	100		
41	83.7	59.7	89.5
39	39.9	35.0	52.6





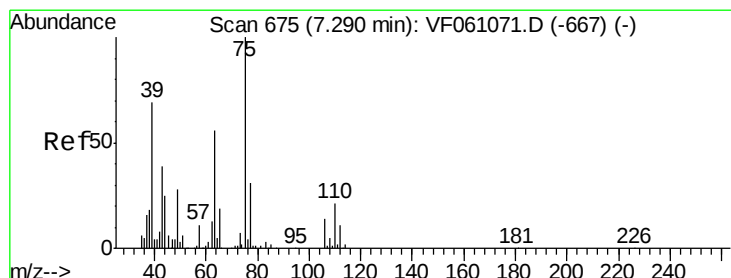
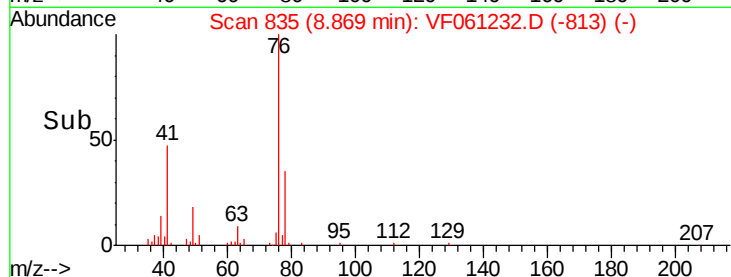
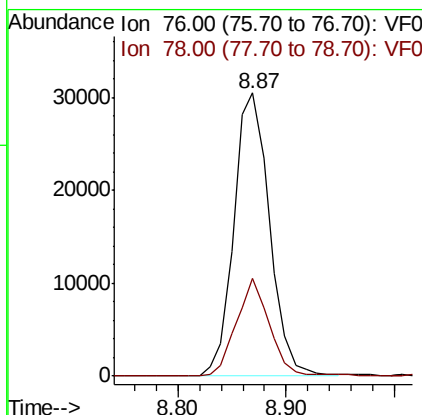
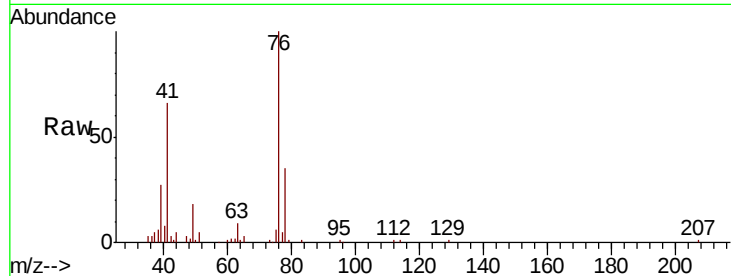
#57
 1,3-Dichloropropane
 Concen: 20.999 ug/l
 RT: 8.87 min Scan# 835
 Delta R.T. 0.02 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Tot Ion: 76 Resp: 69932
 Ion Ratio Lower Upper
 76 100
 78 34.5 26.5 39.7

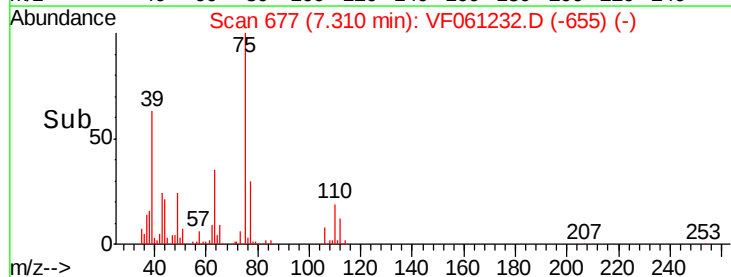
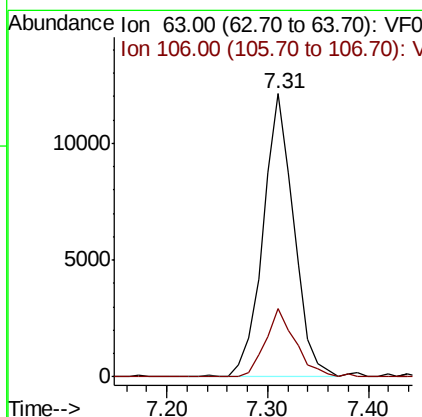
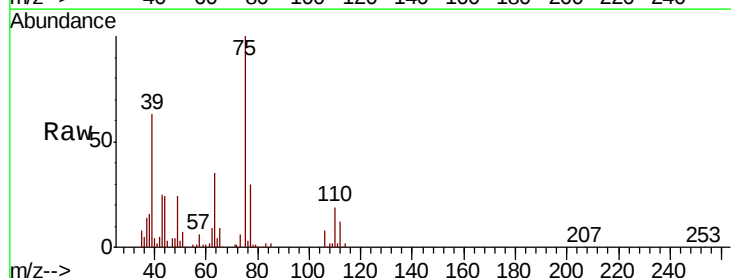
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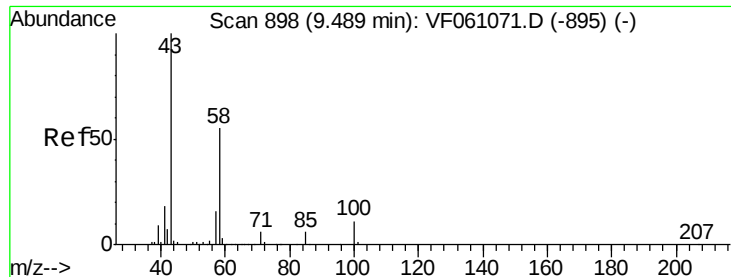
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 67.037 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. 0.02 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Tgt Ion: 63 Resp: 25652
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.8 29.8





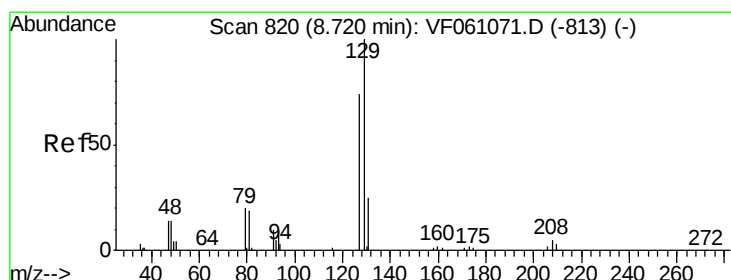
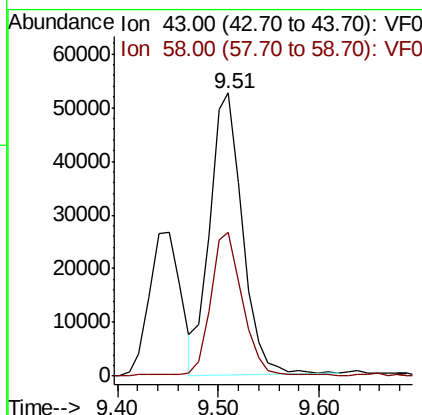
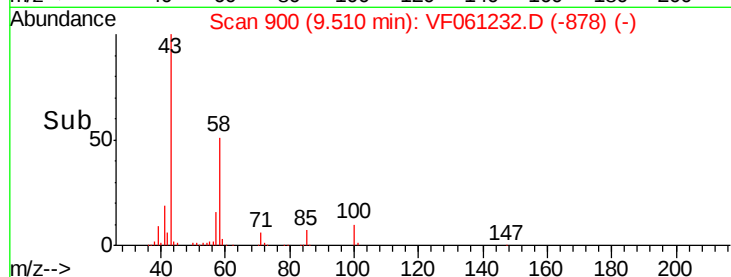
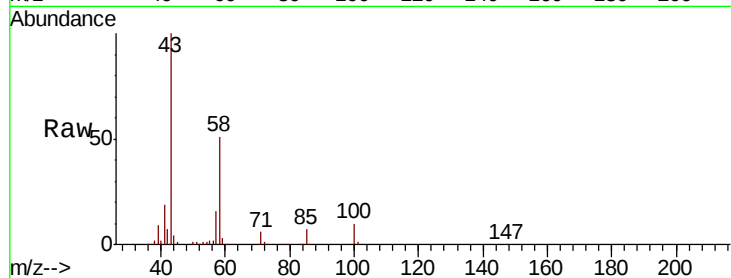
#59
2-Hexanone
Concen: 114.145 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion: 43 Resp: 117943
Ion Ratio Lower Upper
43 100
58 50.9 25.1 75.2

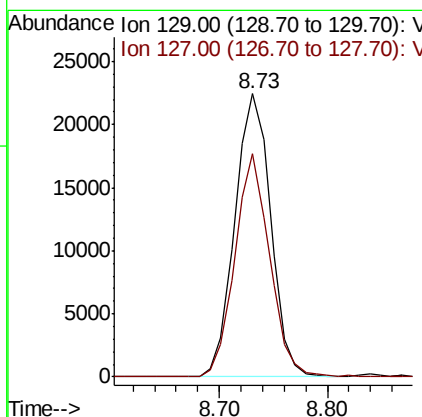
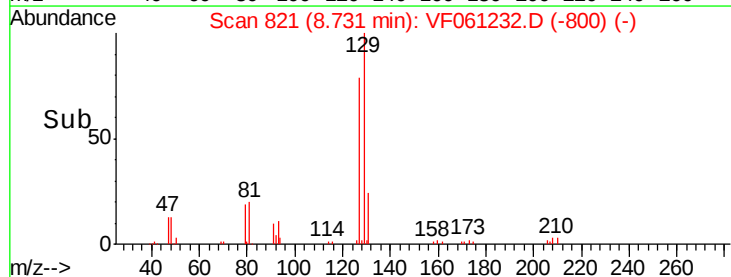
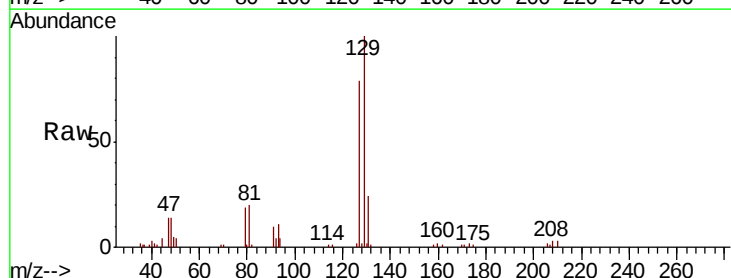
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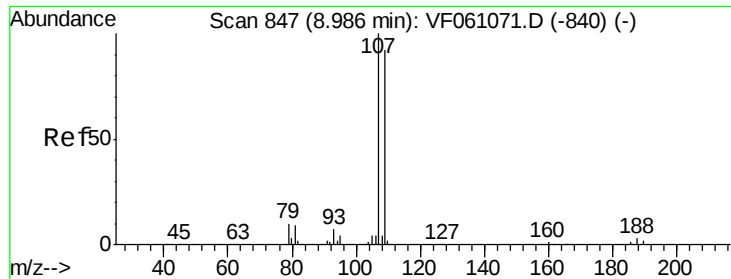
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#60
Dibromochloromethane
Concen: 19.624 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion: 129 Resp: 51797
Ion Ratio Lower Upper
129 100
127 78.9 36.8 110.3





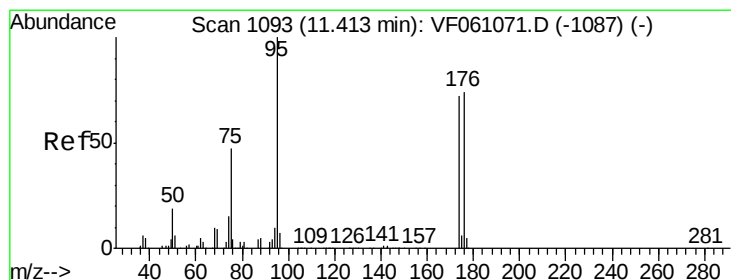
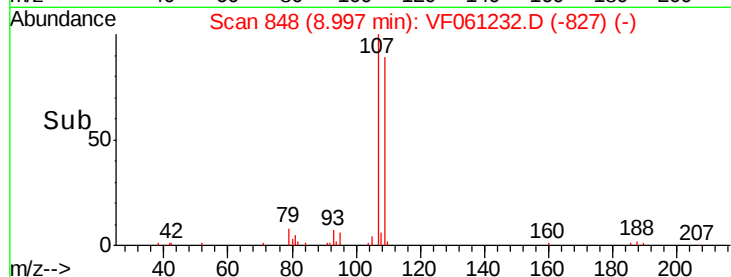
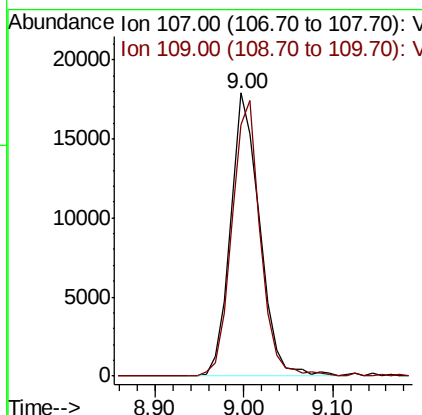
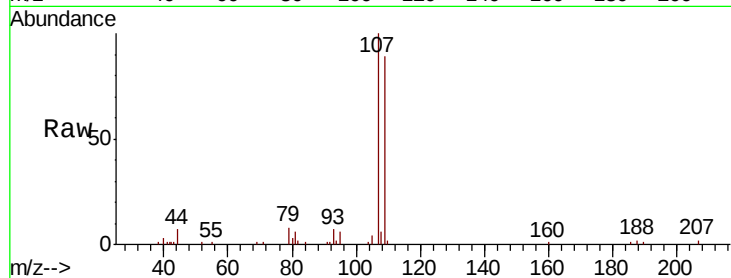
#61
 1,2-Dibromoethane
 Concen: 20.998 ug/l
 RT: 9.00 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.9	73.7	110.5

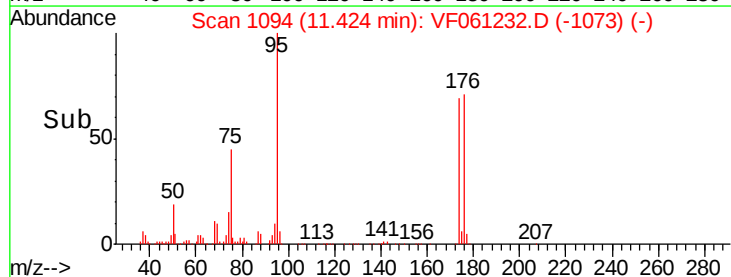
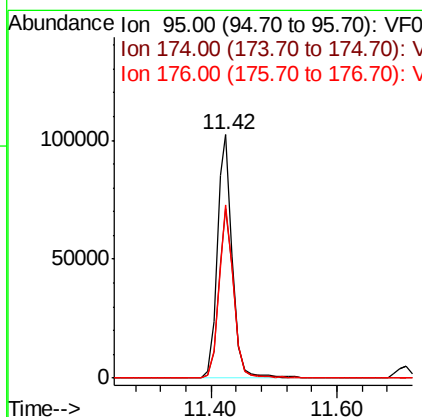
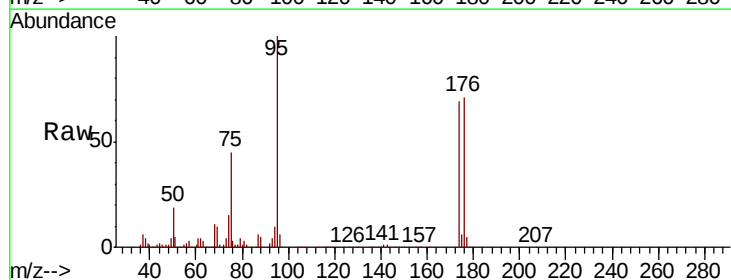
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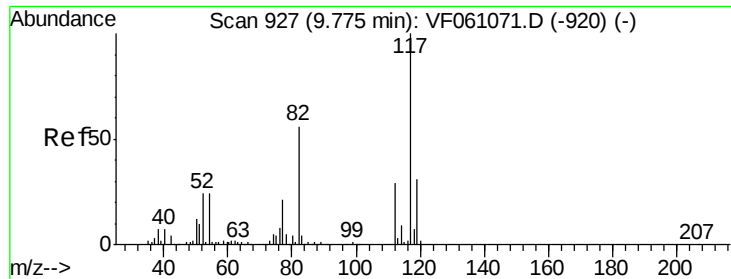
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 46.091 ug/l
 RT: 11.42 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	143.8
176	70.9	0.0	147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

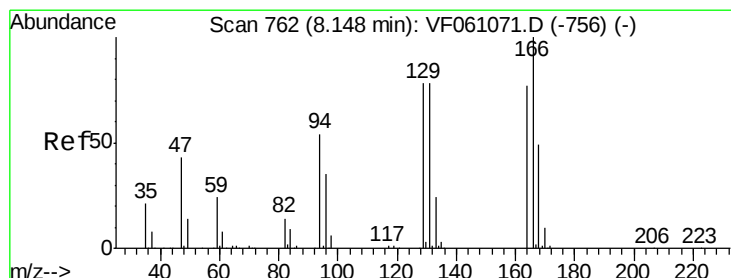
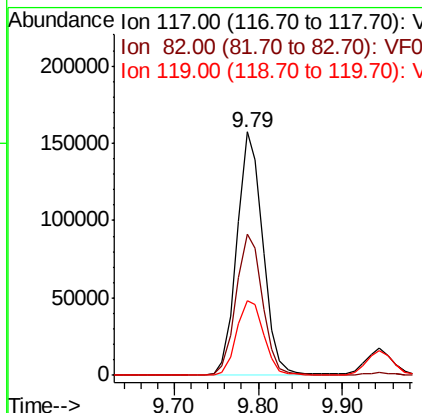
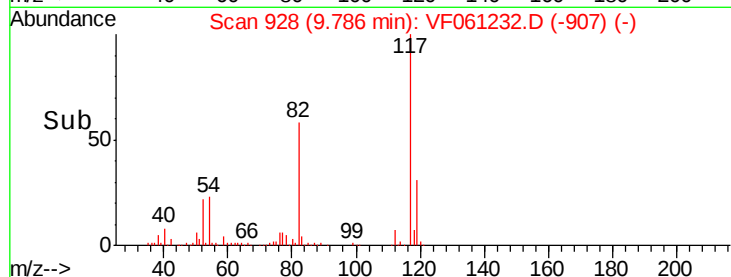
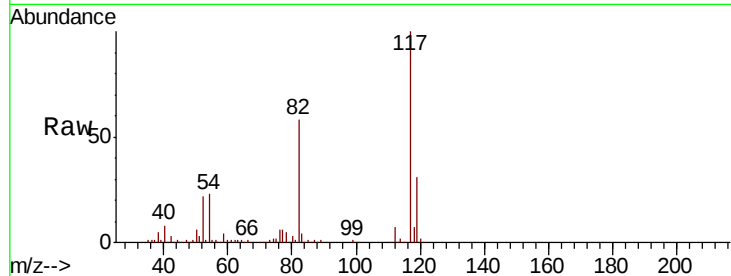
ClientSampleId :

VF1228SBS02

Tot Ion:	117	Resp:	338602
Ion Ratio	Lower	Upper	
117	100		
82	58.0	45.0	67.4
119	30.6	24.8	37.2

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#64

Tetrachloroethene

Concen: 18.367 ug/l

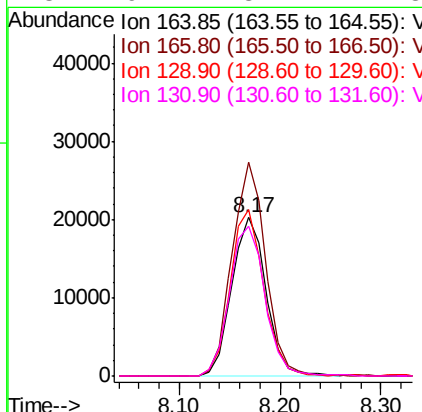
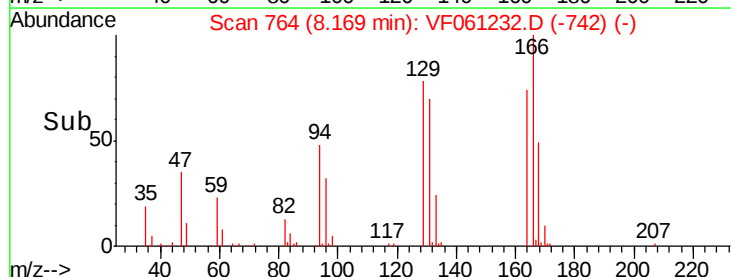
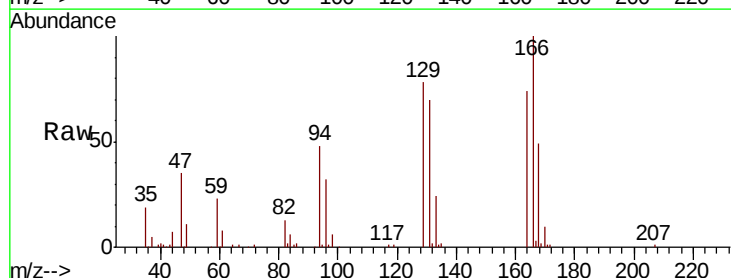
RT: 8.17 min Scan# 764

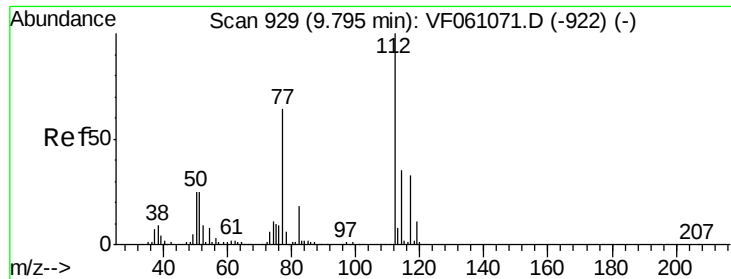
Delta R.T. 0.02 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	164	Resp:	47841
Ion Ratio	Lower	Upper	
164	100		
166	135.1	104.0	156.0
129	104.9	81.1	121.7
131	94.7	81.2	121.8





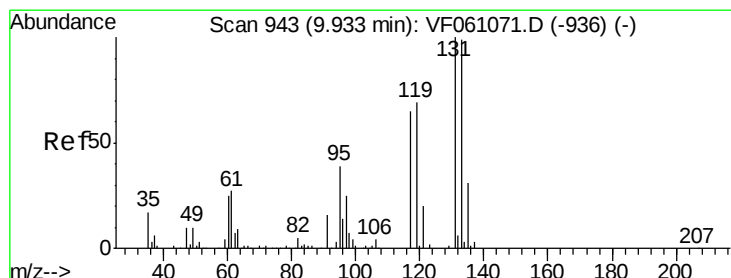
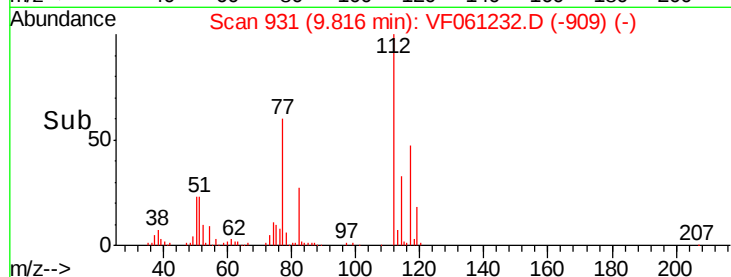
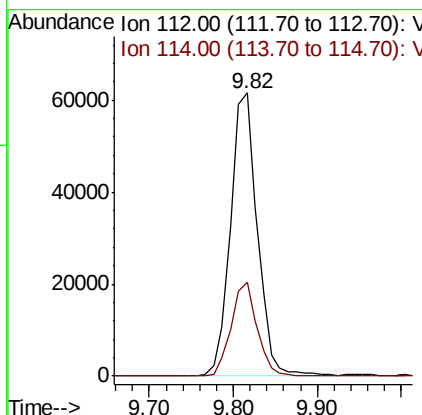
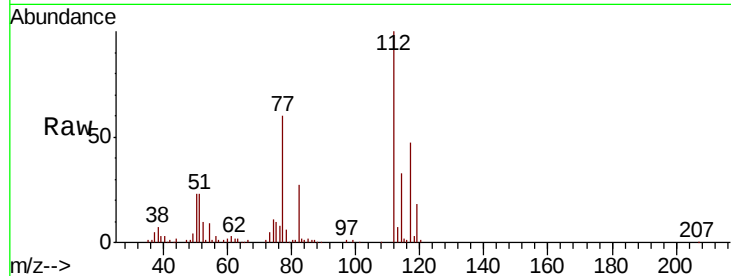
#65
Chlorobenzene
Concen: 19.566 ug/l
RT: 9.82 min Scan# 931
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion:112 Resp: 136867
Ion Ratio Lower Upper
112 100
114 33.3 27.8 41.6

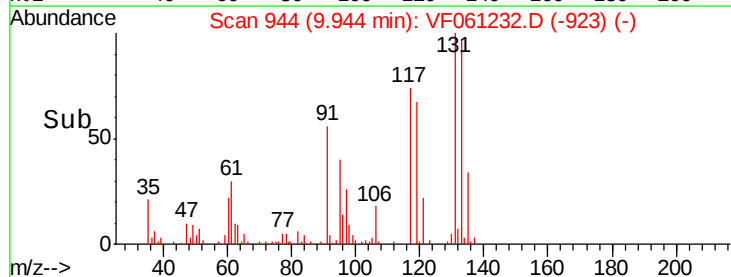
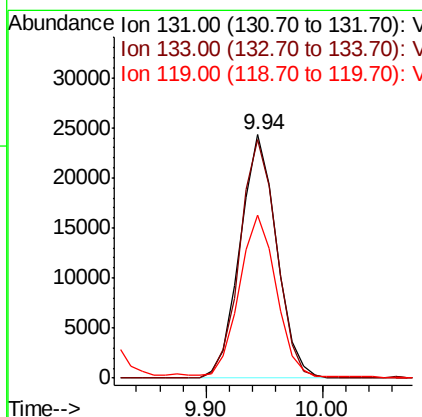
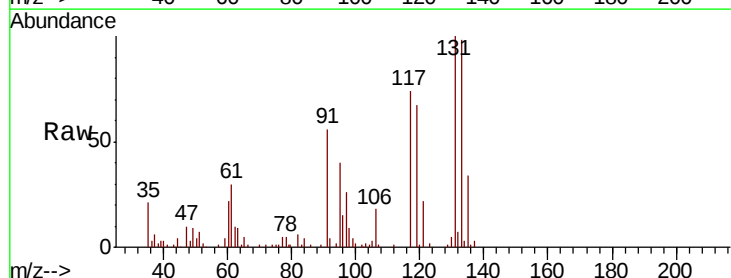
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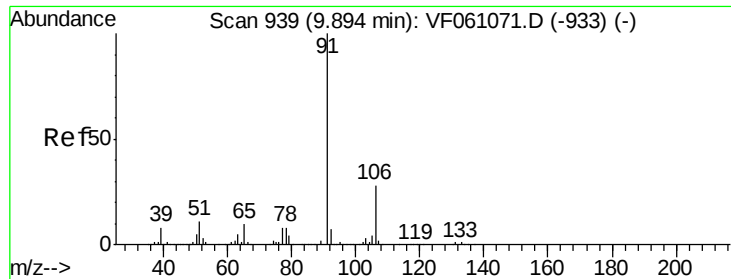
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.561 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion:131 Resp: 53058
Ion Ratio Lower Upper
131 100
133 98.0 49.5 148.7
119 67.2 34.5 103.5





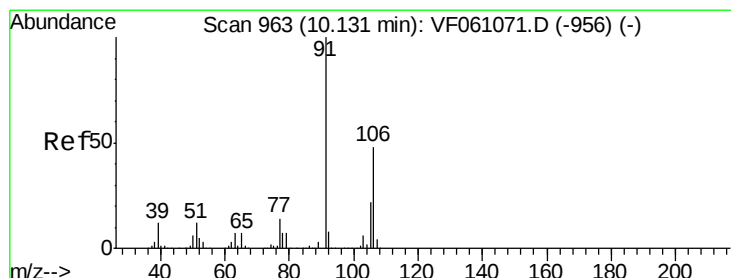
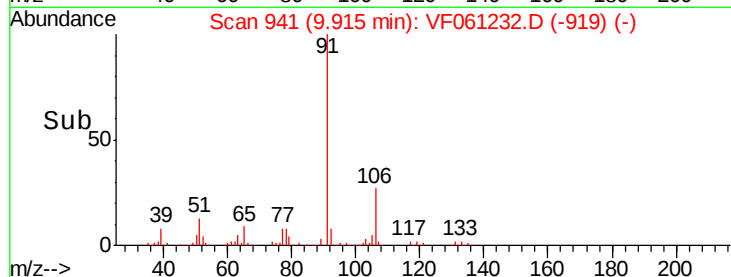
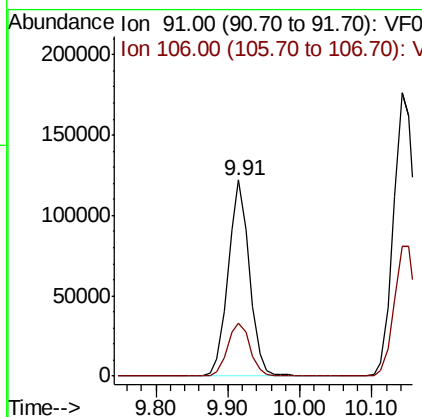
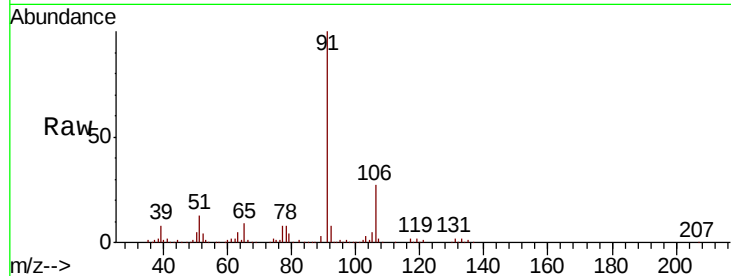
#67
Ethyl Benzene
Concen: 19.624 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion: 91 Resp: 250078
Ion Ratio Lower Upper
91 100
106 27.3 22.5 33.7

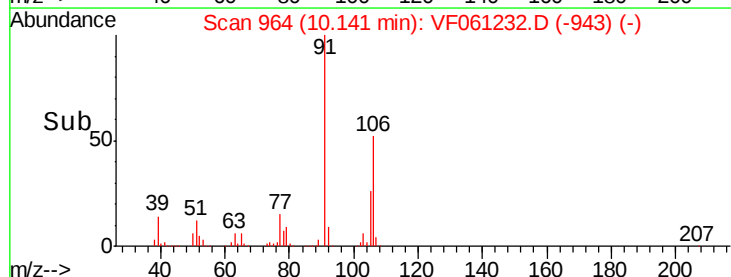
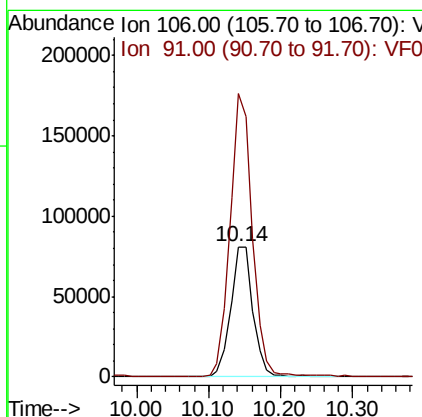
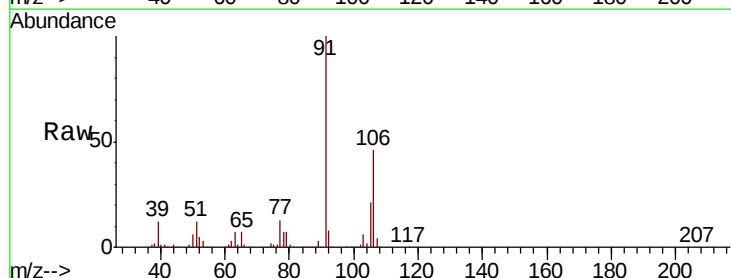
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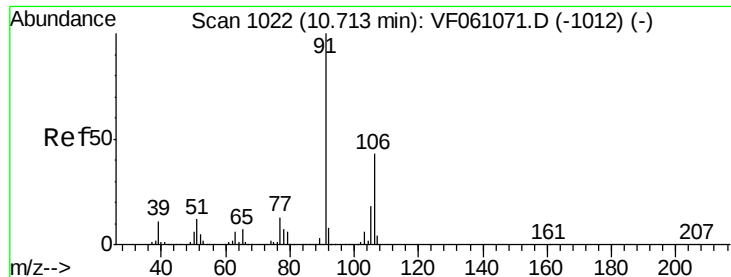
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#68
m/p-Xylenes
Concen: 39.245 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion: 106 Resp: 176006
Ion Ratio Lower Upper
106 100
91 217.3 168.2 252.2





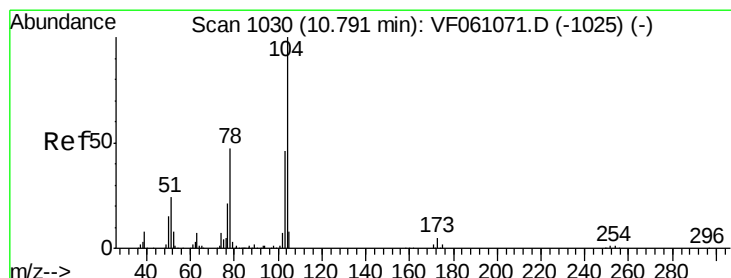
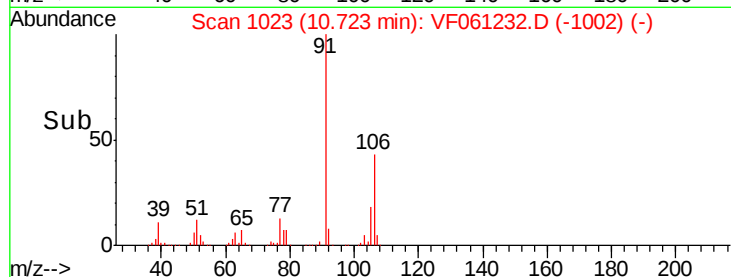
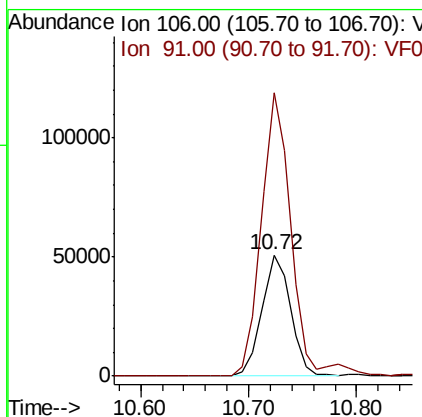
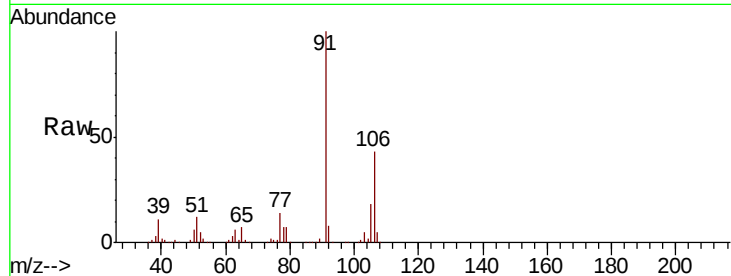
#69
o-Xylene
Concen: 18.996 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	233.7	115.9	347.7

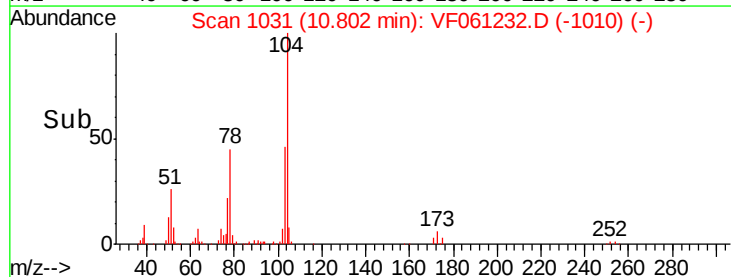
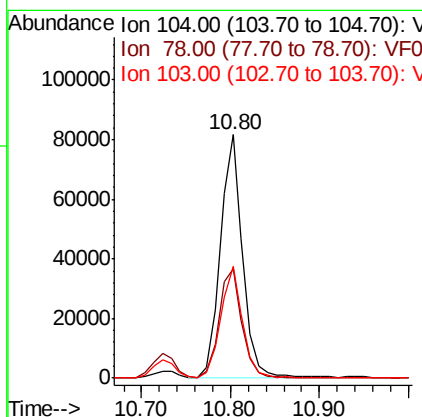
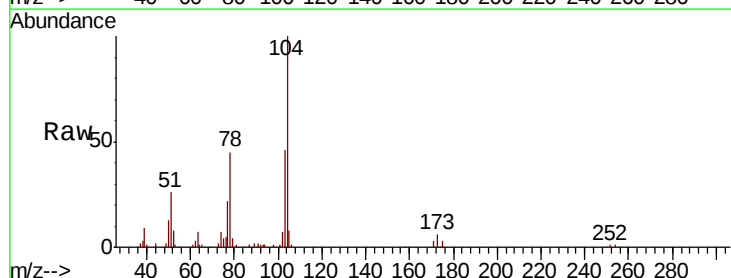
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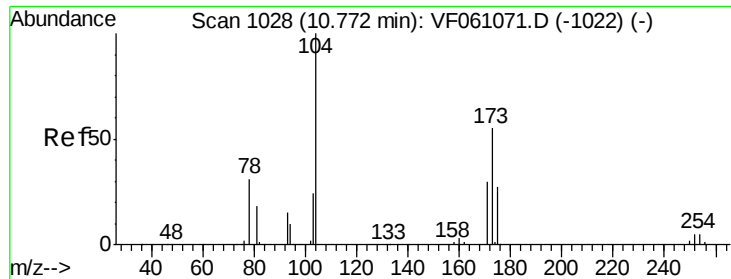
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#70
Styrene
Concen: 20.617 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.0	38.4	57.6
103	46.2	37.0	55.6





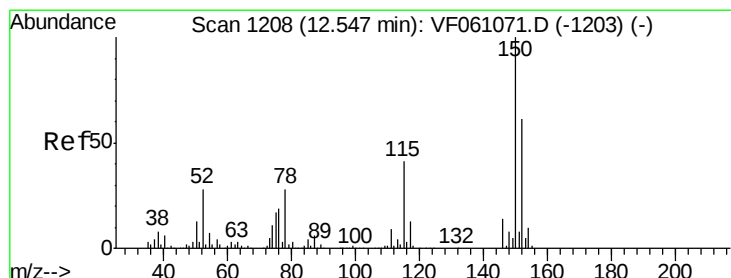
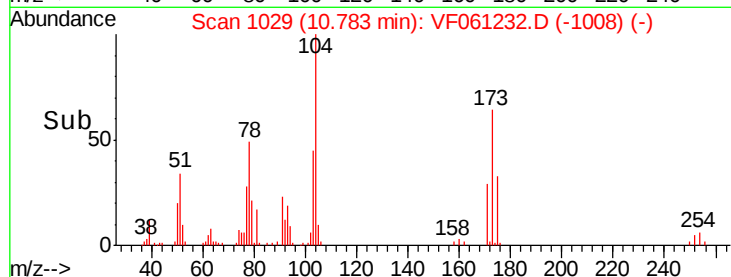
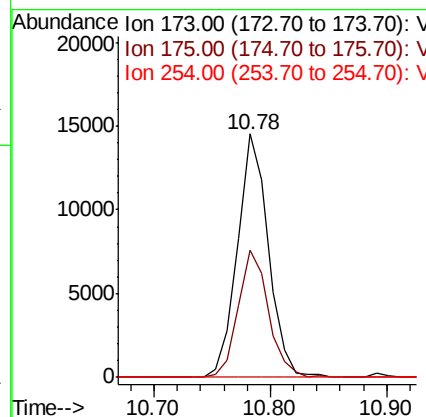
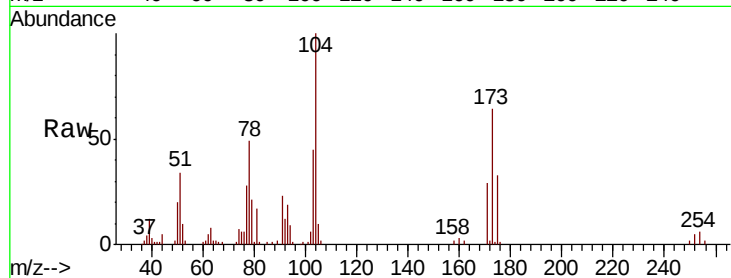
#71
Bromoform
Concen: 20.217 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.0	24.8	74.4
254	0.0	0.0	0.0

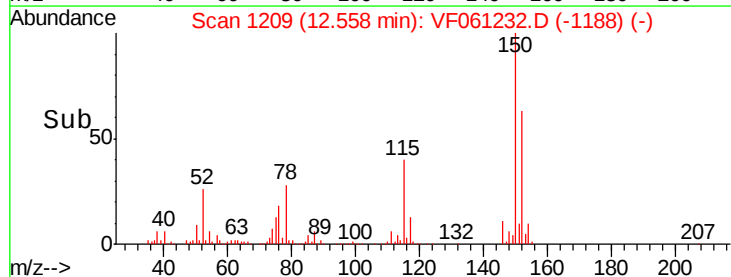
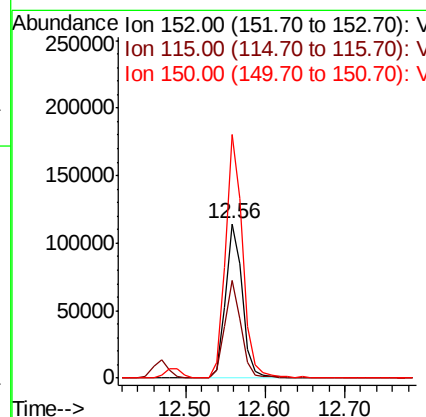
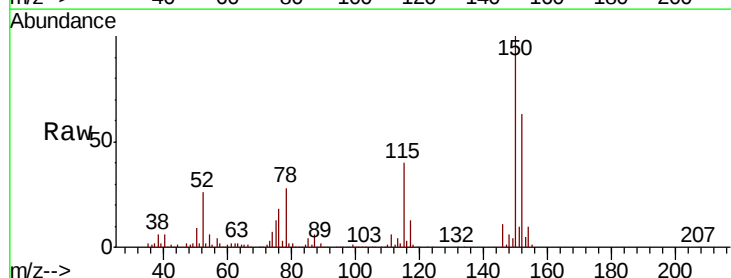
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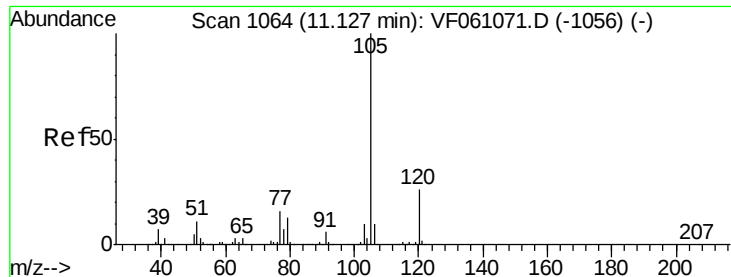
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	33.3	99.9
150	158.0	0.0	328.2





#73

Isopropylbenzene

Concen: 19.225 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 105 Resp: 284625

Ion Ratio Lower Upper

105 100

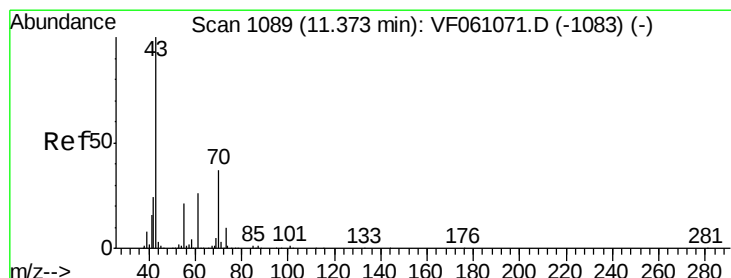
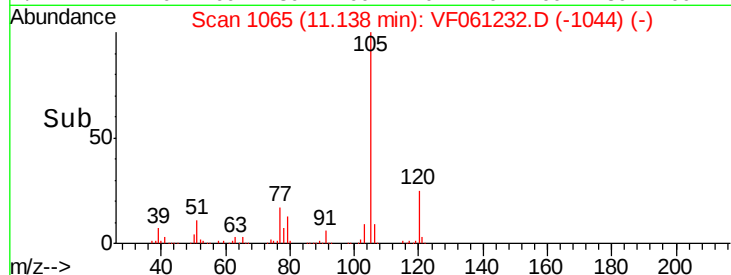
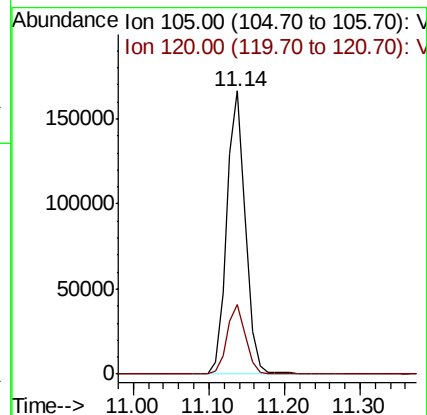
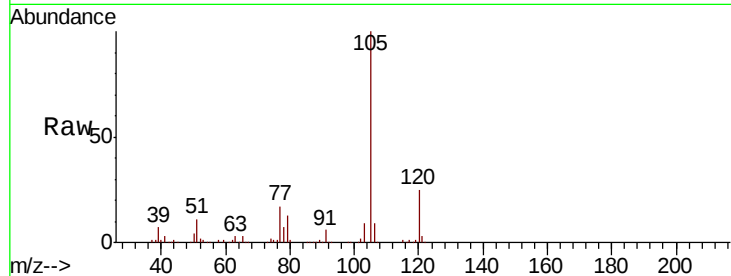
120 24.7 13.0 39.0

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#74

N-ethyl acetate

Concen: 21.505 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion: 43 Resp: 70684

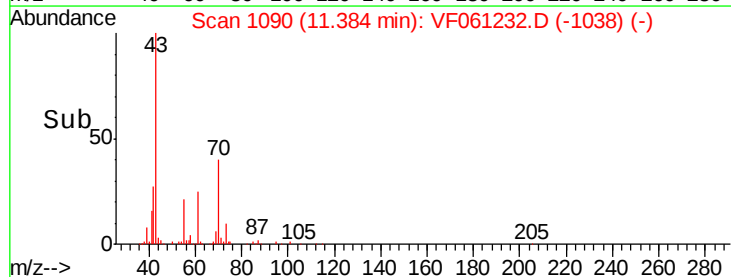
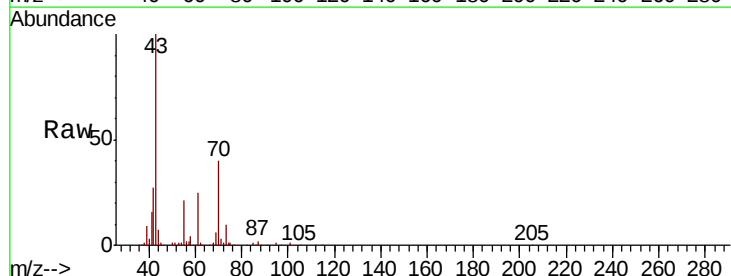
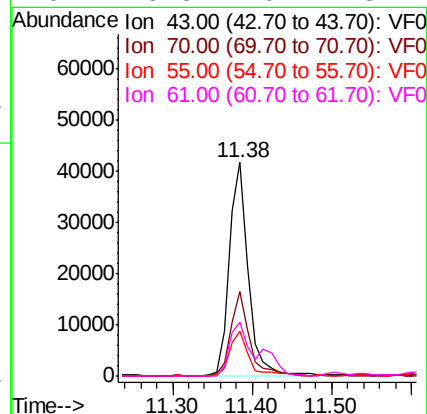
Ion Ratio Lower Upper

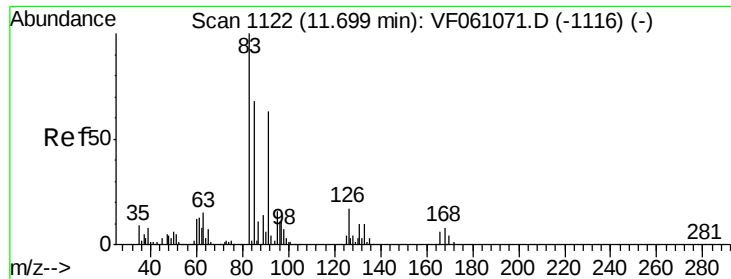
43 100

70 39.8 29.2 43.8

55 20.9 16.5 24.7

61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.707 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

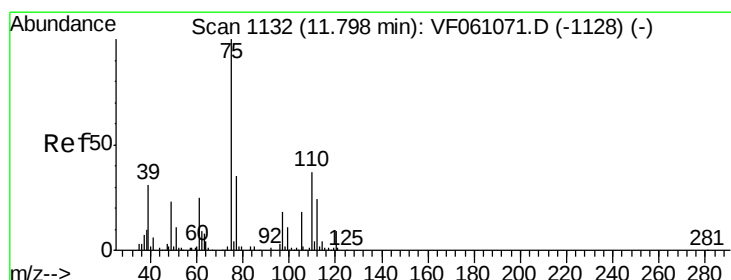
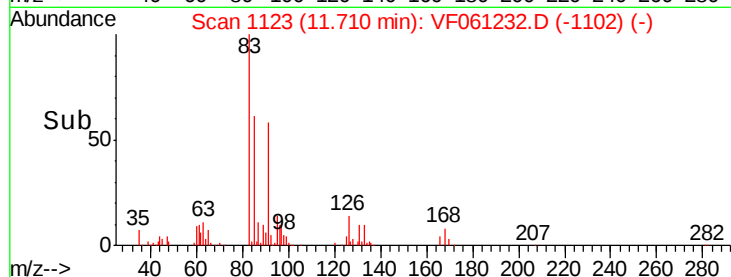
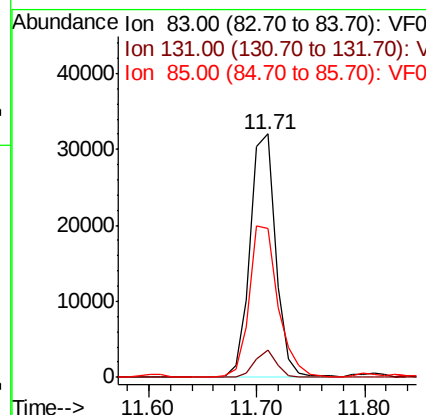
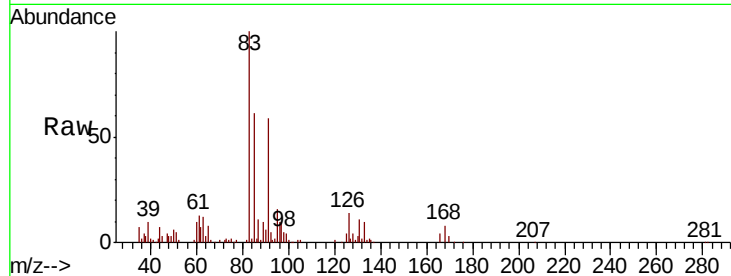
ClientSampleId :

VF1228SBS02

Tot Ion:	83	Resp:	53336
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.8	14.3
85	61.3	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 20.179 ug/l

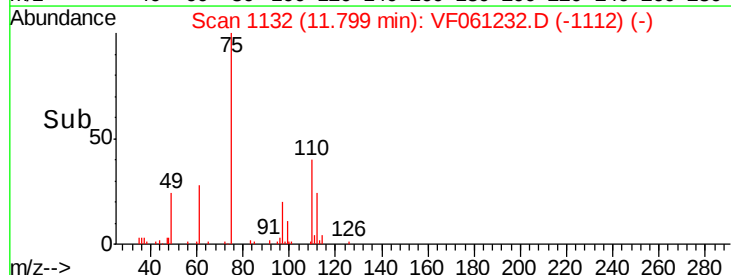
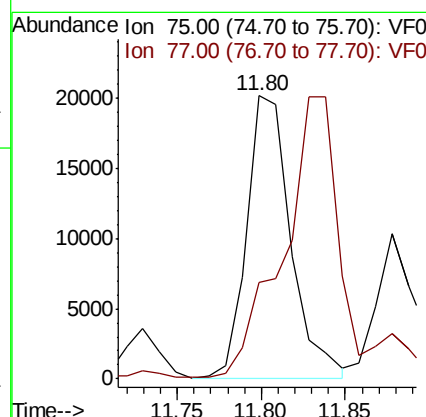
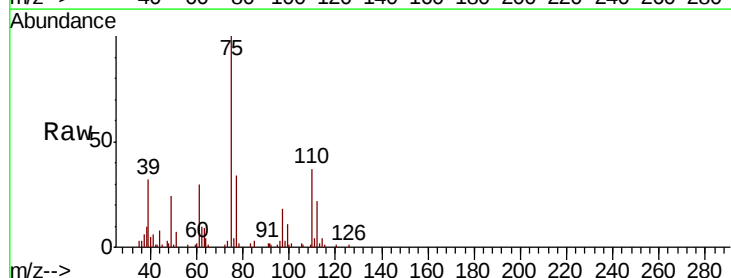
RT: 11.80 min Scan# 1132

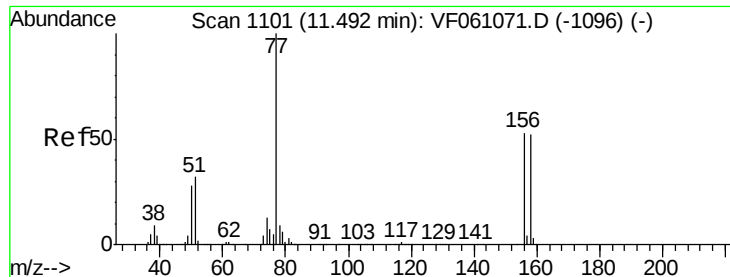
Delta R.T. 0.00 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion:	75	Resp:	36898
Ion Ratio	Lower	Upper	
75	100		
77	34.1	17.6	52.9





#77

Bromobenzene

Concen: 18.761 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

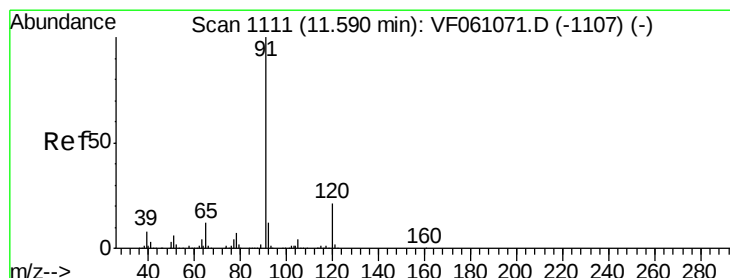
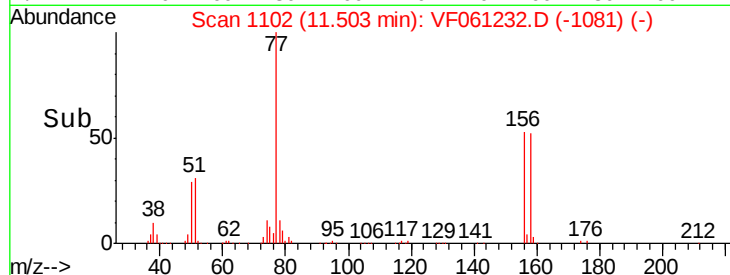
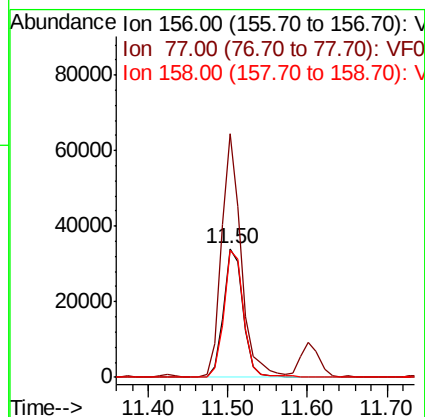
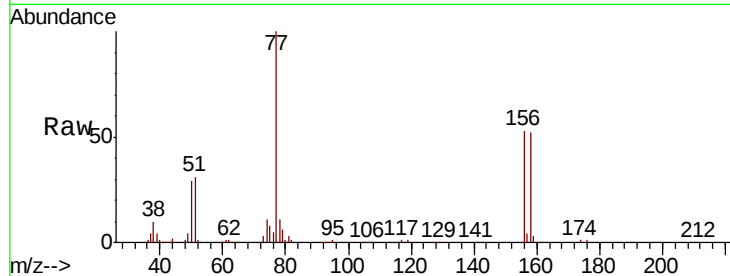
ClientSampleId :

VF1228SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	189.4	93.8	281.4	
158	98.8	48.9	146.8	

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#78

n-propylbenzene

Concen: 17.346 ug/l

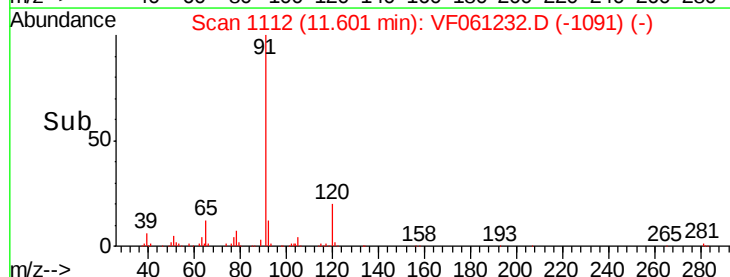
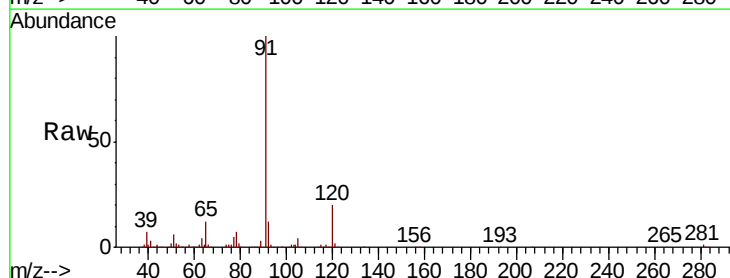
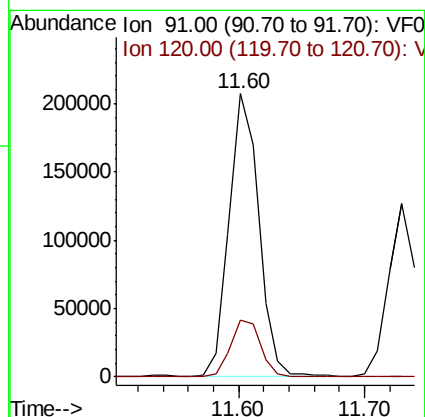
RT: 11.60 min Scan# 1112

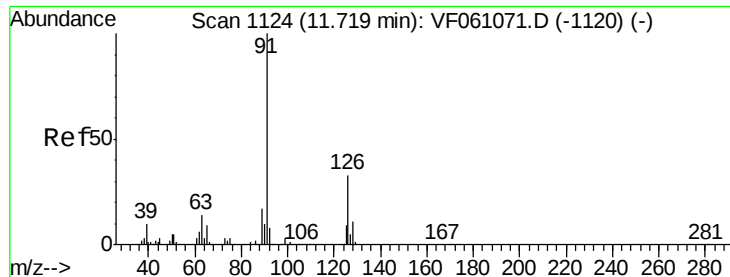
Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.2	10.4	31.2	





#79

2-Chlorotoluene

Concen: 19.096 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 91 Resp: 193939

Ion Ratio Lower Upper

91 100

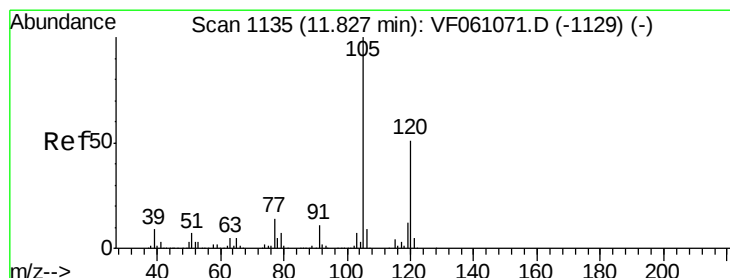
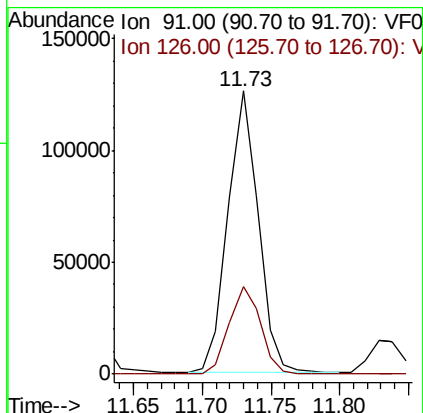
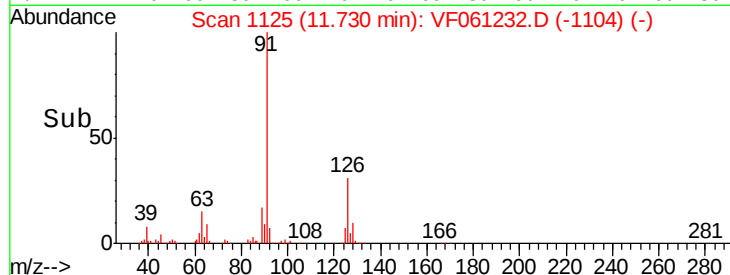
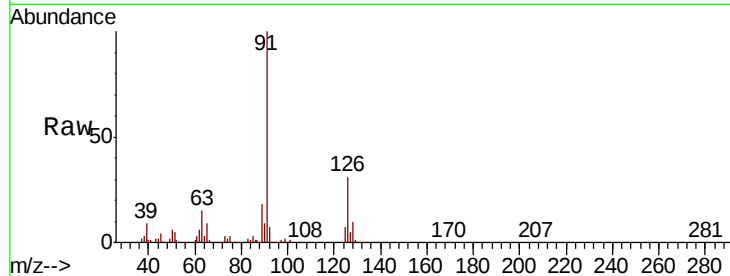
126 31.1 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.143 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF061232.D

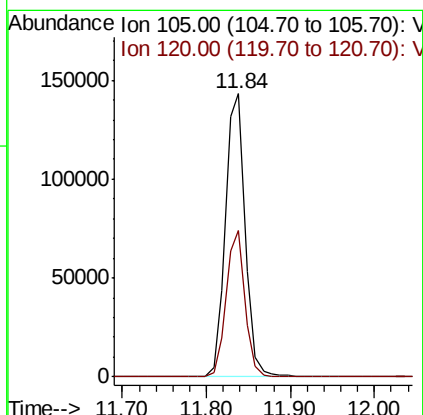
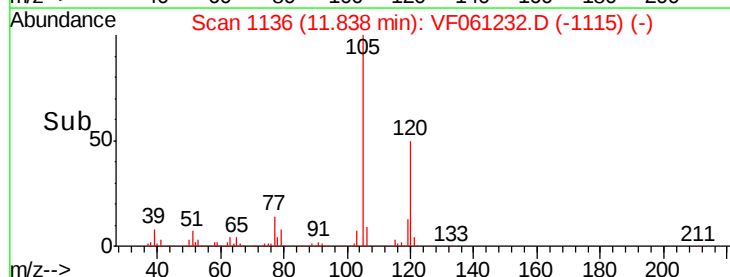
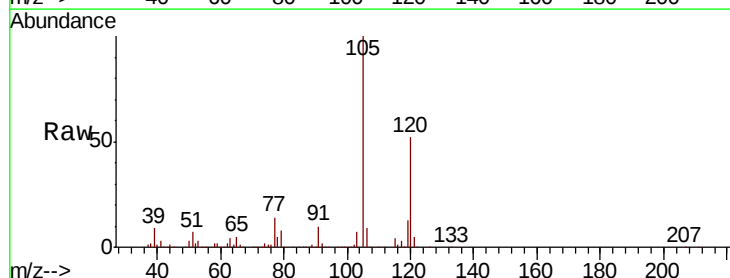
Acq: 28 Dec 2018 13:25

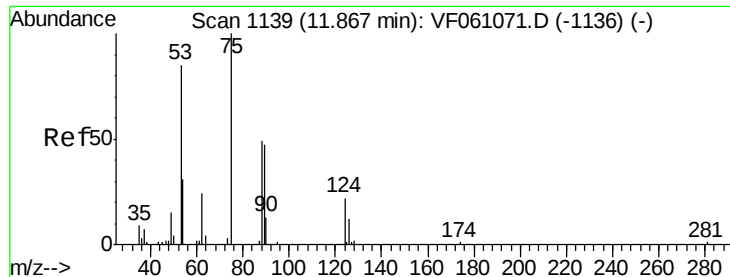
Tgt Ion: 105 Resp: 233359

Ion Ratio Lower Upper

105 100

120 51.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.450 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion: 75 Resp: 16069

Ion Ratio Lower Upper

75 100

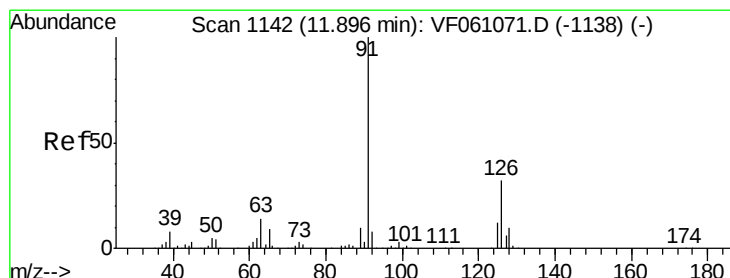
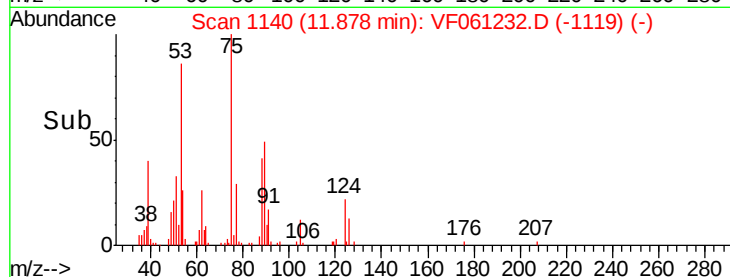
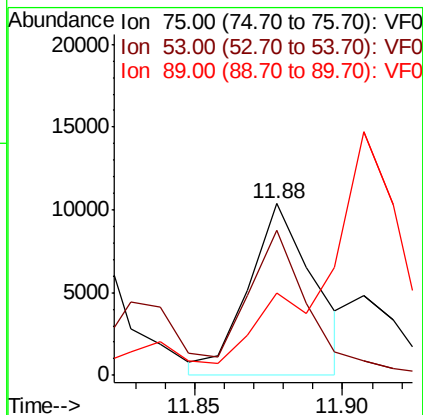
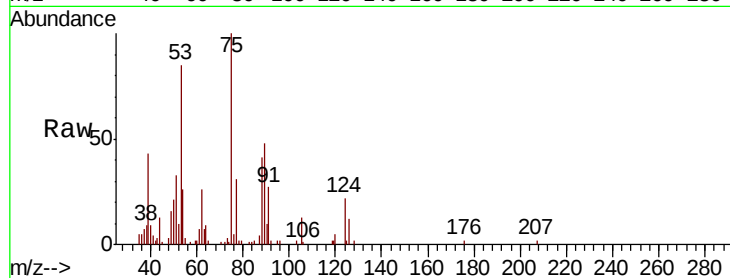
53 84.9 74.1 111.1

89 47.9 42.6 64.0

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#82

4-Chlorotoluene

Concen: 19.012 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061232.D

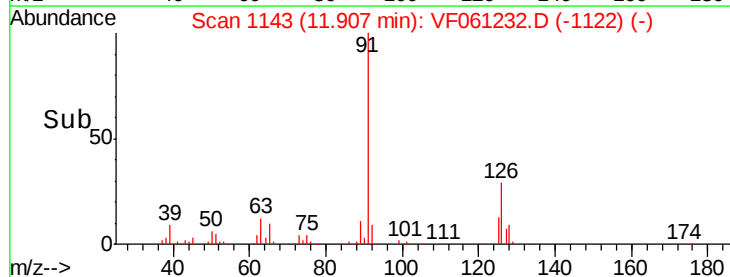
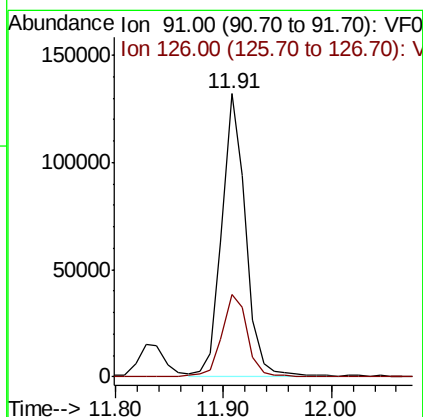
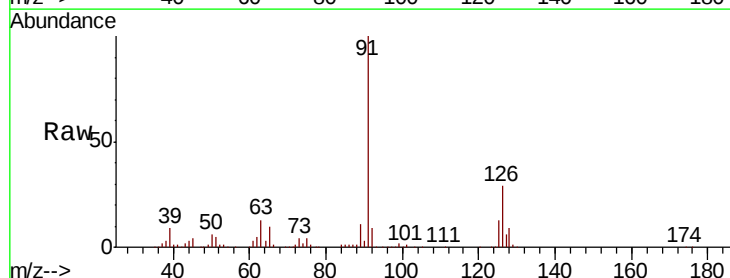
Acq: 28 Dec 2018 13:25

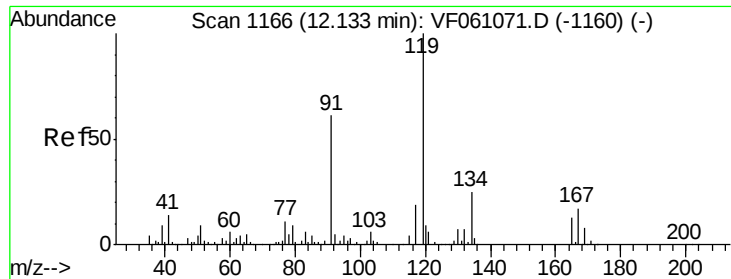
Tgt Ion: 91 Resp: 199742

Ion Ratio Lower Upper

91 100

126 29.1 16.0 47.9





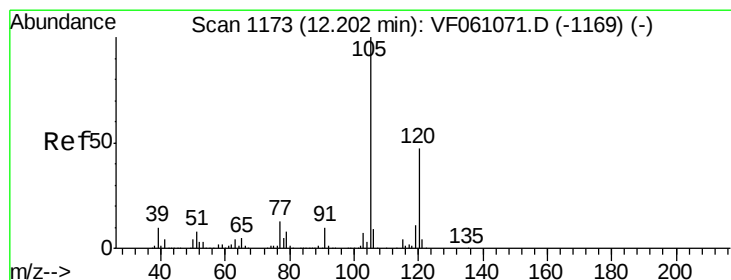
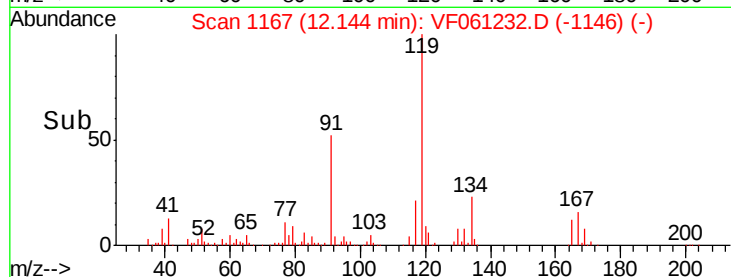
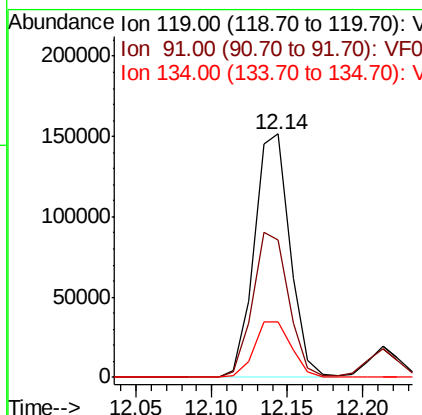
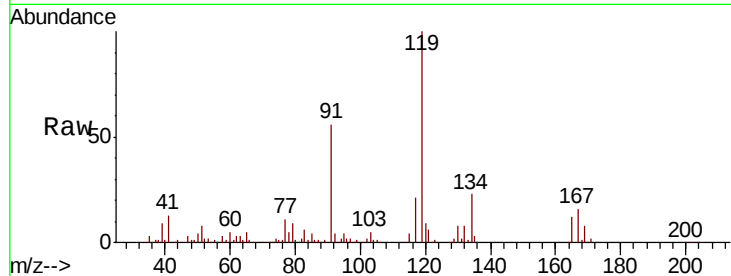
#83
tert-Butylbenzene
Concen: 20.002 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250915		
91	56.5	30.5	91.5	
134	22.6	12.4	37.4	

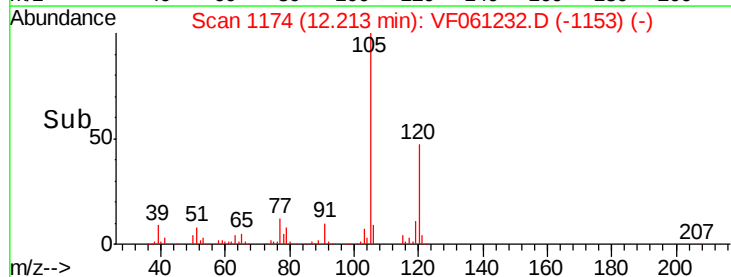
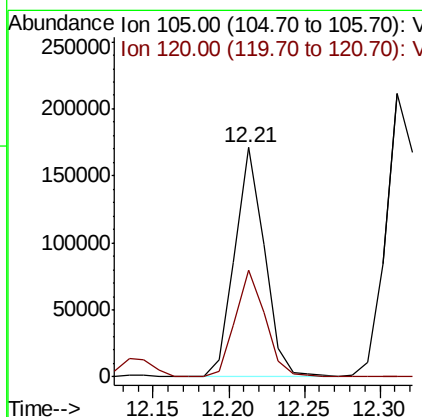
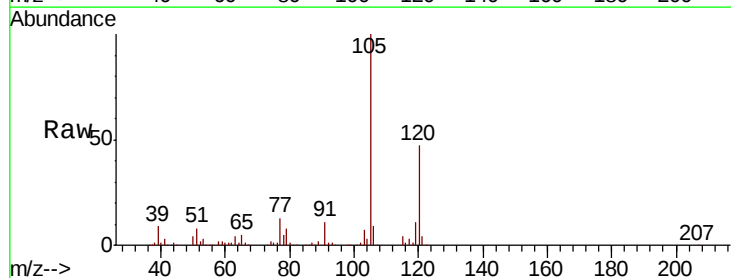
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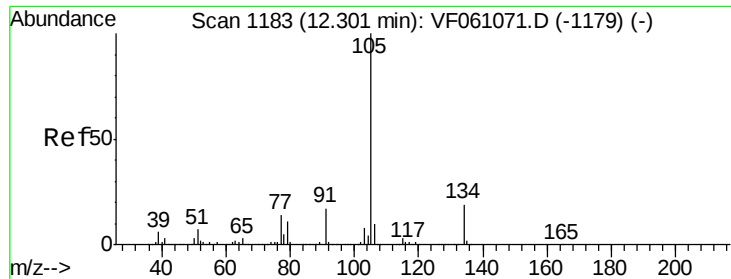
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#84
1,2,4-Trimethylbenzene
Concen: 19.272 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234279		
120	46.5	23.6	71.0	





#85

sec-Butylbenzene

Concen: 19.495 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

Instrument :

MSVOA_F

ClientSampleId :

VF1228SBS02

Tot Ion:105 Resp: 319136

Ion Ratio Lower Upper

105 100

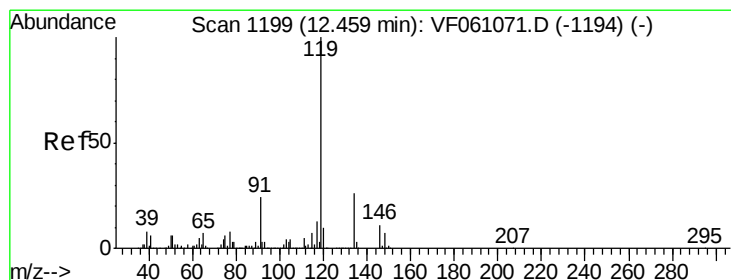
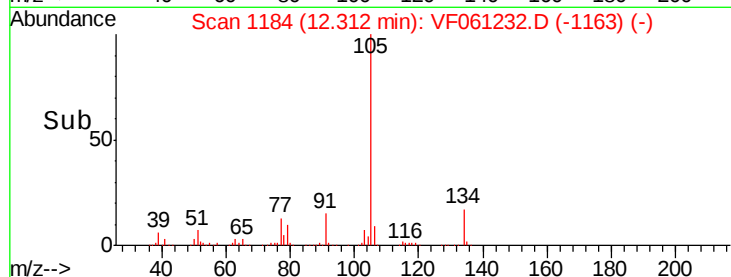
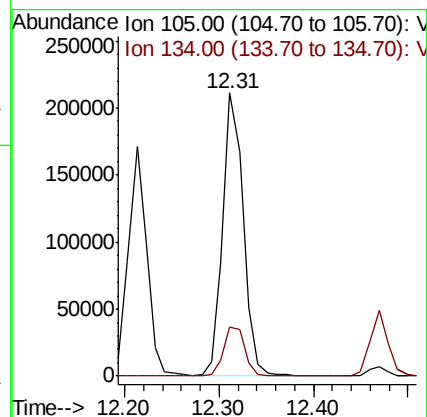
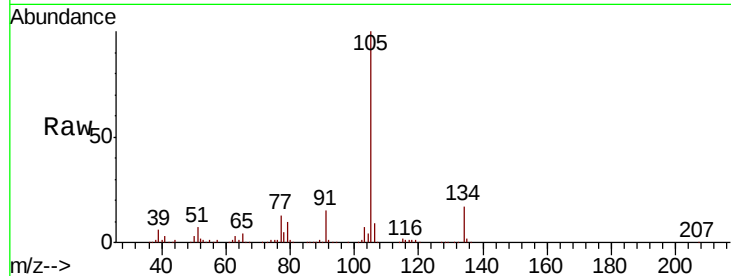
134 17.2 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 20.041 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF061232.D

Acq: 28 Dec 2018 13:25

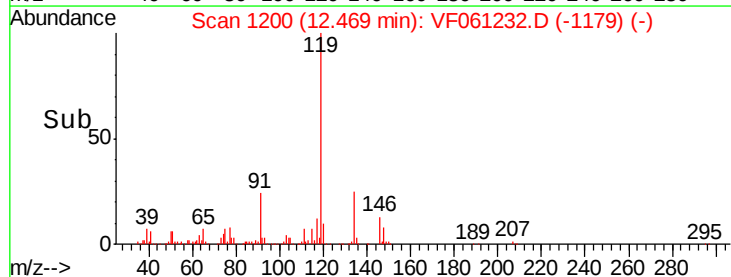
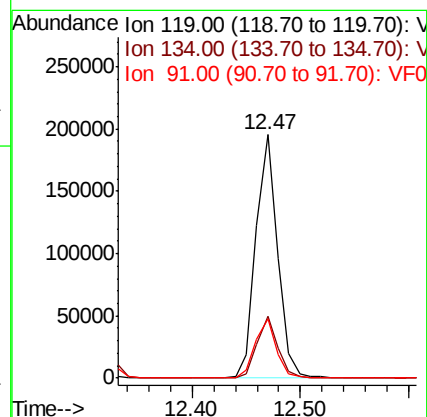
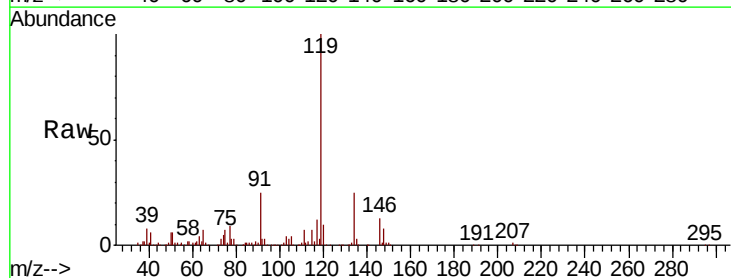
Tgt Ion:119 Resp: 272321

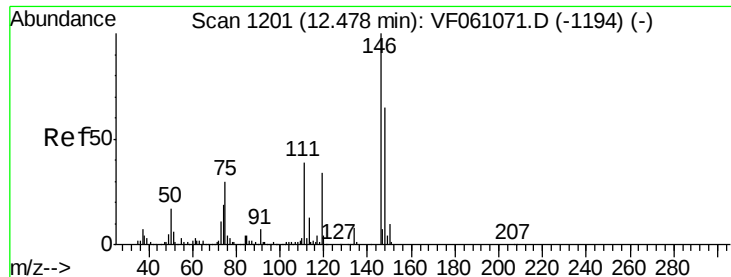
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.6 12.2 36.6





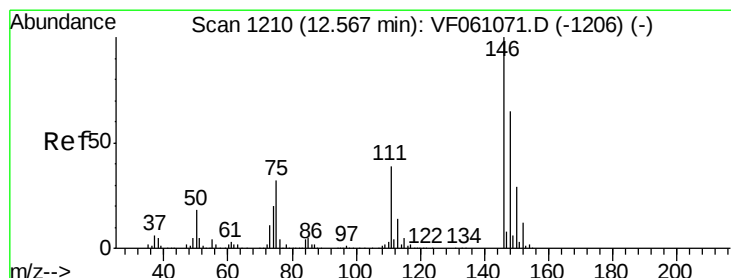
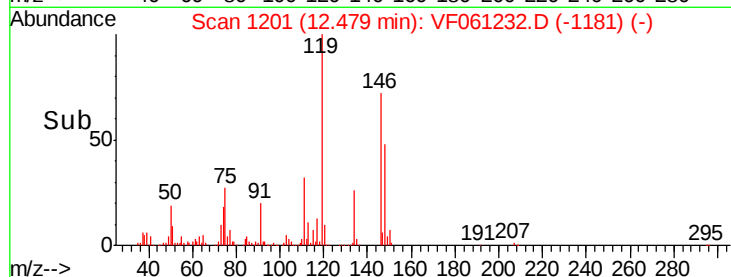
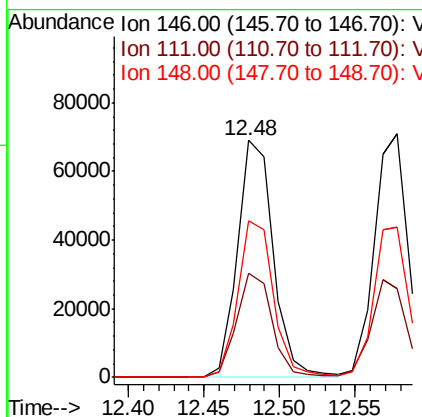
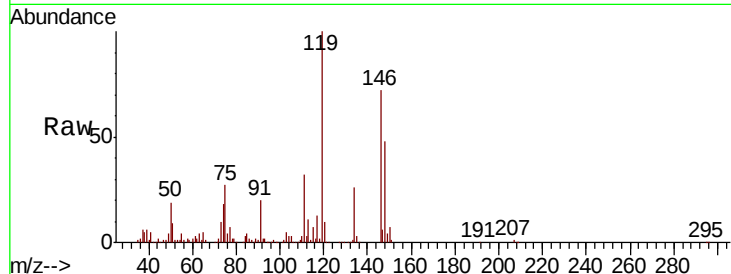
#87
 1,3-Dichlorobenzene
 Concen: 18.472 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.3	57.9
148	66.1	32.4	97.2

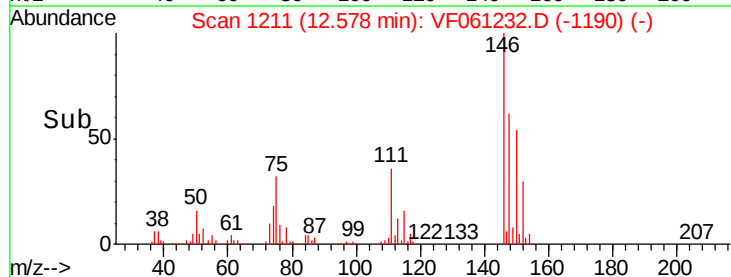
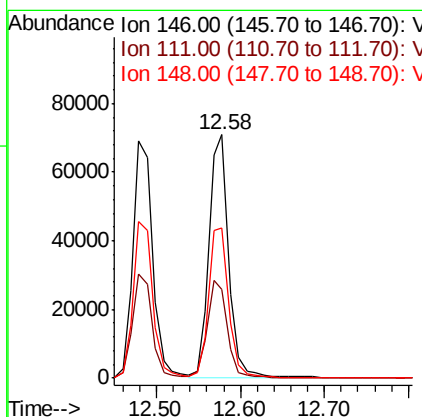
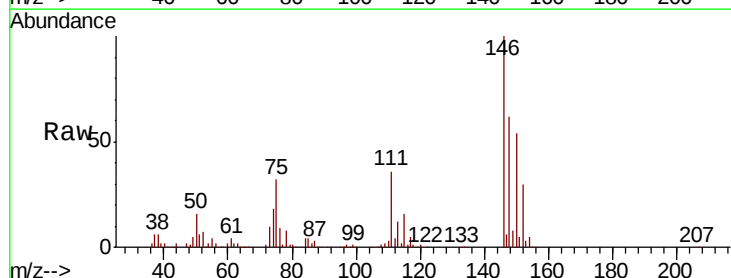
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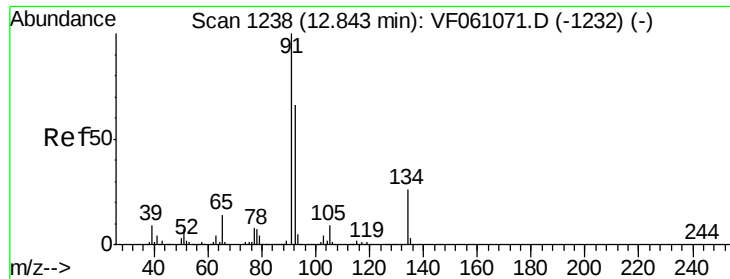
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#88
 1,4-Dichlorobenzene
 Concen: 19.608 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.4	58.4
148	61.9	32.4	97.0





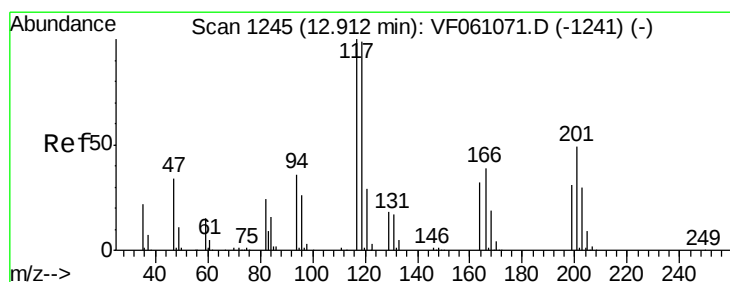
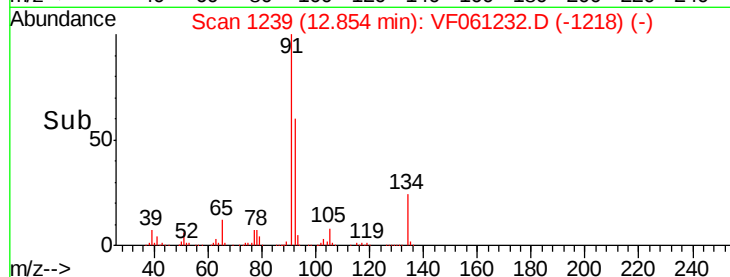
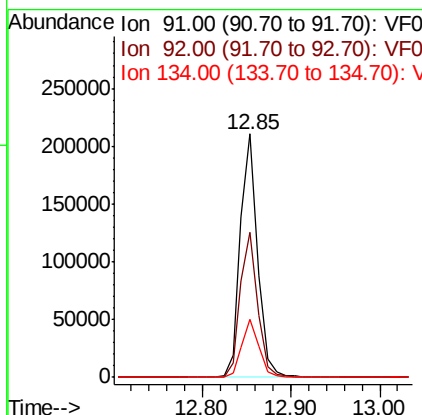
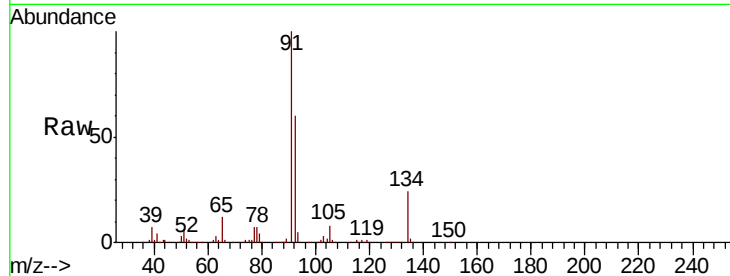
#89
n-Butylbenzene
Concen: 18.281 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	286334		
92	59.6		32.8	98.4
134	24.0		13.2	39.5

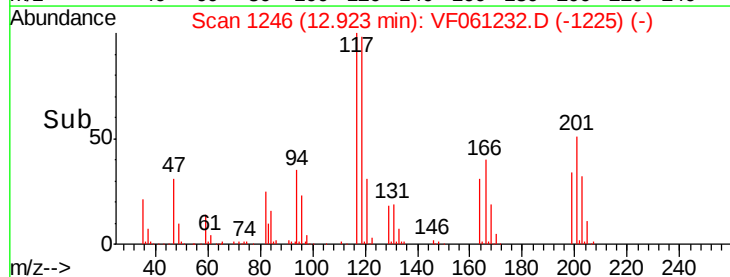
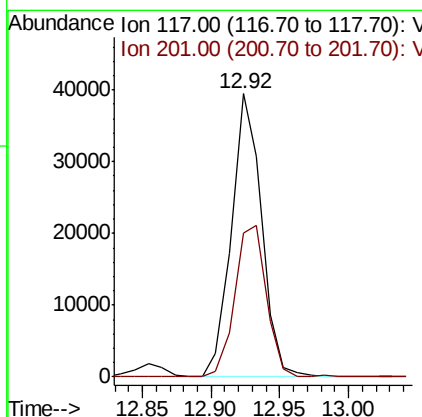
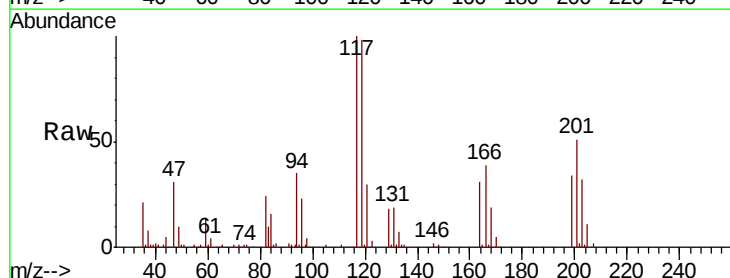
Manual Integrations
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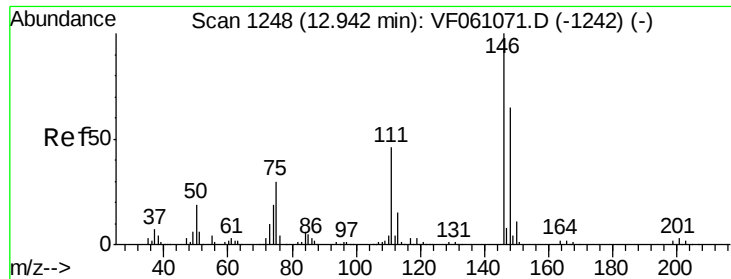
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#90
Hexachloroethane
Concen: 17.897 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60083		
201	50.7		24.9	74.8





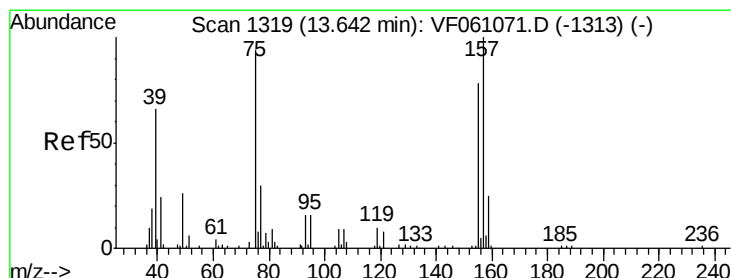
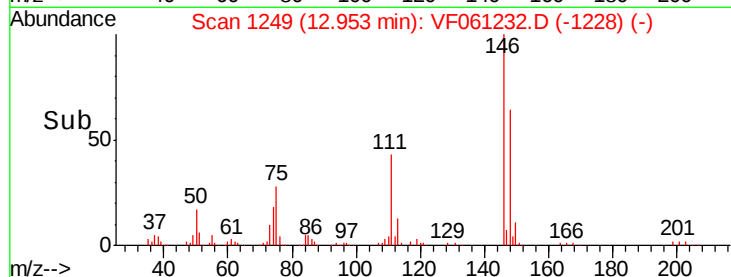
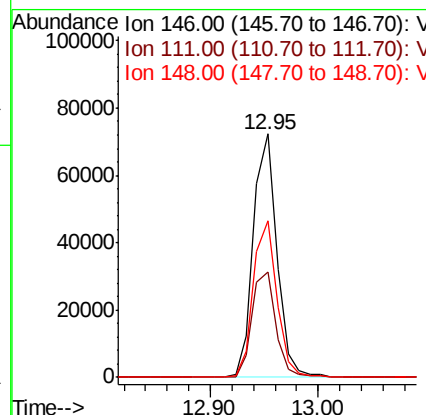
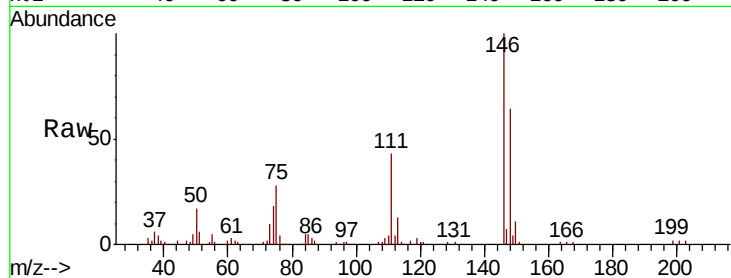
#91
 1,2-Dichlorobenzene
 Concen: 19.388 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	23.2	69.5
148	64.4	32.4	97.0

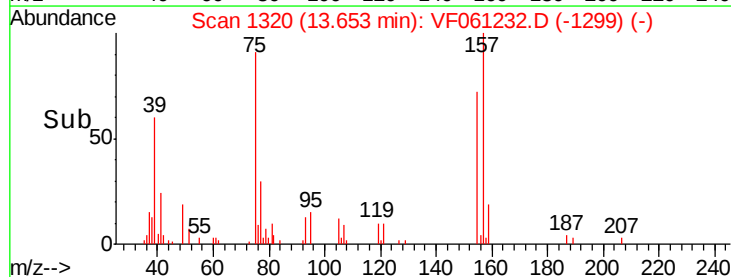
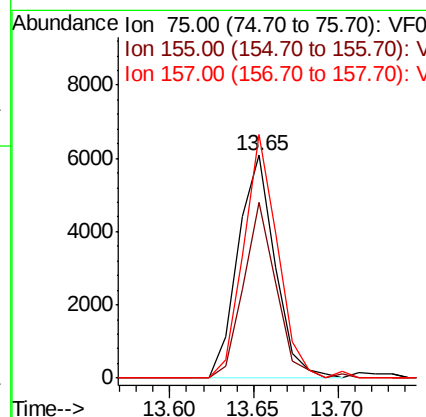
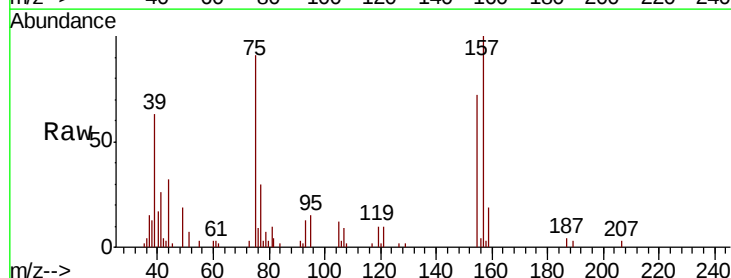
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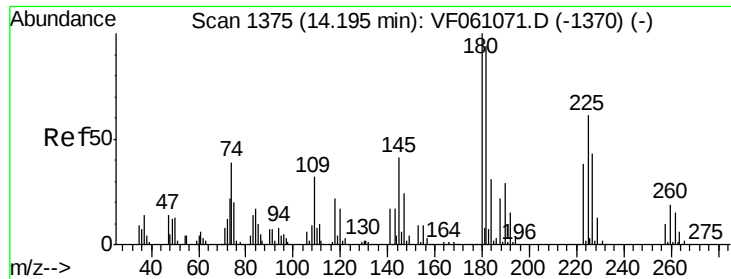
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.568 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	41.5	124.5
157	109.3	53.2	159.6





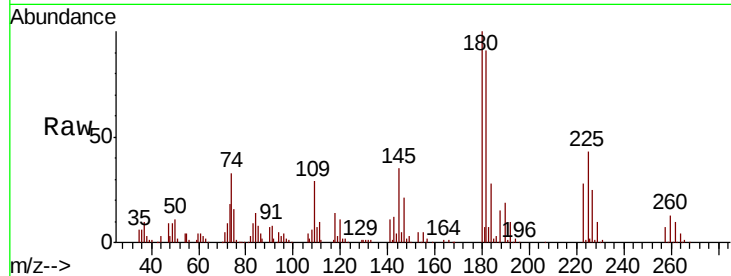
#93
 1,2,4-Trichlorobenzene
 Concen: 19.723 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79694		
182	91.3	46.9	140.6	
145	34.7	20.5	61.6	

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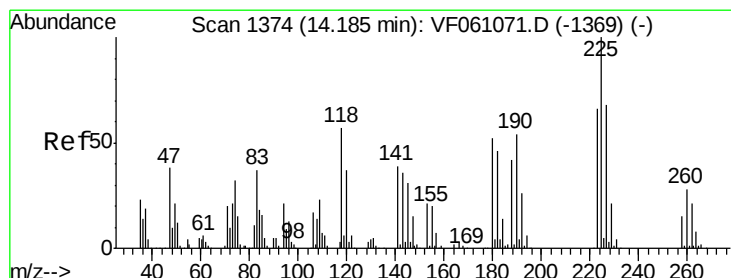
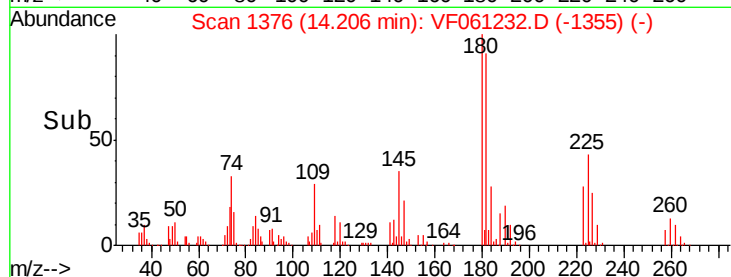
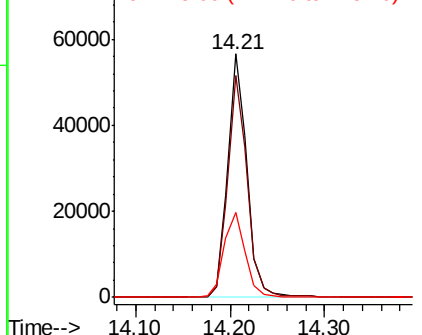


Abundance

Ion 180.00 (179.70 to 180.70): V

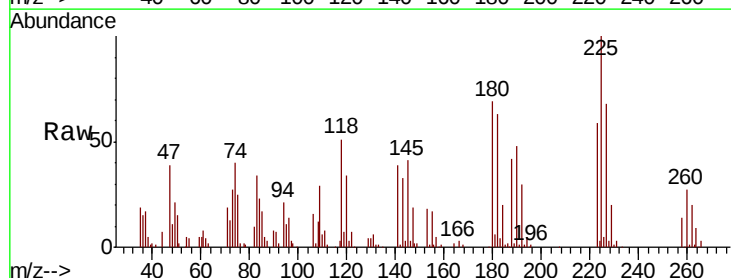
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 18.279 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061232.D
 Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47040		
223	59.2	32.8	98.3	
227	67.5	34.0	101.8	

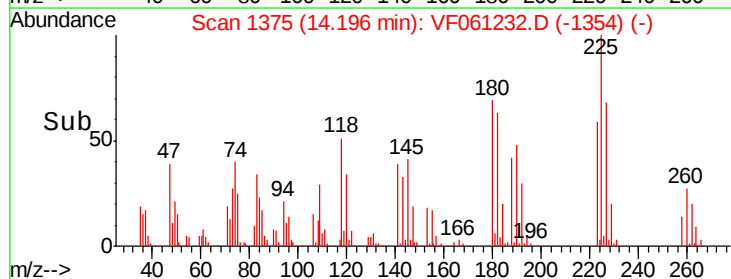
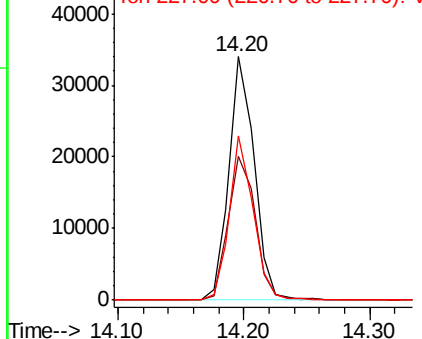


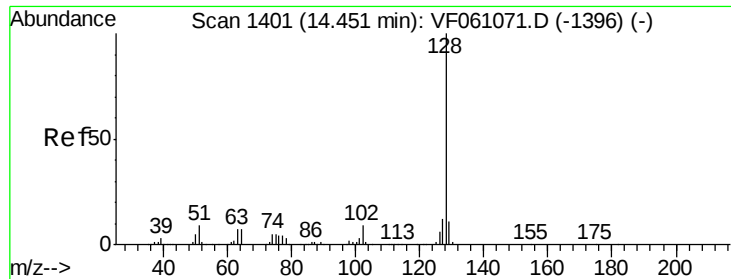
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





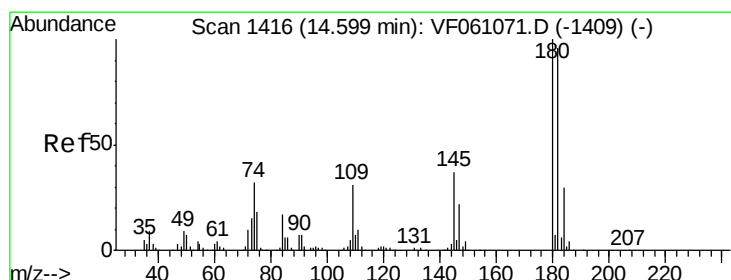
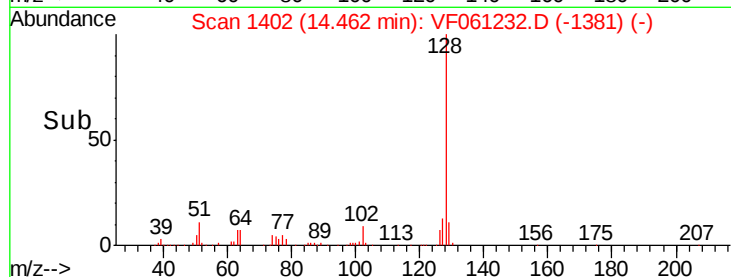
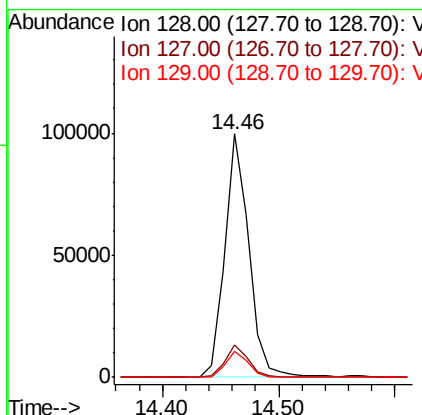
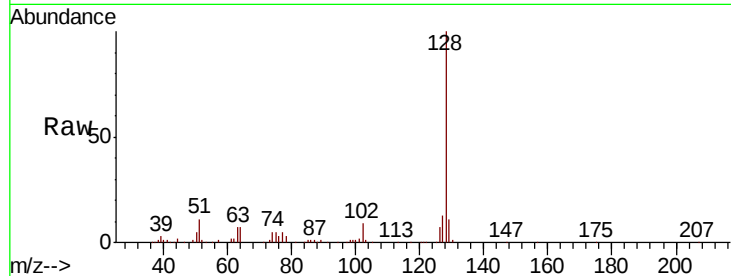
#95
Naphthalene
Concen: 19.451 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Instrument :
MSVOA_F
ClientSampleId :
VF1228SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	143514		
127	13.3		9.4	14.2
129	10.7		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 19.511 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061232.D
Acq: 28 Dec 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72879		
182	88.0		47.9	143.8
145	33.1		18.6	55.8

