

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061079.D
 Acq On : 19 Dec 2018 12:25
 Operator : VA/AP
 Sample : VF1219SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:20 AM

Quant Time: Dec 20 02:38:50 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	4.86	168	235916	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	414298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	366419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	180599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	134405	44.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.60%	
35) Dibromofluoromethane	4.11	113	159008	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	
50) Toluene-d8	7.55	98	439283	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
62) 4-Bromofluorobenzene	11.41	95	198914	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	100394	19.144	ug/l	100
3) Chloromethane	1.10	50	64631	21.515	ug/l	98
4) Vinyl Chloride	1.14	62	58597	21.028	ug/l	88
5) Bromomethane	1.33	94	40713	21.064	ug/l	92
6) Chloroethane	1.39	64	24639	19.189	ug/l	94
7) Trichlorofluoromethane	1.48	101	101125m	19.006	ug/l	
8) Diethyl Ether	1.62	74	14833	20.358	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	54060	19.595	ug/l	90
10) Methyl Iodide	1.91	142	87435m	20.106	ug/l	
11) Tert butyl alcohol	2.56	59	11247	91.853	ug/l	94
12) 1,1-Dichloroethene	1.79	96	42724	20.544	ug/l	93
13) Acrolein	2.00	56	8039	90.858	ug/l	100
14) Allyl chloride	2.09	41	52259	24.148	ug/l	92
15) Acrylonitrile	2.93	53	28564	100.882	ug/l	88
16) Acetone	2.23	43	58098	95.779	ug/l #	92
17) Carbon Disulfide	1.83	76	132962m	21.157	ug/l	
18) Methyl Acetate	2.34	43	23117	18.420	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	86738	18.791	ug/l	99
20) Methylene Chloride	2.25	84	49721m	23.248	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	46645m	20.971	ug/l	
22) Diisopropyl ether	2.80	45	148228	20.562	ug/l	95
23) Vinyl Acetate	3.18	43	343594	103.318	ug/l	97
24) 1,1-Dichloroethane	2.87	63	88313	20.676	ug/l	99
25) 2-Butanone	4.35	43	100043	101.694	ug/l #	85
26) 2,2-Dichloropropane	3.60	77	53535	21.841	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	70239	20.627	ug/l	96
28) Bromochloromethane	3.71	49	46272	21.351	ug/l	94
29) Tetrahydrofuran	4.08	42	37467	93.573	ug/l	98
30) Chloroform	3.85	83	125834	19.648	ug/l	94
31) Cyclohexane	3.67	56	100687m	22.718	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	73863	19.242	ug/l #	88
36) 1,1-Dichloropropene	4.28	75	97116	19.420	ug/l	97
37) Ethyl Acetate	4.11	43	41039	18.958	ug/l	98
38) Carbon Tetrachloride	3.98	117	74155	19.472	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	96712	21.557	ug/l	96
40) Benzene	4.62	78	214561	19.951	ug/l	96
41) Methacrylonitrile	4.74	41	18894	17.890	ug/l	94
42) 1,2-Dichloroethane	4.94	62	74998	18.358	ug/l	98
43) Isopropyl Acetate	6.96	43	43420	17.982	ug/l #	97
44) Trichloroethene	5.49	130	70181	20.699	ug/l	95
45) 1,2-Dichloropropane	6.23	63	56447	19.292	ug/l	100
46) Dibromomethane	6.08	93	36128	19.038	ug/l	93
47) Bromodichloromethane	6.38	83	92079	18.675	ug/l	93
48) Methyl methacrylate	6.72	41	30129	17.873	ug/l	94
49) 1,4-Dioxane	6.71	88	4420	361.366	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	149804	90.460	ug/l	95
52) Toluene	7.62	92	142074	19.957	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	73890	18.576	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	98766	19.784	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	40750	19.095	ug/l	95
56) Ethyl methacrylate	8.62	69	41096	17.796	ug/l	96
57) 1,3-Dichloropropane	8.85	76	70422	18.245	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	38487	86.777	ug/l	97
59) 2-Hexanone	9.49	43	110407	92.190	ug/l	98
60) Dibromochloromethane	8.72	129	55805	18.242	ug/l	90
61) 1,2-Dibromoethane	8.98	107	42324	18.569	ug/l	95
64) Tetrachloroethene	8.15	164	57527	20.409	ug/l	92
65) Chlorobenzene	9.80	112	153885	20.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	61286	19.812	ug/l	96
67) Ethyl Benzene	9.90	91	285051	20.670	ug/l	99
68) m/p-Xylenes	10.13	106	201435	41.505	ug/l	98
69) o-Xylene	10.71	106	111370	20.691	ug/l	97
70) Styrene	10.79	104	151868	20.249	ug/l	98
71) Bromoform	10.77	173	26459	18.488	ug/l	91
73) Isopropylbenzene	11.12	105	333522	21.430	ug/l	96
74) N-amyl acetate	11.37	43	71775	20.773	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	50923	19.715	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	37281	19.395	ug/l	91
77) Bromobenzene	11.50	156	66788	19.935	ug/l	87
78) n-propylbenzene	11.60	91	385994	19.024	ug/l	100
79) 2-Chlorotoluene	11.71	91	223448	20.929	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	261737	20.424	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	15541m	18.815	ug/l	
82) 4-Chlorotoluene	11.90	91	218745	19.806	ug/l	97
83) tert-Butylbenzene	12.13	119	276787	20.989	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	273075	21.368	ug/l	100
85) sec-Butylbenzene	12.31	105	380893	22.133	ug/l	99
86) p-Isopropyltoluene	12.46	119	314819	22.039	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	128812	20.372	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	123976	20.153	ug/l	99
89) n-Butylbenzene	12.84	91	322167	19.656	ug/l	94
90) Hexachloroethane	12.92	117	73804	20.913	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	123386	20.601	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8415	17.754	ug/l	80

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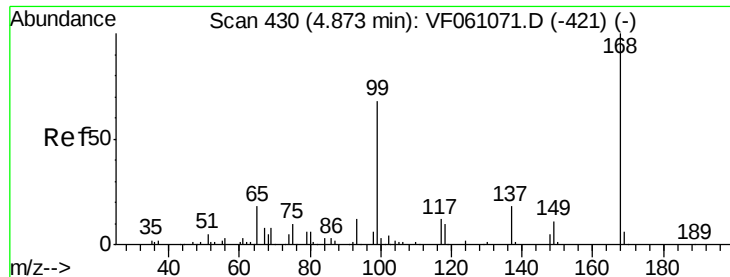
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	87167	20.522	ug/l	95
94) Hexachlorobutadiene	14.19	225	55279	20.433	ug/l	97
95) Naphthalene	14.46	128	144942	18.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	76087	19.377	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 168 Resp: 235916

Ion Ratio Lower Upper

168 100

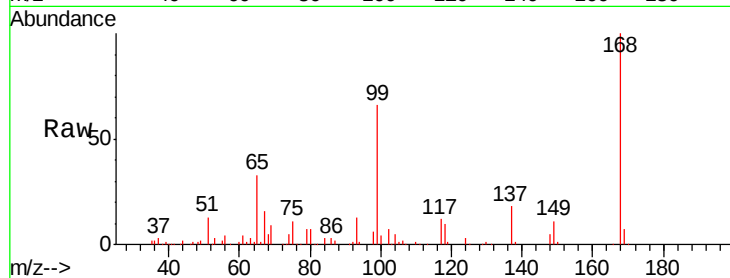
99 66.4 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

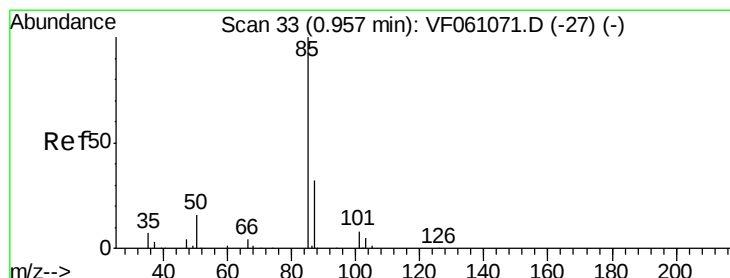
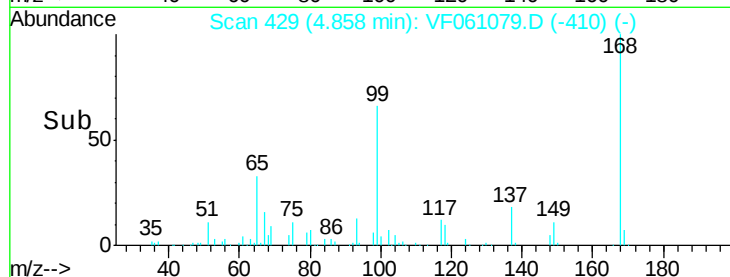
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.144 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061079.D

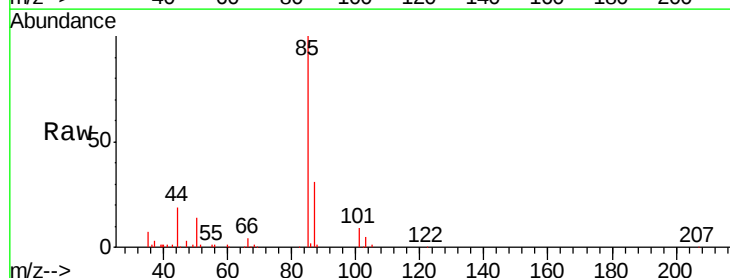
Acq: 19 Dec 2018 12:25

Tgt Ion: 85 Resp: 100394

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

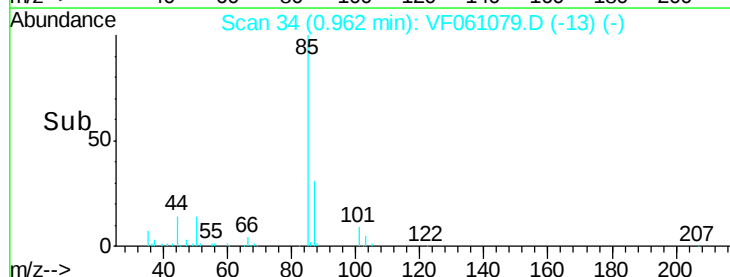
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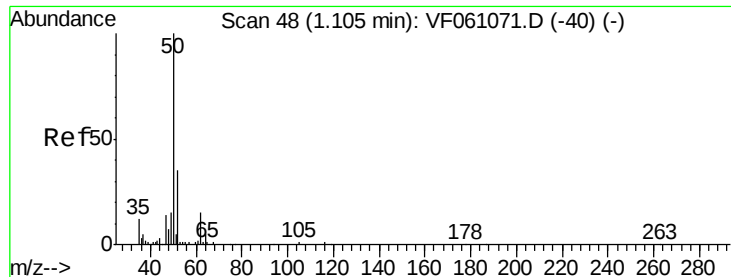
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.515 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 50 Resp: 64631

Ion Ratio Lower Upper

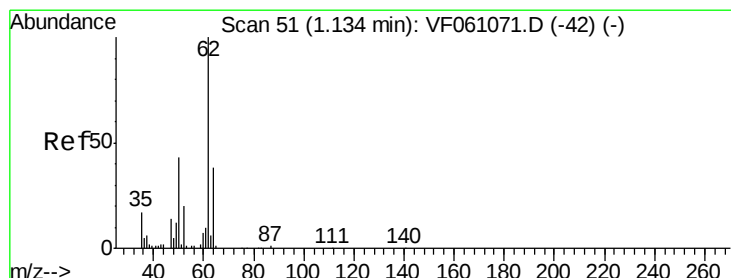
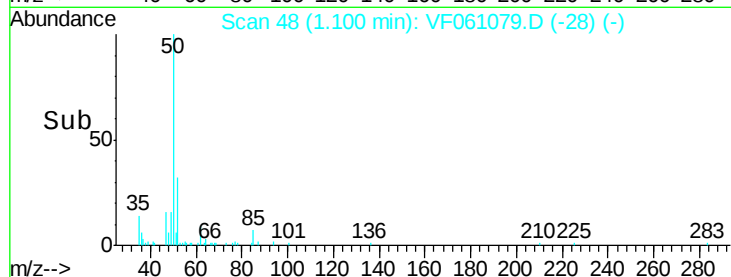
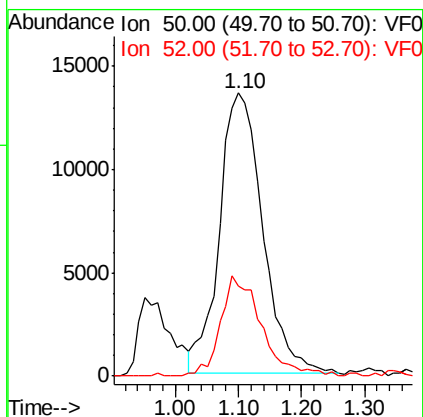
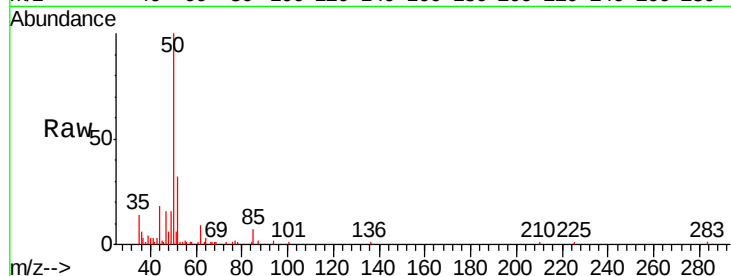
50 100

52 32.0 26.3 39.5

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#4

Vinyl Chloride

Concen: 21.028 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061079.D

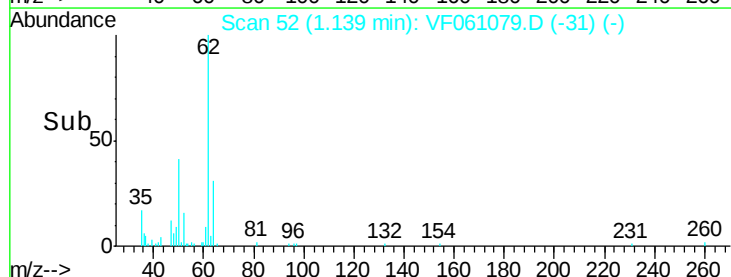
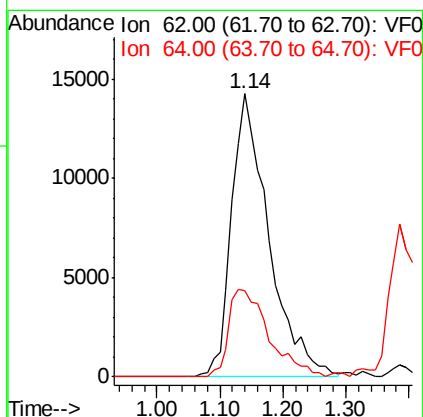
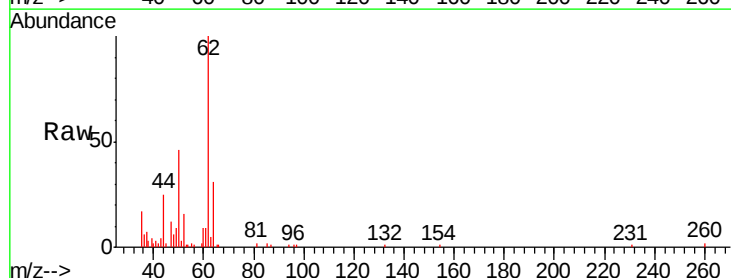
Acq: 19 Dec 2018 12:25

Tgt Ion: 62 Resp: 58597

Ion Ratio Lower Upper

62 100

64 30.6 30.4 45.6





#5

Bromomethane

Concen: 21.064 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 94 Resp: 40713

Ion Ratio Lower Upper

94 100

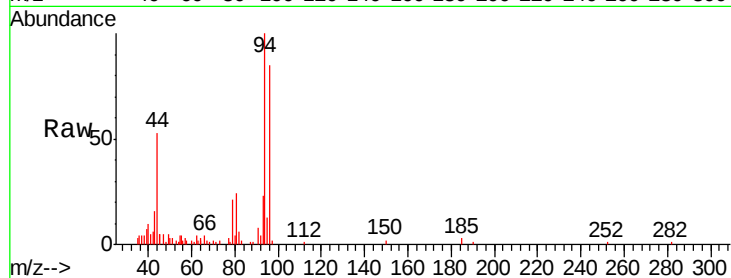
96 85.0 74.4 111.6

Manual Integrations

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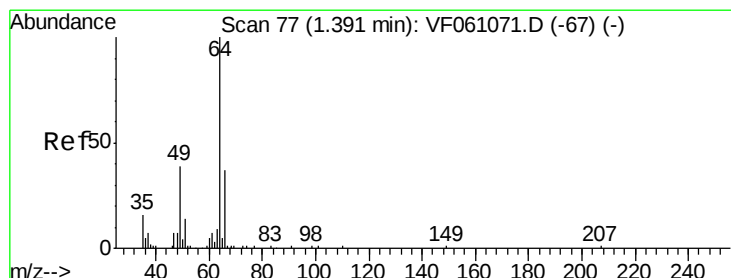
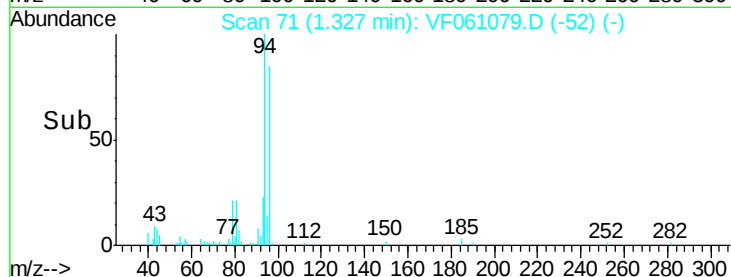
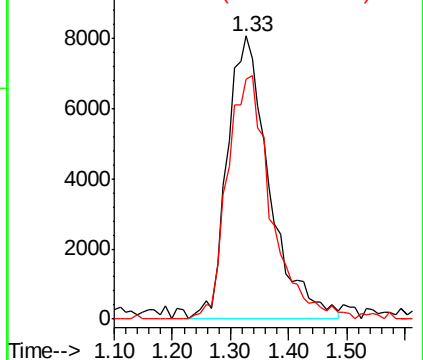
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 19.189 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061079.D

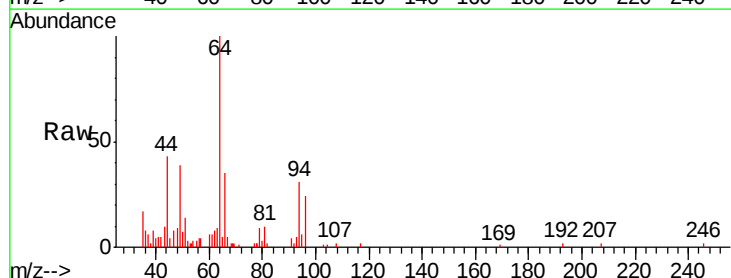
Acq: 19 Dec 2018 12:25

Tgt Ion: 64 Resp: 24639

Ion Ratio Lower Upper

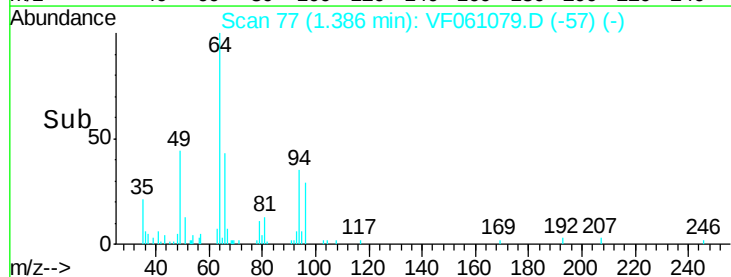
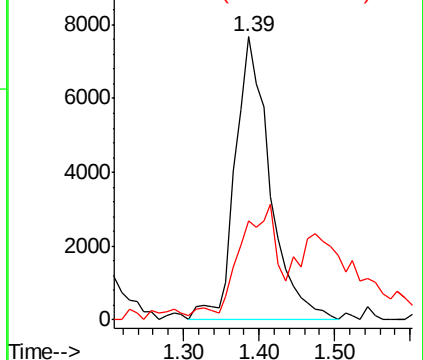
64 100

66 35.0 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

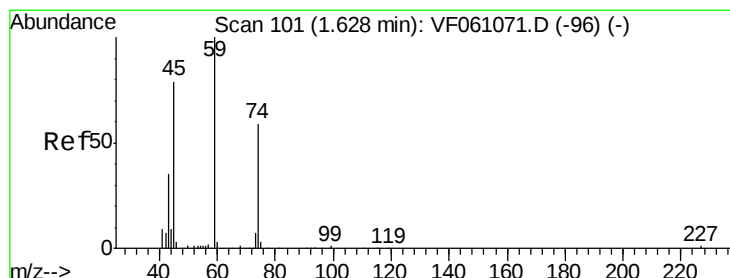
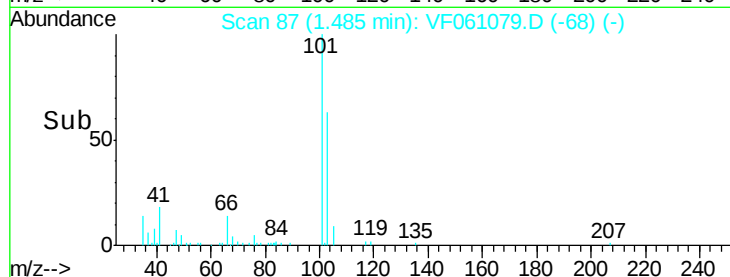
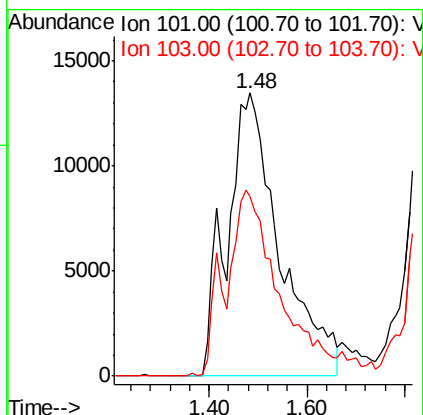
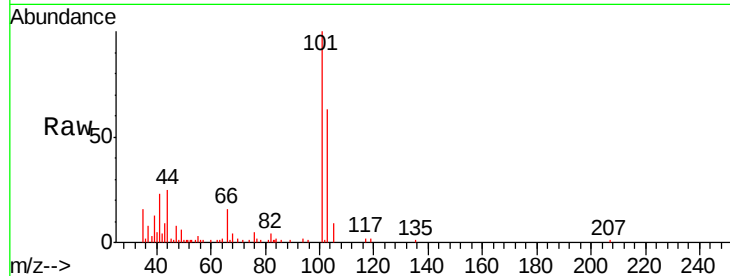
Trichlorofluoromethane
Concen: 19.006 ug/l m
RT: 1.48 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061079.D
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ClientSampleId :
VF1219SBS01

Tgt Ion:101 Resp: 101125
Ion Ratio Lower Upper
101 100
103 63.3 50.7 76.1

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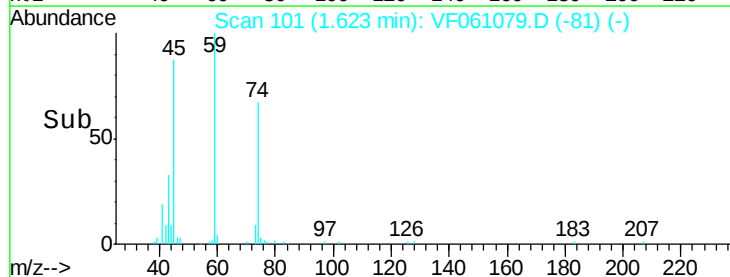
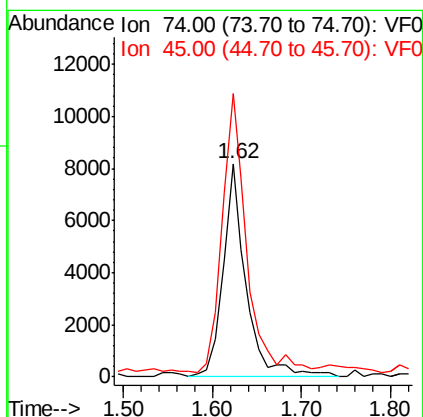
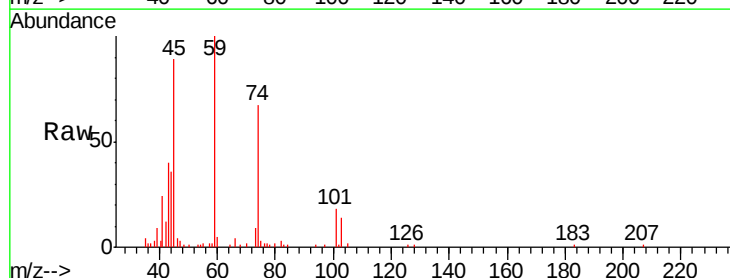
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#8

Diethyl Ether
Concen: 20.358 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion: 74 Resp: 14833
Ion Ratio Lower Upper
74 100
45 132.8 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.595 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

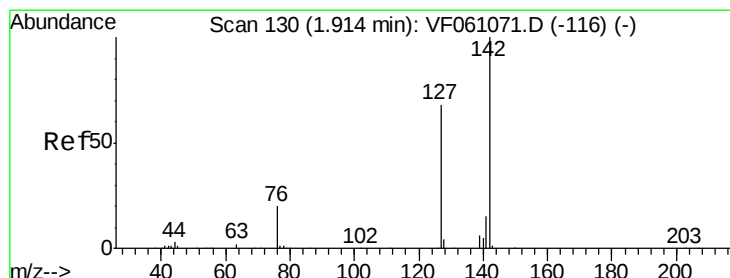
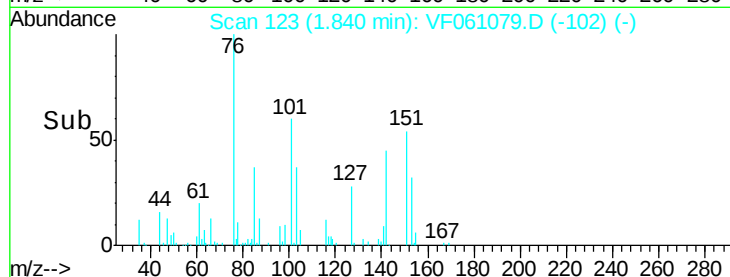
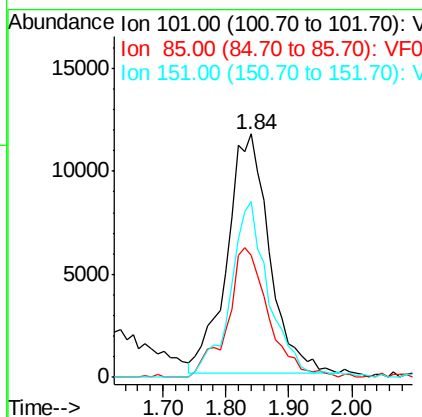
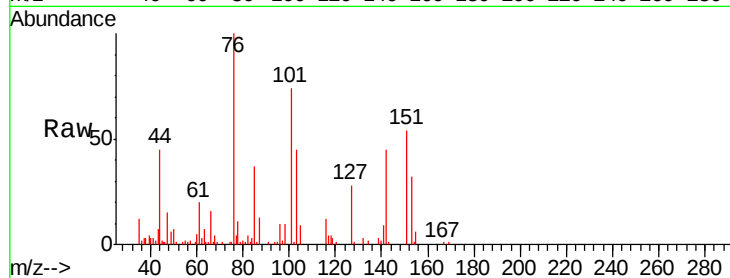
ClientSampleId :

VF1219SBS01

Tgt Ion:	101	Resp:	54060
Ion Ratio	Lower	Upper	
101	100		
85	50.0	44.5	66.7
151	72.4	49.9	74.9

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#10

Methyl Iodide

Concen: 20.106 ug/l m

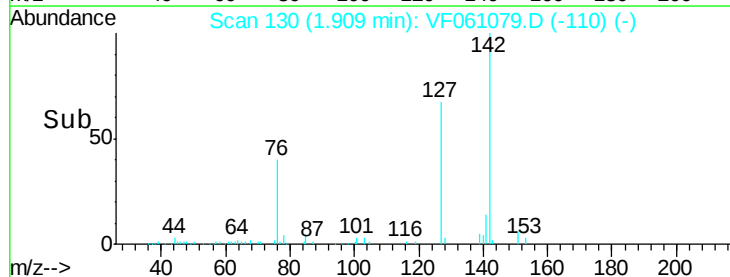
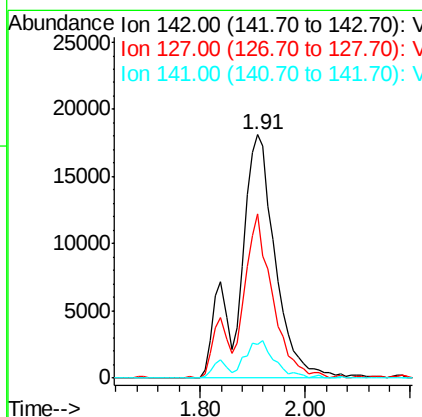
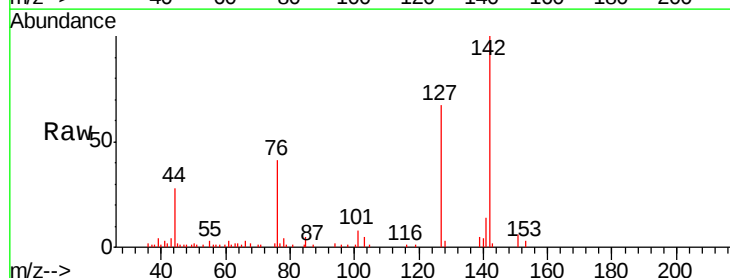
RT: 1.91 min Scan# 130

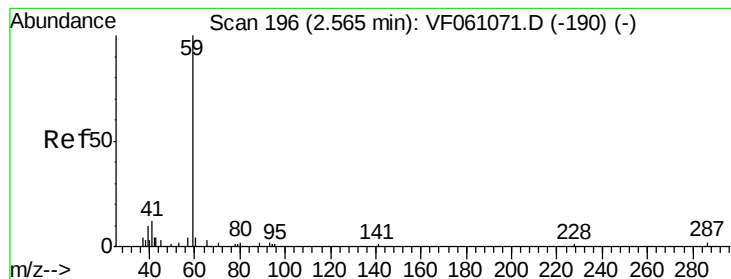
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	142	Resp:	87435
Ion Ratio	Lower	Upper	
142	100		
127	67.2	54.7	82.1
141	14.1	12.2	18.2





#11

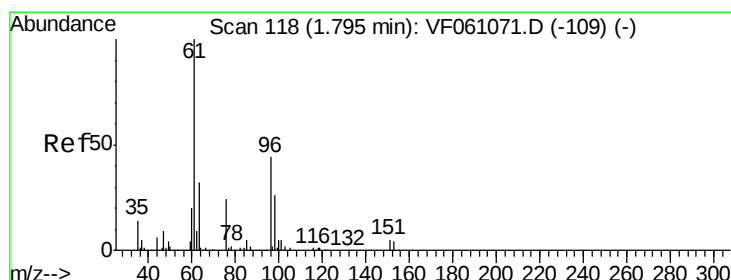
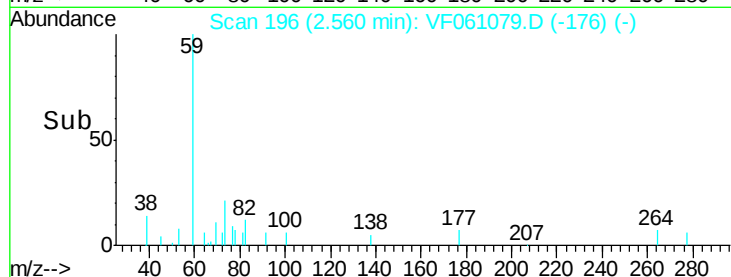
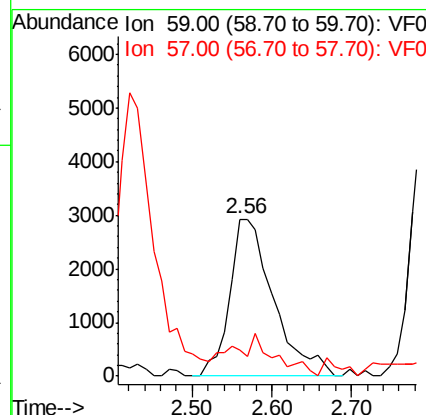
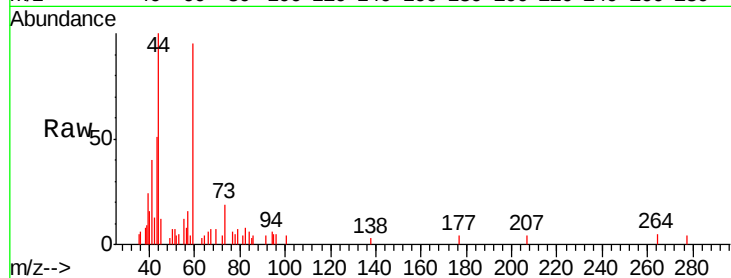
Tert butyl alcohol
Concen: 91.853 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	16.9	11.5	17.3

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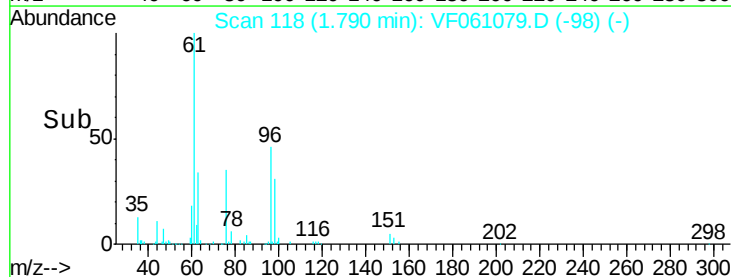
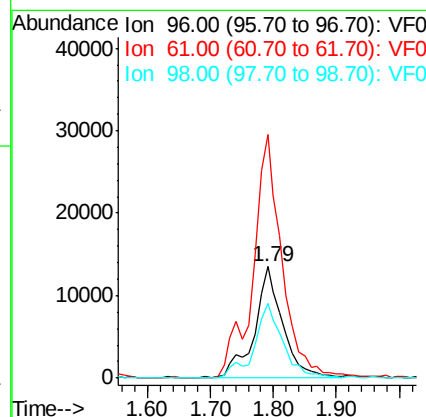
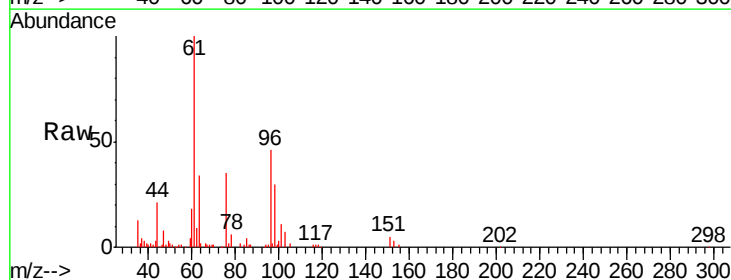
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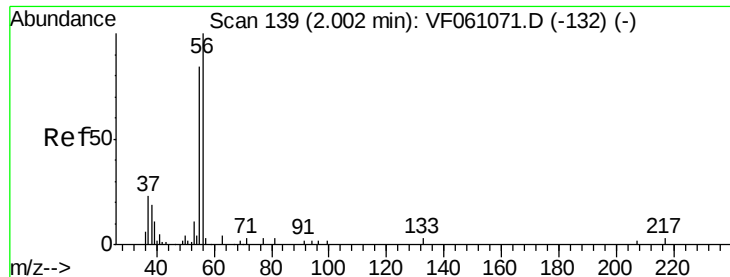


#12

1,1-Dichloroethene
Concen: 20.544 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	218.3	182.0	273.0
98	66.5	46.5	69.7





#13

Acrolein

Concen: 90.858 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 56 Resp: 8039

Ion Ratio Lower Upper

56 100

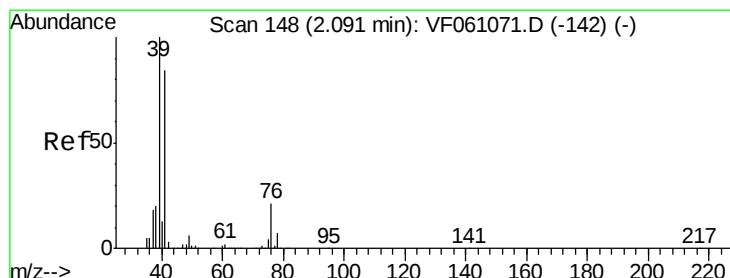
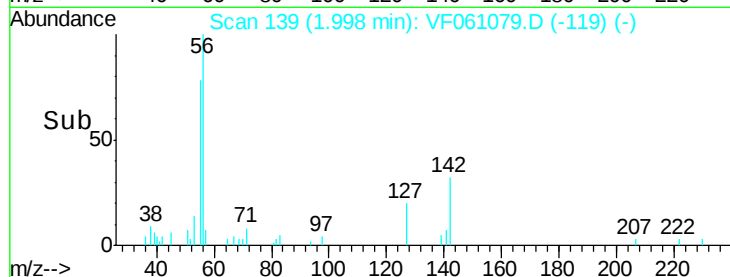
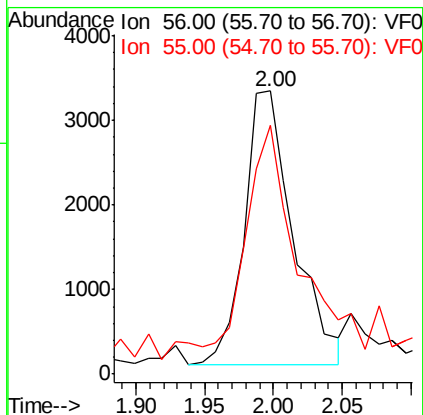
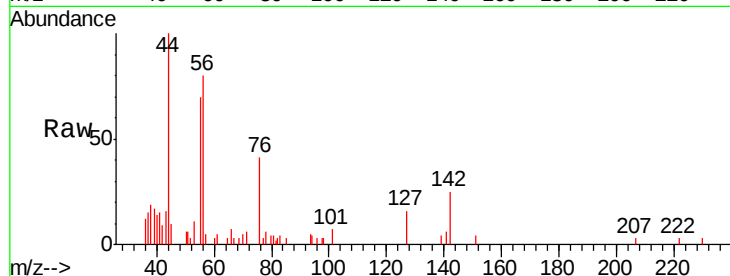
55 88.0 70.2 105.2

Manual Integrations

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#14

Allyl chloride

Concen: 24.148 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

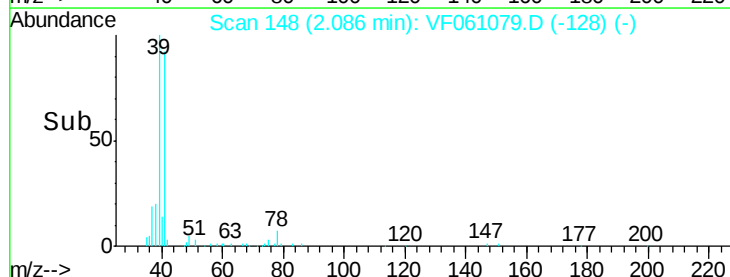
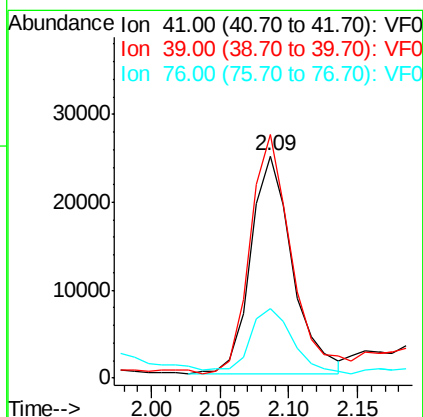
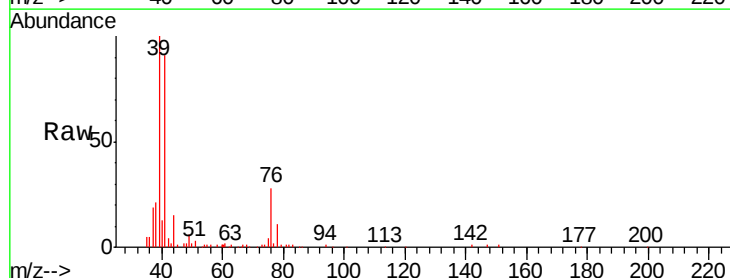
Tgt Ion: 41 Resp: 52259

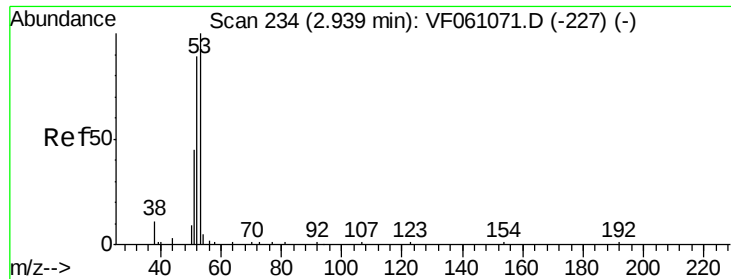
Ion Ratio Lower Upper

41 100

39 109.6 96.4 144.6

76 31.2 25.4 38.0





#15

Acrylonitrile

Concen: 100.882 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

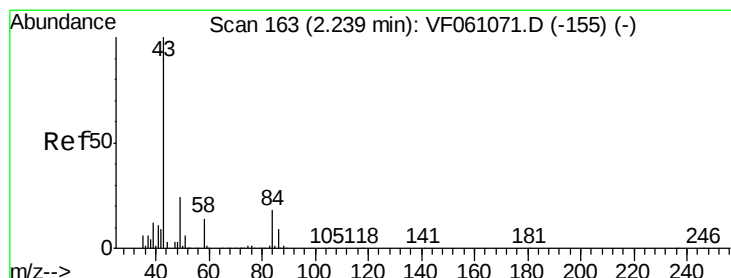
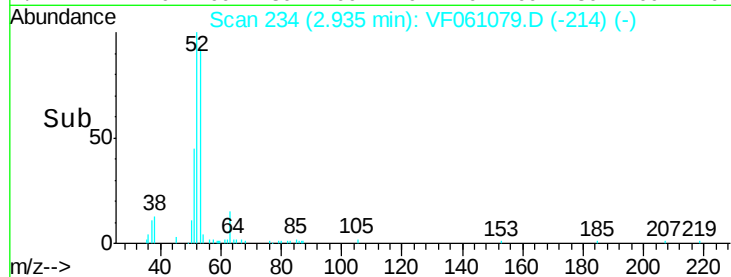
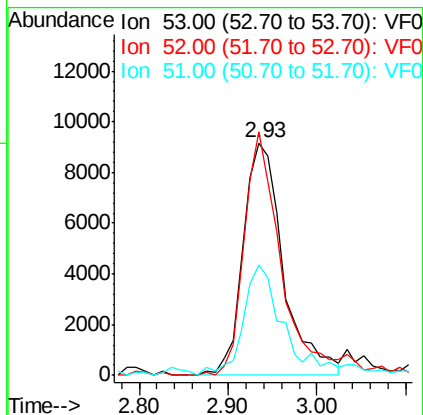
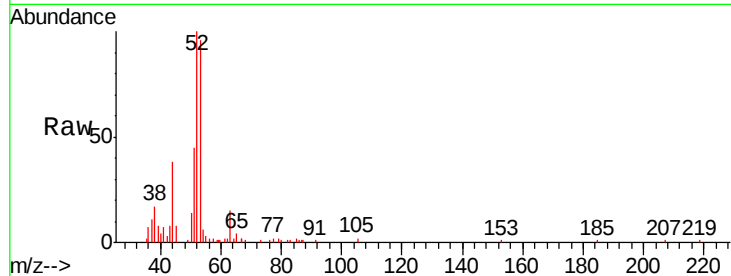
ClientSampleId :

VF1219SBS01

Tgt Ion:	53	Resp:	28564
Ion Ratio	Lower	Upper	
53	100		
52	104.6	71.3	106.9
51	47.3	36.8	55.2

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#16

Acetone

Concen: 95.779 ug/l

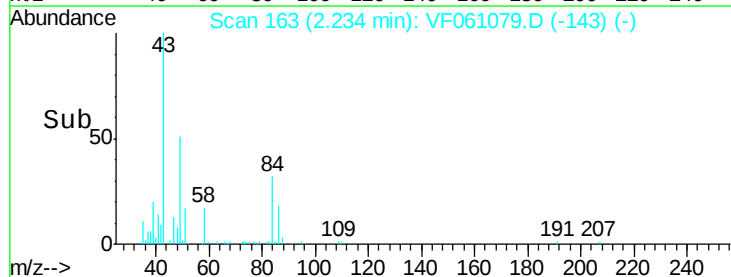
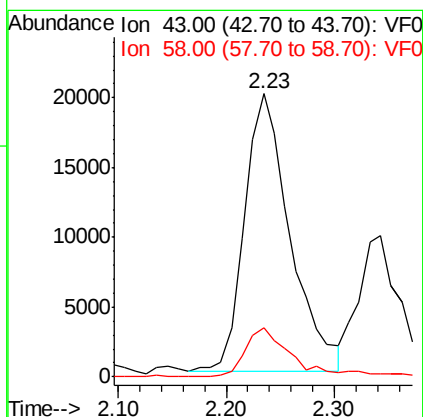
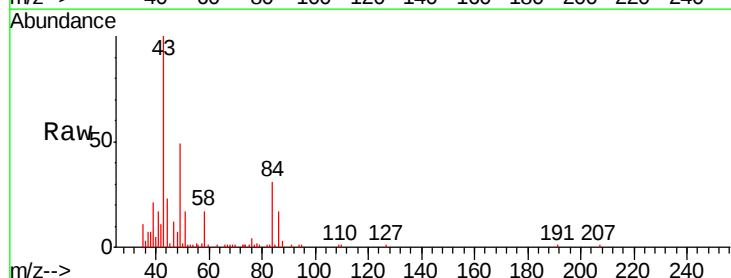
RT: 2.23 min Scan# 163

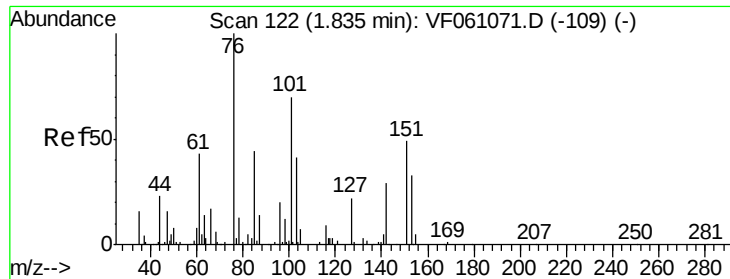
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	43	Resp:	58098
Ion Ratio	Lower	Upper	
43	100		
58	17.2	11.1	16.7#





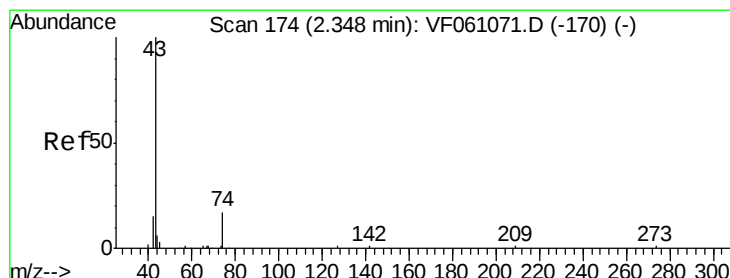
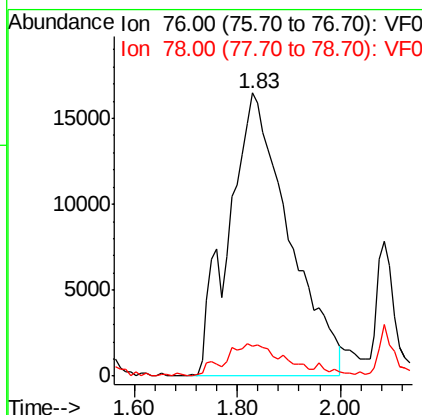
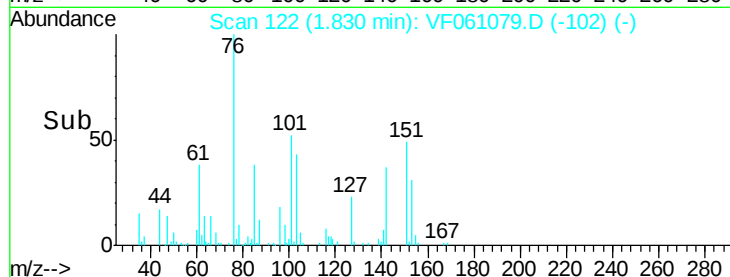
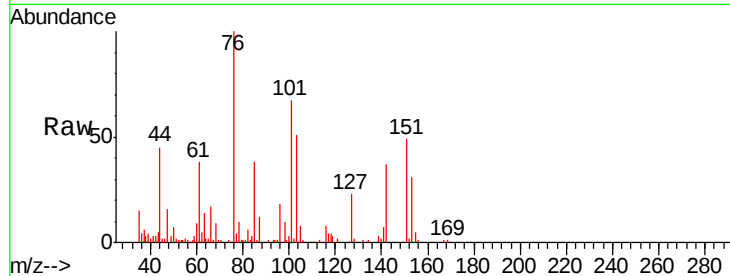
#17
Carbon Disulfide
Concen: 21.157 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 76 Resp: 132962
Ion Ratio Lower Upper
76 100
78 10.4 10.2 15.4

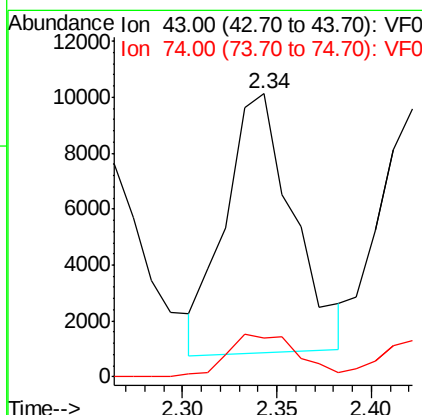
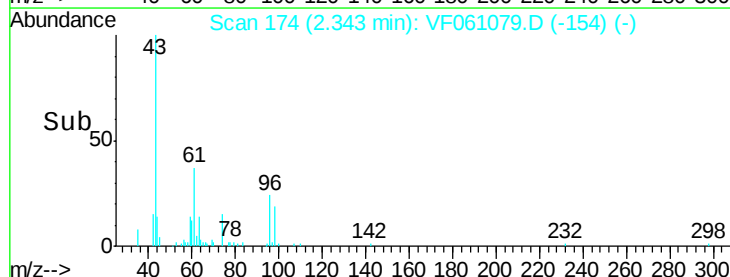
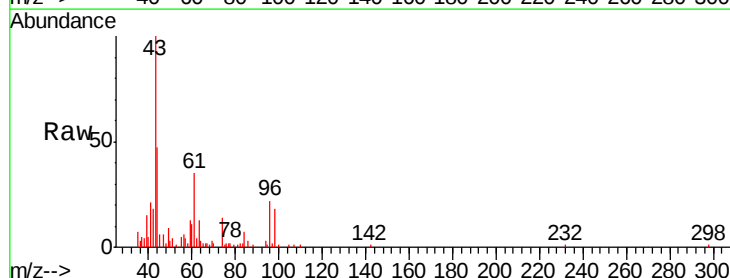
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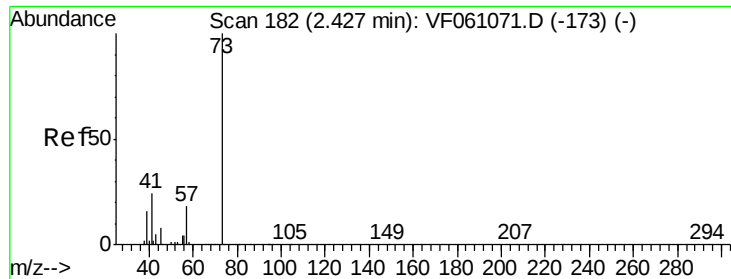
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#18
Methyl Acetate
Concen: 18.420 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion: 43 Resp: 23117
Ion Ratio Lower Upper
43 100
74 13.7 11.0 16.6





#19

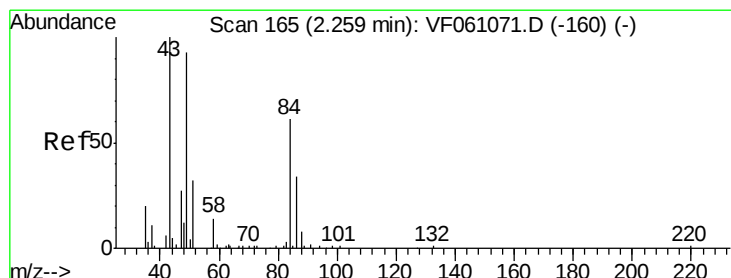
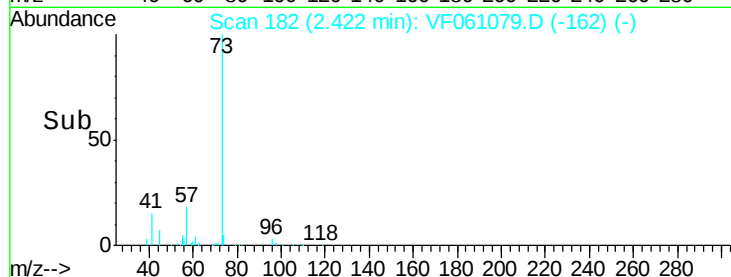
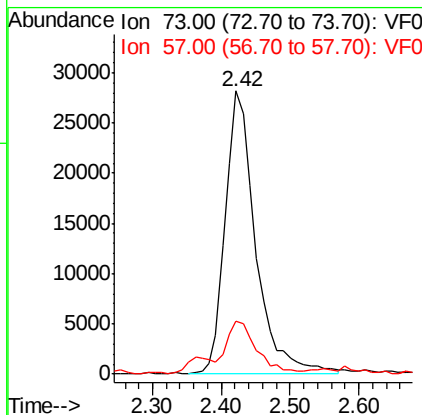
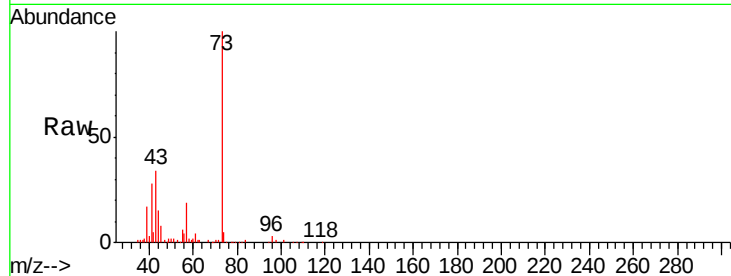
Methyl tert-butyl Ether
Concen: 18.791 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.7	14.5	21.7

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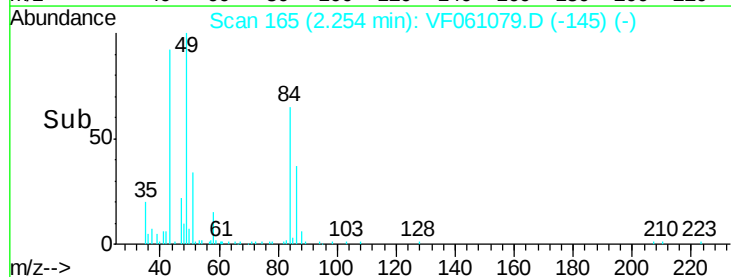
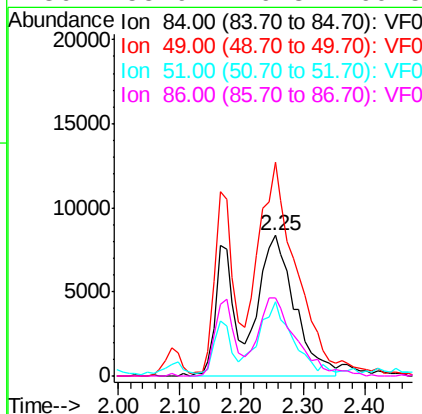
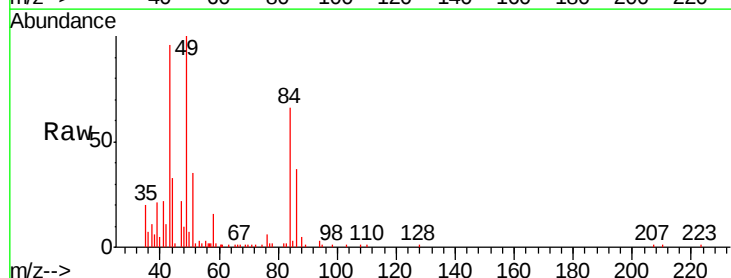
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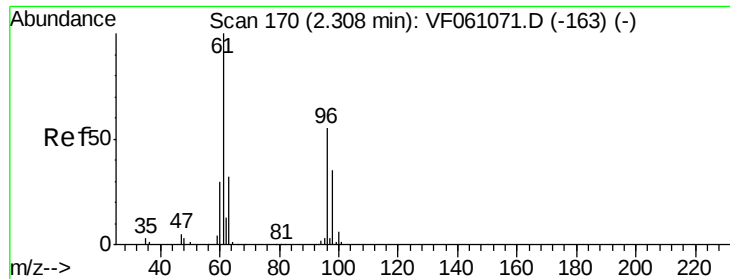


#20

Methylene Chloride
Concen: 23.248 ug/l m
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.2	129.4	194.2
51	53.1	44.0	66.0
86	55.9	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 20.971 ug/l m

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

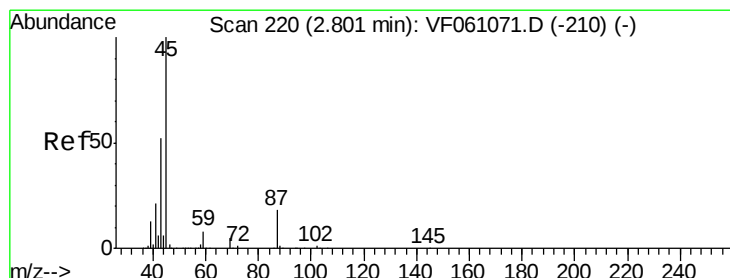
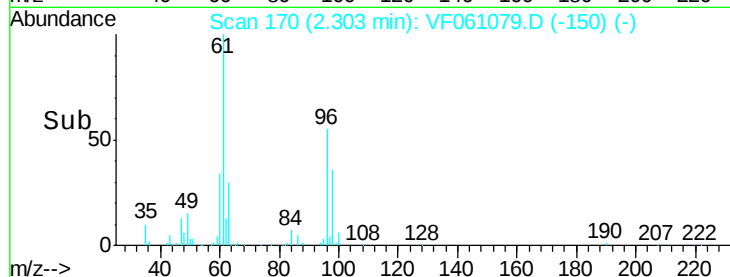
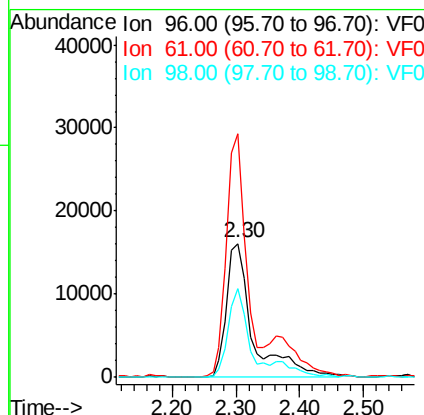
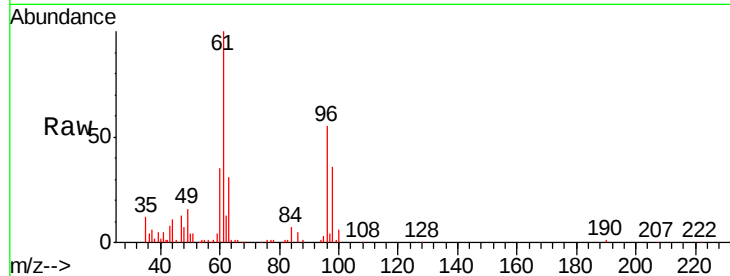
ClientSampleId :

VF1219SBS01

Tgt Ion:	96	Resp:	46645
Ion	Ratio	Lower	Upper
96	100		
61	181.9	146.0	219.0
98	65.9	51.6	77.4

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#22

Diisopropyl ether

Concen: 20.562 ug/l

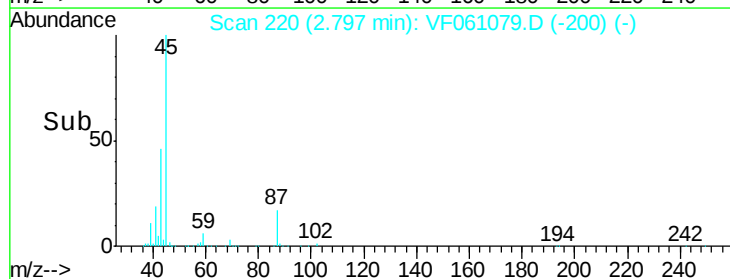
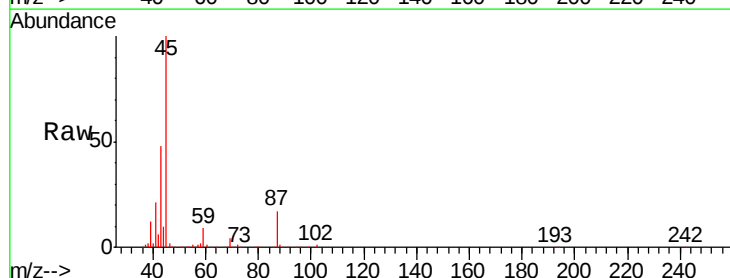
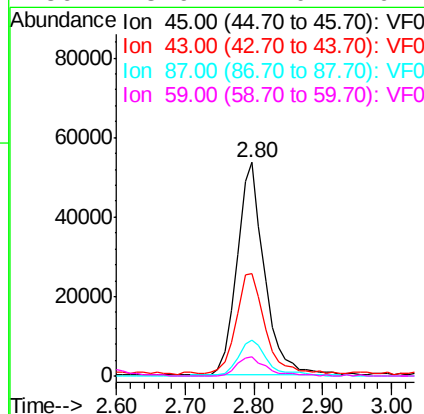
RT: 2.80 min Scan# 220

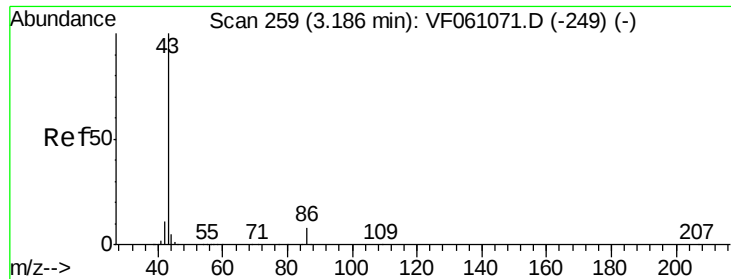
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	45	Resp:	148228
Ion	Ratio	Lower	Upper
45	100		
43	47.8	42.2	63.2
87	17.0	14.6	22.0
59	8.9	7.0	10.4





#23

Vinyl Acetate

Concen: 103.318 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

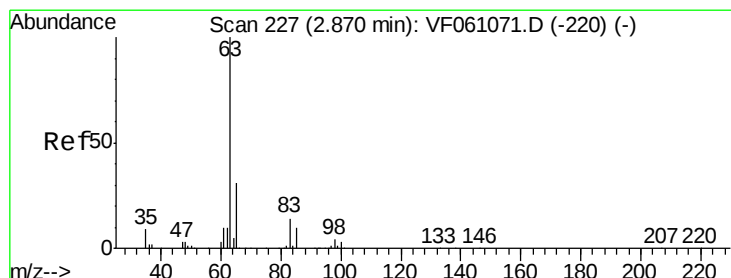
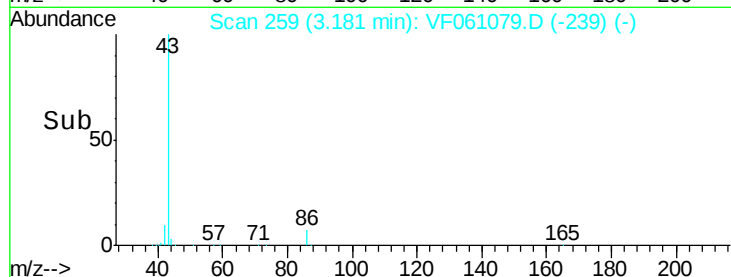
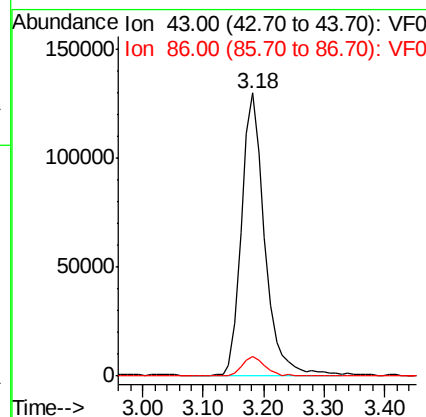
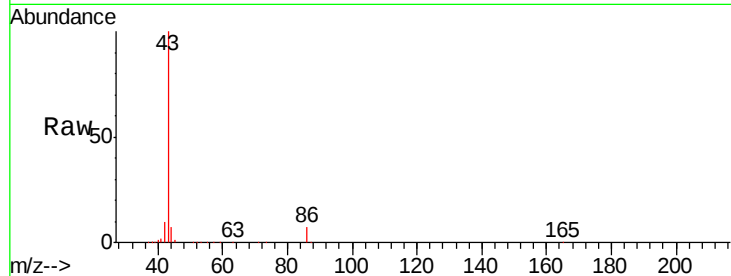
ClientSampleId :

VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.3	9.5

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#24

1,1-Dichloroethane

Concen: 20.676 ug/l

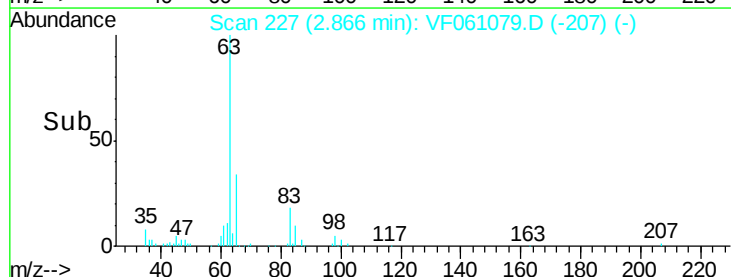
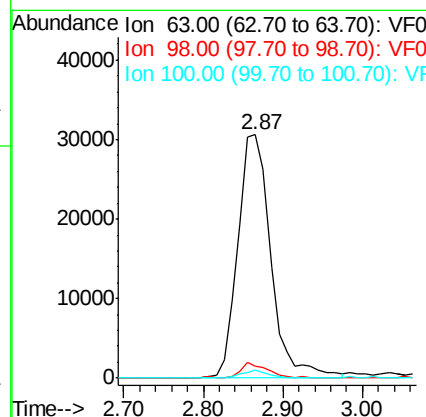
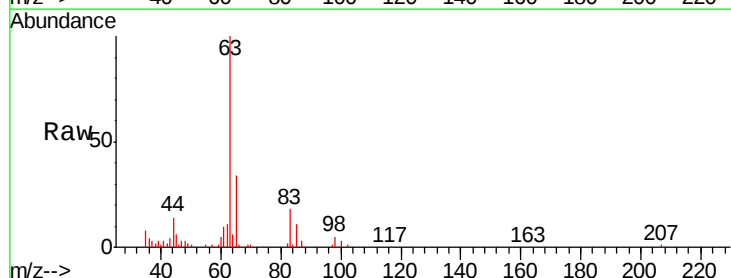
RT: 2.87 min Scan# 227

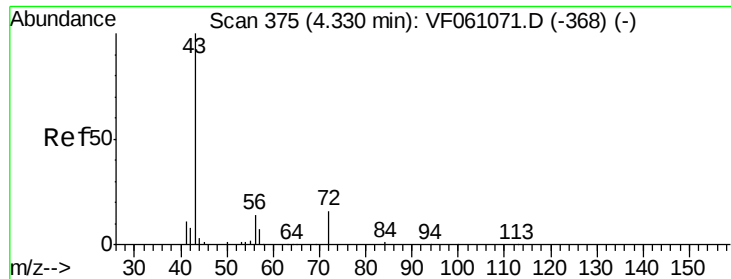
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.1	6.5
100	3.4	1.7	5.1





#25

2-Butanone

Concen: 101.694 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 43 Resp: 100043

Ion Ratio Lower Upper

43 100

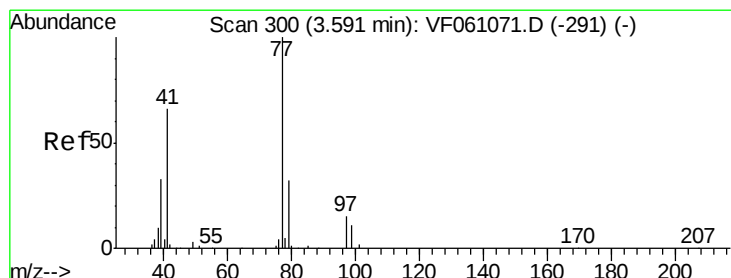
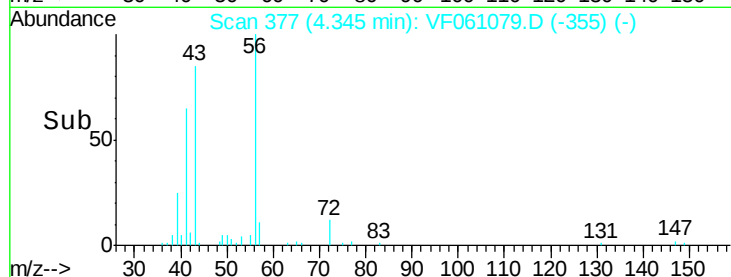
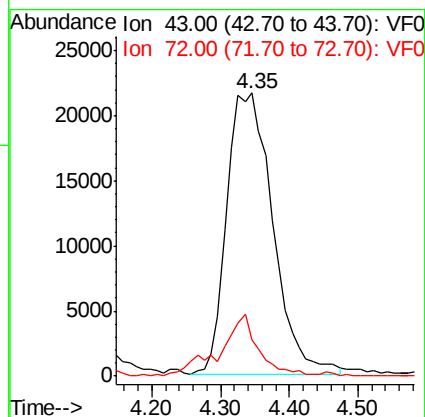
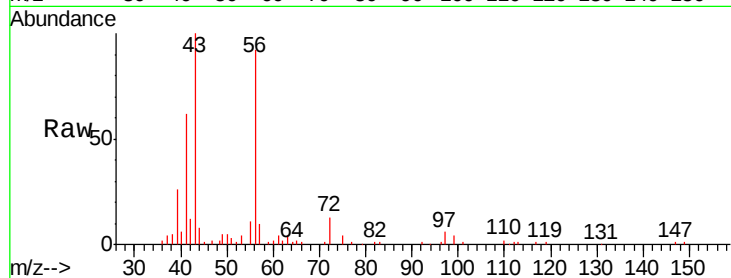
72 12.8 15.6 23.4#

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#26

2,2-Dichloropropane

Concen: 21.841 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061079.D

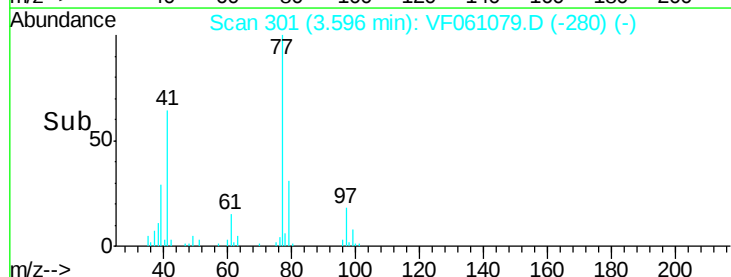
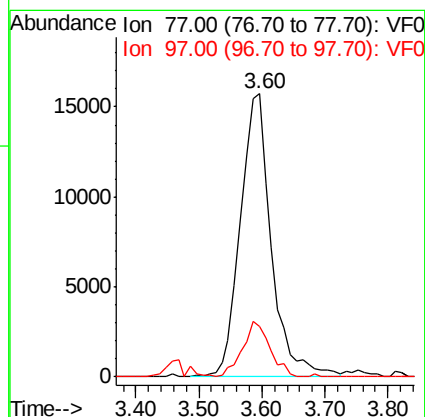
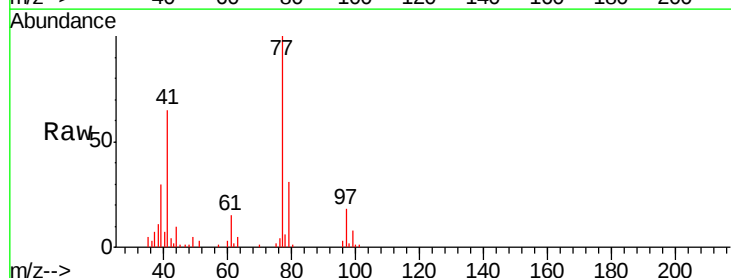
Acq: 19 Dec 2018 12:25

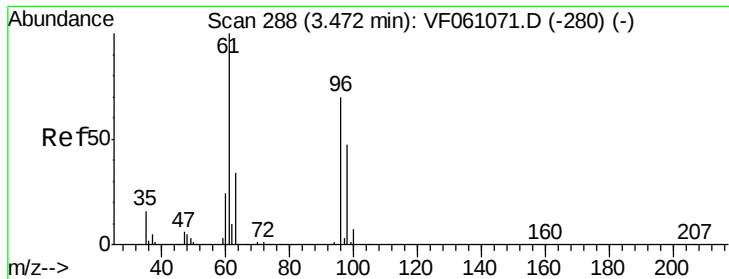
Tgt Ion: 77 Resp: 53535

Ion Ratio Lower Upper

77 100

97 17.7 8.2 24.4





#27

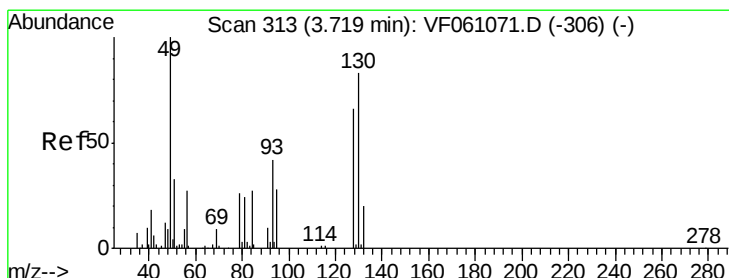
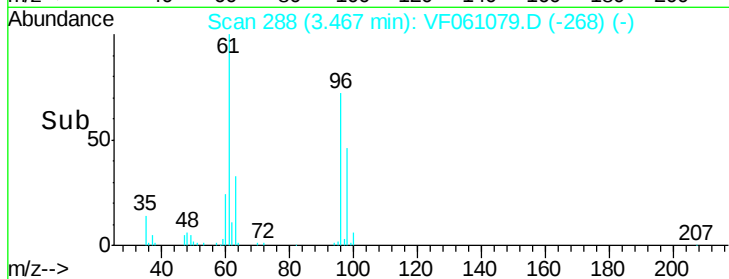
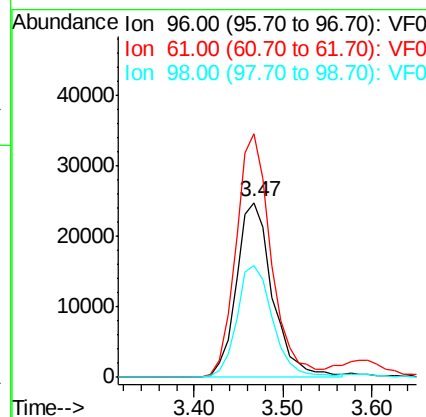
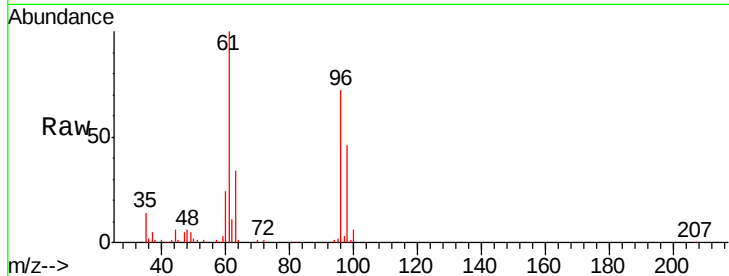
cis-1,2-Dichloroethene
Concen: 20.627 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	70239		
61	139.3		0.0	287.8
98	64.0		0.0	134.2

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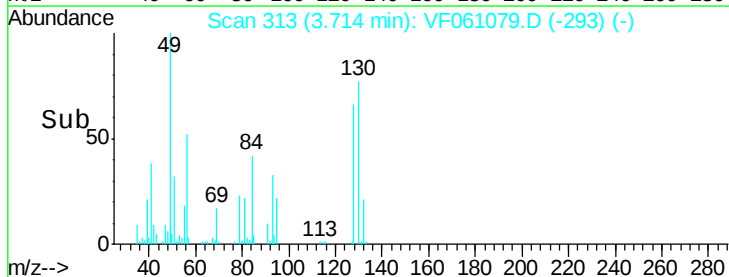
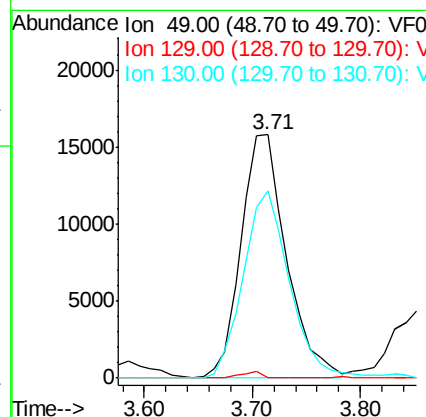
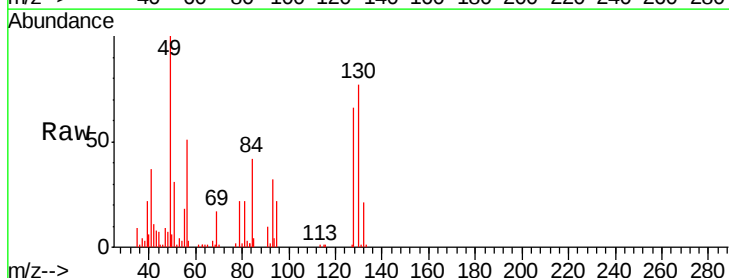
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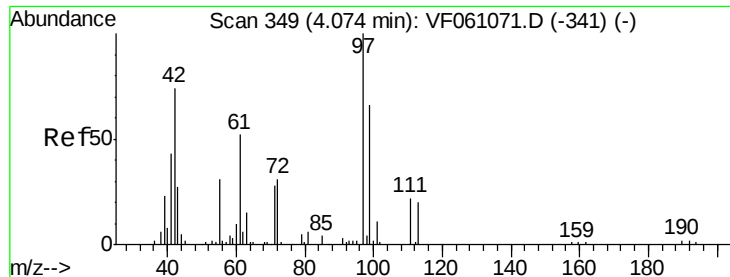


#28

Bromochloromethane
Concen: 21.351 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46272		
129	0.0		0.0	3.6
130	76.7		65.8	98.6





#29

Tetrahydrofuran

Concen: 93.573 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

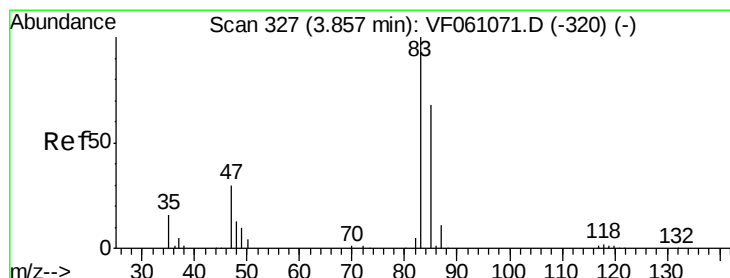
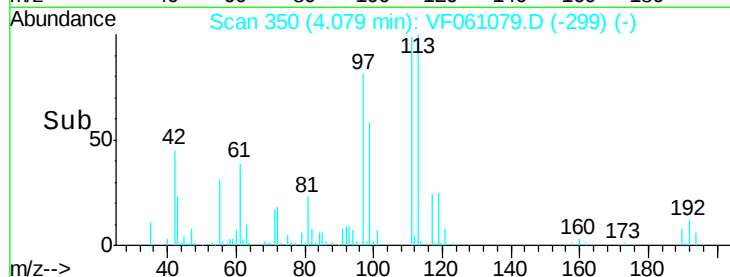
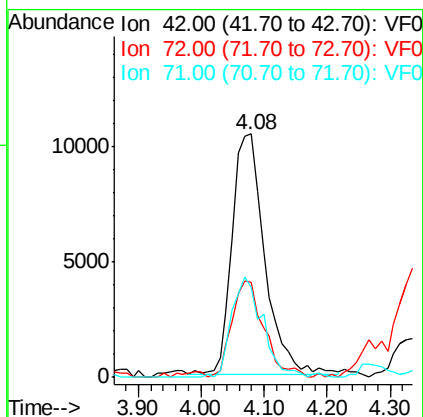
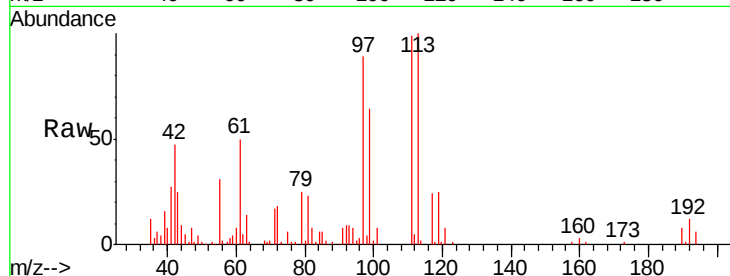
ClientSampleId :

VF1219SBS01

Tgt Ion:	42	Resp:	37467
Ion Ratio	Lower	Upper	
42	100		
72	39.3	31.8	47.8
71	39.4	29.7	44.5

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#30

Chloroform

Concen: 19.648 ug/l

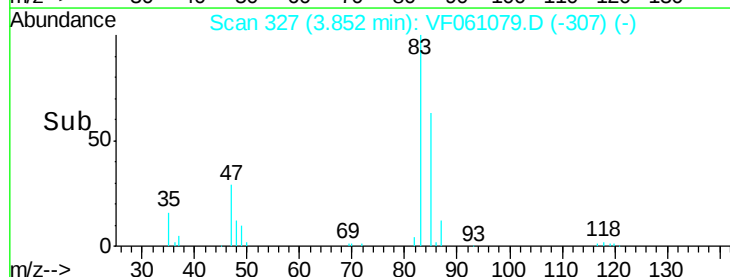
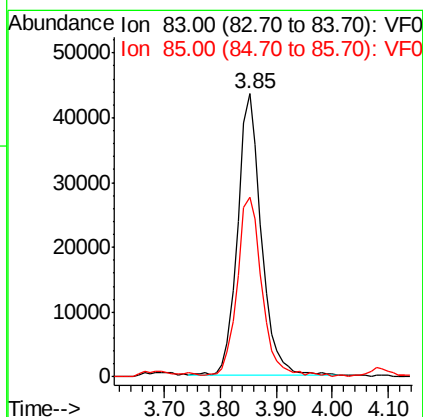
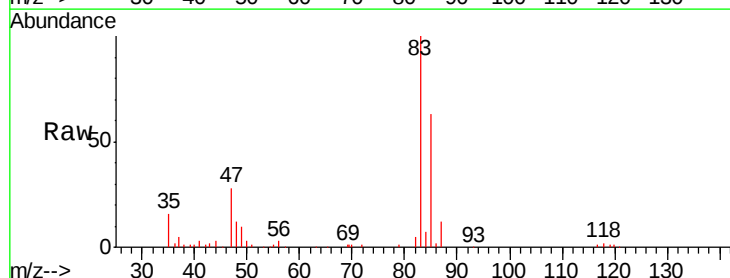
RT: 3.85 min Scan# 327

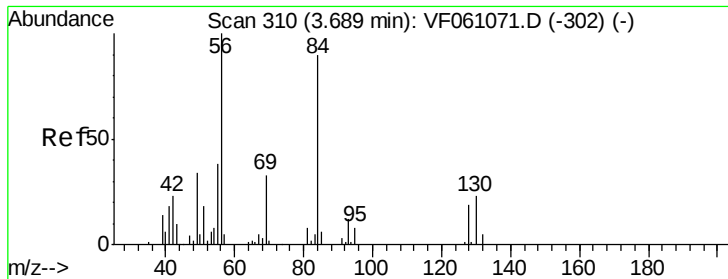
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	83	Resp:	125834
Ion Ratio	Lower	Upper	
83	100		
85	63.3	54.5	81.7





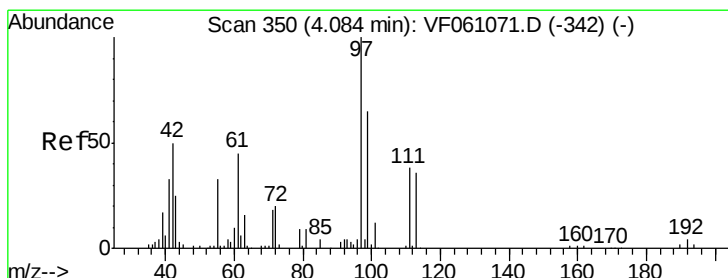
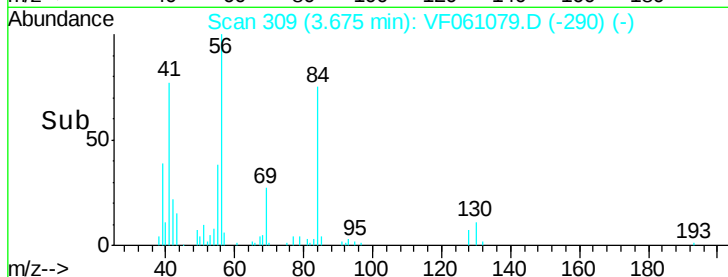
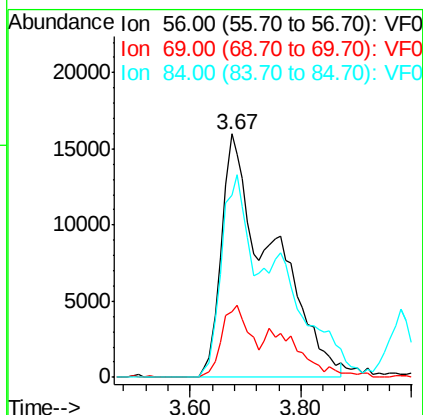
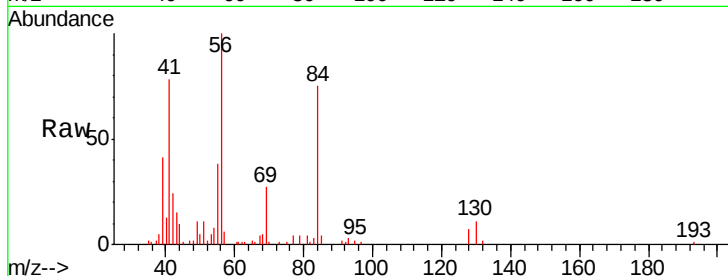
#31
Cyclohexane
Concen: 22.718 ug/l m
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	26.9	26.0	39.0
84	75.0	71.4	107.2

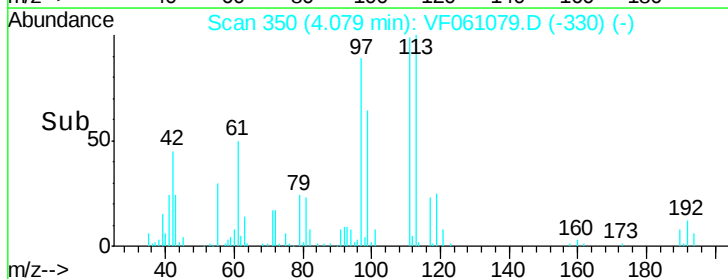
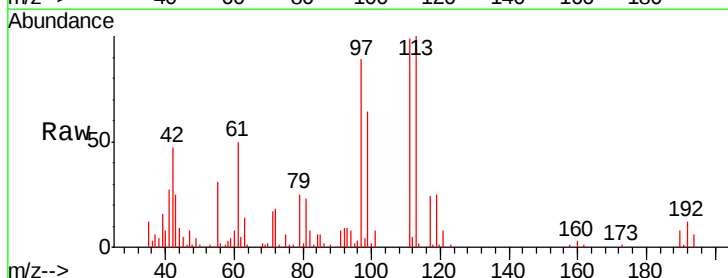
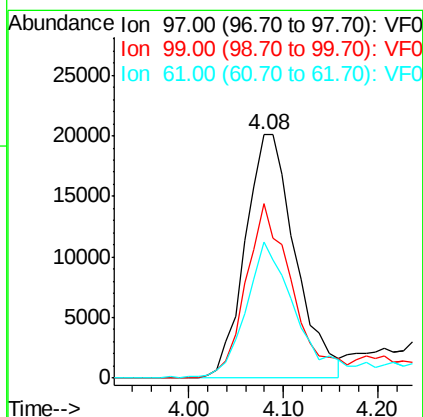
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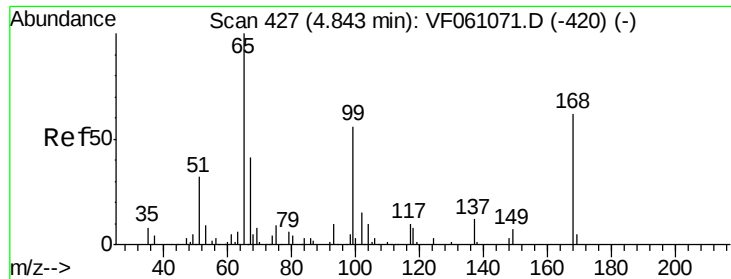
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#32
1,1,1-Trichloroethane
Concen: 19.242 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	71.4	51.6	77.4
61	55.8	36.2	54.2





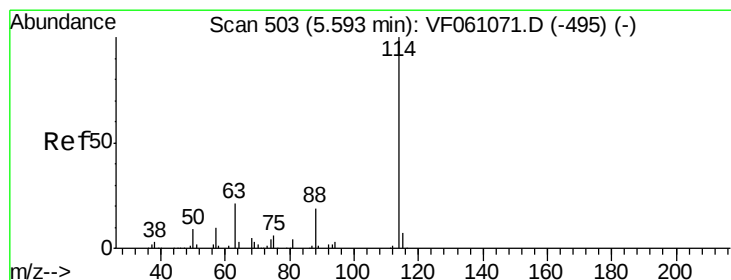
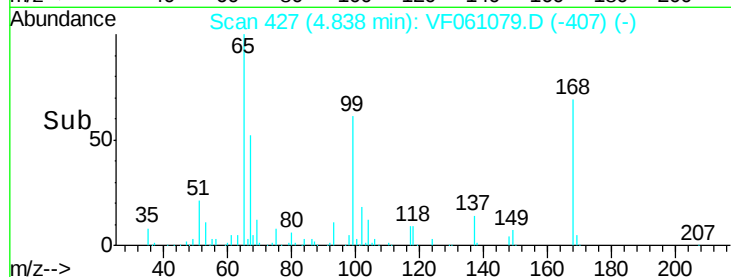
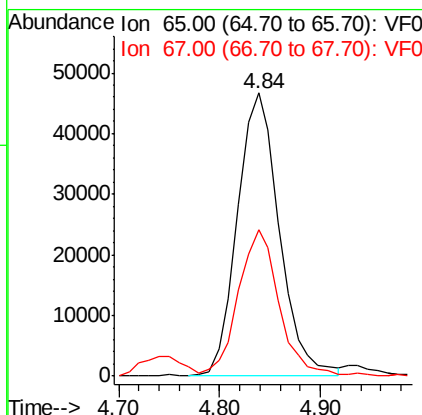
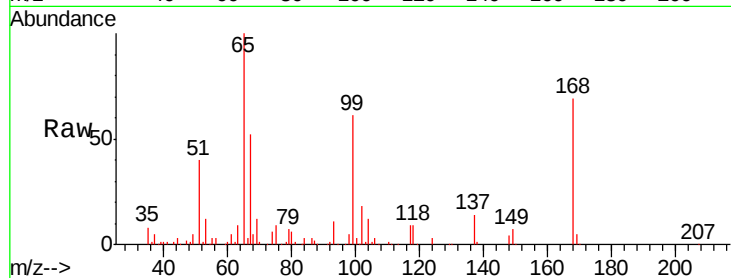
#33
 1,2-Dichloroethane-d4
 Concen: 44.295 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1219SBS01

Tgt Ion: 65 Resp: 134405
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 94.6

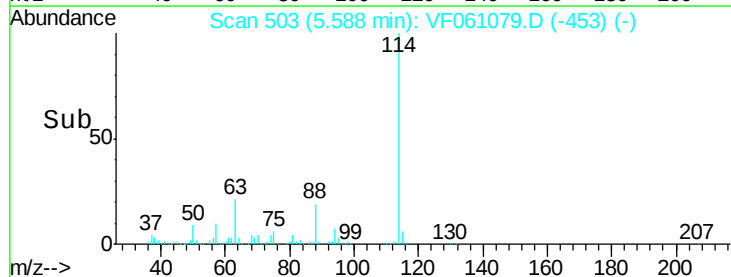
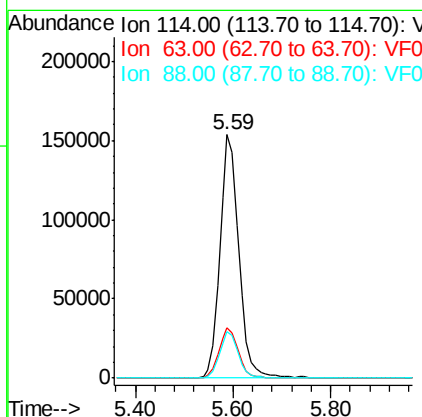
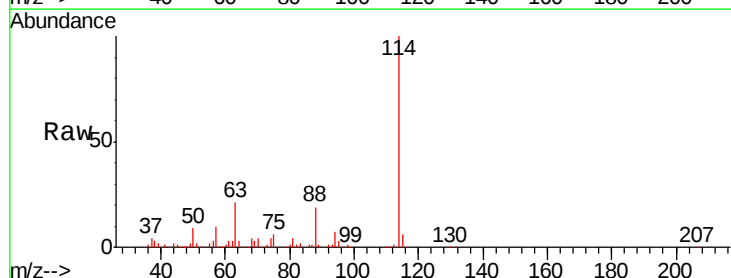
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Tgt Ion: 114 Resp: 414298
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.6
 88 19.3 0.0 38.0





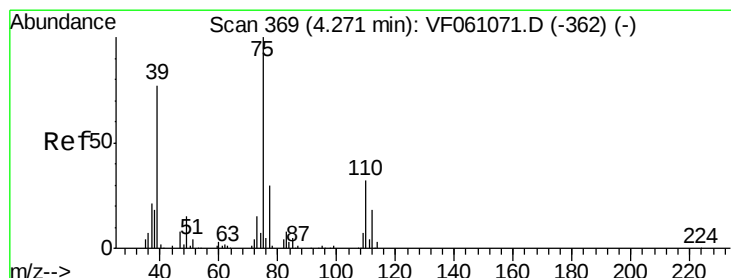
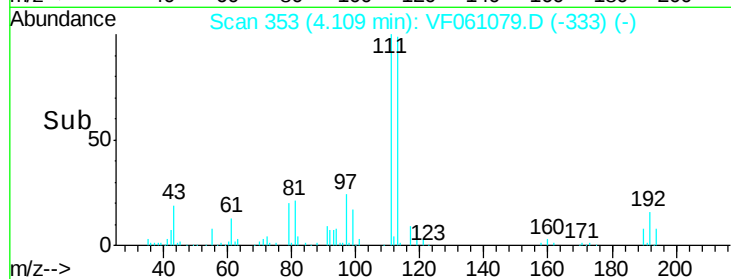
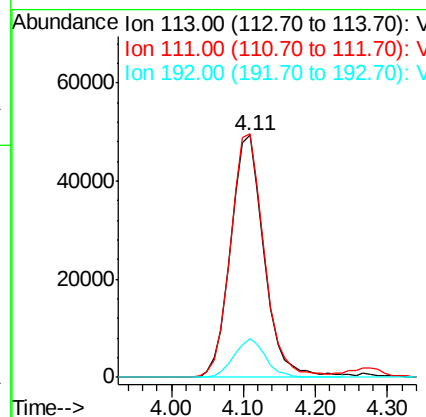
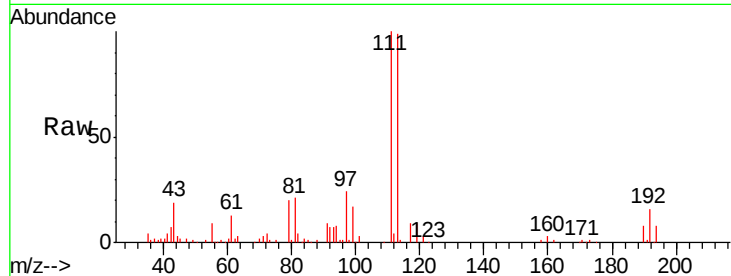
#35
 Dibromofluoromethane
 Concen: 47.912 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	159008		
111	100.7	85.2	127.8	
192	16.2	12.8	19.2	

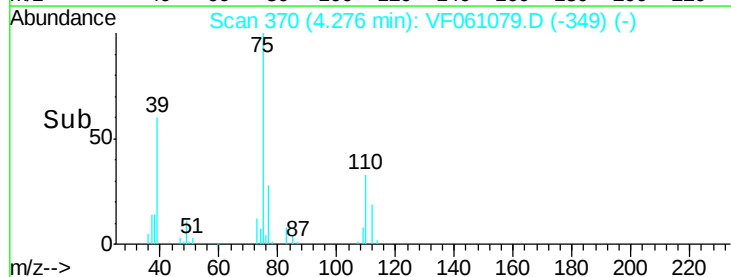
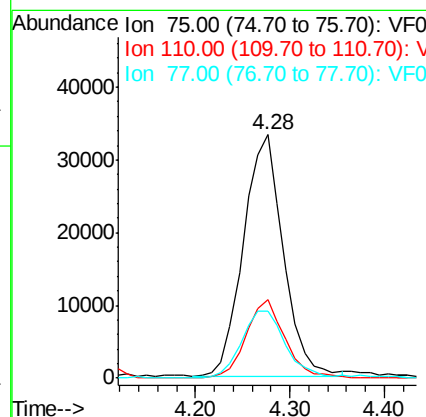
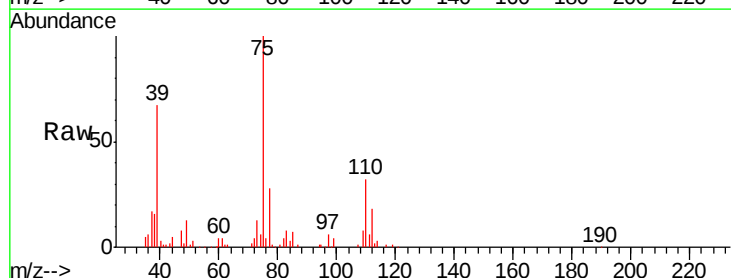
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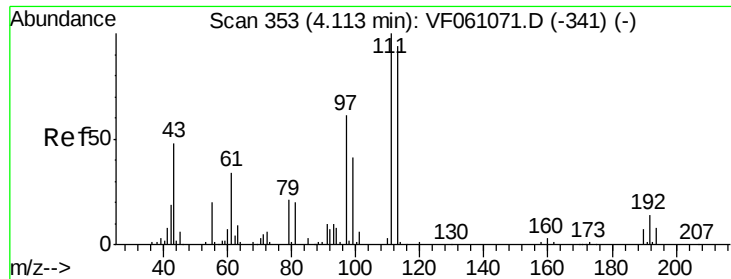
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#36
 1,1-Dichloropropene
 Concen: 19.420 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97116		
110	32.2	16.1	48.2	
77	27.6	24.5	36.7	





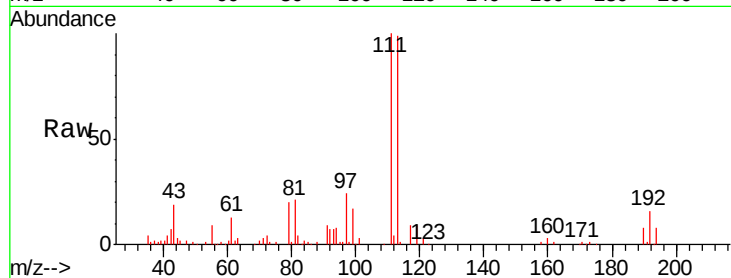
#37
Ethyl Acetate
Concen: 18.958 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

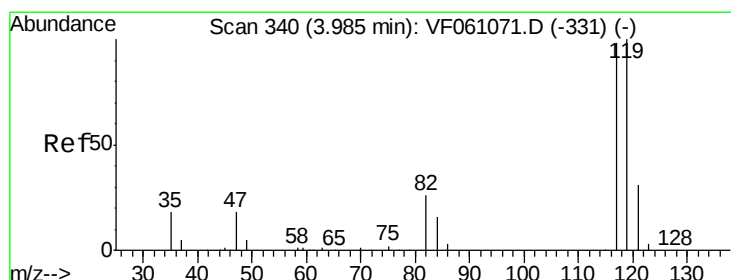
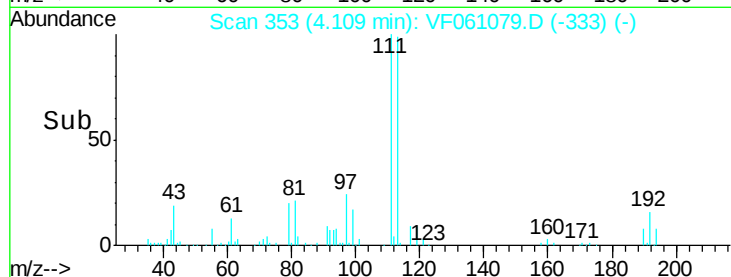
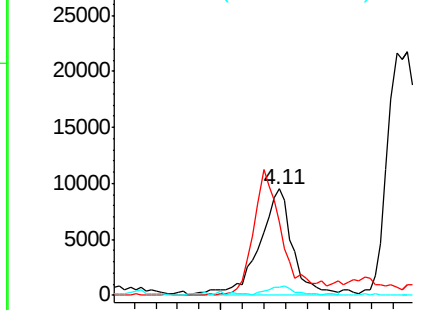
Tgt Ion	Ratio	Lower	Upper
43	100		
61	69.3	56.6	84.8
70	7.9	6.3	9.5

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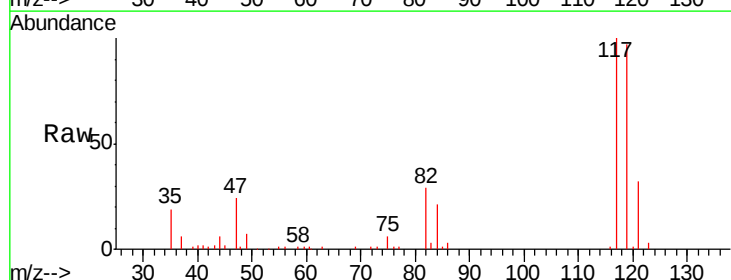


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

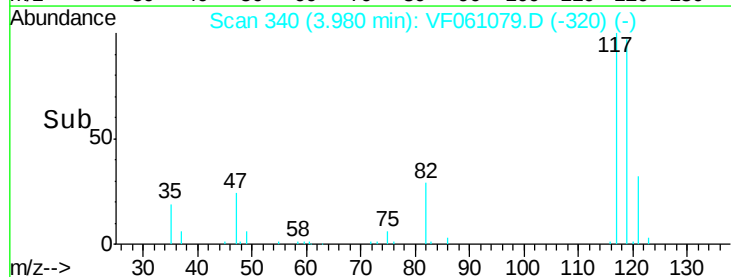
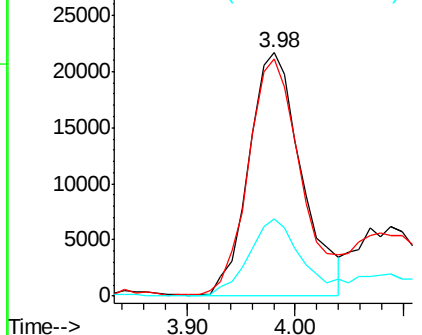


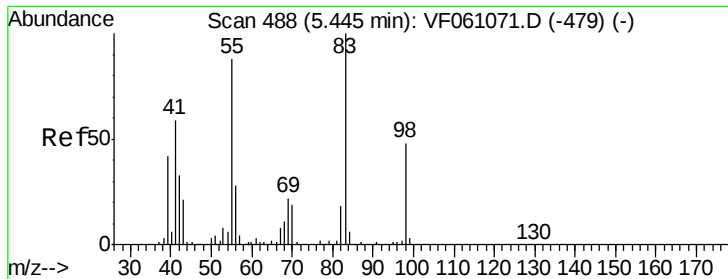
#38
Carbon Tetrachloride
Concen: 19.472 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	82.1	123.1
121	31.7	25.5	38.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





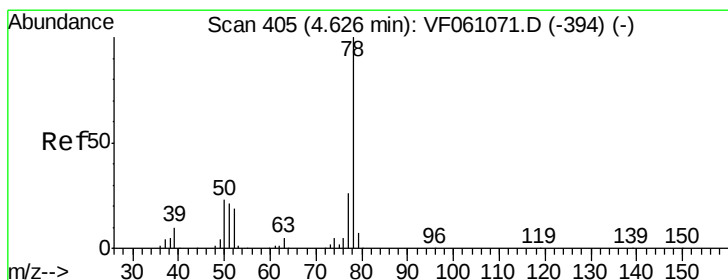
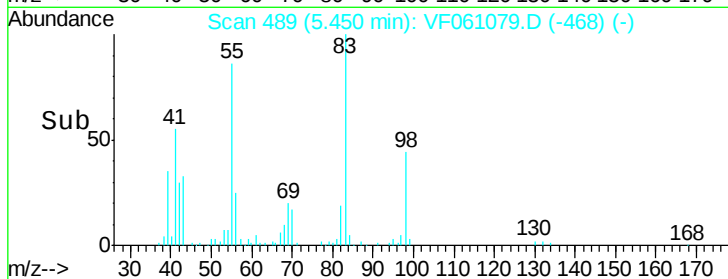
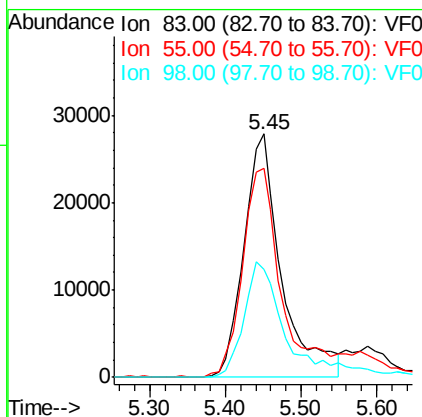
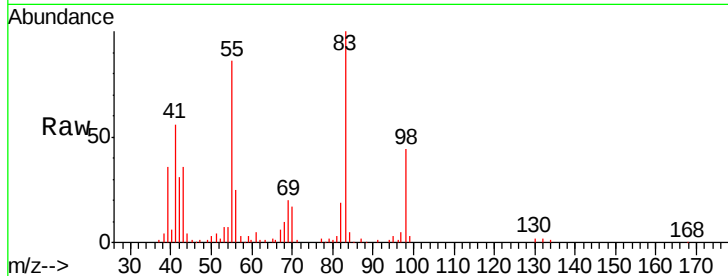
#39
Methylcyclohexane
Concen: 21.557 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.7	70.6	105.8
98	44.1	38.5	57.7

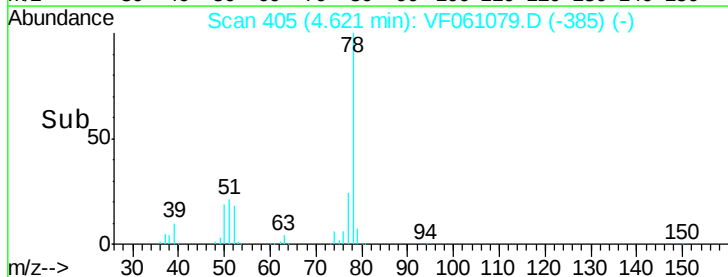
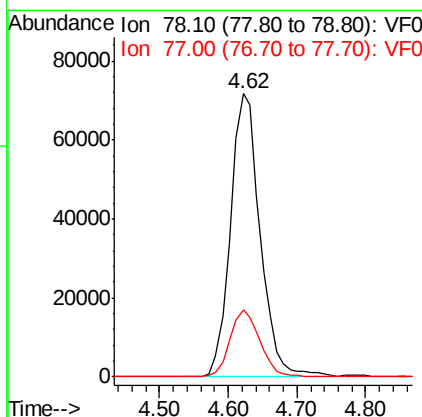
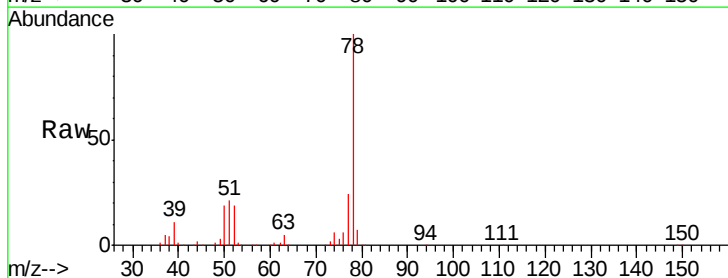
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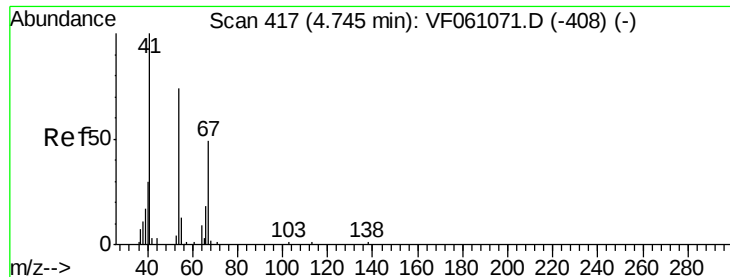
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#40
Benzene
Concen: 19.951 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.7	31.1





#41

Methacrylonitrile

Concen: 17.890 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

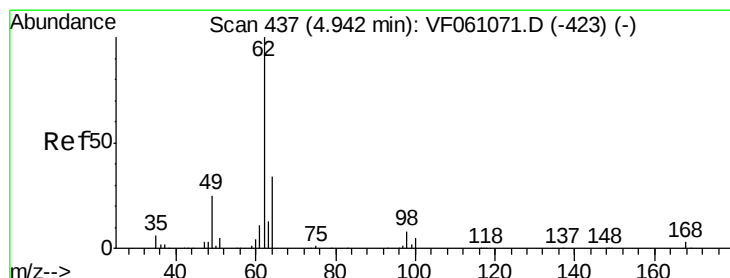
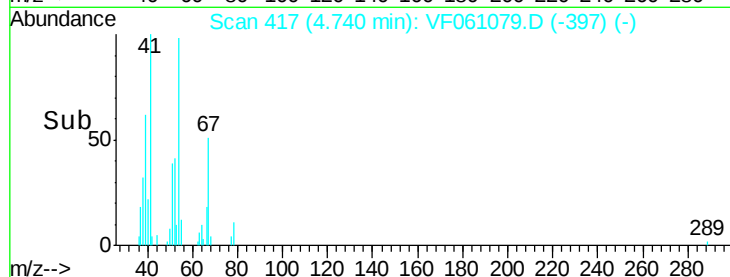
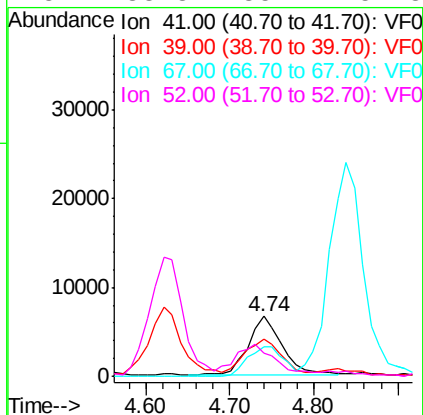
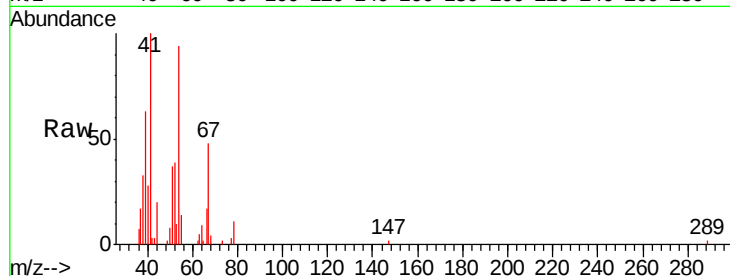
ClientSampleId :

VF1219SBS01

Tgt Ion:	41	Resp:	18894
Ion	Ratio	Lower	Upper
41	100		
39	63.1	45.7	68.5
67	48.3	38.9	58.3
52	38.8	35.2	52.8

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#42

1,2-Dichloroethane

Concen: 18.358 ug/l

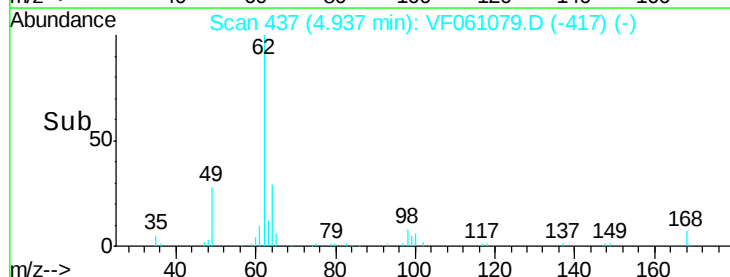
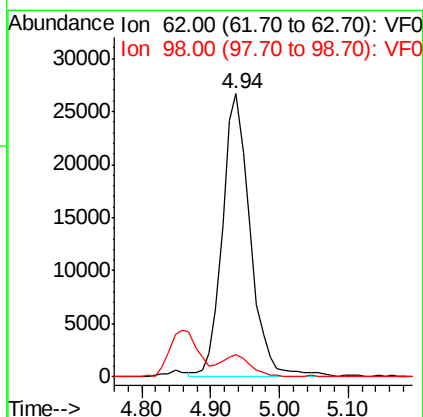
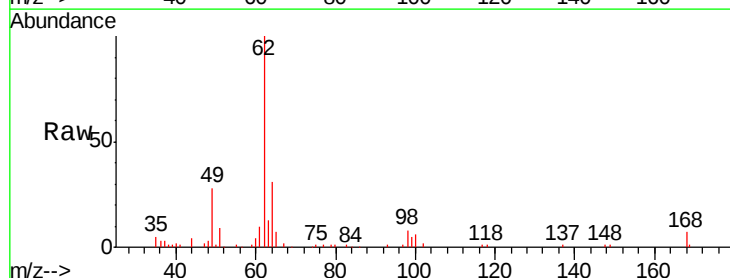
RT: 4.94 min Scan# 437

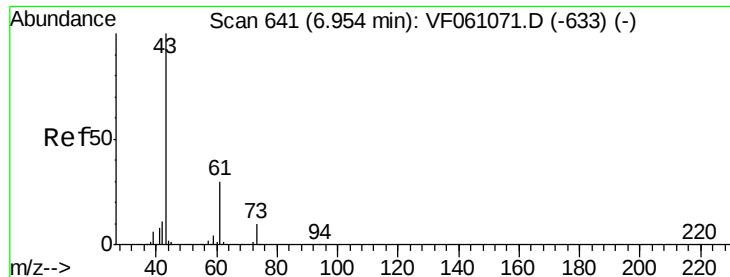
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	62	Resp:	74998
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6





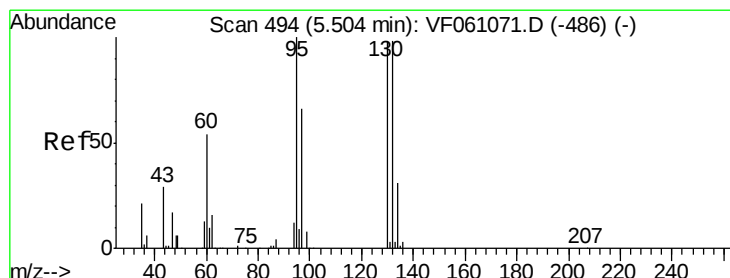
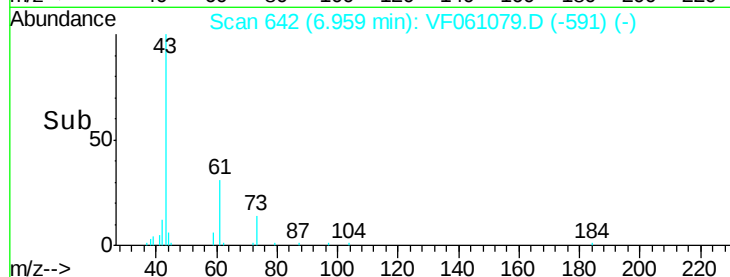
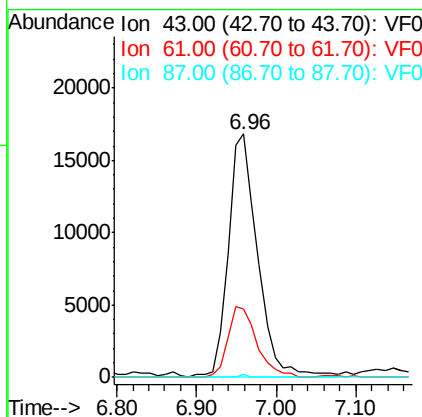
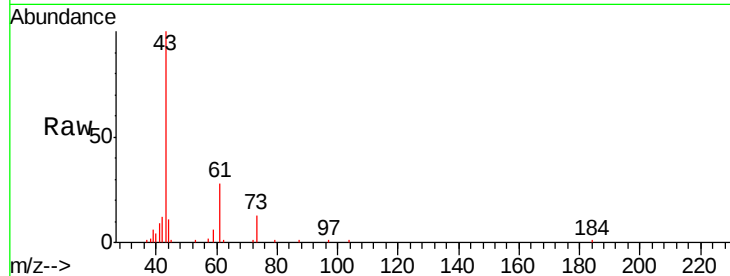
#43
Isopropyl Acetate
Concen: 17.982 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.1	23.8	35.8
87	1.3	0.0	0.0#

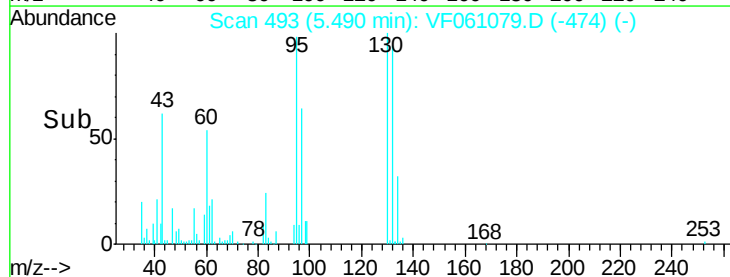
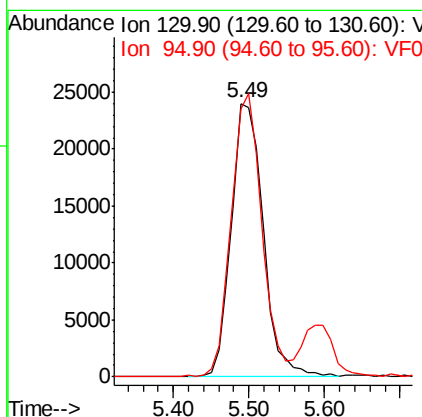
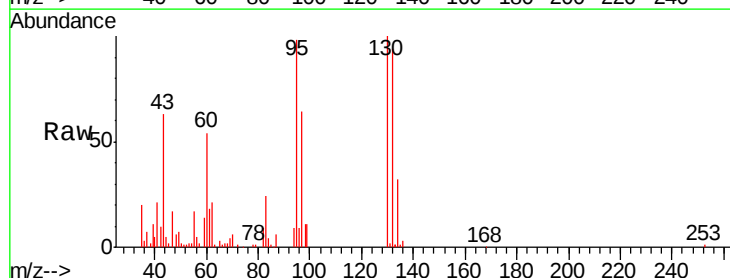
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#44
Trichloroethene
Concen: 20.699 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	205.2





#45

1,2-Dichloropropane

Concen: 19.292 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 63 Resp: 56447

Ion Ratio Lower Upper

63 100

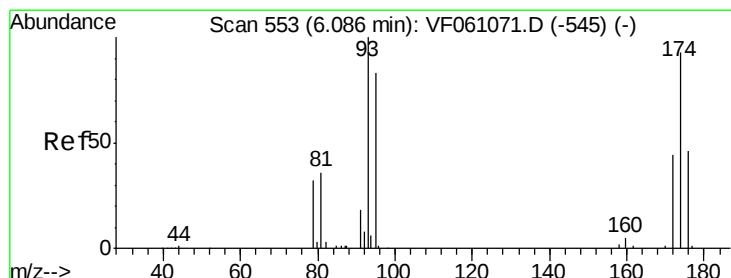
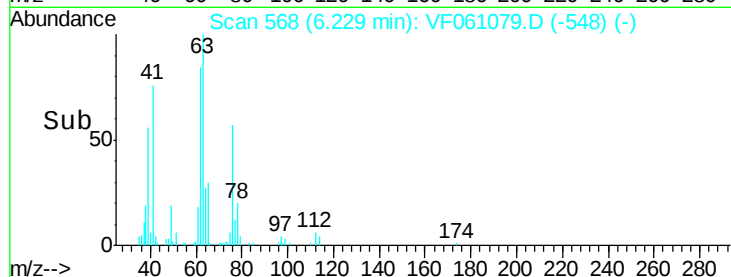
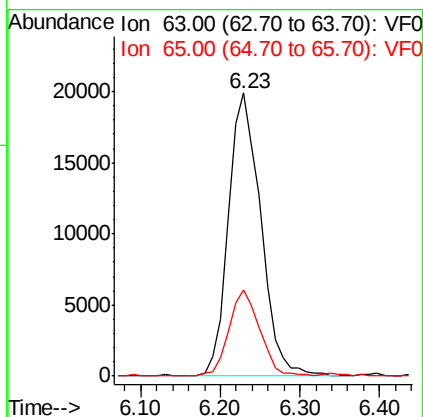
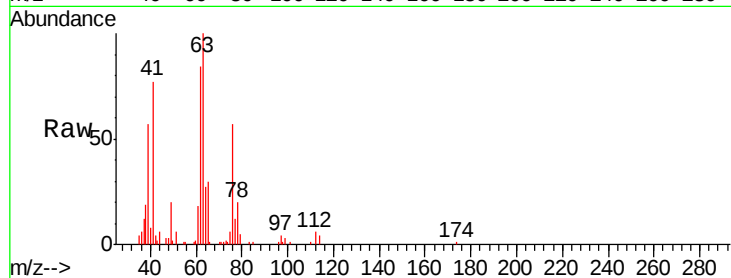
65 30.4 24.4 36.6

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#46

Dibromomethane

Concen: 19.038 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

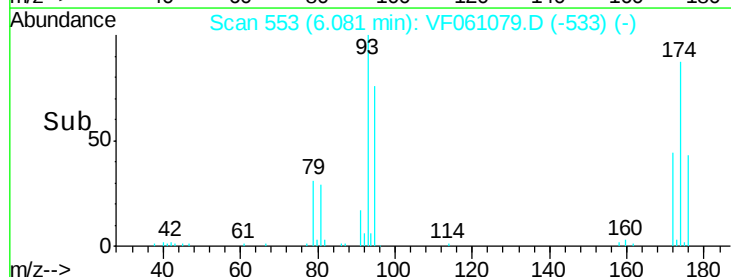
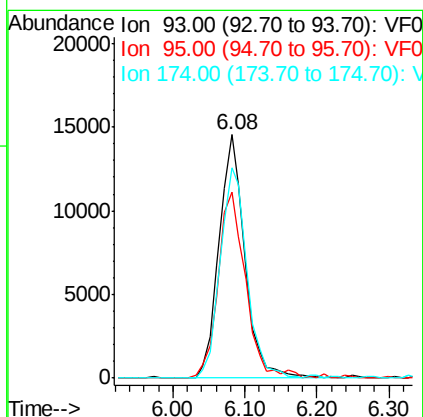
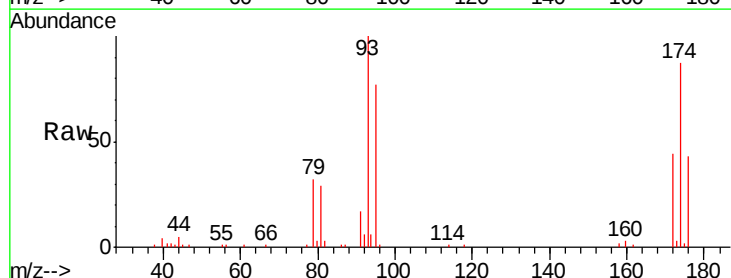
Tgt Ion: 93 Resp: 36128

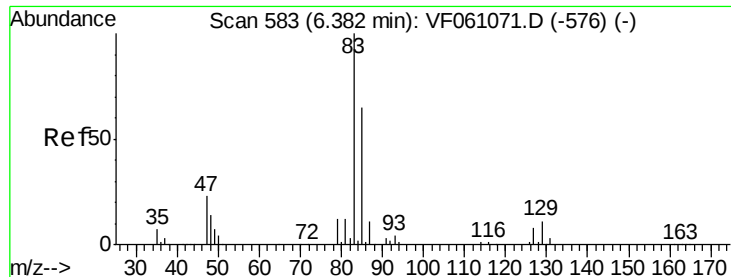
Ion Ratio Lower Upper

93 100

95 76.6 66.9 100.3

174 86.5 74.1 111.1





#47

Bromodichloromethane

Concen: 18.675 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

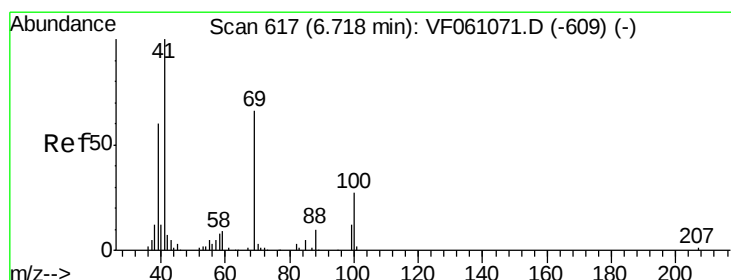
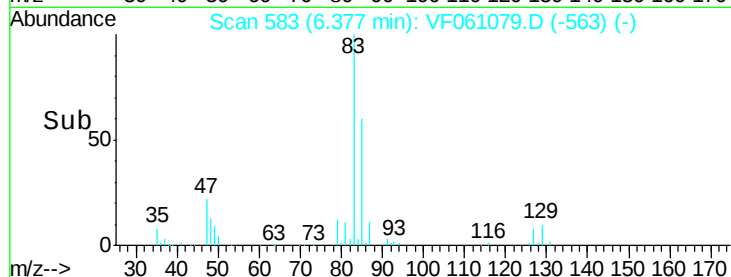
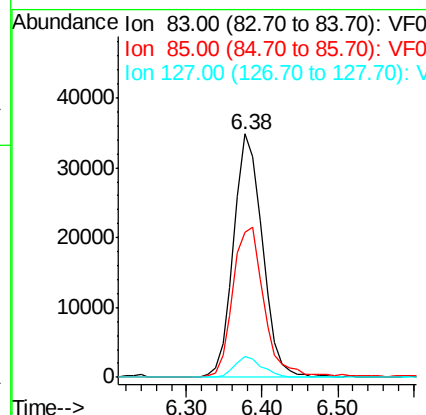
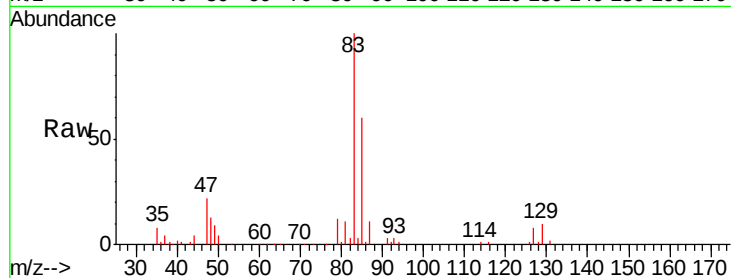
ClientSampleId :

VF1219SBS01

Tgt Ion:	83	Resp:	92079
Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.2	78.4
127	8.4	6.1	9.1

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#48

Methyl methacrylate

Concen: 17.873 ug/l

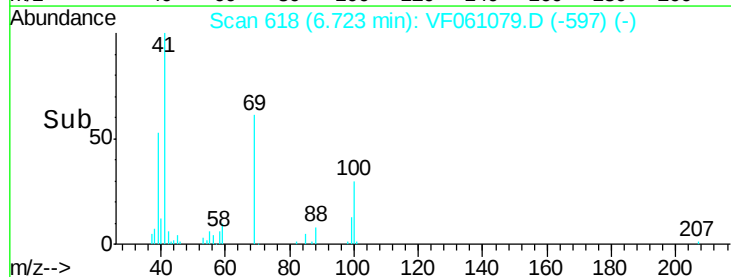
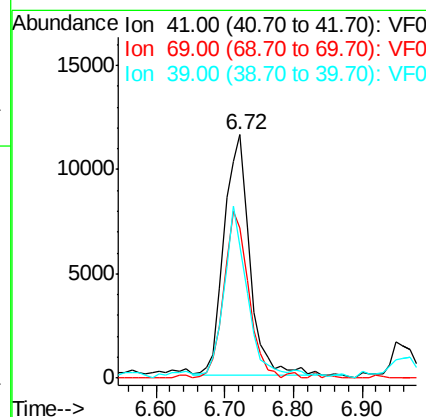
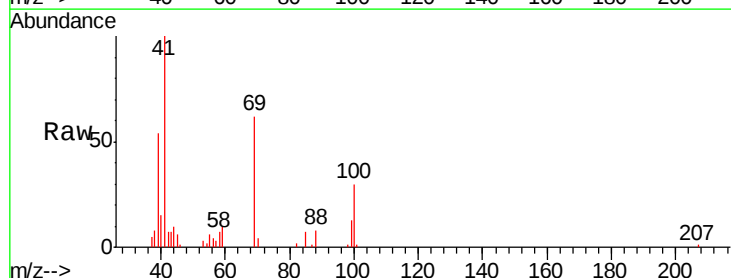
RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	41	Resp:	30129
Ion	Ratio	Lower	Upper
41	100		
69	61.5	52.7	79.1
39	54.1	47.8	71.6





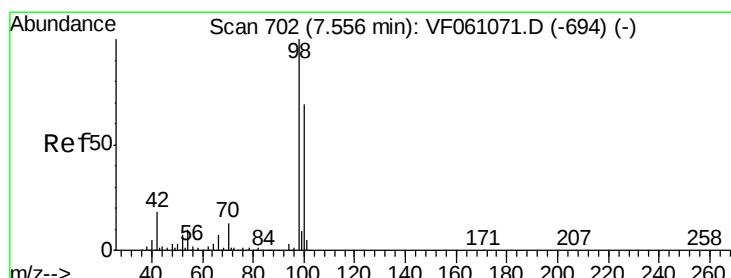
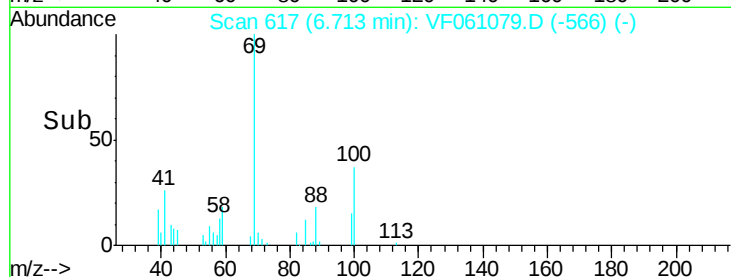
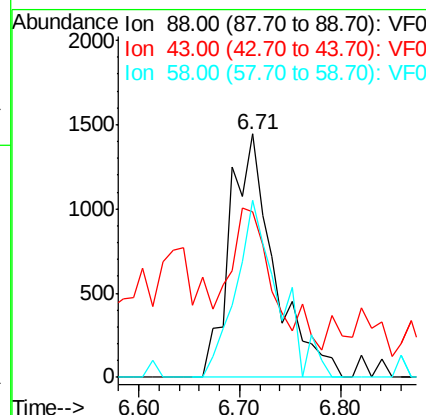
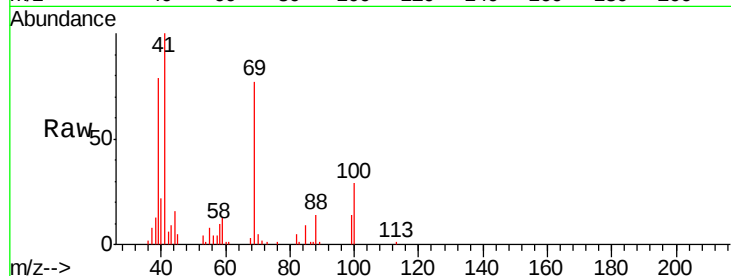
#49
1,4-Dioxane
Concen: 361.366 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	4420		
43	68.0	33.3	49.9#	
58	72.7	53.2	79.8	

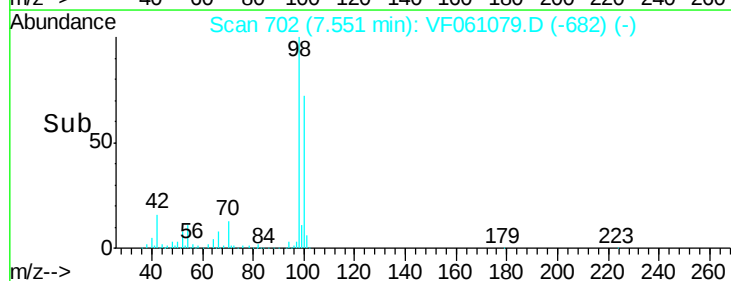
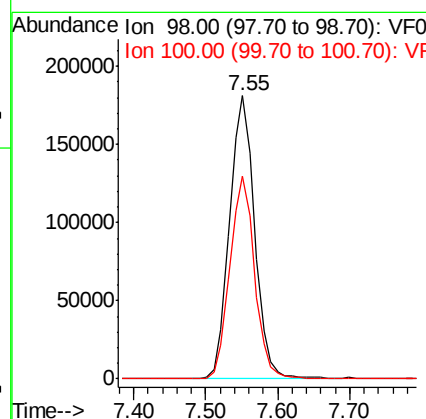
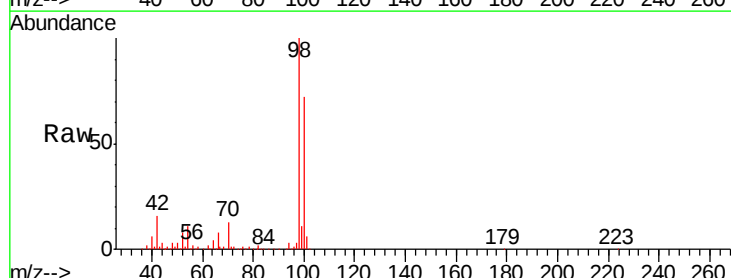
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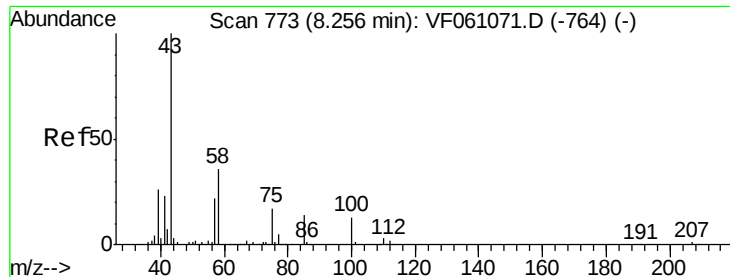
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#50
Toluene-d8
Concen: 46.708 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	439283		
100	71.7	55.3	82.9	





#51

4-Methyl-2-Pentanone

Concen: 90.460 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 43 Resp: 149804

Ion Ratio Lower Upper

43 100

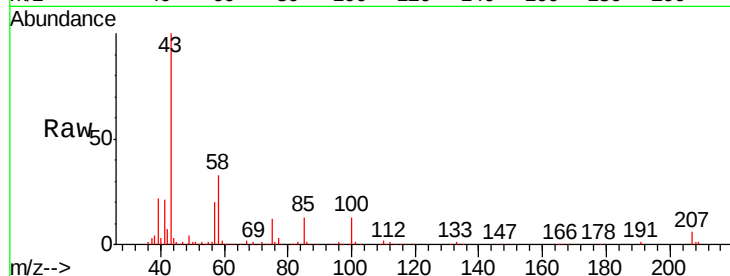
58 33.4 29.1 43.7

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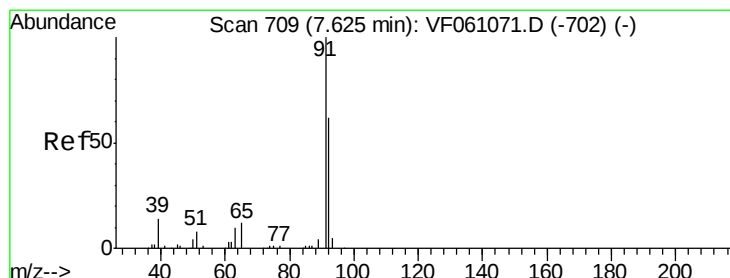
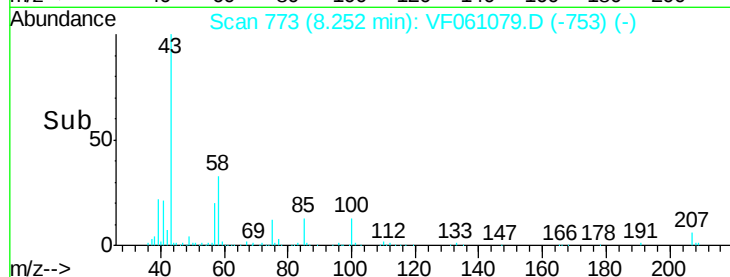
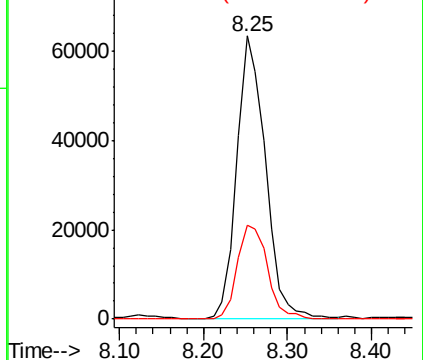
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.957 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061079.D

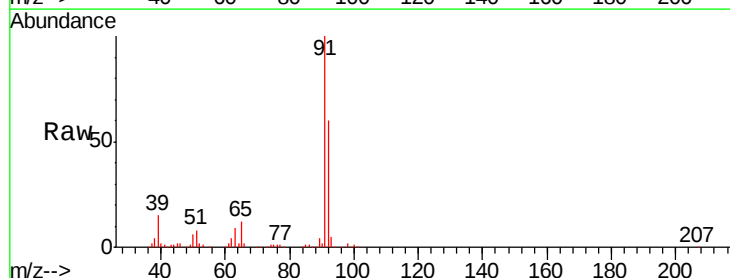
Acq: 19 Dec 2018 12:25

Tgt Ion: 92 Resp: 142074

Ion Ratio Lower Upper

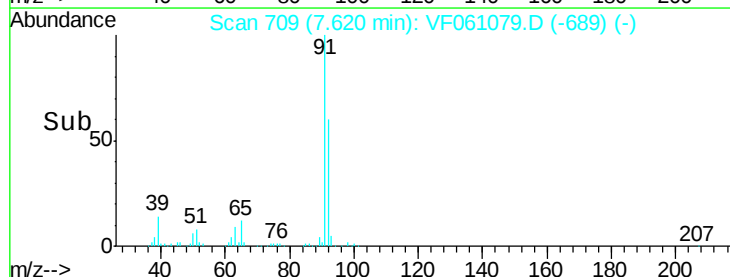
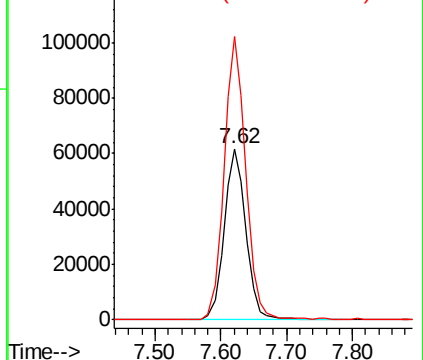
92 100

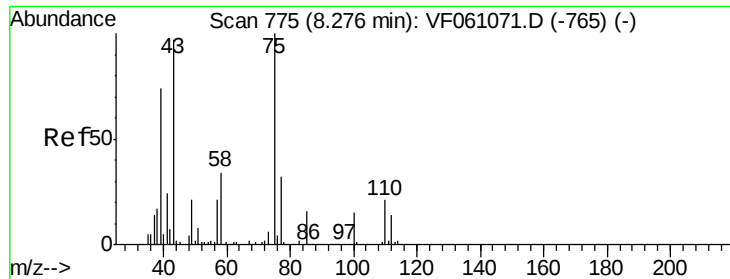
91 165.7 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





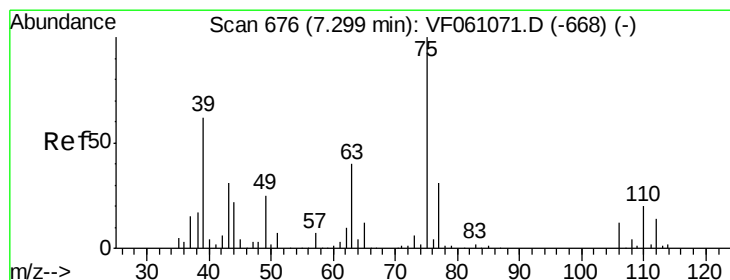
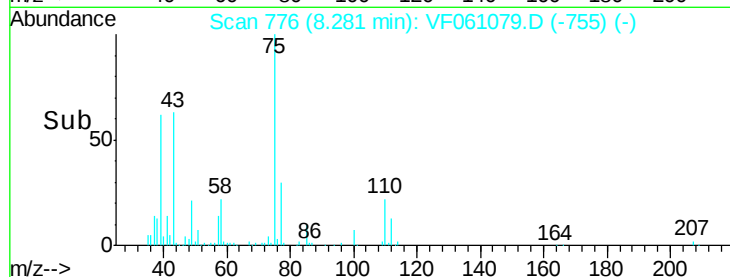
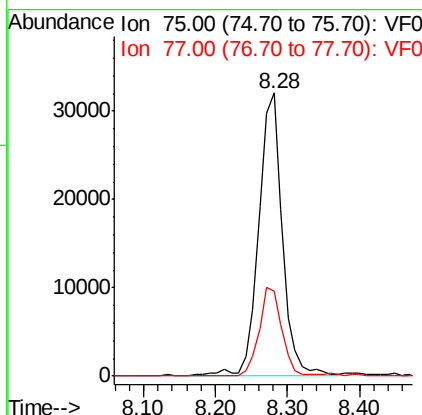
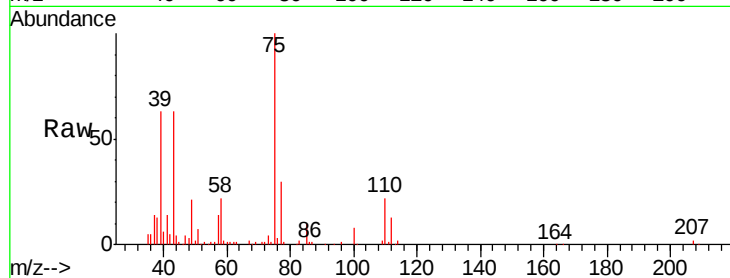
#53
t-1,3-Dichloropropene
Concen: 18.576 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 75 Resp: 73890
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.8

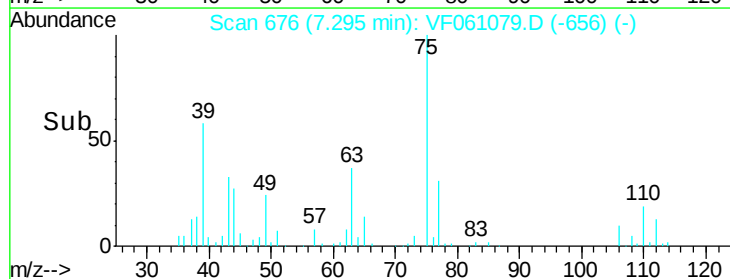
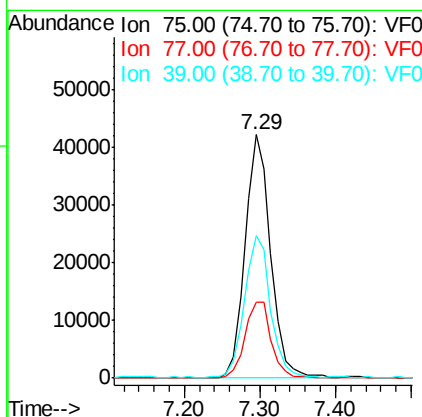
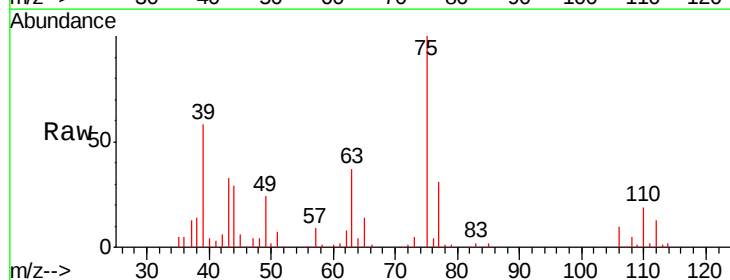
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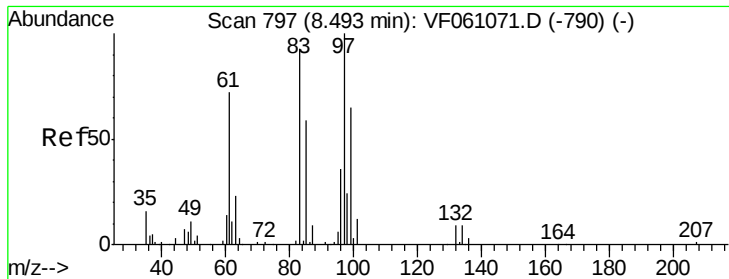
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#54
cis-1,3-Dichloropropene
Concen: 19.784 ug/l
RT: 7.29 min Scan# 676
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion: 75 Resp: 98766
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4
39 58.4 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 19.095 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

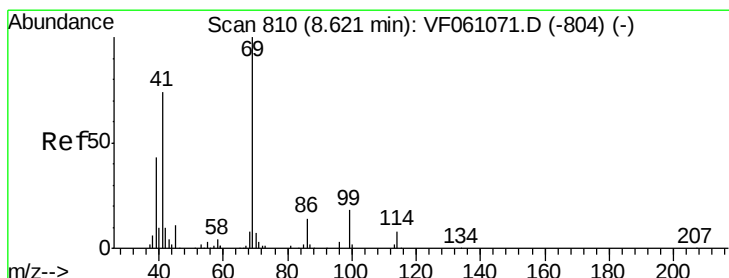
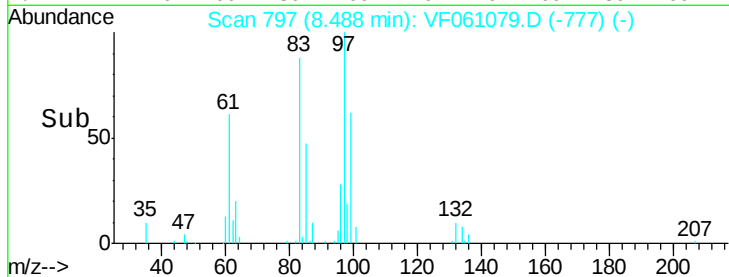
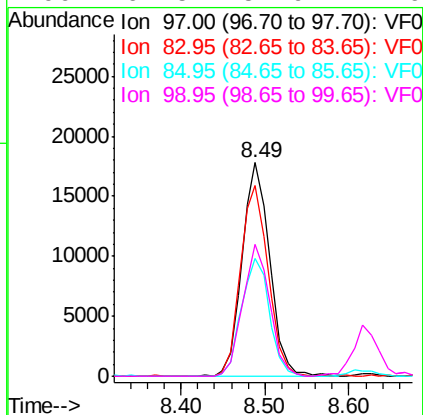
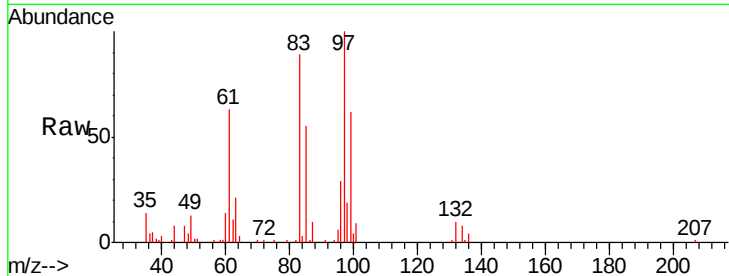
ClientSampleId :

VF1219SBS01

Tgt Ion:	97	Resp:	40750
Ion	Ratio	Lower	Upper
97	100		
83	89.1	75.0	112.4
85	55.2	47.5	71.3
99	61.5	51.9	77.9

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#56

Ethyl methacrylate

Concen: 17.796 ug/l

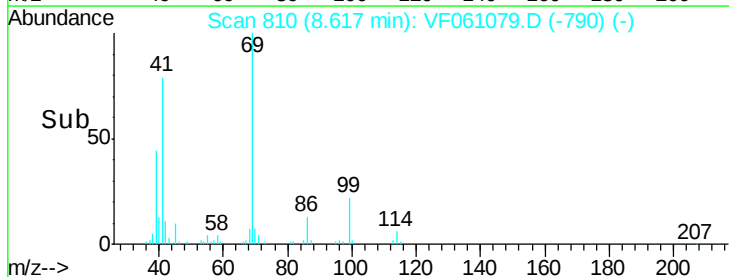
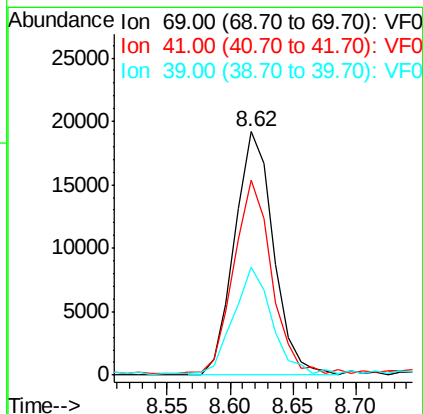
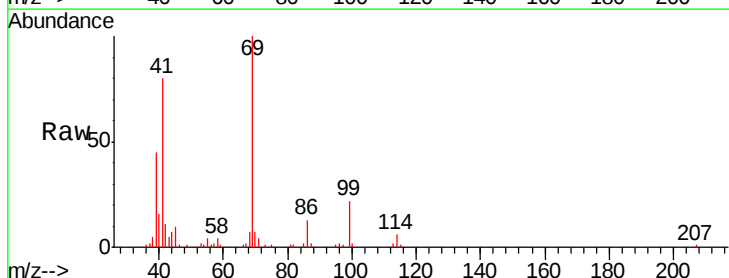
RT: 8.62 min Scan# 810

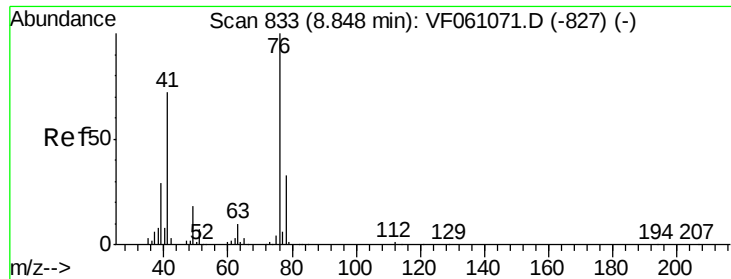
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	69	Resp:	41096
Ion	Ratio	Lower	Upper
69	100		
41	80.1	59.7	89.5
39	44.5	35.0	52.6





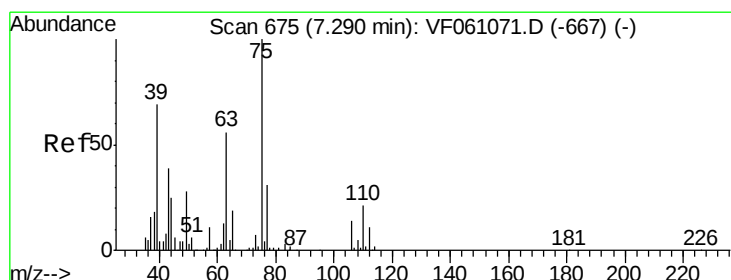
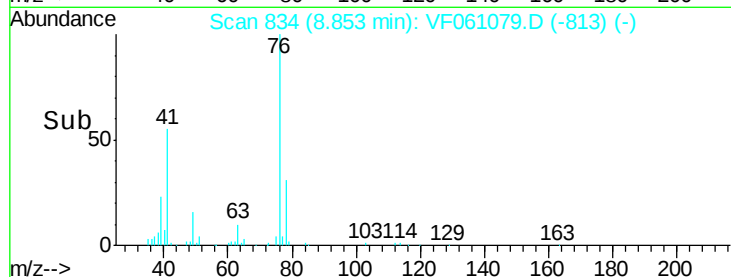
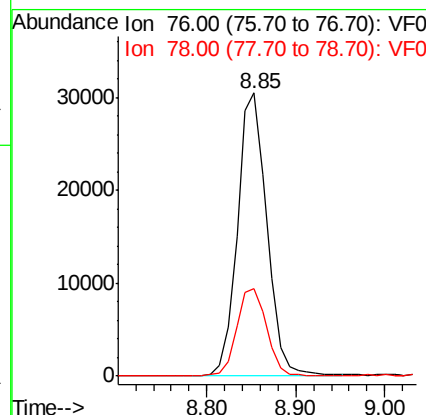
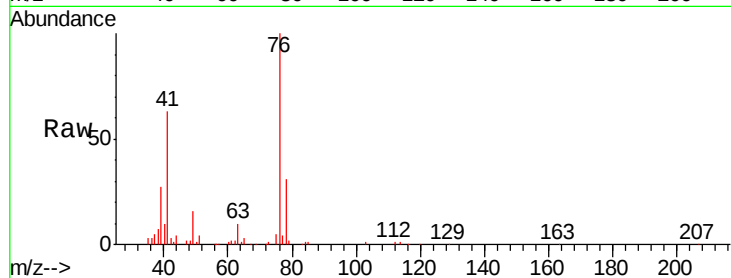
#57
 1,3-Dichloropropane
 Concen: 18.245 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion: 76 Resp: 70422
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.5 39.7

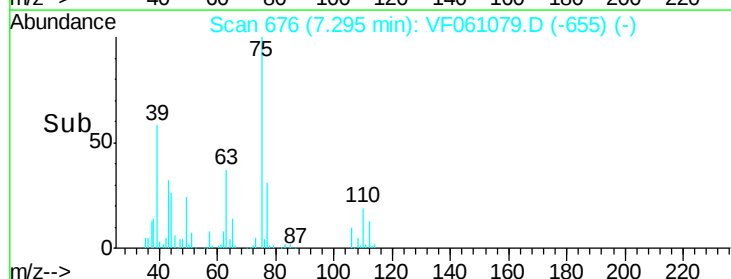
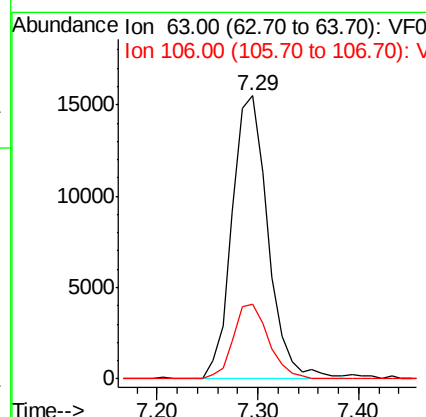
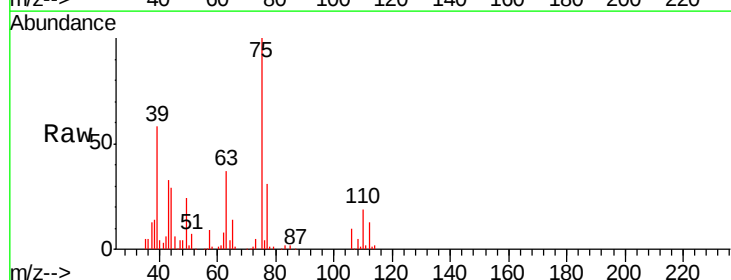
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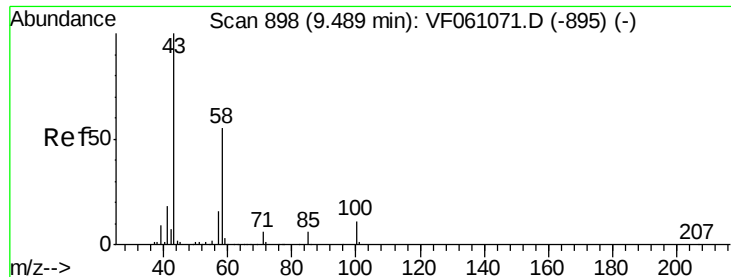
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 86.777 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Tgt Ion: 63 Resp: 38487
 Ion Ratio Lower Upper
 63 100
 106 26.5 19.8 29.8





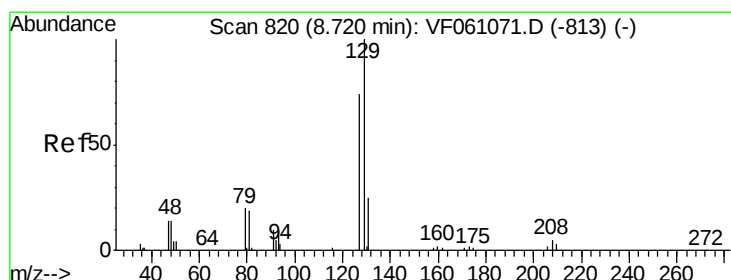
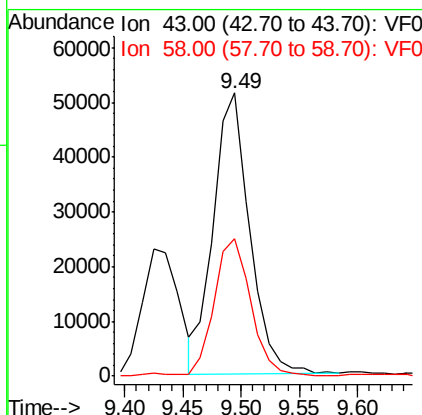
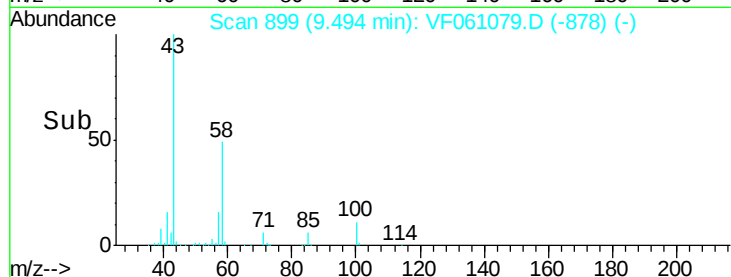
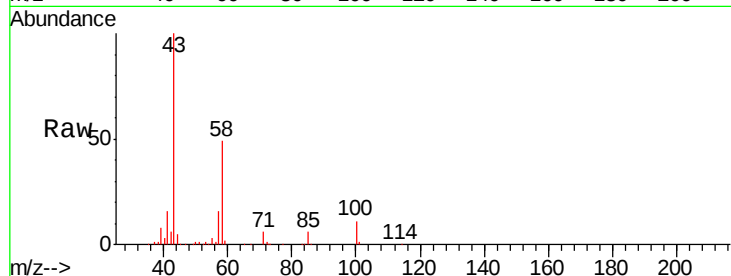
#59
2-Hexanone
Concen: 92.190 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 43 Resp: 110407
Ion Ratio Lower Upper
43 100
58 48.7 25.1 75.2

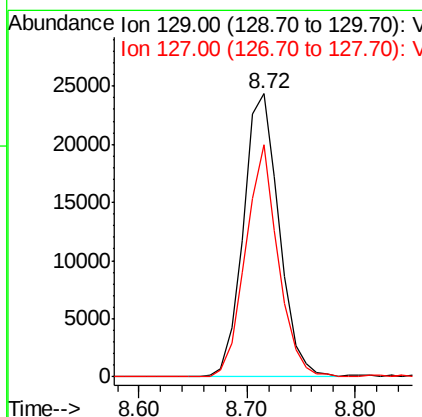
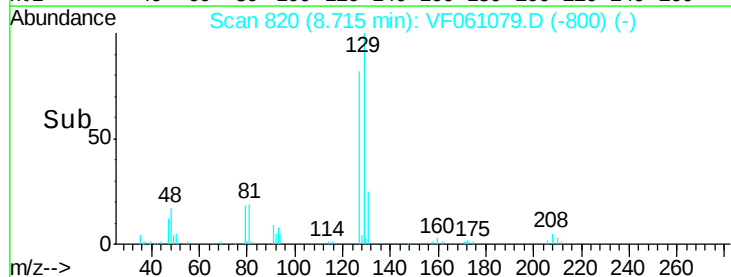
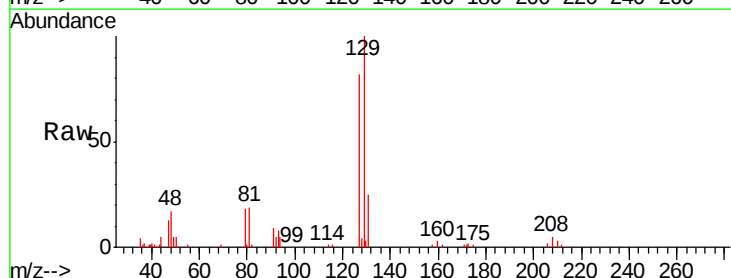
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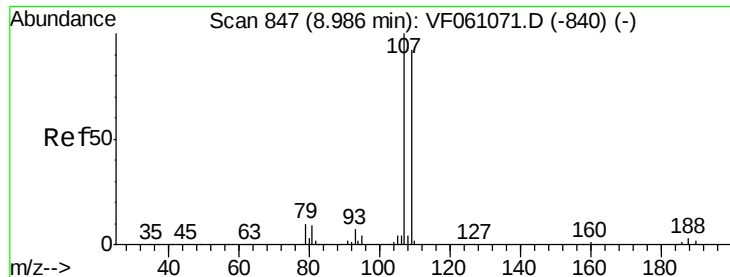
apatel
12/20/2018 10:29:20 AM



#60
Dibromochloromethane
Concen: 18.242 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion: 129 Resp: 55805
Ion Ratio Lower Upper
129 100
127 81.9 36.8 110.3





#61

1,2-Dibromoethane

Concen: 18.569 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 107 Resp: 42324

Ion Ratio Lower Upper

107 100

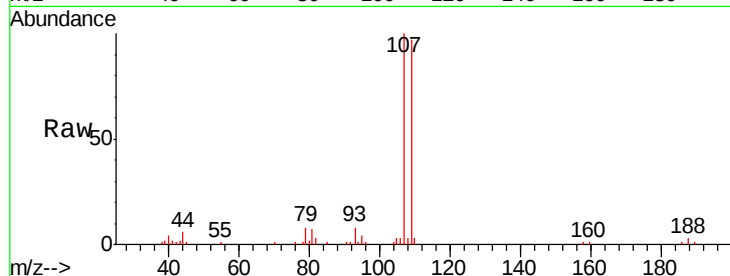
109 96.8 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

20000

15000

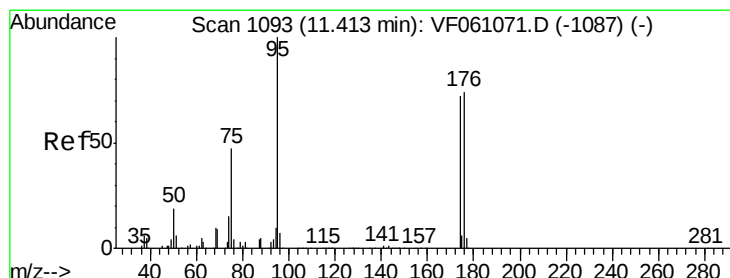
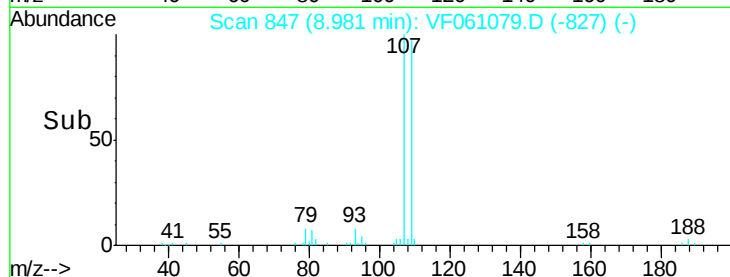
10000

5000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 45.877 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

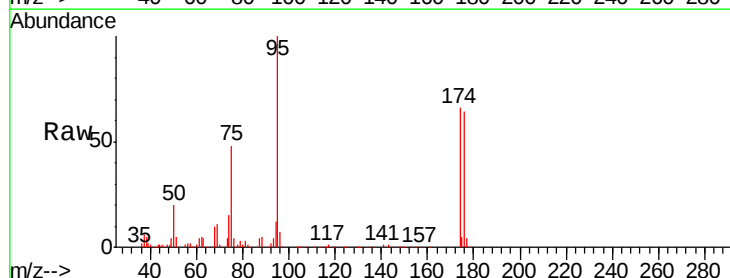
Tgt Ion: 95 Resp: 198914

Ion Ratio Lower Upper

95 100

174 66.3 0.0 143.8

176 63.6 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

150000

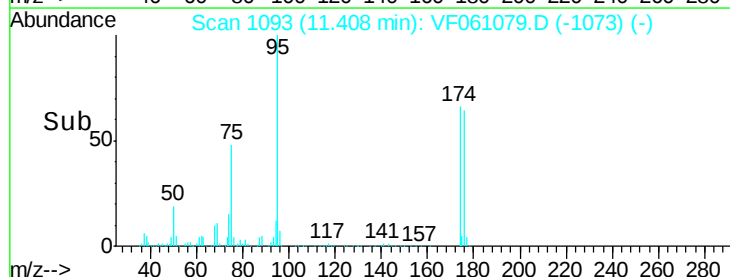
100000

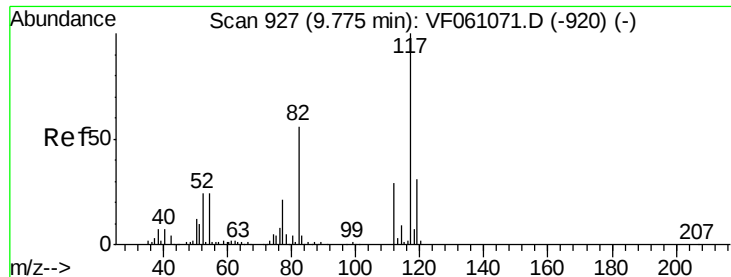
50000

0

11.30 11.40 11.50 11.60

Time-->





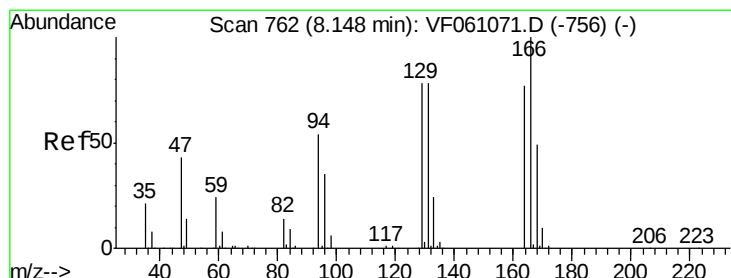
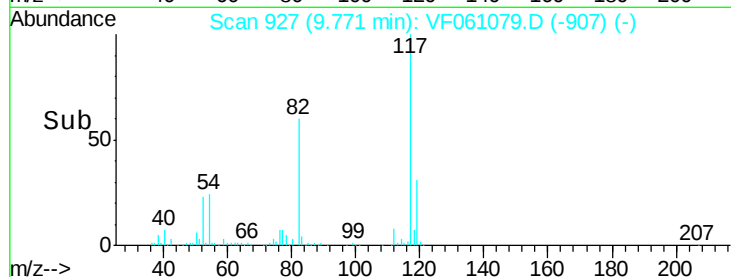
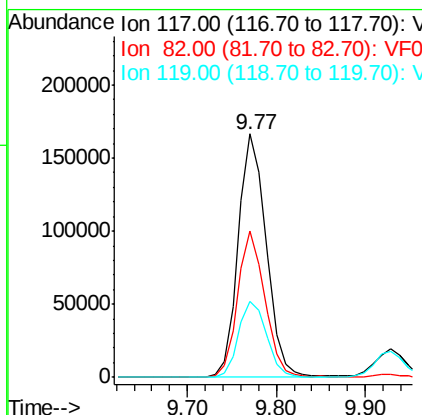
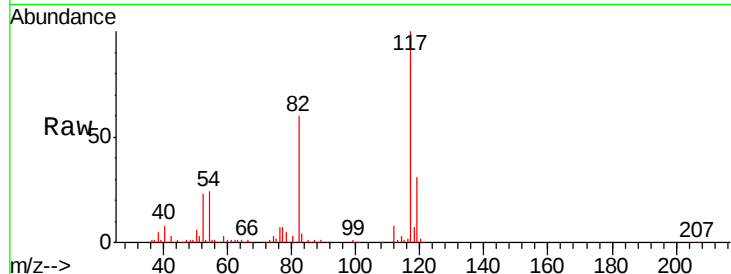
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	366419		
82	60.1	45.0	67.4	
119	31.1	24.8	37.2	

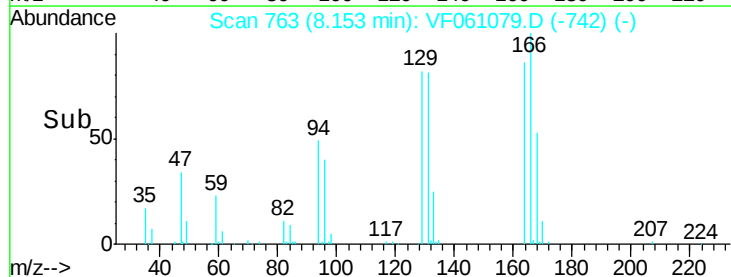
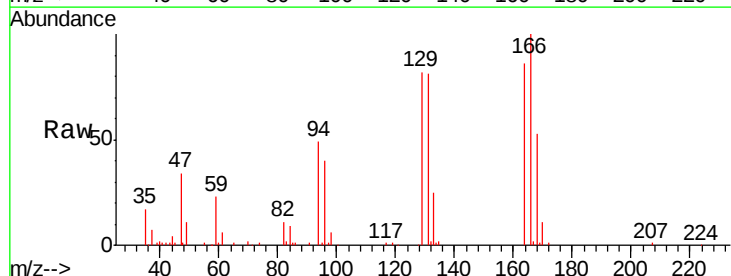
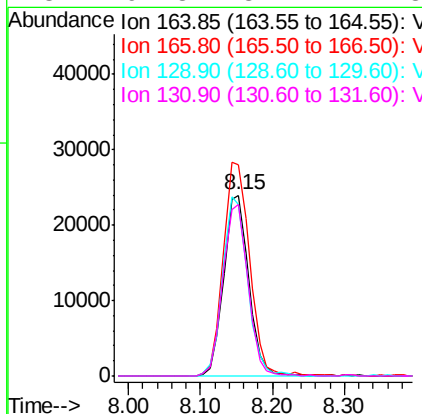
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#64
Tetrachloroethene
Concen: 20.409 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57527		
166	116.8	104.0	156.0	
129	95.3	81.1	121.7	
131	94.8	81.2	121.8	





#65

Chlorobenzene

Concen: 20.329 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion:112 Resp: 153885

Ion Ratio Lower Upper

112 100

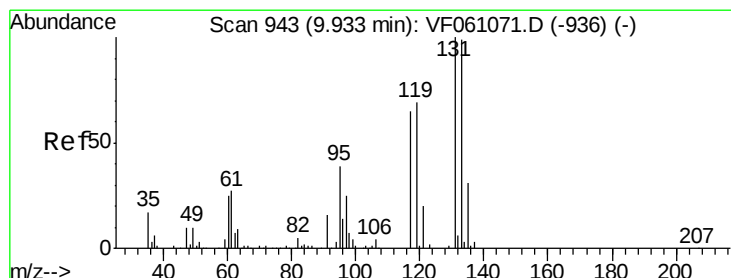
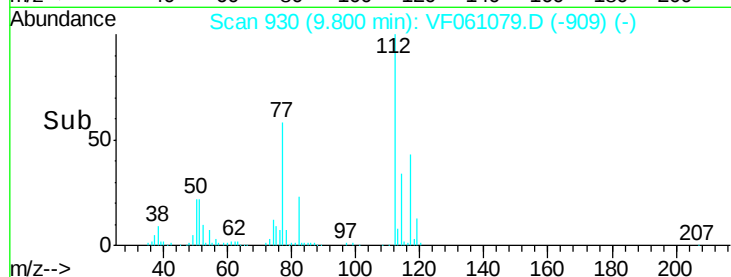
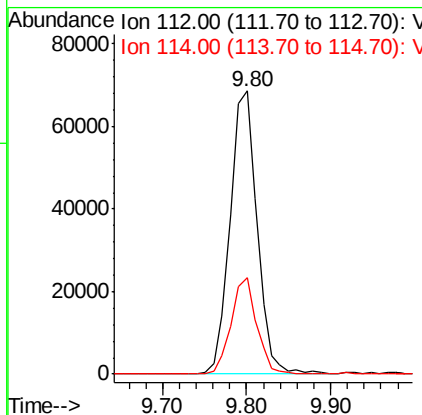
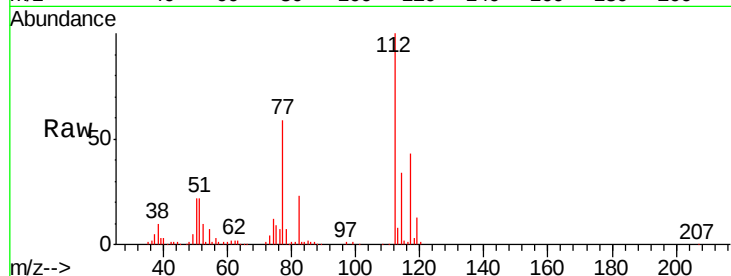
114 34.0 27.8 41.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.812 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

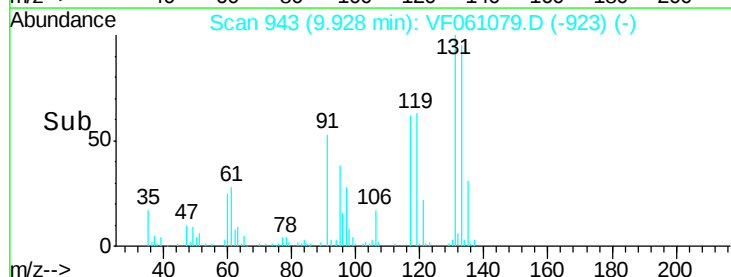
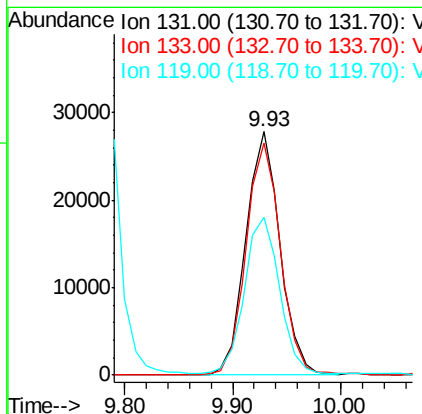
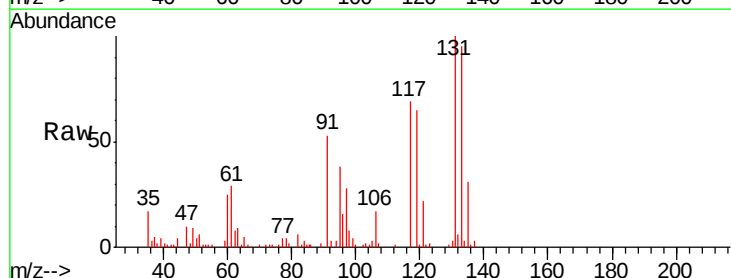
Tgt Ion:131 Resp: 61286

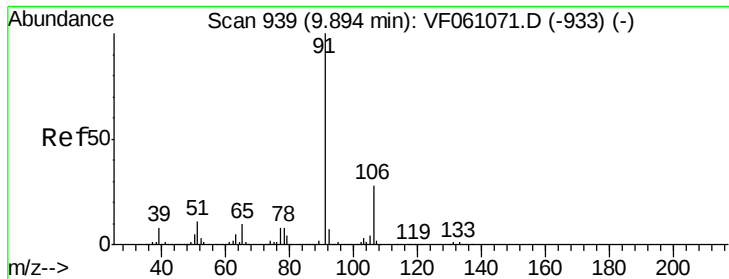
Ion Ratio Lower Upper

131 100

133 95.2 49.5 148.7

119 64.9 34.5 103.5





#67

Ethyl Benzene

Concen: 20.670 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 91 Resp: 285051

Ion Ratio Lower Upper

91 100

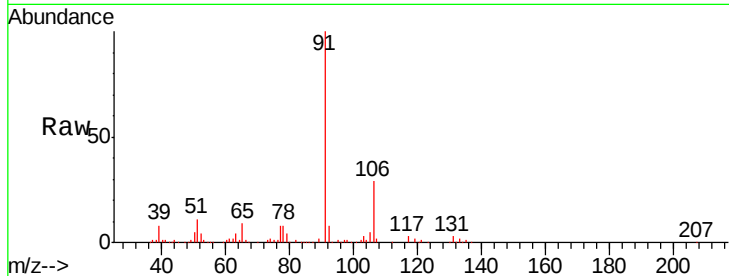
106 28.6 22.5 33.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

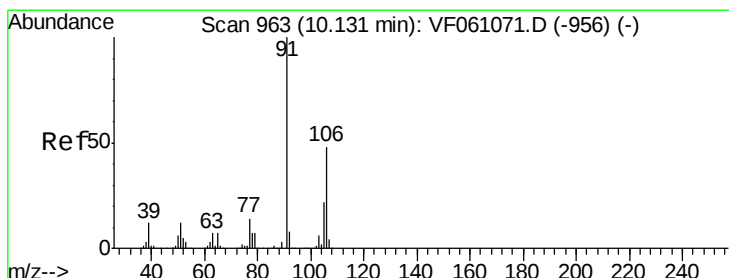
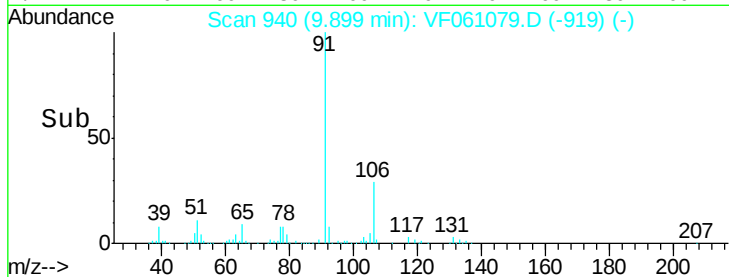
100000

50000

0

9.80 9.90 10.00

Time-->



#68

m/p-Xylenes

Concen: 41.505 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061079.D

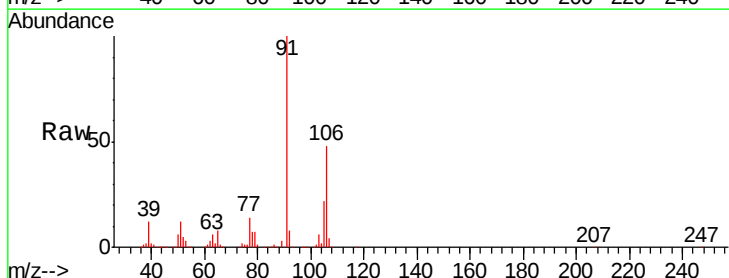
Acq: 19 Dec 2018 12:25

Tgt Ion: 106 Resp: 201435

Ion Ratio Lower Upper

106 100

91 207.0 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

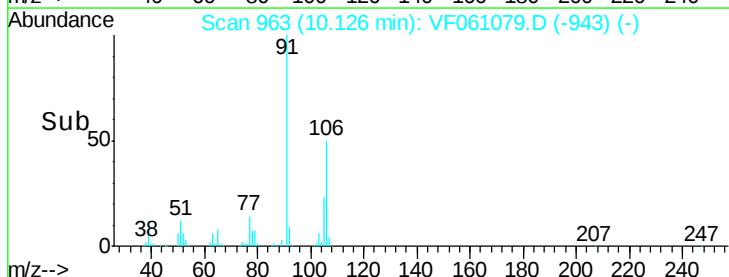
100000

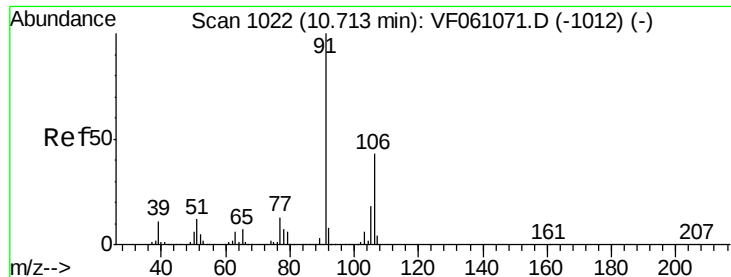
50000

0

10.00 10.10 10.20

Time-->





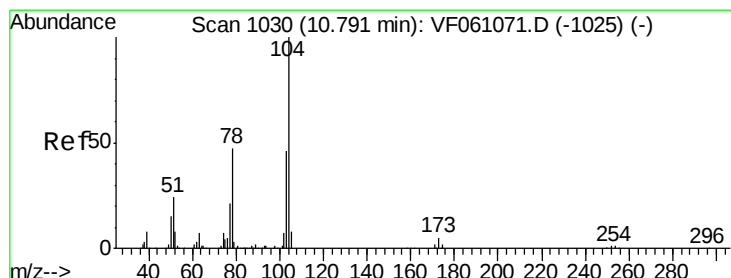
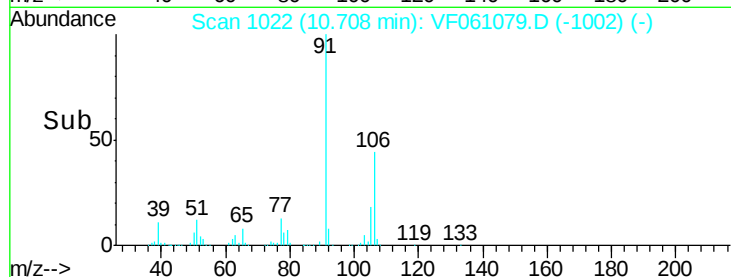
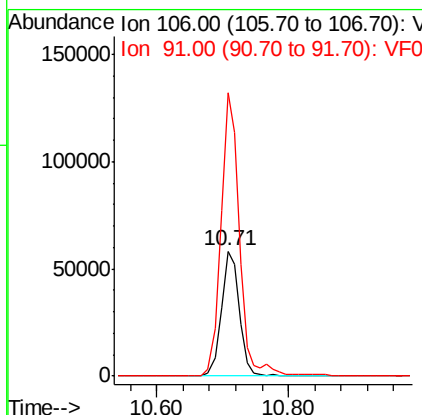
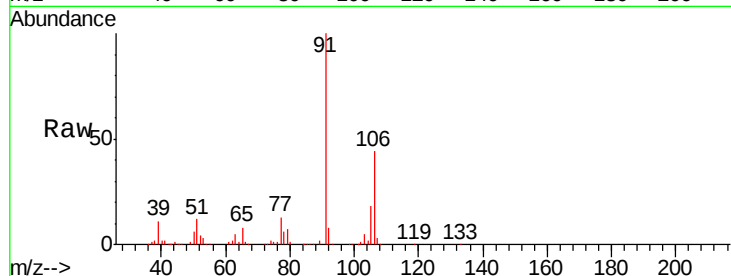
#69
o-Xylene
Concen: 20.691 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion:106 Resp: 111370
Ion Ratio Lower Upper
106 100
91 226.6 115.9 347.7

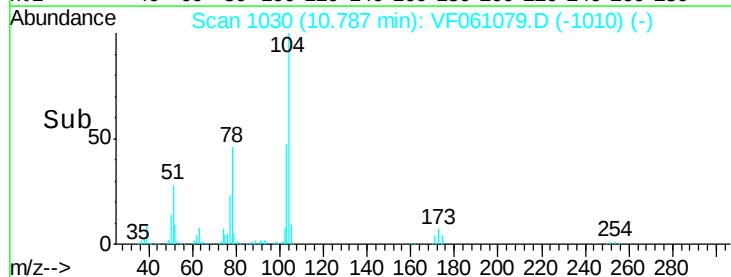
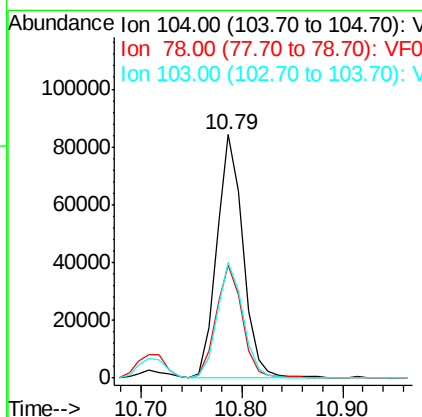
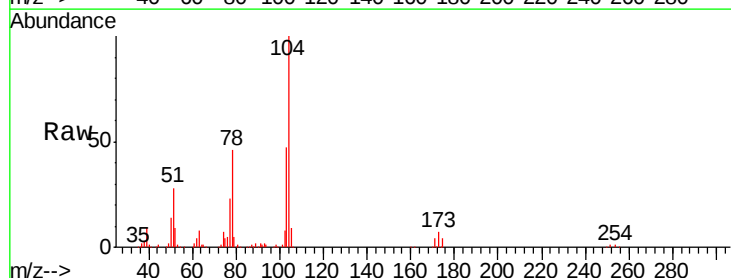
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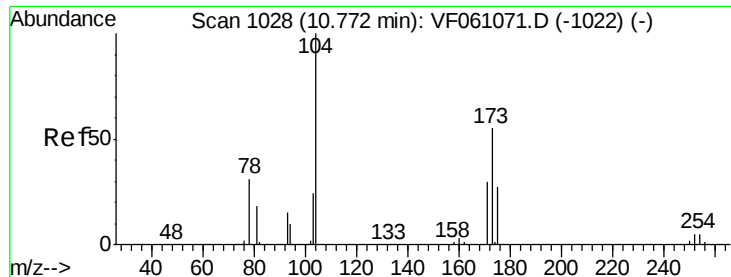
apatel
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#70
Styrene
Concen: 20.249 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion:104 Resp: 151868
Ion Ratio Lower Upper
104 100
78 46.3 38.4 57.6
103 47.3 37.0 55.6





#71

Bromoform

Concen: 18.488 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

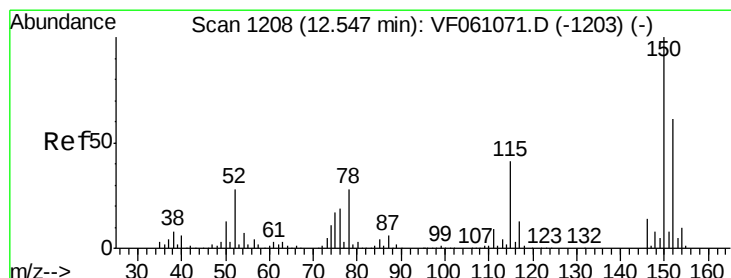
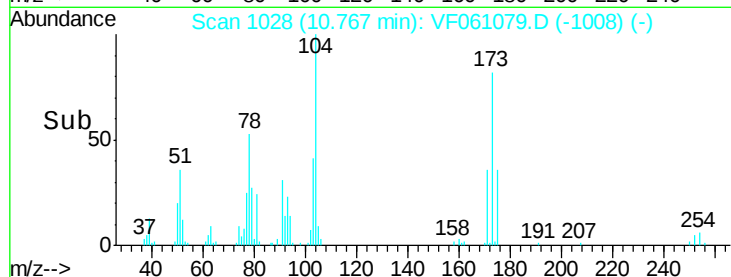
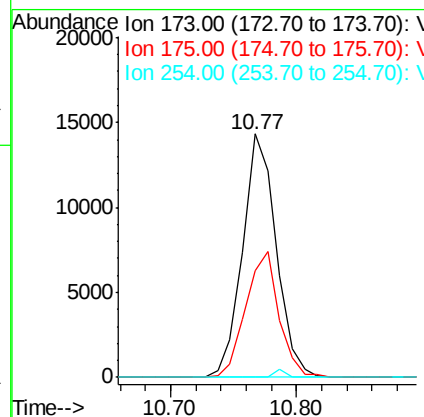
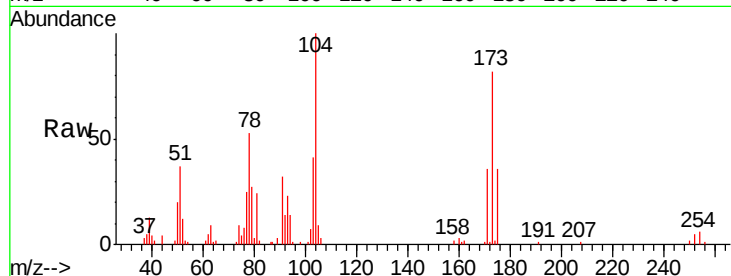
ClientSampleId :

VF1219SBS01

Tgt Ion:	173	Resp:	26459
Ion Ratio	Lower	Upper	
173	100		
175	43.6	24.8	74.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

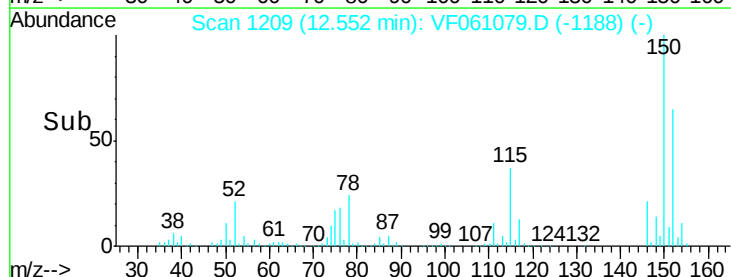
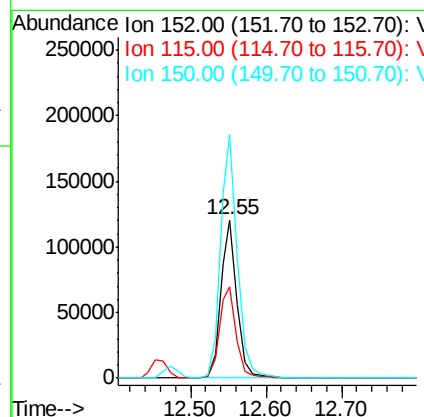
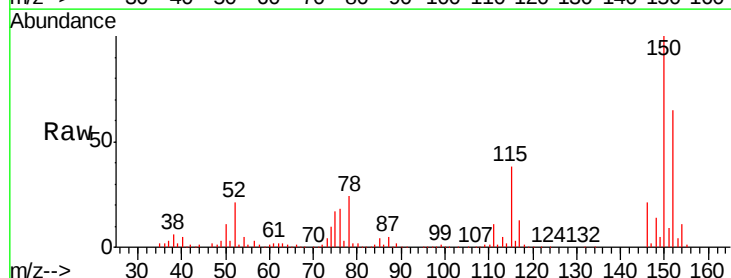
RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	152	Resp:	180599
Ion Ratio	Lower	Upper	
152	100		
115	57.9	33.3	99.9
150	154.2	0.0	328.2





#73

Isopropylbenzene

Concen: 21.430 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 105 Resp: 333522

Ion Ratio Lower Upper

105 100

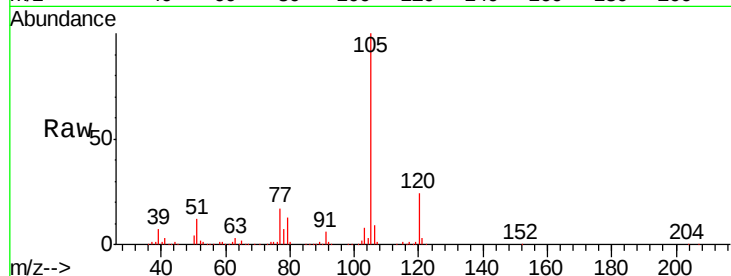
120 24.1 13.0 39.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

200000

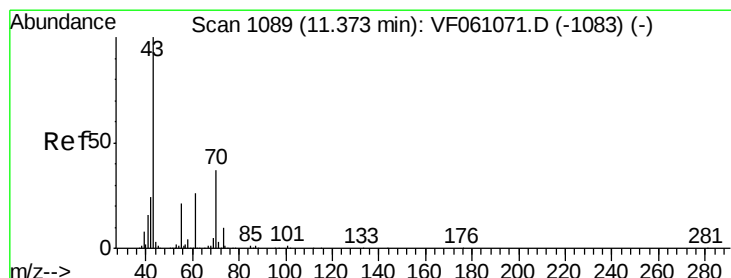
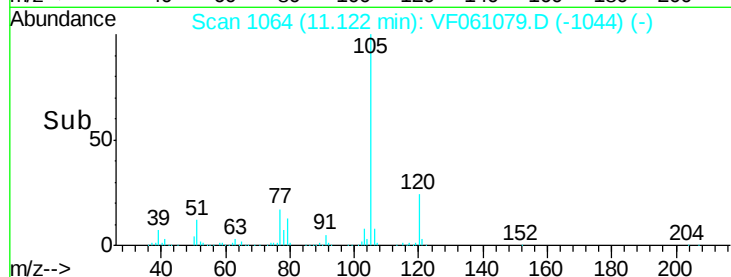
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.773 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion: 43 Resp: 71775

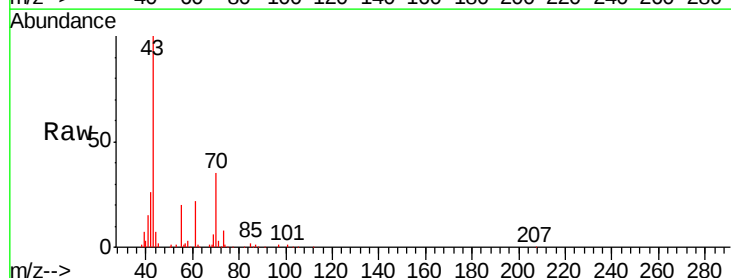
Ion Ratio Lower Upper

43 100

70 34.9 29.2 43.8

55 19.9 16.5 24.7

61 22.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.37

60000

50000

40000

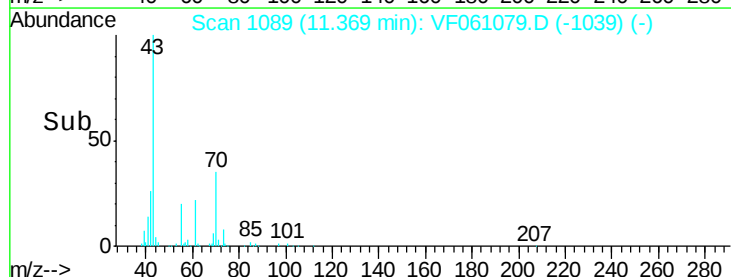
30000

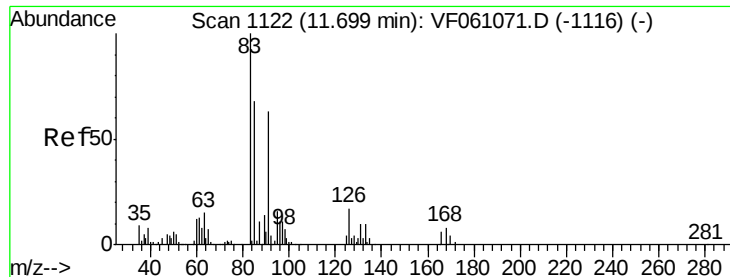
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.715 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

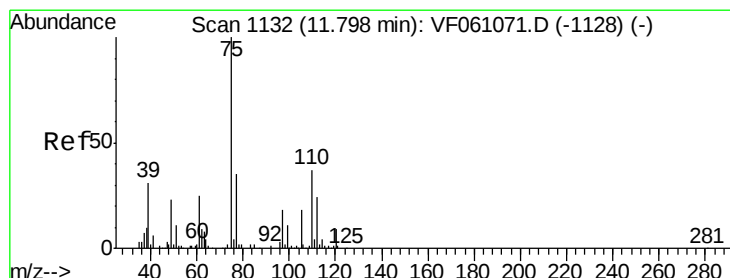
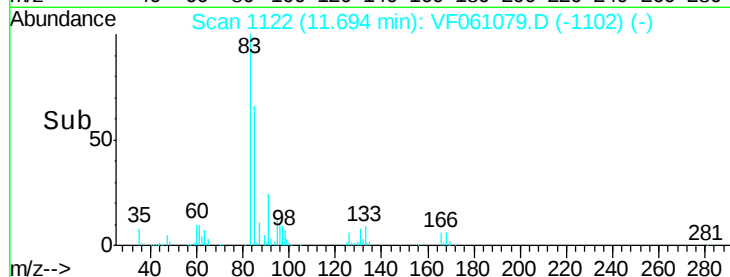
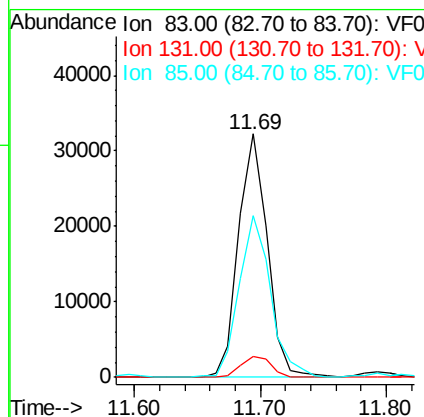
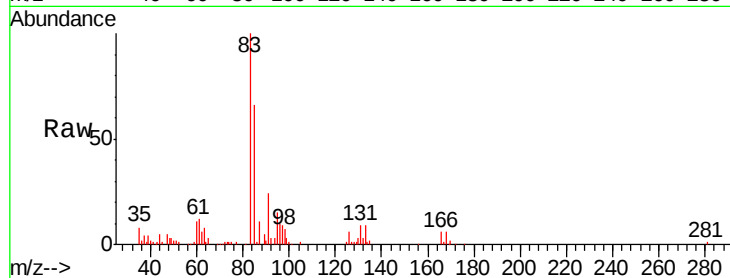
ClientSampleId :

VF1219SBS01

Tgt Ion:	83	Resp:	50923
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.8	14.3
85	66.2	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 19.395 ug/l

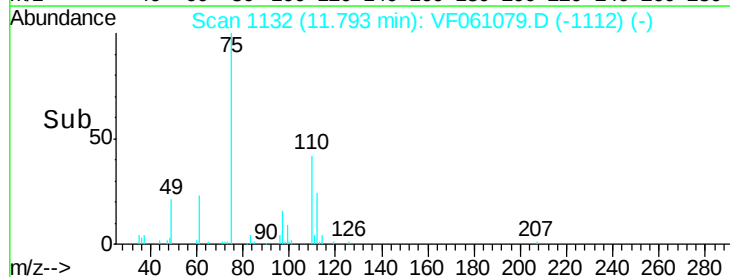
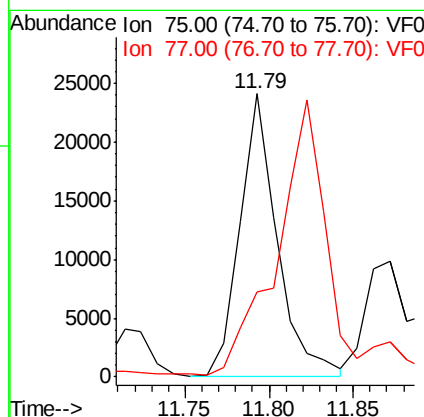
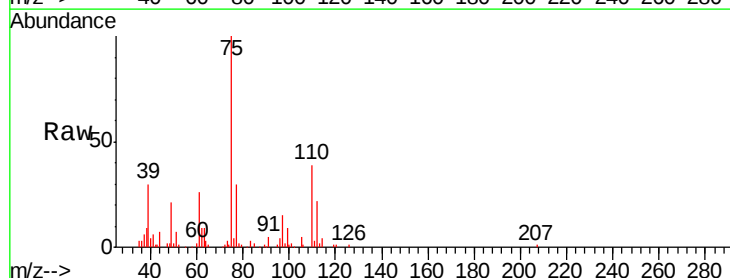
RT: 11.79 min Scan# 1132

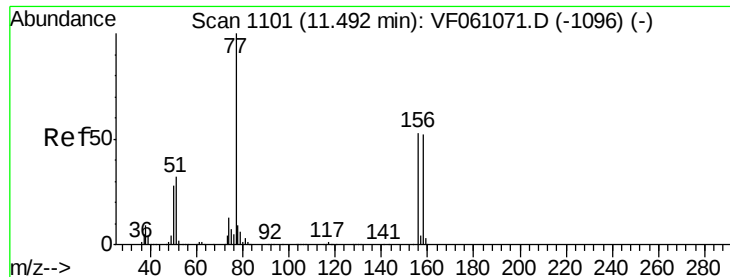
Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	75	Resp:	37281
Ion Ratio	Lower	Upper	
75	100		
77	30.2	17.6	52.9





#77

Bromobenzene

Concen: 19.935 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 156 Resp: 66788

Ion Ratio Lower Upper

156 100

77 162.1 93.8 281.4

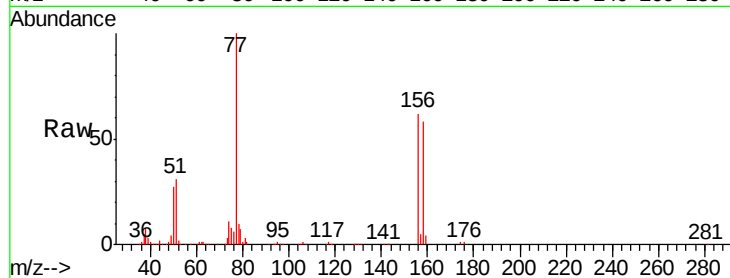
158 94.3 48.9 146.8

Manual Integrations

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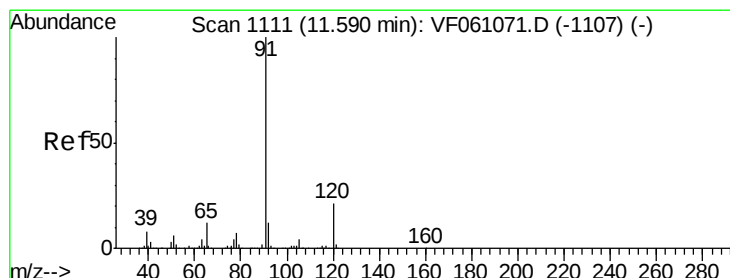
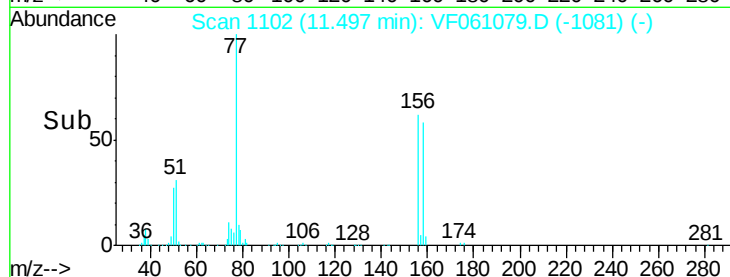
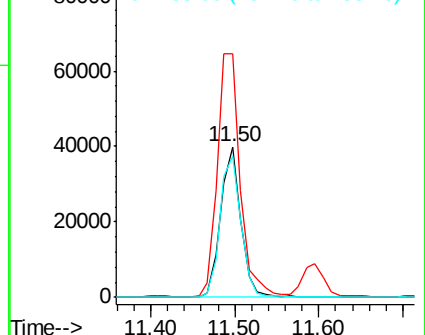
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.024 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061079.D

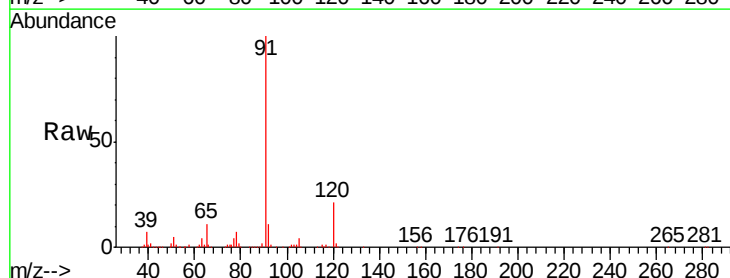
Acq: 19 Dec 2018 12:25

Tgt Ion: 91 Resp: 385994

Ion Ratio Lower Upper

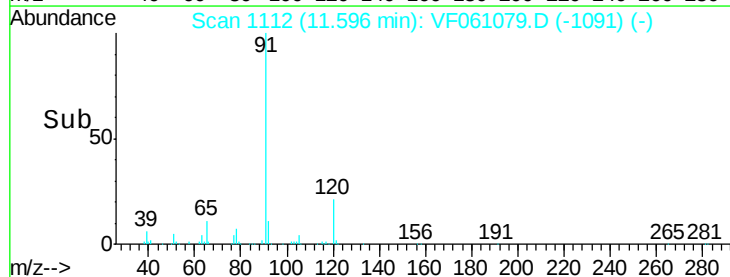
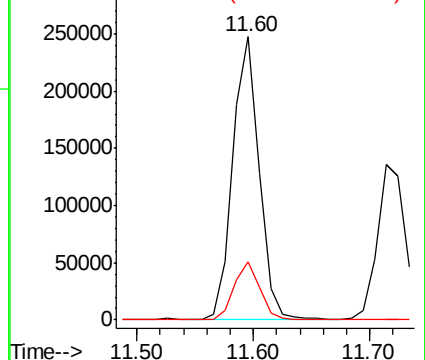
91 100

120 20.6 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.929 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 91 Resp: 223448

Ion Ratio Lower Upper

91 100

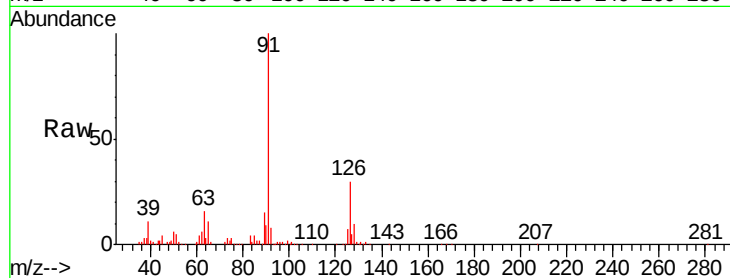
126 30.1 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.71

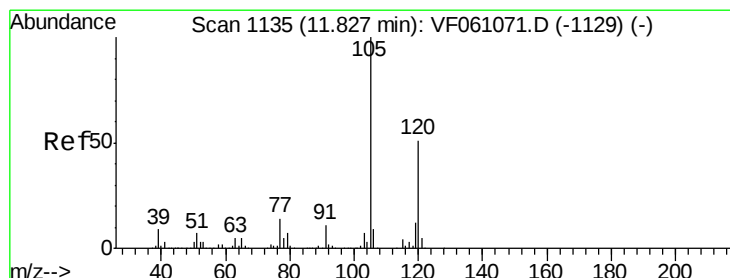
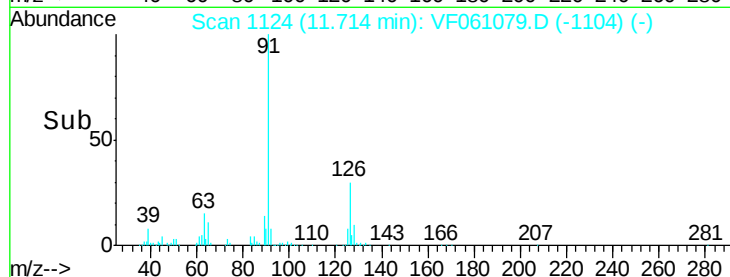
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.424 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061079.D

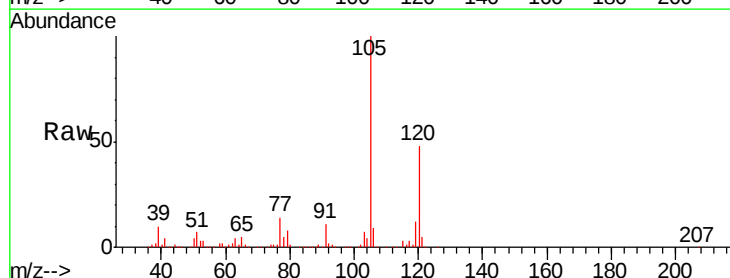
Acq: 19 Dec 2018 12:25

Tgt Ion: 105 Resp: 261737

Ion Ratio Lower Upper

105 100

120 47.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.82

200000

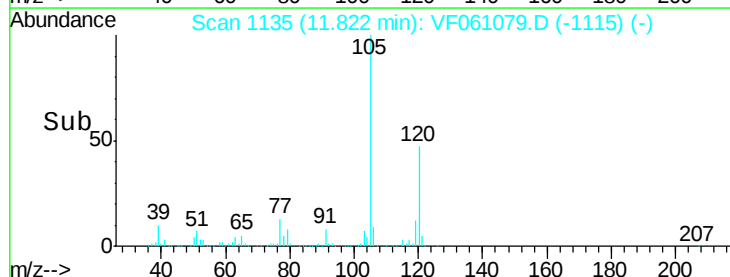
150000

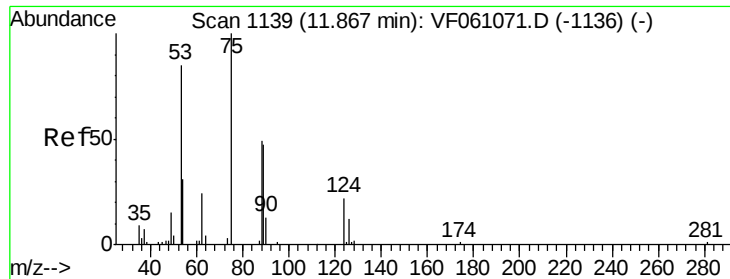
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.815 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

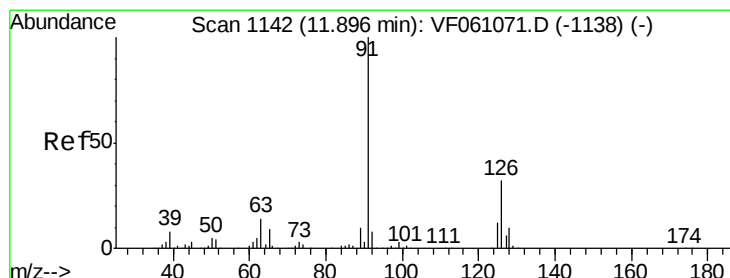
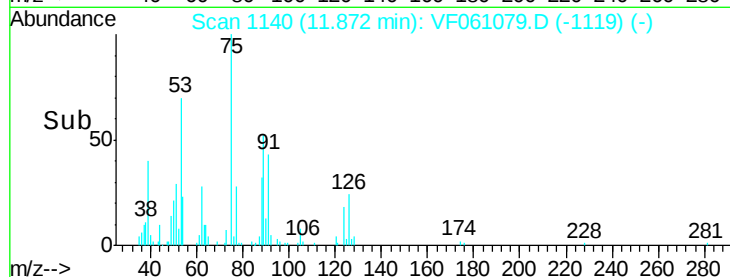
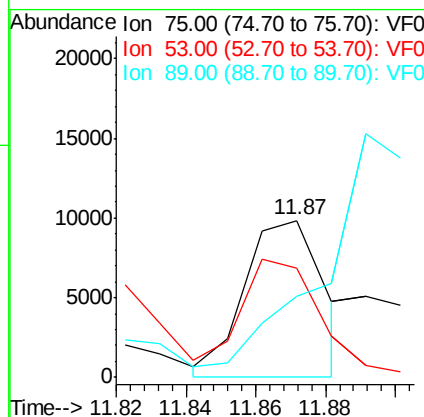
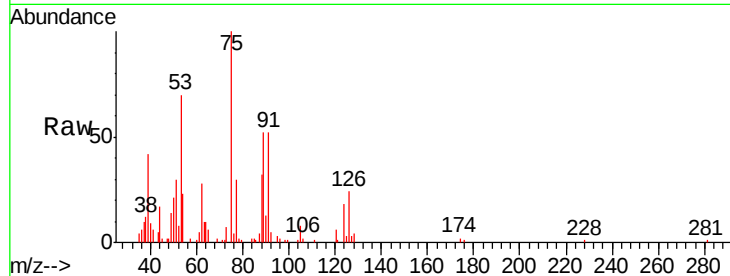
ClientSampleId :

VF1219SBS01

Tgt Ion:	75	Resp:	15541
Ion Ratio	Lower	Upper	
75	100		
53	69.7	74.1	111.1#
89	52.0	42.6	64.0

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#82

4-Chlorotoluene

Concen: 19.806 ug/l

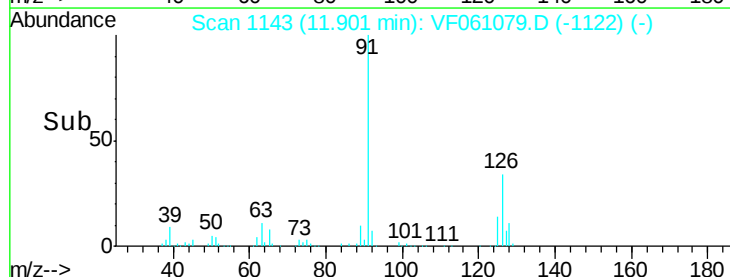
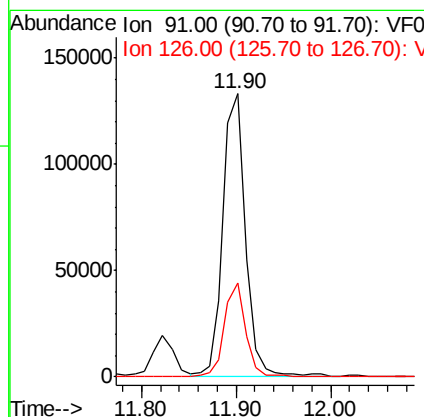
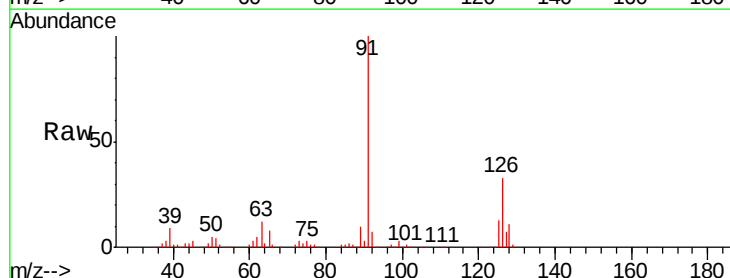
RT: 11.90 min Scan# 1143

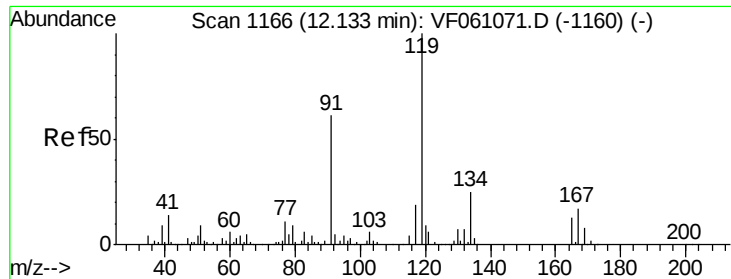
Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	91	Resp:	218745
Ion Ratio	Lower	Upper	
91	100		
126	33.4	16.0	47.9





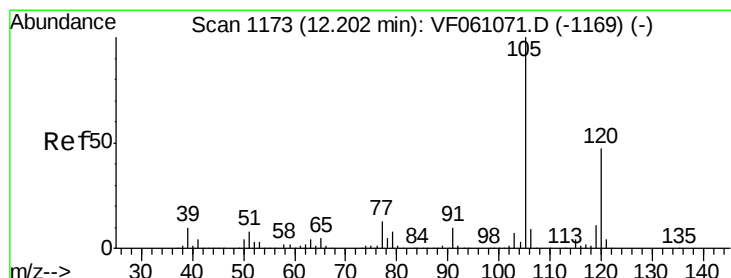
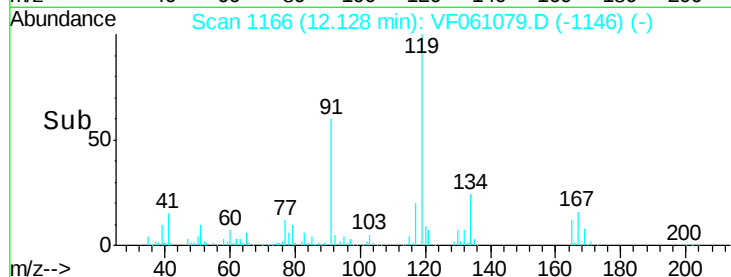
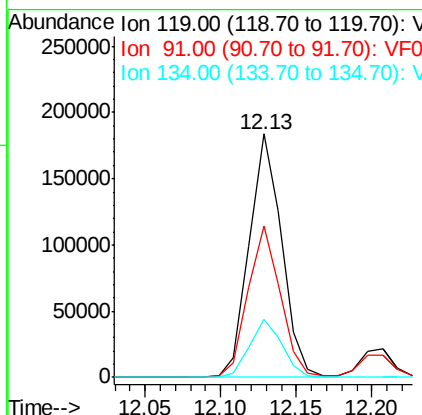
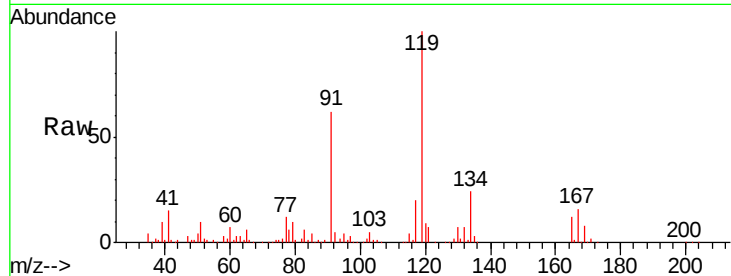
#83
tert-Butylbenzene
Concen: 20.989 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	276787		
91	62.1	30.5	91.5	
134	24.1	12.4	37.4	

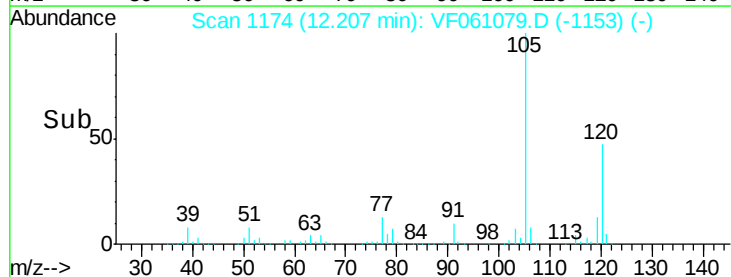
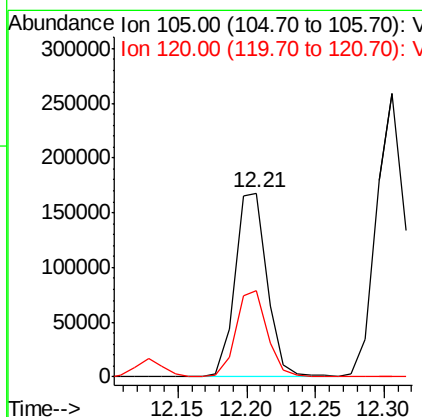
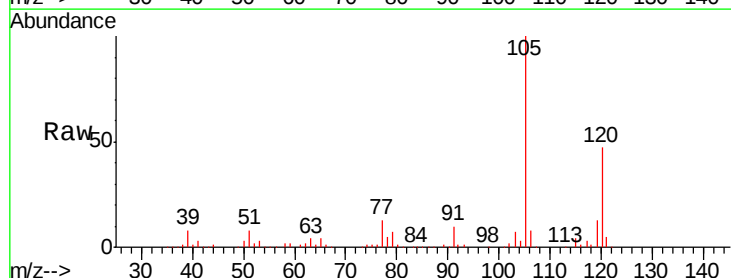
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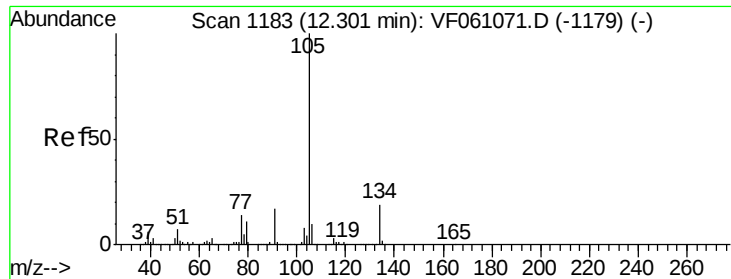
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#84
1,2,4-Trimethylbenzene
Concen: 21.368 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273075		
120	47.2	23.6	71.0	





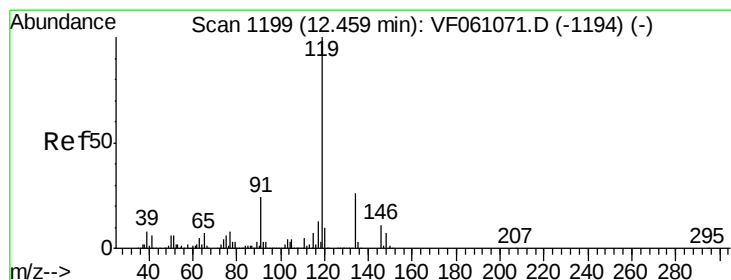
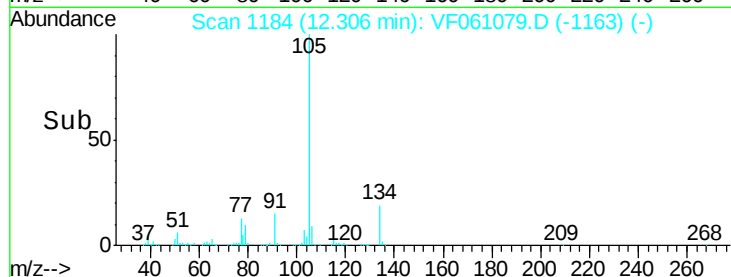
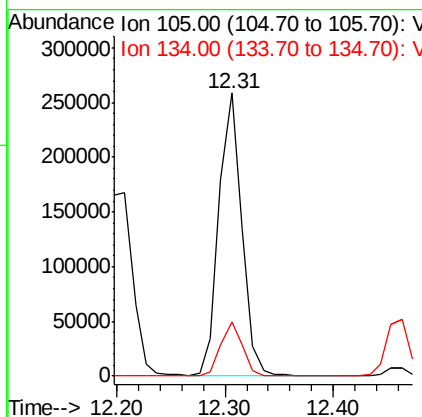
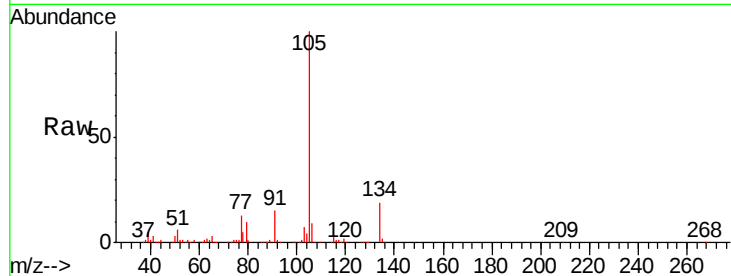
#85
 sec-Butylbenzene
 Concen: 22.133 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	380893		
134	19.2	9.4	28.2	

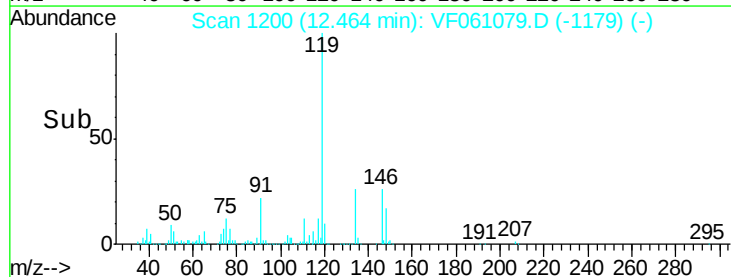
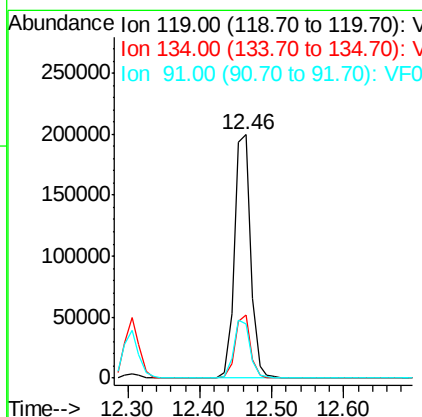
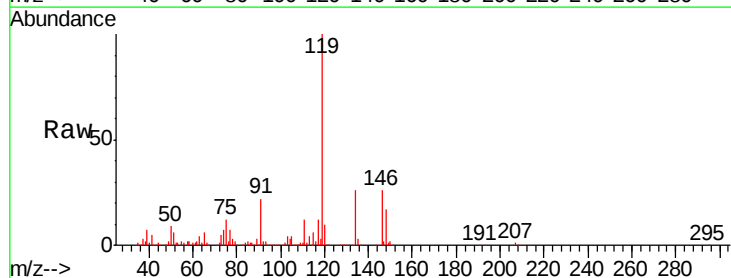
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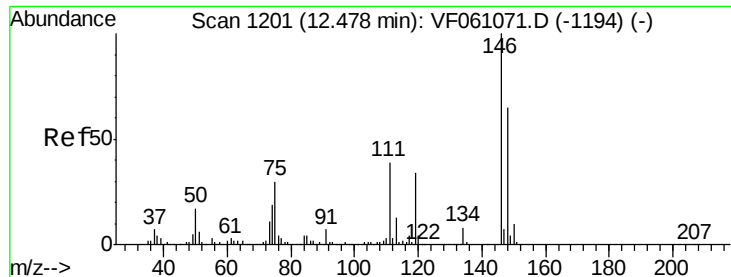
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#86
 p-Isopropyltoluene
 Concen: 22.039 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	314819		
134	26.0	12.8	38.4	
91	22.3	12.2	36.6	





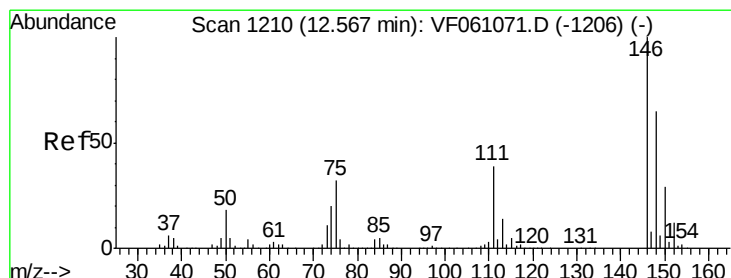
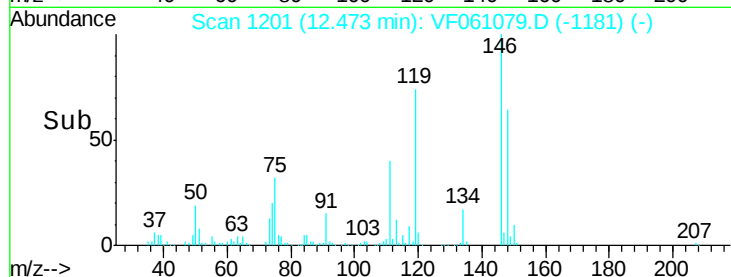
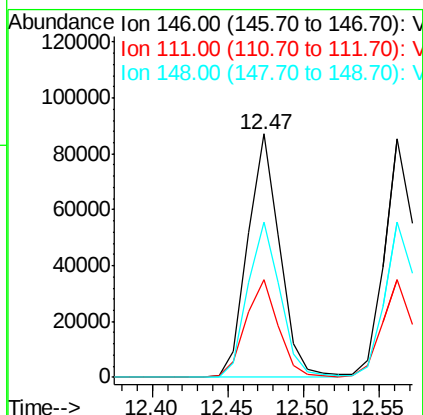
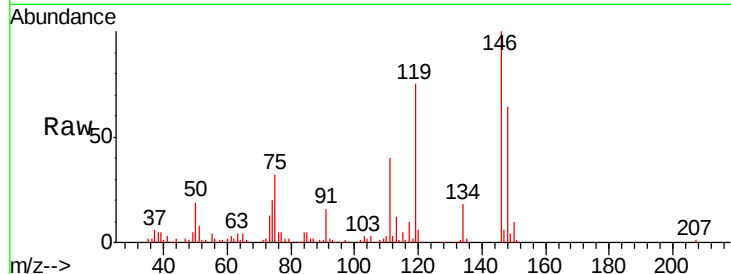
#87
 1,3-Dichlorobenzene
 Concen: 20.372 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	128812		
111	40.3	19.3	57.9	
148	63.9	32.4	97.2	

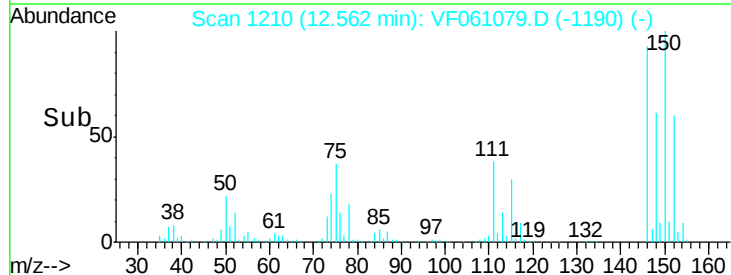
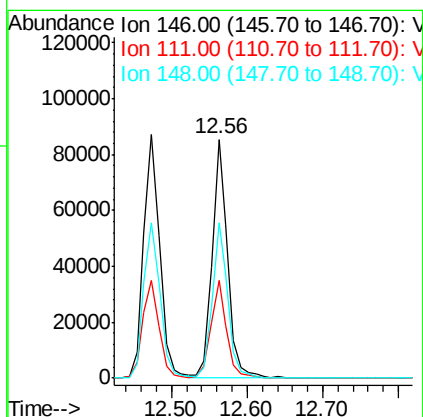
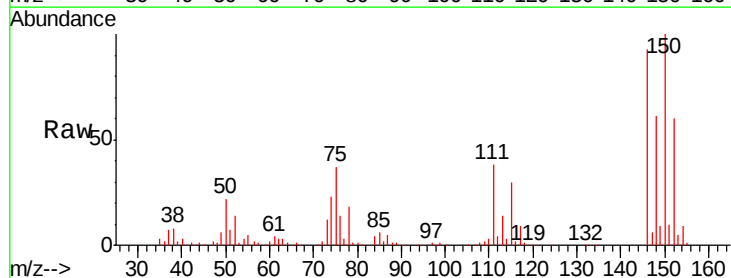
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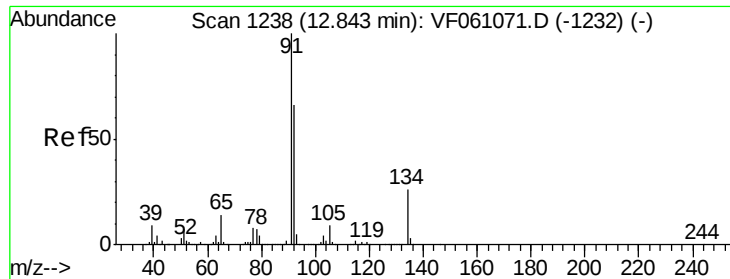
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#88
 1,4-Dichlorobenzene
 Concen: 20.153 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	123976		
111	41.0	19.4	58.4	
148	64.9	32.4	97.0	





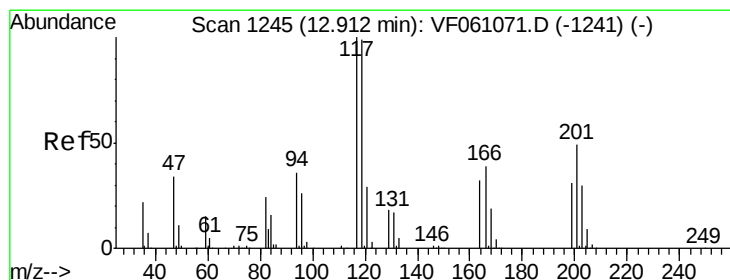
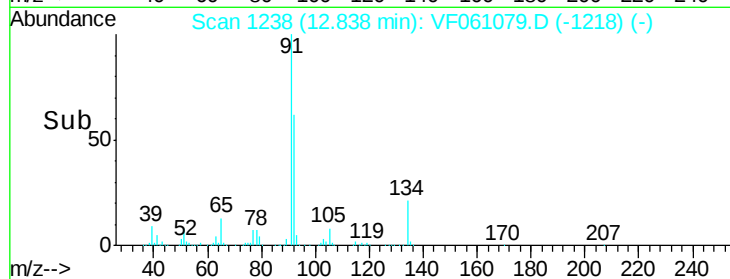
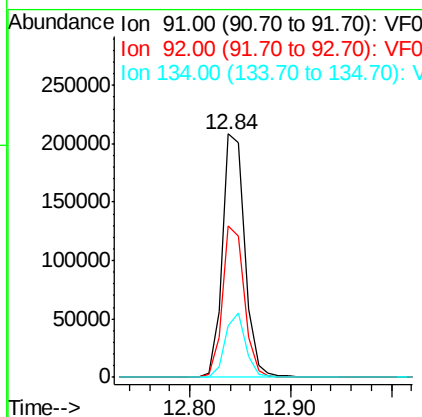
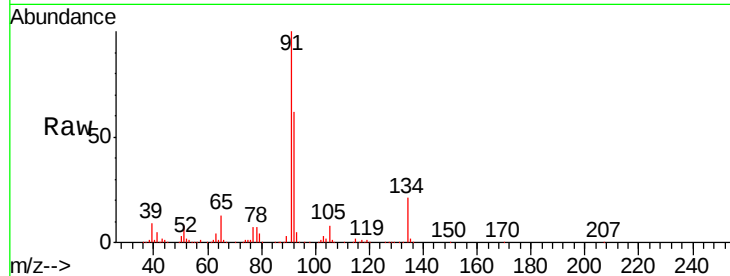
#89
n-Butylbenzene
Concen: 19.656 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.3	32.8	98.4
134	21.2	13.2	39.5

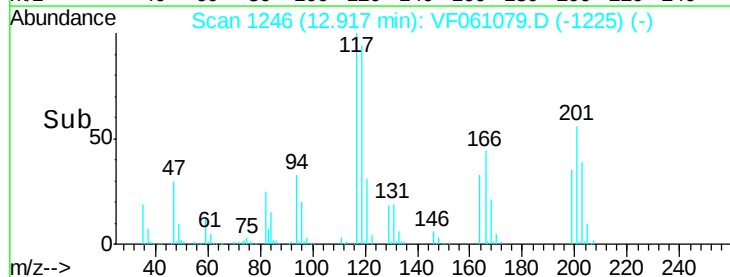
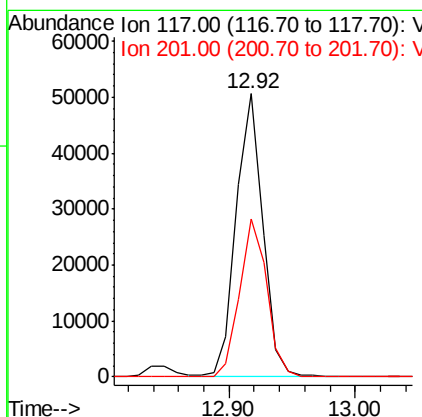
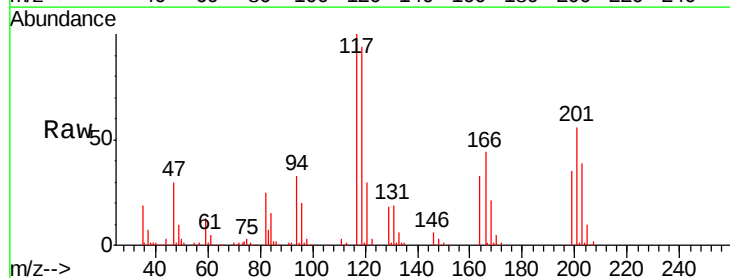
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#90
Hexachloroethane
Concen: 20.913 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061079.D
Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.8	24.9	74.8





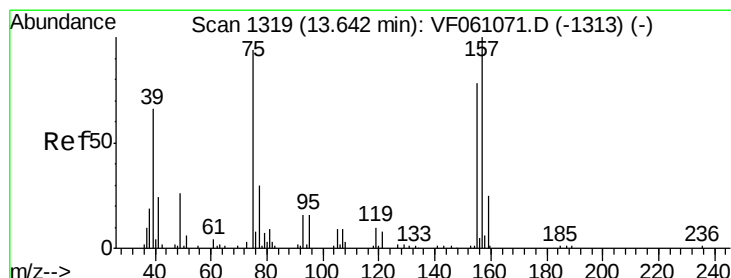
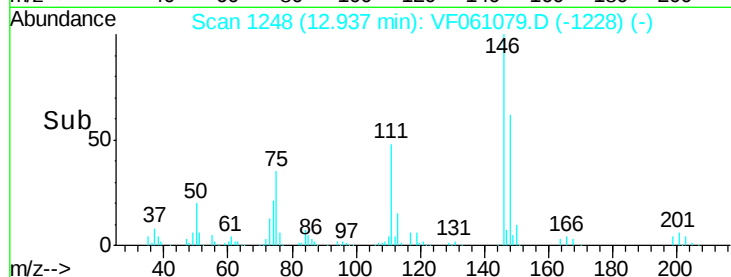
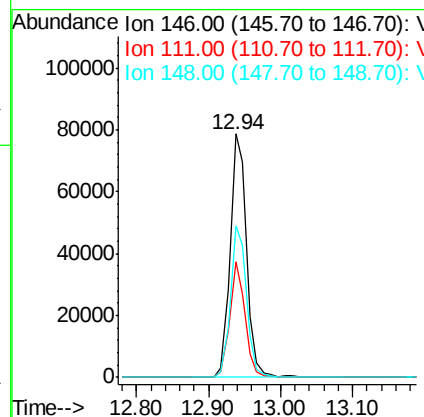
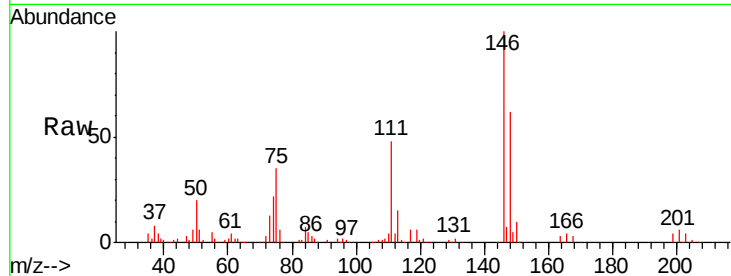
#91
 1,2-Dichlorobenzene
 Concen: 20.601 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	123386		
111	47.7	23.2	69.5	
148	62.4	32.4	97.0	

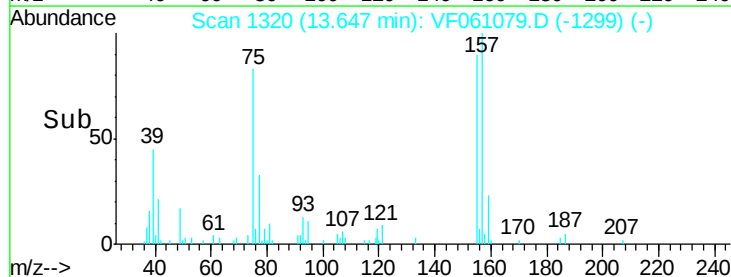
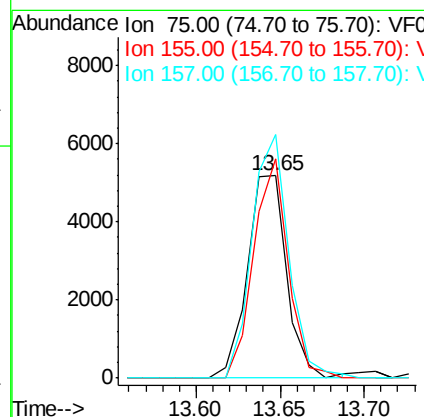
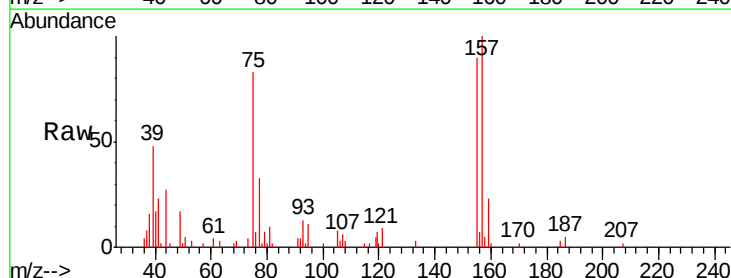
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.754 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8415		
155	108.3	41.5	124.5	
157	120.2	53.2	159.6	





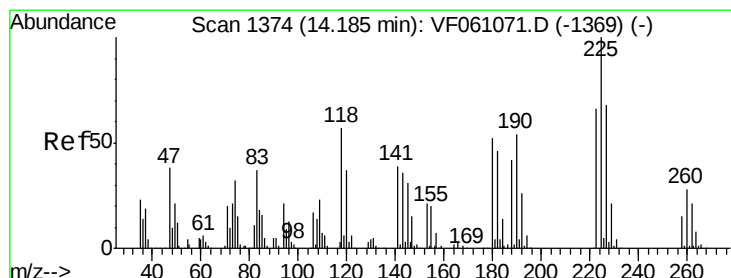
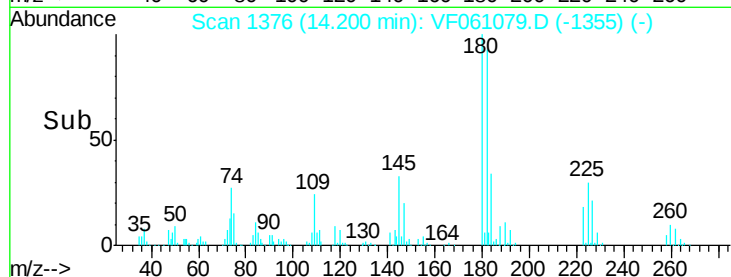
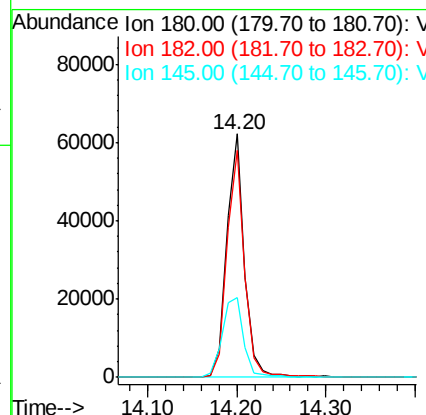
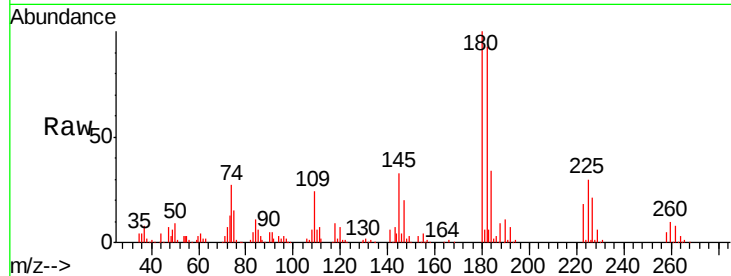
#93
 1,2,4-Trichlorobenzene
 Concen: 20.522 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.9	140.6
145	32.9	20.5	61.6

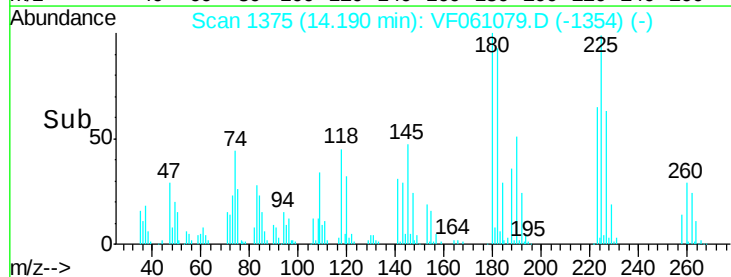
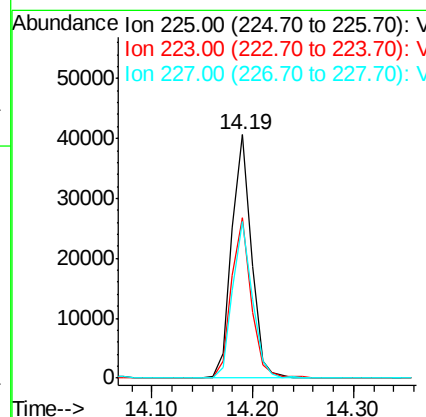
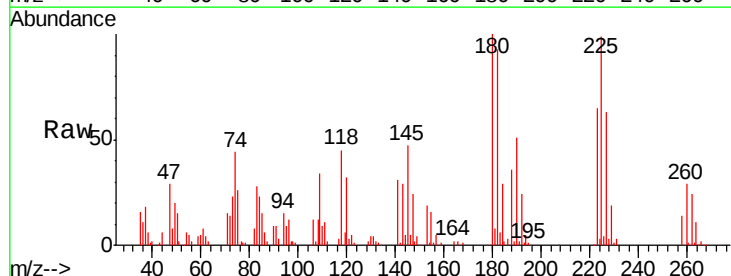
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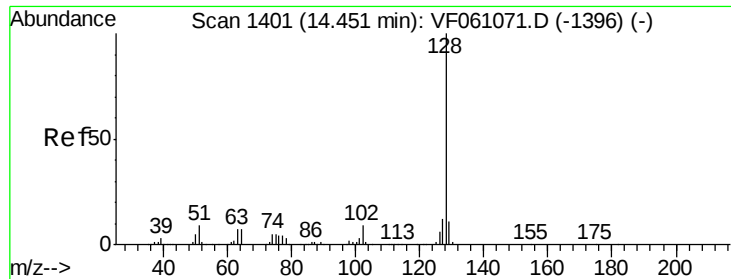
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#94
 Hexachlorobutadiene
 Concen: 20.433 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061079.D
 Acq: 19 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	32.8	98.3
227	64.3	34.0	101.8





#95

Naphthalene

Concen: 18.687 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Instrument :

MSVOA_F

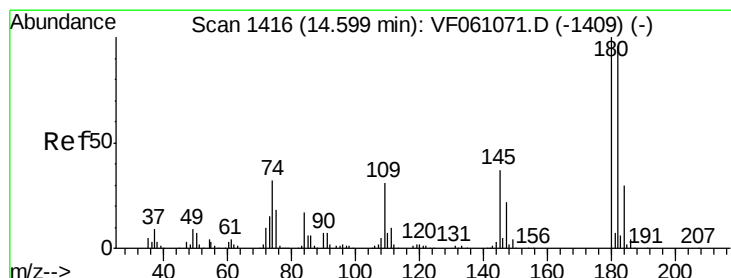
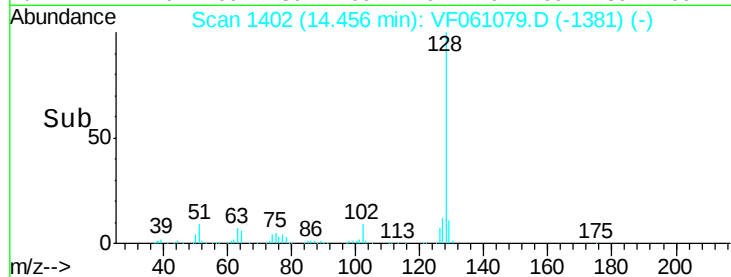
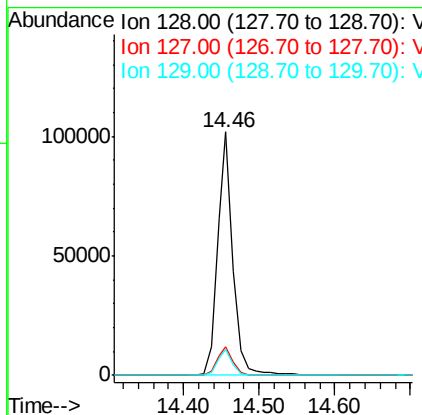
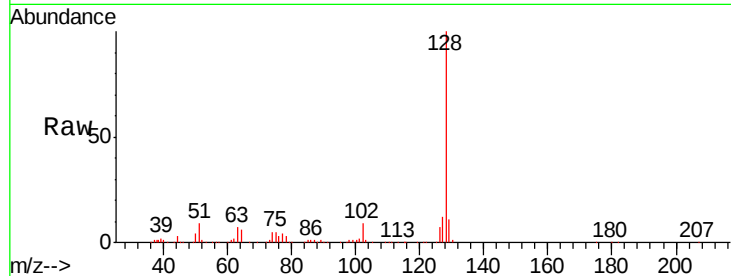
ClientSampleId :

VF1219SBS01

Tgt Ion:	128	Resp:	144942
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.4	14.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
12/20/2018 10:29:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.377 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF061079.D

Acq: 19 Dec 2018 12:25

Tgt Ion:	180	Resp:	76087
Ion Ratio	Lower	Upper	
180	100		
182	100.3	47.9	143.8
145	33.5	18.6	55.8

