

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061103.D
 Acq On : 20 Dec 2018 12:52
 Operator : VA/AP
 Sample : VF1220SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBSD01

Manual Integrations
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 12/21/2018 12:23:02 PM

Quant Time: Dec 21 06:59:21 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	4.87	168	245496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	438561	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	385395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	183010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	143887	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	4.11	113	162305	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
50) Toluene-d8	7.56	98	470625	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
62) 4-Bromofluorobenzene	11.41	95	208701	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	98909	18.124	ug/l	98
3) Chloromethane	1.10	50	66853	21.386	ug/l	100
4) Vinyl Chloride	1.14	62	61031	21.046	ug/l	87
5) Bromomethane	1.33	94	40694	20.232	ug/l	94
6) Chloroethane	1.38	64	24304	18.189	ug/l	91
7) Trichlorofluoromethane	1.49	101	97821	17.667	ug/l	97
8) Diethyl Ether	1.63	74	16570	21.854	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	55153	19.212	ug/l	94
10) Methyl Iodide	1.91	142	90435m	19.984	ug/l	
11) Tert butyl alcohol	2.57	59	13035	102.301	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	45729	21.131	ug/l	88
13) Acrolein	2.00	56	10576m	114.867	ug/l	
14) Allyl chloride	2.09	41	49962	22.185	ug/l	89
15) Acrylonitrile	2.95	53	33845	114.869	ug/l	90
16) Acetone	2.24	43	59592	94.408	ug/l #	86
17) Carbon Disulfide	1.83	76	133579m	20.426	ug/l	
18) Methyl Acetate	2.35	43	26153	20.026	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	88402	18.404	ug/l	96
20) Methylene Chloride	2.26	84	50913m	22.797	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	47298m	20.435	ug/l	
22) Diisopropyl ether	2.80	45	160672	21.418	ug/l	94
23) Vinyl Acetate	3.20	43	375697	108.562	ug/l	98
24) 1,1-Dichloroethane	2.87	63	92969	20.917	ug/l	100
25) 2-Butanone	4.34	43	109871	107.326	ug/l	96
26) 2,2-Dichloropropane	3.59	77	54344	21.306	ug/l	87
27) cis-1,2-Dichloroethene	3.48	96	71585	20.202	ug/l	95
28) Bromochloromethane	3.72	49	47909	21.244	ug/l #	87
29) Tetrahydrofuran	4.07	42	44237	106.170	ug/l	96
30) Chloroform	3.87	83	130749	19.619	ug/l	94
31) Cyclohexane	3.69	56	97854m	21.217	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	77476	19.395	ug/l #	90
36) 1,1-Dichloropropene	4.28	75	101583	19.189	ug/l	98
37) Ethyl Acetate	4.12	43	40016	17.363	ug/l #	90
38) Carbon Tetrachloride	3.99	117	76042	18.862	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	103821	21.861	ug/l	98
40) Benzene	4.64	78	238337	20.936	ug/l	94
41) Methacrylonitrile	4.75	41	22215	19.871	ug/l	96
42) 1,2-Dichloroethane	4.94	62	74960	17.333	ug/l	94
43) Isopropyl Acetate	6.96	43	52605	20.580	ug/l	92
44) Trichloroethene	5.50	130	74844	20.853	ug/l	96
45) 1,2-Dichloropropane	6.24	63	62593	20.209	ug/l	98
46) Dibromomethane	6.09	93	36804	18.321	ug/l	94
47) Bromodichloromethane	6.39	83	93927	17.995	ug/l	100
48) Methyl methacrylate	6.73	41	32259	18.078	ug/l	93
49) 1,4-Dioxane	6.71	88	4454	344.000	ug/l #	79
51) 4-Methyl-2-Pentanone	8.27	43	165619	94.477	ug/l	97
52) Toluene	7.62	92	151455	20.098	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	77926	18.507	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	101294	19.168	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	42817	18.953	ug/l	97
56) Ethyl methacrylate	8.62	69	43880	17.950	ug/l	96
57) 1,3-Dichloropropane	8.86	76	81028	19.831	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	44321	94.403	ug/l	98
59) 2-Hexanone	9.50	43	129391	102.064	ug/l	97
60) Dibromochloromethane	8.72	129	57610	17.790	ug/l	99
61) 1,2-Dibromoethane	8.99	107	46819	19.405	ug/l	100
64) Tetrachloroethene	8.16	164	59166	19.957	ug/l	97
65) Chlorobenzene	9.80	112	160217	20.123	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	61986	19.051	ug/l	96
67) Ethyl Benzene	9.90	91	297201	20.490	ug/l	99
68) m/p-Xylenes	10.14	106	210550	41.247	ug/l	99
69) o-Xylene	10.72	106	118418	20.917	ug/l	88
70) Styrene	10.79	104	164150	20.958	ug/l	98
71) Bromoform	10.77	173	28017	18.612	ug/l #	93
73) Isopropylbenzene	11.13	105	338267	21.449	ug/l	98
74) N-amyl acetate	11.37	43	79661	22.751	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	55229	21.100	ug/l	88
76) 1,2,3-Trichloropropane	11.80	75	37204	19.100	ug/l	97
77) Bromobenzene	11.50	156	70085	20.644	ug/l	89
78) n-propylbenzene	11.60	91	415402	20.308	ug/l	99
79) 2-Chlorotoluene	11.73	91	230160	21.274	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	270042	20.795	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	16920m	20.214	ug/l	
82) 4-Chlorotoluene	11.91	91	231307	20.667	ug/l	98
83) tert-Butylbenzene	12.13	119	282028	21.105	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	267023	20.620	ug/l	99
85) sec-Butylbenzene	12.31	105	382523	21.935	ug/l	99
86) p-Isopropyltoluene	12.47	119	322301	22.266	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	136057	21.490	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	127583	20.466	ug/l	99
89) n-Butylbenzene	12.84	91	340312	20.553	ug/l	95
90) Hexachloroethane	12.92	117	72205	20.190	ug/l	83
91) 1,2-Dichlorobenzene	12.94	146	123718	20.384	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9001	18.740	ug/l	84

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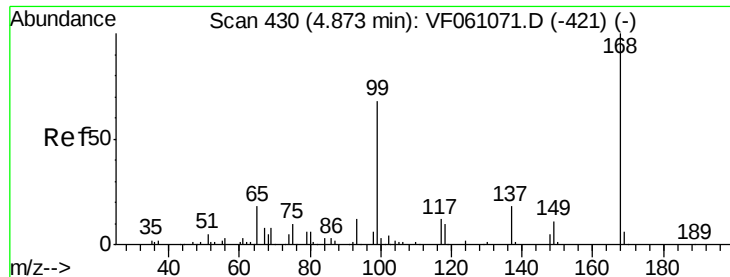
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	86035	19.988	ug/l	92
94) Hexachlorobutadiene	14.19	225	55596	20.280	ug/l	94
95) Naphthalene	14.46	128	152192	19.363	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	77113	19.379	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion:168 Resp: 245496

Ion Ratio Lower Upper

168 100

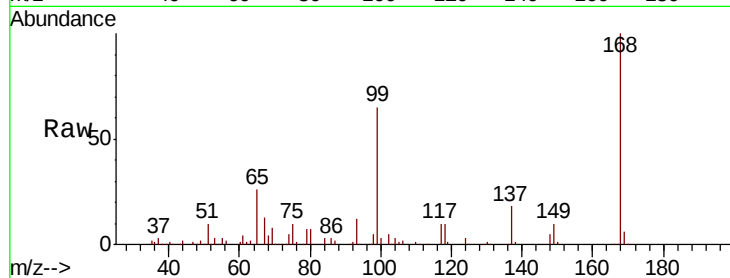
99 65.2 54.4 81.6

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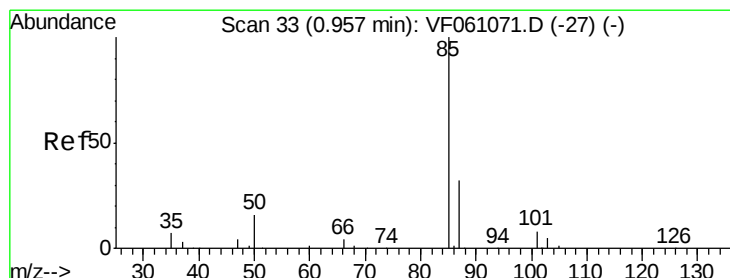
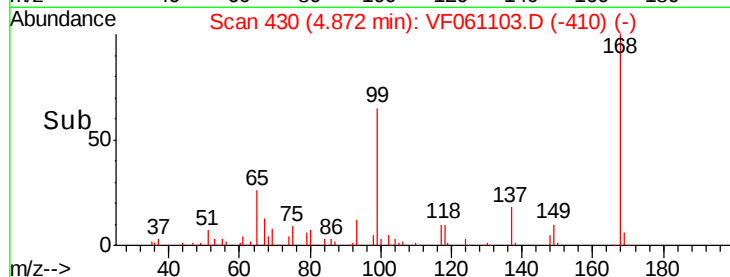


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 18.124 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061103.D

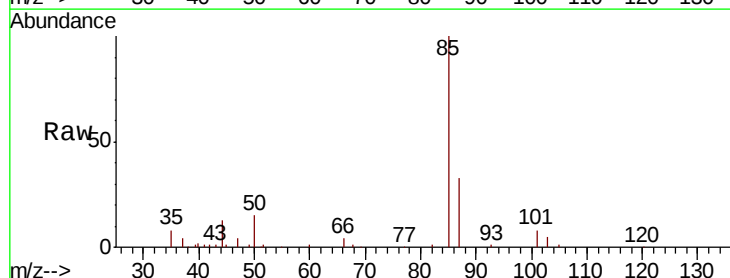
Acq: 20 Dec 2018 12:52

Tgt Ion: 85 Resp: 98909

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6

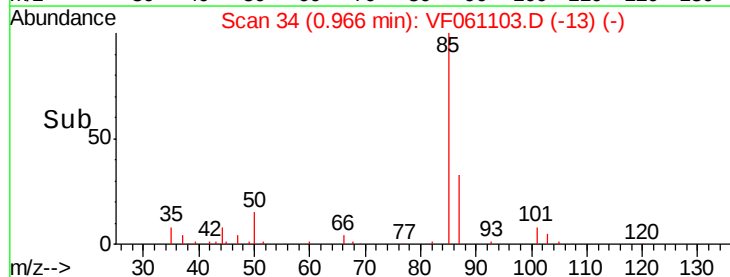


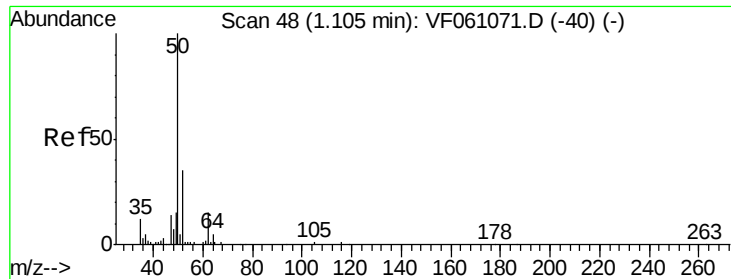
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.386 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 50 Resp: 66853

Ion Ratio Lower Upper

50 100

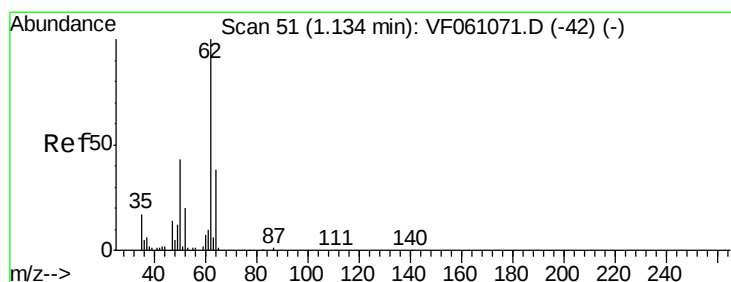
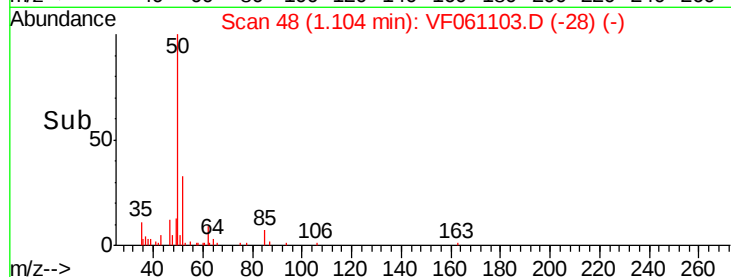
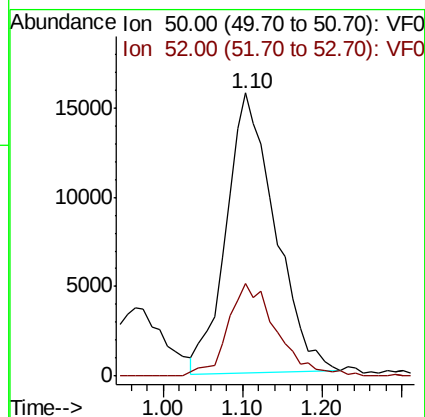
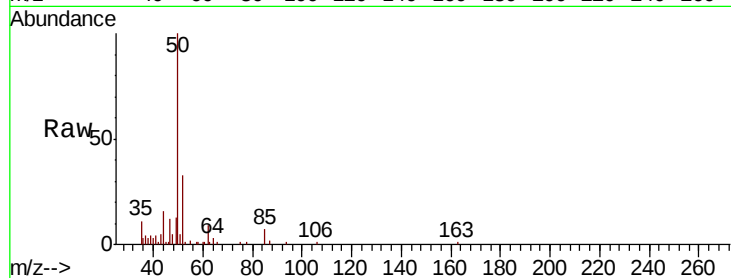
52 32.8 26.3 39.5

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#4

Vinyl Chloride

Concen: 21.046 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061103.D

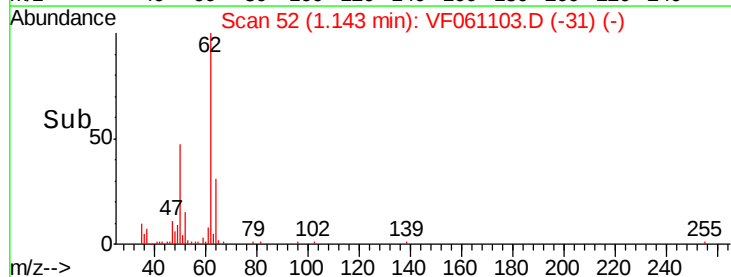
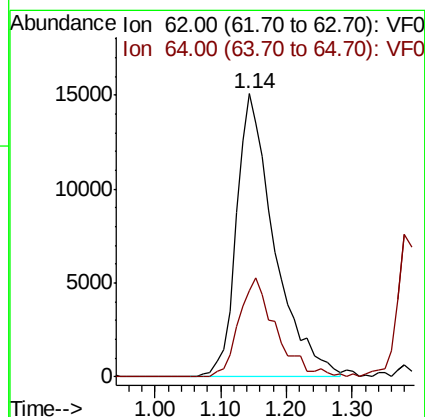
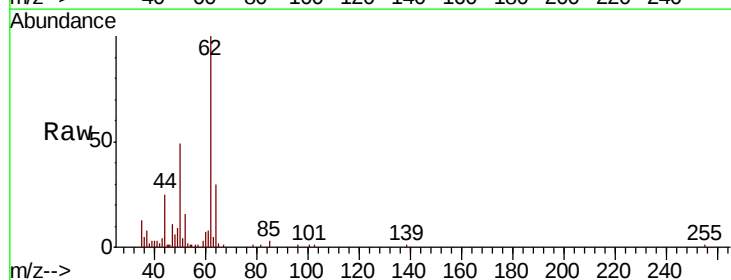
Acq: 20 Dec 2018 12:52

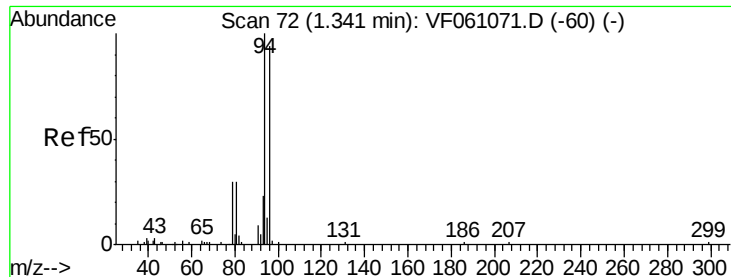
Tgt Ion: 62 Resp: 61031

Ion Ratio Lower Upper

62 100

64 30.4 30.4 45.6





#5

Bromomethane

Concen: 20.232 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

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ClientSampleId :

VF1220SBS01

Tot Ion: 94 Resp: 40694

Ion Ratio Lower Upper

94 100

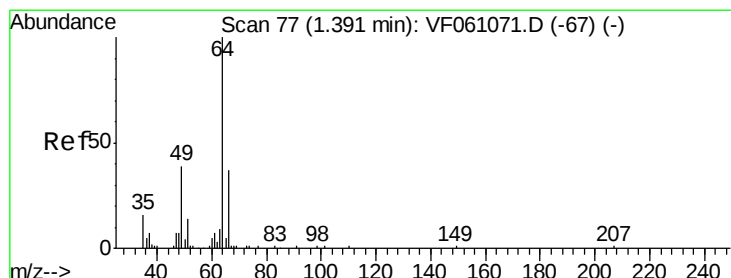
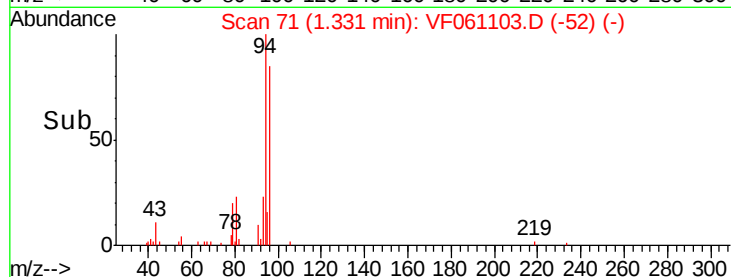
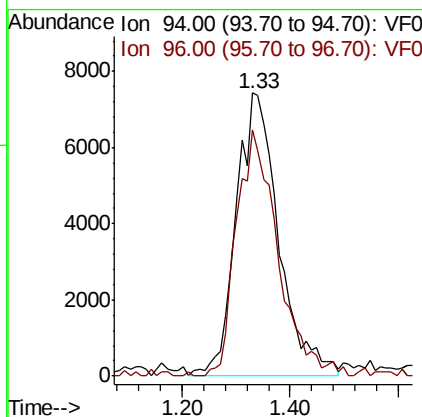
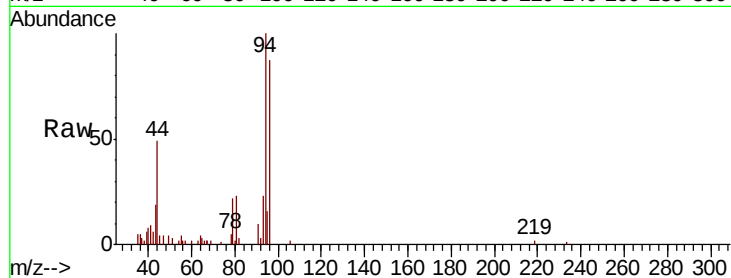
96 87.1 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 18.189 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061103.D

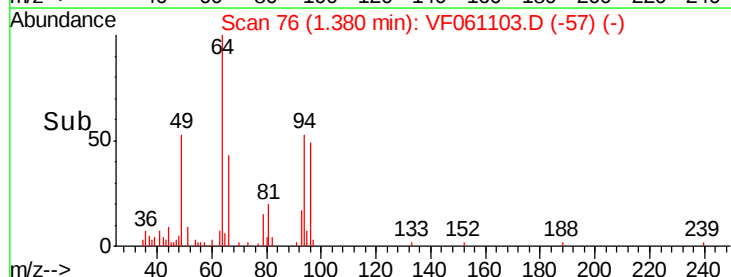
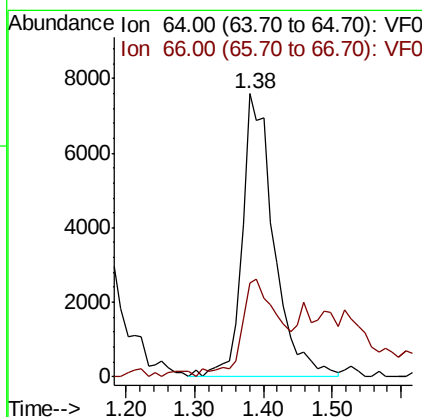
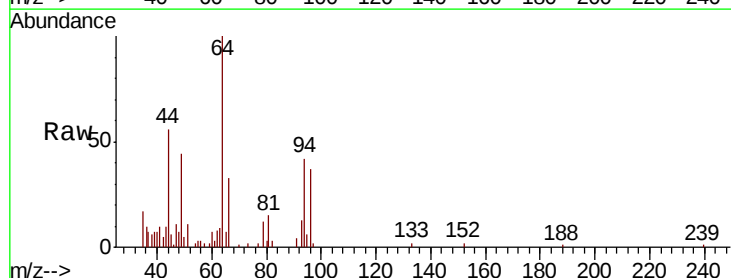
Acq: 20 Dec 2018 12:52

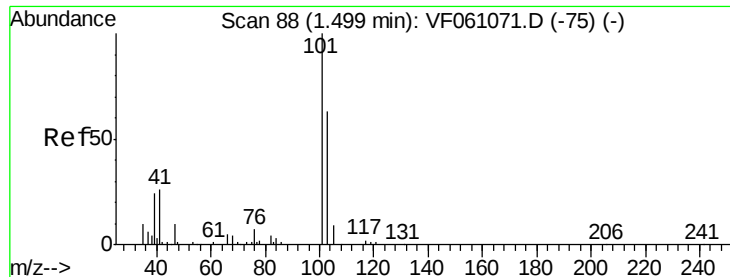
Tgt Ion: 64 Resp: 24304

Ion Ratio Lower Upper

64 100

66 33.0 30.9 46.3





#7

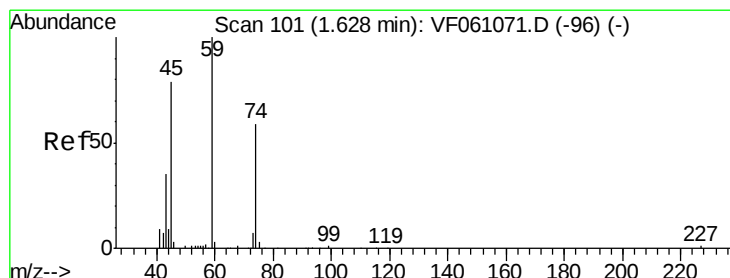
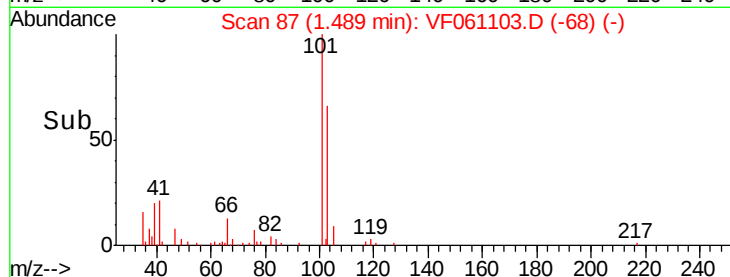
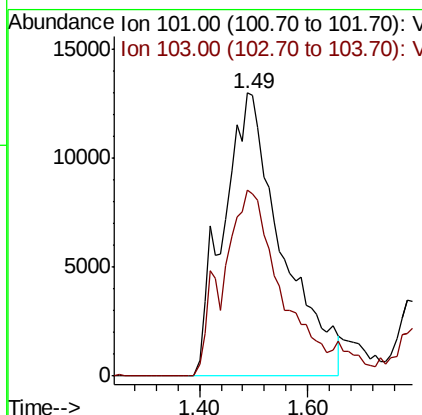
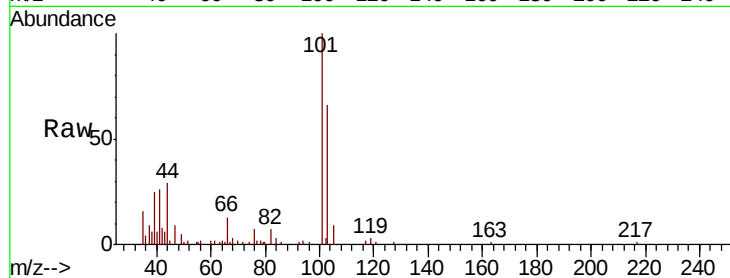
Trichlorofluoromethane
Concen: 17.667 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

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ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.7	76.1

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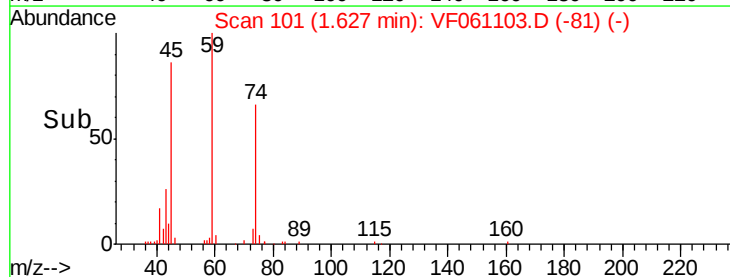
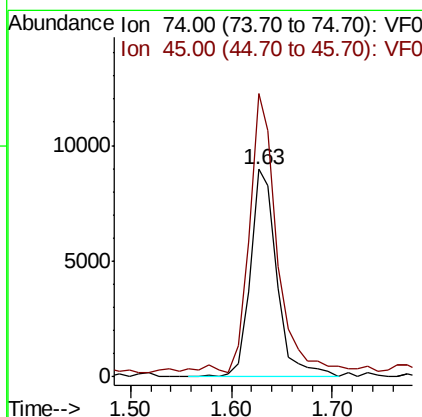
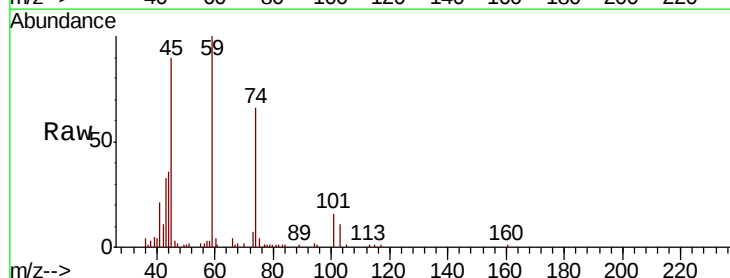
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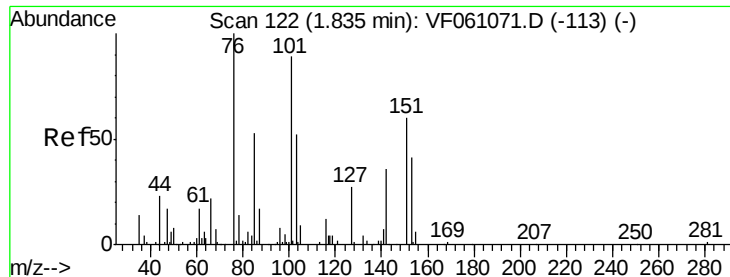


#8

Diethyl Ether
Concen: 21.854 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.3	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.212 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

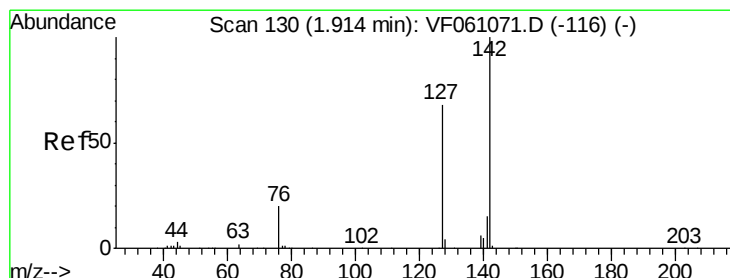
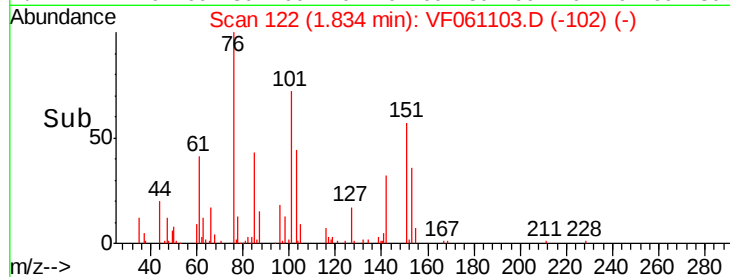
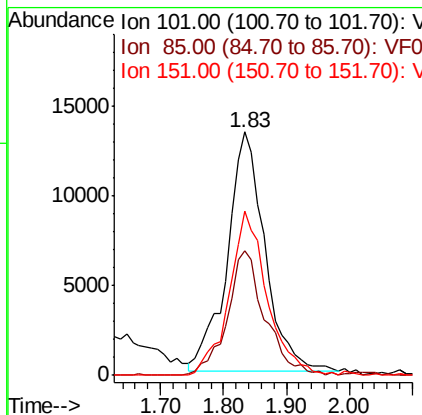
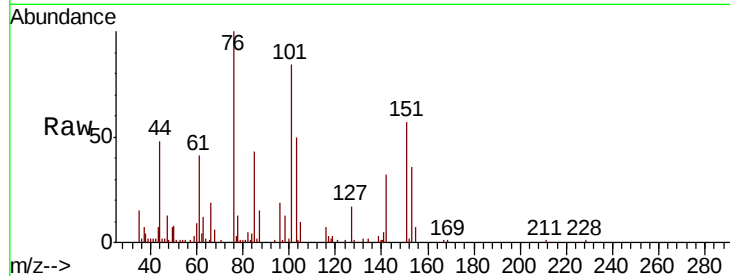
ClientSampleId :

VF1220SBS01

Tot Ion:	101	Resp:	55153
Ion Ratio	Lower	Upper	
101	100		
85	51.1	44.5	66.7
151	67.6	49.9	74.9

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#10

Methyl Iodide

Concen: 19.984 ug/l m

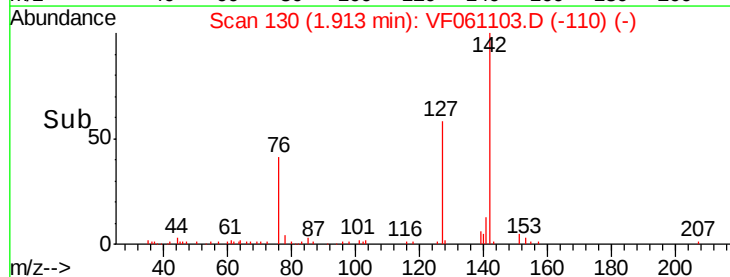
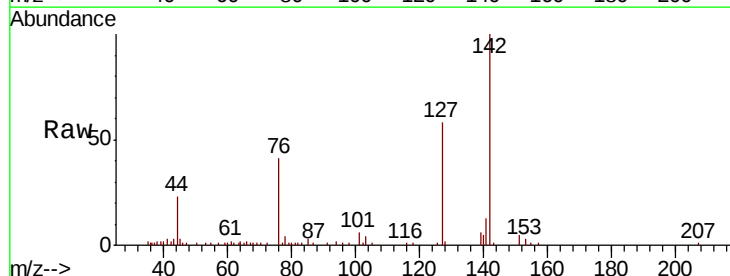
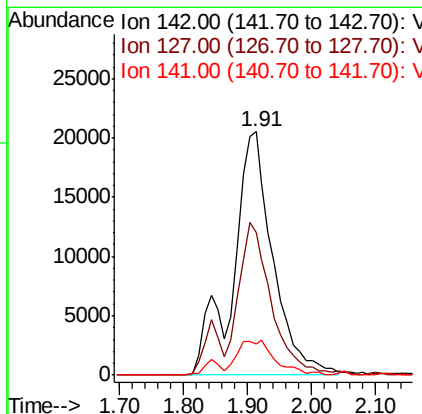
RT: 1.91 min Scan# 130

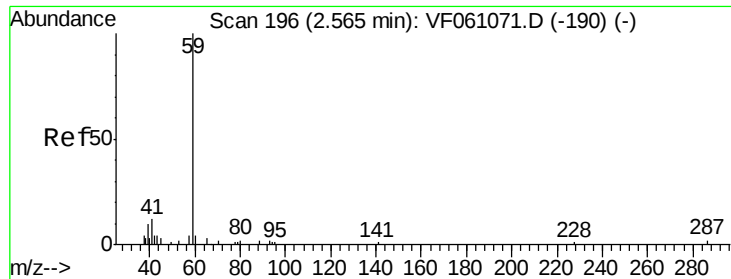
Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	142	Resp:	90435
Ion Ratio	Lower	Upper	
142	100		
127	58.4	54.7	82.1
141	12.8	12.2	18.2





#11

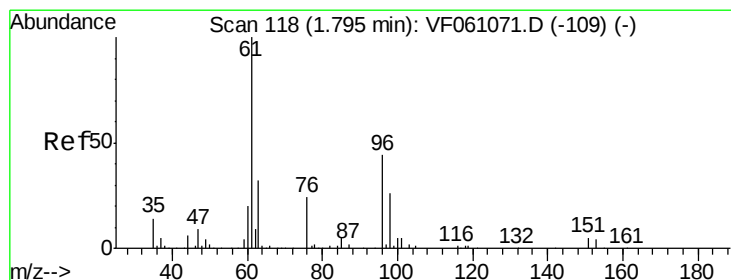
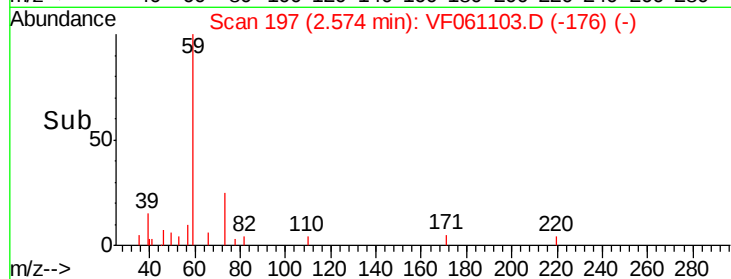
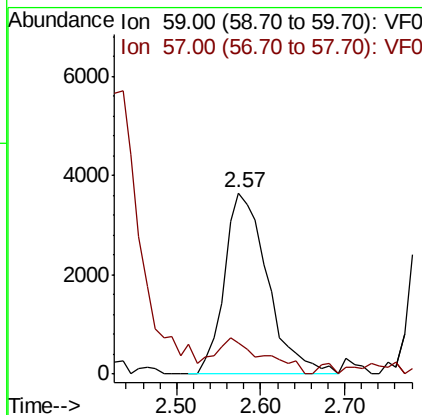
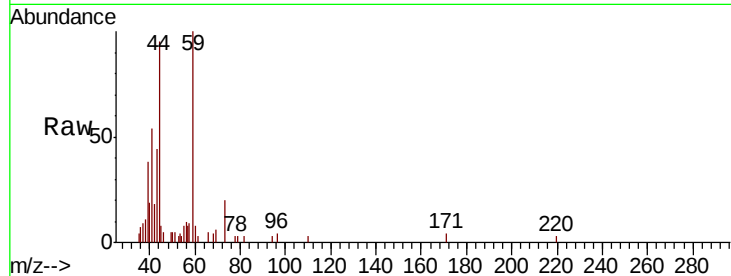
Tert butyl alcohol
Concen: 102.301 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	59	Resp	13035
Ion Ratio	100	Lower	Upper
59	100		
57	17.4	11.5	17.3#

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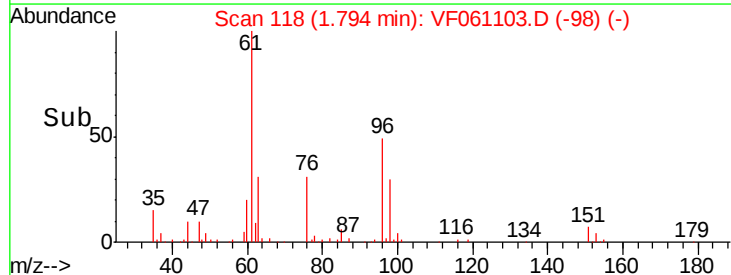
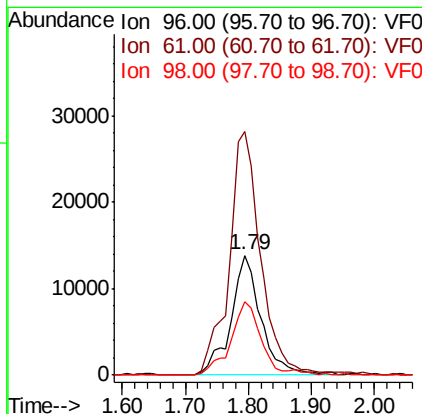
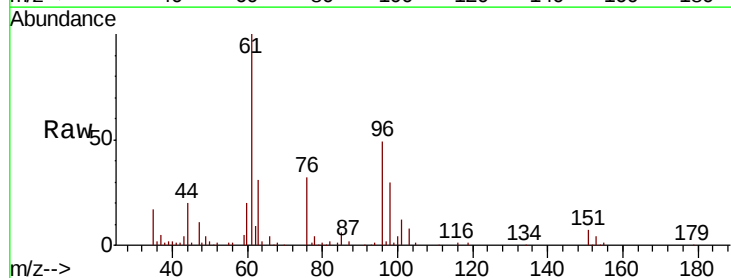
apatel
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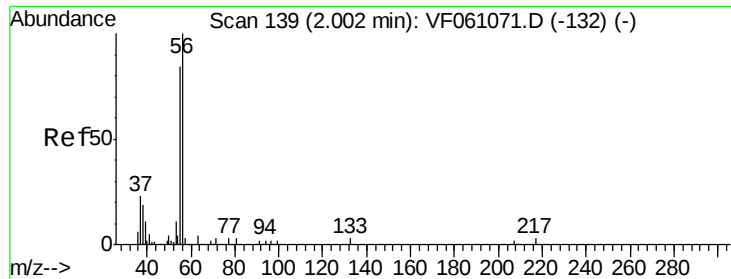


#12

1,1-Dichloroethene
Concen: 21.131 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	96	Resp	45729
Ion Ratio	100	Lower	Upper
96	100		
61	203.8	182.0	273.0
98	61.6	46.5	69.7





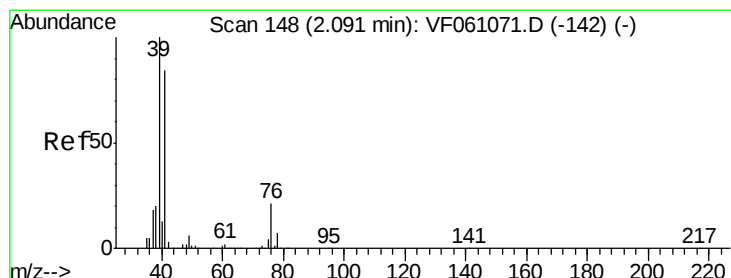
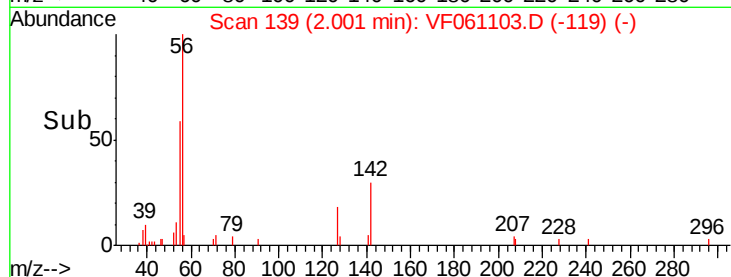
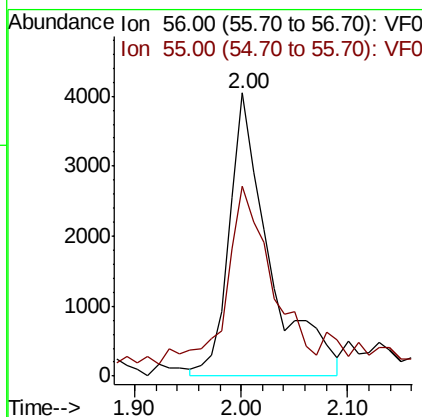
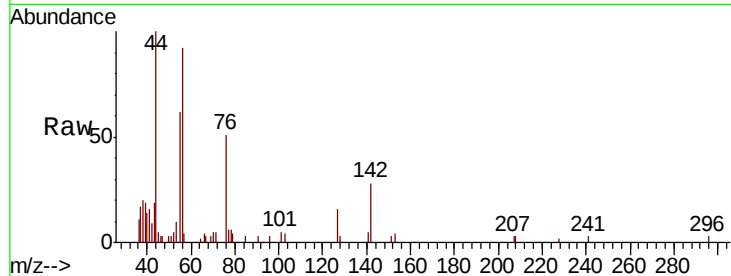
#13
Acrolein
Concen: 114.867 ug/l m
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	56	Resp	10576
Ion Ratio	100	Lower	Upper
55	67.2	70.2	105.2#

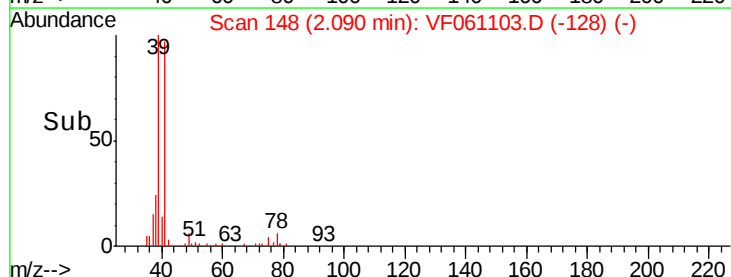
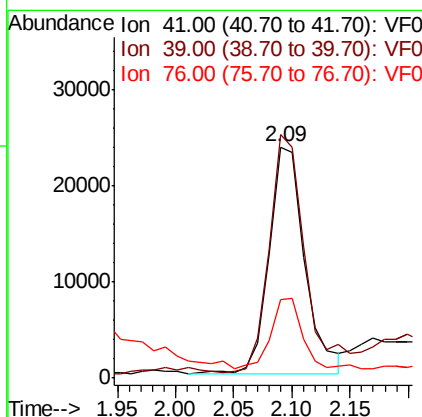
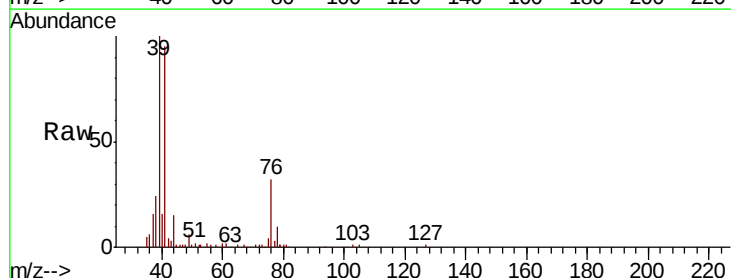
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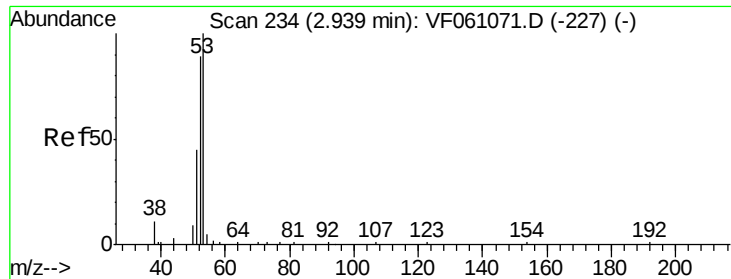
apatel
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#14
Allyl chloride
Concen: 22.185 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	41	Resp	49962
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
39	105.5	96.4	144.6
76	33.8	25.4	38.0





#15

Acrylonitrile

Concen: 114.869 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

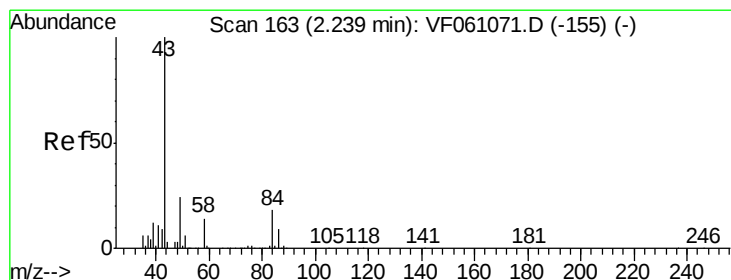
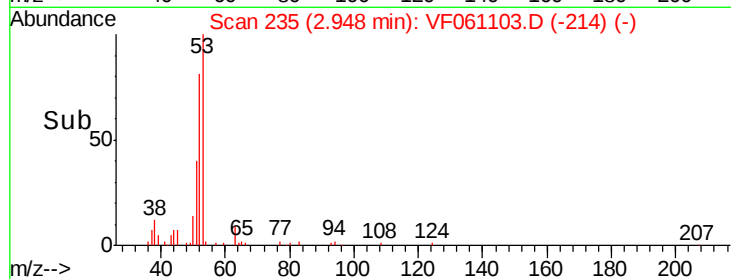
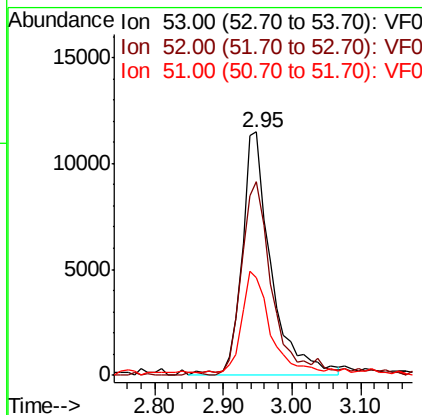
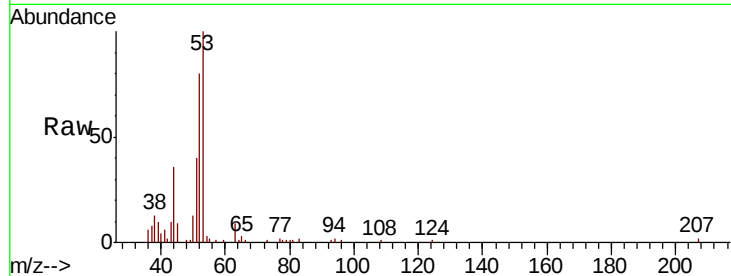
ClientSampleId :

VF1220SBS01

Tot Ion:	53	Resp:	33845
Ion	Ratio	Lower	Upper
53	100		
52	79.7	71.3	106.9
51	39.9	36.8	55.2

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#16

Acetone

Concen: 94.408 ug/l

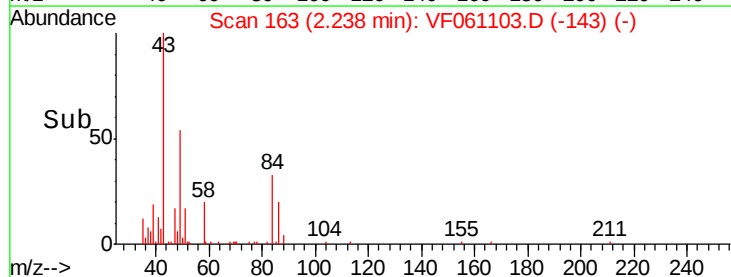
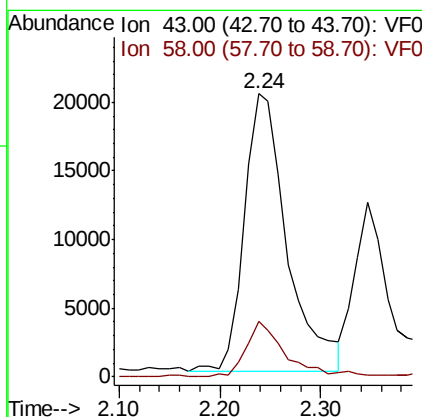
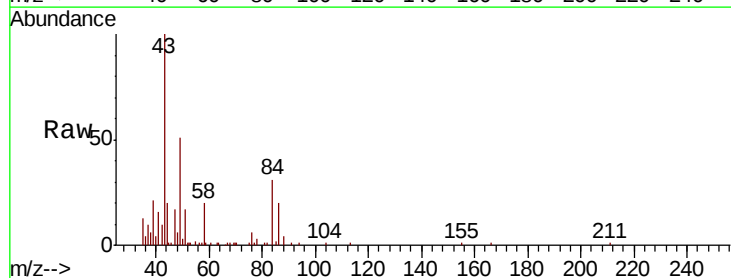
RT: 2.24 min Scan# 163

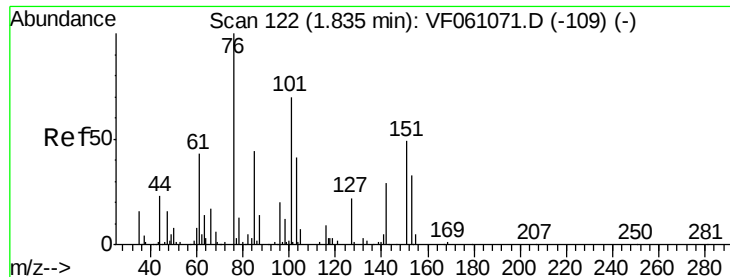
Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	43	Resp:	59592
Ion	Ratio	Lower	Upper
43	100		
58	19.5	11.1	16.7#





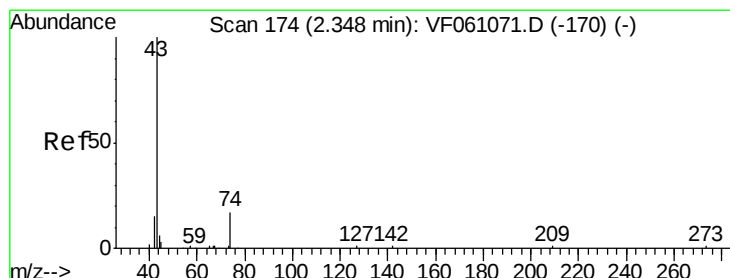
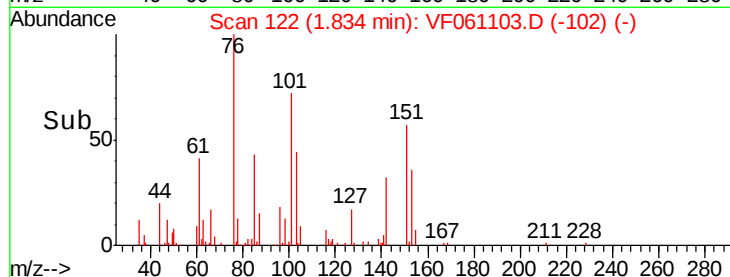
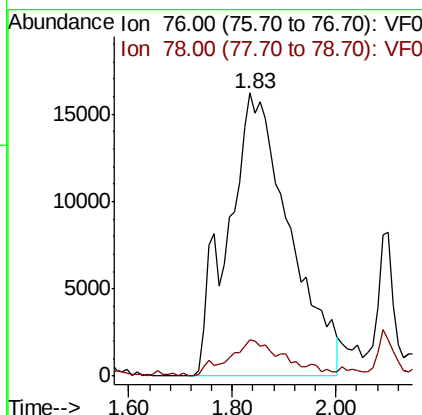
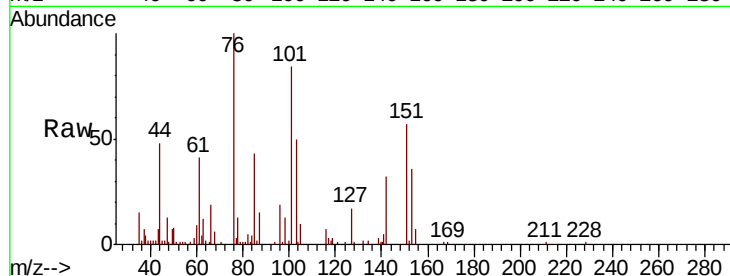
#17
Carbon Disulfide
Concen: 20.426 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion: 76 Resp: 133579
Ion Ratio Lower Upper
76 100
78 13.0 10.2 15.4

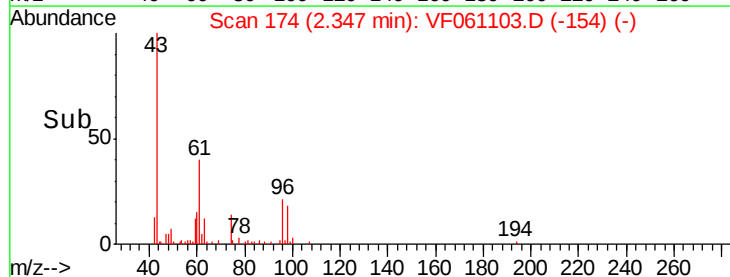
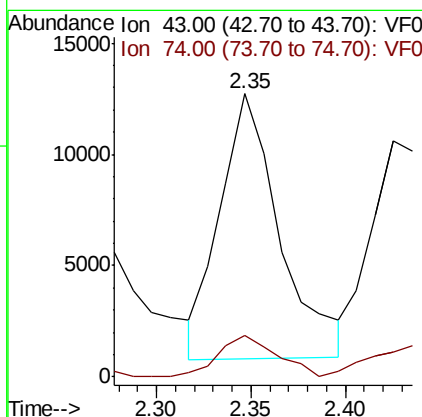
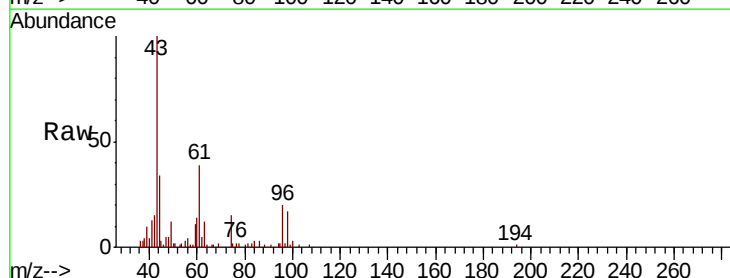
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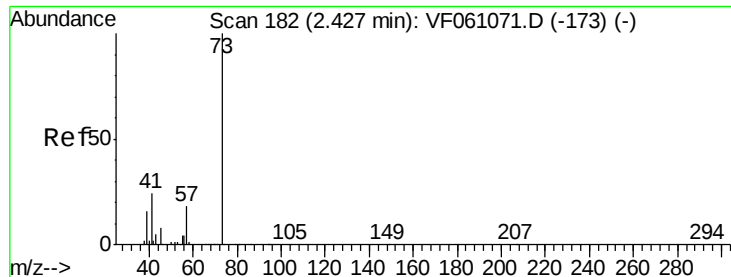
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#18
Methyl Acetate
Concen: 20.026 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion: 43 Resp: 26153
Ion Ratio Lower Upper
43 100
74 14.8 11.0 16.6





#19

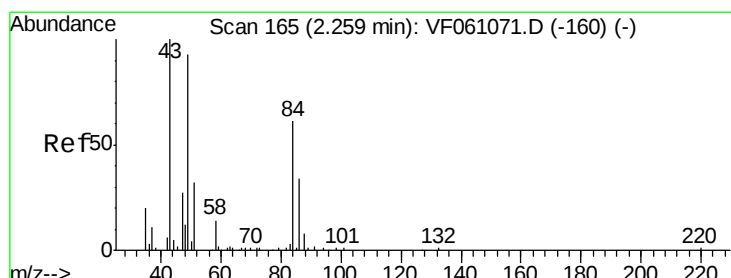
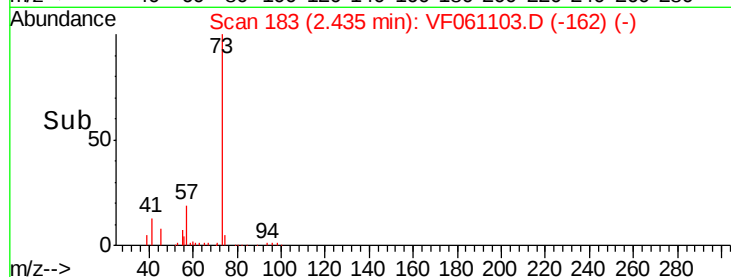
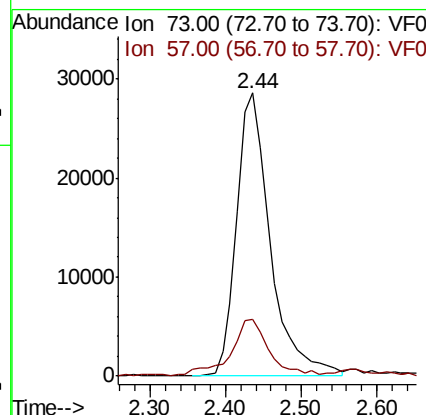
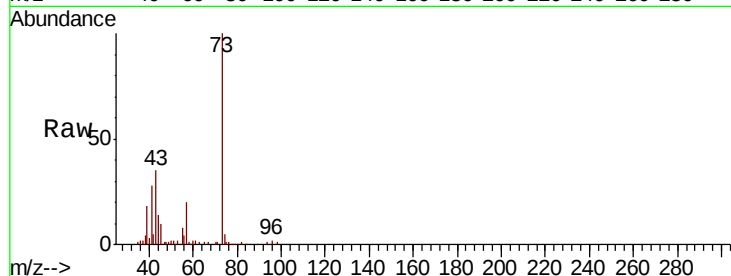
Methyl tert-butyl Ether
 Concen: 18.404 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	20.0	14.5	21.7

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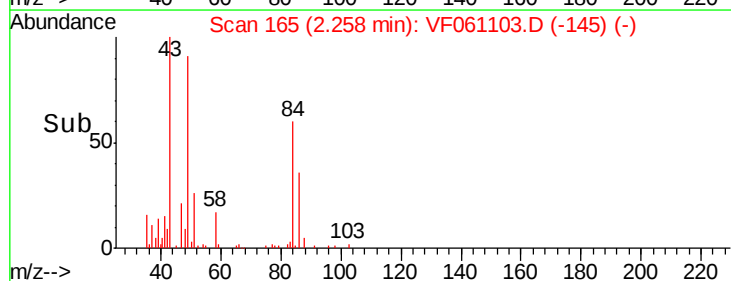
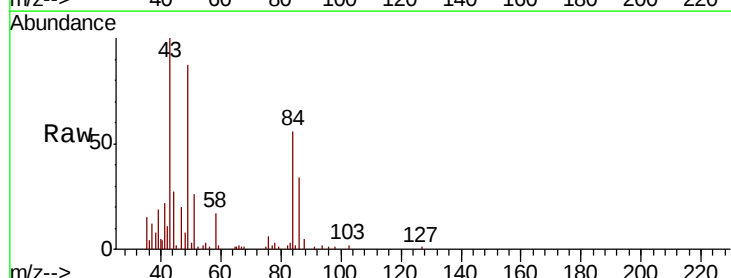
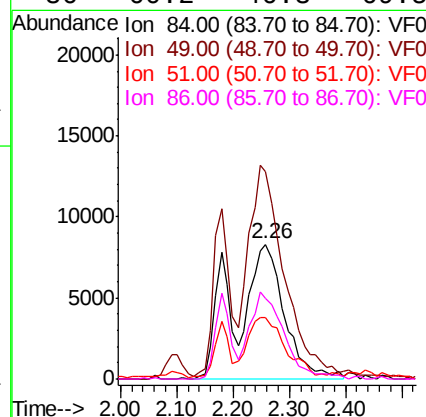
apatel
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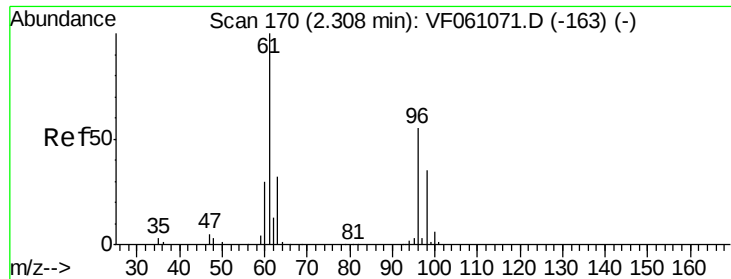


#20

Methylene Chloride
 Concen: 22.797 ug/l m
 RT: 2.26 min Scan# 165
 Delta R.T. -0.00 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	154.2	129.4	194.2
51	51	45.9	44.0	66.0
86	86	60.2	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 20.435 ug/l m

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 96 Resp: 47298

Ion Ratio Lower Upper

96 100

61 173.5 146.0 219.0

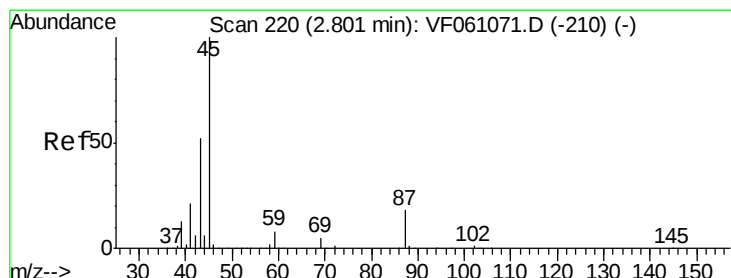
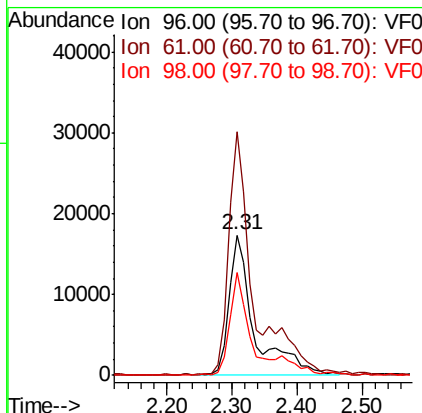
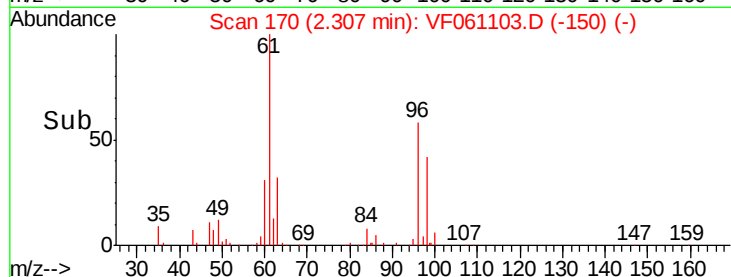
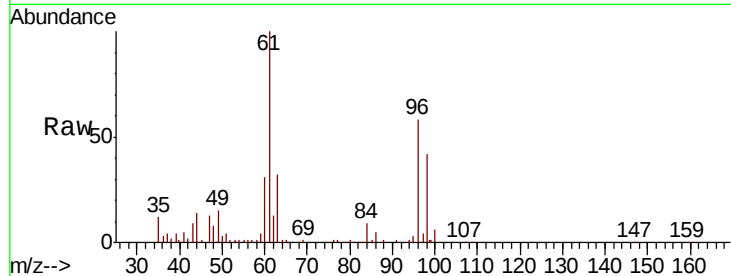
98 72.8 51.6 77.4

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#22

Diisopropyl ether

Concen: 21.418 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion: 45 Resp: 160672

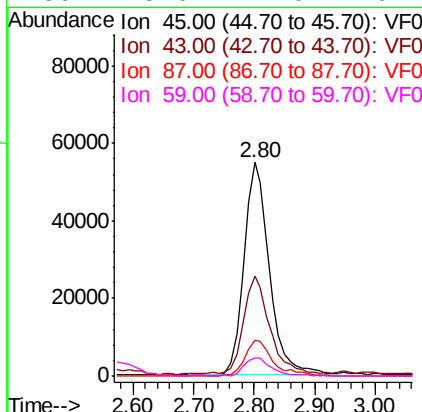
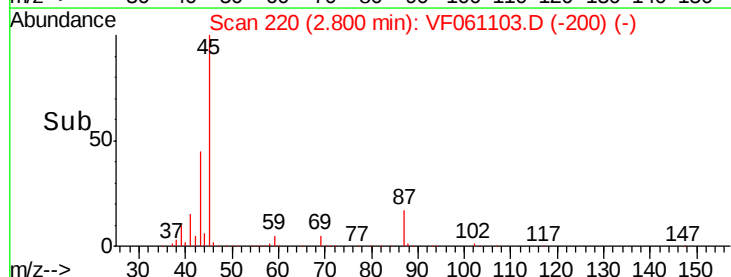
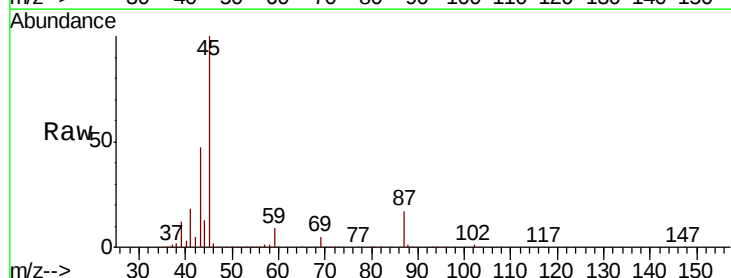
Ion Ratio Lower Upper

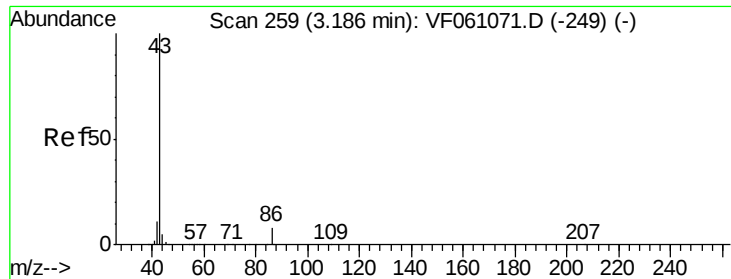
45 100

43 47.0 42.2 63.2

87 16.7 14.6 22.0

59 8.6 7.0 10.4





#23

Vinyl Acetate

Concen: 108.562 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 43 Resp: 375697

Ion Ratio Lower Upper

43 100

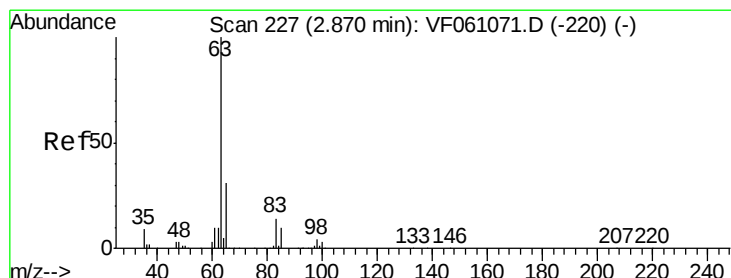
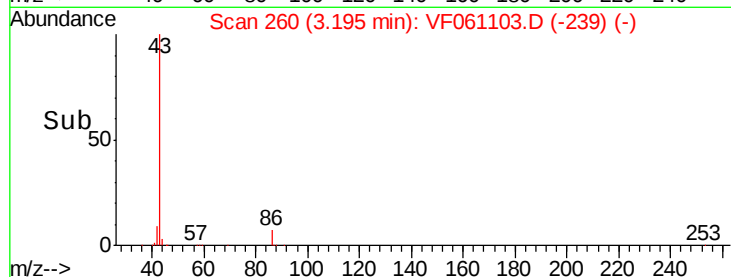
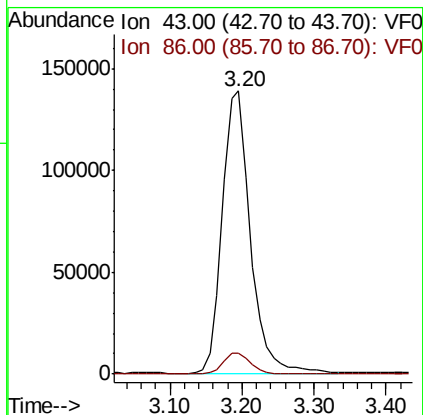
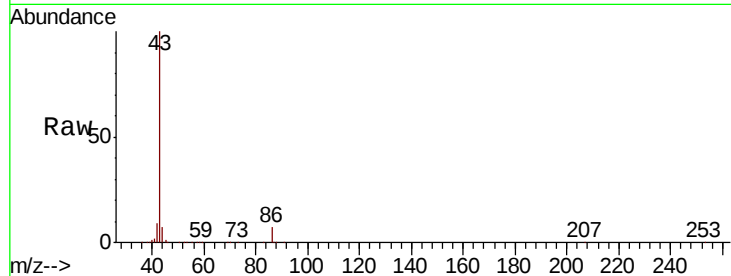
86 7.4 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.917 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

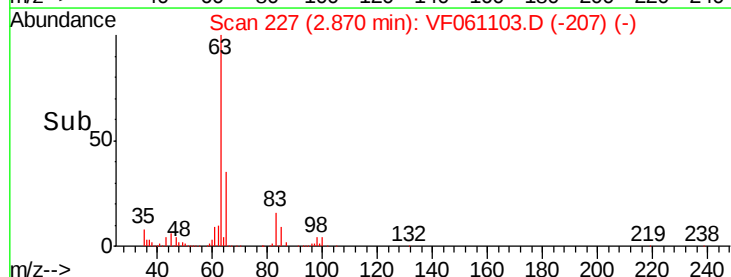
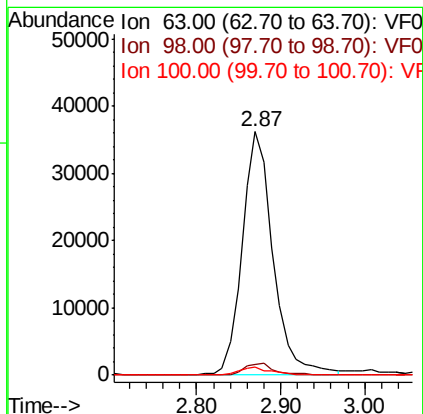
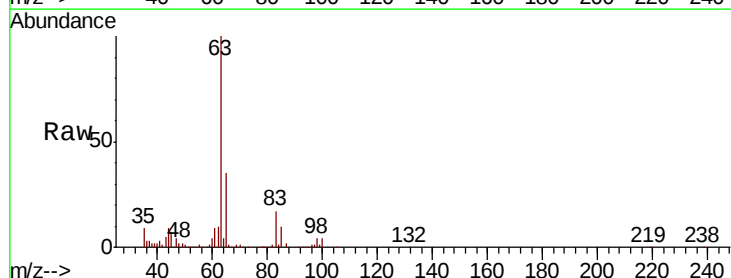
Tgt Ion: 63 Resp: 92969

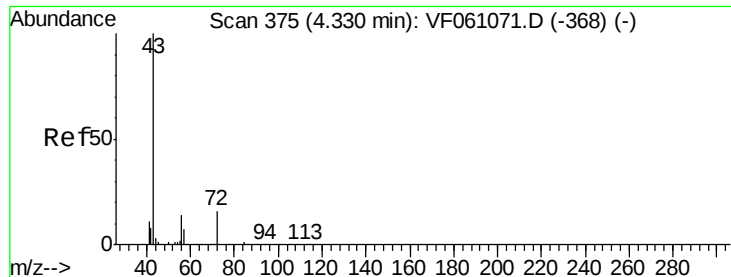
Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 3.5 1.7 5.1





#25

2-Butanone

Concen: 107.326 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 43 Resp: 109871

Ion Ratio Lower Upper

43 100

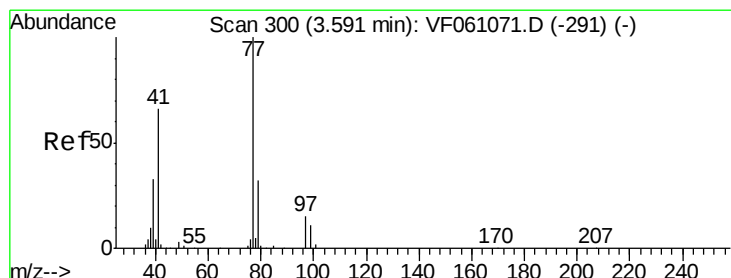
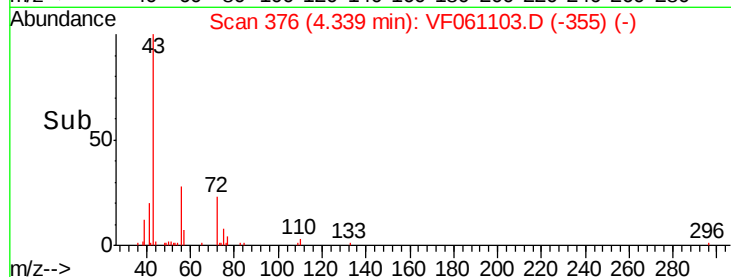
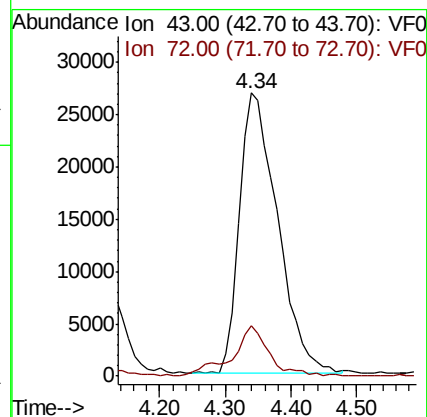
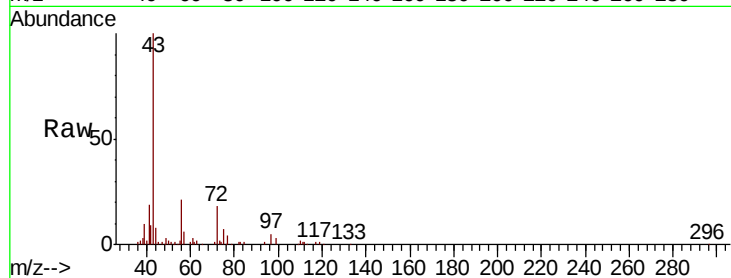
72 17.8 15.6 23.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.306 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061103.D

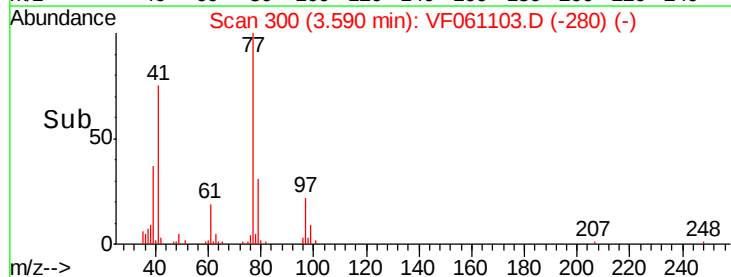
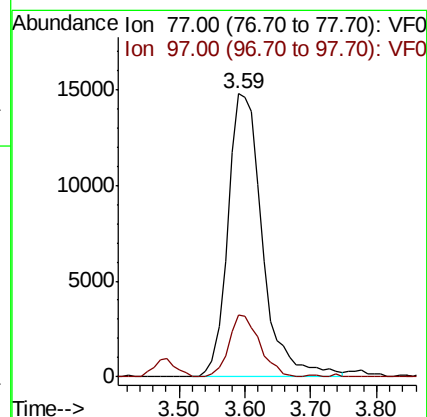
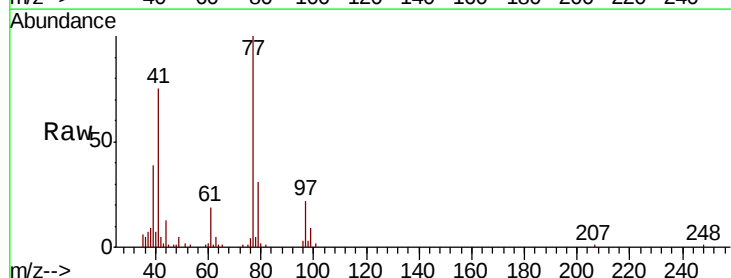
Acq: 20 Dec 2018 12:52

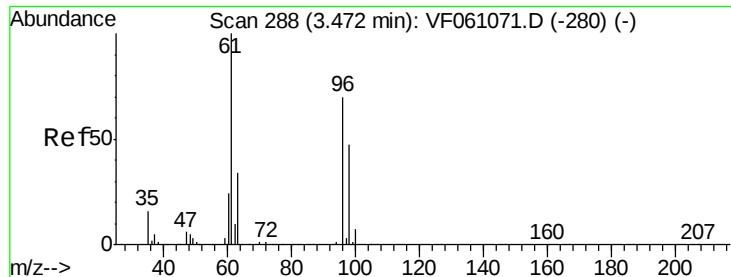
Tgt Ion: 77 Resp: 54344

Ion Ratio Lower Upper

77 100

97 21.8 8.2 24.4





#27

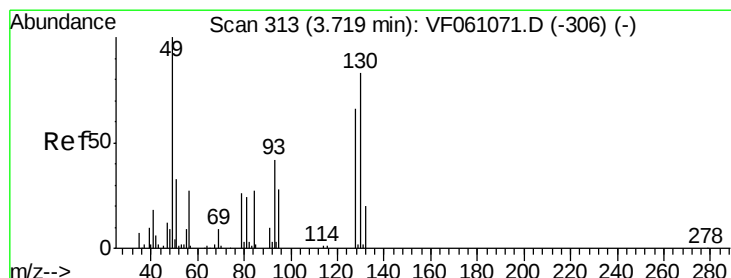
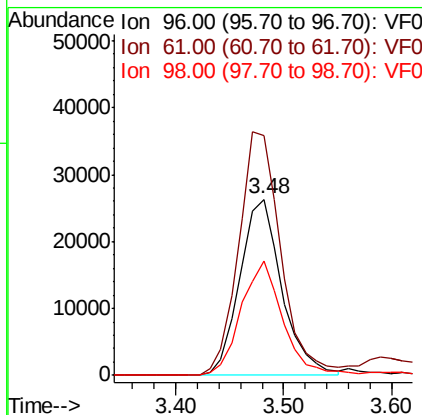
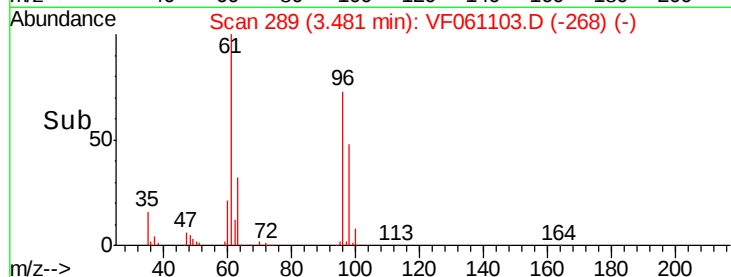
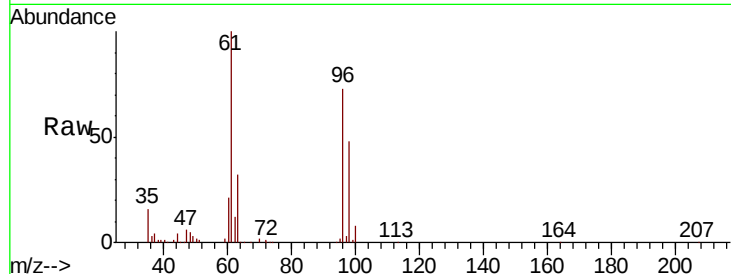
cis-1,2-Dichloroethene
 Concen: 20.202 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	71585		
61	136.1		0.0	287.8
98	64.7		0.0	134.2

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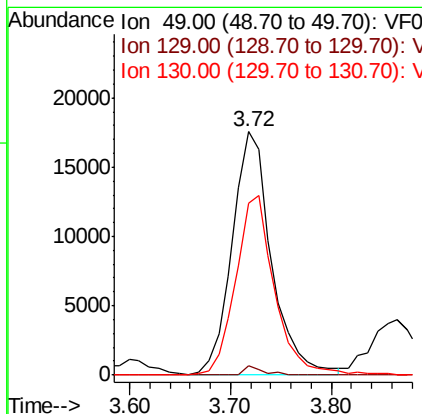
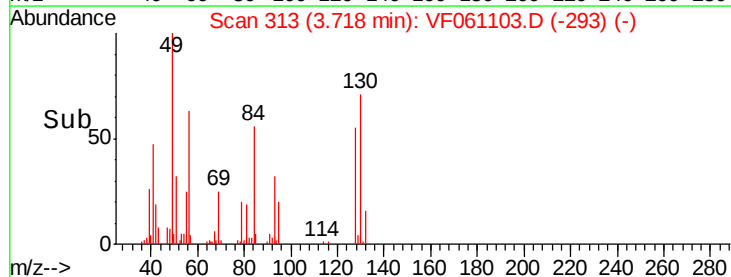
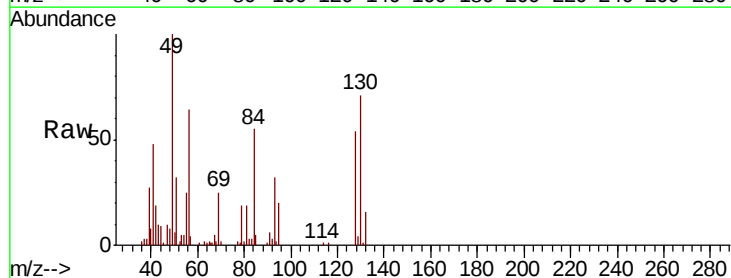
apatel
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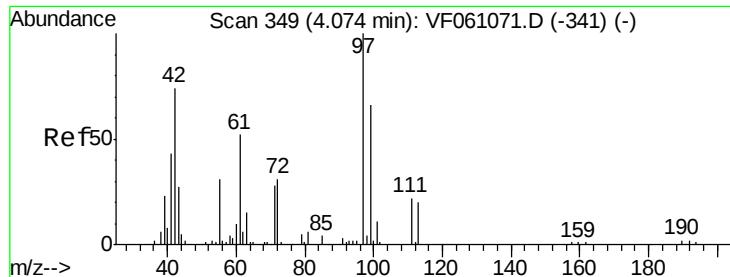


#28

Bromochloromethane
 Concen: 21.244 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47909		
129	3.9		0.0	3.6#
130	70.5		65.8	98.6





#29

Tetrahydrofuran

Concen: 106.170 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 42 Resp: 44237

Ion Ratio Lower Upper

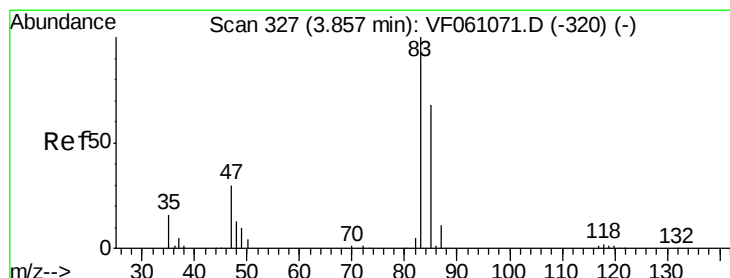
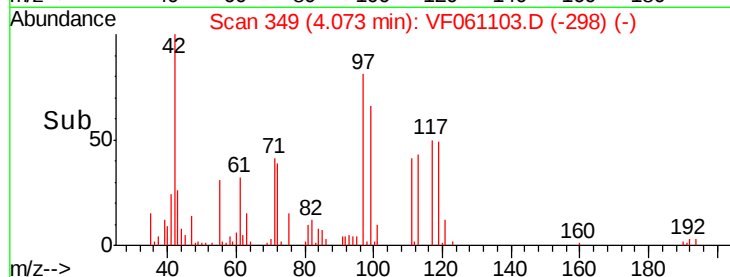
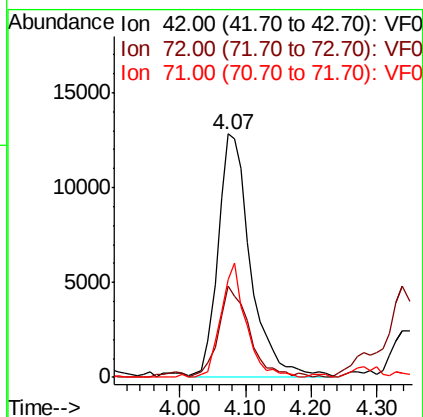
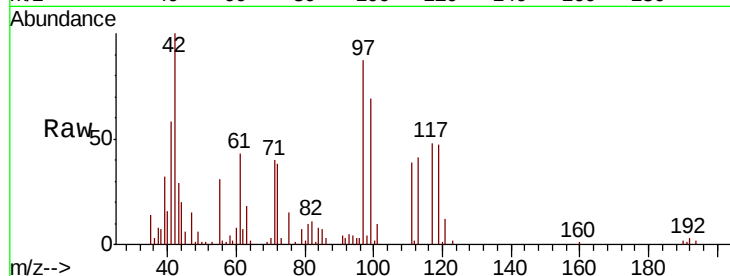
42 100

72 35.8 31.8 47.8

71 36.1 29.7 44.5

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#30

Chloroform

Concen: 19.619 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF061103.D

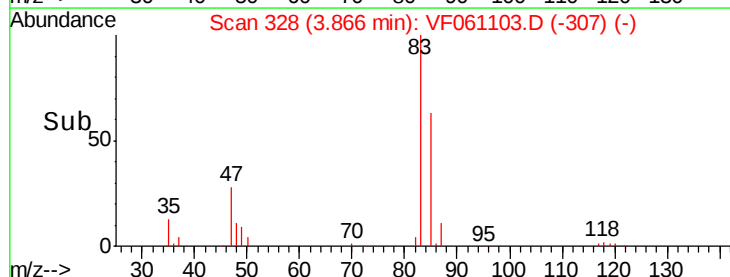
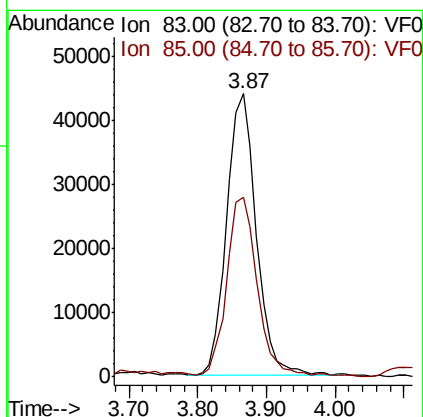
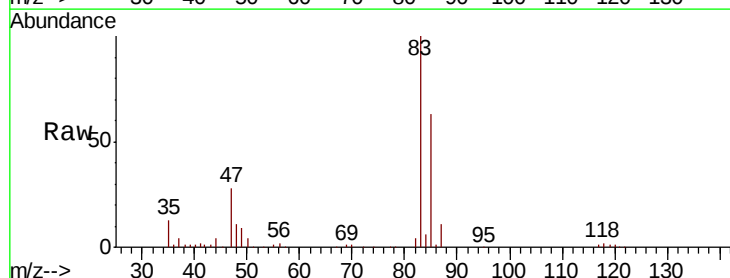
Acq: 20 Dec 2018 12:52

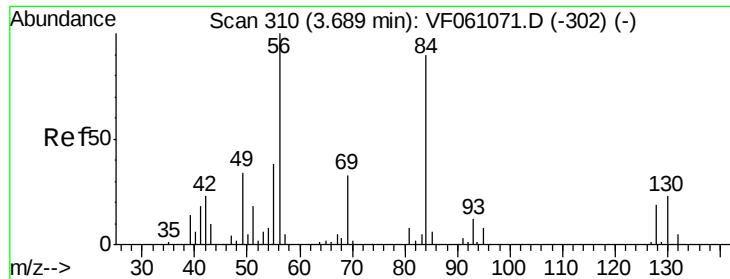
Tgt Ion: 83 Resp: 130749

Ion Ratio Lower Upper

83 100

85 63.3 54.5 81.7





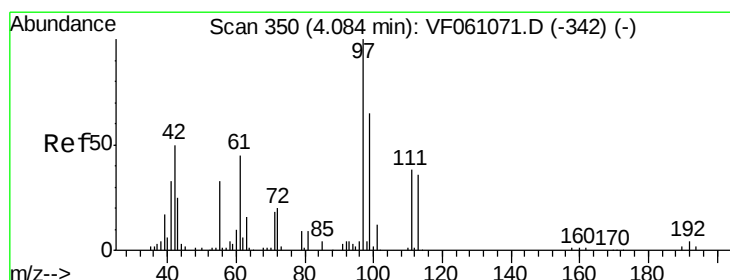
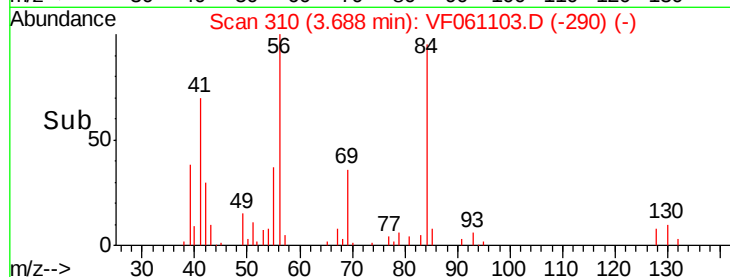
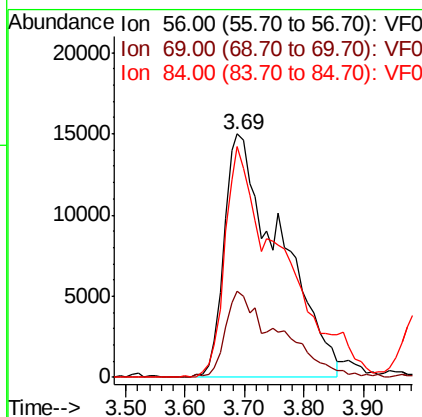
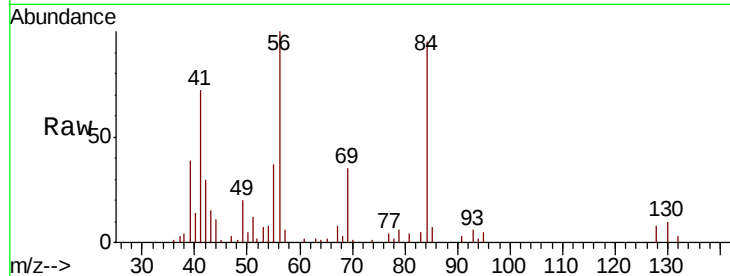
#31
Cyclohexane
Concen: 21.217 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	26.0	39.0
84	94.6	71.4	107.2

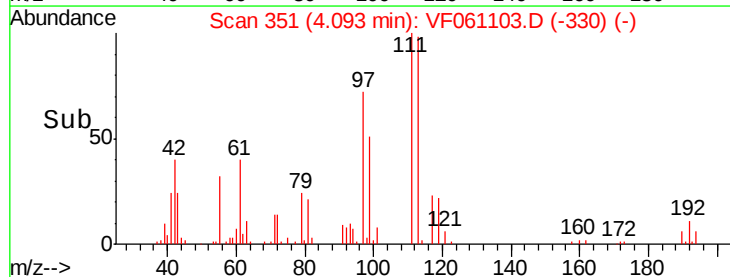
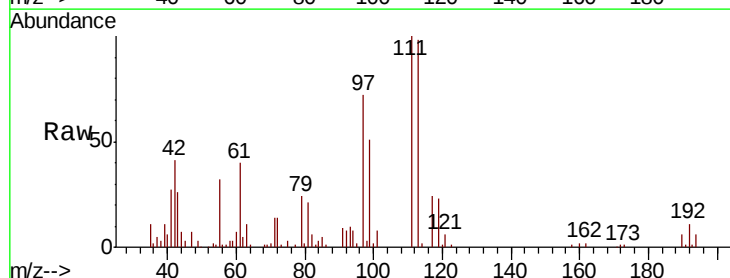
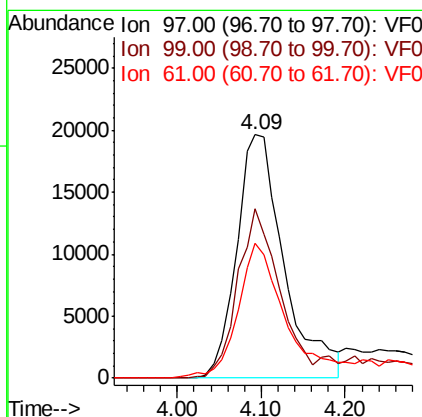
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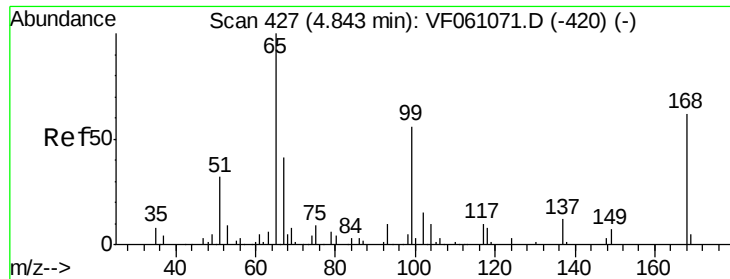
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#32
1,1,1-Trichloroethane
Concen: 19.395 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.8	51.6	77.4
61	55.3	36.2	54.2





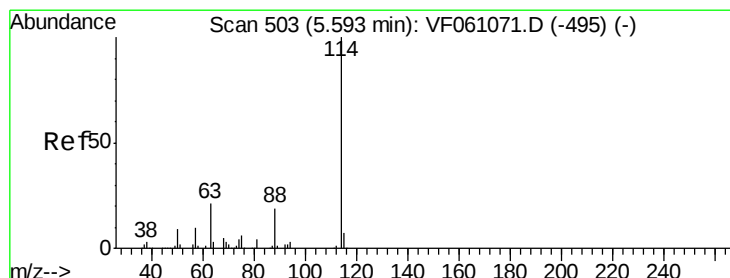
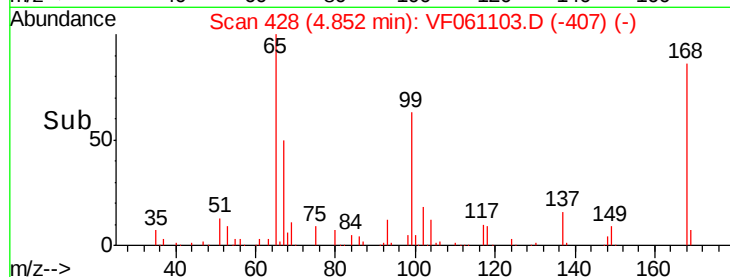
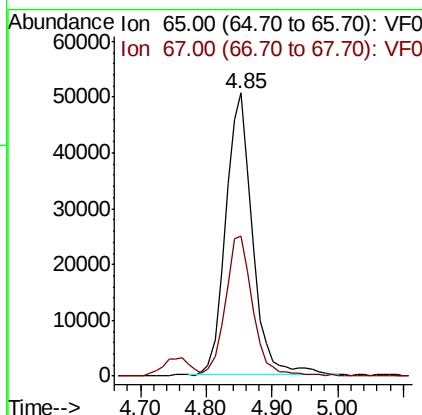
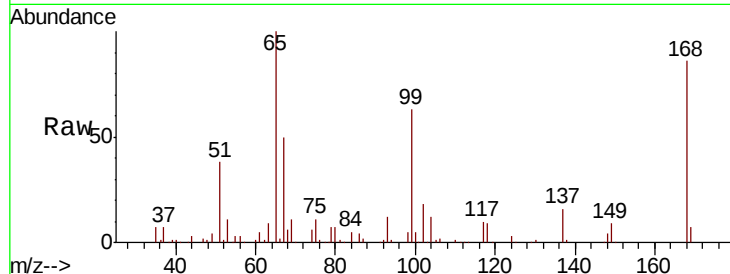
#33
 1,2-Dichloroethane-d4
 Concen: 45.570 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143887		
67	49.6	0.0	94.6	

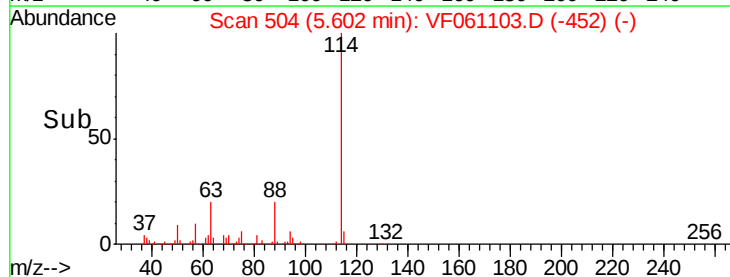
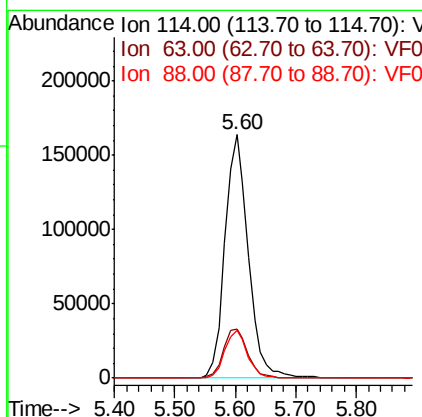
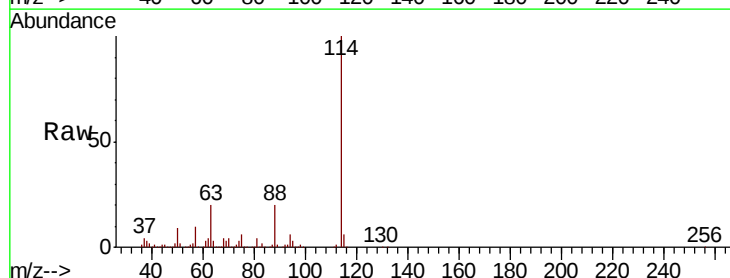
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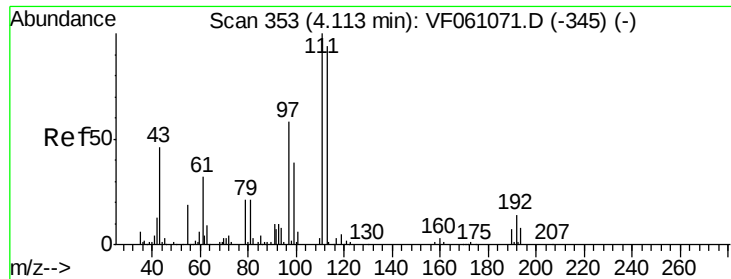
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	438561		
63	20.0	0.0	41.6	
88	19.6	0.0	38.0	





#35

Dibromofluoromethane

Concen: 46.200 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

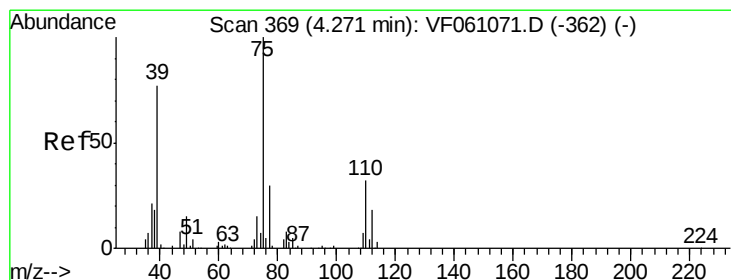
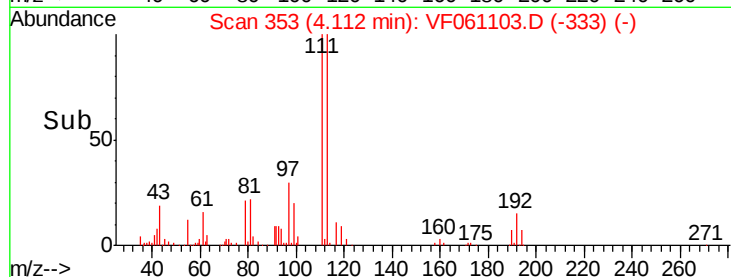
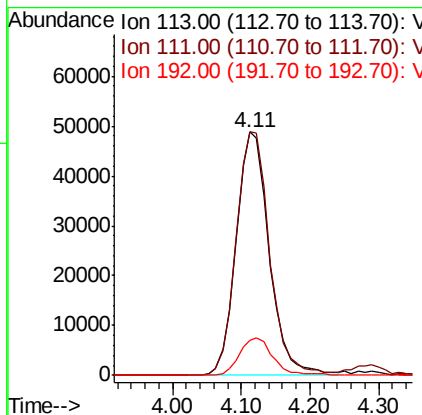
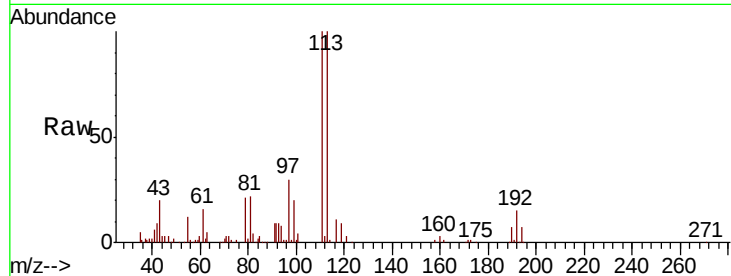
ClientSampleId :

VF1220SBS01

Tot Ion:	113	Resp:	162305
Ion Ratio	Lower	Upper	
113	100		
111	100.1	85.2	127.8
192	14.5	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 19.189 ug/l

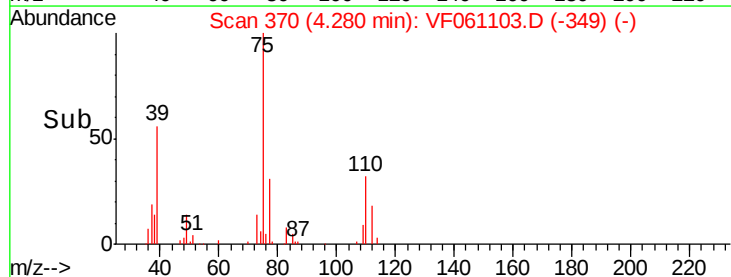
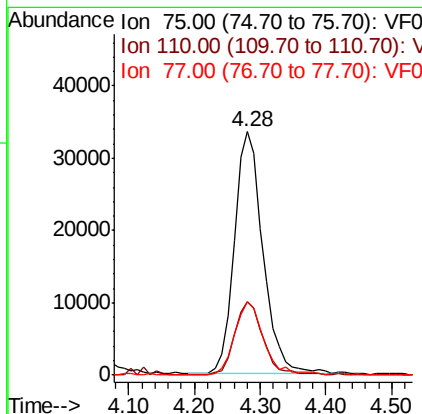
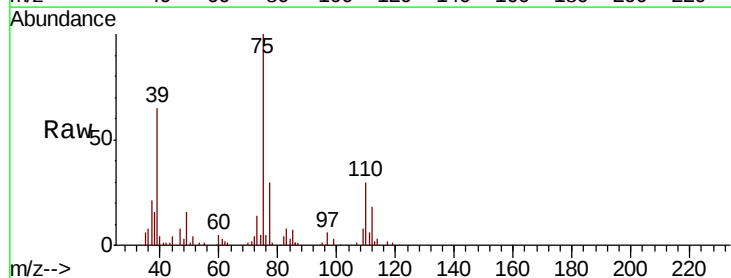
RT: 4.28 min Scan# 370

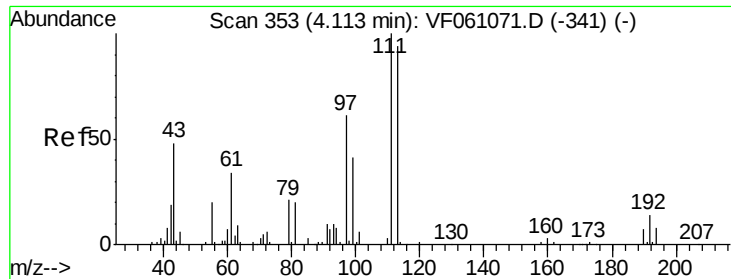
Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	75	Resp:	101583
Ion Ratio	Lower	Upper	
75	100		
110	30.4	16.1	48.2
77	30.1	24.5	36.7





#37

Ethyl Acetate

Concen: 17.363 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

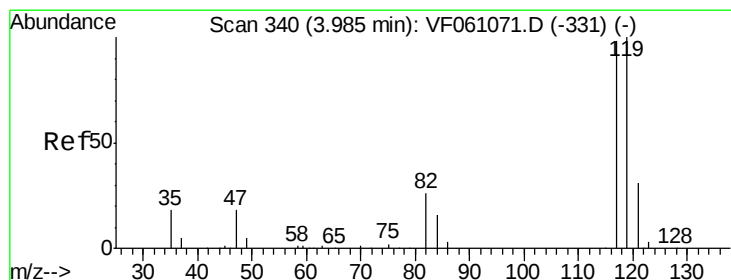
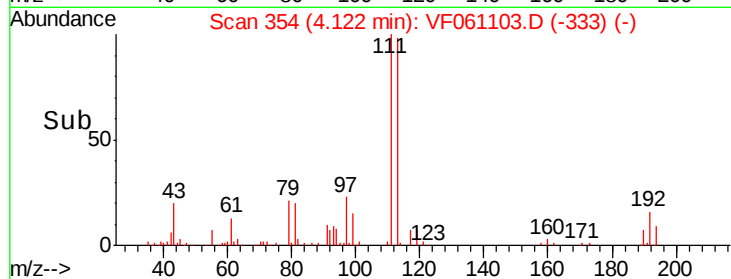
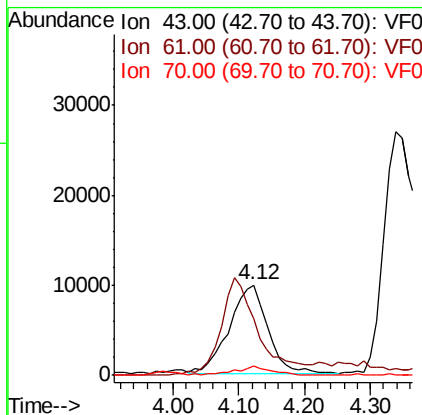
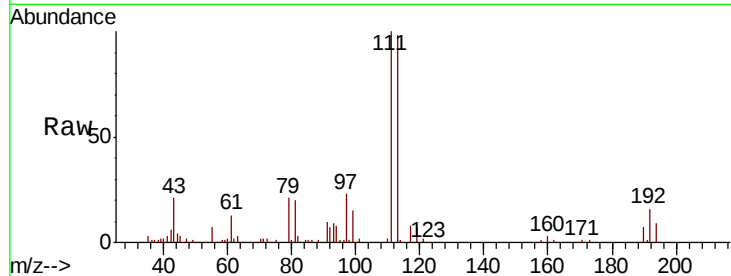
ClientSampleId :

VF1220SBS01

Tot Ion	43	Resp	40016
Ion Ratio	Lower	Upper	
43	100		
61	62.1	56.6	84.8
70	10.1	6.3	9.5#

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#38

Carbon Tetrachloride

Concen: 18.862 ug/l

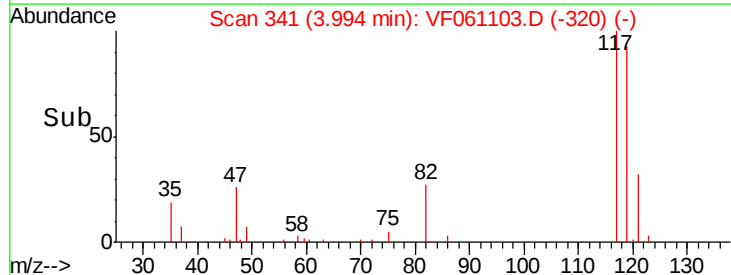
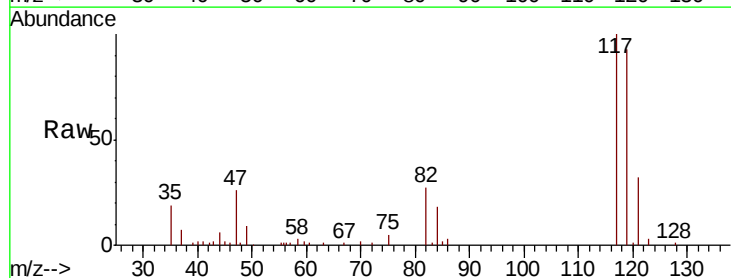
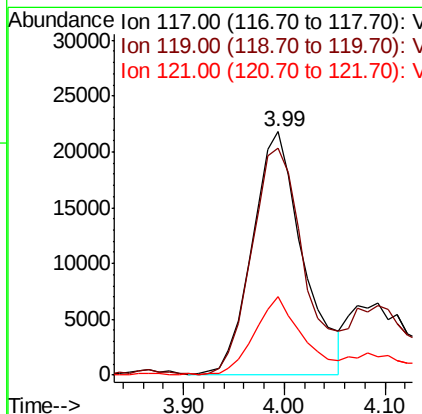
RT: 3.99 min Scan# 341

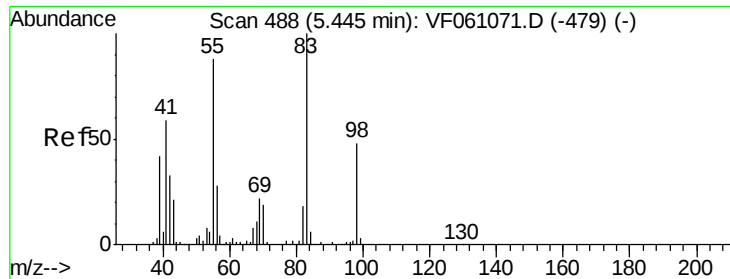
Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion	117	Resp	76042
Ion Ratio	Lower	Upper	
117	100		
119	93.4	82.1	123.1
121	32.5	25.5	38.3





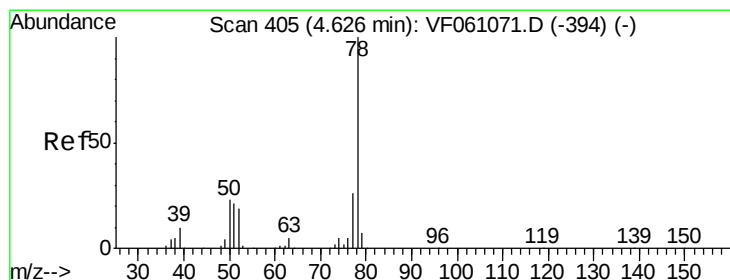
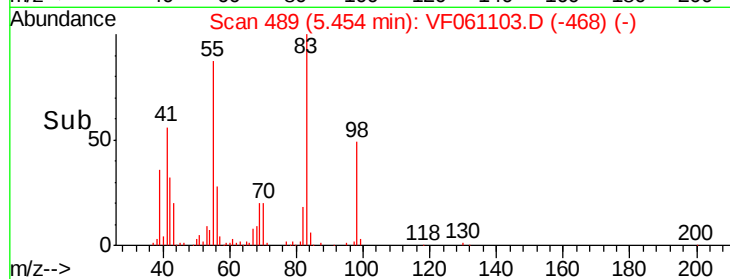
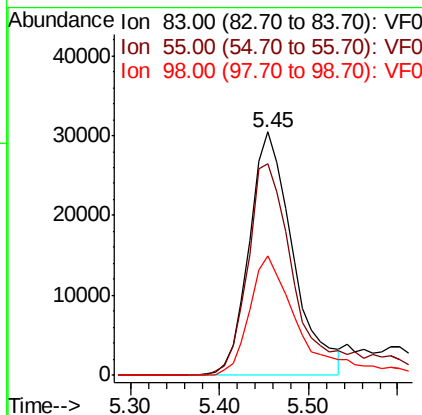
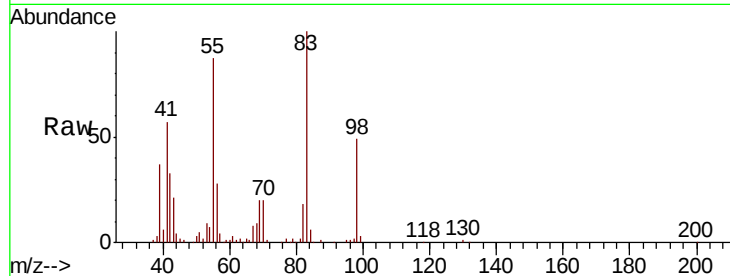
#39
Methvlcvclohexane
Concen: 21.861 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	83.00	Resp	103821
Ion	Ratio	Lower	Upper
83	100		
55	86.7	70.6	105.8
98	49.3	38.5	57.7

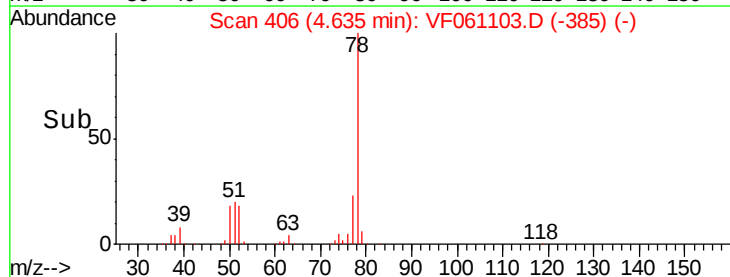
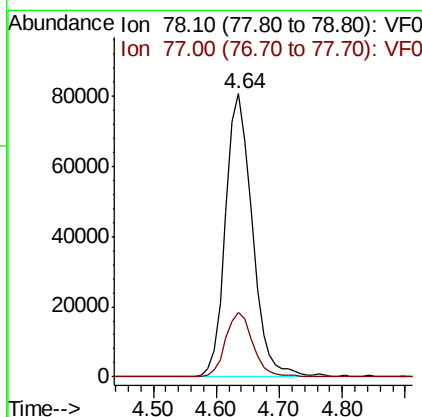
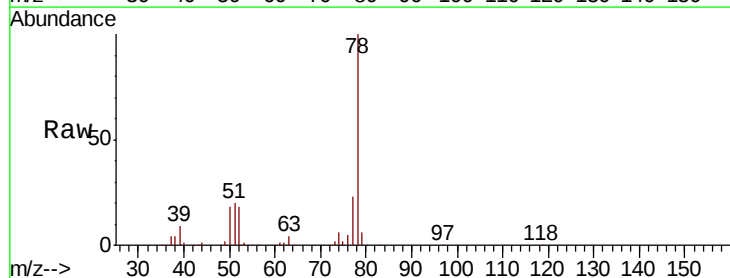
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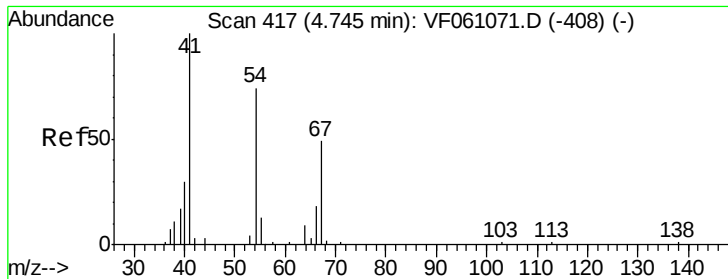
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#40
Benzene
Concen: 20.936 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	78	Resp	238337
Ion	Ratio	Lower	Upper
78	100		
77	22.7	20.7	31.1





#41

Methacrylonitrile

Concen: 19.871 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

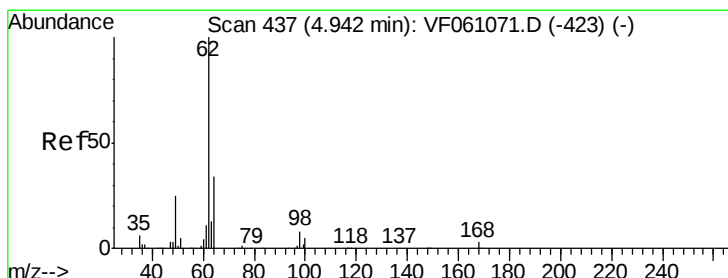
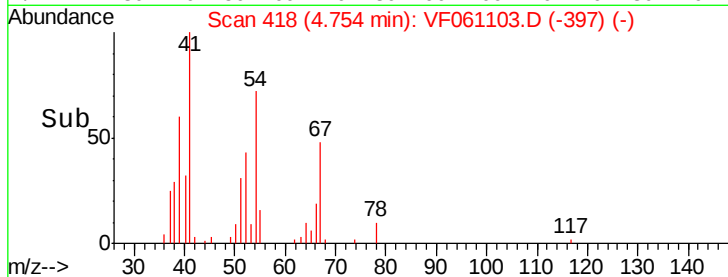
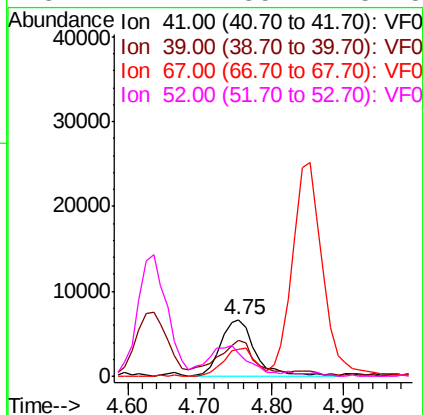
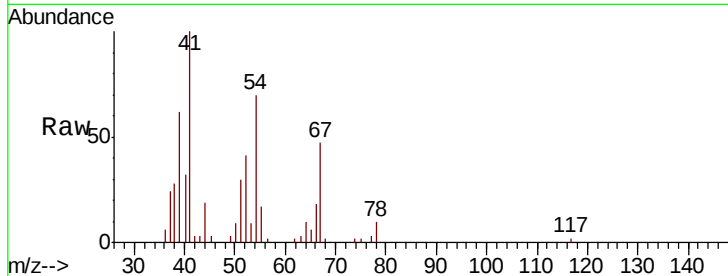
ClientSampleId :

VF1220SBS01

Tot Ion:	41	Resp:	22215
Ion Ratio	Lower	Upper	
41	100		
39	61.9	45.7	68.5
67	46.9	38.9	58.3
52	41.4	35.2	52.8

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#42

1,2-Dichloroethane

Concen: 17.333 ug/l

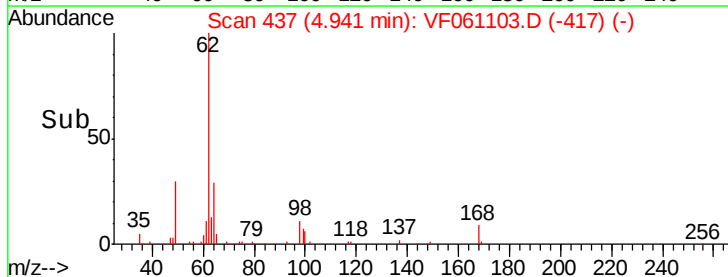
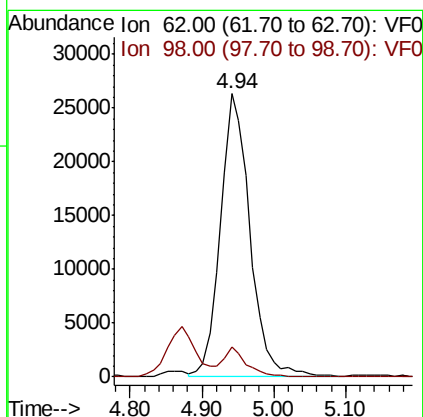
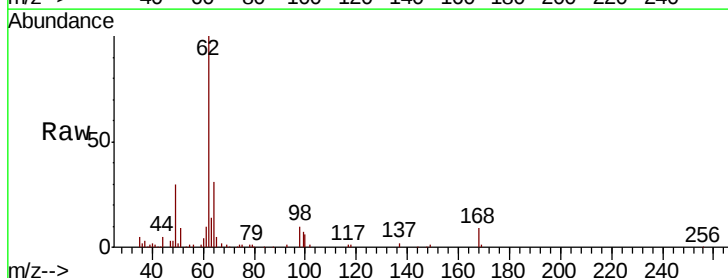
RT: 4.94 min Scan# 437

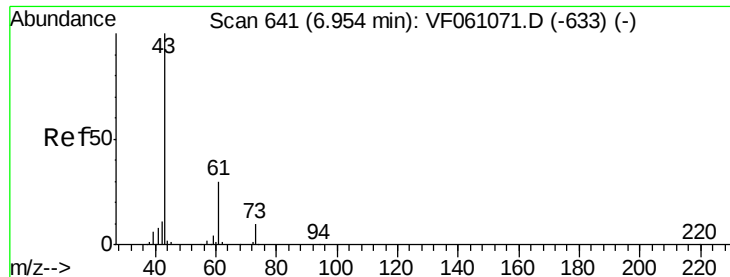
Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	62	Resp:	74960
Ion Ratio	Lower	Upper	
62	100		
98	10.5	0.0	16.6





#43

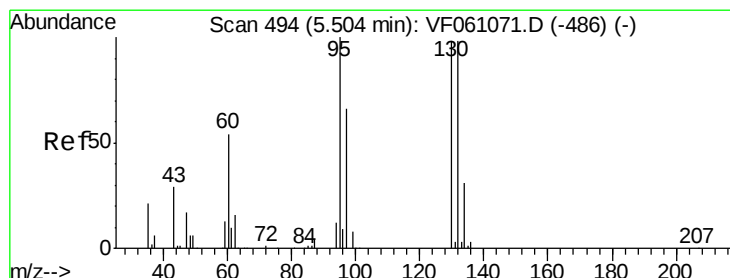
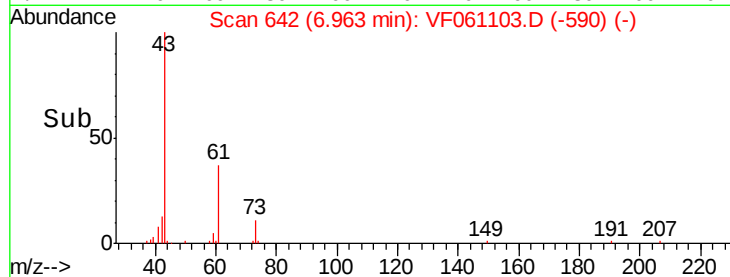
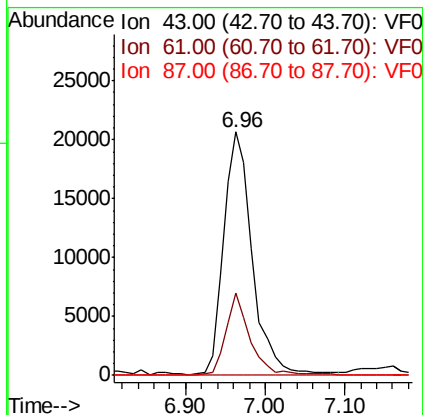
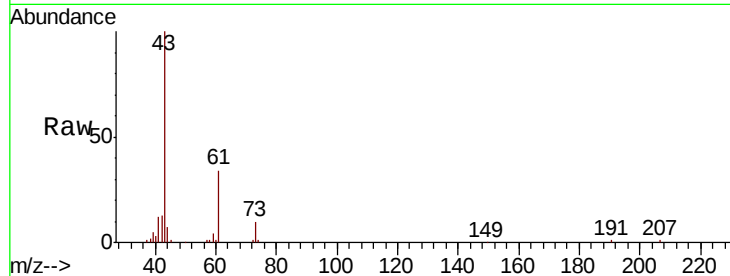
Isopropyl Acetate
 Concen: 20.580 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.0	23.8	35.8
87	0.0	0.0	0.0

Manual Integrations
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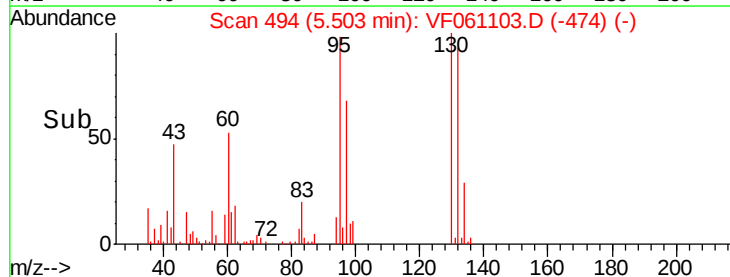
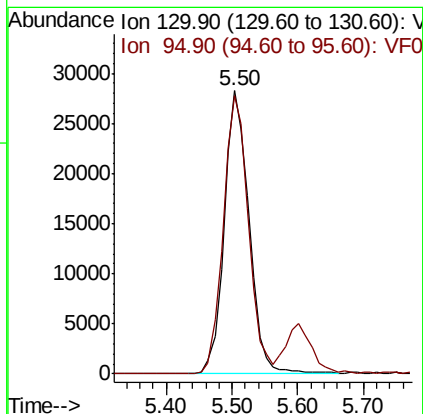
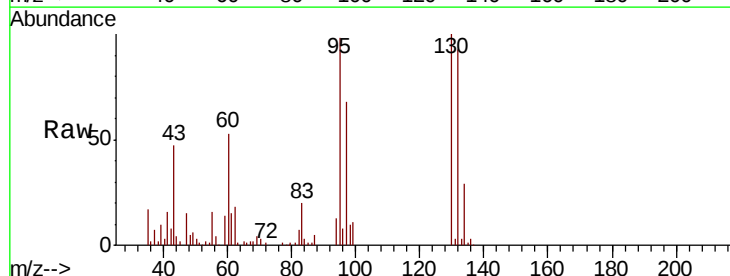
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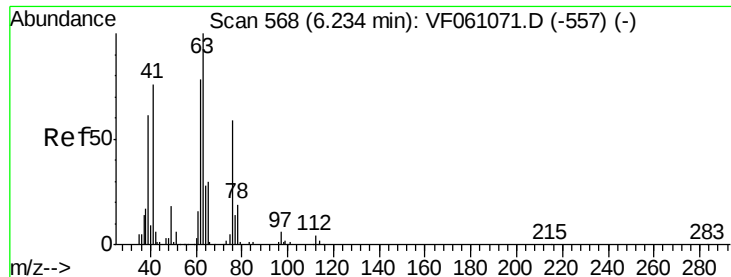


#44

Trichloroethene
 Concen: 20.853 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.2





#45

1,2-Dichloropropane

Concen: 20.209 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 63 Resp: 62593

Ion Ratio Lower Upper

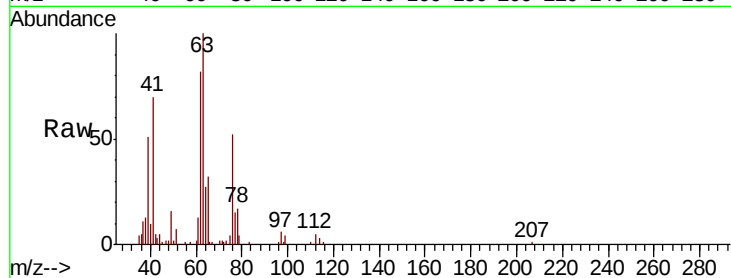
63 100

65 31.7 24.4 36.6

Manual Integrations
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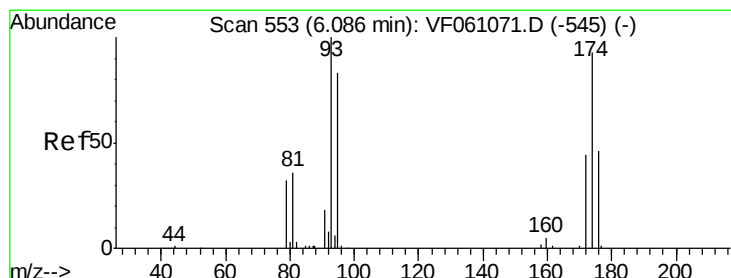
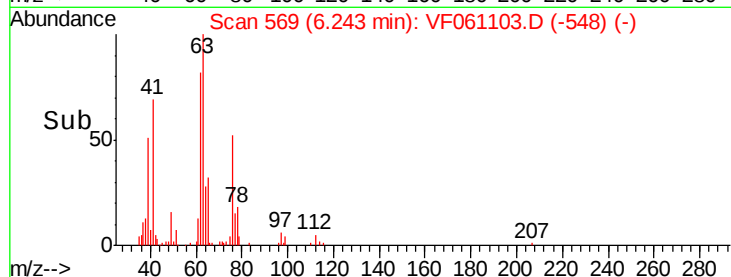
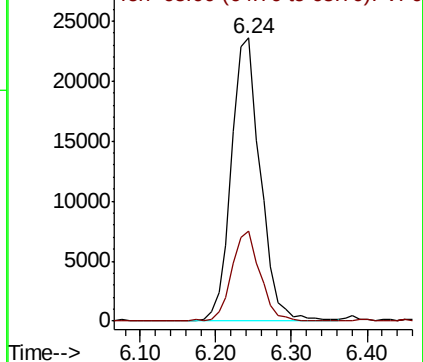
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 18.321 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

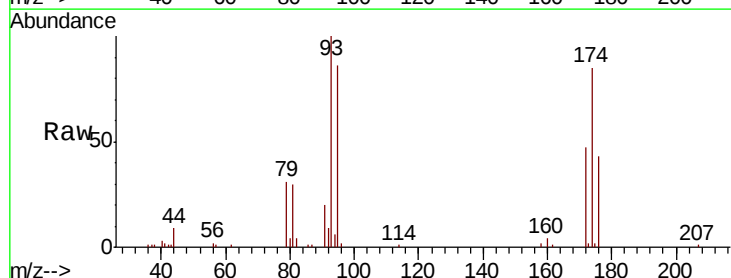
Tgt Ion: 93 Resp: 36804

Ion Ratio Lower Upper

93 100

95 86.0 66.9 100.3

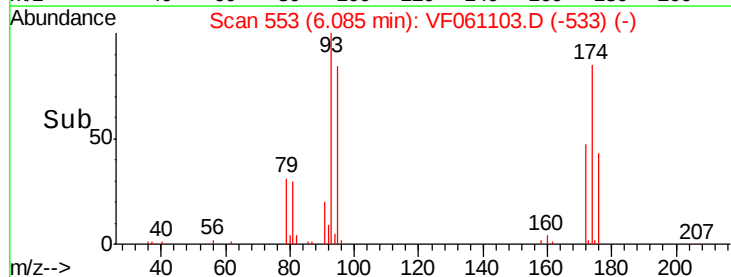
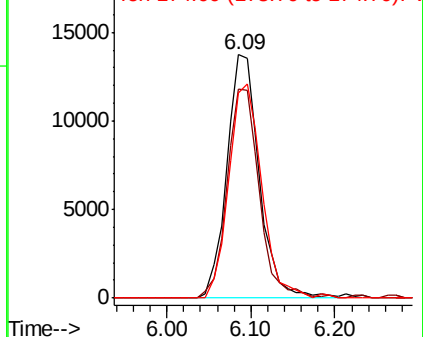
174 84.5 74.1 111.1

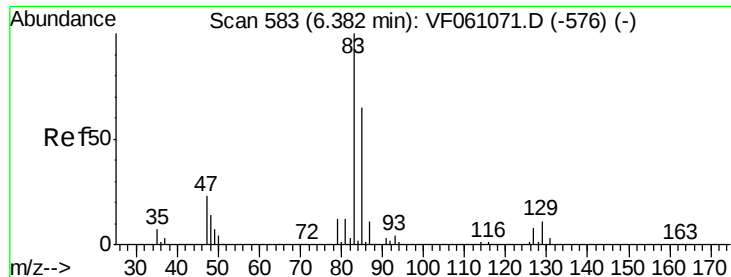


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 17.995 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

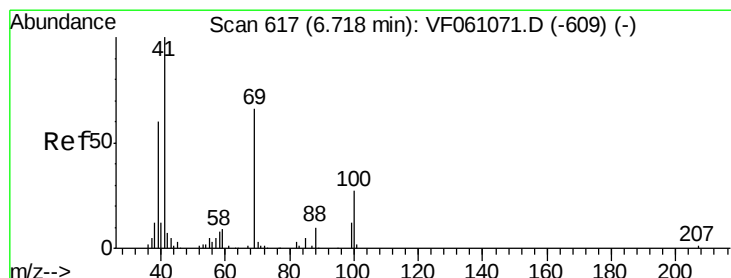
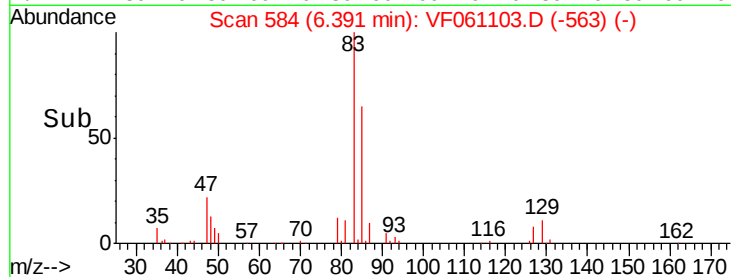
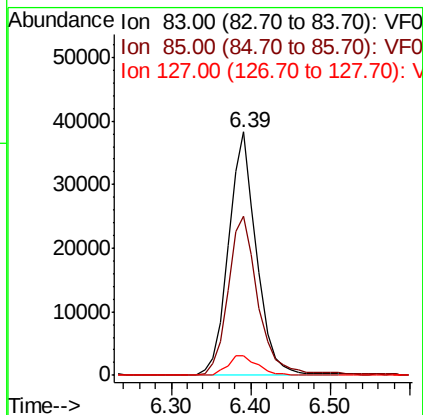
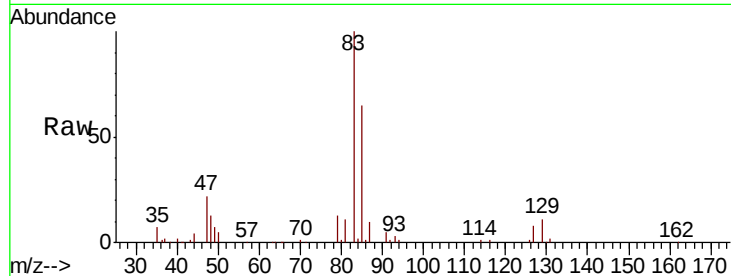
ClientSampleId :

VF1220SBS01

Tot Ion:	83	Resp:	93927
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	8.3	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.078 ug/l

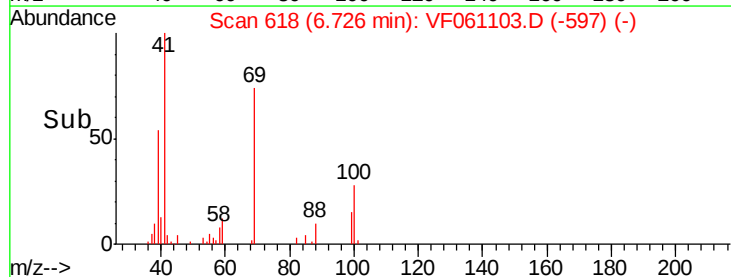
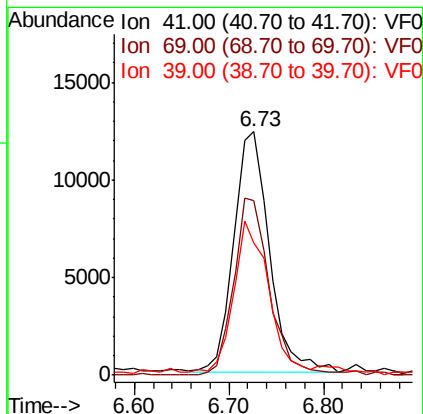
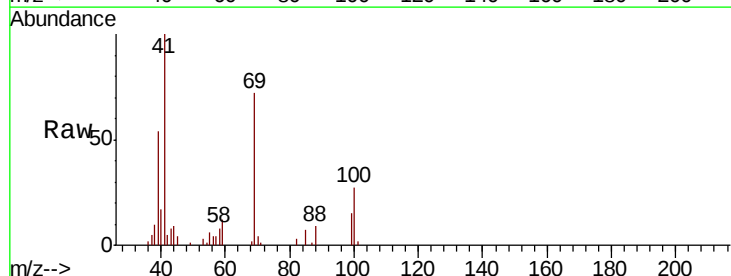
RT: 6.73 min Scan# 618

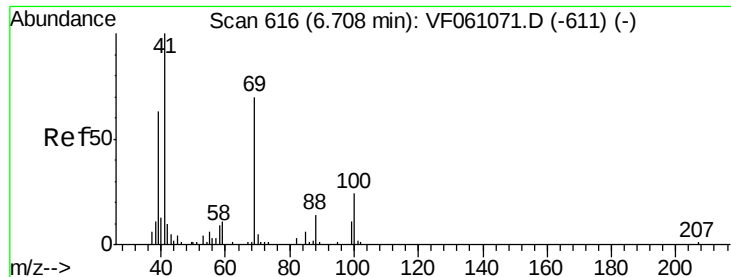
Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	41	Resp:	32259
Ion	Ratio	Lower	Upper
41	100		
69	71.7	52.7	79.1
39	54.5	47.8	71.6





#49

1,4-Dioxane

Concen: 344.000 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

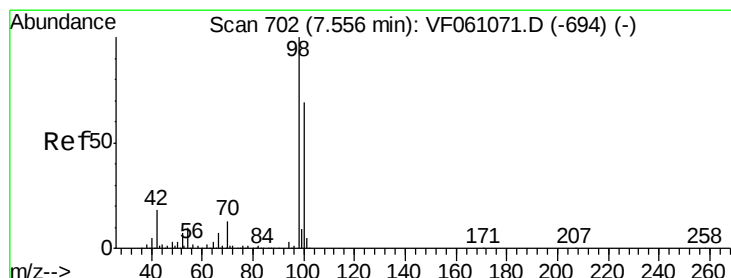
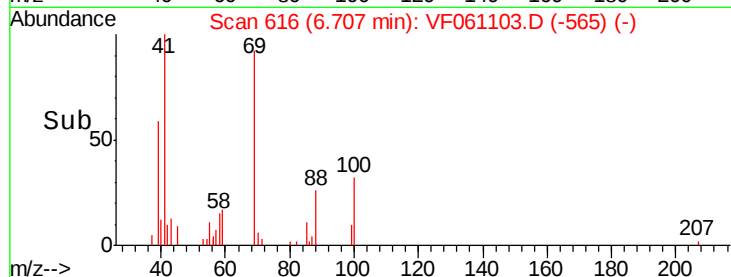
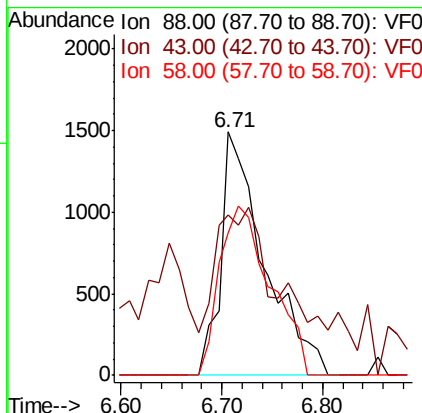
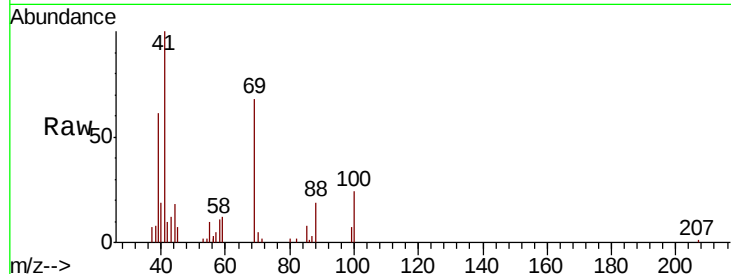
ClientSampleId :

VF1220SBS01

Tot Ion:	88	Resp:	4454
Ion	Ratio	Lower	Upper
88	100		
43	65.8	33.3	49.9#
58	58.6	53.2	79.8

Manual Integrations
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#50

Toluene-d8

Concen: 47.272 ug/l

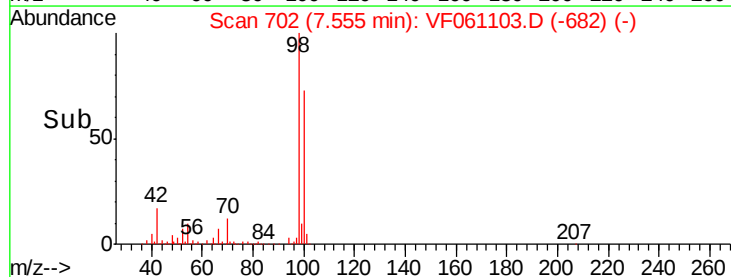
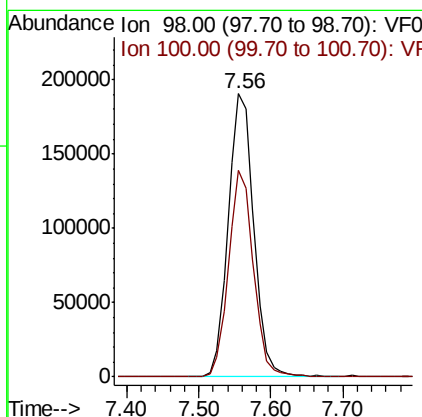
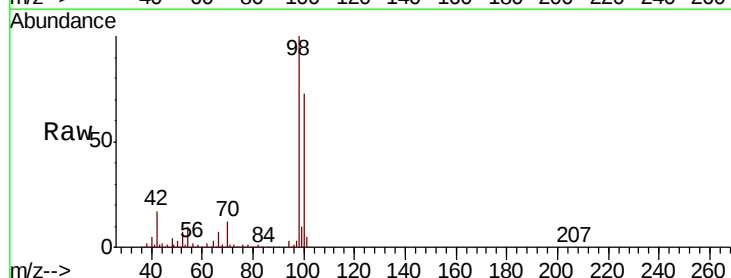
RT: 7.56 min Scan# 702

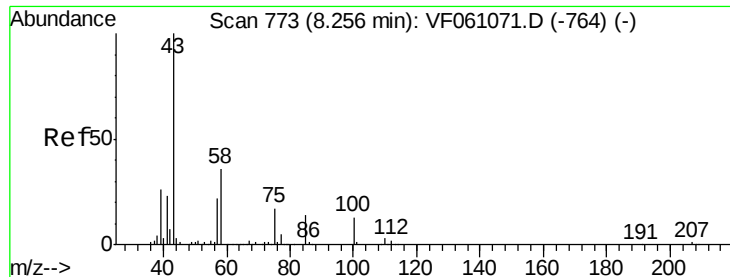
Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	98	Resp:	470625
Ion	Ratio	Lower	Upper
98	100		
100	72.9	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 94.477 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 43 Resp: 165619

Ion Ratio Lower Upper

43 100

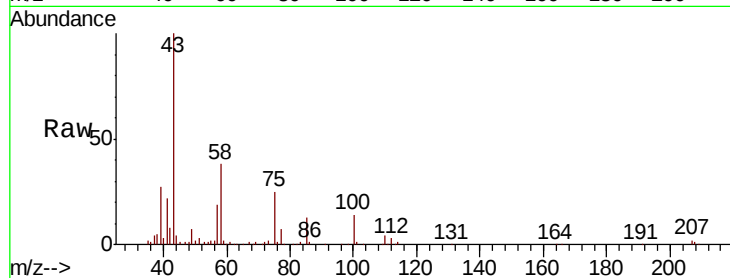
58 38.5 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

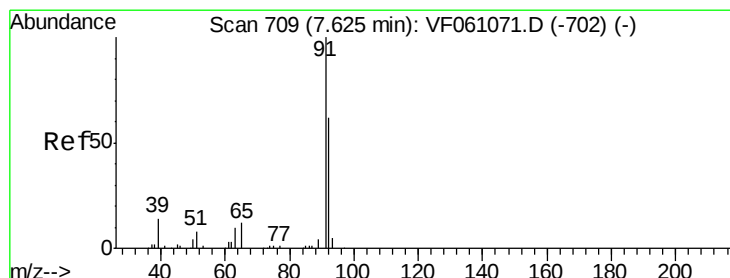
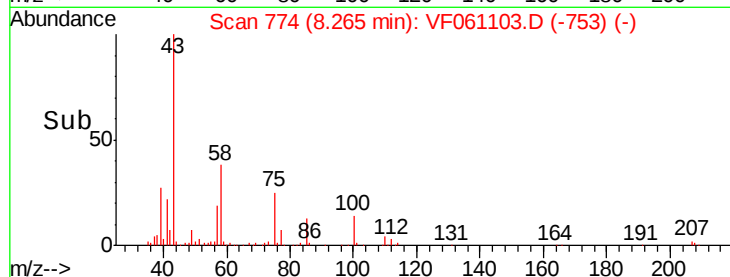
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 20.098 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061103.D

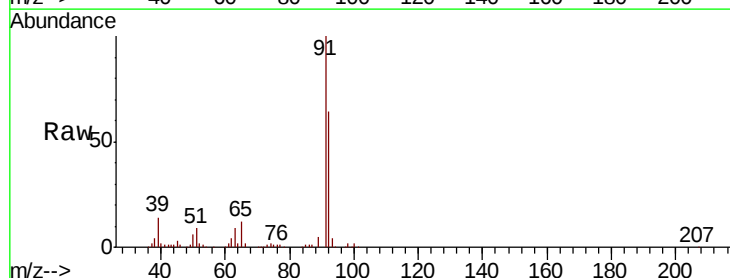
Acq: 20 Dec 2018 12:52

Tgt Ion: 92 Resp: 151455

Ion Ratio Lower Upper

92 100

91 155.6 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

120000

100000

80000

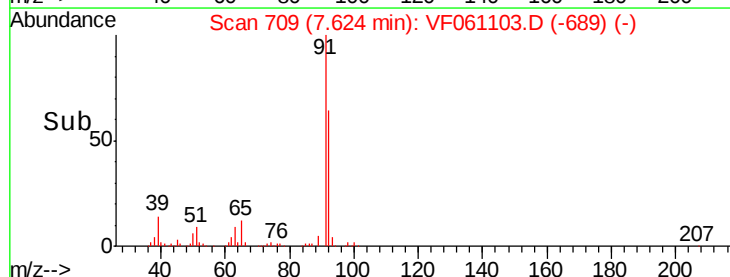
60000

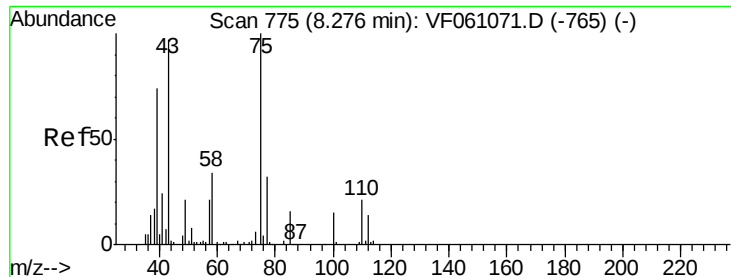
40000

20000

0

Time--> 7.50 7.60 7.70





#53

t-1,3-Dichloropropene

Concen: 18.507 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 75 Resp: 77926

Ion Ratio Lower Upper

75 100

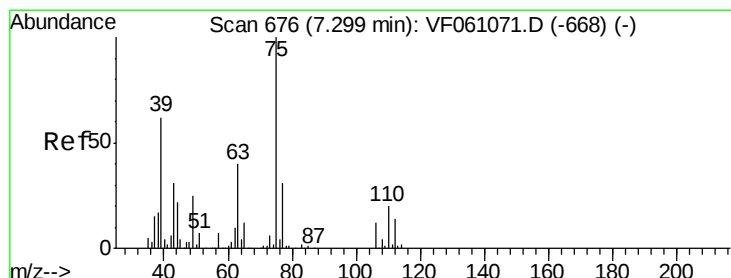
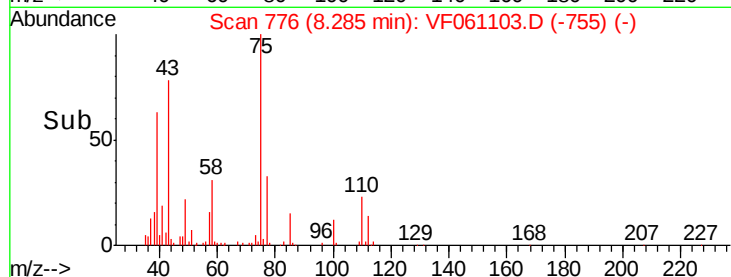
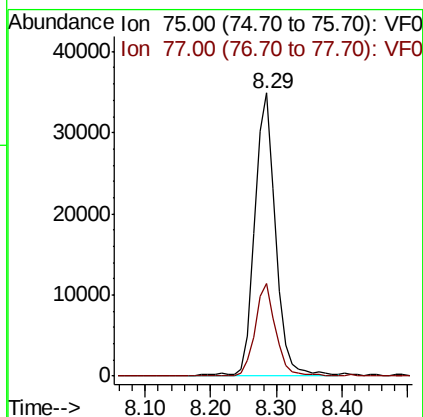
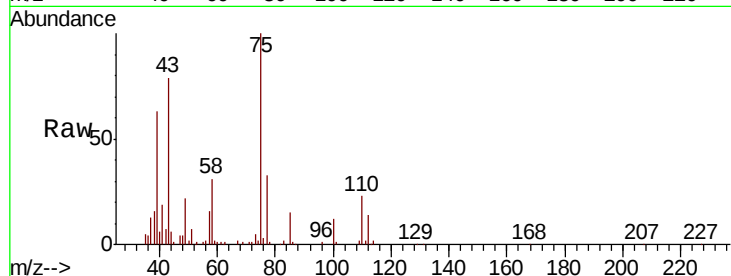
77 32.5 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 19.168 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

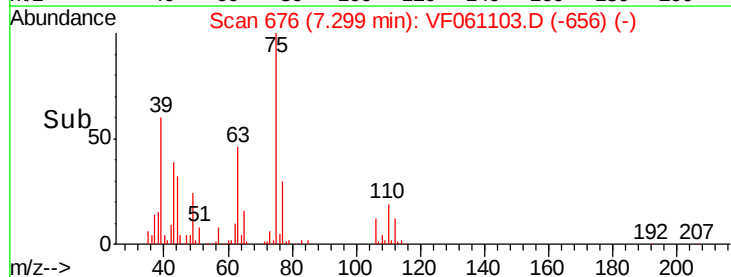
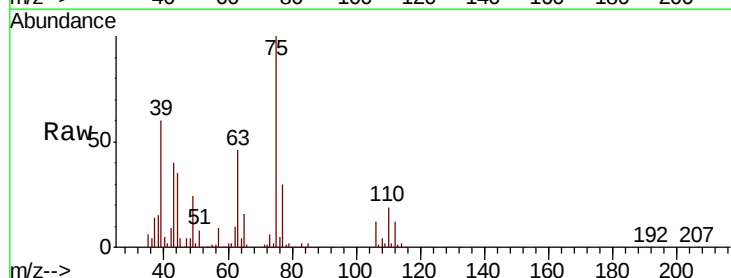
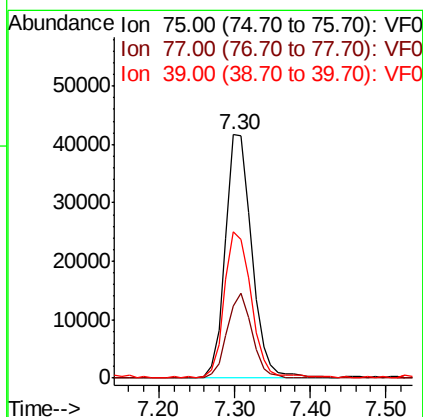
Tgt Ion: 75 Resp: 101294

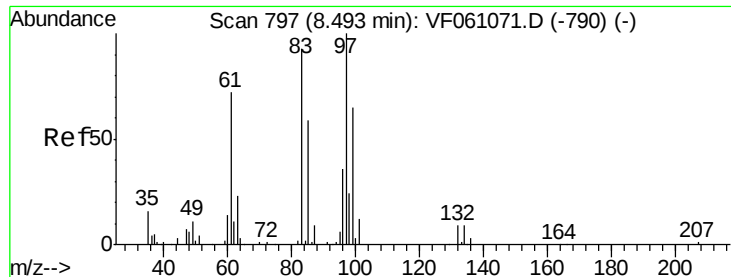
Ion Ratio Lower Upper

75 100

77 29.8 25.0 37.4

39 60.0 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 18.953 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

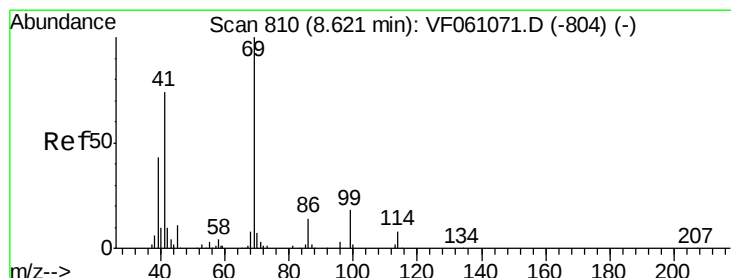
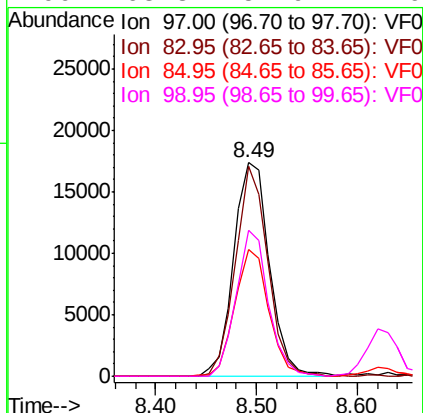
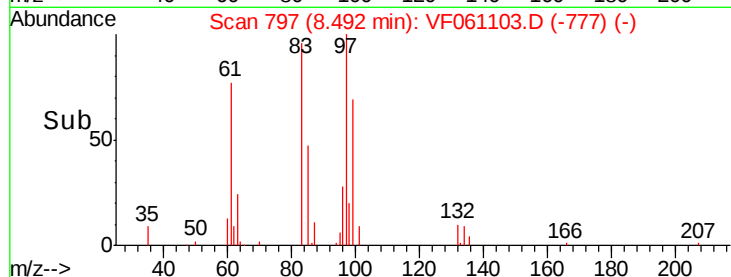
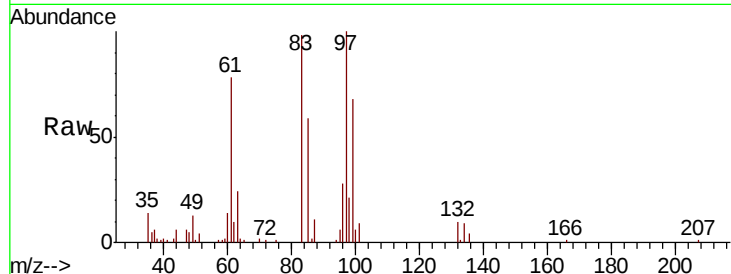
ClientSampleId :

VF1220SBS01

Tot Ion:	97	Resp:	42817
Ion	Ratio	Lower	Upper
97	100		
83	98.5	75.0	112.4
85	59.2	47.5	71.3
99	68.3	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.950 ug/l

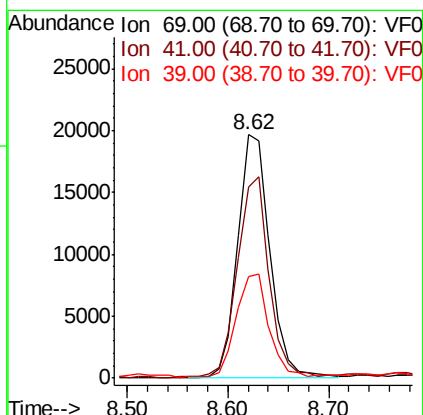
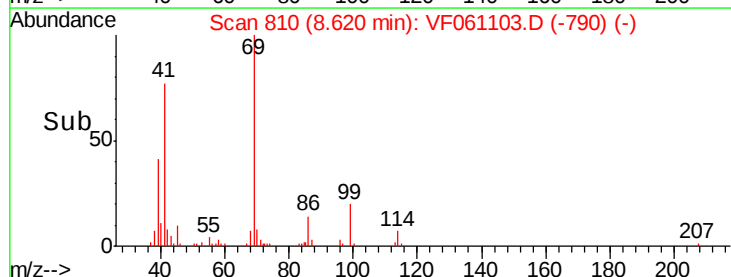
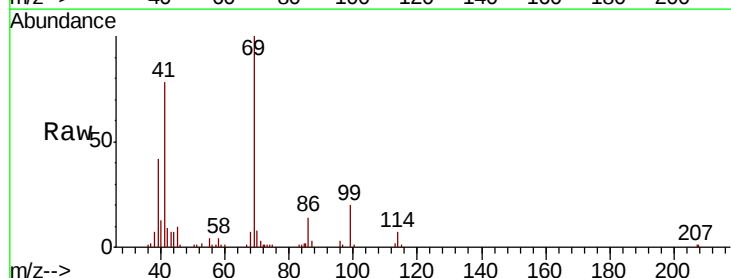
RT: 8.62 min Scan# 810

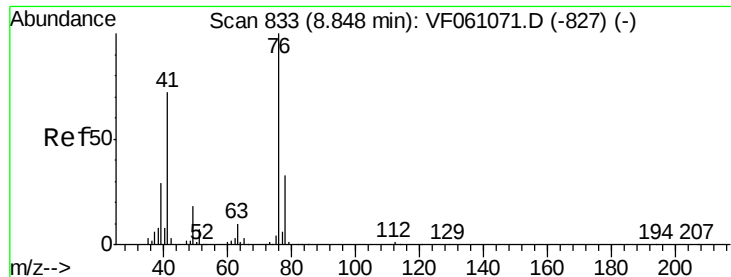
Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	69	Resp:	43880
Ion	Ratio	Lower	Upper
69	100		
41	78.4	59.7	89.5
39	41.9	35.0	52.6





#57

1,3-Dichloropropane

Concen: 19.831 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 76 Resp: 81028

Ion Ratio Lower Upper

76 100

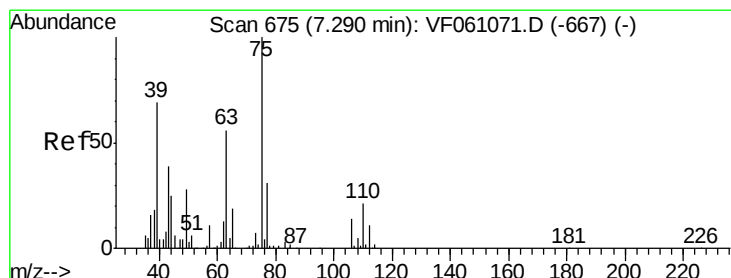
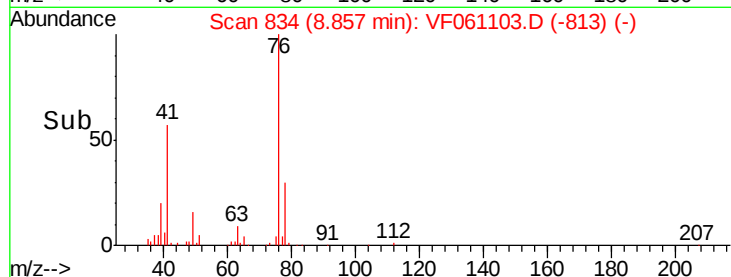
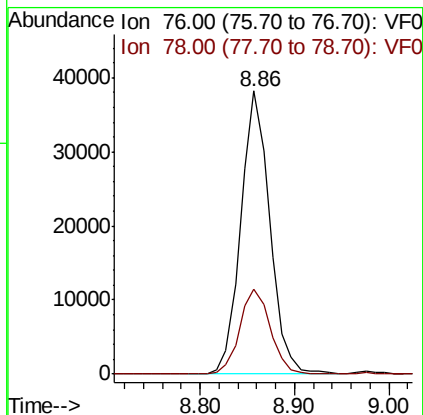
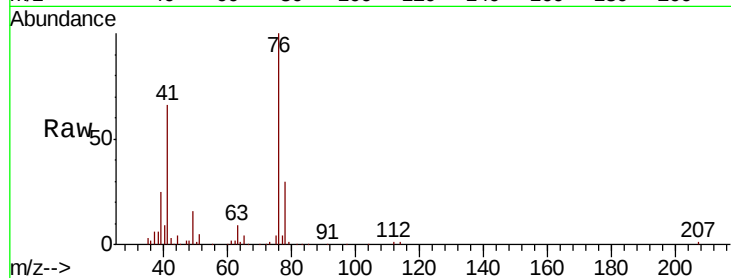
78 30.2 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.403 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061103.D

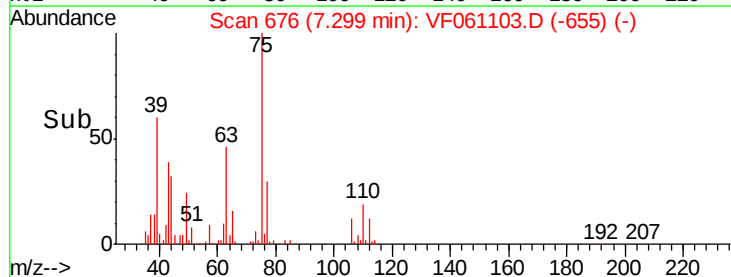
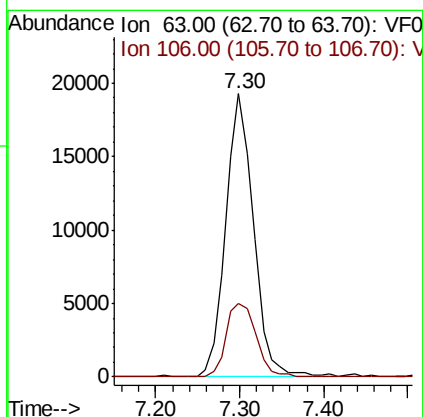
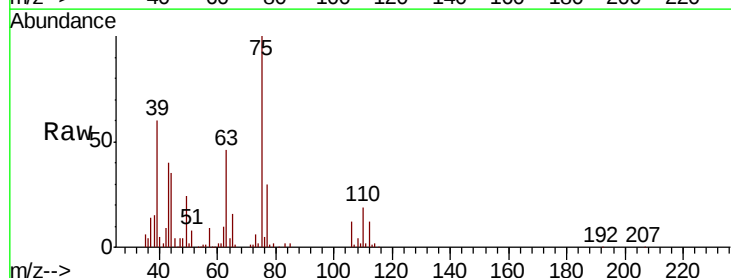
Acq: 20 Dec 2018 12:52

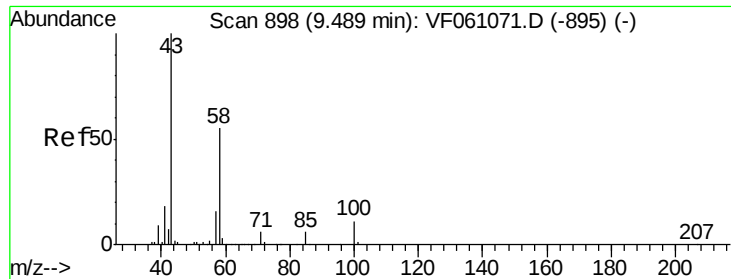
Tgt Ion: 63 Resp: 44321

Ion Ratio Lower Upper

63 100

106 25.9 19.8 29.8





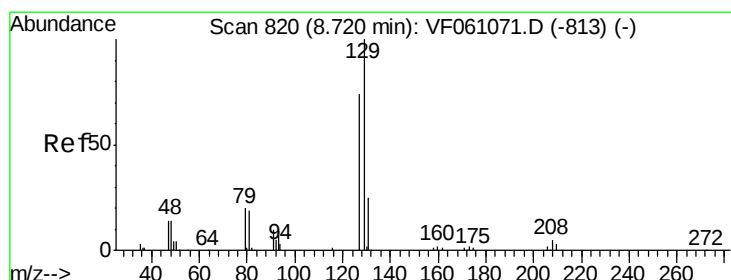
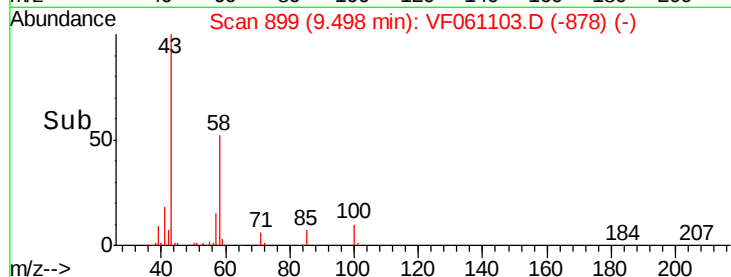
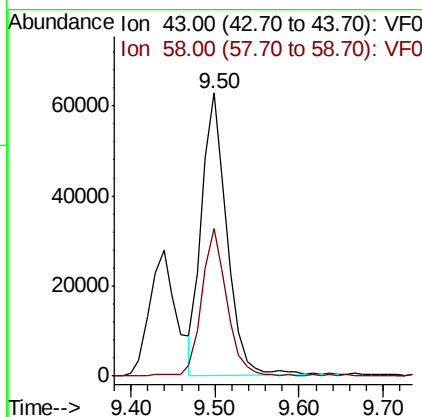
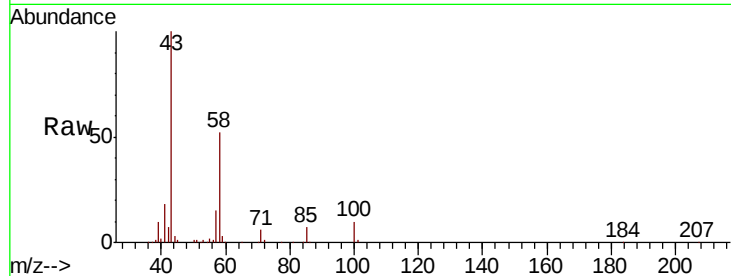
#59
2-Hexanone
Concen: 102.064 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	43	Resp	129391
Ion Ratio	43	100	
Lower	58	52.1	25.1
Upper			75.2

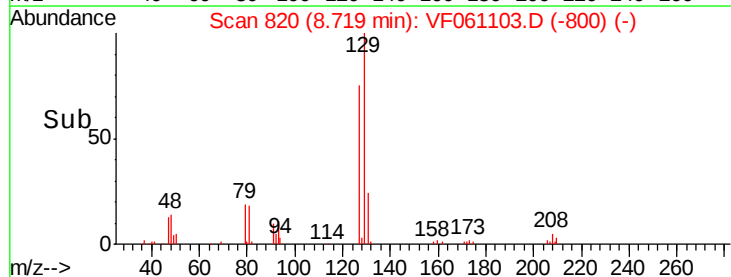
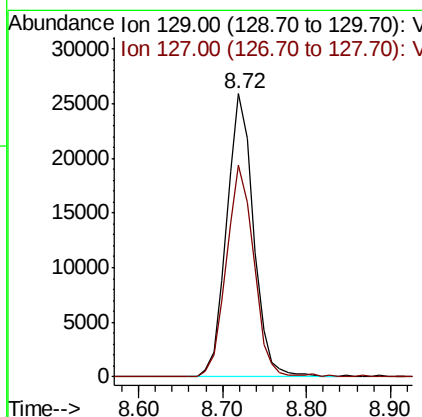
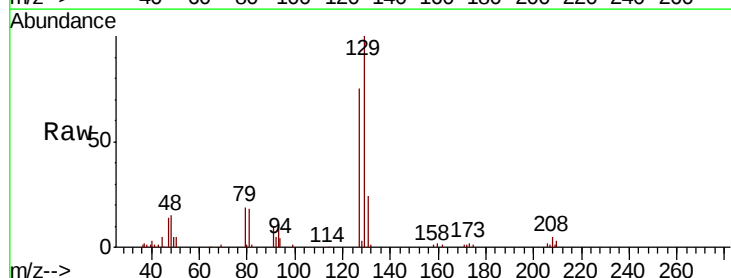
Manual Integrations
APPROVED

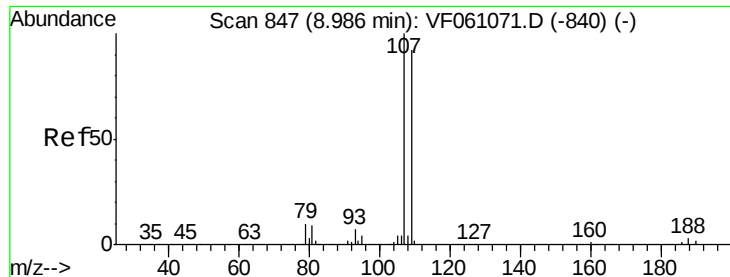
apatel
12/21/2018 12:23:02 PM



#60
Dibromochloromethane
Concen: 17.790 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	129	Resp	57610
Ion Ratio	129	100	
Lower	127	74.7	36.8
Upper			110.3





#61

1,2-Dibromoethane

Concen: 19.405 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 107 Resp: 46819

Ion Ratio Lower Upper

107 100

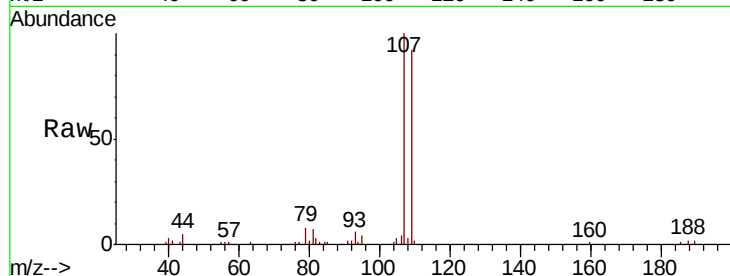
109 92.1 73.7 110.5

Manual Integrations

APPROVED

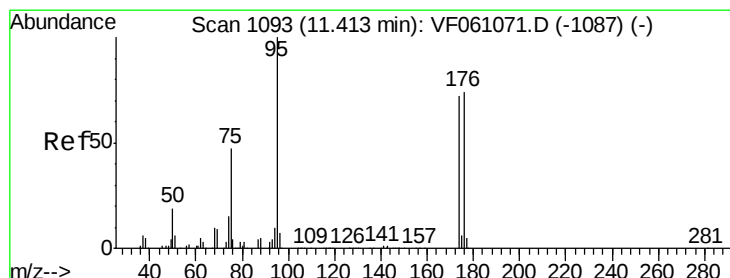
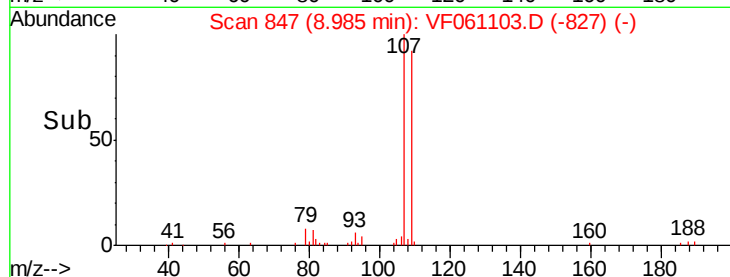
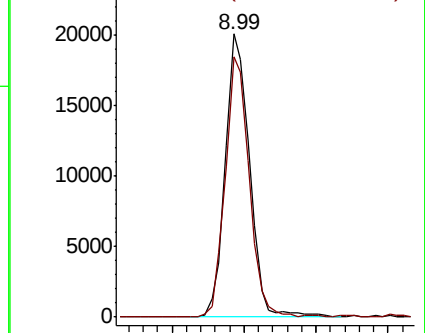
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.471 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

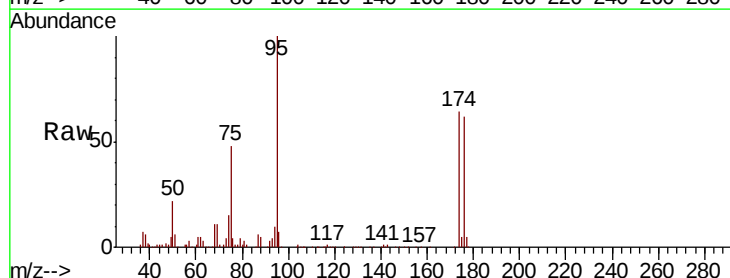
Tgt Ion: 95 Resp: 208701

Ion Ratio Lower Upper

95 100

174 64.3 0.0 143.8

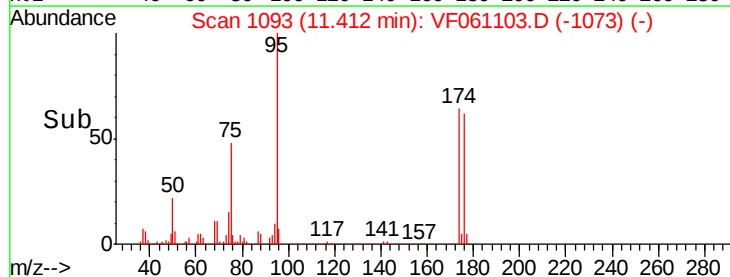
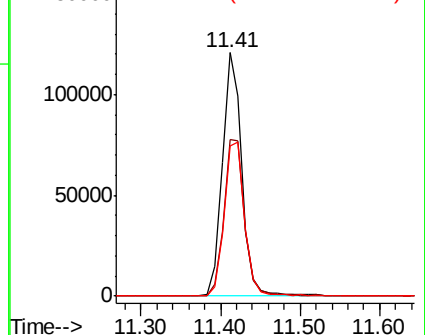
176 61.5 0.0 147.6

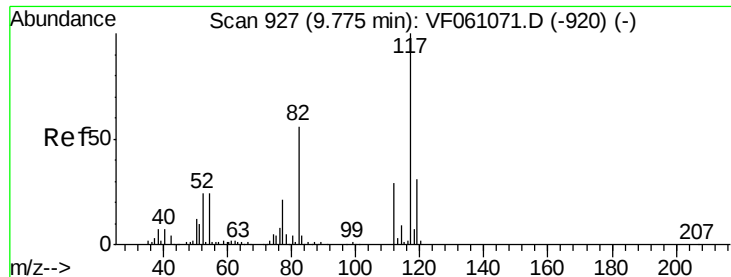


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





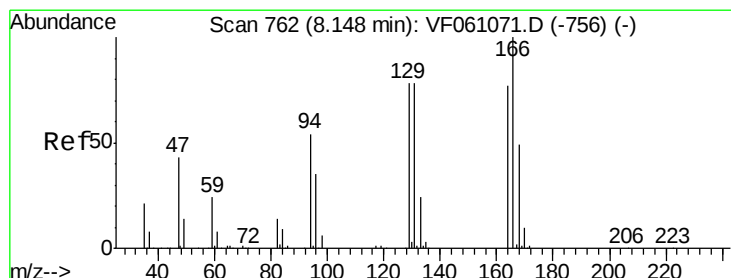
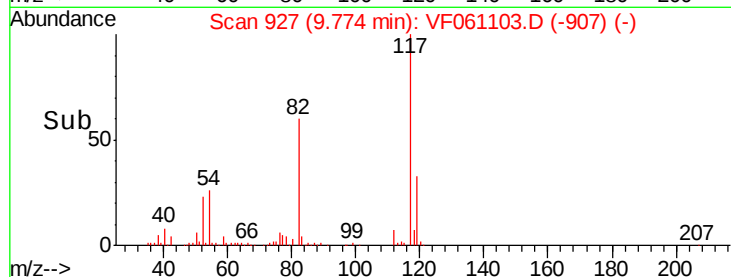
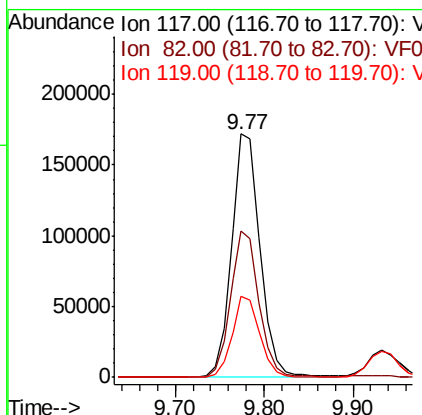
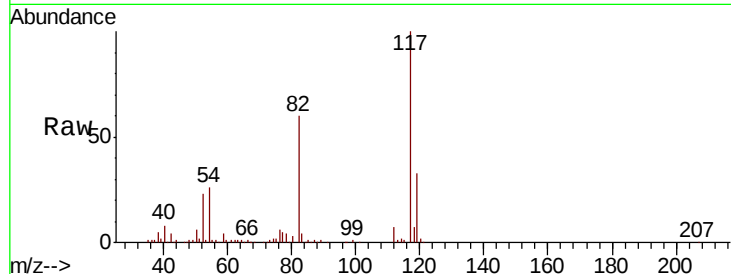
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	60.2	45.0	67.4	
119	33.2	24.8	37.2	

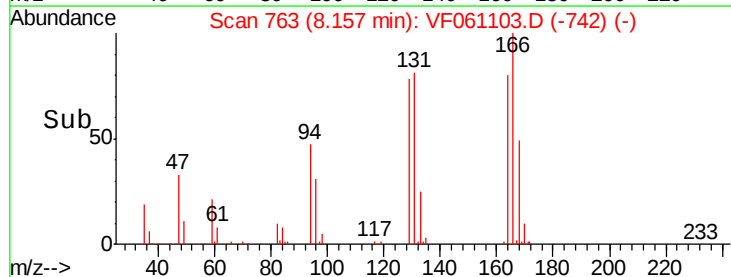
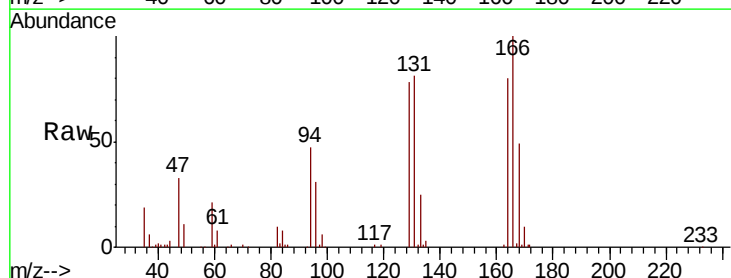
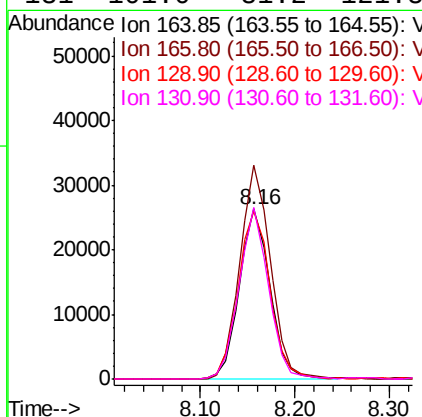
Manual Integrations
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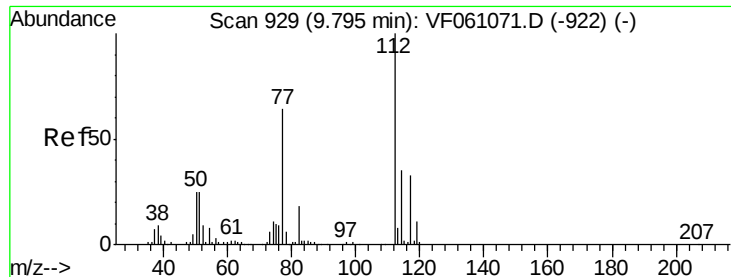
apatel
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#64
Tetrachloroethene
Concen: 19.957 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.5	104.0	156.0	
129	98.2	81.1	121.7	
131	101.0	81.2	121.8	





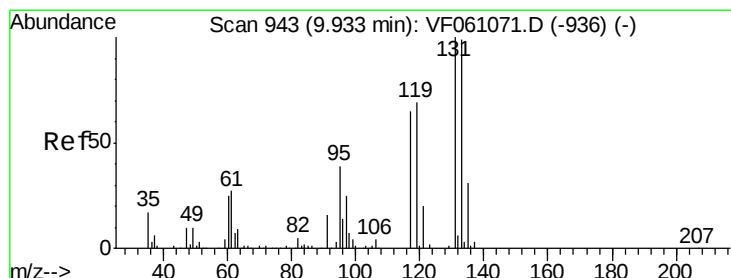
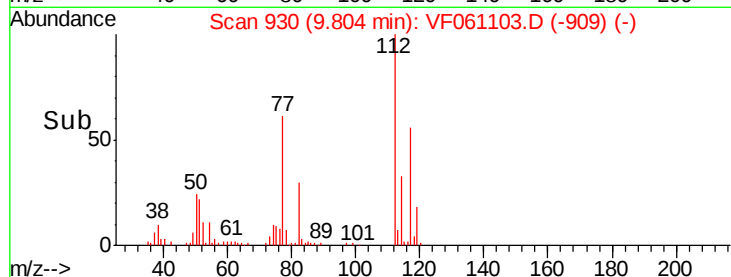
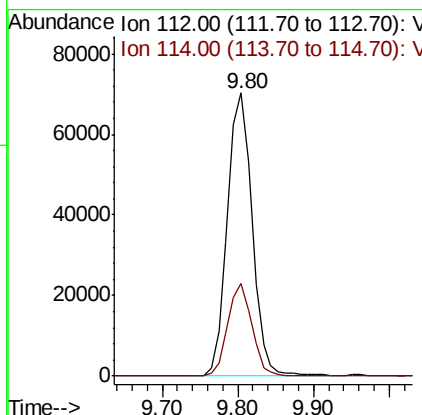
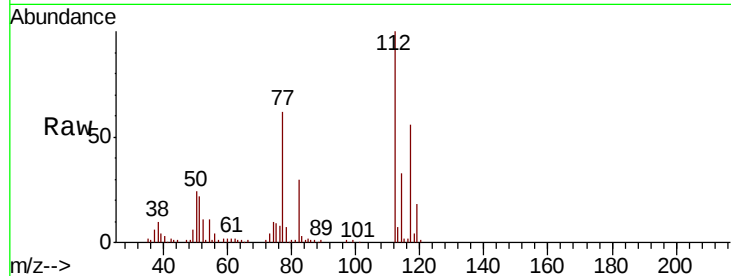
#65
Chlorobenzene
Concen: 20.123 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	160217		
114	32.5	27.8	41.6	

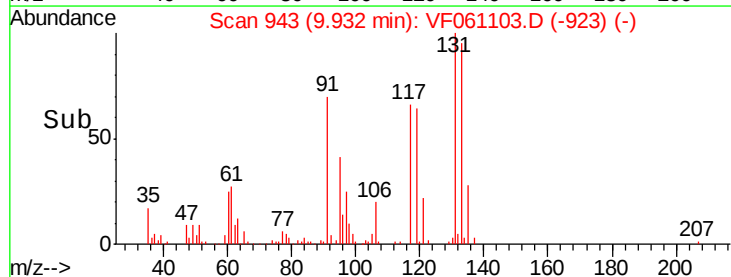
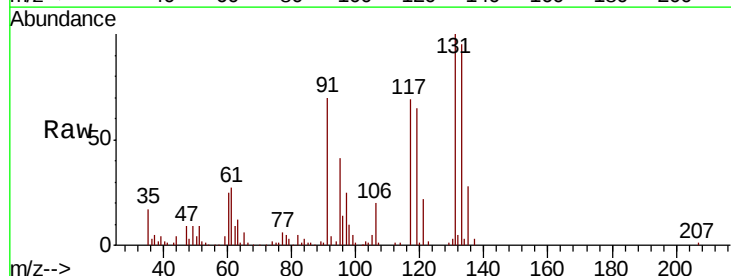
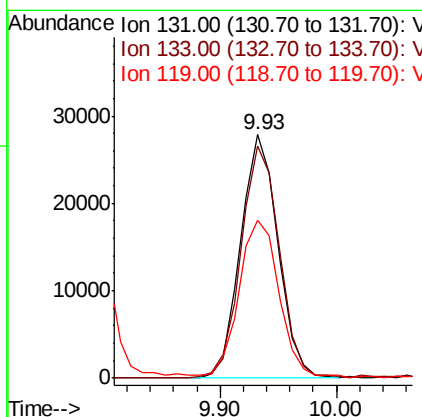
Manual Integrations
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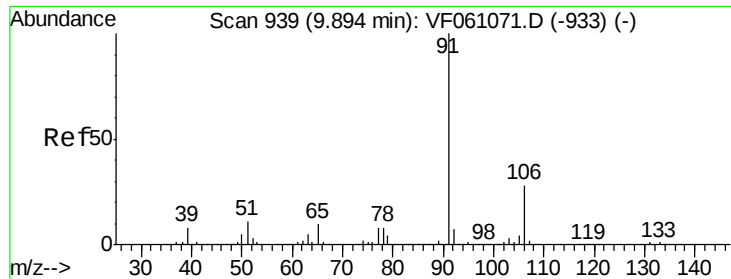
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.051 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	61986		
133	95.3	49.5	148.7	
119	64.9	34.5	103.5	





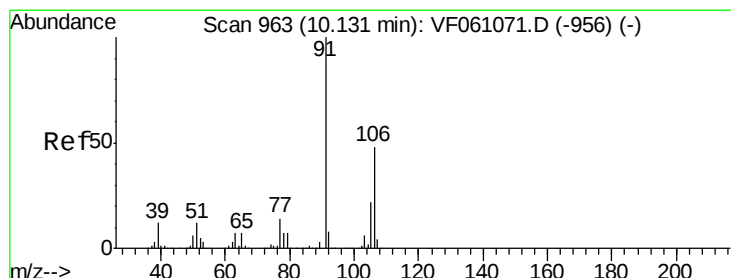
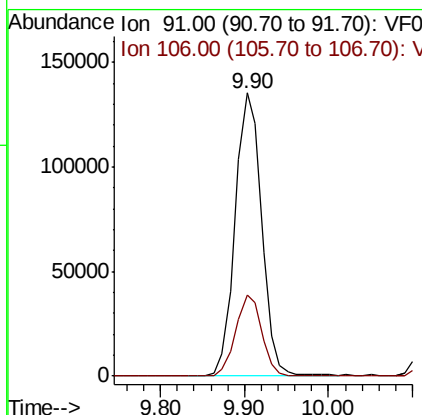
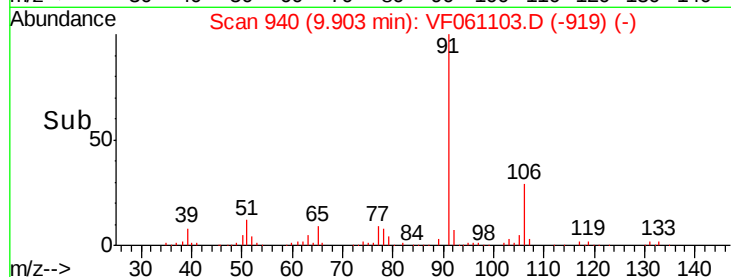
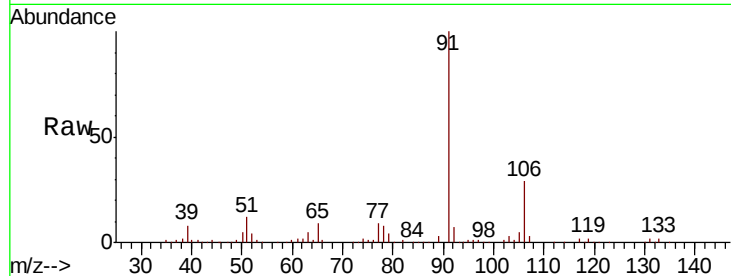
#67
Ethyl Benzene
Concen: 20.490 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion: 91 Resp: 297201
Ion Ratio Lower Upper
91 100
106 28.5 22.5 33.7

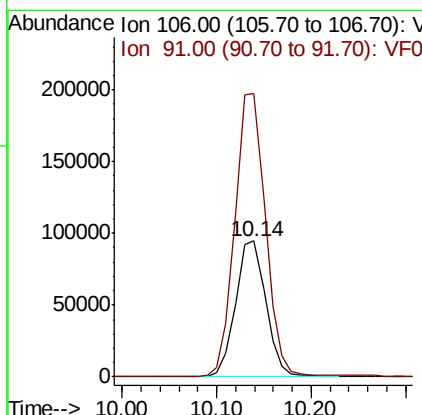
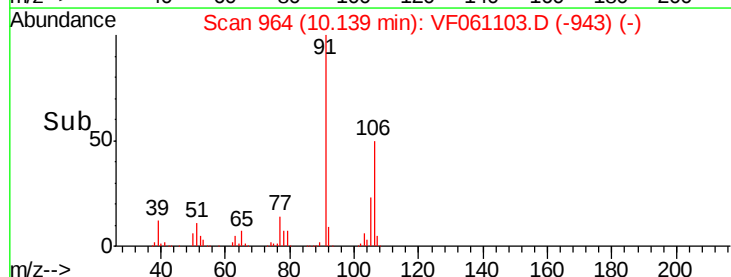
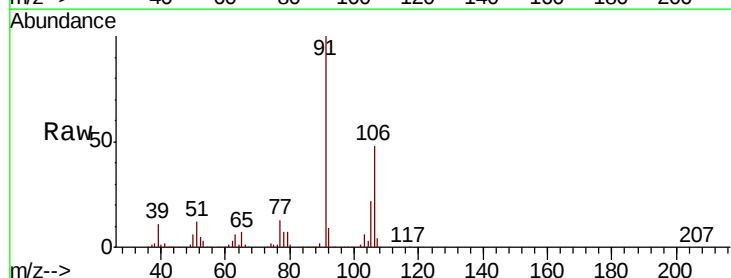
Manual Integrations
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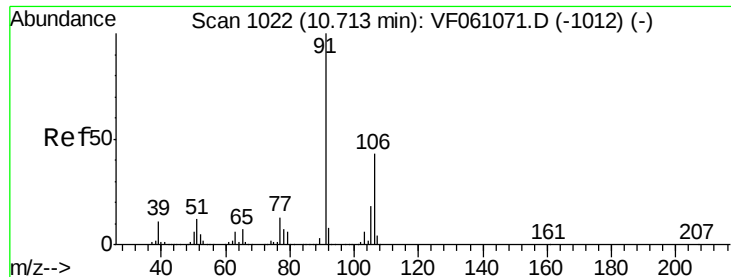
apatel
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#68
m/p-Xylenes
Concen: 41.247 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion: 106 Resp: 210550
Ion Ratio Lower Upper
106 100
91 208.7 168.2 252.2





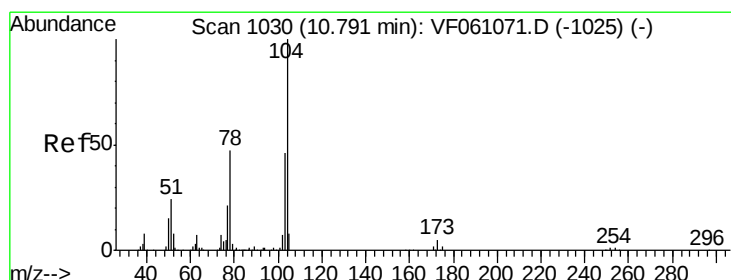
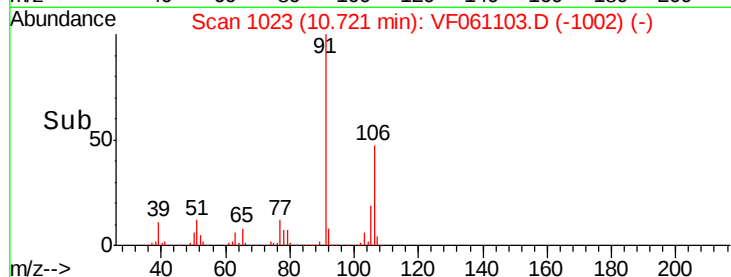
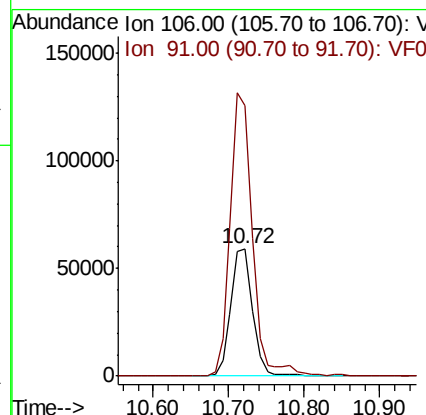
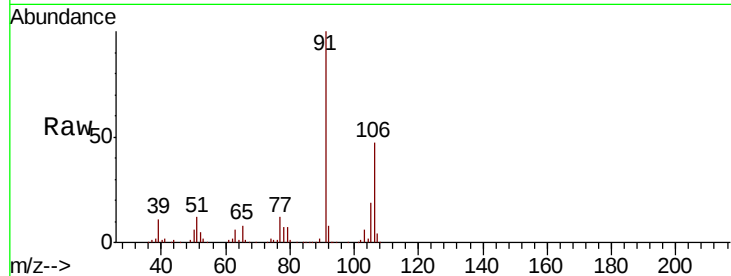
#69
o-Xylene
Concen: 20.917 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleID :
VF1220SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.2	115.9	347.7		

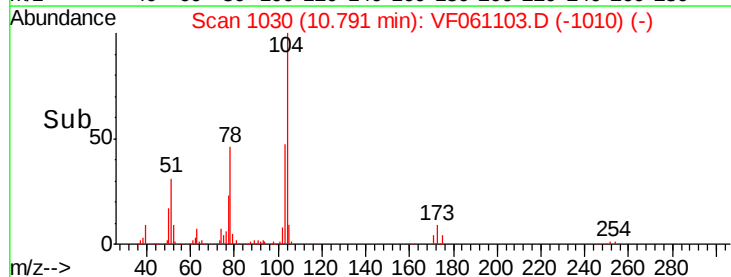
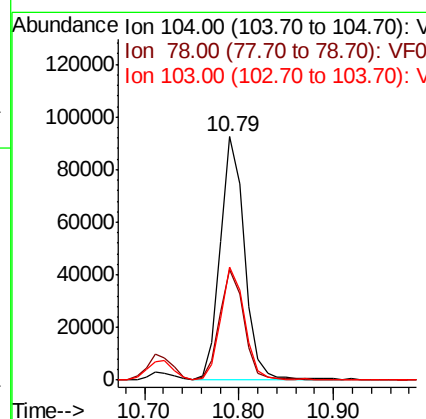
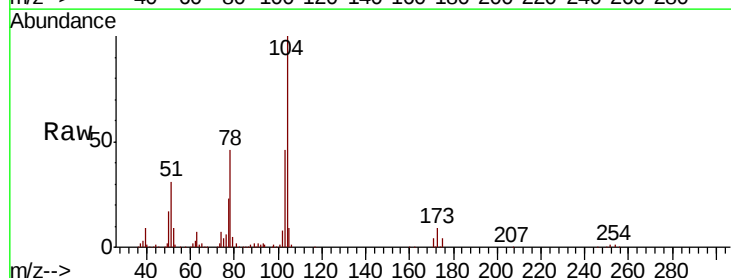
Manual Integrations
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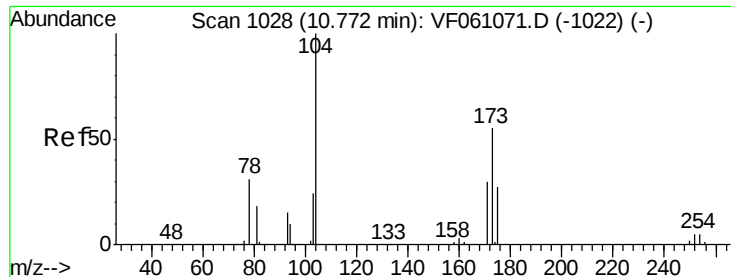
apatel
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#70
Styrene
Concen: 20.958 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.5	38.4	57.6		
103	46.5	37.0	55.6		





#71

Bromoform

Concen: 18.612 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

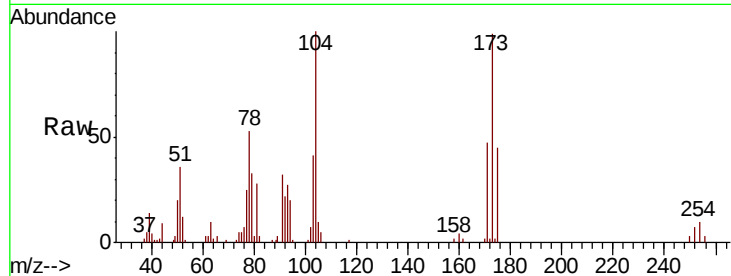
ClientSampleId :

VF1220SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.1	24.8	74.4
254	10.0	0.0	0.0

Manual Integrations
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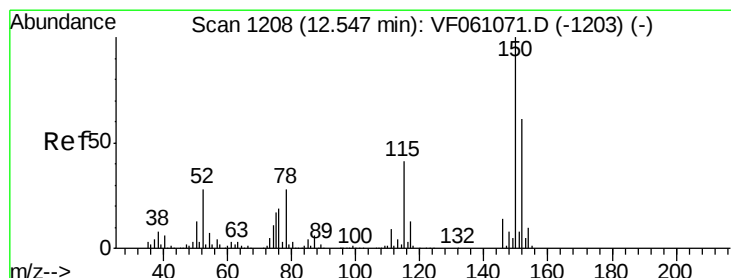
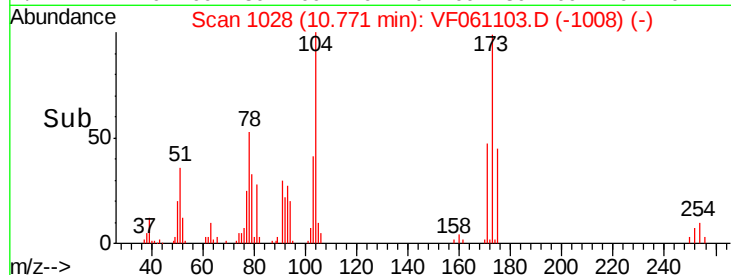
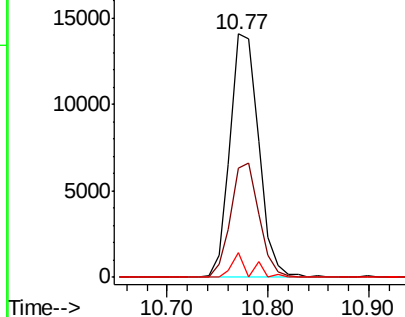


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

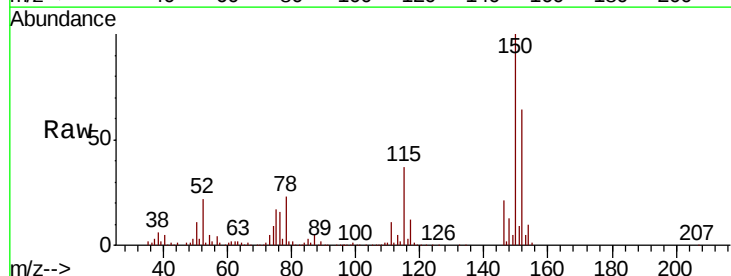
RT: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	33.3	99.9
150	155.9	0.0	328.2

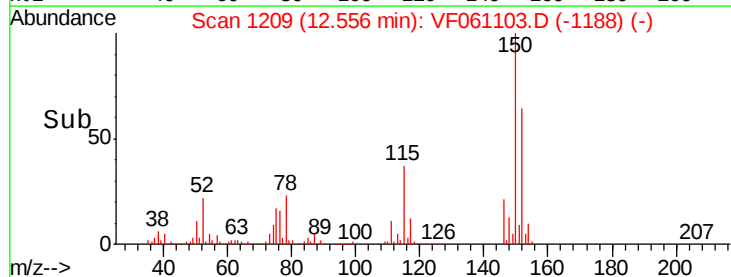
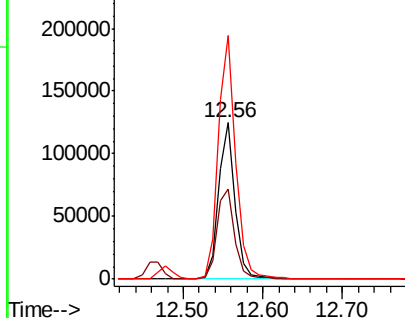


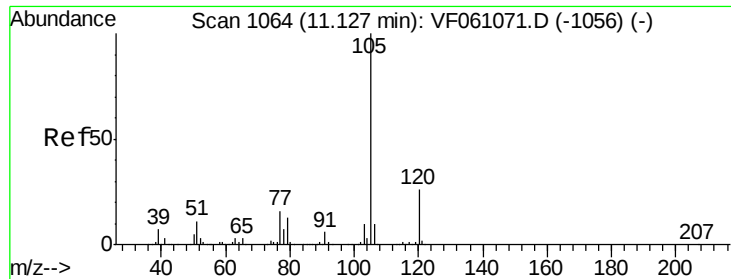
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.449 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion:105 Resp: 338267

Ion Ratio Lower Upper

105 100

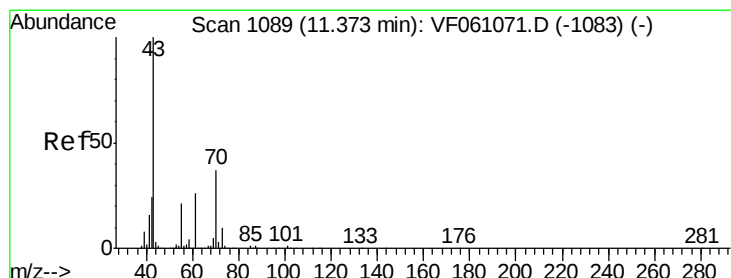
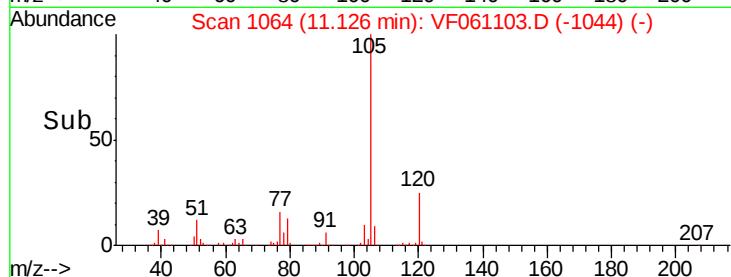
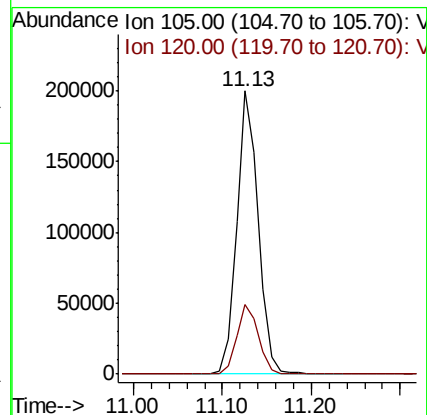
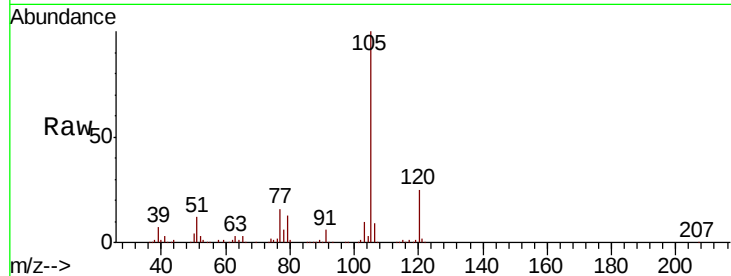
120 24.8 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.751 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion: 43 Resp: 79661

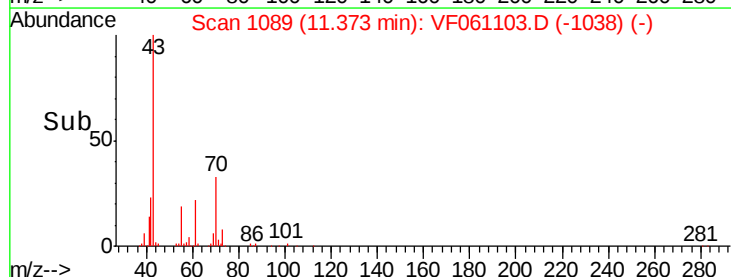
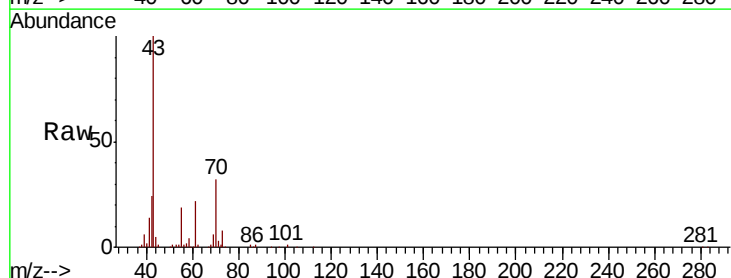
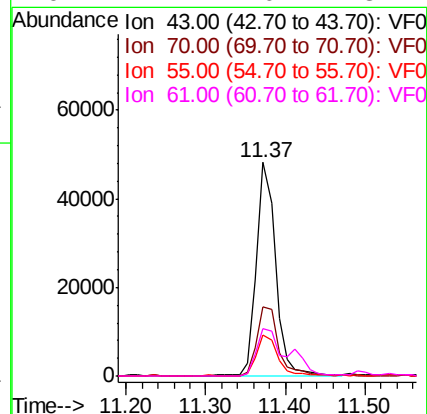
Ion Ratio Lower Upper

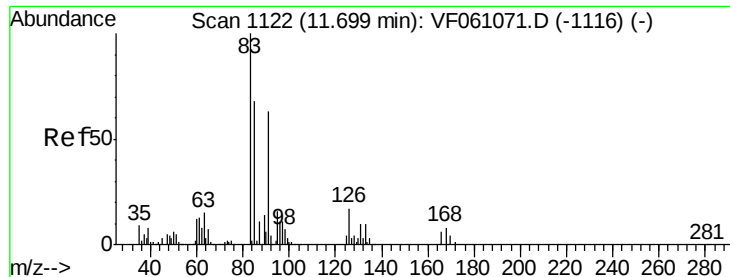
43 100

70 32.5 29.2 43.8

55 19.2 16.5 24.7

61 22.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.100 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

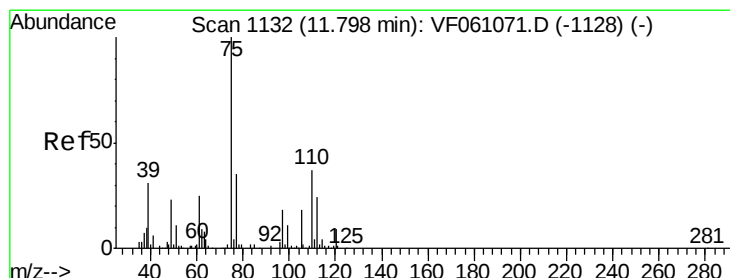
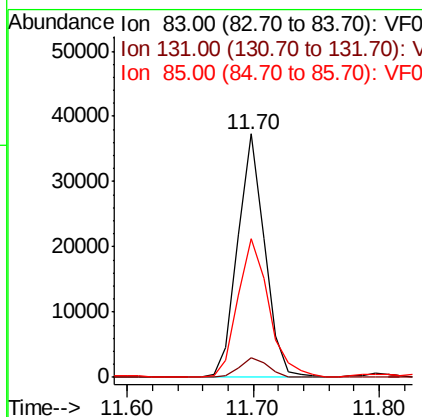
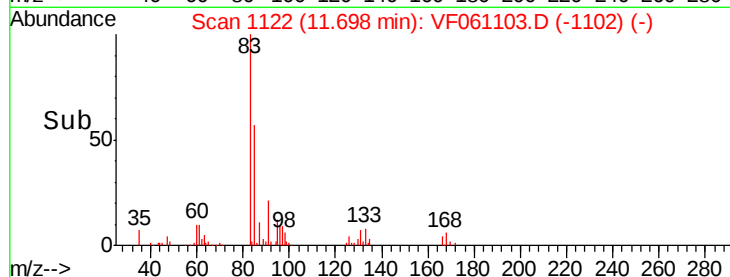
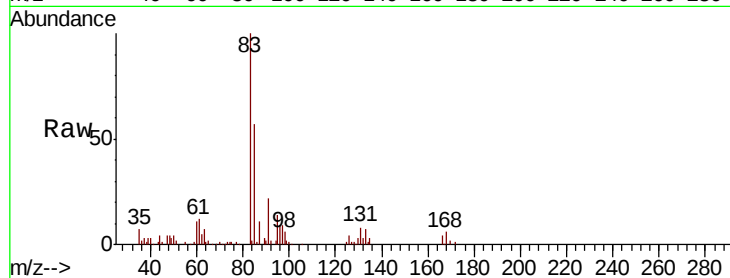
ClientSampleId :

VF1220SBS01

Tot Ion:	83	Resp:	55229
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.8	14.3
85	56.8	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 19.100 ug/l

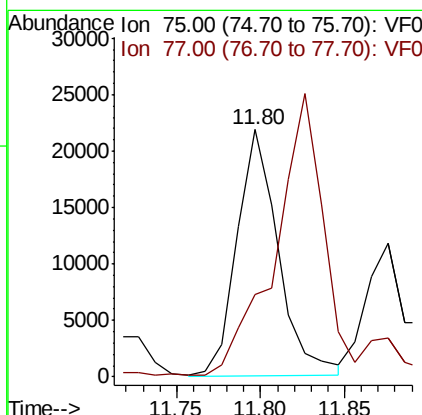
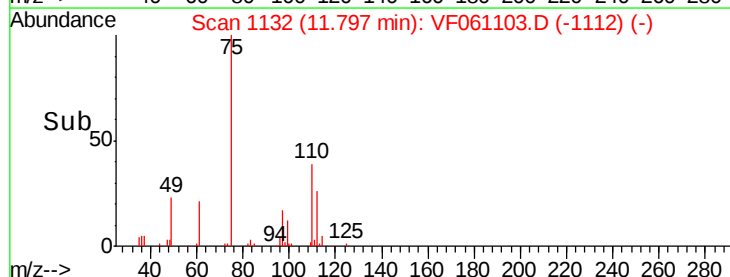
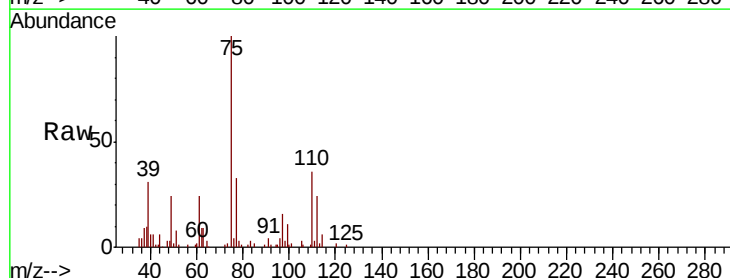
RT: 11.80 min Scan# 1132

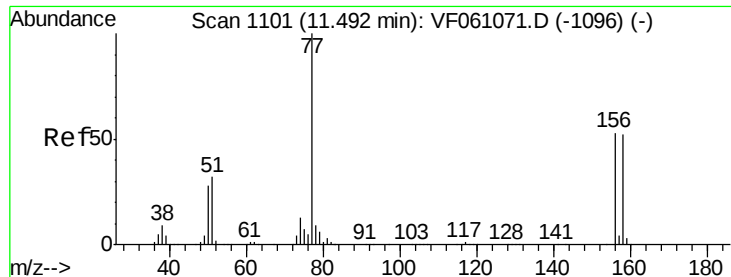
Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	75	Resp:	37204
Ion Ratio	Lower	Upper	
75	100		
77	33.4	17.6	52.9





#77

Bromobenzene

Concen: 20.644 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion:156 Resp: 70085

Ion Ratio Lower Upper

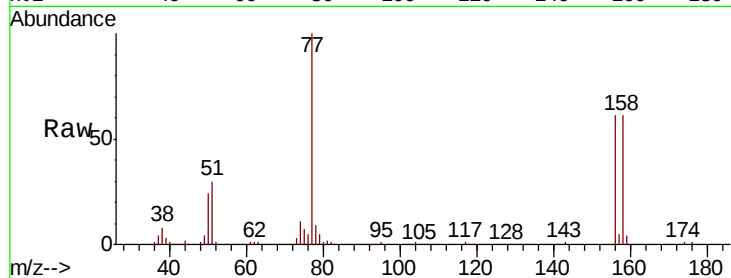
156 100

77 164.7 93.8 281.4

158 99.7 48.9 146.8

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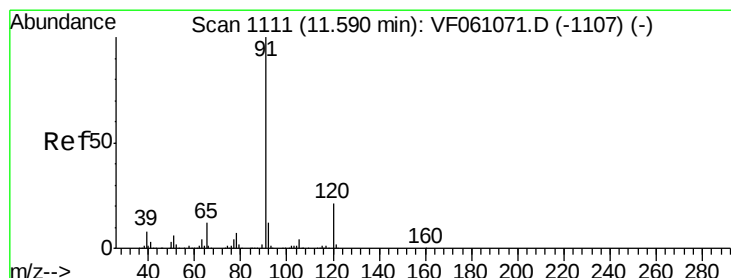
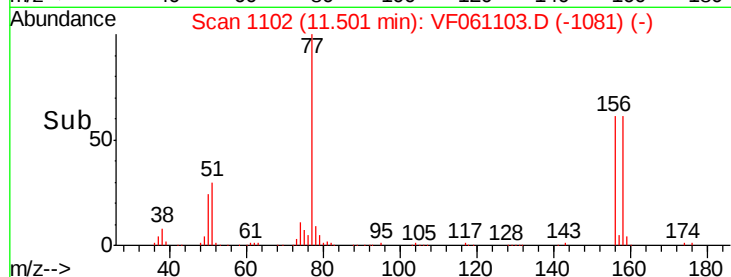
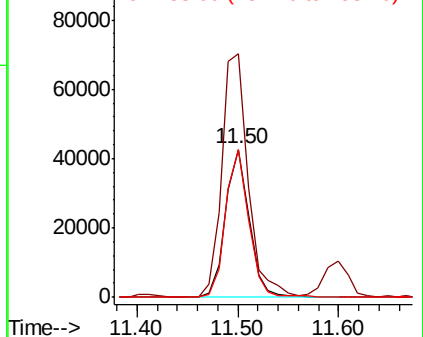
apatel
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.308 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061103.D

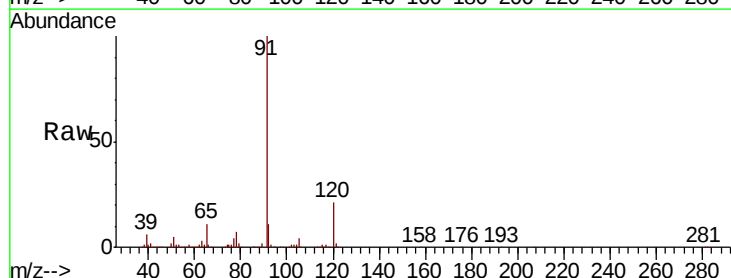
Acq: 20 Dec 2018 12:52

Tgt Ion: 91 Resp: 415402

Ion Ratio Lower Upper

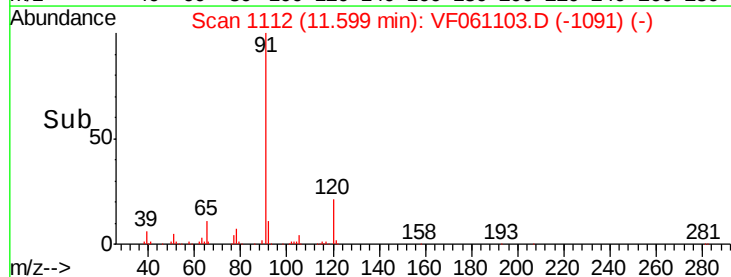
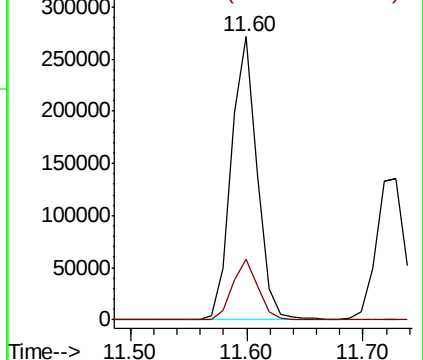
91 100

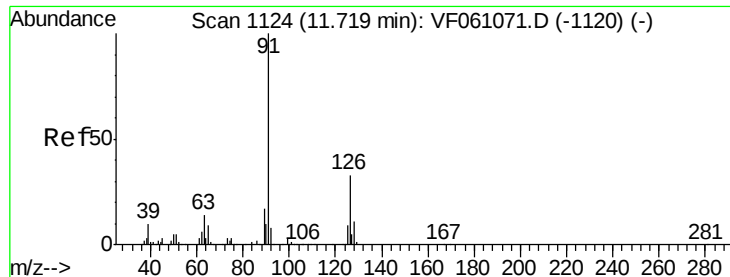
120 21.3 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





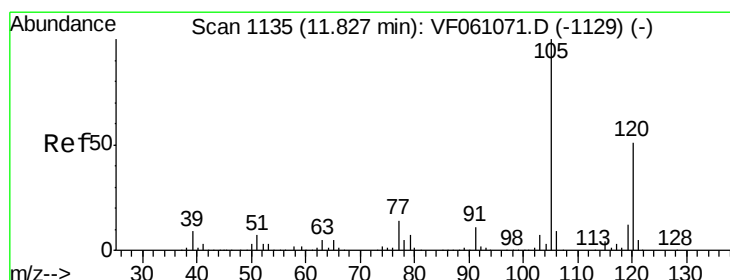
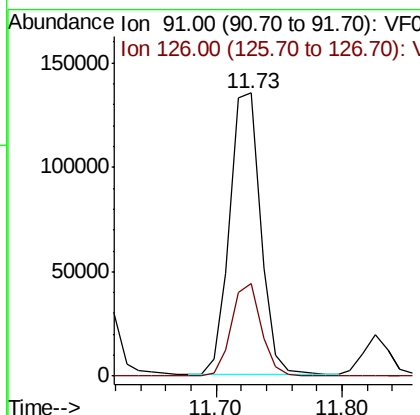
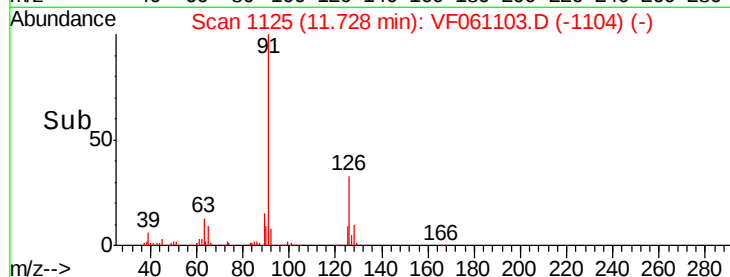
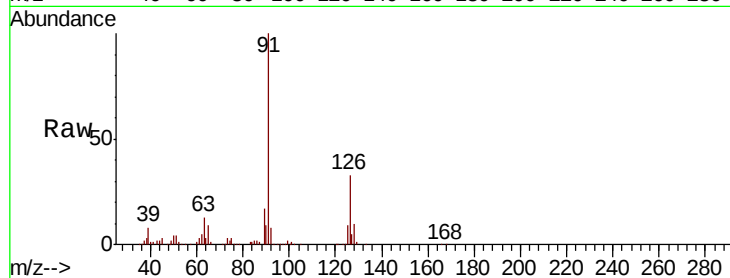
#79
2-Chlorotoluene
Concen: 21.274 ug/l
RT: 11.73 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	32.8	16.4	49.1	

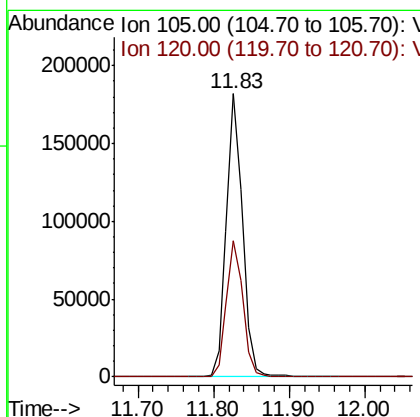
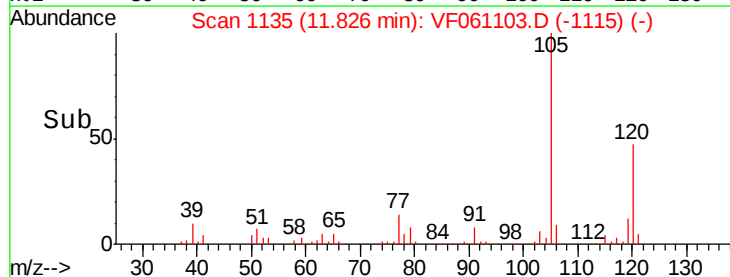
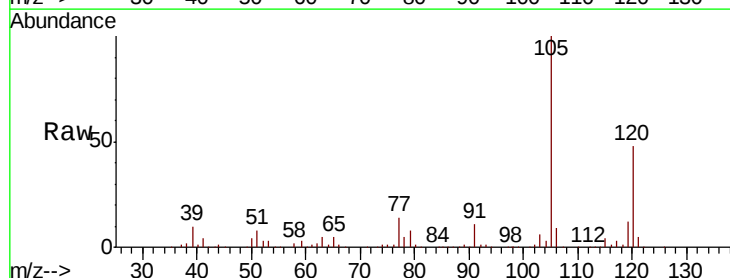
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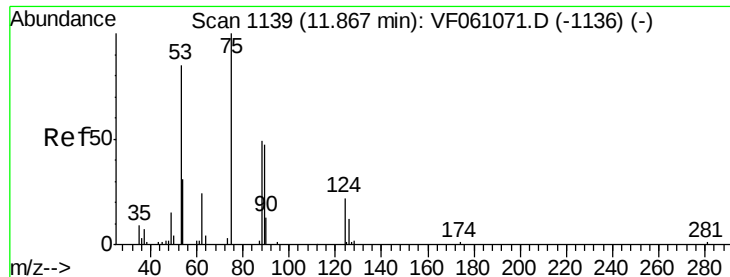
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 20.795 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	48.1	25.4	76.4	





#81

trans-1,4-Dichloro-2-butene

Concen: 20.214 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

ClientSampleId :

VF1220SBS01

Tot Ion: 75 Resp: 16920

Ion Ratio Lower Upper

75 100

53 64.1 74.1 111.1#

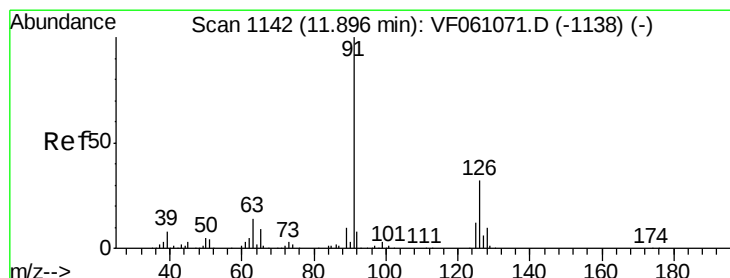
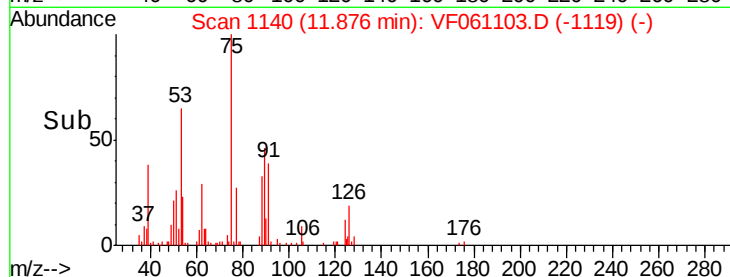
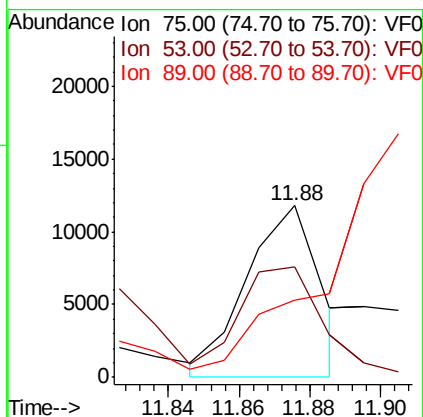
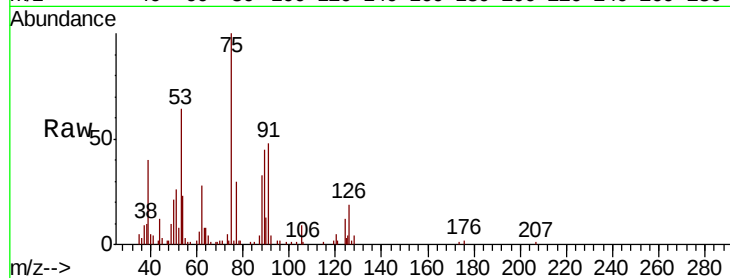
89 45.2 42.6 64.0

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#82

4-Chlorotoluene

Concen: 20.667 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061103.D

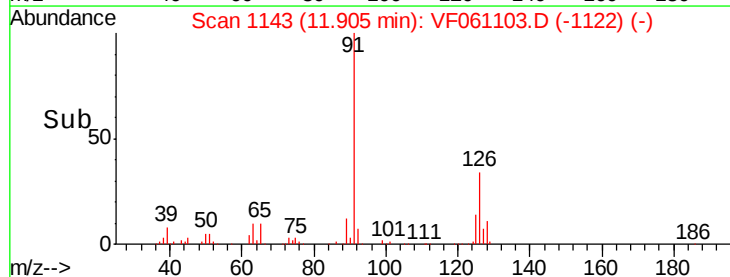
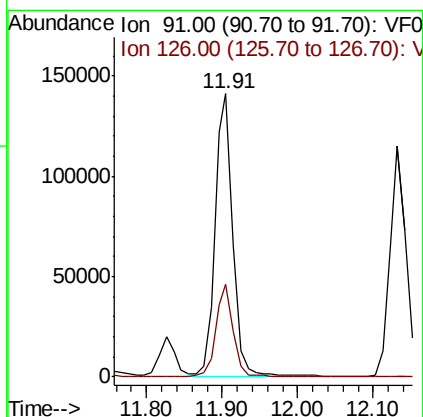
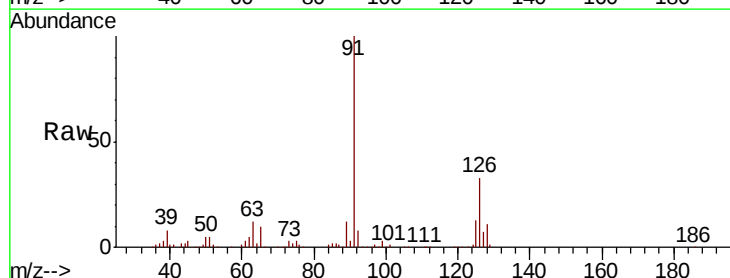
Acq: 20 Dec 2018 12:52

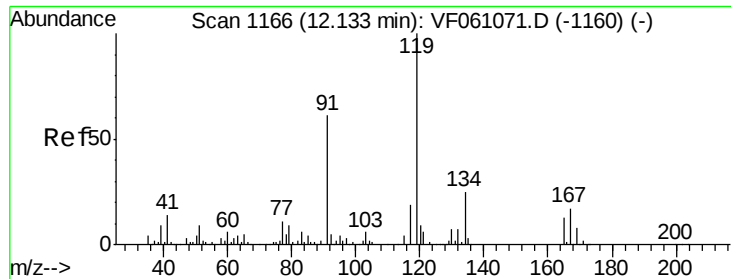
Tgt Ion: 91 Resp: 231307

Ion Ratio Lower Upper

91 100

126 32.8 16.0 47.9





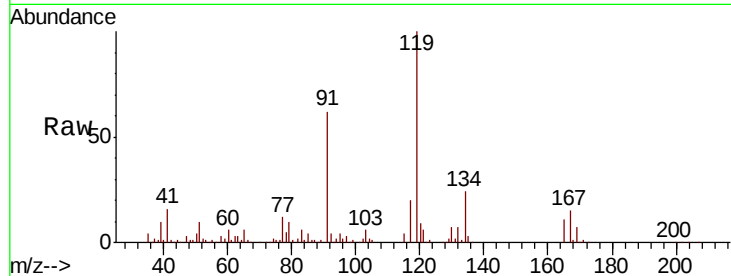
#83
tert-Butylbenzene
Concen: 21.105 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282028		
91	62.0		30.5	91.5
134	24.5		12.4	37.4

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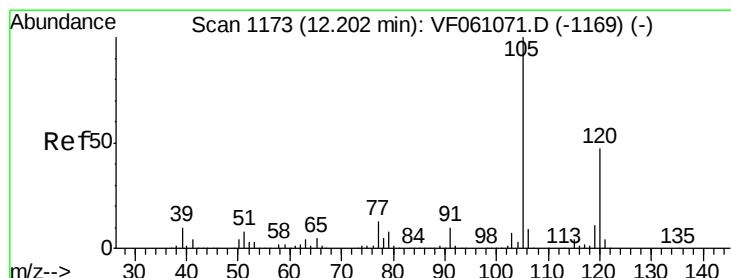
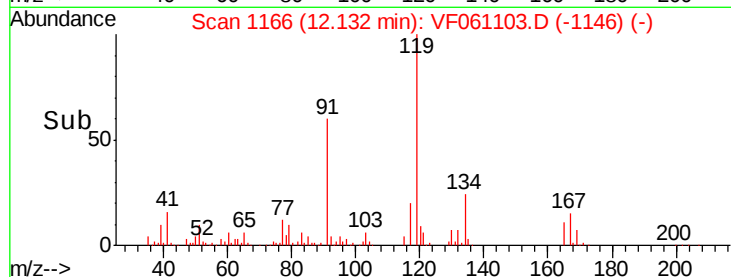
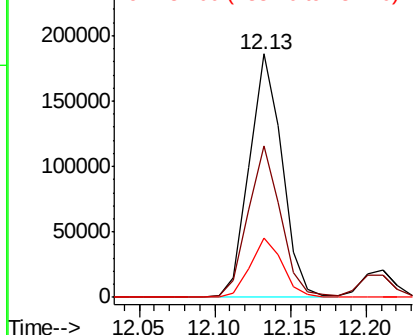


Abundance

Ion 119.00 (118.70 to 119.70): V

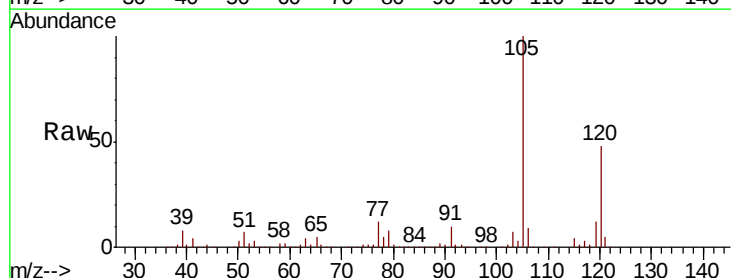
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 20.620 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

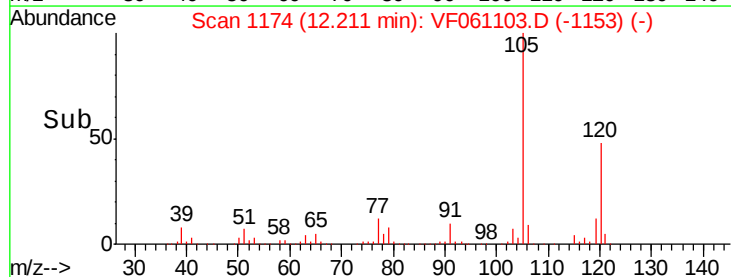
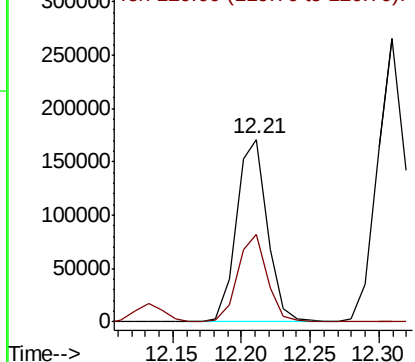
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267023		
120	48.1		23.6	71.0

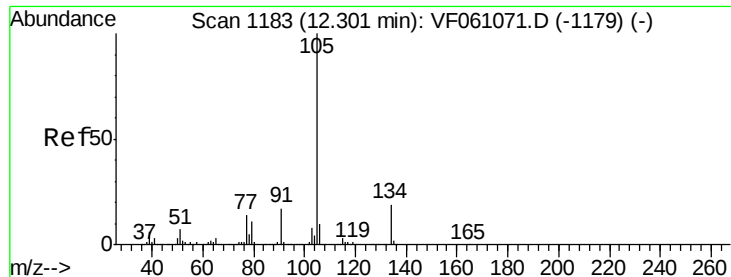


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





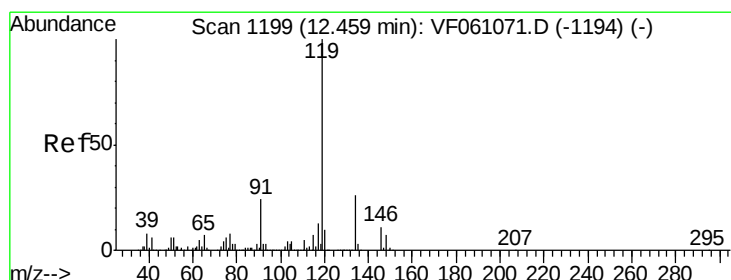
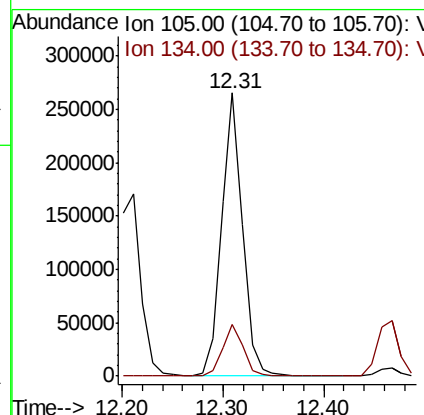
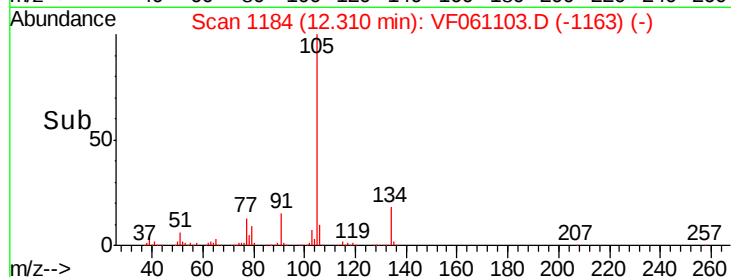
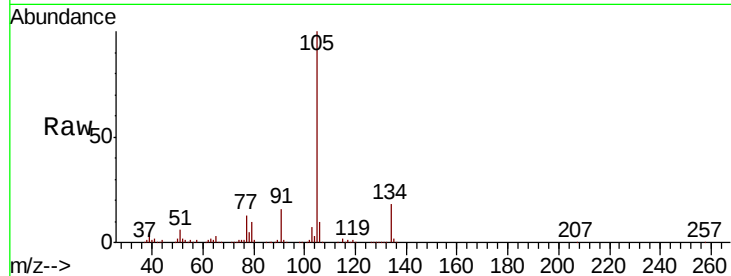
#85
 sec-Butylbenzene
 Concen: 21.935 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	382523		
134	18.4	9.4	28.2	

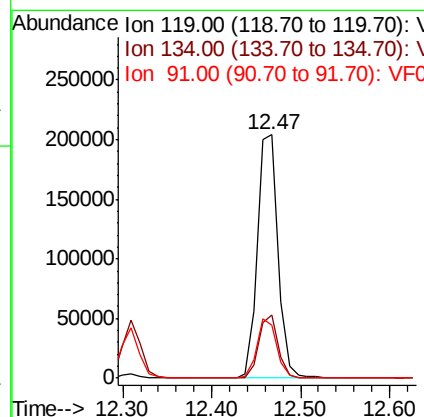
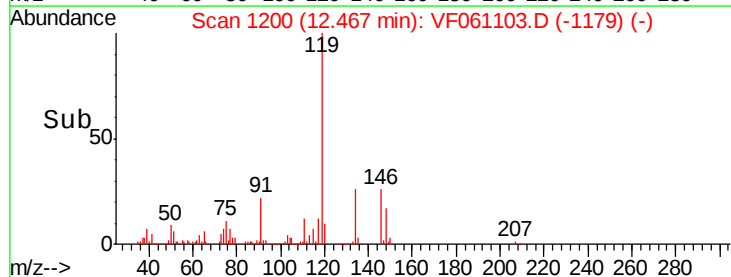
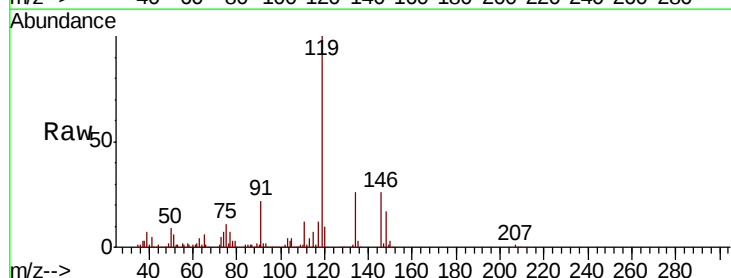
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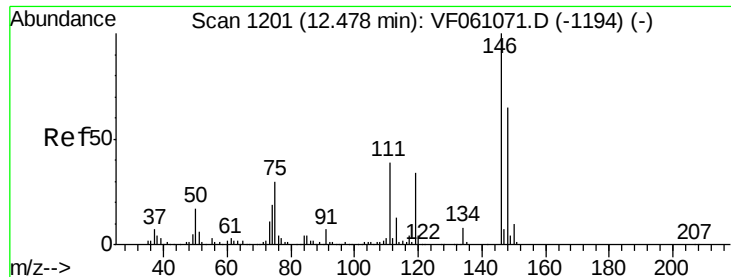
apatel
 12/21/2018 12:23:02 PM



#86
 p-Isopropyltoluene
 Concen: 22.266 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	322301		
134	25.8	12.8	38.4	
91	21.8	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 21.490 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

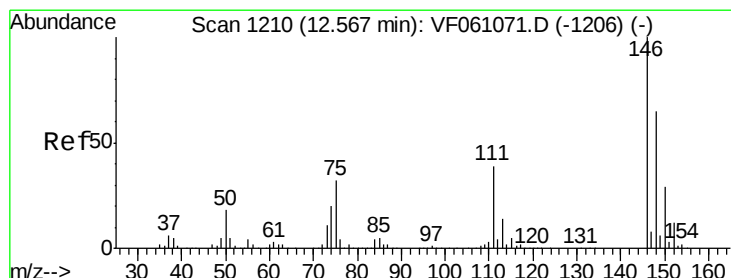
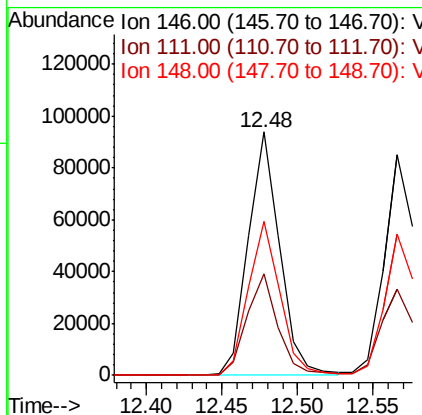
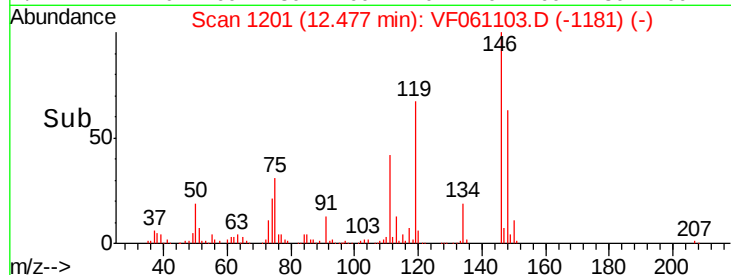
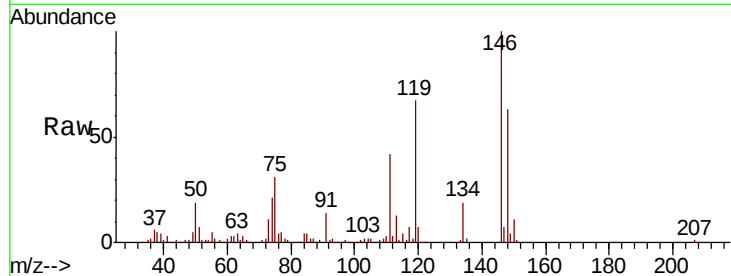
ClientSampleId :

VF1220SBS01

Tot Ion:	146	Resp:	136057
Ion Ratio	Lower	Upper	
146	100		
111	42.0	19.3	57.9
148	63.5	32.4	97.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.466 ug/l

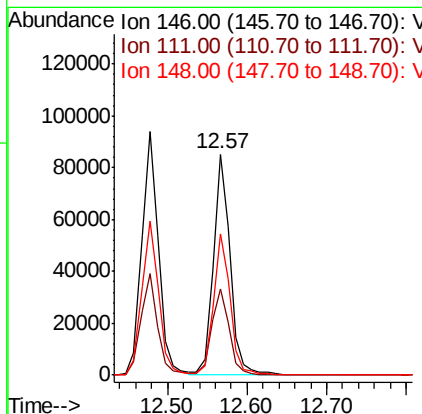
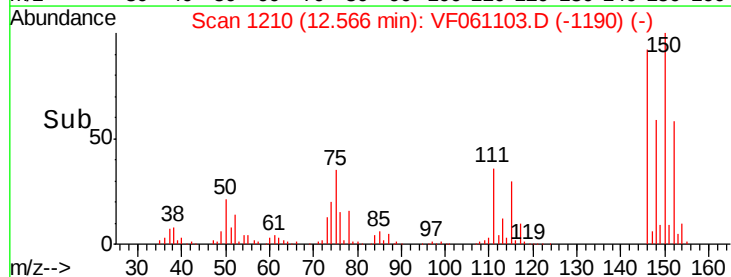
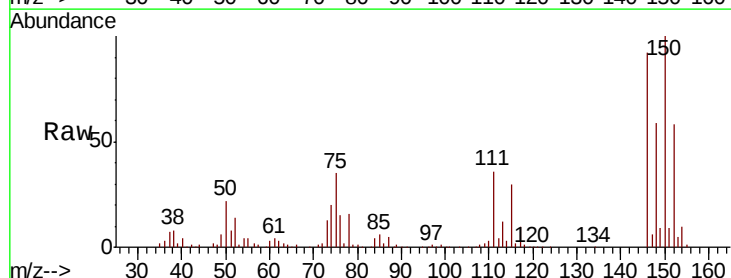
RT: 12.57 min Scan# 1210

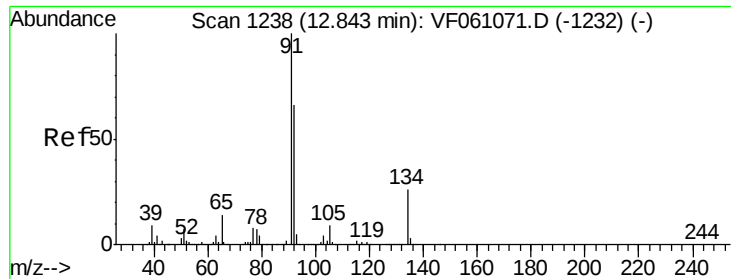
Delta R.T. -0.00 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	146	Resp:	127583
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.4	58.4
148	63.7	32.4	97.0





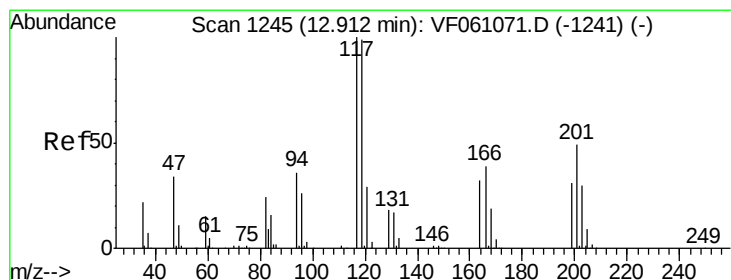
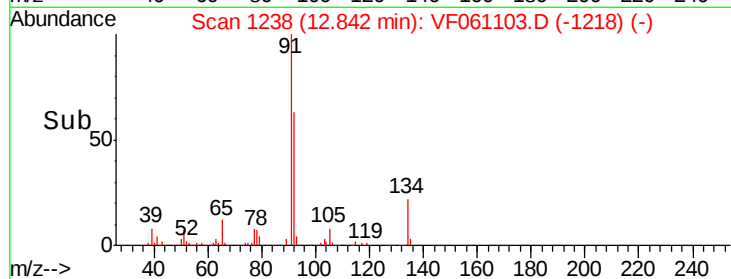
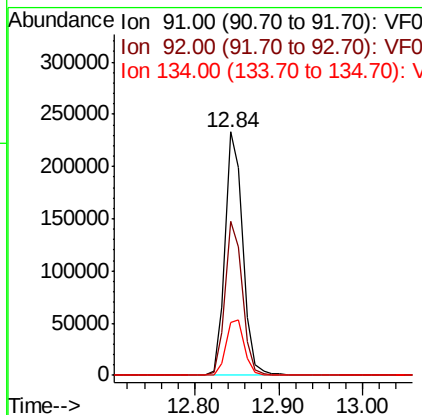
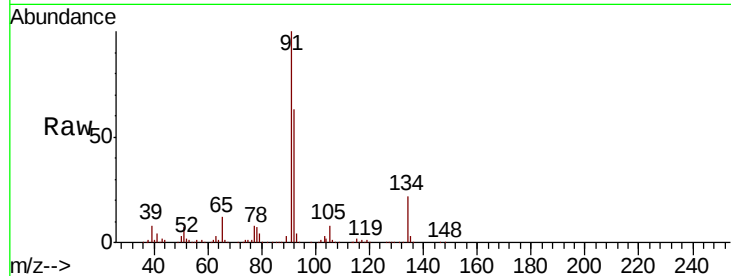
#89
n-Butylbenzene
Concen: 20.553 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Instrument :
MSVOA_F
ClientSampleId :
VF1220SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	32.8	98.4
134	21.6	13.2	39.5

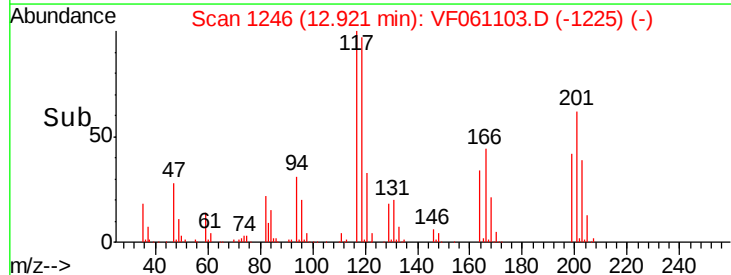
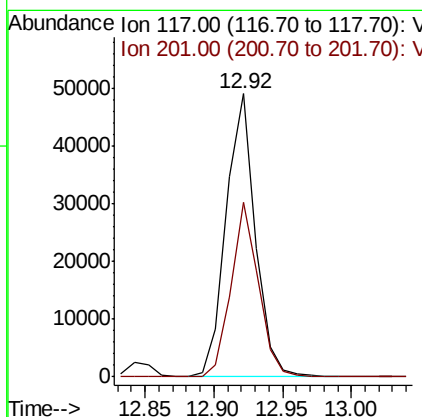
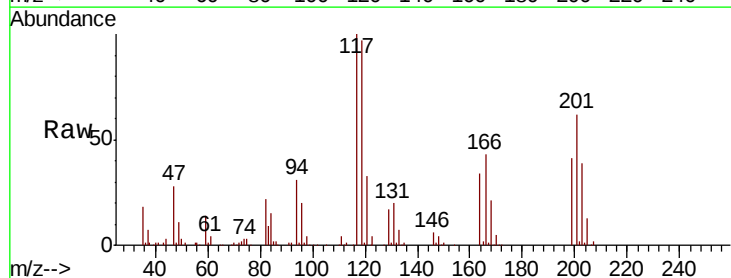
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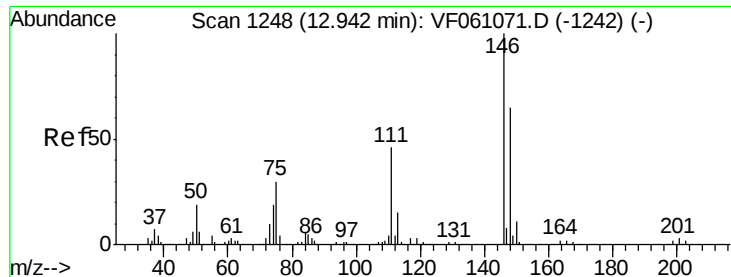
apatel
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#90
Hexachloroethane
Concen: 20.190 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061103.D
Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.9	24.9	74.8





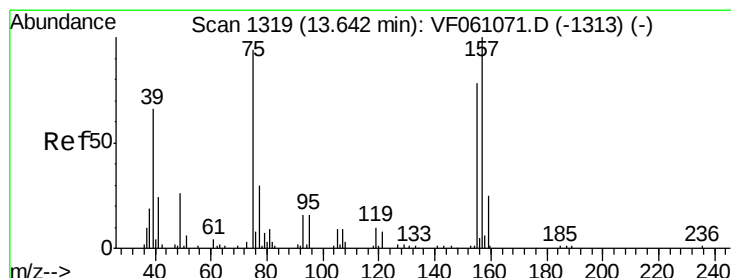
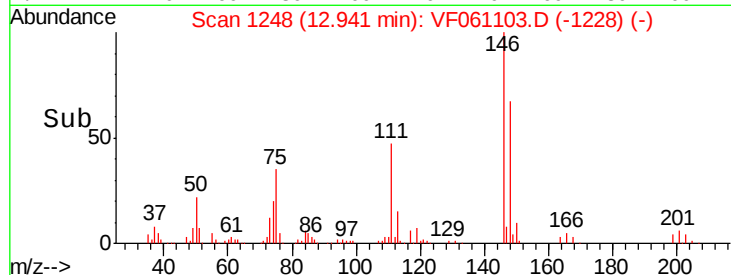
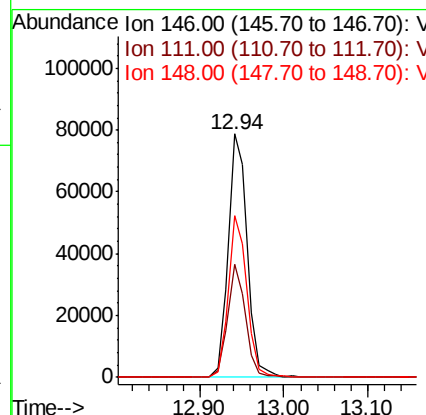
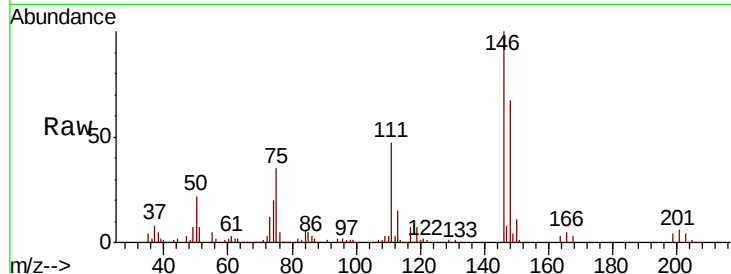
#91
 1,2-Dichlorobenzene
 Concen: 20.384 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123718		
111	46.6	23.2	69.5	
148	66.6	32.4	97.0	

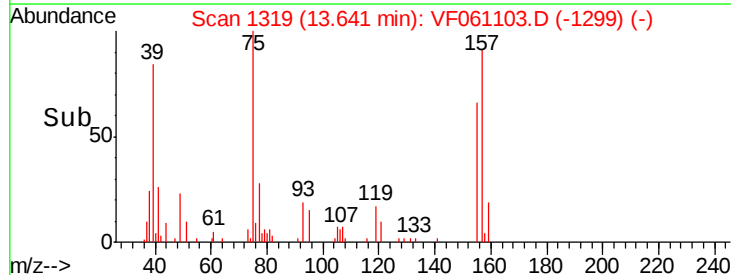
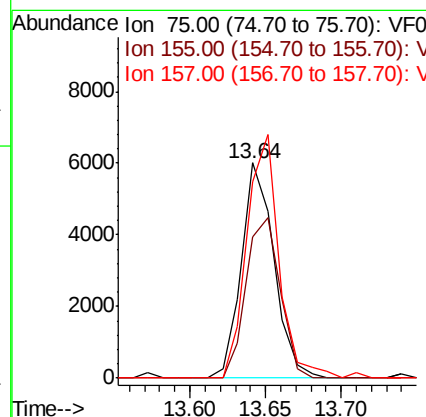
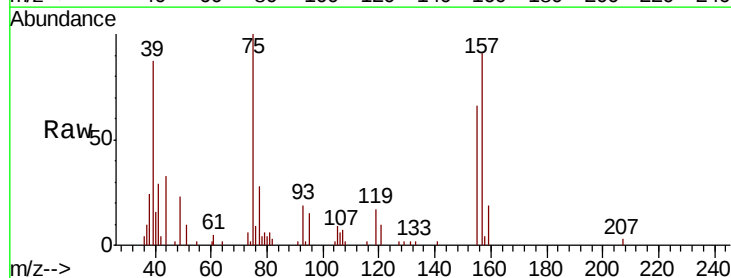
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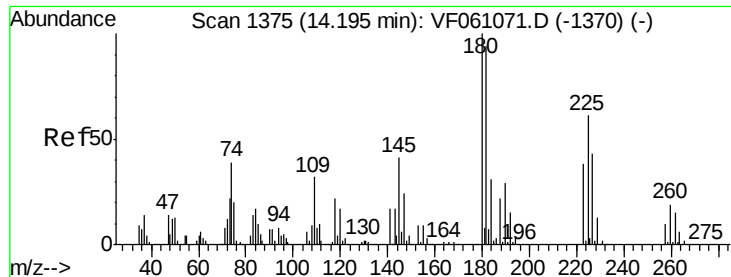
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.740 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9001		
155	66.0	41.5	124.5	
157	91.3	53.2	159.6	





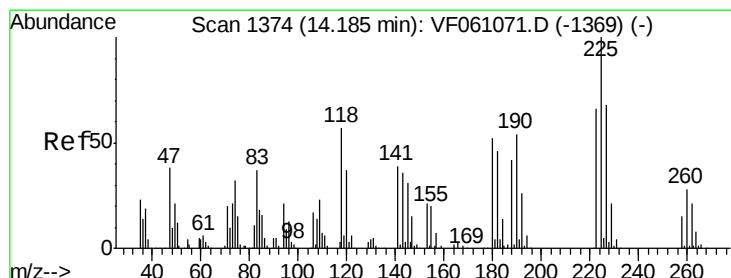
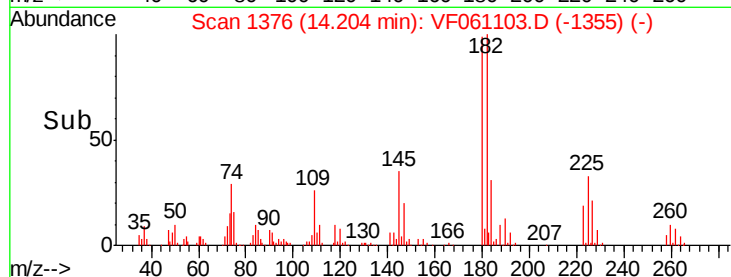
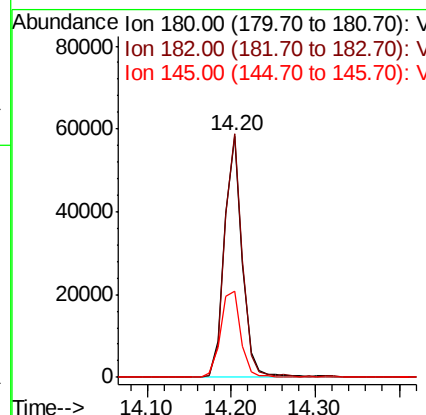
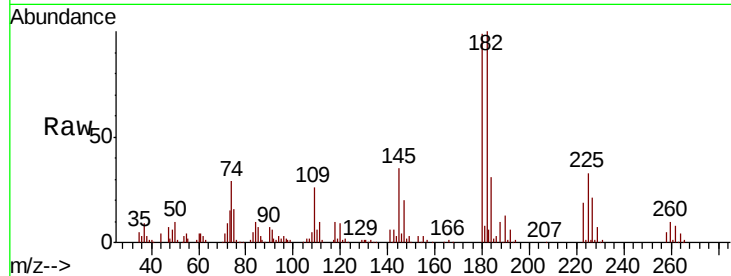
#93
 1,2,4-Trichlorobenzene
 Concen: 19.988 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.9	46.9	140.6	
145	35.6	20.5	61.6	

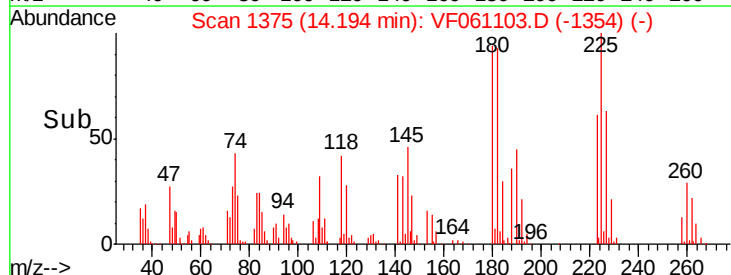
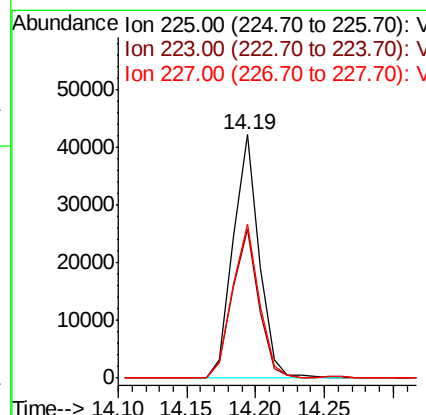
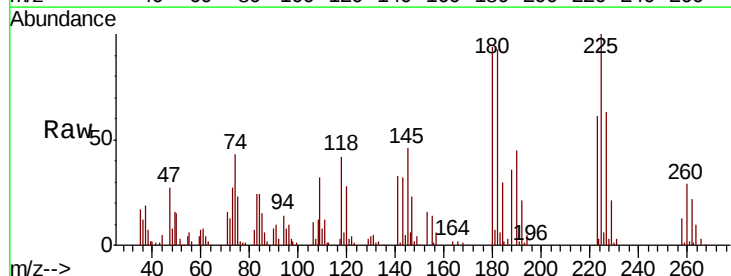
Manual Integrations
 APPROVED

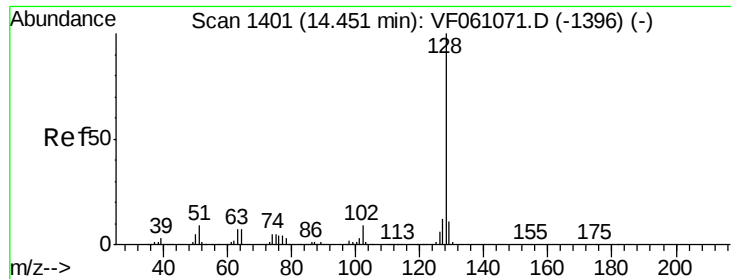
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#94
 Hexachlorobutadiene
 Concen: 20.280 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061103.D
 Acq: 20 Dec 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	32.8	98.3	
227	63.2	34.0	101.8	





#95

Naphthalene

Concen: 19.363 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Instrument :

MSVOA_F

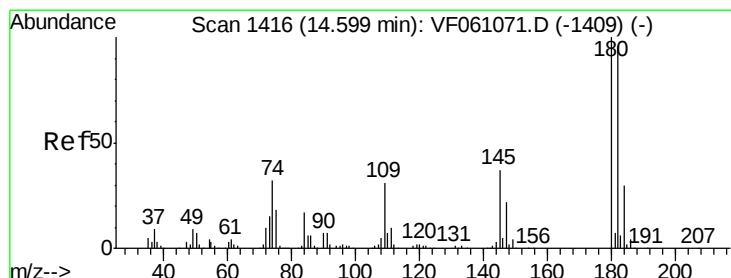
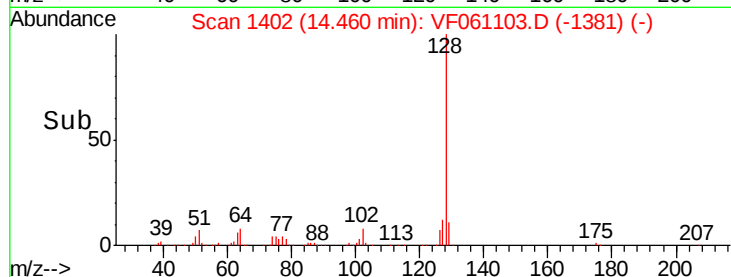
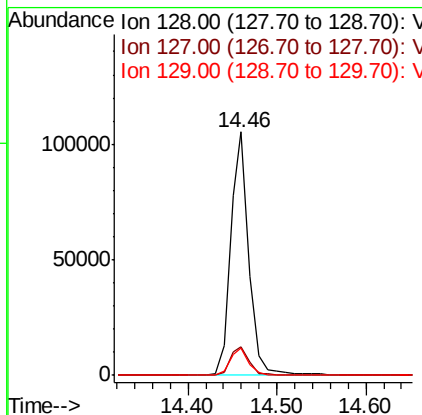
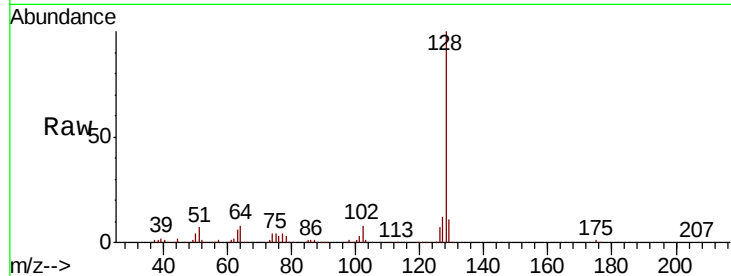
ClientSampleId :

VF1220SBS01

Tot Ion:	128	Resp:	152192
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.4	14.2
129	11.3	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.379 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF061103.D

Acq: 20 Dec 2018 12:52

Tgt Ion:	180	Resp:	77113
Ion Ratio	Lower	Upper	
180	100		
182	99.0	47.9	143.8
145	32.5	18.6	55.8

