

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061070.D
 Acq On : 18 Dec 2018 19:22
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 12/20/2018 10:28:45 AM

Quant Time: Dec 19 06:28:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	207223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	349252	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	318968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	169591	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	51034	20.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.90%	
35) Dibromofluoromethane	4.11	113	57052	20.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.96%	
50) Toluene-d8	7.56	98	159822	19.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.82%	
62) 4-Bromofluorobenzene	11.41	95	75981	20.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	93916	27.919	ug/l	96
3) Chloromethane	1.11	50	51098	23.702	ug/l	93
4) Vinyl Chloride	1.14	62	47541	23.826	ug/l #	85
5) Bromomethane	1.36	94	32306	23.287	ug/l	85
6) Chloroethane	1.40	64	20775	24.155	ug/l	99
7) Trichlorofluoromethane	1.50	101	92746m	22.419	ug/l	
8) Diethyl Ether	1.63	74	11981	20.234	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	49960	23.918	ug/l	91
10) Methyl Iodide	1.91	142	72069m	22.521	ug/l	
11) Tert butyl alcohol	2.59	59	11303	111.890	ug/l	99
12) 1,1-Dichloroethene	1.80	96	35168	20.951	ug/l	97
13) Acrolein	2.00	56	7787m	88.782	ug/l	
14) Allyl chloride	2.09	41	37686	19.251	ug/l	91
15) Acrylonitrile	2.94	53	26228	113.440	ug/l	94
16) Acetone	2.24	43	51194	109.552	ug/l #	92
17) Carbon Disulfide	1.84	76	104709m	22.747	ug/l	
18) Methyl Acetate	2.35	43	23768m	27.466	ug/l	
19) Methyl tert-butyl Ether	2.43	73	83327	22.231	ug/l	100
20) Methylene Chloride	2.27	84	36319m	22.690	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	38016m	23.485	ug/l	
22) Diisopropyl ether	2.80	45	128390	22.644	ug/l	97
23) Vinyl Acetate	3.19	43	304931	117.178	ug/l	99
24) 1,1-Dichloroethane	2.87	63	76419	22.686	ug/l	99
25) 2-Butanone	4.34	43	83204	105.257	ug/l	97
26) 2,2-Dichloropropane	3.60	77	42947	20.157	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	60196	22.944	ug/l	91
28) Bromochloromethane	3.72	49	36888	22.308	ug/l	91
29) Tetrahydrofuran	4.07	42	33548	100.632	ug/l	98
30) Chloroform	3.86	83	110710	21.287	ug/l	98
31) Cyclohexane	3.69	56	77359m	21.896	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	67039	19.473	ug/l	93
36) 1,1-Dichloropropene	4.28	75	82346	21.056	ug/l	93
37) Ethyl Acetate	4.11	43	34678	21.951	ug/l	91
38) Carbon Tetrachloride	3.99	117	64106	19.359	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.45	83	81046m	19.935	ug/l	
40) Benzene	4.63	78	185242	21.532	ug/l	95
41) Methacrylonitrile	4.75	41	18021	19.269	ug/l #	85
42) 1,2-Dichloroethane	4.94	62	69359	22.113	ug/l	99
43) Isopropyl Acetate	6.96	43	39915	18.836	ug/l	97
44) Trichloroethene	5.50	130	61268	21.835	ug/l	98
45) 1,2-Dichloropropane	6.23	63	49848	22.399	ug/l	93
46) Dibromomethane	6.09	93	31368	20.810	ug/l	98
47) Bromodichloromethane	6.38	83	85368	21.271	ug/l	98
48) Methyl methacrylate	6.72	41	28538	20.150	ug/l	95
49) 1,4-Dioxane	6.71	88	4368	426.539	ug/l	91
51) 4-Methyl-2-Pentanone	8.26	43	151182	105.053	ug/l	98
52) Toluene	7.63	92	130338	21.638	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	70280	21.690	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	90676	22.677	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	37918	21.876	ug/l	95
56) Ethyl methacrylate	8.62	69	38092	19.929	ug/l #	92
57) 1,3-Dichloropropane	8.86	76	65490	21.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	42710	188.728	ug/l	99
59) 2-Hexanone	9.49	43	103923	102.188	ug/l	99
60) Dibromochloromethane	8.71	129	53390	20.623	ug/l	97
61) 1,2-Dibromoethane	8.99	107	39120	20.762	ug/l	98
64) Tetrachloroethene	8.15	164	53963	22.071	ug/l	96
65) Chlorobenzene	9.80	112	137670	22.342	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	58129	22.022	ug/l	96
67) Ethyl Benzene	9.90	91	251784	21.889	ug/l	97
68) m/p-Xylenes	10.13	106	178160	42.915	ug/l	91
69) o-Xylene	10.71	106	96243	21.063	ug/l	98
70) Styrene	10.79	104	138651	22.046	ug/l	99
71) Bromoform	10.77	173	26595	20.962	ug/l	99
73) Isopropylbenzene	11.13	105	303709	22.364	ug/l	98
74) N-amyl acetate	11.37	43	66310	21.366	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	51430	23.093	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	37095	22.744	ug/l	88
77) Bromobenzene	11.49	156	66285	22.565	ug/l	91
78) n-propylbenzene	11.59	91	376072	23.634	ug/l	99
79) 2-Chlorotoluene	11.72	91	206766	22.634	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	248832	22.588	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	15967m	20.349	ug/l	
82) 4-Chlorotoluene	11.90	91	205783	21.485	ug/l	97
83) tert-Butylbenzene	12.13	119	256469	22.760	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	238317	21.884	ug/l	98
85) sec-Butylbenzene	12.30	105	331525	21.704	ug/l	97
86) p-Isopropyltoluene	12.46	119	283712	22.083	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	124434	22.273	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	120244	22.073	ug/l	98
89) n-Butylbenzene	12.84	91	289778	22.411	ug/l	93
90) Hexachloroethane	12.91	117	66209	21.485	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	119318	22.453	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9043	21.000	ug/l	91

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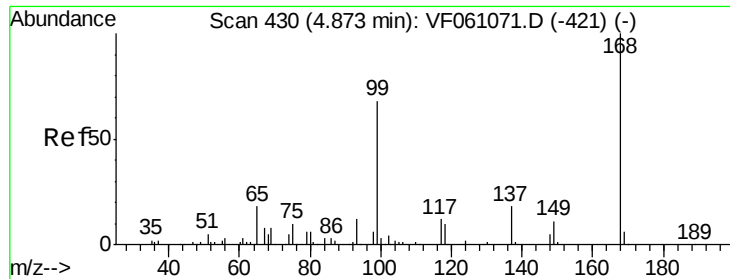
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	83683	22.518	ug/l	99
94) Hexachlorobutadiene	14.19	225	51882	20.970	ug/l	94
95) Naphthalene	14.45	128	146144	17.915	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	74403	21.278	ug/l	98

(#) = 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: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 207223

Ion Ratio Lower Upper

168 100

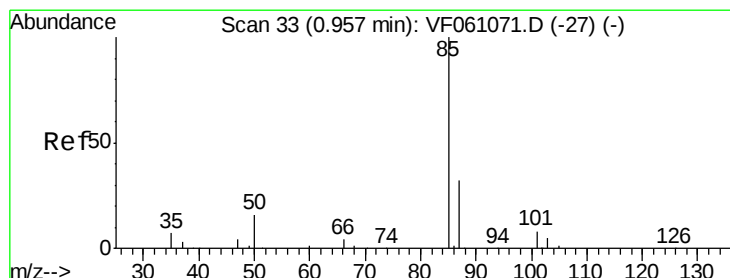
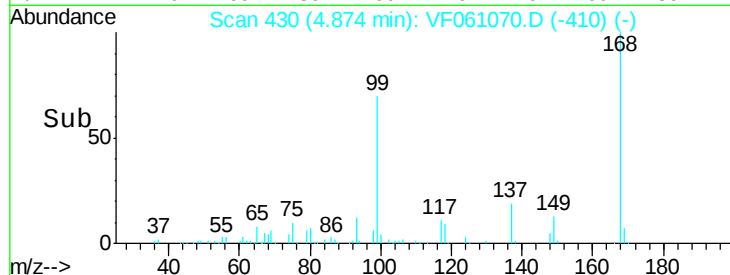
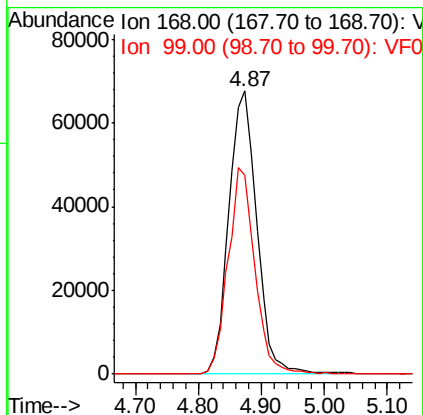
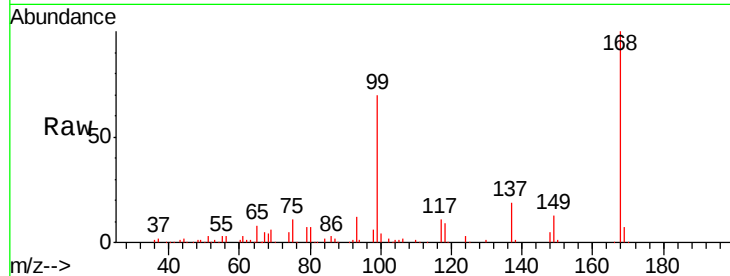
99 70.2 54.4 81.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 27.919 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061070.D

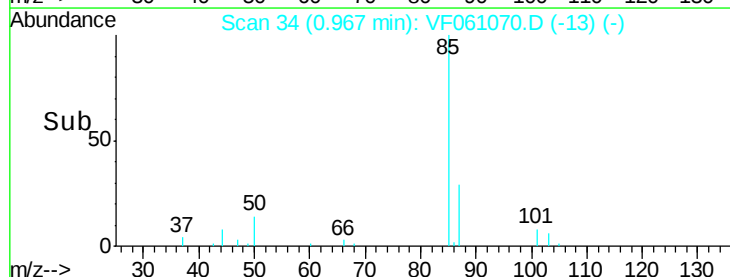
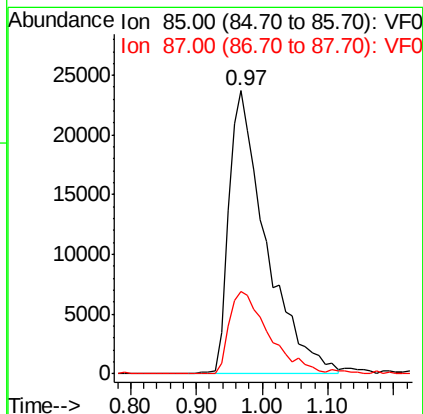
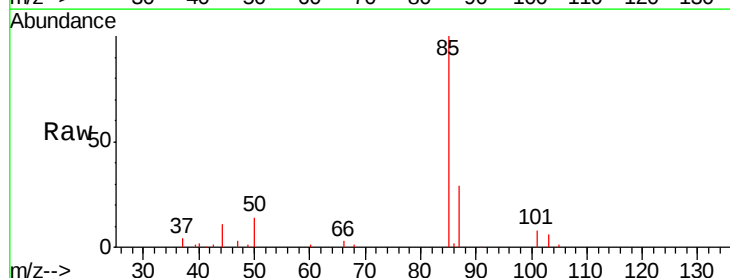
Acq: 18 Dec 2018 19:22

Tgt Ion: 85 Resp: 93916

Ion Ratio Lower Upper

85 100

87 29.3 15.9 47.6





#3

Chloromethane

Concen: 23.702 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 51098

Ion Ratio Lower Upper

50 100

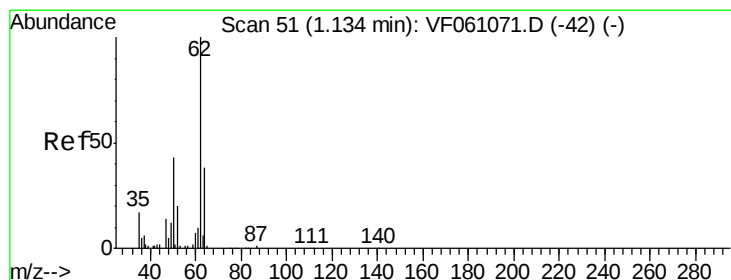
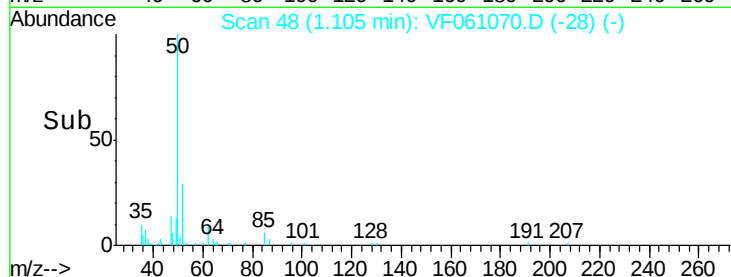
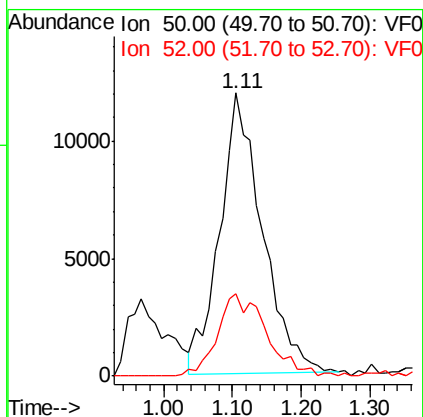
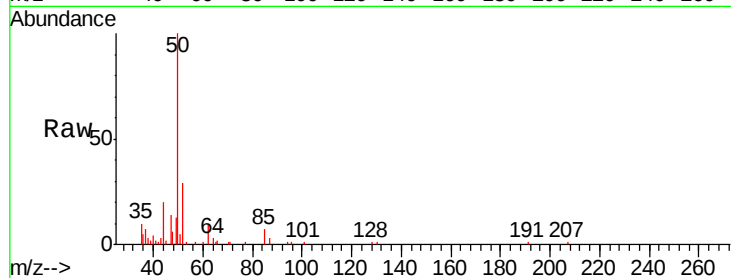
52 29.1 26.3 39.5

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#4

Vinyl Chloride

Concen: 23.826 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061070.D

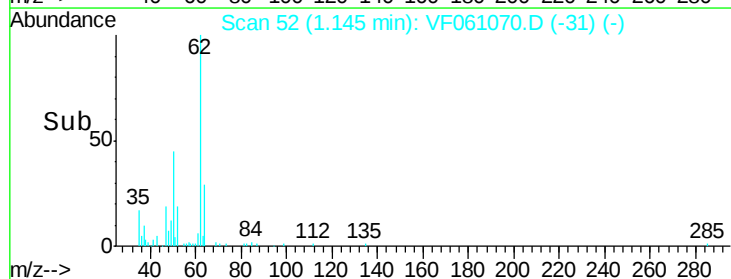
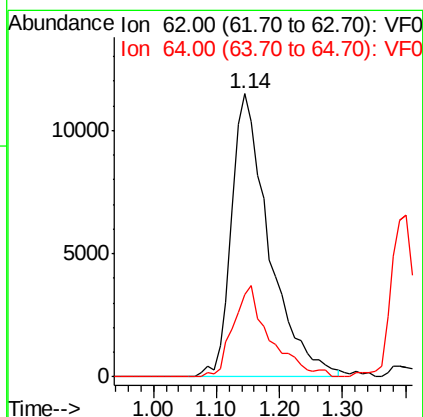
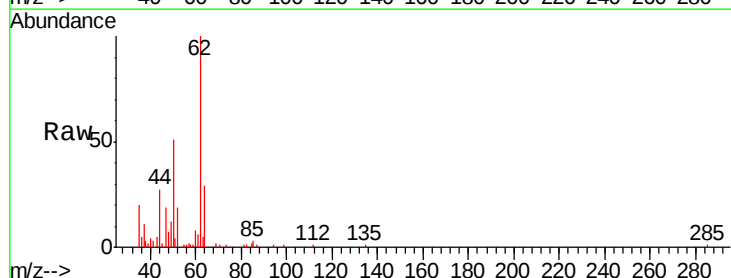
Acq: 18 Dec 2018 19:22

Tgt Ion: 62 Resp: 47541

Ion Ratio Lower Upper

62 100

64 29.1 30.4 45.6#





#5

Bromomethane

Concen: 23.287 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.02 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 32306

Ion Ratio Lower Upper

94 100

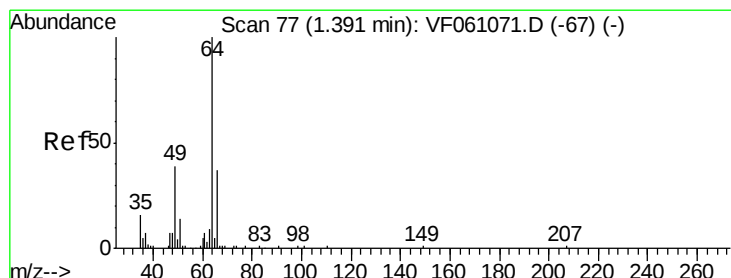
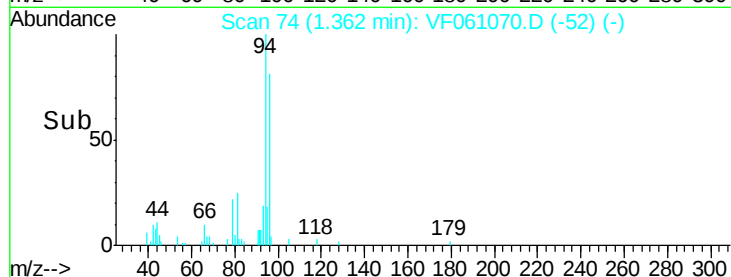
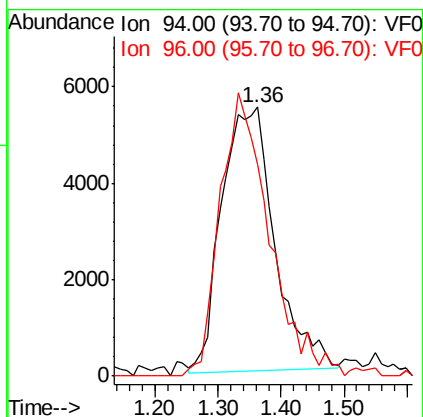
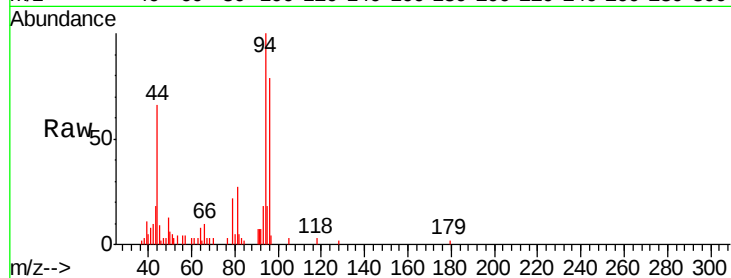
96 78.6 74.4 111.6

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#6

Chloroethane

Concen: 24.155 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061070.D

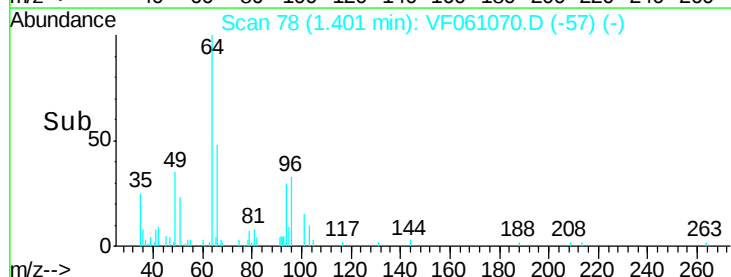
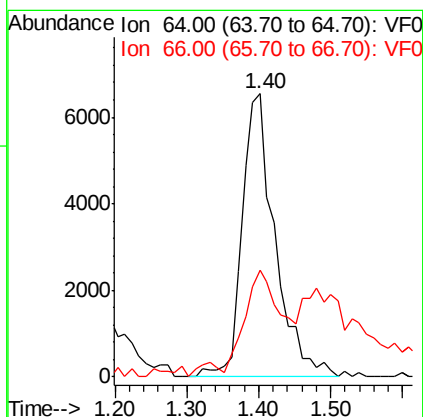
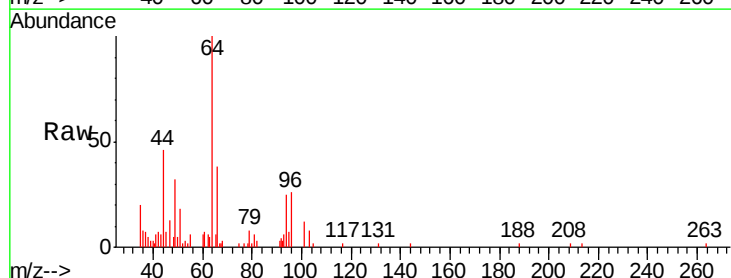
Acq: 18 Dec 2018 19:22

Tgt Ion: 64 Resp: 20775

Ion Ratio Lower Upper

64 100

66 37.9 30.9 46.3





#7

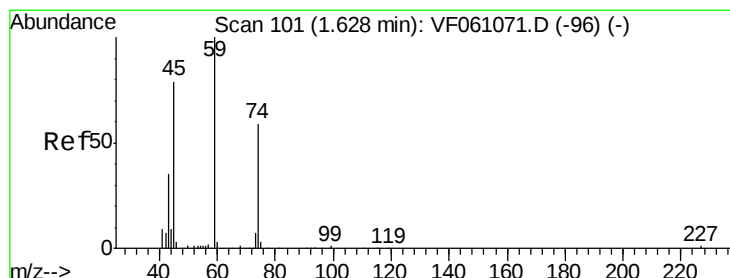
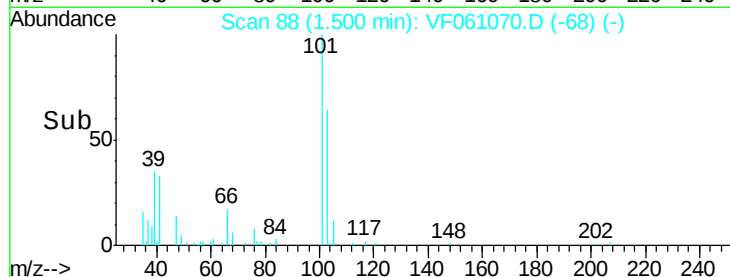
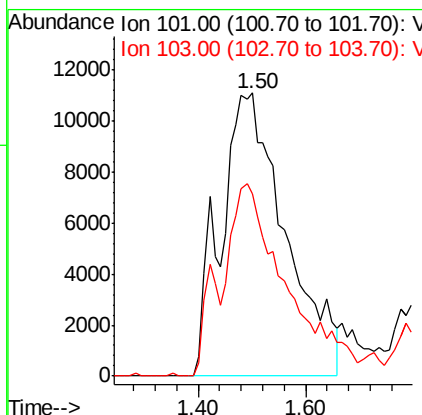
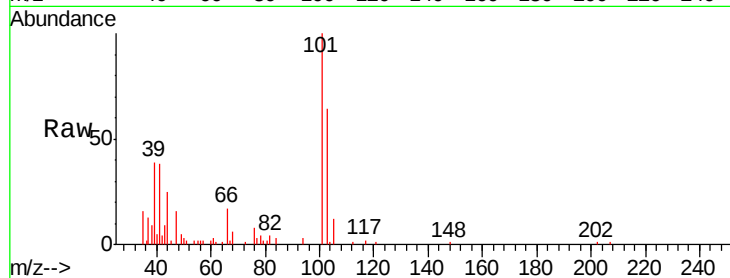
Trichlorofluoromethane
Concen: 22.419 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

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VSTDIC020

Tgt Ion:101 Resp: 92746
Ion Ratio Lower Upper
101 100
103 64.2 50.7 76.1

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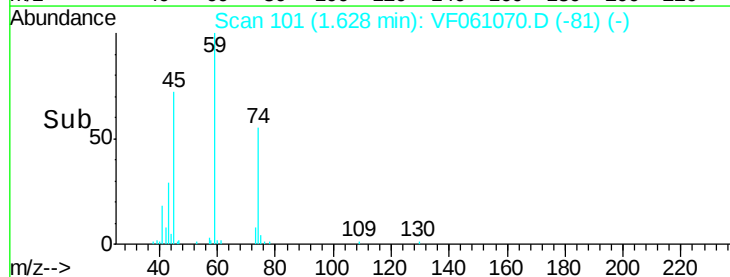
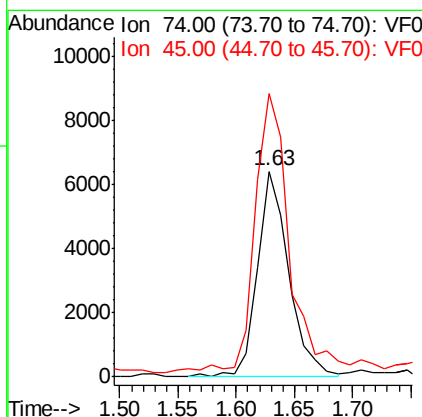
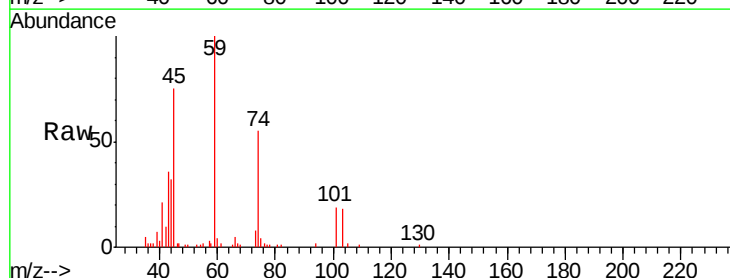
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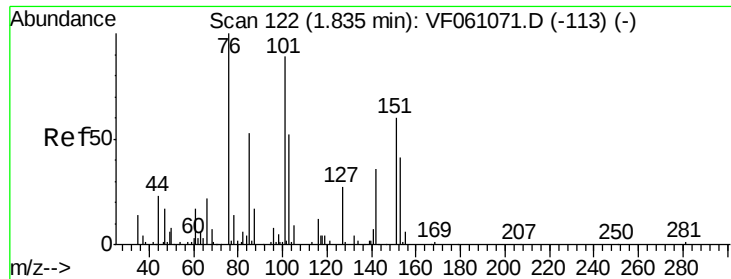


#8

Diethyl Ether
Concen: 20.234 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion: 74 Resp: 11981
Ion Ratio Lower Upper
74 100
45 137.5 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.918 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

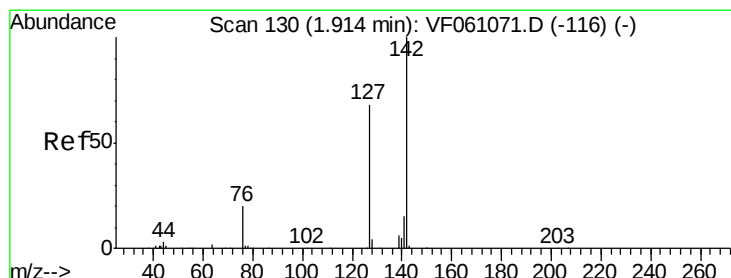
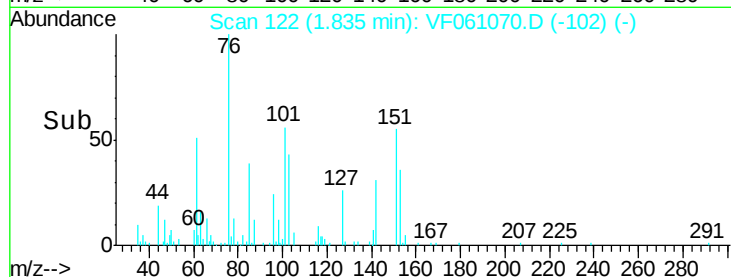
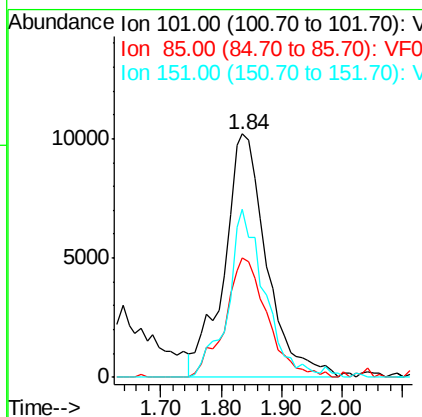
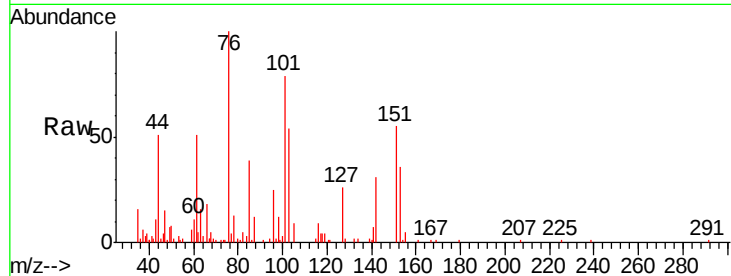
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	49960
Ion Ratio	Lower	Upper	
101	100		
85	49.1	44.5	66.7
151	69.0	49.9	74.9

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#10

Methyl Iodide

Concen: 22.521 ug/l m

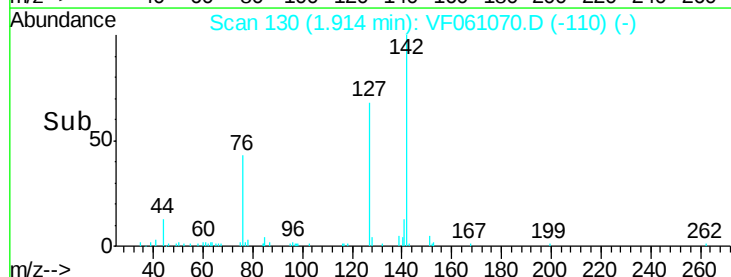
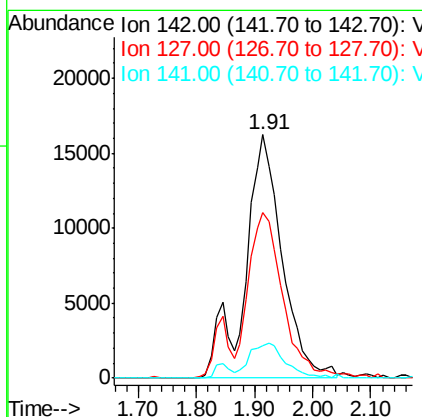
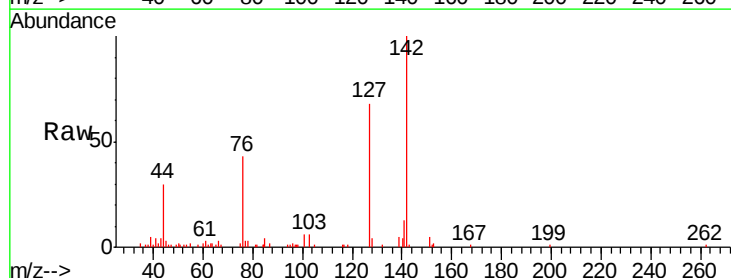
RT: 1.91 min Scan# 130

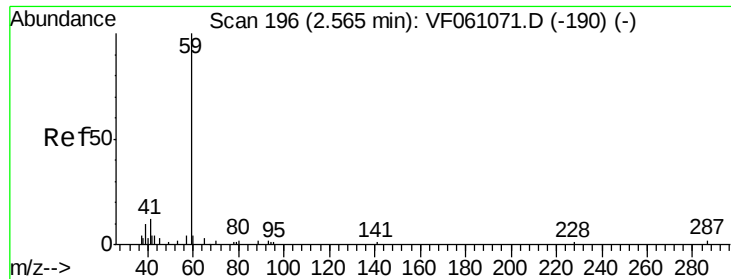
Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	142	Resp:	72069
Ion Ratio	Lower	Upper	
142	100		
127	68.2	54.7	82.1
141	13.4	12.2	18.2





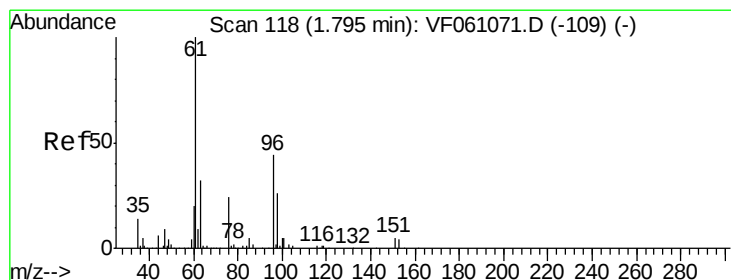
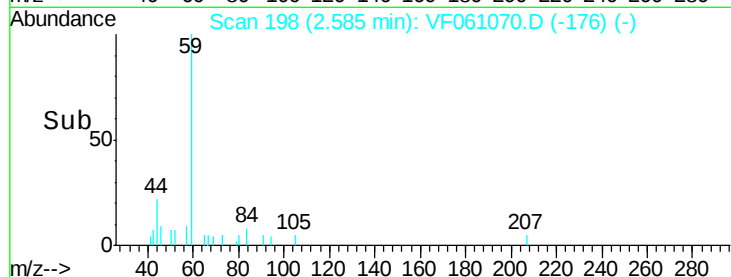
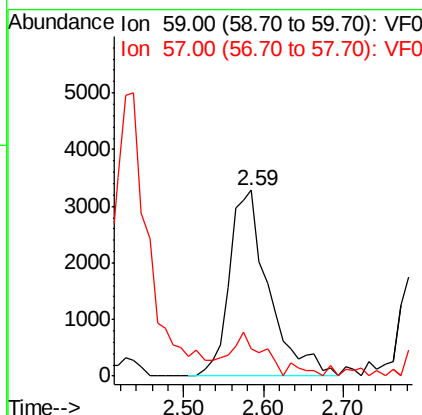
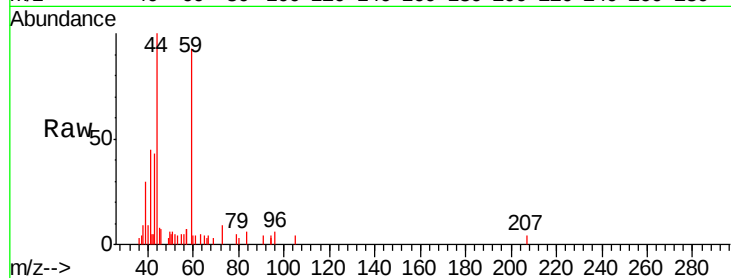
#11
Tert butyl alcohol
Concen: 111.890 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 59 Resp: 11303
Ion Ratio Lower Upper
59 100
57 14.8 11.5 17.3

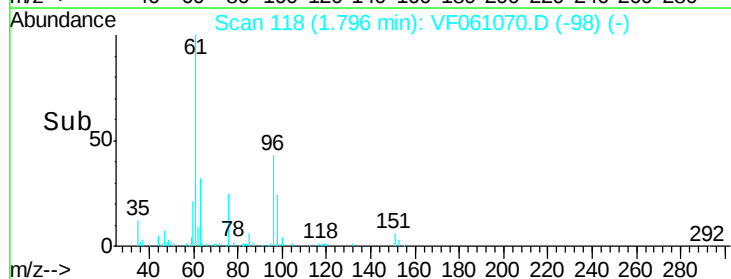
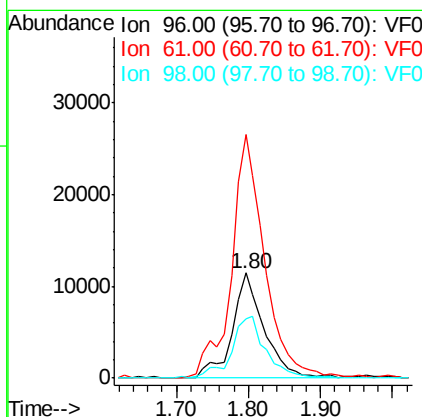
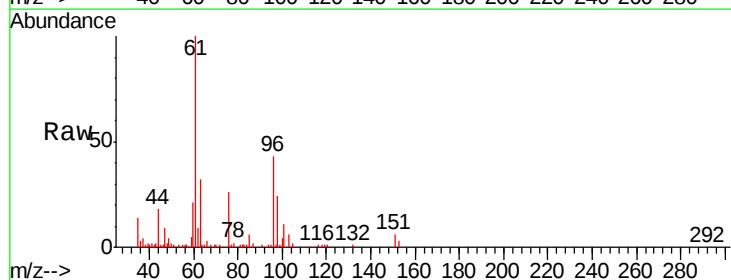
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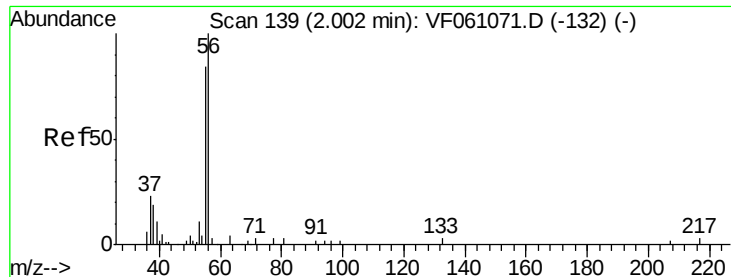
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#12
1,1-Dichloroethene
Concen: 20.951 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion: 96 Resp: 35168
Ion Ratio Lower Upper
96 100
61 231.8 182.0 273.0
98 55.9 46.5 69.7





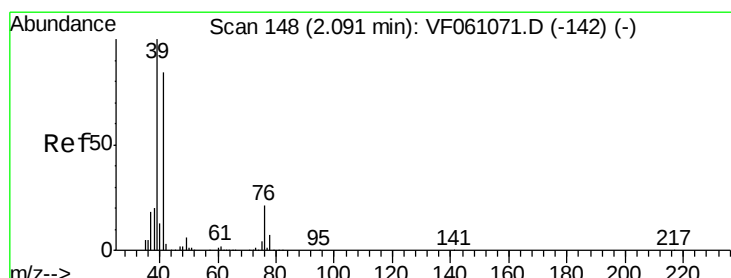
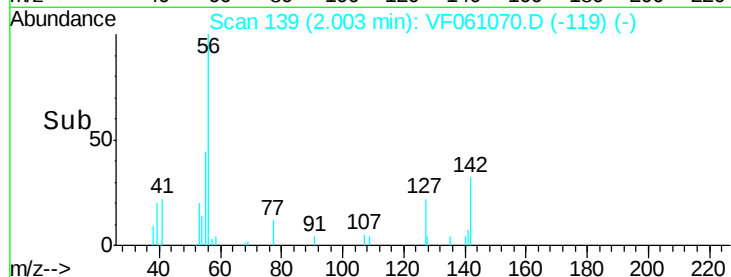
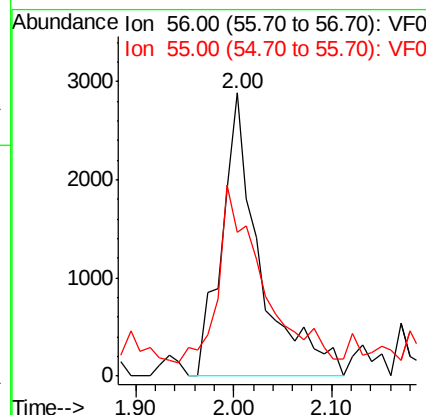
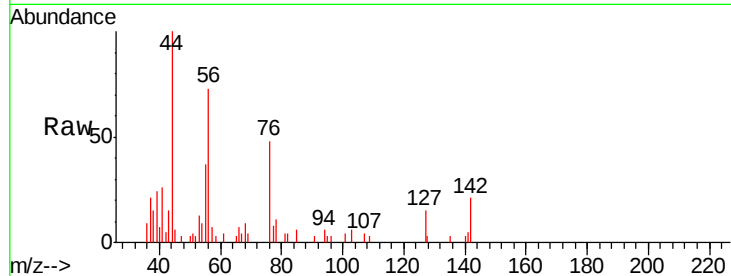
#13
Acrolein
Concen: 88.782 ug/l m
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 7787
Ion Ratio Lower Upper
56 100
55 50.8 70.2 105.2#

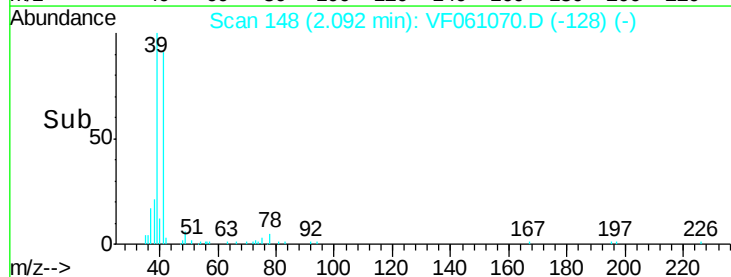
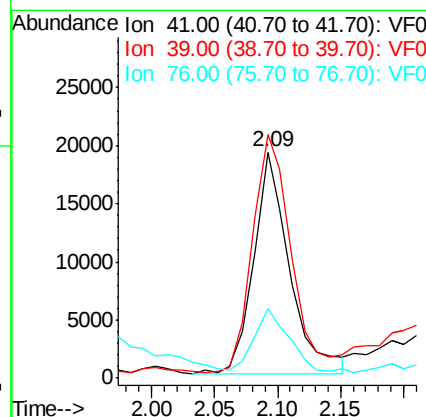
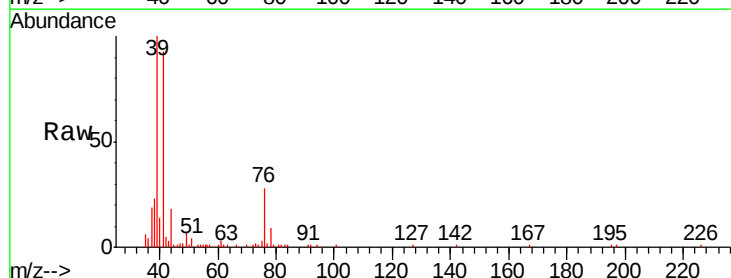
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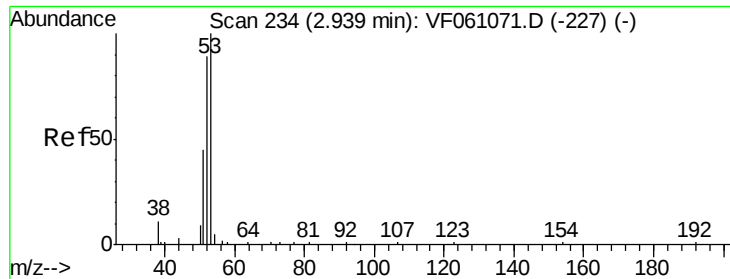
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#14
Allyl chloride
Concen: 19.251 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion: 41 Resp: 37686
Ion Ratio Lower Upper
41 100
39 107.7 96.4 144.6
76 30.7 25.4 38.0





#15

Acrylonitrile

Concen: 113.440 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

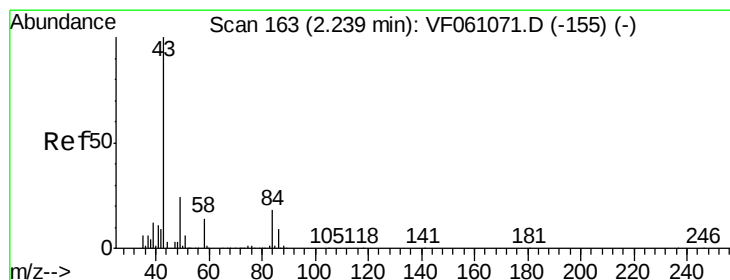
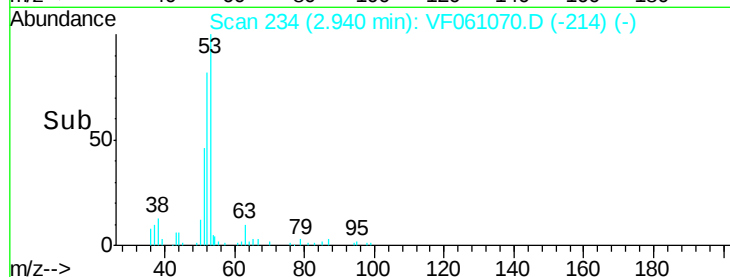
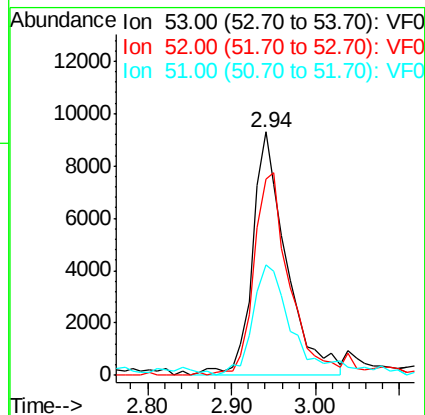
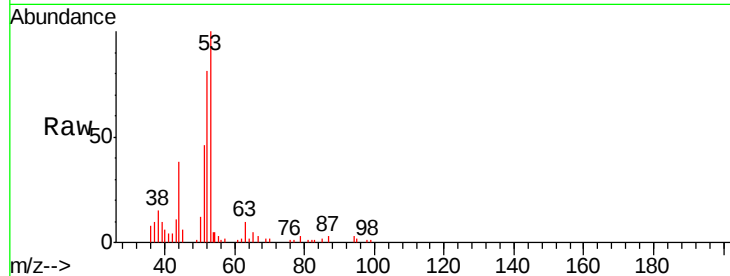
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	26228
Ion	Ratio	Lower	Upper
53	100		
52	80.6	71.3	106.9
51	45.5	36.8	55.2

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#16

Acetone

Concen: 109.552 ug/l

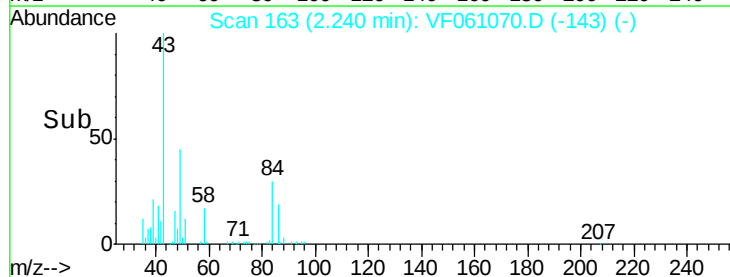
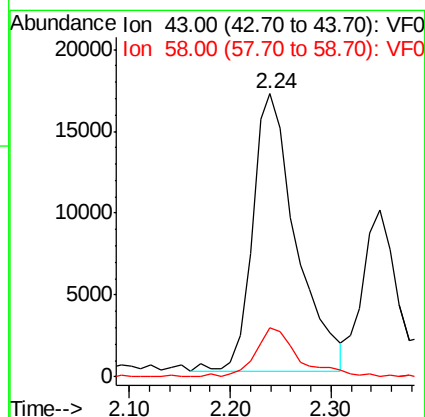
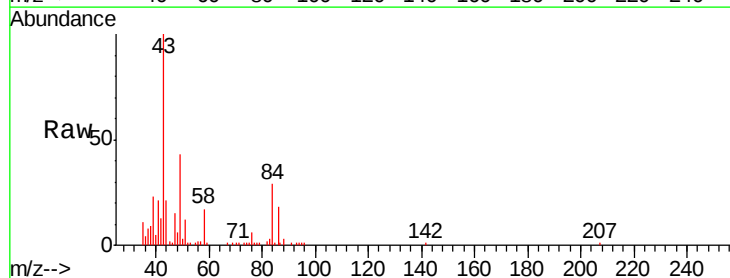
RT: 2.24 min Scan# 163

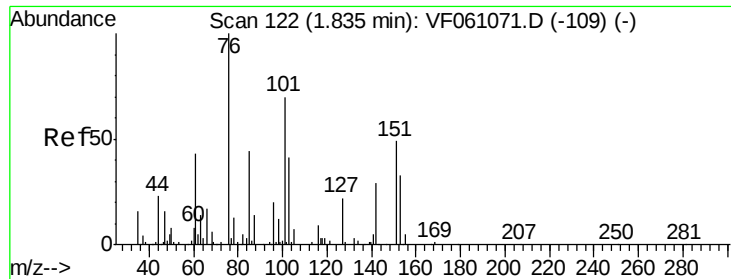
Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	43	Resp:	51194
Ion	Ratio	Lower	Upper
43	100		
58	17.3	11.1	16.7#





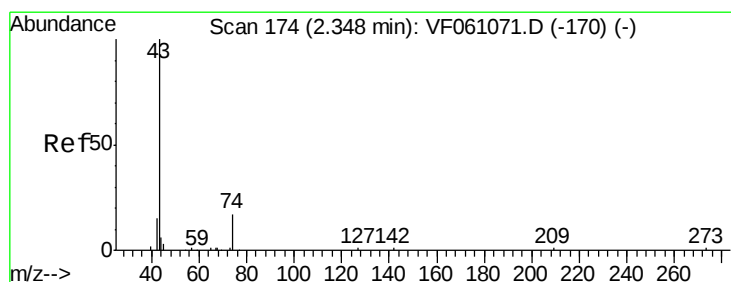
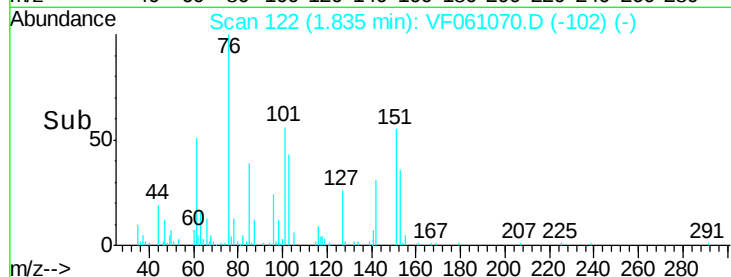
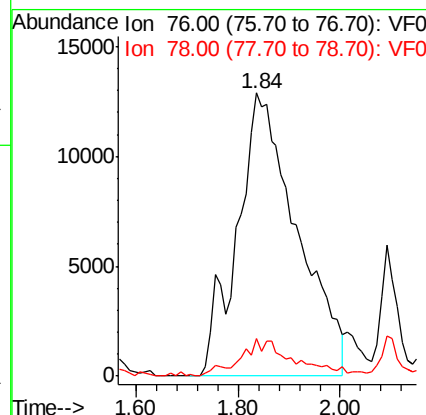
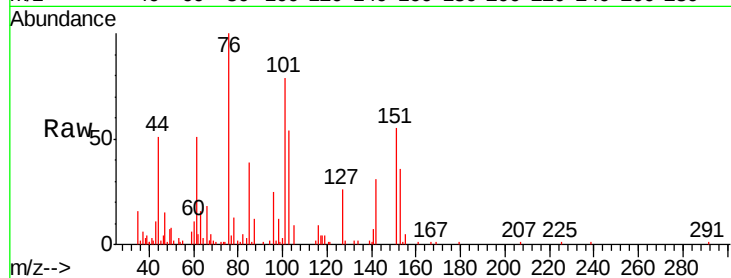
#17
Carbon Disulfide
Concen: 22.747 ug/l m
RT: 1.84 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 104709
Ion Ratio Lower Upper
76 100
78 13.4 10.2 15.4

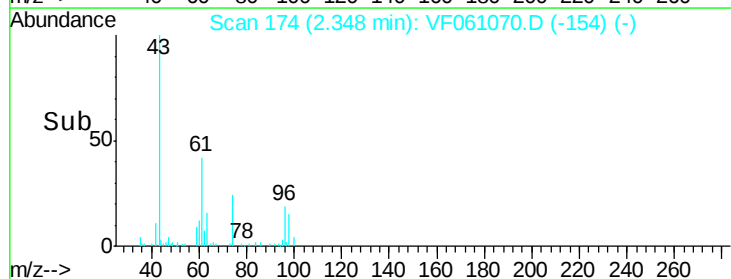
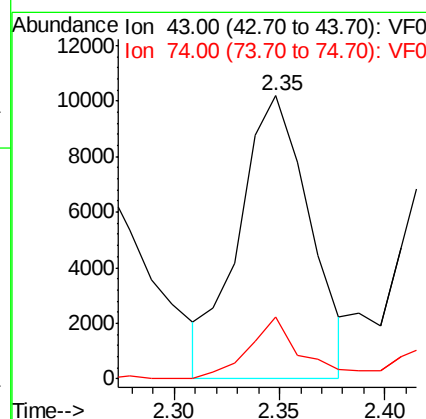
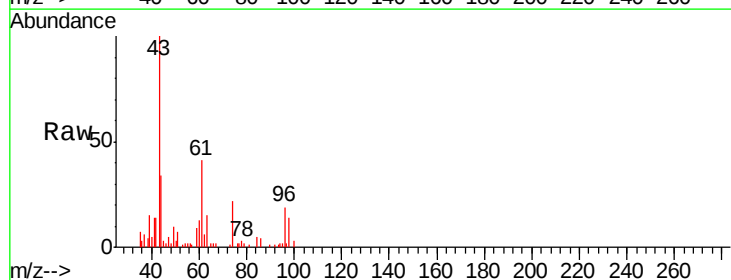
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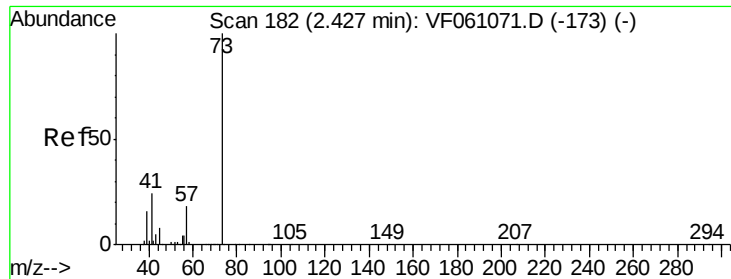
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#18
Methyl Acetate
Concen: 27.466 ug/l m
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion: 43 Resp: 23768
Ion Ratio Lower Upper
43 100
74 22.0 11.0 16.6#





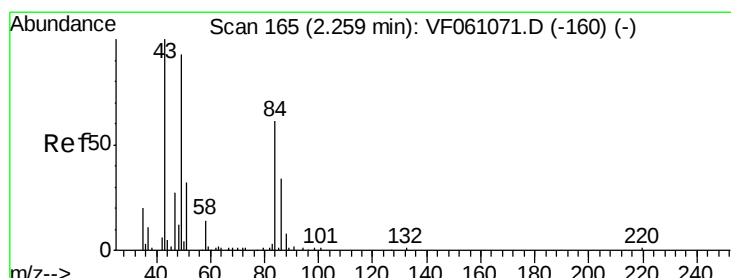
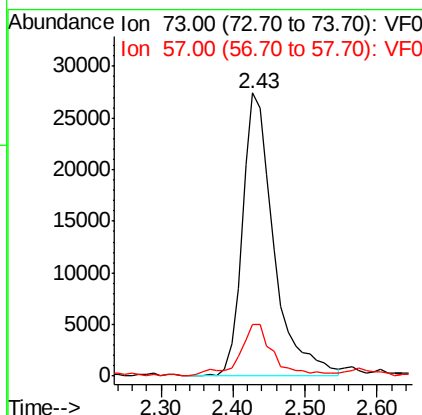
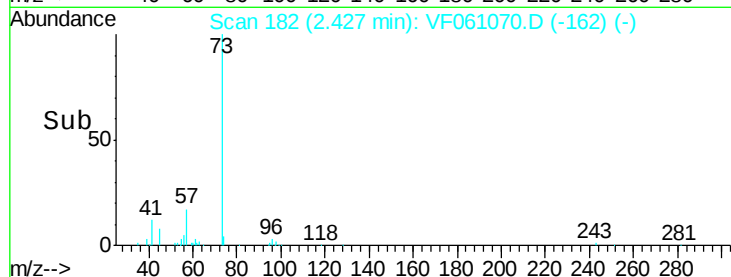
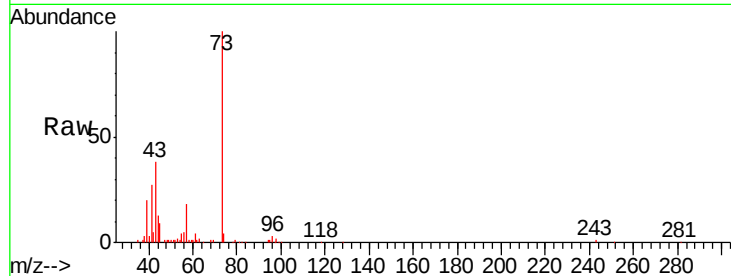
#19
Methyl tert-butyl Ether
Concen: 22.231 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.1	14.5	21.7

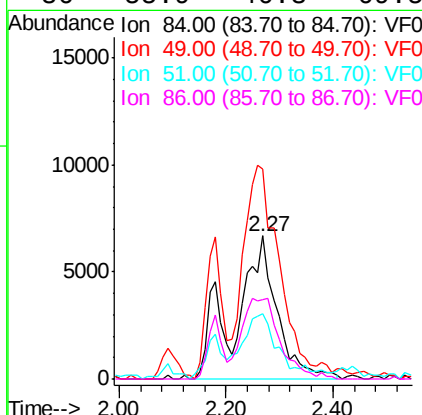
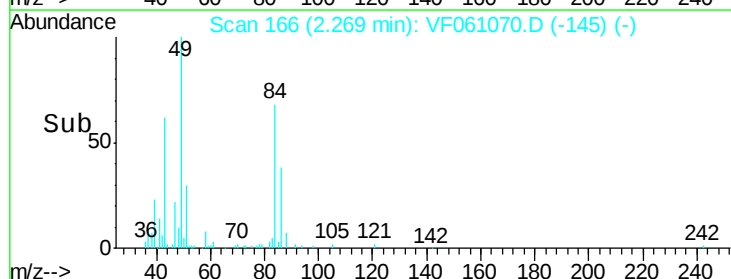
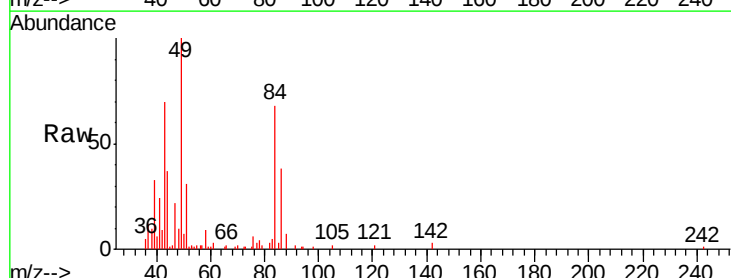
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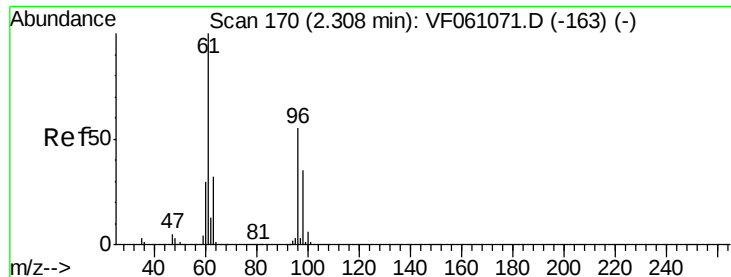
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#20
Methylene Chloride
Concen: 22.690 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.9	129.4	194.2
51	45.3	44.0	66.0
86	55.9	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 23.485 ug/l m

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

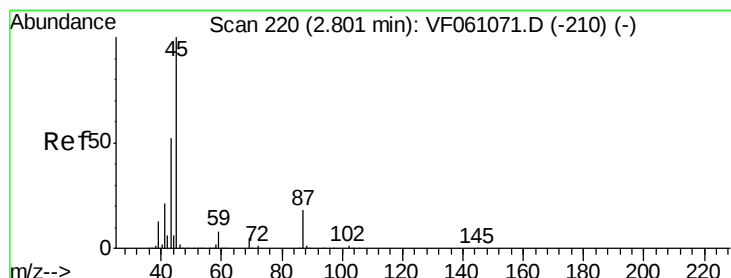
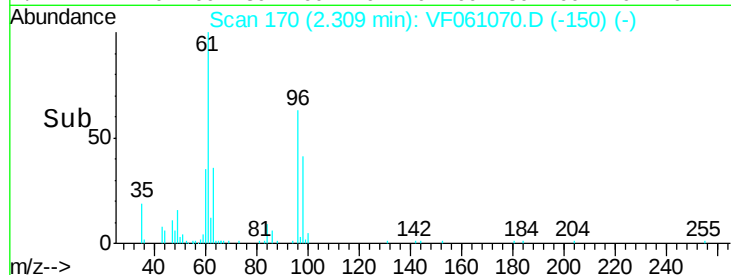
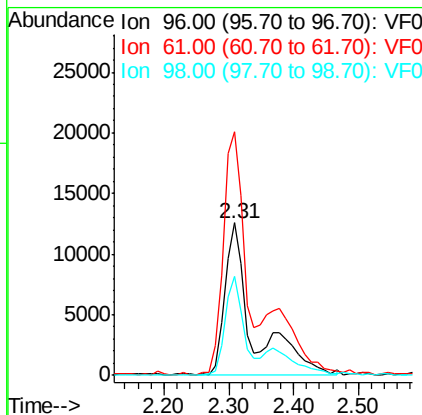
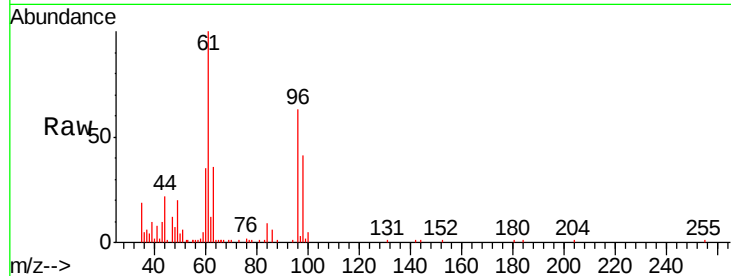
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	38016
Ion	Ratio	Lower	Upper
96	100		
61	159.9	146.0	219.0
98	65.2	51.6	77.4

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#22

Diisopropyl ether

Concen: 22.644 ug/l

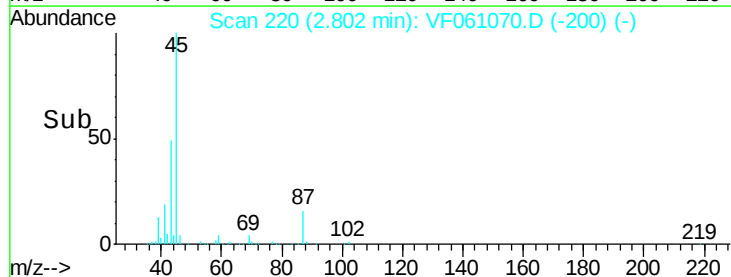
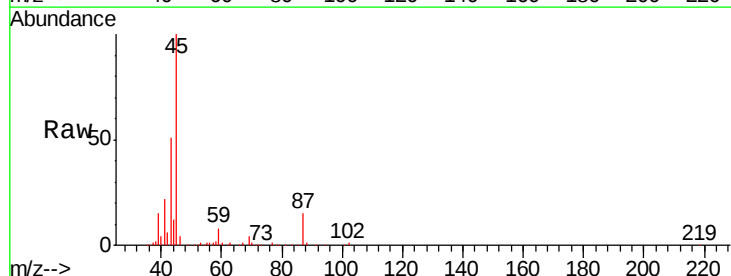
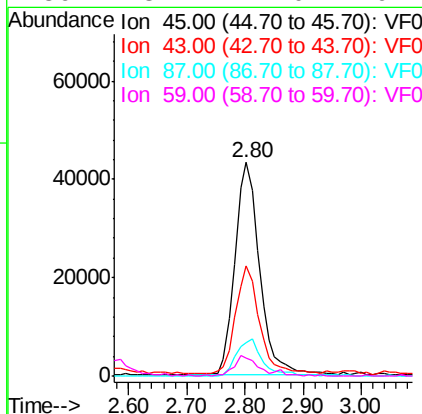
RT: 2.80 min Scan# 220

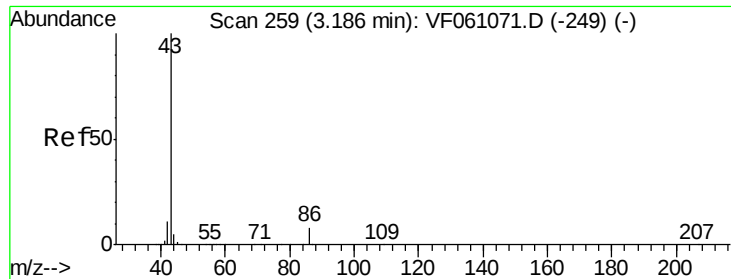
Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	45	Resp:	128390
Ion	Ratio	Lower	Upper
45	100		
43	51.3	42.2	63.2
87	15.5	14.6	22.0
59	8.2	7.0	10.4





#23

Vinyl Acetate

Concen: 117.178 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

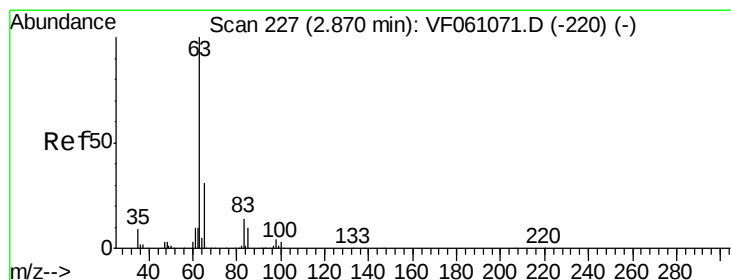
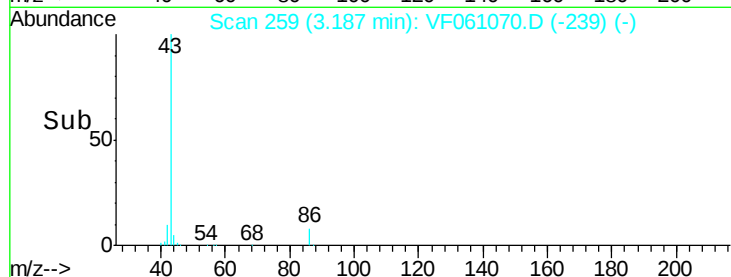
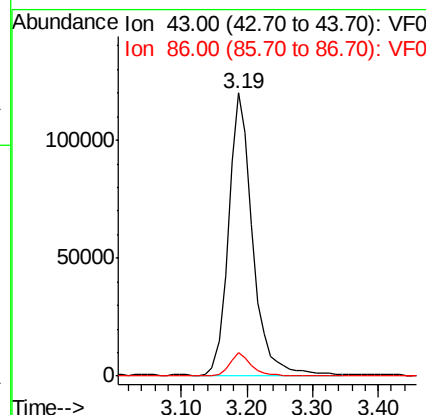
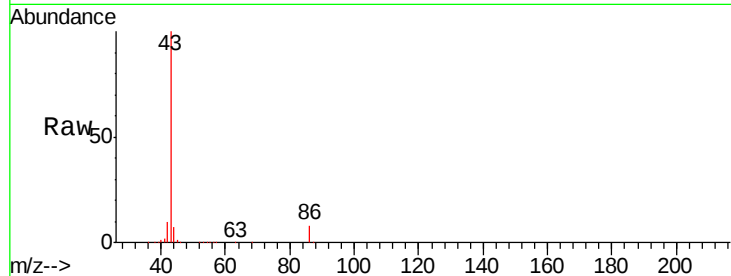
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	304931		
86	8.3	6.3	9.5	

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#24

1,1-Dichloroethane

Concen: 22.686 ug/l

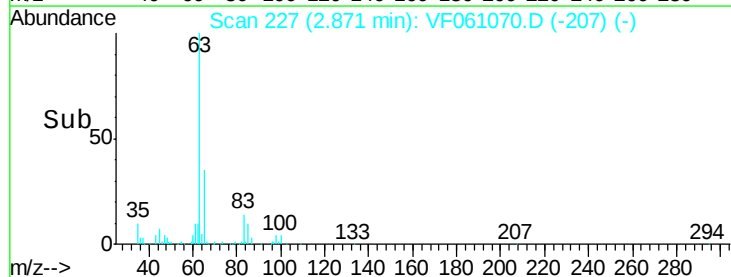
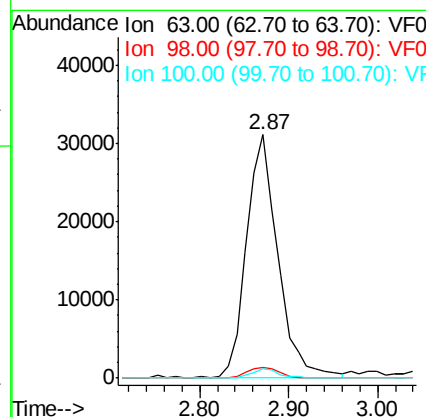
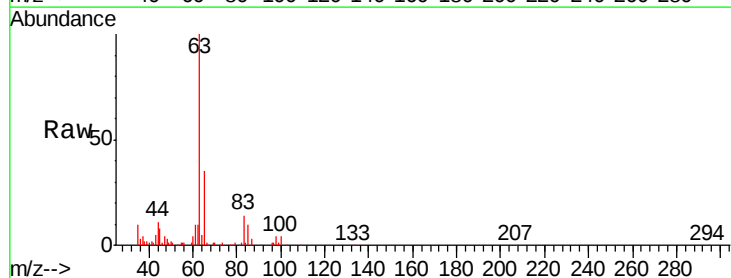
RT: 2.87 min Scan# 227

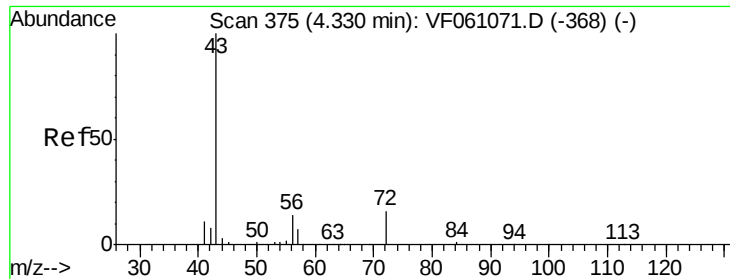
Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	76419		
98	4.2	2.1	6.5	
100	4.0	1.7	5.1	





#25

2-Butanone

Concen: 105.257 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 83204

Ion Ratio Lower Upper

43 100

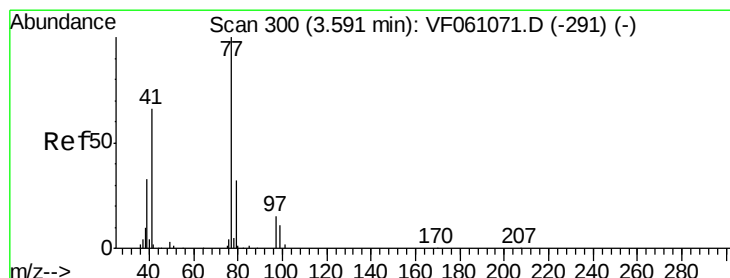
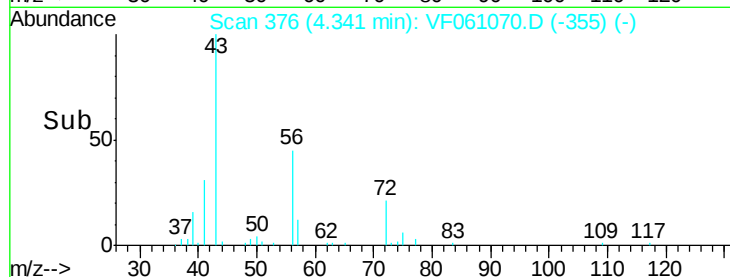
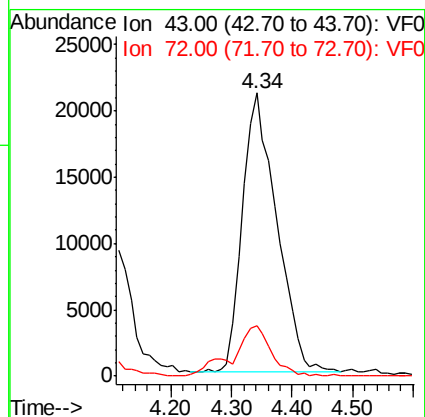
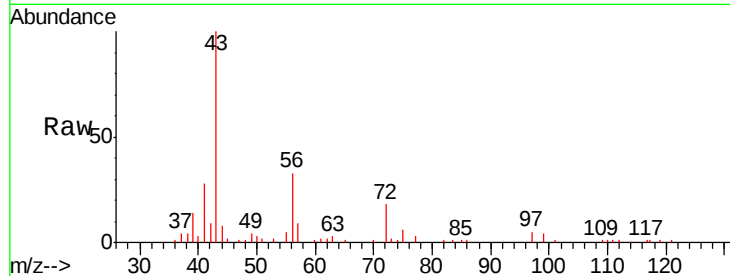
72 17.9 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 20.157 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061070.D

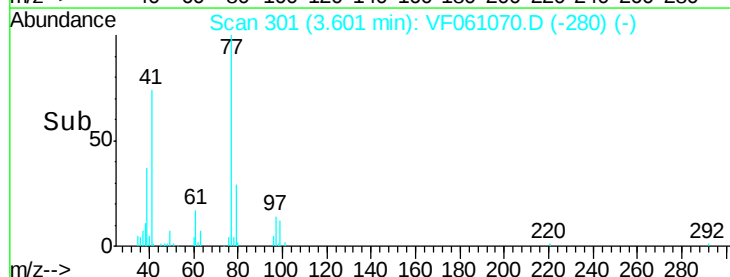
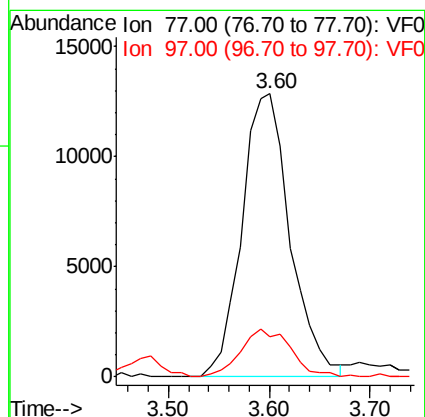
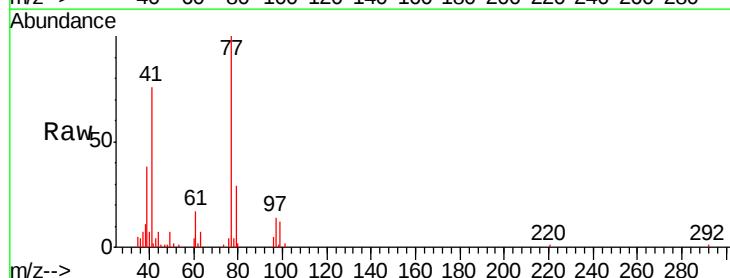
Acq: 18 Dec 2018 19:22

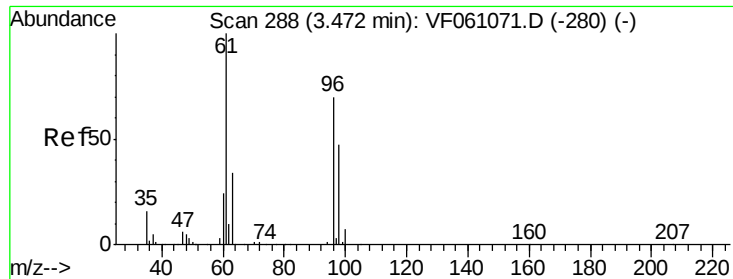
Tgt Ion: 77 Resp: 42947

Ion Ratio Lower Upper

77 100

97 14.0 8.2 24.4





#27

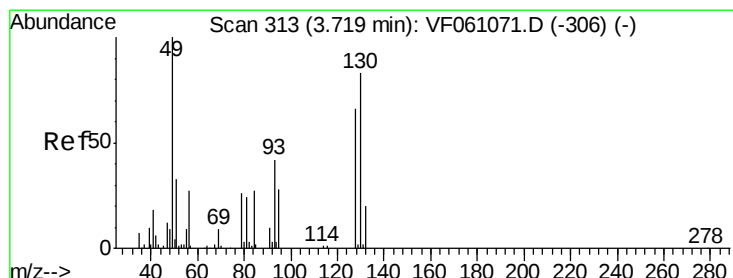
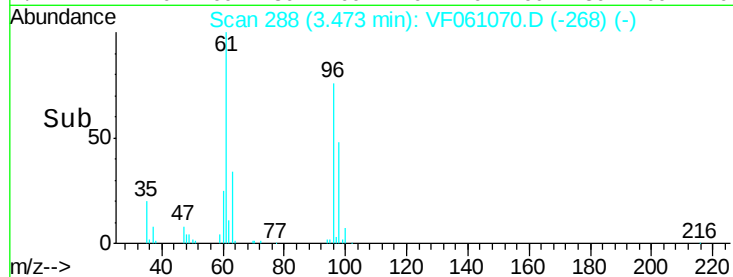
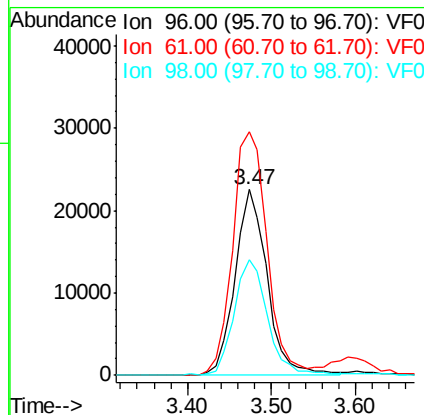
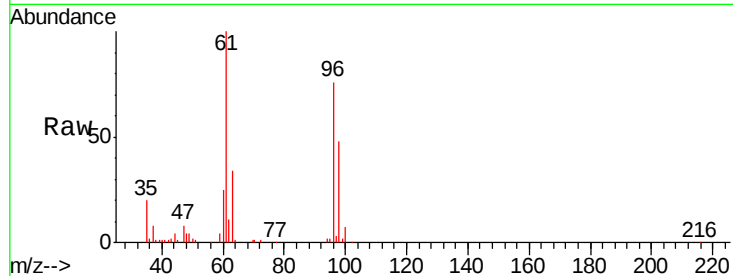
cis-1,2-Dichloroethene
Concen: 22.944 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	131.3	0.0	287.8
98	62.4	0.0	134.2

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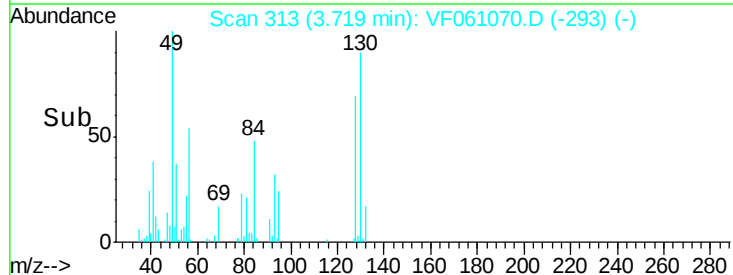
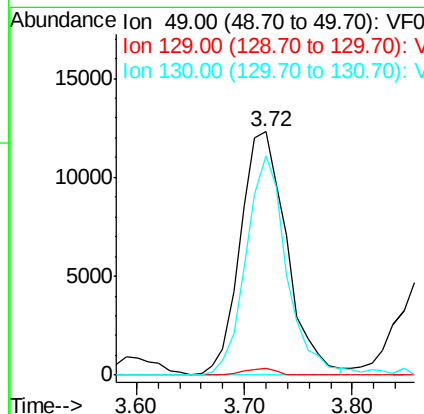
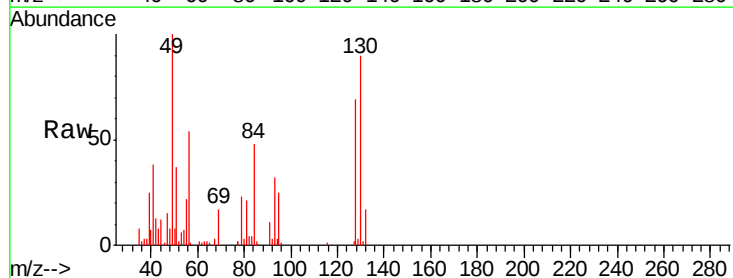
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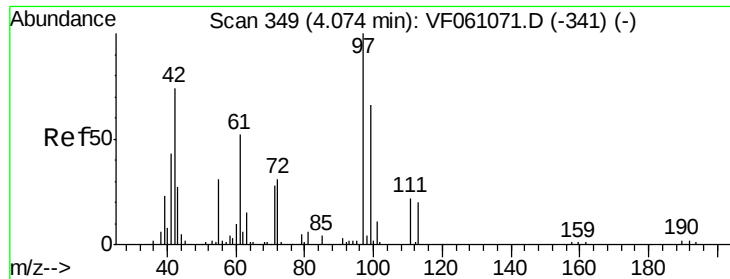


#28

Bromochloromethane
Concen: 22.308 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	2.8	0.0	3.6
130	90.1	65.8	98.6





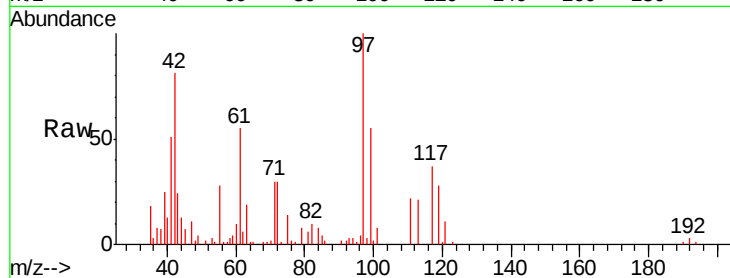
#29
Tetrahydrofuran
Concen: 100.632 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

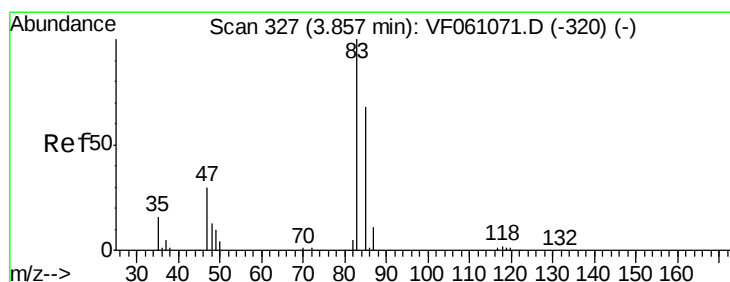
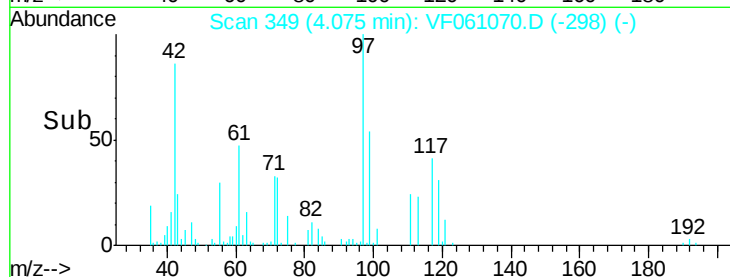
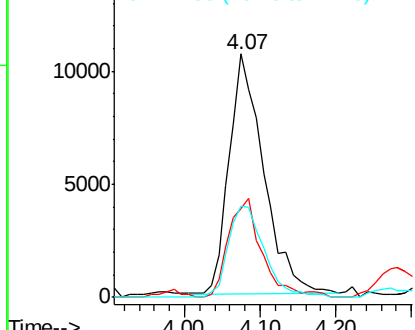
Tgt Ion:	42	Resp:	33548
Ion Ratio		Lower	Upper
42	100		
72	40.1	31.8	47.8
71	39.5	29.7	44.5

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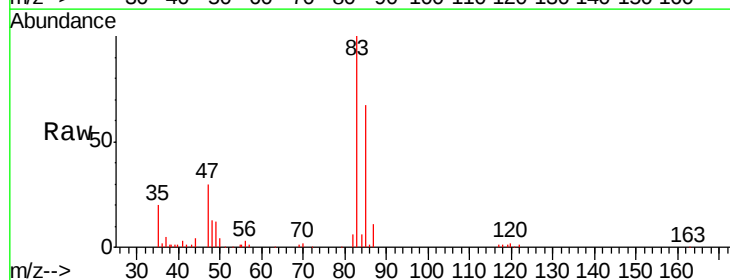


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

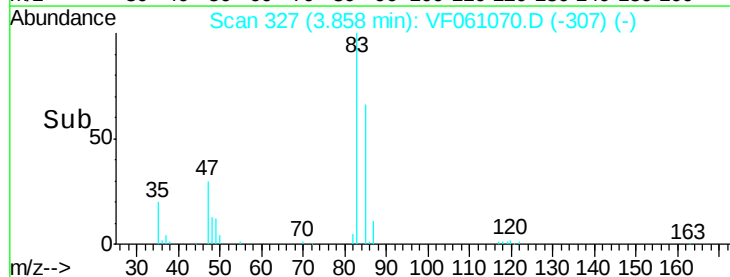
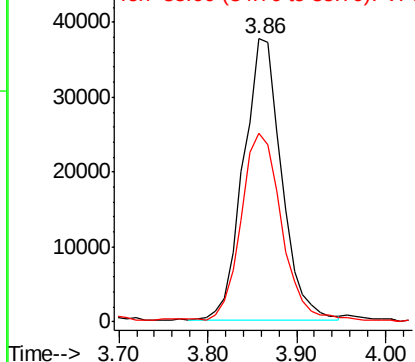


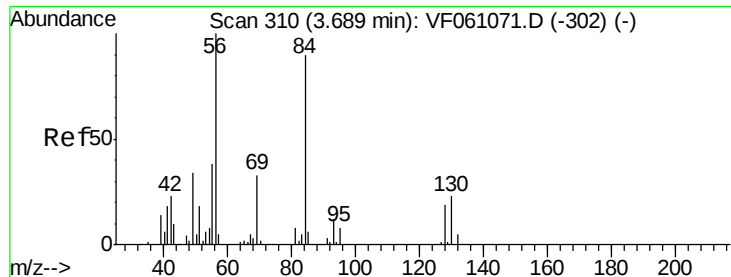
#30
Chloroform
Concen: 21.287 ug/l
RT: 3.86 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion:	83	Resp:	110710
Ion Ratio		Lower	Upper
83	100		
85	66.6	54.5	81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.896 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 77359

Ion Ratio Lower Upper

56 100

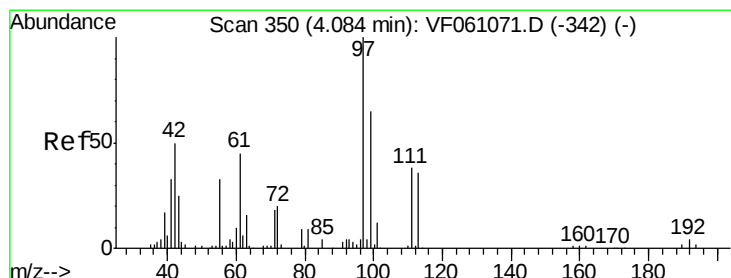
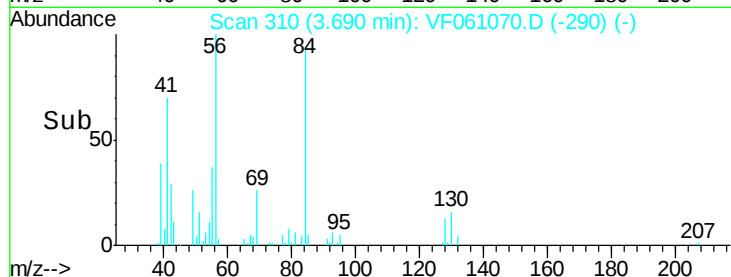
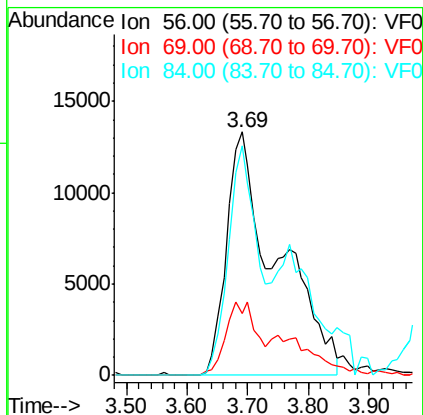
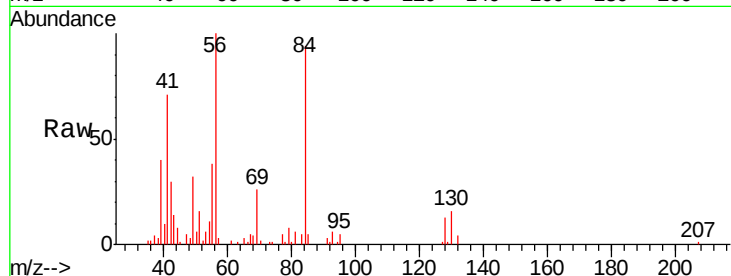
69 25.6 26.0 39.0#

84 94.1 71.4 107.2

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#32

1,1,1-Trichloroethane

Concen: 19.473 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

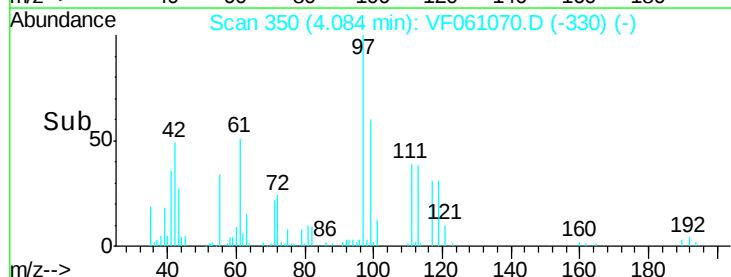
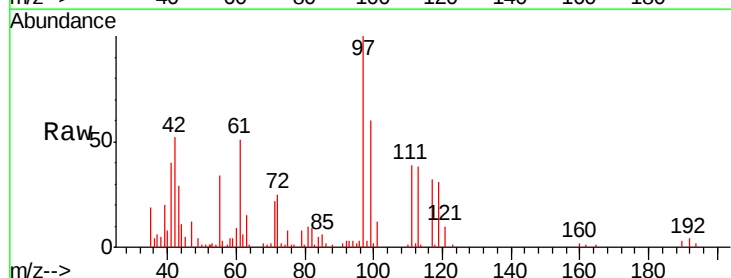
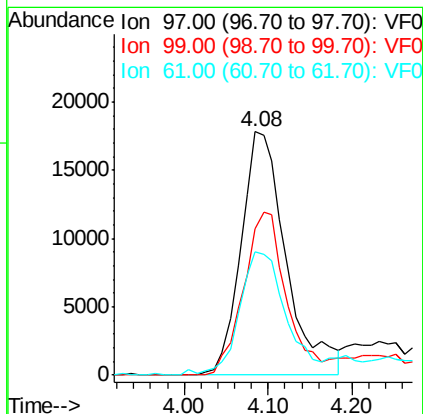
Tgt Ion: 97 Resp: 67039

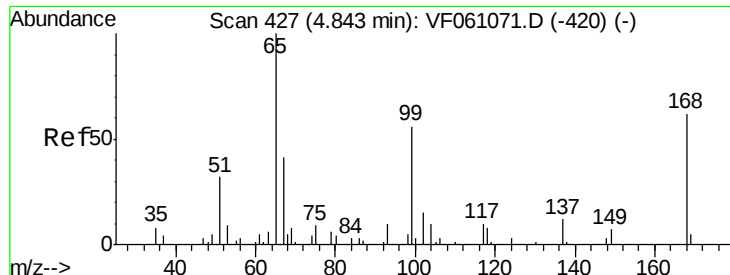
Ion Ratio Lower Upper

97 100

99 60.0 51.6 77.4

61 50.6 36.2 54.2





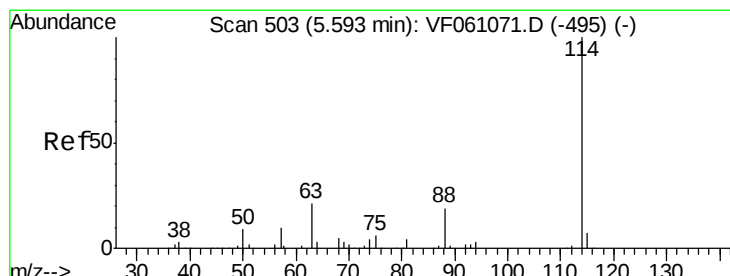
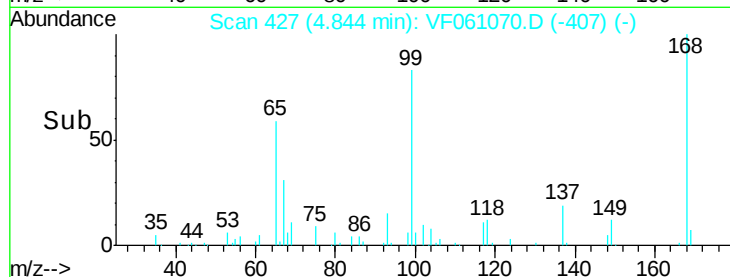
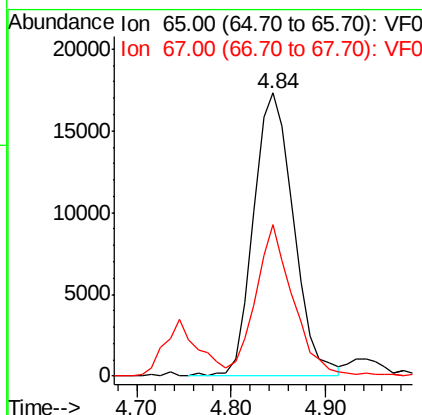
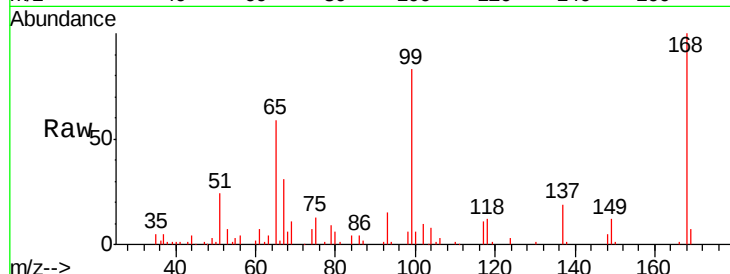
#33
 1,2-Dichloroethane-d4
 Concen: 20.947 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	51034		
67	53.4	0.0	94.6	

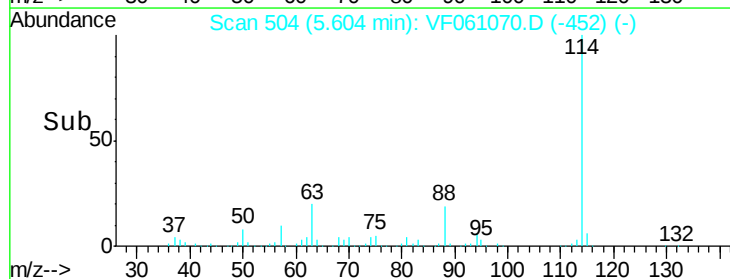
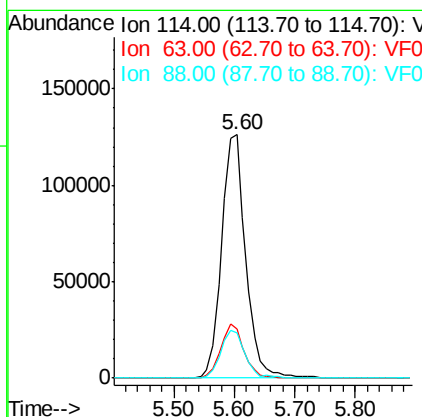
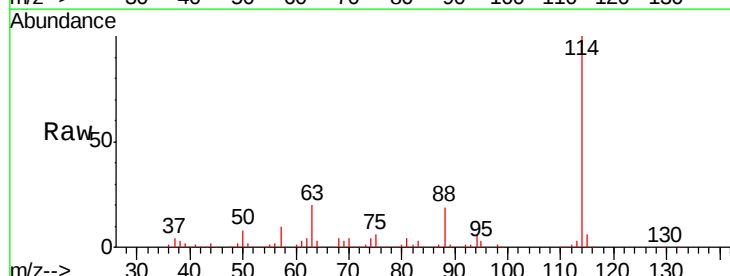
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	349252		
63	20.1	0.0	41.6	
88	18.6	0.0	38.0	





#35

Dibromofluoromethane

Concen: 20.978 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

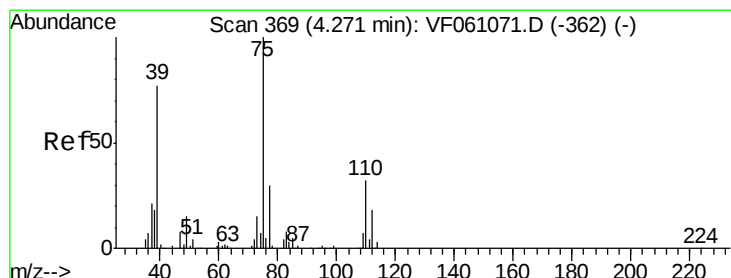
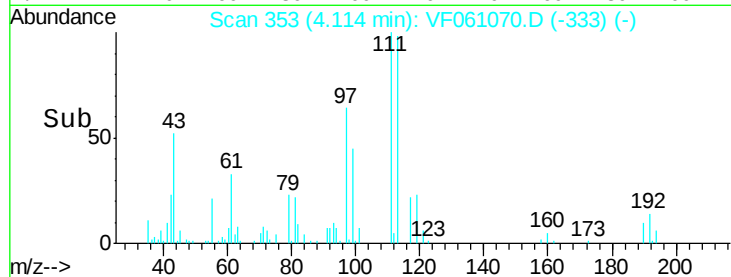
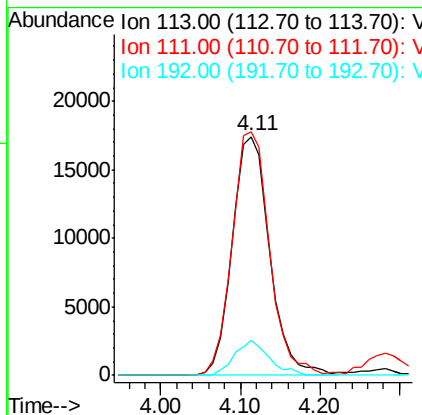
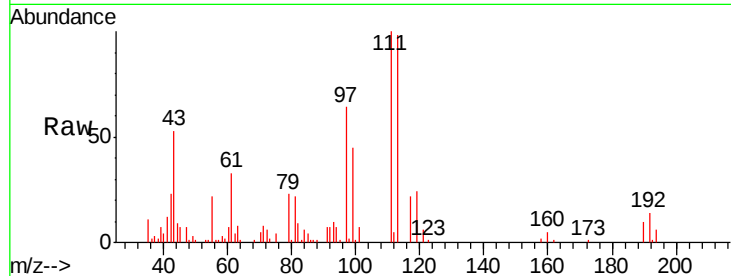
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	57052
Ion	Ratio	Lower	Upper
113	100		
111	101.8	85.2	127.8
192	15.4	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 21.056 ug/l

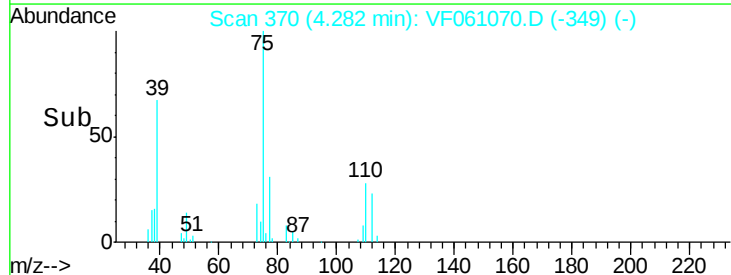
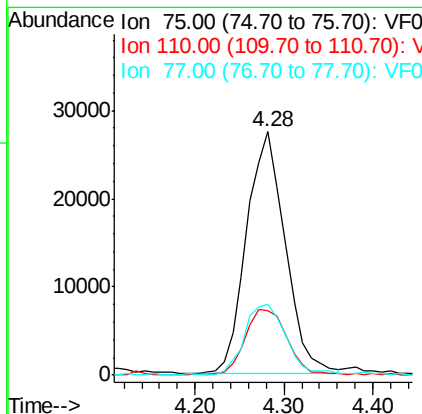
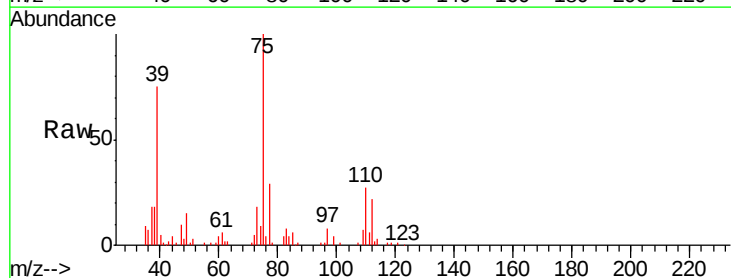
RT: 4.28 min Scan# 370

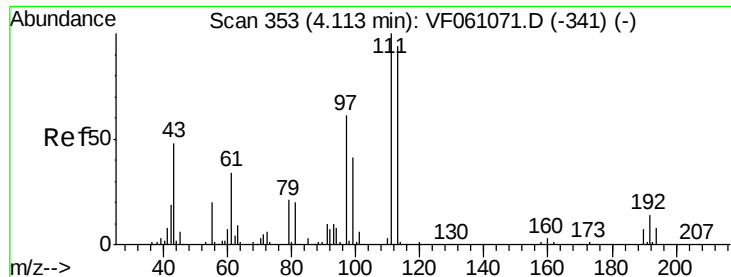
Delta R.T. 0.01 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	75	Resp:	82346
Ion	Ratio	Lower	Upper
75	100		
110	26.5	16.1	48.2
77	28.9	24.5	36.7





#37

Ethyl Acetate

Concen: 21.951 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

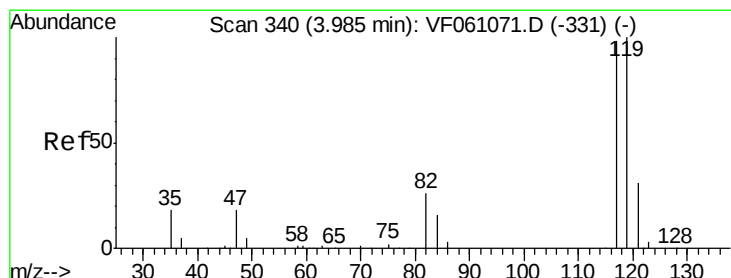
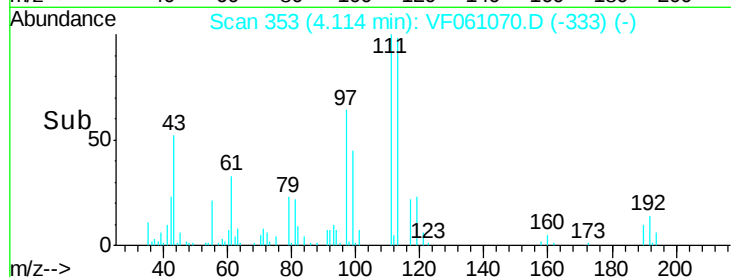
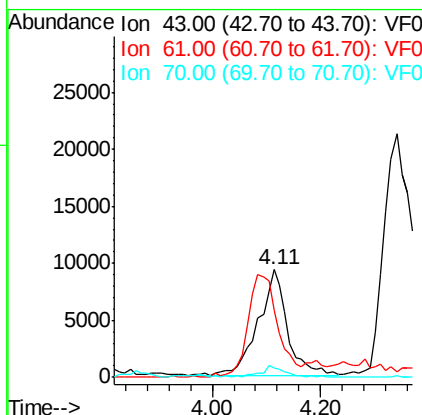
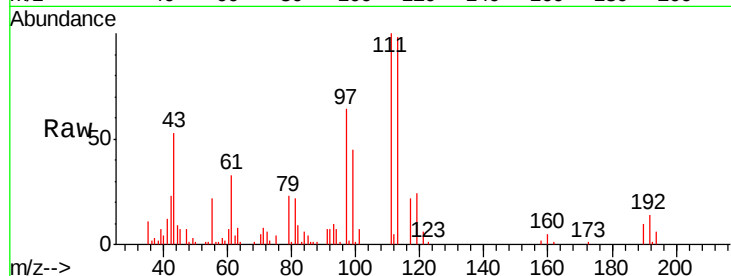
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	34678
Ion Ratio	Lower	Upper	
43	100		
61	62.3	56.6	84.8
70	8.9	6.3	9.5

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#38

Carbon Tetrachloride

Concen: 19.359 ug/l

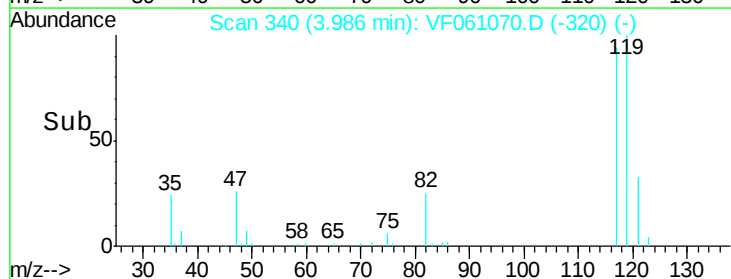
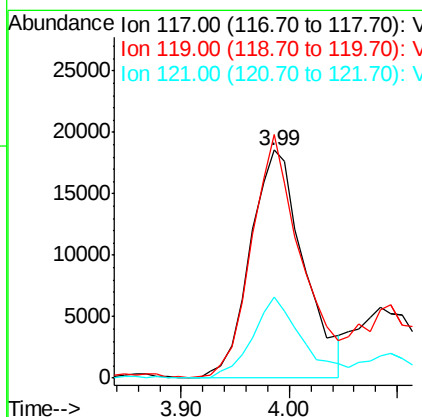
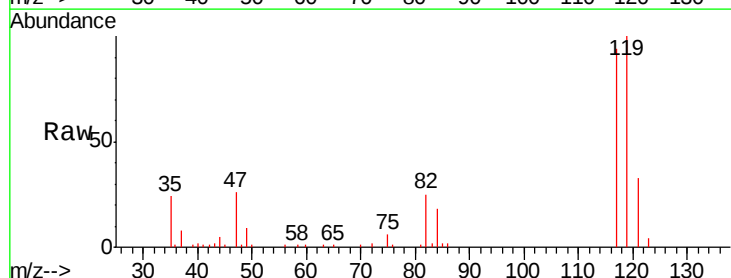
RT: 3.99 min Scan# 340

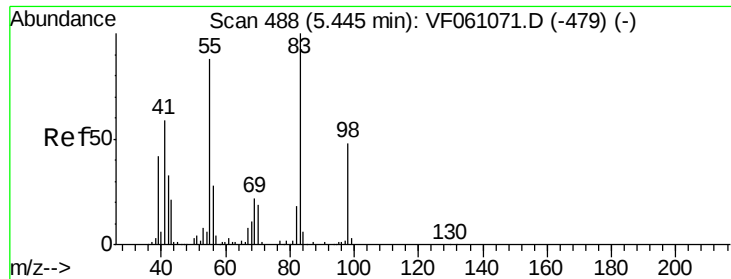
Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	117	Resp:	64106
Ion Ratio	Lower	Upper	
117	100		
119	106.8	82.1	123.1
121	35.7	25.5	38.3





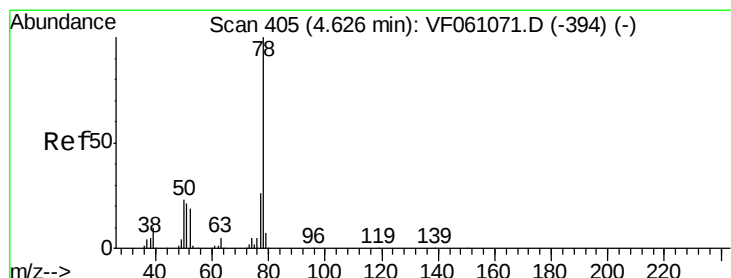
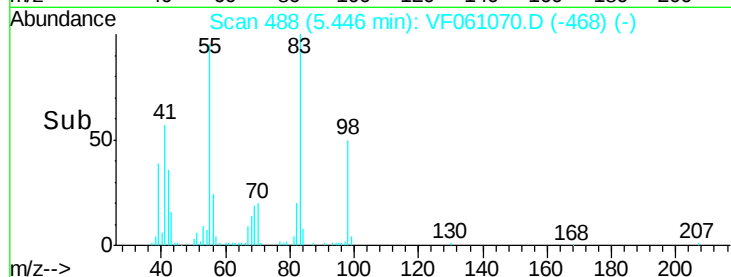
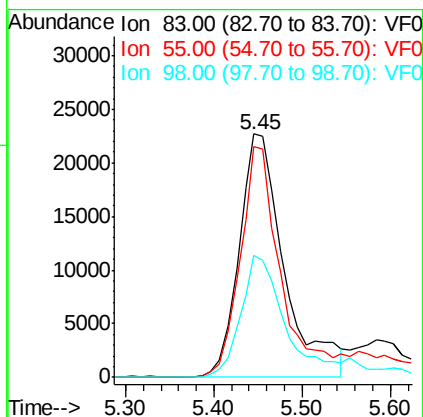
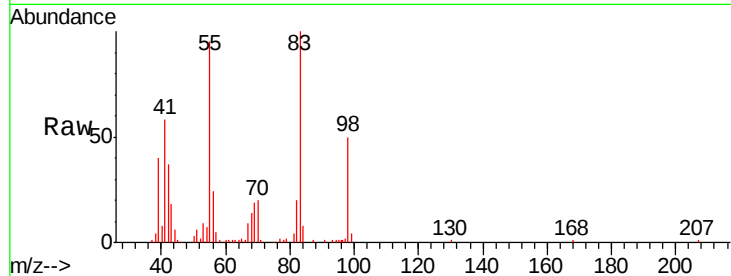
#39
Methylcyclohexane
Concen: 19.935 ug/l m
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	95.0	70.6	105.8
98	50.3	38.5	57.7

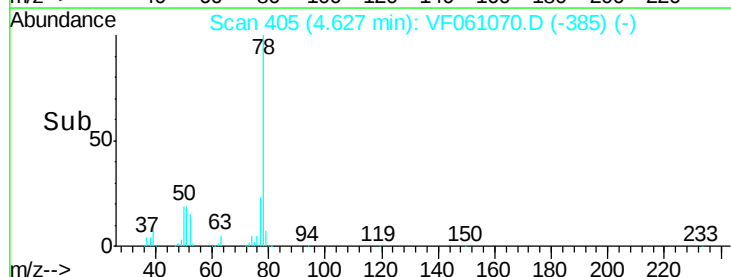
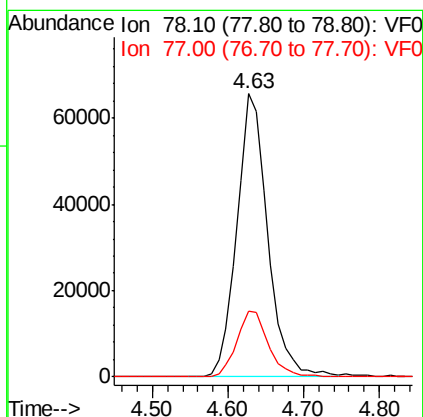
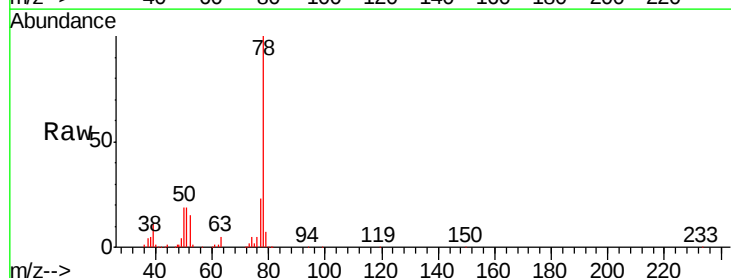
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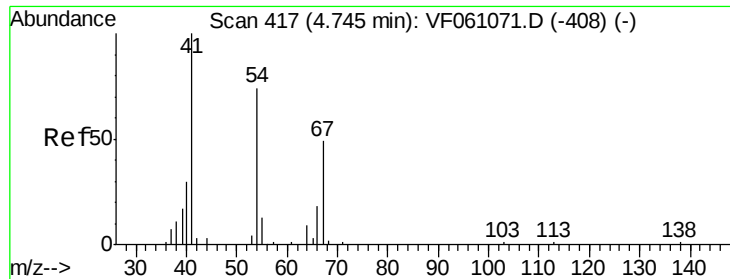
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#40
Benzene
Concen: 21.532 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.7	31.1





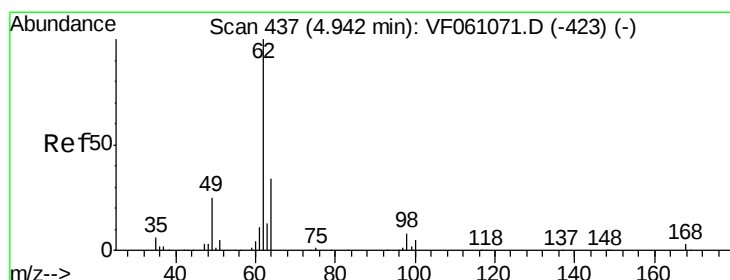
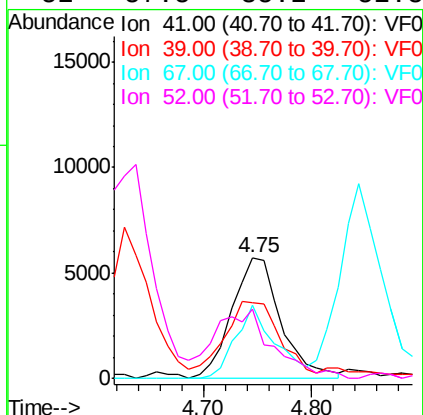
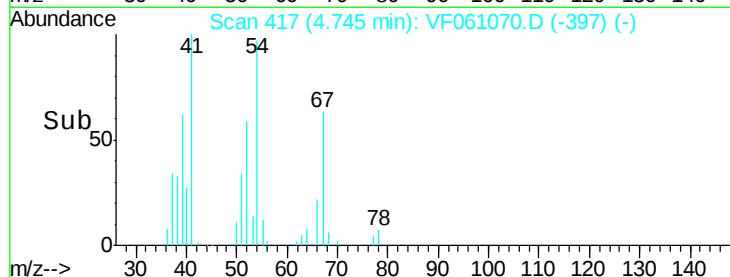
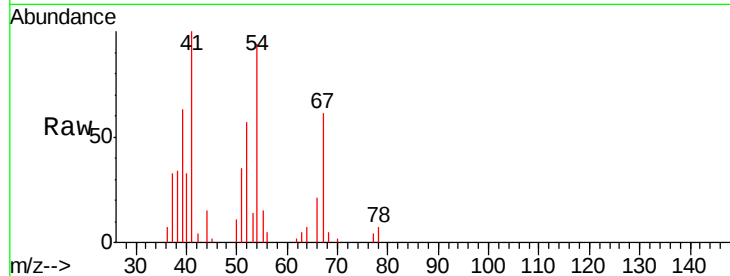
#41
Methacrylonitrile
Concen: 19.269 ug/l
RT: 4.75 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.5	45.7	68.5	
67	61.1	38.9	58.3	
52	57.5	35.2	52.8	

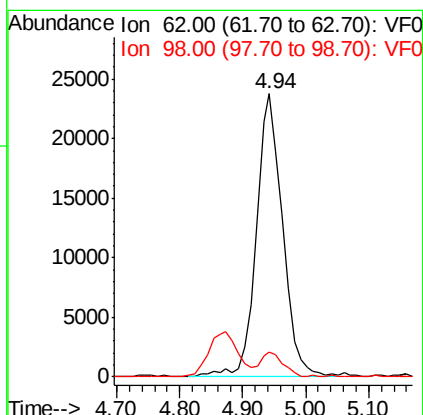
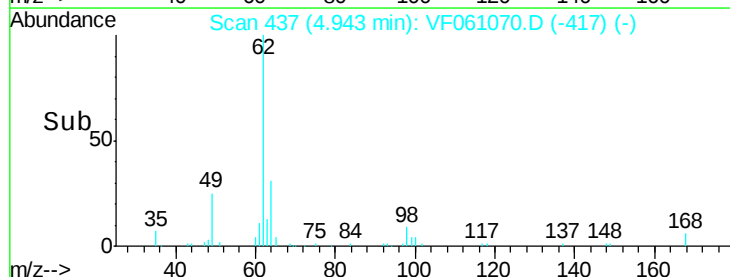
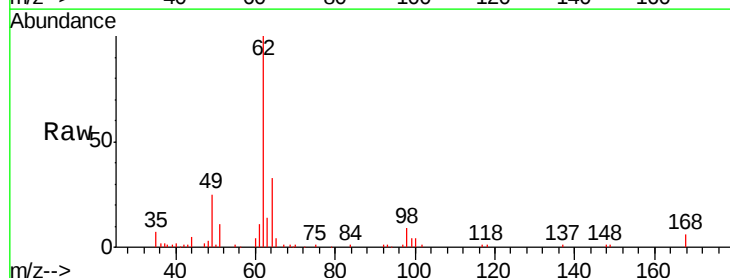
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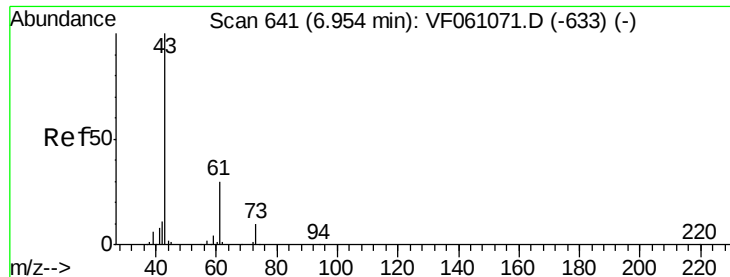
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#42
1,2-Dichloroethane
Concen: 22.113 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.6	





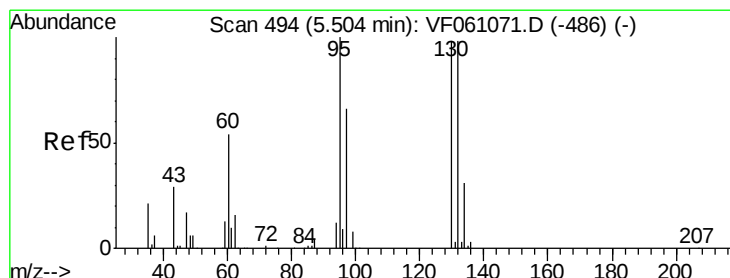
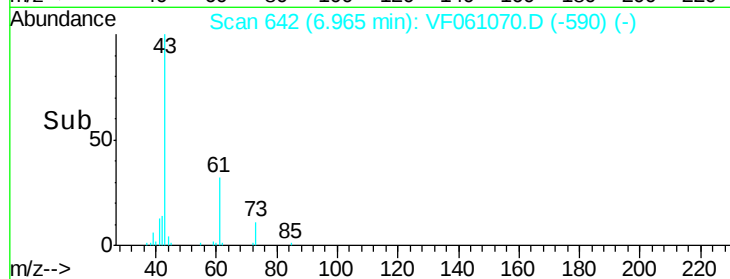
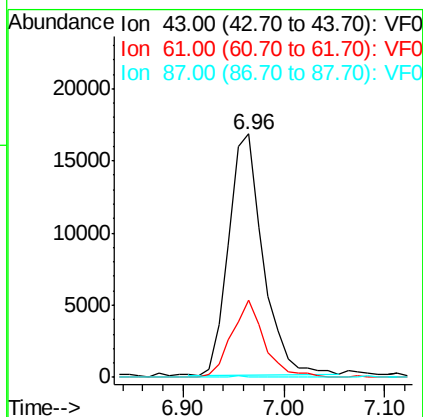
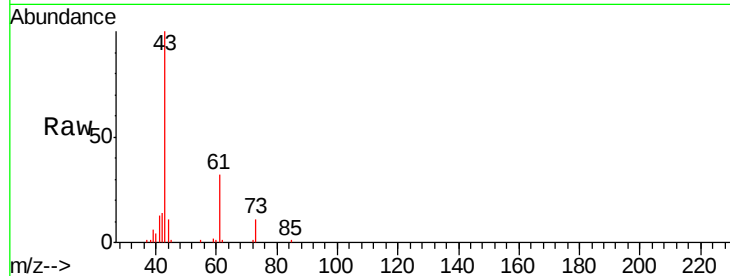
#43
Isopropyl Acetate
Concen: 18.836 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.7	23.8	35.8
87	0.0	0.0	0.0

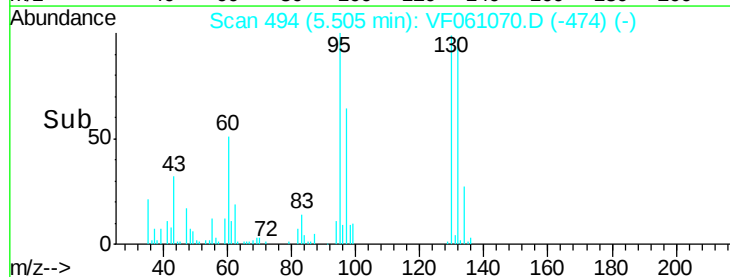
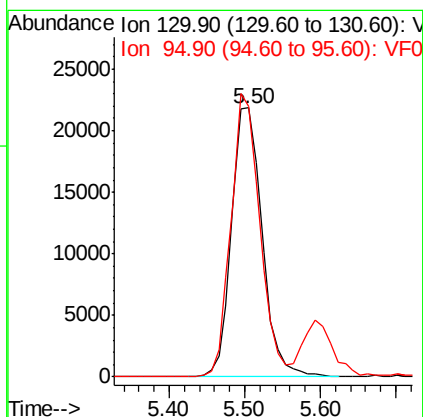
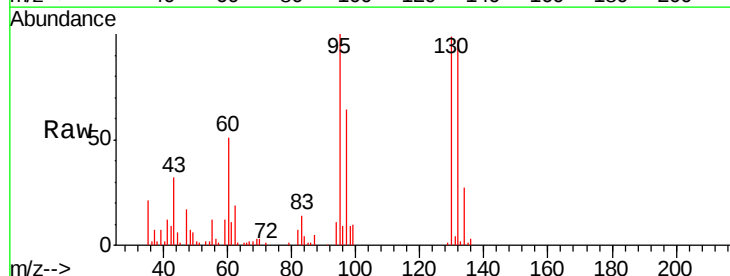
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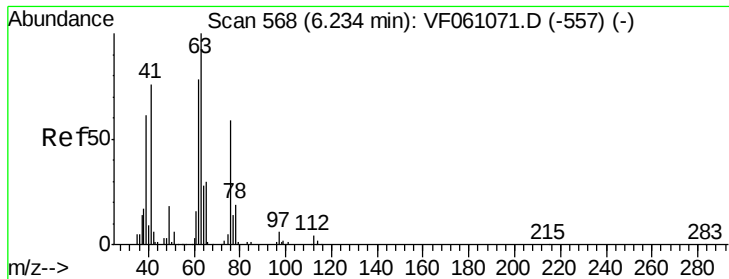
apatel
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#44
Trichloroethene
Concen: 21.835 ug/l
RT: 5.50 min Scan# 494
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	205.2





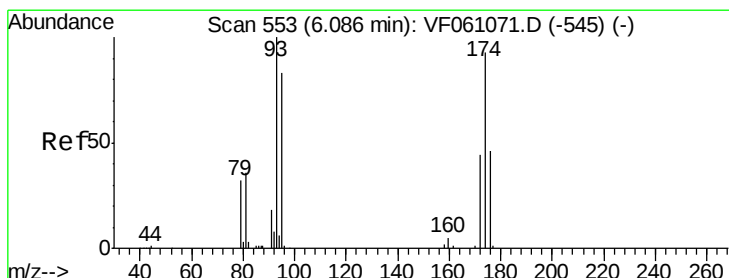
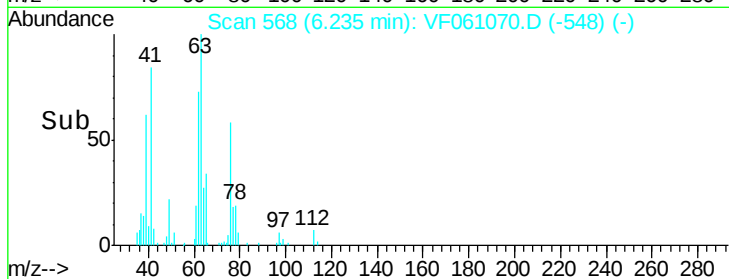
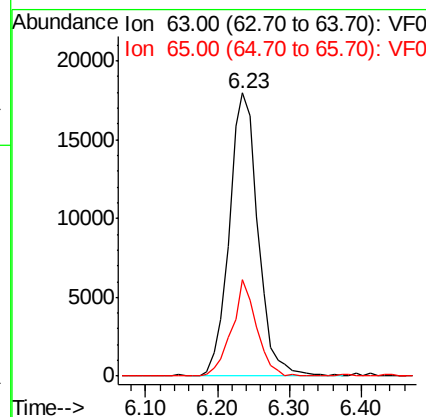
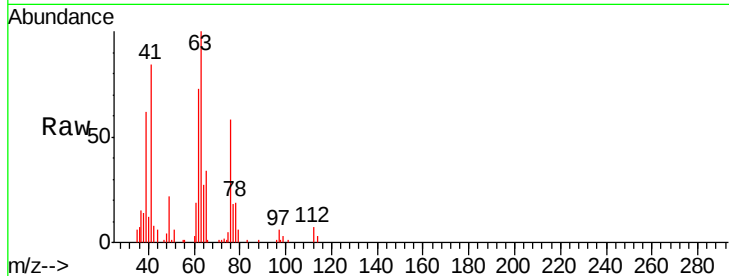
#45
 1,2-Dichloropropane
 Concen: 22.399 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	34.3	24.4	36.6

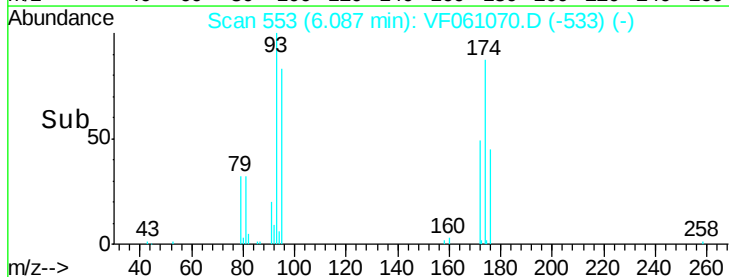
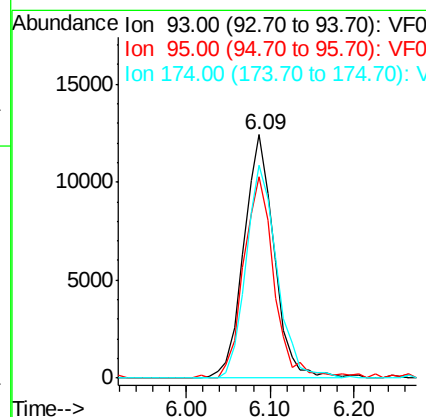
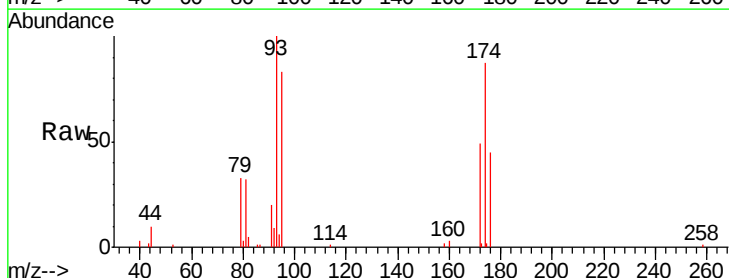
Manual Integrations
 APPROVED

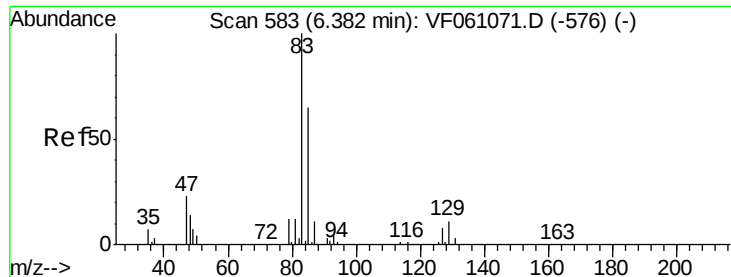
apatel
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#46
 Dibromomethane
 Concen: 20.810 ug/l
 RT: 6.09 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.9	100.3
174	89.5	74.1	111.1





#47

Bromodichloromethane

Concen: 21.271 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

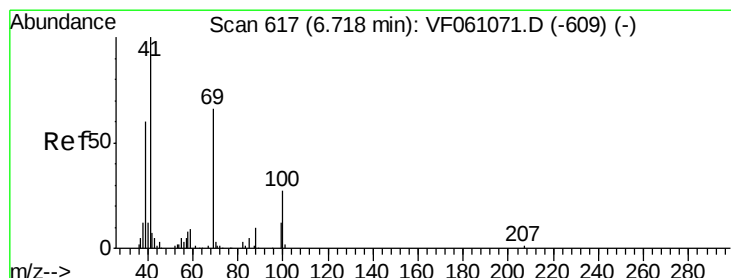
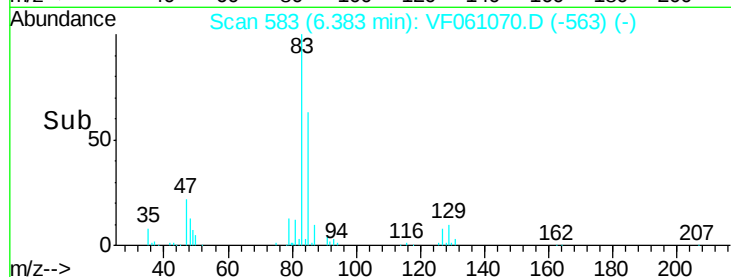
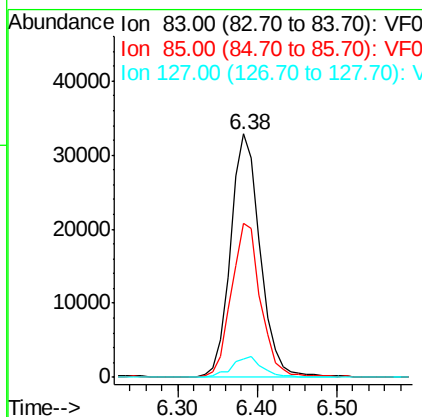
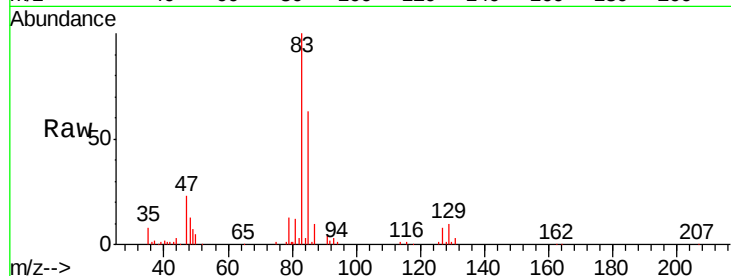
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	85368
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.4
127	7.7	6.1	9.1

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#48

Methyl methacrylate

Concen: 20.150 ug/l

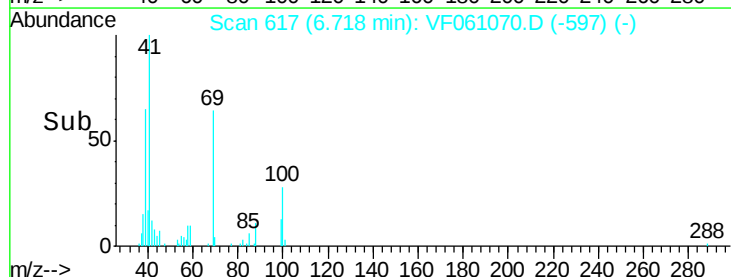
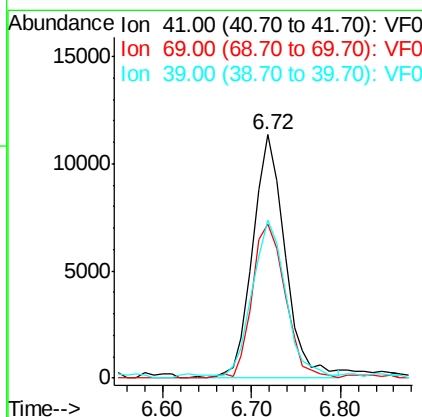
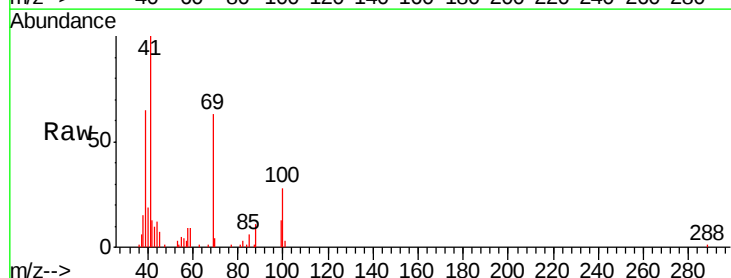
RT: 6.72 min Scan# 617

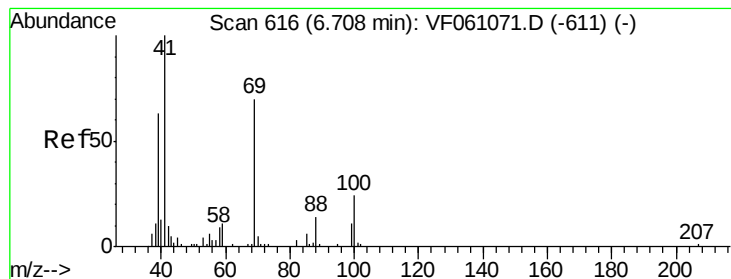
Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	41	Resp:	28538
Ion	Ratio	Lower	Upper
41	100		
69	63.3	52.7	79.1
39	64.6	47.8	71.6





#49

1,4-Dioxane

Concen: 426.539 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

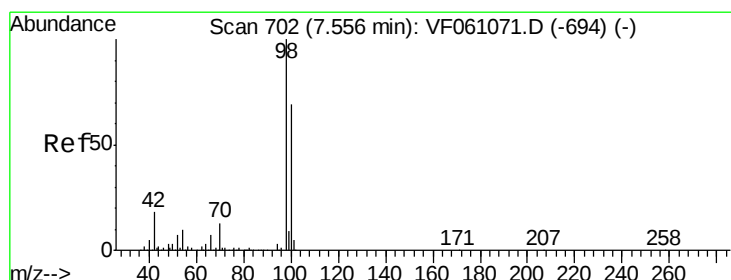
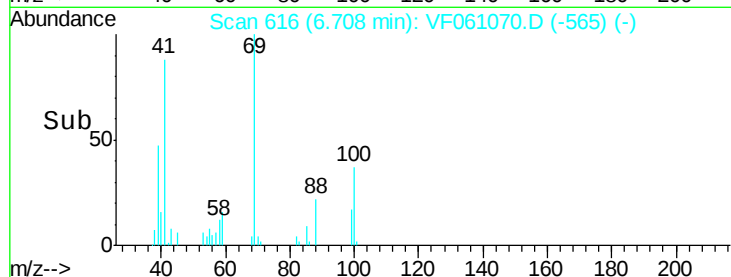
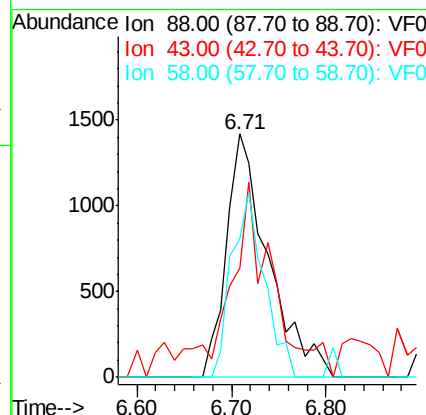
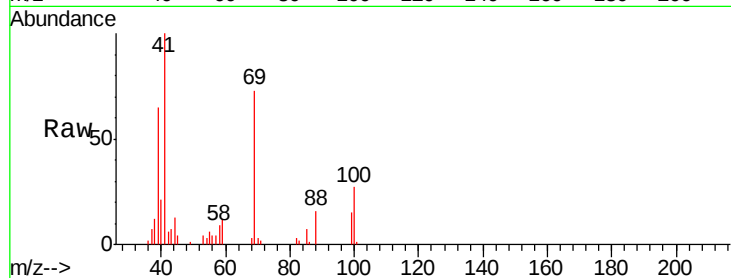
ClientSampleId :

VSTDIC020

Tgt Ion:	88	Resp:	4368
Ion	Ratio	Lower	Upper
88	100		
43	44.7	33.3	49.9
58	56.8	53.2	79.8

Manual Integrations
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#50

Toluene-d8

Concen: 19.905 ug/l

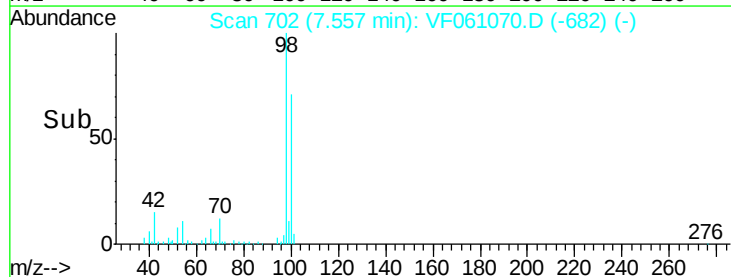
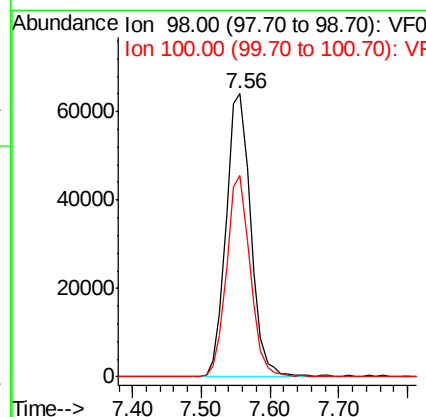
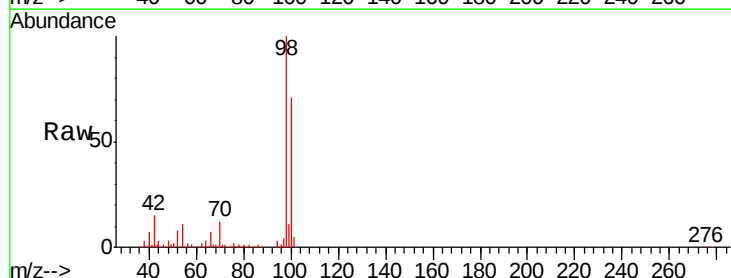
RT: 7.56 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	98	Resp:	159822
Ion	Ratio	Lower	Upper
98	100		
100	71.1	55.3	82.9





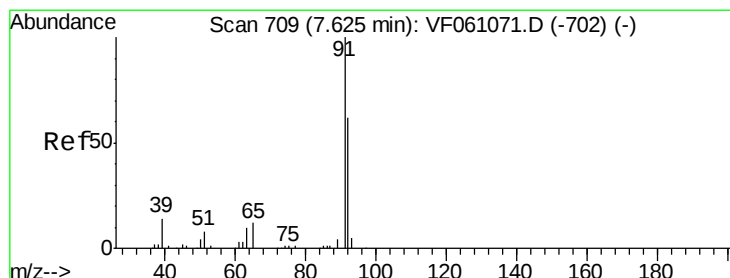
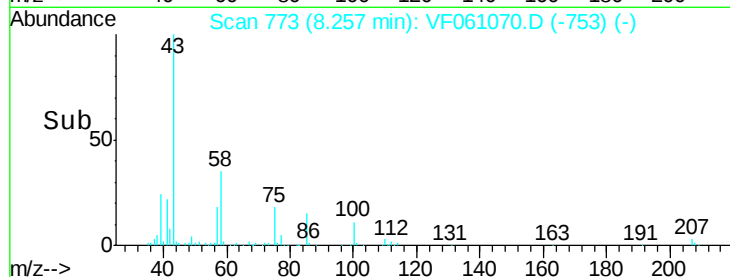
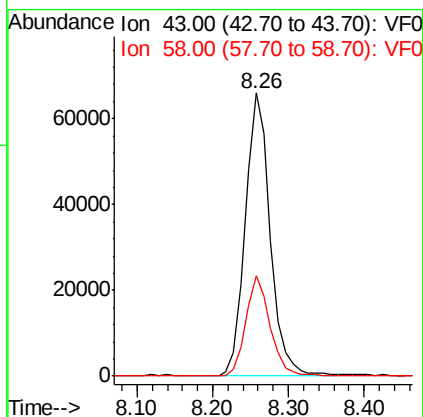
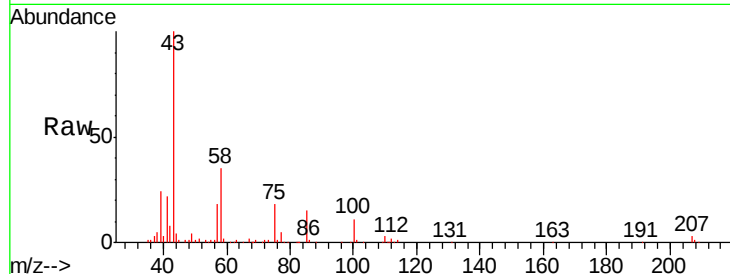
#51
 4-Methyl-2-Pentanone
 Concen: 105.053 ug/l
 RT: 8.26 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 151182
 Ion Ratio Lower Upper
 43 100
 58 35.4 29.1 43.7

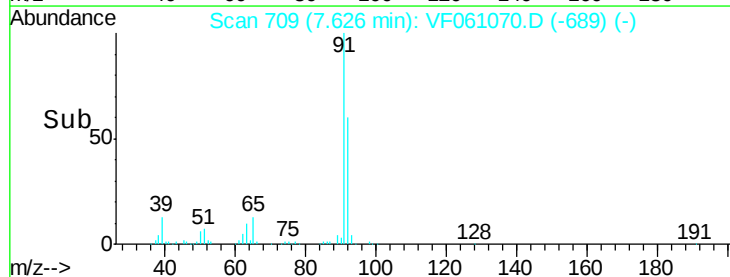
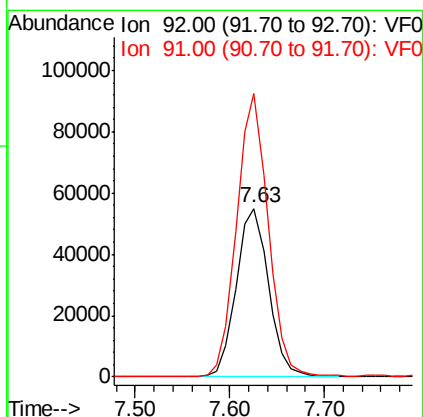
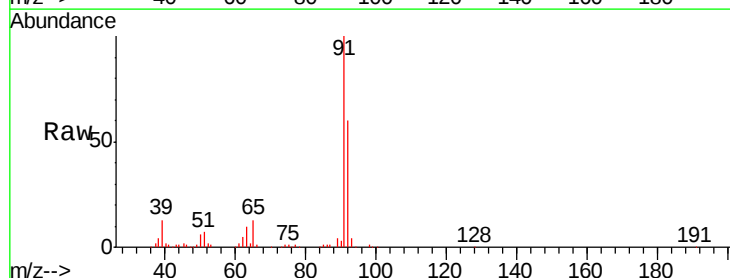
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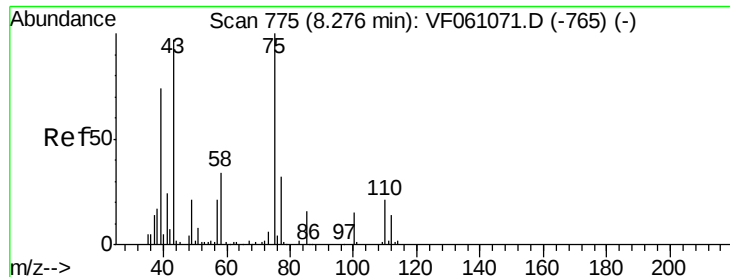
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#52
 Toluene
 Concen: 21.638 ug/l
 RT: 7.63 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion: 92 Resp: 130338
 Ion Ratio Lower Upper
 92 100
 91 167.8 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 21.690 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 70280

Ion Ratio Lower Upper

75 100

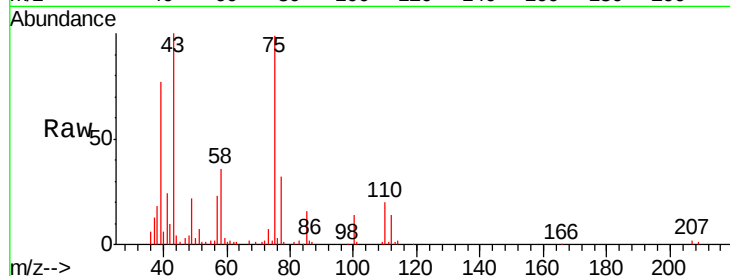
77 32.8 25.8 38.8

Manual Integrations

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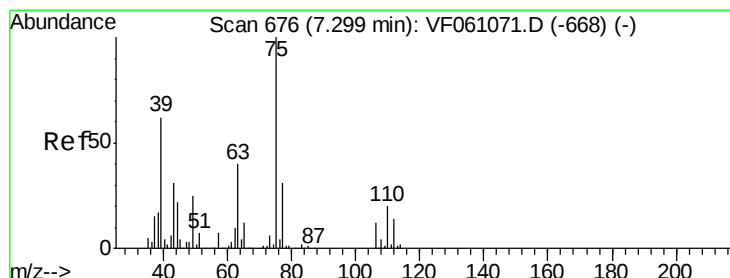
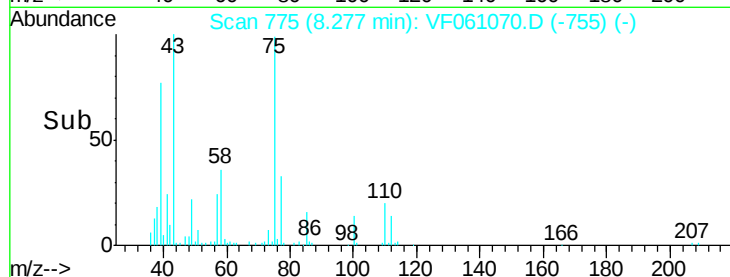
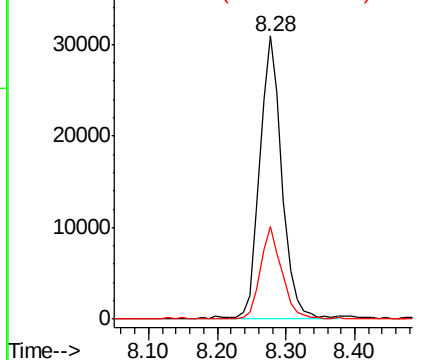
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.677 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

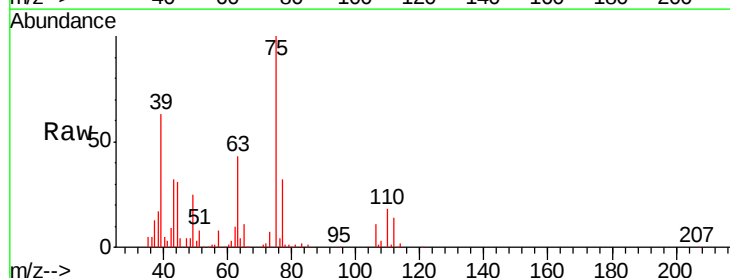
Tgt Ion: 75 Resp: 90676

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

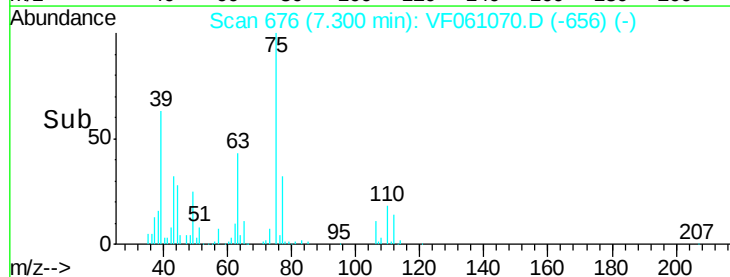
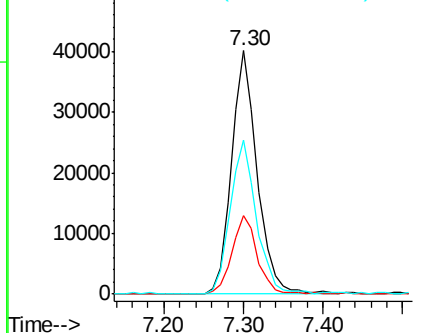
39 63.2 50.1 75.1

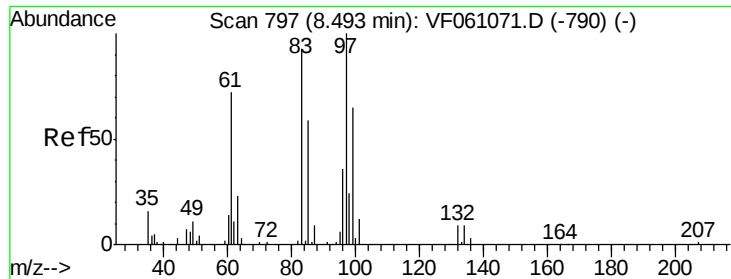


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.876 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

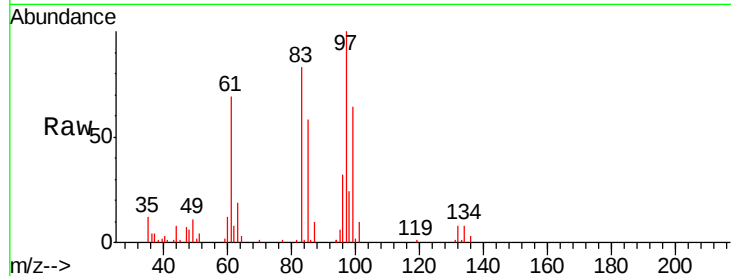
ClientSampleId :

VSTDIC020

Tgt Ion:	97	Resp:	37918
Ion	Ratio	Lower	Upper
97	100		
83	82.9	75.0	112.4
85	58.2	47.5	71.3
99	64.4	51.9	77.9

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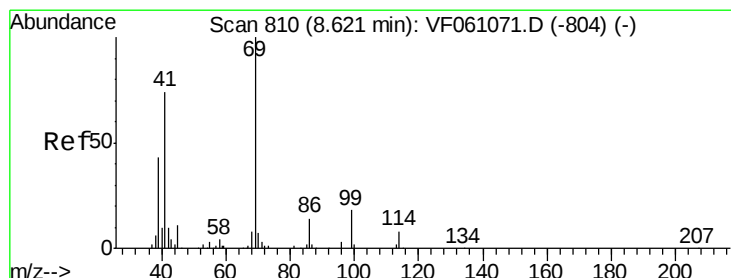
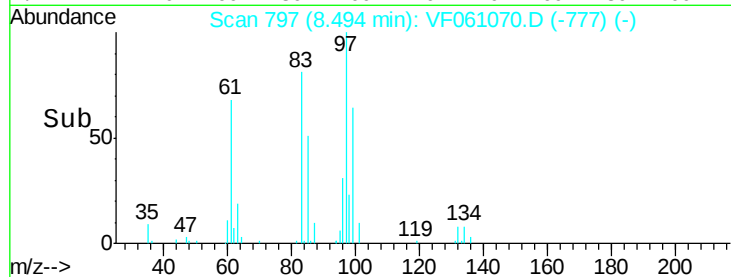
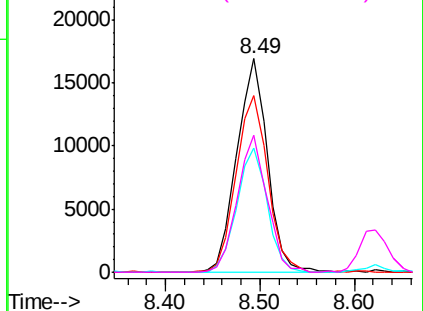


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.929 ug/l

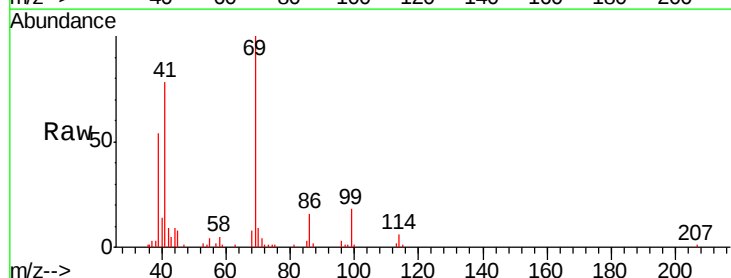
RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

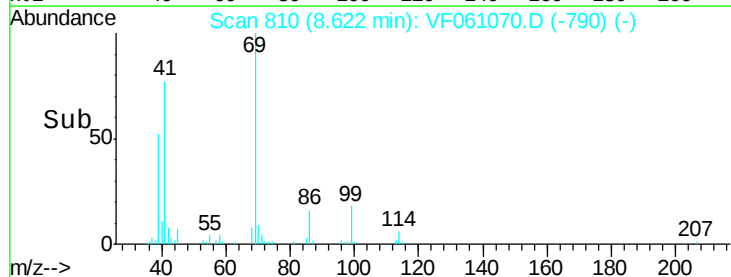
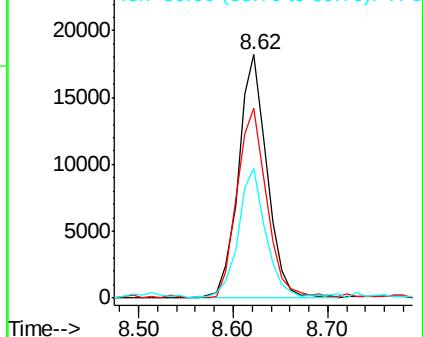
Tgt Ion:	69	Resp:	38092
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.7	89.5
39	53.5	35.0	52.6#

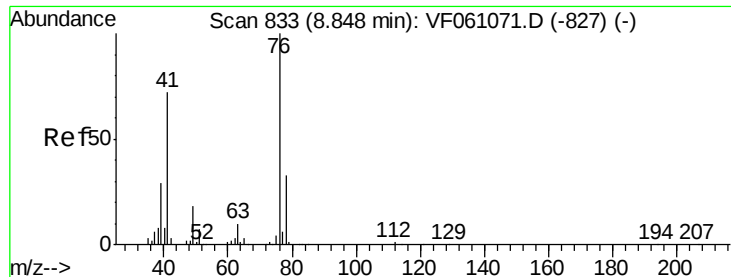


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.526 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 65490

Ion Ratio Lower Upper

76 100

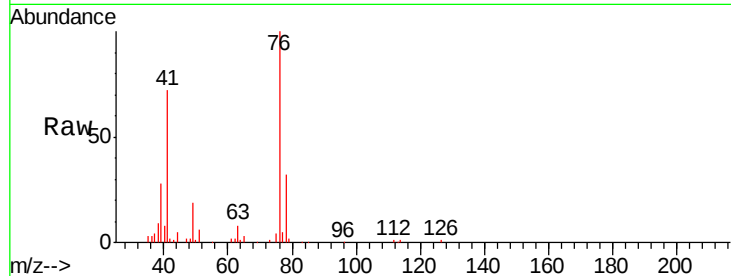
78 32.3 26.5 39.7

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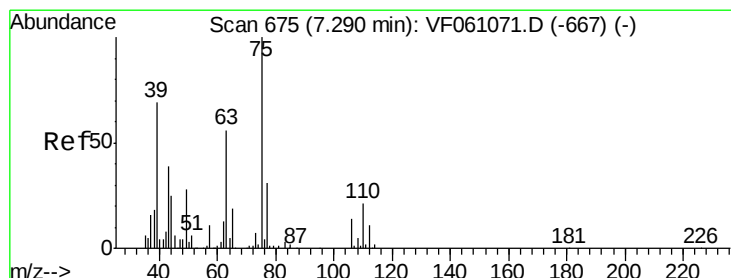
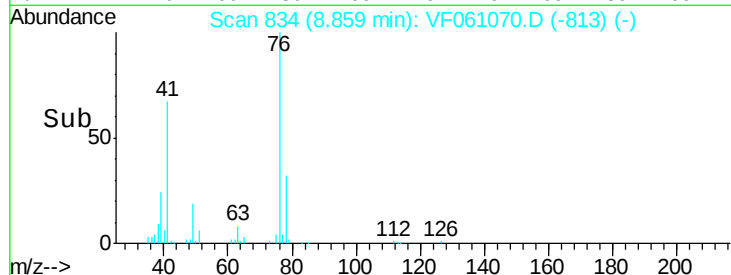
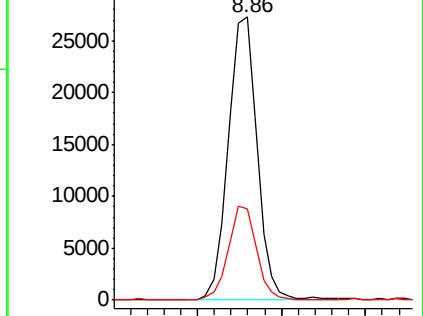
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 188.728 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061070.D

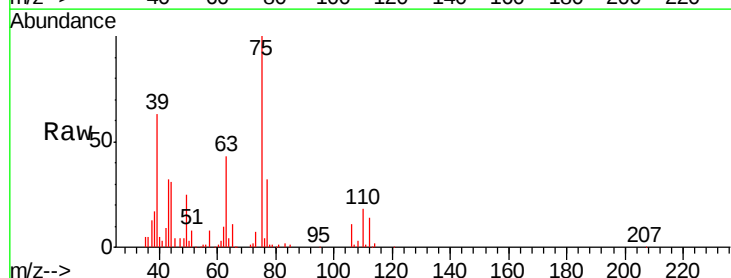
Acq: 18 Dec 2018 19:22

Tgt Ion: 63 Resp: 42710

Ion Ratio Lower Upper

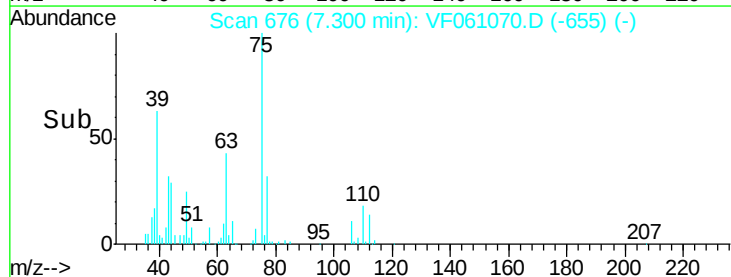
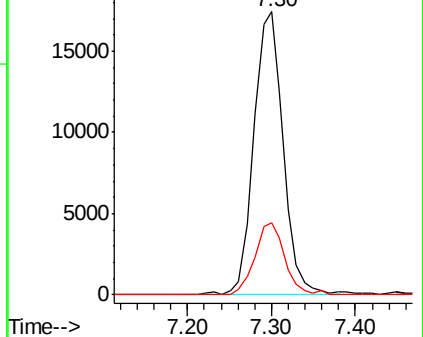
63 100

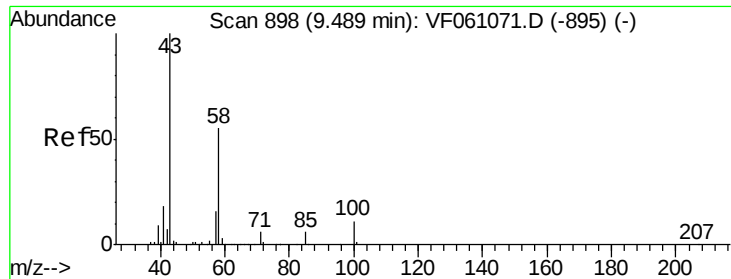
106 25.5 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





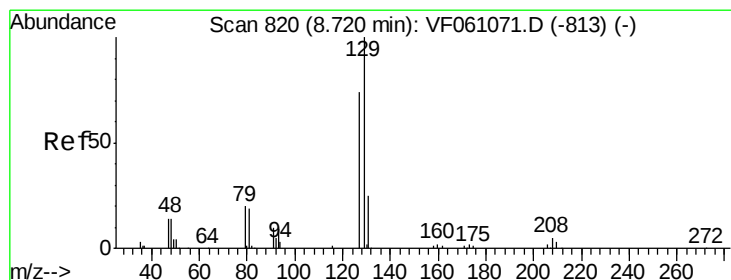
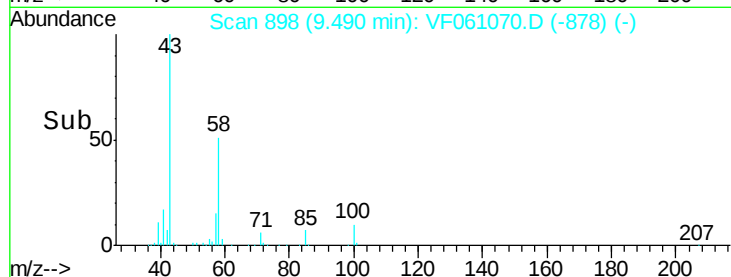
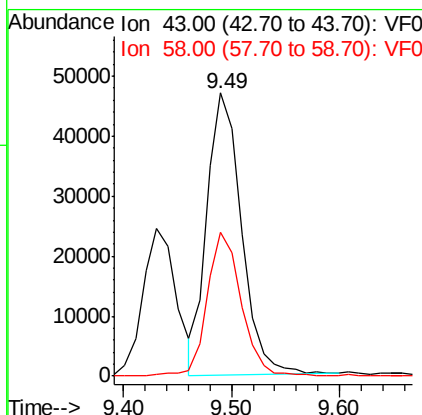
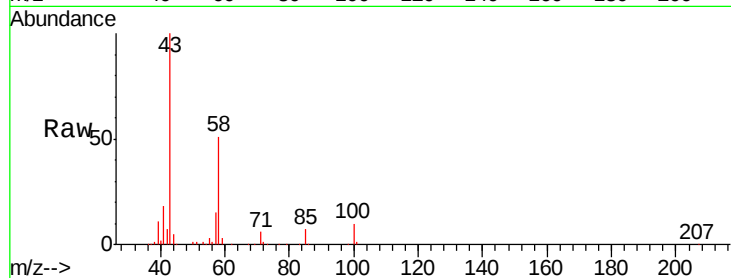
#59
2-Hexanone
Concen: 102.188 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 103923
Ion Ratio Lower Upper
43 100
58 51.0 25.1 75.2

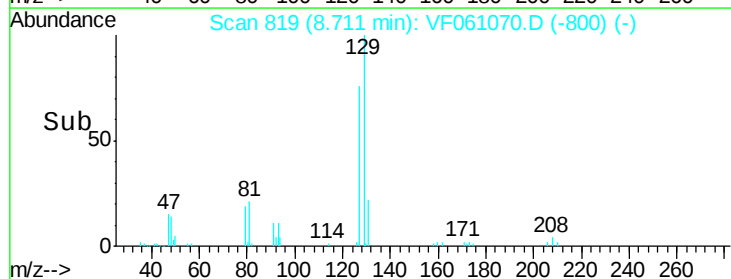
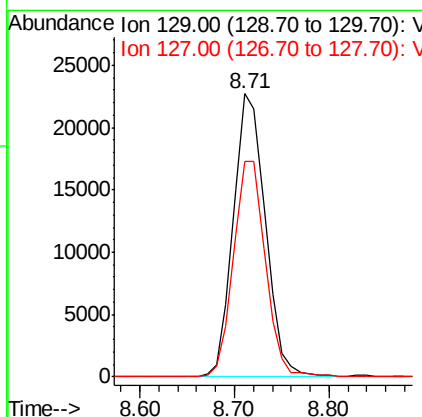
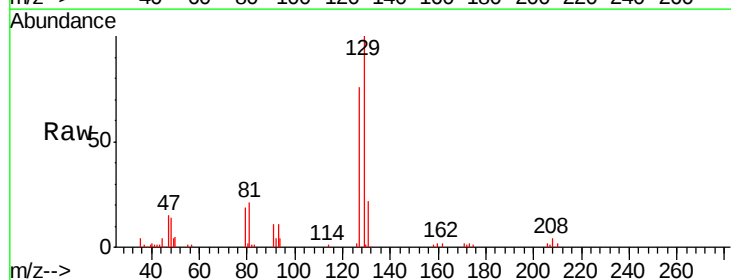
Manual Integrations
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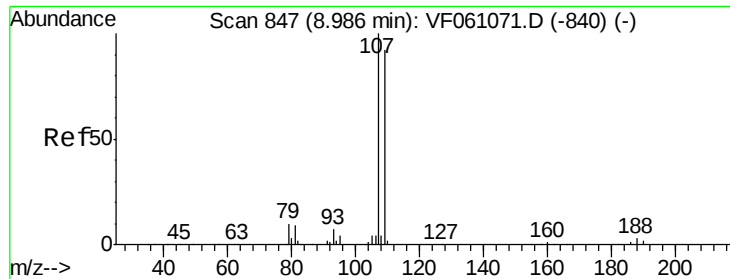
apatel
12/20/2018 10:28:45 AM



#60
Dibromochloromethane
Concen: 20.623 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion: 129 Resp: 53390
Ion Ratio Lower Upper
129 100
127 76.0 36.8 110.3





#61

1,2-Dibromoethane

Concen: 20.762 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 39120

Ion Ratio Lower Upper

107 100

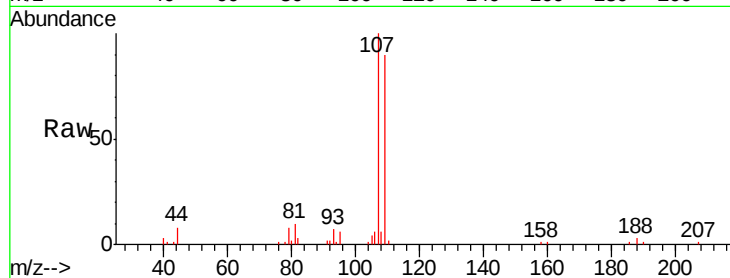
109 90.4 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

10000

5000

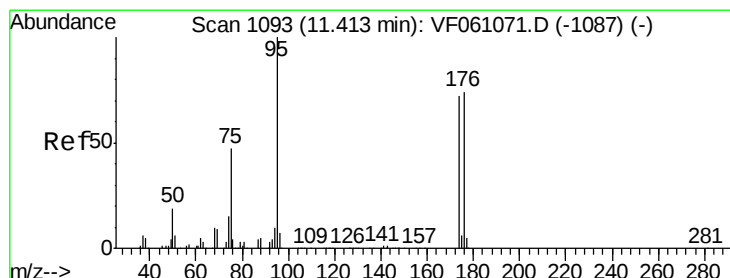
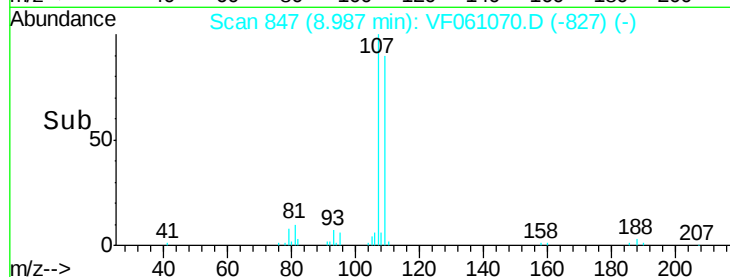
0

8.90

9.00

9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 20.892 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

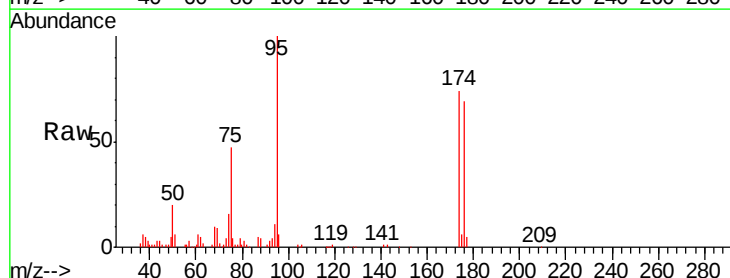
Tgt Ion: 95 Resp: 75981

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.8

176 69.1 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

50000

40000

30000

20000

10000

0

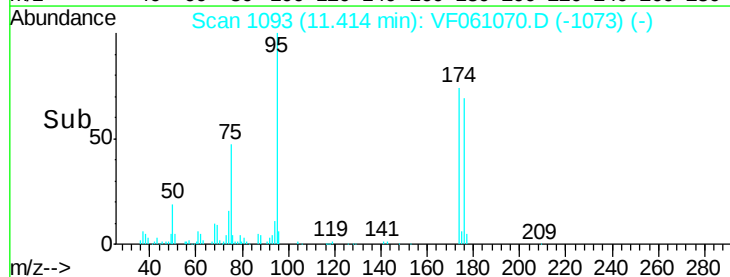
11.30

11.40

11.50

11.60

Time-->





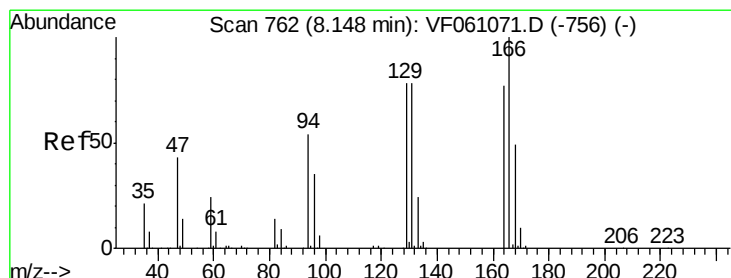
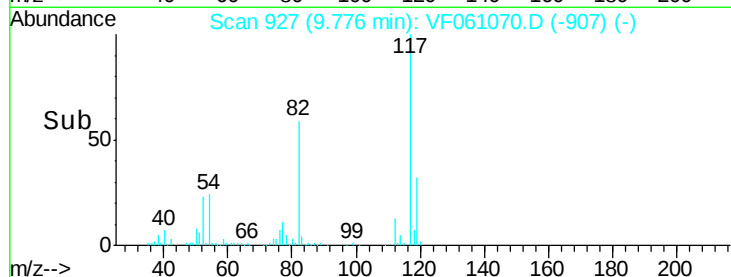
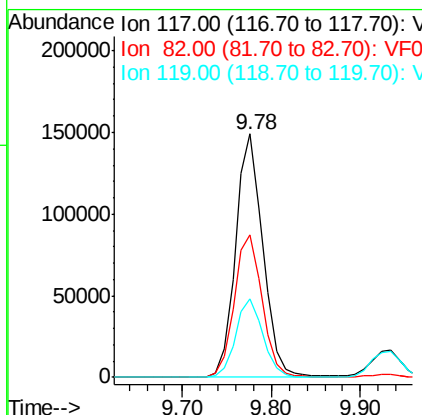
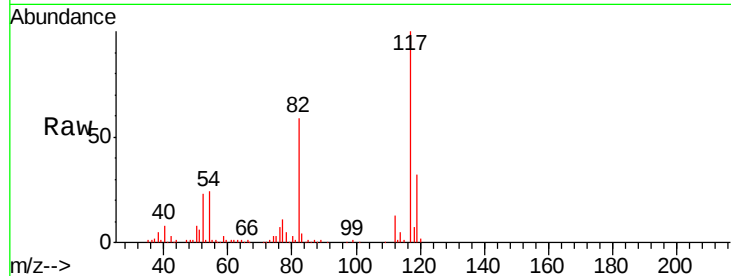
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	58.6	45.0	67.4
119	32.0	24.8	37.2

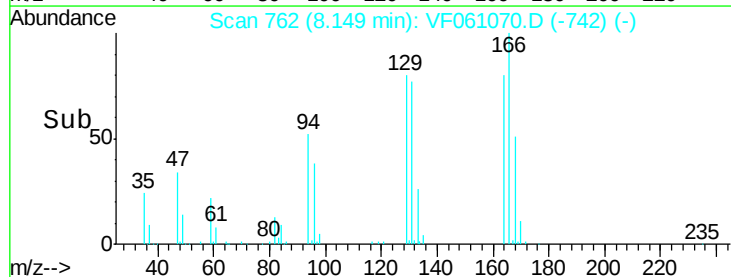
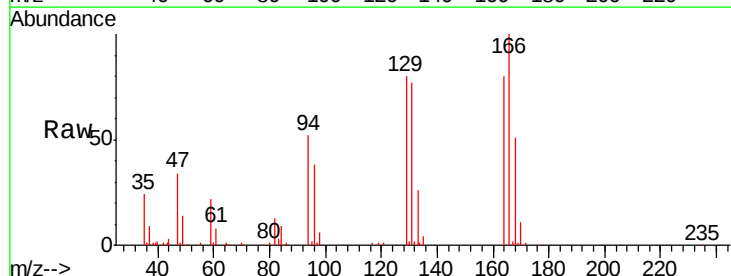
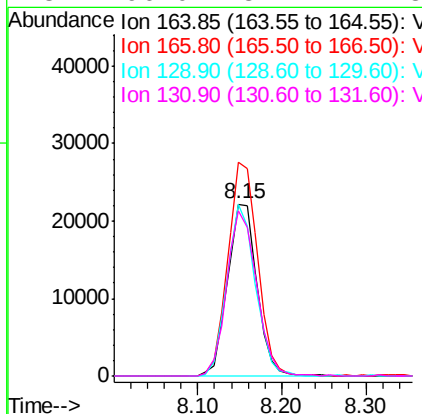
Manual Integrations
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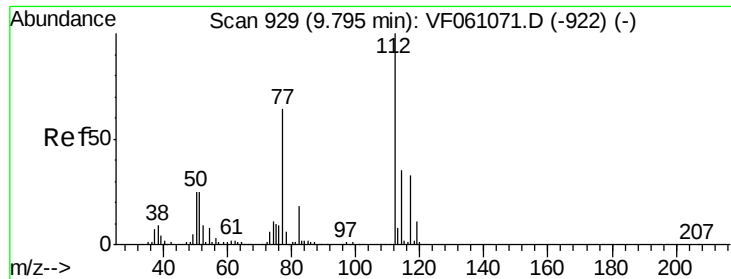
apatel
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#64
Tetrachloroethene
Concen: 22.071 ug/l
RT: 8.15 min Scan# 762
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	124.4	104.0	156.0
129	99.9	81.1	121.7
131	96.0	81.2	121.8





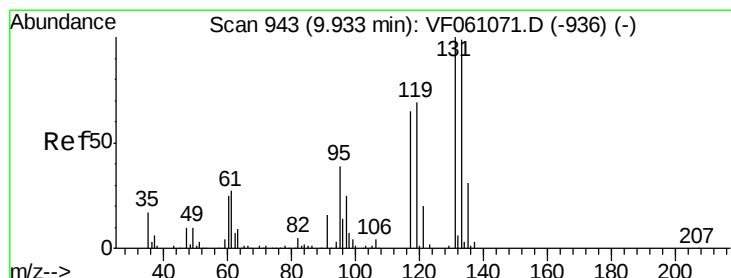
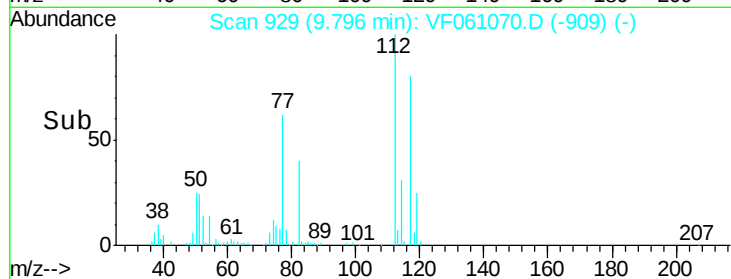
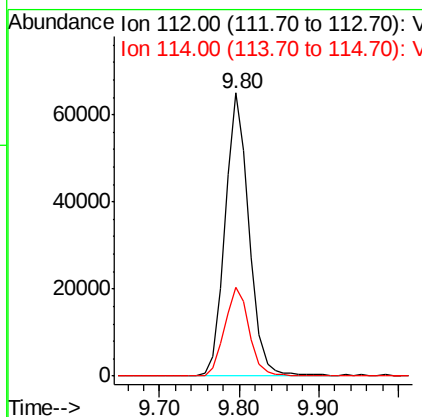
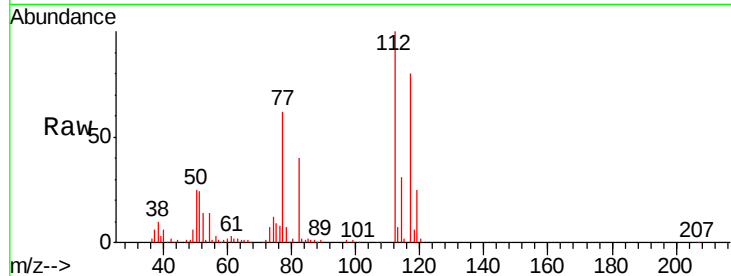
#65
Chlorobenzene
Concen: 22.342 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 137670
Ion Ratio Lower Upper
112 100
114 31.2 27.8 41.6

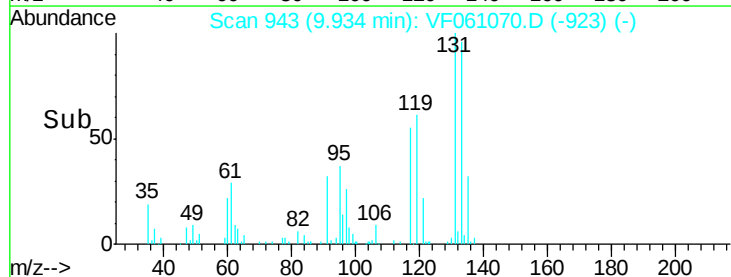
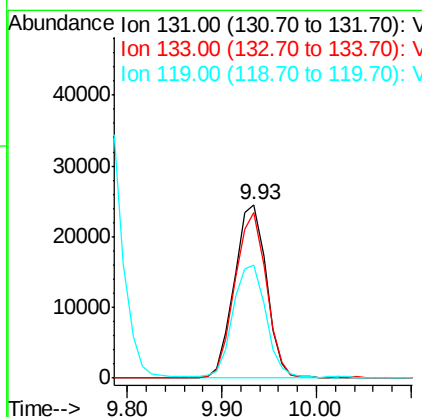
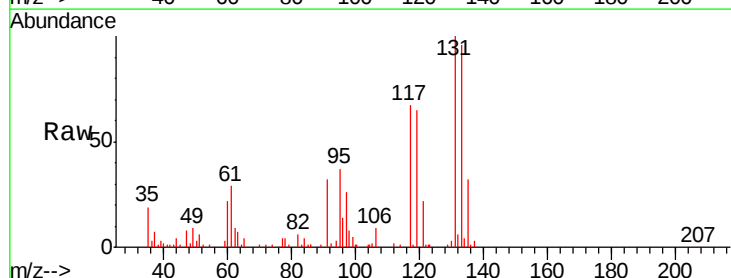
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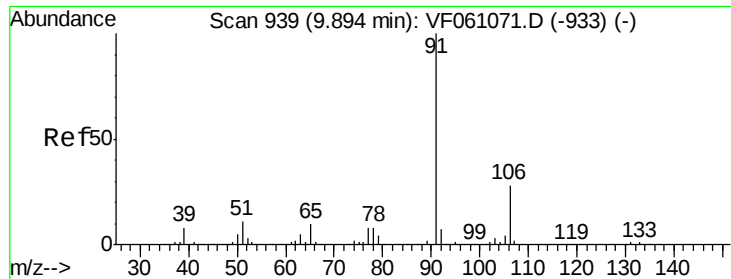
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.022 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion:131 Resp: 58129
Ion Ratio Lower Upper
131 100
133 95.6 49.5 148.7
119 64.8 34.5 103.5





#67

Ethyl Benzene

Concen: 21.889 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 251784

Ion Ratio Lower Upper

91 100

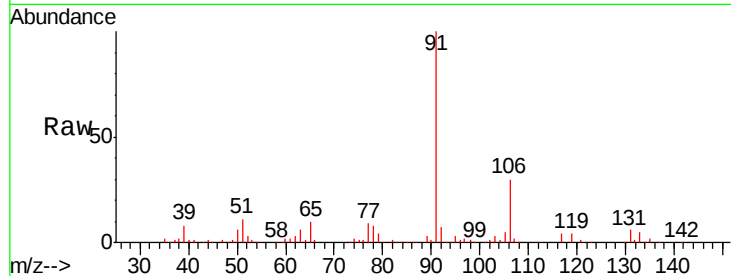
106 29.5 22.5 33.7

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

120000

100000

80000

60000

40000

20000

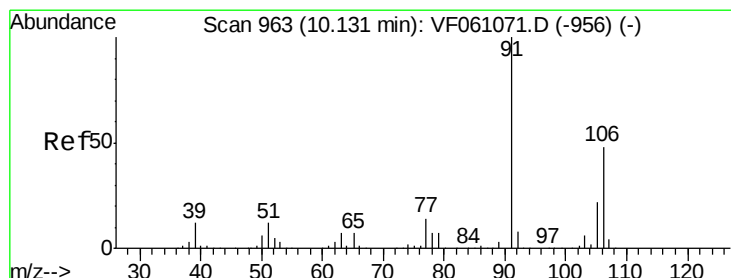
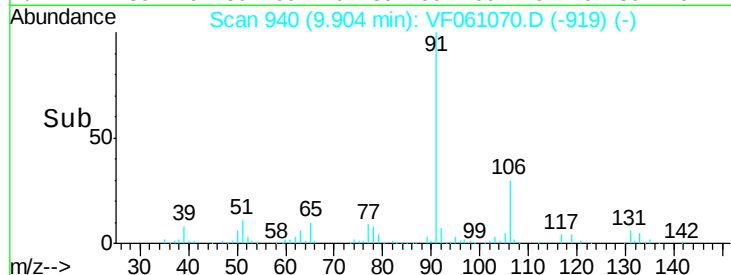
0

9.80

9.90

10.00

Time-->



#68

m/p-Xylenes

Concen: 42.915 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061070.D

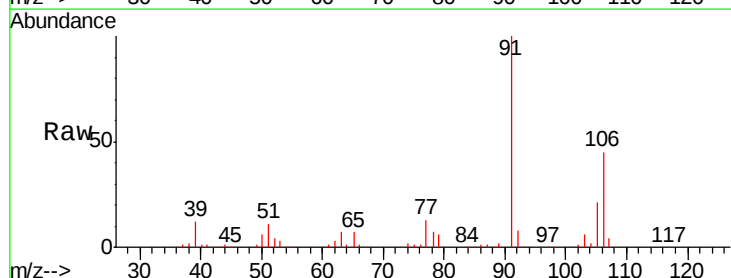
Acq: 18 Dec 2018 19:22

Tgt Ion: 106 Resp: 178160

Ion Ratio Lower Upper

106 100

91 224.3 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

100000

50000

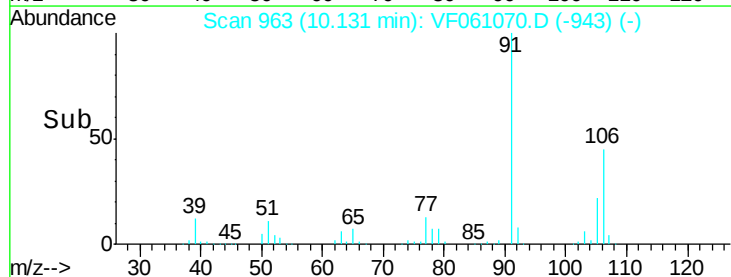
0

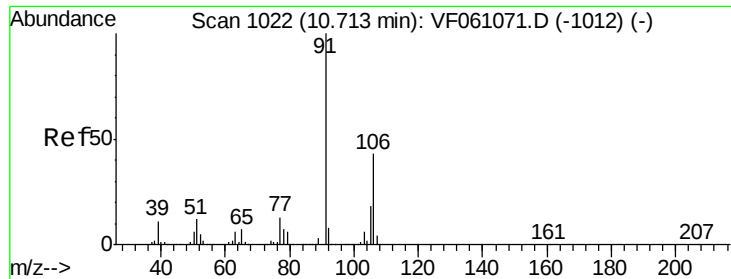
10.00

10.10

10.20

Time-->





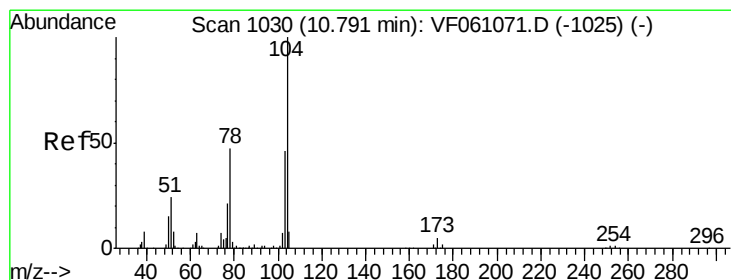
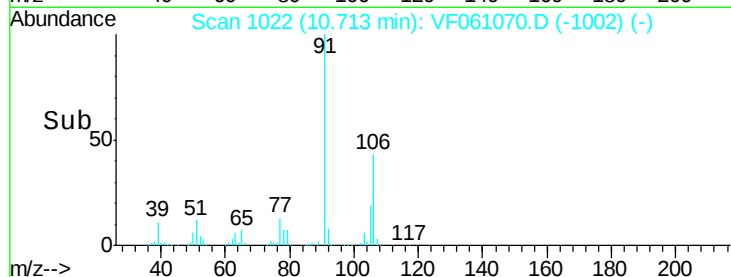
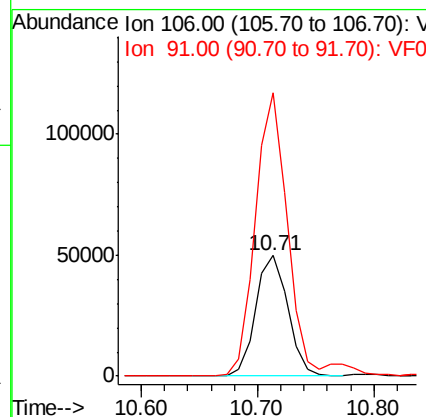
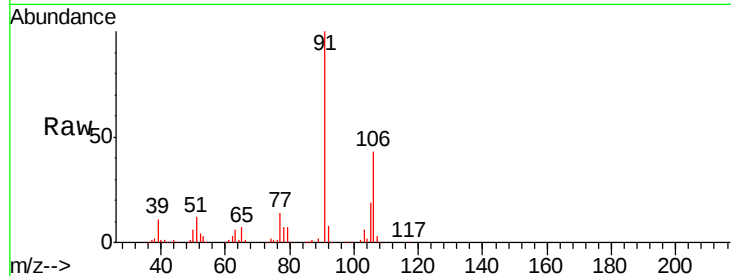
#69
o-Xylene
Concen: 21.063 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 96243
Ion Ratio Lower Upper
106 100
91 234.9 115.9 347.7

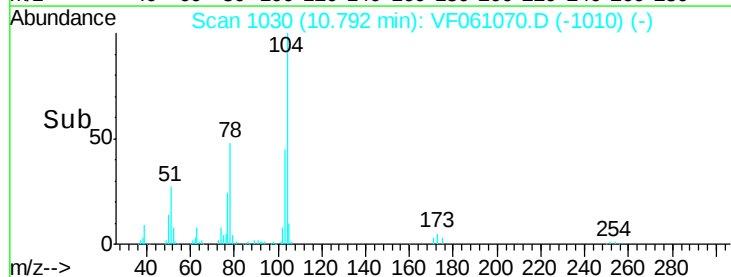
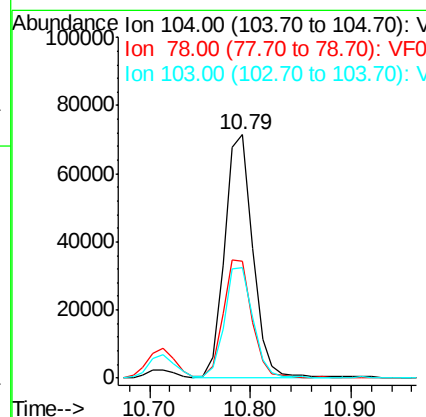
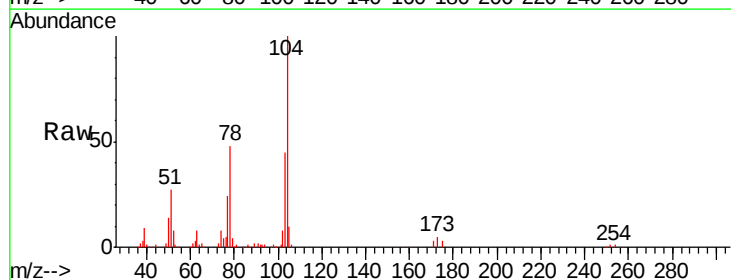
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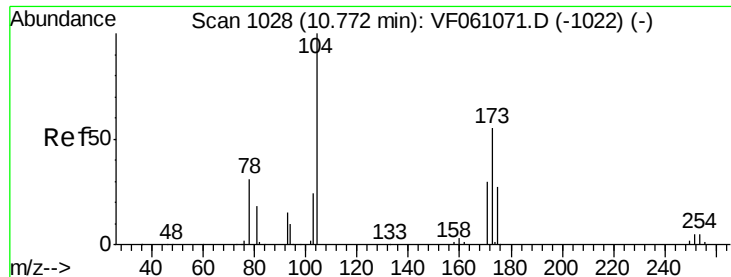
apatel
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#70
Styrene
Concen: 22.046 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion:104 Resp: 138651
Ion Ratio Lower Upper
104 100
78 47.9 38.4 57.6
103 45.2 37.0 55.6





#71

Bromoform

Concen: 20.962 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

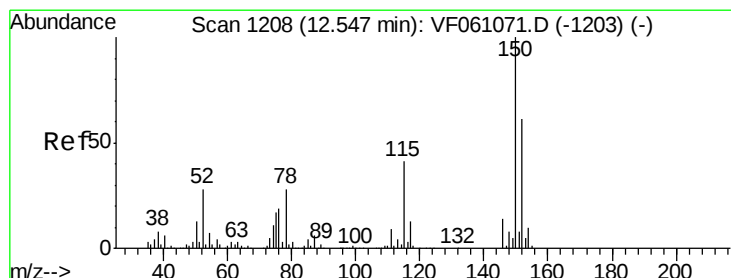
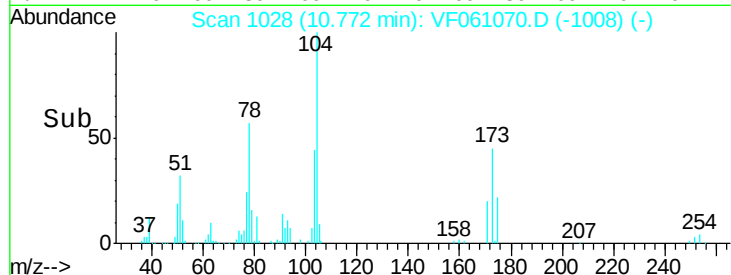
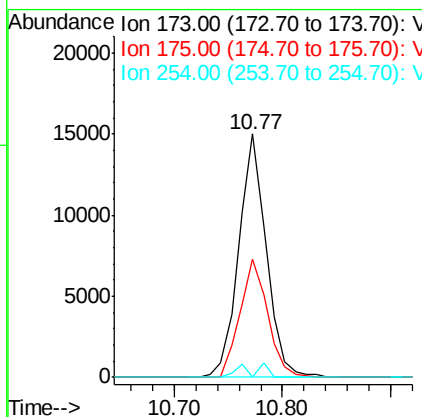
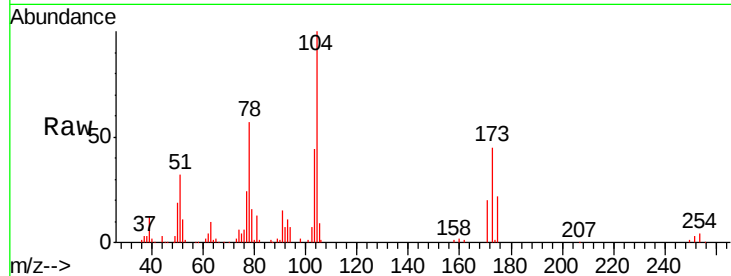
ClientSampleId :

VSTDIC020

Tgt Ion:	173	Resp:	26595
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.8	74.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

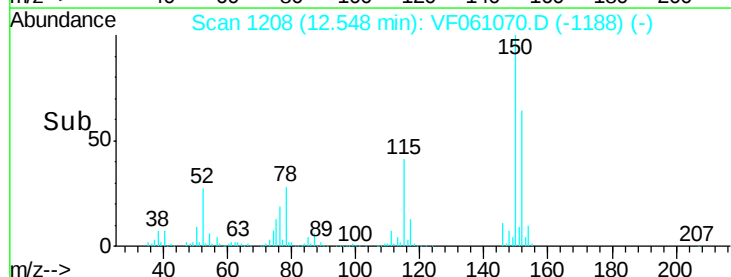
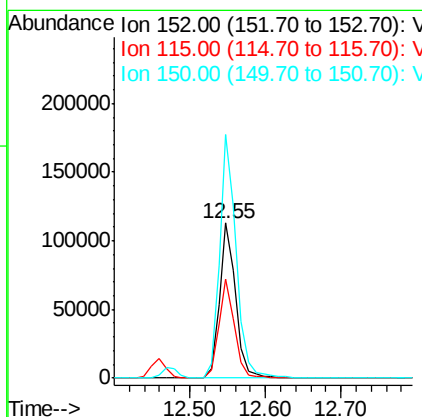
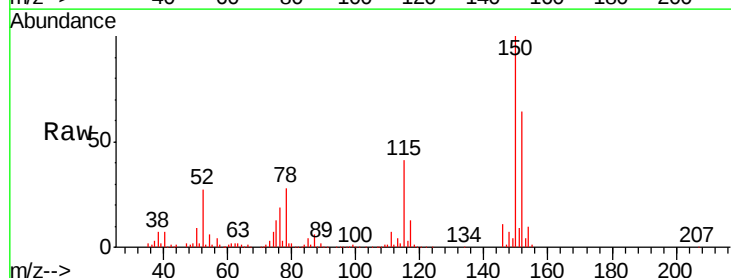
RT: 12.55 min Scan# 1208

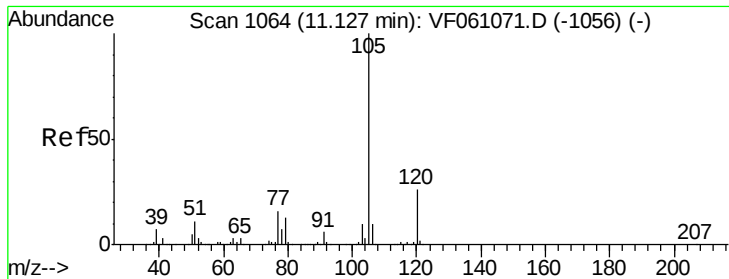
Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	152	Resp:	169591
Ion Ratio	Lower	Upper	
152	100		
115	63.8	33.3	99.9
150	156.9	0.0	328.2





#73

Isopropylbenzene

Concen: 22.364 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 303709

Ion Ratio Lower Upper

105 100

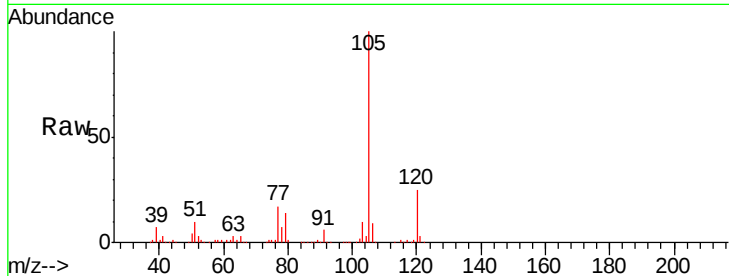
120 24.9 13.0 39.0

Manual Integrations

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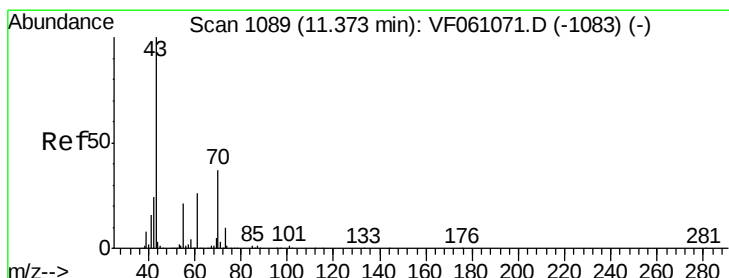
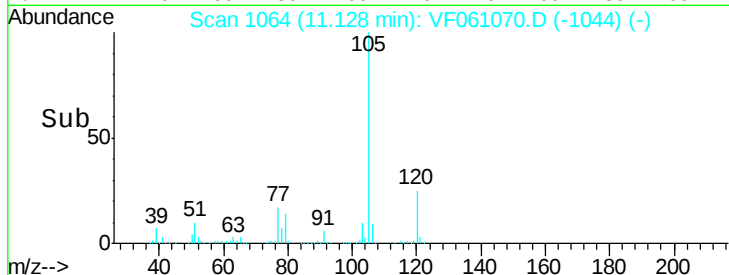
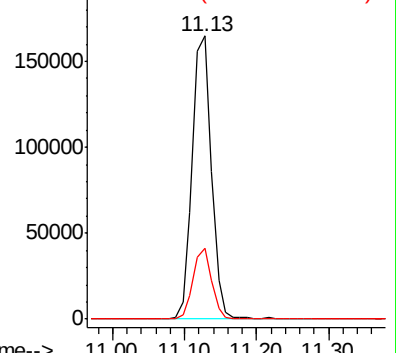
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.366 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion: 43 Resp: 66310

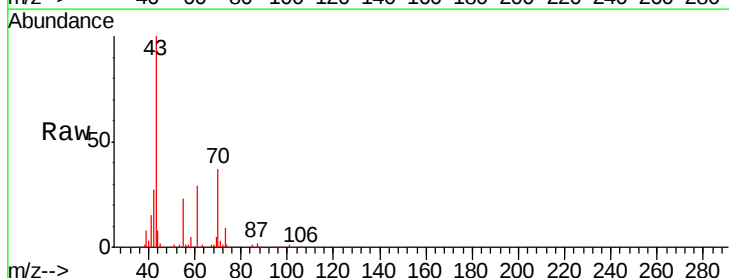
Ion Ratio Lower Upper

43 100

70 37.2 29.2 43.8

55 22.6 16.5 24.7

61 29.4 20.7 31.1

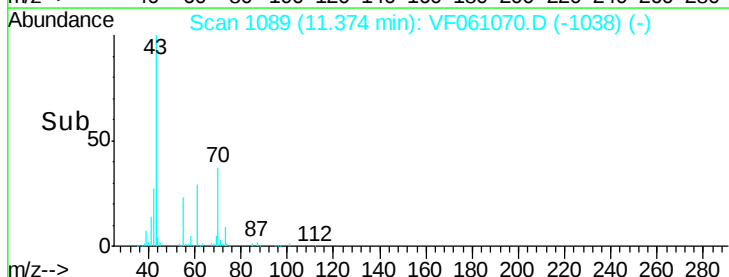
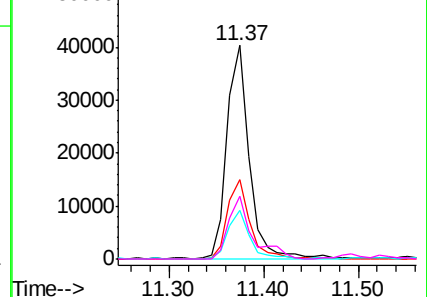


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.093 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

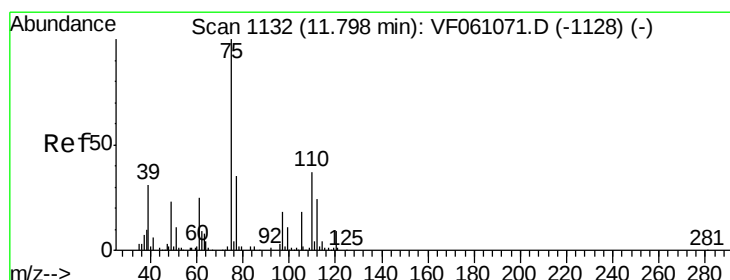
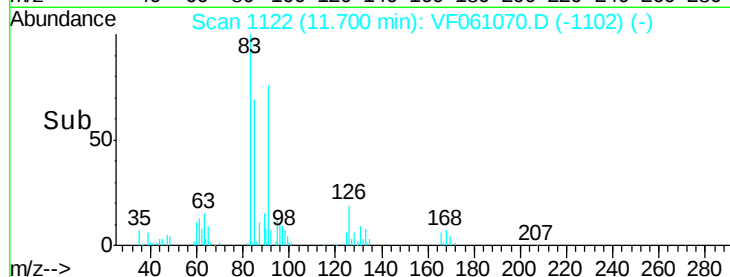
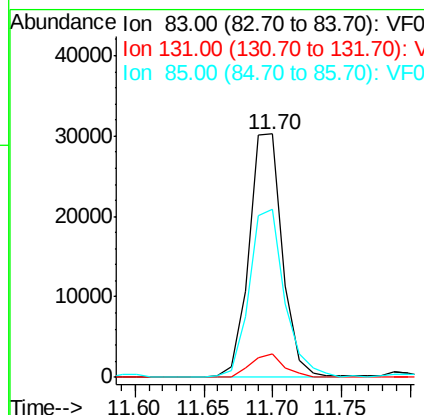
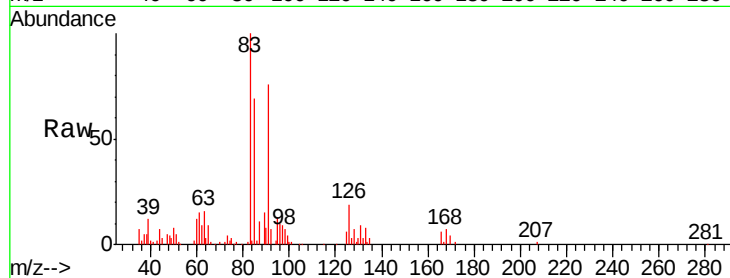
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	51430
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	68.9	33.9	101.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.744 ug/l

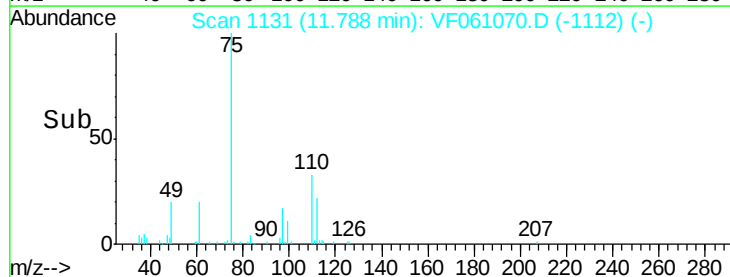
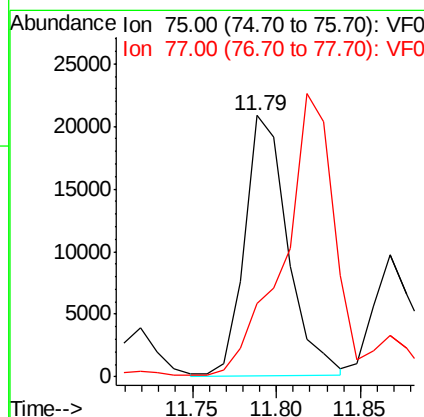
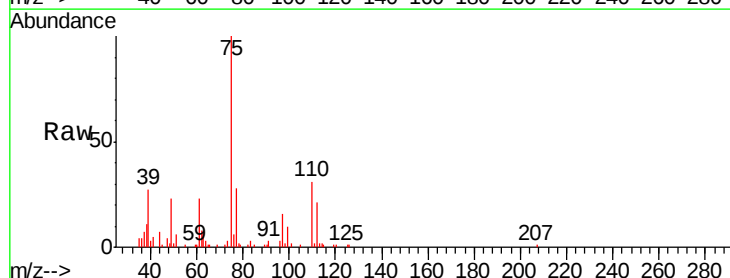
RT: 11.79 min Scan# 1131

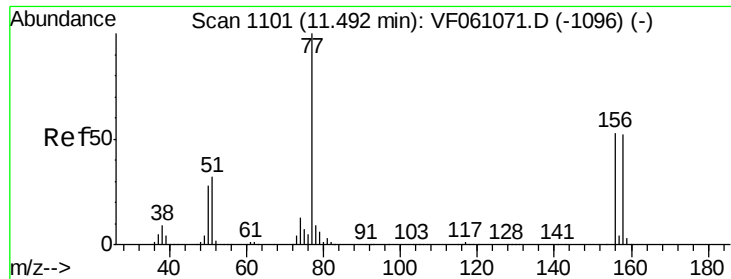
Delta R.T. -0.01 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Tgt Ion:	75	Resp:	37095
Ion Ratio	Lower	Upper	
75	100		
77	28.1	17.6	52.9





#77

Bromobenzene

Concen: 22.565 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

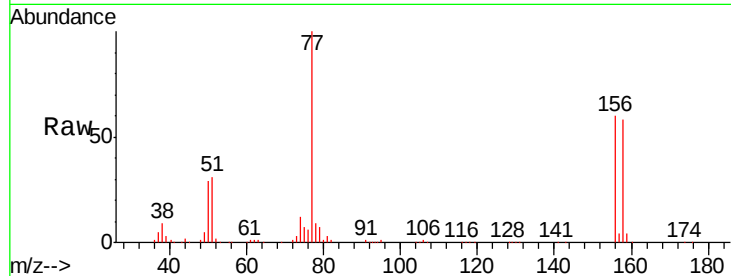
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	167.6	93.8	281.4
158	97.4	48.9	146.8

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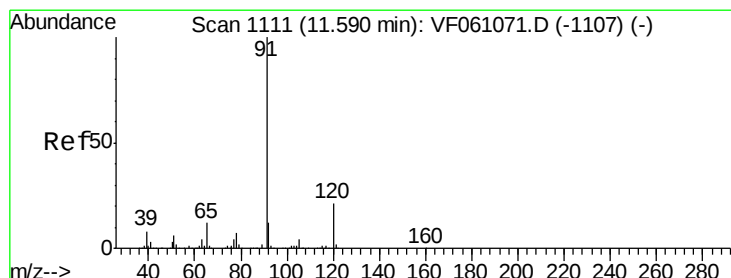
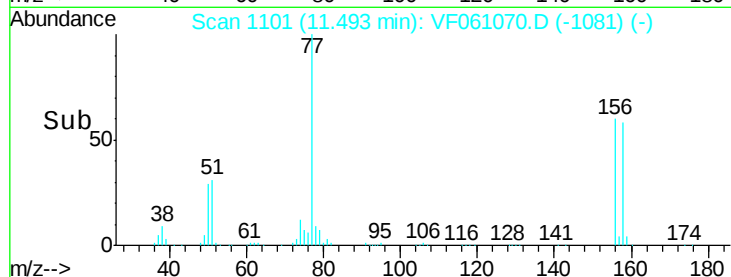
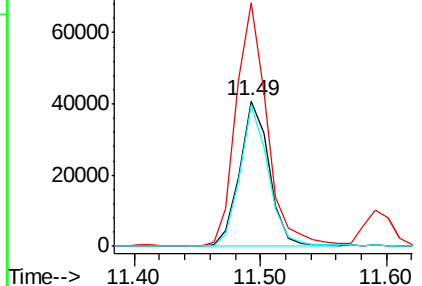
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.634 ug/l

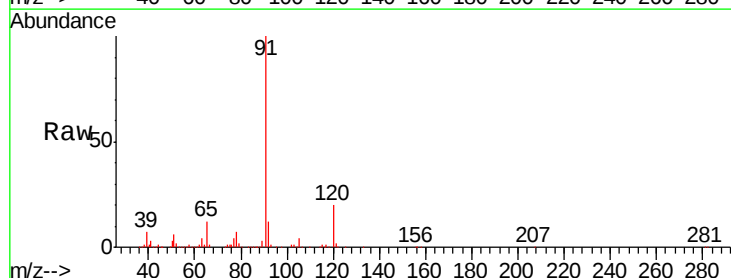
RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061070.D

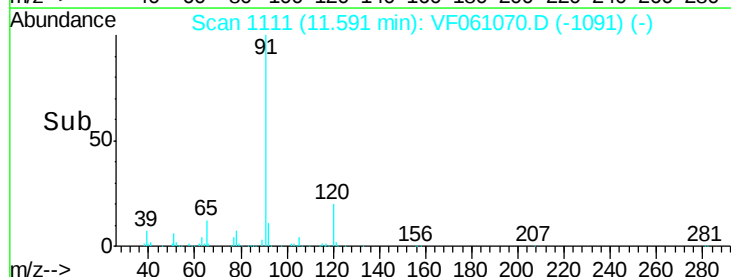
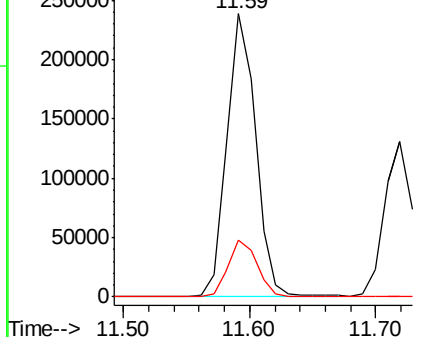
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.4	31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





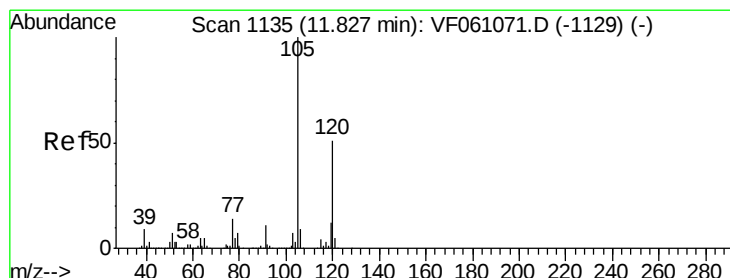
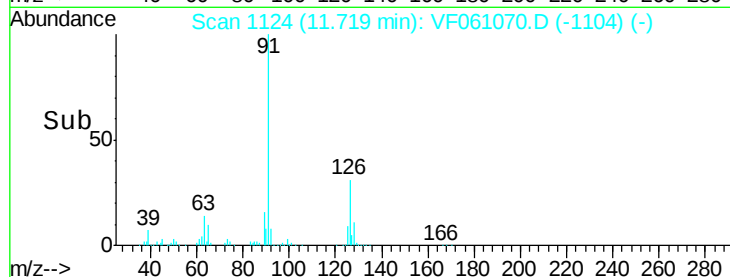
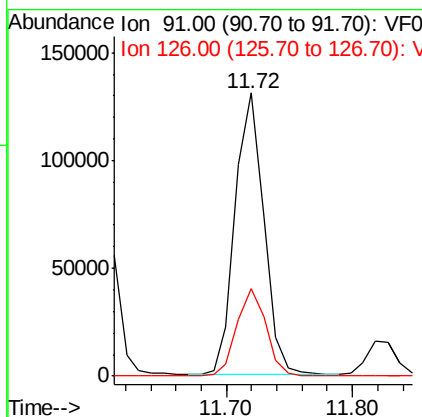
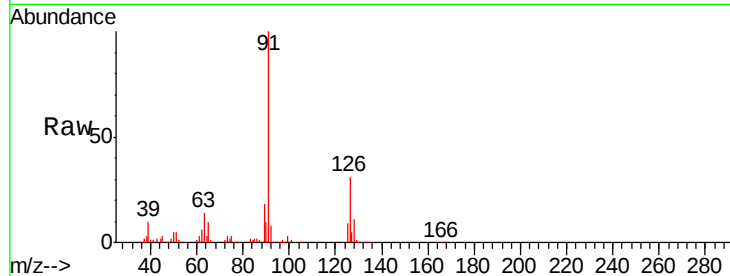
#79
 2-Chlorotoluene
 Concen: 22.634 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 206766
 Ion Ratio Lower Upper
 91 100
 126 30.9 16.4 49.1

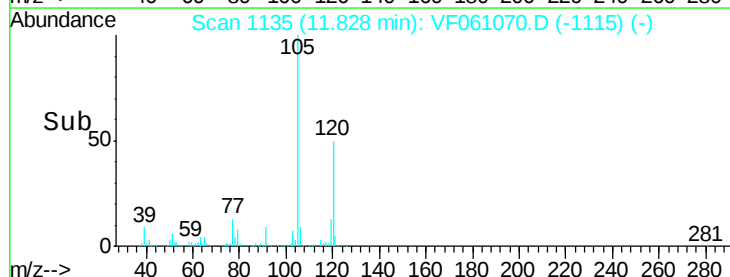
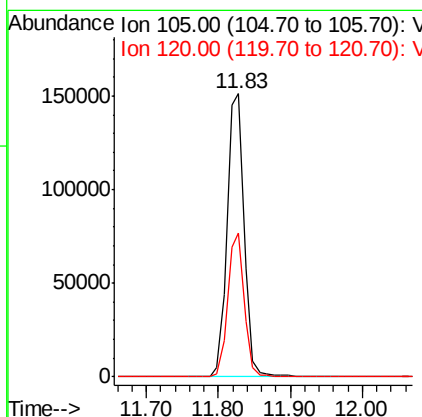
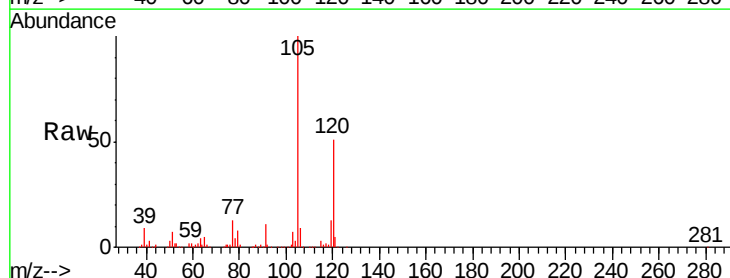
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.588 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion: 105 Resp: 248832
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.349 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061070.D

Acq: 18 Dec 2018 19:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 15967
Ion Ratio Lower Upper

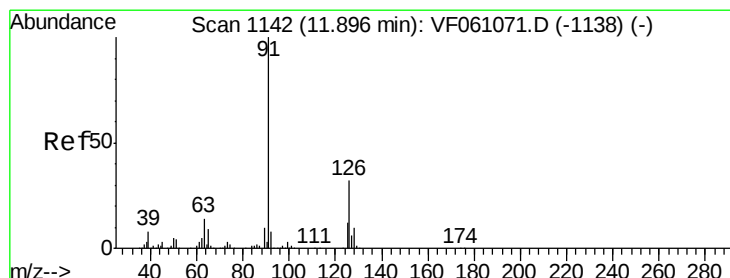
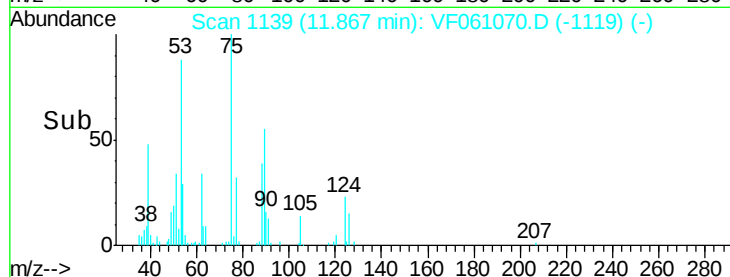
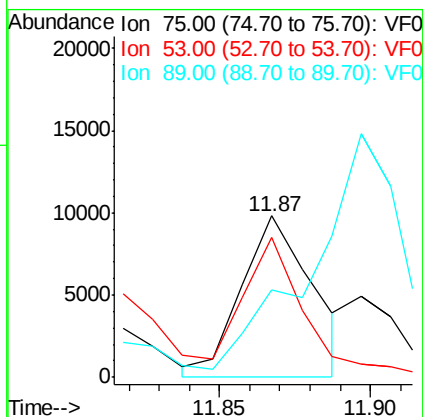
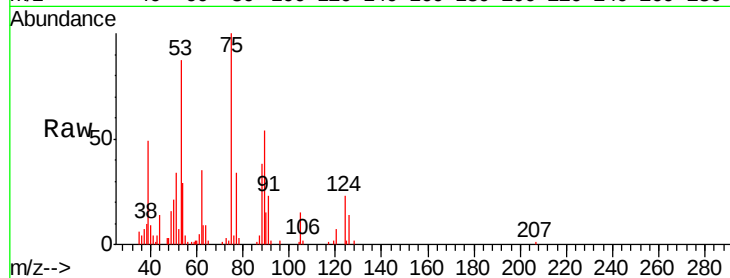
75 100

53 86.6 74.1 111.1

89 53.9 42.6 64.0

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#82

4-Chlorotoluene

Concen: 21.485 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

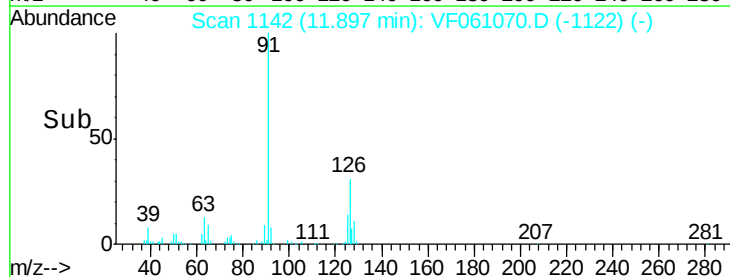
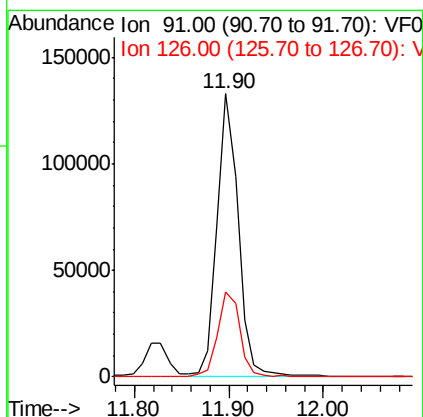
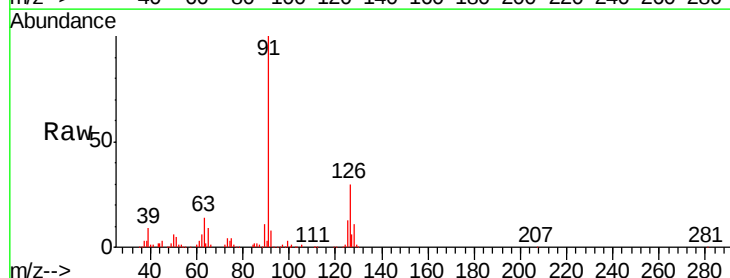
Lab File: VF061070.D

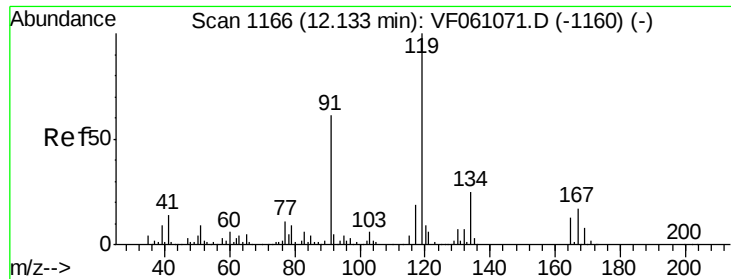
Acq: 18 Dec 2018 19:22

Tgt Ion: 91 Resp: 205783
Ion Ratio Lower Upper

91 100

126 30.2 16.0 47.9





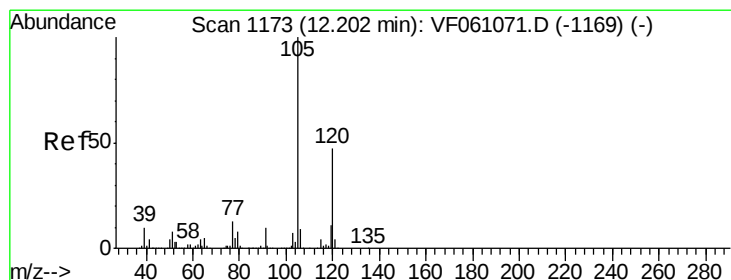
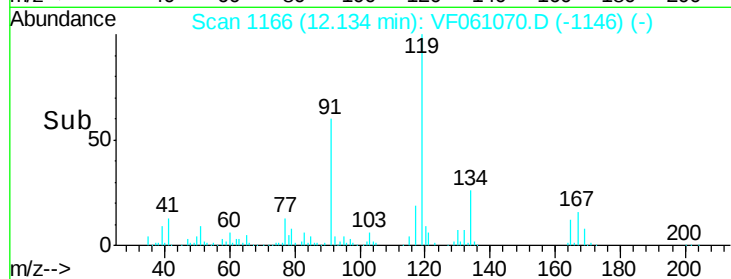
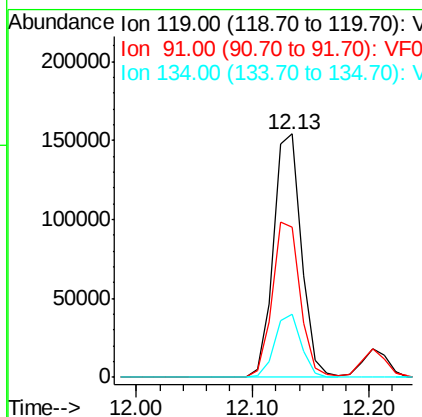
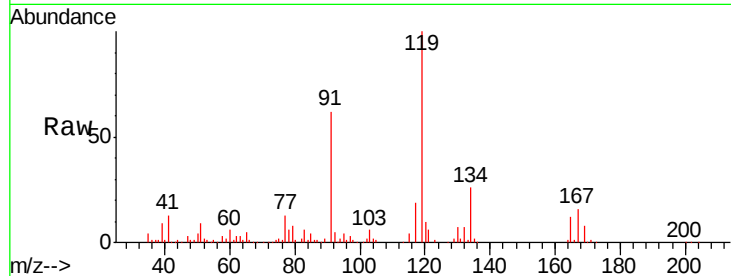
#83
tert-Butylbenzene
Concen: 22.760 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	256469		
91	61.6	30.5	91.5	
134	25.7	12.4	37.4	

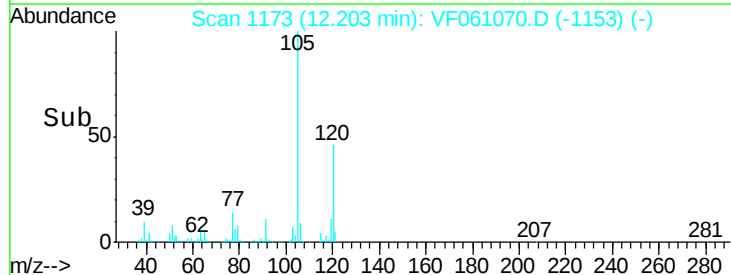
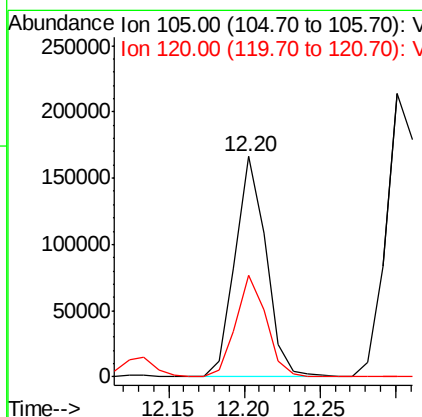
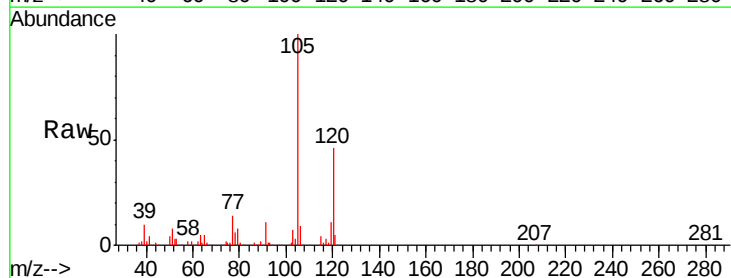
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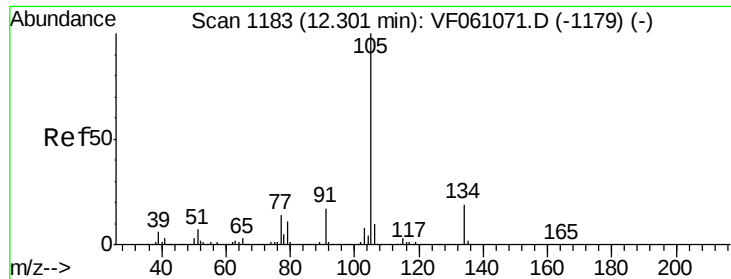
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#84
1,2,4-Trimethylbenzene
Concen: 21.884 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238317		
120	46.0	23.6	71.0	





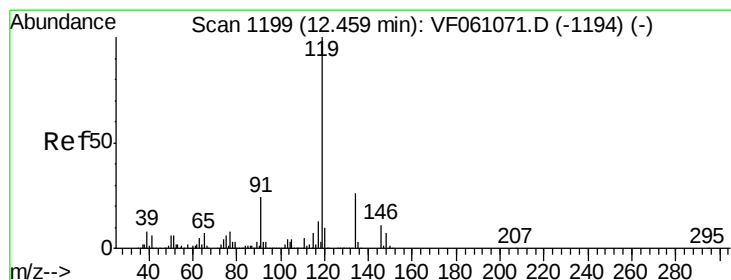
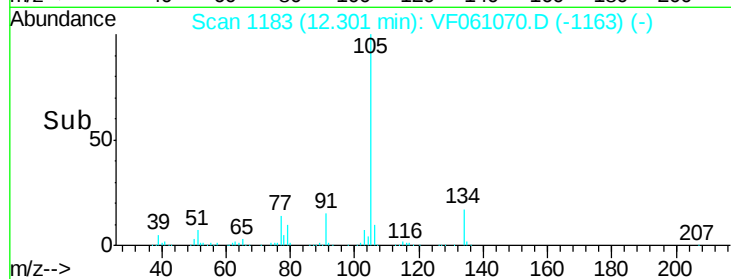
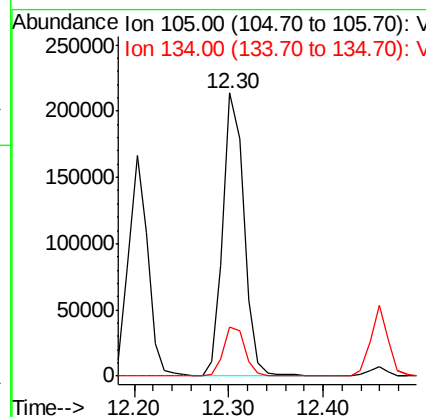
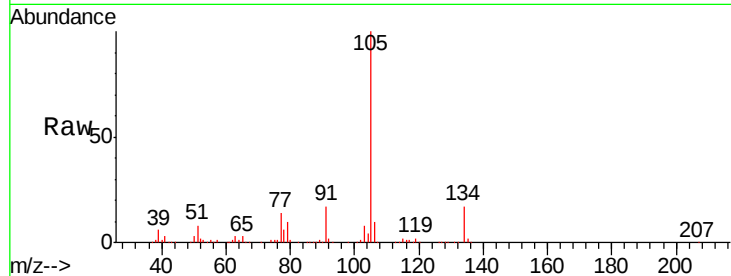
#85
 sec-Butylbenzene
 Concen: 21.704 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	331525		
134	17.2	9.4	28.2	

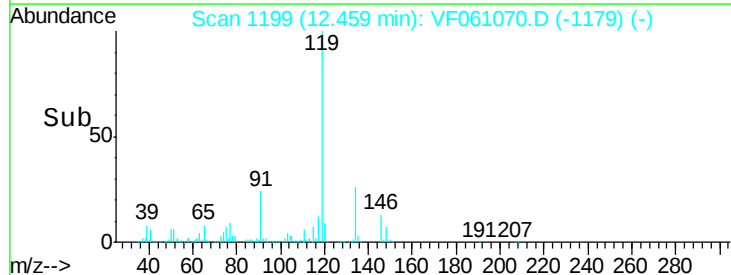
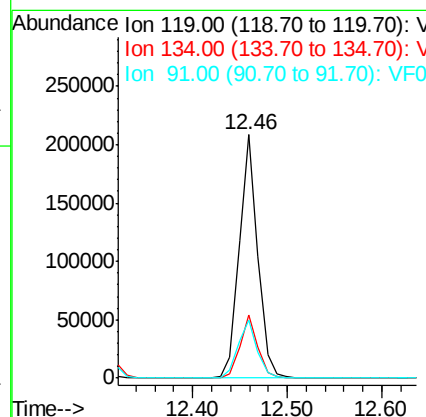
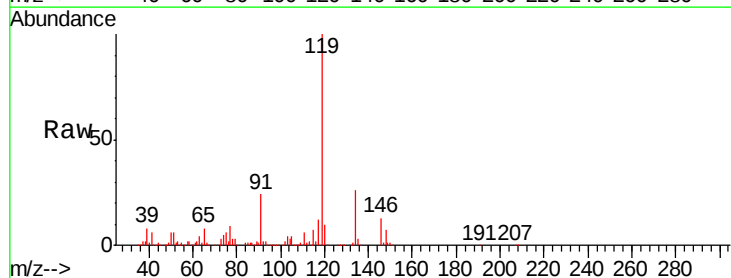
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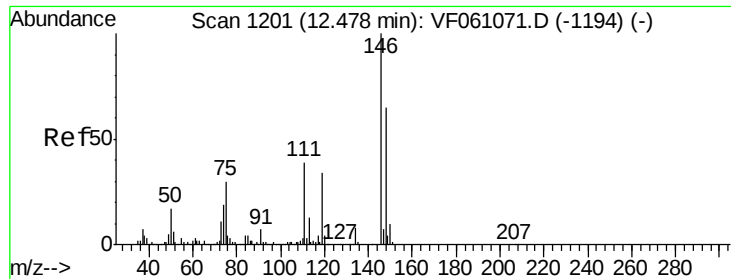
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#86
 p-Isopropyltoluene
 Concen: 22.083 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	283712		
134	25.7	12.8	38.4	
91	23.7	12.2	36.6	





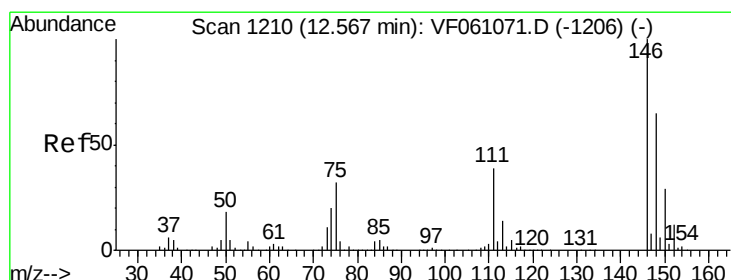
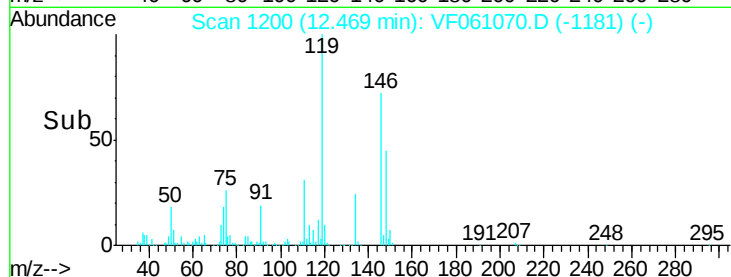
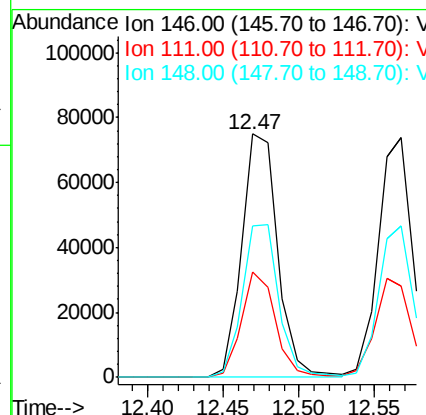
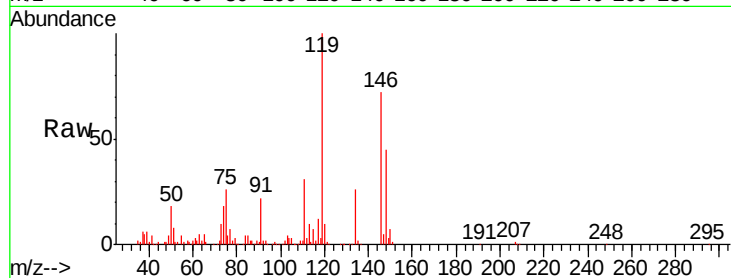
#87
 1,3-Dichlorobenzene
 Concen: 22.273 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.3	57.9
148	62.4	32.4	97.2

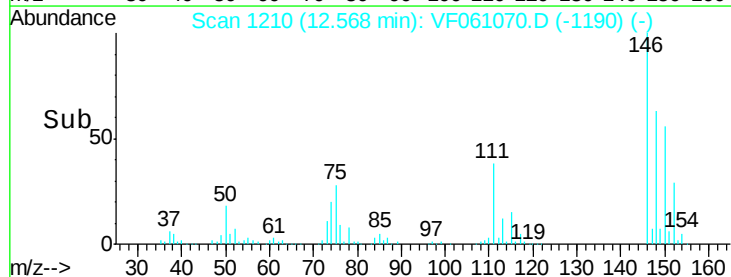
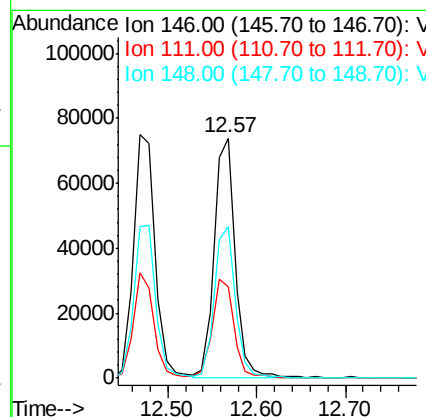
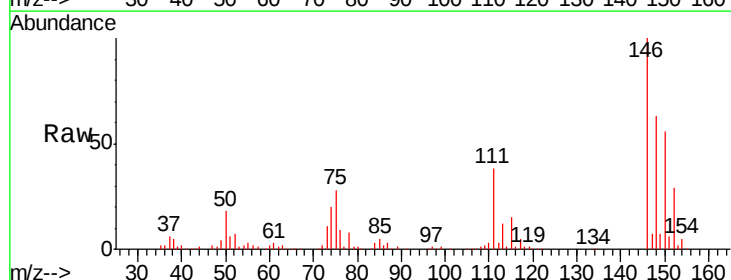
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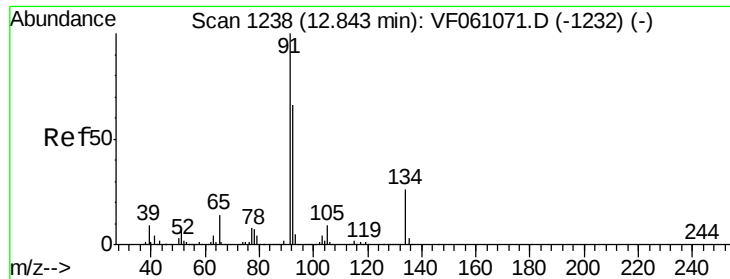
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#88
 1,4-Dichlorobenzene
 Concen: 22.073 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.4
148	63.0	32.4	97.0





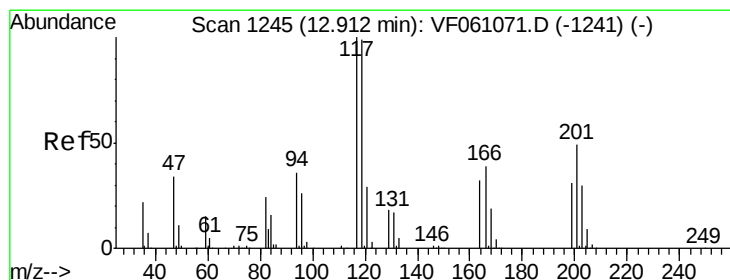
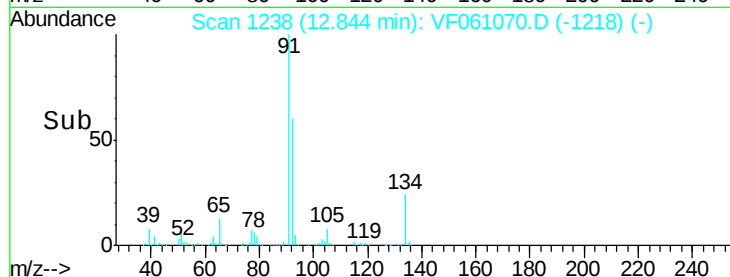
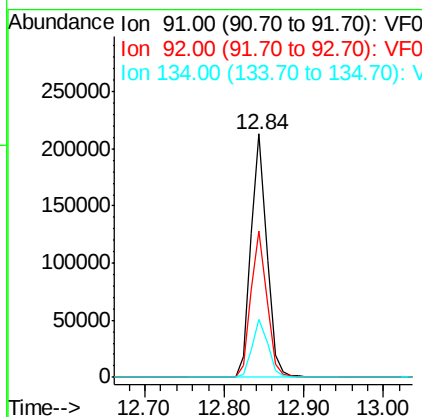
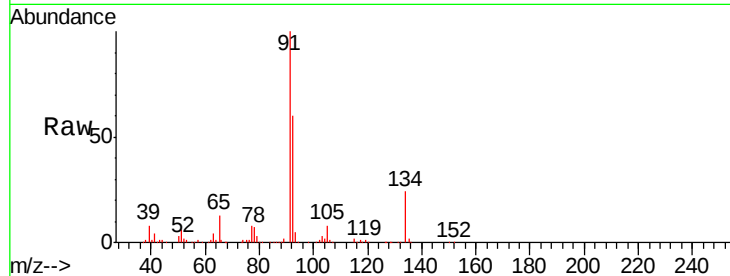
#89
n-Butylbenzene
Concen: 22.411 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	289778		
92	59.9		32.8	98.4
134	23.8		13.2	39.5

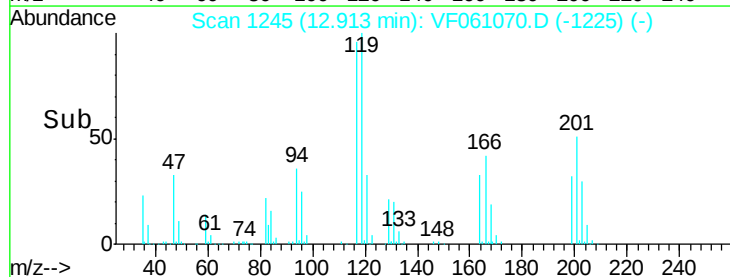
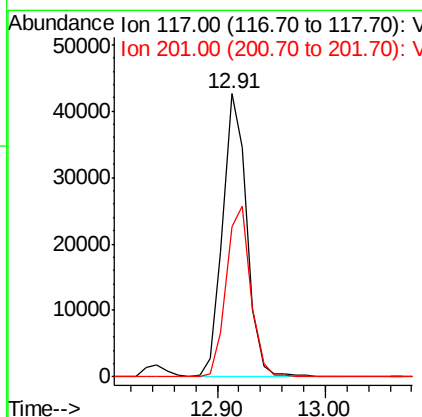
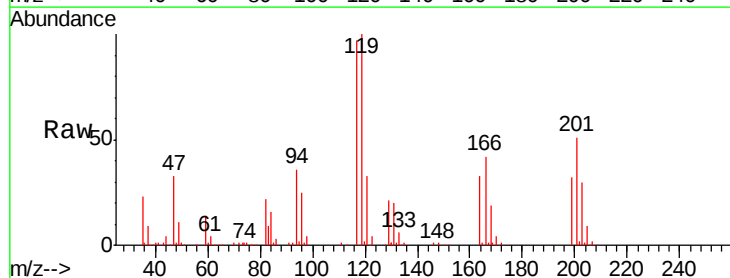
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#90
Hexachloroethane
Concen: 21.485 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	66209		
201	52.9		24.9	74.8





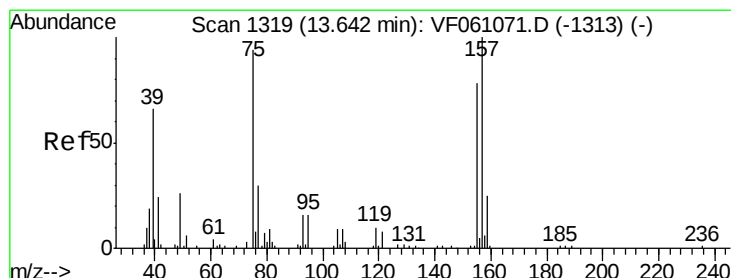
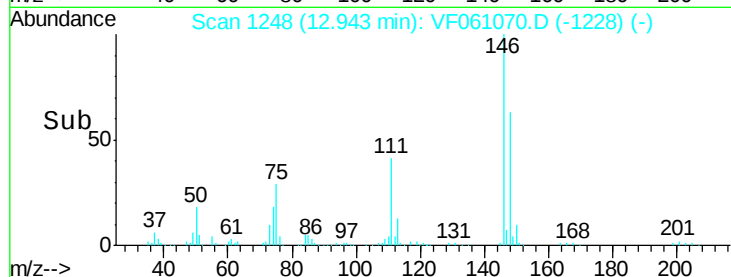
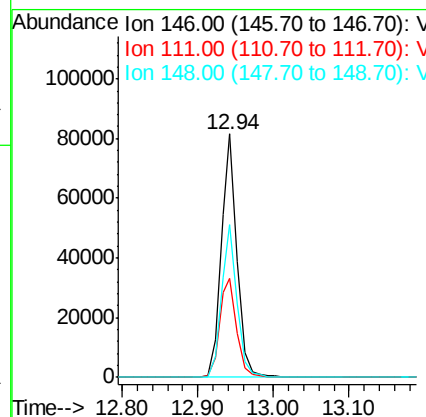
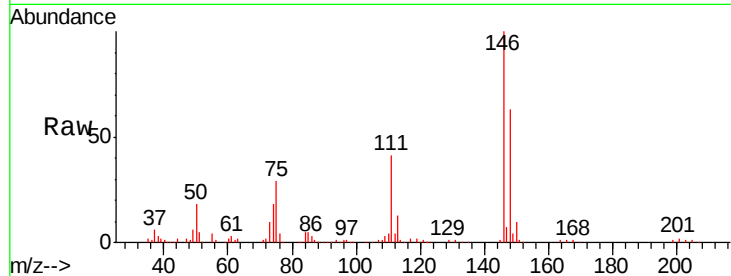
#91
 1,2-Dichlorobenzene
 Concen: 22.453 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119318		
111	40.7	23.2	69.5	
148	62.9	32.4	97.0	

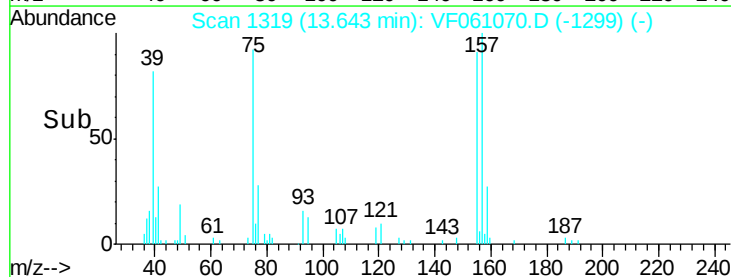
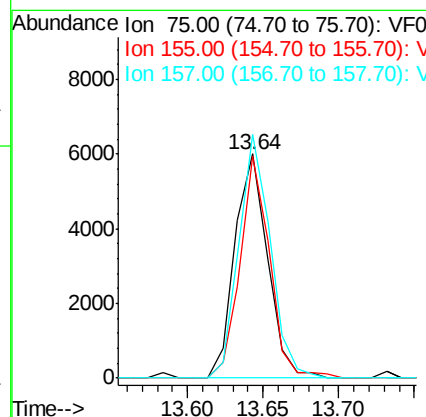
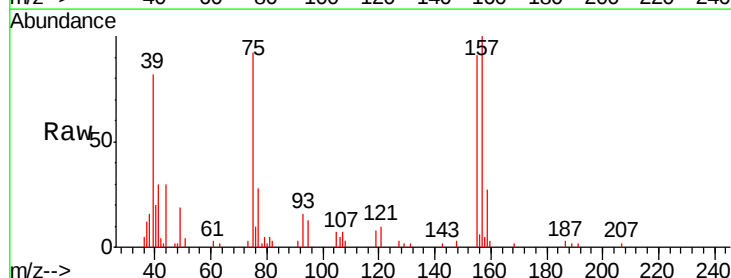
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.000 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9043		
155	99.0	41.5	124.5	
157	108.6	53.2	159.6	





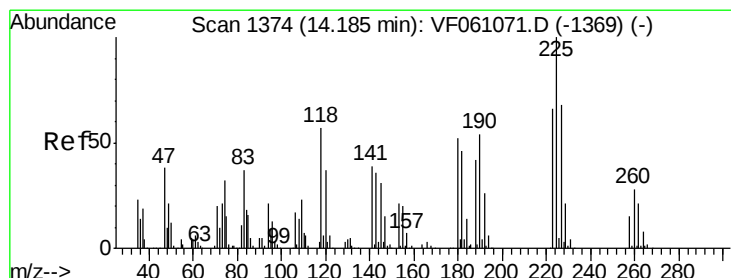
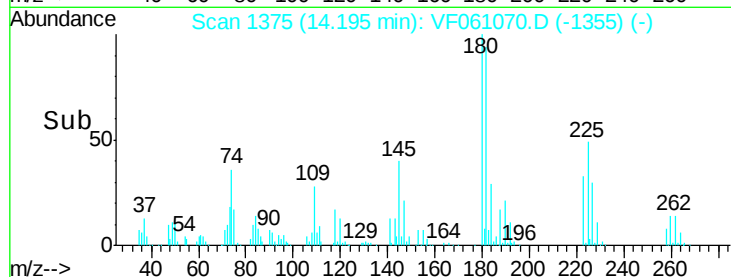
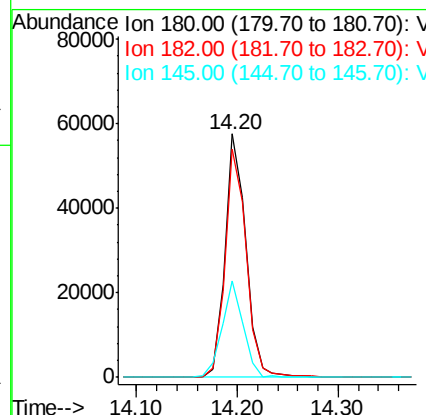
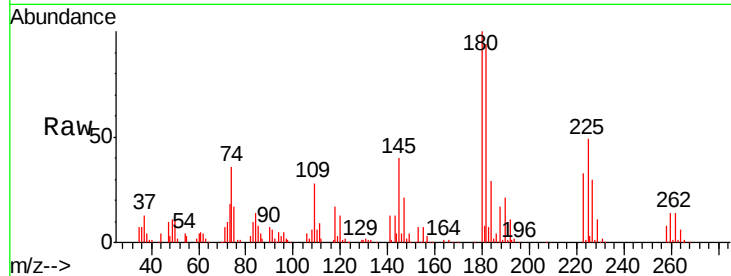
#93
 1,2,4-Trichlorobenzene
 Concen: 22.518 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83683		
182	94.0	46.9	140.6	
145	39.8	20.5	61.6	

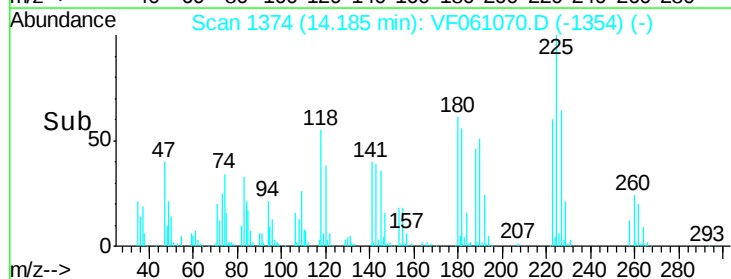
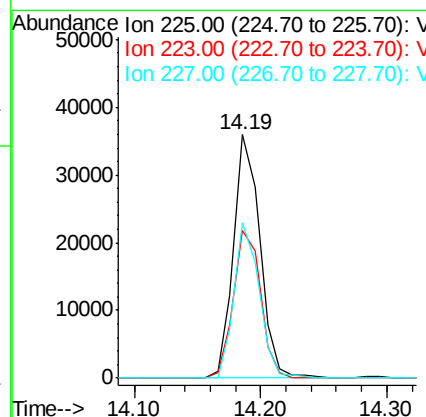
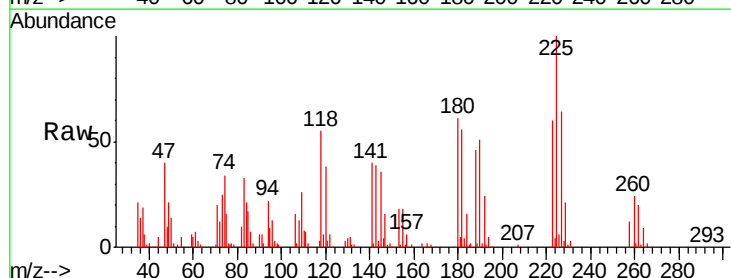
Manual Integrations
 APPROVED

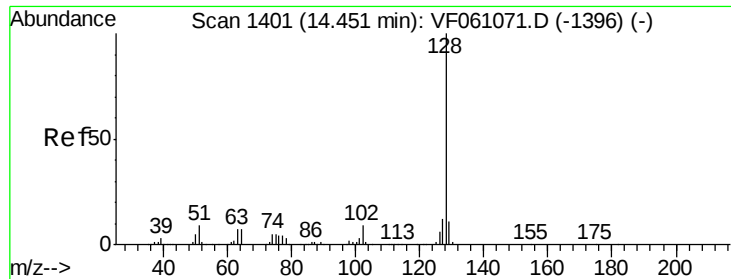
apatel
 12/20/2018 10:28:45 AM



#94
 Hexachlorobutadiene
 Concen: 20.970 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061070.D
 Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51882		
223	60.5	32.8	98.3	
227	63.9	34.0	101.8	





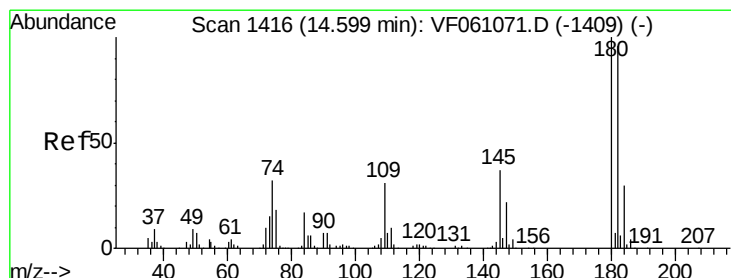
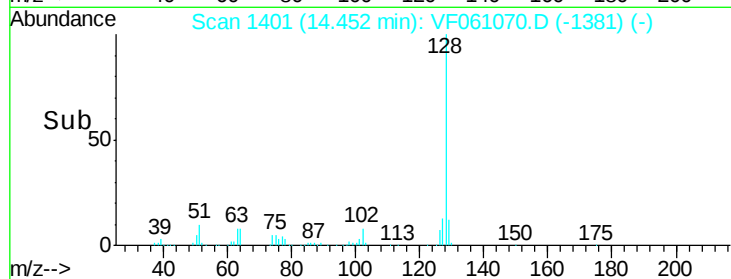
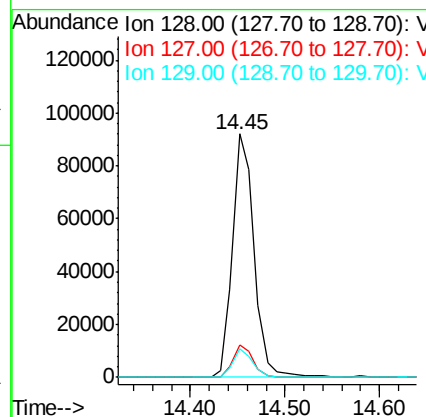
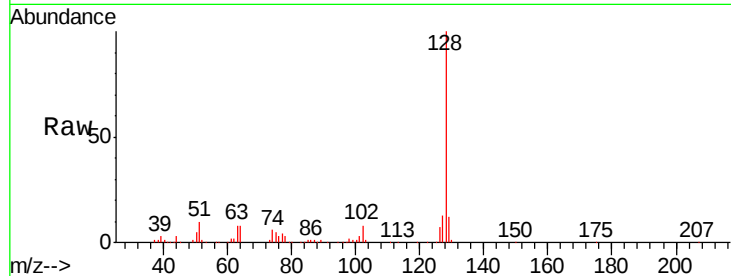
#95
Naphthalene
Concen: 17.915 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	146144		
127	13.1	9.4	14.2	
129	11.6	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.278 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF061070.D
Acq: 18 Dec 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74403		
182	93.4	47.9	143.8	
145	36.5	18.6	55.8	

