

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061068.D
 Acq On : 18 Dec 2018 18:25
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:28:37 AM

Quant Time: Dec 20 00:47:26 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	217882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	357355	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	332955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	170378	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	13694	5.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.70%	
35) Dibromofluoromethane	4.11	113	14592	5.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.48%	
50) Toluene-d8	7.55	98	41923	5.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.20%	
62) 4-Bromofluorobenzene	11.41	95	19040	5.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	25707	7.268	ug/l	89
3) Chloromethane	1.10	50	13906m	6.135	ug/l	
4) Vinyl Chloride	1.14	62	13542	6.455	ug/l #	87
5) Bromomethane	1.34	94	9122	6.254	ug/l #	80
6) Chloroethane	1.40	64	6406	7.084	ug/l	97
7) Trichlorofluoromethane	1.48	101	23950m	5.506	ug/l	
8) Diethyl Ether	1.63	74	3577	5.745	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	12838	5.845	ug/l #	80
10) Methyl Iodide	1.92	142	20860m	6.200	ug/l	
11) Tert butyl alcohol	2.57	59	2851	26.842	ug/l #	72
12) 1,1-Dichloroethene	1.80	96	9612	5.446	ug/l	88
13) Acrolein	2.00	56	2043m	22.153	ug/l	
14) Allyl chloride	2.10	41	11717	5.693	ug/l	91
15) Acrylonitrile	2.95	53	6711	27.606	ug/l #	91
16) Acetone	2.24	43	15382	31.306	ug/l #	83
17) Carbon Disulfide	1.82	76	28622m	5.914	ug/l	
18) Methyl Acetate	2.35	43	6396	7.030	ug/l #	86
19) Methyl tert-butyl Ether	2.43	73	20749	5.265	ug/l	98
20) Methylene Chloride	2.25	84	13730m	8.158	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	11686m	6.866	ug/l	
22) Diisopropyl ether	2.80	45	32281	5.415	ug/l	99
23) Vinyl Acetate	3.19	43	77002	28.142	ug/l	97
24) 1,1-Dichloroethane	2.87	63	20263	5.721	ug/l	96
25) 2-Butanone	4.36	43	25716	30.940	ug/l #	90
26) 2,2-Dichloropropane	3.60	77	12504	5.582	ug/l	89
27) cis-1,2-Dichloroethene	3.47	96	16645	6.034	ug/l	97
28) Bromochloromethane	3.72	49	9980	5.740	ug/l	91
29) Tetrahydrofuran	4.08	42	10659	30.409	ug/l #	91
30) Chloroform	3.85	83	30831	5.638	ug/l	92
31) Cyclohexane	3.69	56	21423m	5.767	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	17807	4.919	ug/l #	87
36) 1,1-Dichloropropene	4.27	75	26425	6.604	ug/l	88
37) Ethyl Acetate	4.11	43	12172	7.530	ug/l	100
38) Carbon Tetrachloride	3.99	117	17575	5.187	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	20774m	4.994	ug/l	
40) Benzene	4.63	78	53808	6.113	ug/l	95
41) Methacrylonitrile	4.74	41	5163	5.395	ug/l	90
42) 1,2-Dichloroethane	4.94	62	17593	5.482	ug/l	95
43) Isopropyl Acetate	6.97	43	10868	5.012	ug/l #	85
44) Trichloroethene	5.50	130	16196	5.641	ug/l	98
45) 1,2-Dichloropropane	6.24	63	13341	5.859	ug/l	95
46) Dibromomethane	6.08	93	8883	5.759	ug/l	97
47) Bromodichloromethane	6.39	83	22287	5.427	ug/l	98
48) Methyl methacrylate	6.71	41	7758	5.353	ug/l	94
49) 1,4-Dioxane	6.71	88	1238	118.151	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	40545	27.535	ug/l	96
52) Toluene	7.62	92	32983	5.352	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	19299	5.821	ug/l	93
54) cis-1,3-Dichloropropene	7.31	75	21978	5.372	ug/l #	89
55) 1,1,2-Trichloroethane	8.49	97	9930	5.599	ug/l	90
56) Ethyl methacrylate	8.62	69	10404	5.320	ug/l	98
57) 1,3-Dichloropropane	8.85	76	19180	6.161	ug/l #	87
58) 2-Chloroethyl Vinyl ether	7.30	63	8331	35.978	ug/l	90
59) 2-Hexanone	9.50	43	30710	29.513	ug/l	98
60) Dibromochloromethane	8.72	129	13273	5.011	ug/l	97
61) 1,2-Dibromoethane	8.98	107	10315	5.350	ug/l	85
64) Tetrachloroethene	8.14	164	14037	5.500	ug/l	90
65) Chlorobenzene	9.80	112	38294	5.953	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.93	131	15463	5.612	ug/l	93
67) Ethyl Benzene	9.90	91	70875	5.903	ug/l	95
68) m/p-Xylenes	10.13	106	52322	12.074	ug/l	92
69) o-Xylene	10.71	106	27497	5.765	ug/l	96
70) Styrene	10.79	104	39758	6.056	ug/l	94
71) Bromoform	10.77	173	6949	5.247	ug/l #	88
73) Isopropylbenzene	11.12	105	85976	6.302	ug/l	97
74) N-amyl acetate	11.37	43	18373	5.893	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	12938	5.783	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	10217	6.235	ug/l	95
77) Bromobenzene	11.50	156	17873	6.056	ug/l	86
78) n-propylbenzene	11.60	91	99616	6.231	ug/l	100
79) 2-Chlorotoluene	11.71	91	58474	6.371	ug/l	92
80) 1,3,5-Trimethylbenzene	11.82	105	68223	6.164	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	3916m	4.968	ug/l	
82) 4-Chlorotoluene	11.90	91	61157	6.356	ug/l	92
83) tert-Butylbenzene	12.13	119	73892	6.527	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	73581	6.726	ug/l	97
85) sec-Butylbenzene	12.31	105	96112	6.263	ug/l	98
86) p-Isopropyltoluene	12.46	119	76592	5.934	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	36323	6.472	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	33407	6.104	ug/l	97
89) n-Butylbenzene	12.84	91	81732	6.292	ug/l	90
90) Hexachloroethane	12.92	117	18695	6.038	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	32002	5.994	ug/l	85
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2207	5.102	ug/l	84

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ClientSampleId :
VSTDICC005

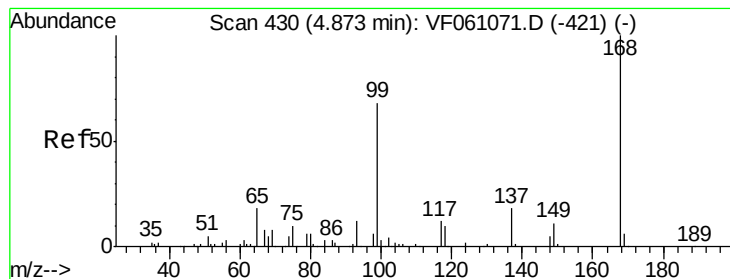
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	22662	6.070	ug/l	89
94) Hexachlorobutadiene	14.19	225	13962	5.617	ug/l	99
95) Naphthalene	14.46	128	38005	4.637	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	19792	5.634	ug/l	91

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



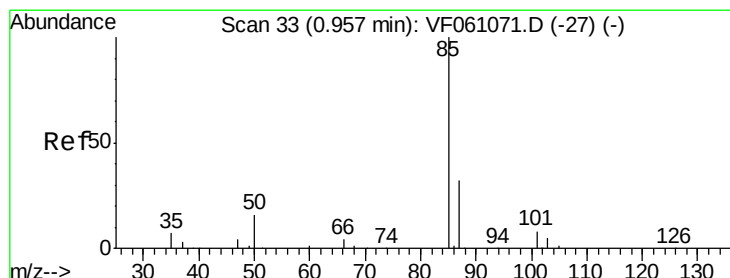
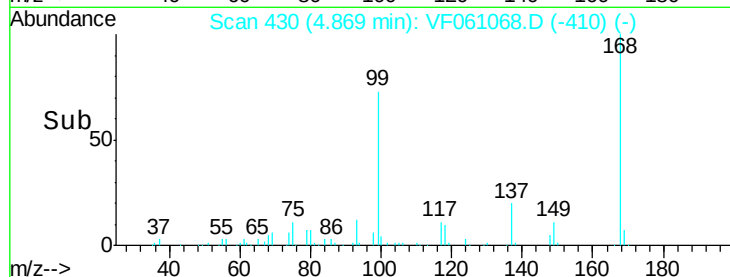
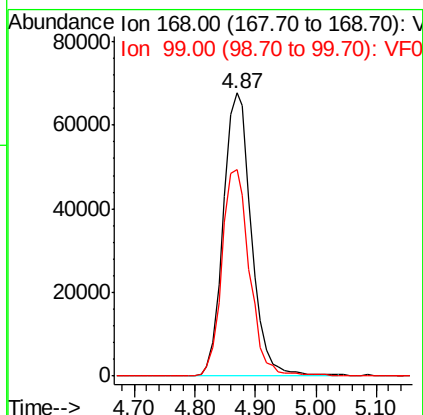
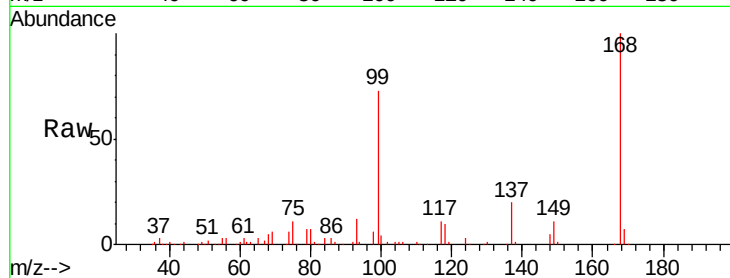
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
168	100		
99	72.9	54.4	81.6

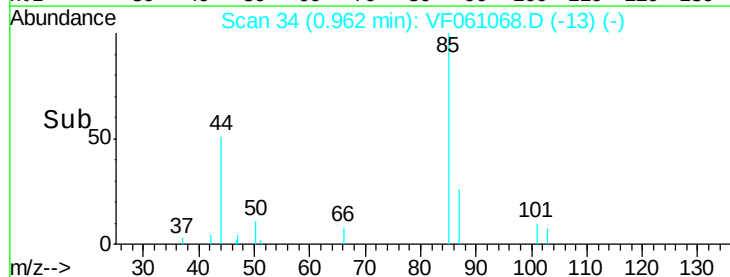
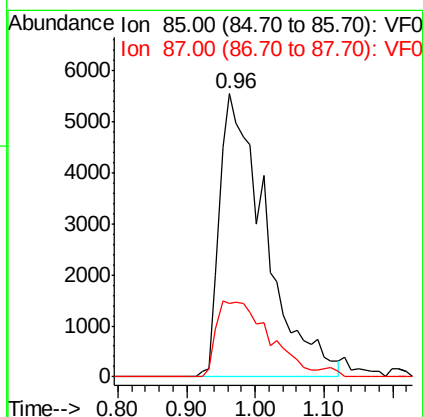
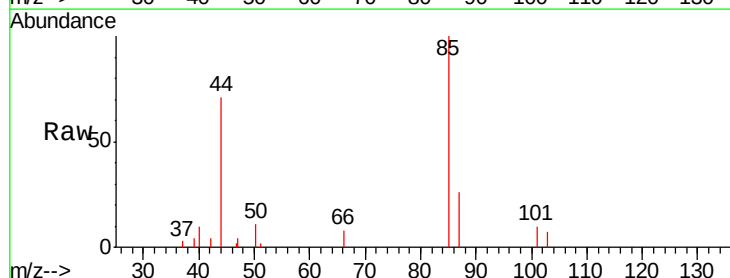
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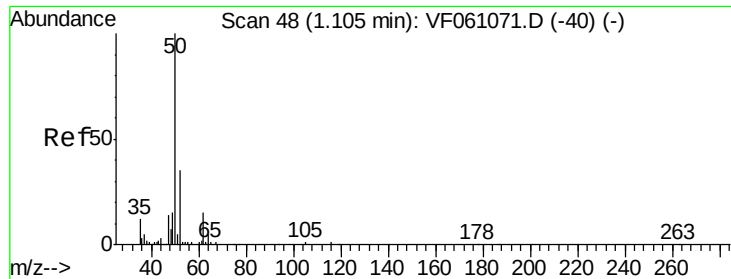
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#2
Dichlorodifluoromethane
Concen: 7.268 ug/l
RT: 0.96 min Scan# 34
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	25.8	15.9	47.6





#3

Chloromethane

Concen: 6.135 ug/l m

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 13906

Ion Ratio Lower Upper

50 100

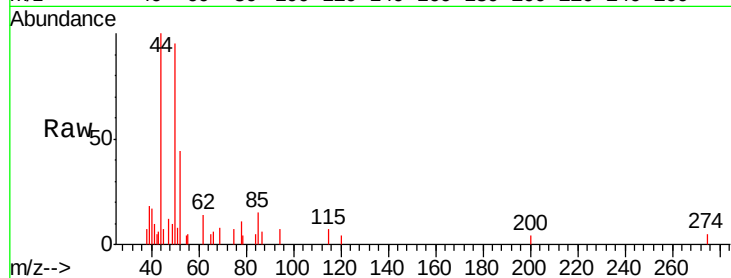
52 46.3 26.3 39.5#

Manual Integrations

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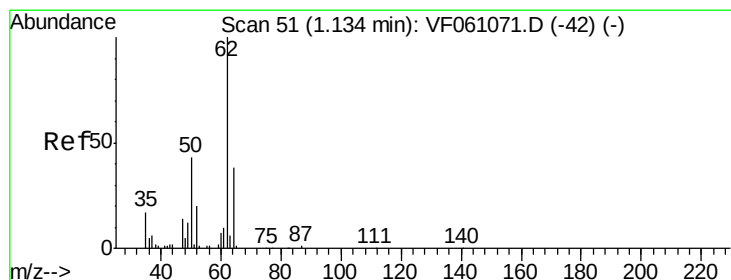
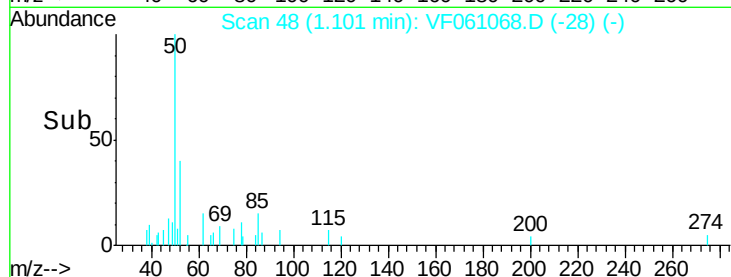
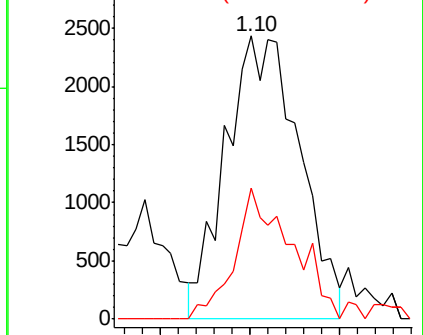
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 6.455 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061068.D

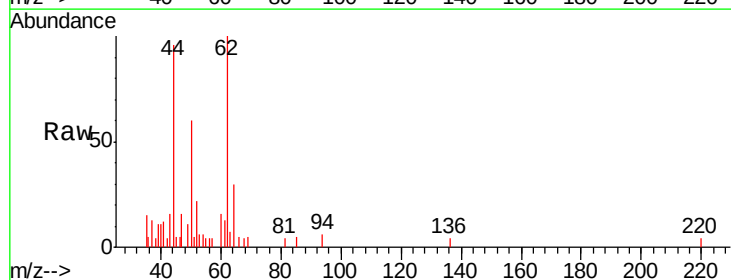
Acq: 18 Dec 2018 18:25

Tgt Ion: 62 Resp: 13542

Ion Ratio Lower Upper

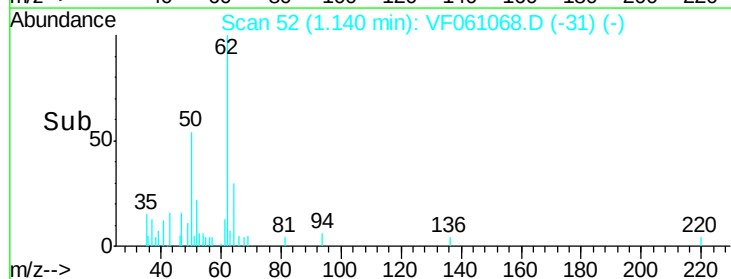
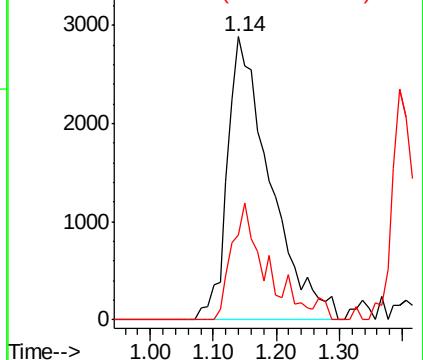
62 100

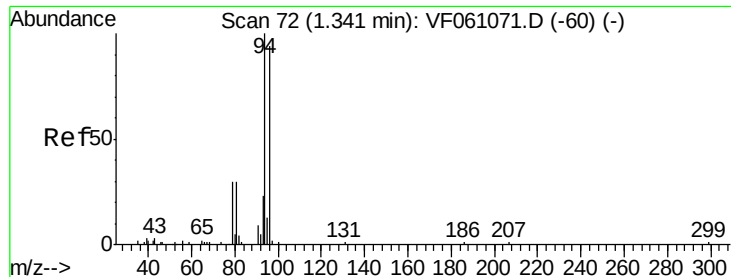
64 30.2 30.4 45.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 6.254 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

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Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 9122

Ion Ratio Lower Upper

94 100

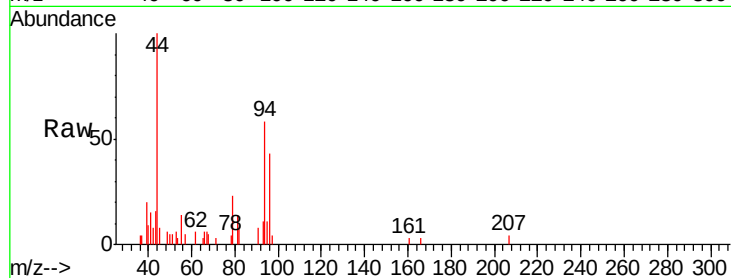
96 73.8 74.4 111.6#

Manual Integrations

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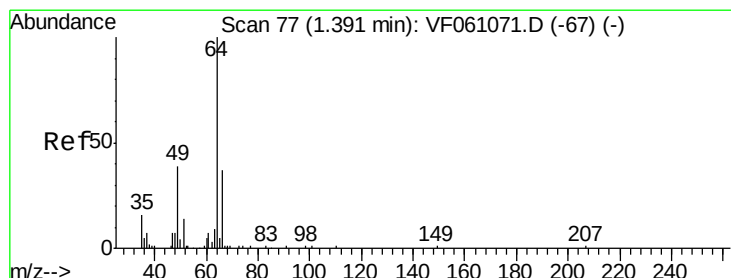
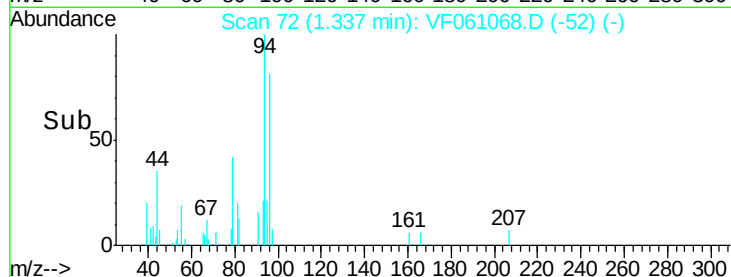
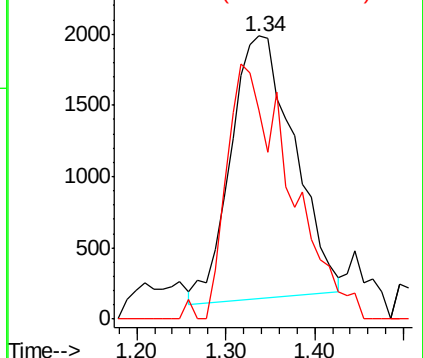
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 7.084 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061068.D

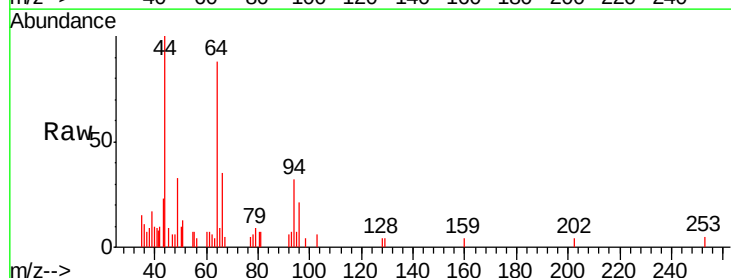
Acq: 18 Dec 2018 18:25

Tgt Ion: 64 Resp: 6406

Ion Ratio Lower Upper

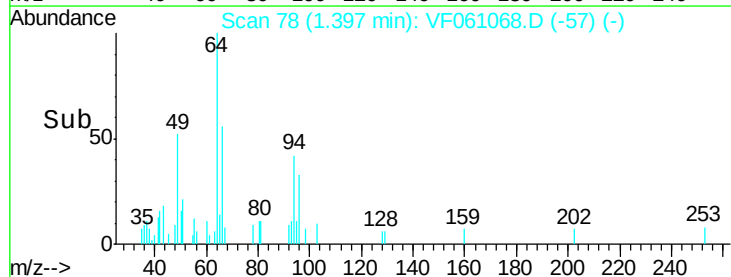
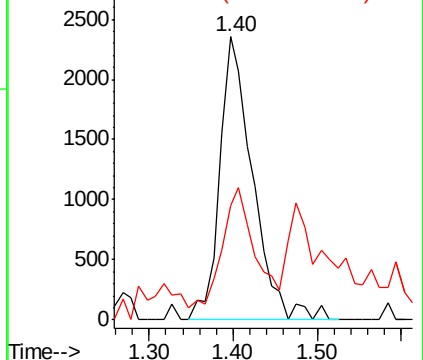
64 100

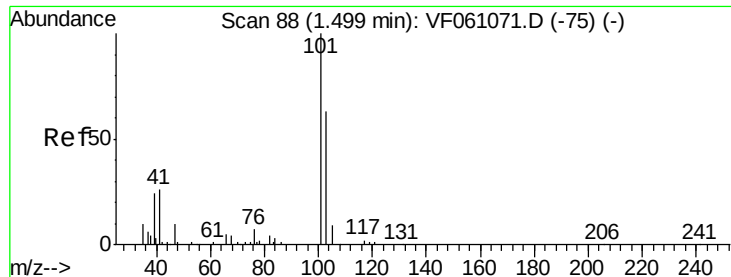
66 40.4 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

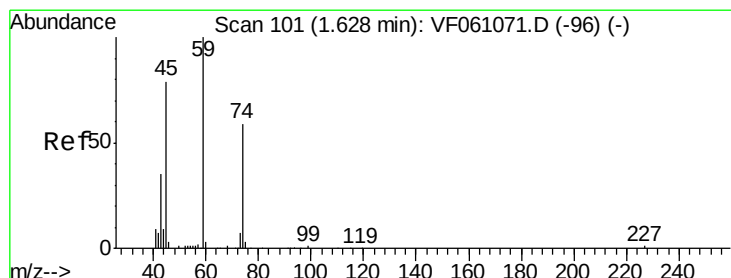
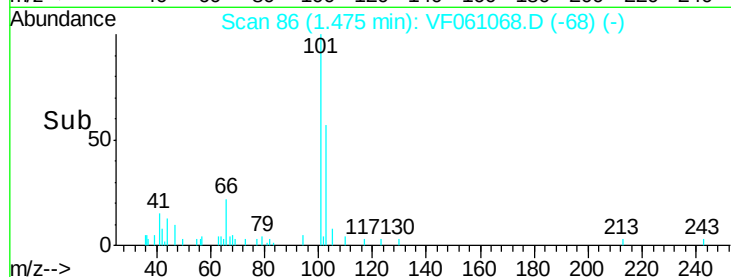
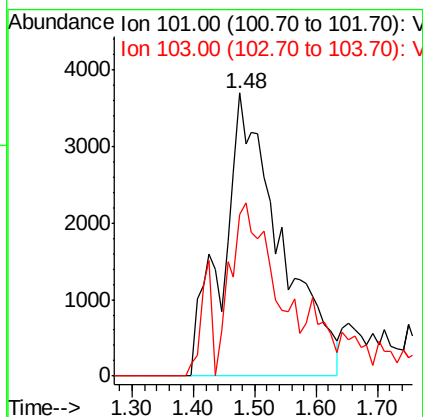
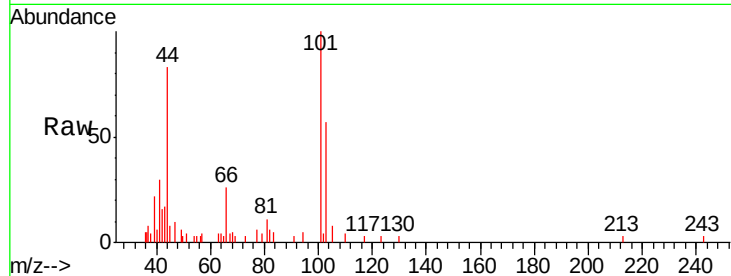
Trichlorofluoromethane
Concen: 5.506 ug/l m
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 101 Resp: 23950
Ion Ratio Lower Upper
101 100
103 57.3 50.7 76.1

Manual Integrations
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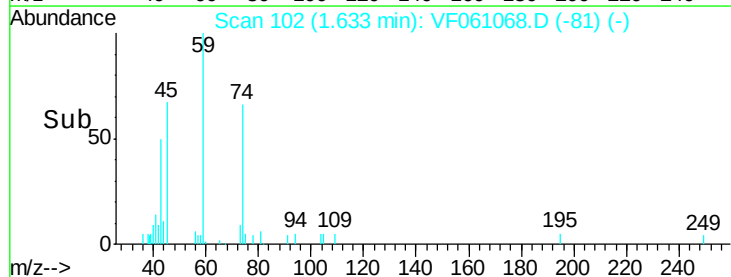
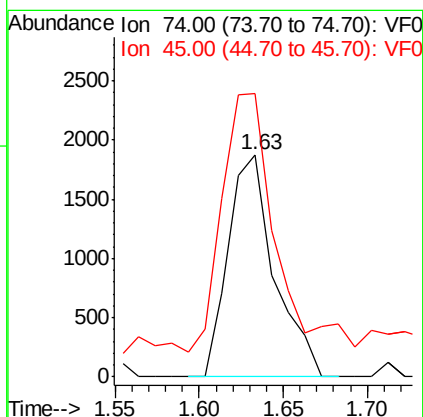
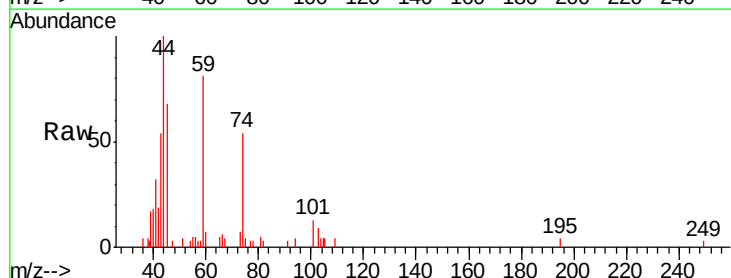
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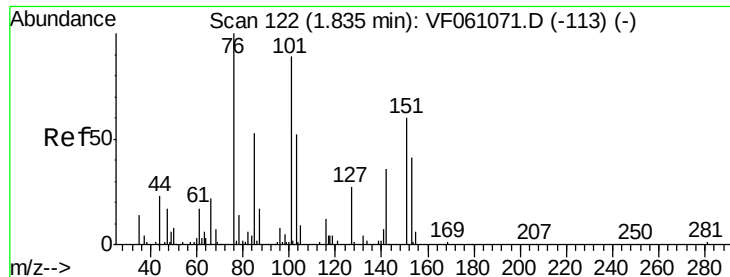


#8

Diethyl Ether
Concen: 5.745 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion: 74 Resp: 3577
Ion Ratio Lower Upper
74 100
45 127.3 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.845 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

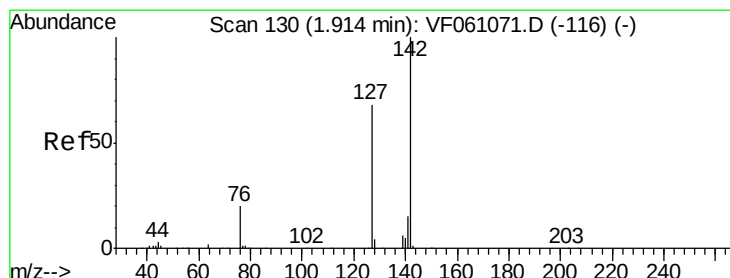
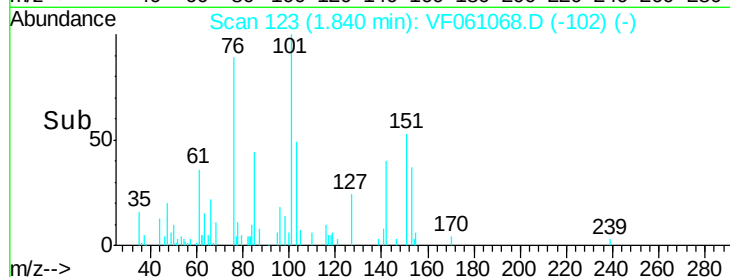
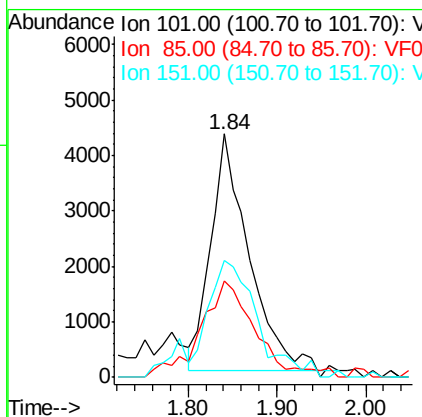
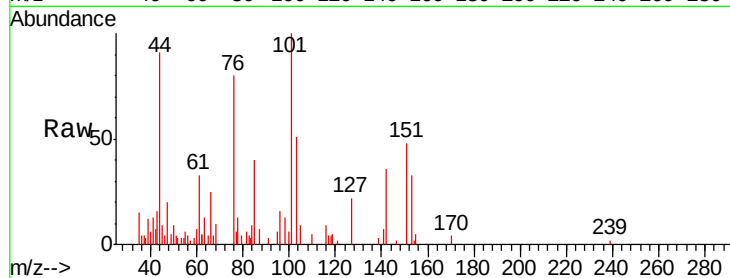
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	12838
Ion Ratio	Lower	Upper	
101	100		
85	39.7	44.5	66.7#
151	47.9	49.9	74.9#

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#10

Methyl Iodide

Concen: 6.200 ug/l m

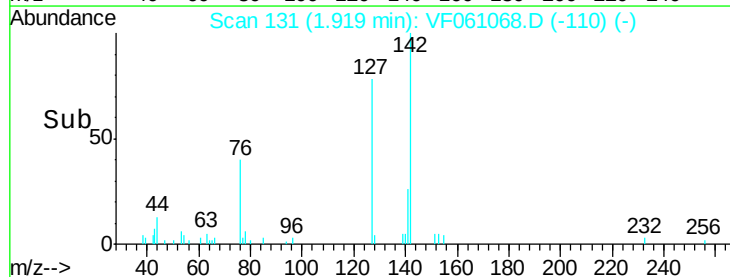
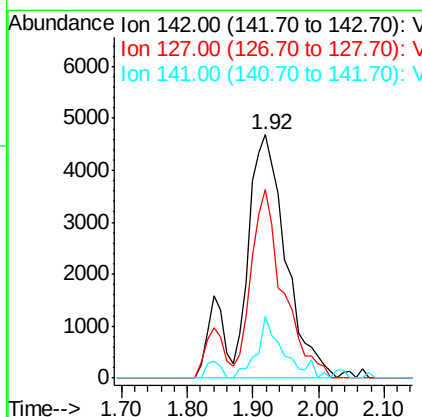
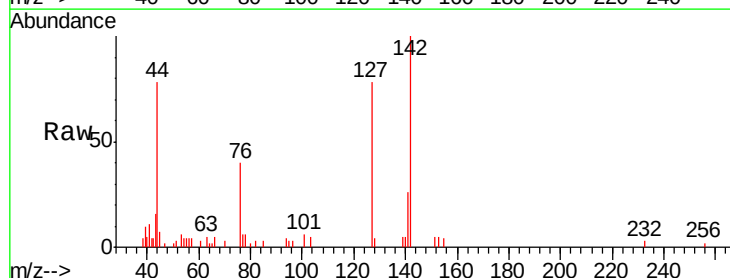
RT: 1.92 min Scan# 131

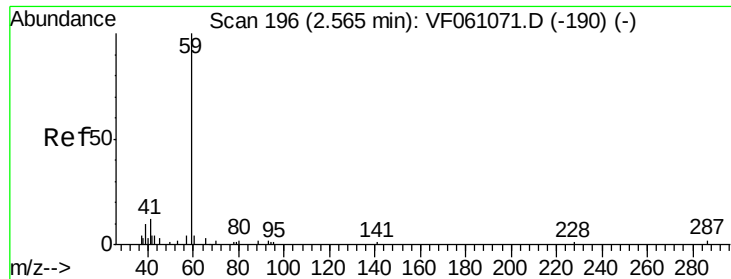
Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	142	Resp:	20860
Ion Ratio	Lower	Upper	
142	100		
127	77.6	54.7	82.1
141	25.7	12.2	18.2#





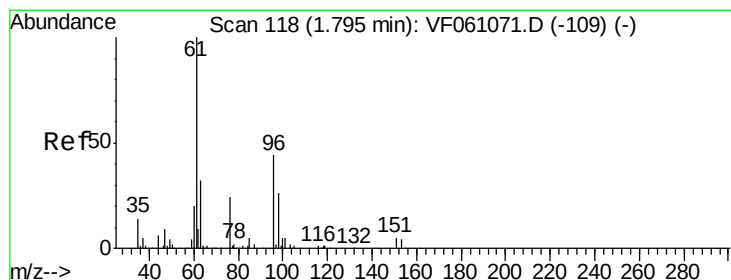
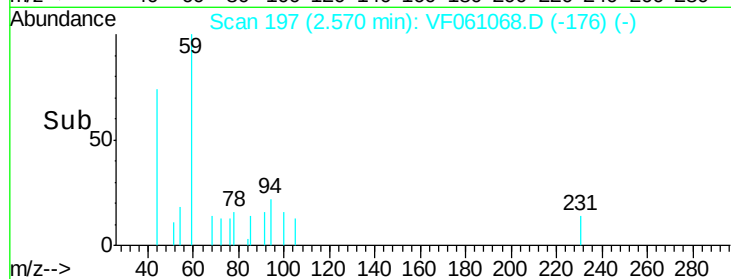
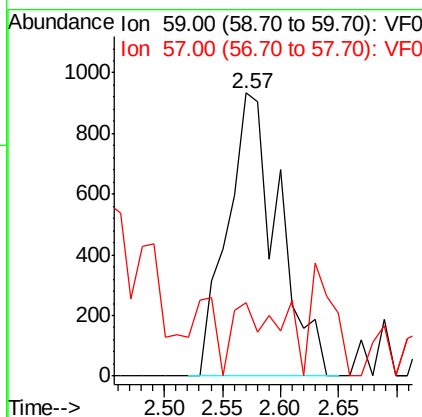
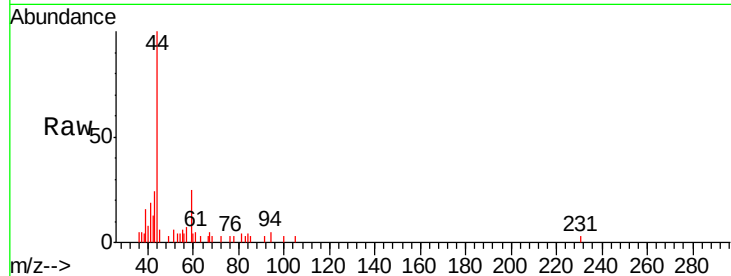
#11
Tert butyl alcohol
Concen: 26.842 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
59	100		
57	25.9	11.5	17.3#

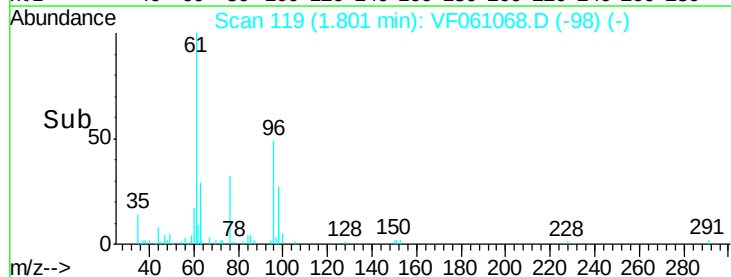
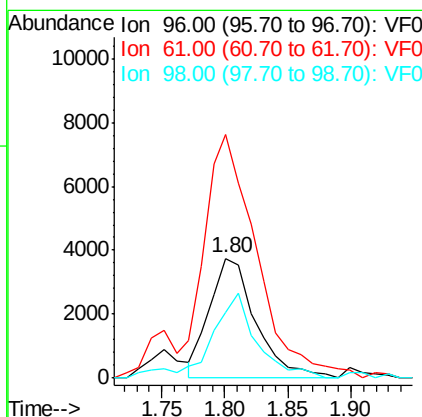
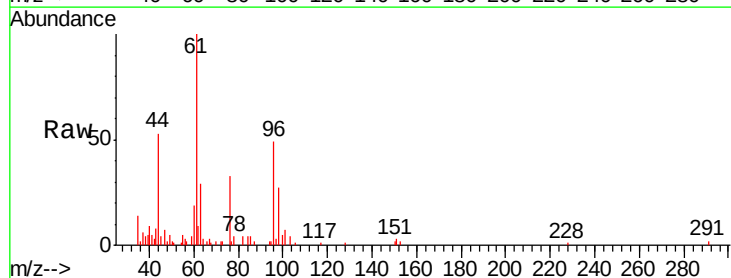
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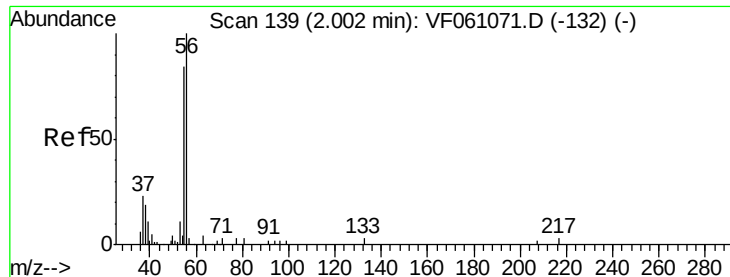
apatel
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#12
1,1-Dichloroethene
Concen: 5.446 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.6	182.0	273.0
98	54.9	46.5	69.7





#13

Acrolein

Concen: 22.153 ug/l m

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 2043

Ion Ratio Lower Upper

56 100

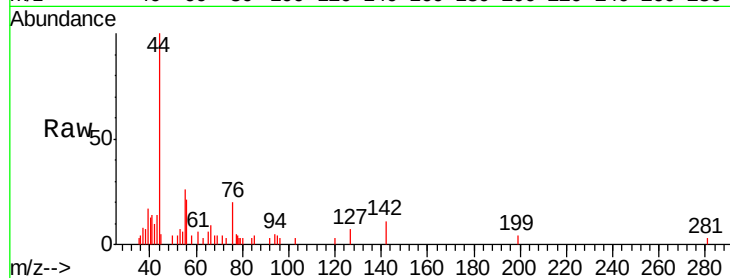
55 123.3 70.2 105.2#

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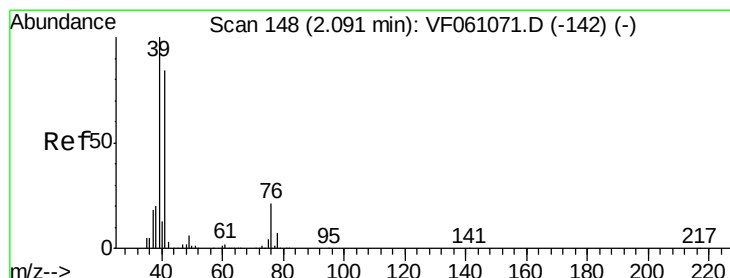
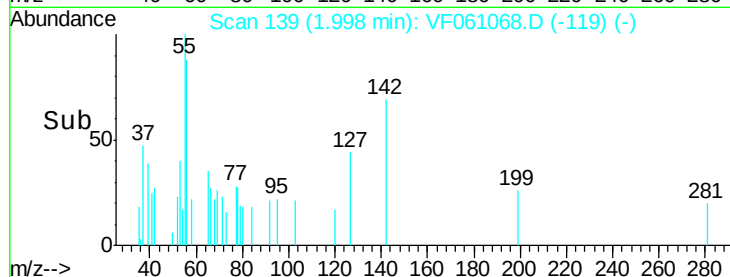
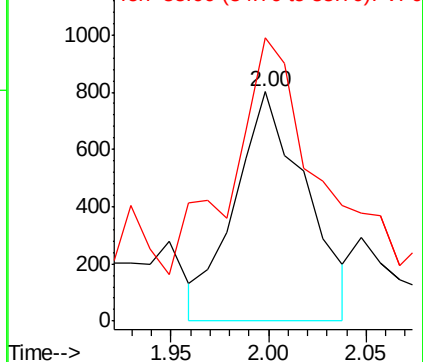
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 5.693 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

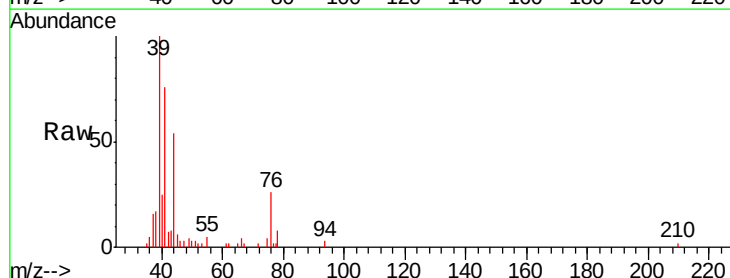
Tgt Ion: 41 Resp: 11717

Ion Ratio Lower Upper

41 100

39 131.4 96.4 144.6

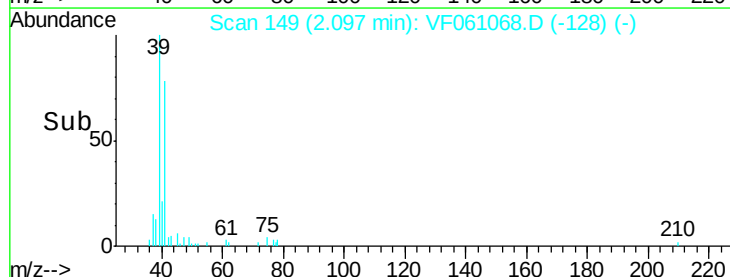
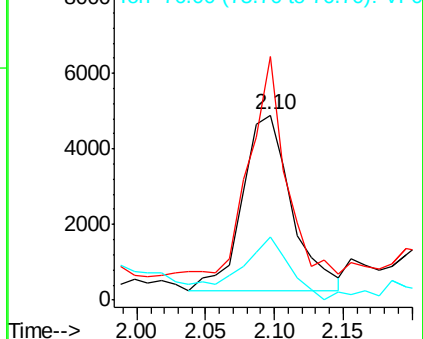
76 33.8 25.4 38.0

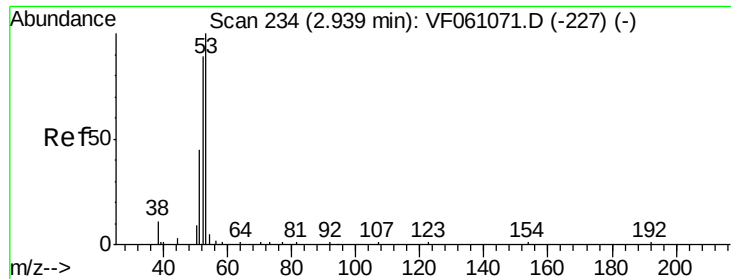


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 27.606 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

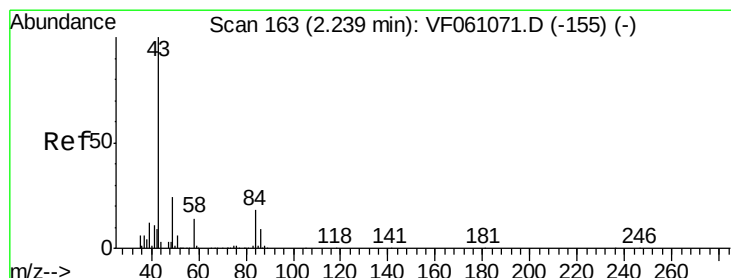
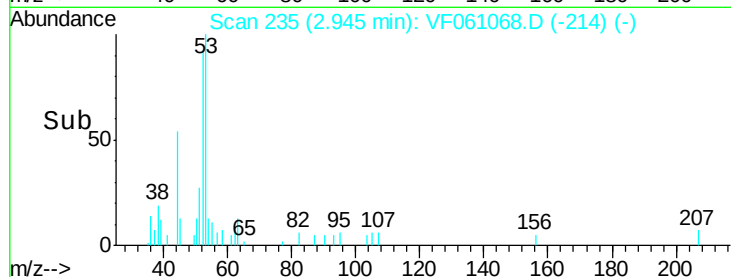
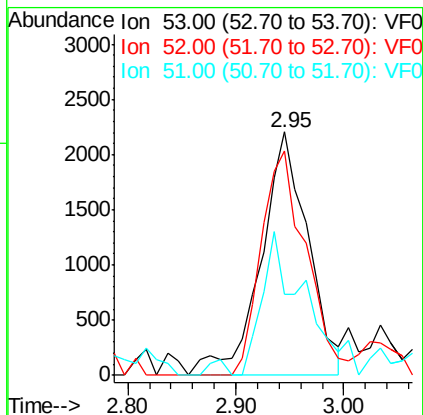
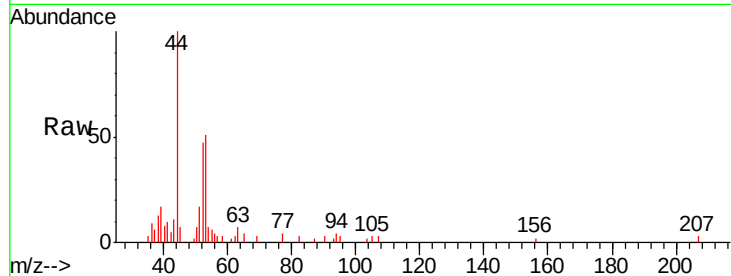
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	6711
Ion	Ratio	Lower	Upper
53	100		
52	92.4	71.3	106.9
51	33.6	36.8	55.2#

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#16

Acetone

Concen: 31.306 ug/l

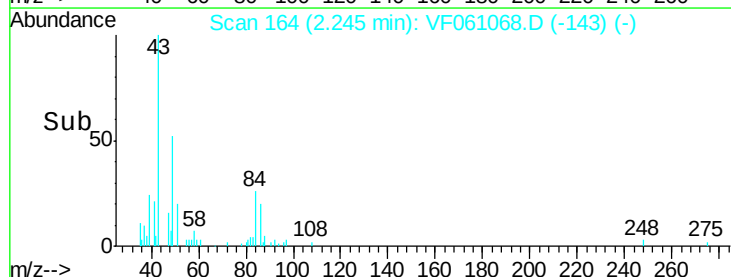
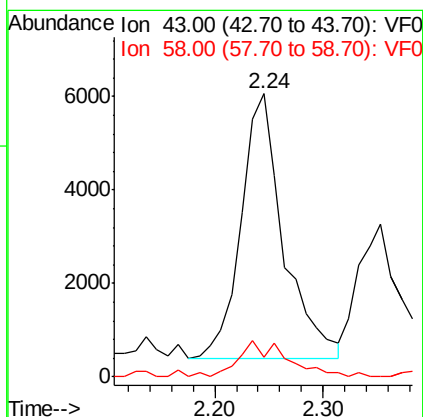
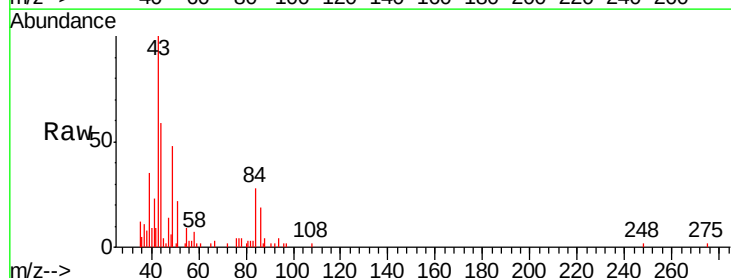
RT: 2.24 min Scan# 164

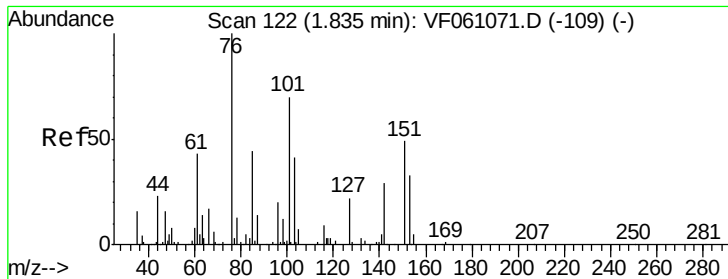
Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	43	Resp:	15382
Ion	Ratio	Lower	Upper
43	100		
58	6.8	11.1	16.7#





#17

Carbon Disulfide

Concen: 5.914 ug/l m

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061068.D

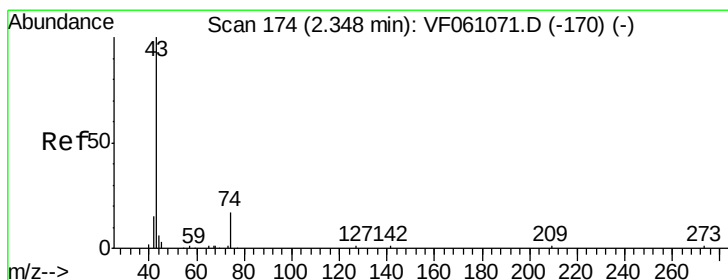
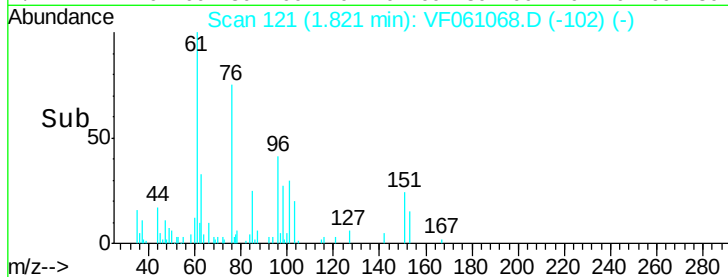
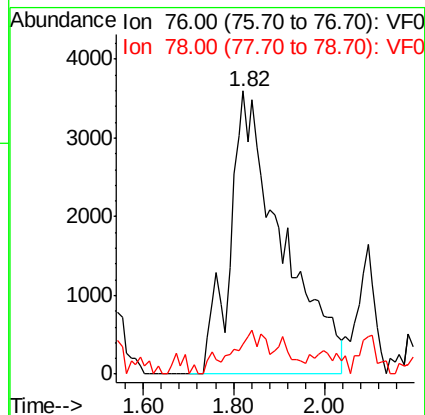
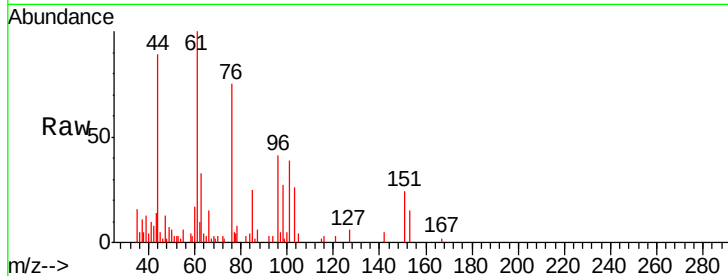
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.8	10.2	15.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

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#18

Methyl Acetate

Concen: 7.030 ug/l

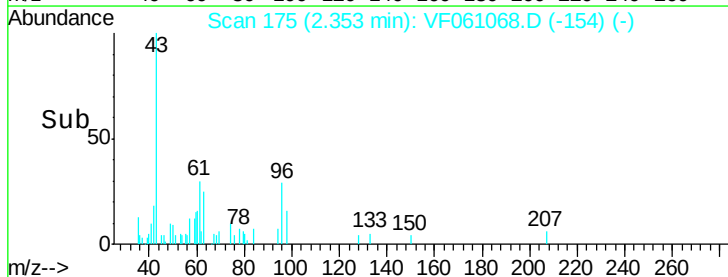
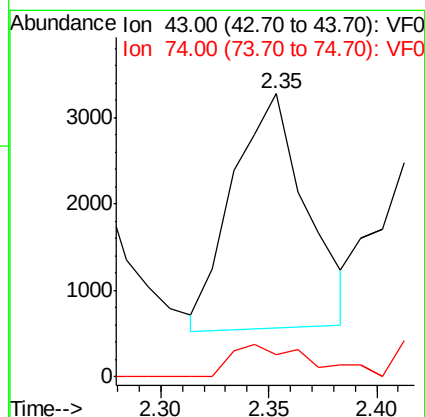
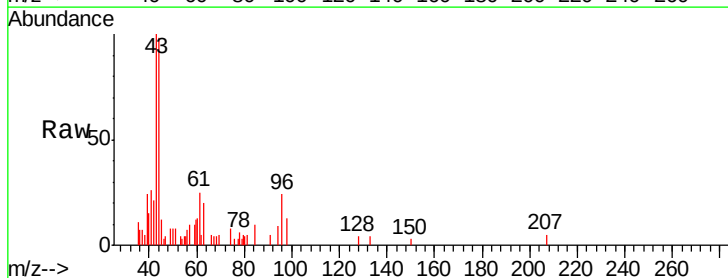
RT: 2.35 min Scan# 175

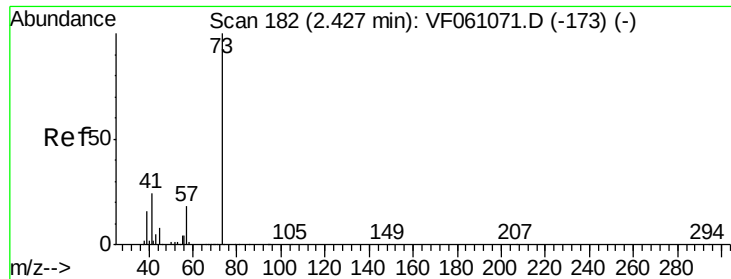
Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	8.1	11.0	16.6#





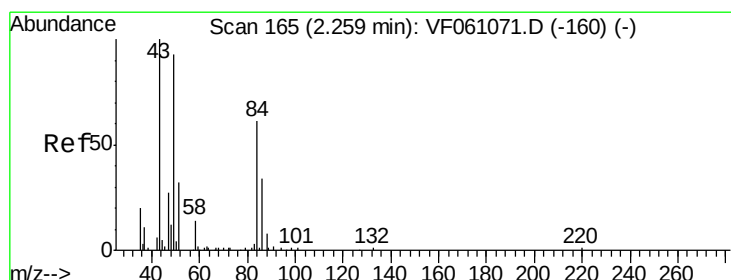
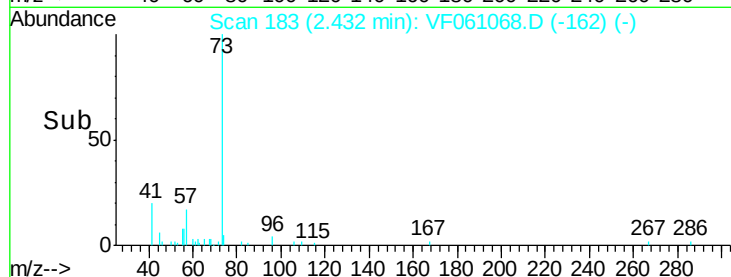
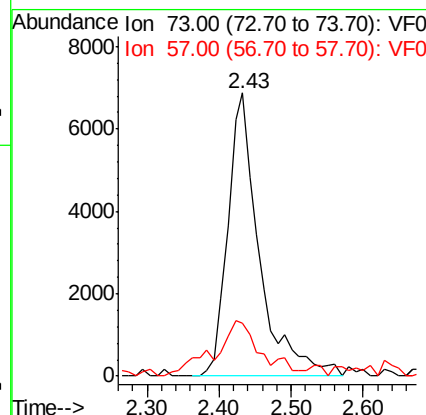
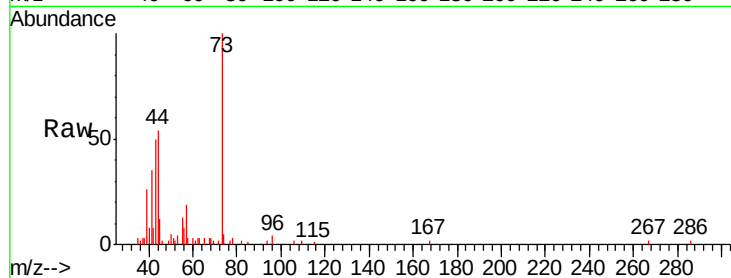
#19
Methyl tert-butyl Ether
Concen: 5.265 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.5	21.7

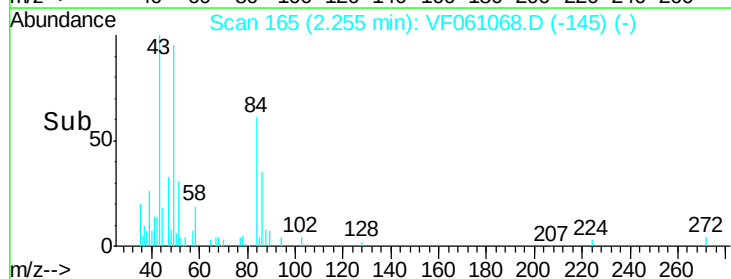
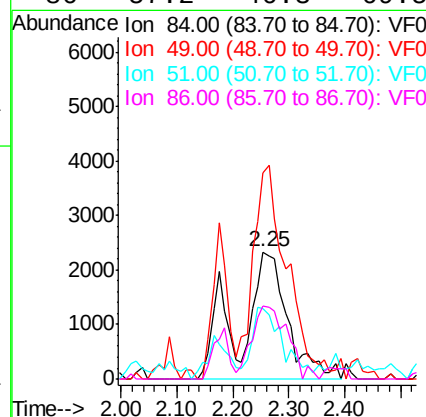
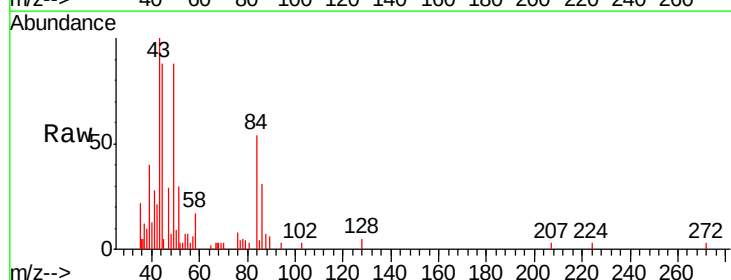
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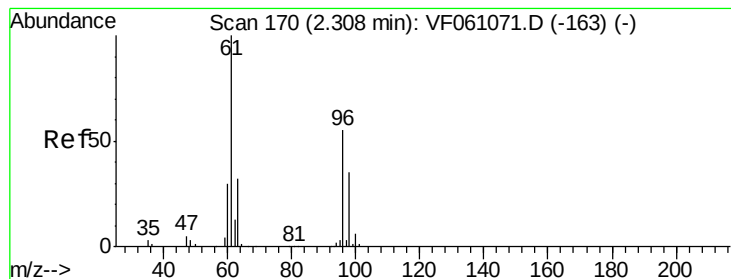
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#20
Methylene Chloride
Concen: 8.158 ug/l m
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.1	129.4	194.2
51	55.2	44.0	66.0
86	57.2	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 6.866 ug/l m

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

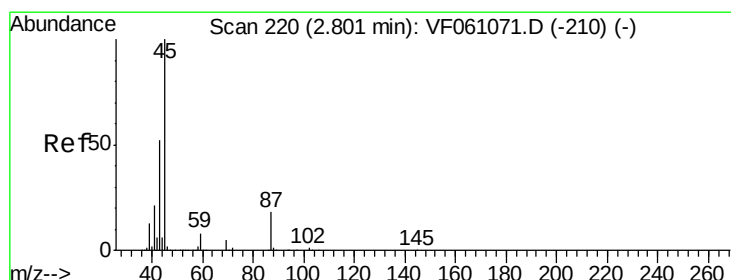
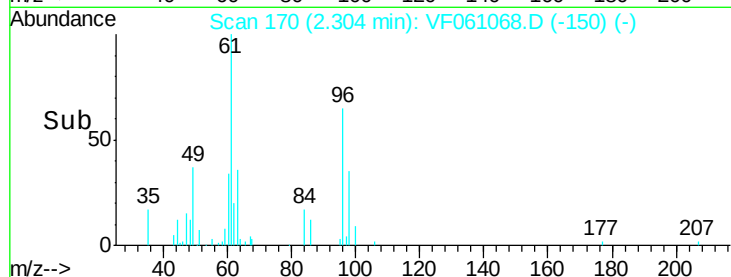
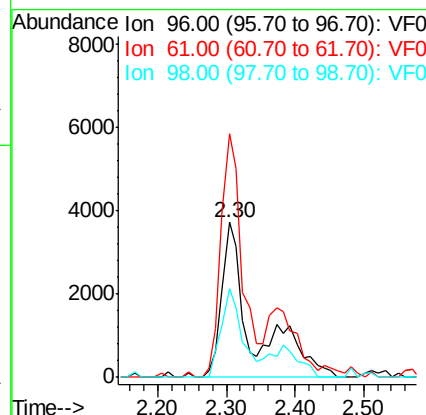
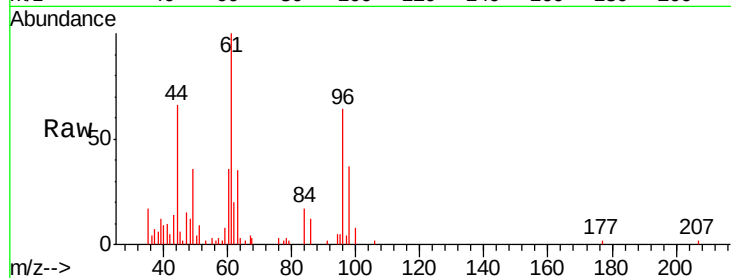
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	11686
Ion	Ratio	Lower	Upper
96	100		
61	157.0	146.0	219.0
98	57.4	51.6	77.4

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#22

Diisopropyl ether

Concen: 5.415 ug/l

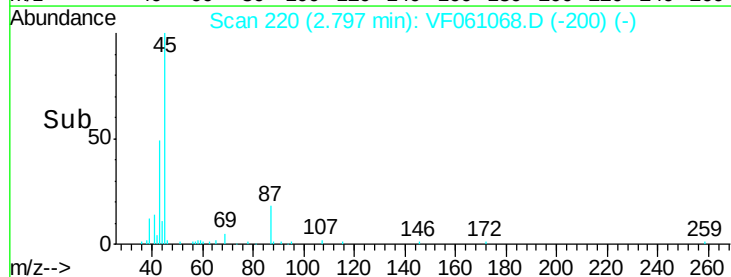
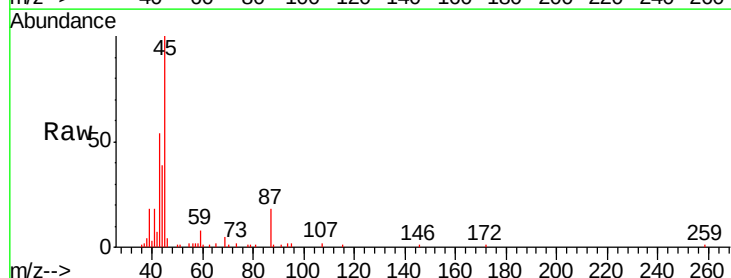
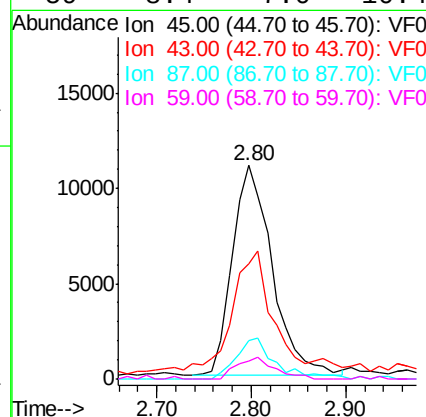
RT: 2.80 min Scan# 220

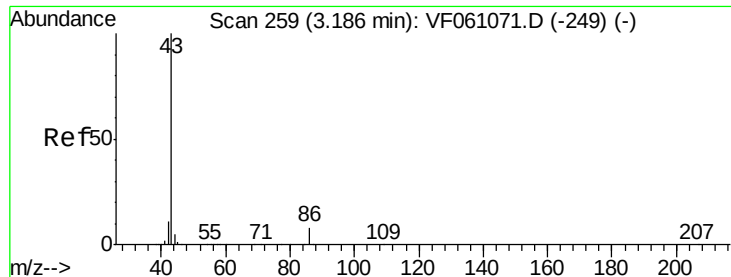
Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	45	Resp:	32281
Ion	Ratio	Lower	Upper
45	100		
43	53.7	42.2	63.2
87	17.7	14.6	22.0
59	8.4	7.0	10.4





#23

Vinyl Acetate

Concen: 28.142 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 77002

Ion Ratio Lower Upper

43 100

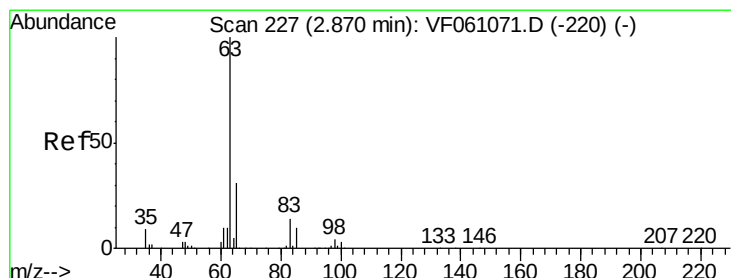
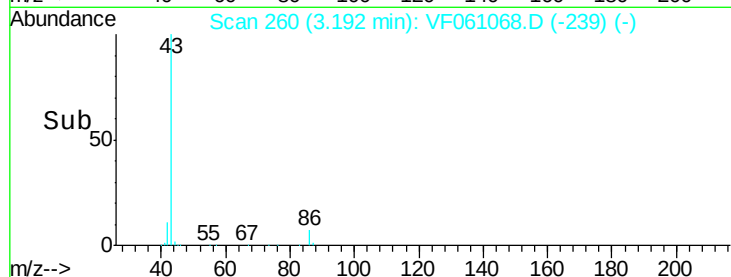
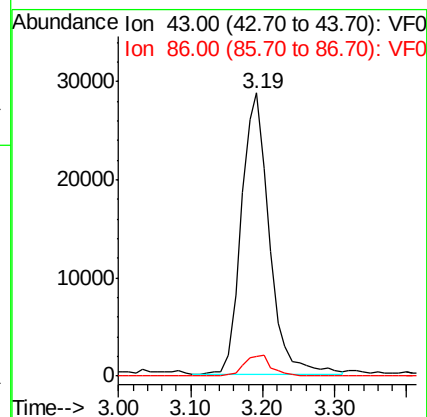
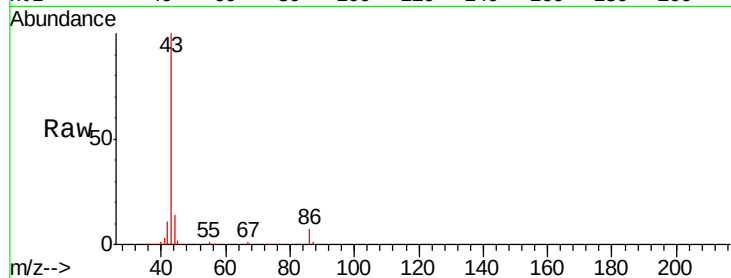
86 7.0 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 5.721 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

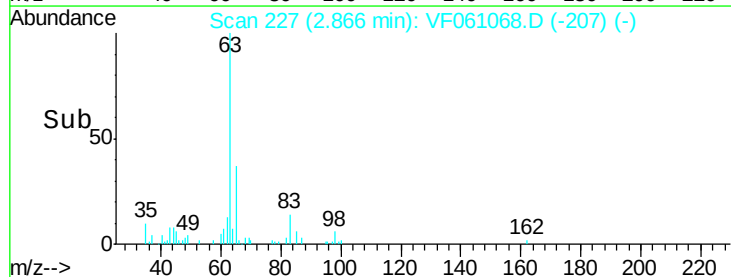
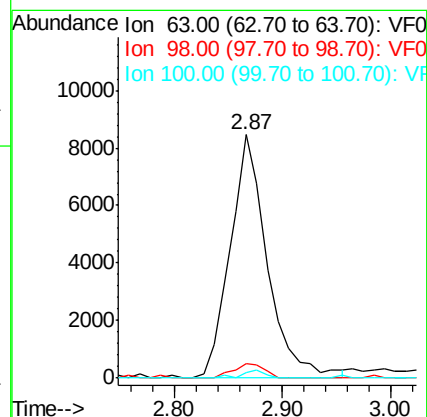
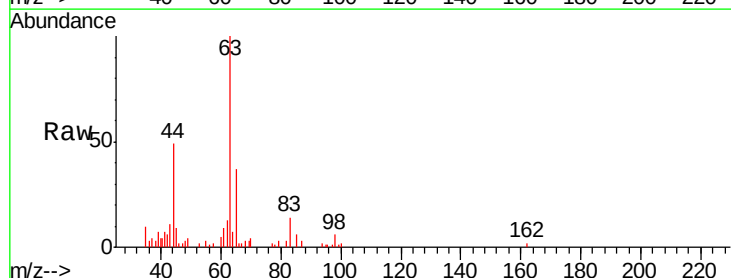
Tgt Ion: 63 Resp: 20263

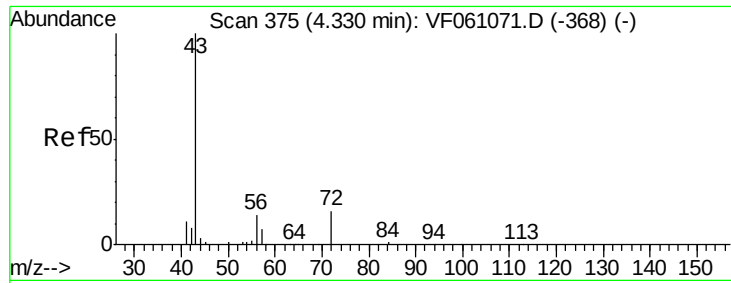
Ion Ratio Lower Upper

63 100

98 5.8 2.1 6.5

100 2.2 1.7 5.1





#25

2-Butanone

Concen: 30.940 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.03 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 25716

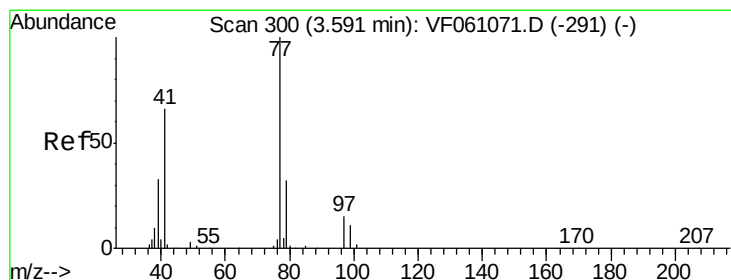
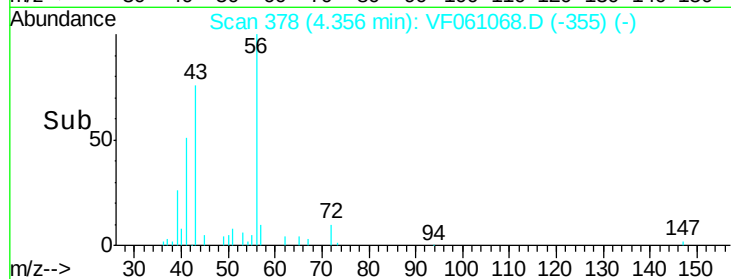
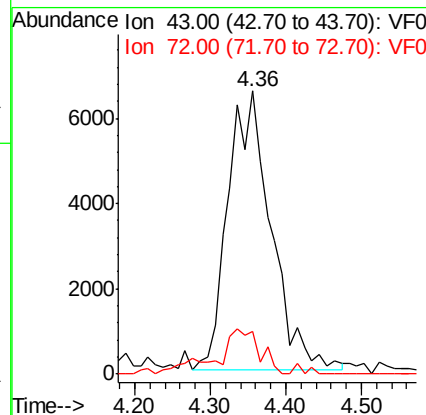
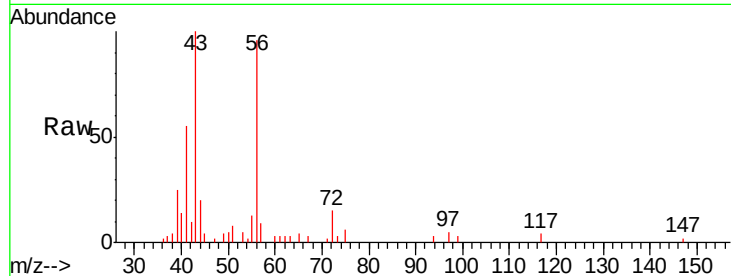
Ion Ratio Lower Upper

43 100

72 15.0 15.6 23.4#

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#26

2,2-Dichloropropane

Concen: 5.582 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061068.D

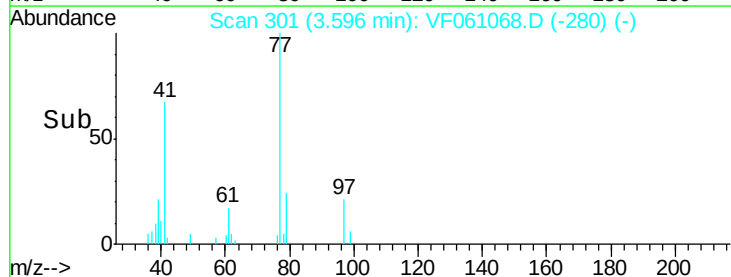
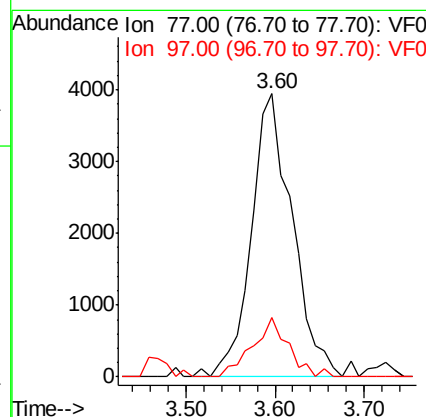
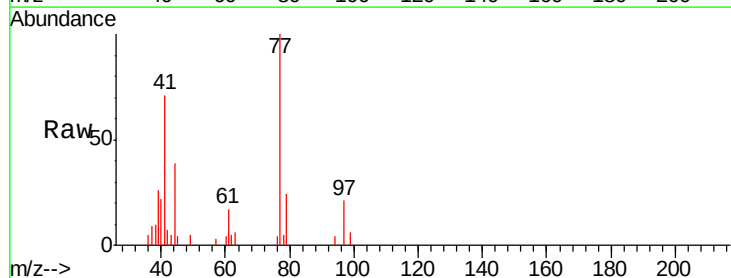
Acq: 18 Dec 2018 18:25

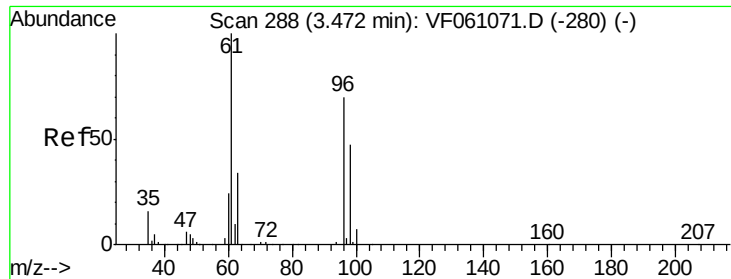
Tgt Ion: 77 Resp: 12504

Ion Ratio Lower Upper

77 100

97 20.8 8.2 24.4





#27

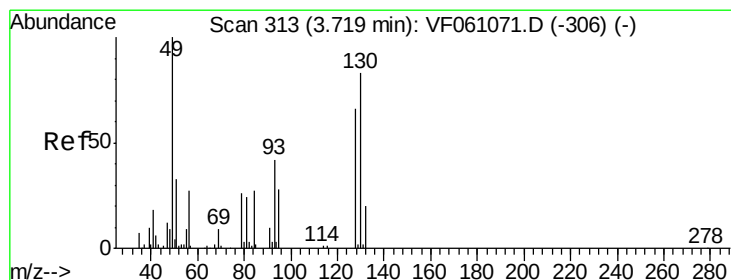
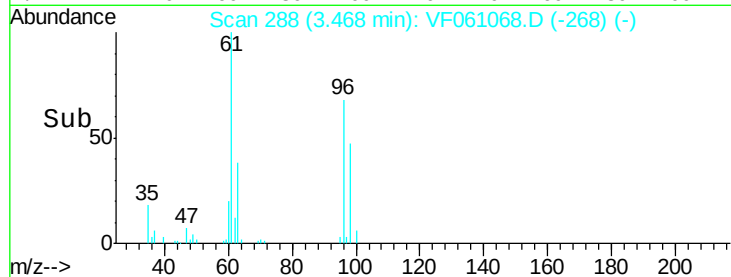
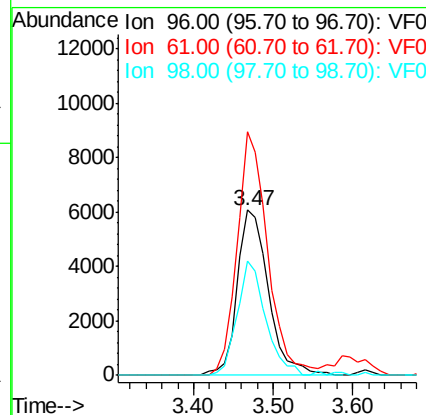
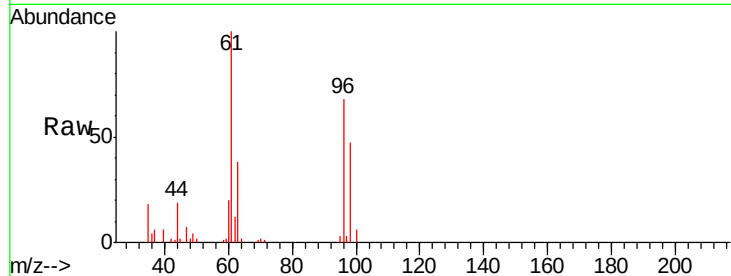
cis-1,2-Dichloroethene
 Concen: 6.034 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	16645		
61	147.6	0.0	287.8	
98	69.0	0.0	134.2	

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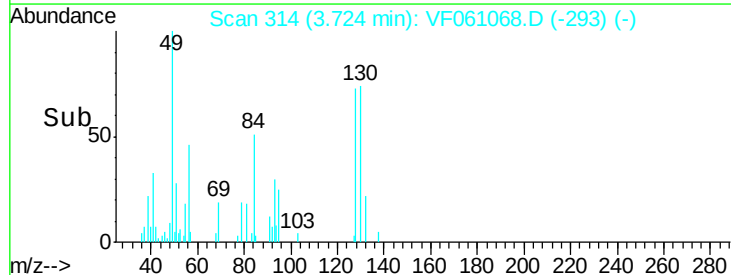
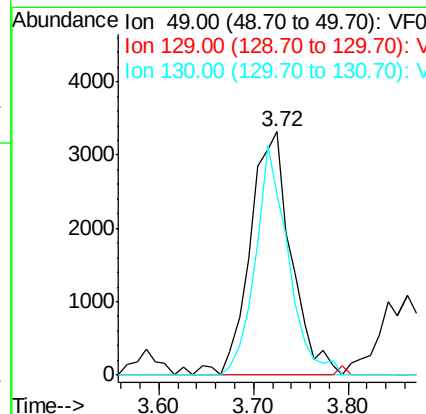
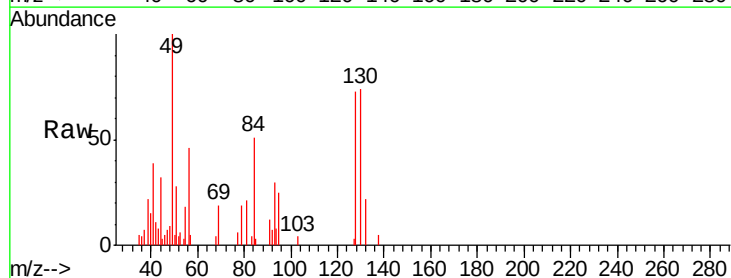
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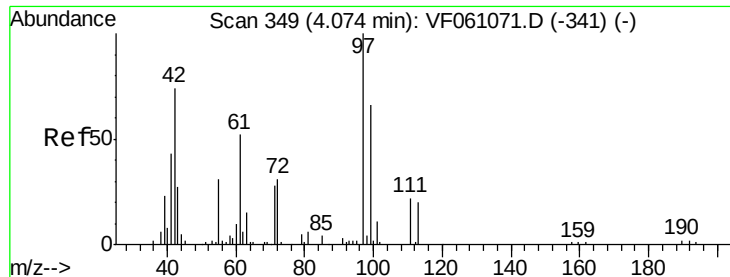


#28

Bromochloromethane
 Concen: 5.740 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	9980		
129	0.0	0.0	3.6	
130	74.2	65.8	98.6	





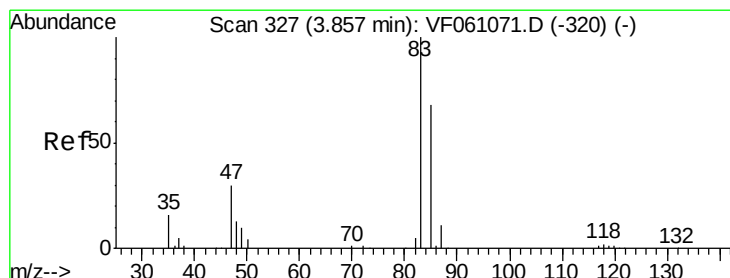
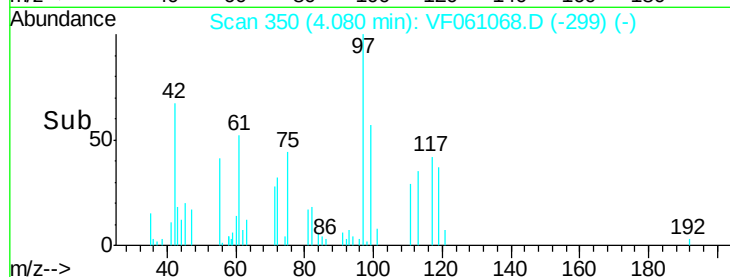
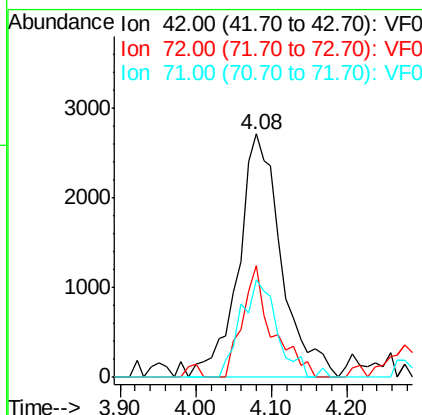
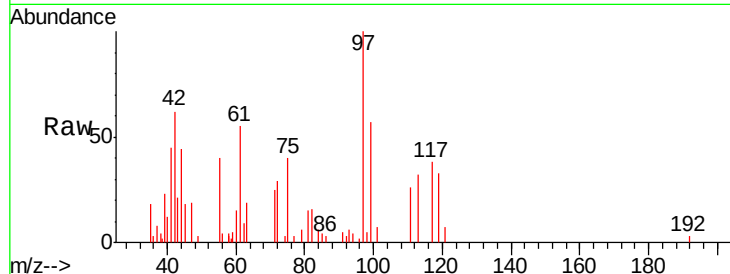
#29
Tetrahydrofuran
Concen: 30.409 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	31.8	31.8	47.8#
71	34.0	29.7	44.5

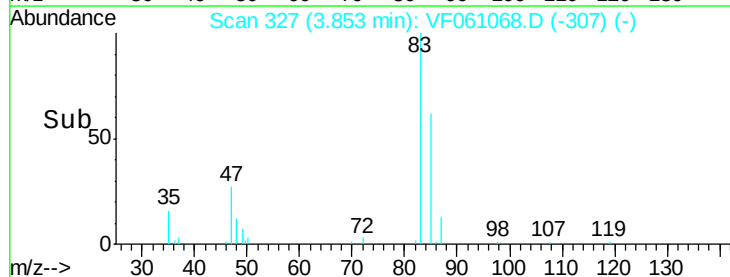
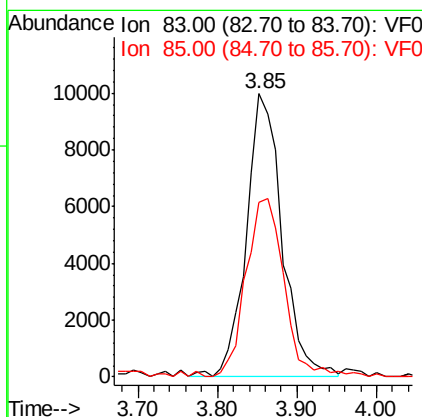
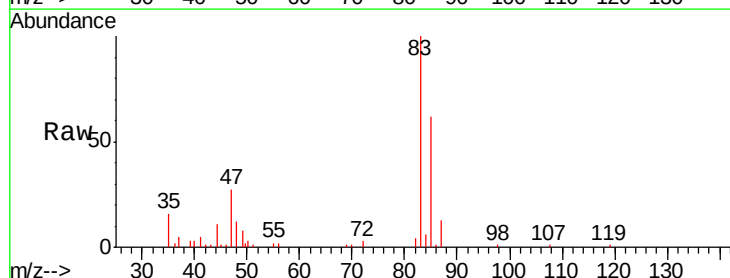
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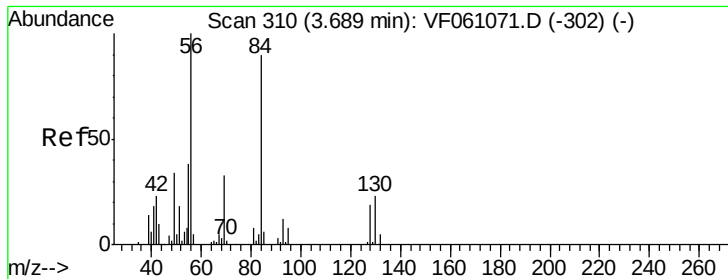
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#30
Chloroform
Concen: 5.638 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	54.5	81.7





#31

Cyclohexane

Concen: 5.767 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

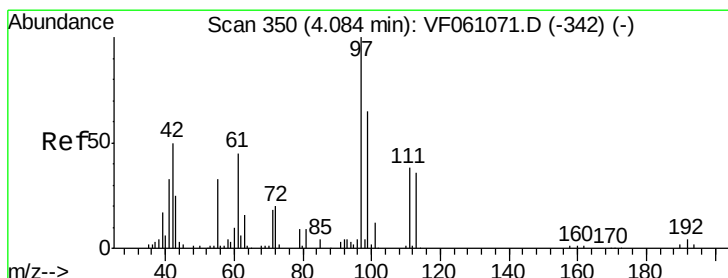
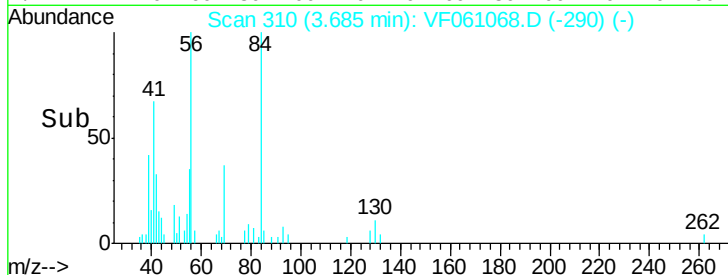
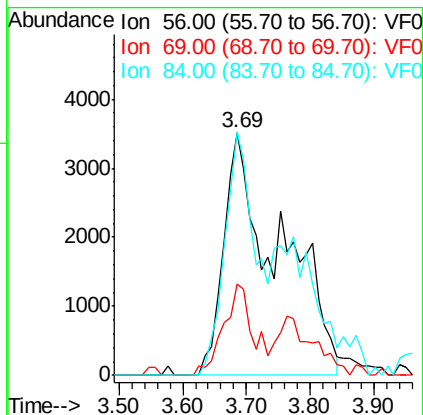
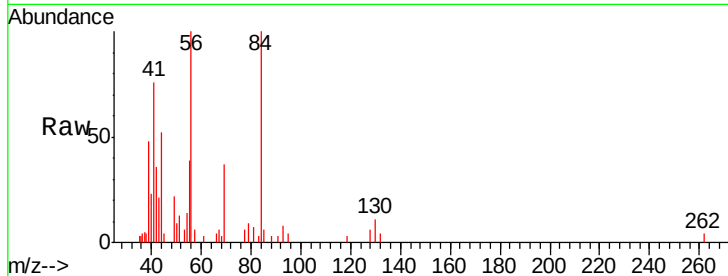
ClientSampleId :

VSTDIC005

Tgt Ion:	56	Resp:	21423
Ion	Ratio	Lower	Upper
56	100		
69	37.5	26.0	39.0
84	100.4	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 4.919 ug/l

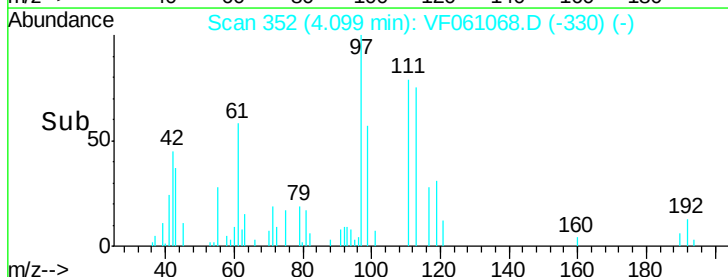
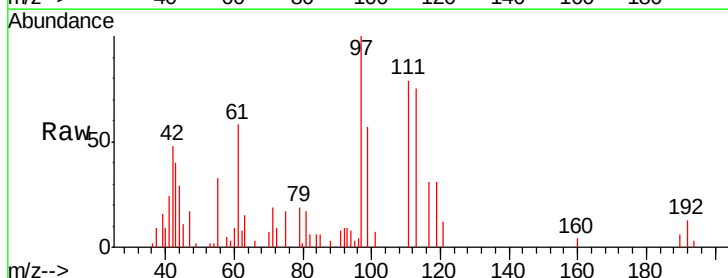
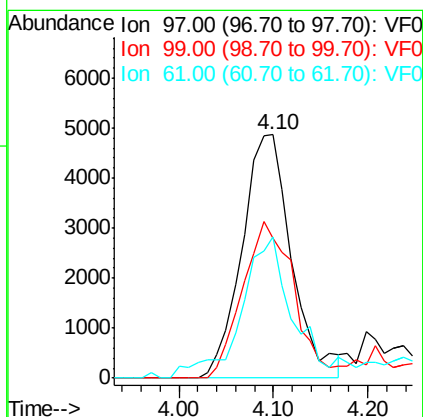
RT: 4.10 min Scan# 352

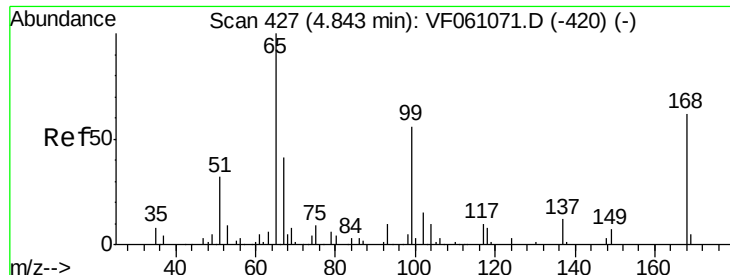
Delta R.T. 0.02 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	97	Resp:	17807
Ion	Ratio	Lower	Upper
97	100		
99	57.3	51.6	77.4
61	57.9	36.2	54.2#





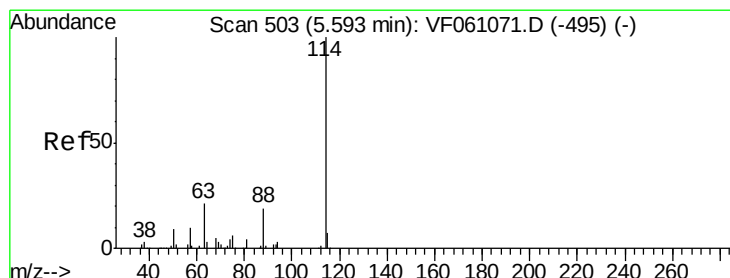
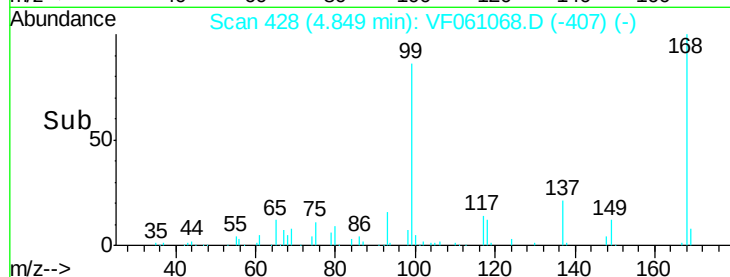
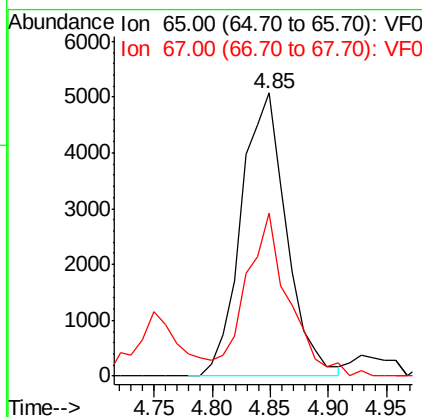
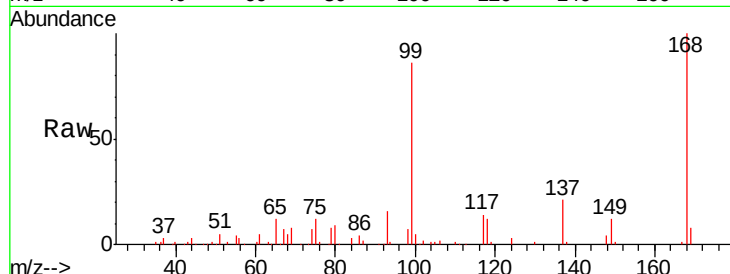
#33
 1,2-Dichloroethane-d4
 Concen: 5.346 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	13694		
67	57.8	0.0	94.6	

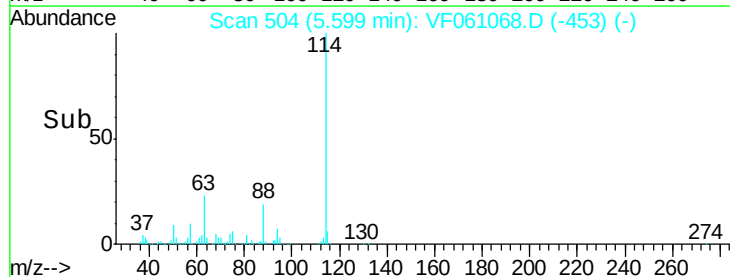
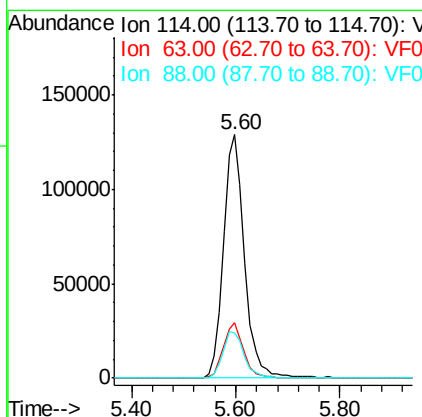
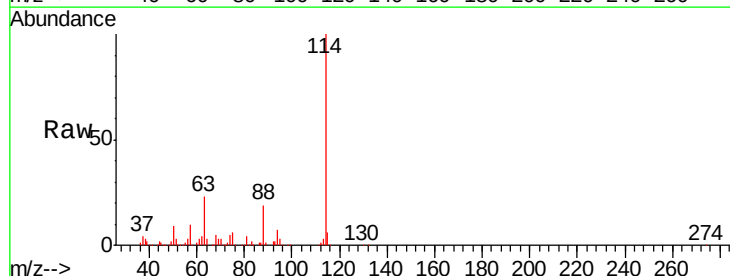
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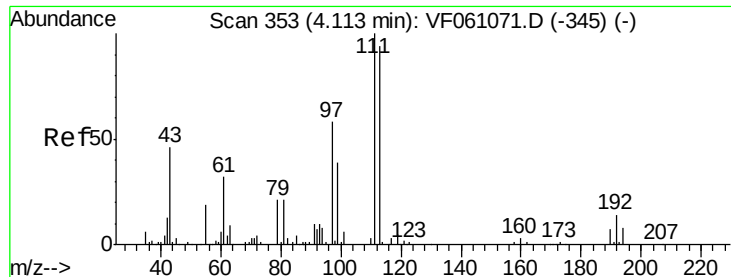
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357355		
63	22.8	0.0	41.6	
88	18.7	0.0	38.0	





#35

Dibromofluoromethane

Concen: 5.244 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

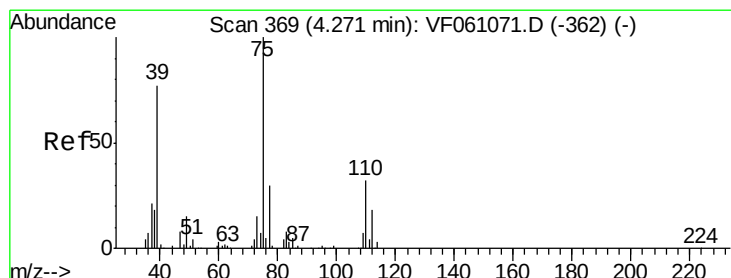
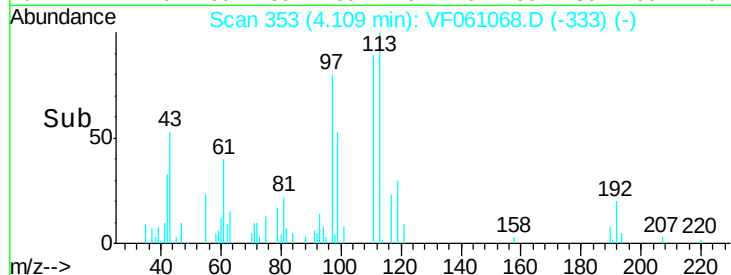
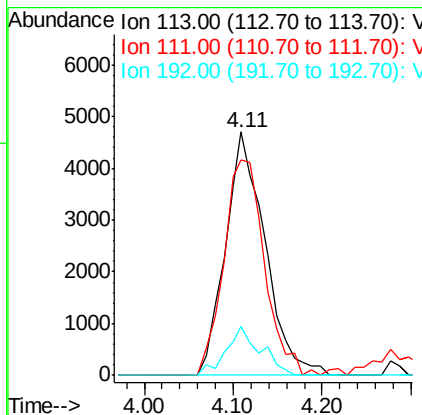
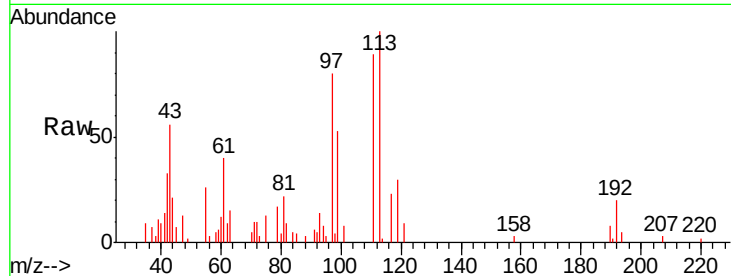
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	14592		
111	88.8	85.2	127.8	
192	20.1	12.8	19.2#	

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#36

1,1-Dichloropropene

Concen: 6.604 ug/l

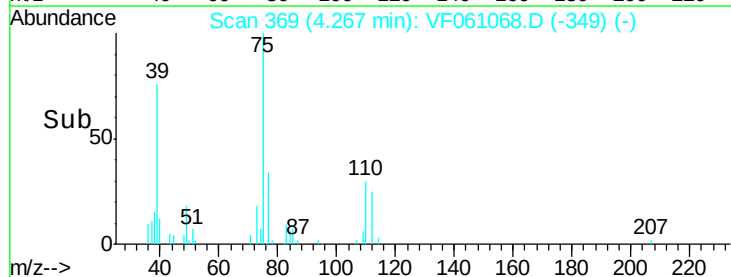
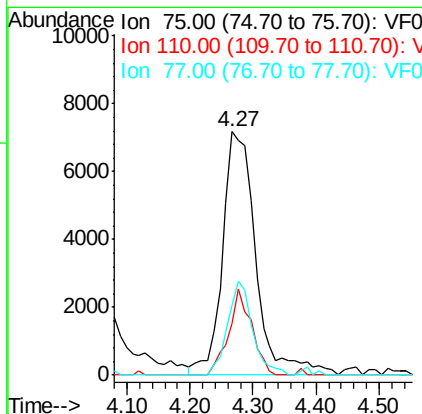
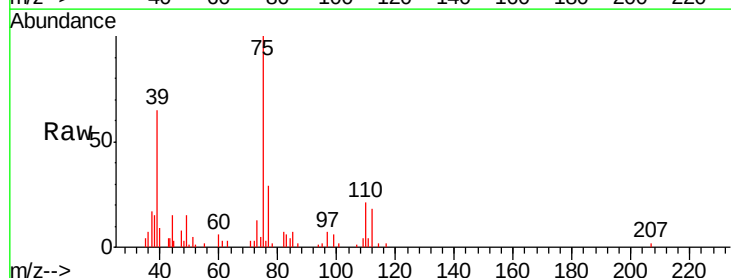
RT: 4.27 min Scan# 369

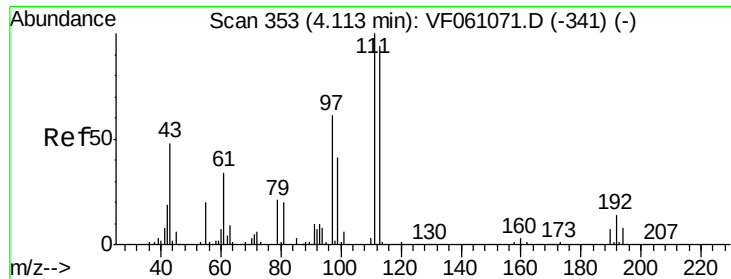
Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26425		
110	21.1	16.1	48.2	
77	28.5	24.5	36.7	





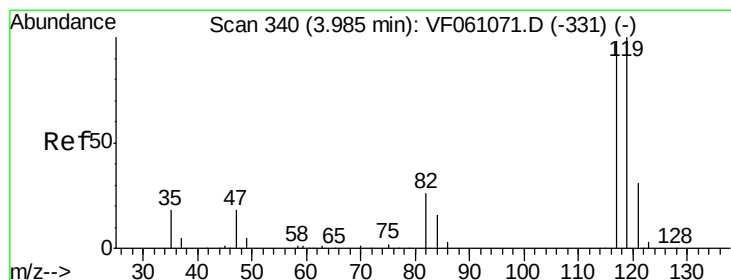
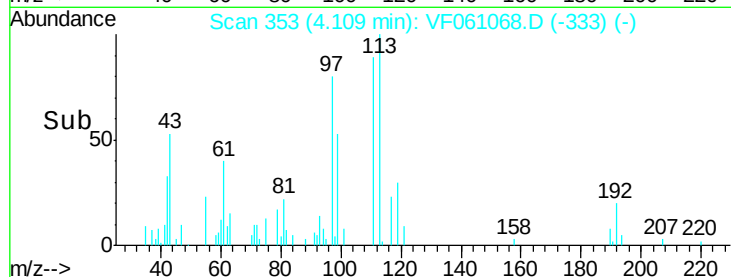
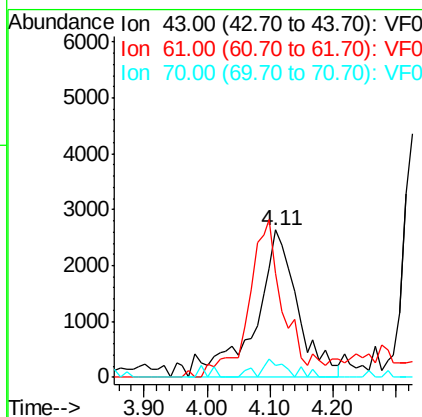
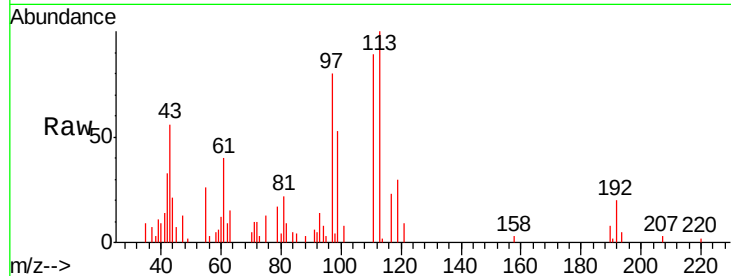
#37
Ethyl Acetate
Concen: 7.530 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	70.8	56.6	84.8
70	8.1	6.3	9.5

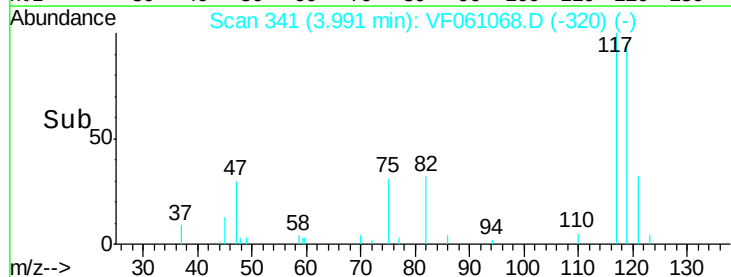
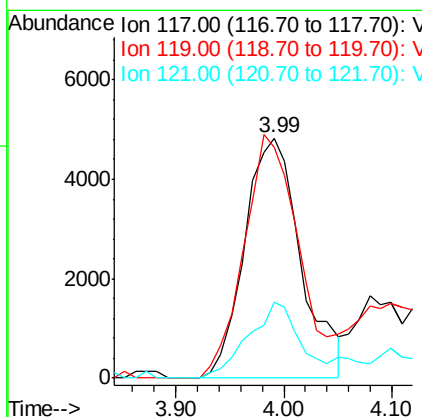
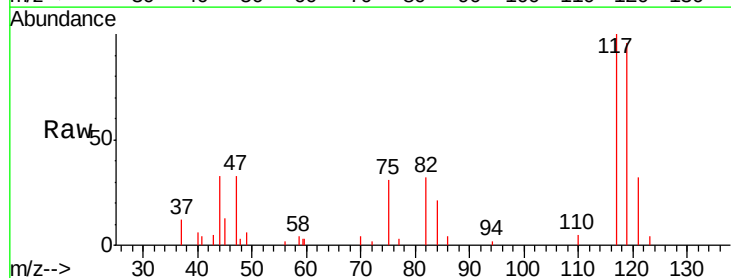
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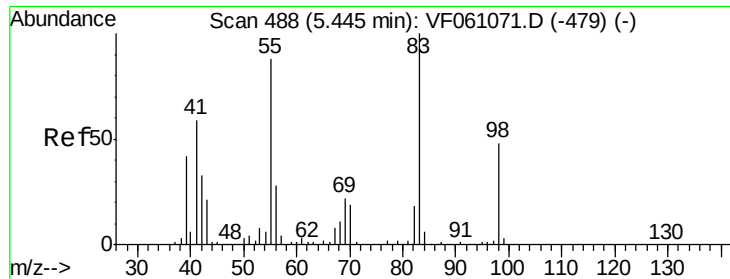
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#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	82.1	123.1
121	31.7	25.5	38.3





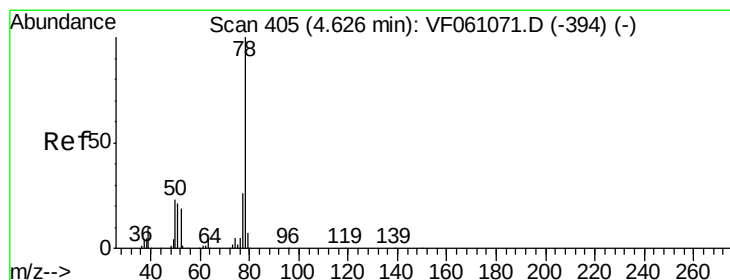
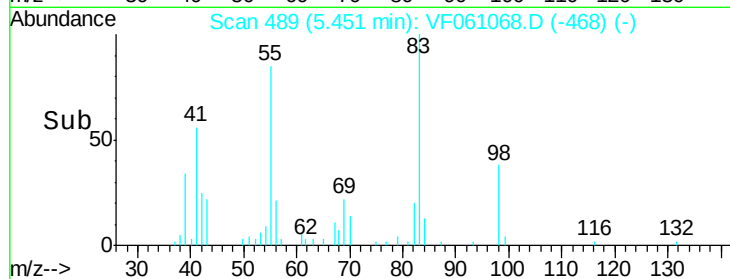
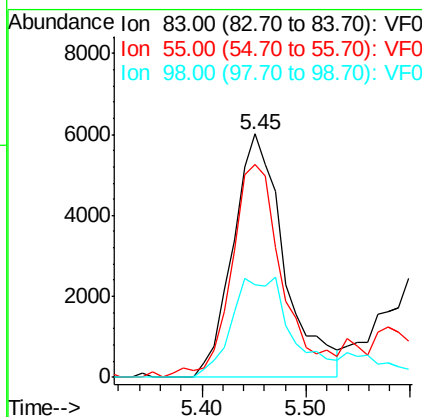
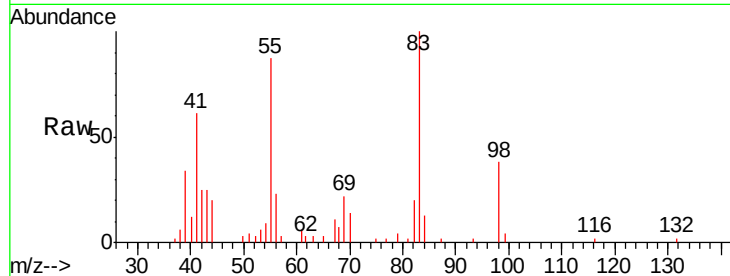
#39
Methylcyclohexane
Concen: 4.994 ug/l m
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.2	70.6	105.8
98	38.1	38.5	57.7#

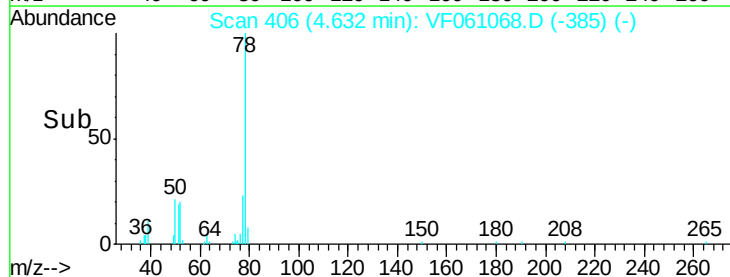
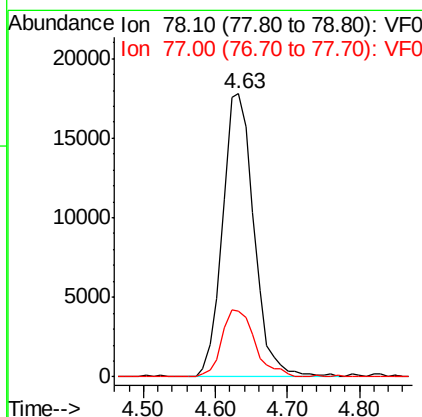
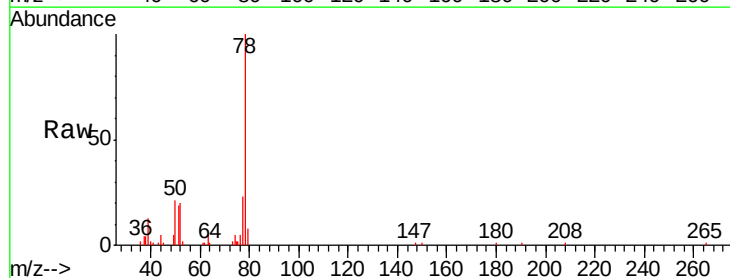
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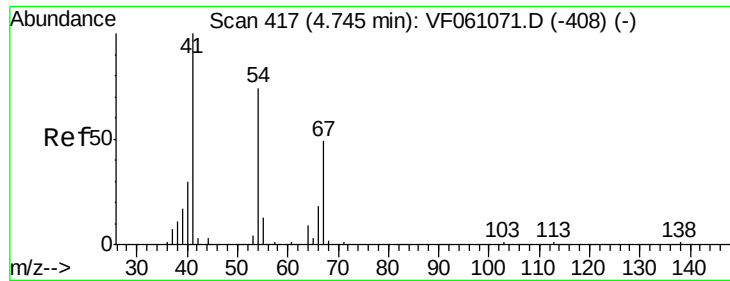
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#40
Benzene
Concen: 6.113 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.7	31.1





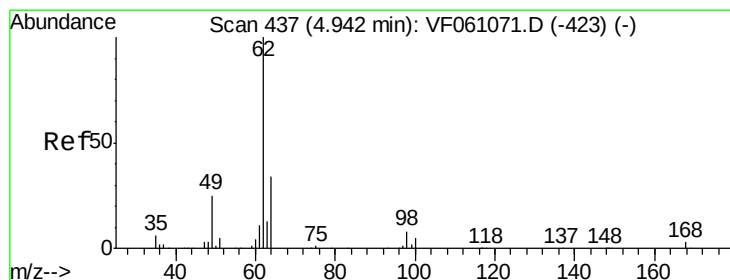
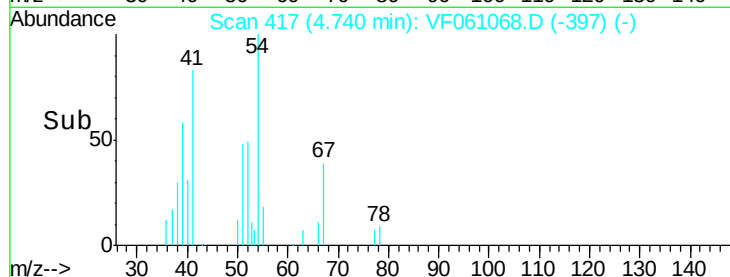
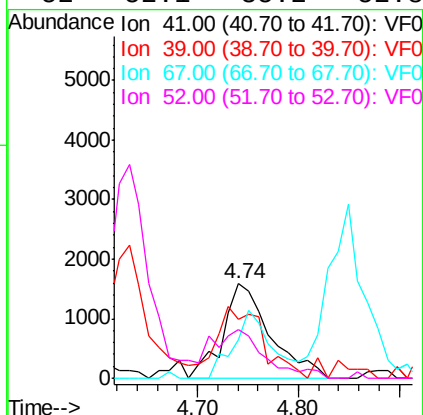
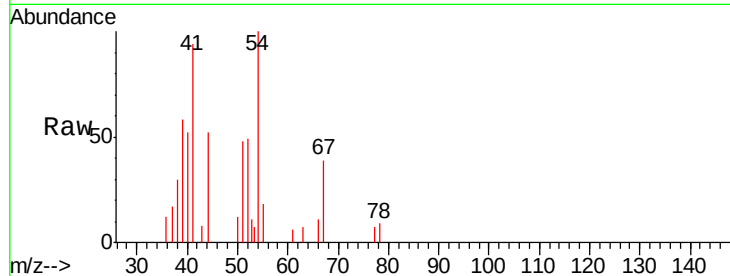
#41
Methacrylonitrile
Concen: 5.395 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	61.9	45.7	68.5
67	67	41.4	38.9	58.3
52	52	52.1	35.2	52.8

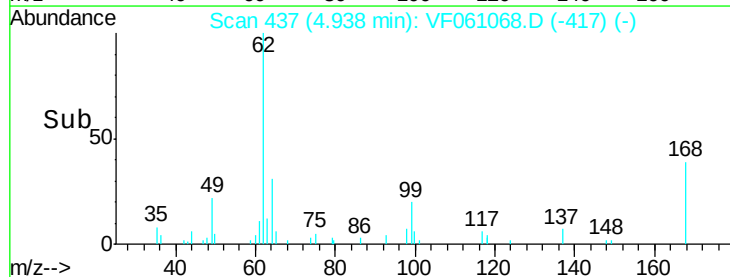
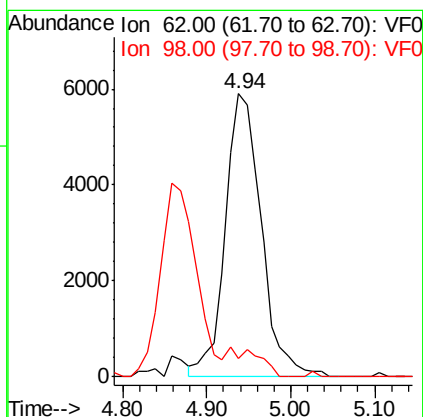
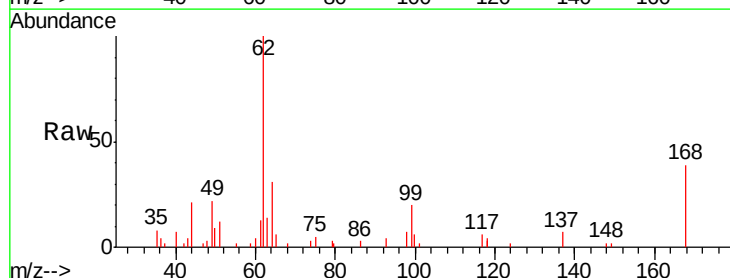
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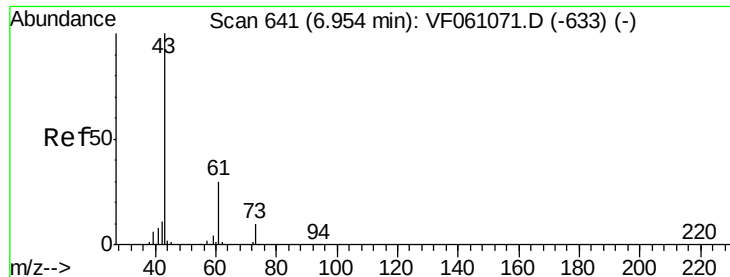
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#42
1,2-Dichloroethane
Concen: 5.482 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	6.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 5.012 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

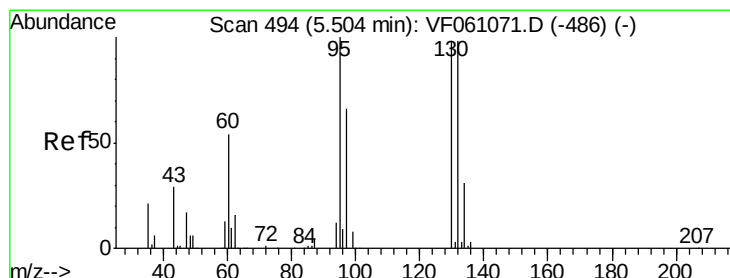
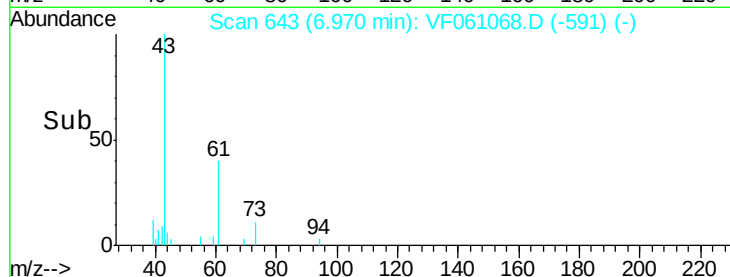
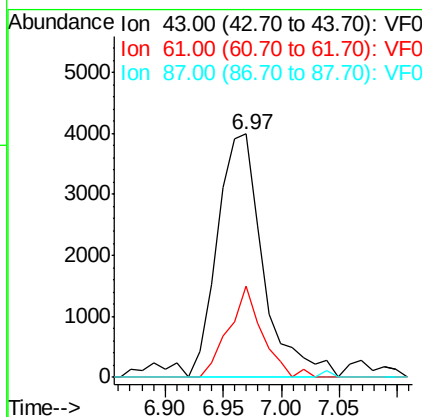
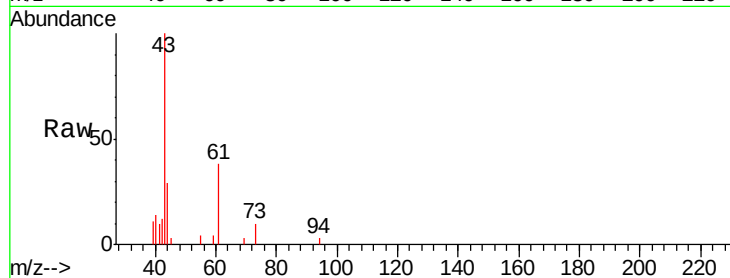
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	10868
Ion	Ratio	Lower	Upper
43	100		
61	37.7	23.8	35.8#
87	0.0	0.0	0.0

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#44

Trichloroethene

Concen: 5.641 ug/l

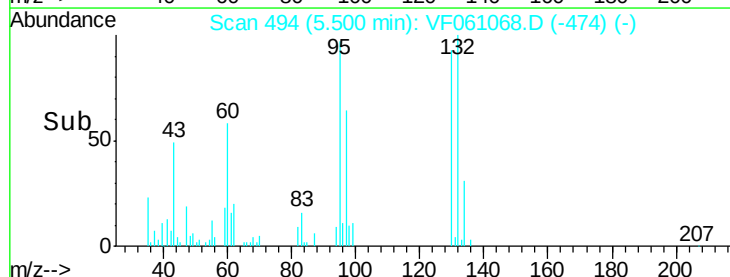
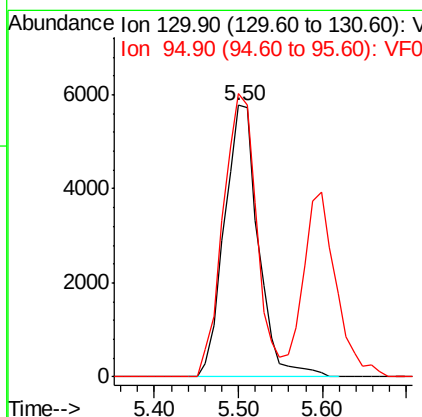
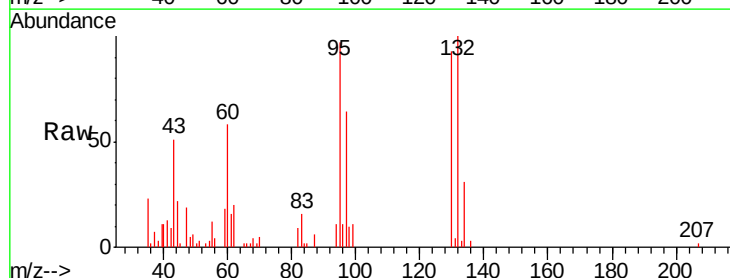
RT: 5.50 min Scan# 494

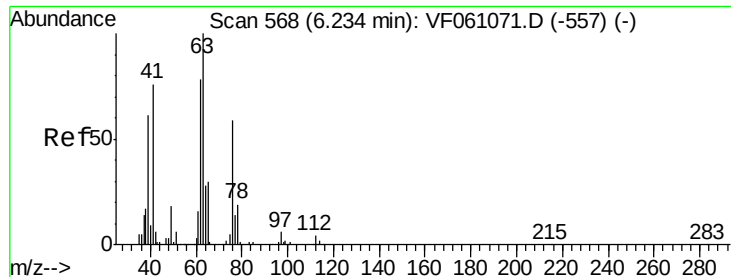
Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	130	Resp:	16196
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	205.2





#45

1,2-Dichloropropane

Concen: 5.859 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 13341

Ion Ratio Lower Upper

63 100

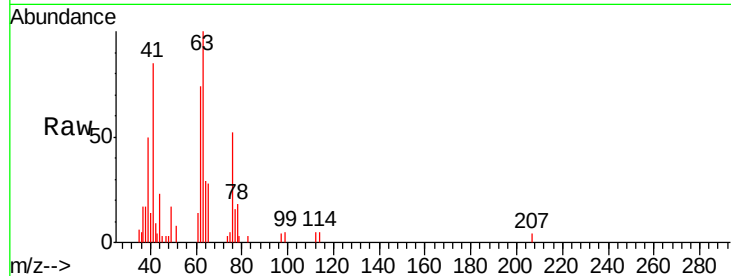
65 27.5 24.4 36.6

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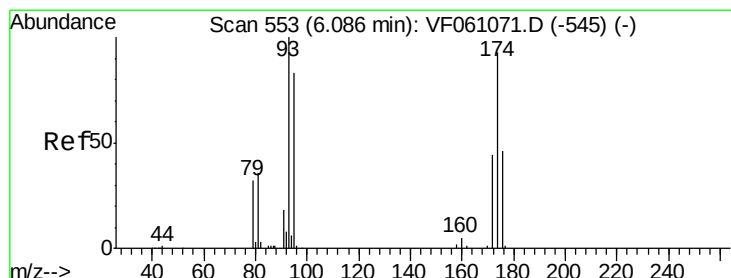
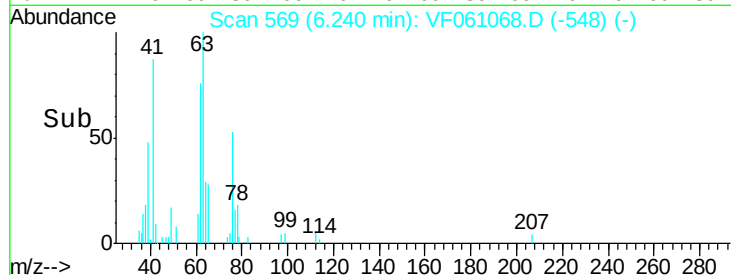
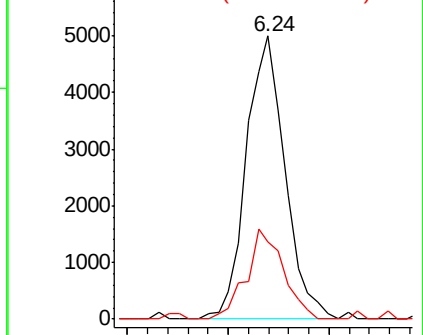
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 5.759 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

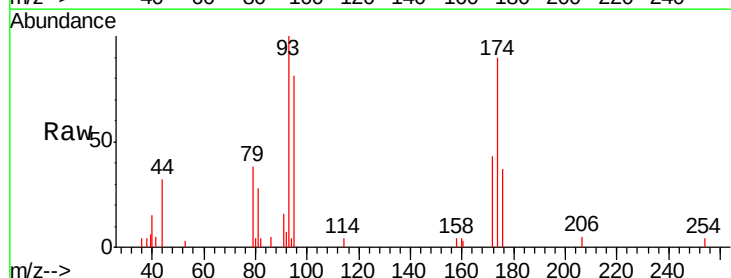
Tgt Ion: 93 Resp: 8883

Ion Ratio Lower Upper

93 100

95 81.3 66.9 100.3

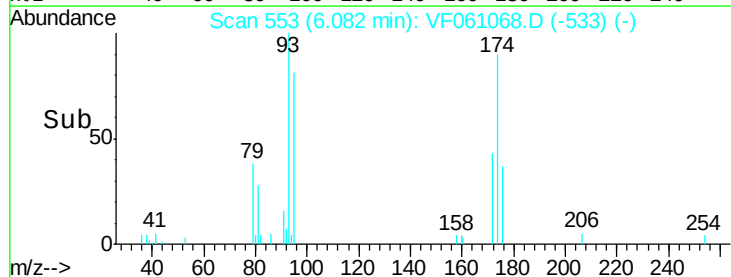
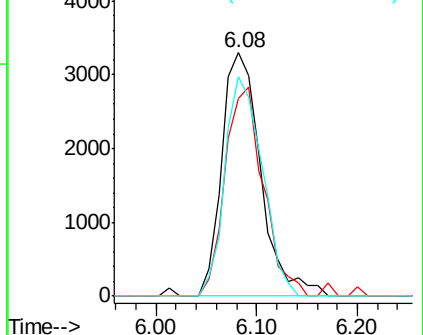
174 89.9 74.1 111.1

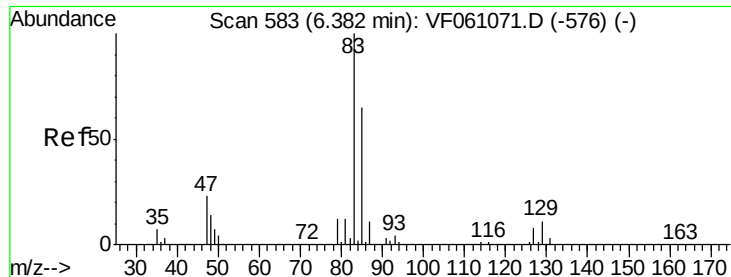


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 5.427 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

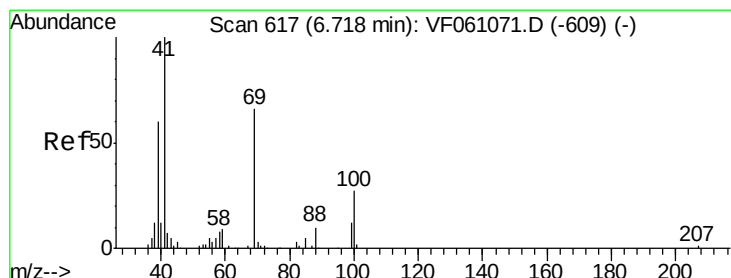
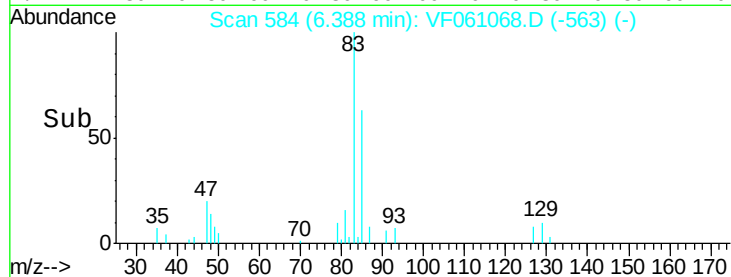
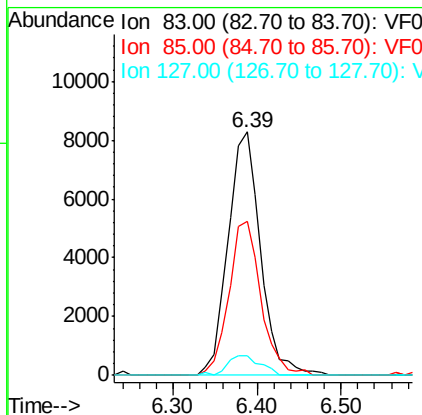
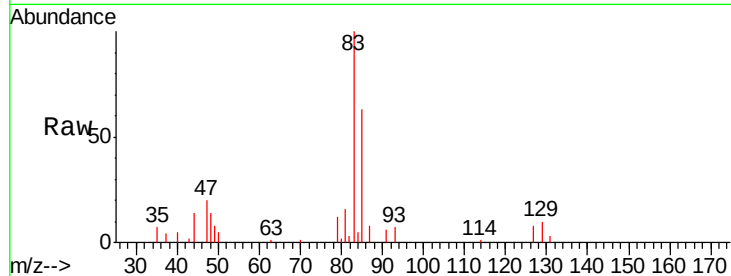
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	22287
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4
127	8.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 5.353 ug/l

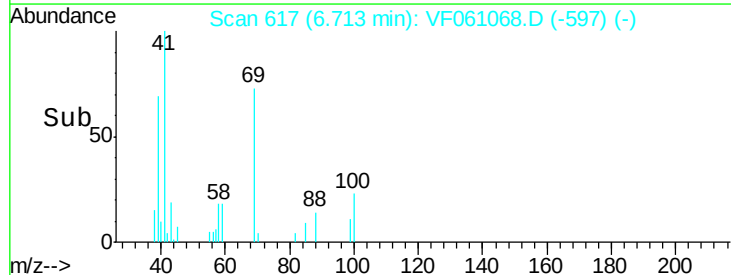
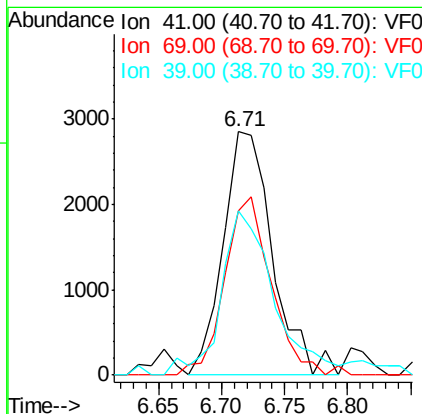
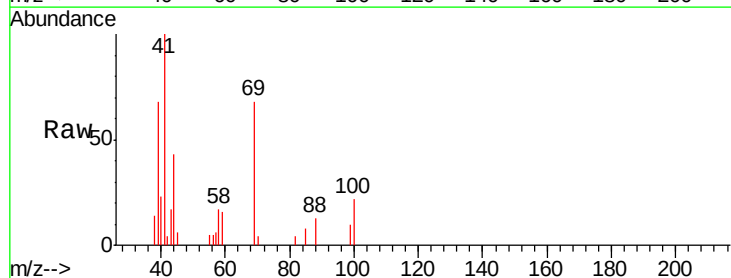
RT: 6.71 min Scan# 617

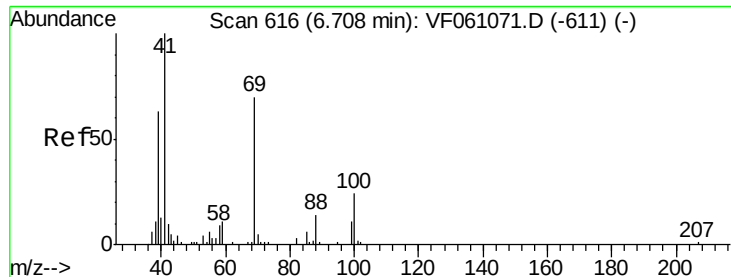
Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	41	Resp:	7758
Ion	Ratio	Lower	Upper
41	100		
69	67.6	52.7	79.1
39	67.7	47.8	71.6





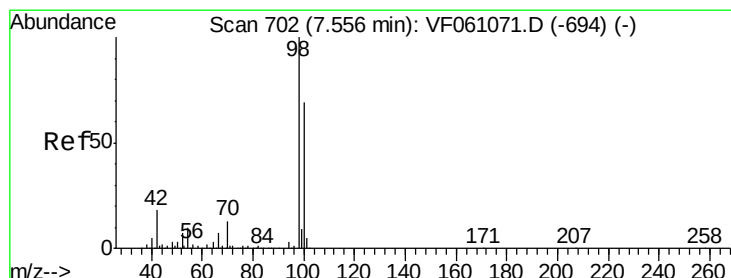
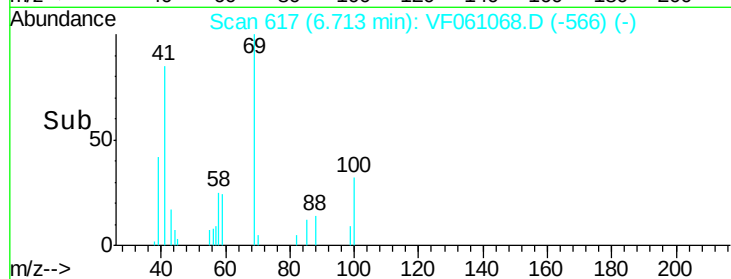
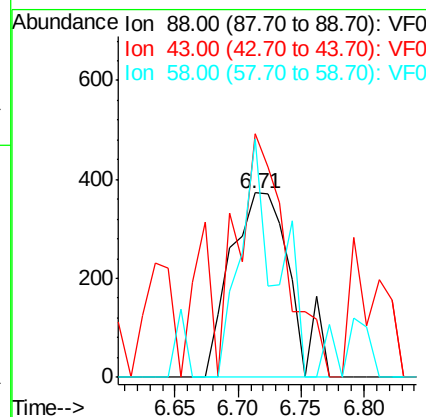
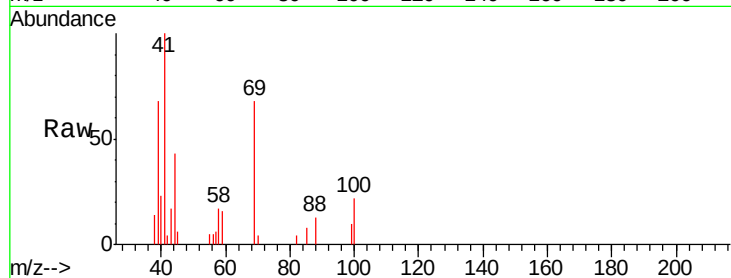
#49
1,4-Dioxane
Concen: 118.151 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	1238		
43	131.9	33.3	49.9#	
58	129.0	53.2	79.8#	

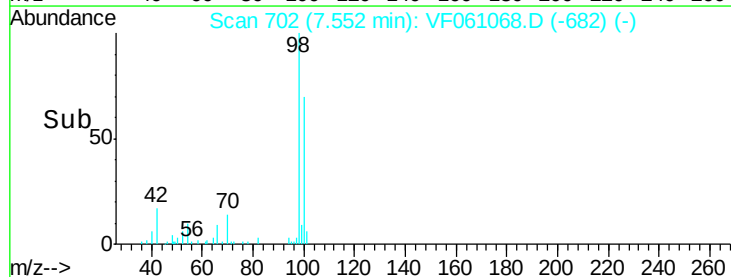
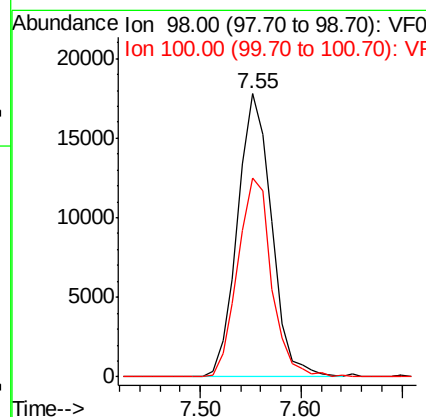
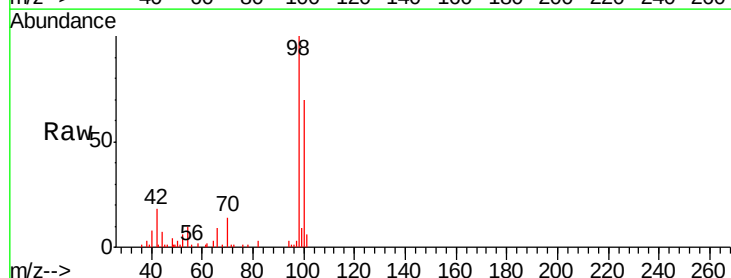
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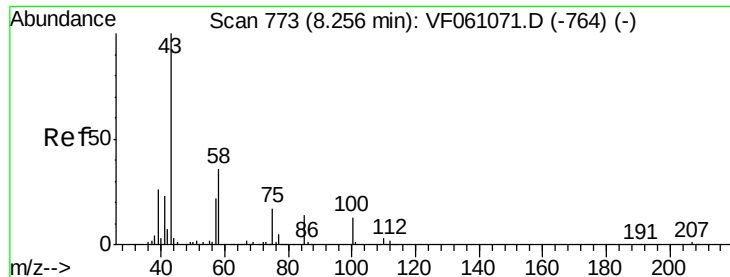
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#50
Toluene-d8
Concen: 5.103 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	41923		
100	70.3	55.3	82.9	





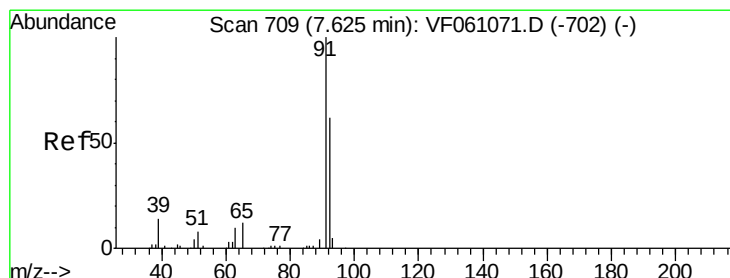
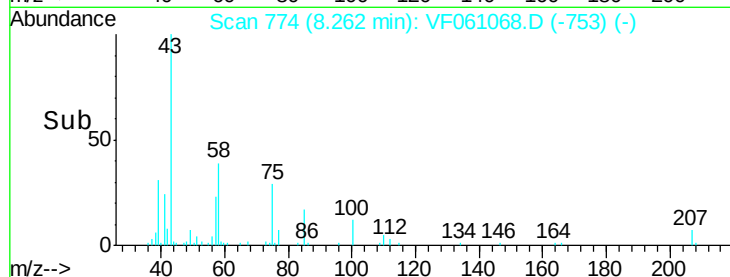
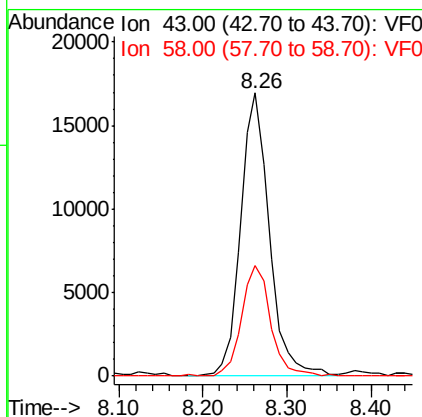
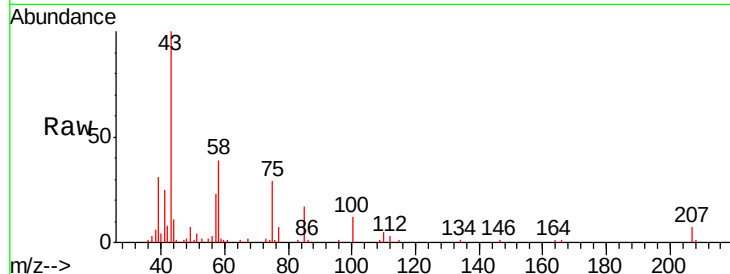
#51
 4-Methyl-2-Pentanone
 Concen: 27.535 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 40545
 Ion Ratio Lower Upper
 43 100
 58 39.0 29.1 43.7

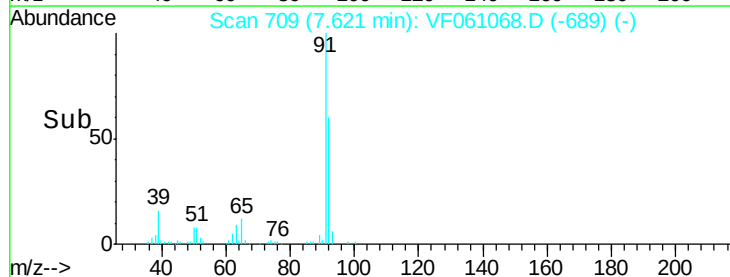
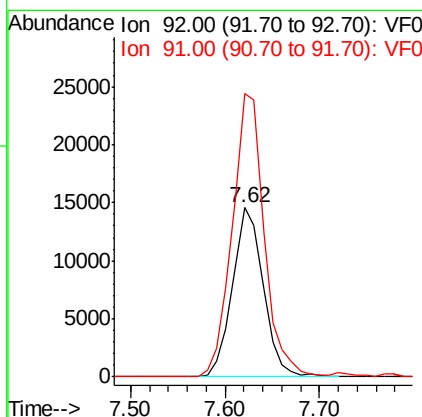
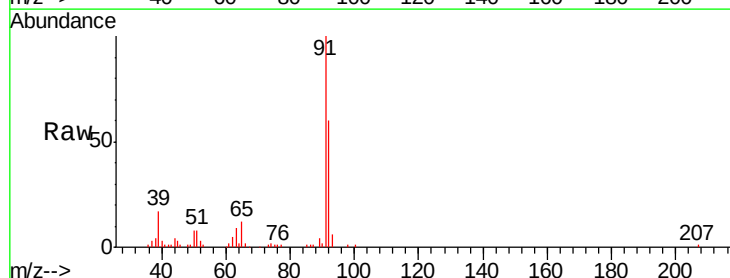
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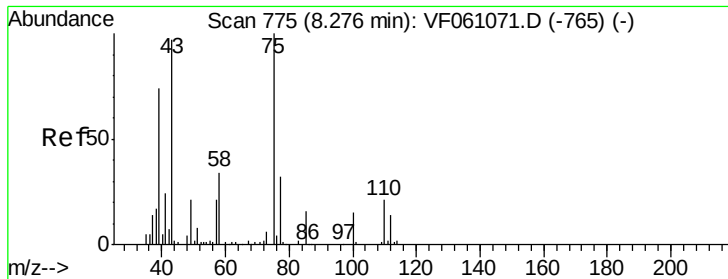
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#52
 Toluene
 Concen: 5.352 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Tgt Ion: 92 Resp: 32983
 Ion Ratio Lower Upper
 92 100
 91 167.3 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 5.821 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 19299

Ion Ratio Lower Upper

75 100

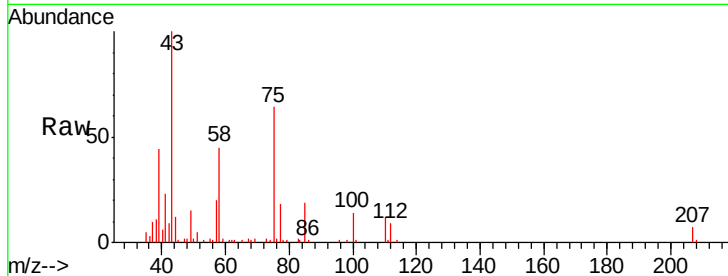
77 28.3 25.8 38.8

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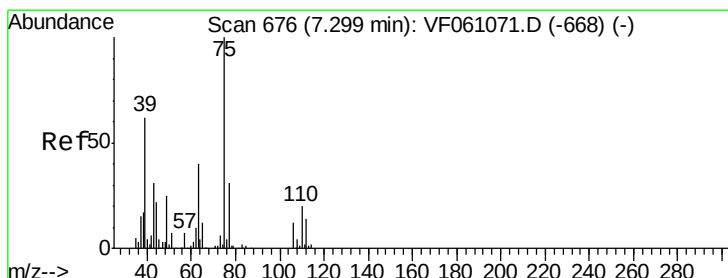
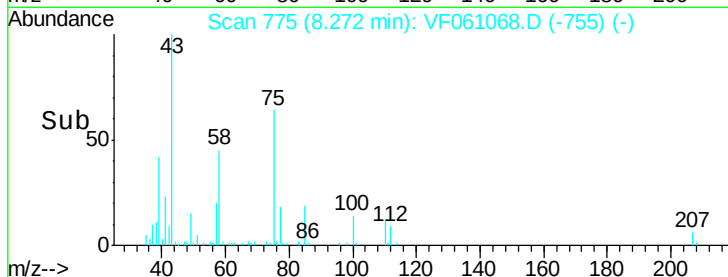
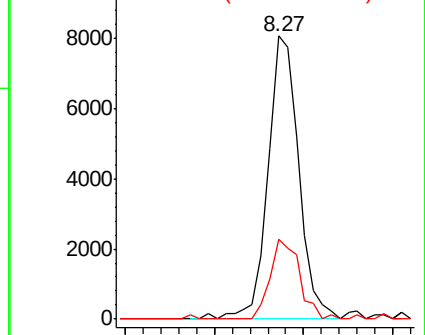
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 5.372 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

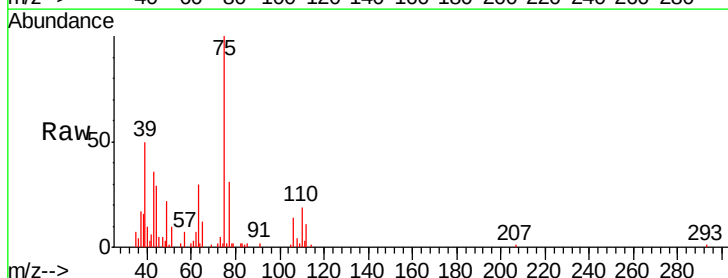
Tgt Ion: 75 Resp: 21978

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

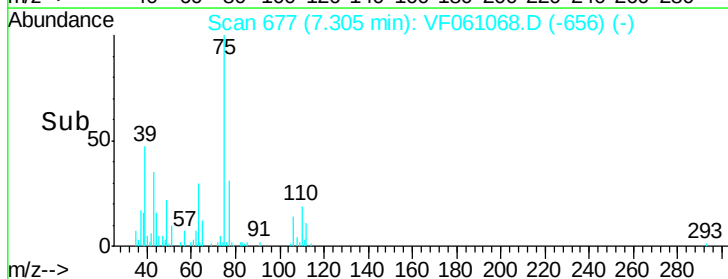
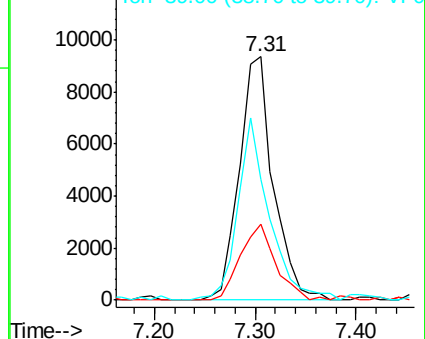
39 49.6 50.1 75.1#

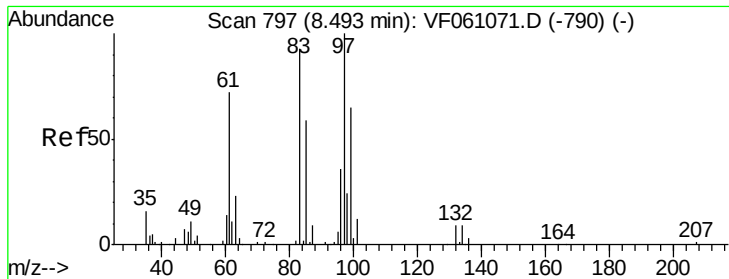


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 5.599 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

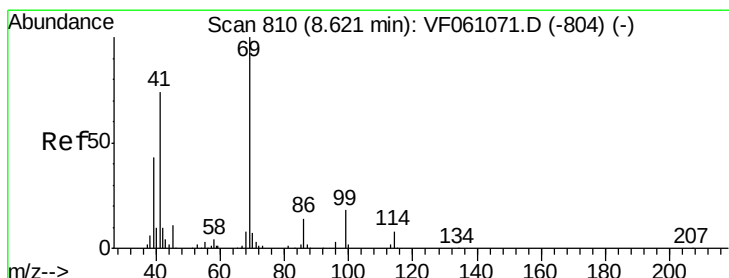
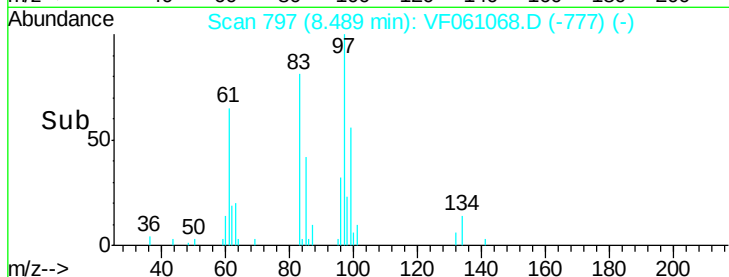
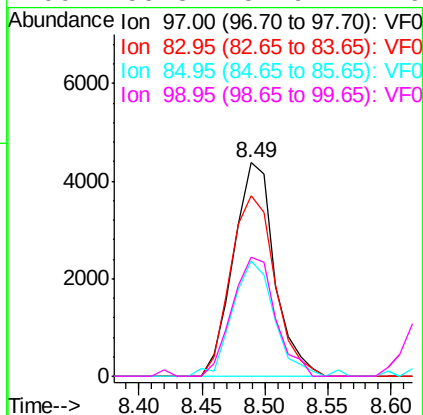
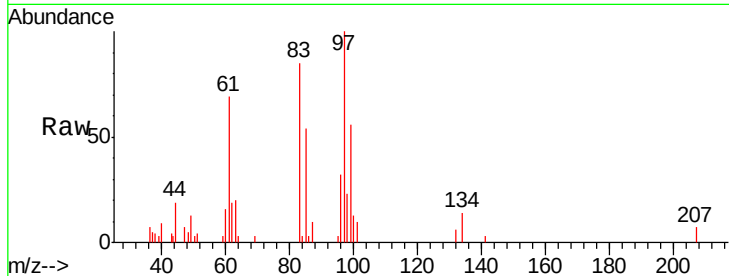
ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	9930
Ion	Ratio	Lower	Upper
97	100		
83	84.7	75.0	112.4
85	53.7	47.5	71.3
99	55.8	51.9	77.9

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#56

Ethyl methacrylate

Concen: 5.320 ug/l

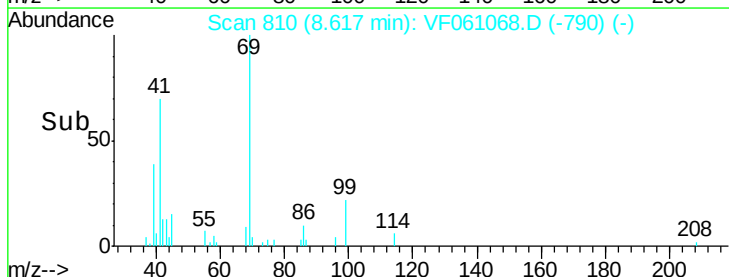
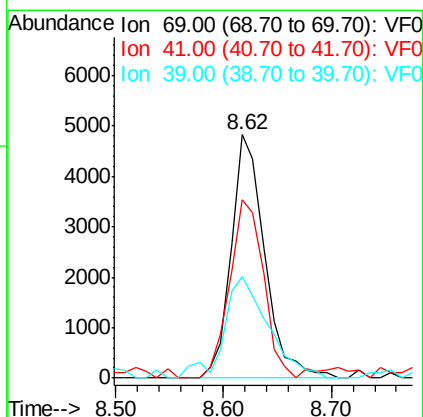
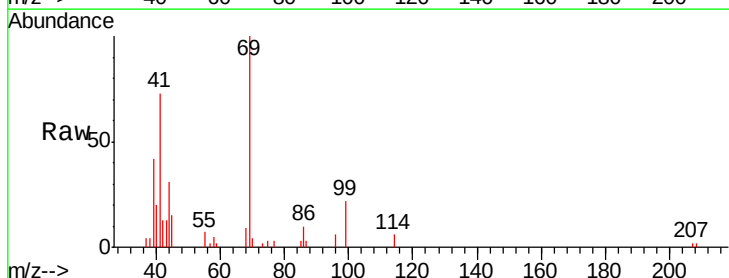
RT: 8.62 min Scan# 810

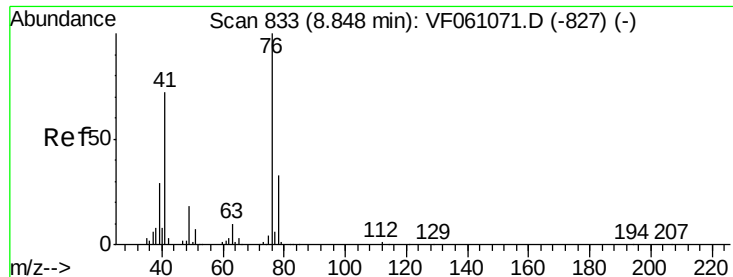
Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	69	Resp:	10404
Ion	Ratio	Lower	Upper
69	100		
41	73.0	59.7	89.5
39	41.9	35.0	52.6





#57

1,3-Dichloropropane

Concen: 6.161 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 19180

Ion Ratio Lower Upper

76 100

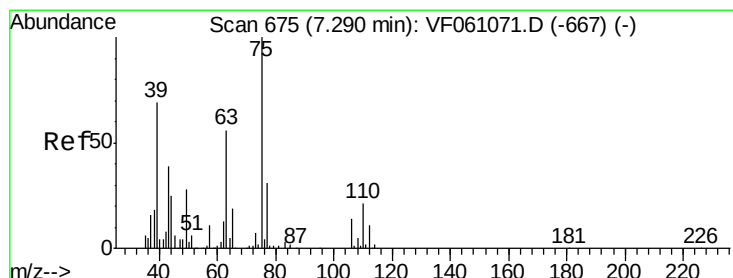
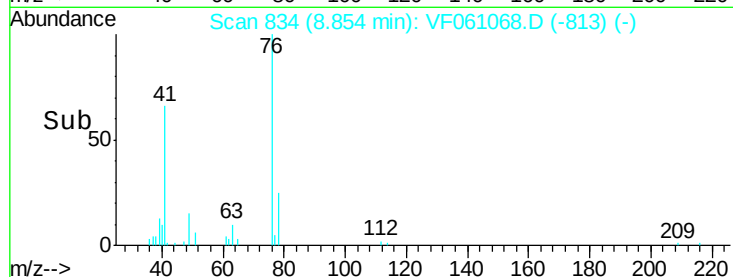
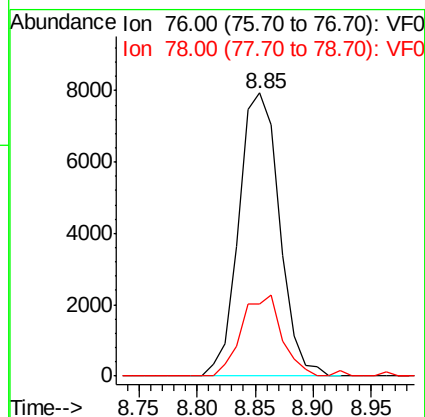
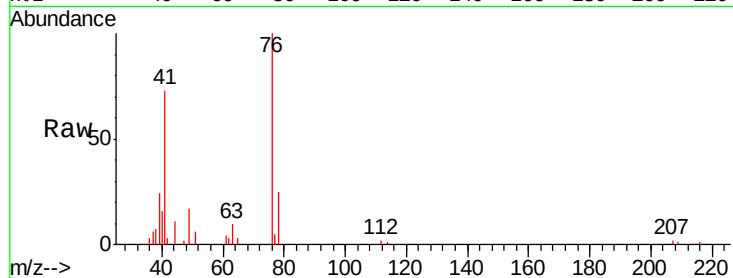
78 25.5 26.5 39.7#

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#58

2-Chloroethyl Vinyl ether

Concen: 35.978 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061068.D

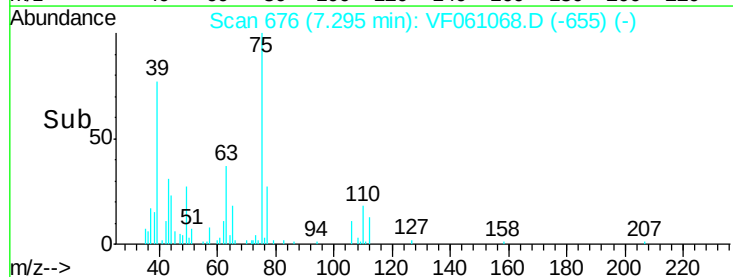
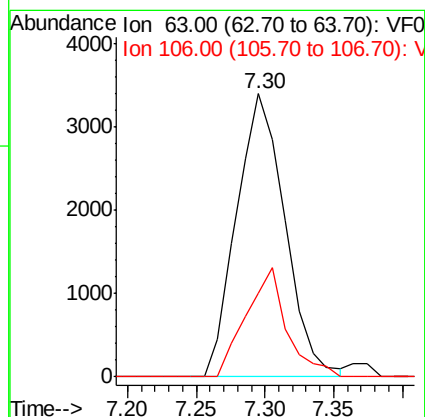
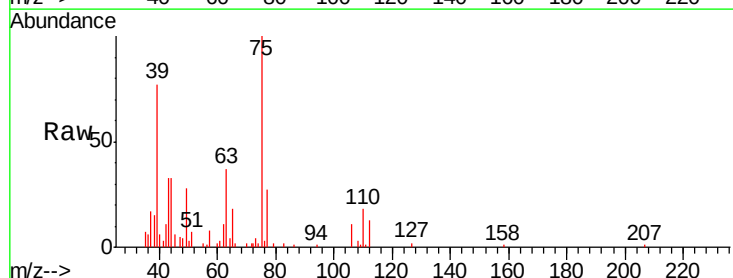
Acq: 18 Dec 2018 18:25

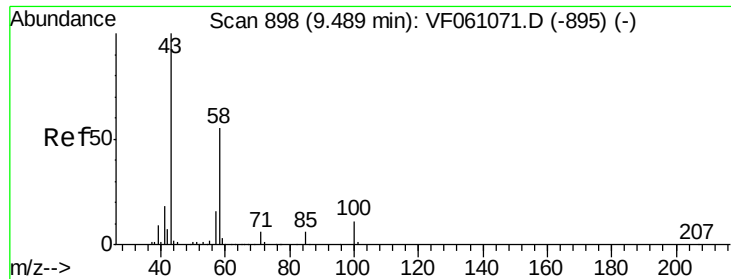
Tgt Ion: 63 Resp: 8331

Ion Ratio Lower Upper

63 100

106 29.7 19.8 29.8





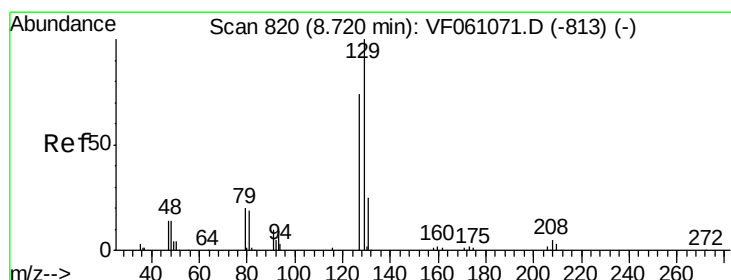
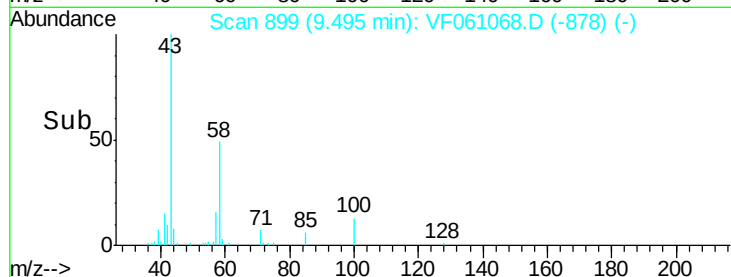
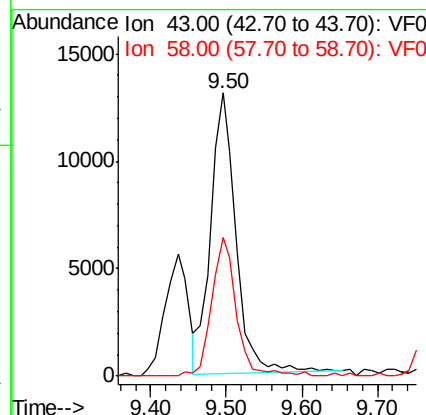
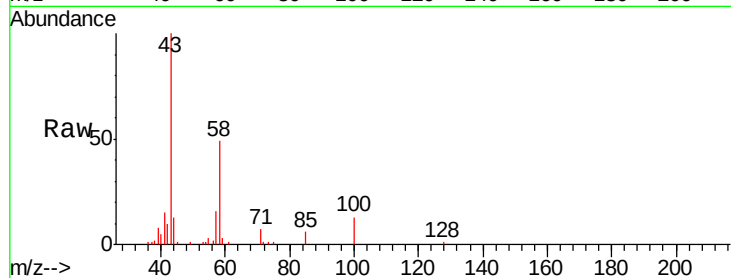
#59
2-Hexanone
Concen: 29.513 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 30710
Ion Ratio Lower Upper
43 100
58 49.0 25.1 75.2

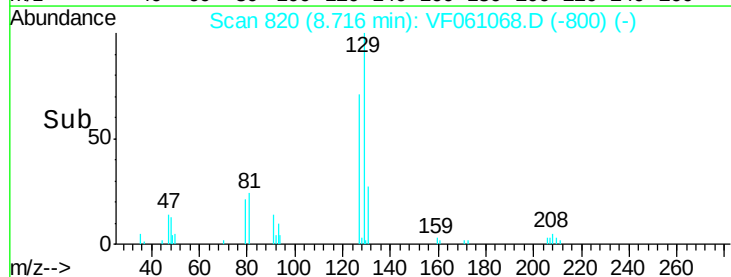
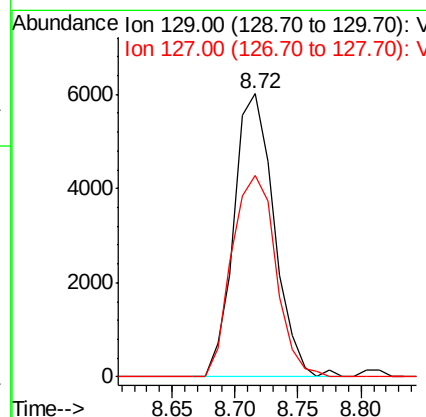
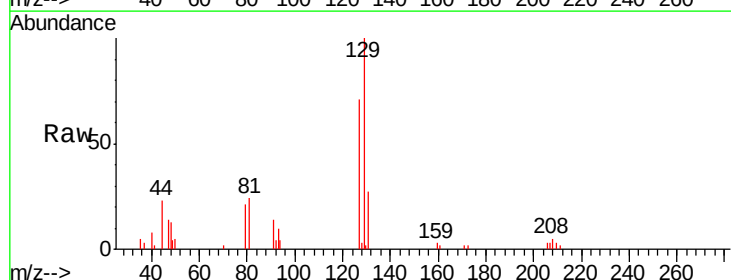
Manual Integrations
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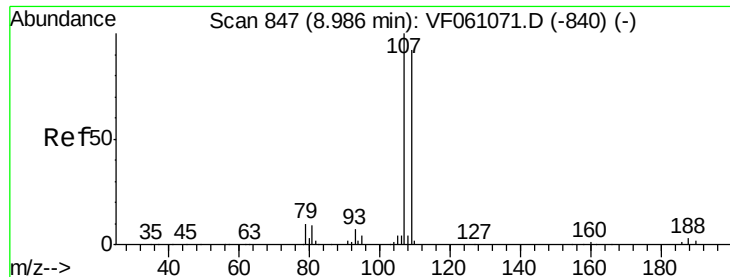
apatel
12/20/2018 10:28:37 AM



#60
Dibromochloromethane
Concen: 5.011 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion: 129 Resp: 13273
Ion Ratio Lower Upper
129 100
127 71.2 36.8 110.3





#61

1,2-Dibromoethane

Concen: 5.350 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 10315

Ion Ratio Lower Upper

107 100

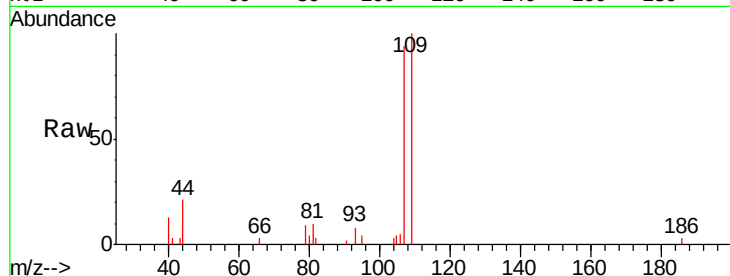
109 106.1 73.7 110.5

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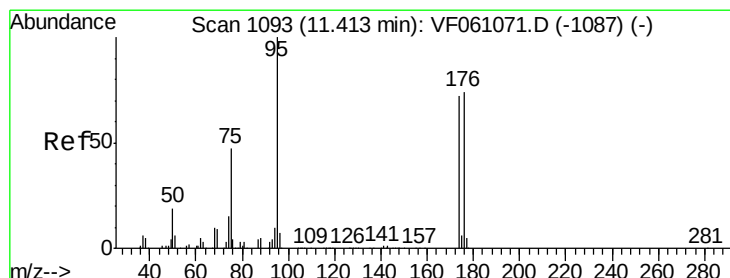
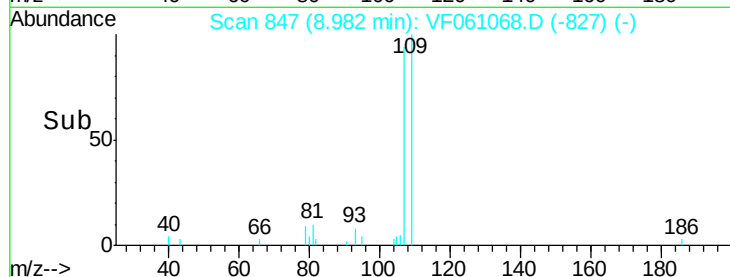
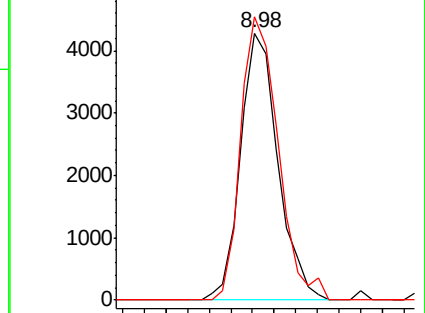
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.117 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

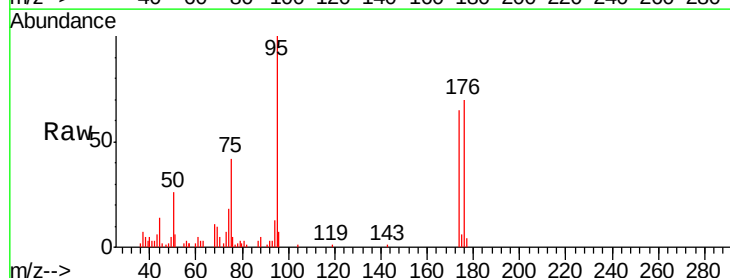
Tgt Ion: 95 Resp: 19040

Ion Ratio Lower Upper

95 100

174 65.1 0.0 143.8

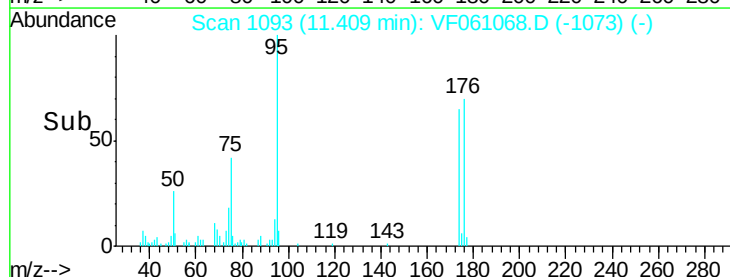
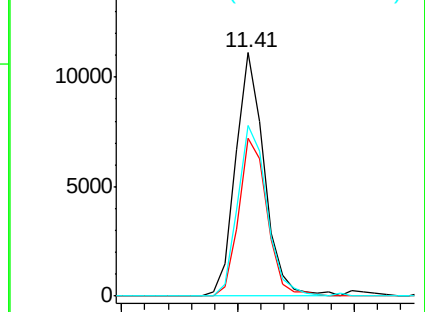
176 70.1 0.0 147.6

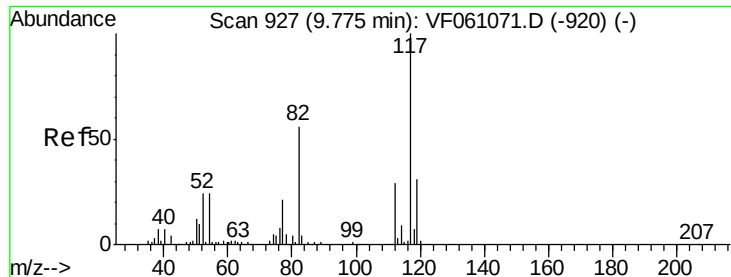


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

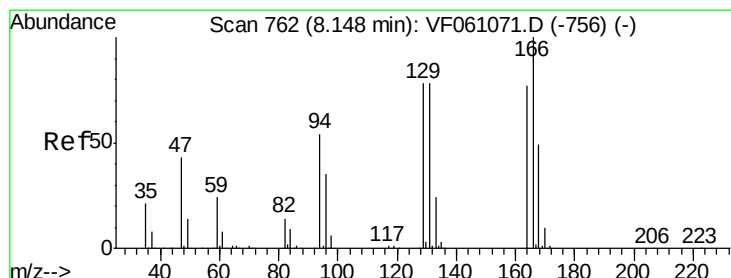
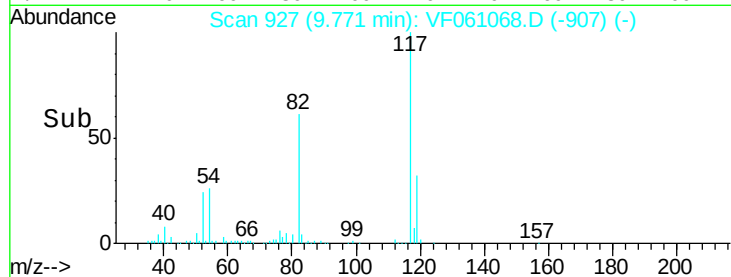
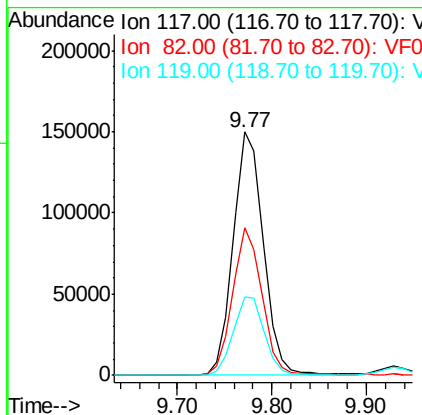
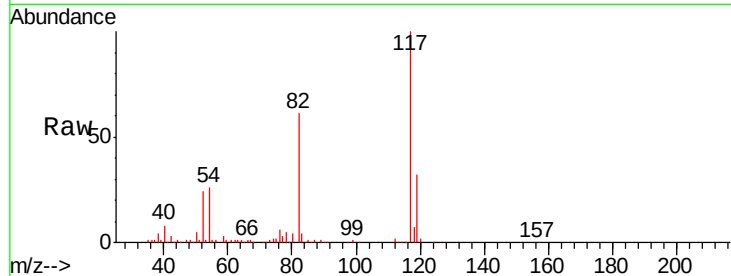
ClientSampleId :

VSTDIC005

Tgt Ion:	117	Resp:	332955
Ion Ratio	Lower	Upper	
117	100		
82	60.6	45.0	67.4
119	32.5	24.8	37.2

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#64

Tetrachloroethene

Concen: 5.500 ug/l

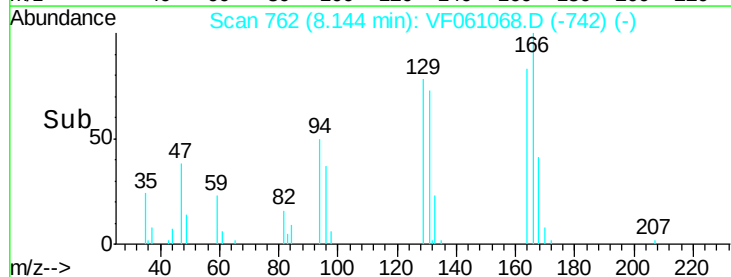
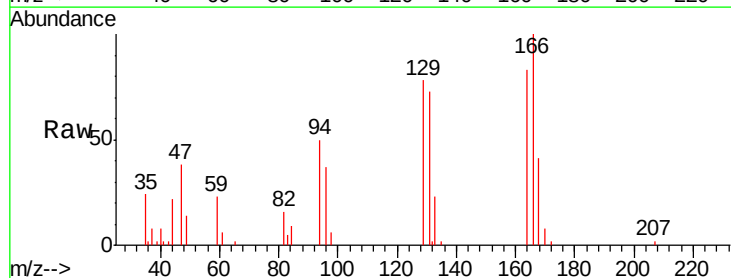
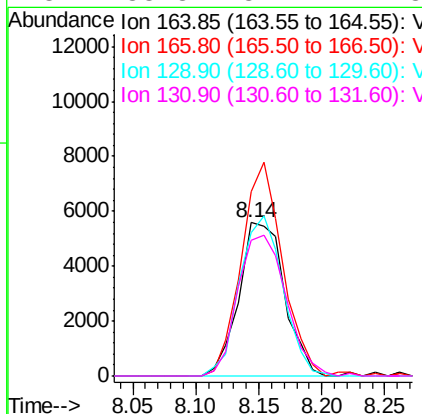
RT: 8.14 min Scan# 762

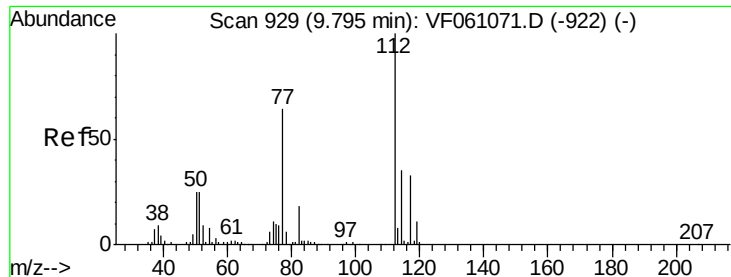
Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:	164	Resp:	14037
Ion Ratio	Lower	Upper	
164	100		
166	120.5	104.0	156.0
129	93.6	81.1	121.7
131	88.3	81.2	121.8





#65

Chlorobenzene

Concen: 5.953 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 38294

Ion Ratio Lower Upper

112 100

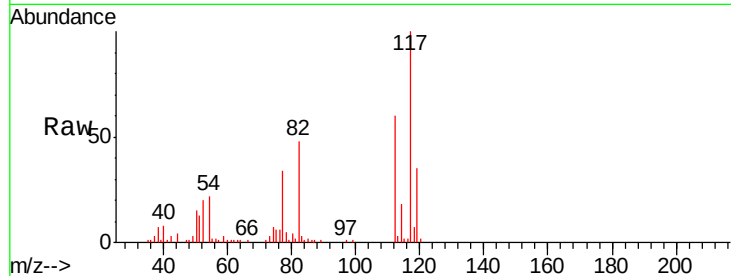
114 29.3 27.8 41.6

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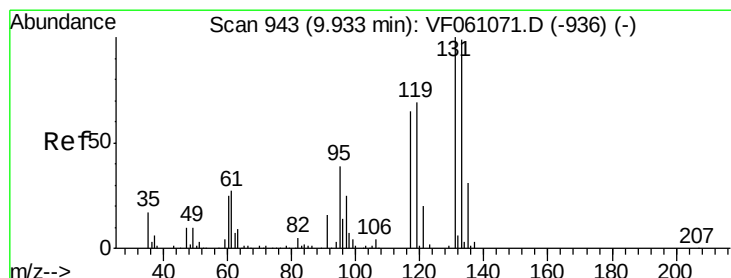
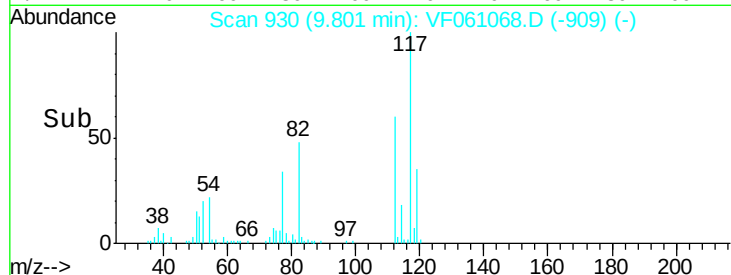
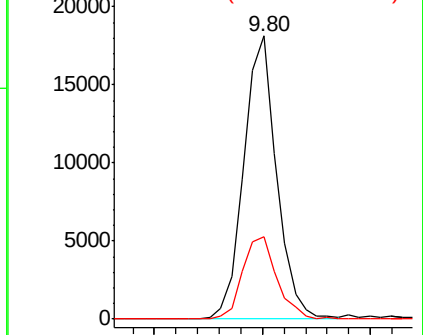
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.612 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

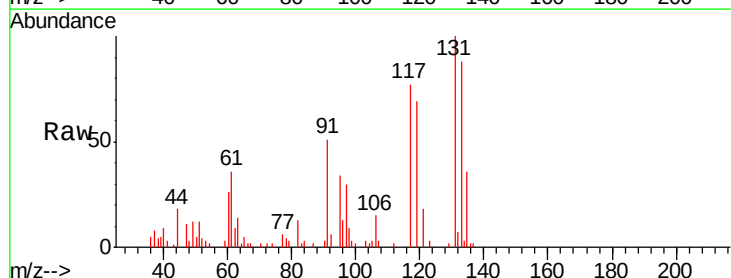
Tgt Ion:131 Resp: 15463

Ion Ratio Lower Upper

131 100

133 88.0 49.5 148.7

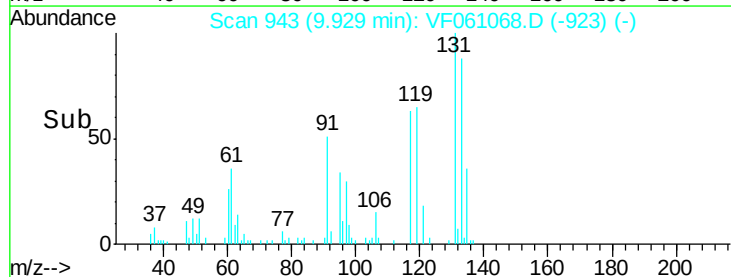
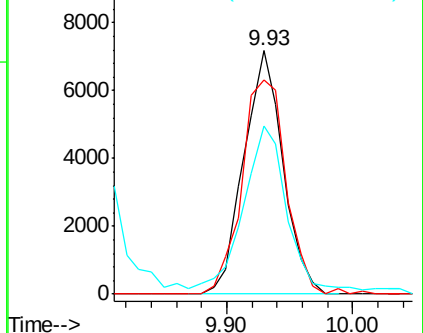
119 69.2 34.5 103.5

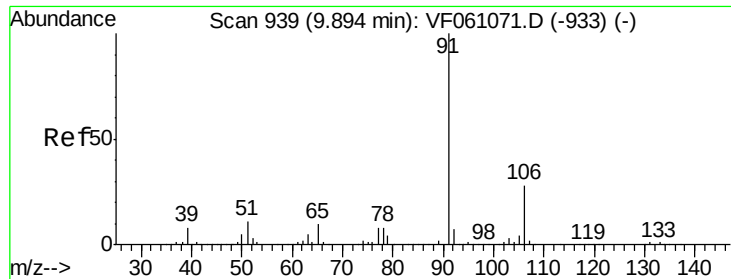


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 5.903 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 70875

Ion Ratio Lower Upper

91 100

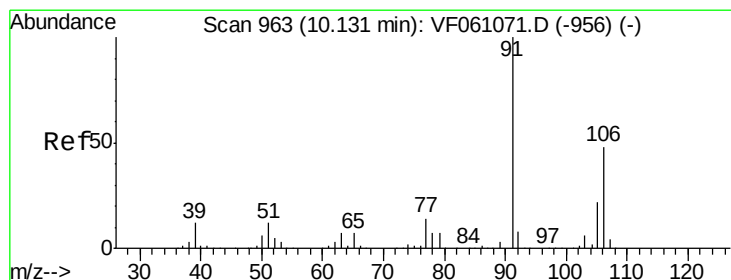
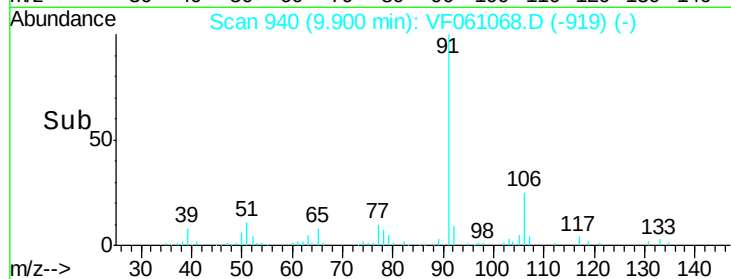
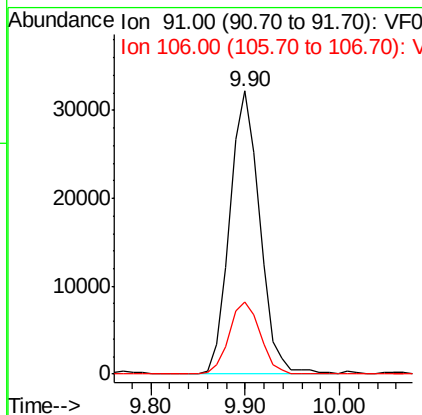
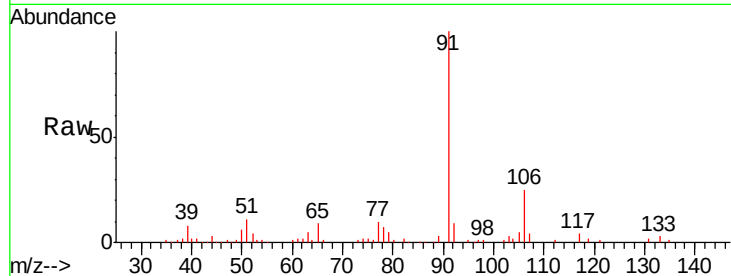
106 25.4 22.5 33.7

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#68

m/p-Xylenes

Concen: 12.074 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061068.D

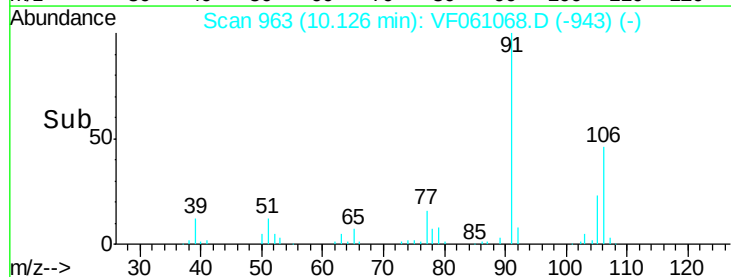
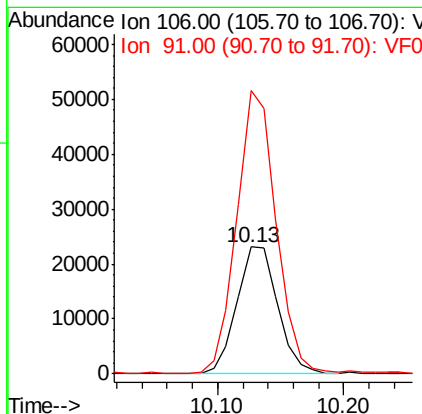
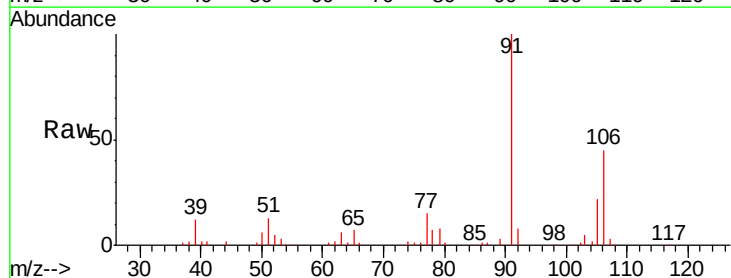
Acq: 18 Dec 2018 18:25

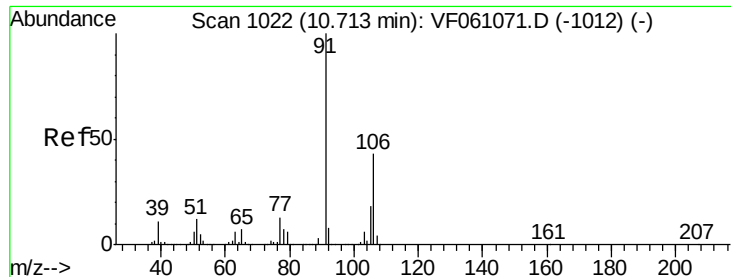
Tgt Ion: 106 Resp: 52322

Ion Ratio Lower Upper

106 100

91 223.1 168.2 252.2





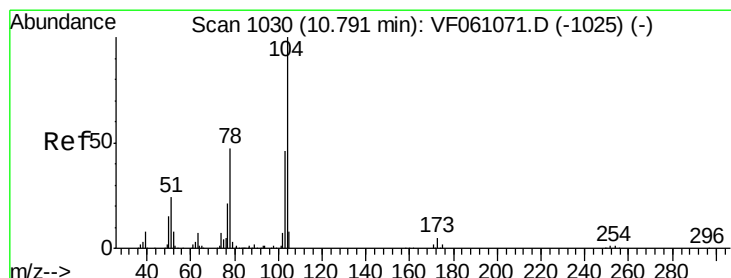
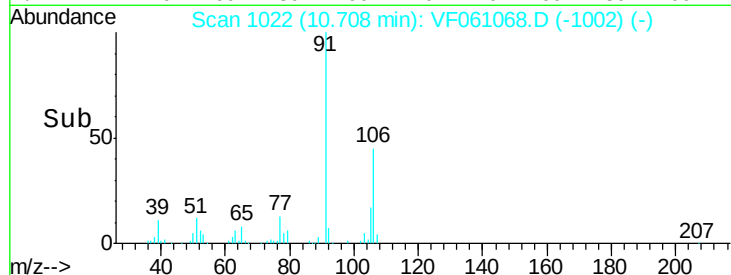
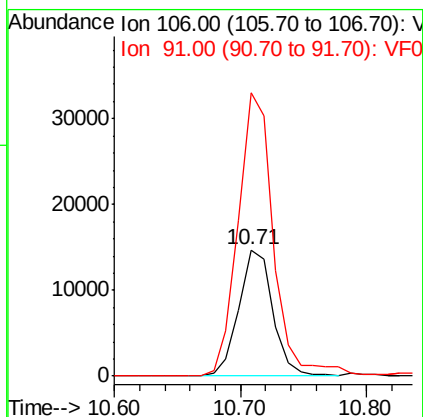
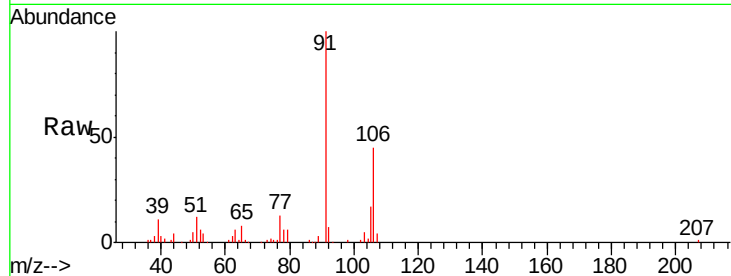
#69
o-Xylene
Concen: 5.765 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 27497
Ion Ratio Lower Upper
106 100
91 224.6 115.9 347.7

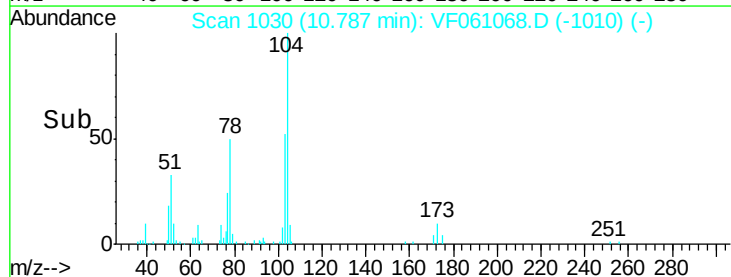
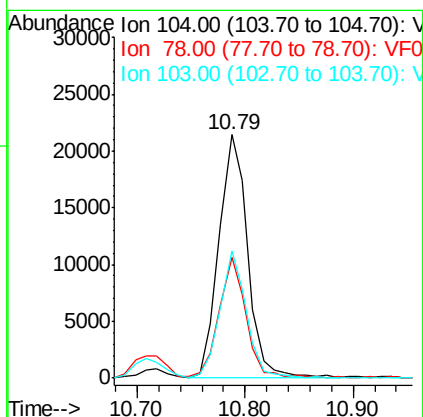
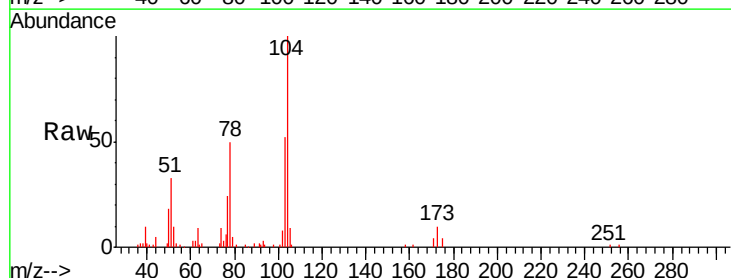
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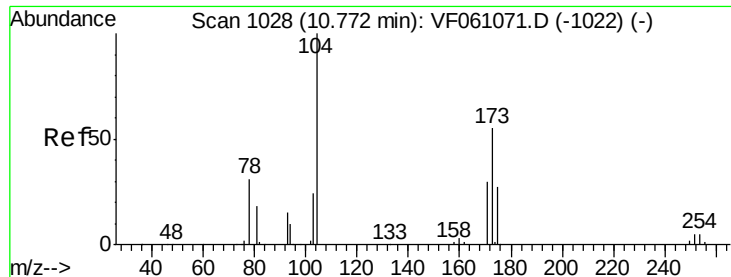
apatel
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#70
Styrene
Concen: 6.056 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion:104 Resp: 39758
Ion Ratio Lower Upper
104 100
78 49.6 38.4 57.6
103 52.3 37.0 55.6





#71

Bromoform

Concen: 5.247 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

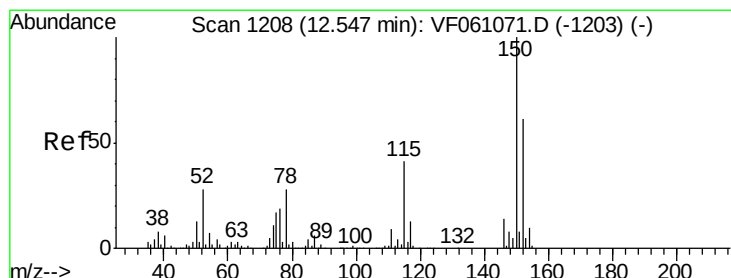
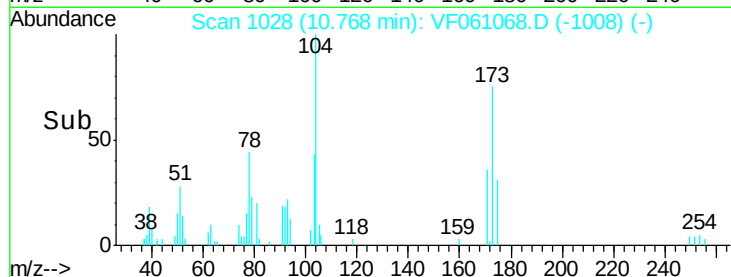
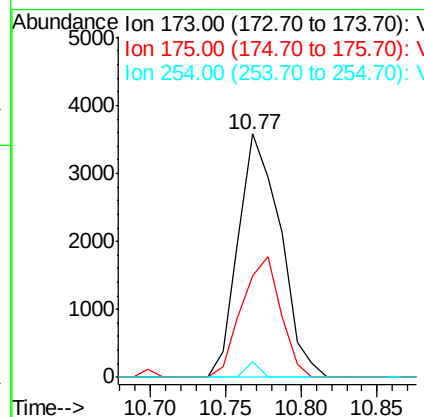
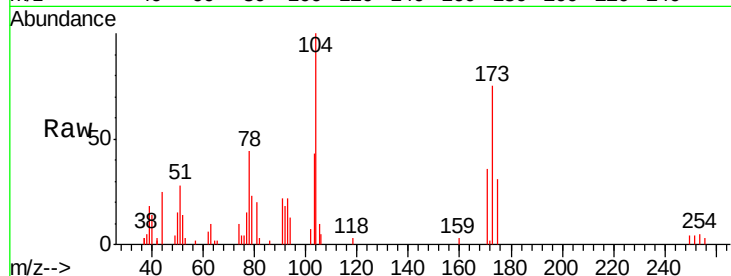
ClientSampleId :

VSTDIC005

Tgt Ion:173 Resp: 6949
 Ion Ratio Lower Upper
 173 100
 175 41.7 24.8 74.4
 254 6.3 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

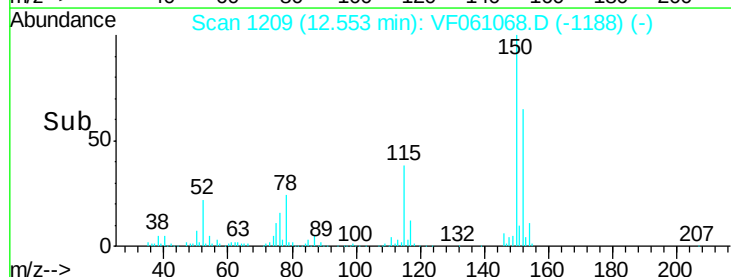
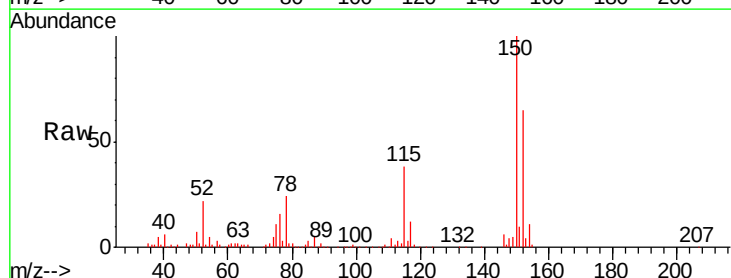
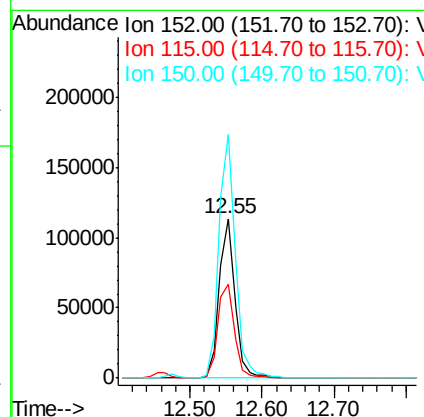
RT: 12.55 min Scan# 1209

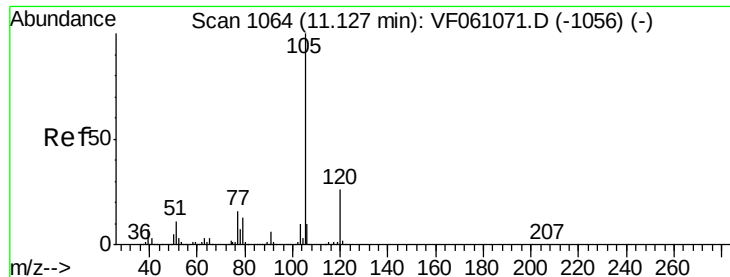
Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion:152 Resp: 170378
 Ion Ratio Lower Upper
 152 100
 115 58.7 33.3 99.9
 150 153.0 0.0 328.2





#73

Isopropylbenzene

Concen: 6.302 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 85976

Ion Ratio Lower Upper

105 100

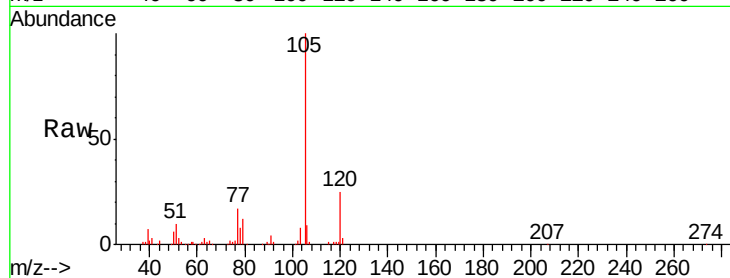
120 24.6 13.0 39.0

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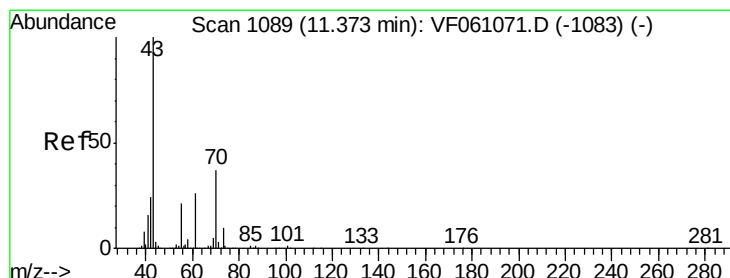
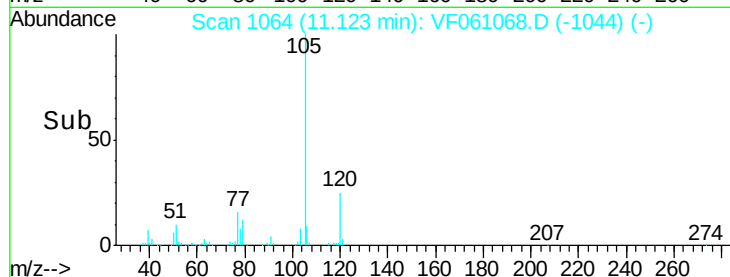
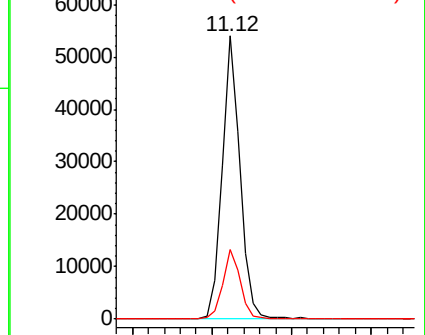
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.893 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion: 43 Resp: 18373

Ion Ratio Lower Upper

43 100

70 32.4 29.2 43.8

55 25.7 16.5 24.7#

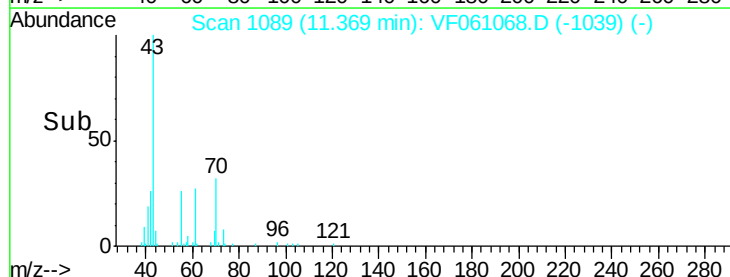
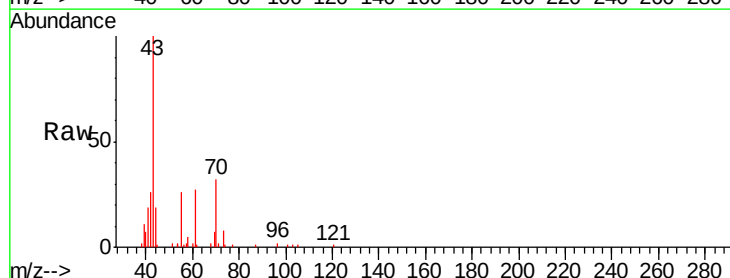
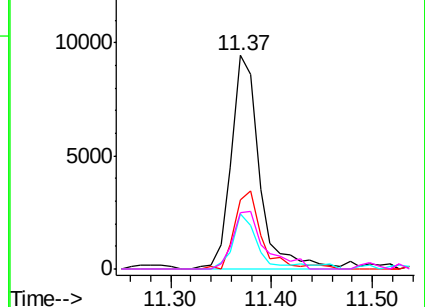
61 26.6 20.7 31.1

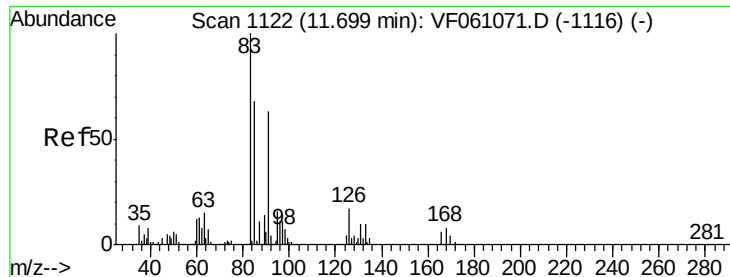
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 5.783 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 12938
Ion Ratio Lower Upper

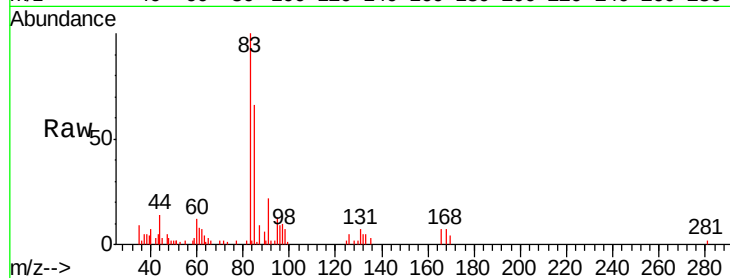
83 100

131 7.2 4.8 14.3

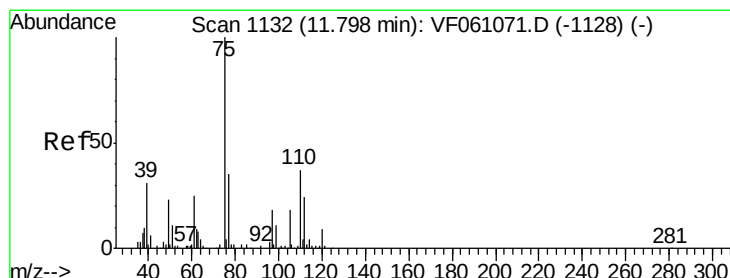
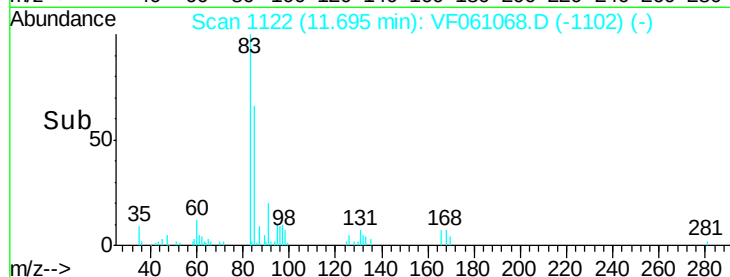
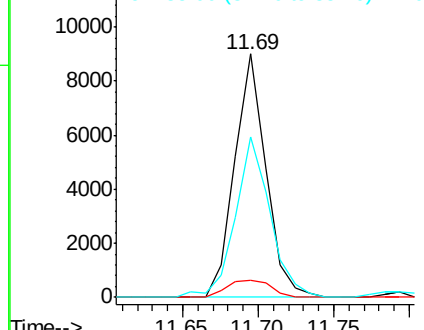
85 65.8 33.9 101.6

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 6.235 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

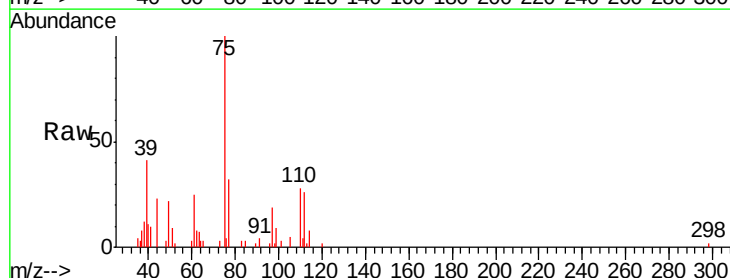
Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

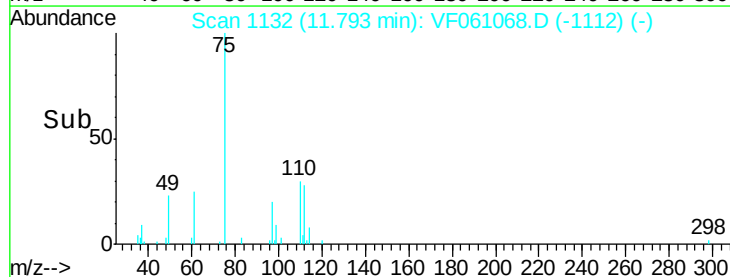
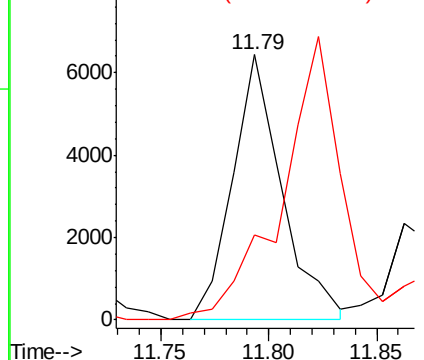
Tgt Ion: 75 Resp: 10217
Ion Ratio Lower Upper

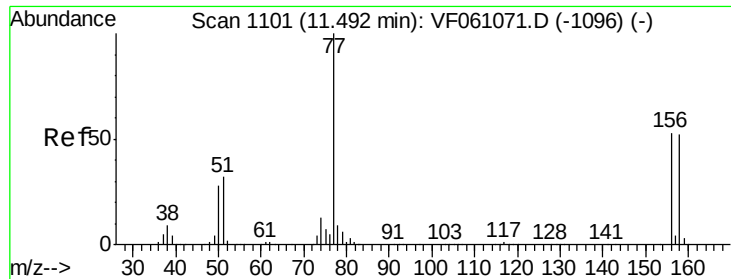
75 100

77 32.3 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 6.056 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

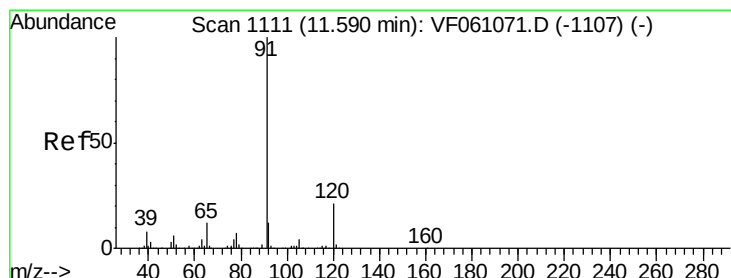
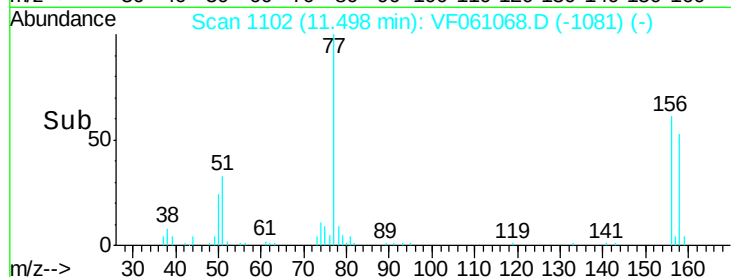
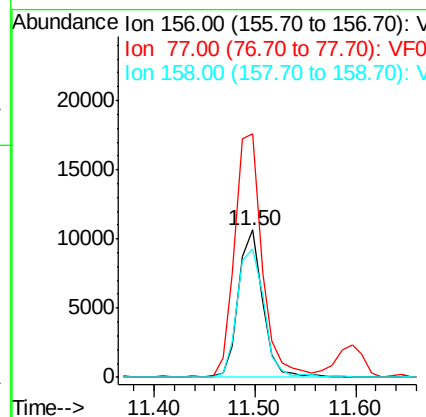
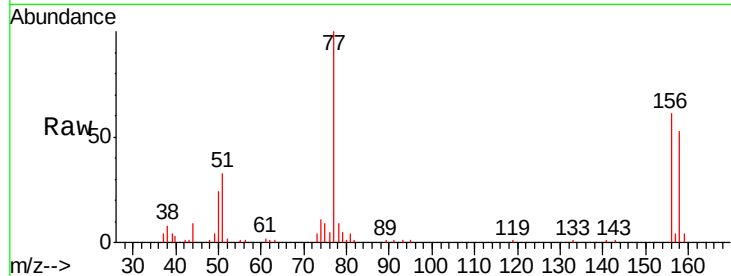
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	165.2	93.8	281.4
158	86.8	48.9	146.8

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#78

n-propylbenzene

Concen: 6.231 ug/l

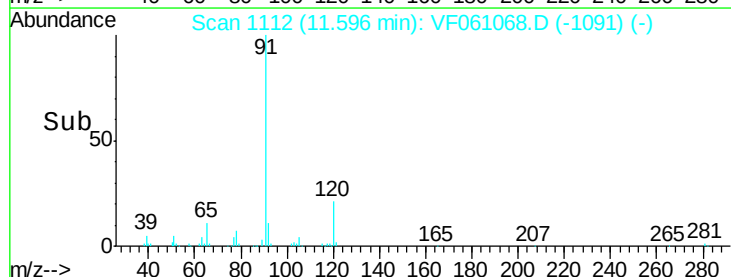
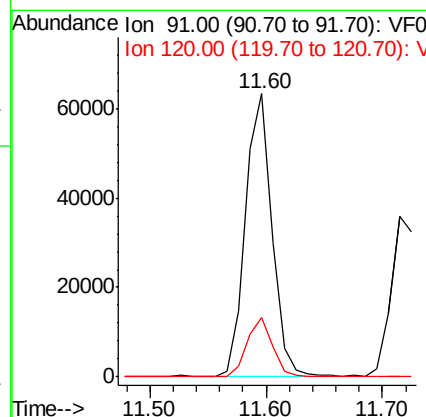
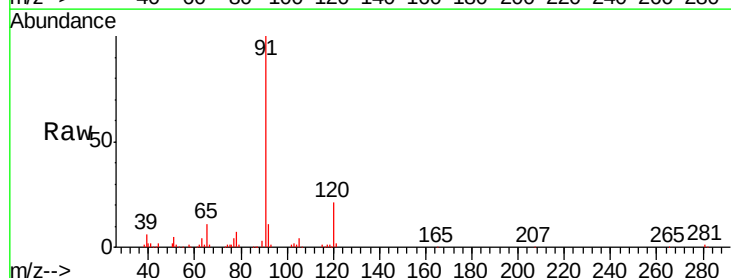
RT: 11.60 min Scan# 1112

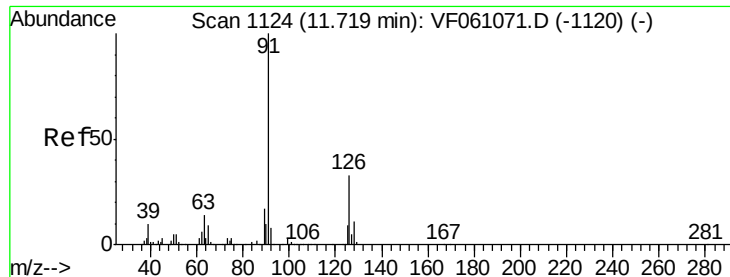
Delta R.T. 0.01 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.4	31.2





#79

2-Chlorotoluene

Concen: 6.371 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF061068.D

Acq: 18 Dec 2018 18:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 58474

Ion Ratio Lower Upper

91 100

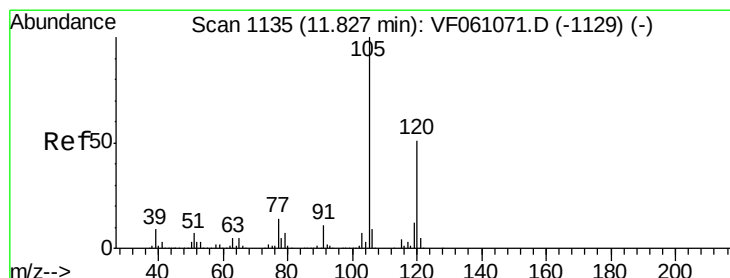
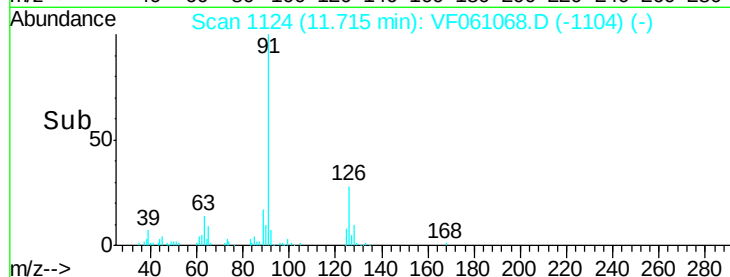
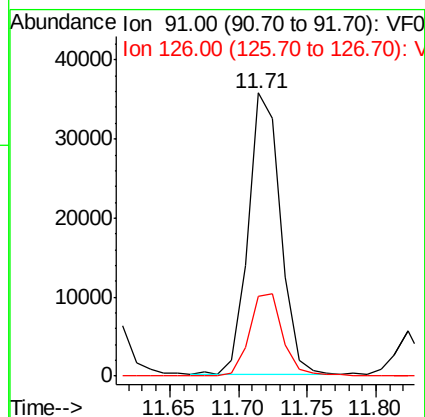
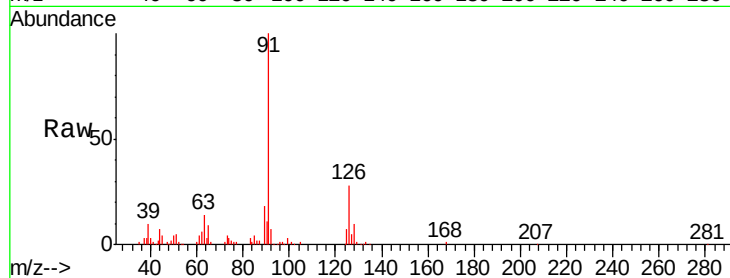
126 28.2 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 6.164 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061068.D

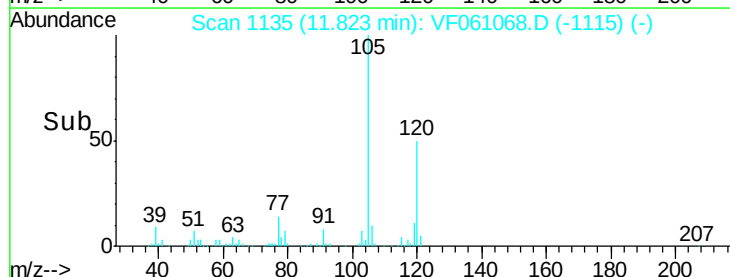
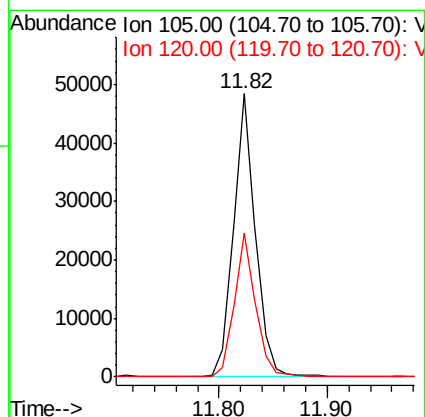
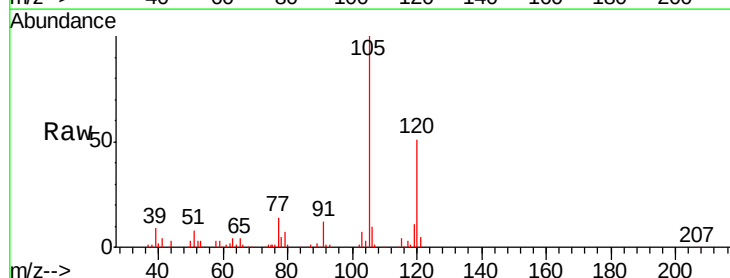
Acq: 18 Dec 2018 18:25

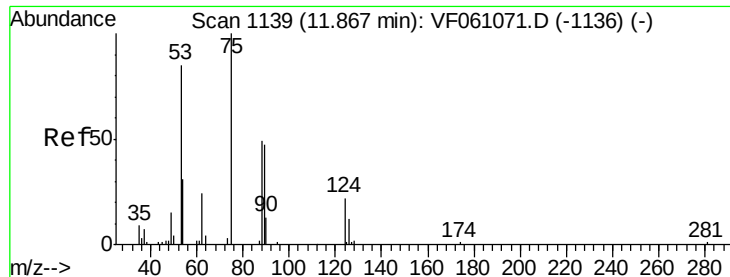
Tgt Ion: 105 Resp: 68223

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.4





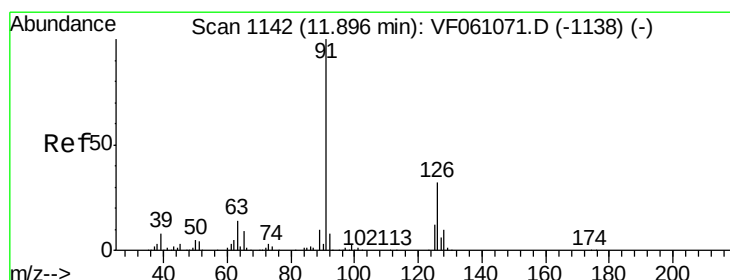
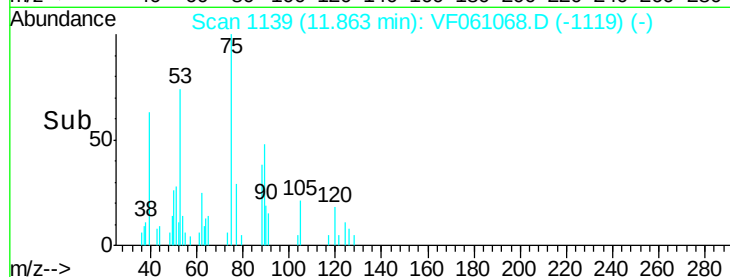
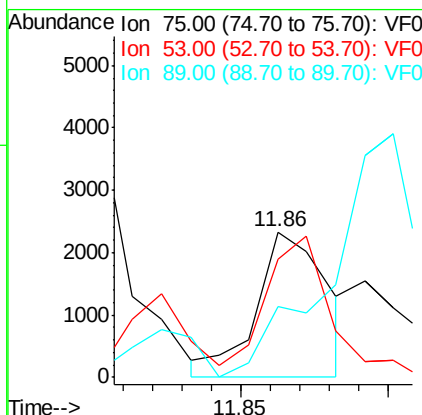
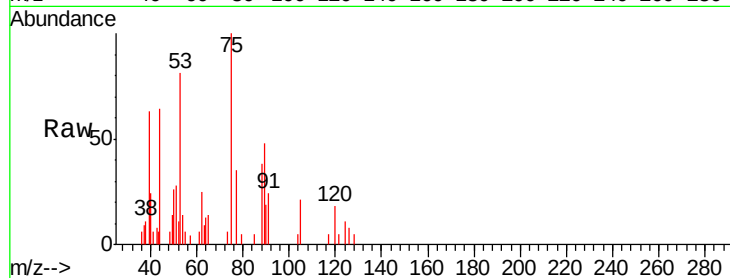
#81
trans-1,4-Dichloro-2-butene
Concen: 4.968 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	81.3	74.1	111.1
89	48.5	42.6	64.0

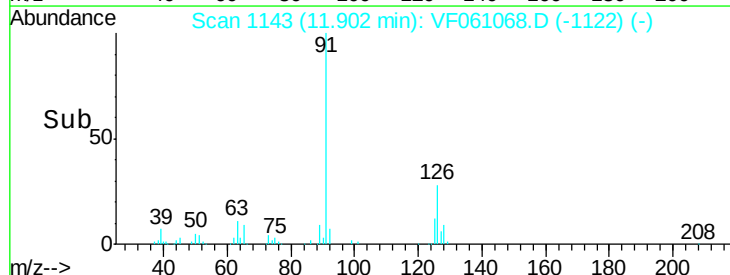
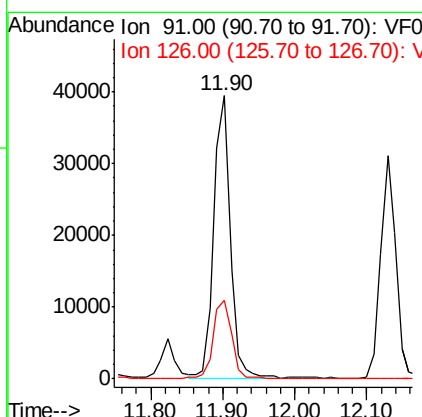
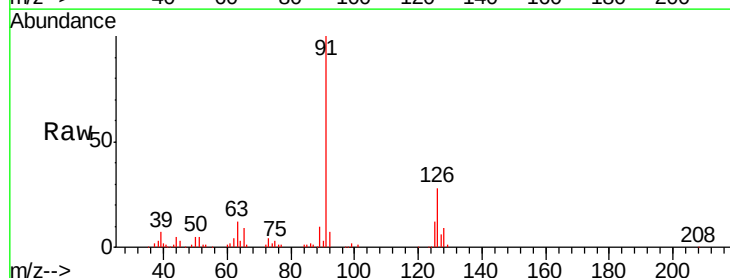
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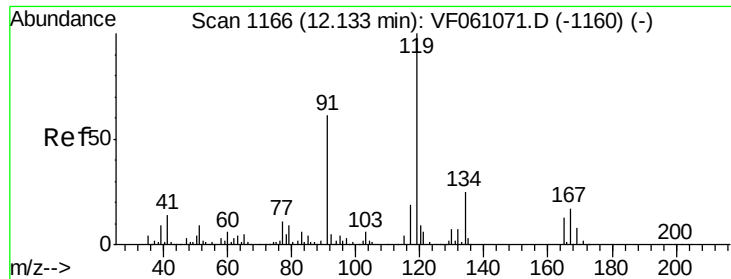
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#82
4-Chlorotoluene
Concen: 6.356 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	16.0	47.9





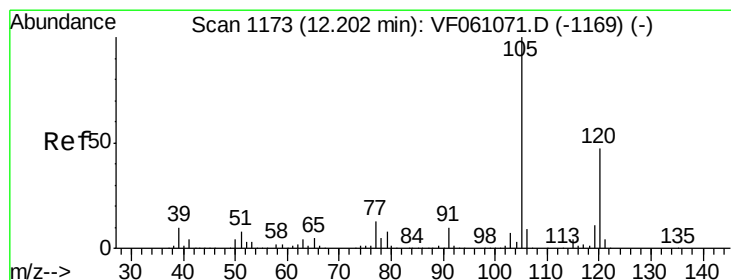
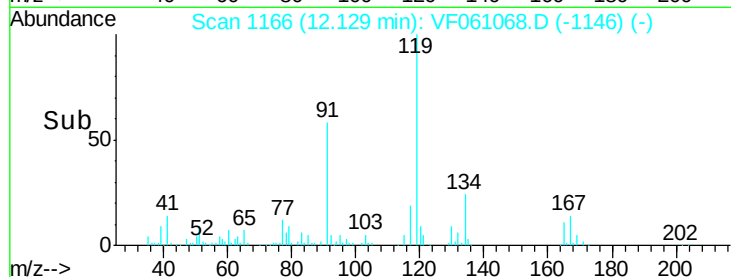
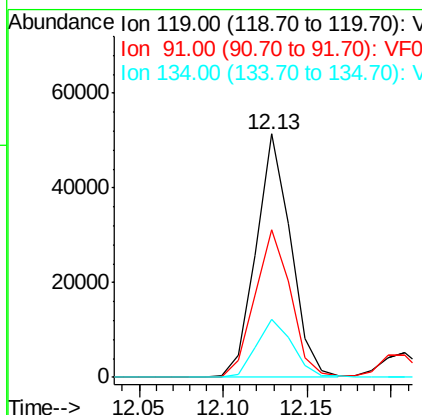
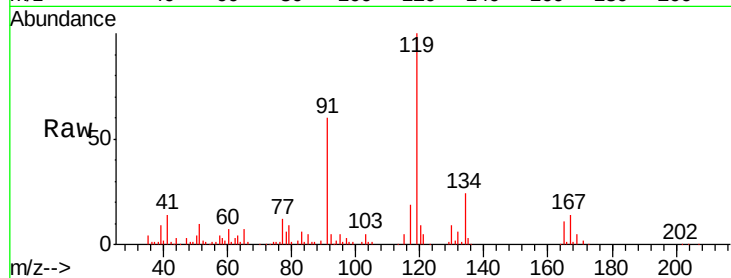
#83
 tert-Butylbenzene
 Concen: 6.527 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.5	91.5
134	23.7	12.4	37.4

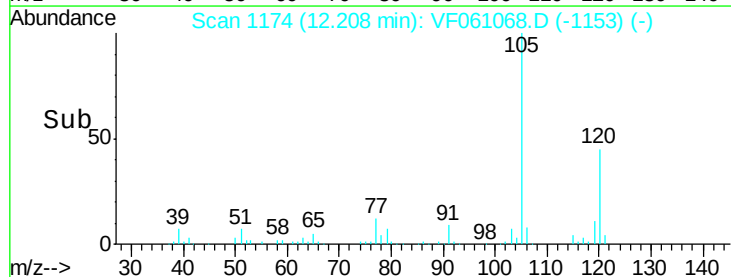
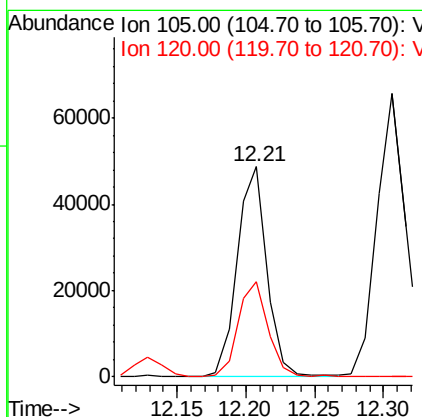
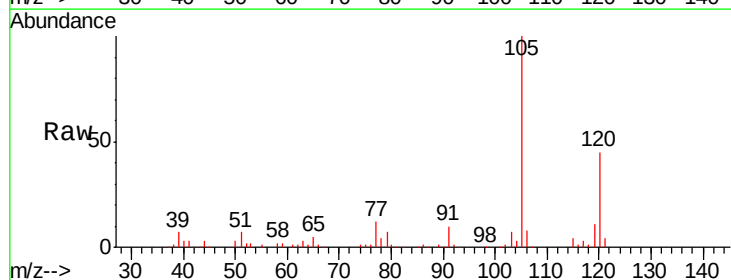
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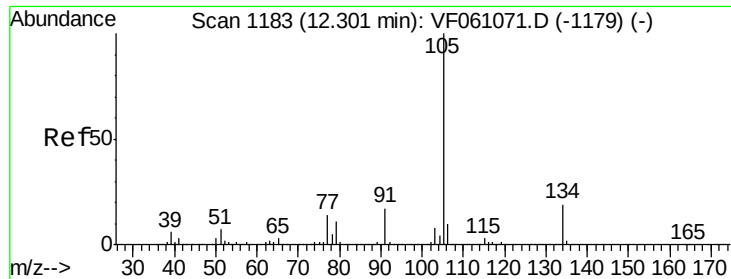
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#84
 1,2,4-Trimethylbenzene
 Concen: 6.726 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.6	71.0





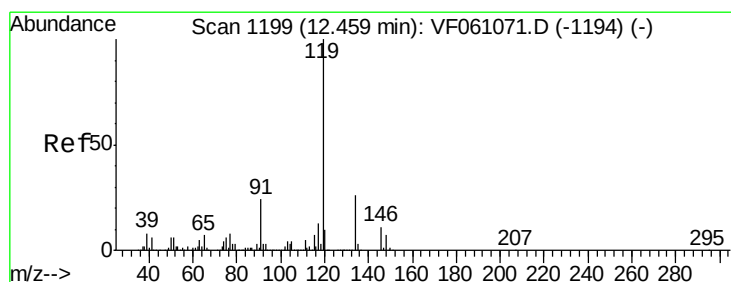
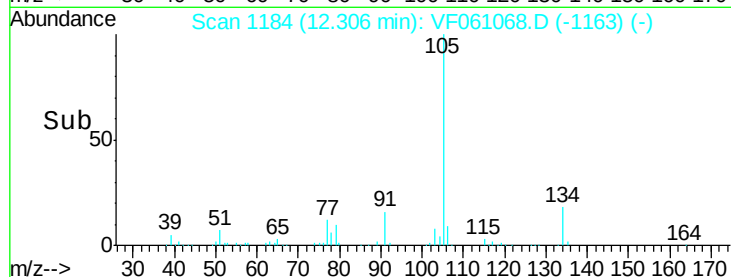
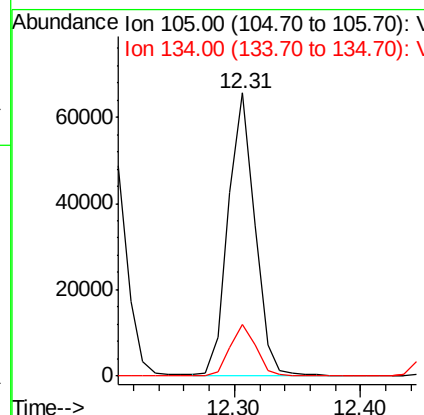
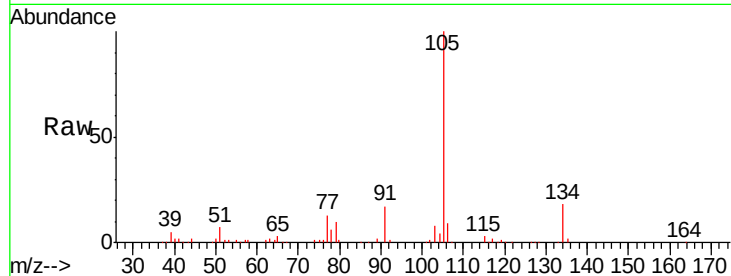
#85
 sec-Butylbenzene
 Concen: 6.263 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	96112		
134	18.1	9.4	28.2	

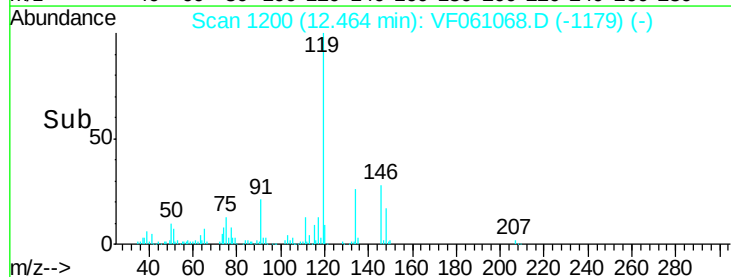
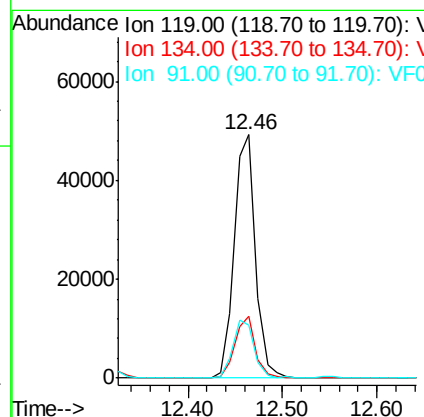
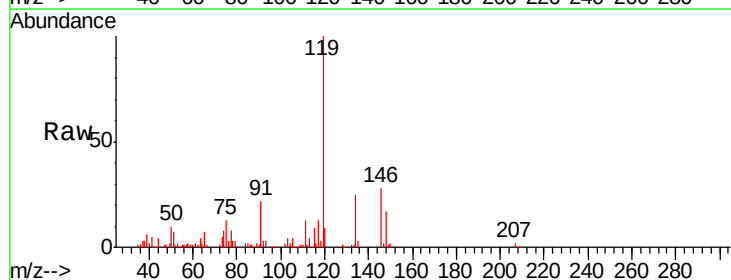
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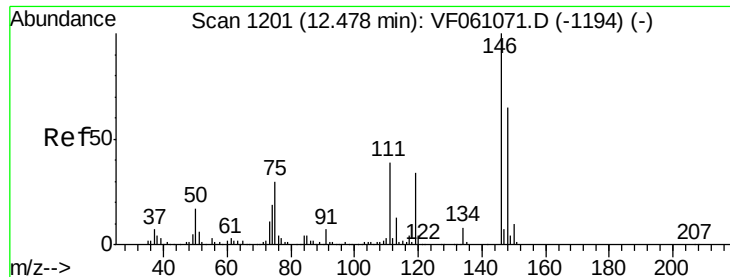
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#86
 p-Isopropyltoluene
 Concen: 5.934 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	76592		
134	25.5	12.8	38.4	
91	21.6	12.2	36.6	





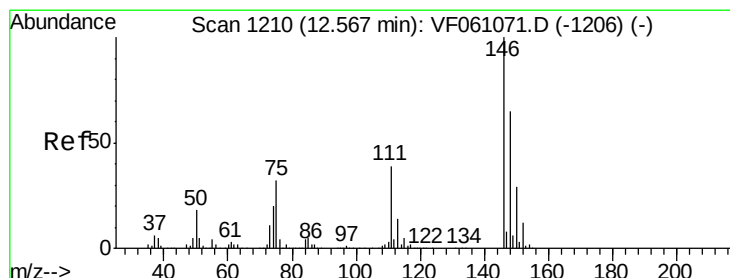
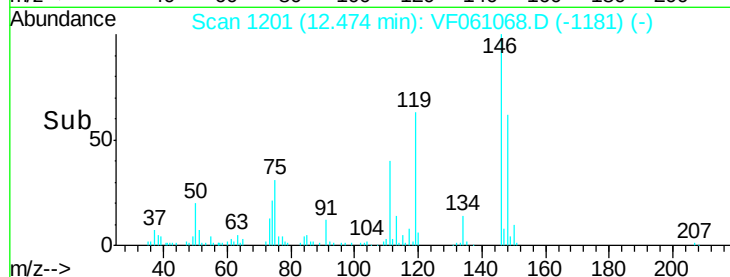
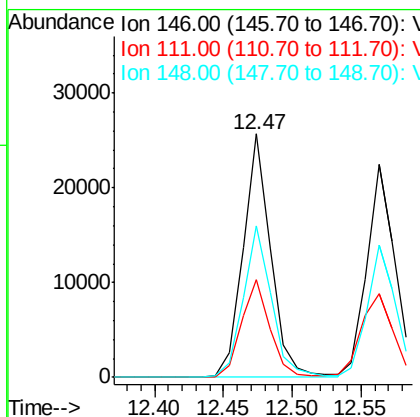
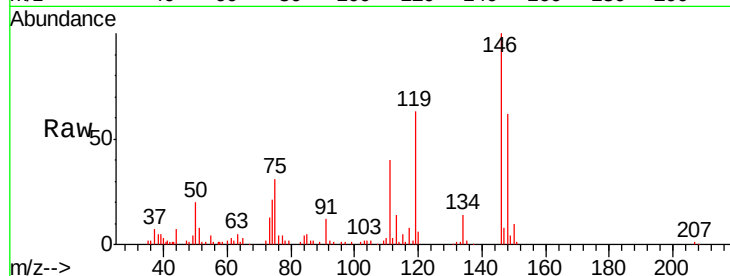
#87
 1,3-Dichlorobenzene
 Concen: 6.472 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.9
148	62.4	32.4	97.2

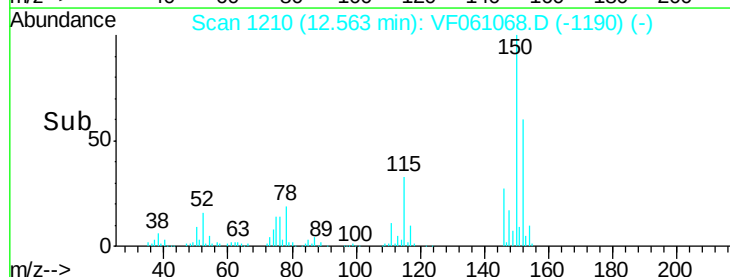
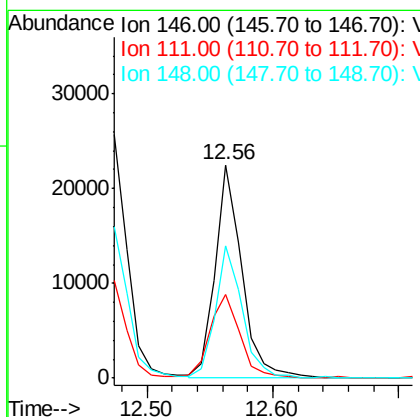
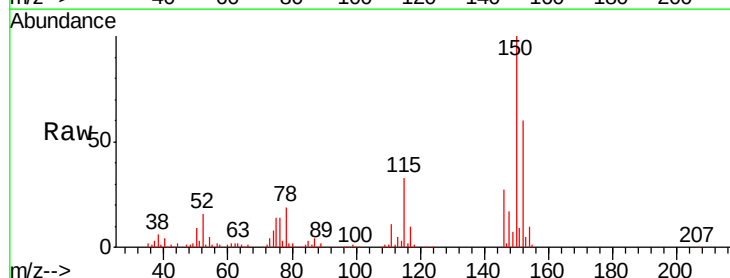
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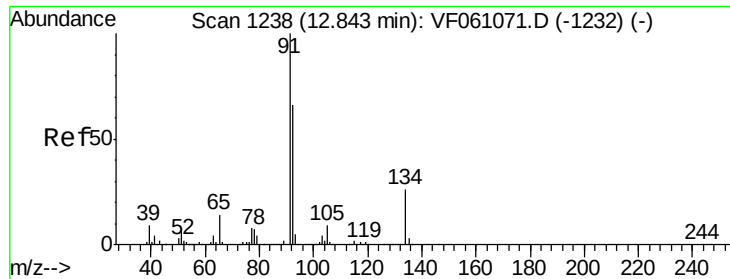
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#88
 1,4-Dichlorobenzene
 Concen: 6.104 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.4
148	61.8	32.4	97.0





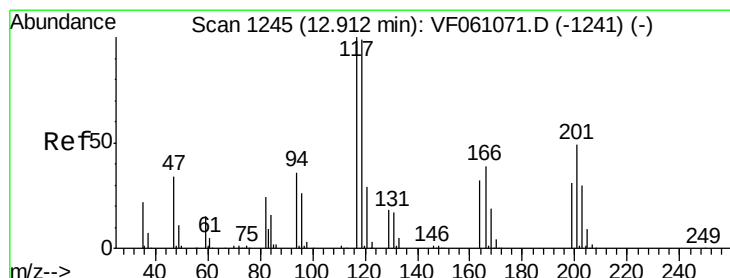
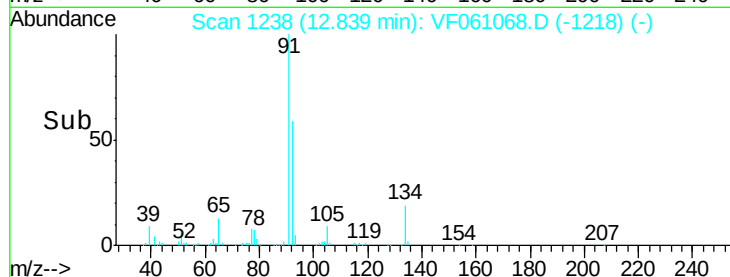
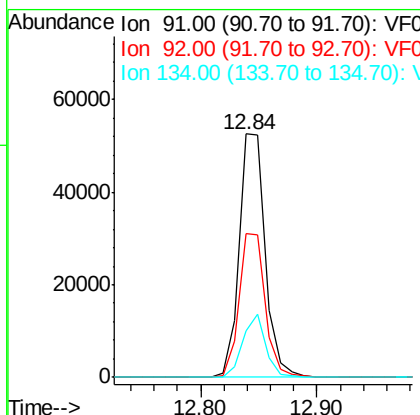
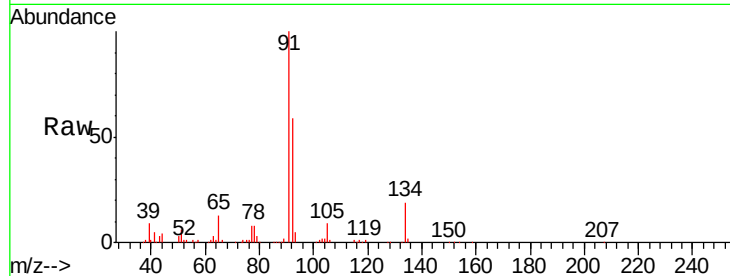
#89
n-Butylbenzene
Concen: 6.292 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	32.8	98.4
134	19.1	13.2	39.5

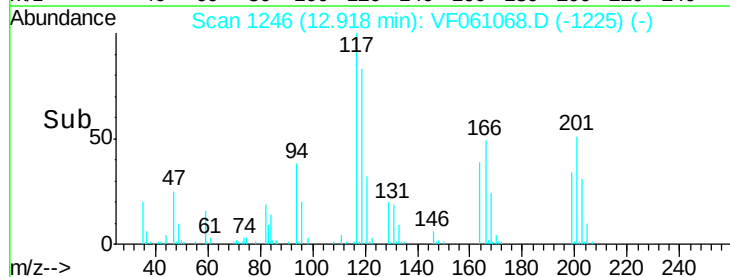
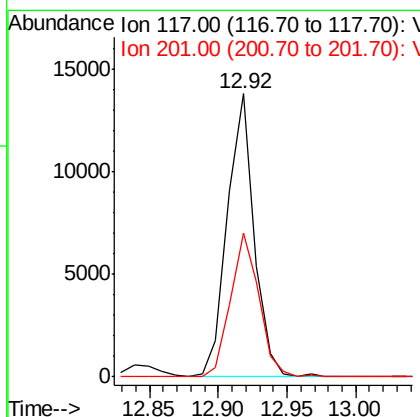
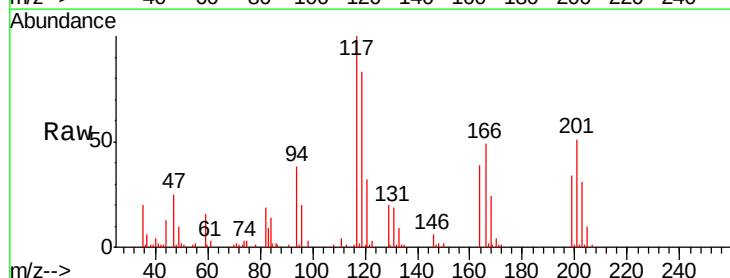
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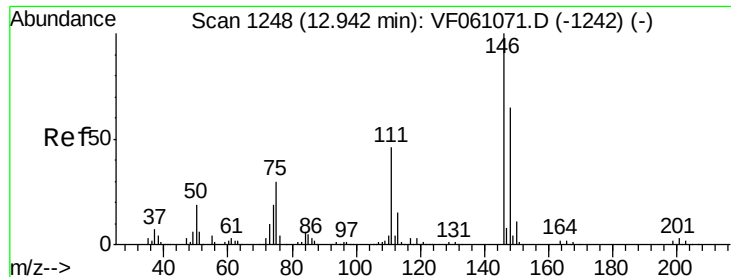
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#90
Hexachloroethane
Concen: 6.038 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	50.9	24.9	74.8





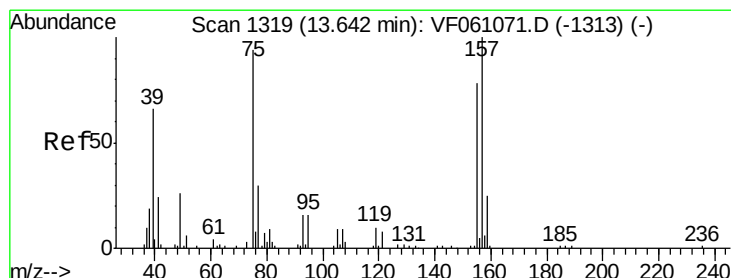
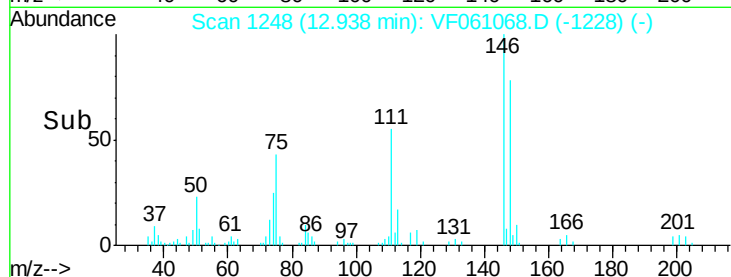
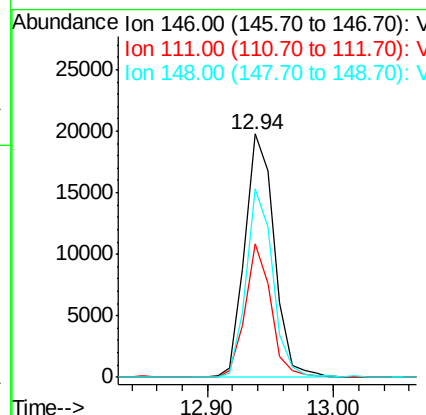
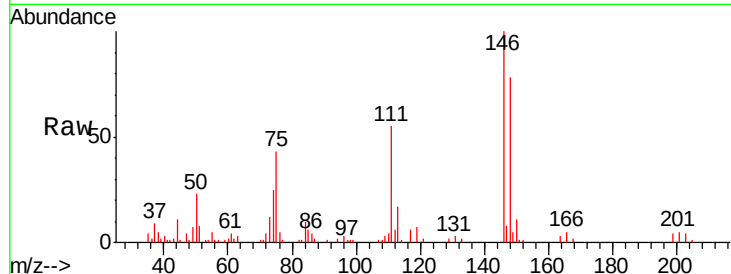
#91
 1,2-Dichlorobenzene
 Concen: 5.994 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.0	23.2	69.5
148	77.6	32.4	97.0

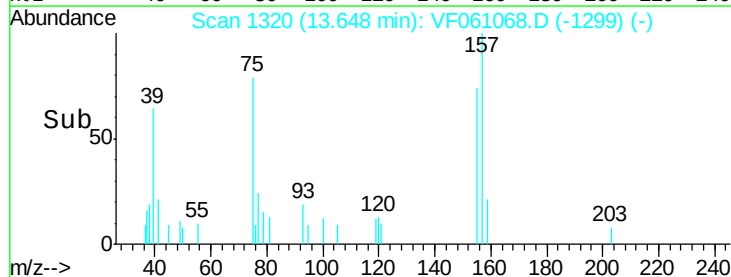
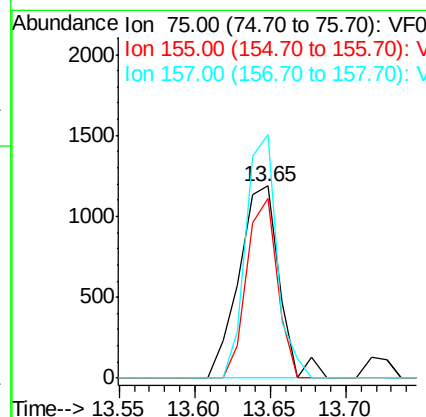
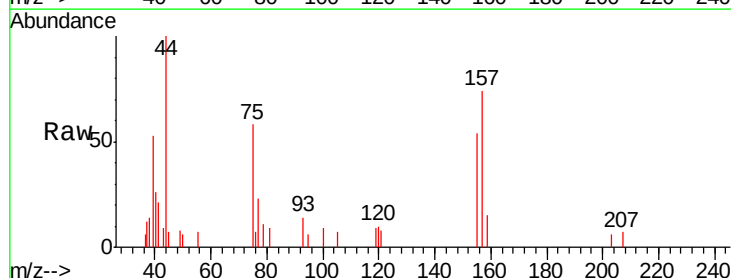
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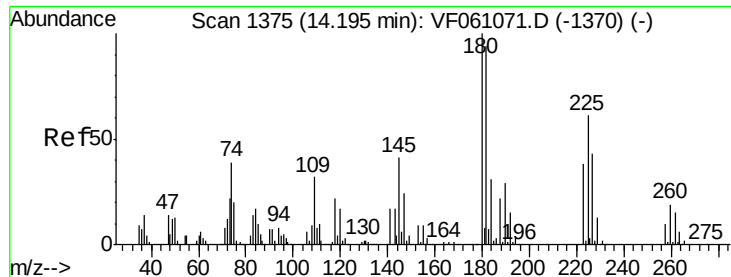
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.102 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061068.D
 Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	41.5	124.5
157	126.9	53.2	159.6





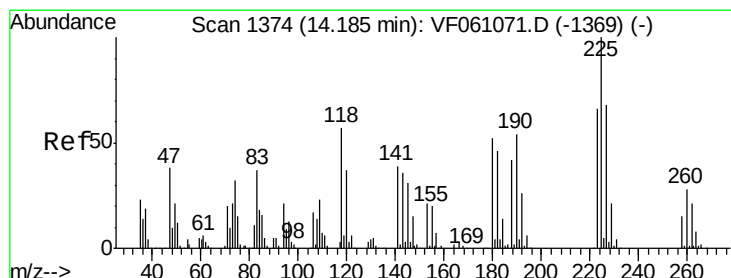
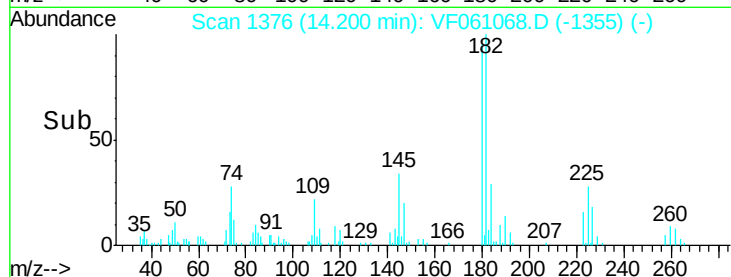
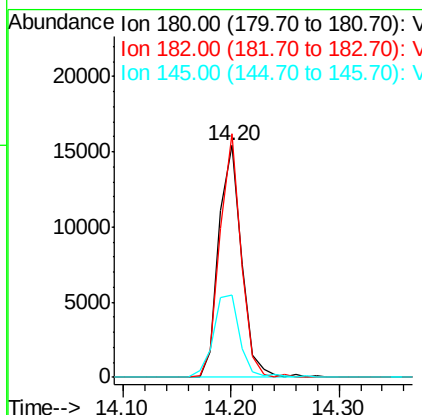
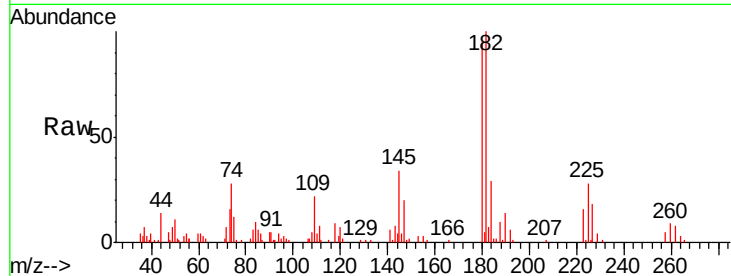
#93
1,2,4-Trichlorobenzene
Concen: 6.070 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22662		
182	105.1	46.9	140.6	
145	35.5	20.5	61.6	

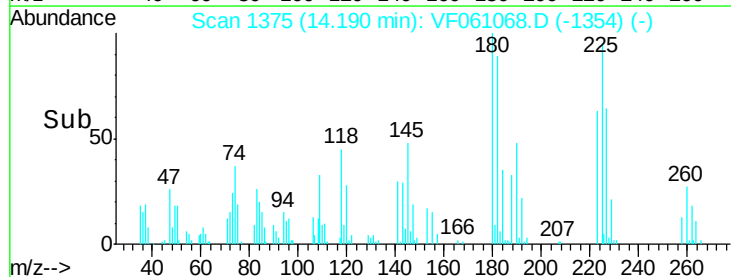
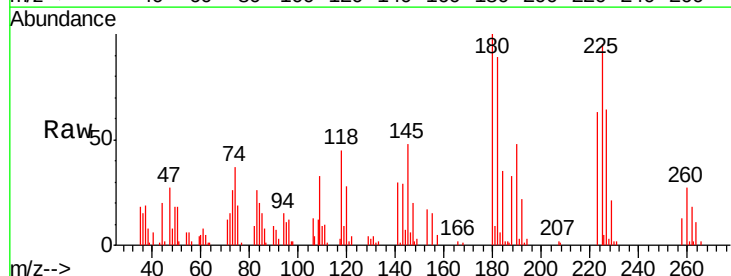
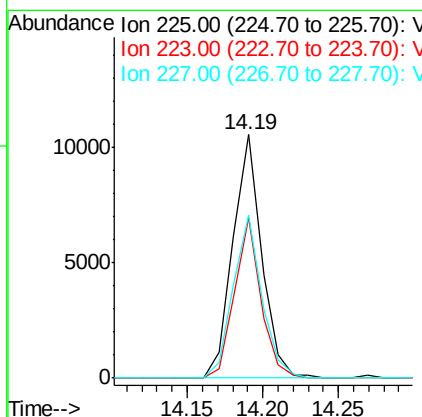
Manual Integrations
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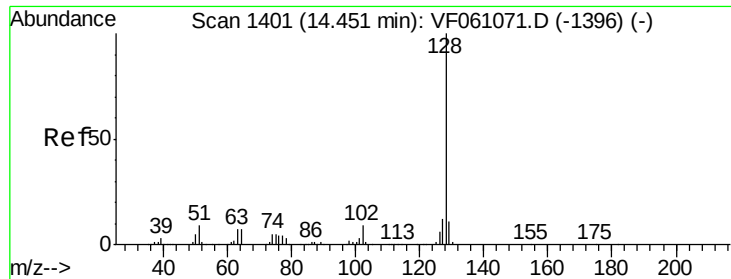
apatel
12/20/2018 10:28:37 AM



#94
Hexachlorobutadiene
Concen: 5.617 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13962		
223	66.1	32.8	98.3	
227	66.8	34.0	101.8	





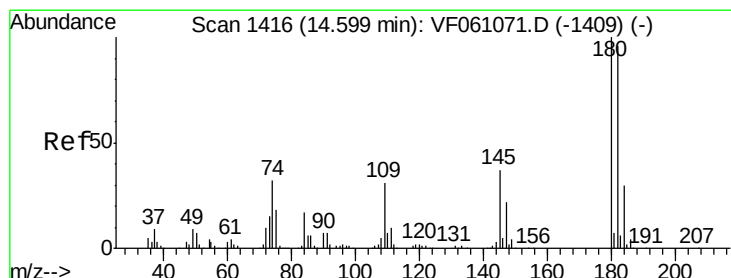
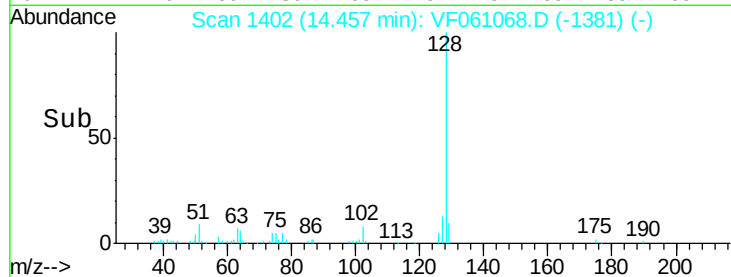
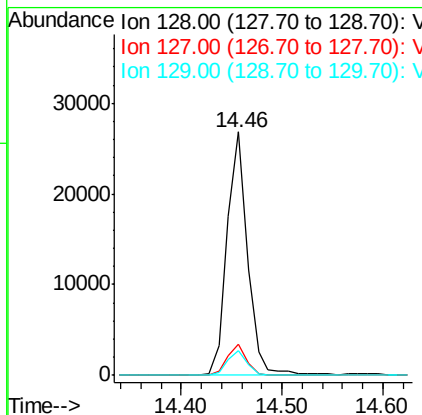
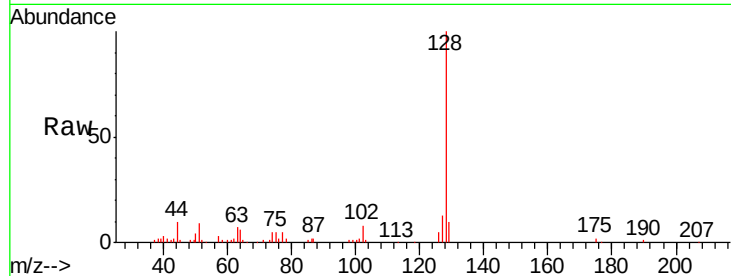
#95
Naphthalene
Concen: 4.637 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	38005		
127	12.7		9.4	14.2
129	10.2		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.634 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061068.D
Acq: 18 Dec 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	19792		
182	86.1		47.9	143.8
145	34.4		18.6	55.8

