

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061071.D
 Acq On : 18 Dec 2018 19:51
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 12/20/2018 10:28:53 AM

Quant Time: Dec 19 06:28:52 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	198020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	337564	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	323859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	151783	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	120682	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	4.11	113	125326	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	7.56	98	371392	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.41	95	164518	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	222056	69.080	ug/l	100
3) Chloromethane	1.10	50	125150	60.748	ug/l	100
4) Vinyl Chloride	1.13	62	119698	62.777	ug/l	100
5) Bromomethane	1.34	94	83120	62.699	ug/l	100
6) Chloroethane	1.39	64	54037	65.748	ug/l	100
7) Trichlorofluoromethane	1.50	101	234392m	59.293	ug/l	
8) Diethyl Ether	1.63	74	31005	54.795	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	111793	56.008	ug/l	100
10) Methyl Iodide	1.91	142	177384m	58.008	ug/l	
11) Tert butyl alcohol	2.56	59	26538	274.912	ug/l	100
12) 1,1-Dichloroethene	1.80	96	88799	55.359	ug/l	100
13) Acrolein	2.00	56	15988m	190.756	ug/l	
14) Allyl chloride	2.09	41	85278	45.588	ug/l	100
15) Acrylonitrile	2.94	53	63048	285.365	ug/l	100
16) Acetone	2.24	43	134933	302.167	ug/l	100
17) Carbon Disulfide	1.83	76	261789m	59.514	ug/l	
18) Methyl Acetate	2.35	43	47194	57.072	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	193197	53.938	ug/l	100
20) Methylene Chloride	2.26	84	84068m	54.962	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	86745m	56.079	ug/l	
22) Diisopropyl ether	2.80	45	299842	55.340	ug/l	100
23) Vinyl Acetate	3.19	43	705158	283.569	ug/l	100
24) 1,1-Dichloroethane	2.87	63	183410	56.979	ug/l	100
25) 2-Butanone	4.33	43	206908	273.913	ug/l	100
26) 2,2-Dichloropropane	3.59	77	102054	50.125	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	136937	54.619	ug/l	100
28) Bromochloromethane	3.72	49	90602	57.337	ug/l	100
29) Tetrahydrofuran	4.07	42	81632	256.248	ug/l	100
30) Chloroform	3.86	83	271415	54.611	ug/l	100
31) Cyclohexane	3.69	56	180615m	53.498	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	155207	47.179	ug/l	100
36) 1,1-Dichloropropene	4.27	75	205165	54.277	ug/l	100
37) Ethyl Acetate	4.11	43	79203	51.870	ug/l	100
38) Carbon Tetrachloride	3.99	117	155191	48.488	ug/l	100

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

39) Methylcyclohexane	5.45	83	192179m	48.908	ug/l	
40) Benzene	4.63	78	433005	52.075	ug/l	100
41) Methacrylonitrile	4.74	41	42651	47.184	ug/l	100
42) 1,2-Dichloroethane	4.94	62	168427	55.558	ug/l	100
43) Isopropyl Acetate	6.95	43	94932	46.351	ug/l	100
44) Trichloroethene	5.50	130	138958	51.238	ug/l	100
45) 1,2-Dichloropropane	6.23	63	118123	54.916	ug/l	100
46) Dibromomethane	6.09	93	78135	53.630	ug/l	100
47) Bromodichloromethane	6.38	83	209889	54.108	ug/l	100
48) Methyl methacrylate	6.72	41	69637	50.870	ug/l	100
49) 1,4-Dioxane	6.71	88	10447	1055.482	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	332319	238.916	ug/l	100
52) Toluene	7.63	92	281154	48.292	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	157788	50.382	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	199316	51.572	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	81994	48.942	ug/l	100
56) Ethyl methacrylate	8.62	69	94379	51.086	ug/l	100
57) 1,3-Dichloropropane	8.85	76	152499	51.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	87295	399.097	ug/l	100
59) 2-Hexanone	9.49	43	245999	250.269	ug/l	100
60) Dibromochloromethane	8.72	129	128553	51.376	ug/l	100
61) 1,2-Dibromoethane	8.99	107	93190	51.171	ug/l	100
64) Tetrachloroethene	8.15	164	120007	48.342	ug/l	100
65) Chlorobenzene	9.80	112	317592	50.762	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	126831	47.325	ug/l	100
67) Ethyl Benzene	9.89	91	579058	49.581	ug/l	100
68) m/p-Xylenes	10.13	106	405862	96.288	ug/l	100
69) o-Xylene	10.71	106	225787	48.668	ug/l	100
70) Styrene	10.79	104	300763	47.100	ug/l	100
71) Bromoform	10.77	173	60108	46.662	ug/l	100
73) Isopropylbenzene	11.13	105	669355	55.073	ug/l	100
74) N-amyl acetate	11.37	43	145784	52.485	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	109096	54.733	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	81559	55.874	ug/l	100
77) Bromobenzene	11.49	156	142510	54.206	ug/l	100
78) n-propylbenzene	11.59	91	784120	55.060	ug/l	100
79) 2-Chlorotoluene	11.72	91	451981	55.283	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	540452	54.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	35765m	50.927	ug/l	
82) 4-Chlorotoluene	11.90	91	448896	52.366	ug/l	100
83) tert-Butylbenzene	12.13	119	555527	55.083	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	524681	53.834	ug/l	100
85) sec-Butylbenzene	12.30	105	720438	52.699	ug/l	100
86) p-Isopropyltoluene	12.46	119	601208	52.286	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	254028	50.804	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	249402	51.153	ug/l	100
89) n-Butylbenzene	12.84	91	615519	53.188	ug/l	100
90) Hexachloroethane	12.91	117	151072	54.774	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	254151	53.436	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21137	54.844	ug/l	100

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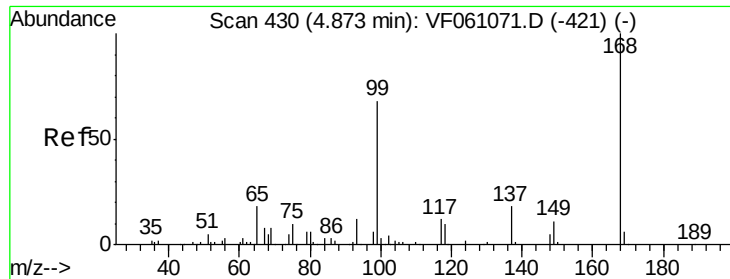
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	176299	53.006	ug/l	100
94) Hexachlorobutadiene	14.18	225	115265	52.054	ug/l	100
95) Naphthalene	14.45	128	340639	46.656	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	176225	56.309	ug/l	100

(#) = 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: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 168 Resp: 198020

Ion Ratio Lower Upper

168 100

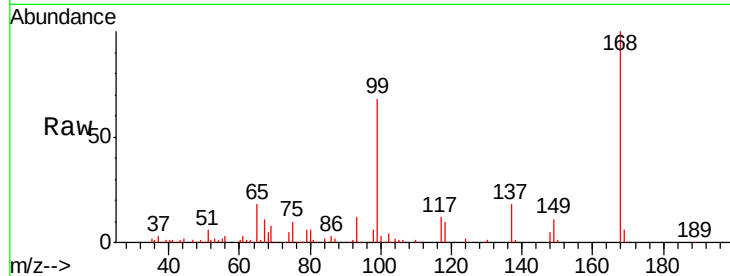
99 68.0 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

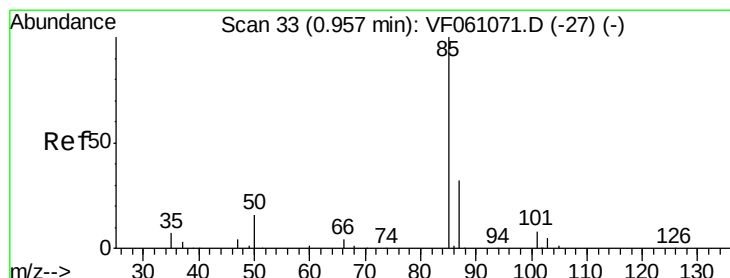
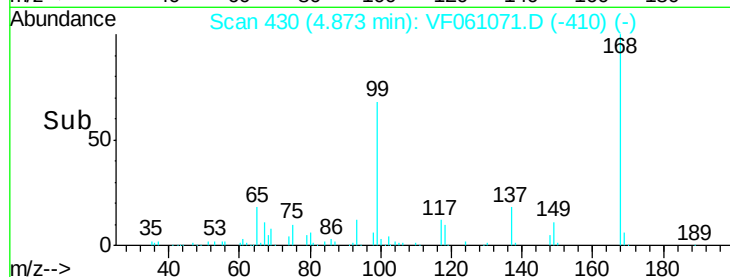
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 69.080 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061071.D

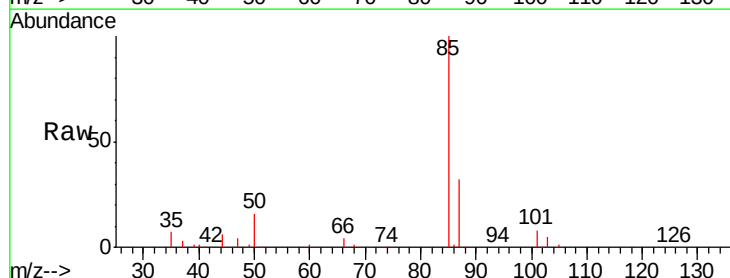
Acq: 18 Dec 2018 19:51

Tgt Ion: 85 Resp: 222056

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

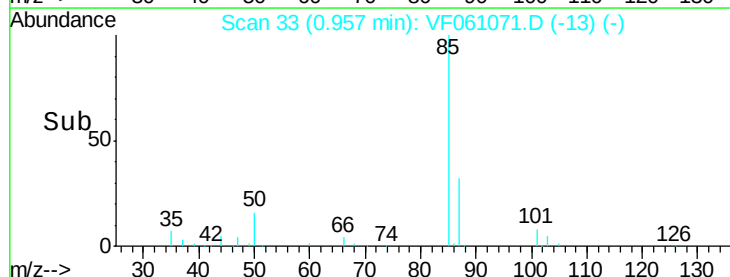
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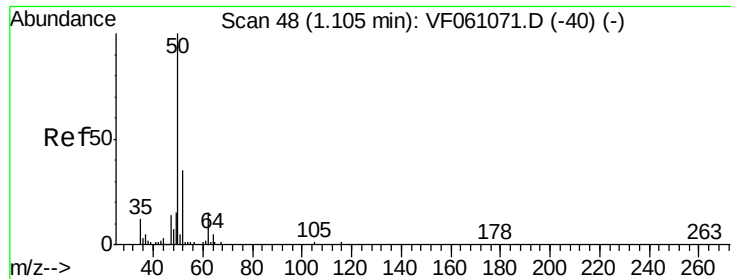
20000

10000

0

Time-->





#3

Chloromethane

Concen: 60.748 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 125150

Ion Ratio Lower Upper

50 100

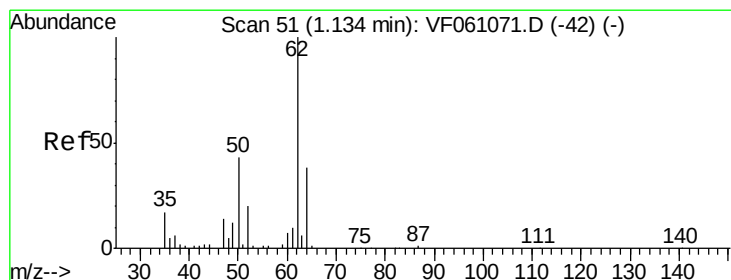
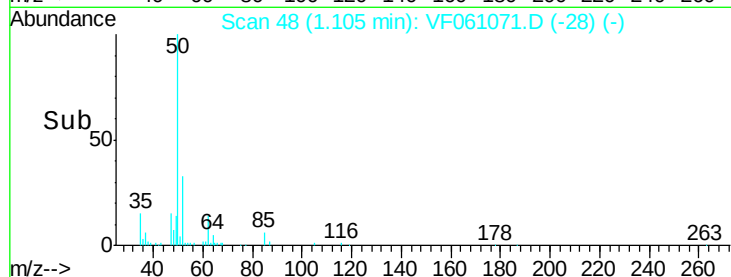
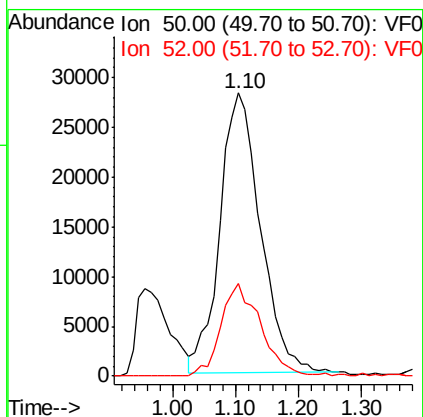
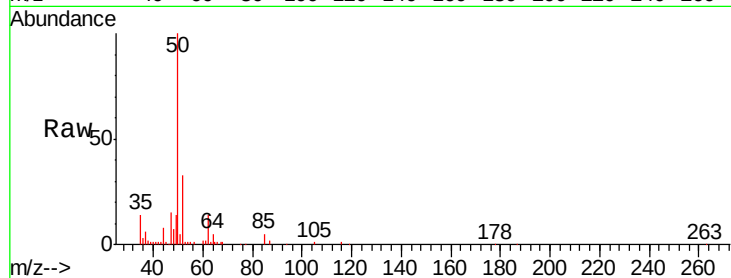
52 32.9 26.3 39.5

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#4

Vinyl Chloride

Concen: 62.777 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061071.D

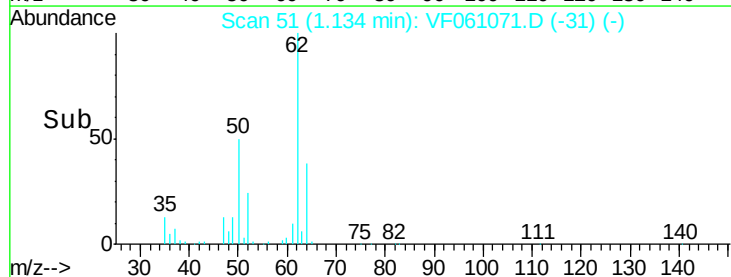
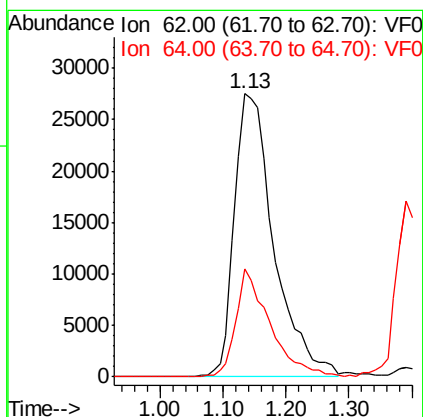
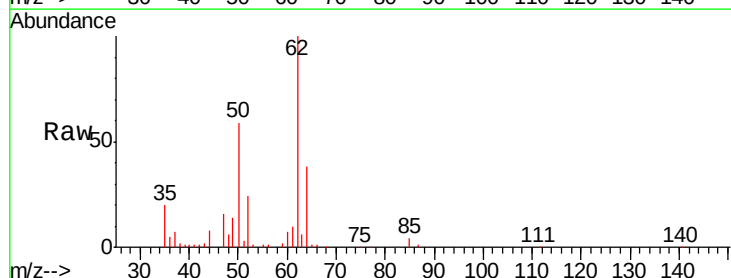
Acq: 18 Dec 2018 19:51

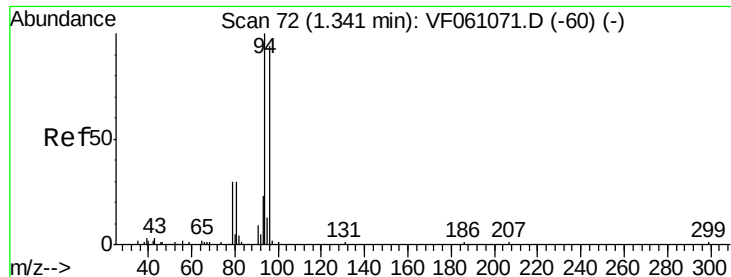
Tgt Ion: 62 Resp: 119698

Ion Ratio Lower Upper

62 100

64 38.0 30.4 45.6





#5

Bromomethane

Concen: 62.699 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 83120

Ion Ratio Lower Upper

94 100

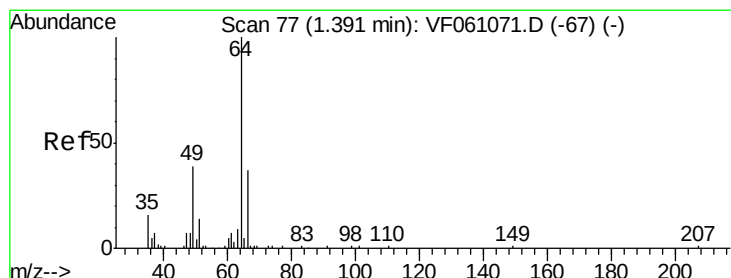
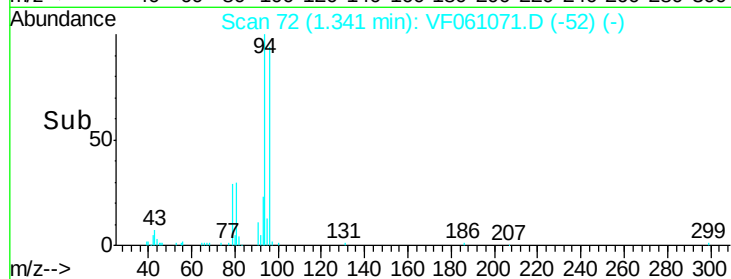
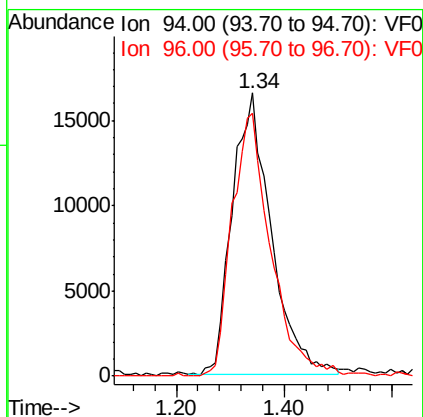
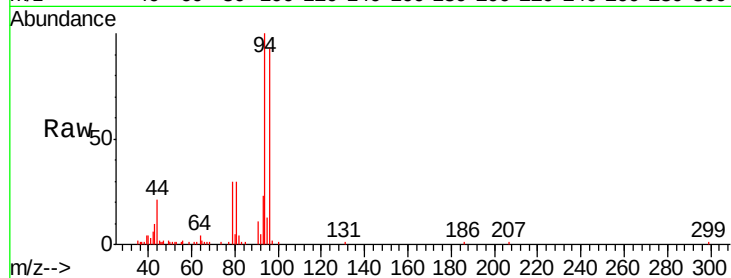
96 93.0 74.4 111.6

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12/20/2018 10:28:53 AM



#6

Chloroethane

Concen: 65.748 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061071.D

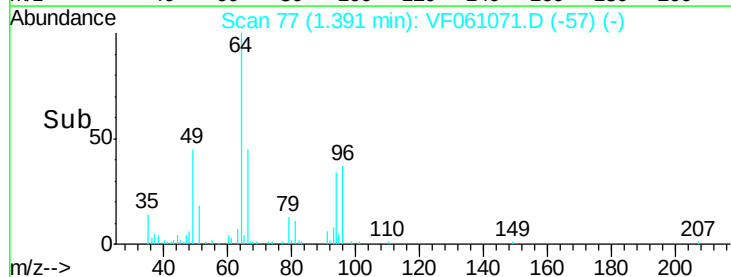
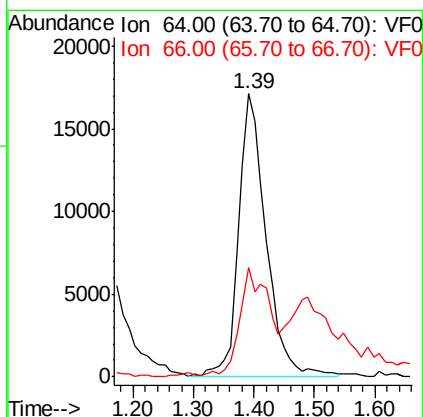
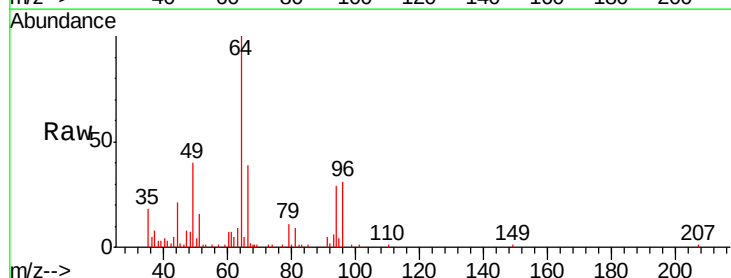
Acq: 18 Dec 2018 19:51

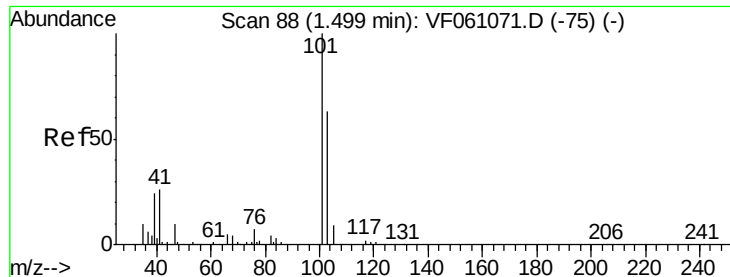
Tgt Ion: 64 Resp: 54037

Ion Ratio Lower Upper

64 100

66 38.6 30.9 46.3





#7

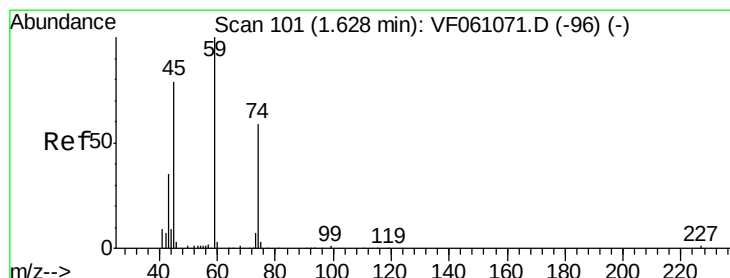
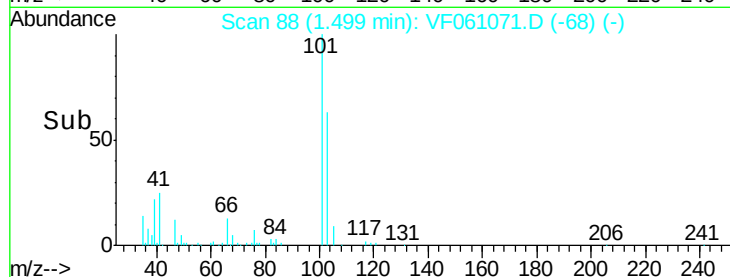
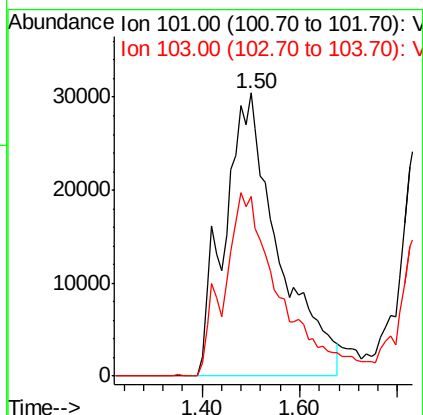
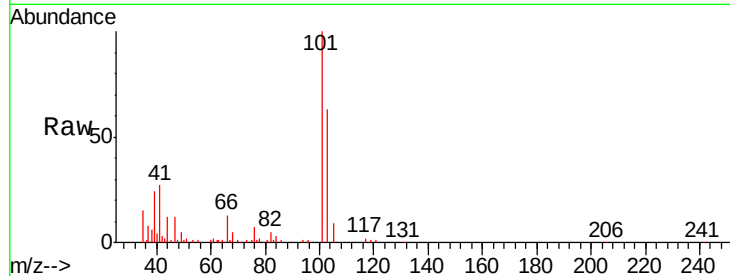
Trichlorofluoromethane
Concen: 59.293 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 101 Resp: 234392
Ion Ratio Lower Upper
101 100
103 63.4 50.7 76.1

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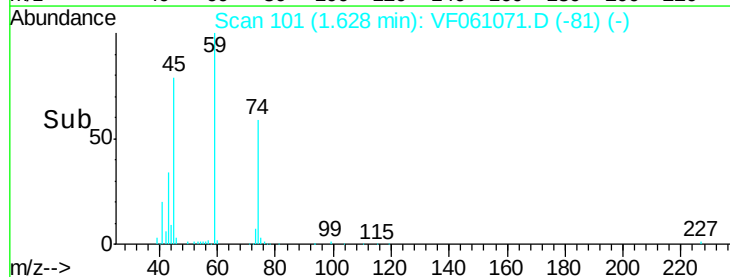
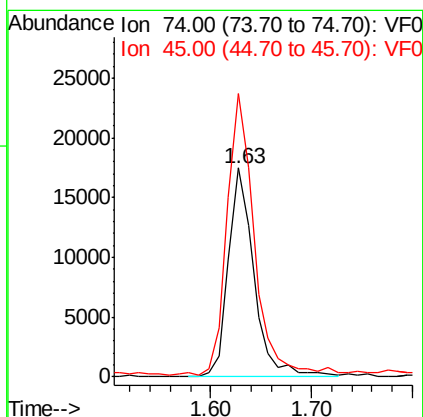
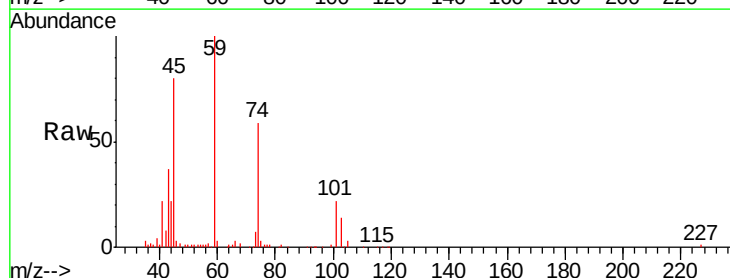
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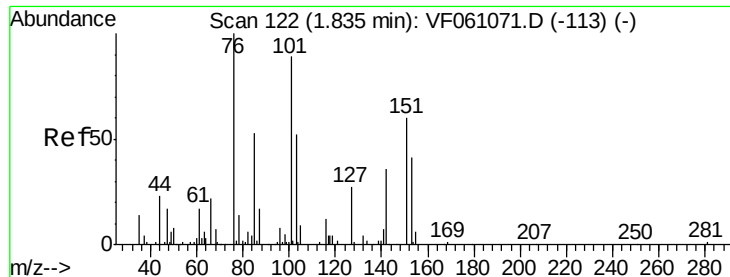


#8

Diethyl Ether
Concen: 54.795 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 74 Resp: 31005
Ion Ratio Lower Upper
74 100
45 135.6 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.008 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

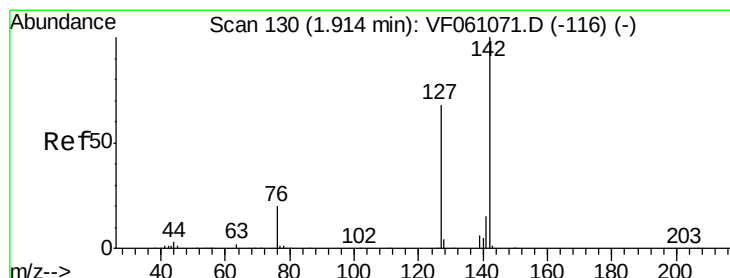
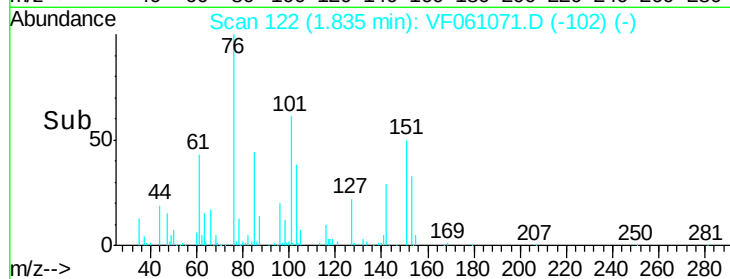
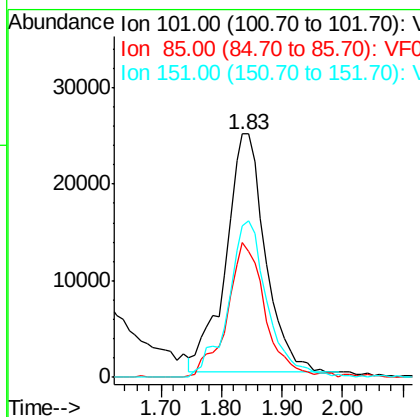
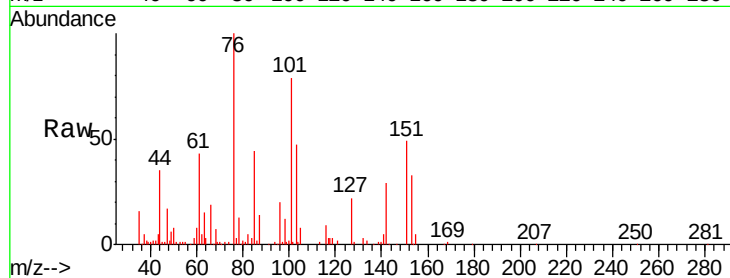
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	111793
Ion Ratio	Lower	Upper	
101	100		
85	55.6	44.5	66.7
151	62.4	49.9	74.9

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#10

Methyl Iodide

Concen: 58.008 ug/l m

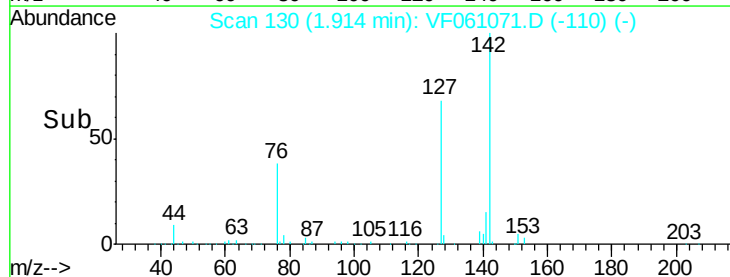
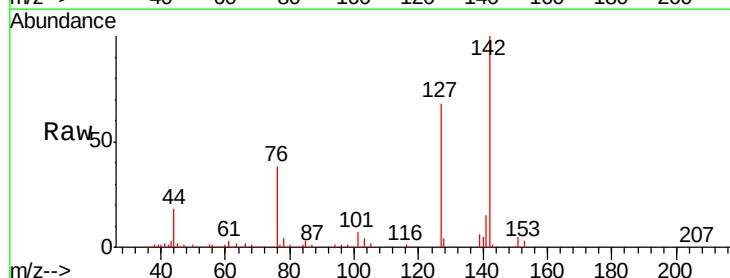
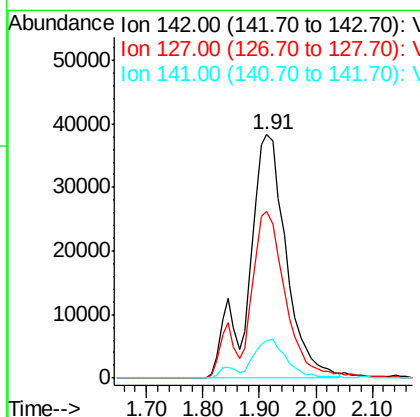
RT: 1.91 min Scan# 130

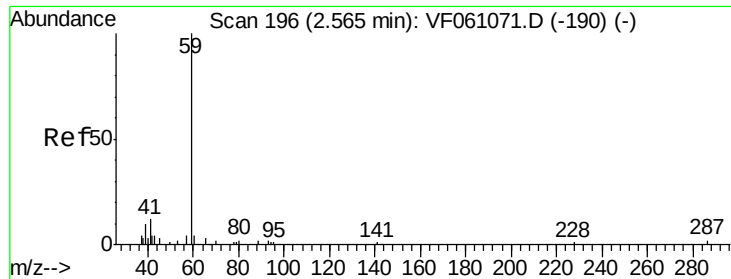
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	142	Resp:	177384
Ion Ratio	Lower	Upper	
142	100		
127	68.4	54.7	82.1
141	15.2	12.2	18.2





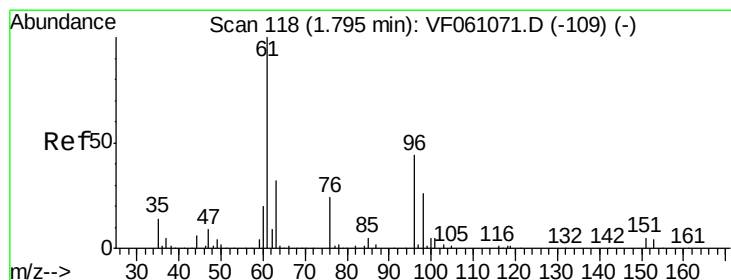
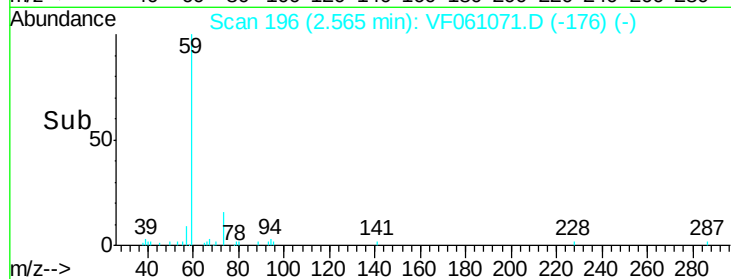
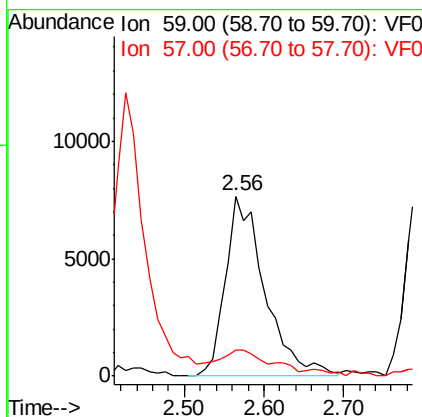
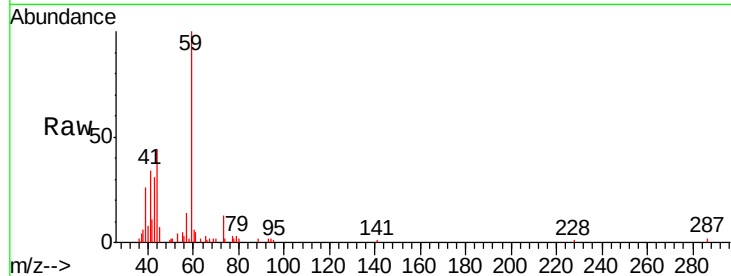
#11
Tert butyl alcohol
Concen: 274.912 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	14.4	11.5	17.3

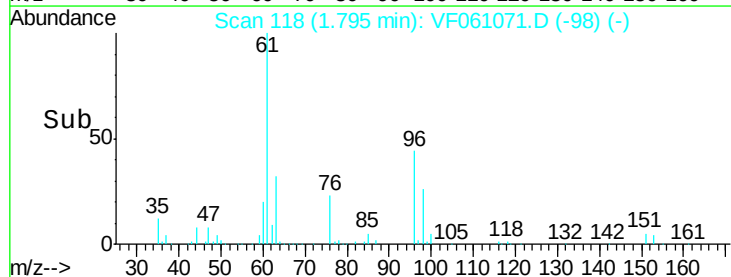
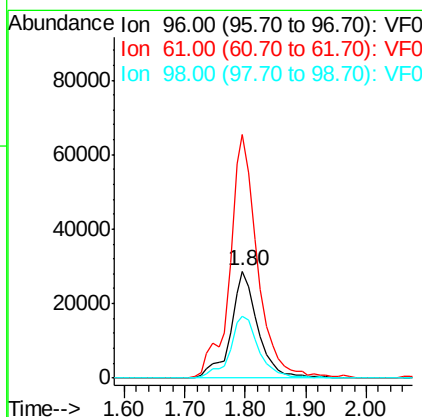
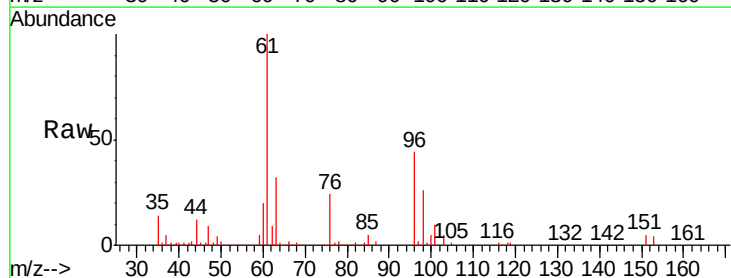
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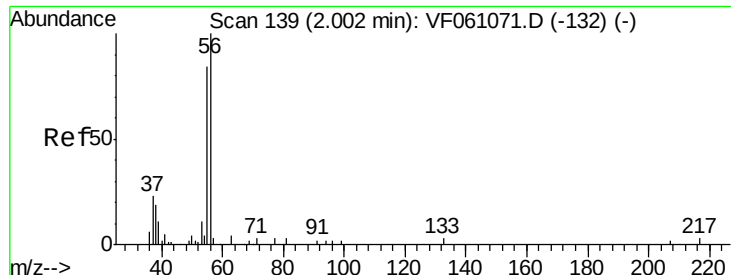
apatel
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#12
1,1-Dichloroethene
Concen: 55.359 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	227.5	182.0	273.0
98	58.1	46.5	69.7





#13

Acrolein

Concen: 190.756 ug/l m

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 15988

Ion Ratio Lower Upper

56 100

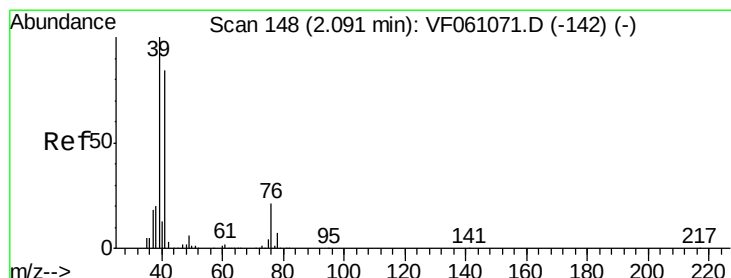
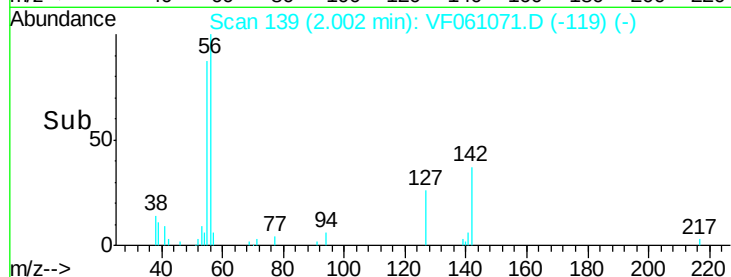
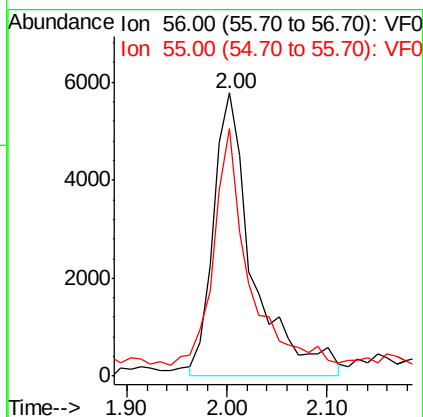
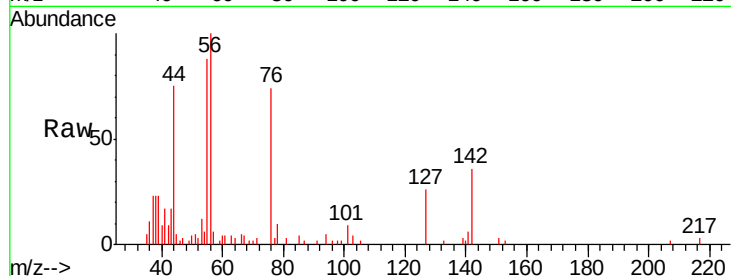
55 87.7 70.2 105.2

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#14

Allyl chloride

Concen: 45.588 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

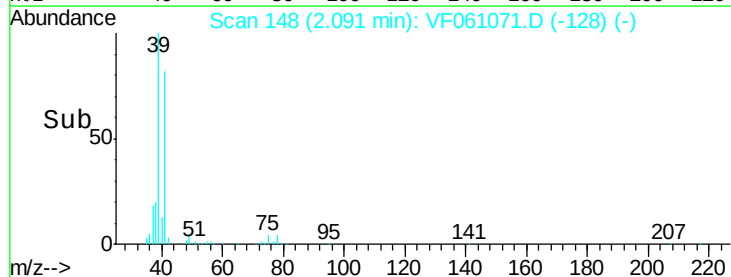
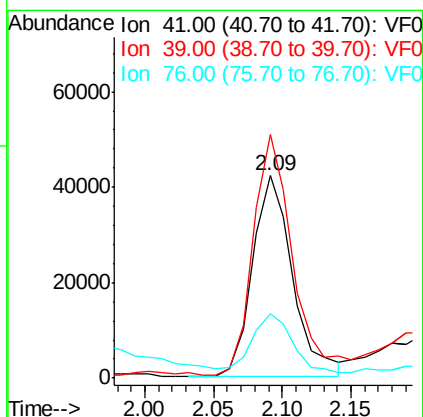
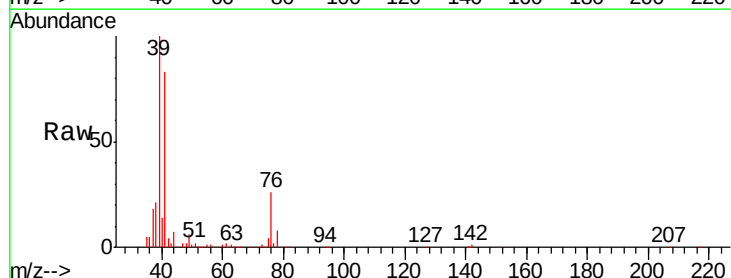
Tgt Ion: 41 Resp: 85278

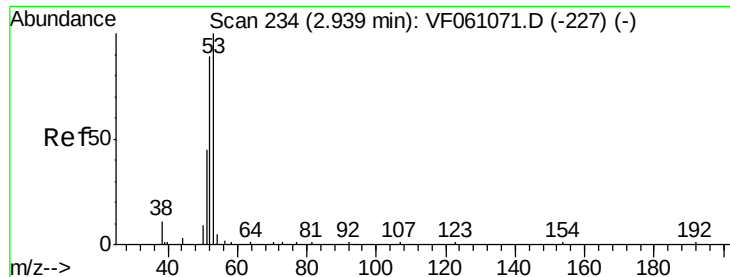
Ion Ratio Lower Upper

41 100

39 120.5 96.4 144.6

76 31.7 25.4 38.0





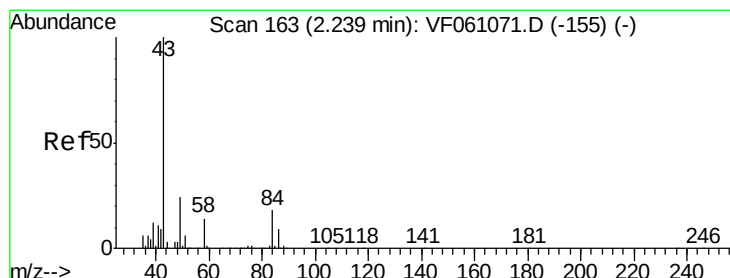
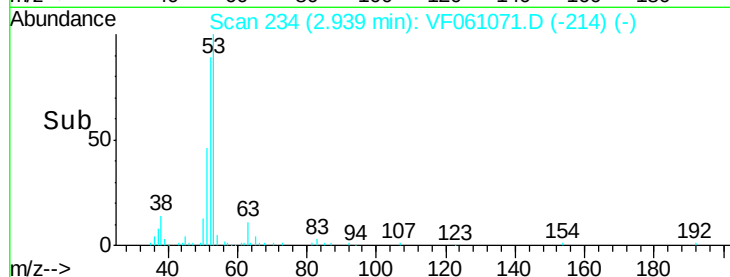
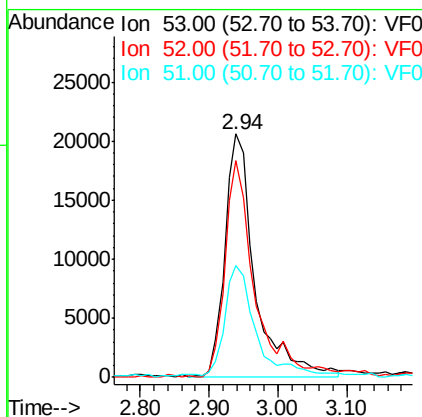
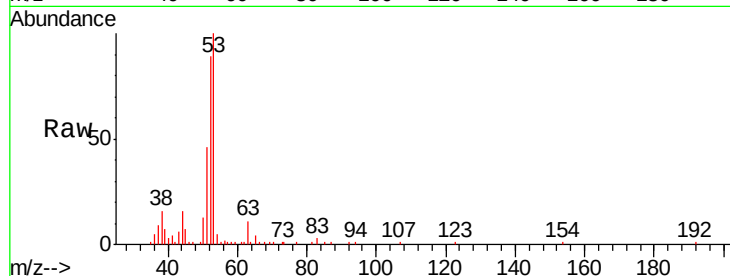
#15
 Acrylonitrile
 Concen: 285.365 ug/l
 RT: 2.94 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	53	Resp:	63048
Ion	Ratio	Lower	Upper
53	100		
52	89.1	71.3	106.9
51	46.0	36.8	55.2

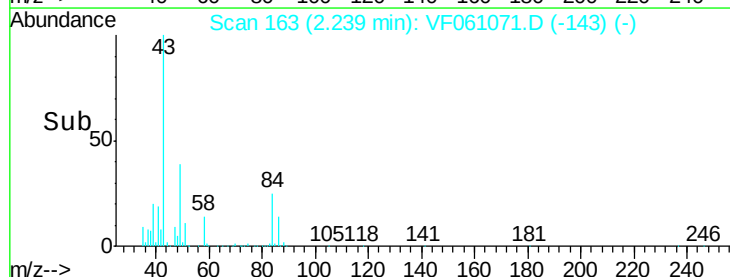
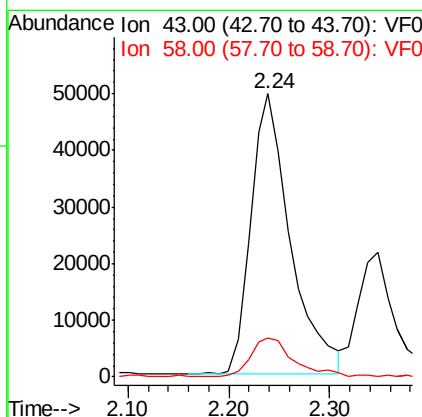
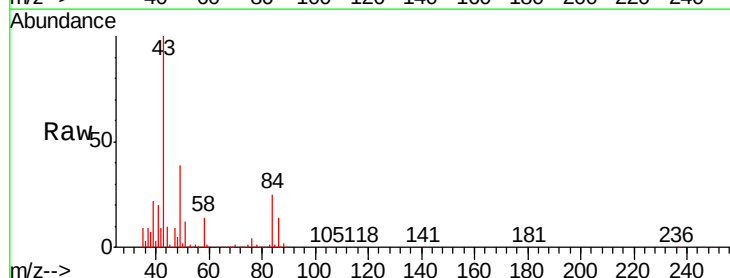
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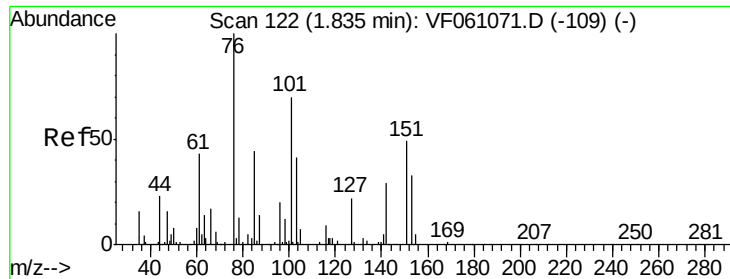
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#16
 Acetone
 Concen: 302.167 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:	43	Resp:	134933
Ion	Ratio	Lower	Upper
43	100		
58	13.9	11.1	16.7





#17

Carbon Disulfide

Concen: 59.514 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 76 Resp: 261789

Ion Ratio Lower Upper

76 100

78 12.8 10.2 15.4

Instrument :

MSVOA_F

ClientSampleId :

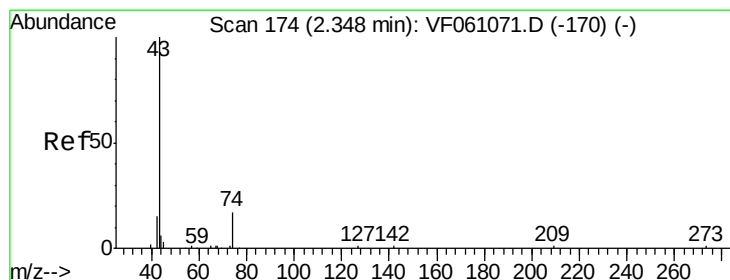
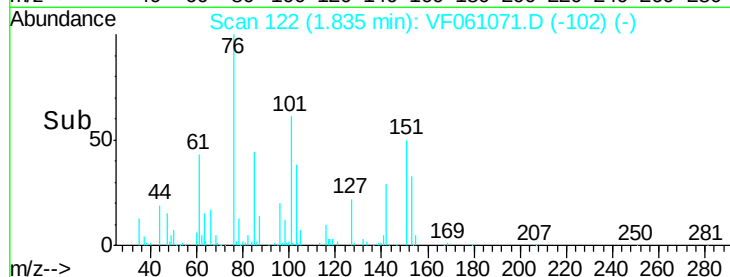
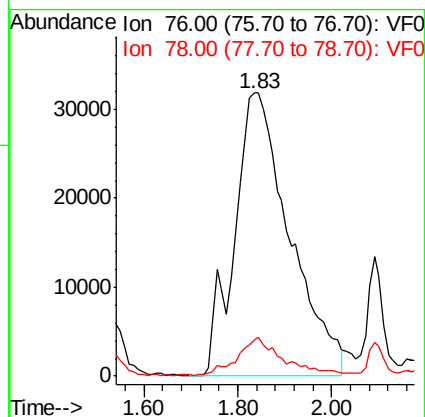
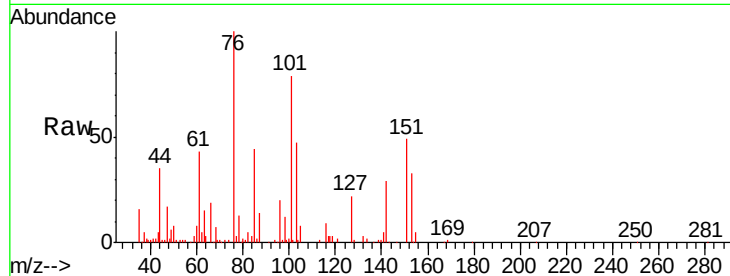
VSTDICCC050

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#18

Methyl Acetate

Concen: 57.072 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF061071.D

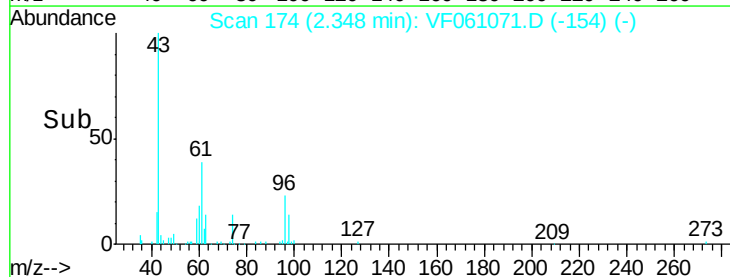
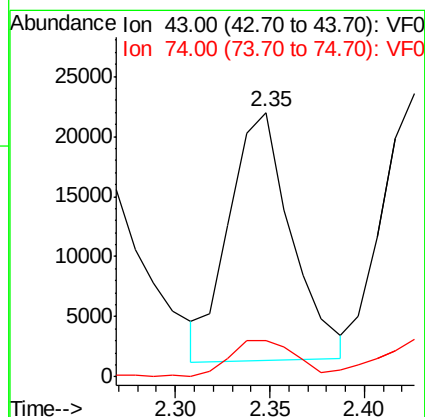
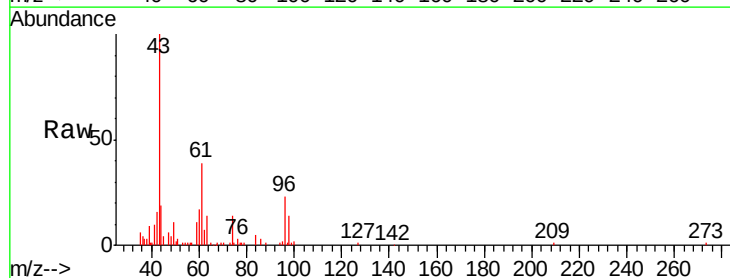
Acq: 18 Dec 2018 19:51

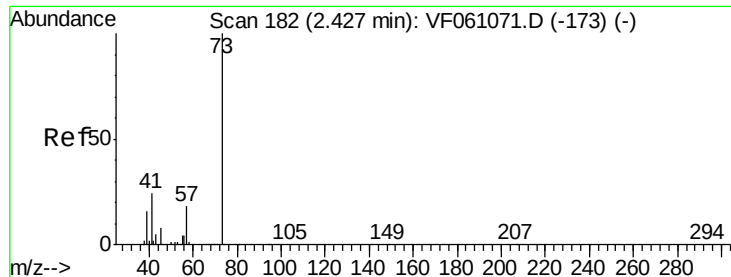
Tgt Ion: 43 Resp: 47194

Ion Ratio Lower Upper

43 100

74 13.8 11.0 16.6





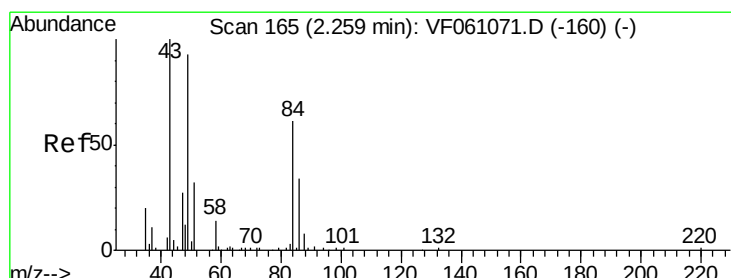
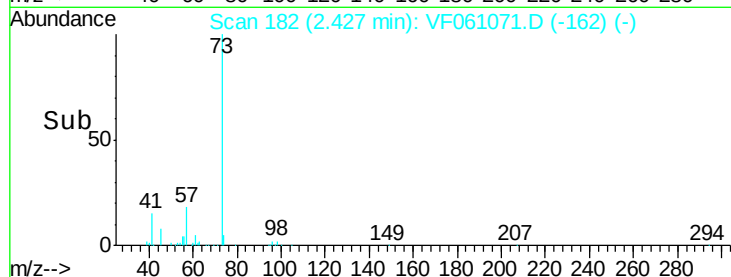
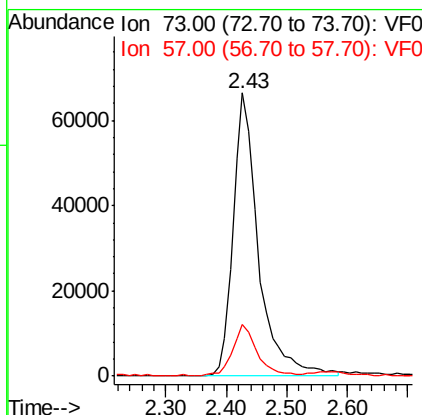
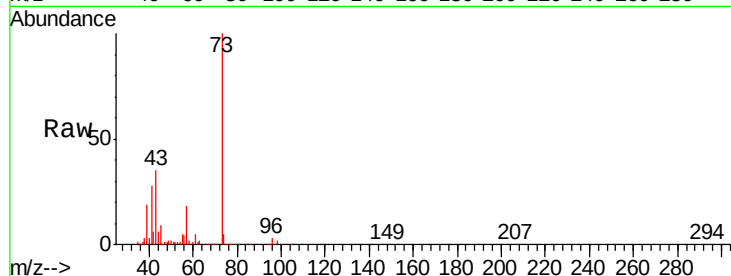
#19
Methyl tert-butyl Ether
Concen: 53.938 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.1	14.5	21.7

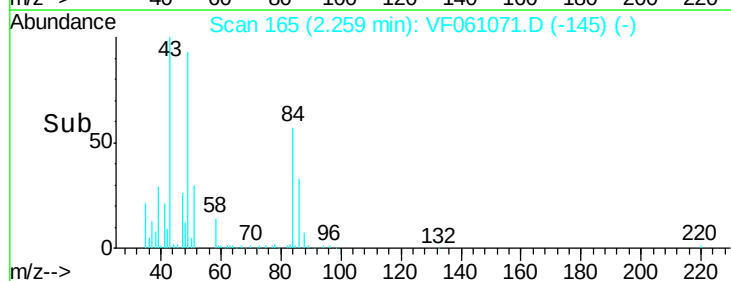
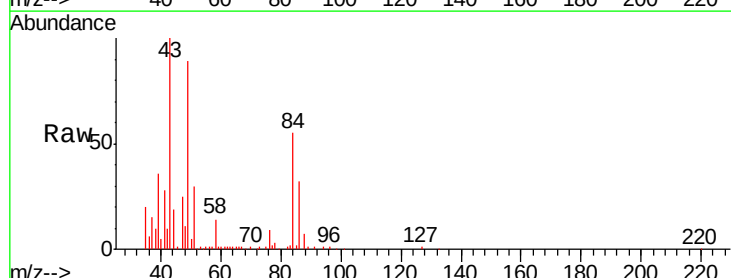
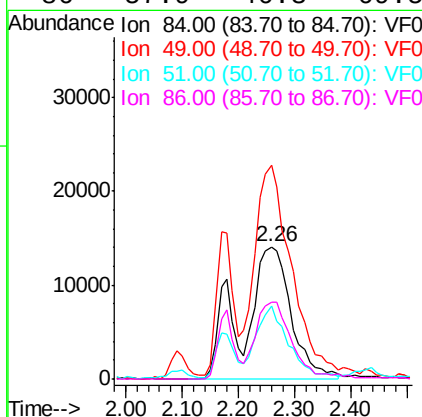
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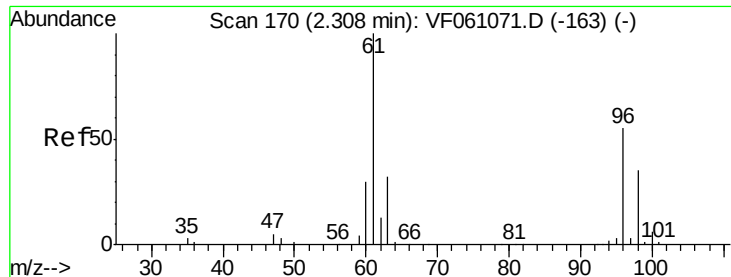
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#20
Methylene Chloride
Concen: 54.962 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.8	129.4	194.2
51	55.0	44.0	66.0
86	57.9	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 56.079 ug/l m

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 86745

Ion Ratio Lower Upper

96 100

61 182.5 146.0 219.0

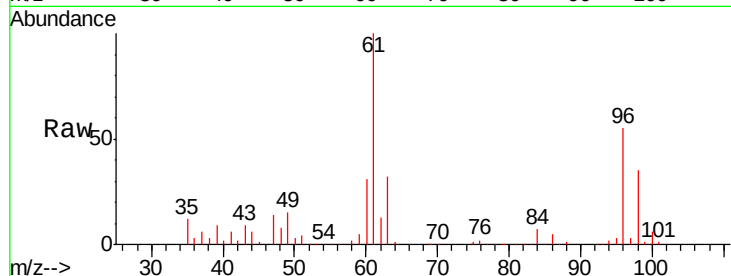
98 64.5 51.6 77.4

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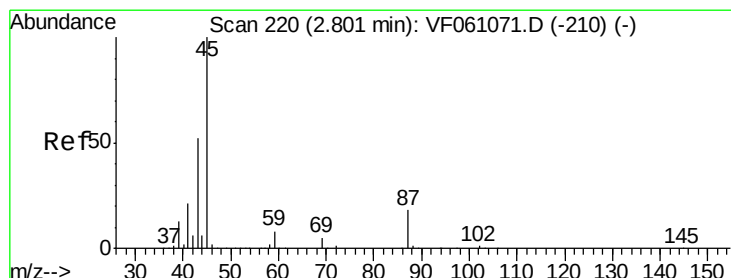
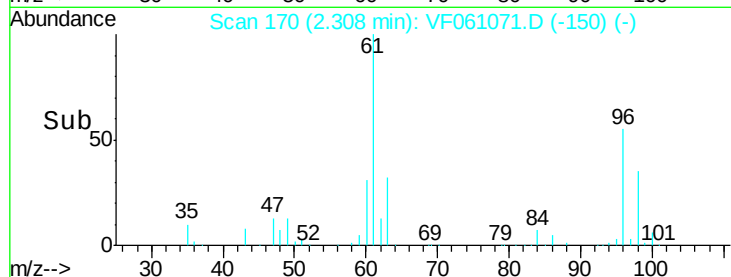
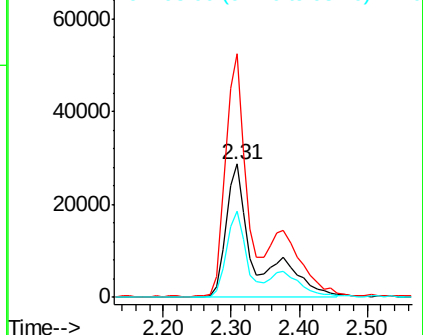
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Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 55.340 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 45 Resp: 299842

Ion Ratio Lower Upper

45 100

43 52.7 42.2 63.2

87 18.3 14.6 22.0

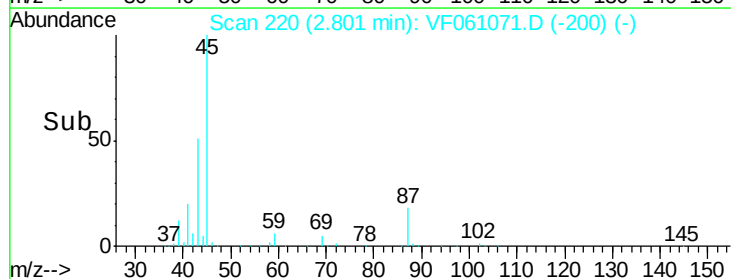
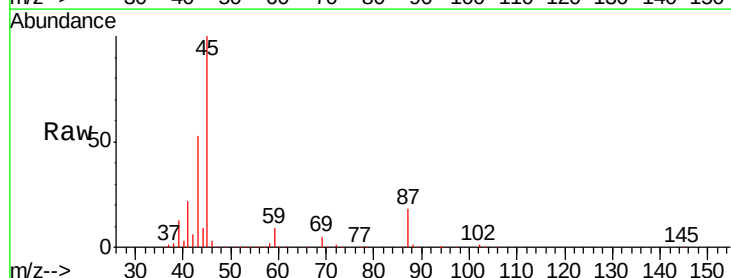
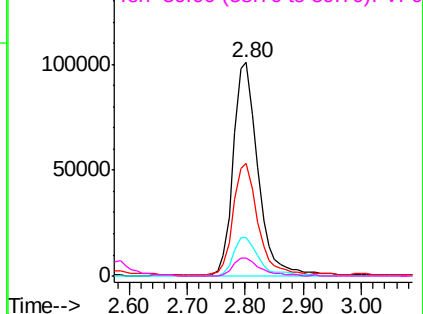
59 8.7 7.0 10.4

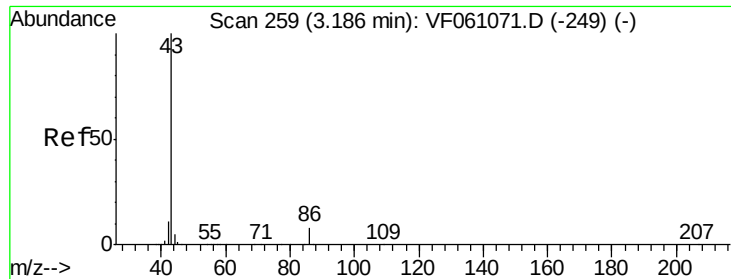
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 283.569 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 705158

Ion Ratio Lower Upper

43 100

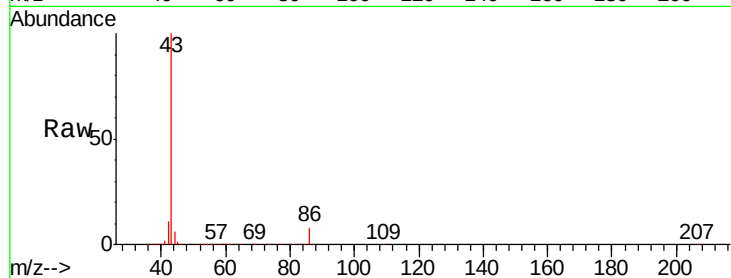
86 7.9 6.3 9.5

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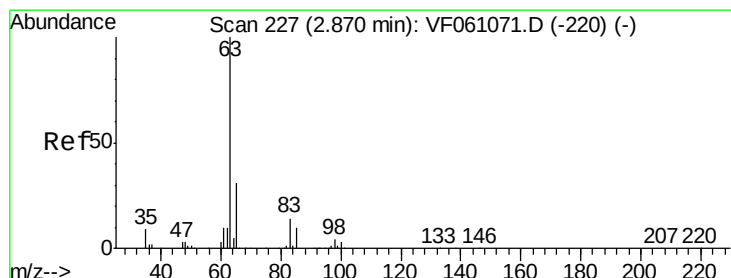
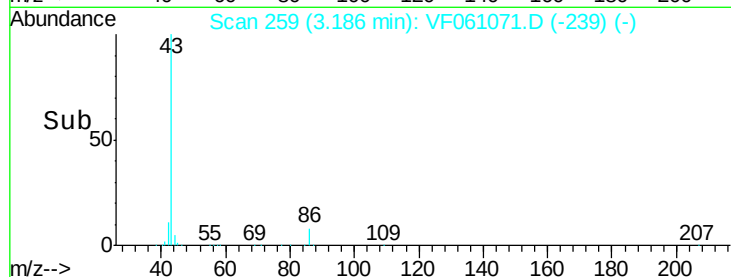
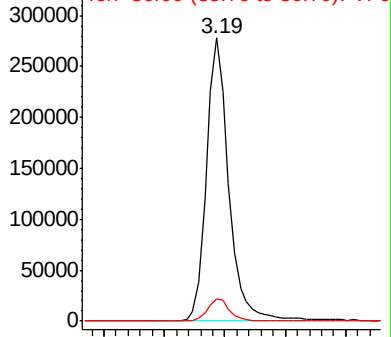
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 56.979 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

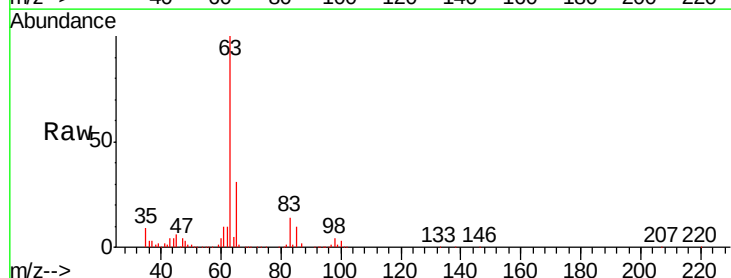
Tgt Ion: 63 Resp: 183410

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

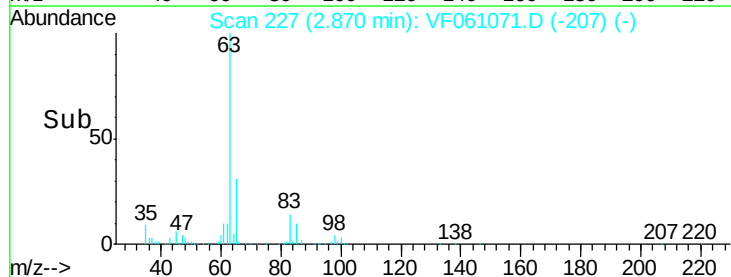
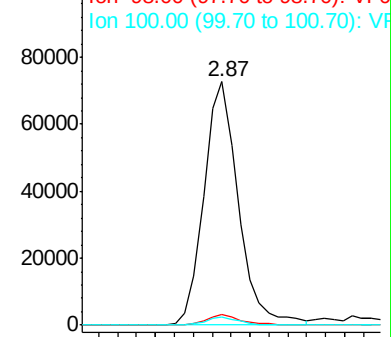
100 3.4 1.7 5.1

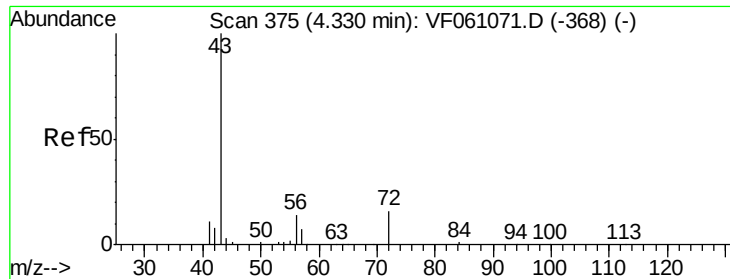


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 273.913 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 206908

Ion Ratio Lower Upper

43 100

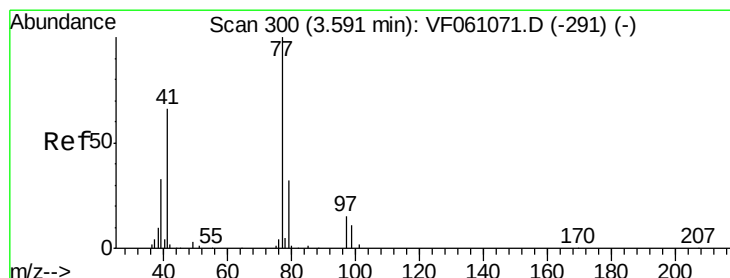
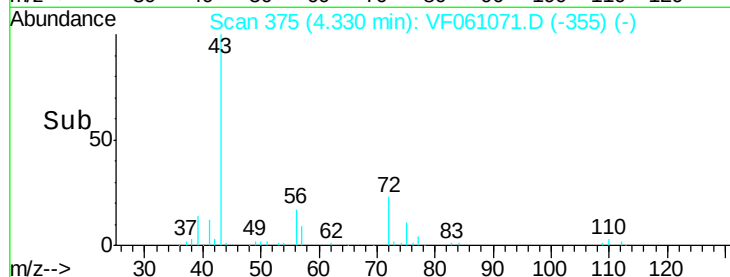
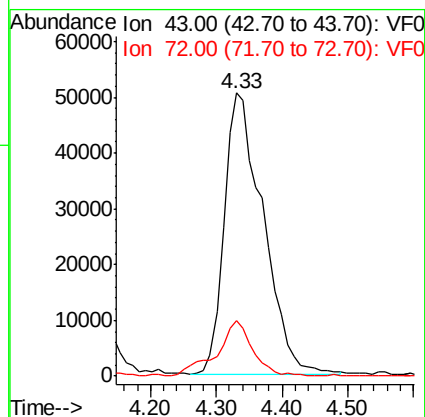
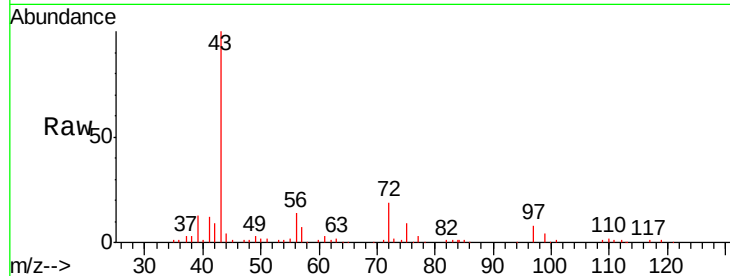
72 19.5 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 50.125 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061071.D

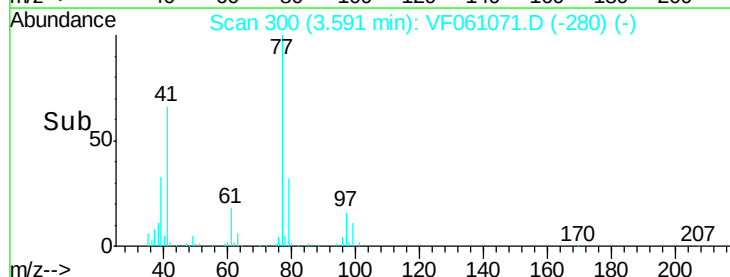
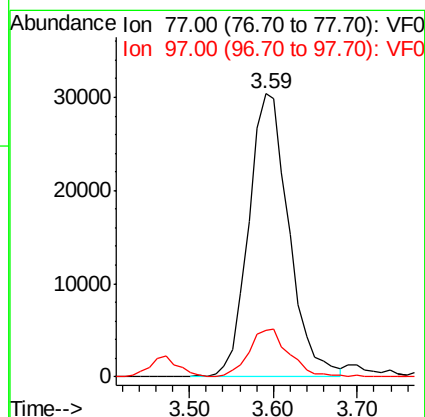
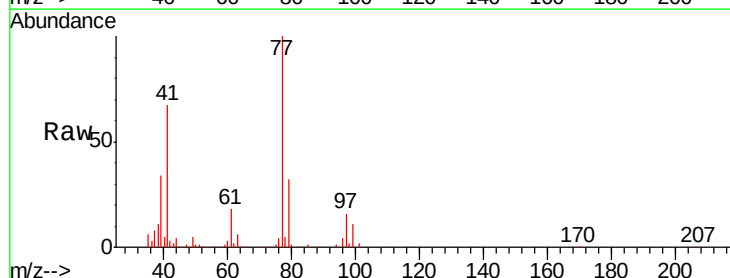
Acq: 18 Dec 2018 19:51

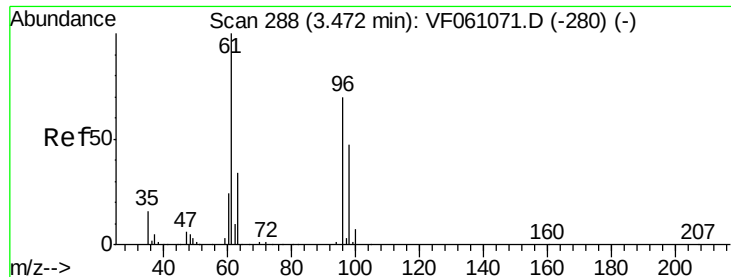
Tgt Ion: 77 Resp: 102054

Ion Ratio Lower Upper

77 100

97 16.3 8.2 24.4





#27

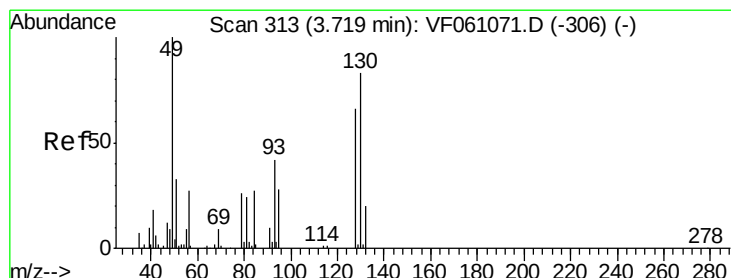
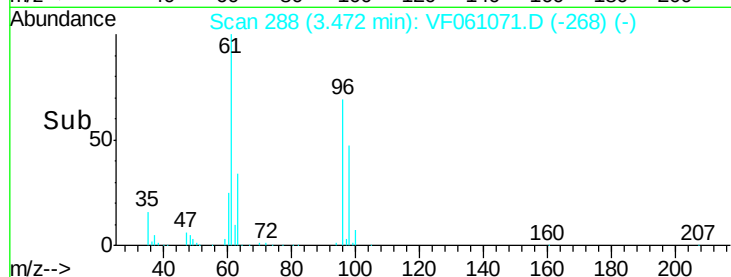
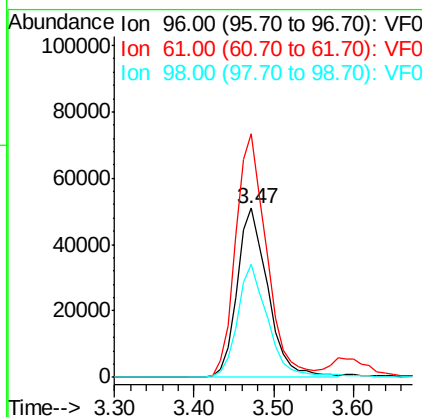
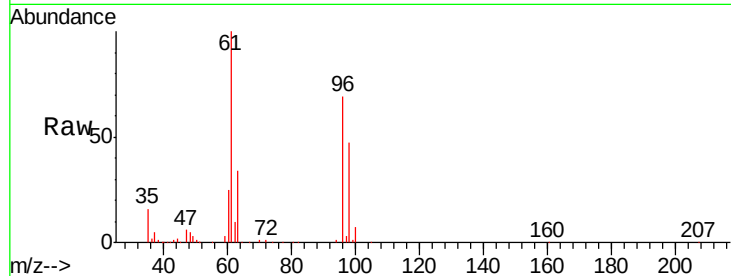
cis-1,2-Dichloroethene
Concen: 54.619 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	143.9	0.0	287.8
98	67.1	0.0	134.2

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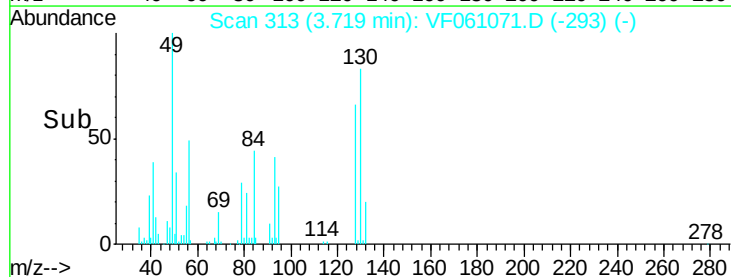
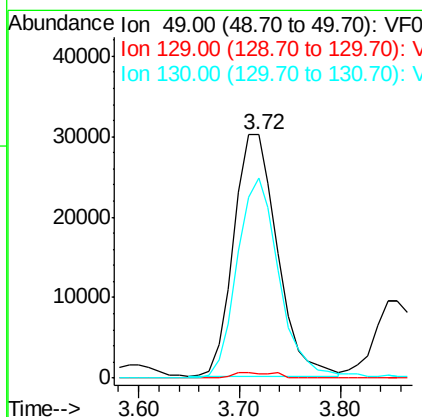
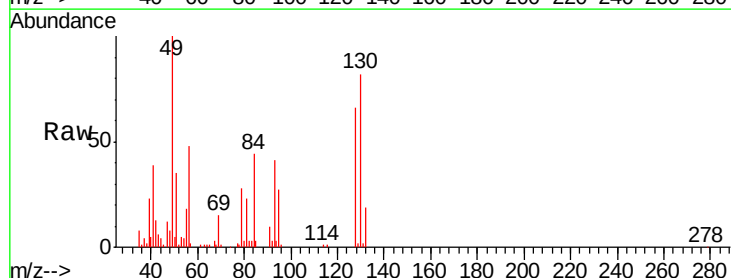
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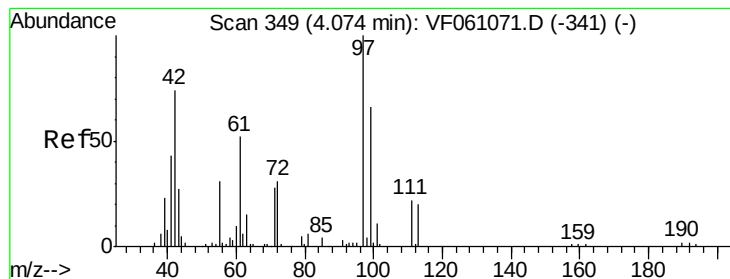


#28

Bromochloromethane
Concen: 57.337 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
49	100		
129	1.8	0.0	3.6
130	82.2	65.8	98.6





#29

Tetrahydrofuran

Concen: 256.248 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 81632

Ion Ratio Lower Upper

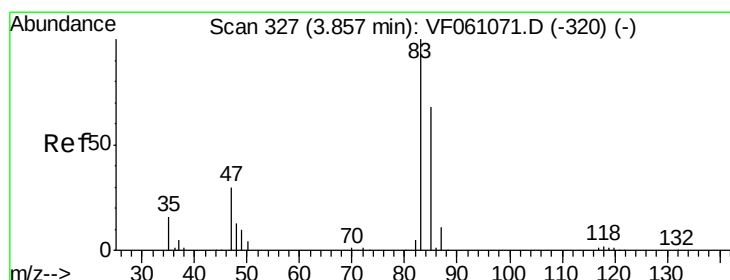
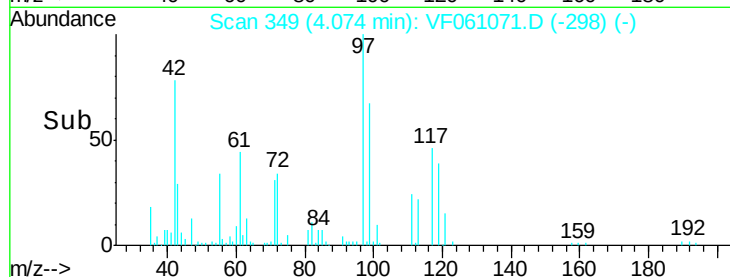
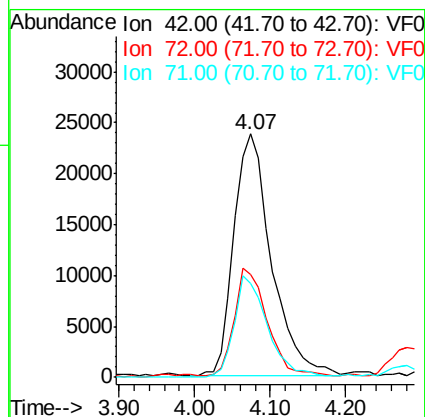
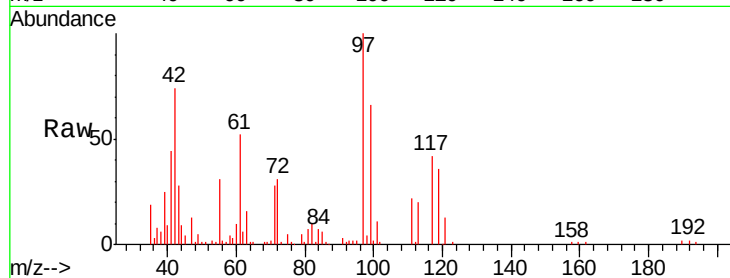
42 100

72 39.8 31.8 47.8

71 37.1 29.7 44.5

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#30

Chloroform

Concen: 54.611 ug/l

RT: 3.86 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF061071.D

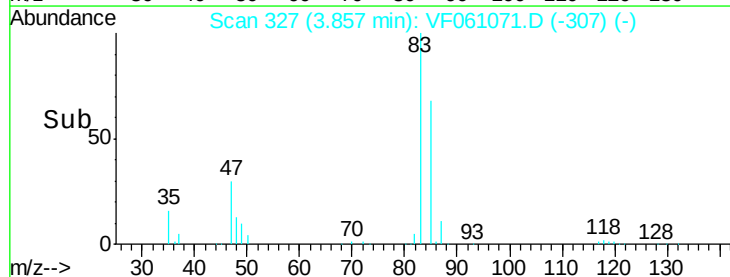
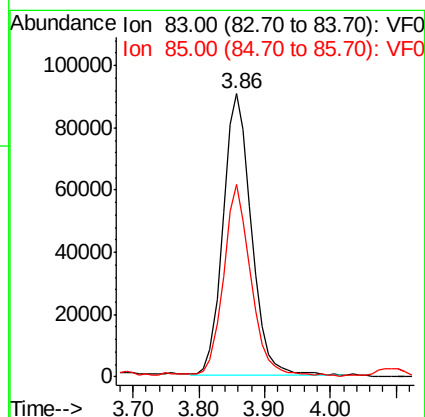
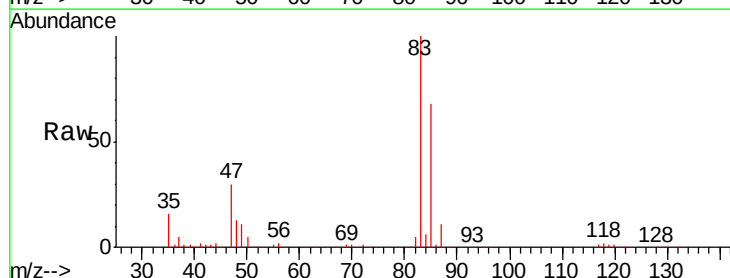
Acq: 18 Dec 2018 19:51

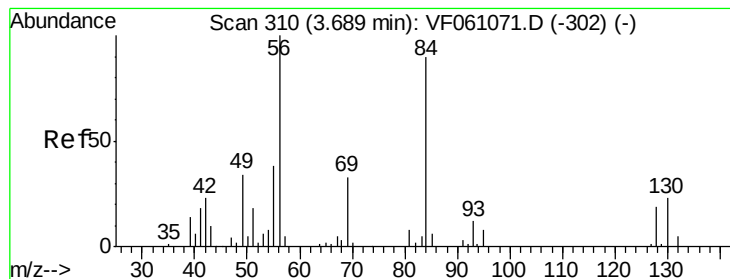
Tgt Ion: 83 Resp: 271415

Ion Ratio Lower Upper

83 100

85 68.1 54.5 81.7





#31

Cyclohexane

Concen: 53.498 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 180615

Ion Ratio Lower Upper

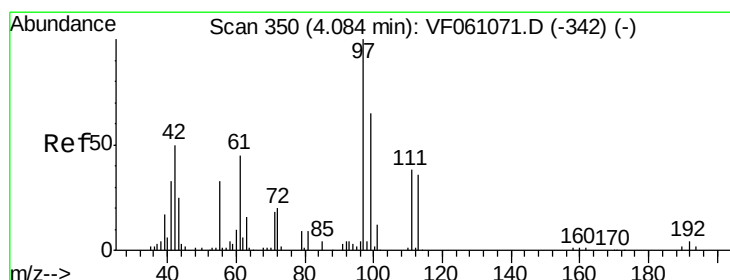
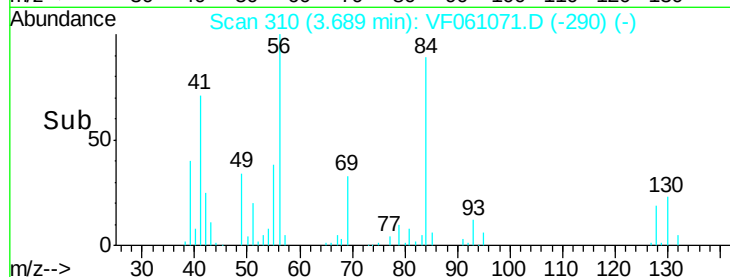
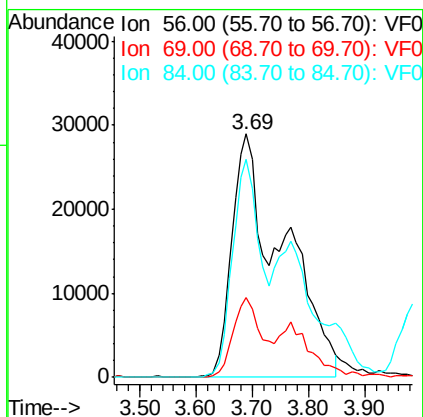
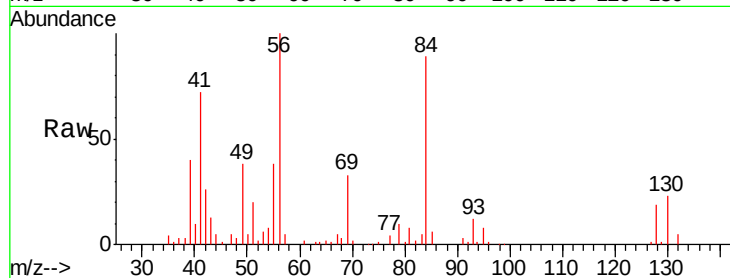
56 100

69 32.5 26.0 39.0

84 89.3 71.4 107.2

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#32

1,1,1-Trichloroethane

Concen: 47.179 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

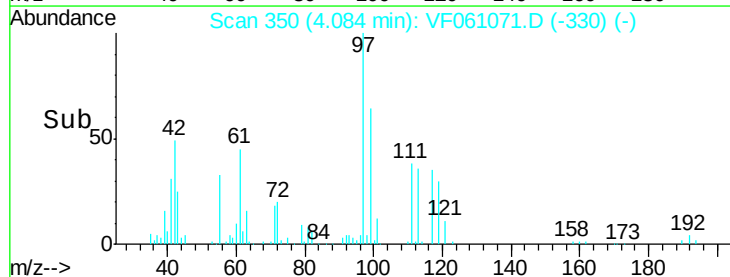
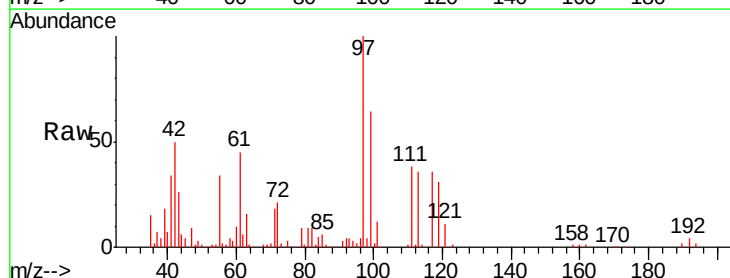
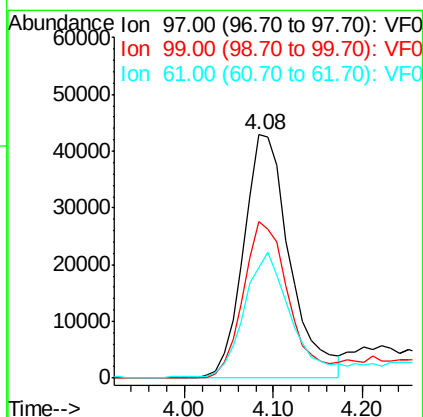
Tgt Ion: 97 Resp: 155207

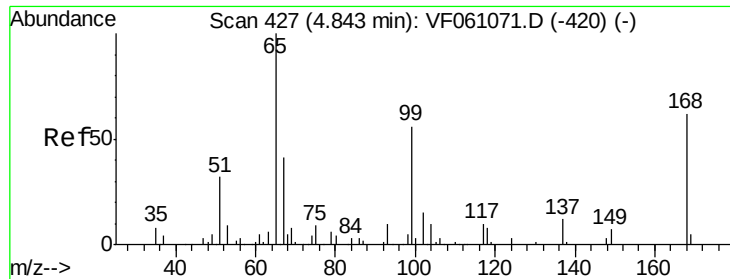
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 45.2 36.2 54.2





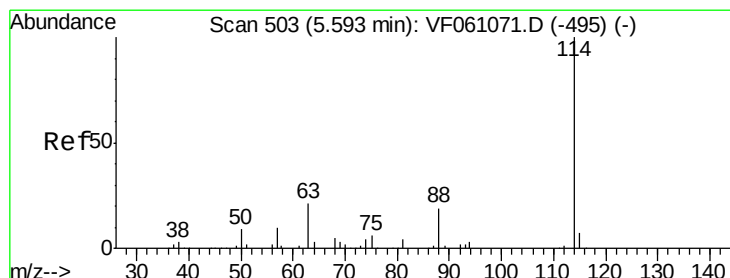
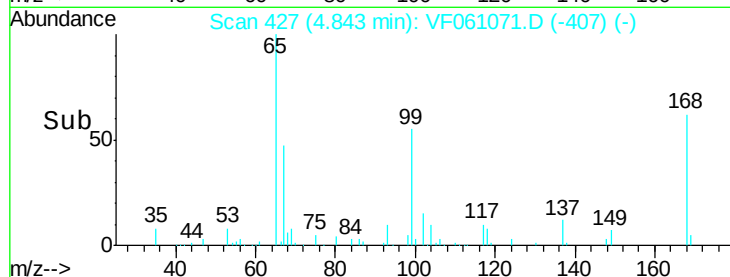
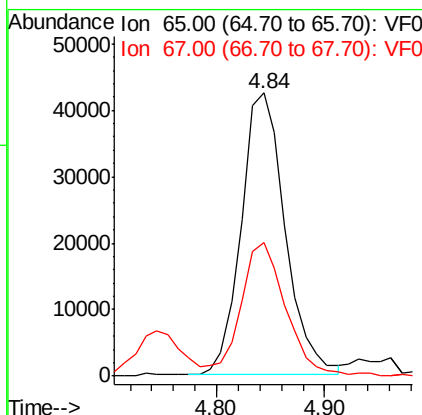
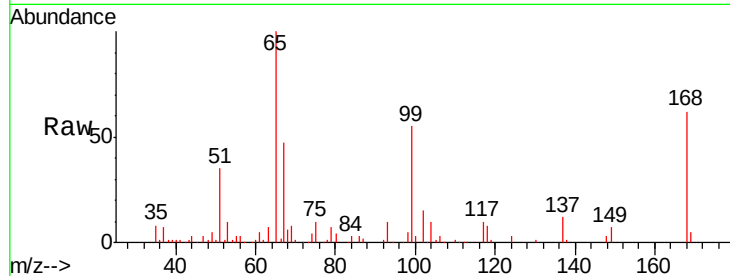
#33
 1,2-Dichloroethane-d4
 Concen: 51.836 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 120682
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 94.6

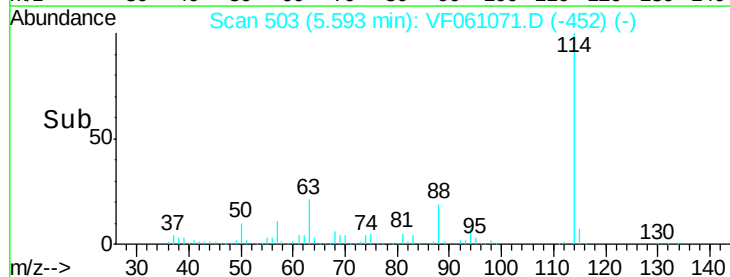
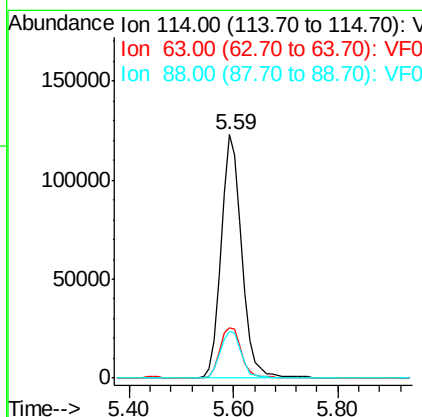
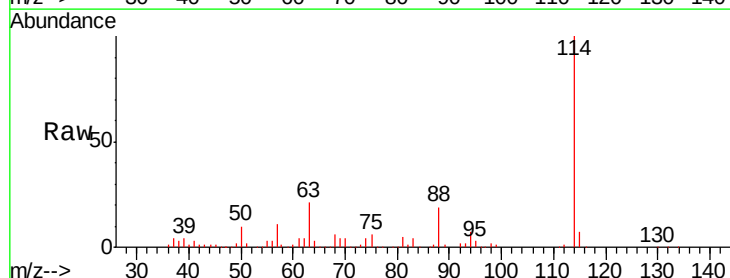
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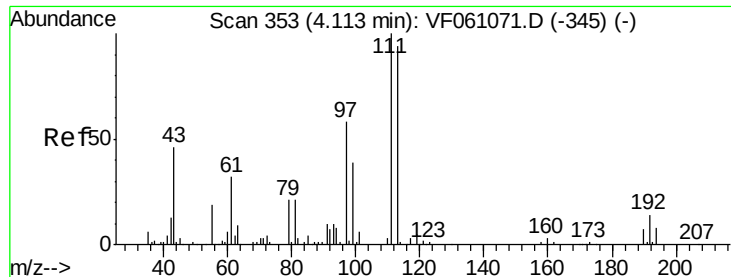
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 114 Resp: 337564
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.6
 88 19.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 47.678 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

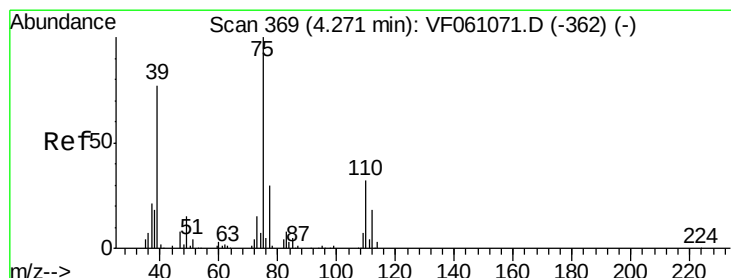
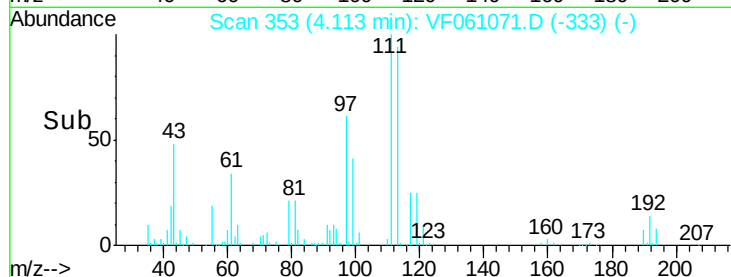
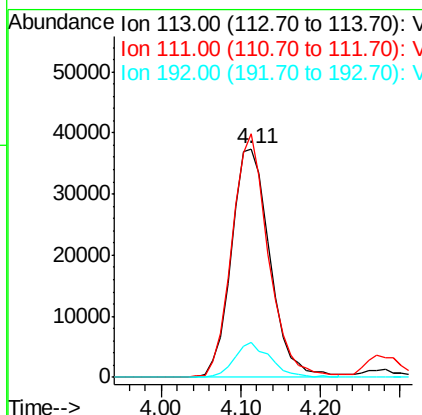
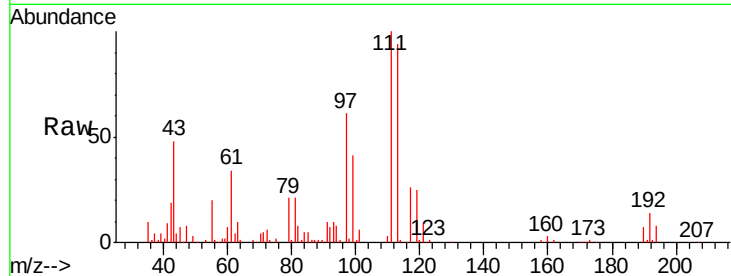
ClientSampleId :

VSTDICCC050

Tgt Ion:	113	Resp:	125326
Ion Ratio	Lower	Upper	
113	100		
111	106.5	85.2	127.8
192	16.0	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 54.277 ug/l

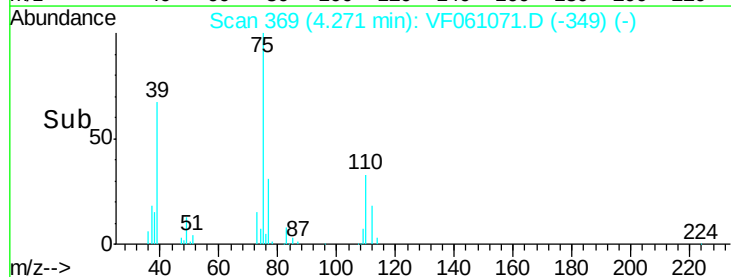
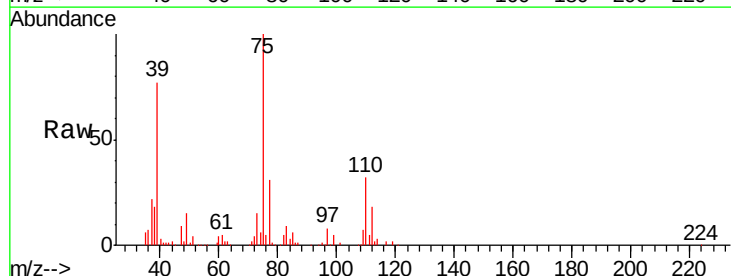
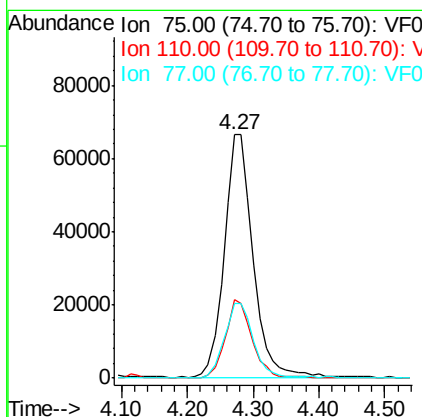
RT: 4.27 min Scan# 369

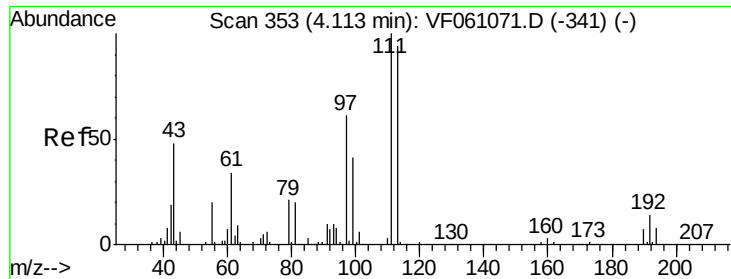
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	75	Resp:	205165
Ion Ratio	Lower	Upper	
75	100		
110	32.1	16.1	48.2
77	30.6	24.5	36.7





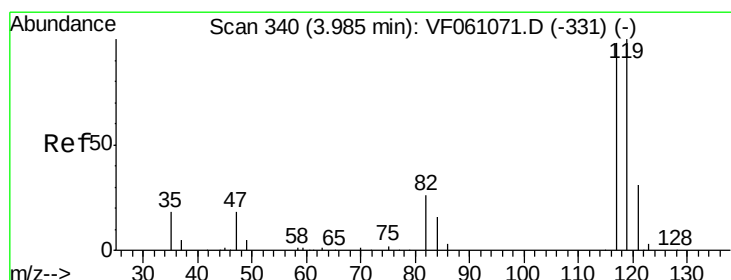
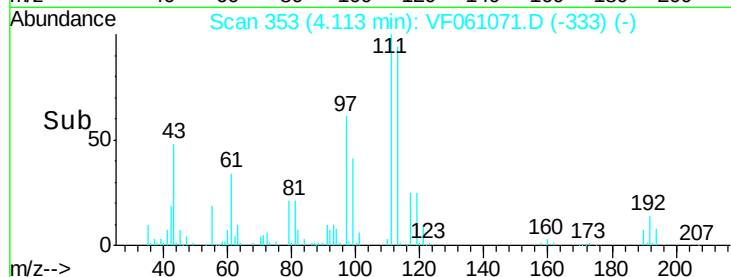
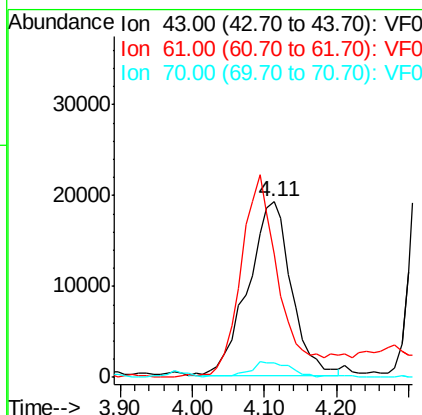
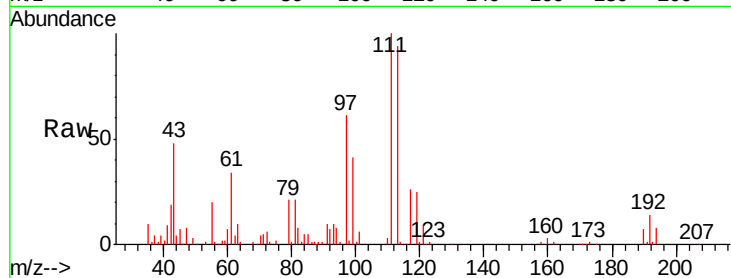
#37
Ethyl Acetate
Concen: 51.870 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	70.7	56.6	84.8
70	7.9	6.3	9.5

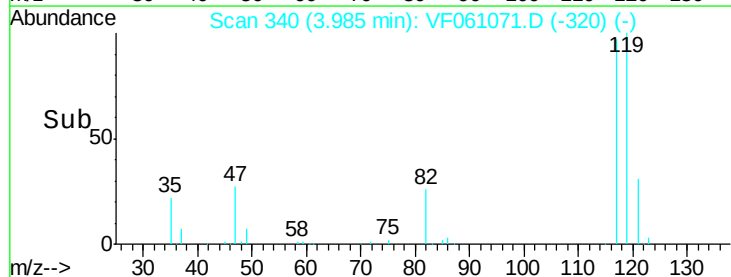
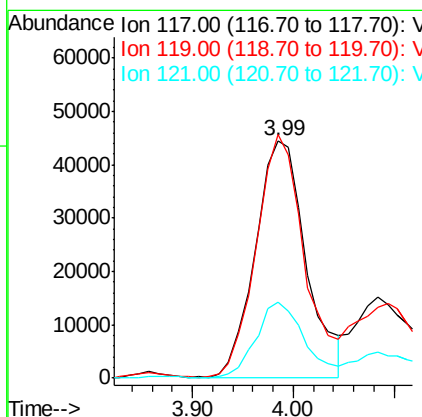
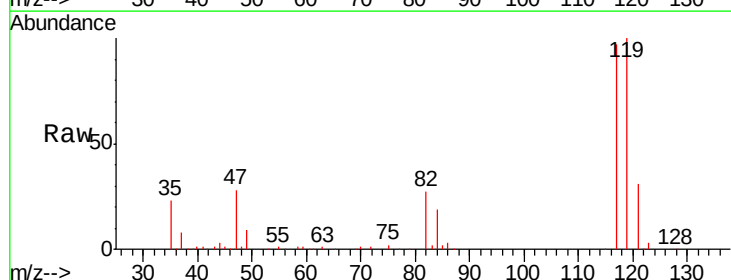
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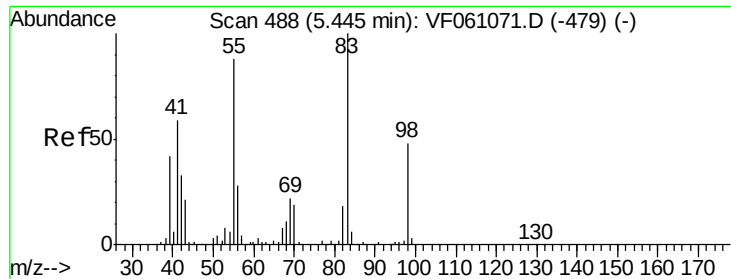
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#38
Carbon Tetrachloride
Concen: 48.488 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.6	82.1	123.1
121	31.9	25.5	38.3





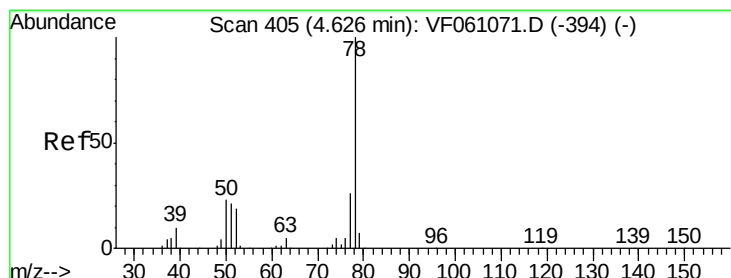
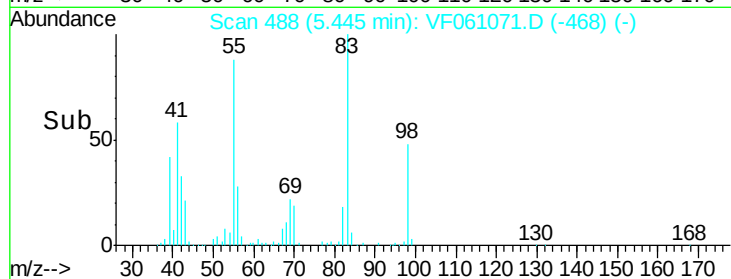
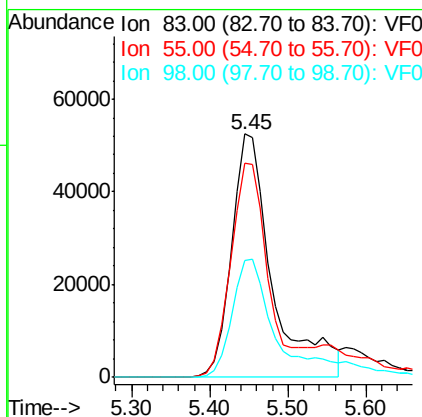
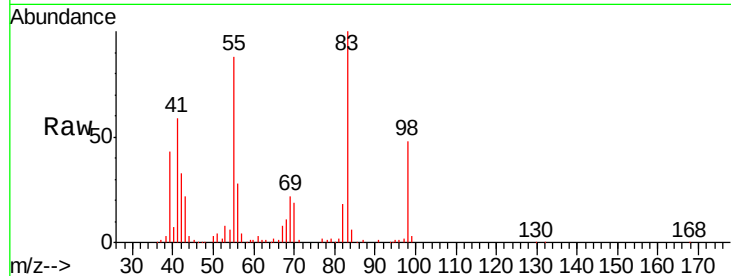
#39
Methylcyclohexane
Concen: 48.908 ug/l m
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.2	70.6	105.8
98	48.1	38.5	57.7

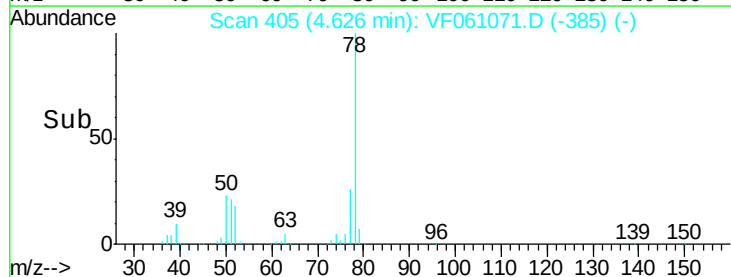
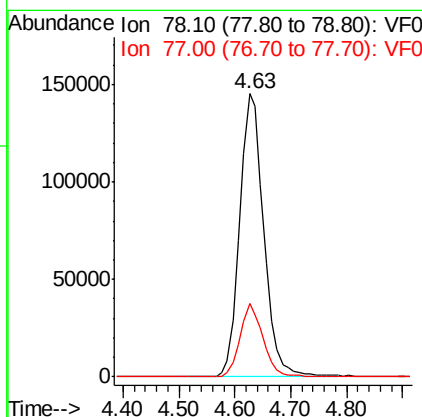
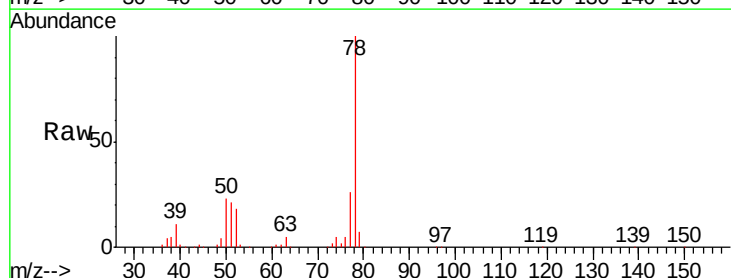
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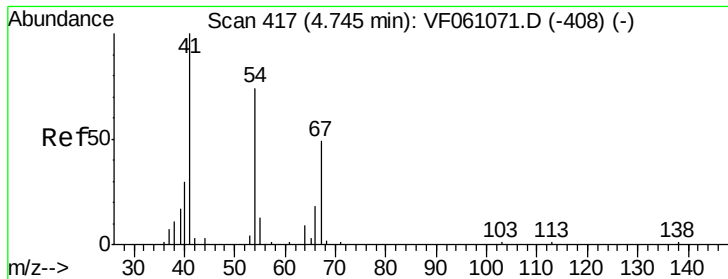
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#40
Benzene
Concen: 52.075 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	20.7	31.1





#41

Methacrylonitrile

Concen: 47.184 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

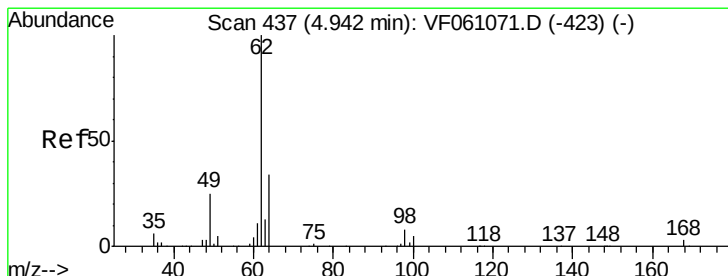
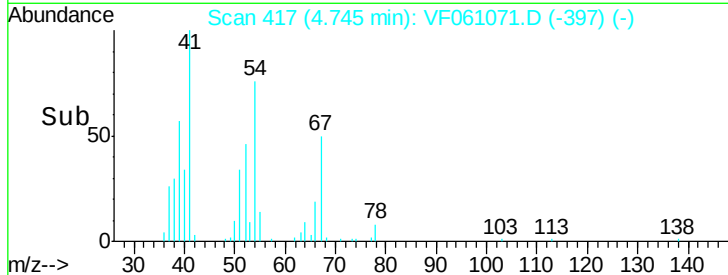
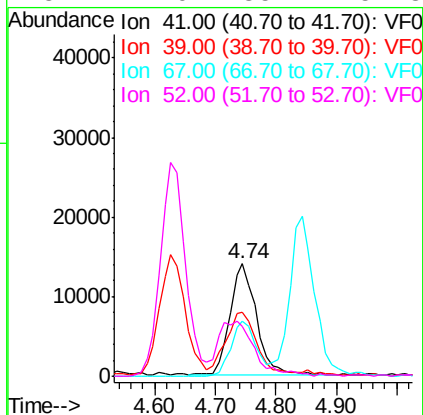
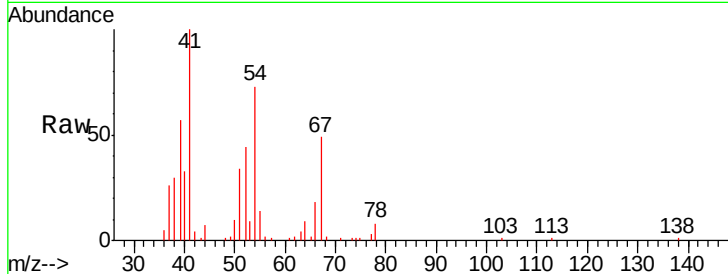
ClientSampleId :

VSTDICCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	57.1	45.7	68.5
67	67	48.6	38.9	58.3
52	52	44.0	35.2	52.8

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#42

1,2-Dichloroethane

Concen: 55.558 ug/l

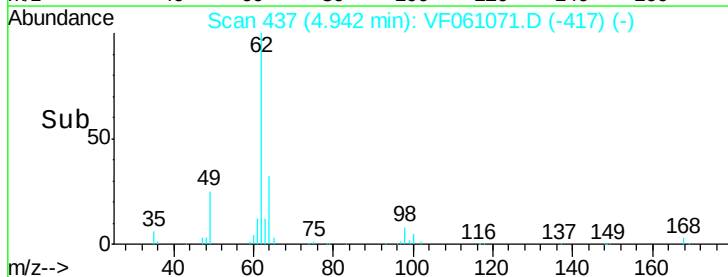
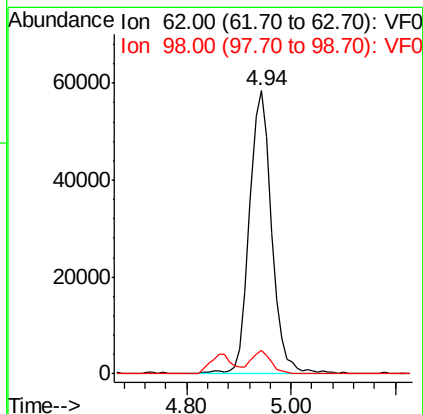
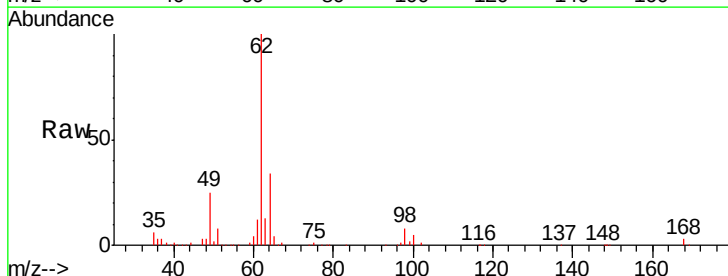
RT: 4.94 min Scan# 437

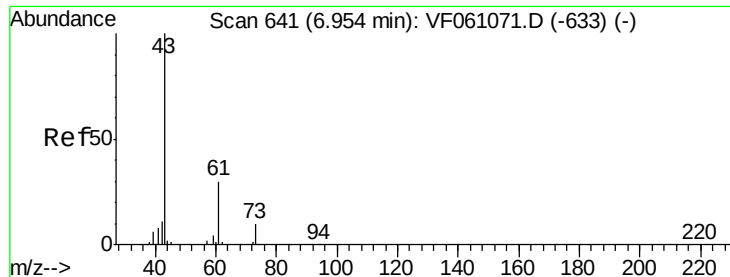
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.3	0.0	16.6





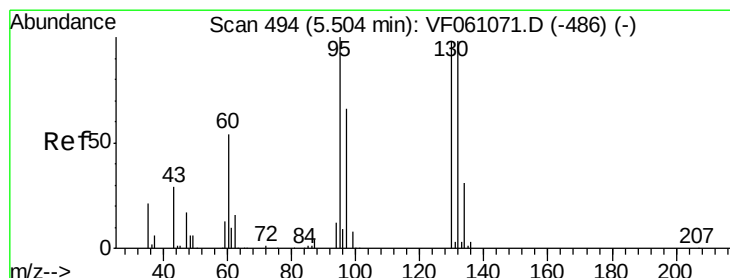
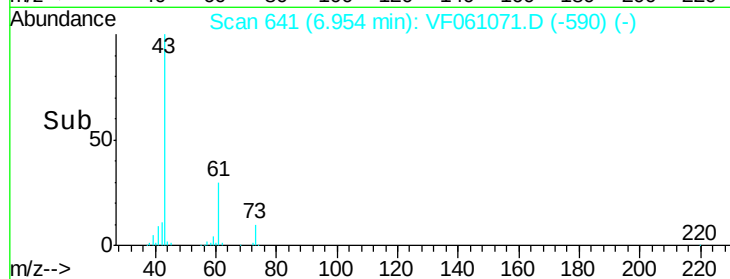
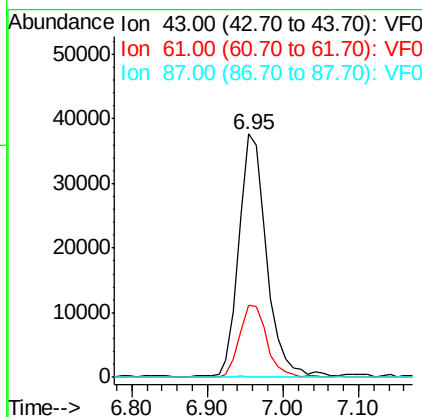
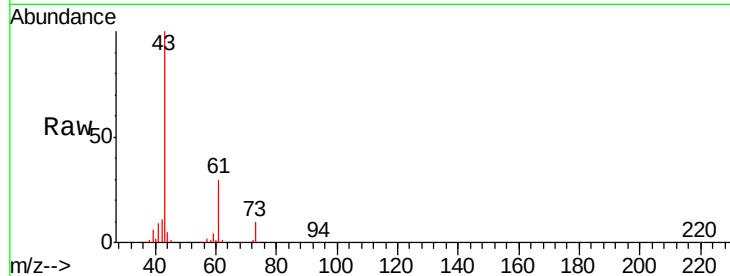
#43
Isopropyl Acetate
Concen: 46.351 ug/l
RT: 6.95 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.8
87	0.0	0.0	0.0

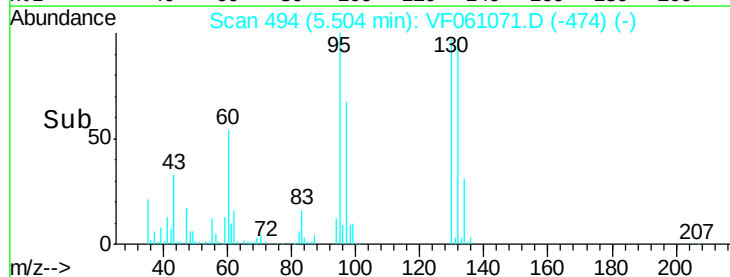
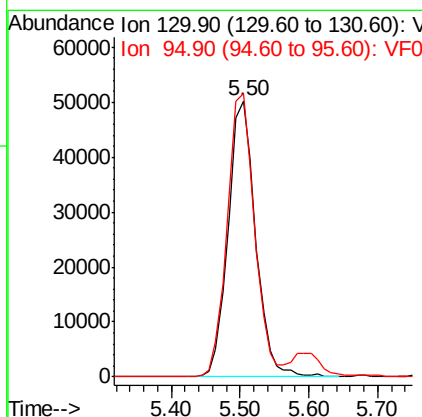
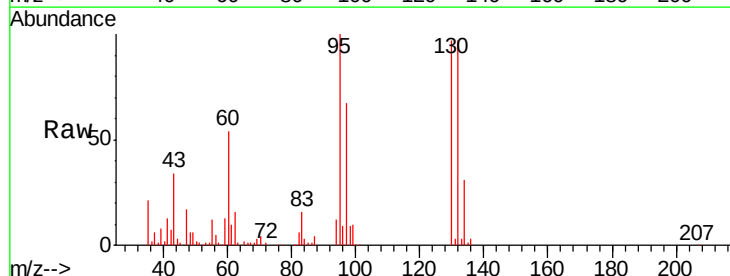
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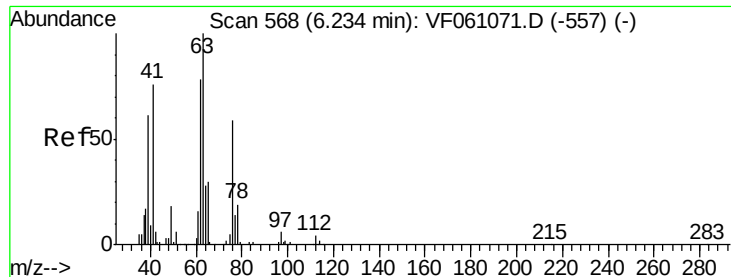
apatel
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#44
Trichloroethene
Concen: 51.238 ug/l
RT: 5.50 min Scan# 494
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	205.2





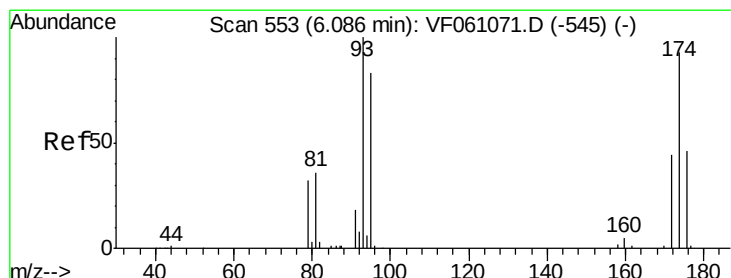
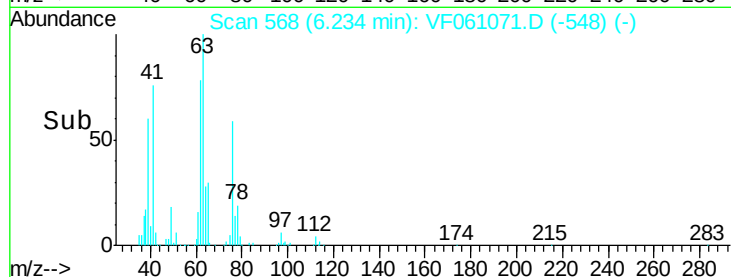
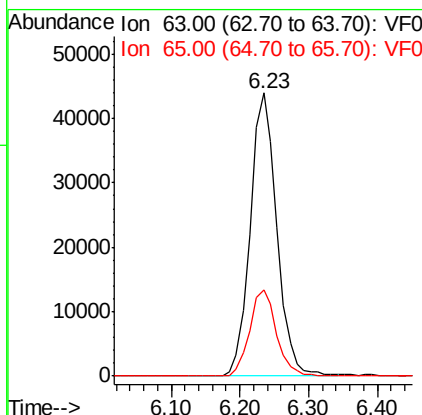
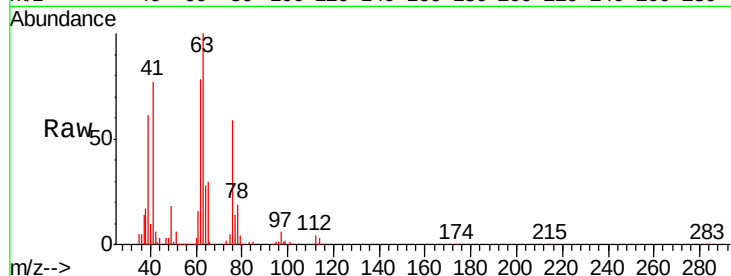
#45
 1,2-Dichloropropane
 Concen: 54.916 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 118123
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

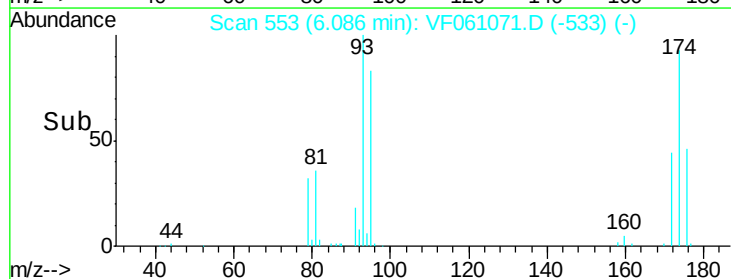
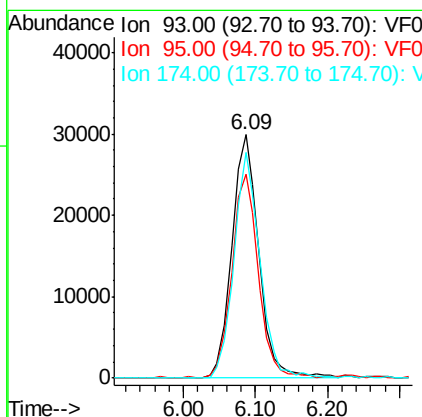
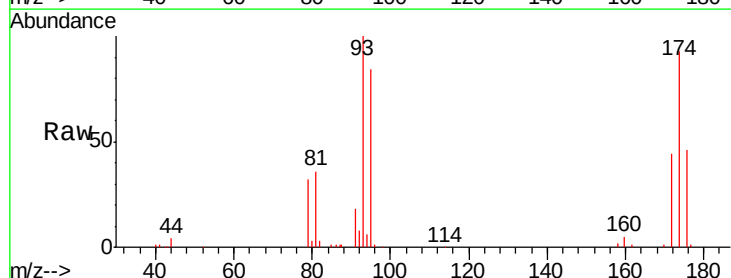
Manual Integrations
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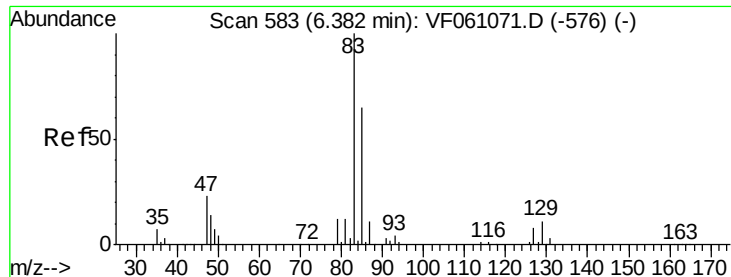
apatel
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#46
 Dibromomethane
 Concen: 53.630 ug/l
 RT: 6.09 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 93 Resp: 78135
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.9 100.3
 174 92.6 74.1 111.1





#47

Bromodichloromethane

Concen: 54.108 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

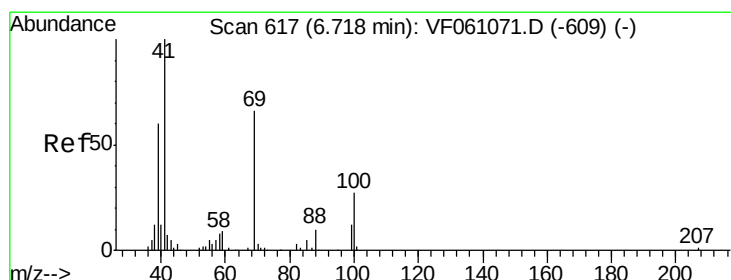
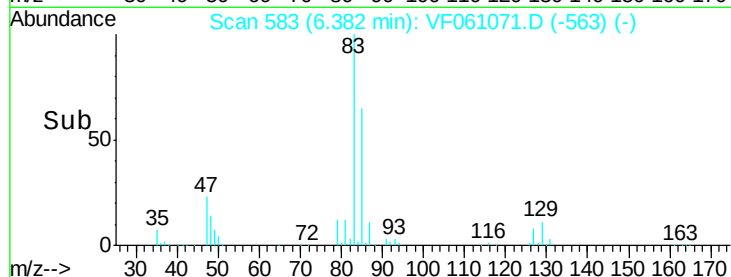
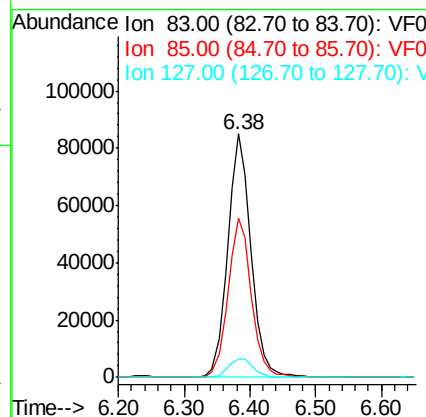
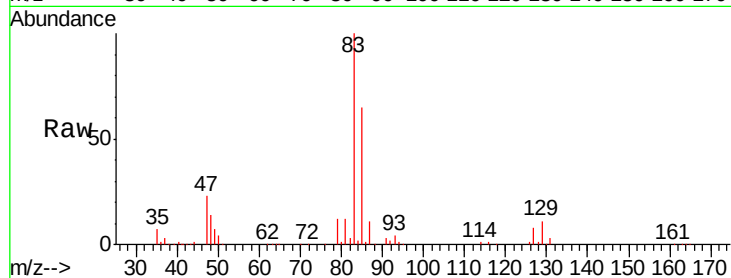
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	209889
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	7.6	6.1	9.1

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#48

Methyl methacrylate

Concen: 50.870 ug/l

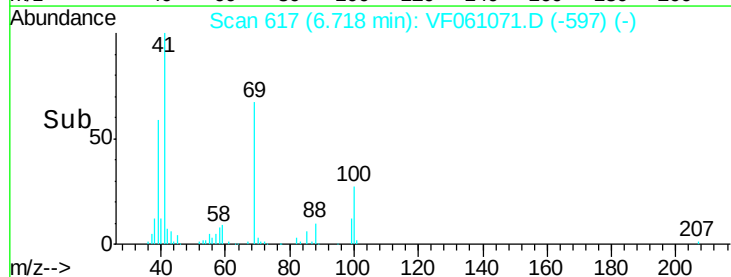
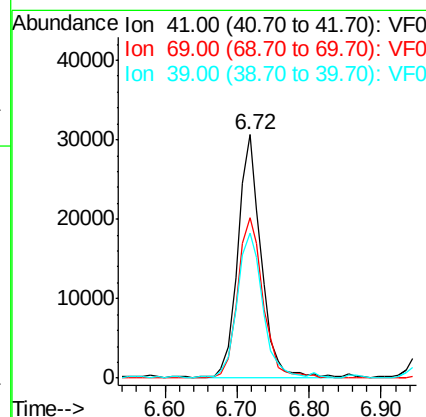
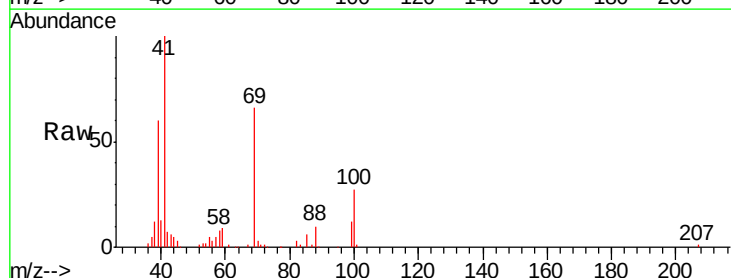
RT: 6.72 min Scan# 617

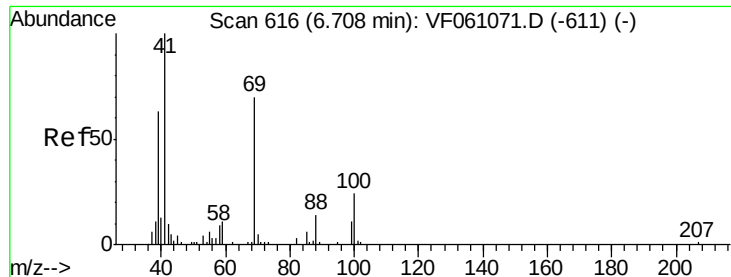
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	41	Resp:	69637
Ion	Ratio	Lower	Upper
41	100		
69	65.9	52.7	79.1
39	59.7	47.8	71.6





#49

1,4-Dioxane

Concen: 1055.482 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

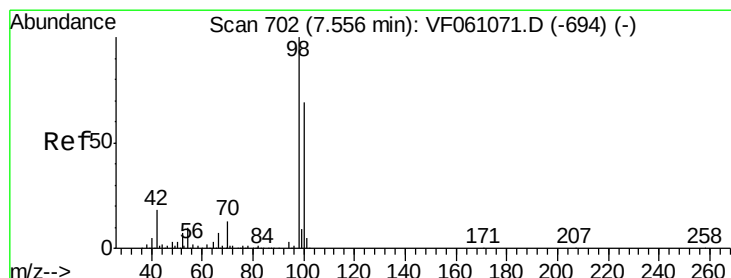
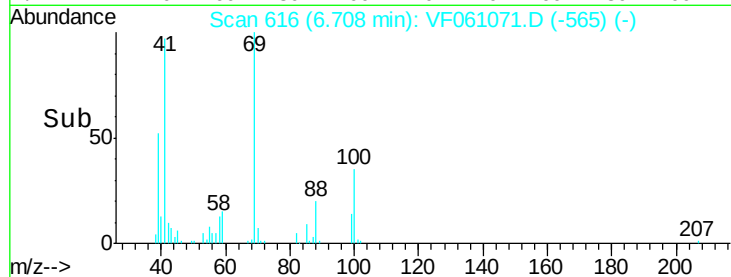
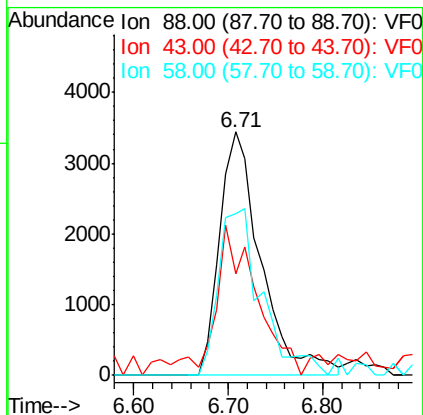
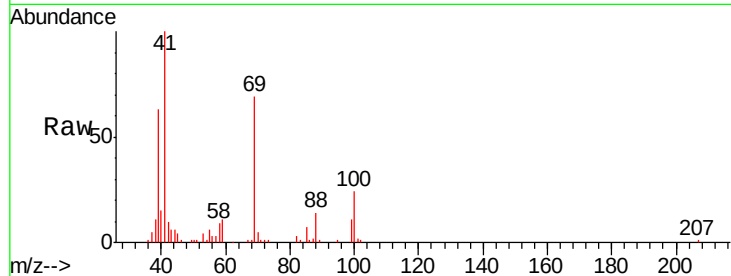
ClientSampleId :

VSTDICCC050

Tgt Ion:	88	Resp:	10447
Ion Ratio	Lower	Upper	
88	100		
43	41.6	33.3	49.9
58	66.5	53.2	79.8

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#50

Toluene-d8

Concen: 47.857 ug/l

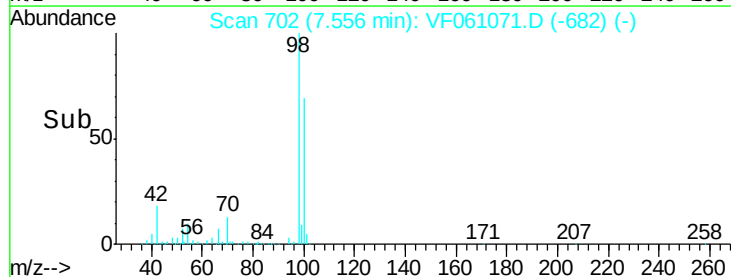
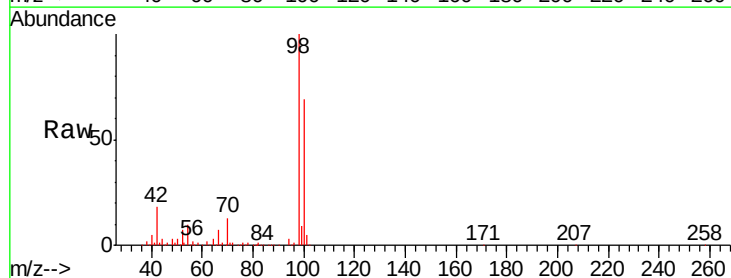
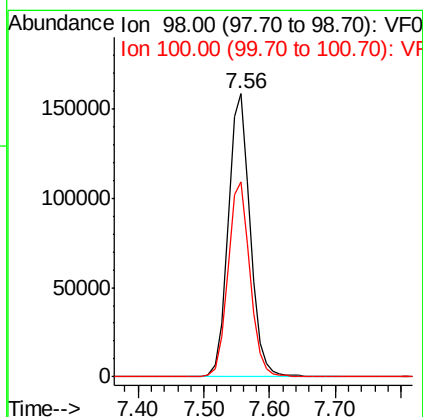
RT: 7.56 min Scan# 702

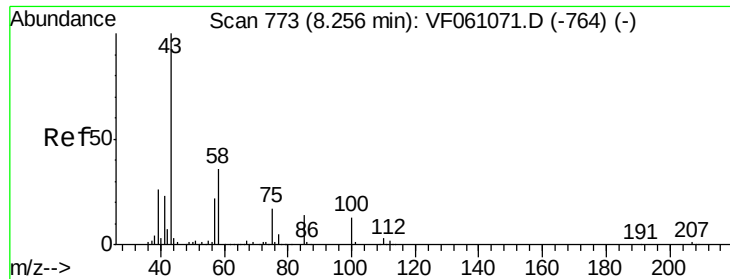
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	98	Resp:	371392
Ion Ratio	Lower	Upper	
98	100		
100	69.1	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 238.916 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 332319

Ion Ratio Lower Upper

43 100

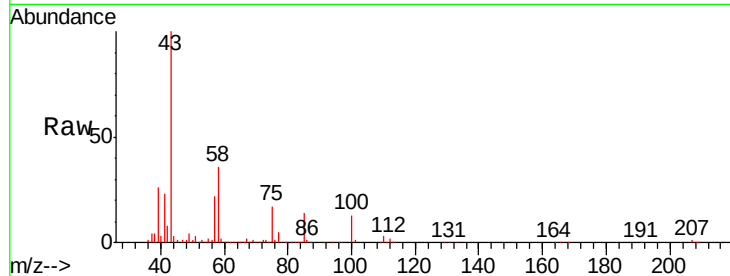
58 36.4 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

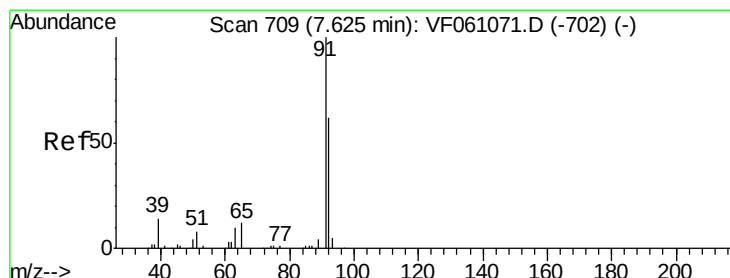
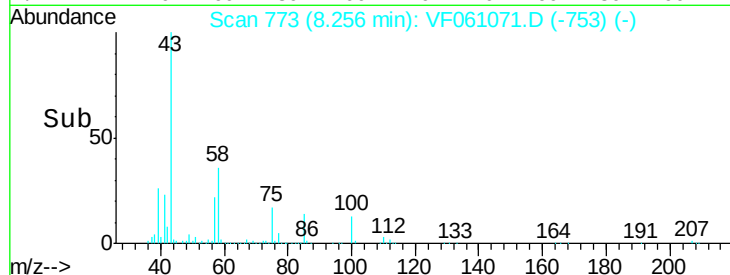
100000

50000

0

8.10 8.20 8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 48.292 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061071.D

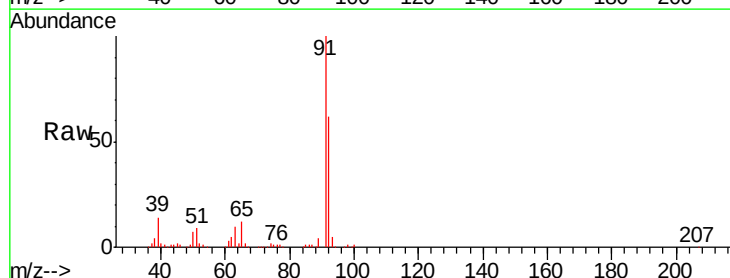
Acq: 18 Dec 2018 19:51

Tgt Ion: 92 Resp: 281154

Ion Ratio Lower Upper

92 100

91 161.0 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

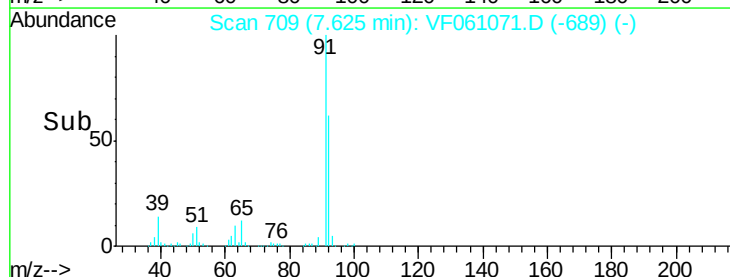
100000

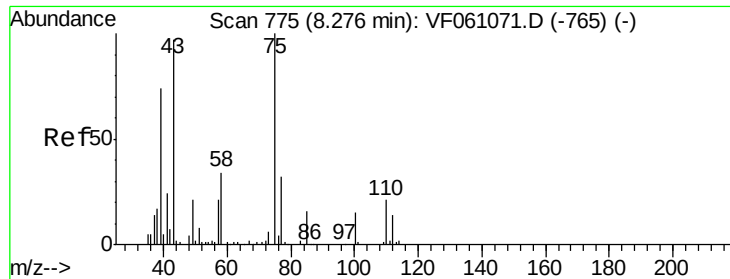
50000

0

7.50 7.60 7.70 7.80

Time-->





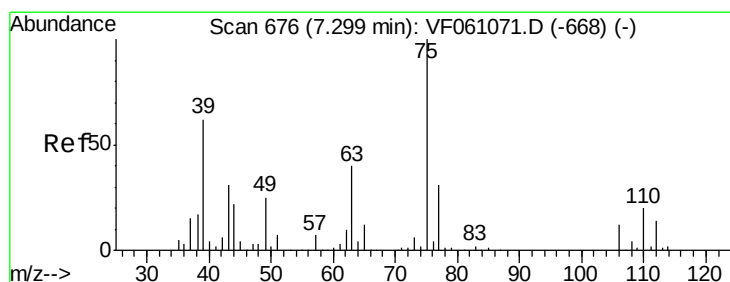
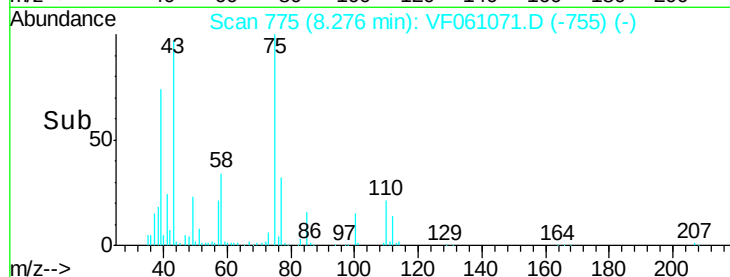
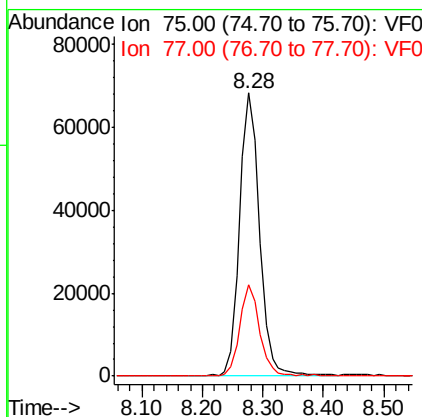
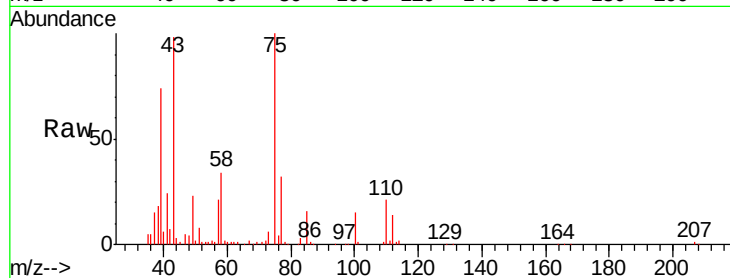
#53
 t-1,3-Dichloropropene
 Concen: 50.382 ug/l
 RT: 8.28 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8

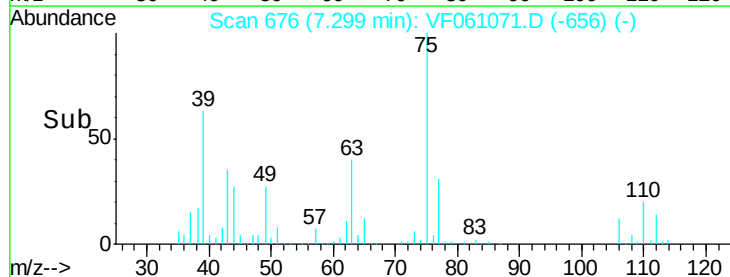
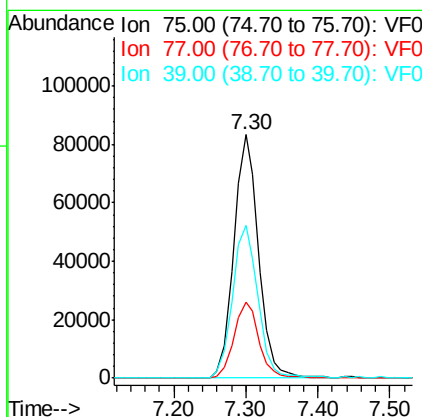
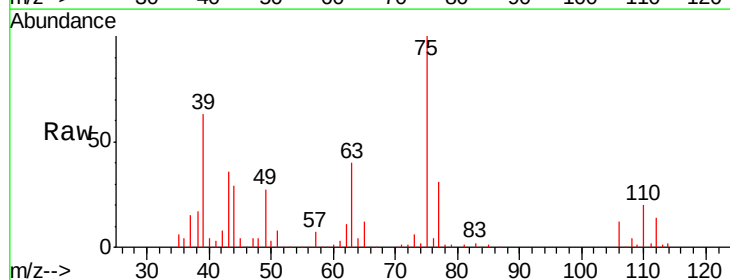
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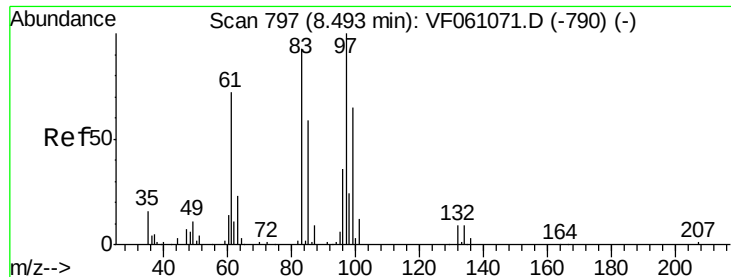
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 51.572 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	62.6	50.1	75.1





#55

1,1,2-Trichloroethane

Concen: 48.942 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

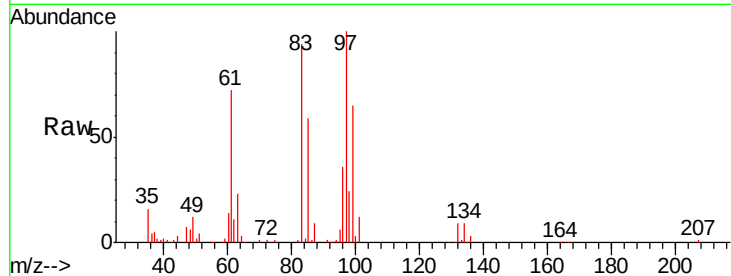
ClientSampleId :

VSTDICCC050

Tgt Ion:	97	Resp:	81994
Ion	Ratio	Lower	Upper
97	100		
83	93.7	75.0	112.4
85	59.4	47.5	71.3
99	64.9	51.9	77.9

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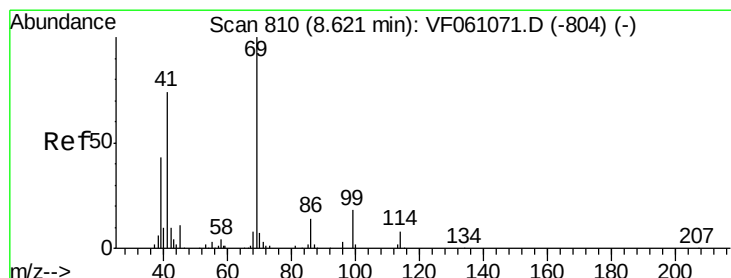
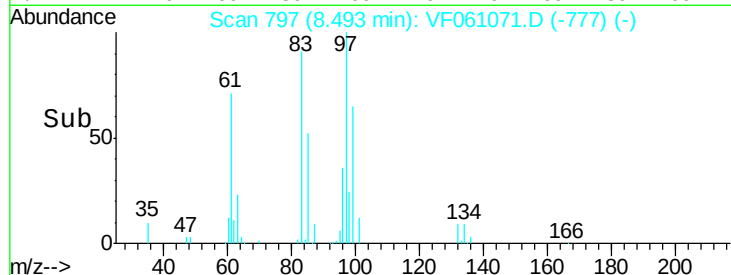
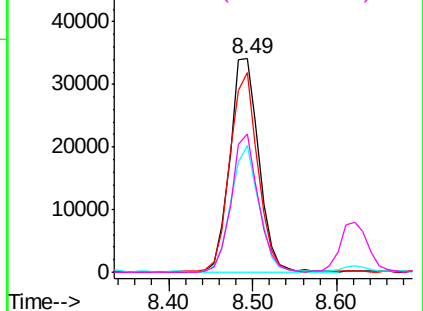


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.086 ug/l

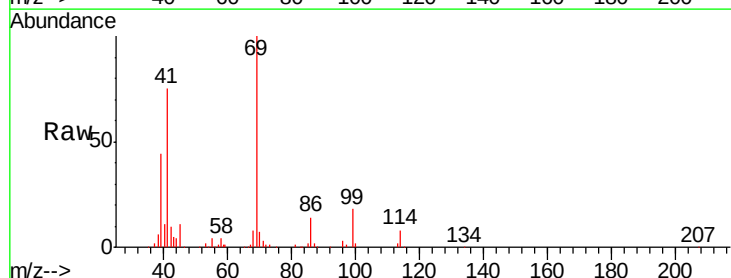
RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

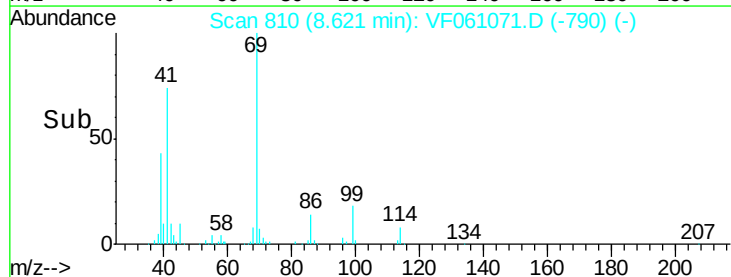
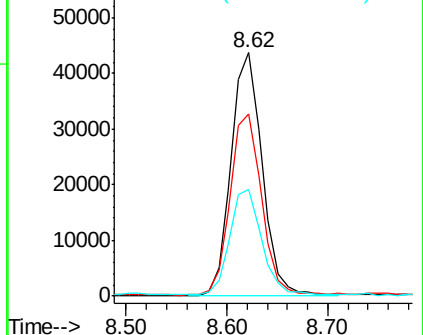
Tgt Ion:	69	Resp:	94379
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.7	89.5
39	43.8	35.0	52.6

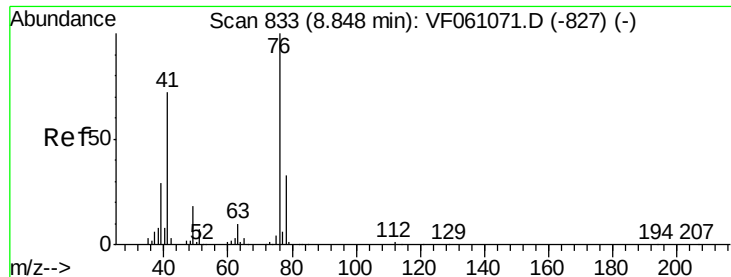


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





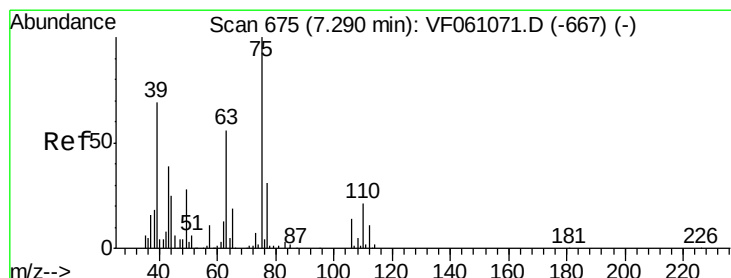
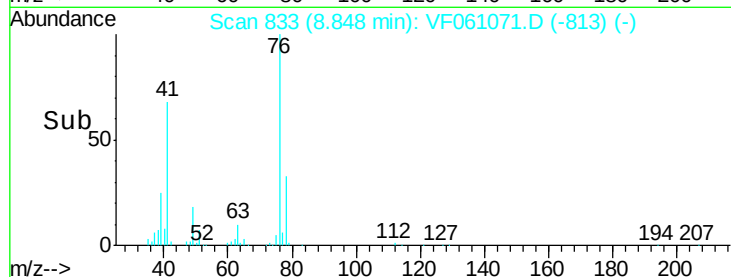
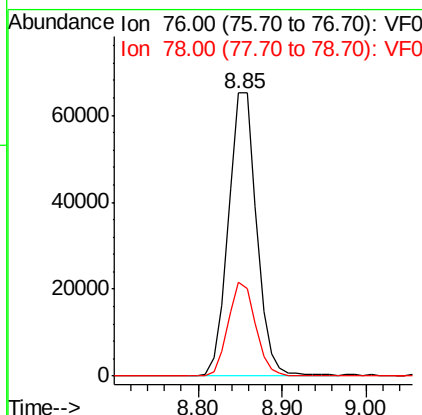
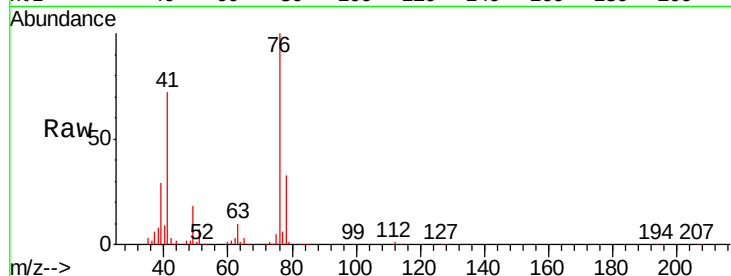
#57
 1,3-Dichloropropane
 Concen: 51.861 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

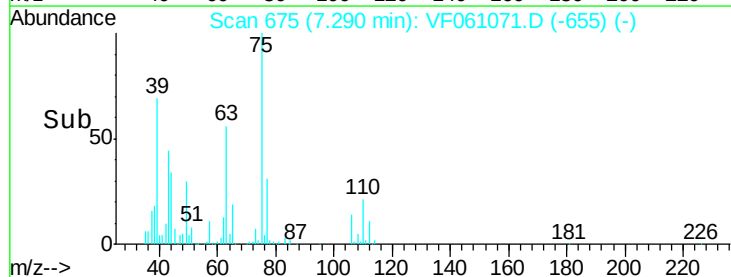
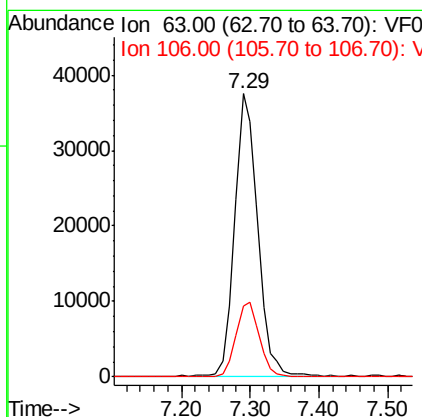
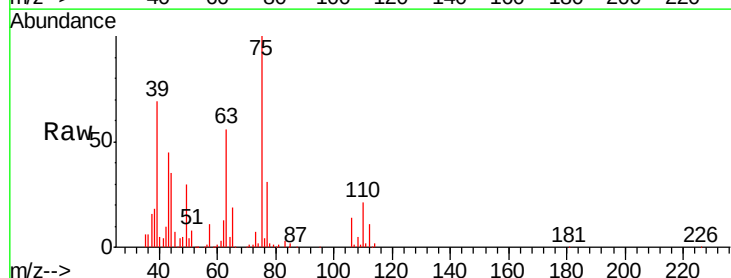
Manual Integrations
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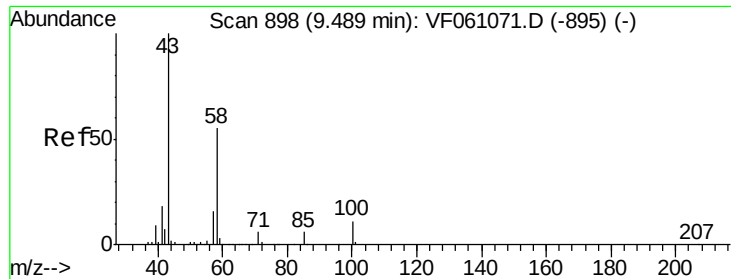
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#58
 2-Chloroethyl Vinyl ether
 Concen: 399.097 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.8	29.8





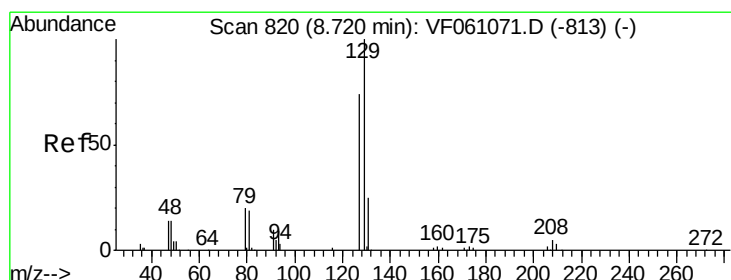
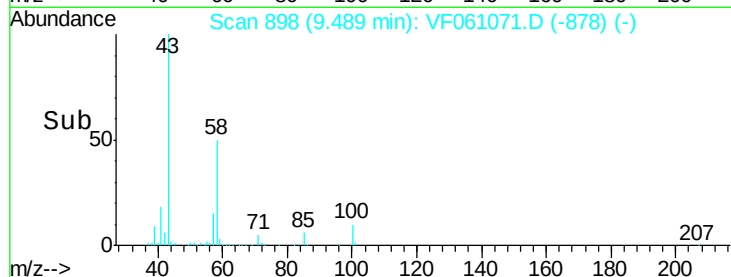
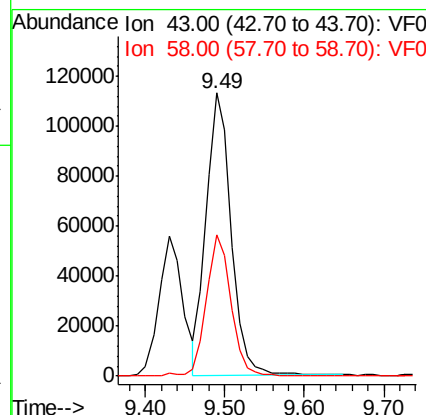
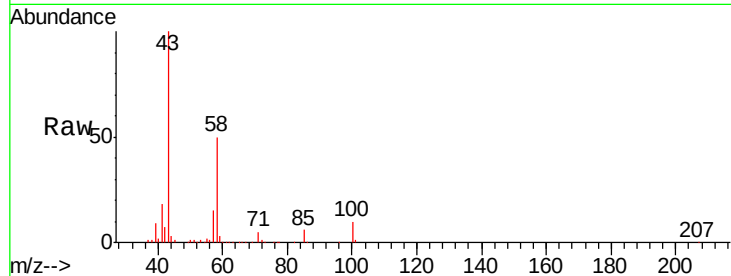
#59
2-Hexanone
Concen: 250.269 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 245999
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2

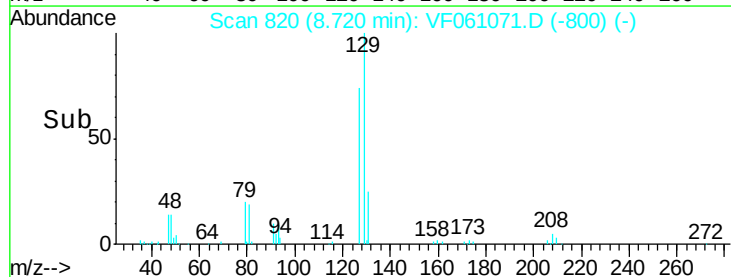
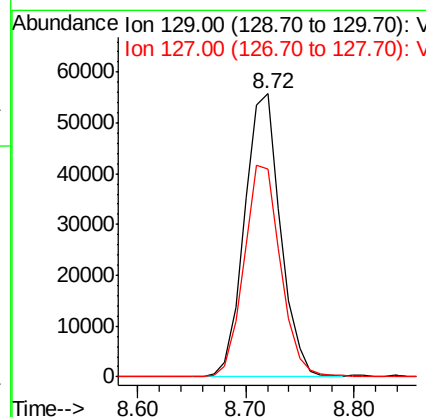
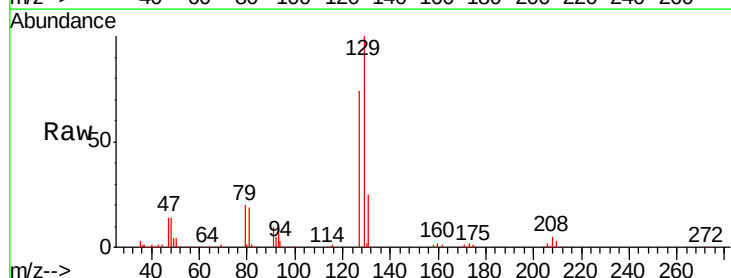
Manual Integrations
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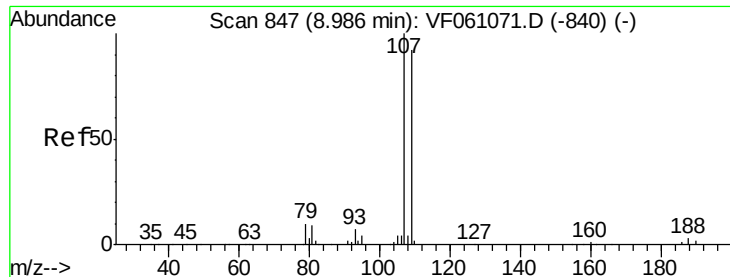
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#60
Dibromochloromethane
Concen: 51.376 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 129 Resp: 128553
Ion Ratio Lower Upper
129 100
127 73.5 36.8 110.3





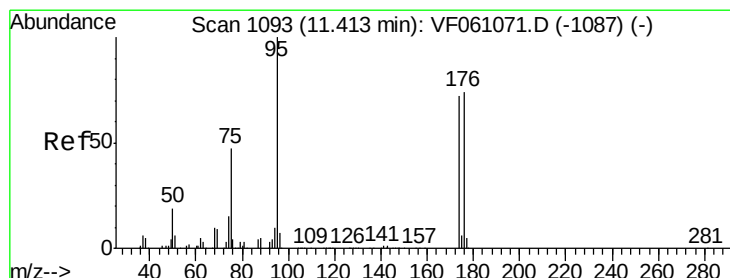
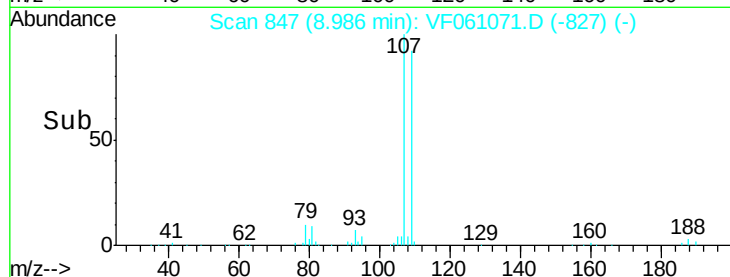
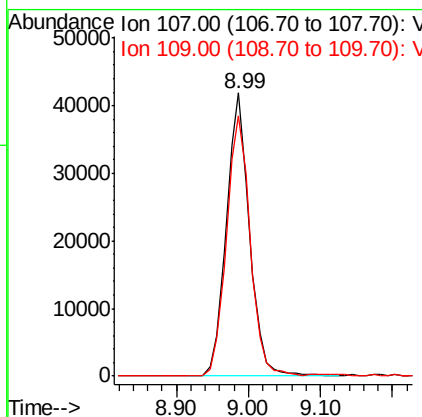
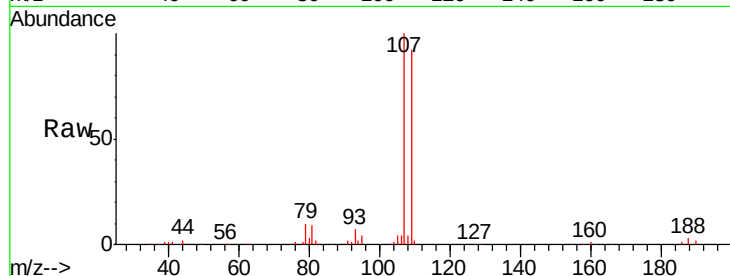
#61
1,2-Dibromoethane
Concen: 51.171 ug/l
RT: 8.99 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.1	73.7	110.5

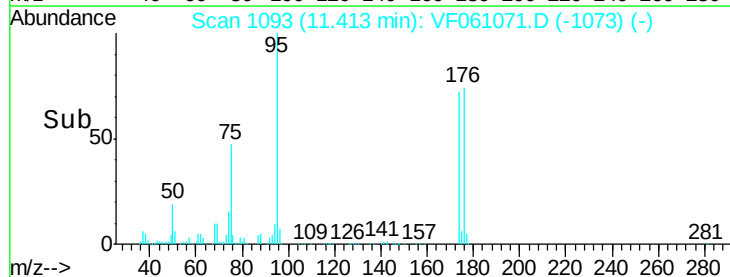
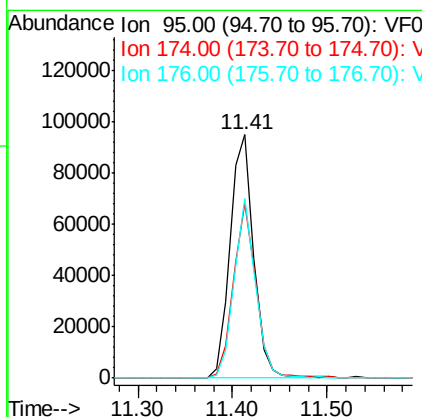
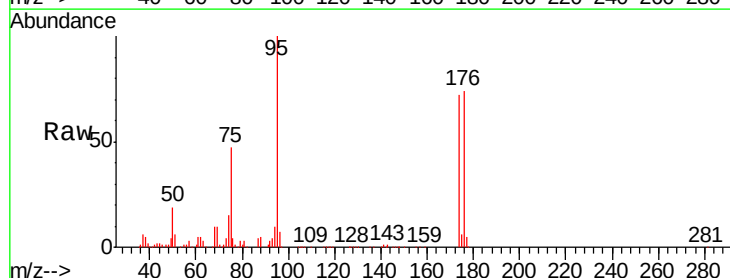
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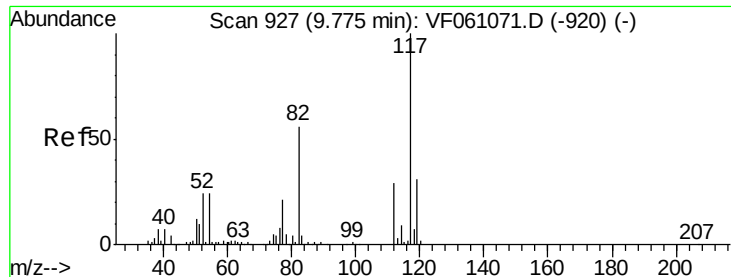
apatel
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#62
4-Bromofluorobenzene
Concen: 46.802 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	143.8
176	73.8	0.0	147.6





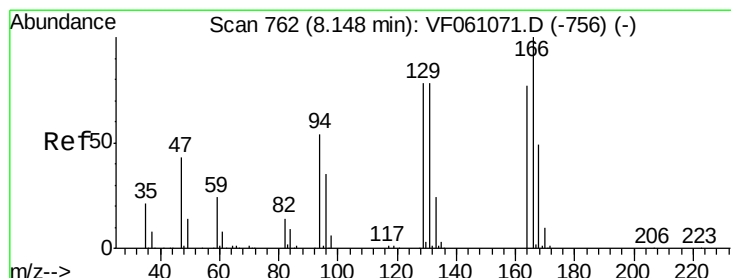
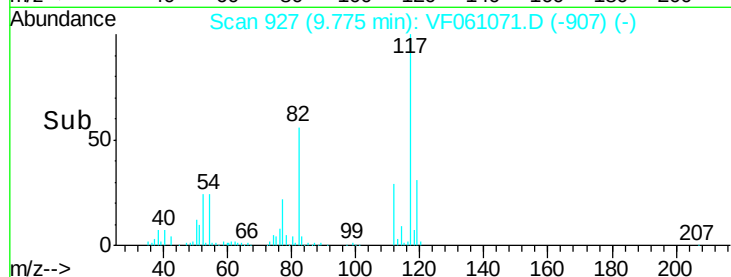
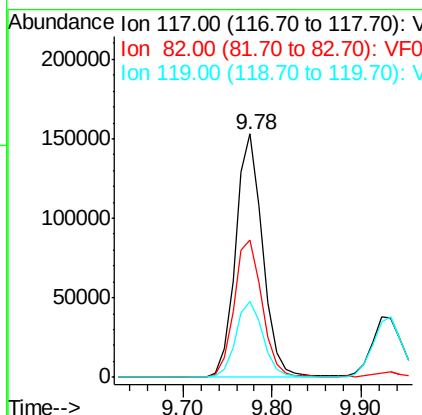
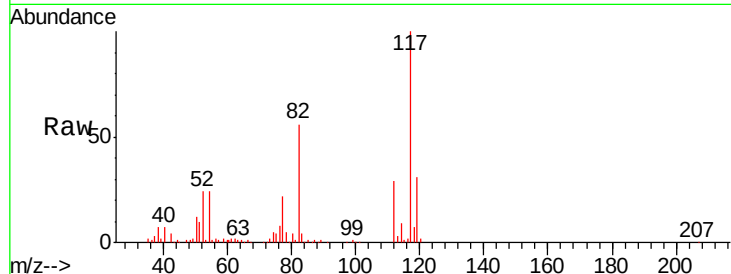
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	56.2	45.0	67.4
119	31.0	24.8	37.2

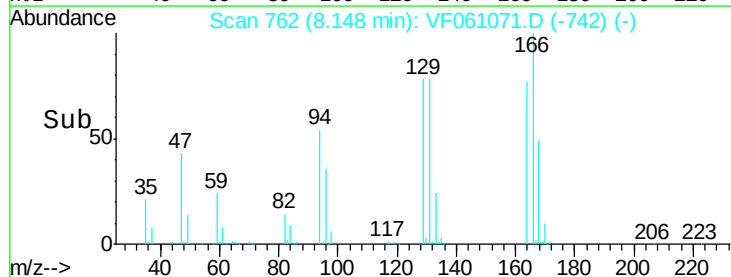
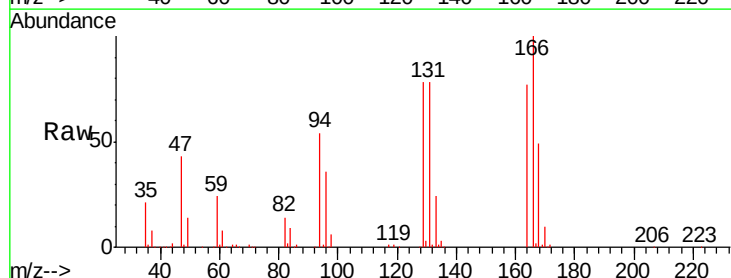
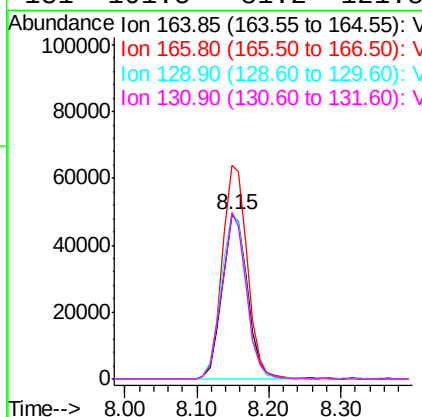
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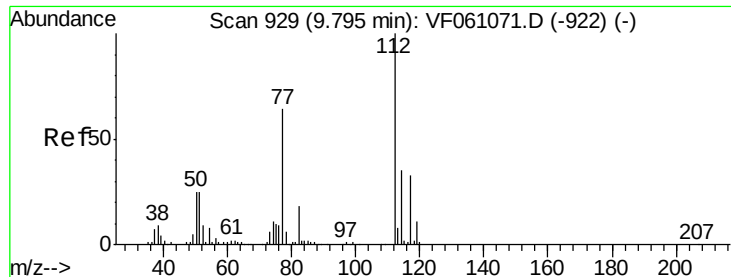
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#64
Tetrachloroethene
Concen: 48.342 ug/l
RT: 8.15 min Scan# 762
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	130.0	104.0	156.0
129	101.4	81.1	121.7
131	101.5	81.2	121.8





#65

Chlorobenzene

Concen: 50.762 ug/l

RT: 9.80 min Scan# 929

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 317592

Ion Ratio Lower Upper

112 100

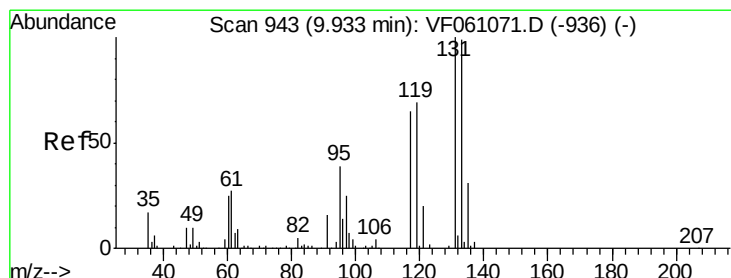
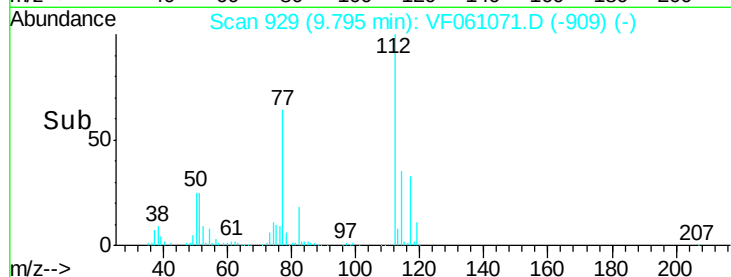
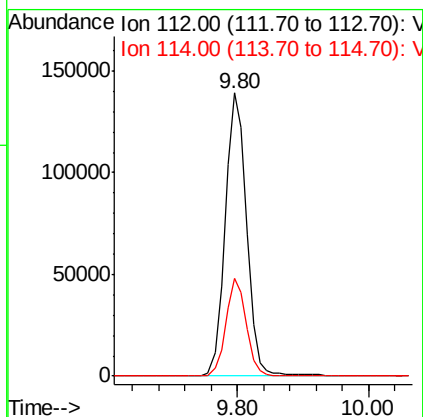
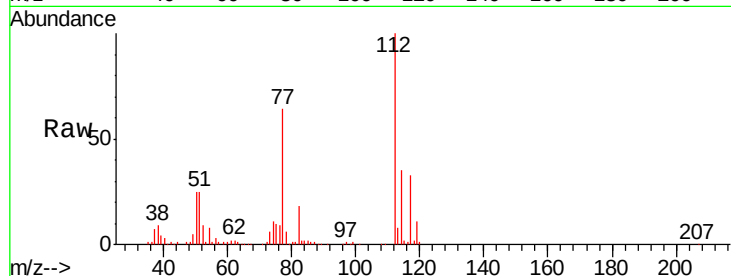
114 34.7 27.8 41.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 47.325 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

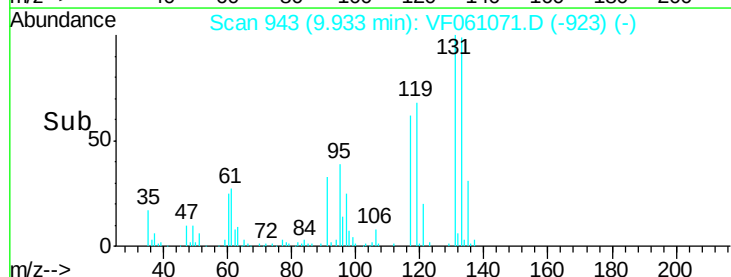
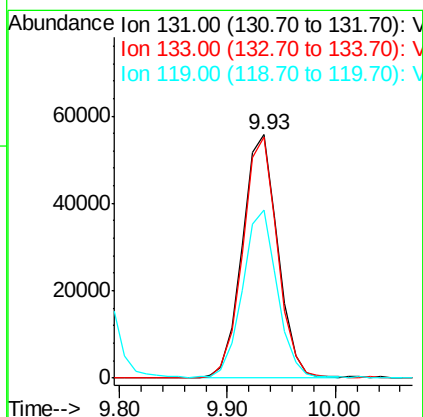
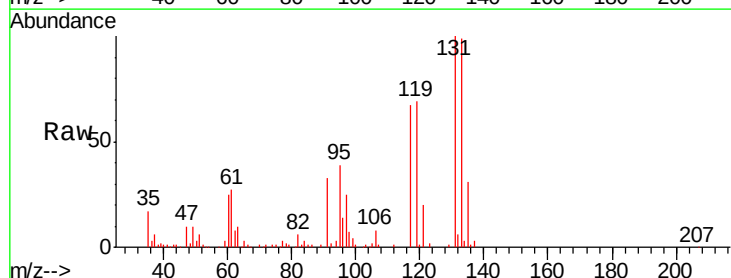
Tgt Ion:131 Resp: 126831

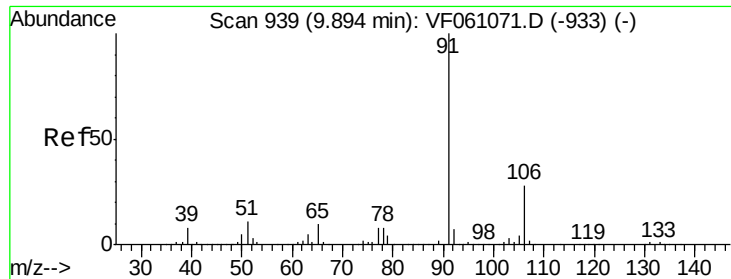
Ion Ratio Lower Upper

131 100

133 99.1 49.5 148.7

119 69.0 34.5 103.5





#67

Ethyl Benzene

Concen: 49.581 ug/l

RT: 9.89 min Scan# 939

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 579058

Ion Ratio Lower Upper

91 100

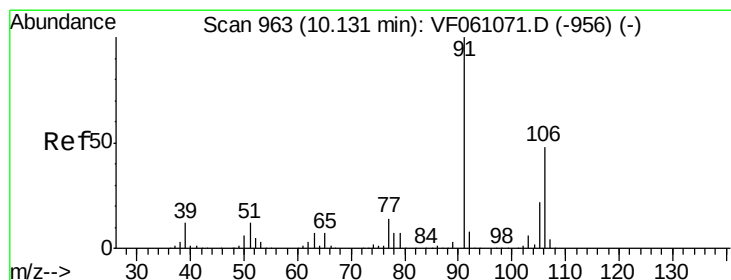
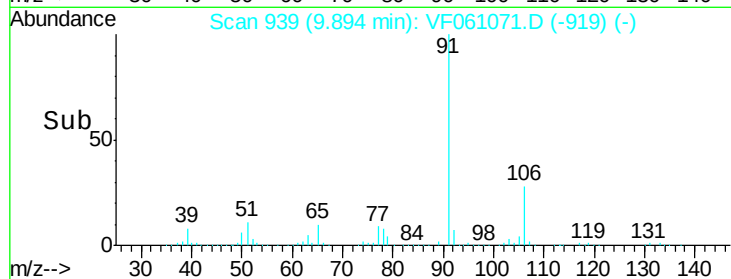
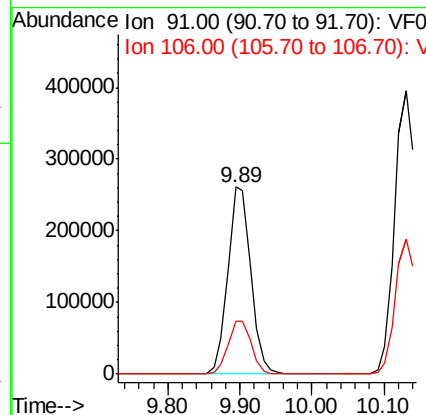
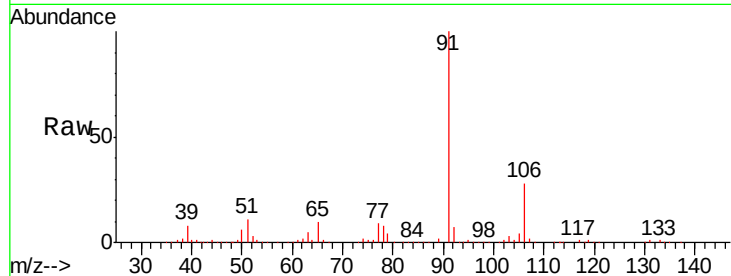
106 28.1 22.5 33.7

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#68

m/p-Xylenes

Concen: 96.288 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061071.D

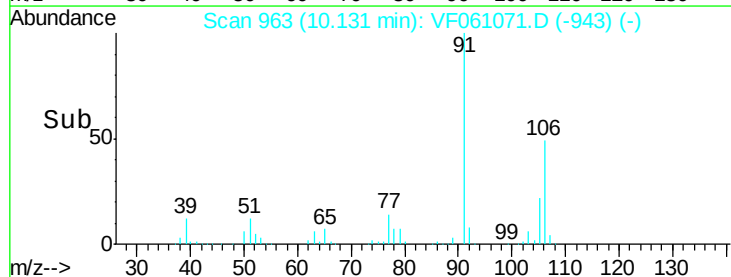
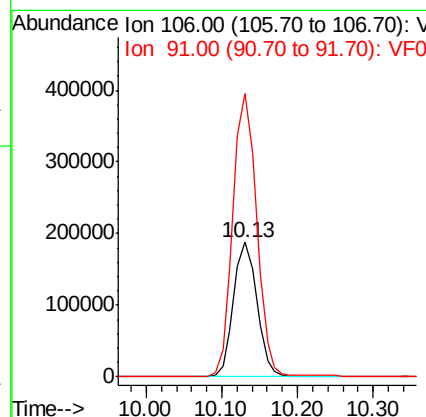
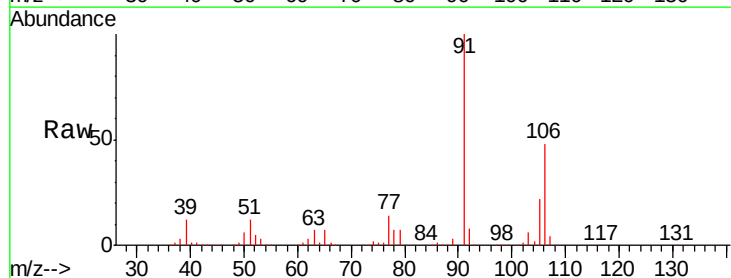
Acq: 18 Dec 2018 19:51

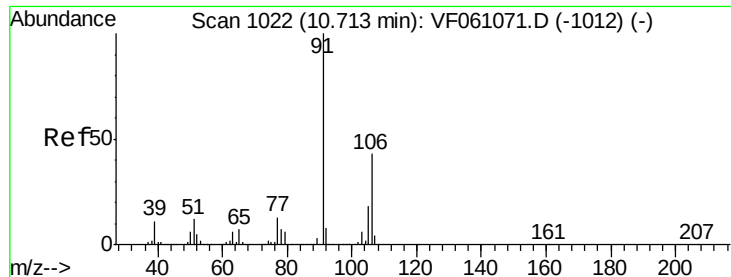
Tgt Ion: 106 Resp: 405862

Ion Ratio Lower Upper

106 100

91 210.2 168.2 252.2





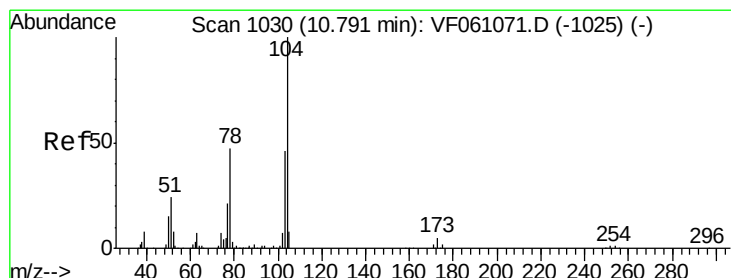
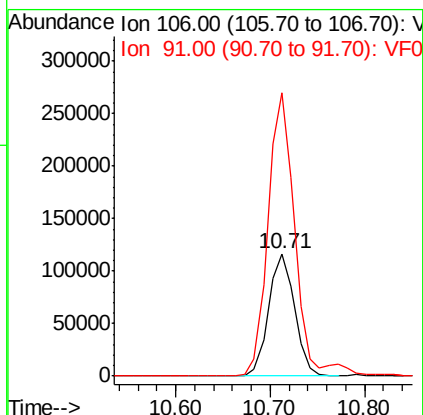
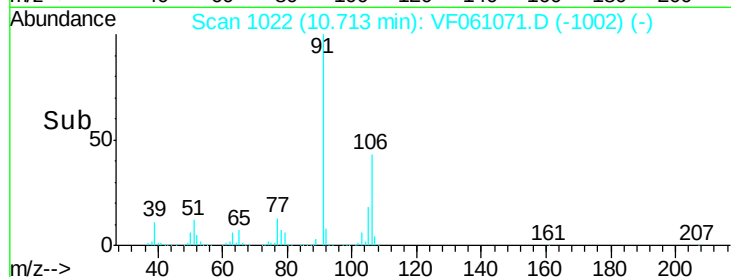
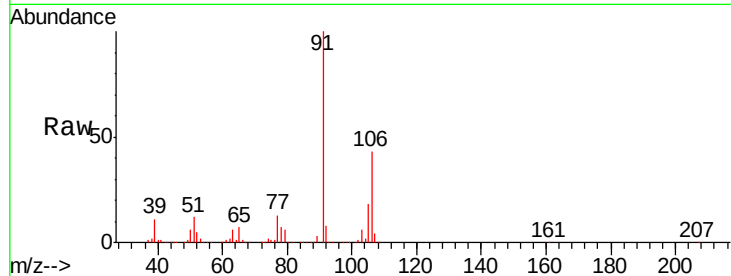
#69
o-Xylene
Concen: 48.668 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 225787
Ion Ratio Lower Upper
106 100
91 231.8 115.9 347.7

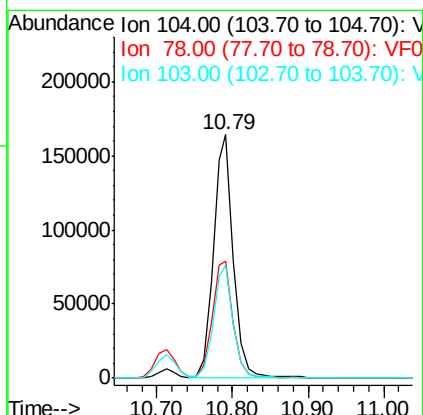
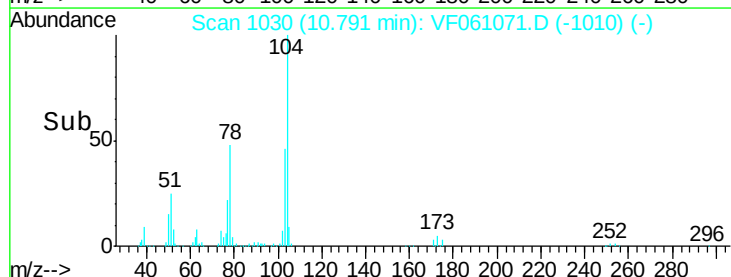
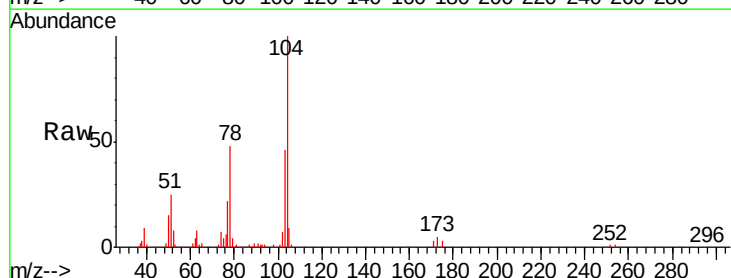
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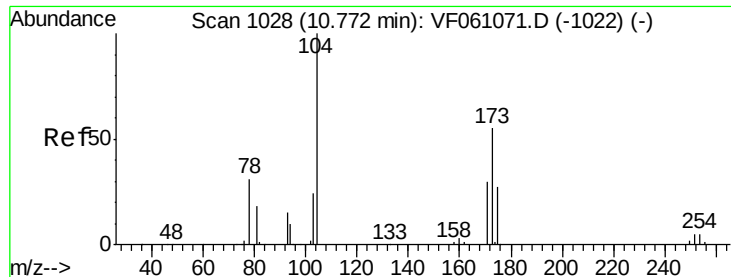
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#70
Styrene
Concen: 47.100 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion:104 Resp: 300763
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 46.3 37.0 55.6





#71

Bromoform

Concen: 46.662 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

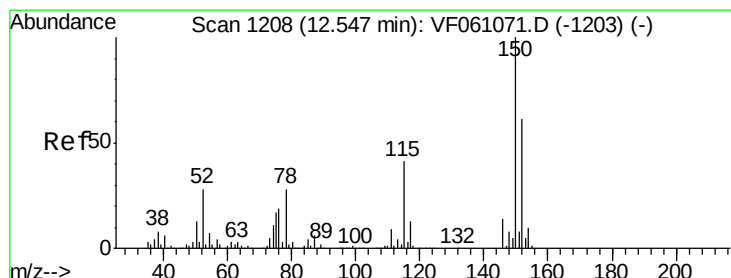
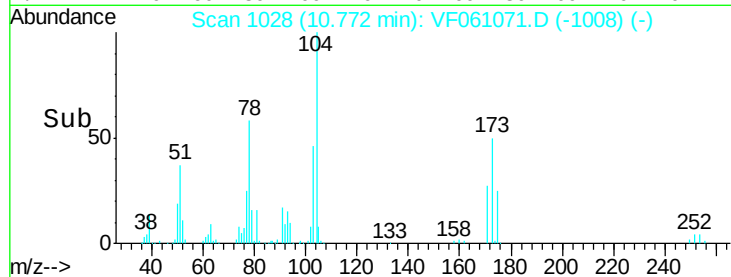
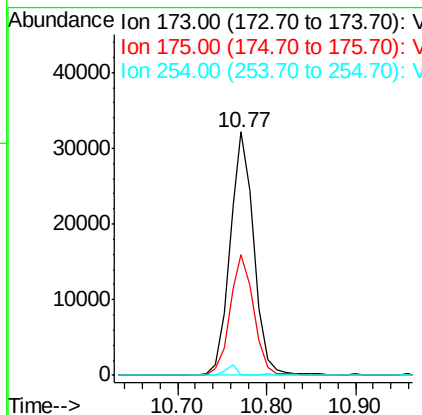
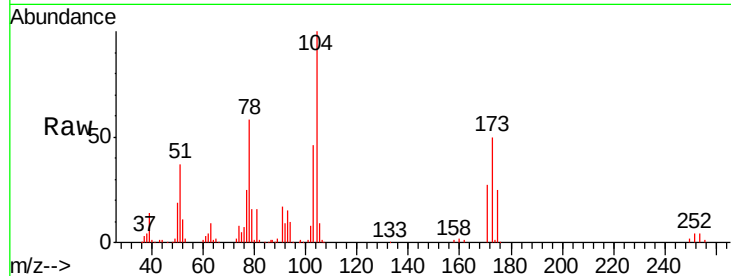
ClientSampleId :

VSTDICCC050

Tgt Ion:	173	Resp:	60108
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.8	74.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

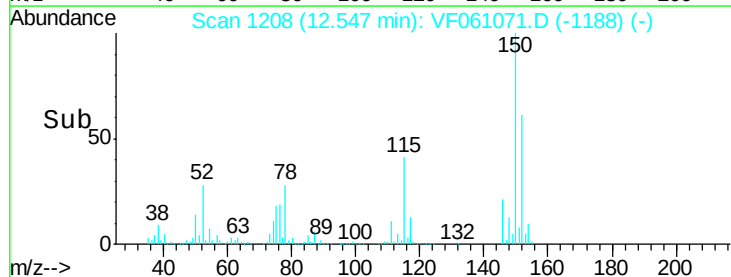
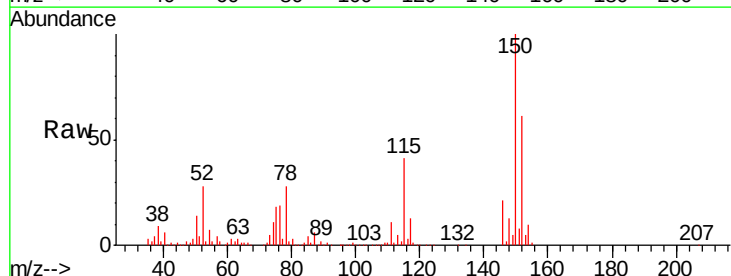
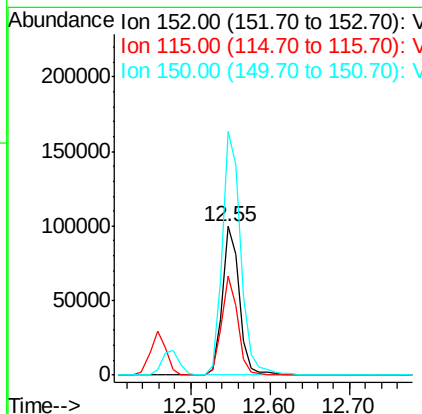
RT: 12.55 min Scan# 1208

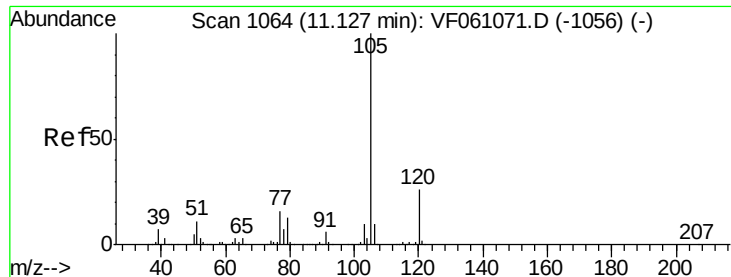
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	152	Resp:	151783
Ion Ratio	Lower	Upper	
152	100		
115	66.6	33.3	99.9
150	164.1	0.0	328.2





#73

Isopropylbenzene

Concen: 55.073 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 669355

Ion Ratio Lower Upper

105 100

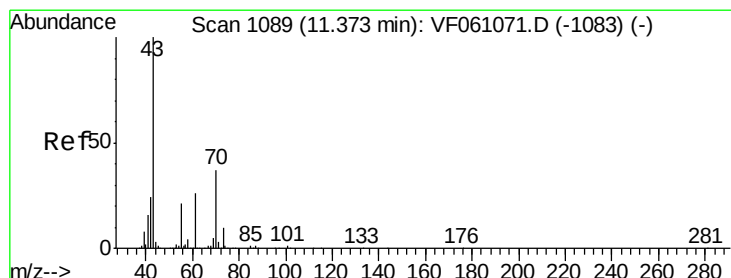
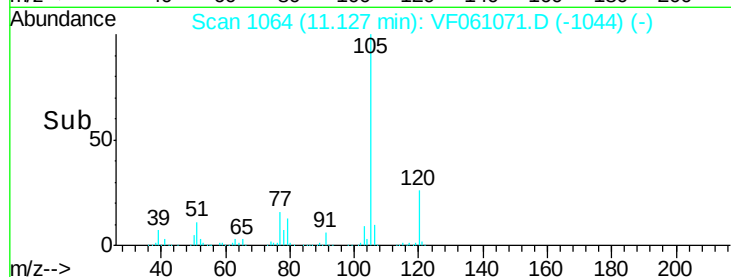
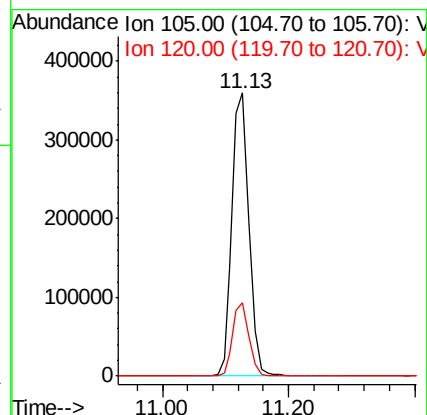
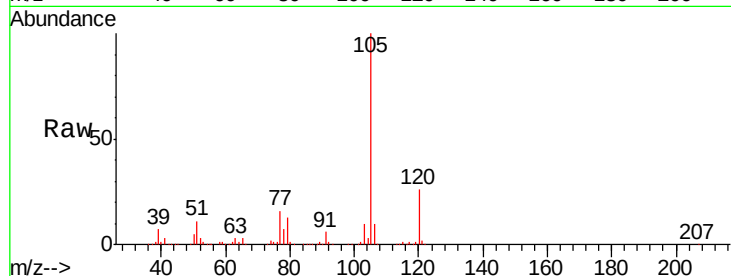
120 26.0 13.0 39.0

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#74

N-ethyl acetate

Concen: 52.485 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 43 Resp: 145784

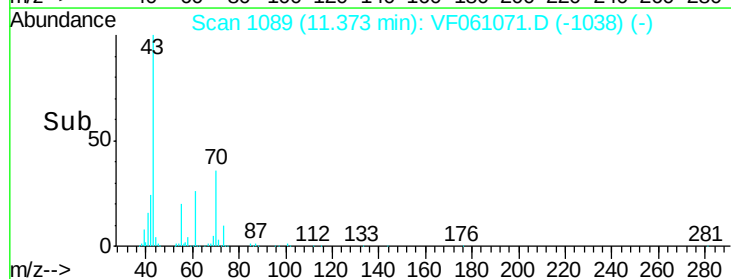
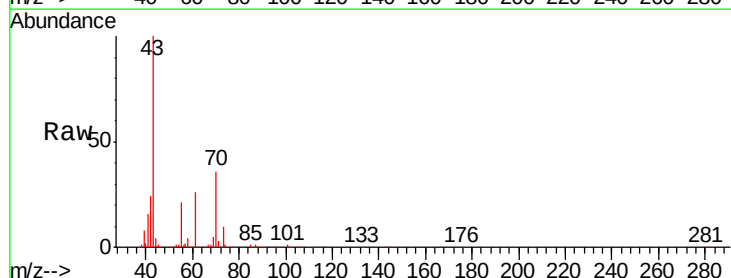
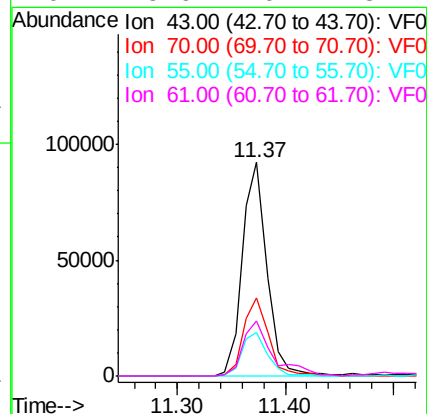
Ion Ratio Lower Upper

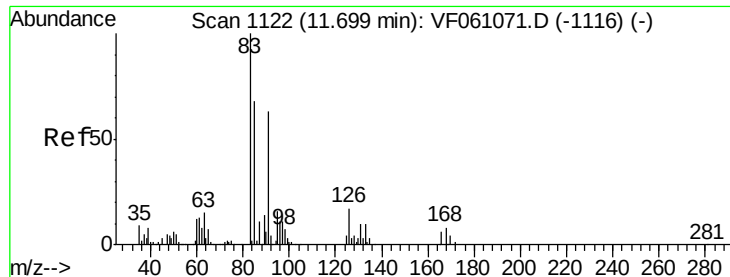
43 100

70 36.5 29.2 43.8

55 20.6 16.5 24.7

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.733 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 109096
Ion Ratio Lower Upper

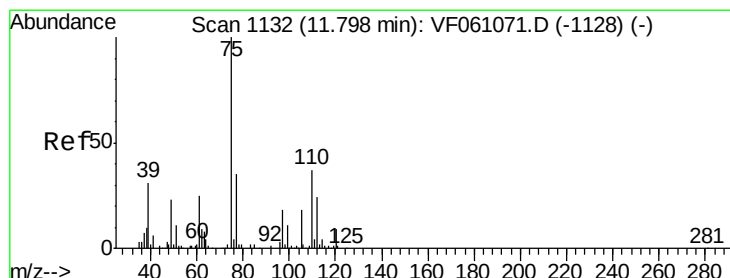
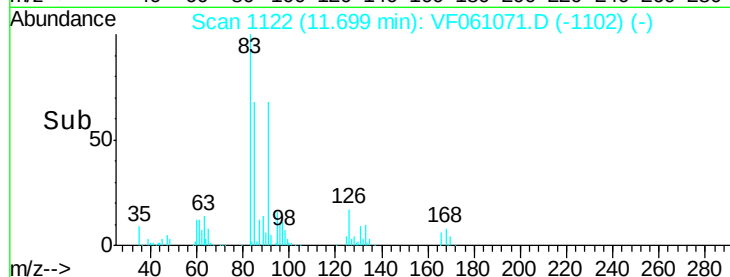
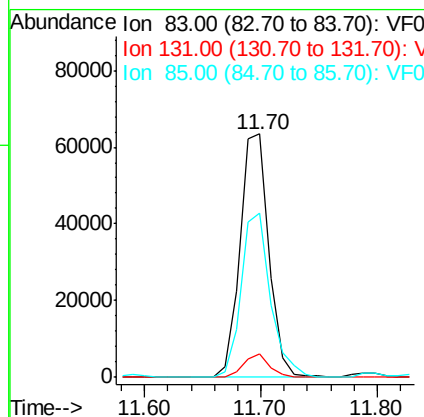
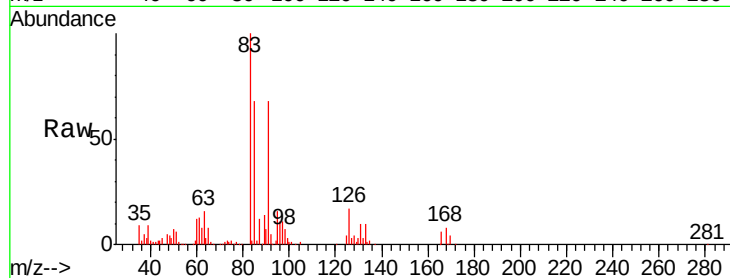
83 100

131 9.5 4.8 14.3

85 67.7 33.9 101.6

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#76

1,2,3-Trichloropropane

Concen: 55.874 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

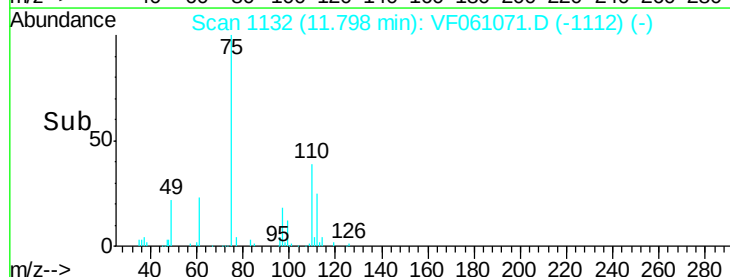
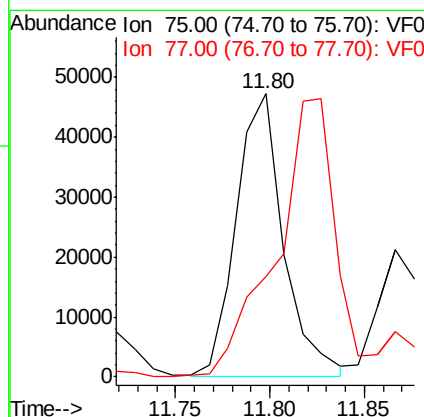
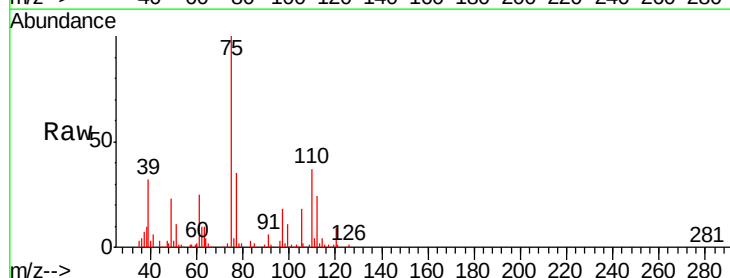
Lab File: VF061071.D

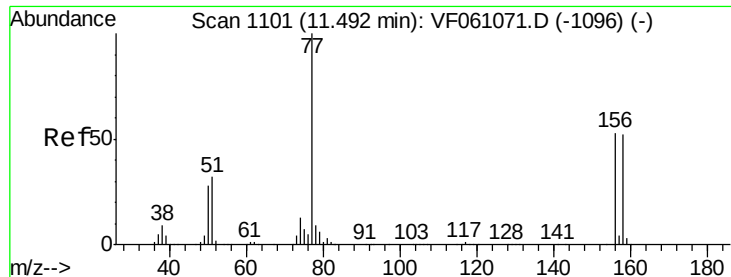
Acq: 18 Dec 2018 19:51

Tgt Ion: 75 Resp: 81559
Ion Ratio Lower Upper

75 100

77 35.3 17.6 52.9





#77

Bromobenzene

Concen: 54.206 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

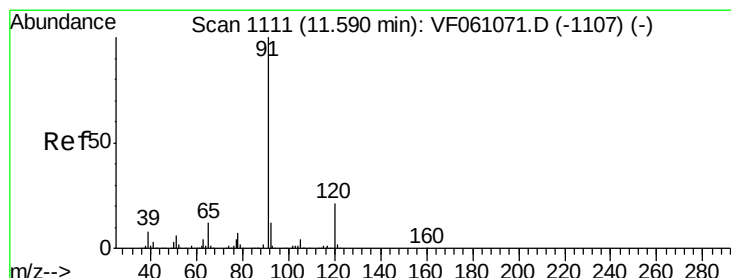
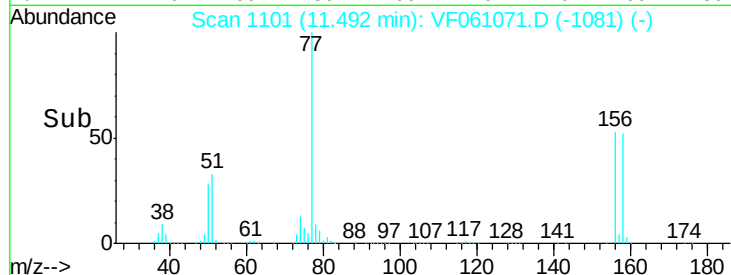
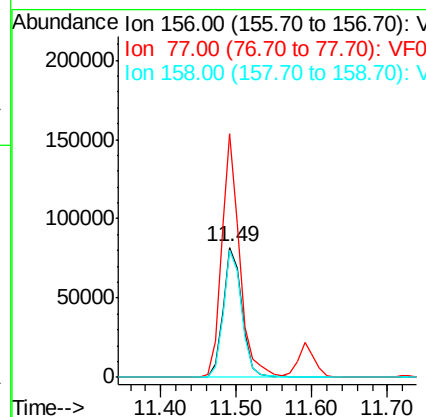
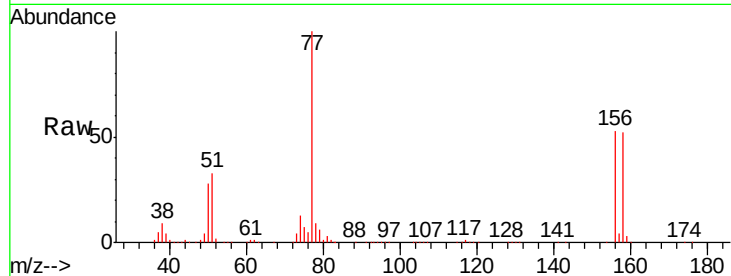
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	142510		
77	187.6	93.8	281.4	
158	97.9	48.9	146.8	

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#78

n-propylbenzene

Concen: 55.060 ug/l

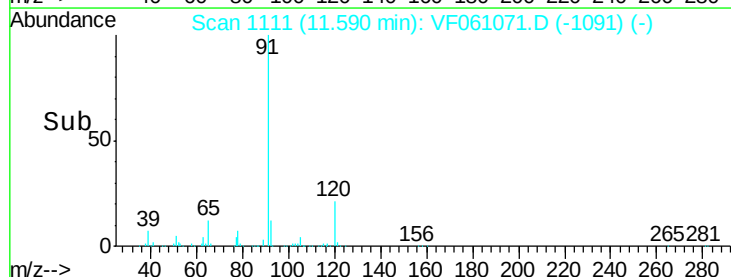
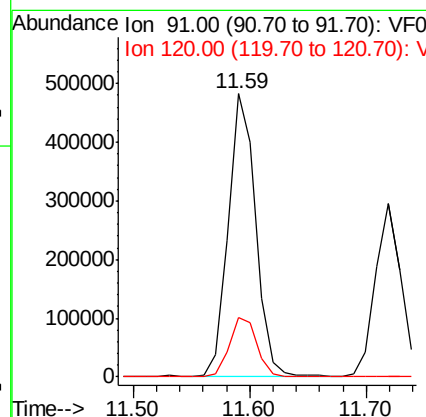
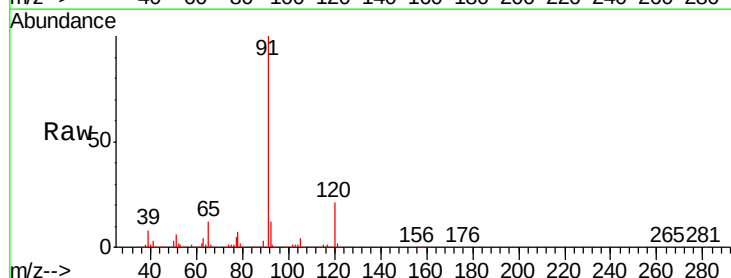
RT: 11.59 min Scan# 1111

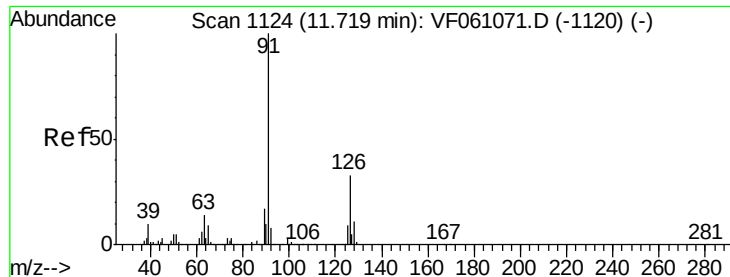
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	784120		
120	20.8	10.4	31.2	





#79

2-Chlorotoluene

Concen: 55.283 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 451981

Ion Ratio Lower Upper

91 100

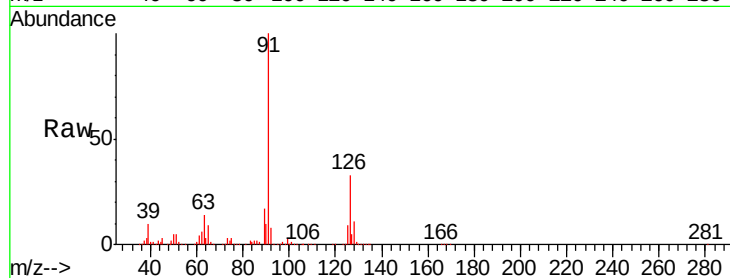
126 32.7 16.4 49.1

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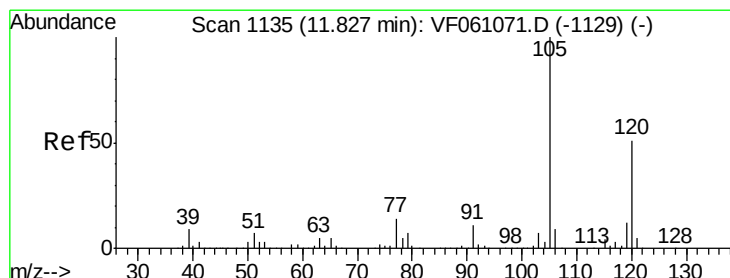
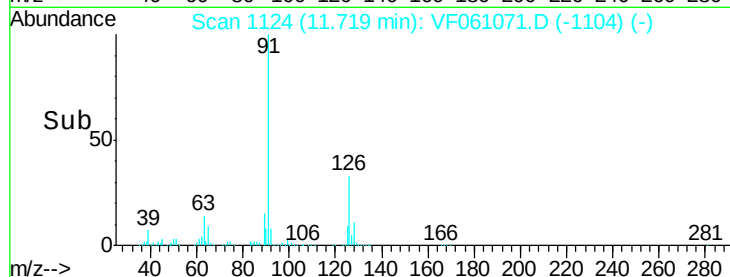
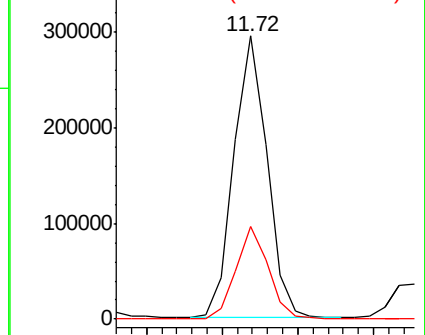
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 54.816 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061071.D

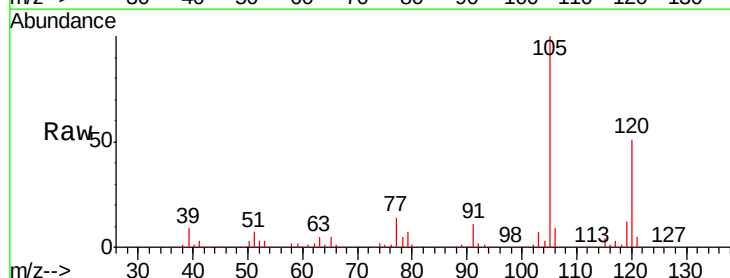
Acq: 18 Dec 2018 19:51

Tgt Ion: 105 Resp: 540452

Ion Ratio Lower Upper

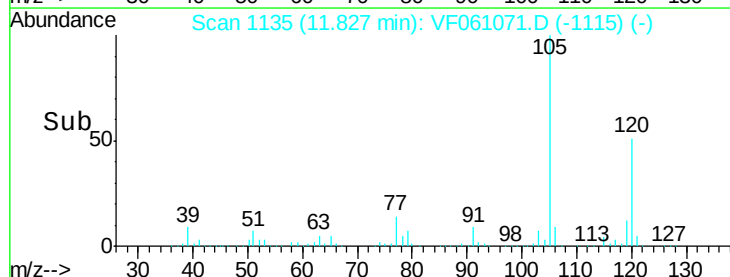
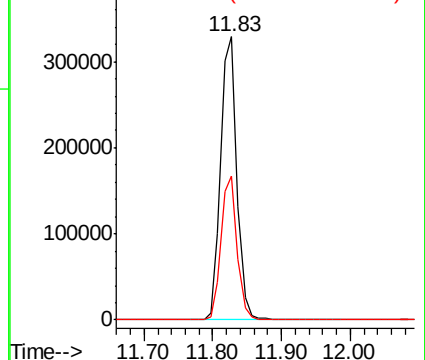
105 100

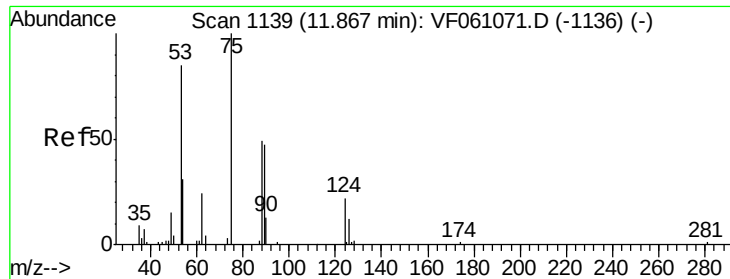
120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.927 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

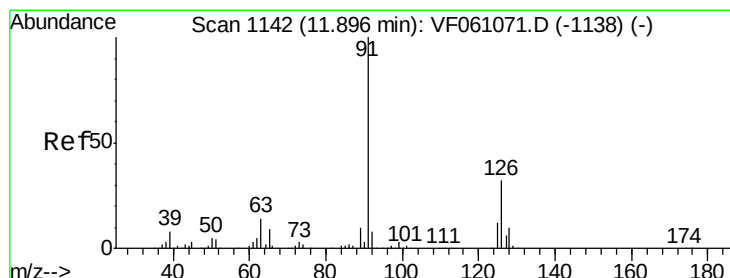
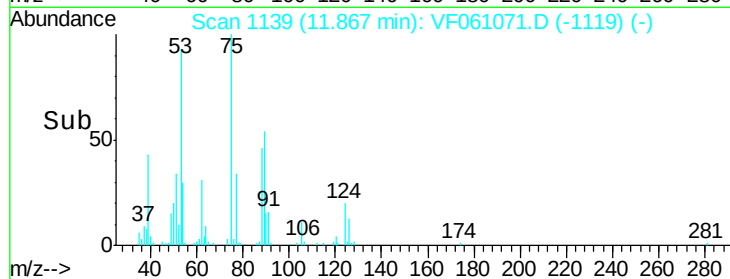
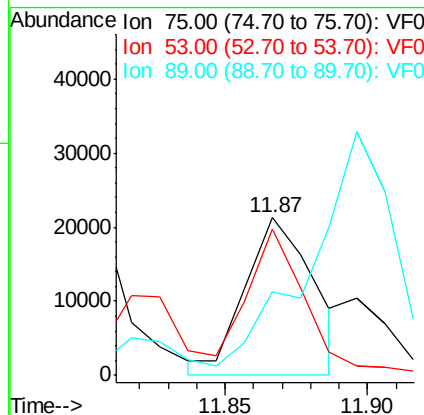
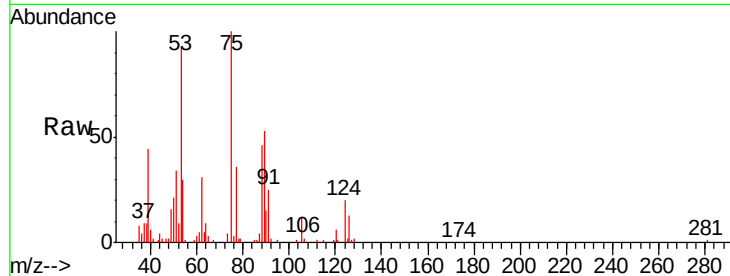
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	35765
Ion Ratio	Lower	Upper	
75	100		
53	92.6	74.1	111.1
89	53.3	42.6	64.0

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#82

4-Chlorotoluene

Concen: 52.366 ug/l

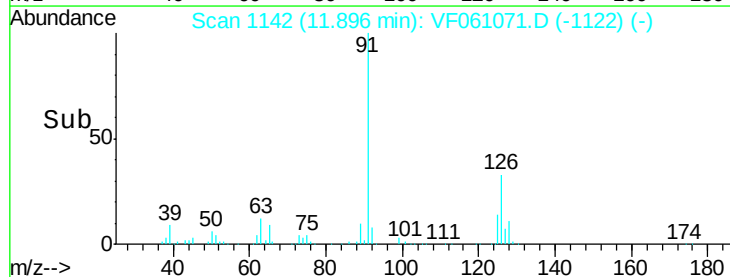
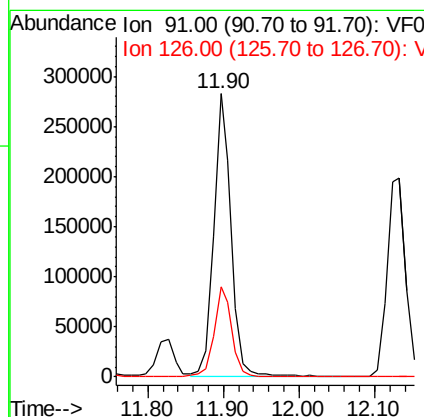
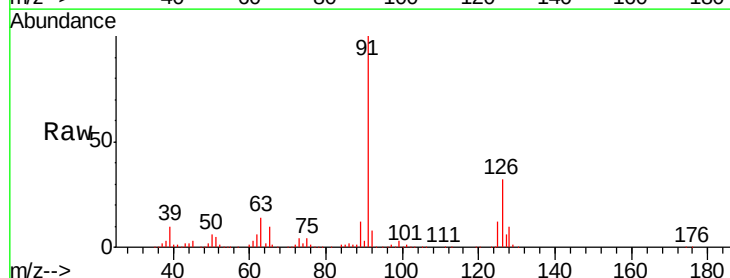
RT: 11.90 min Scan# 1142

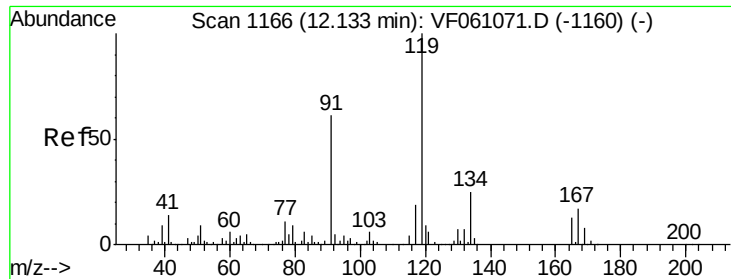
Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	91	Resp:	448896
Ion Ratio	Lower	Upper	
91	100		
126	31.9	16.0	47.9





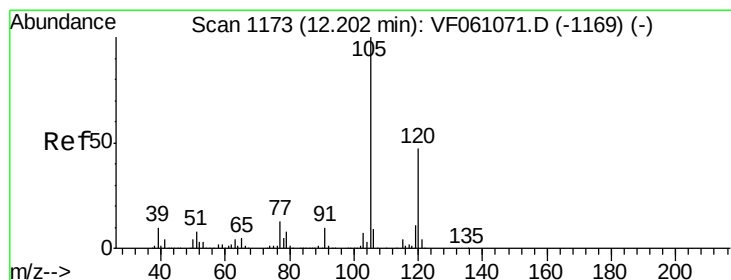
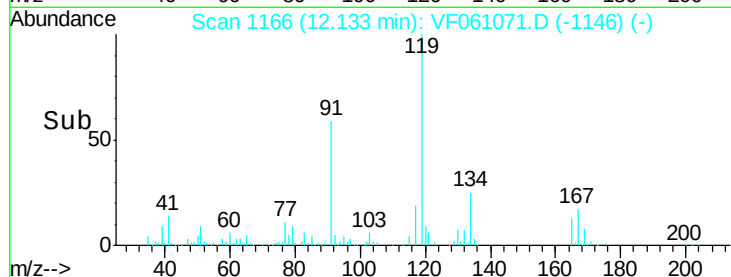
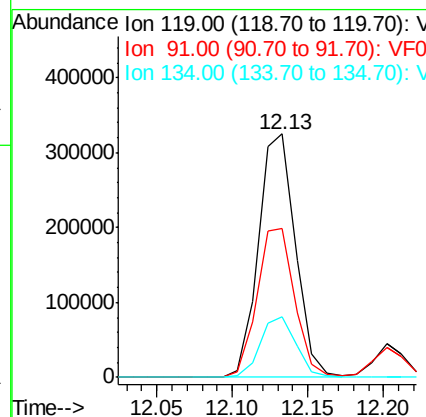
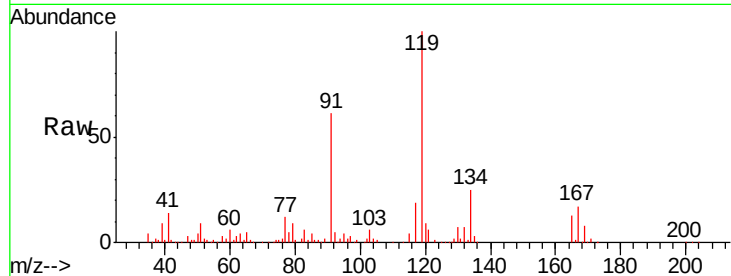
#83
 tert-Butylbenzene
 Concen: 55.083 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	555527		
91	61.0	30.5	91.5	
134	24.9	12.4	37.4	

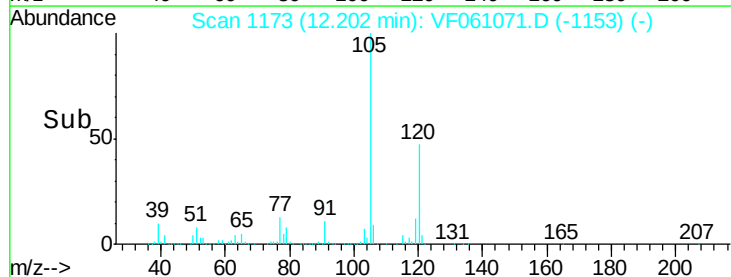
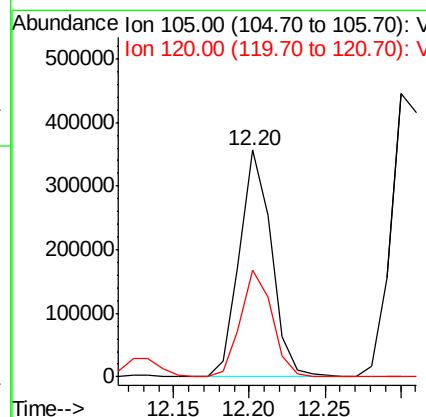
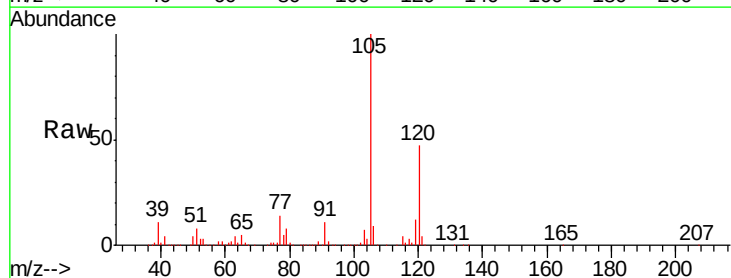
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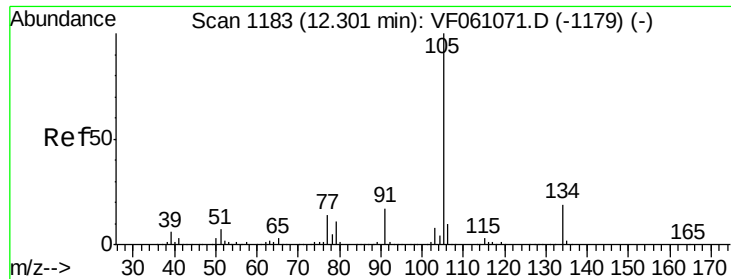
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.834 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	524681		
120	47.3	23.6	71.0	





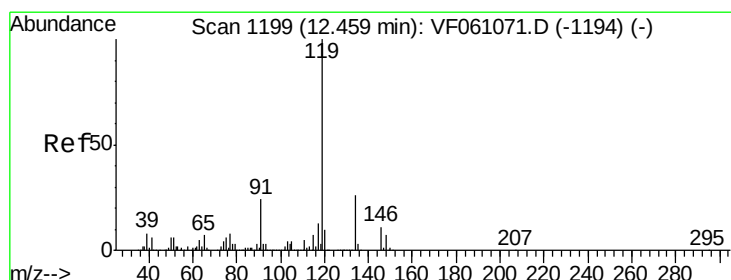
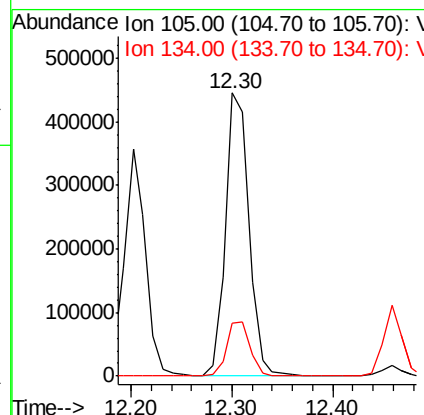
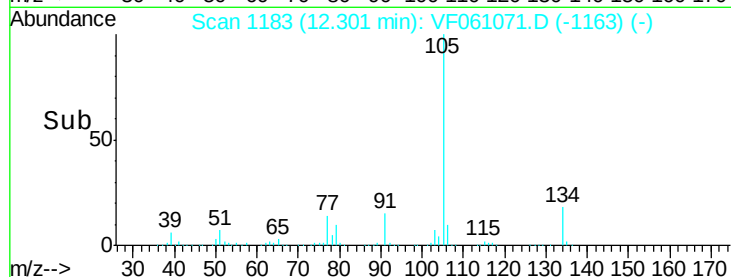
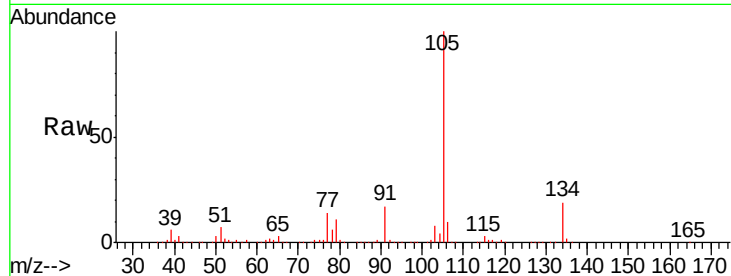
#85
 sec-Butylbenzene
 Concen: 52.699 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 720438
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2

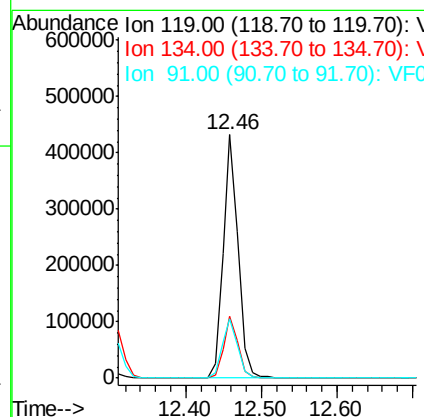
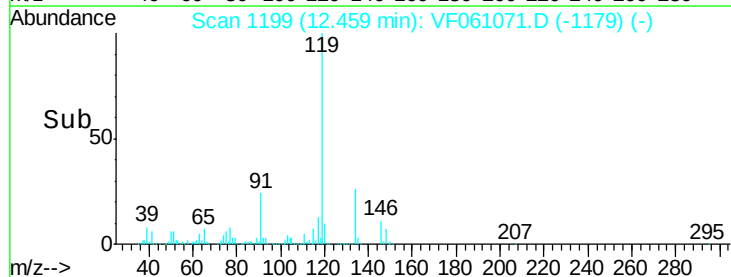
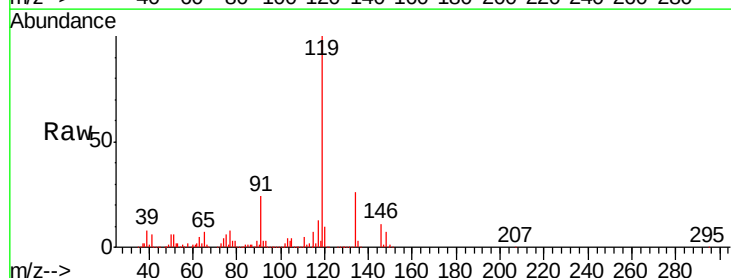
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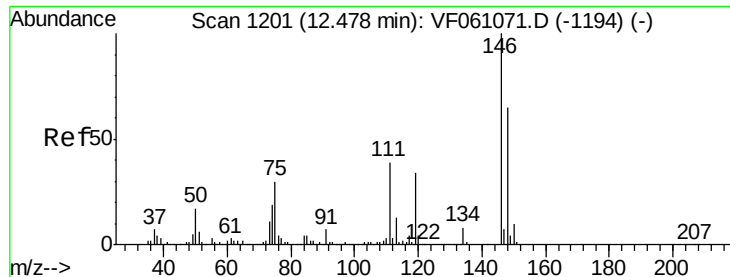
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#86
 p-Isopropyltoluene
 Concen: 52.286 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:119 Resp: 601208
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.4 12.2 36.6





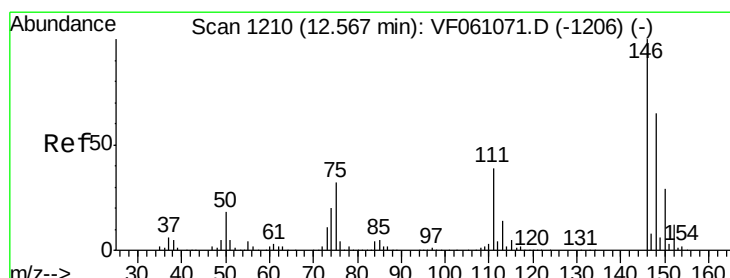
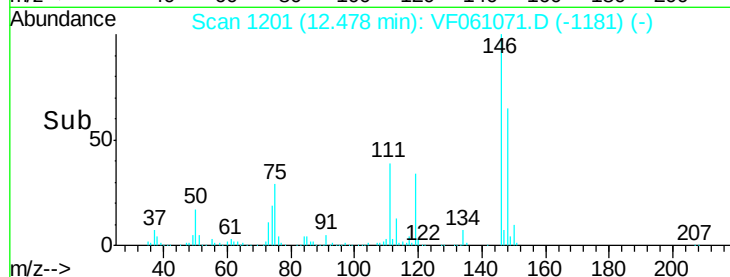
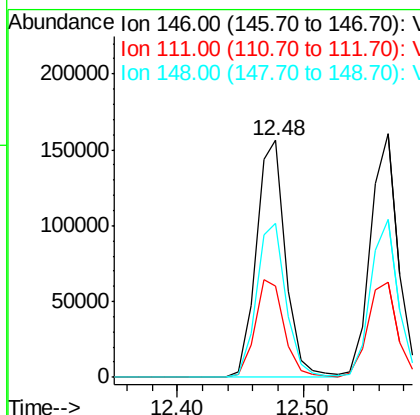
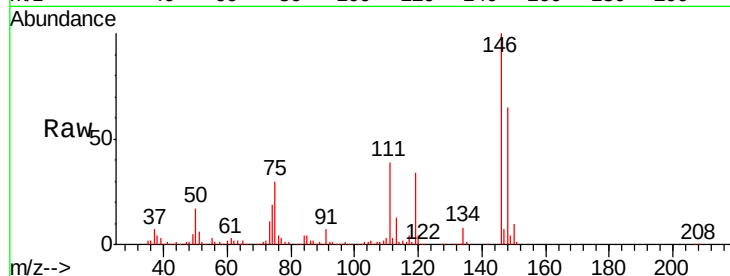
#87
 1,3-Dichlorobenzene
 Concen: 50.804 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.8	32.4	97.2

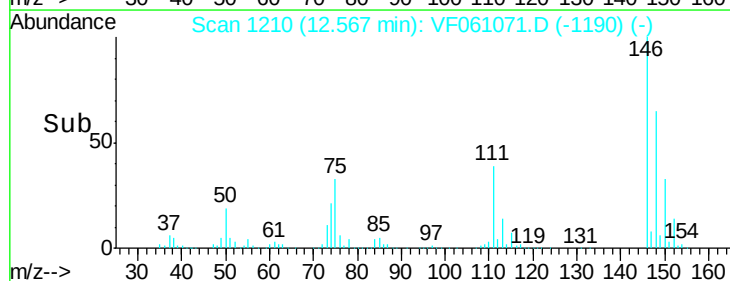
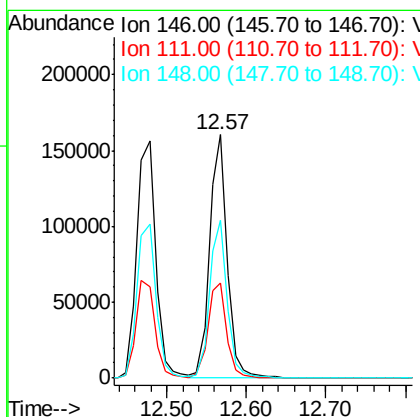
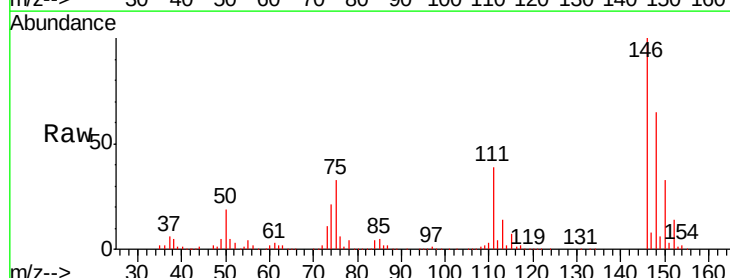
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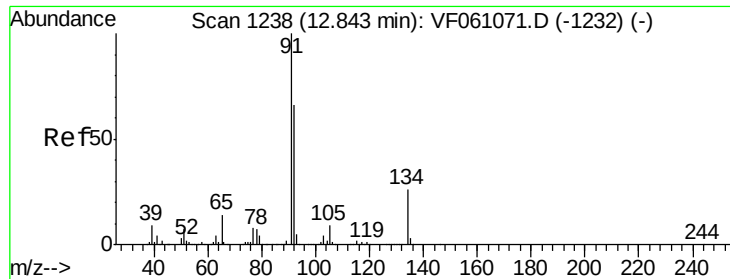
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#88
 1,4-Dichlorobenzene
 Concen: 51.153 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.7	32.4	97.0





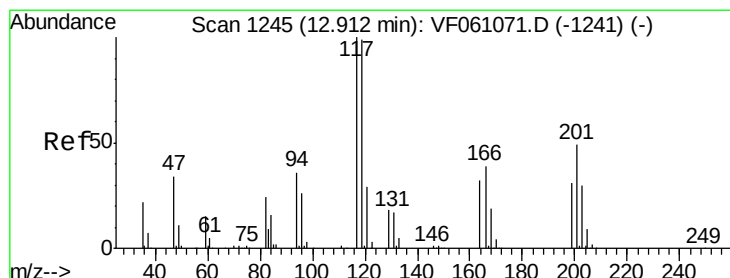
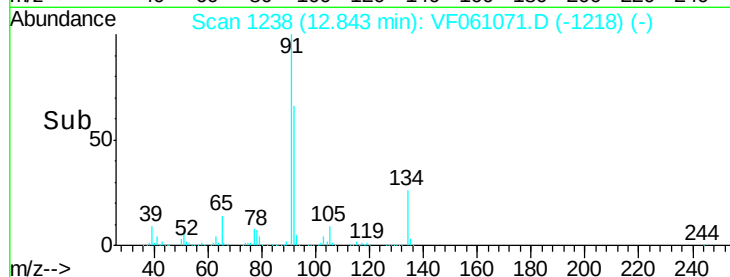
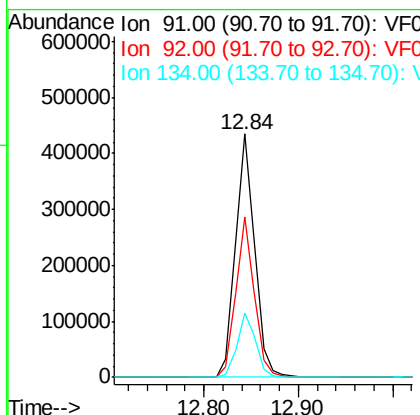
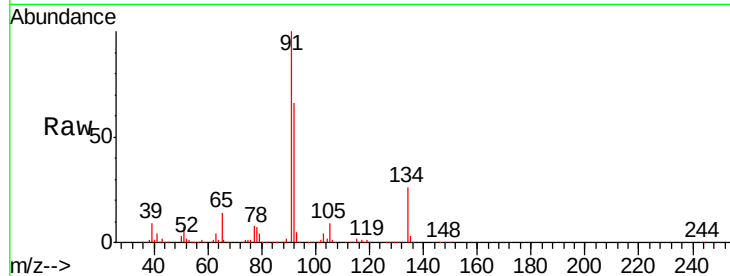
#89
n-Butylbenzene
Concen: 53.188 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.6	32.8	98.4
134	26.3	13.2	39.5

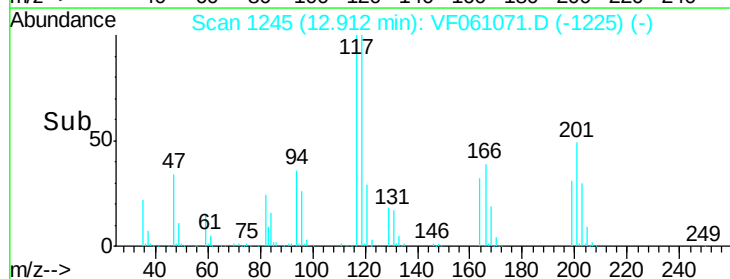
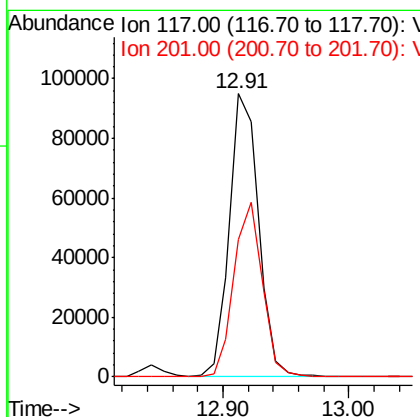
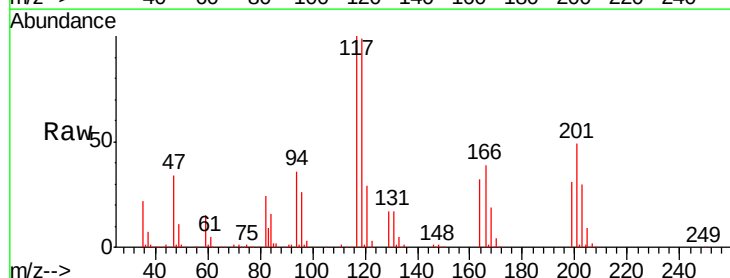
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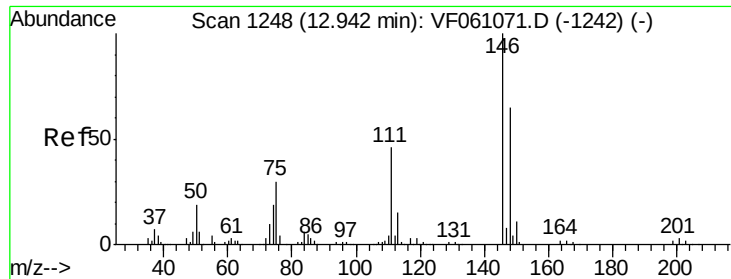
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#90
Hexachloroethane
Concen: 54.774 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	49.9	24.9	74.8





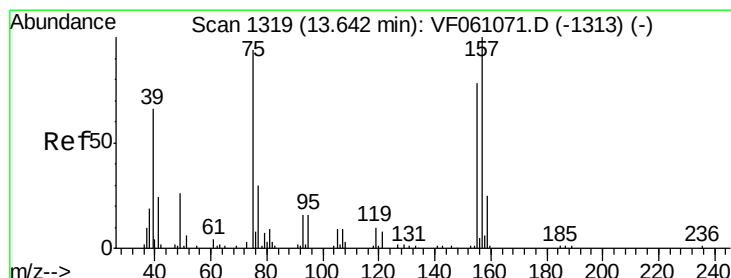
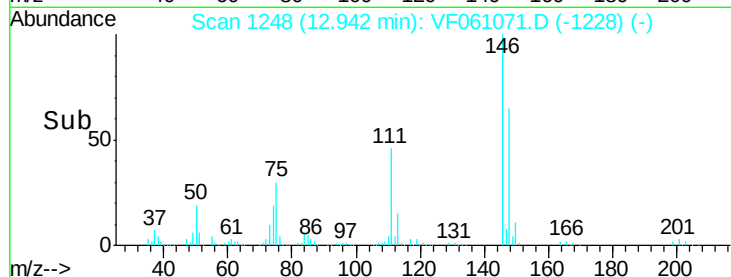
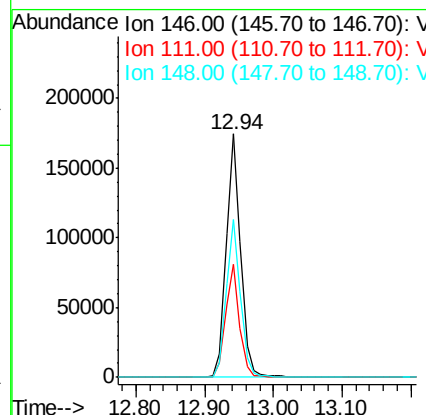
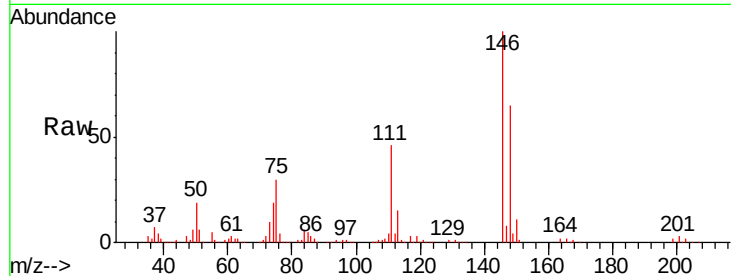
#91
 1,2-Dichlorobenzene
 Concen: 53.436 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	254151		
111	46.3	23.2	69.5	
148	64.7	32.4	97.0	

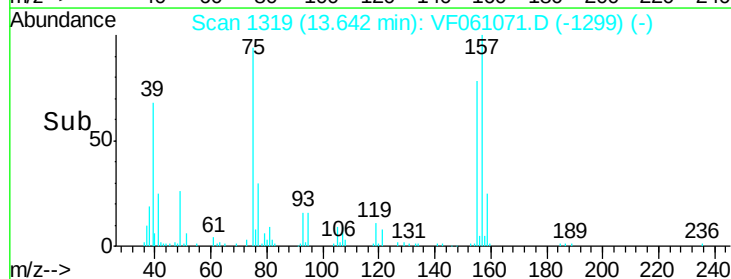
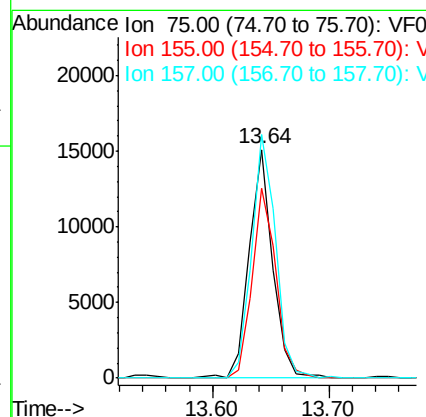
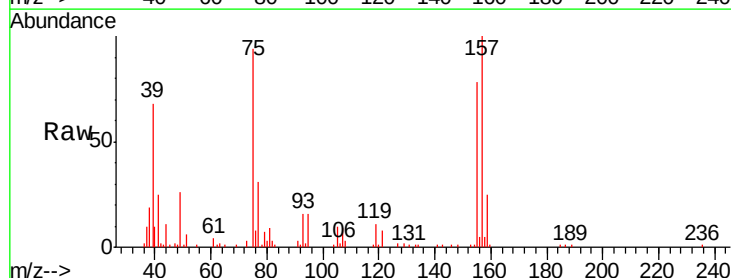
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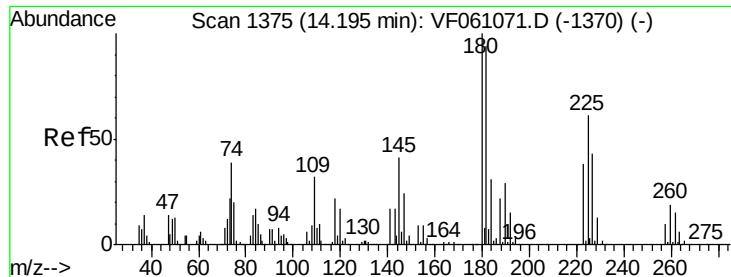
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.844 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21137		
155	83.0	41.5	124.5	
157	106.4	53.2	159.6	





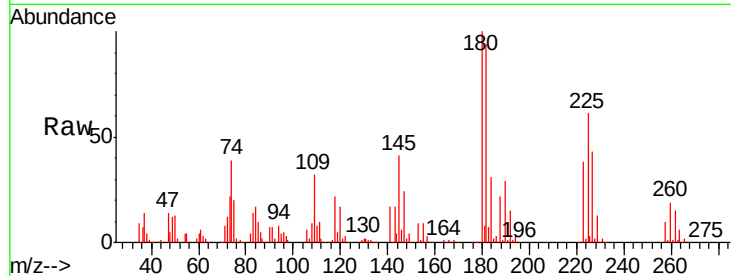
#93
 1,2,4-Trichlorobenzene
 Concen: 53.006 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

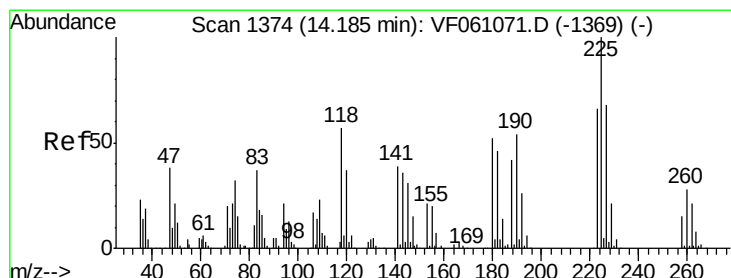
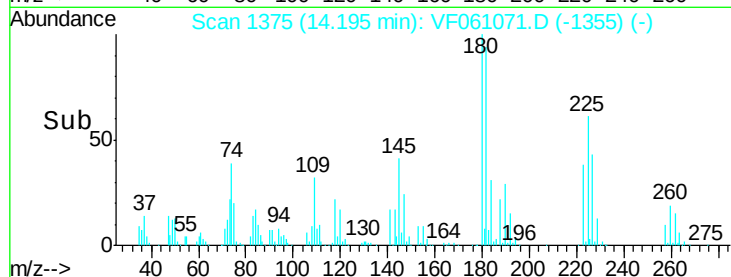
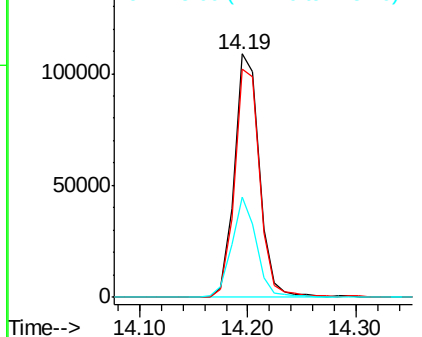
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	176299		
182	93.7	46.9	140.6	
145	41.1	20.5	61.6	

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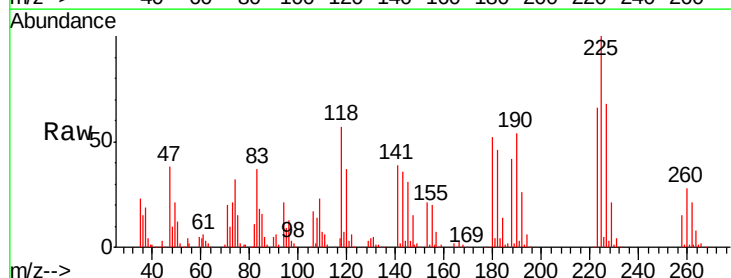


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

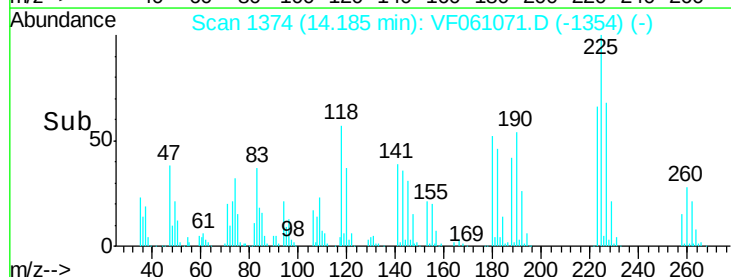
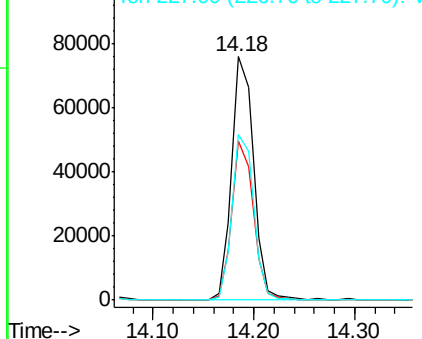


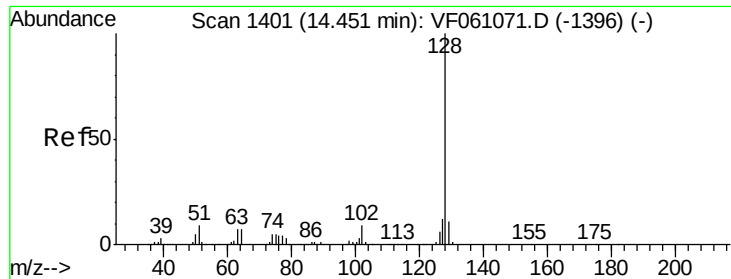
#94
 Hexachlorobutadiene
 Concen: 52.054 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115265		
223	65.5	32.8	98.3	
227	67.9	34.0	101.8	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





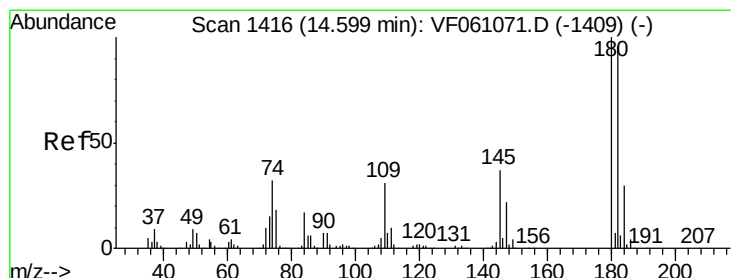
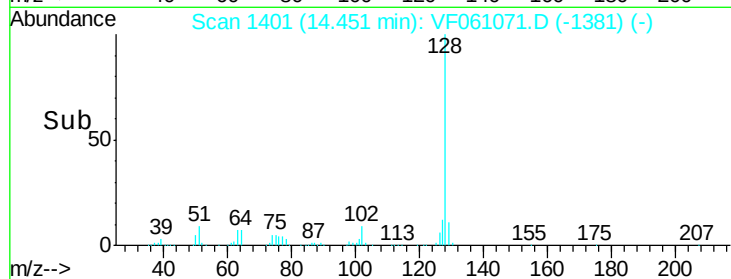
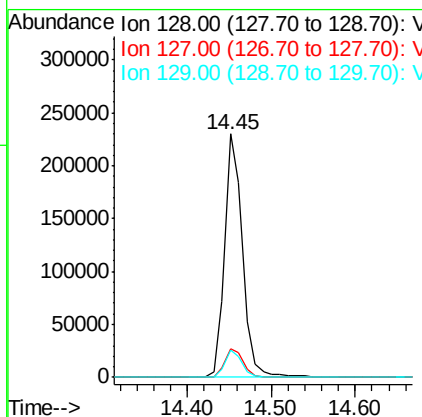
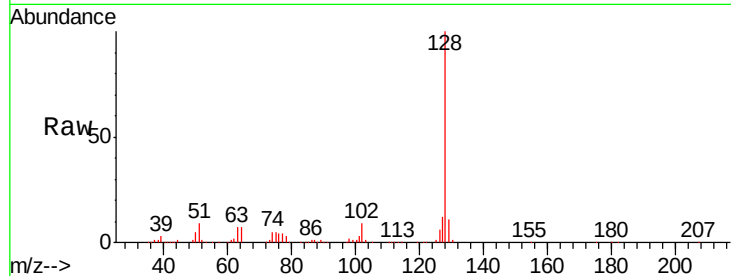
#95
Naphthalene
Concen: 46.656 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	340639		
127	11.8	9.4	14.2	
129	11.0	8.8	13.2	

Manual Integrations
APPROVED

apatel
12/20/2018 10:28:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.309 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	176225		
182	95.9	47.9	143.8	
145	37.2	18.6	55.8	

