

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061073.D
 Acq On : 18 Dec 2018 20:49
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/20/2018 10:29:01 AM

Quant Time: Dec 19 06:29:50 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	198523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	343951	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	328419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	159106	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	252595	108.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.44%	
35) Dibromofluoromethane	4.11	113	255909	95.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.10%	
50) Toluene-d8	7.55	98	703381	88.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.90%	
62) 4-Bromofluorobenzene	11.41	95	335969	93.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	379660	117.810	ug/l	98
3) Chloromethane	1.10	50	227766	110.279	ug/l	99
4) Vinyl Chloride	1.14	62	211586	110.688	ug/l	90
5) Bromomethane	1.34	94	147843	111.238	ug/l	99
6) Chloroethane	1.39	64	93247	113.168	ug/l	92
7) Trichlorofluoromethane	1.49	101	397711	100.352	ug/l	98
8) Diethyl Ether	1.63	74	58958	103.932	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	205590	102.739	ug/l	95
10) Methyl Iodide	1.90	142	342591m	111.750	ug/l	
11) Tert butyl alcohol	2.58	59	44841	463.339	ug/l	99
12) 1,1-Dichloroethene	1.79	96	157373	97.862	ug/l	96
13) Acrolein	2.00	56	35096	417.677	ug/l #	70
14) Allyl chloride	2.09	41	163343	87.098	ug/l	93
15) Acrylonitrile	2.94	53	106573	481.143	ug/l	97
16) Acetone	2.24	43	211544	472.528	ug/l	97
17) Carbon Disulfide	1.84	76	486190m	110.249	ug/l	
18) Methyl Acetate	2.35	43	83380	100.577	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	341930	95.221	ug/l	100
20) Methylene Chloride	2.25	84	148468m	96.820	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	164065m	105.797	ug/l	
22) Diisopropyl ether	2.80	45	557661	102.664	ug/l	95
23) Vinyl Acetate	3.18	43	1227615	492.417	ug/l	98
24) 1,1-Dichloroethane	2.87	63	322719	100.004	ug/l	99
25) 2-Butanone	4.34	43	342878	452.765	ug/l	92
26) 2,2-Dichloropropane	3.60	77	178869	87.631	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	250290	99.578	ug/l	97
28) Bromochloromethane	3.72	49	166302	104.977	ug/l	98
29) Tetrahydrofuran	4.07	42	138511	433.693	ug/l	96
30) Chloroform	3.86	83	464050	93.135	ug/l	98
31) Cyclohexane	3.69	56	322097m	95.163	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	314261m	95.284	ug/l	
36) 1,1-Dichloropropene	4.28	75	358946	93.196	ug/l	97
37) Ethyl Acetate	4.11	43	132556	85.199	ug/l #	99
38) Carbon Tetrachloride	3.98	117	274999	84.326	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	294627m	73.588	ug/l	
40) Benzene	4.62	78	747084	88.178	ug/l	96
41) Methacrylonitrile	4.75	41	74533	80.923	ug/l	94
42) 1,2-Dichloroethane	4.94	62	304178	98.474	ug/l	98
43) Isopropyl Acetate	6.96	43	182936	87.660	ug/l #	95
44) Trichloroethene	5.50	130	234429	84.836	ug/l	97
45) 1,2-Dichloropropane	6.23	63	205612	93.815	ug/l	100
46) Dibromomethane	6.08	93	147260	99.199	ug/l	90
47) Bromodichloromethane	6.38	83	364347	92.182	ug/l	98
48) Methyl methacrylate	6.72	41	132191	94.773	ug/l	94
49) 1,4-Dioxane	6.71	88	17867	1771.619	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	568832	401.359	ug/l	98
52) Toluene	7.62	92	500976	84.452	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	285705	89.532	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	359152	91.203	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	153694	90.035	ug/l	96
56) Ethyl methacrylate	8.62	69	176085	93.543	ug/l	96
57) 1,3-Dichloropropane	8.85	76	277834	92.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	176764	793.126	ug/l	96
59) 2-Hexanone	9.49	43	399374	398.761	ug/l	100
60) Dibromochloromethane	8.72	129	238495	93.543	ug/l	97
61) 1,2-Dibromoethane	8.98	107	167680	90.364	ug/l	93
64) Tetrachloroethene	8.15	164	211253	83.917	ug/l	99
65) Chlorobenzene	9.79	112	585059	92.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	229843	84.571	ug/l	95
67) Ethyl Benzene	9.90	91	1024698	86.520	ug/l	97
68) m/p-Xylenes	10.13	106	694206	162.409	ug/l	93
69) o-Xylene	10.71	106	407515	86.619	ug/l	89
70) Styrene	10.79	104	533904	82.449	ug/l	99
71) Bromoform	10.77	173	112580	86.182	ug/l #	99
73) Isopropylbenzene	11.13	105	1127006	88.459	ug/l	99
74) N-amyl acetate	11.37	43	259916	89.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	185897	88.972	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	139105	90.911	ug/l	100
77) Bromobenzene	11.49	156	250052	90.733	ug/l	98
78) n-propylbenzene	11.60	91	1267336	84.895	ug/l	94
79) 2-Chlorotoluene	11.72	91	769320	89.766	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	915852	88.616	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	65623m	89.142	ug/l	
82) 4-Chlorotoluene	11.89	91	816971	90.918	ug/l	98
83) tert-Butylbenzene	12.13	119	930040	87.973	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	903541	88.439	ug/l	99
85) sec-Butylbenzene	12.31	105	1239543	86.498	ug/l	95
86) p-Isopropyltoluene	12.46	119	986690m	81.861	ug/l	
87) 1,3-Dichlorobenzene	12.48	146	439745	83.899	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	462862	90.564	ug/l	97
89) n-Butylbenzene	12.84	91	966040	79.635	ug/l	99
90) Hexachloroethane	12.92	117	271483	93.901	ug/l	71
91) 1,2-Dichlorobenzene	12.94	146	415499	83.339	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	38779	95.989	ug/l	95

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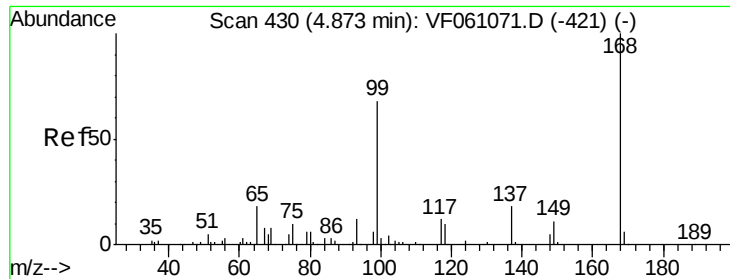
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	314339	90.159	ug/l	93
94) Hexachlorobutadiene	14.19	225	208330	89.752	ug/l	96
95) Naphthalene	14.45	128	623991	81.532	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	299388	91.261	ug/l	97

(#) = 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

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Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 168 Resp: 198523

Ion Ratio Lower Upper

168 100

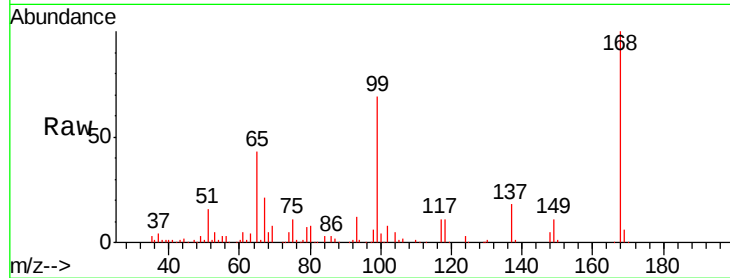
99 68.7 54.4 81.6

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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

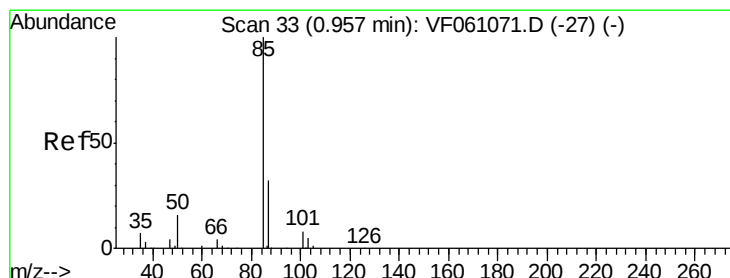
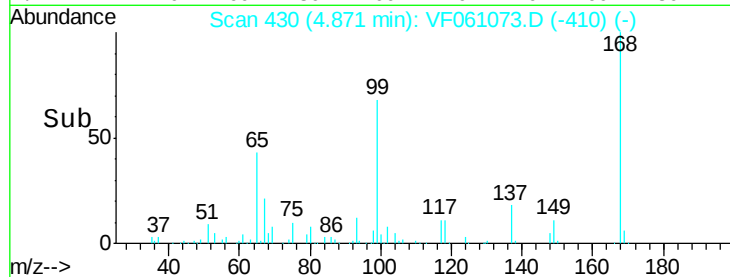
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 117.810 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061073.D

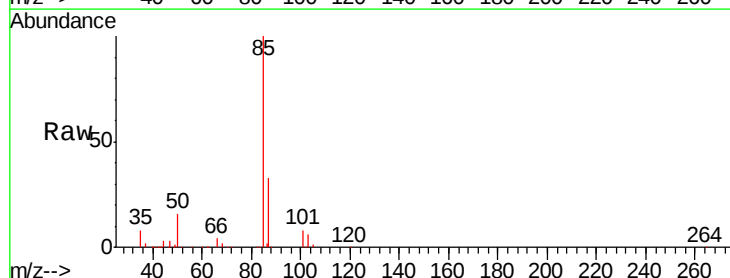
Acq: 18 Dec 2018 20:49

Tgt Ion: 85 Resp: 379660

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

100000

80000

60000

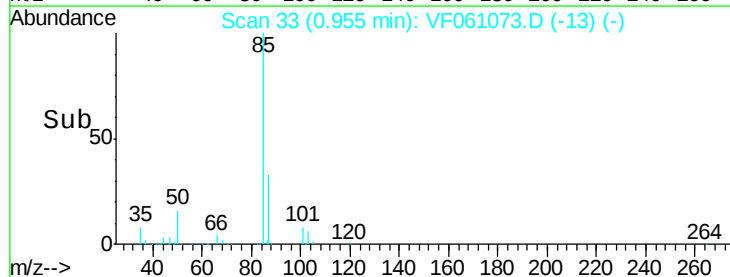
40000

20000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 110.279 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 227766

Ion Ratio Lower Upper

50 100

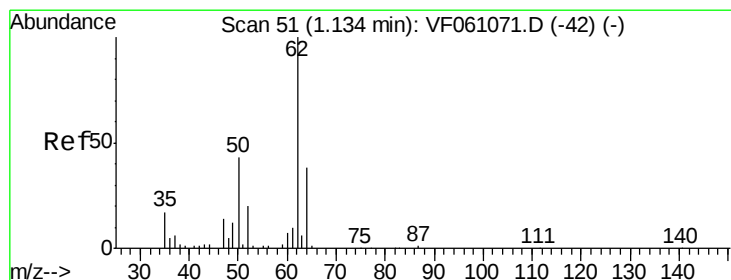
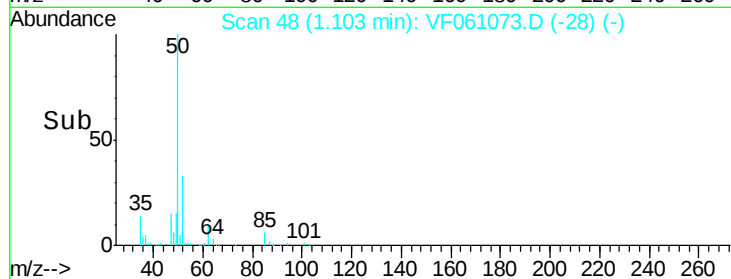
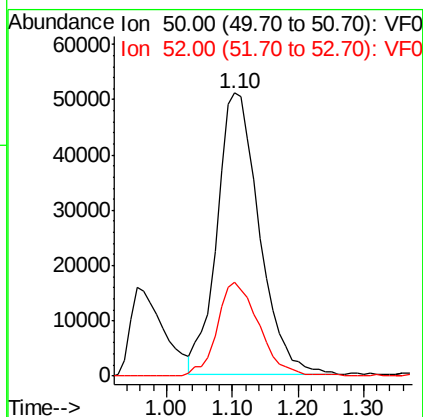
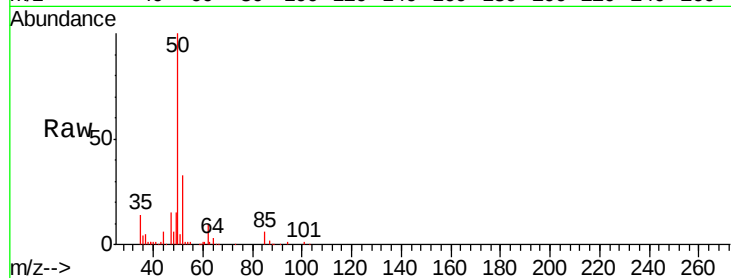
52 33.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 110.688 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061073.D

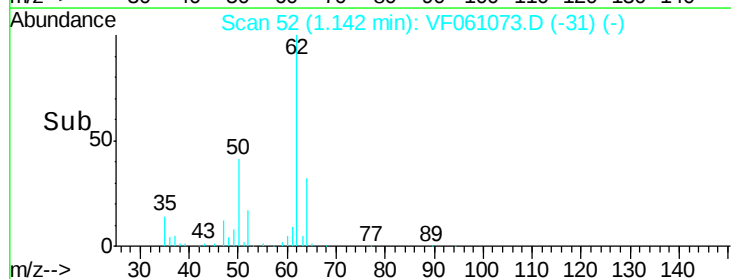
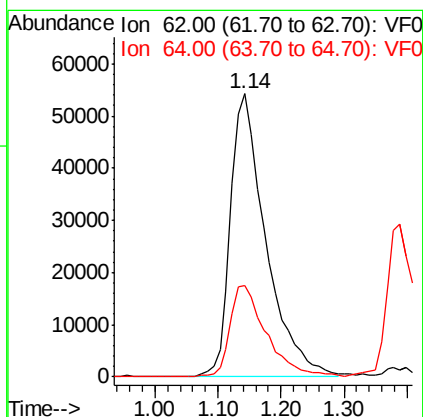
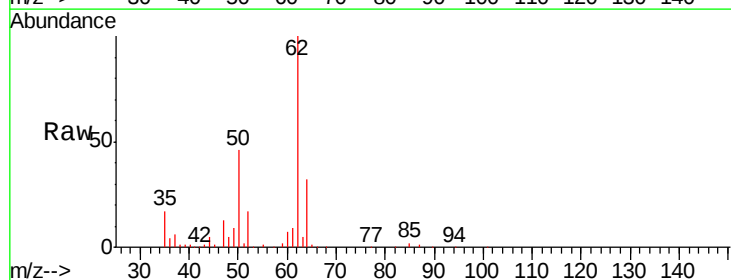
Acq: 18 Dec 2018 20:49

Tgt Ion: 62 Resp: 211586

Ion Ratio Lower Upper

62 100

64 32.1 30.4 45.6





#5

Bromomethane

Concen: 111.238 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 147843

Ion Ratio Lower Upper

94 100

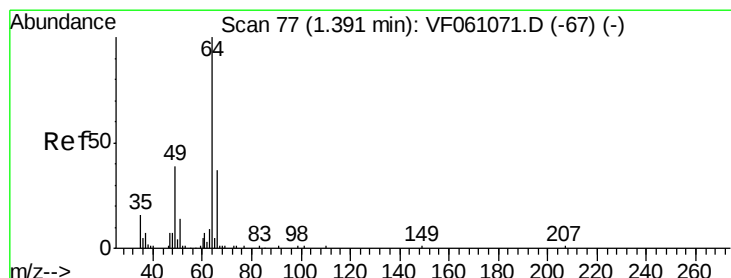
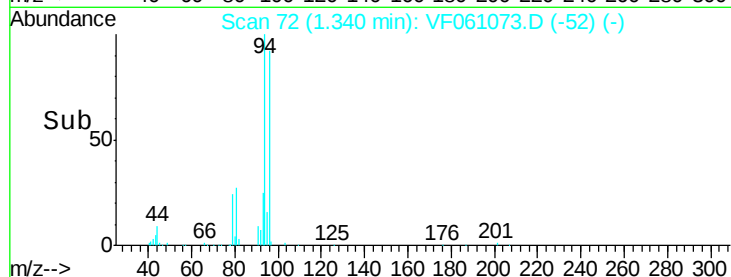
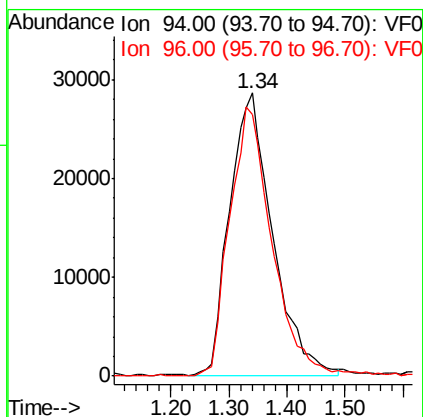
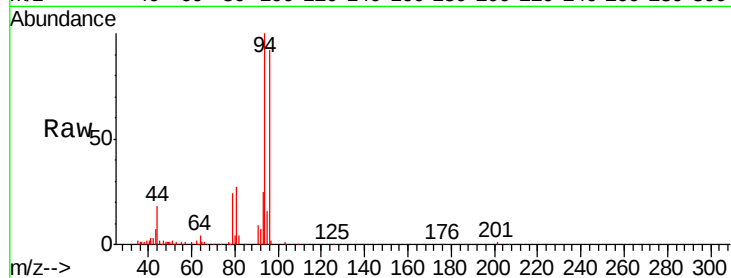
96 92.2 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 113.168 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061073.D

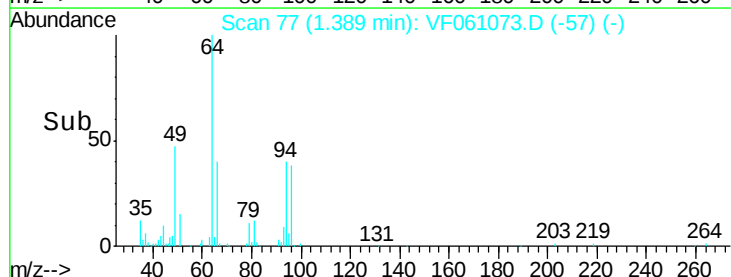
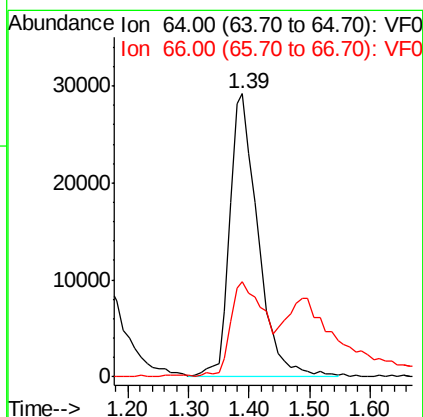
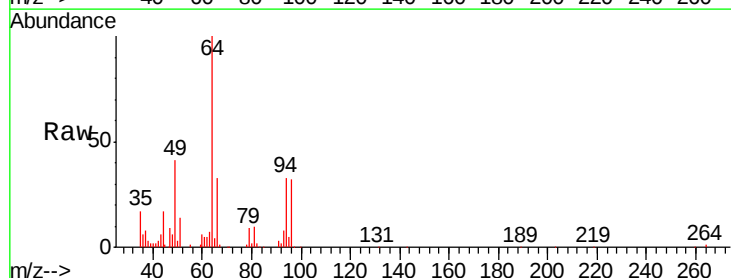
Acq: 18 Dec 2018 20:49

Tgt Ion: 64 Resp: 93247

Ion Ratio Lower Upper

64 100

66 33.5 30.9 46.3





#7

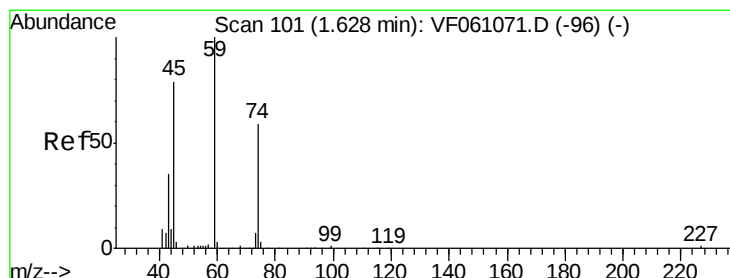
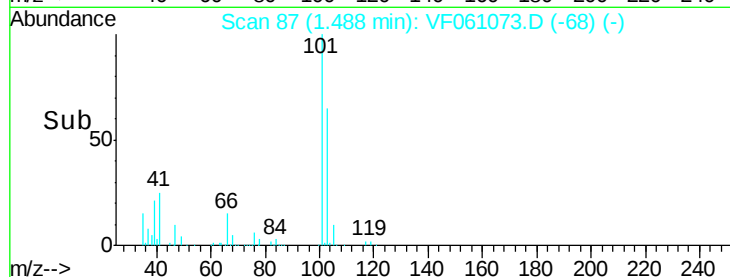
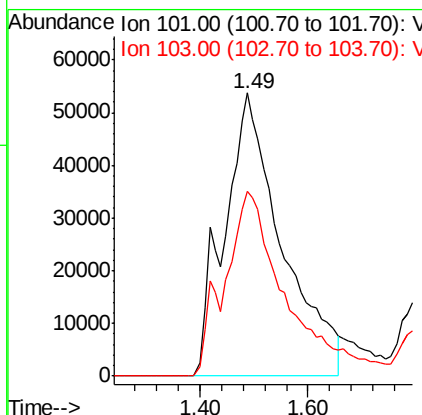
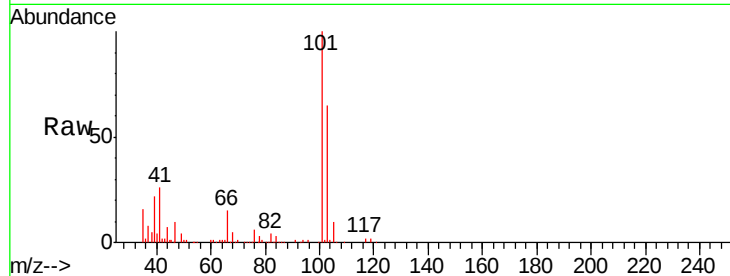
Trichlorofluoromethane
Concen: 100.352 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.7	76.1

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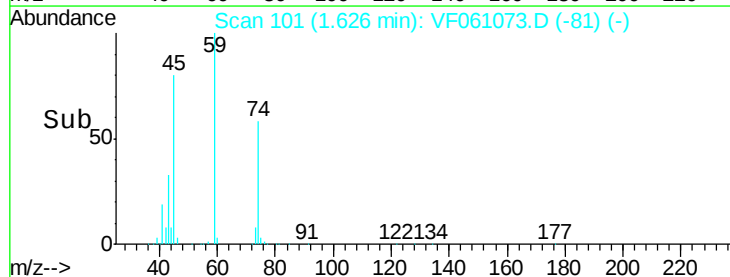
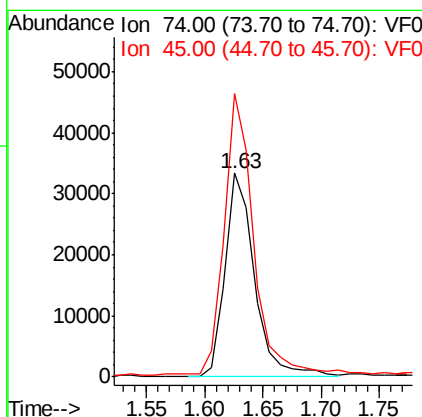
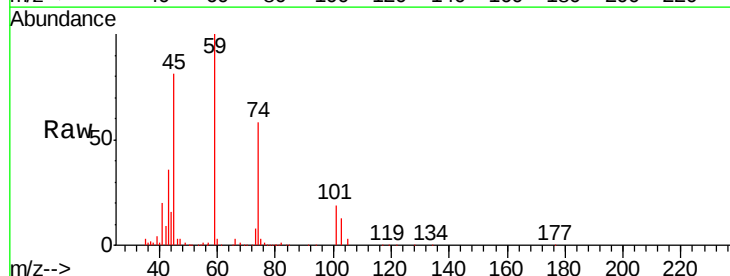
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#8

Diethyl Ether
Concen: 103.932 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.0	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.739 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

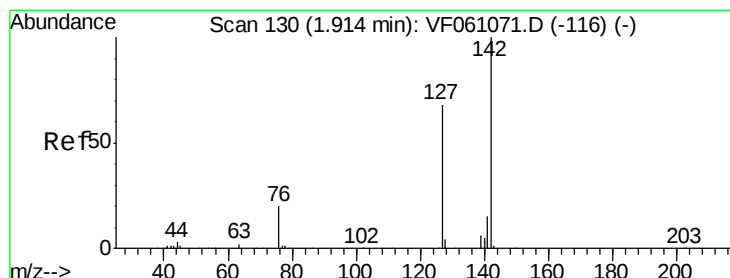
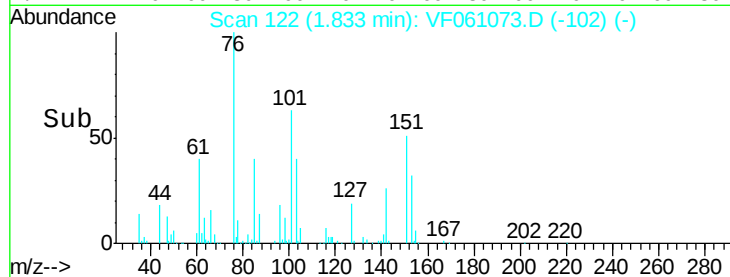
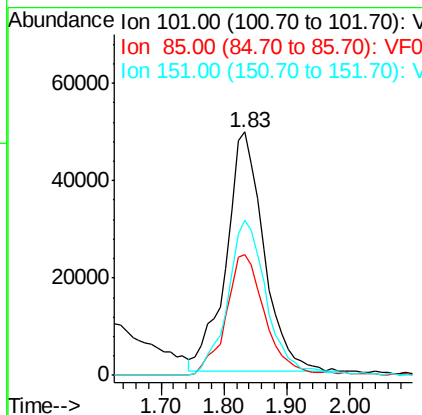
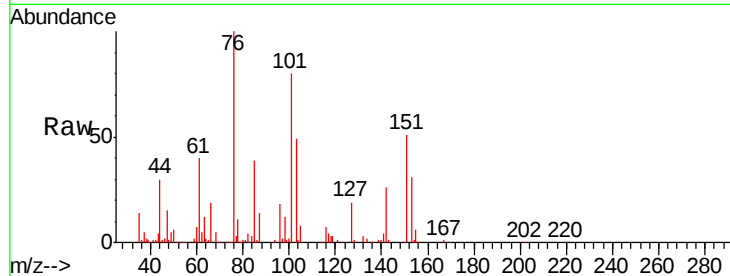
ClientSampleId :

VSTDIC100

Tgt Ion:	101	Resp:	205590
Ion Ratio	Lower	Upper	
101	100		
85	49.4	44.5	66.7
151	63.7	49.9	74.9

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#10

Methyl Iodide

Concen: 111.750 ug/l m

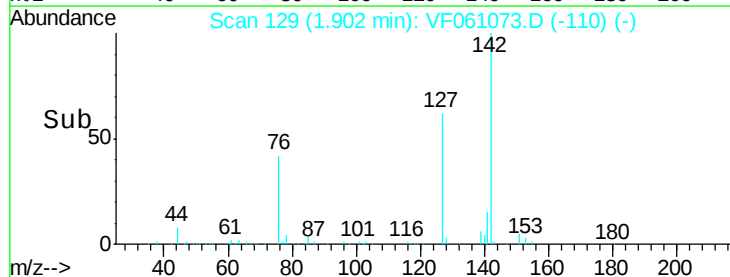
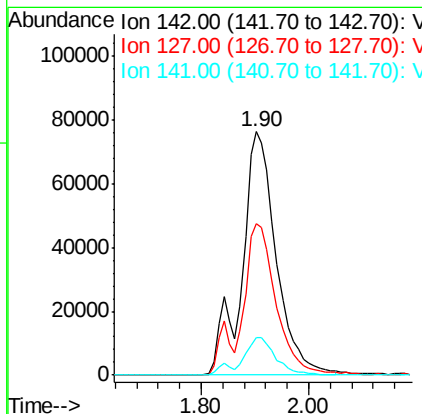
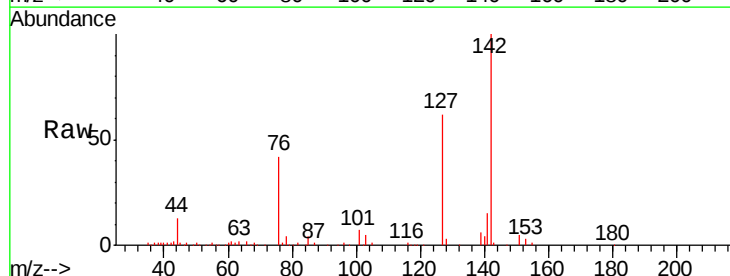
RT: 1.90 min Scan# 129

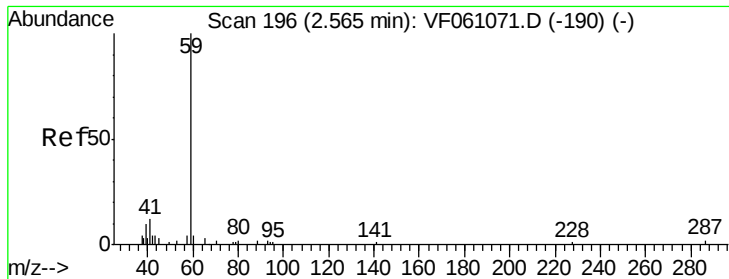
Delta R.T. -0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion:	142	Resp:	342591
Ion Ratio	Lower	Upper	
142	100		
127	62.4	54.7	82.1
141	15.3	12.2	18.2





#11

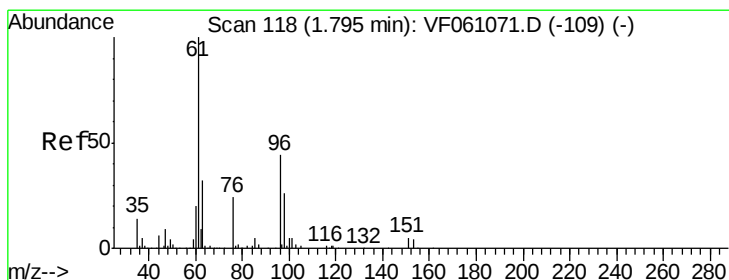
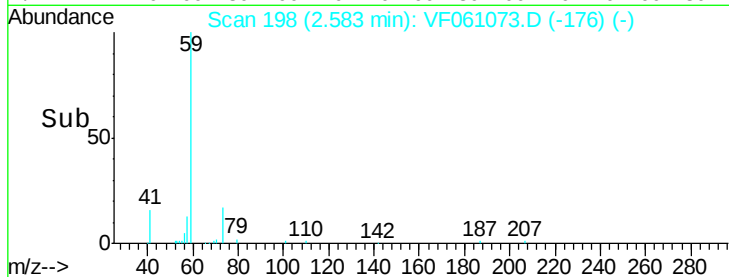
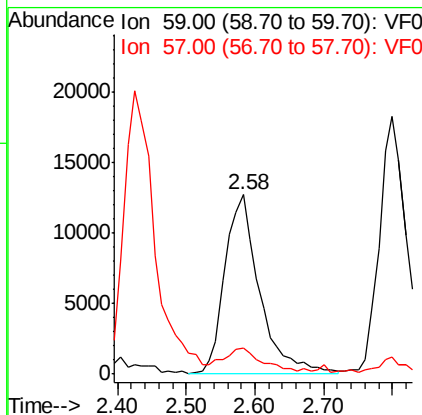
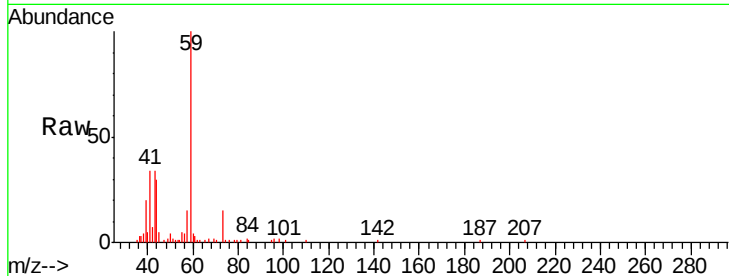
Tert butyl alcohol
Concen: 463.339 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	14.6	11.5	17.3

Manual Integrations
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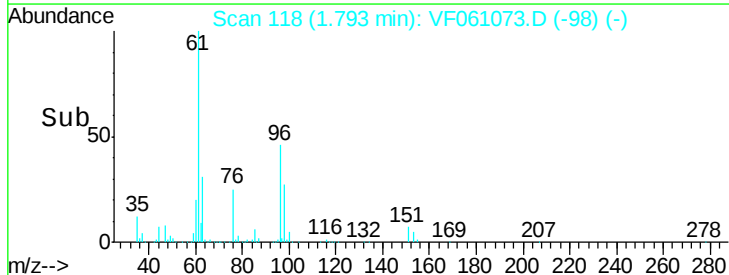
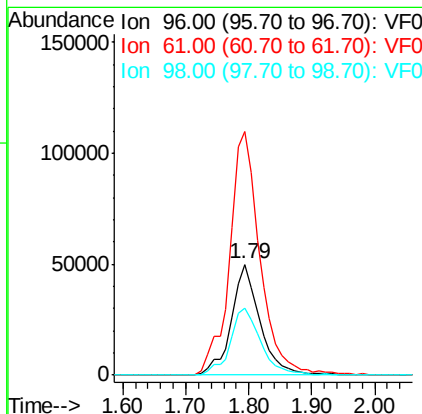
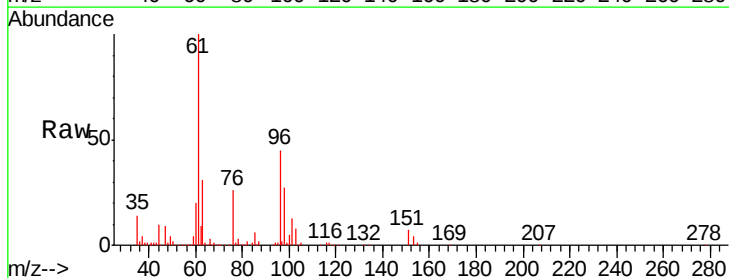
apatel
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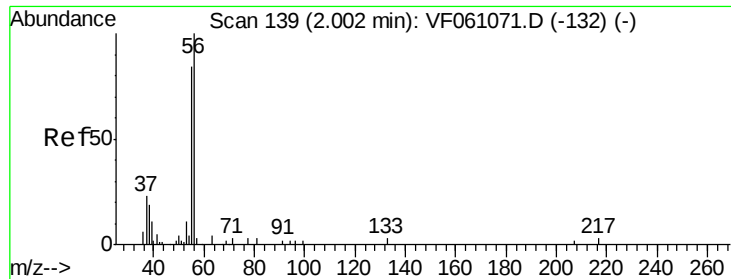


#12

1,1-Dichloroethene
Concen: 97.862 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	219.9	182.0	273.0
98	60.0	46.5	69.7





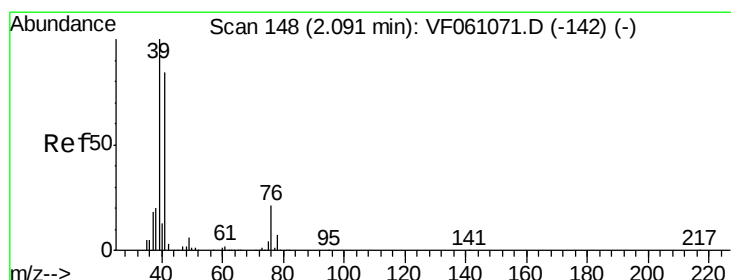
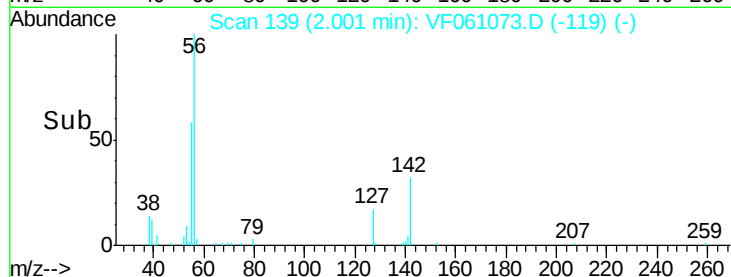
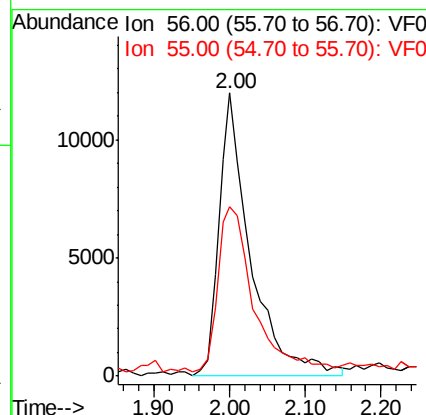
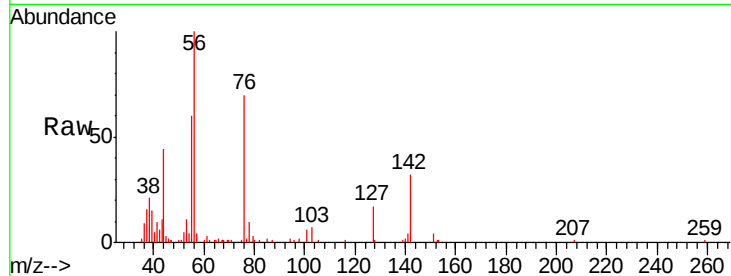
#13
Acrolein
Concen: 417.677 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 35096
Ion Ratio Lower Upper
56 100
55 59.7 70.2 105.2#

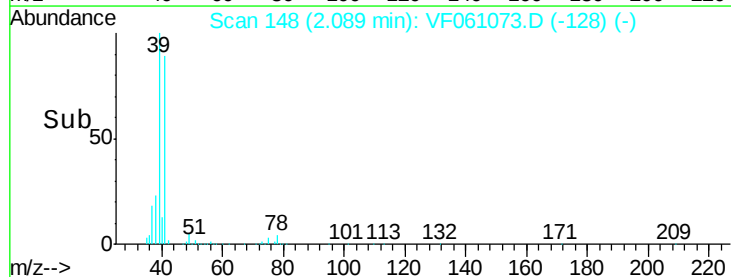
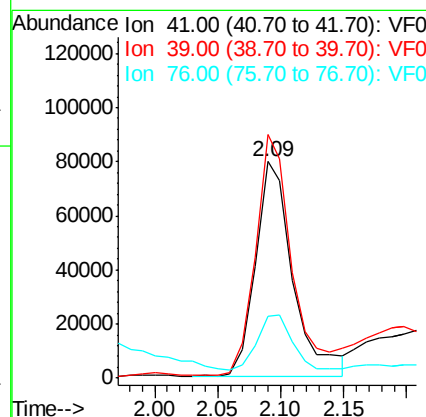
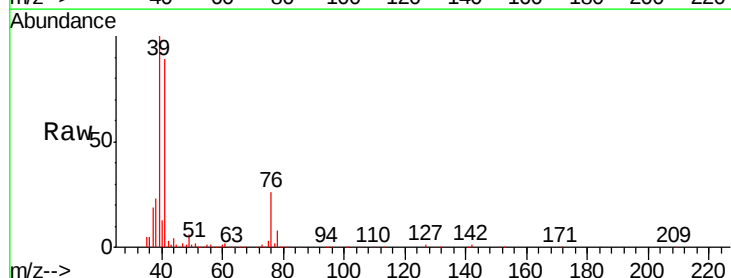
Manual Integrations
APPROVED

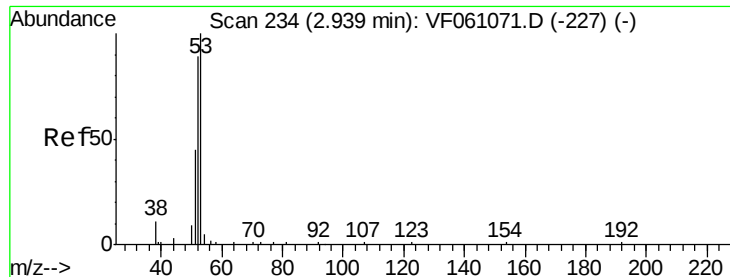
apatel
12/20/2018 10:29:01 AM



#14
Allyl chloride
Concen: 87.098 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 41 Resp: 163343
Ion Ratio Lower Upper
41 100
39 112.6 96.4 144.6
76 28.9 25.4 38.0





#15

Acrylonitrile

Concen: 481.143 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

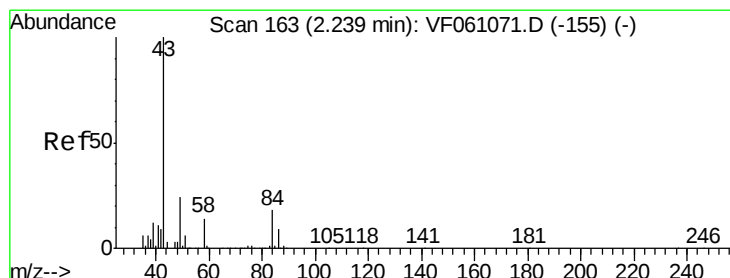
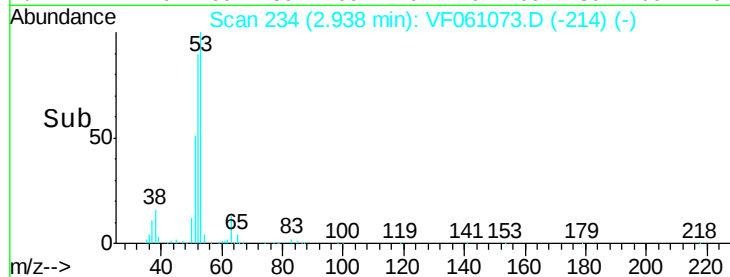
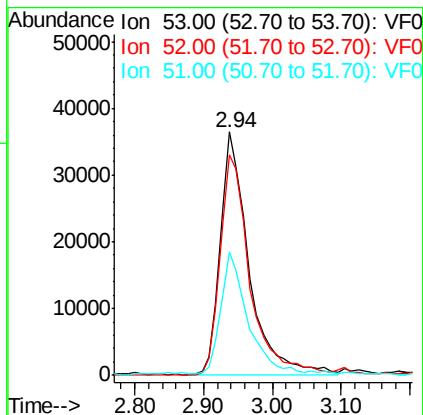
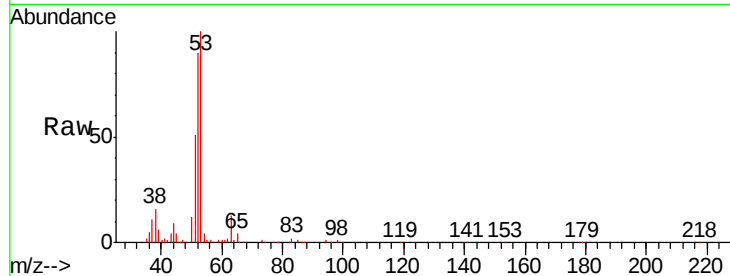
ClientSampleId :

VSTDIC100

Tgt Ion:	53	Resp:	106573
Ion	Ratio	Lower	Upper
53	100		
52	90.4	71.3	106.9
51	50.7	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 472.528 ug/l

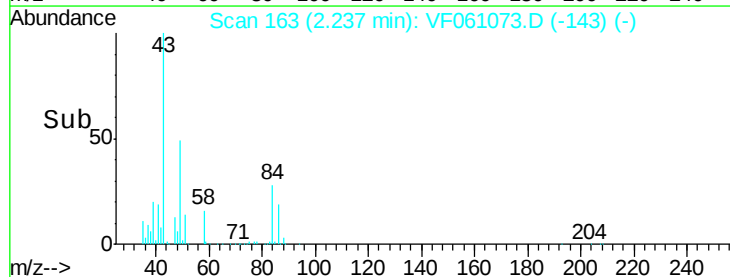
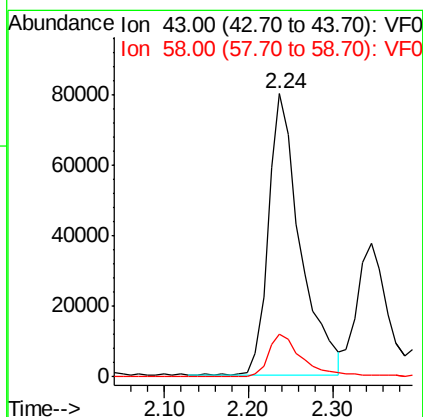
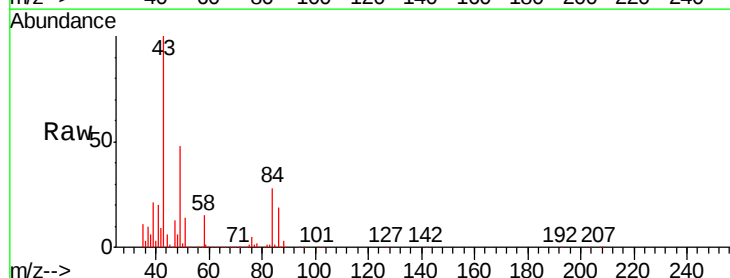
RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion:	43	Resp:	211544
Ion	Ratio	Lower	Upper
43	100		
58	15.3	11.1	16.7





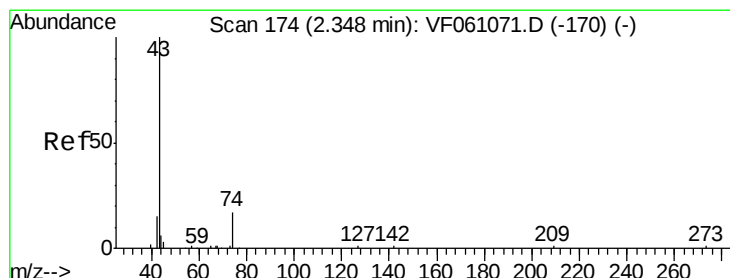
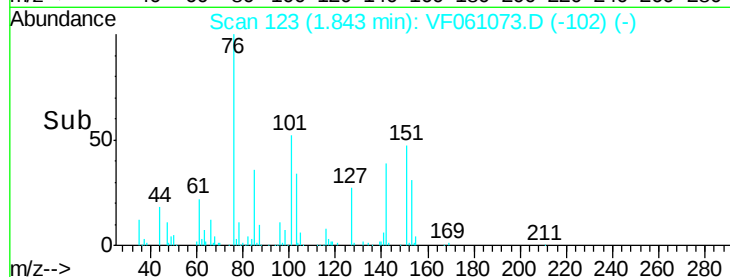
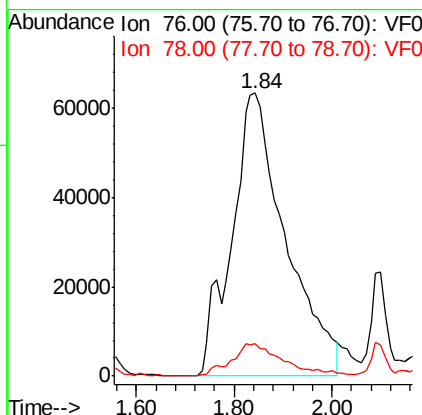
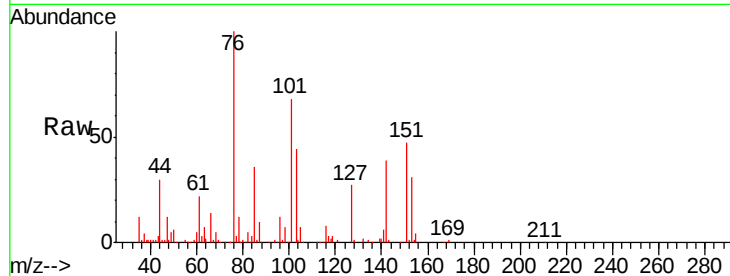
#17
Carbon Disulfide
Concen: 110.249 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 76 Resp: 486190
Ion Ratio Lower Upper
76 100
78 11.6 10.2 15.4

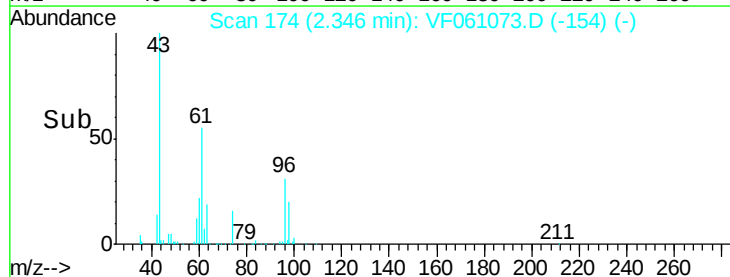
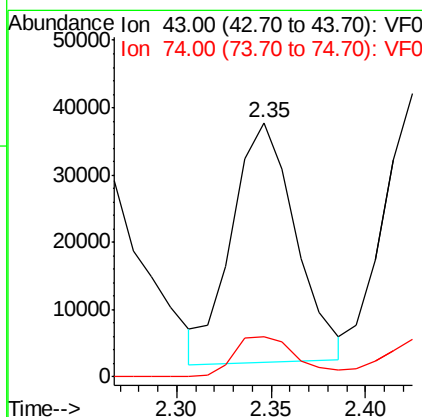
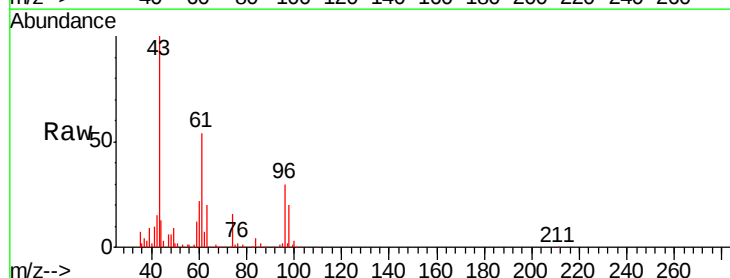
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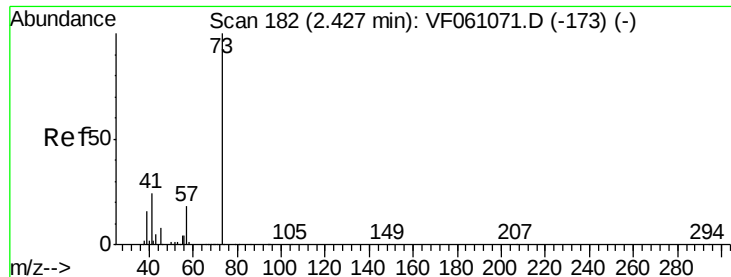
apatel
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#18
Methyl Acetate
Concen: 100.577 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 43 Resp: 83380
Ion Ratio Lower Upper
43 100
74 15.9 11.0 16.6





#19

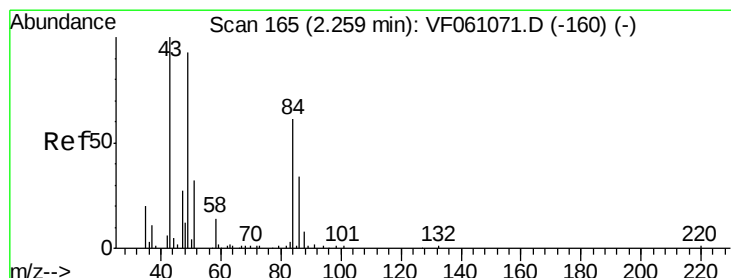
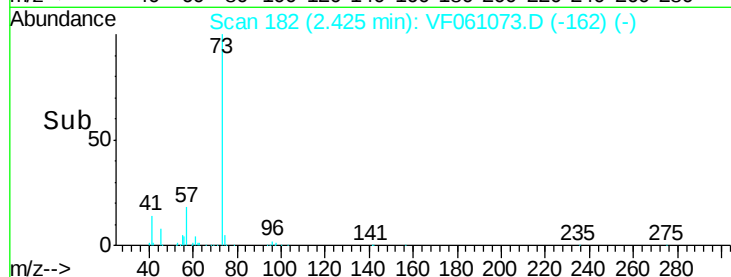
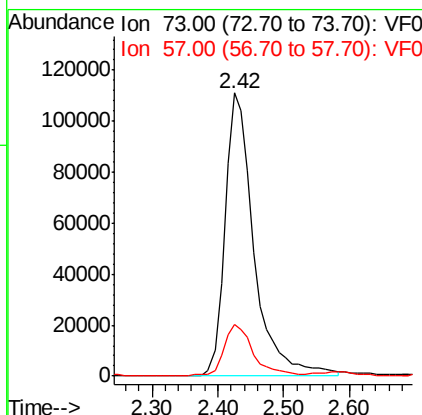
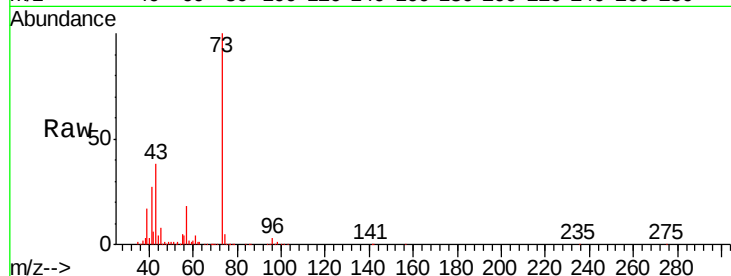
Methyl tert-butyl Ether
Concen: 95.221 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.1	14.5	21.7

Manual Integrations
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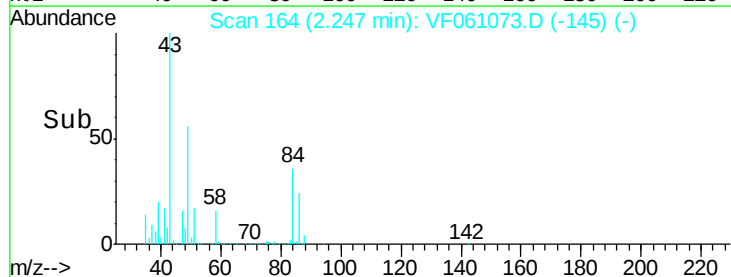
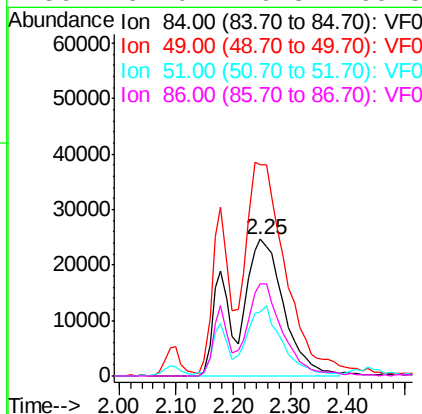
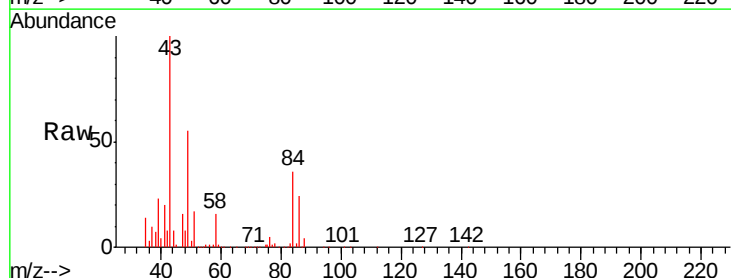
apatel
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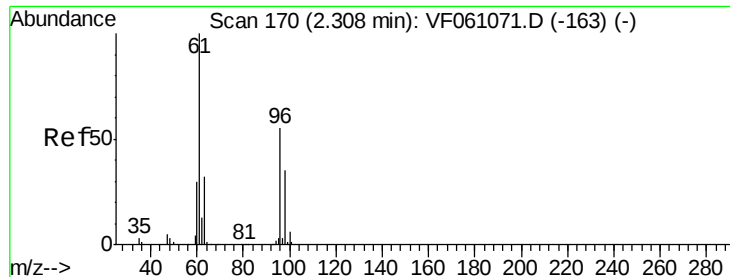


#20

Methylene Chloride
Concen: 96.820 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.4	129.4	194.2
51	47.1	44.0	66.0
86	67.0	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 105.797 ug/l m

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

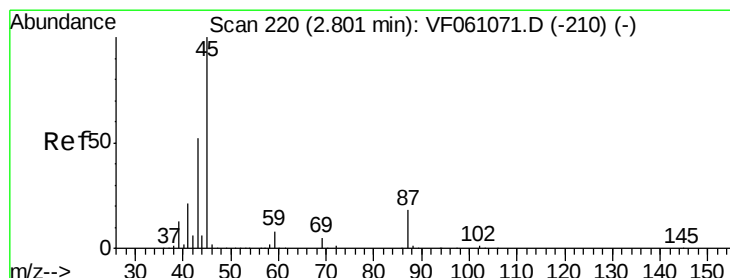
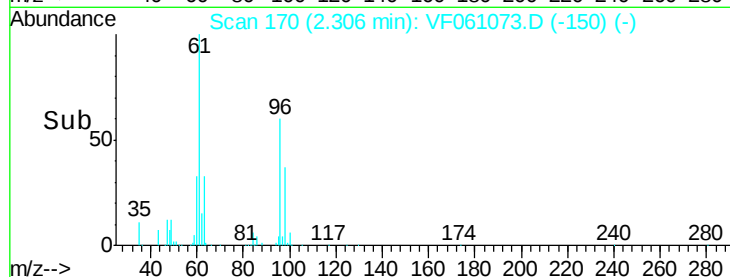
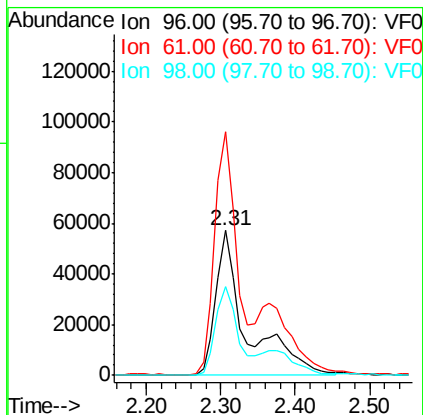
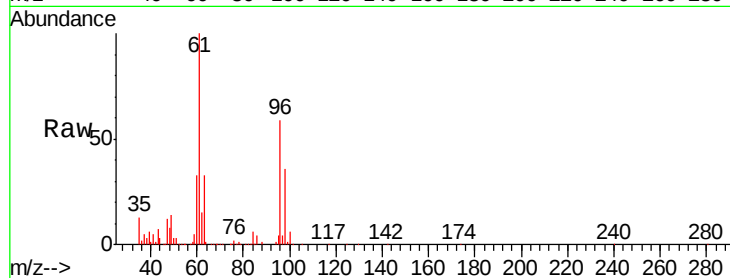
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	164065
Ion	Ratio	Lower	Upper
96	100		
61	168.3	146.0	219.0
98	61.3	51.6	77.4

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#22

Diisopropyl ether

Concen: 102.664 ug/l

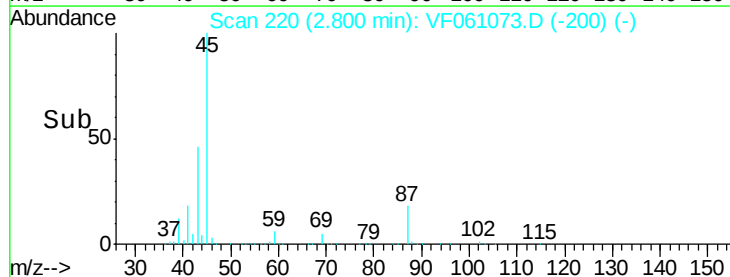
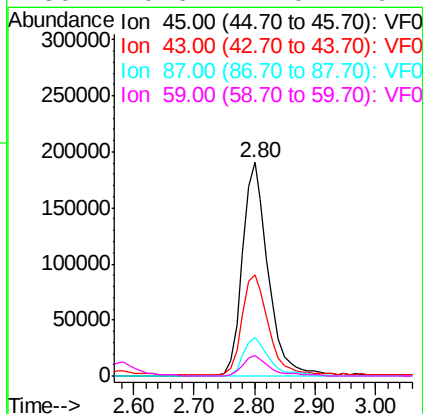
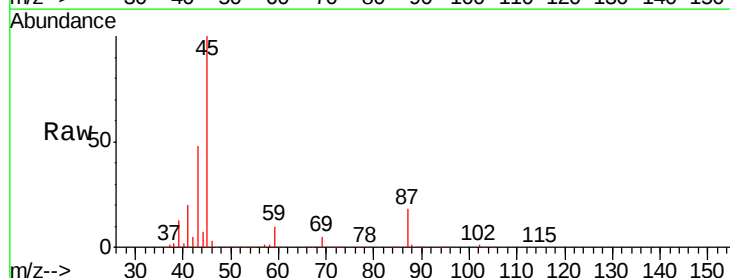
RT: 2.80 min Scan# 220

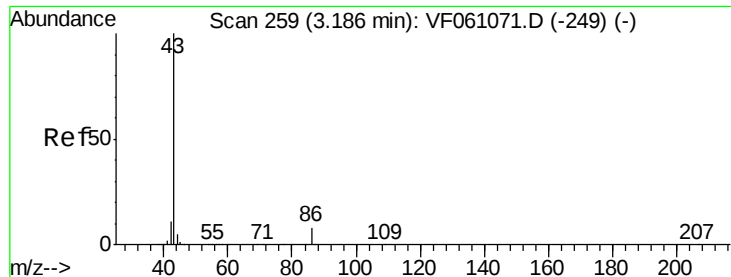
Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion:	45	Resp:	557661
Ion	Ratio	Lower	Upper
45	100		
43	47.6	42.2	63.2
87	18.0	14.6	22.0
59	9.6	7.0	10.4





#23

Vinyl Acetate

Concen: 492.417 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 1227615

Ion Ratio Lower Upper

43 100

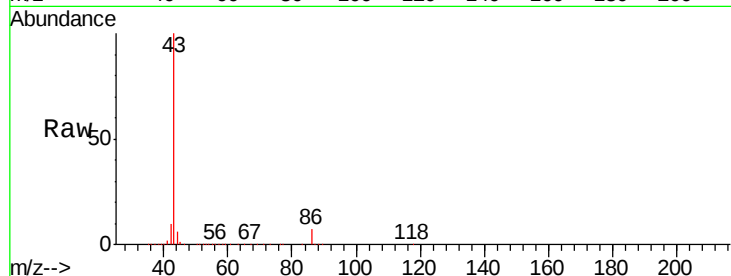
86 7.4 6.3 9.5

Manual Integrations

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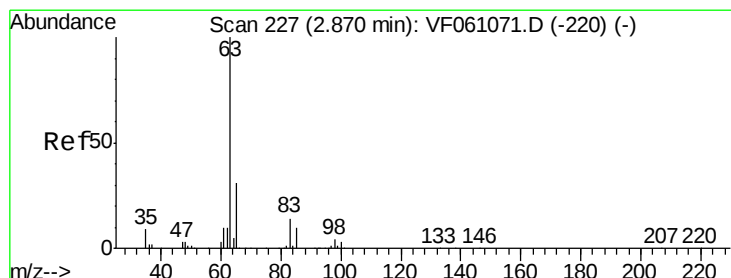
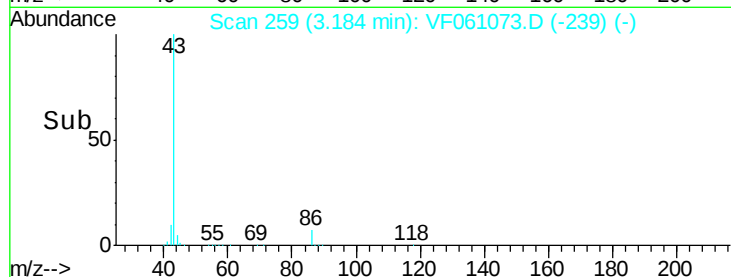
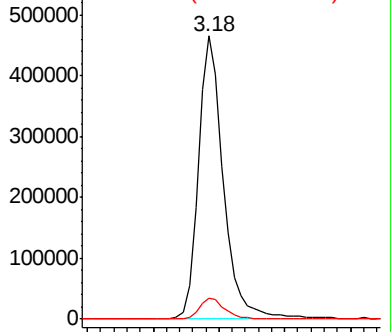
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 100.004 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

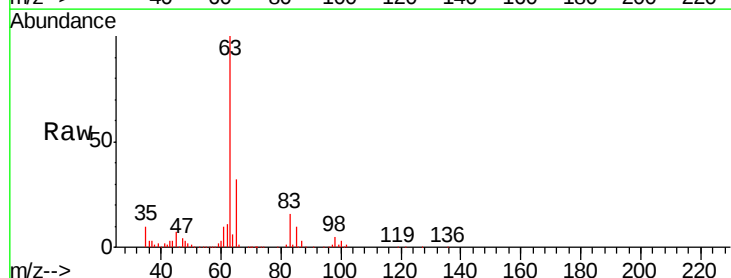
Tgt Ion: 63 Resp: 322719

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

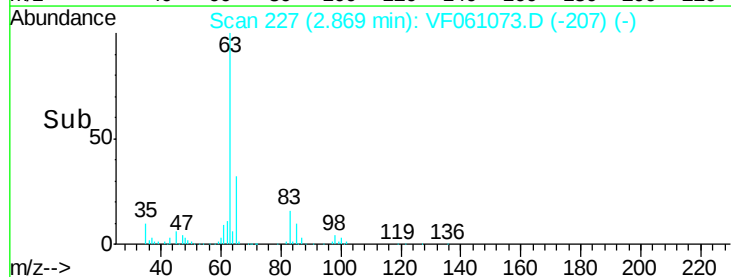
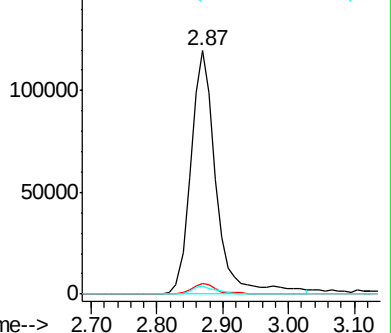
100 3.2 1.7 5.1

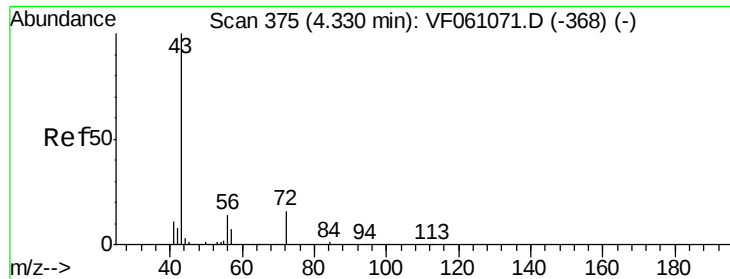


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 452.765 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 342878

Ion Ratio Lower Upper

43 100

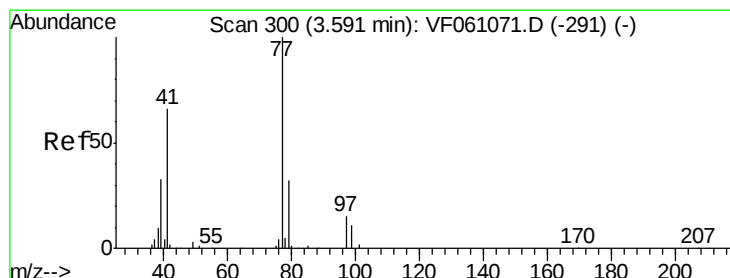
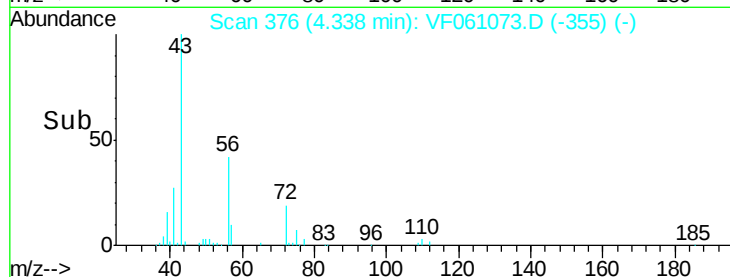
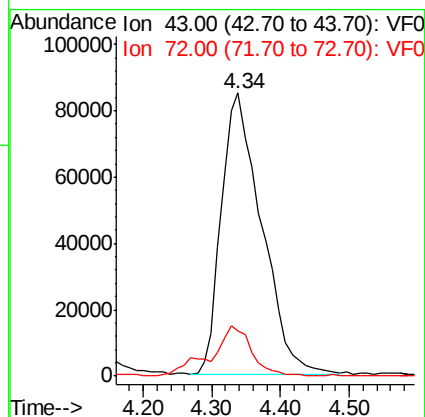
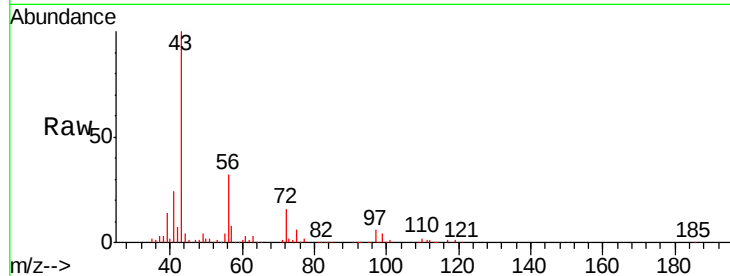
72 15.9 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 87.631 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061073.D

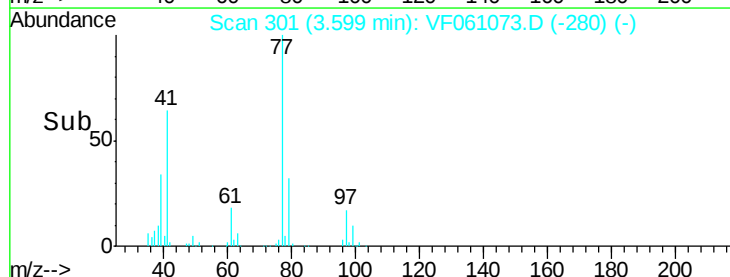
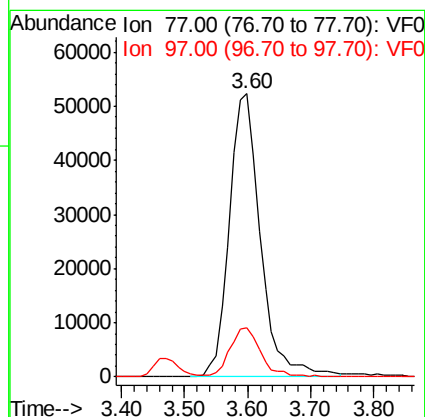
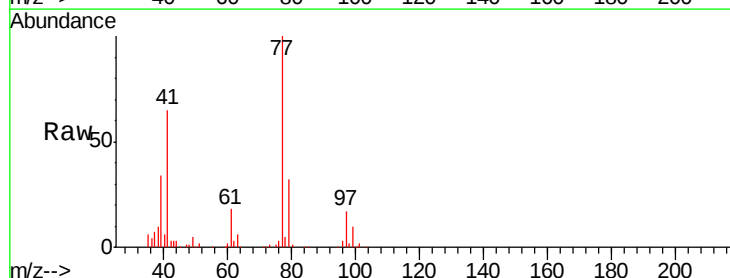
Acq: 18 Dec 2018 20:49

Tgt Ion: 77 Resp: 178869

Ion Ratio Lower Upper

77 100

97 17.3 8.2 24.4





#27

cis-1,2-Dichloroethene

Concen: 99.578 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

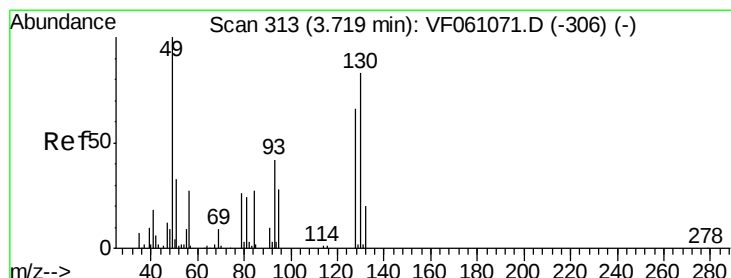
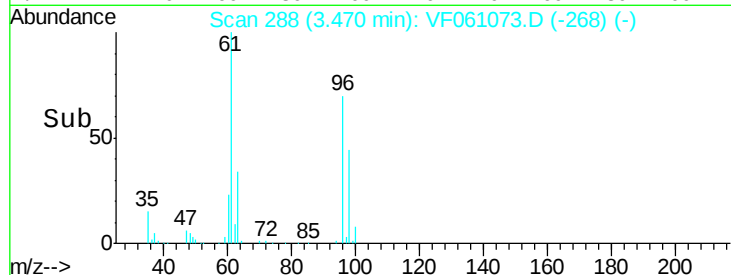
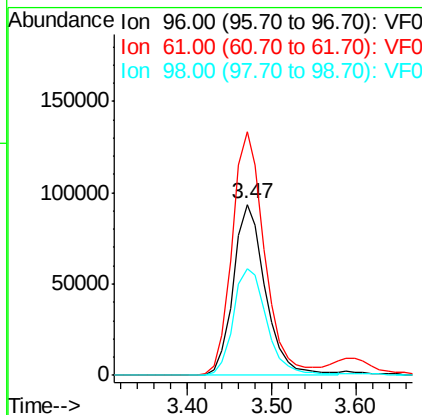
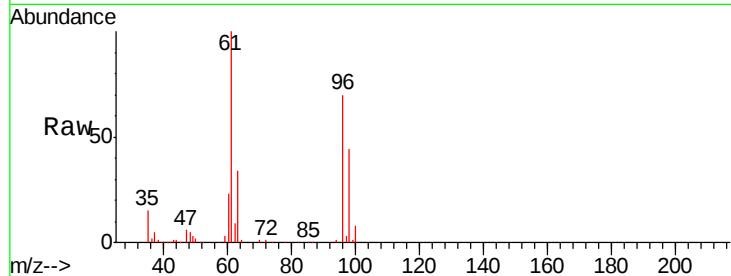
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	250290
Ion Ratio		Lower	Upper
96	100		
61	142.3	0.0	287.8
98	62.0	0.0	134.2

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#28

Bromochloromethane

Concen: 104.977 ug/l

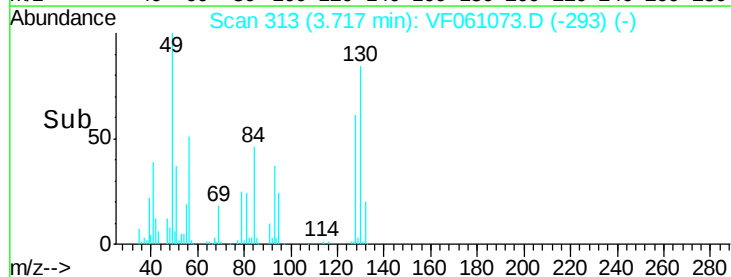
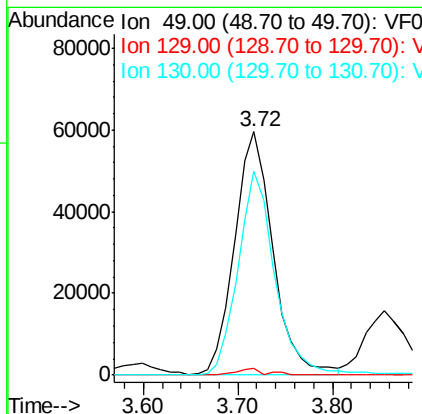
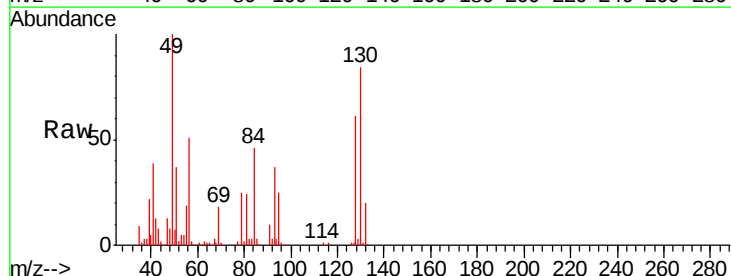
RT: 3.72 min Scan# 313

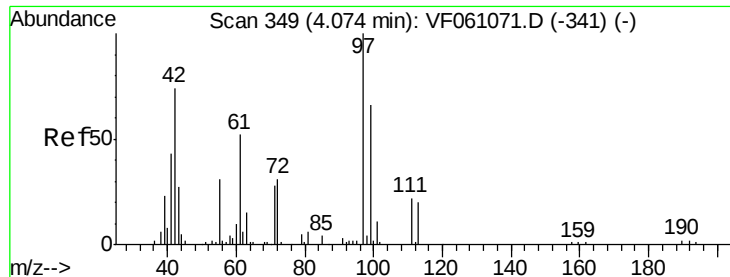
Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion:	49	Resp:	166302
Ion Ratio		Lower	Upper
49	100		
129	2.6	0.0	3.6
130	83.8	65.8	98.6





#29

Tetrahydrofuran

Concen: 433.693 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 138511
Ion Ratio Lower Upper

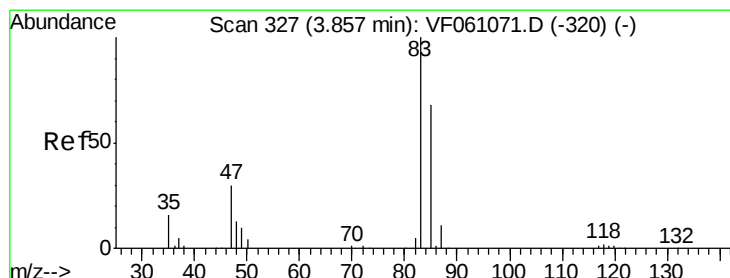
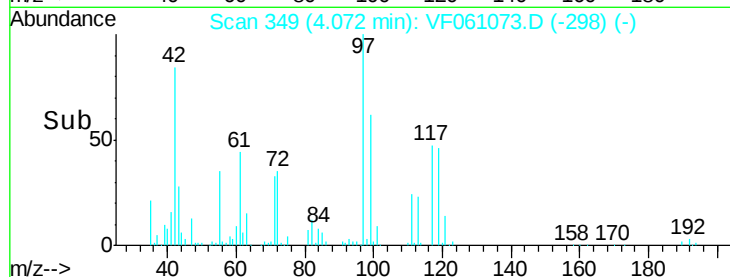
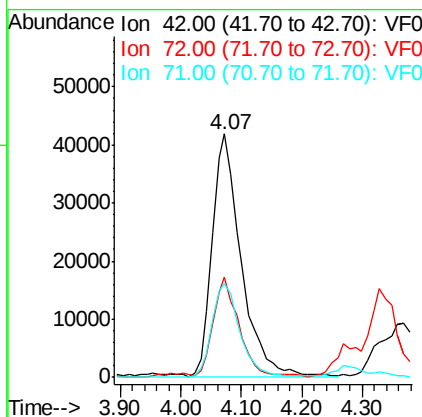
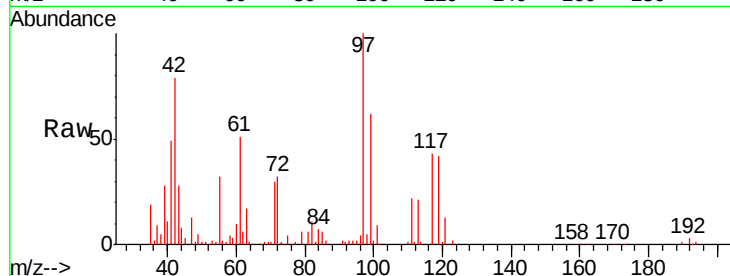
42 100

72 34.8 31.8 47.8

71 37.1 29.7 44.5

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#30

Chloroform

Concen: 93.135 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.00 min

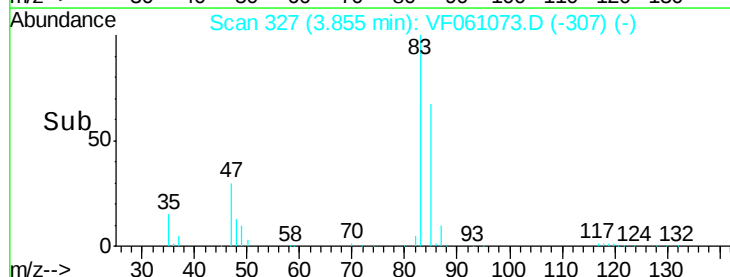
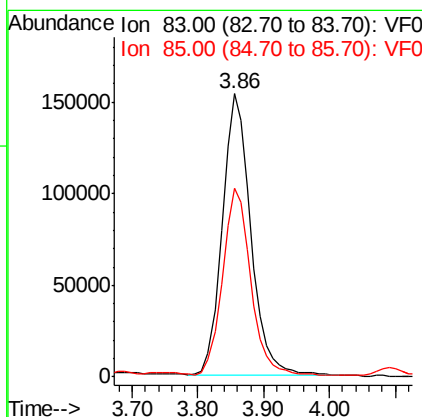
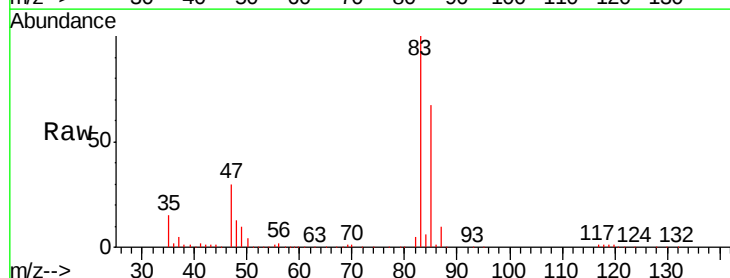
Lab File: VF061073.D

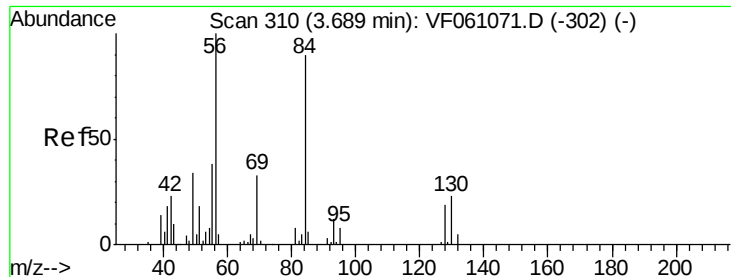
Acq: 18 Dec 2018 20:49

Tgt Ion: 83 Resp: 464050
Ion Ratio Lower Upper

83 100

85 66.8 54.5 81.7





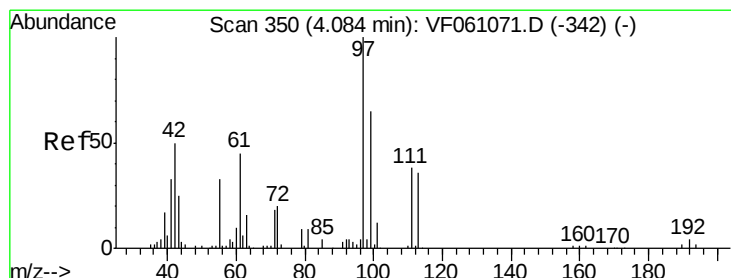
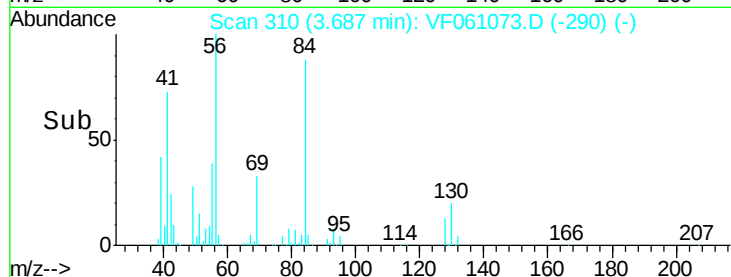
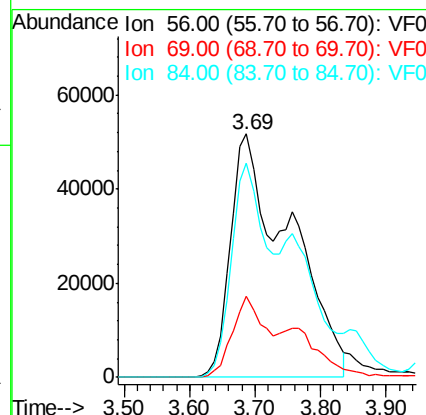
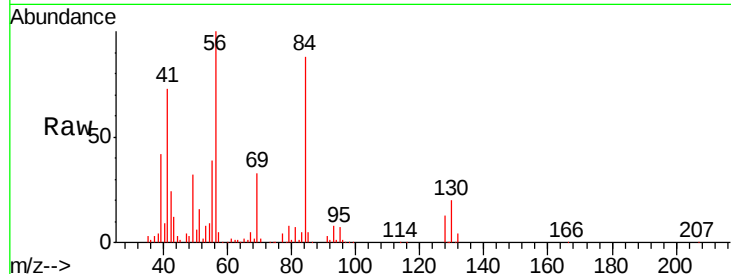
#31
Cyclohexane
Concen: 95.163 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.0	39.0
84	87.8	71.4	107.2

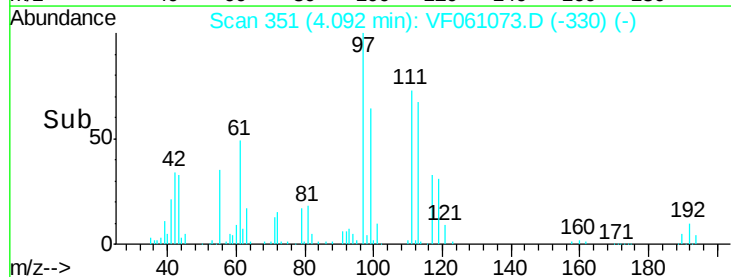
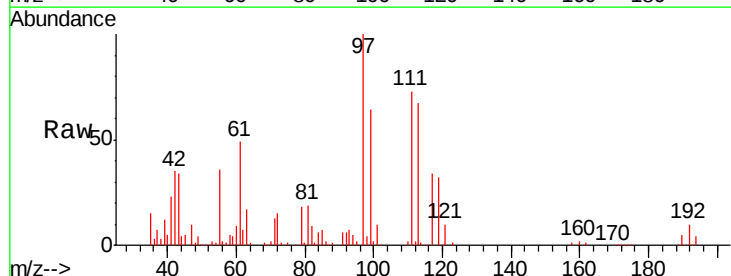
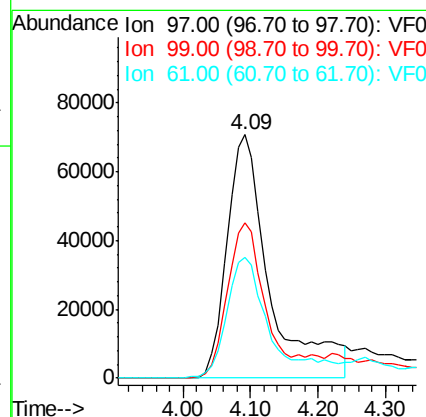
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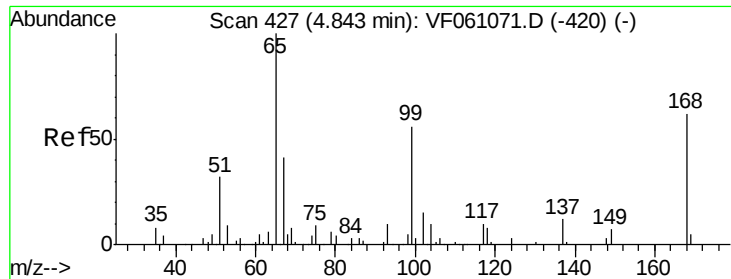
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#32
1,1,1-Trichloroethane
Concen: 95.284 ug/l m
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	49.4	36.2	54.2





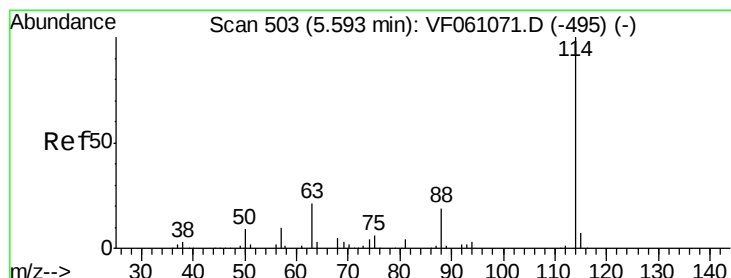
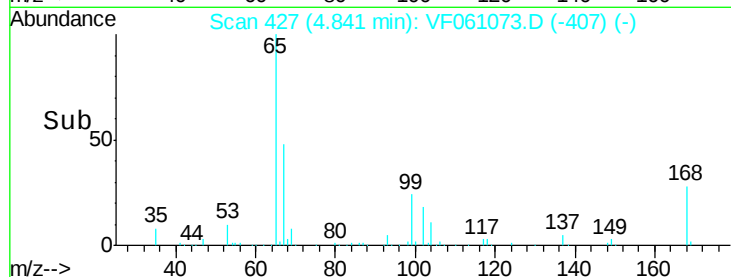
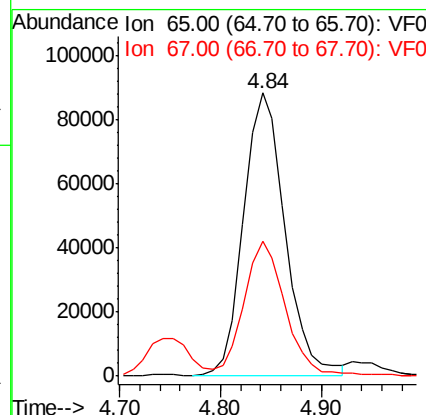
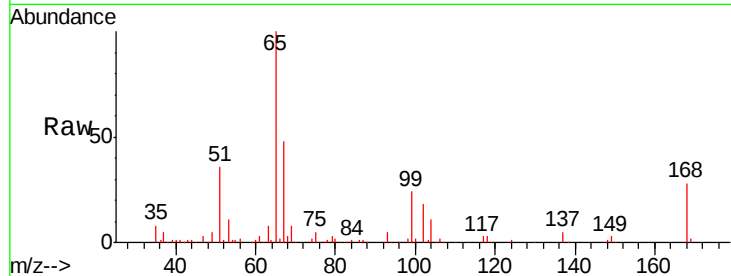
#33
 1,2-Dichloroethane-d4
 Concen: 108.221 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	252595		
67	47.5	0.0	94.6	

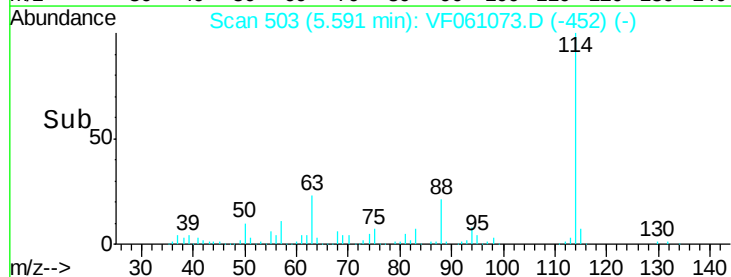
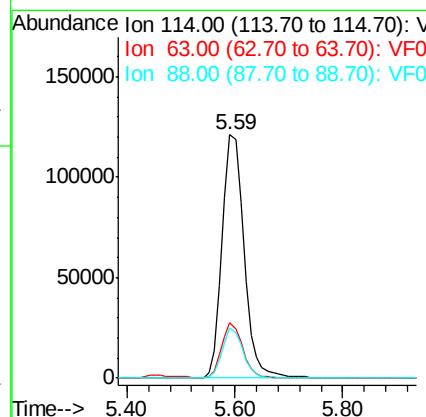
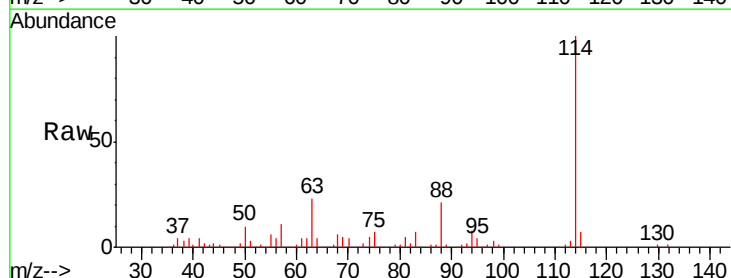
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	343951		
63	22.8	0.0	41.6	
88	20.8	0.0	38.0	





#35

Dibromofluoromethane

Concen: 95.549 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

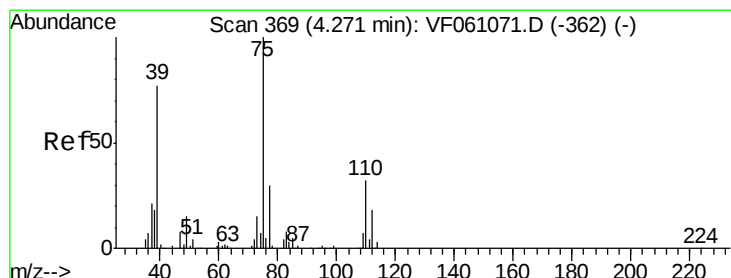
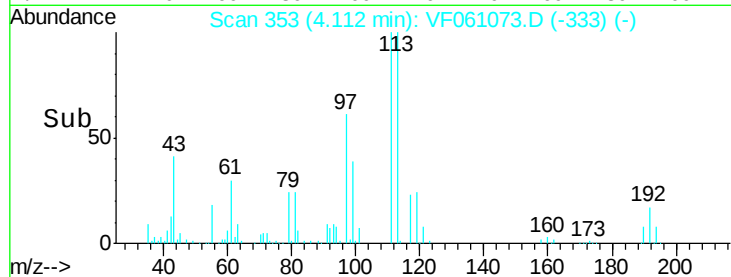
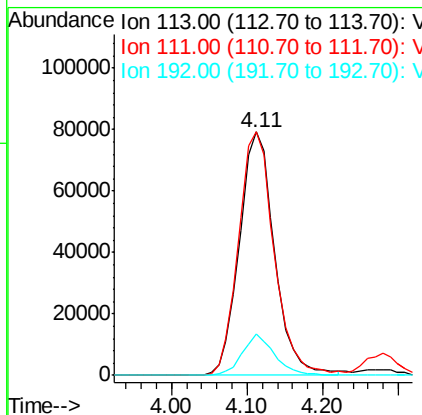
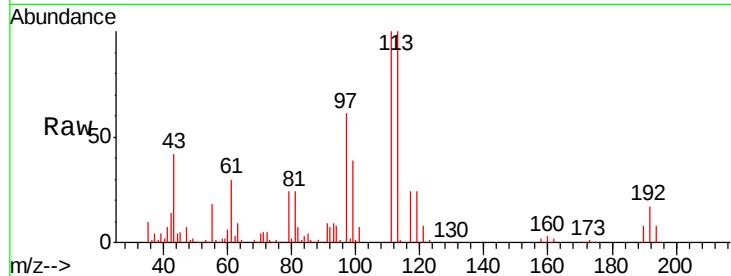
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	255909		
111	100.0	85.2	127.8	
192	17.0	12.8	19.2	

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#36

1,1-Dichloropropene

Concen: 93.196 ug/l

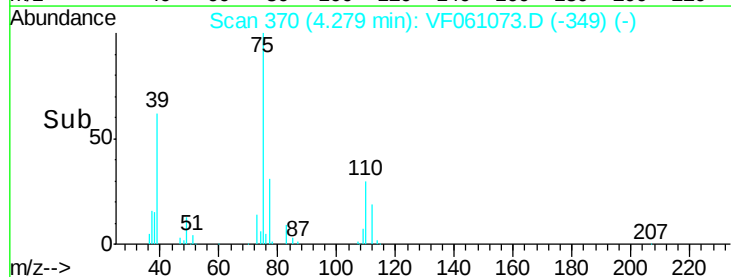
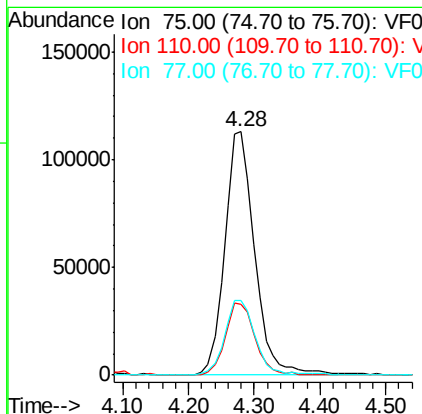
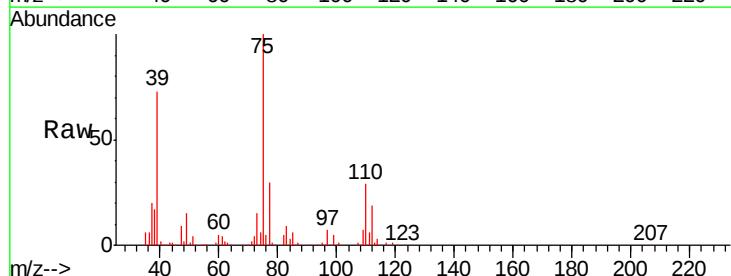
RT: 4.28 min Scan# 370

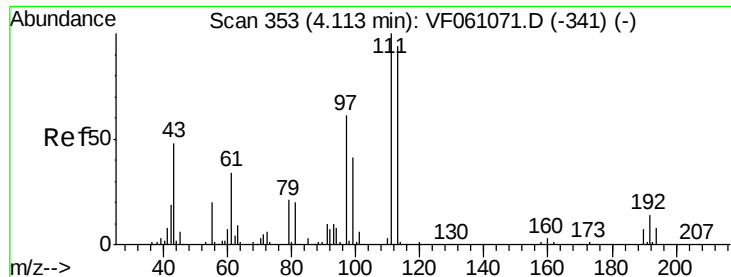
Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	358946		
110	29.3	16.1	48.2	
77	30.4	24.5	36.7	





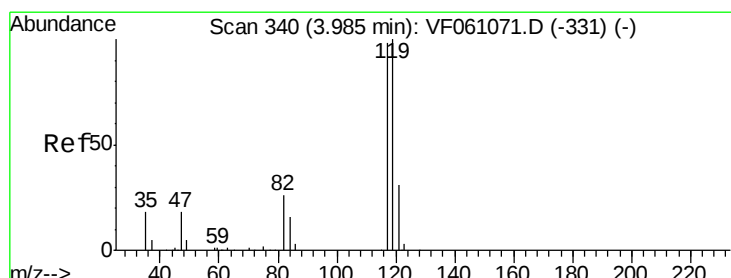
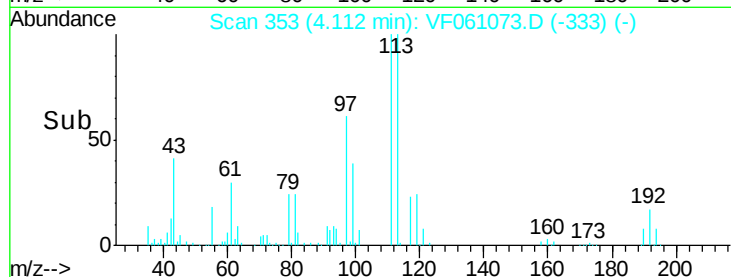
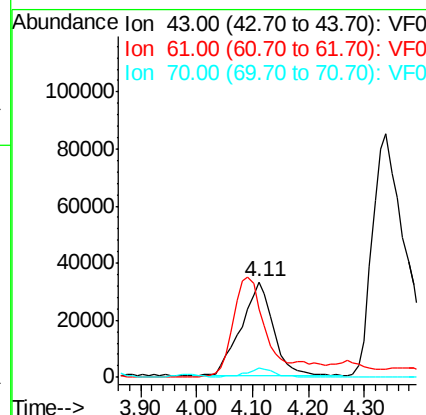
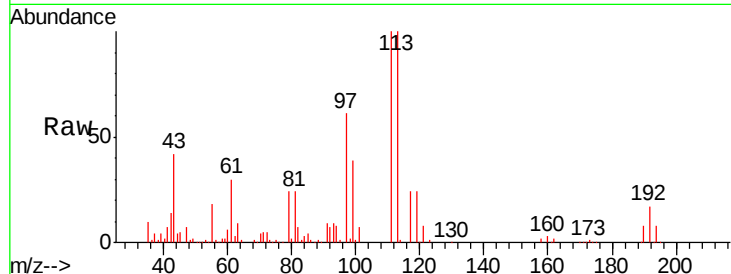
#37
Ethyl Acetate
Concen: 85.199 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	71.2	56.6	84.8
70	10.1	6.3	9.5

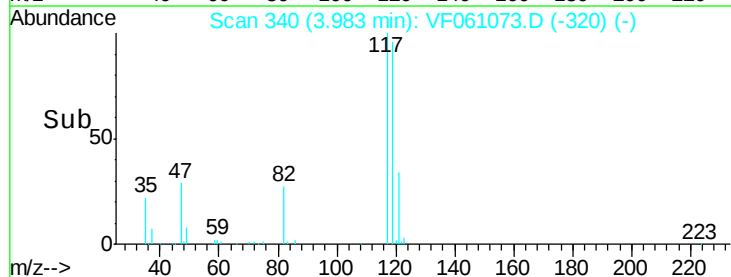
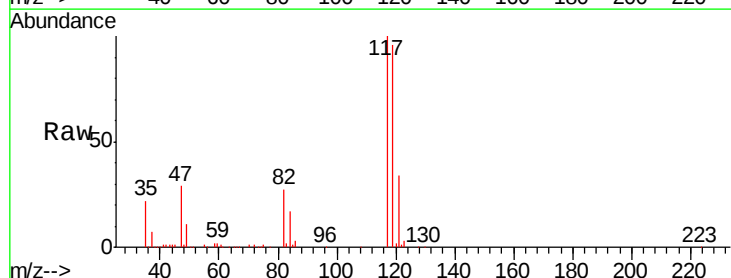
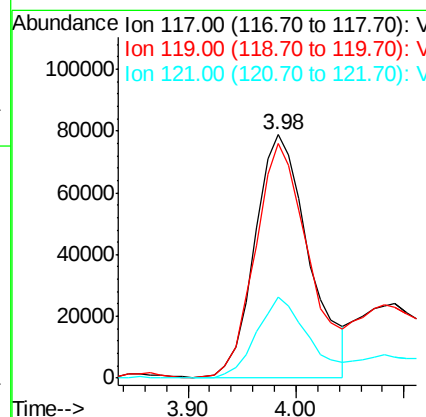
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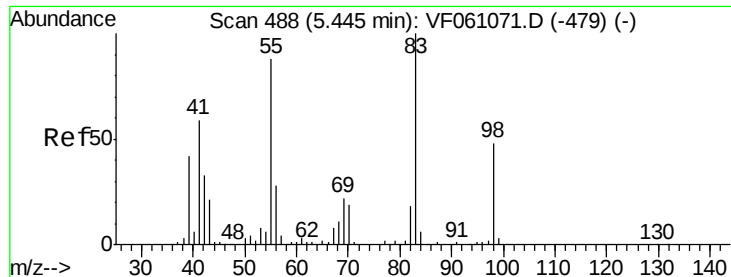
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#38
Carbon Tetrachloride
Concen: 84.326 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	82.1	123.1
121	34.1	25.5	38.3





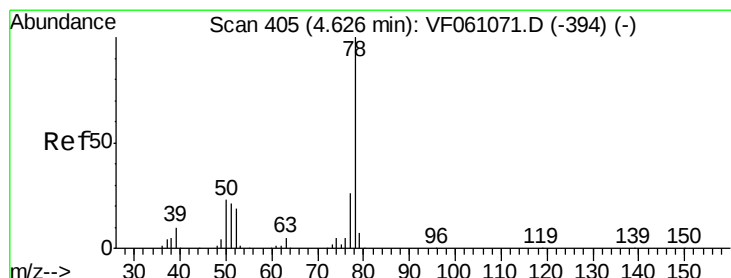
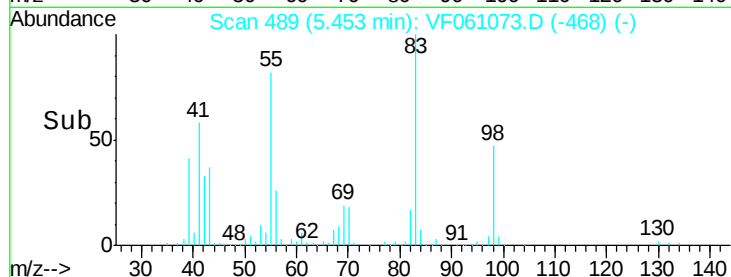
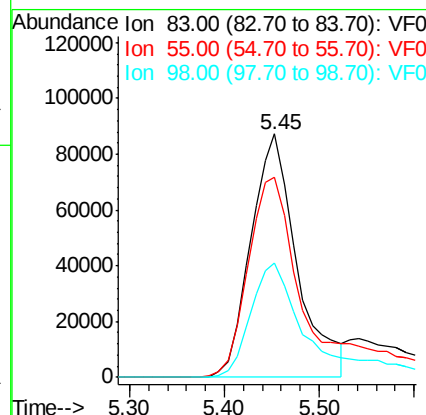
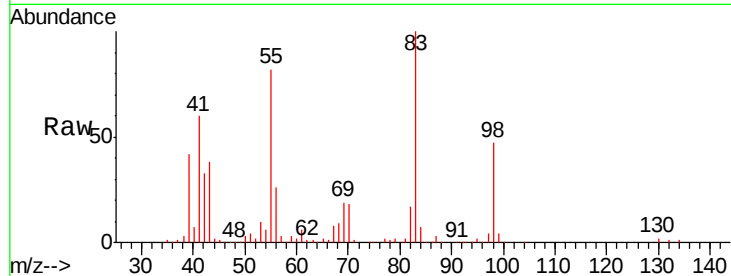
#39
Methylcyclohexane
Concen: 73.588 ug/l m
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	294627		
55	82.4	70.6	105.8	
98	47.0	38.5	57.7	

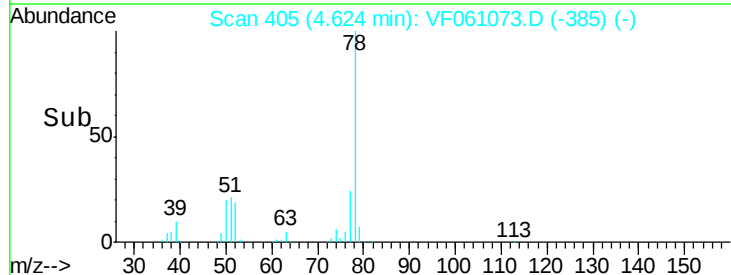
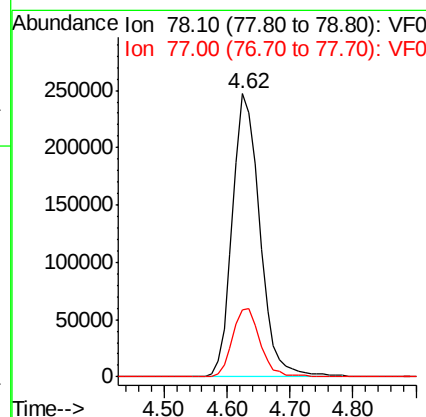
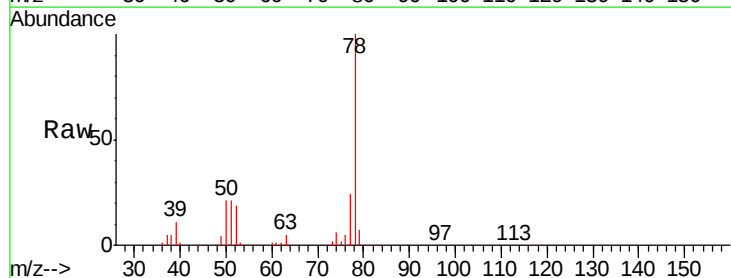
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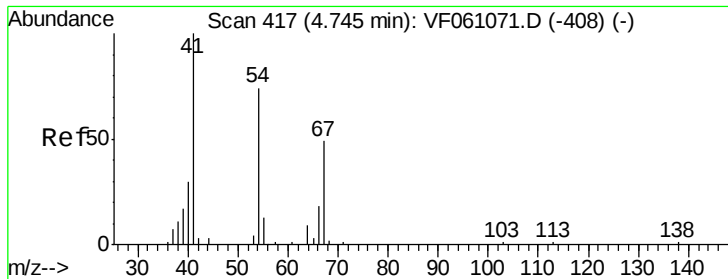
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#40
Benzene
Concen: 88.178 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	747084		
77	23.6	20.7	31.1	





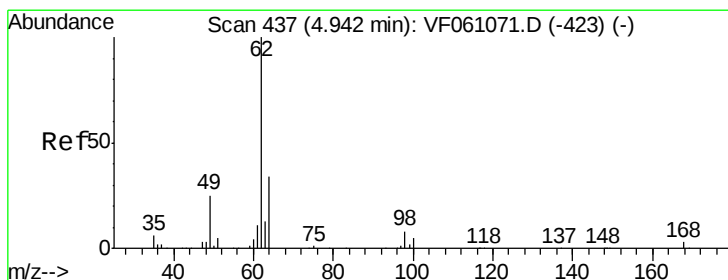
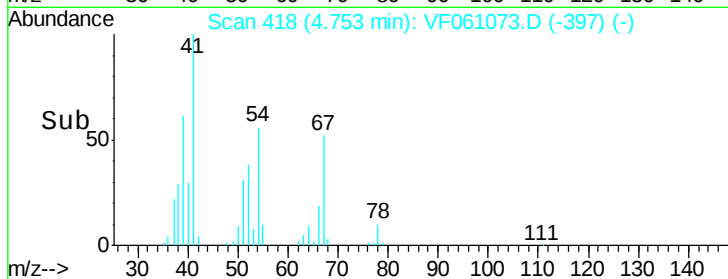
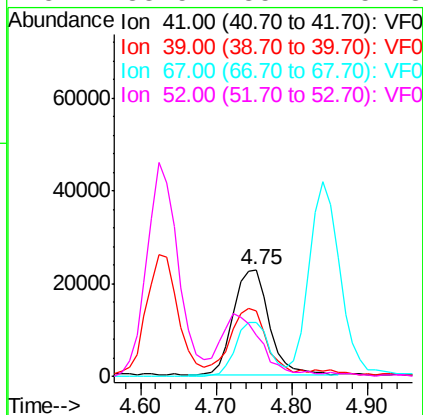
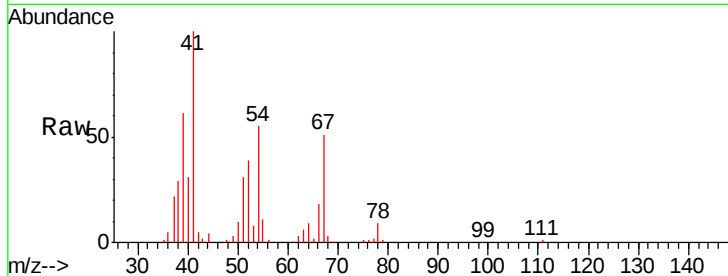
#41
Methacrylonitrile
Concen: 80.923 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	45.7	68.5
67	51.0	38.9	58.3
52	38.5	35.2	52.8

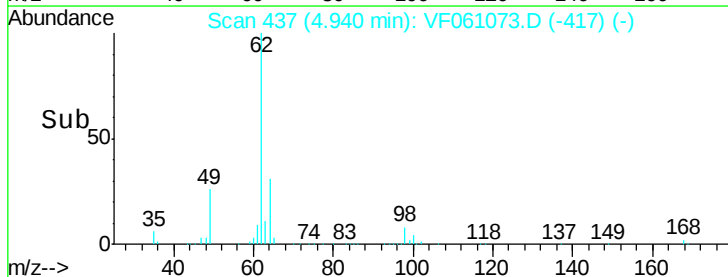
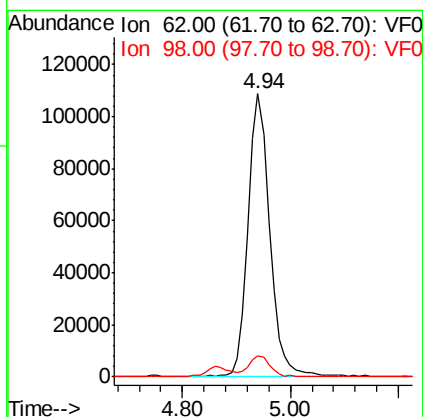
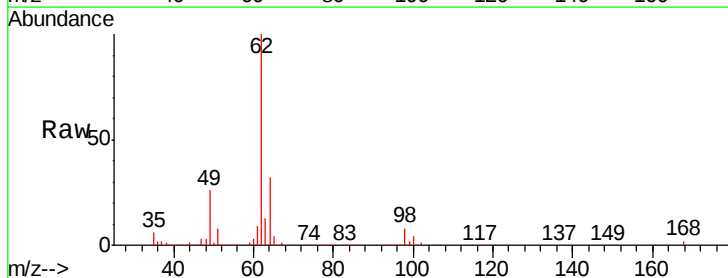
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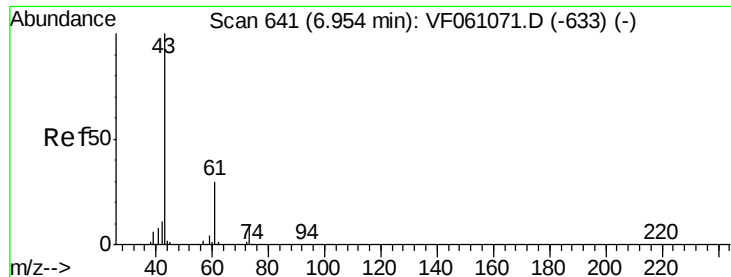
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#42
1,2-Dichloroethane
Concen: 98.474 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	16.6





#43

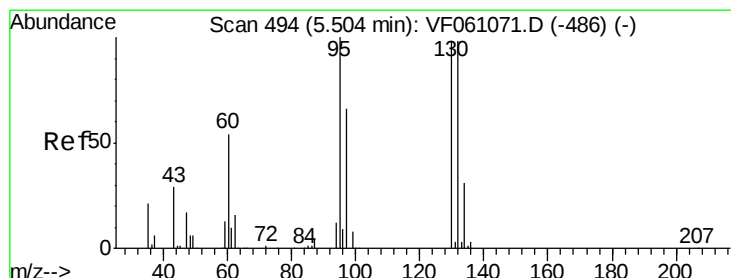
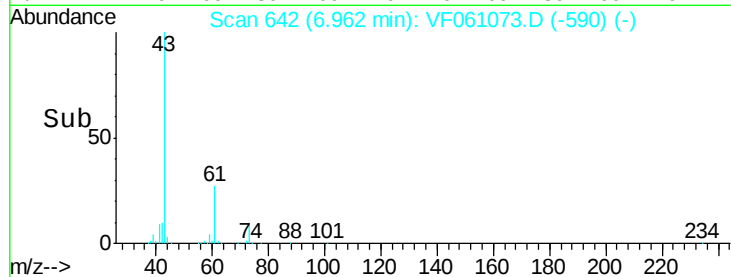
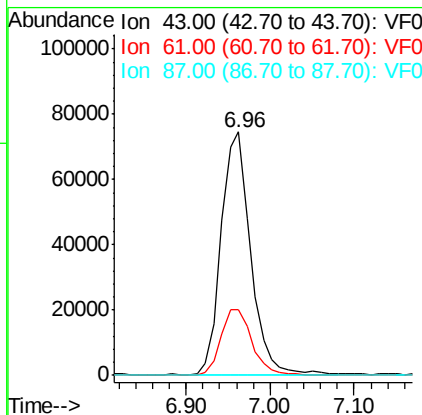
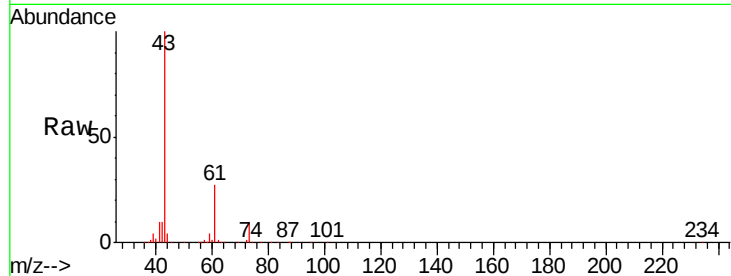
Isopropyl Acetate
 Concen: 87.660 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.0	23.8	35.8
87	0.3	0.0	0.0

Manual Integrations
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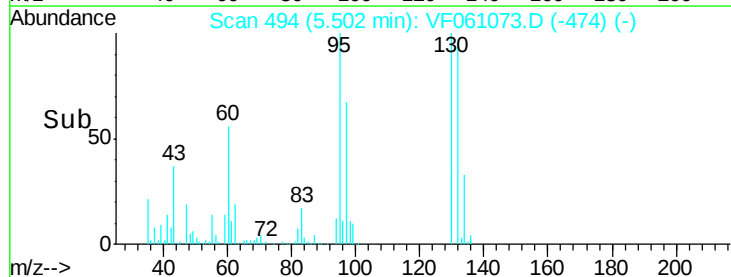
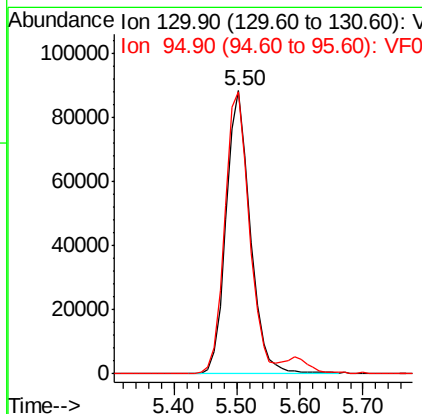
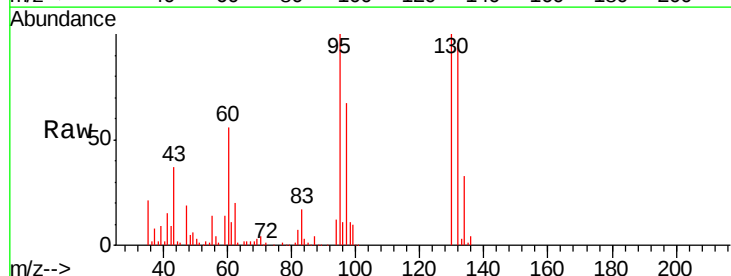
apatel
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#44

Trichloroethene
 Concen: 84.836 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	205.2





#45

1,2-Dichloropropane

Concen: 93.815 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 205612

Ion Ratio Lower Upper

63 100

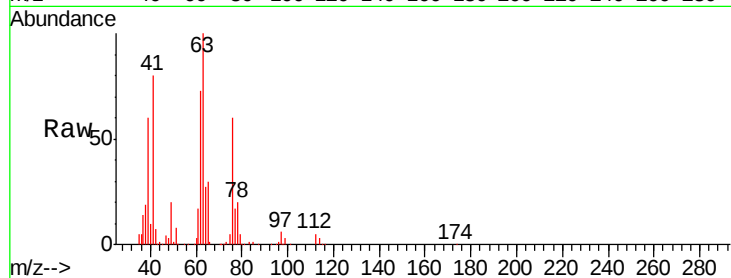
65 30.3 24.4 36.6

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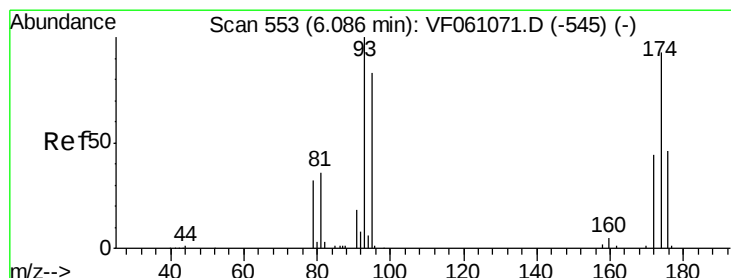
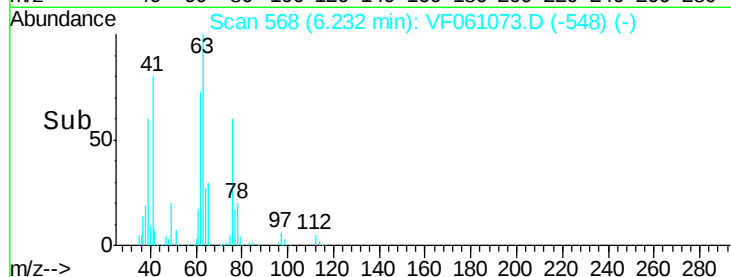
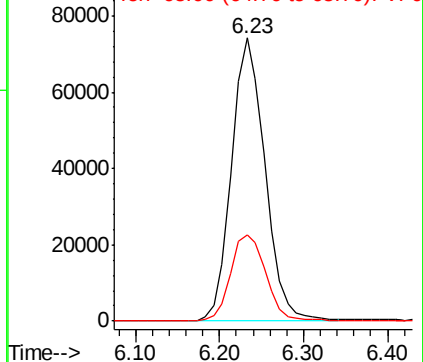
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 99.199 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

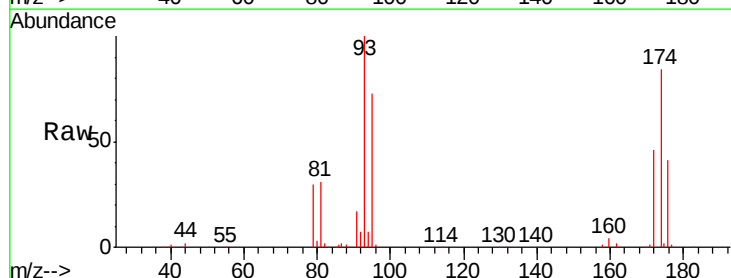
Tgt Ion: 93 Resp: 147260

Ion Ratio Lower Upper

93 100

95 73.0 66.9 100.3

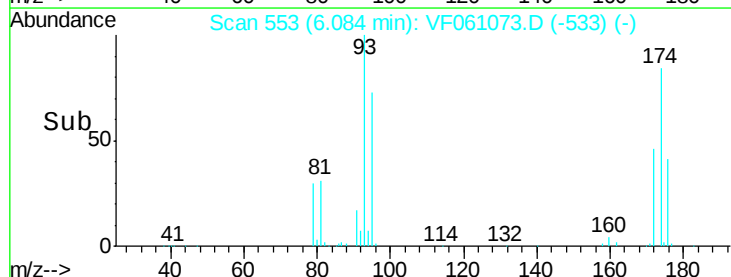
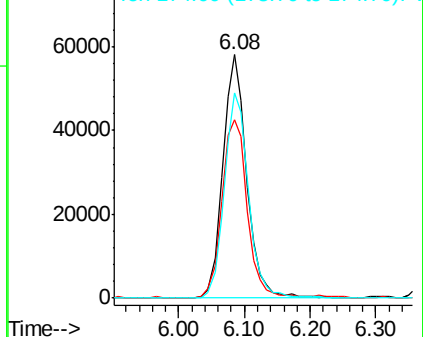
174 84.1 74.1 111.1

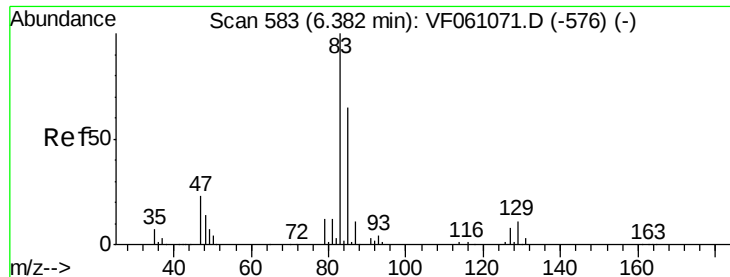


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 92.182 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

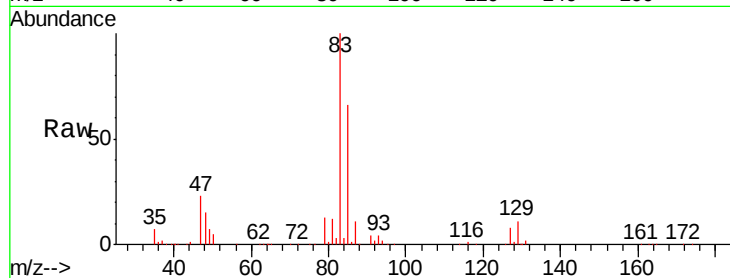
ClientSampleId :

VSTDIC100

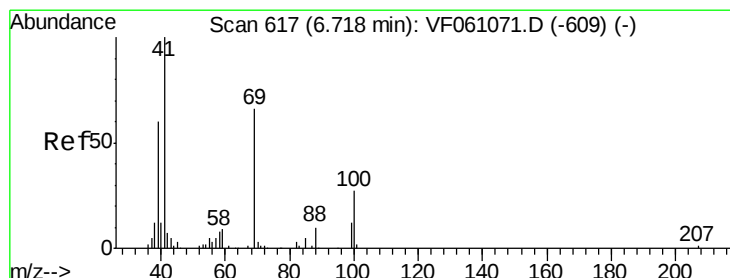
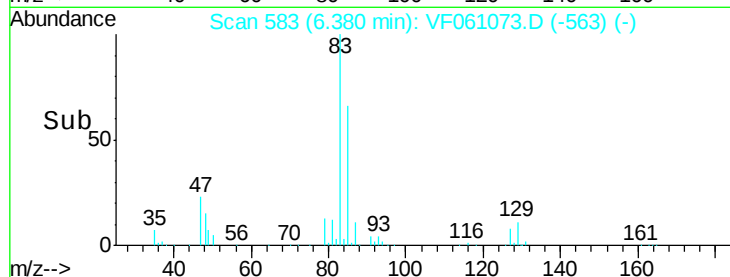
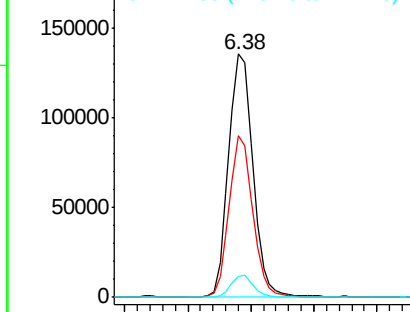
Tgt Ion:	83	Resp:	364347
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.2	78.4
127	8.5	6.1	9.1

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 94.773 ug/l

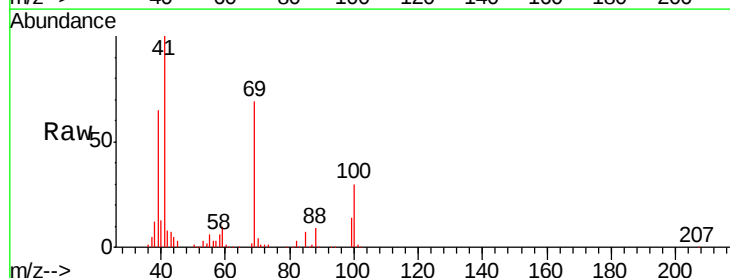
RT: 6.72 min Scan# 617

Delta R.T. -0.00 min

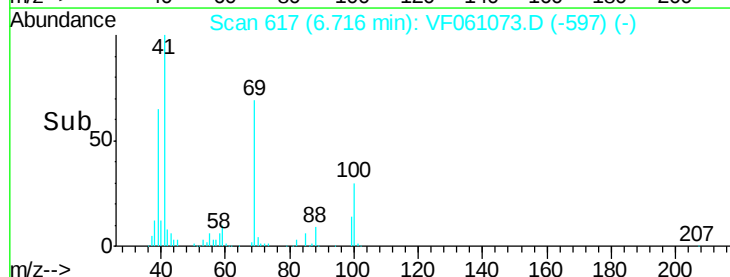
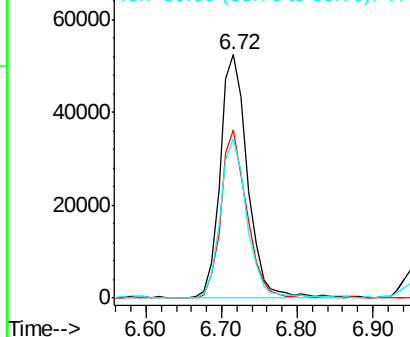
Lab File: VF061073.D

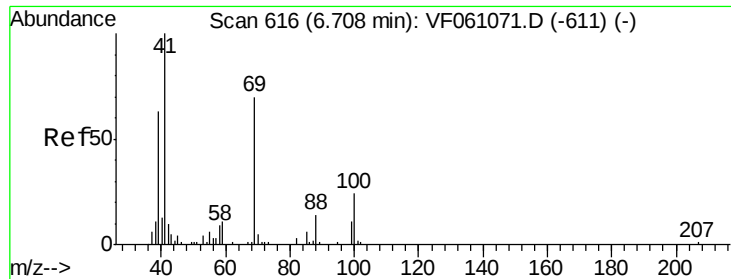
Acq: 18 Dec 2018 20:49

Tgt Ion:	41	Resp:	132191
Ion	Ratio	Lower	Upper
41	100		
69	69.2	52.7	79.1
39	65.2	47.8	71.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





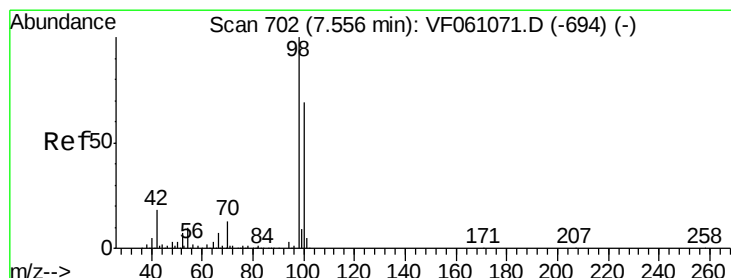
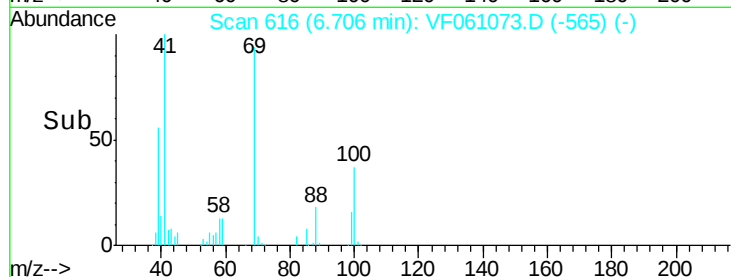
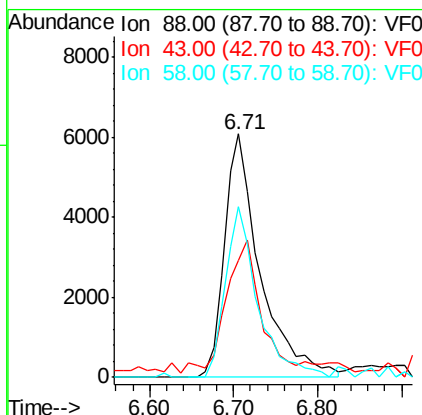
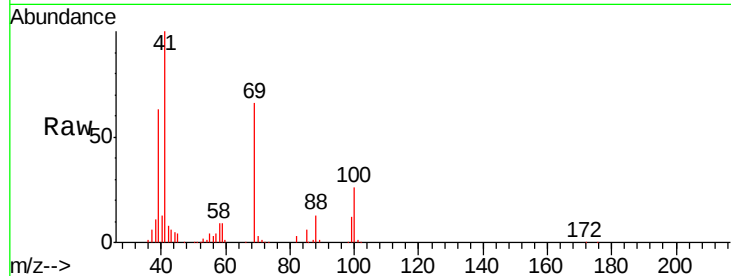
#49
1,4-Dioxane
Concen: 1771.619 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	17867		
43	48.3		33.3	49.9
58	70.0		53.2	79.8

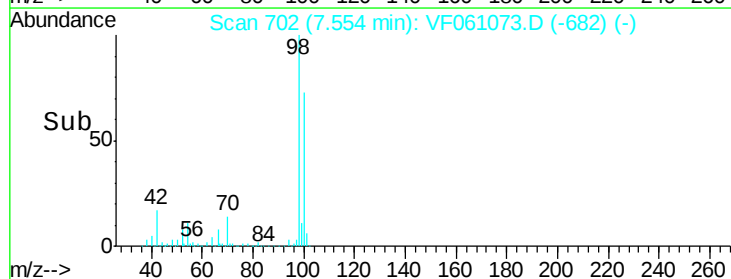
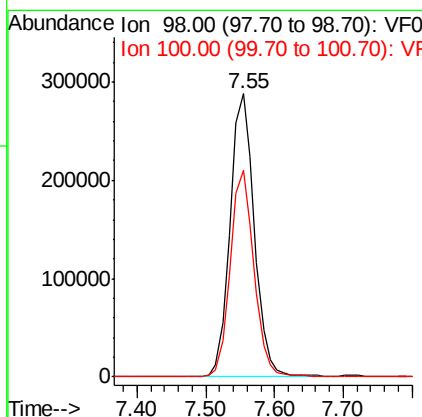
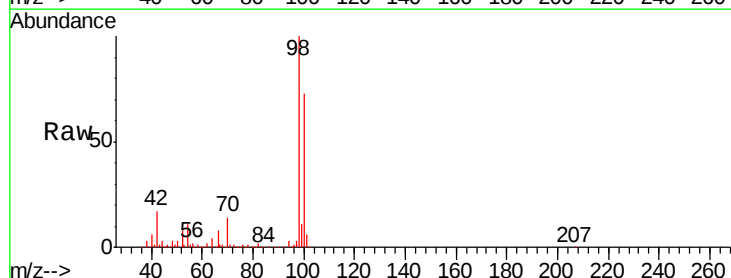
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#50
Toluene-d8
Concen: 88.954 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	703381		
100	72.8		55.3	82.9





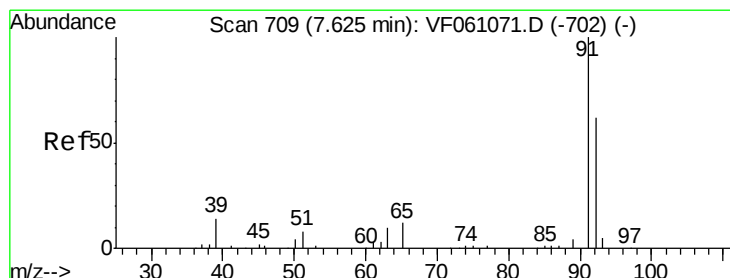
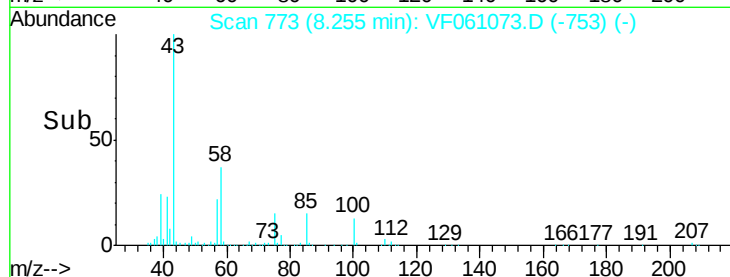
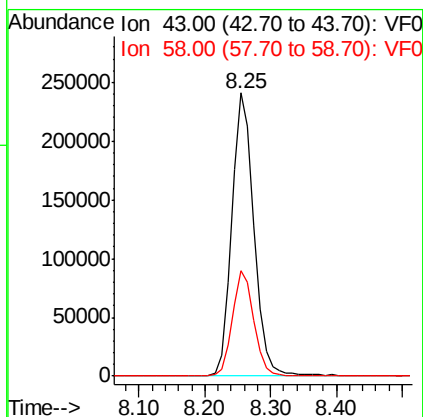
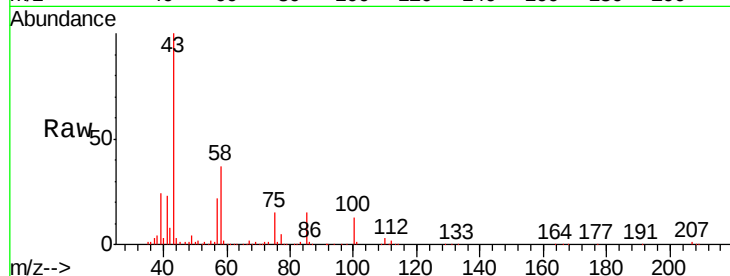
#51
4-Methyl-2-Pentanone
Concen: 401.359 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 568832
Ion Ratio Lower Upper
43 100
58 37.3 29.1 43.7

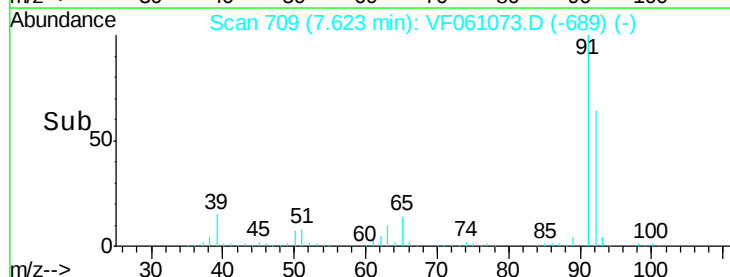
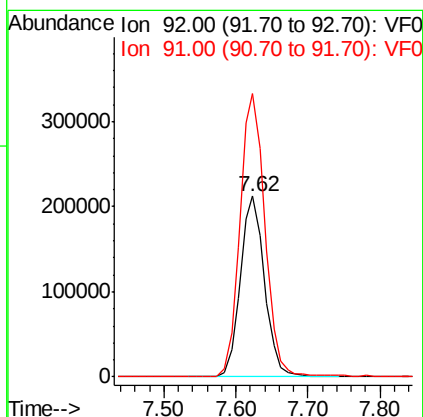
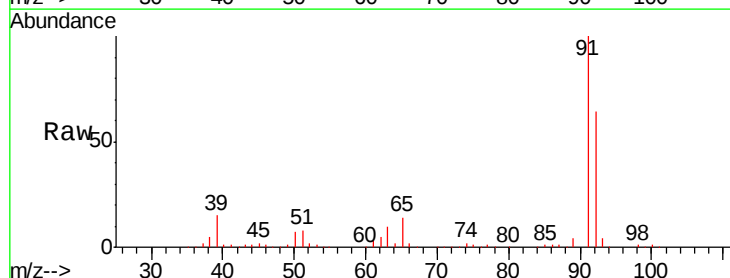
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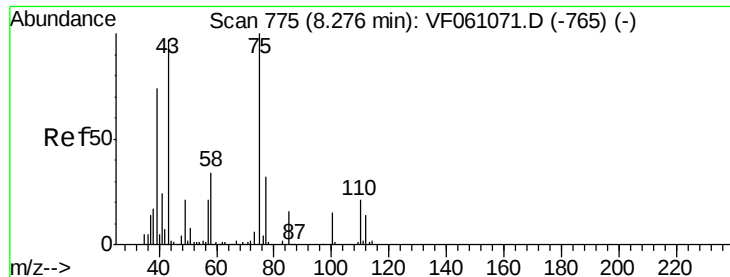
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#52
Toluene
Concen: 84.452 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 92 Resp: 500976
Ion Ratio Lower Upper
92 100
91 156.8 128.8 193.2





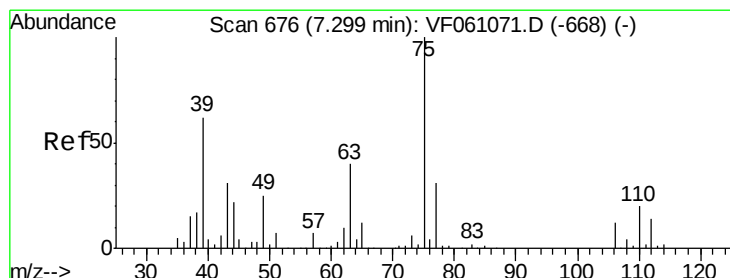
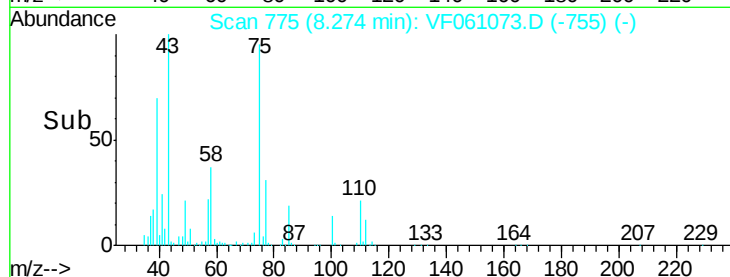
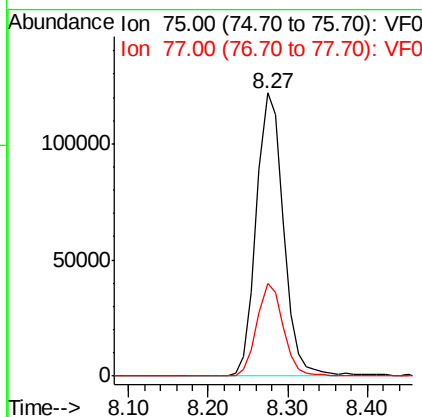
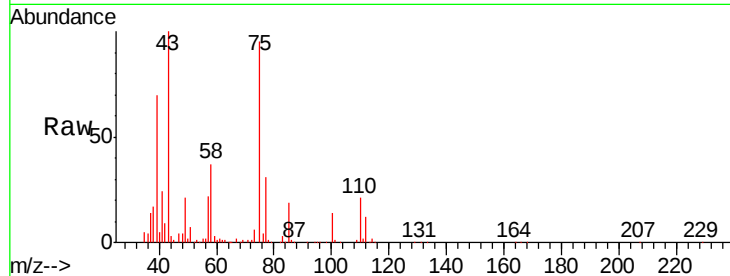
#53
t-1,3-Dichloropropene
Concen: 89.532 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 285705
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.8

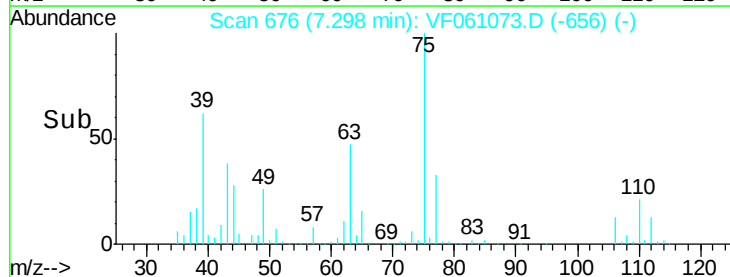
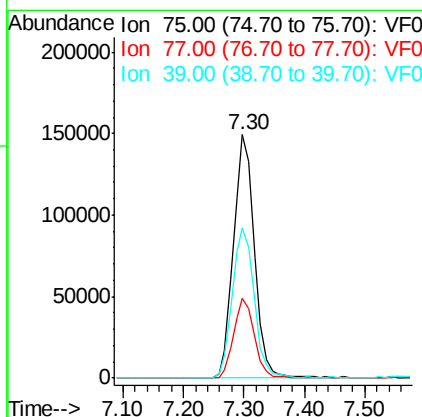
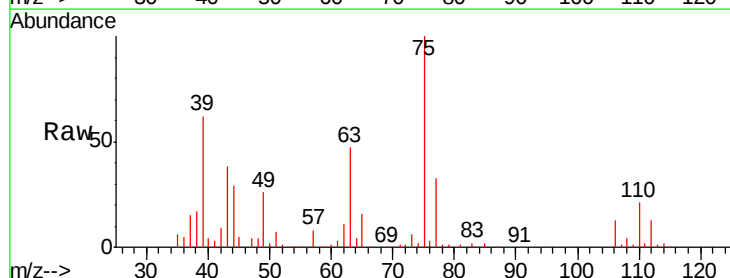
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#54
cis-1,3-Dichloropropene
Concen: 91.203 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 75 Resp: 359152
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.4
39 61.9 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 90.035 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

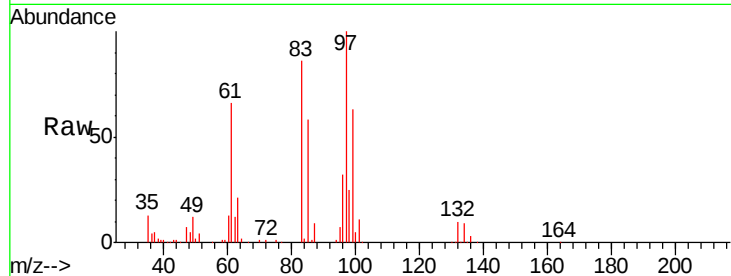
ClientSampleId :

VSTDIC100

Tgt Ion:	97	Resp:	153694
Ion	Ratio	Lower	Upper
97	100		
83	86.5	75.0	112.4
85	57.9	47.5	71.3
99	63.4	51.9	77.9

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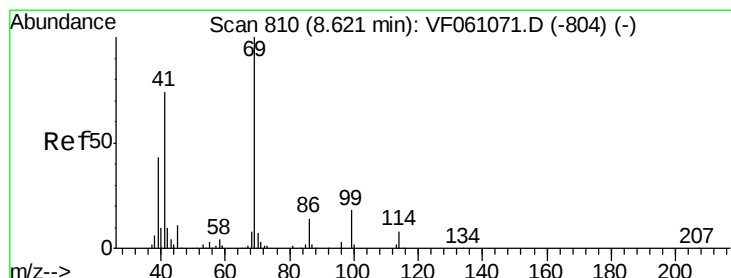
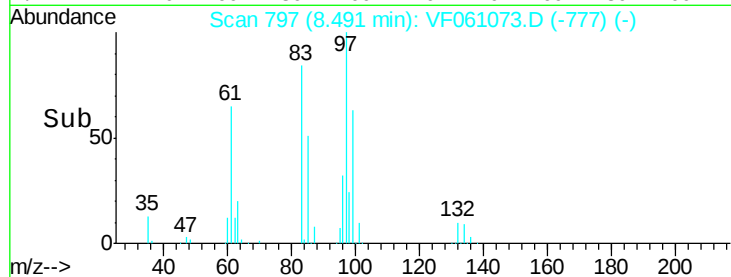
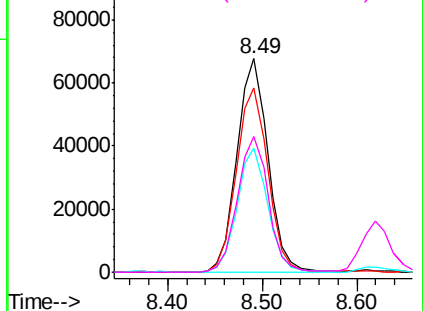
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 93.543 ug/l

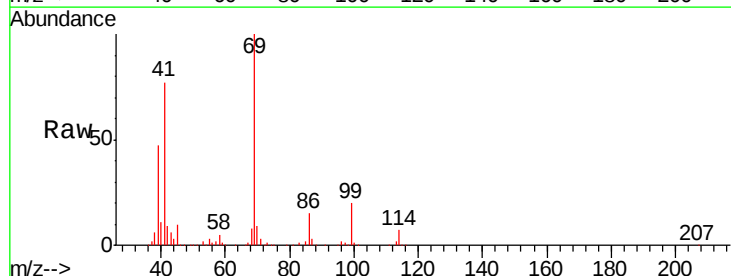
RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion:	69	Resp:	176085
Ion	Ratio	Lower	Upper
69	100		
41	76.9	59.7	89.5
39	47.2	35.0	52.6

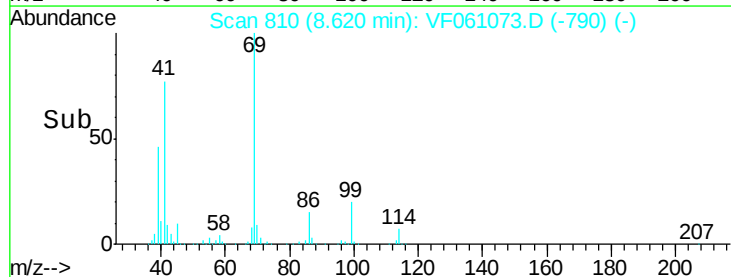
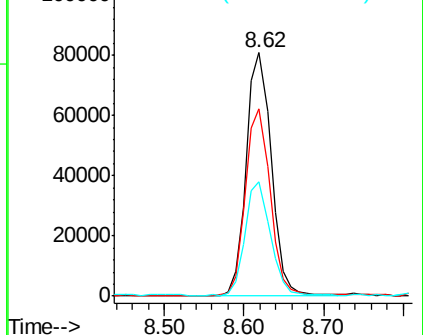


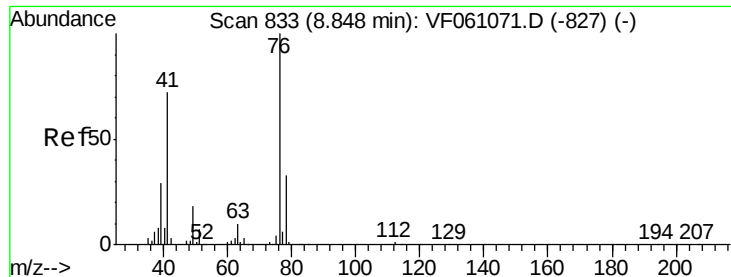
Abundance

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: 92.729 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 277834

Ion Ratio Lower Upper

76 100

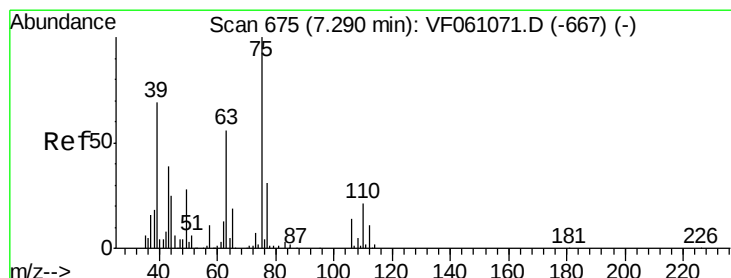
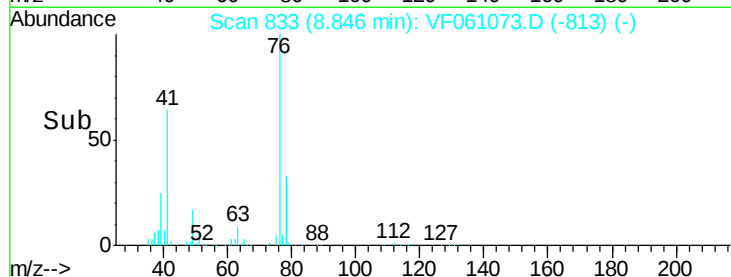
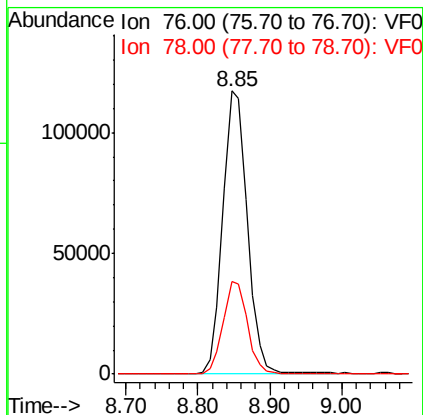
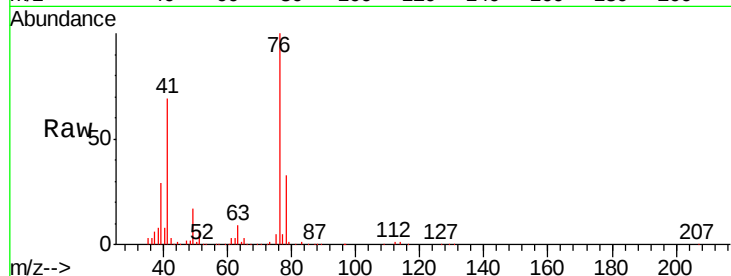
78 32.9 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 793.126 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061073.D

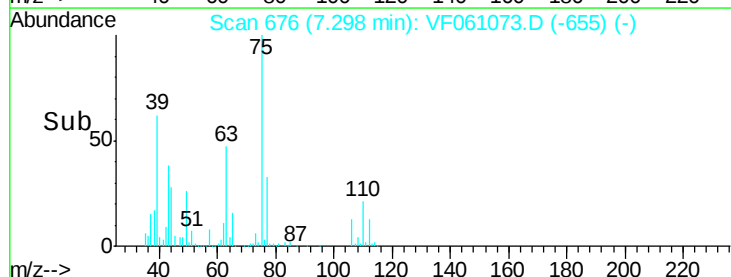
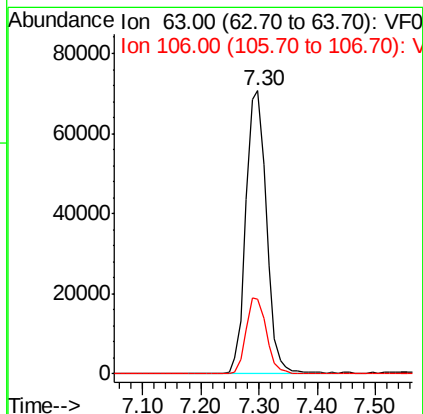
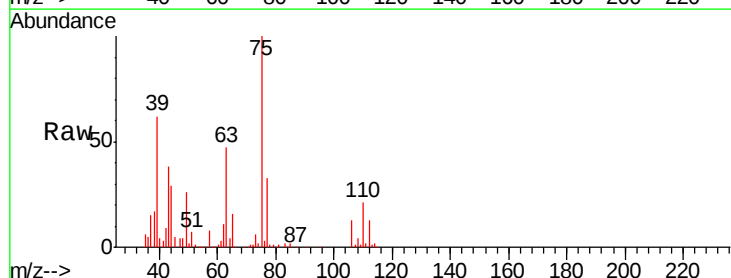
Acq: 18 Dec 2018 20:49

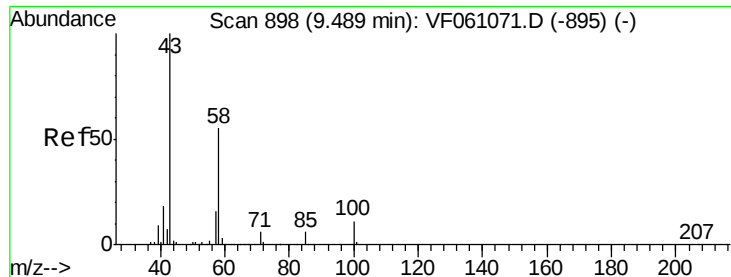
Tgt Ion: 63 Resp: 176764

Ion Ratio Lower Upper

63 100

106 26.6 19.8 29.8





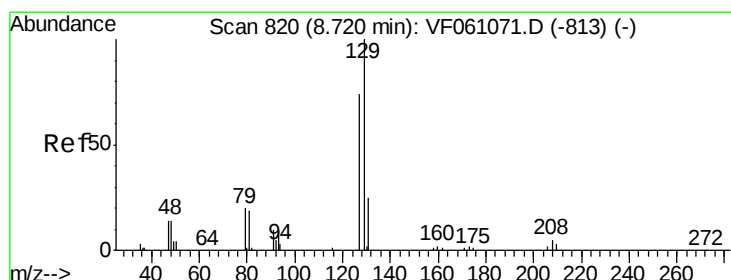
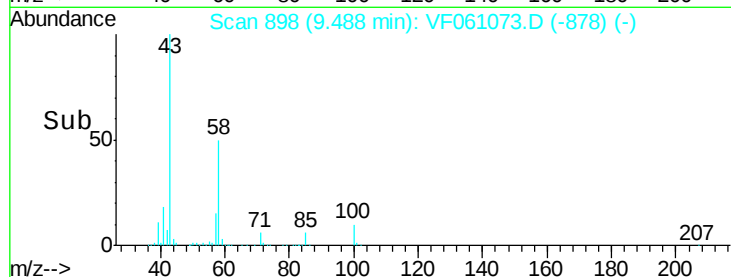
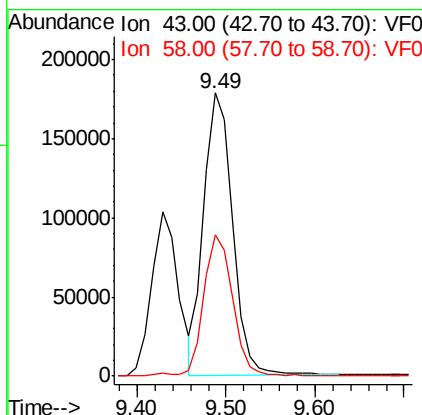
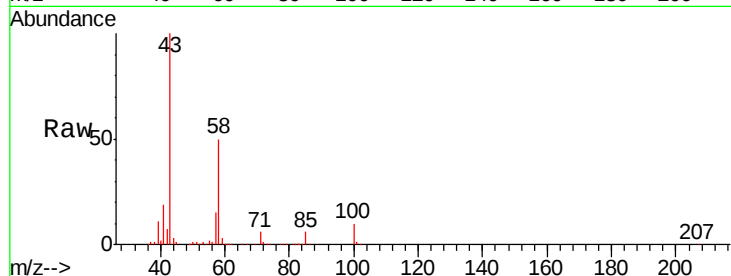
#59
2-Hexanone
Concen: 398.761 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 399374
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.2

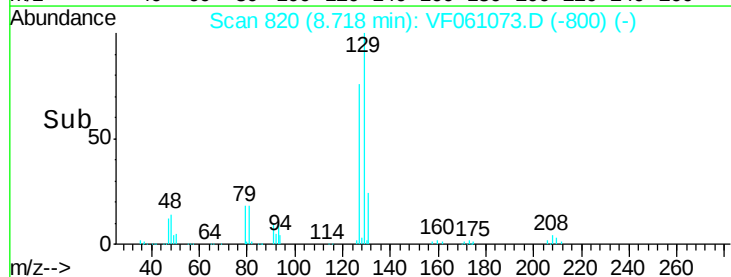
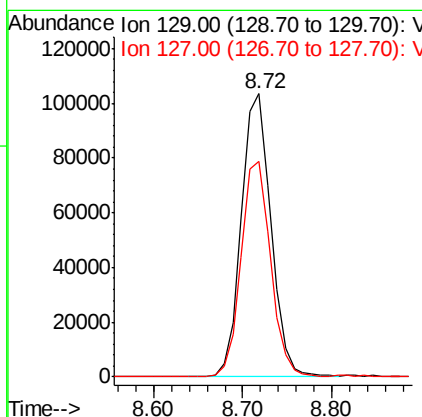
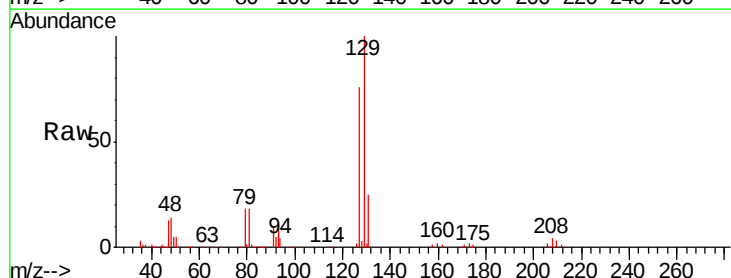
Manual Integrations
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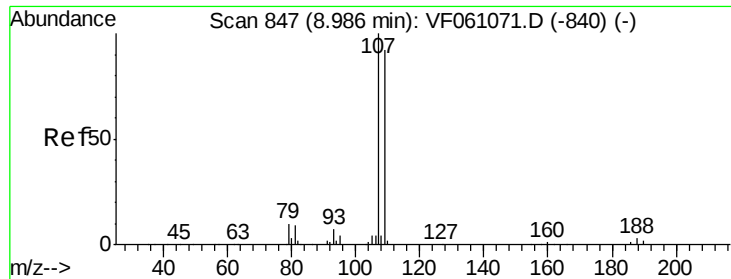
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#60
Dibromochloromethane
Concen: 93.543 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 129 Resp: 238495
Ion Ratio Lower Upper
129 100
127 76.2 36.8 110.3





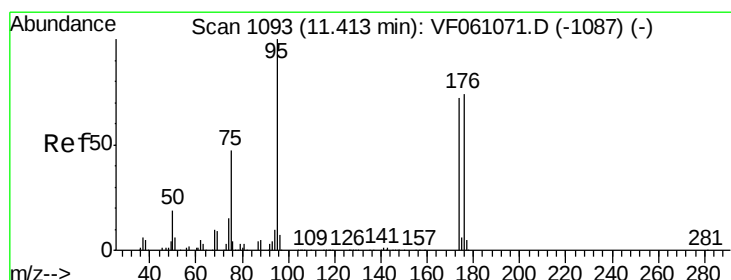
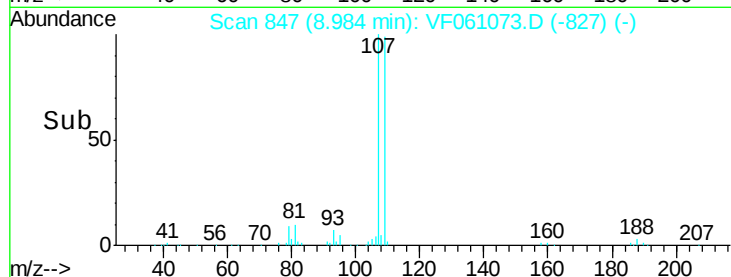
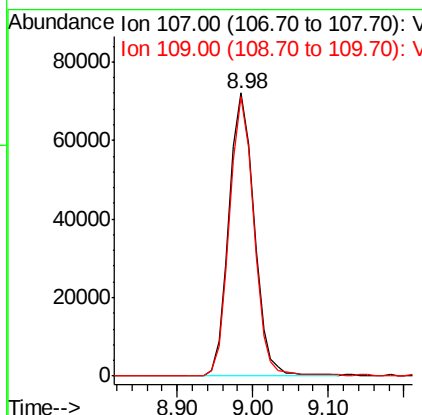
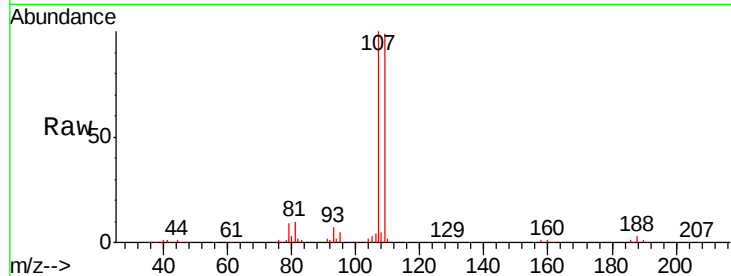
#61
1,2-Dibromoethane
Concen: 90.364 ug/l
RT: 8.98 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion: 107 Resp: 167680
Ion Ratio Lower Upper
107 100
109 98.7 73.7 110.5

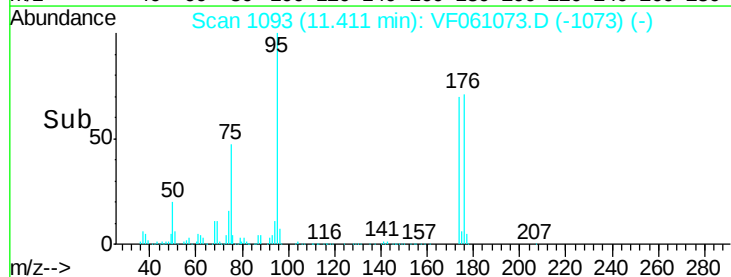
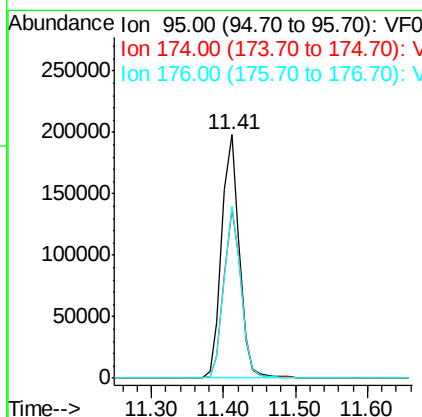
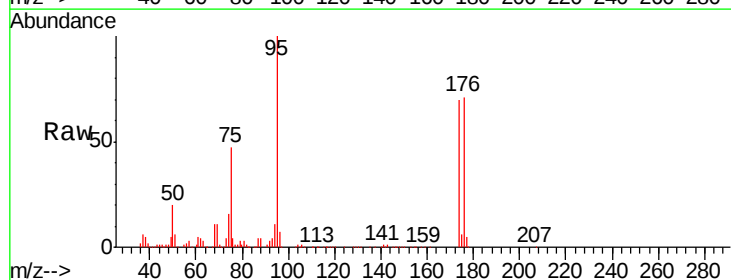
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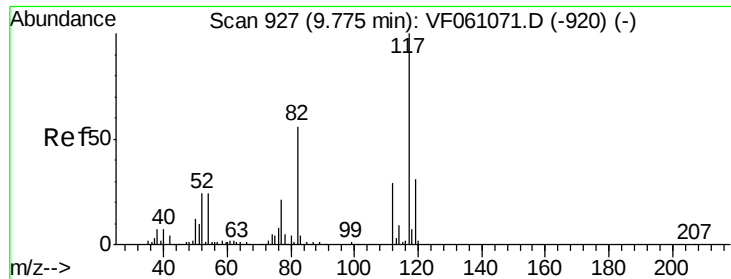
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#62
4-Bromofluorobenzene
Concen: 93.802 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion: 95 Resp: 335969
Ion Ratio Lower Upper
95 100
174 69.7 0.0 143.8
176 70.7 0.0 147.6





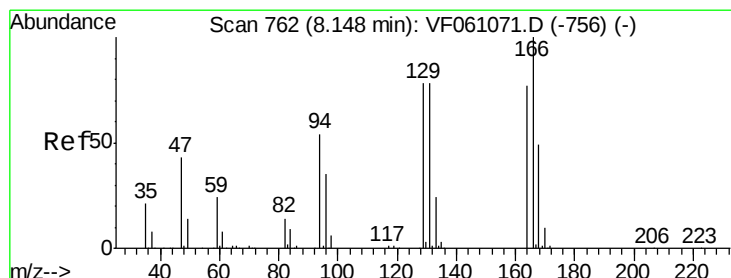
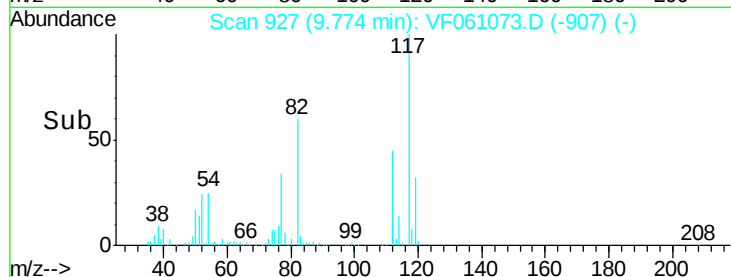
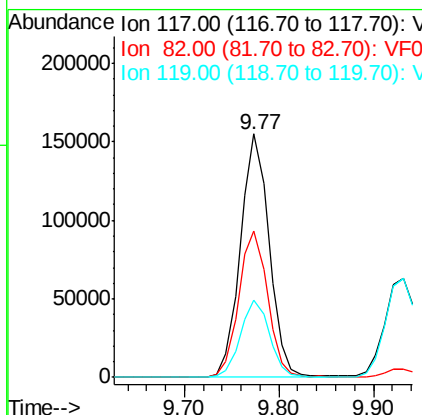
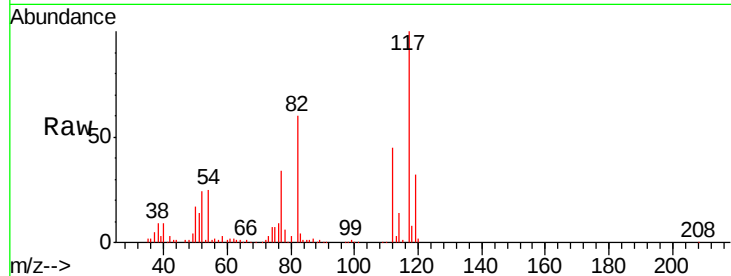
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	328419		
82	60.1	45.0	67.4	
119	31.7	24.8	37.2	

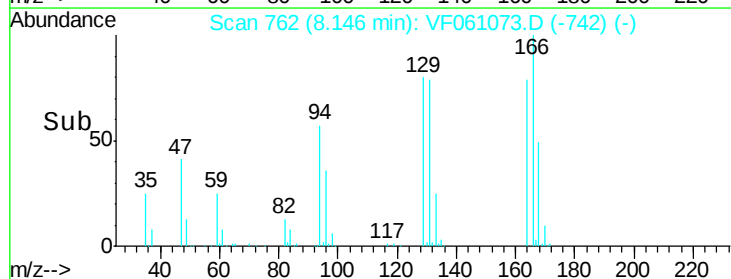
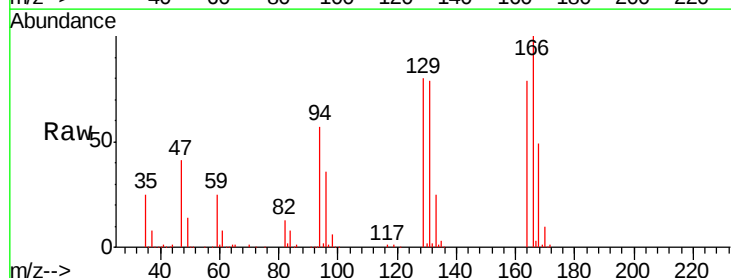
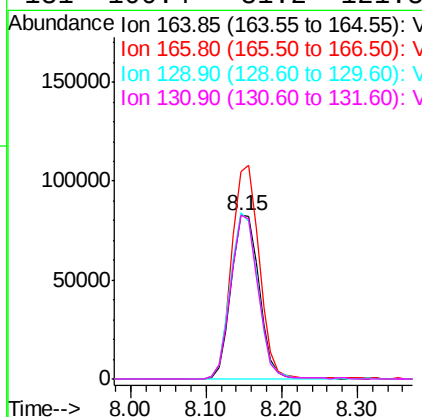
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#64
Tetrachloroethene
Concen: 83.917 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	211253		
166	127.1	104.0	156.0	
129	101.5	81.1	121.7	
131	100.4	81.2	121.8	





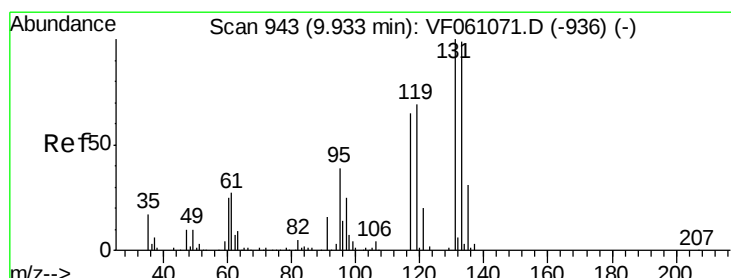
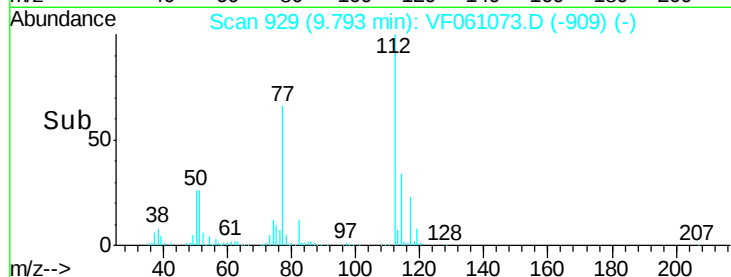
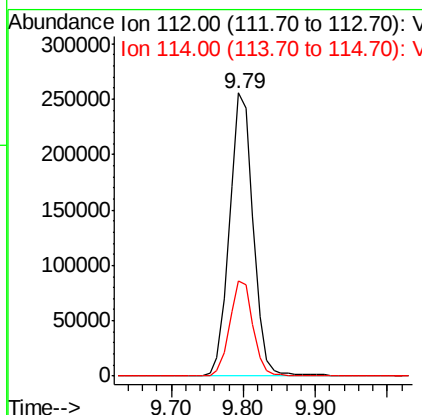
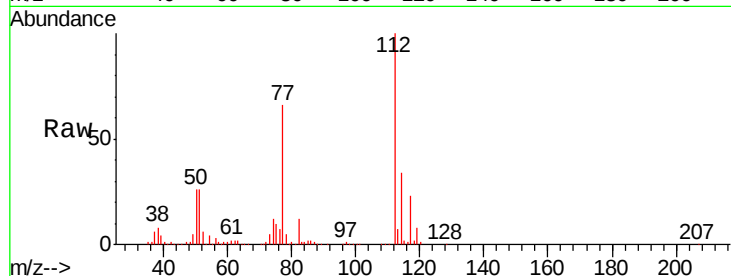
#65
Chlorobenzene
Concen: 92.214 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.7	27.8	41.6

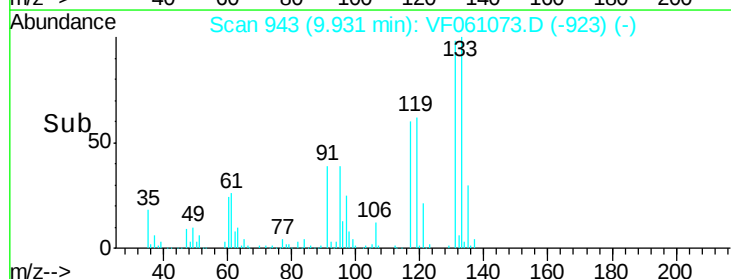
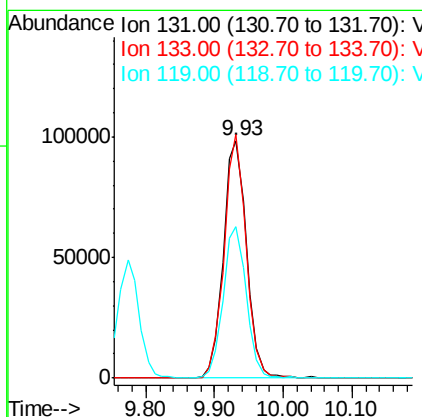
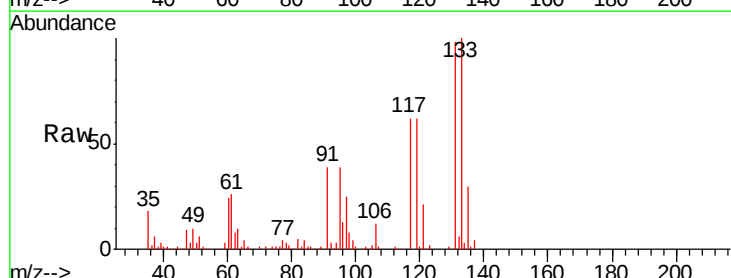
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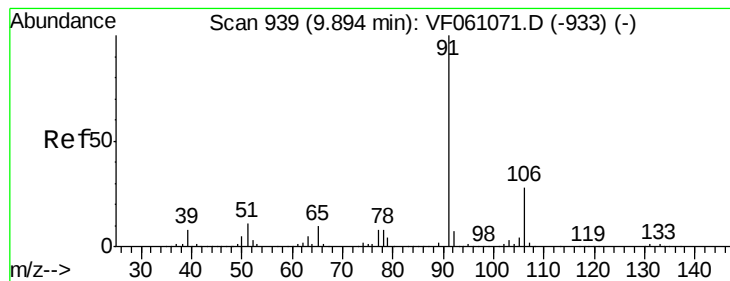
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#66
1,1,1,2-Tetrachloroethane
Concen: 84.571 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.4	49.5	148.7
119	63.8	34.5	103.5





#67

Ethyl Benzene

Concen: 86.520 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1024698

Ion Ratio Lower Upper

91 100

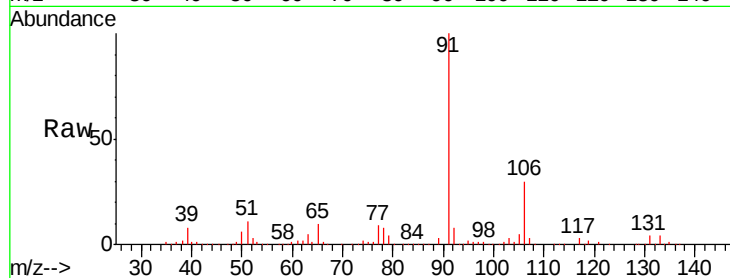
106 29.8 22.5 33.7

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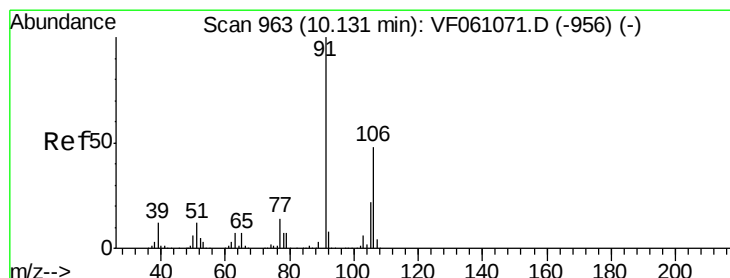
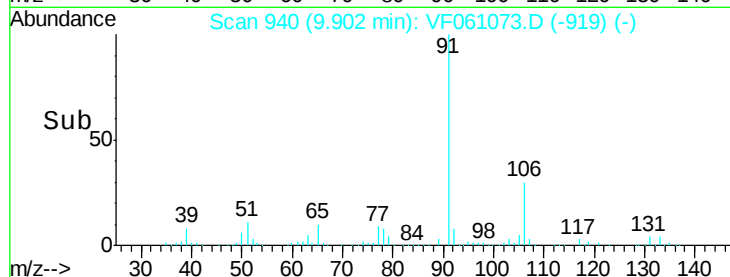
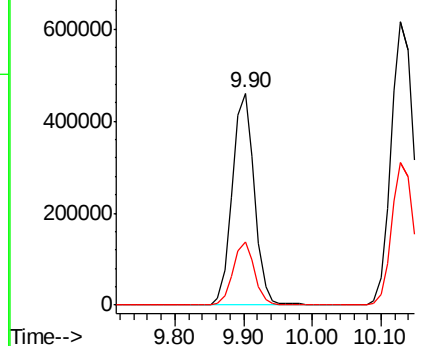
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 162.409 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061073.D

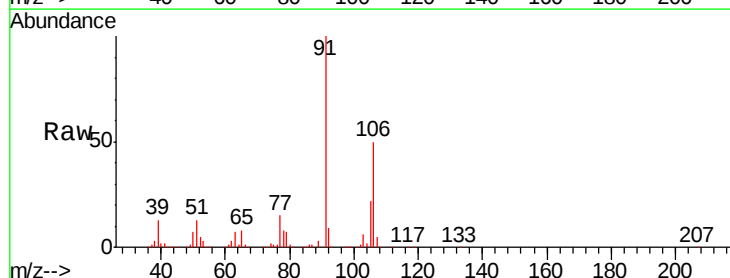
Acq: 18 Dec 2018 20:49

Tgt Ion: 106 Resp: 694206

Ion Ratio Lower Upper

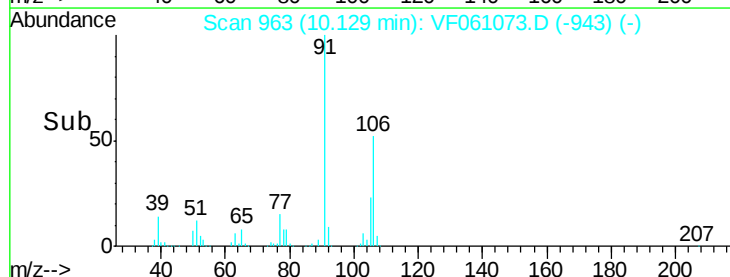
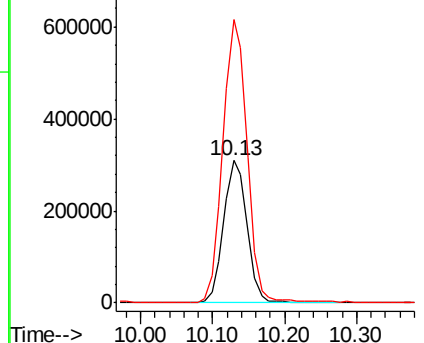
106 100

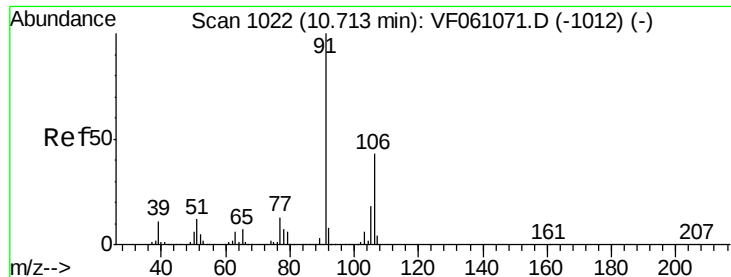
91 198.7 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





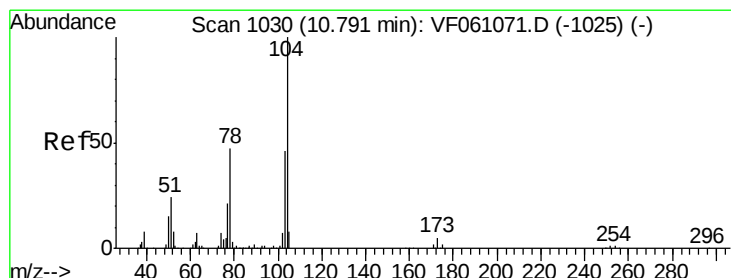
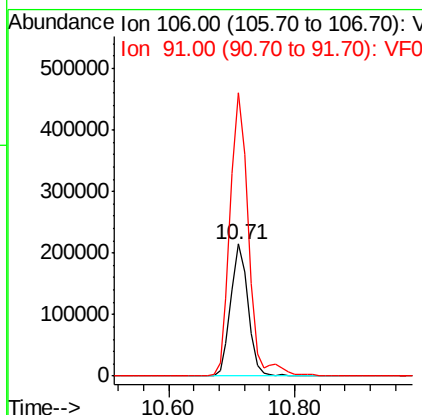
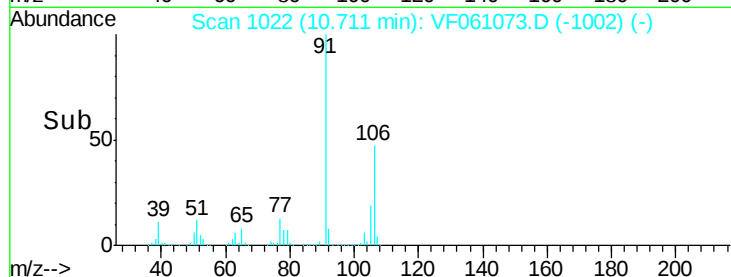
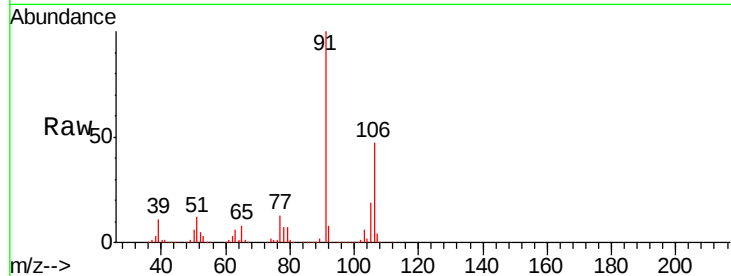
#69
o-Xylene
Concen: 86.619 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampled :
VSTDIC100

Tgt Ion:106 Resp: 407515
Ion Ratio Lower Upper
106 100
91 214.0 115.9 347.7

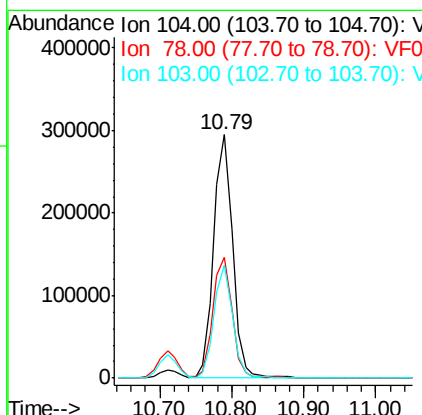
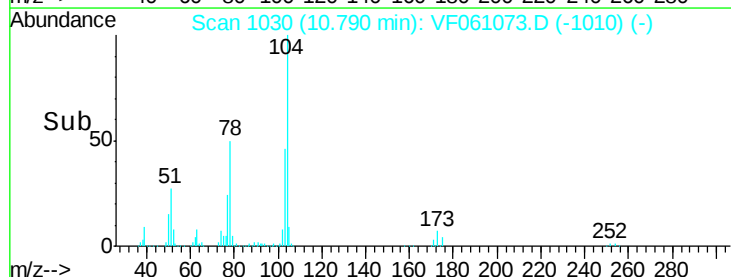
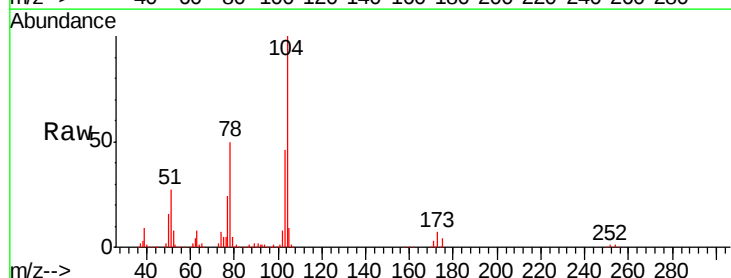
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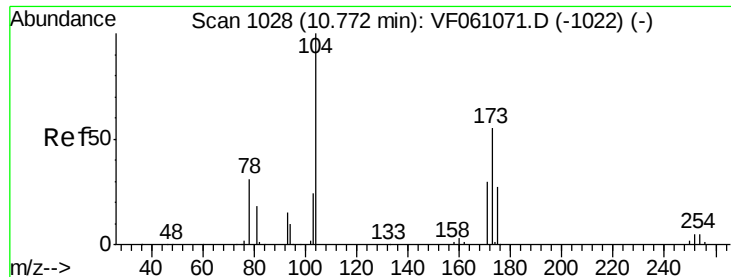
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#70
Styrene
Concen: 82.449 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion:104 Resp: 533904
Ion Ratio Lower Upper
104 100
78 49.6 38.4 57.6
103 46.3 37.0 55.6





#71

Bromoform

Concen: 86.182 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion:173 Resp: 112580

Ion Ratio Lower Upper

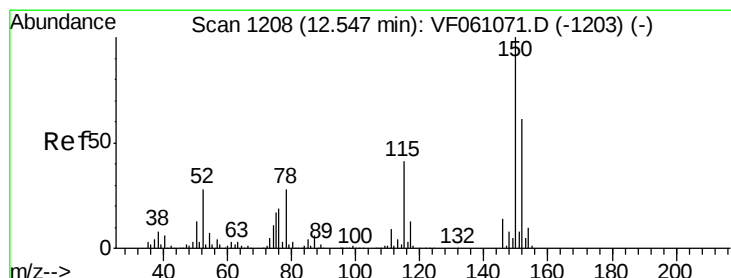
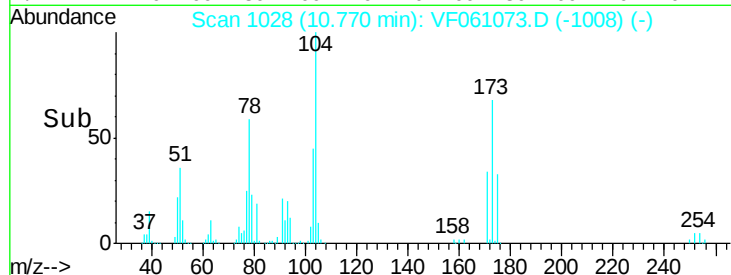
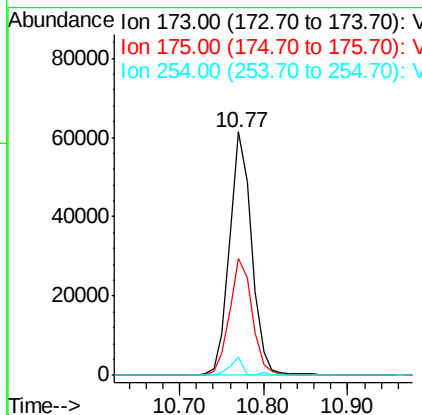
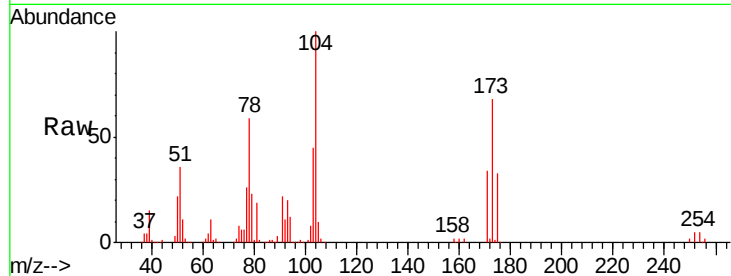
173 100

175 48.6 24.8 74.4

254 7.6 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

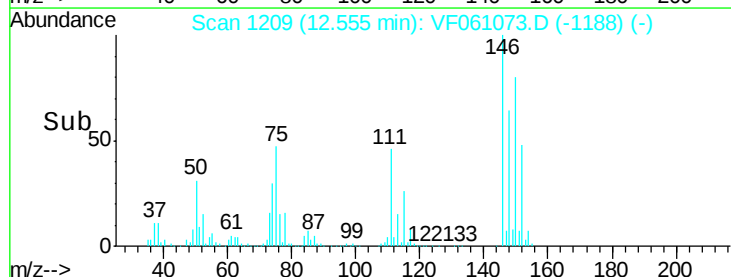
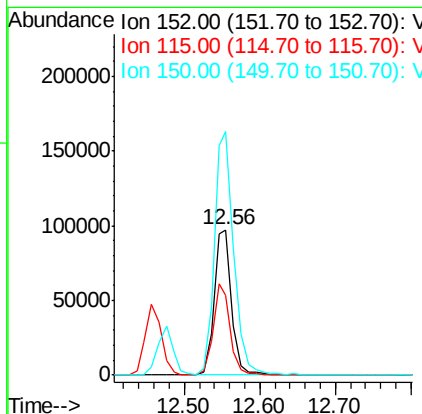
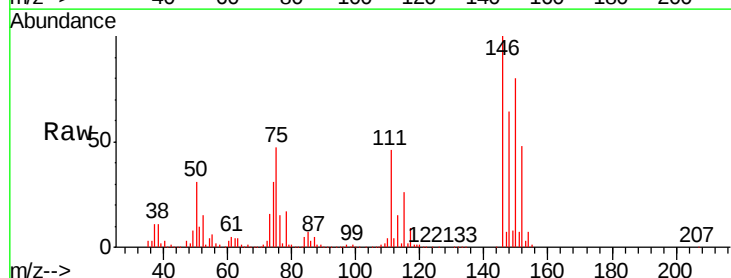
Tgt Ion:152 Resp: 159106

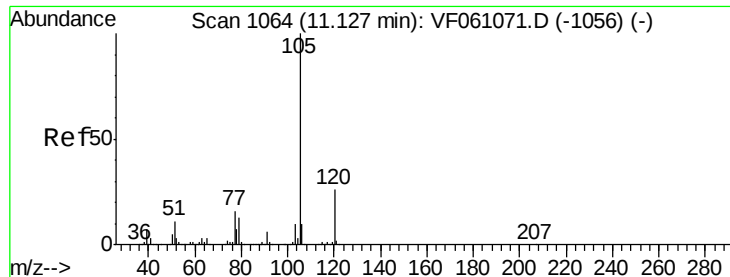
Ion Ratio Lower Upper

152 100

115 55.2 33.3 99.9

150 167.5 0.0 328.2





#73

Isopropylbenzene

Concen: 88.459 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 1127006

Ion Ratio Lower Upper

105 100

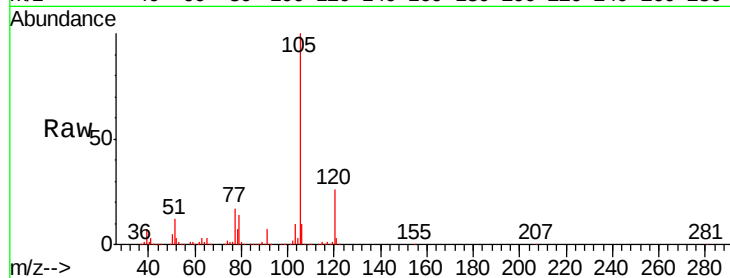
120 26.3 13.0 39.0

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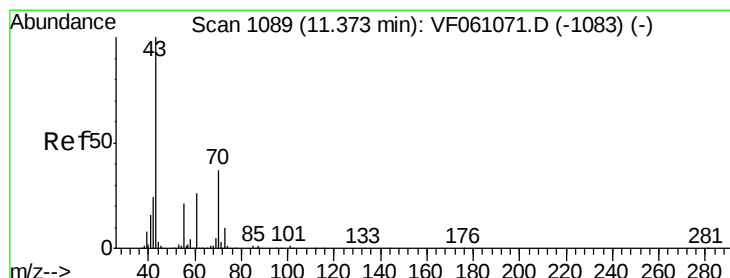
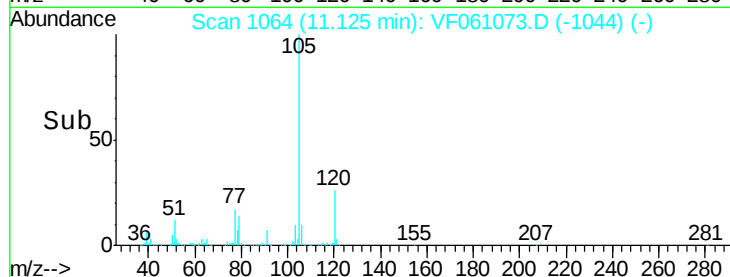
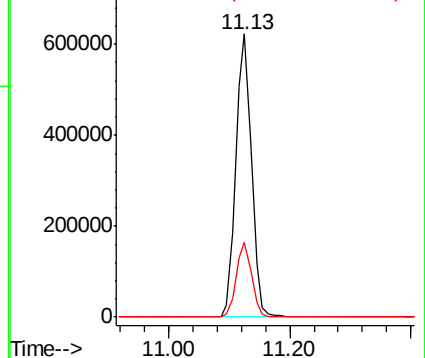
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 89.267 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion: 43 Resp: 259916

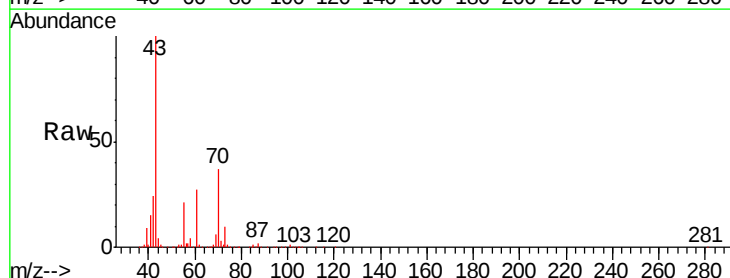
Ion Ratio Lower Upper

43 100

70 36.6 29.2 43.8

55 21.0 16.5 24.7

61 26.7 20.7 31.1

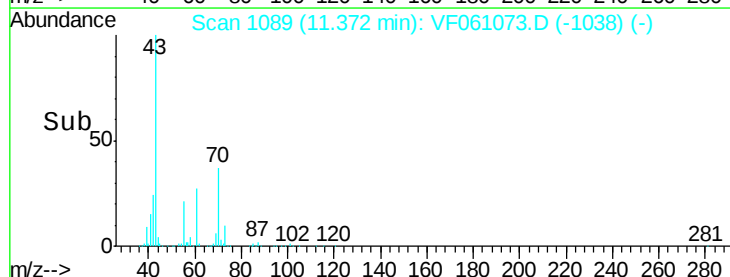
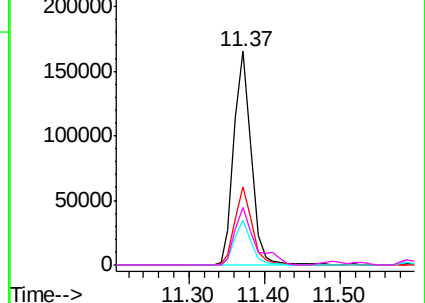


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 88.972 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

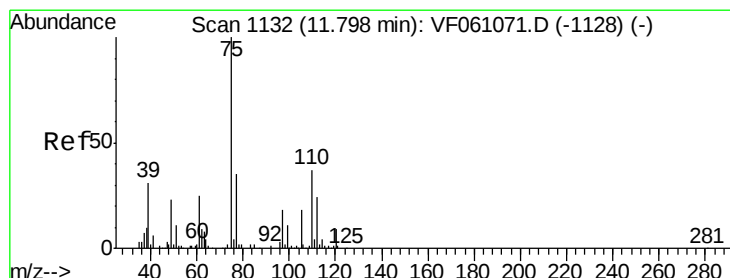
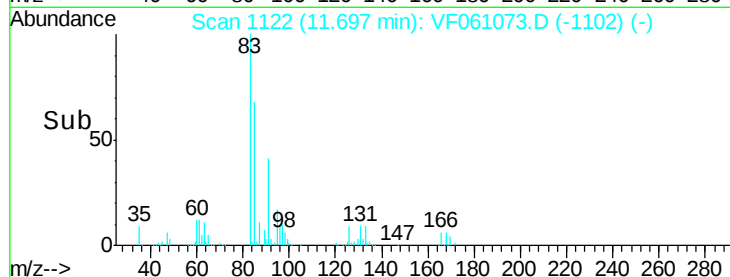
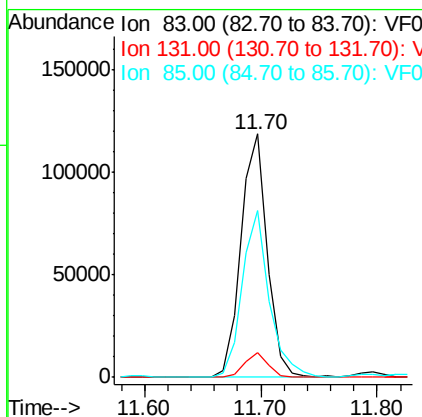
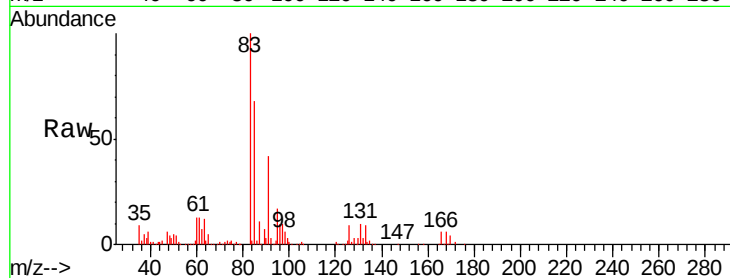
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	185897
Ion Ratio		Lower	Upper
83	100		
131	10.0	4.8	14.3
85	68.3	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 90.911 ug/l

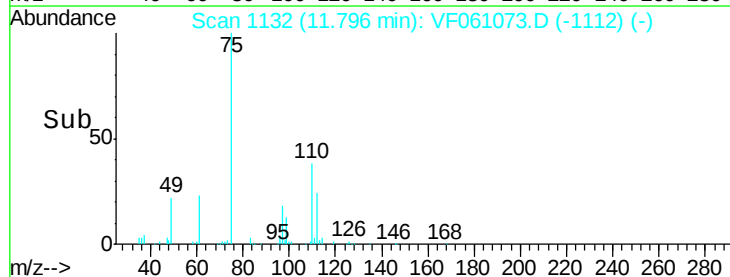
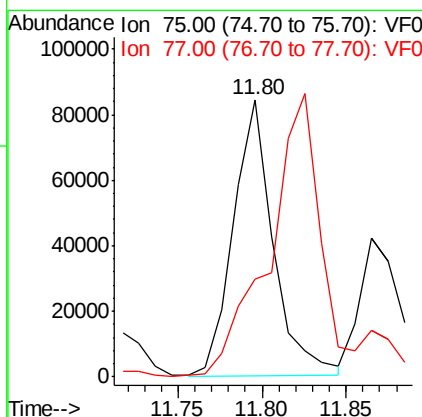
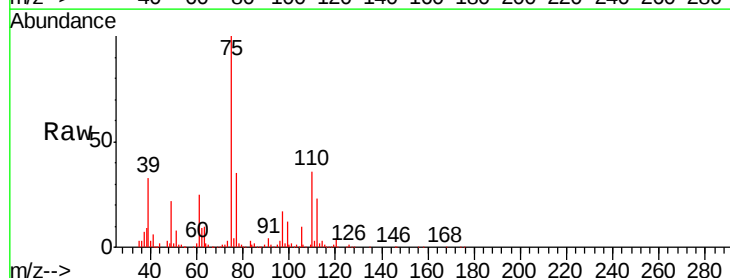
RT: 11.80 min Scan# 1132

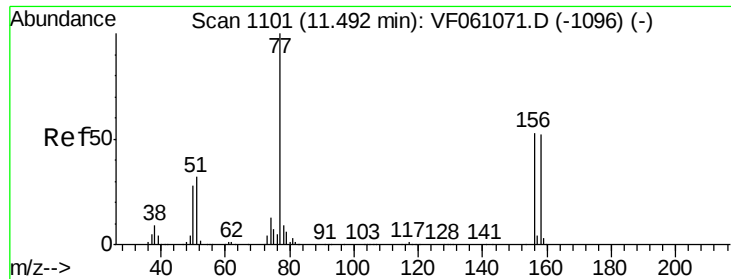
Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion:	75	Resp:	139105
Ion Ratio		Lower	Upper
75	100		
77	35.4	17.6	52.9





#77

Bromobenzene

Concen: 90.733 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

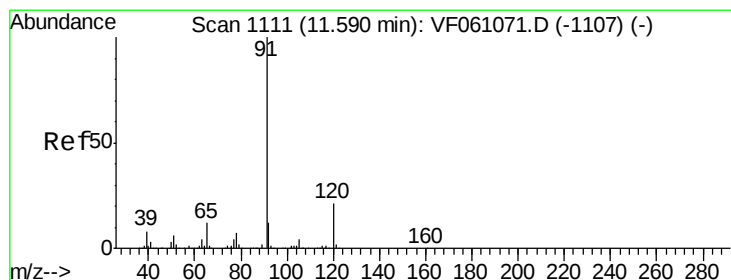
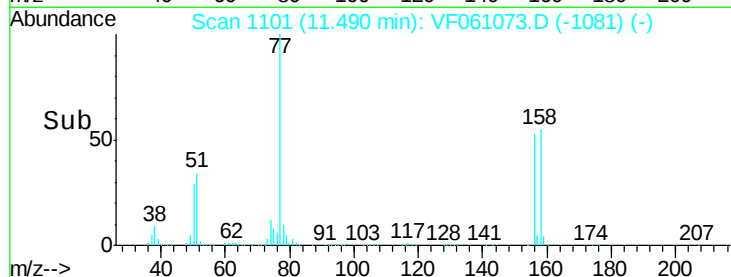
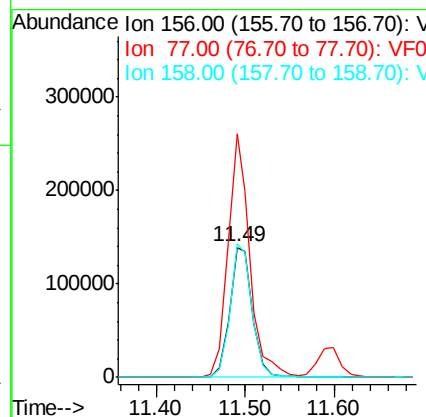
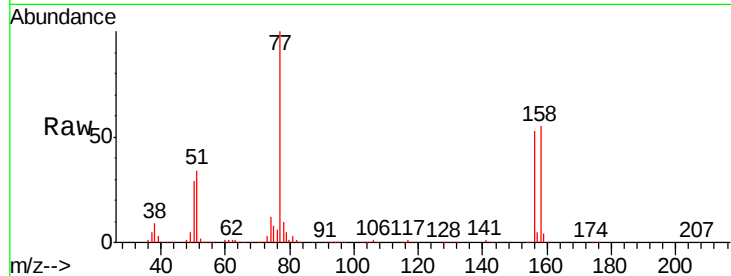
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
156	100		
77	187.4	93.8	281.4
158	102.5	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 84.895 ug/l

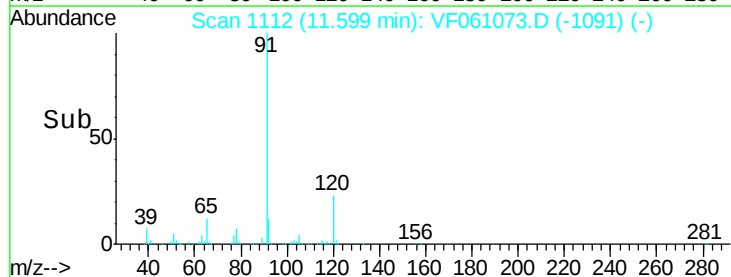
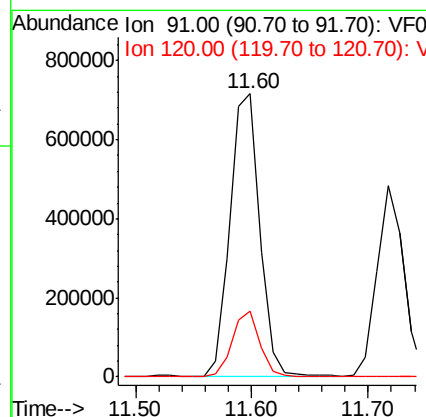
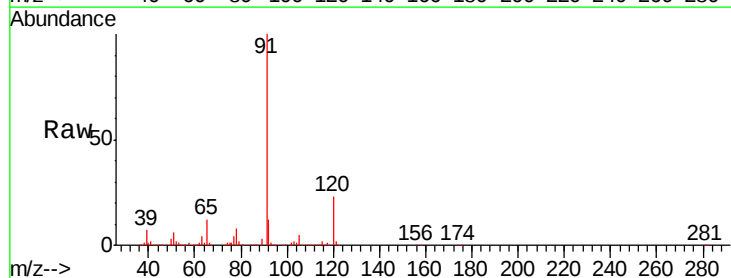
RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	10.4	31.2





#79

2-Chlorotoluene

Concen: 89.766 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 769320

Ion Ratio Lower Upper

91 100

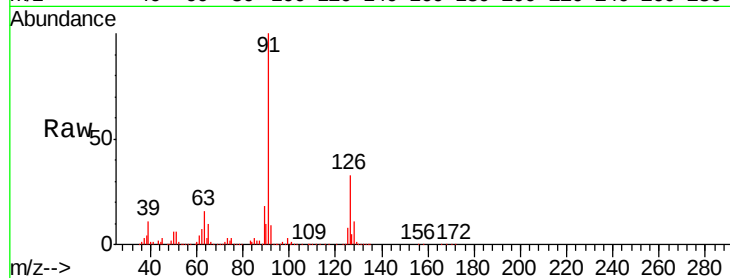
126 32.5 16.4 49.1

Manual Integrations

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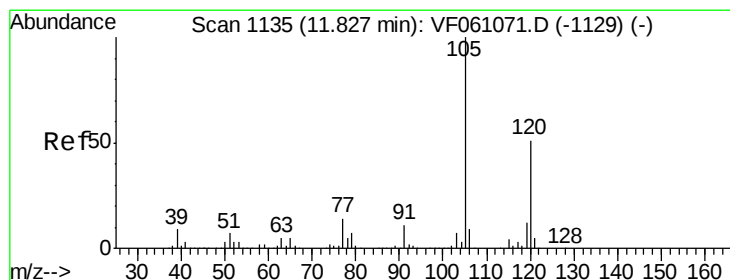
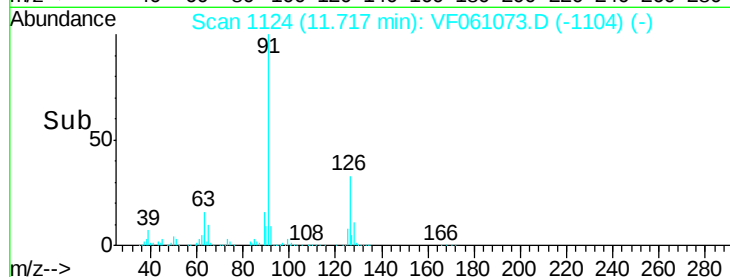
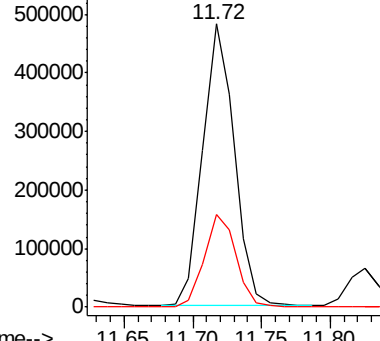
apatel

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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: 88.616 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061073.D

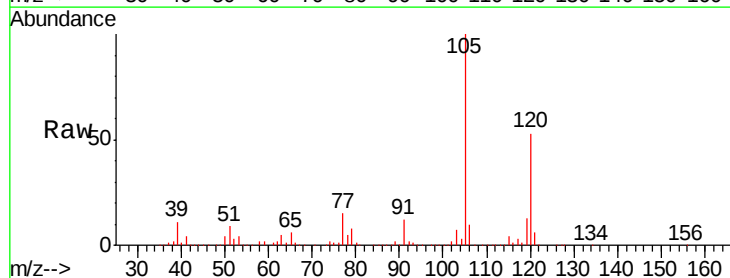
Acq: 18 Dec 2018 20:49

Tgt Ion: 105 Resp: 915852

Ion Ratio Lower Upper

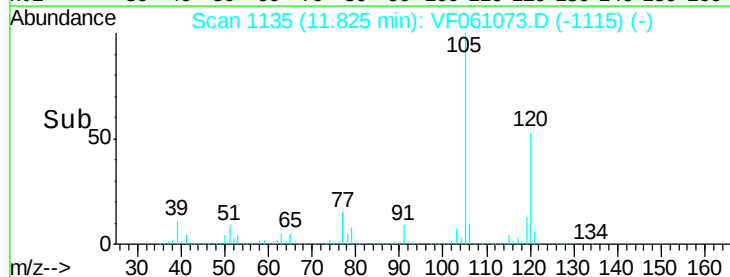
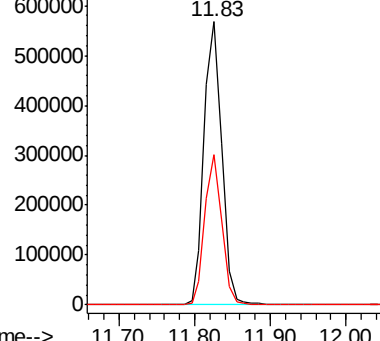
105 100

120 53.0 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: 89.142 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 65623

Ion Ratio Lower Upper

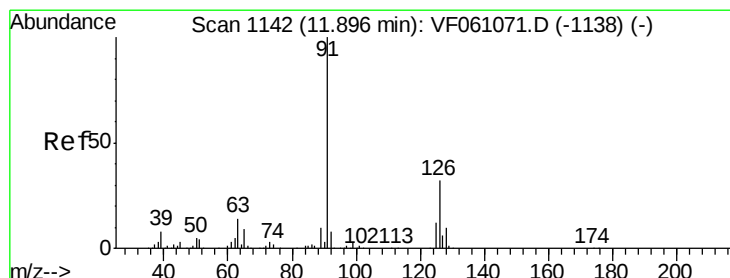
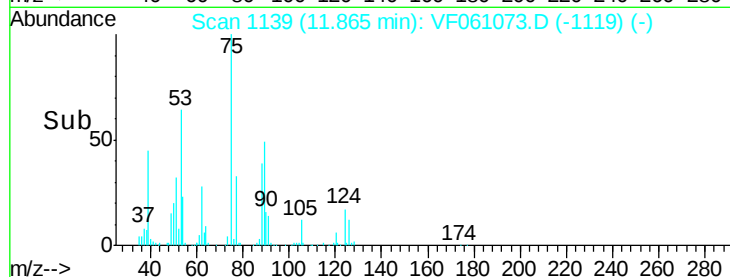
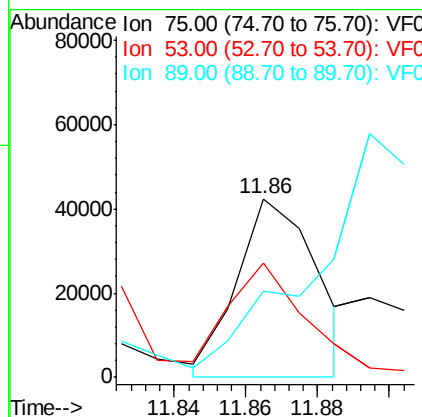
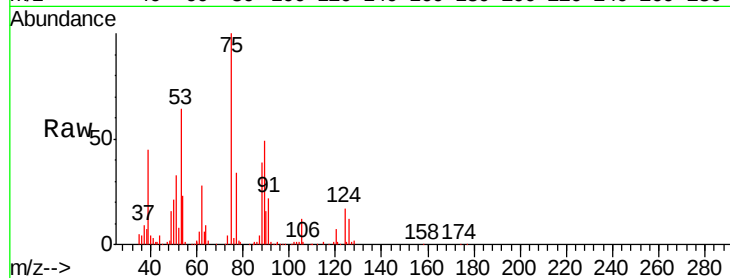
75 100

53 64.0 74.1 111.1#

89 48.6 42.6 64.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 90.918 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061073.D

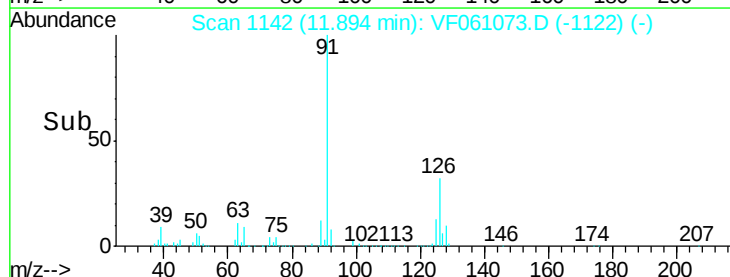
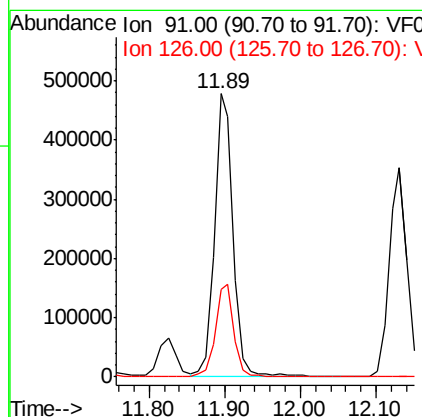
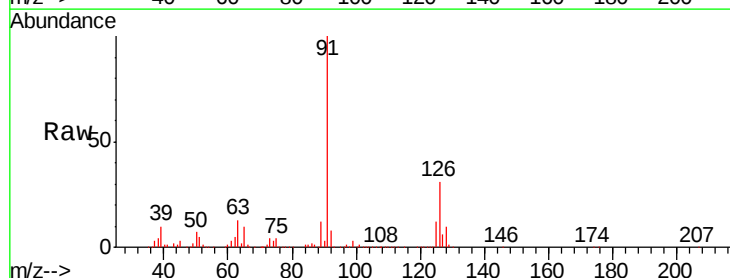
Acq: 18 Dec 2018 20:49

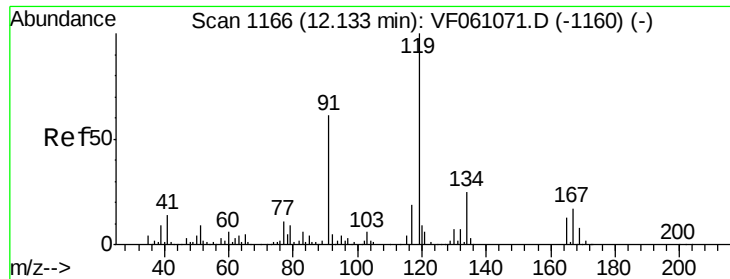
Tgt Ion: 91 Resp: 816971

Ion Ratio Lower Upper

91 100

126 30.9 16.0 47.9





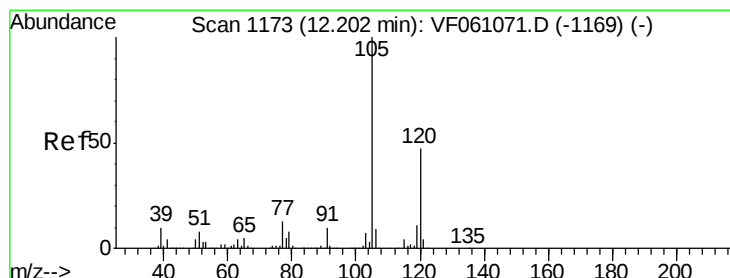
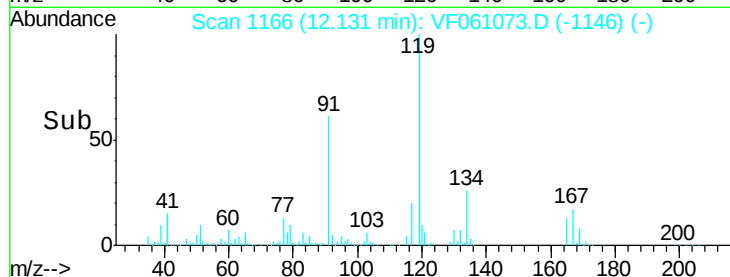
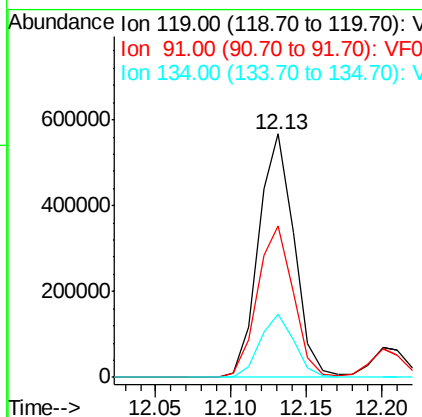
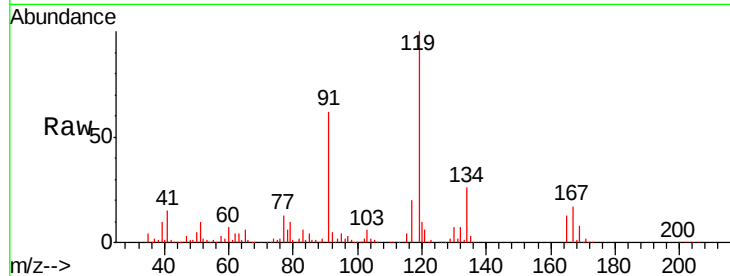
#83
 tert-Butylbenzene
 Concen: 87.973 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	930040		
91	62.4	30.5	91.5	
134	25.9	12.4	37.4	

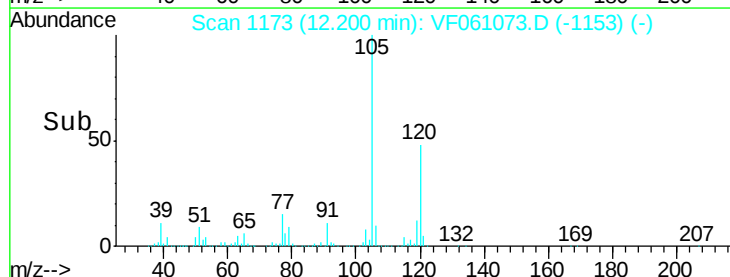
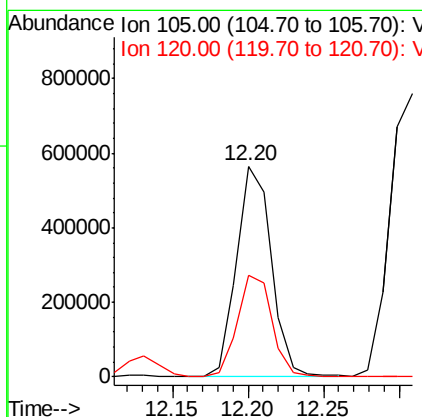
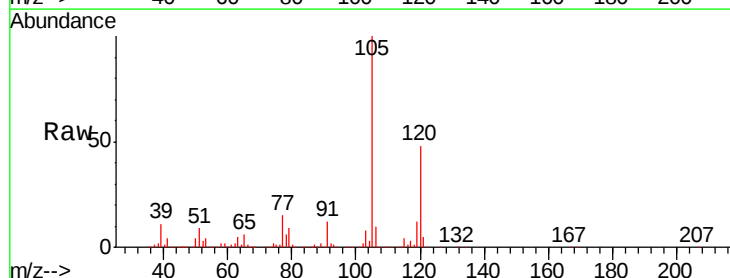
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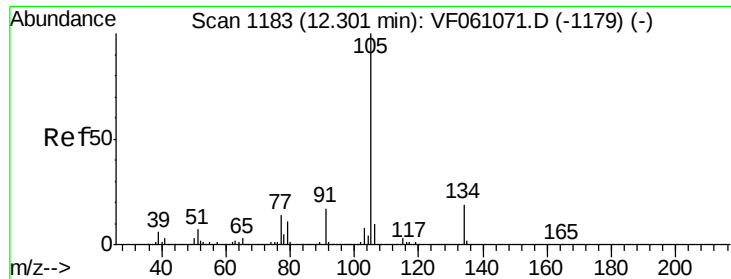
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#84
 1,2,4-Trimethylbenzene
 Concen: 88.439 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	903541		
120	48.1	23.6	71.0	





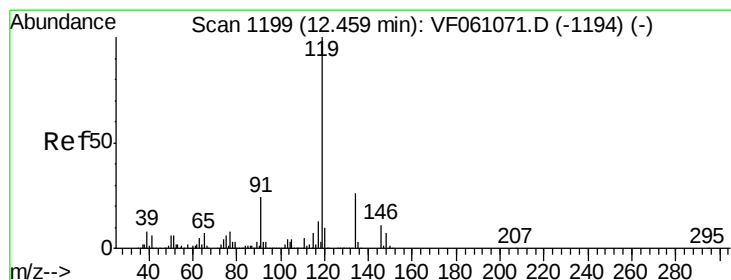
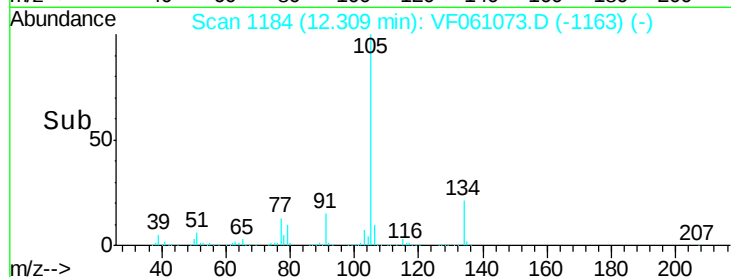
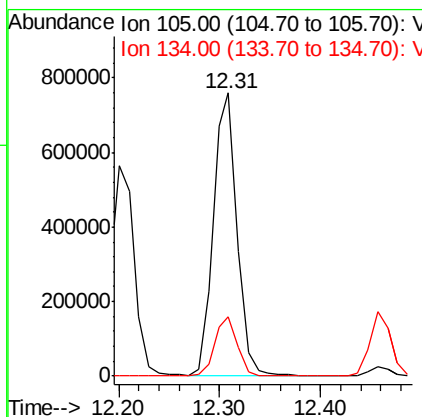
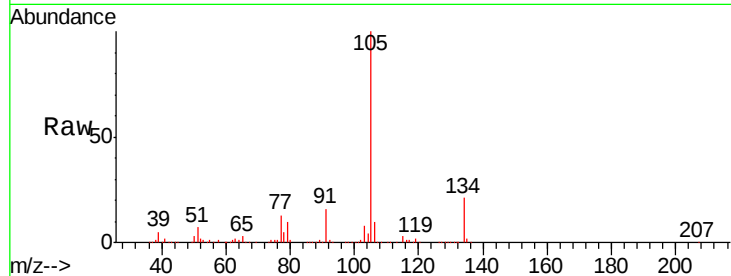
#85
 sec-Butylbenzene
 Concen: 86.498 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 1239543
 Ion Ratio Lower Upper
 105 100
 134 20.9 9.4 28.2

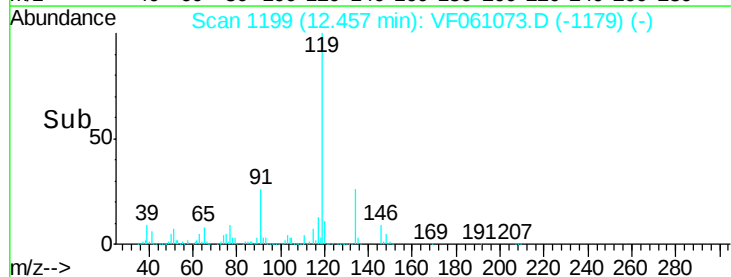
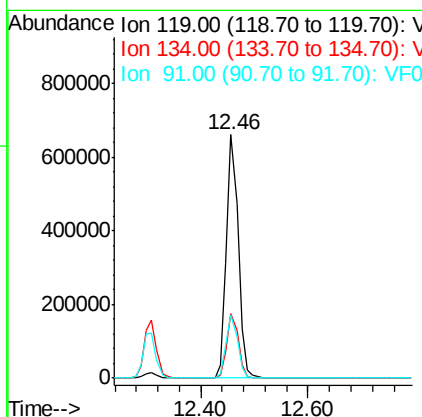
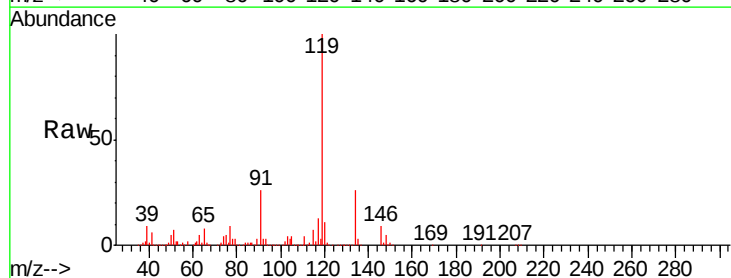
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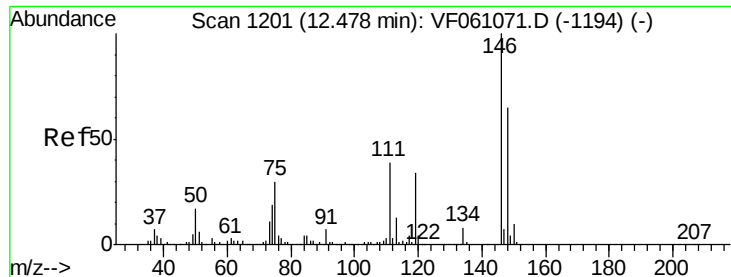
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#86
 p-Isopropyltoluene
 Concen: 81.861 ug/l m
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion:119 Resp: 986690
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.8 38.4
 91 25.9 12.2 36.6





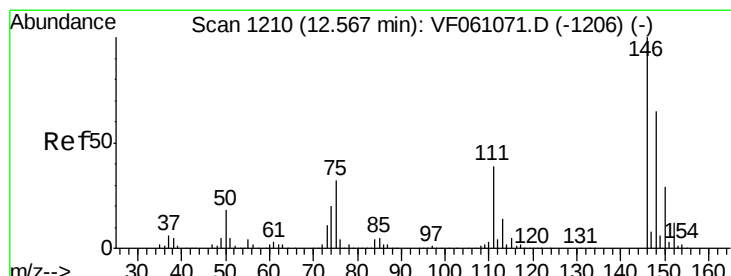
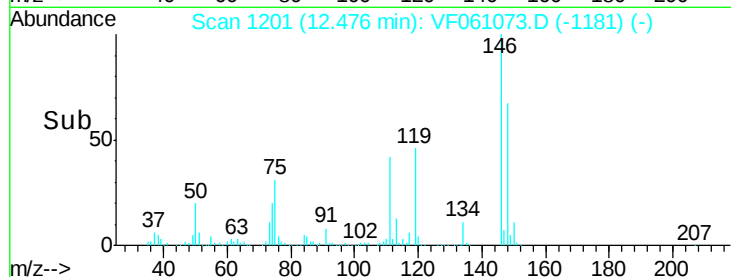
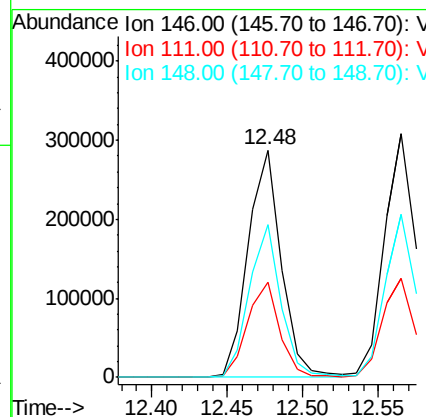
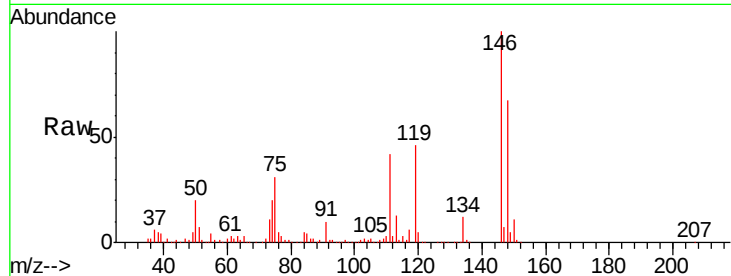
#87
 1,3-Dichlorobenzene
 Concen: 83.899 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.3	57.9
148	67.3	32.4	97.2

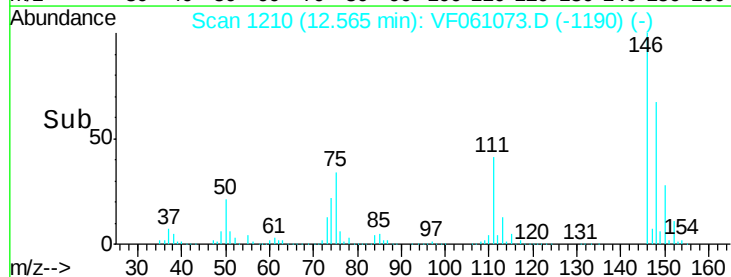
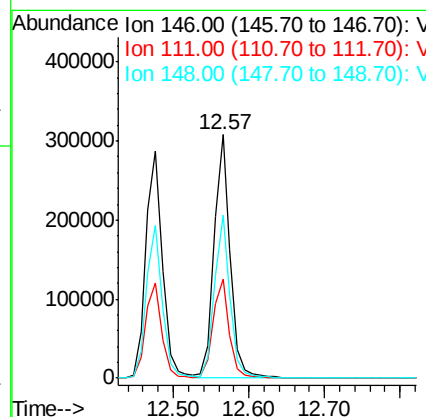
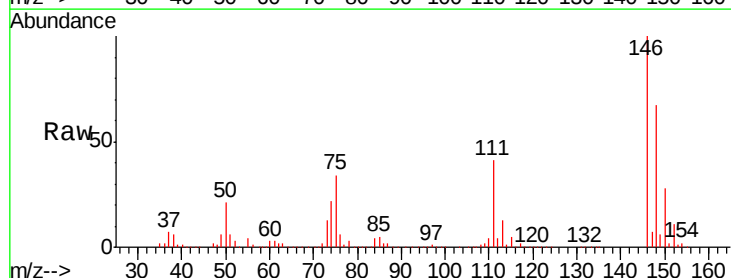
Manual Integrations
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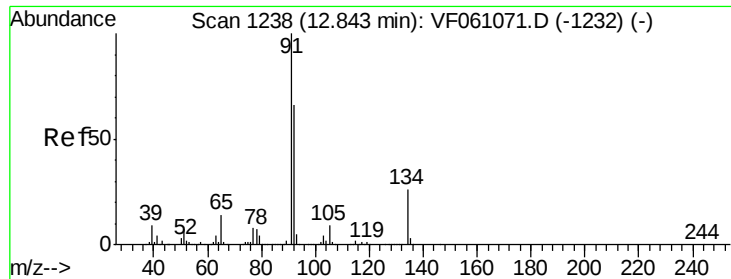
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#88
 1,4-Dichlorobenzene
 Concen: 90.564 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061073.D
 Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.4	58.4
148	66.8	32.4	97.0





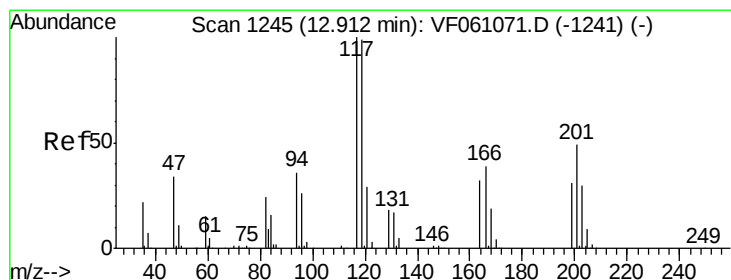
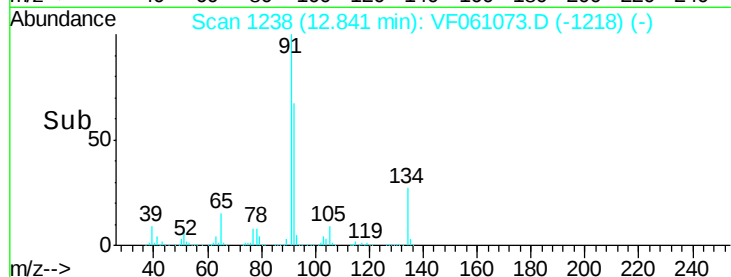
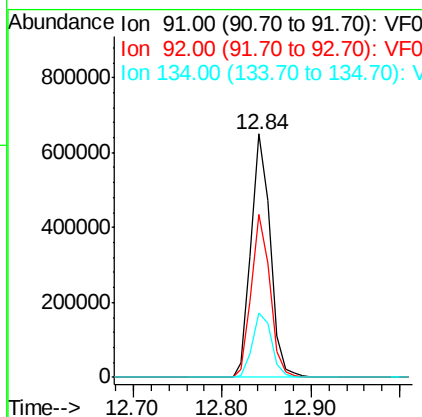
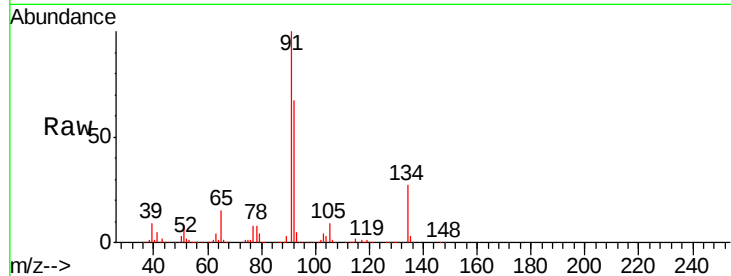
#89
n-Butylbenzene
Concen: 79.635 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.8	32.8	98.4
134	26.5	13.2	39.5

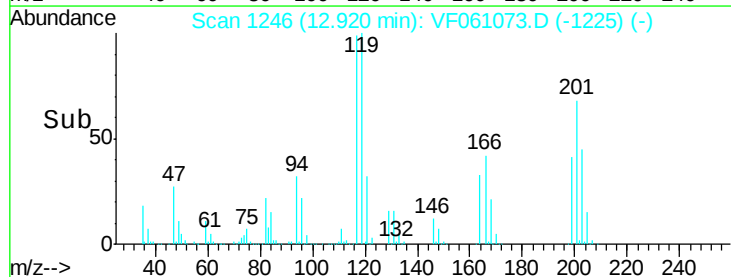
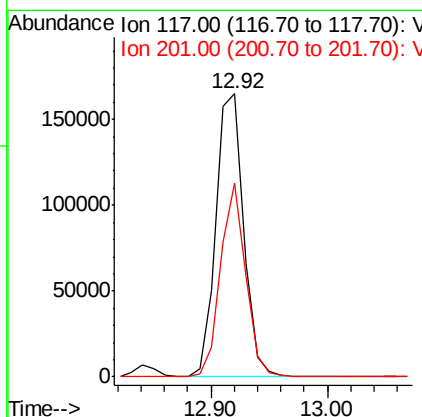
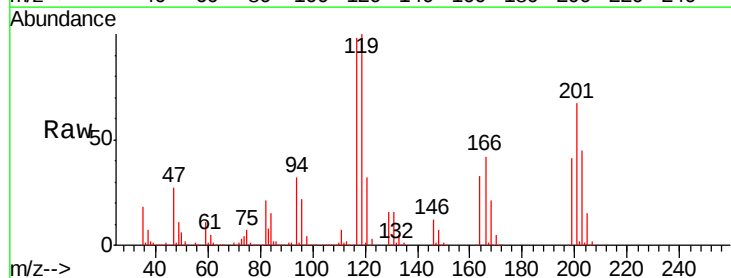
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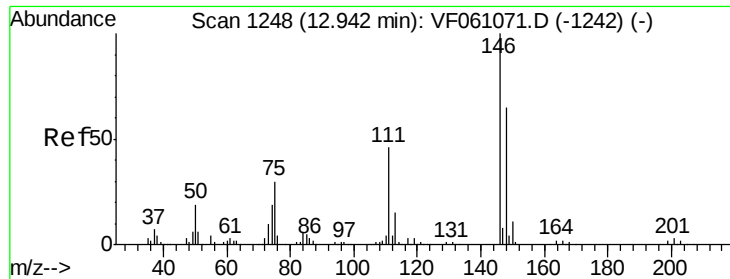
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#90
Hexachloroethane
Concen: 93.901 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	24.9	74.8





#91

1,2-Dichlorobenzene

Concen: 83.339 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

Instrument :

MSVOA_F

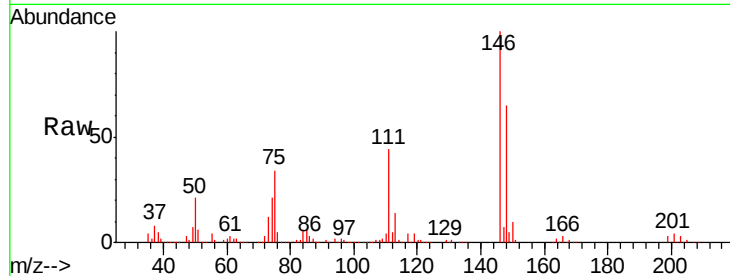
ClientSampleId :

VSTDIC100

Tgt Ion:	146	Resp:	415499
Ion Ratio	Lower	Upper	
146	100		
111	44.2	23.2	69.5
148	65.4	32.4	97.0

Manual Integrations
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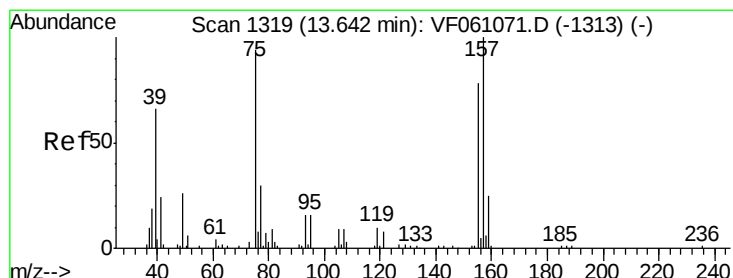
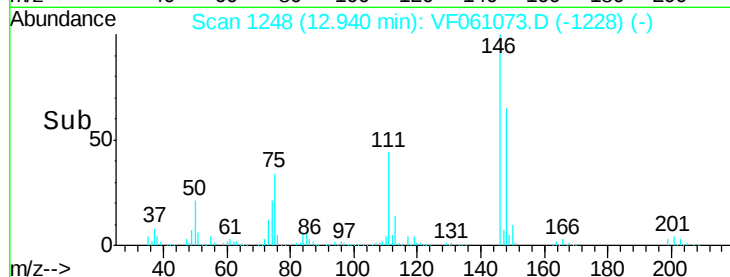
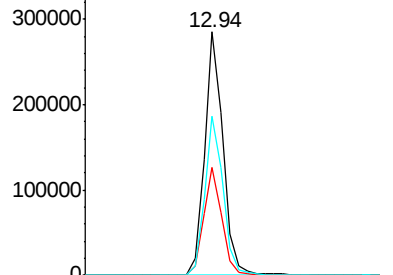
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 95.989 ug/l

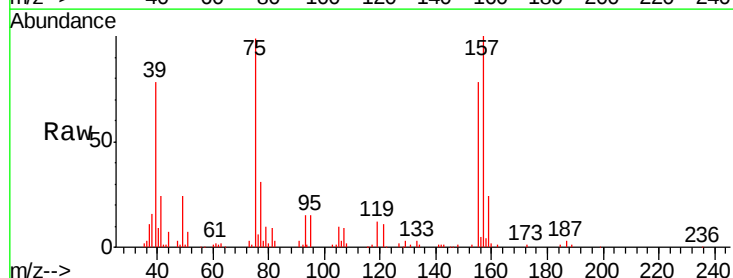
RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061073.D

Acq: 18 Dec 2018 20:49

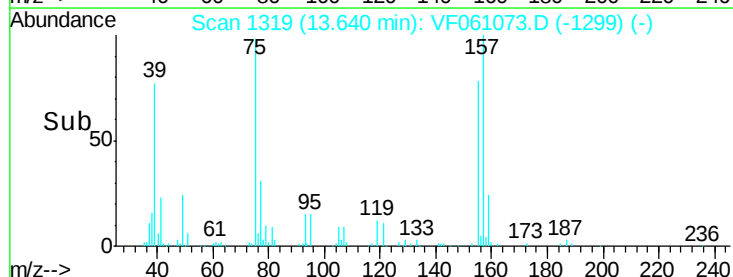
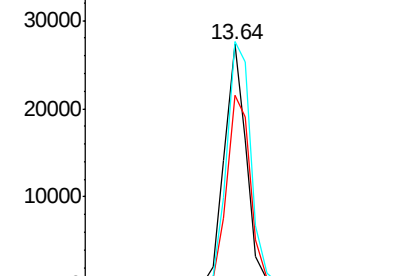
Tgt Ion:	75	Resp:	38779
Ion Ratio	Lower	Upper	
75	100		
155	78.6	41.5	124.5
157	101.2	53.2	159.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





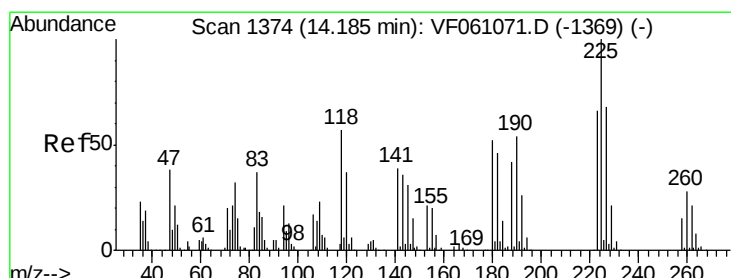
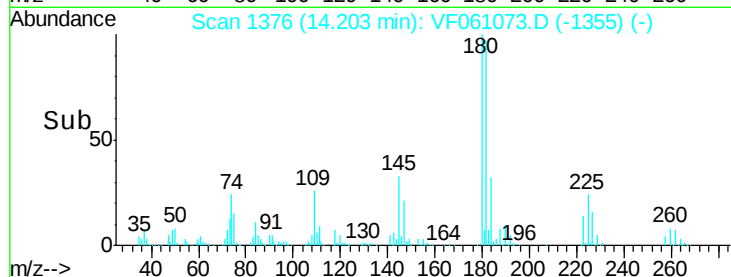
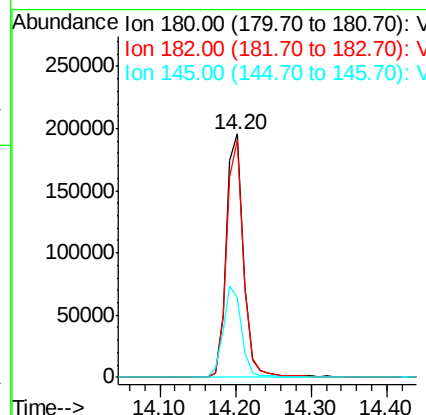
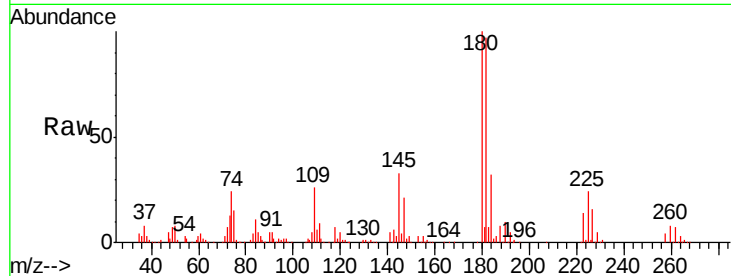
#93
1,2,4-Trichlorobenzene
Concen: 90.159 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	314339		
182	97.4	46.9	140.6	
145	32.5	20.5	61.6	

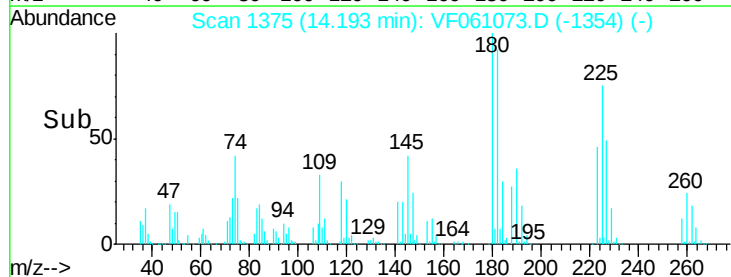
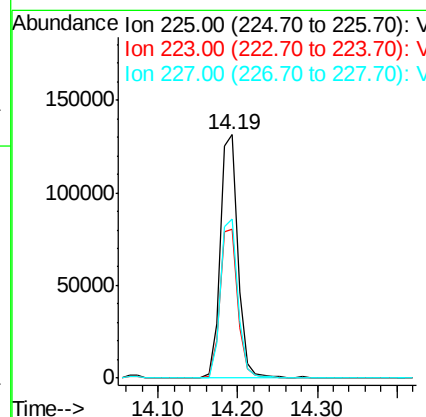
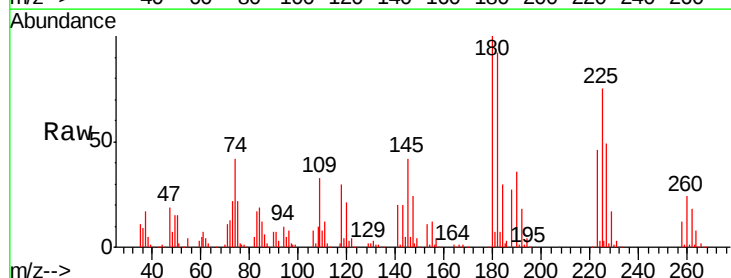
Manual Integrations
APPROVED

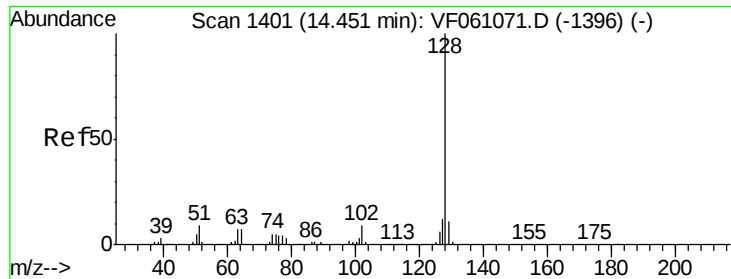
apatel
12/20/2018 10:29:01 AM



#94
Hexachlorobutadiene
Concen: 89.752 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. 0.01 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	208330		
223	61.2	32.8	98.3	
227	65.4	34.0	101.8	





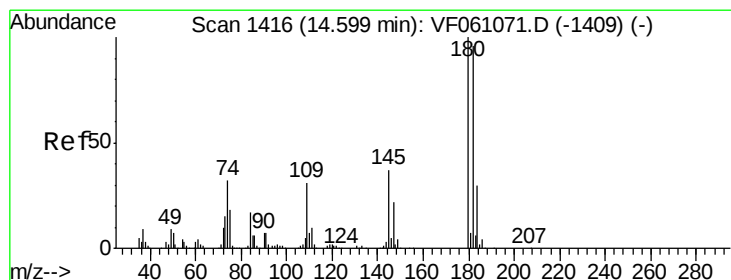
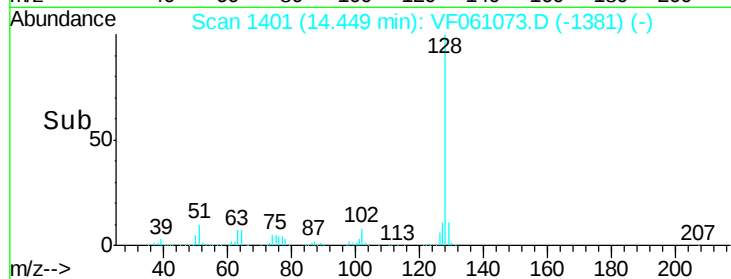
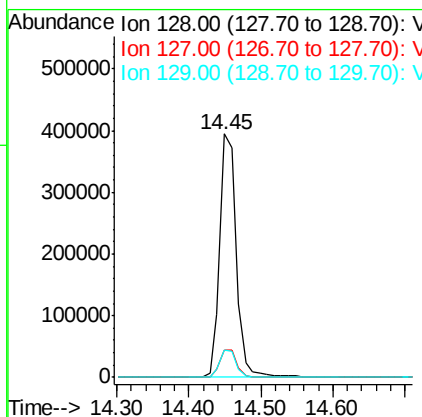
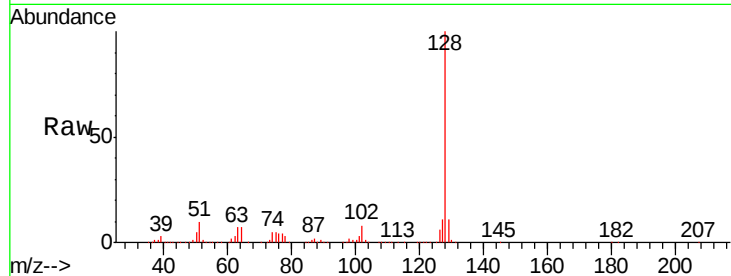
#95
Naphthalene
Concen: 81.532 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	623991		
127	11.2	9.4	14.2	
129	11.2	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 91.261 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061073.D
Acq: 18 Dec 2018 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	299388		
182	99.3	47.9	143.8	
145	37.4	18.6	55.8	

