

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061157.D
 Acq On : 24 Dec 2018 11:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 12/27/2018 12:57:28 PM

Quant Time: Dec 25 00:02:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	210755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	349838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	334719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	154207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	115623	42.65	ug/l	0.00
Spiked Amount			Recovery	=	85.30%	
35) Dibromofluoromethane	4.10	113	135676	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	7.55	98	408854	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.41	95	164334	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	204436	43.637	ug/l	95
3) Chloromethane	1.11	50	141650	52.783	ug/l	98
4) Vinyl Chloride	1.14	62	124369	49.958	ug/l	95
5) Bromomethane	1.33	94	93348	54.061	ug/l	97
6) Chloroethane	1.38	64	61445	53.566	ug/l	92
7) Trichlorofluoromethane	1.48	101	225104	47.357	ug/l	100
8) Diethyl Ether	1.63	74	31925	49.046	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	120497	48.892	ug/l	94
10) Methyl Iodide	1.89	142	197657m	50.878	ug/l	
11) Tert butyl alcohol	2.58	59	27894	255.004	ug/l	99
12) 1,1-Dichloroethene	1.79	96	98896	53.233	ug/l	91
13) Acrolein	2.00	56	21679	274.271	ug/l #	78
14) Allyl chloride	2.09	41	121070	62.622	ug/l	87
15) Acrylonitrile	2.94	53	72954	288.419	ug/l	97
16) Acetone	2.24	43	138216	255.061	ug/l #	91
17) Carbon Disulfide	1.84	76	282587	50.333	ug/l #	93
18) Methyl Acetate	2.34	43	54598	48.699	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	198685	48.182	ug/l	96
20) Methylene Chloride	2.24	84	108136m	63.676	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	101550m	51.107	ug/l	
22) Diisopropyl ether	2.80	45	351919	54.646	ug/l	94
23) Vinyl Acetate	3.19	43	790707	266.148	ug/l	99
24) 1,1-Dichloroethane	2.87	63	205758	53.924	ug/l	98
25) 2-Butanone	4.33	43	232082	264.076	ug/l	100
26) 2,2-Dichloropropane	3.59	77	110221	50.335	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	162692	53.482	ug/l	97
28) Bromochloromethane	3.71	49	95302	49.224	ug/l	93
29) Tetrahydrofuran	4.06	42	91573	256.005	ug/l	98
30) Chloroform	3.86	83	278882	48.744	ug/l	94
31) Cyclohexane	3.69	56	205147	51.813	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	182545	53.232	ug/l	98
36) 1,1-Dichloropropene	4.27	75	211524	50.091	ug/l	97
37) Ethyl Acetate	4.10	43	84747	51.960	ug/l #	74
38) Carbon Tetrachloride	3.99	117	171470	53.321	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	229475	60.573	ug/l	99
40) Benzene	4.63	78	491293	54.100	ug/l	95
41) Methacrylonitrile	4.75	41	46960	52.657	ug/l	93
42) 1,2-Dichloroethane	4.94	62	164339	47.638	ug/l	97
43) Isopropyl Acetate	6.96	43	114137	55.978	ug/l #	99
44) Trichloroethene	5.51	130	142222	49.675	ug/l	96
45) 1,2-Dichloropropane	6.24	63	129527	52.426	ug/l	100
46) Dibromomethane	6.09	93	80794	50.419	ug/l	97
47) Bromodichloromethane	6.38	83	213286	51.227	ug/l	99
48) Methyl methacrylate	6.72	41	73417	51.578	ug/l	89
49) 1,4-Dioxane	6.71	88	9983	966.567	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	367798	263.019	ug/l	98
52) Toluene	7.63	92	321829	53.538	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	167274	49.802	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	223030	52.907	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	90500	50.220	ug/l	94
56) Ethyl methacrylate	8.61	69	105452	54.078	ug/l	97
57) 1,3-Dichloropropane	8.85	76	171708	52.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	92414	246.760	ug/l	97
59) 2-Hexanone	9.49	43	279688	276.571	ug/l	98
60) Dibromochloromethane	8.71	129	131676	50.974	ug/l	94
61) 1,2-Dibromoethane	8.99	107	100162	52.043	ug/l	98
64) Tetrachloroethene	8.15	164	129230	50.189	ug/l	97
65) Chlorobenzene	9.80	112	363664	52.592	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	133390	47.204	ug/l	97
67) Ethyl Benzene	9.90	91	634910	50.400	ug/l	96
68) m/p-Xylenes	10.13	106	470124	106.042	ug/l	93
69) o-Xylene	10.71	106	249748	50.794	ug/l	90
70) Styrene	10.79	104	345024	58.407	ug/l	99
71) Bromoform	10.77	173	65279	49.932	ug/l #	100
73) Isopropylbenzene	11.13	105	736230	55.402	ug/l	99
74) N-amyl acetate	11.37	43	163526	55.426	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	114148	51.756	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	81997	49.958	ug/l	99
77) Bromobenzene	11.49	156	147565	51.585	ug/l	95
78) n-propylbenzene	11.59	91	830875	55.598	ug/l	99
79) 2-Chlorotoluene	11.72	91	466720	51.197	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	546115	49.908	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	39591m	56.134	ug/l	
82) 4-Chlorotoluene	11.90	91	468783	49.710	ug/l	100
83) tert-Butylbenzene	12.13	119	577244	51.265	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	548319	50.250	ug/l	98
85) sec-Butylbenzene	12.30	105	774727	52.723	ug/l	97
86) p-Isopropyltoluene	12.46	119	648609	53.178	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	279842	61.142	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	273618	52.090	ug/l	98
89) n-Butylbenzene	12.84	91	646541	53.312	ug/l	99
90) Hexachloroethane	12.91	117	157832	52.376	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	258604	50.567	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21532	53.202	ug/l	94

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	183042	50.468	ug/l	98
94) Hexachlorobutadiene	14.19	225	122233	52.915	ug/l	95
95) Naphthalene	14.45	128	335529	50.663	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	172348	51.403	ug/l	98

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

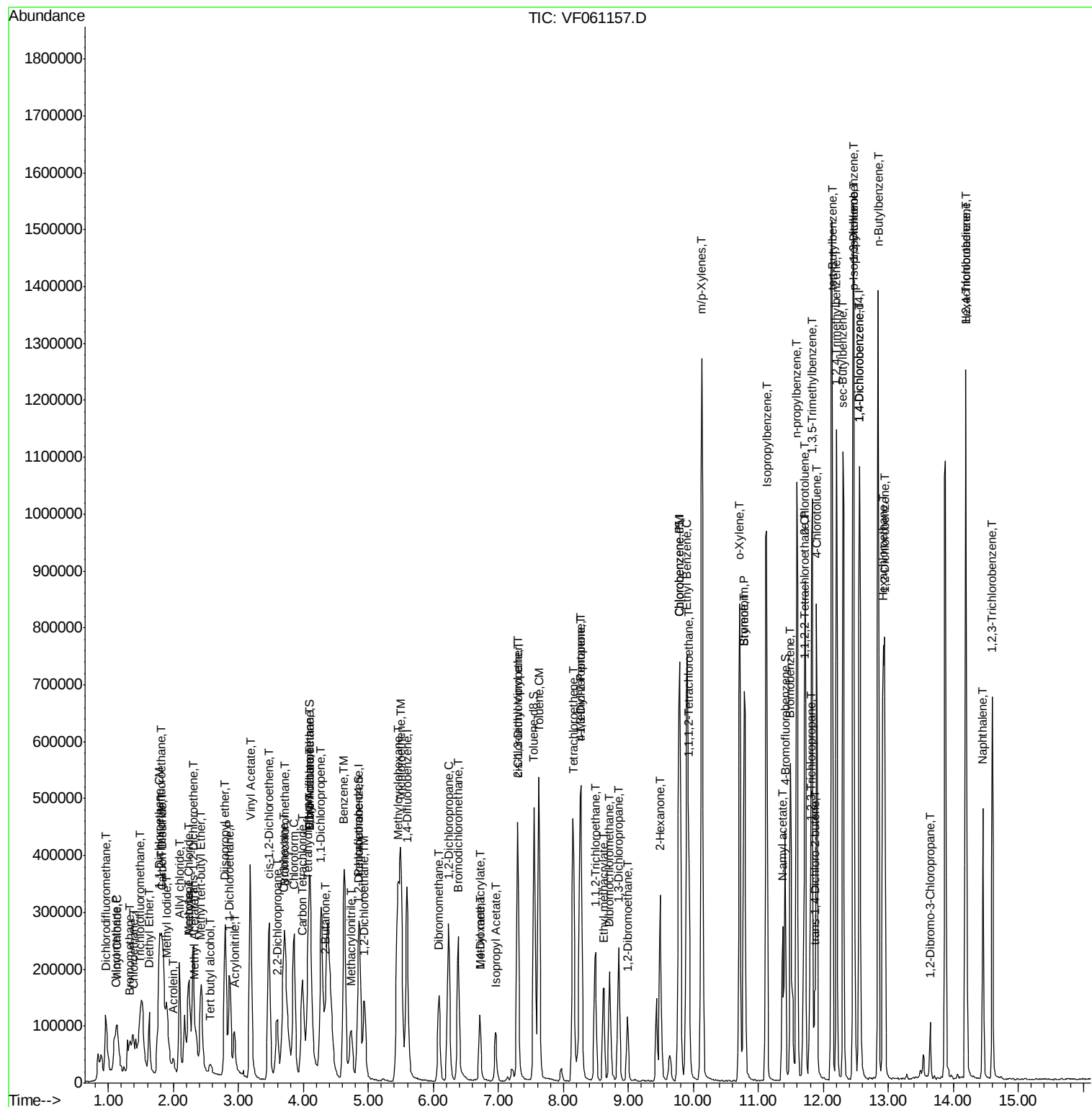
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 Data File : VF061157.D
 Acq On : 24 Dec 2018 11:06
 Operator : VA/AP
 Sample : VSTDC0050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

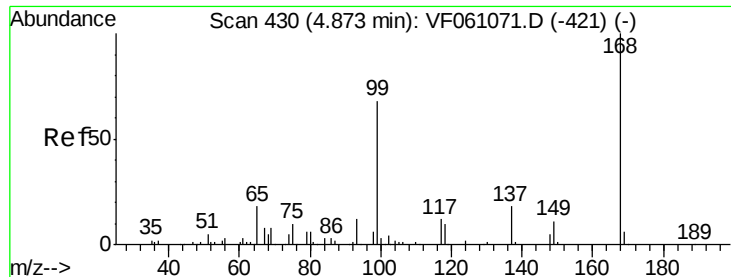
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 ClientSampleId :
 VSTDC0050

Manual Integrations
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 210755

Ion Ratio Lower Upper

168 100

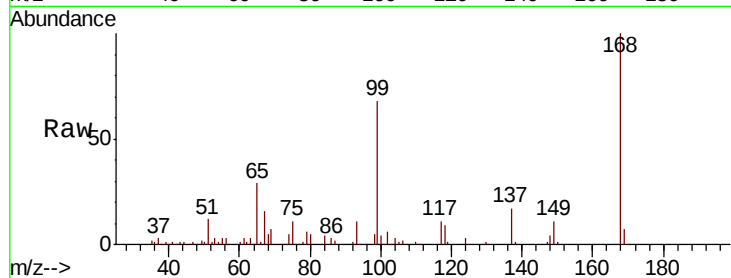
99 67.8 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

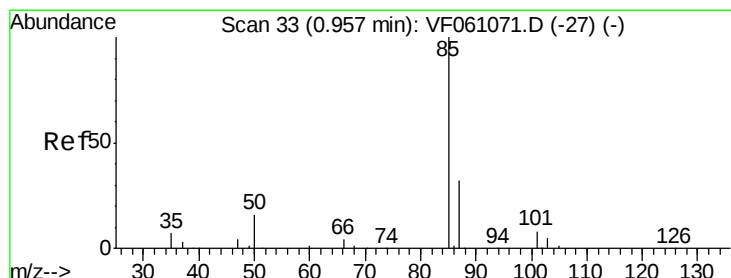
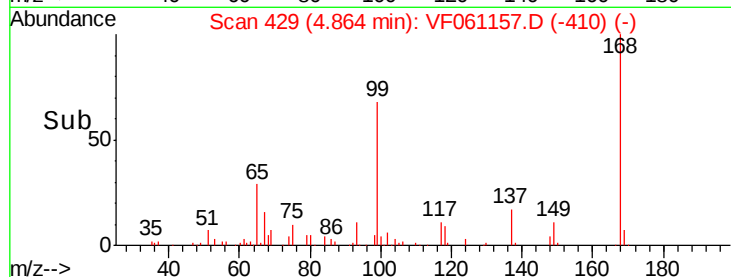
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 43.637 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061157.D

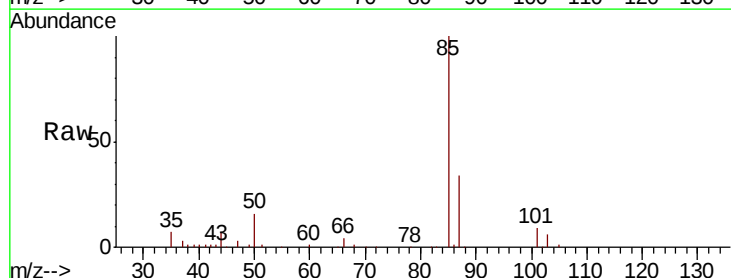
Acq: 24 Dec 2018 11:06

Tgt Ion: 85 Resp: 204436

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

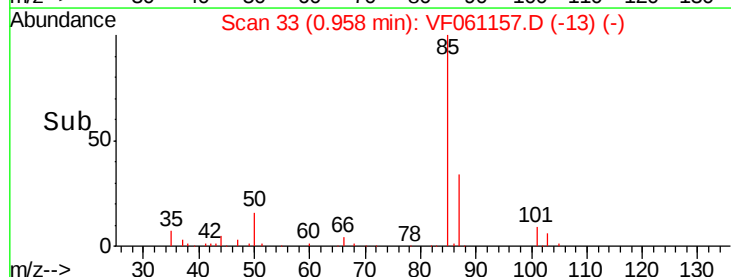
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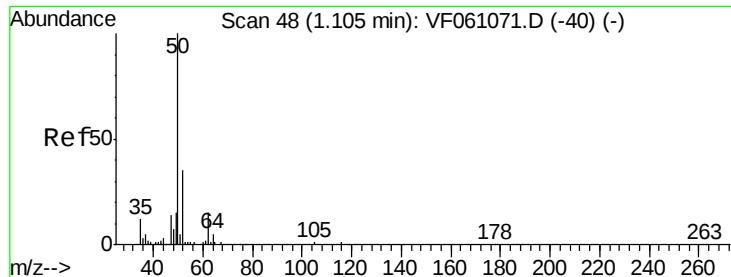
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Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 52.783 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 141650

Ion Ratio Lower Upper

50 100

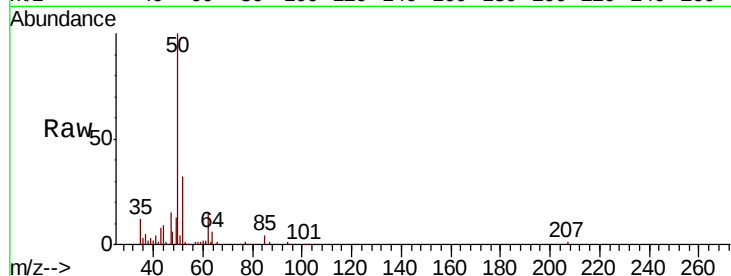
52 31.5 26.3 39.5

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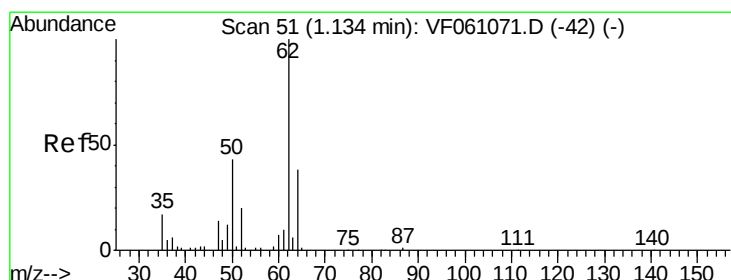
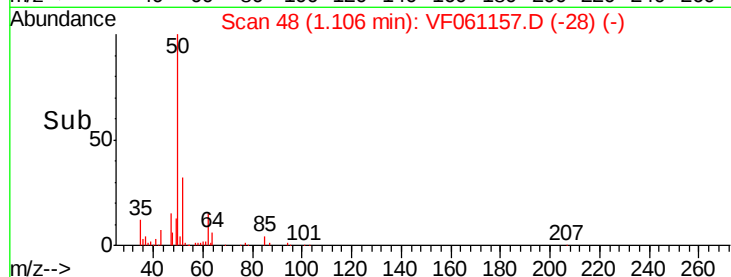
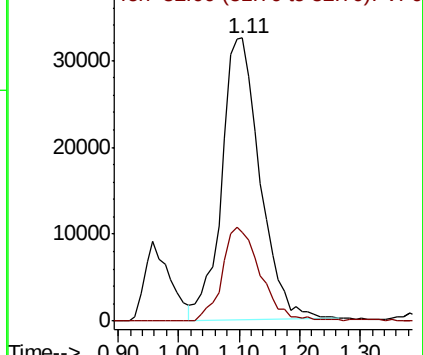
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 49.958 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061157.D

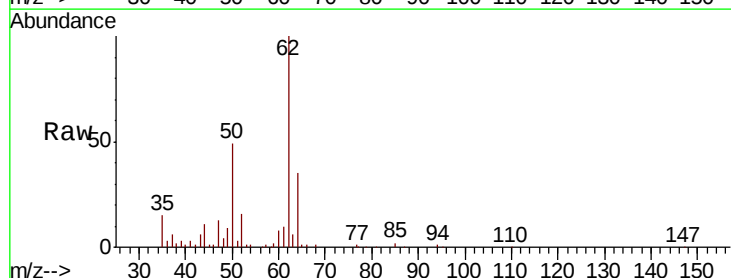
Acq: 24 Dec 2018 11:06

Tgt Ion: 62 Resp: 124369

Ion Ratio Lower Upper

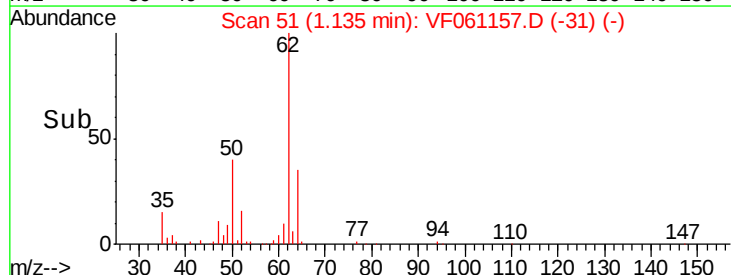
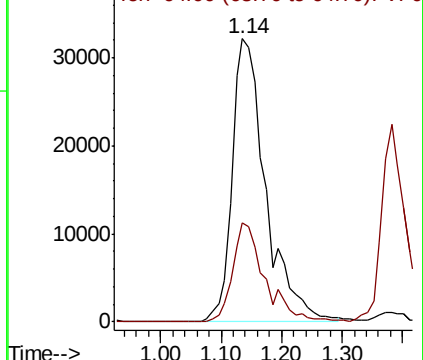
62 100

64 35.1 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 54.061 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 93348

Ion Ratio Lower Upper

94 100

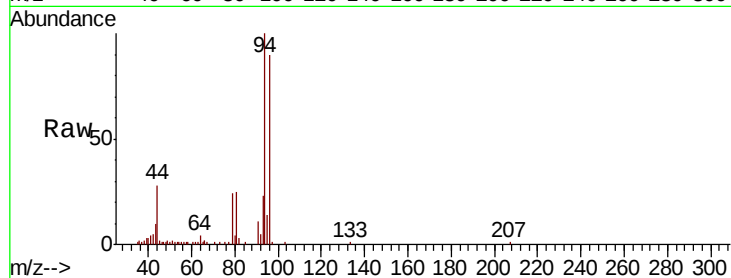
96 90.3 74.4 111.6

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

20000

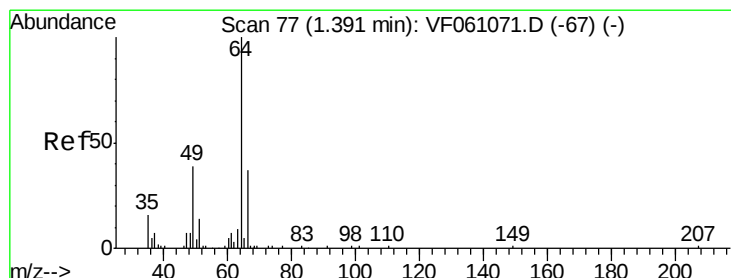
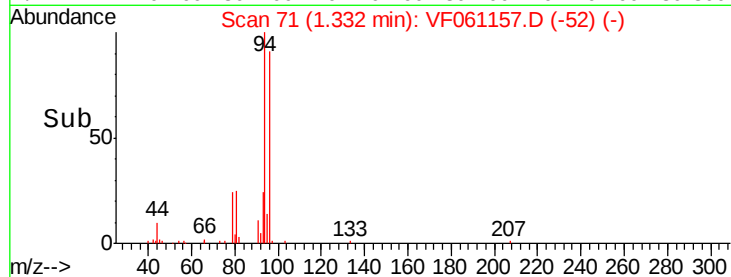
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 53.566 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061157.D

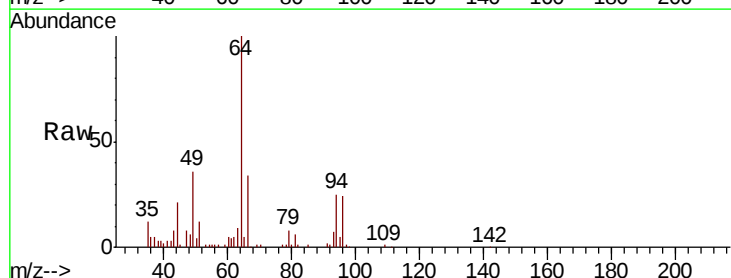
Acq: 24 Dec 2018 11:06

Tgt Ion: 64 Resp: 61445

Ion Ratio Lower Upper

64 100

66 33.8 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.38

25000

20000

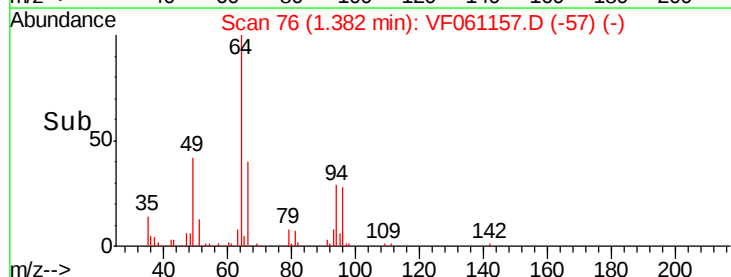
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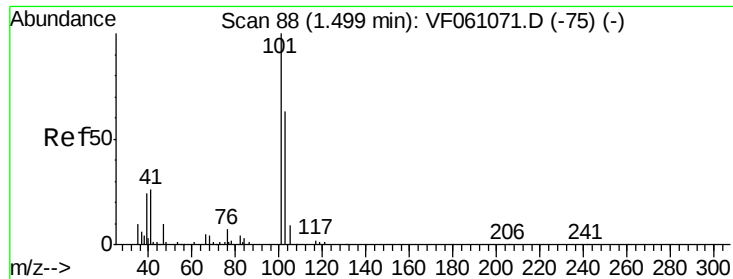
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5000

0

Time-->





#7

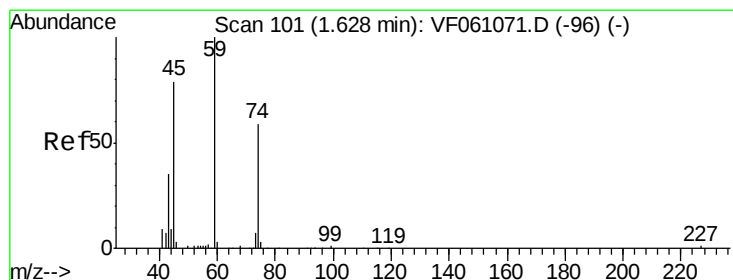
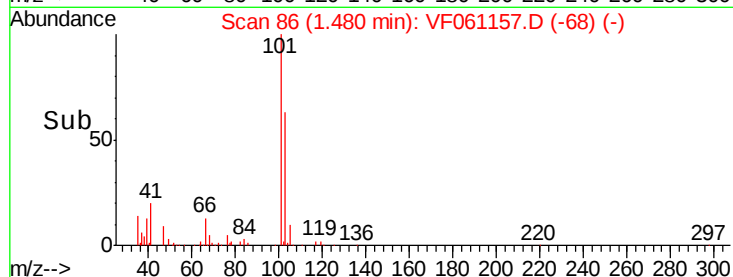
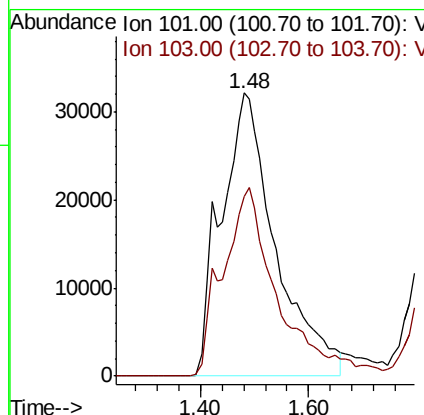
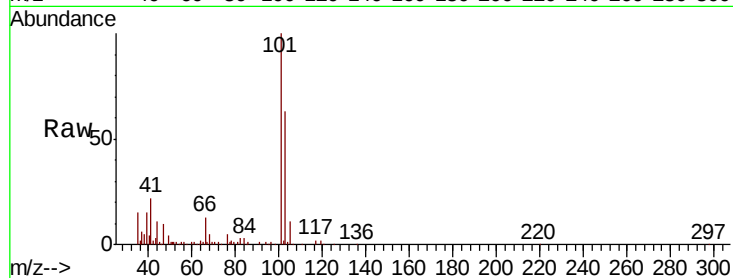
Trichlorofluoromethane
Concen: 47.357 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 225104
Ion Ratio Lower Upper
101 100
103 63.3 50.7 76.1

Manual Integrations
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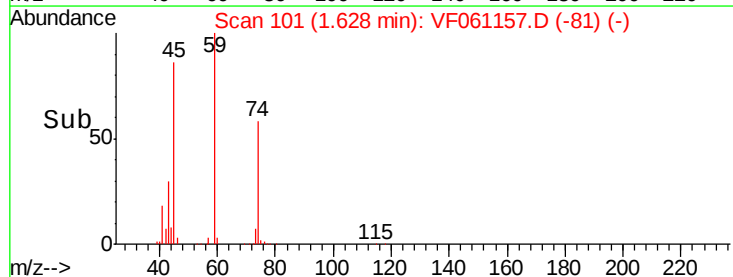
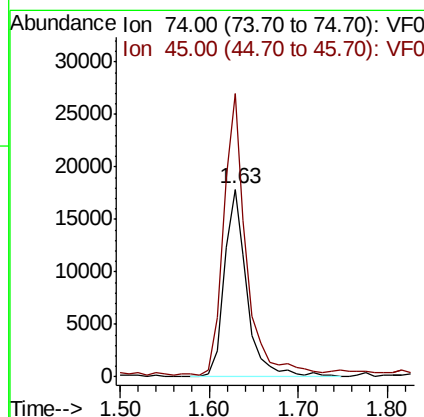
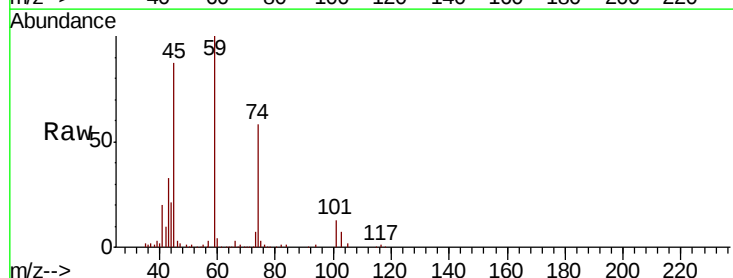
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#8

Diethyl Ether
Concen: 49.046 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 74 Resp: 31925
Ion Ratio Lower Upper
74 100
45 151.0 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.892 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

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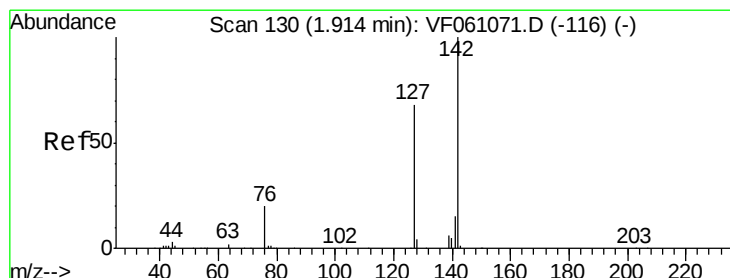
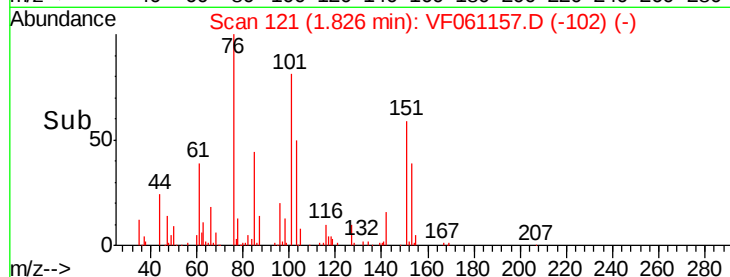
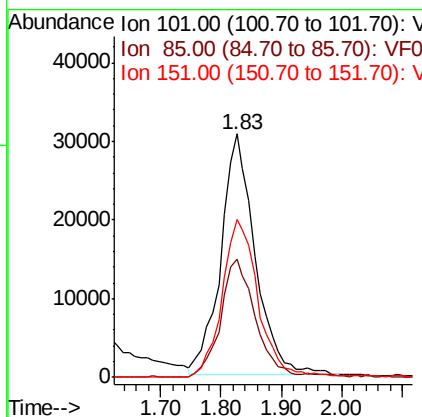
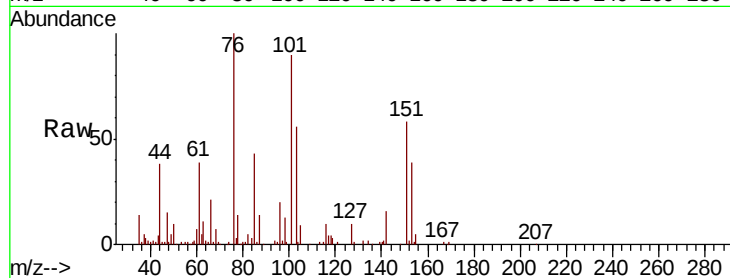
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	120497
Ion Ratio	Lower	Upper	
101	100		
85	48.5	44.5	66.7
151	65.0	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 50.878 ug/l m

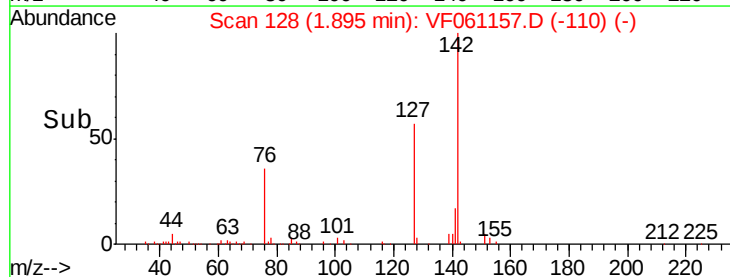
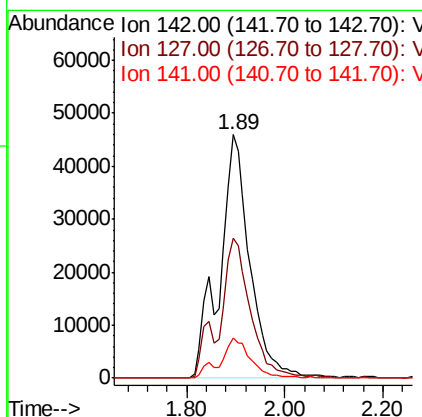
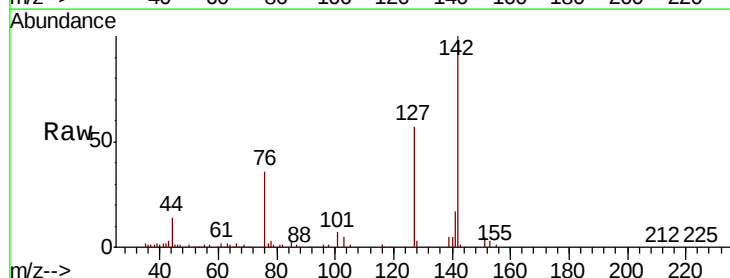
RT: 1.89 min Scan# 128

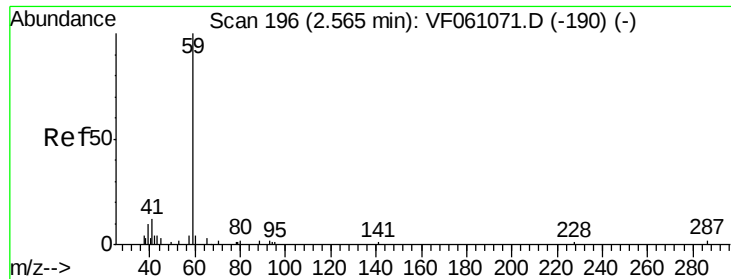
Delta R.T. -0.02 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	142	Resp:	197657
Ion Ratio	Lower	Upper	
142	100		
127	57.5	54.7	82.1
141	16.6	12.2	18.2





#11

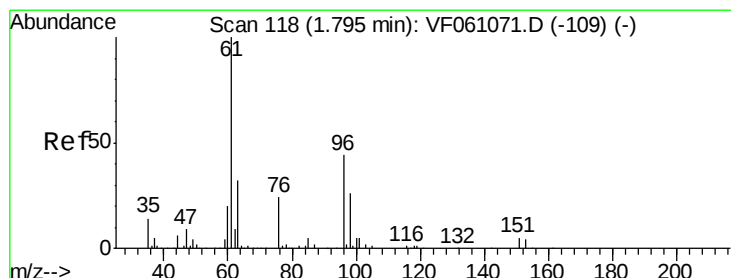
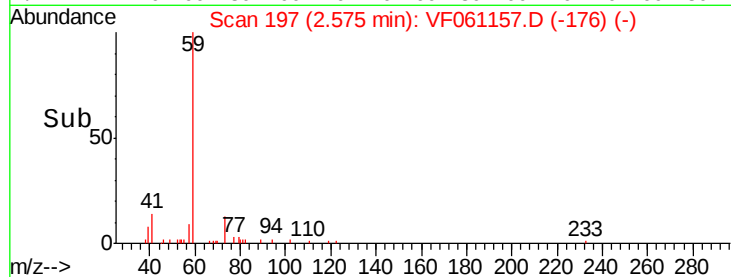
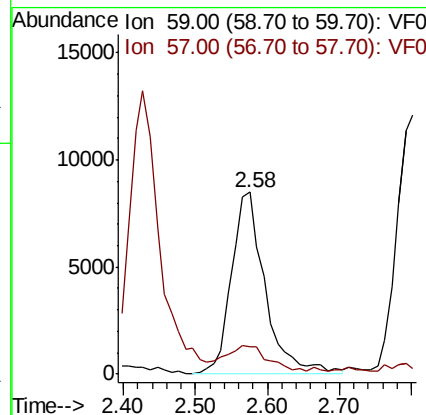
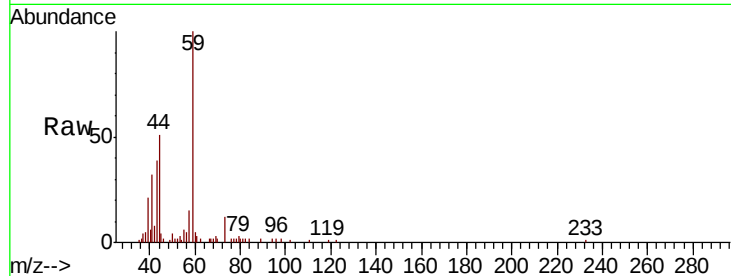
Tert butyl alcohol
Concen: 255.004 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	27894
Ion	Ratio	Lower	Upper
59	100		
57	14.9	11.5	17.3

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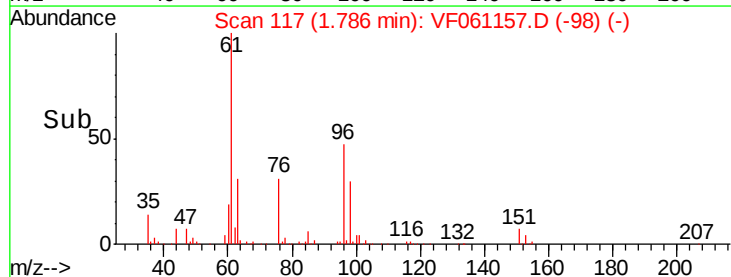
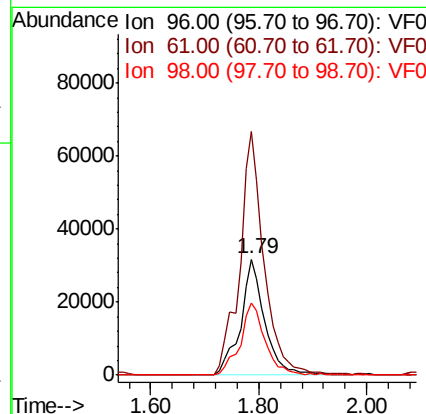
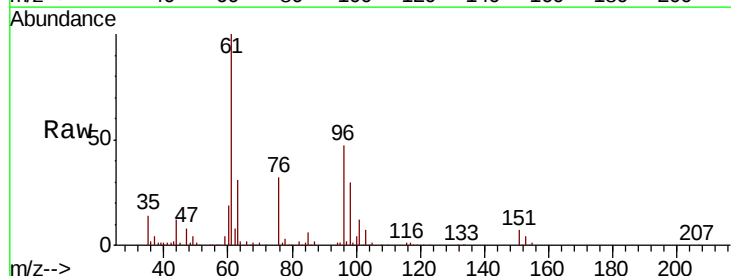
apatel
12/27/2018 12:57:28 PM

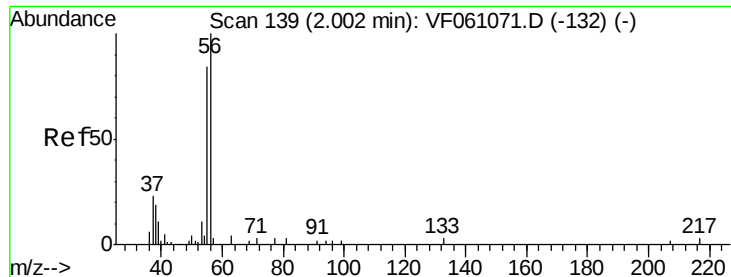


#12

1,1-Dichloroethene
Concen: 53.233 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	98896
Ion	Ratio	Lower	Upper
96	100		
61	210.6	182.0	273.0
98	62.6	46.5	69.7





#13

Acrolein

Concen: 274.271 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 21679

Ion Ratio Lower Upper

56 100

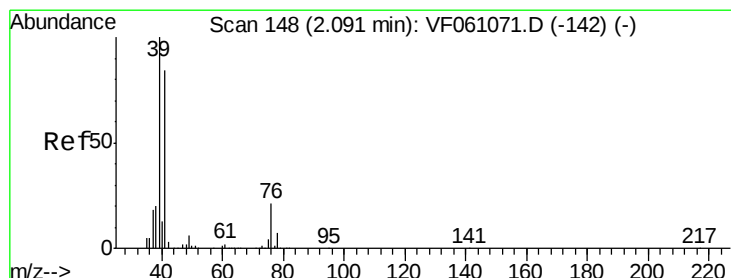
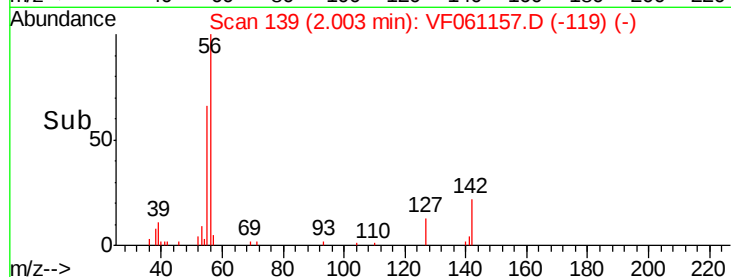
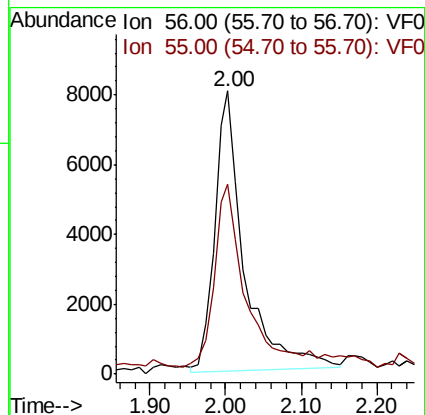
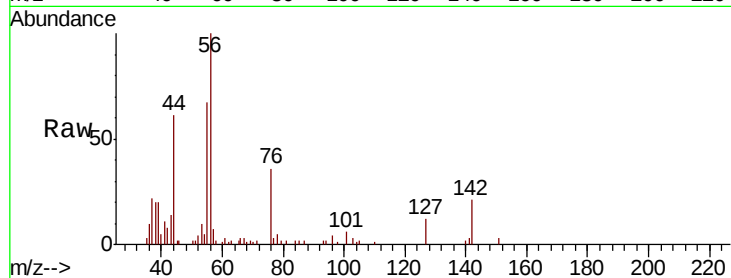
55 67.2 70.2 105.2#

Manual Integrations

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#14

Allyl chloride

Concen: 62.622 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

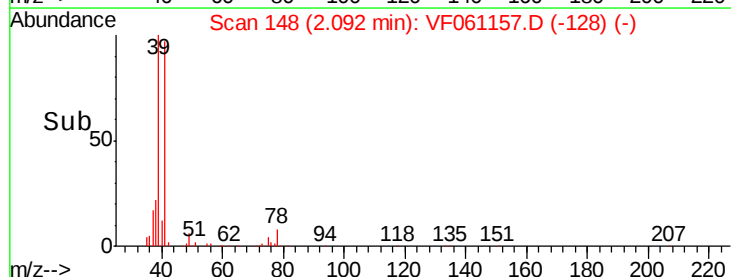
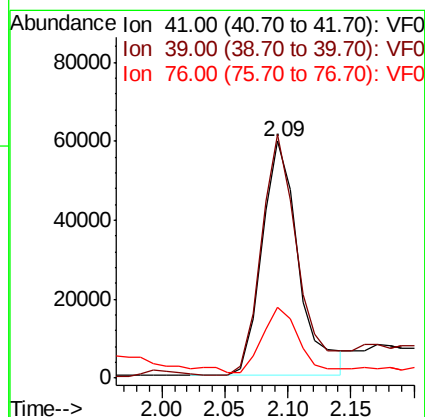
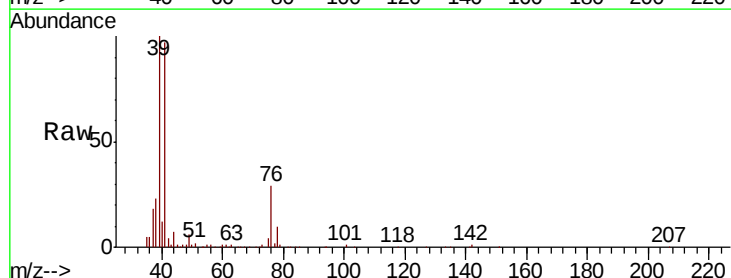
Tgt Ion: 41 Resp: 121070

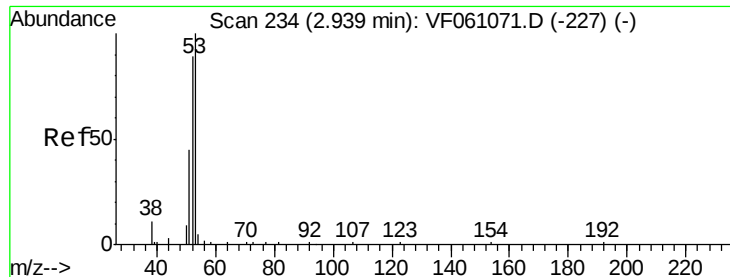
Ion Ratio Lower Upper

41 100

39 102.8 96.4 144.6

76 30.1 25.4 38.0





#15

Acrylonitrile

Concen: 288.419 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

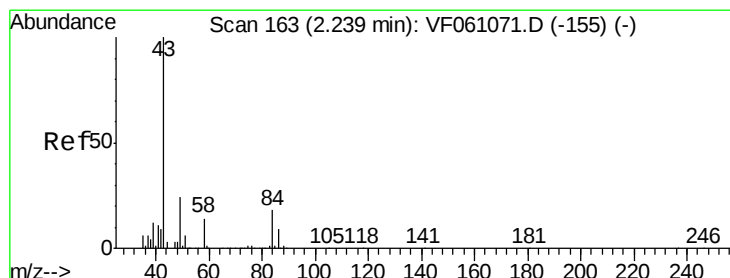
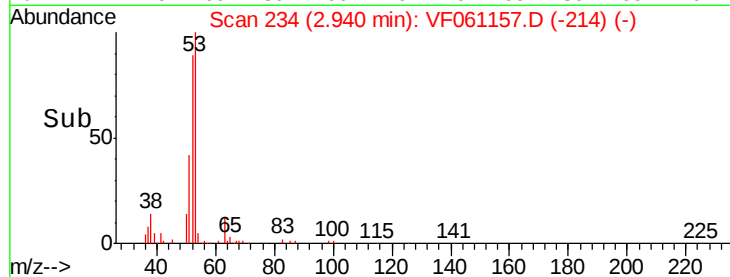
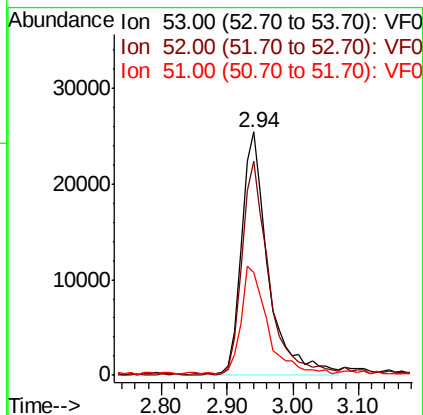
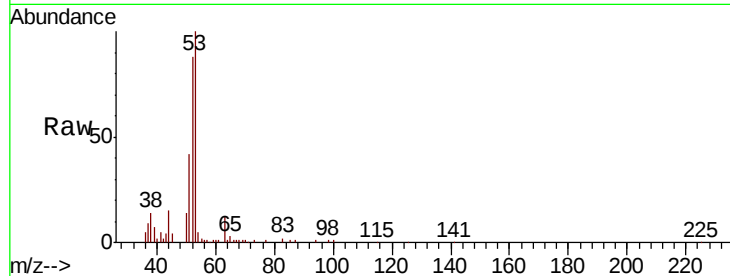
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	72954
Ion	Ratio	Lower	Upper
53	100		
52	88.2	71.3	106.9
51	42.1	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 255.061 ug/l

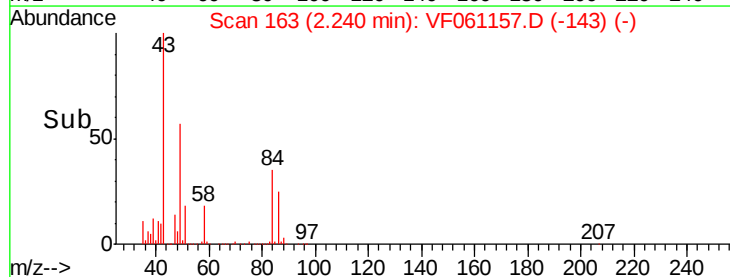
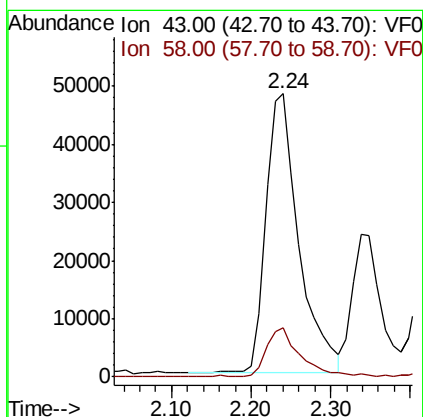
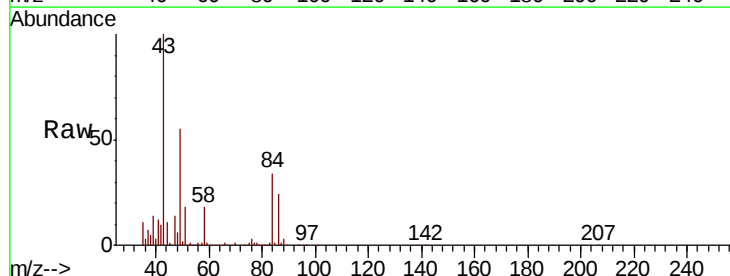
RT: 2.24 min Scan# 163

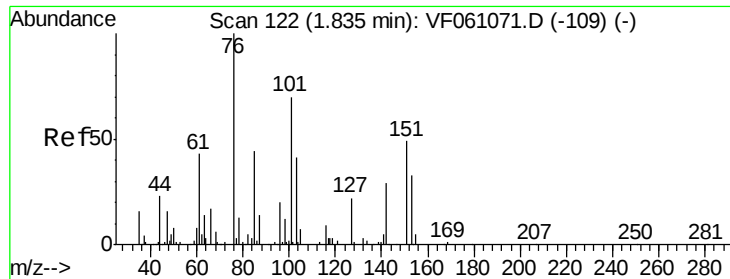
Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	43	Resp:	138216
Ion	Ratio	Lower	Upper
43	100		
58	17.5	11.1	16.7#





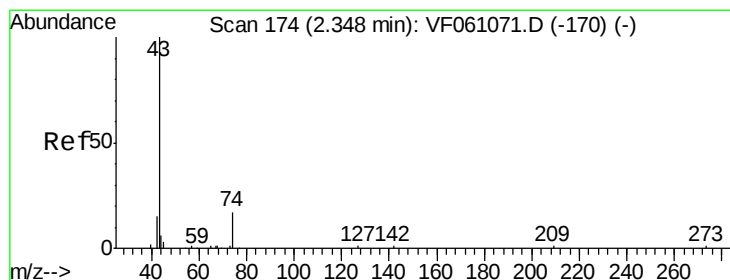
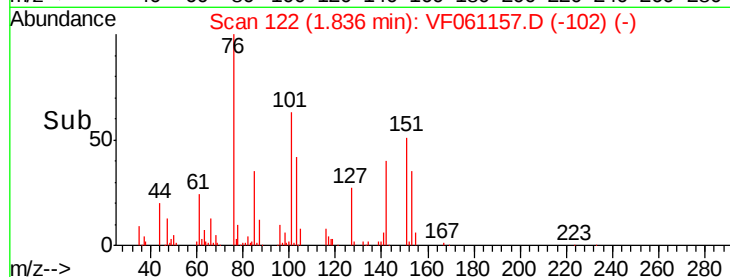
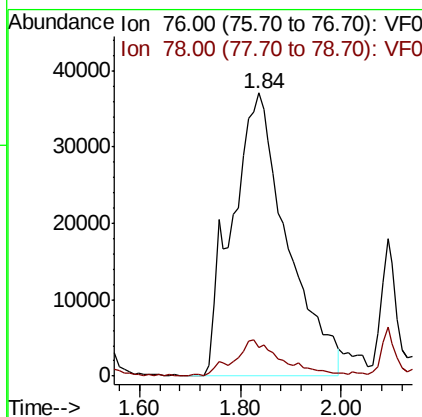
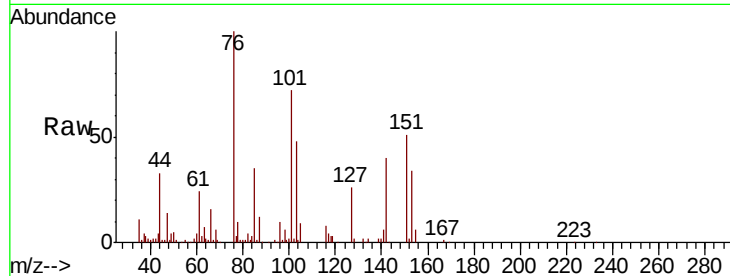
#17
Carbon Disulfide
Concen: 50.333 ug/l
RT: 1.84 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 282587
Ion Ratio Lower Upper
76 100
78 10.2 10.2 15.4#

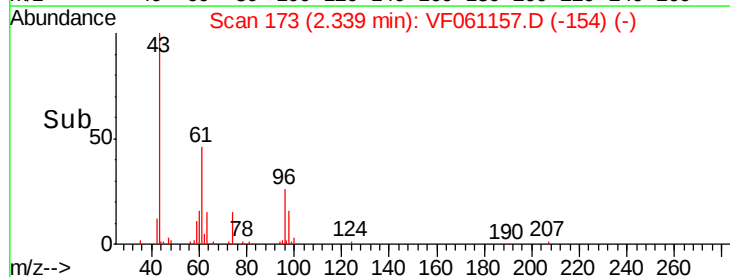
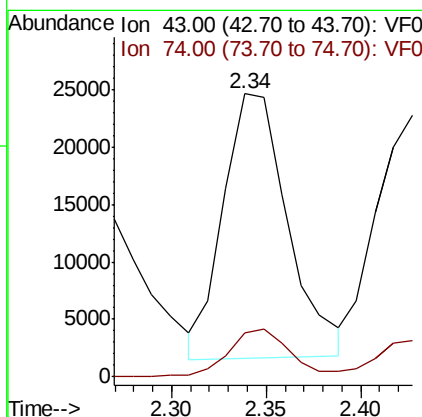
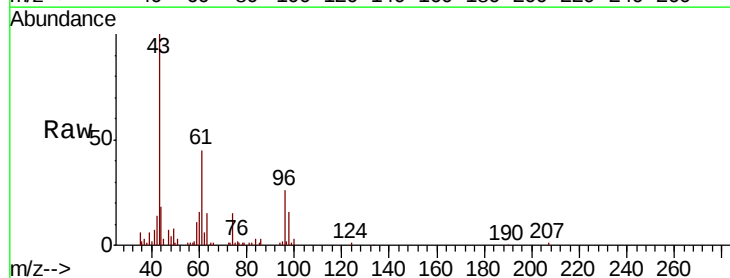
Manual Integrations
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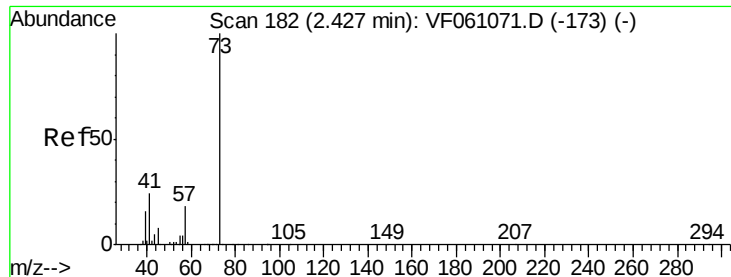
apatel
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#18
Methyl Acetate
Concen: 48.699 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 43 Resp: 54598
Ion Ratio Lower Upper
43 100
74 15.5 11.0 16.6





#19

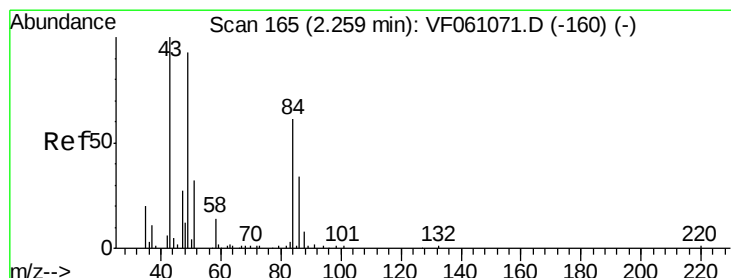
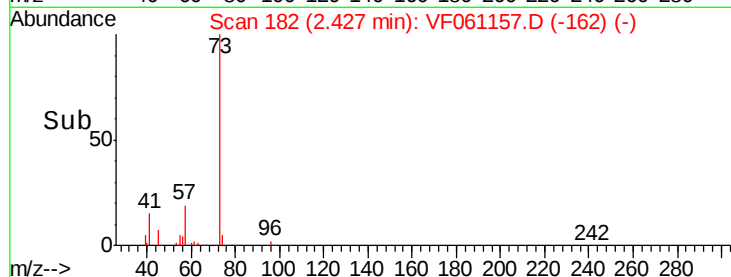
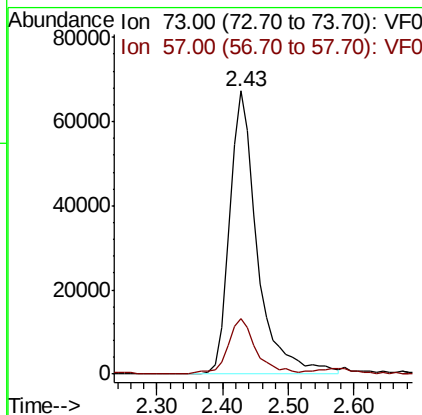
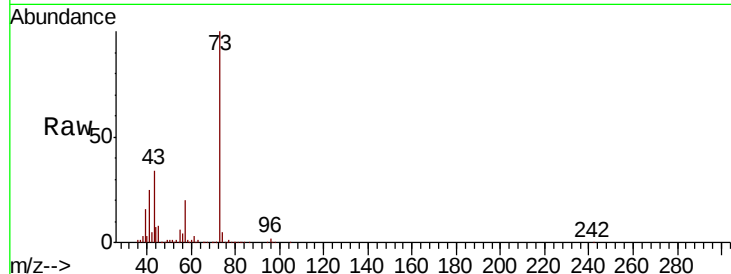
Methyl tert-butyl Ether
 Concen: 48.182 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	14.5	21.7

Manual Integrations
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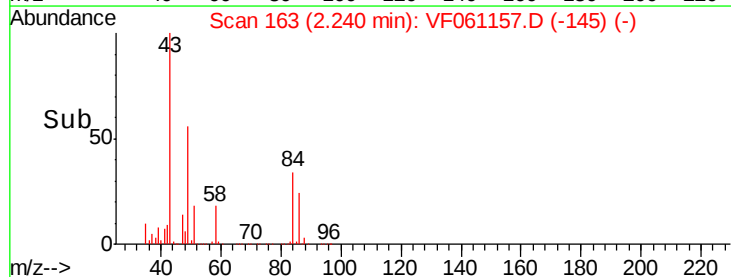
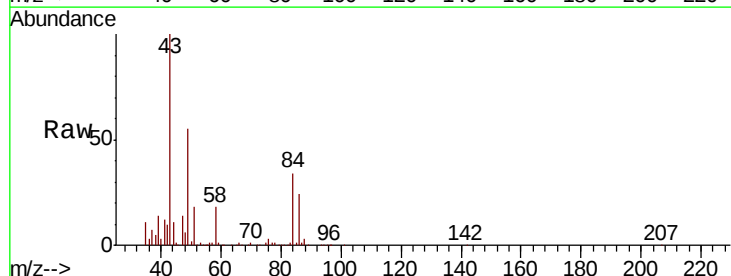
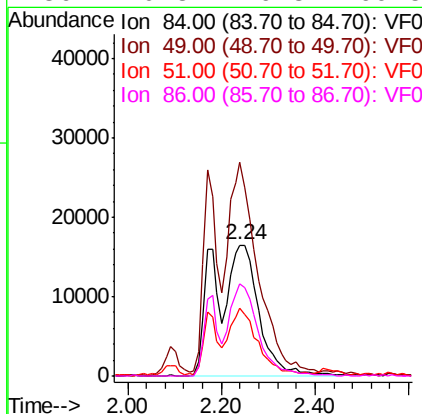
apatel
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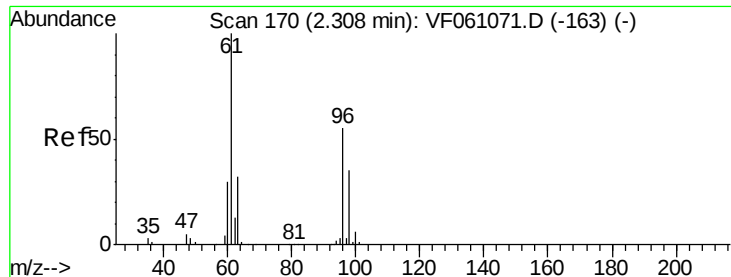


#20

Methylene Chloride
 Concen: 63.676 ug/l m
 RT: 2.24 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.3	129.4	194.2
51	52.3	44.0	66.0
86	70.8	46.3	69.5#





#21

trans-1,2-Dichloroethene

Concen: 51.107 ug/l m

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

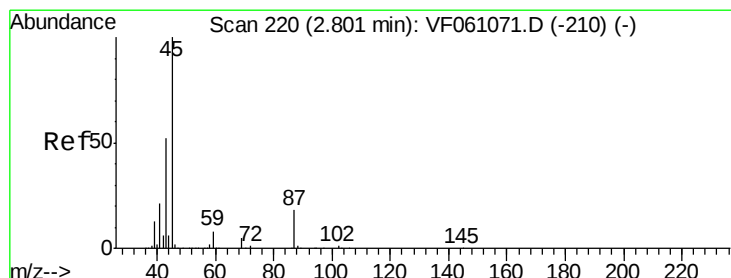
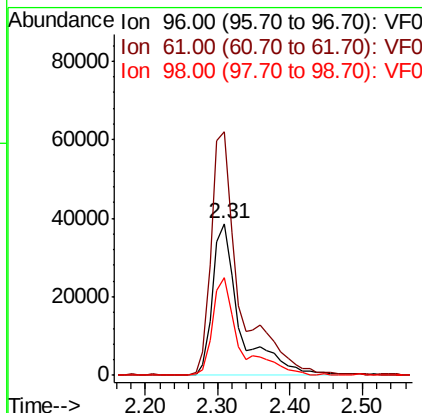
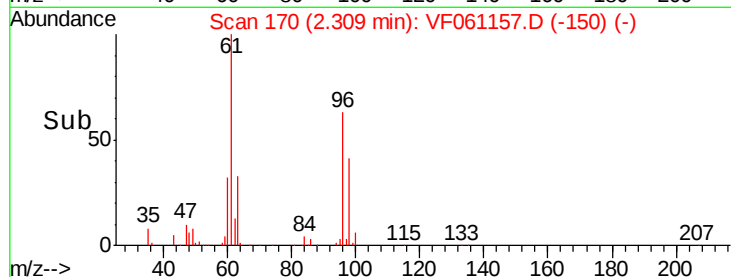
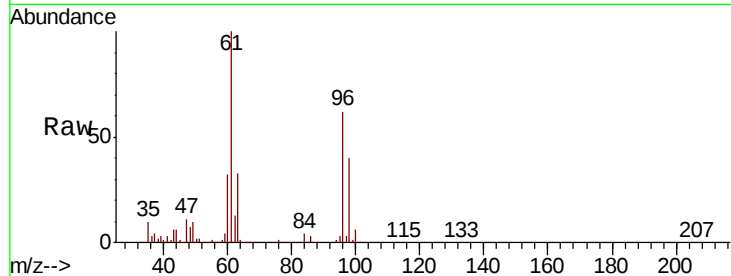
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	101550
Ion	Ratio	Lower	Upper
96	100		
61	160.3	146.0	219.0
98	64.3	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.646 ug/l

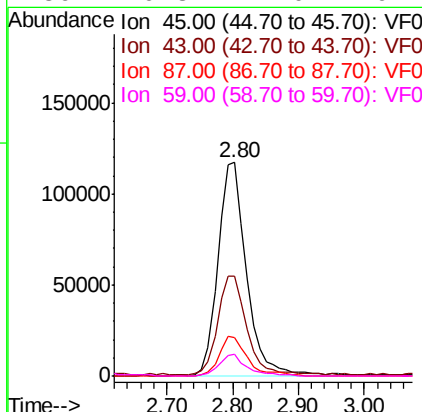
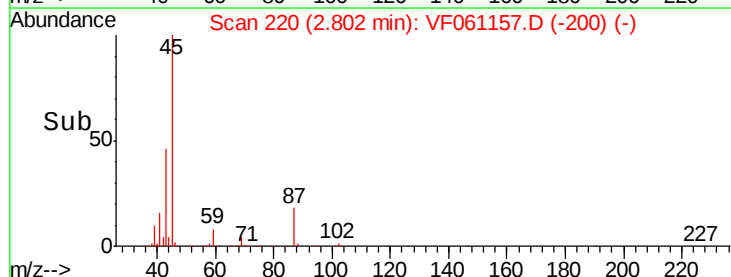
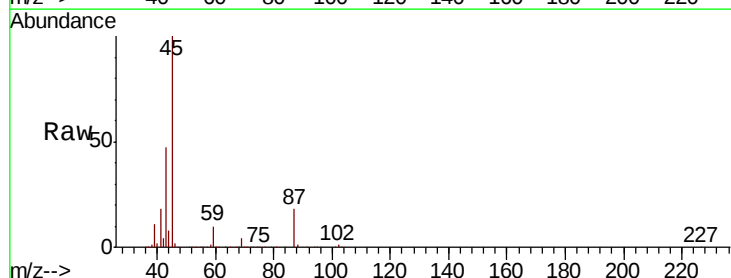
RT: 2.80 min Scan# 220

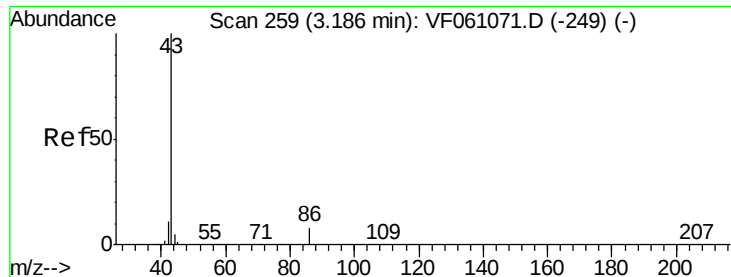
Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	45	Resp:	351919
Ion	Ratio	Lower	Upper
45	100		
43	46.9	42.2	63.2
87	18.2	14.6	22.0
59	10.3	7.0	10.4





#23

Vinyl Acetate

Concen: 266.148 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 790707

Ion Ratio Lower Upper

43 100

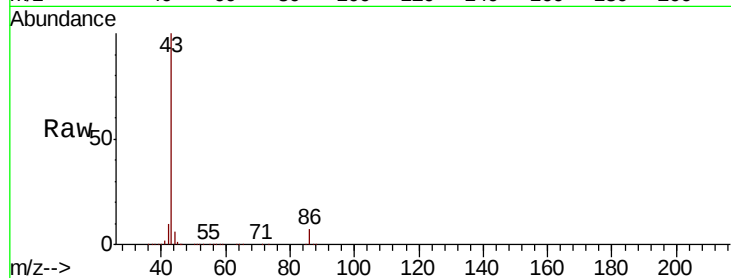
86 7.4 6.3 9.5

Manual Integrations

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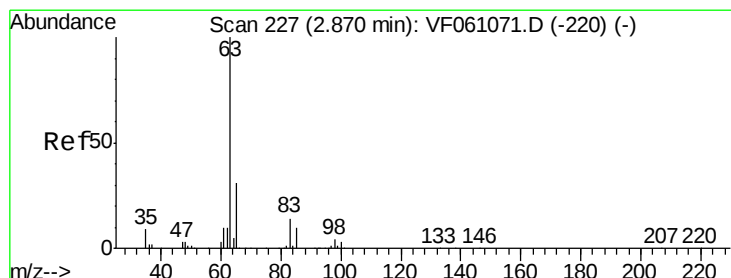
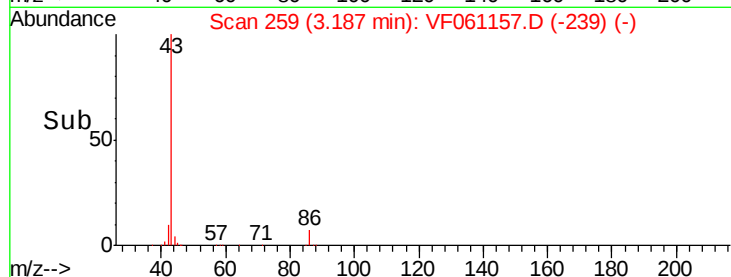
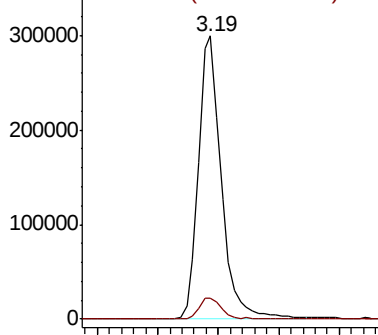
apatel

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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: 53.924 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

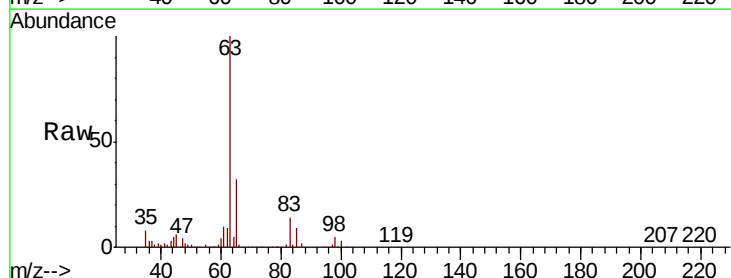
Tgt Ion: 63 Resp: 205758

Ion Ratio Lower Upper

63 100

98 5.2 2.1 6.5

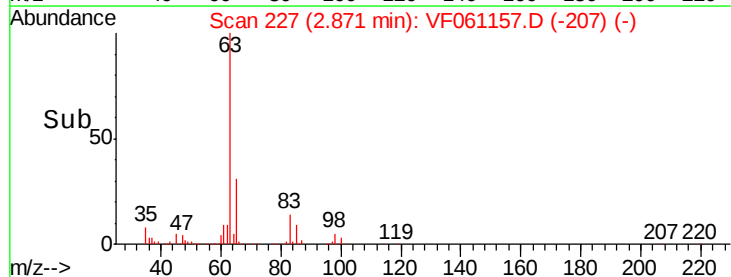
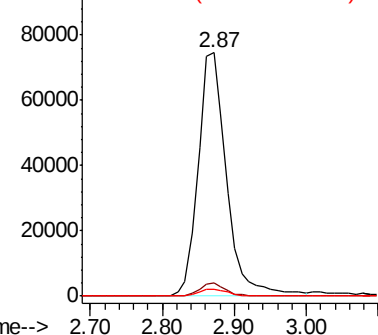
100 2.9 1.7 5.1

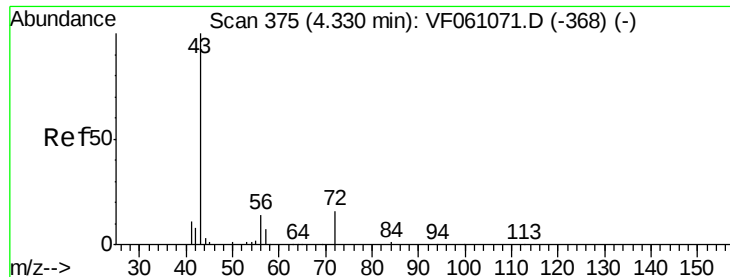


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 264.076 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 232082

Ion Ratio Lower Upper

43 100

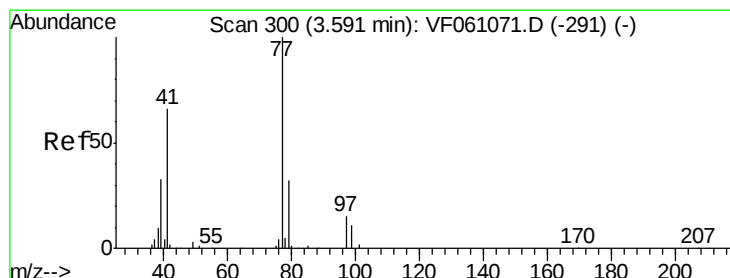
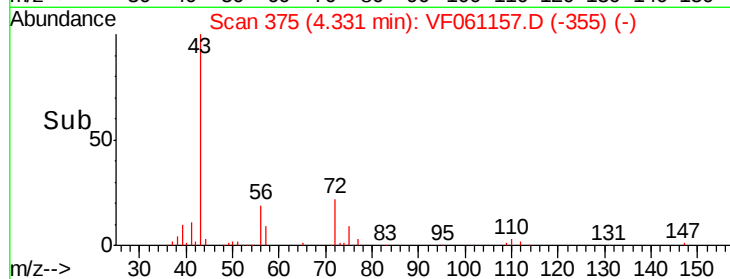
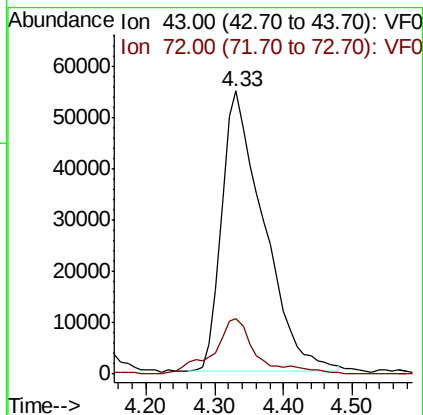
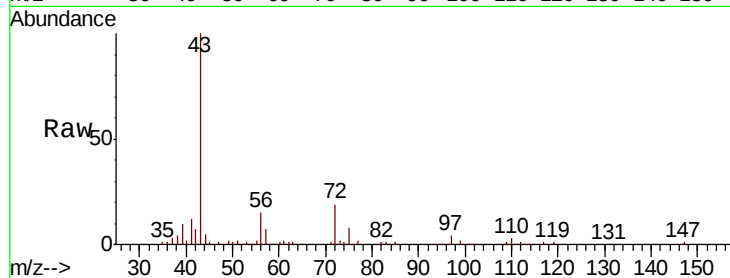
72 19.5 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 50.335 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061157.D

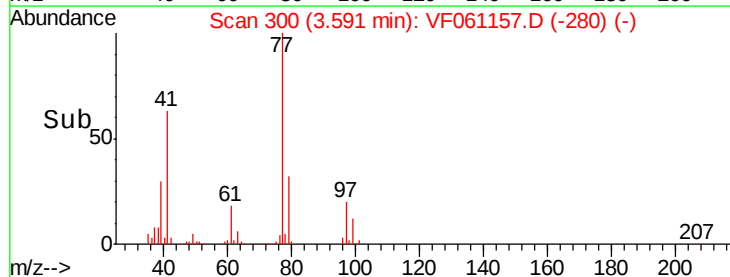
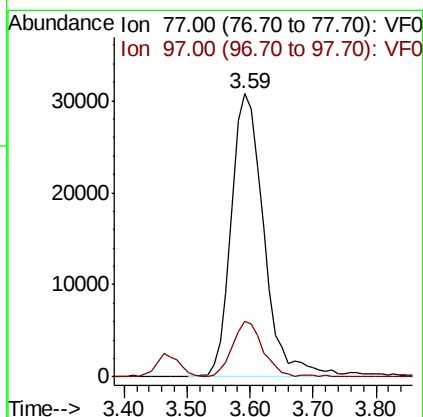
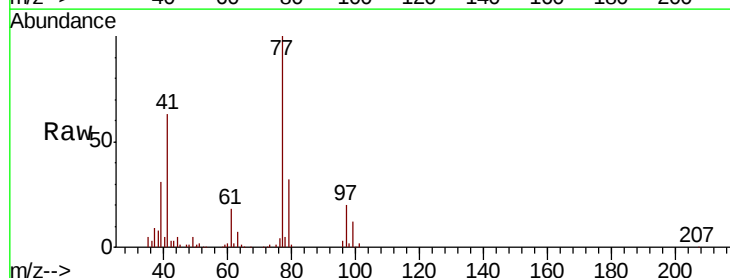
Acq: 24 Dec 2018 11:06

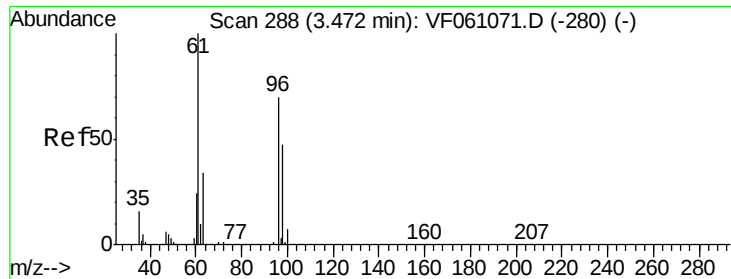
Tgt Ion: 77 Resp: 110221

Ion Ratio Lower Upper

77 100

97 19.5 8.2 24.4





#27

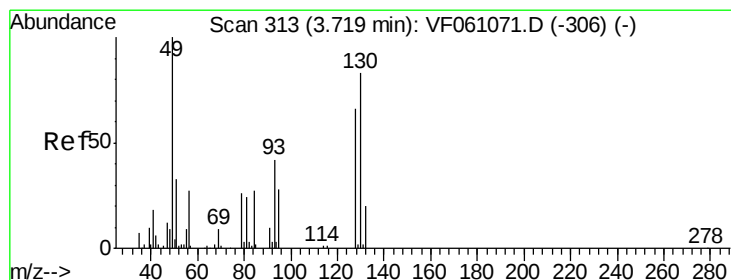
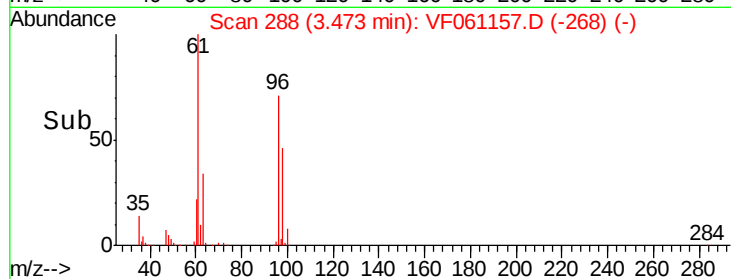
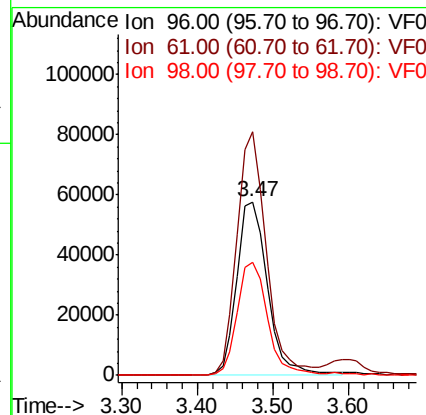
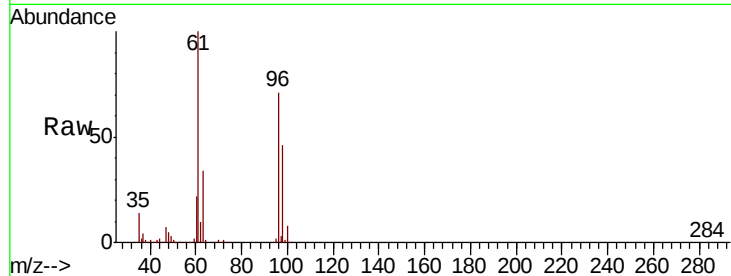
cis-1,2-Dichloroethene
 Concen: 53.482 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	162692		
61	140.3	0.0	287.8	
98	65.2	0.0	134.2	

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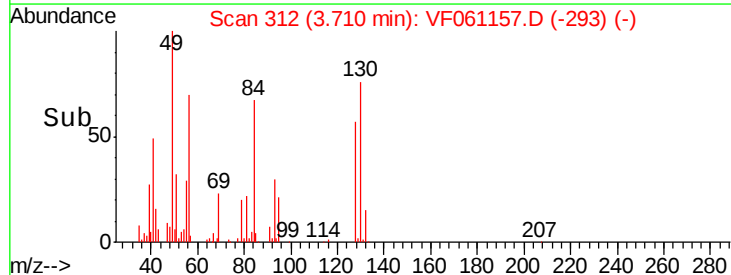
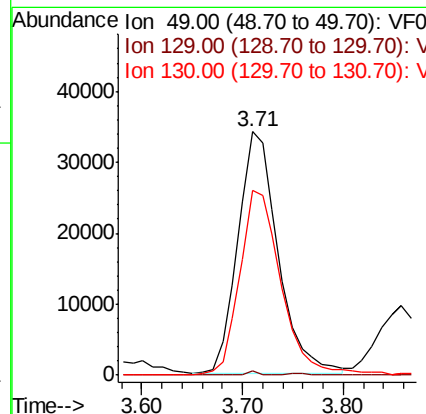
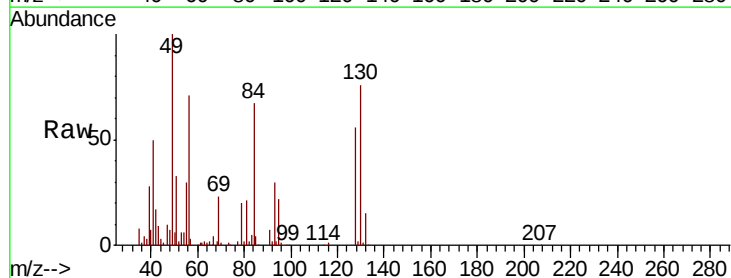
apatel
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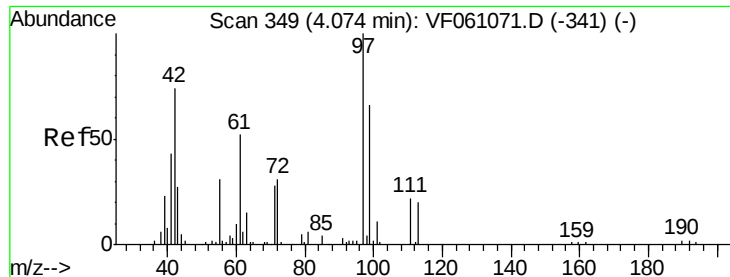


#28

Bromochloromethane
 Concen: 49.224 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95302		
129	1.8	0.0	3.6	
130	75.8	65.8	98.6	





#29

Tetrahydrofuran

Concen: 256.005 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

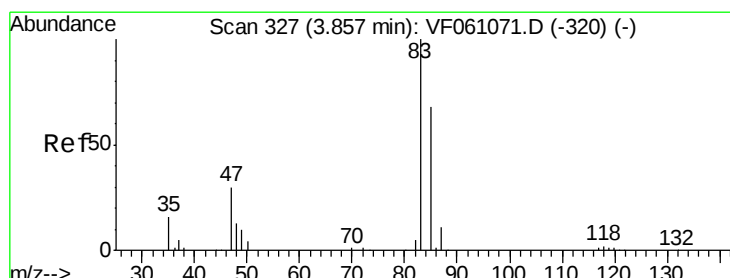
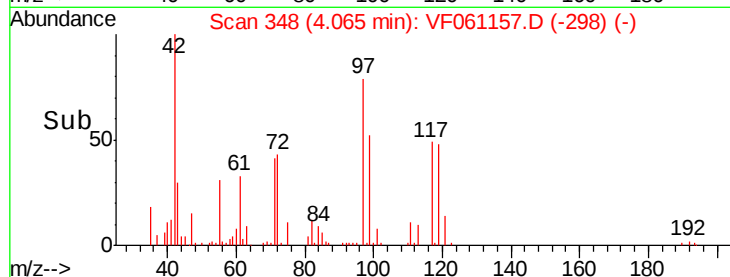
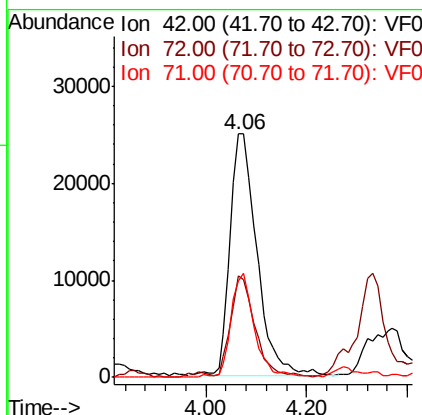
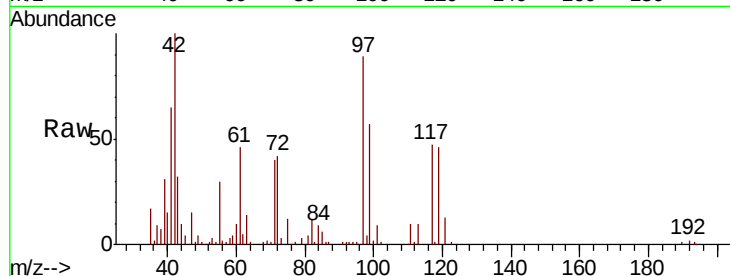
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	91573
Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.8	47.8
71	36.1	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 48.744 ug/l

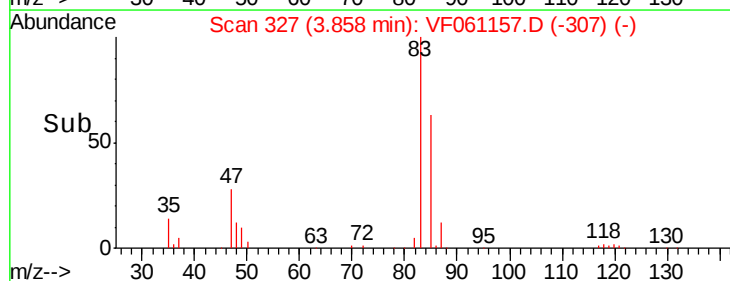
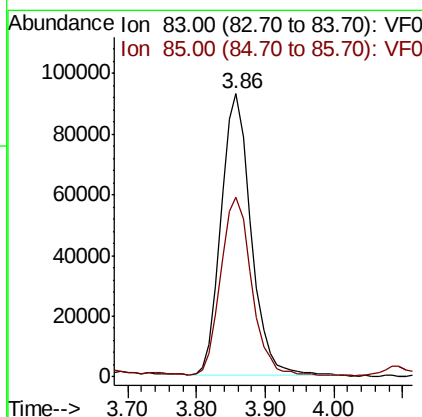
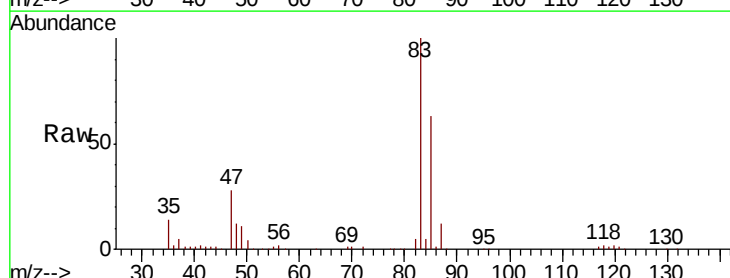
RT: 3.86 min Scan# 327

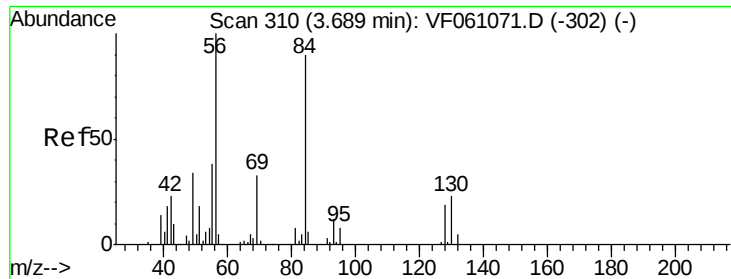
Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	83	Resp:	278882
Ion	Ratio	Lower	Upper
83	100		
85	63.4	54.5	81.7





#31

Cyclohexane

Concen: 51.813 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061157.D

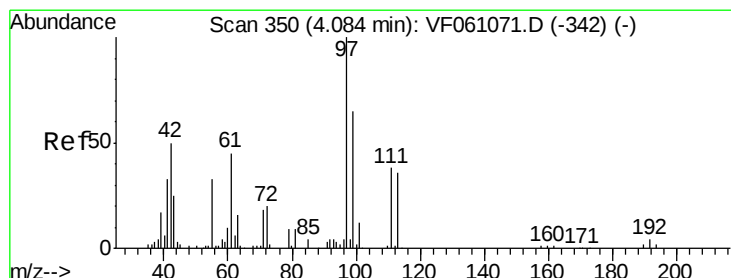
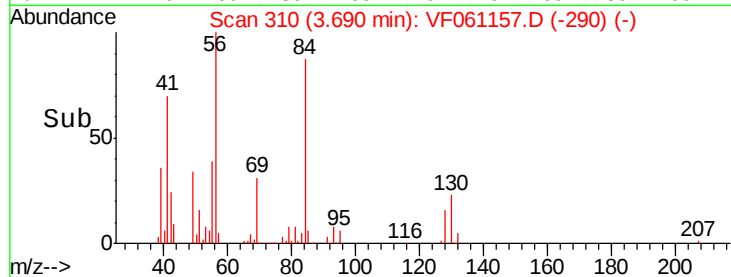
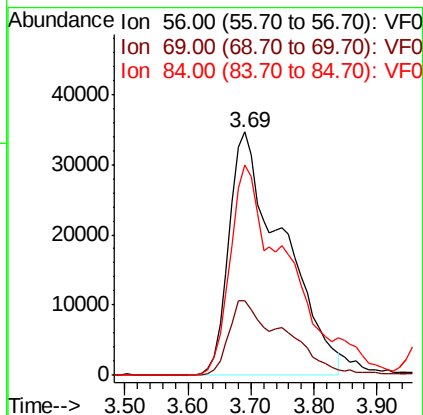
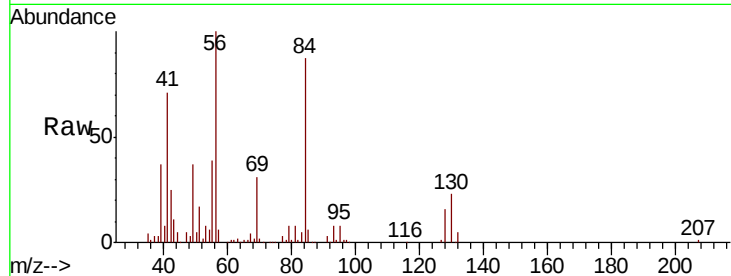
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	205147
Ion Ratio	Lower	Upper	
56	100		
69	30.7	26.0	39.0
84	86.5	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 53.232 ug/l

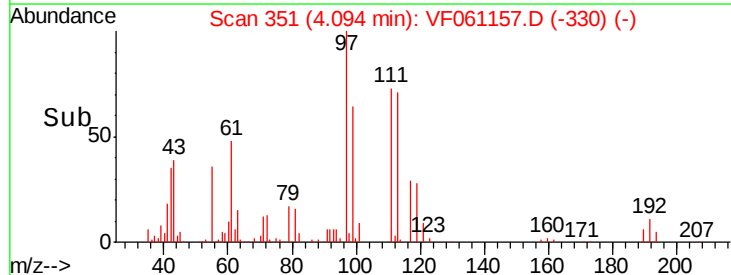
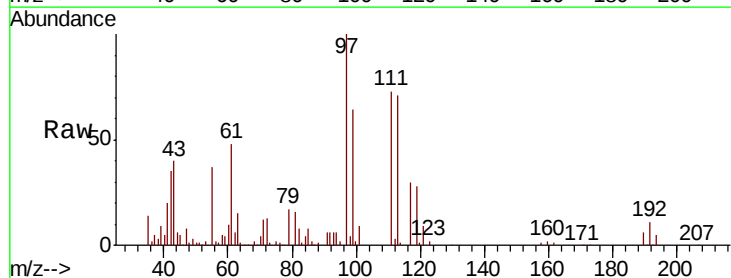
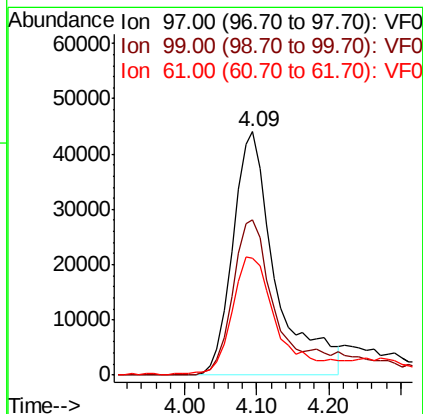
RT: 4.09 min Scan# 351

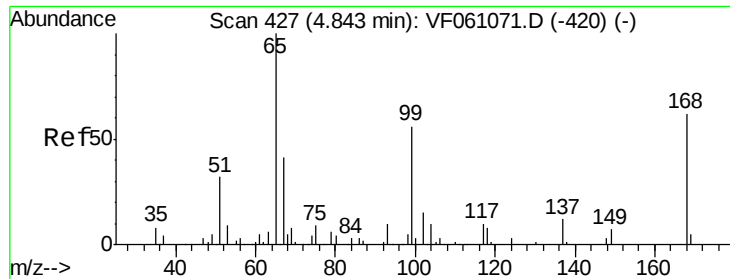
Delta R.T. 0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	97	Resp:	182545
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.6	77.4
61	47.9	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 42.655 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tot Ion: 65 Resp: 115623

Ion Ratio Lower Upper

65 100

67 45.8 0.0 94.6

Instrument :

MSVOA_F

ClientSampleId :

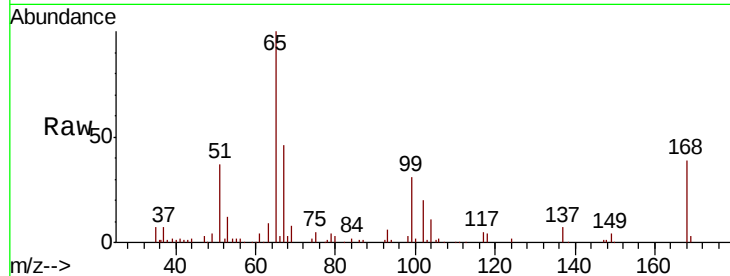
VSTDCCC050

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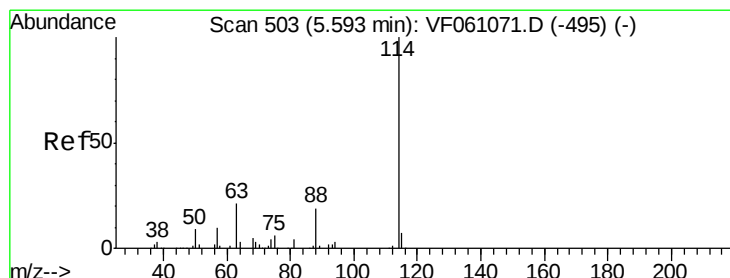
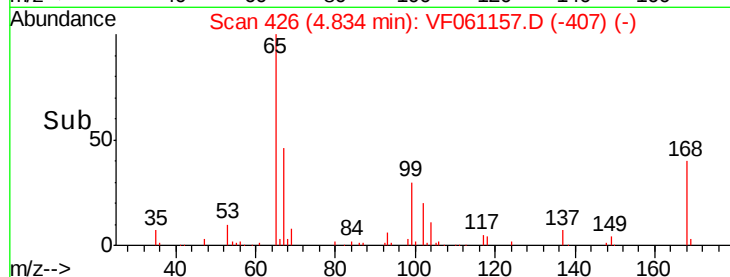
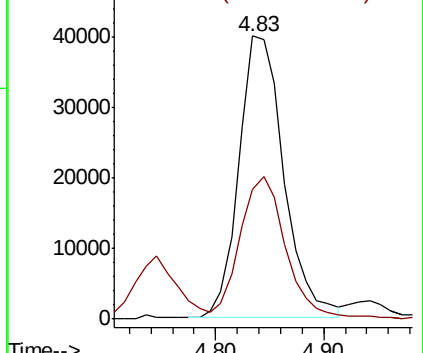
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

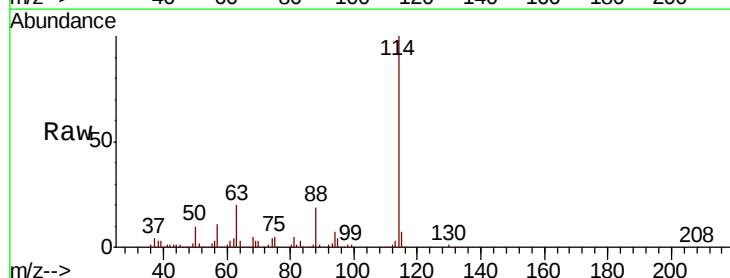
Tgt Ion: 114 Resp: 349838

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

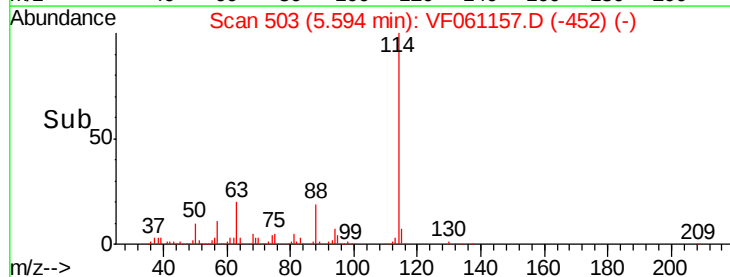
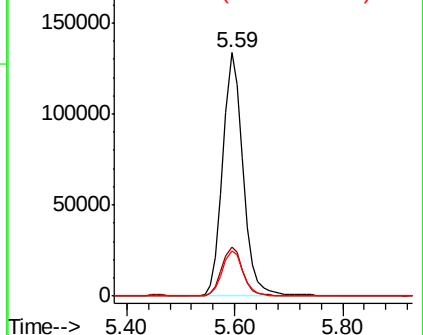
88 18.5 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 48.414 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

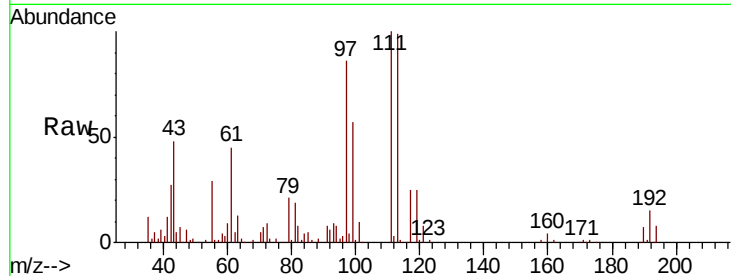
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	135676
Ion Ratio	Lower	Upper	
113	100		
111	100.7	85.2	127.8
192	15.2	12.8	19.2

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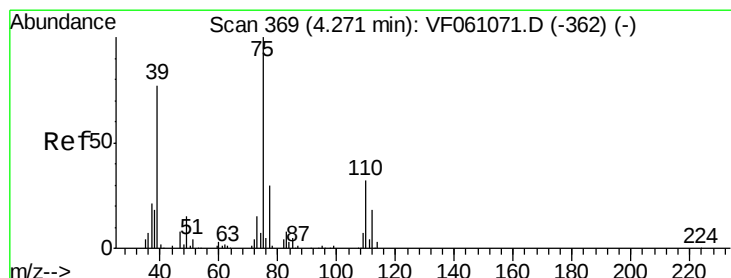
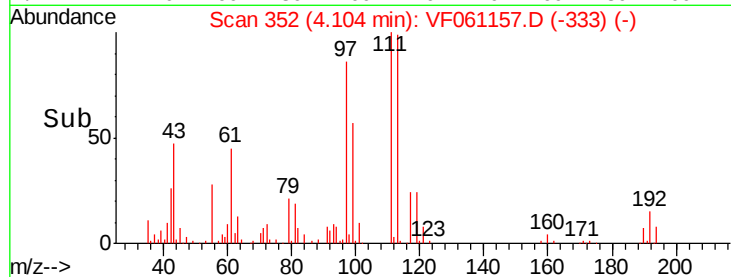
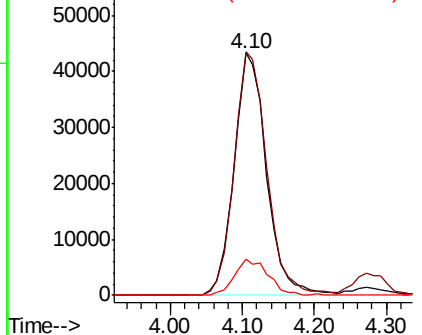


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 50.091 ug/l

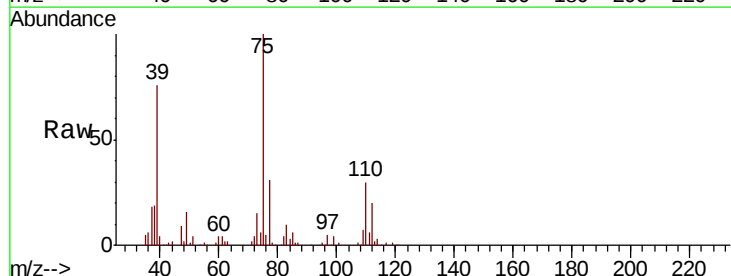
RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	75	Resp:	211524
Ion Ratio	Lower	Upper	
75	100		
110	29.6	16.1	48.2
77	31.1	24.5	36.7

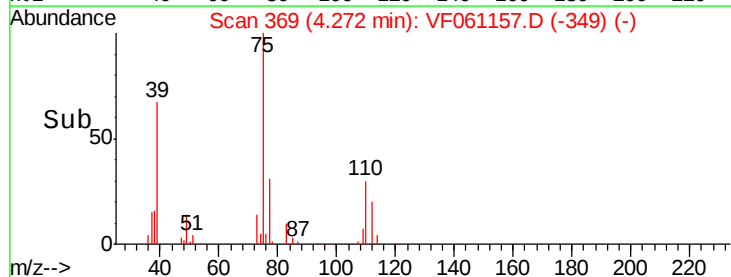
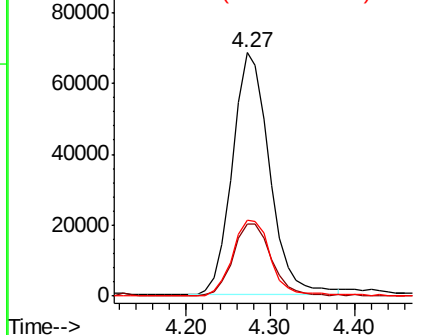


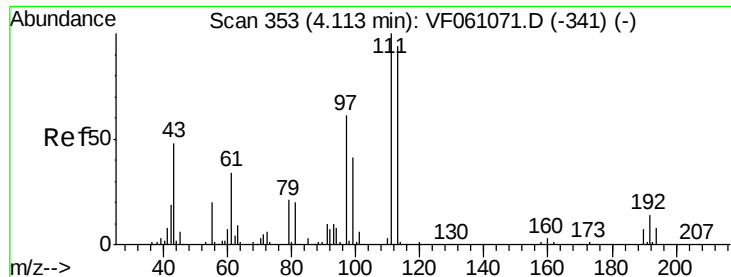
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





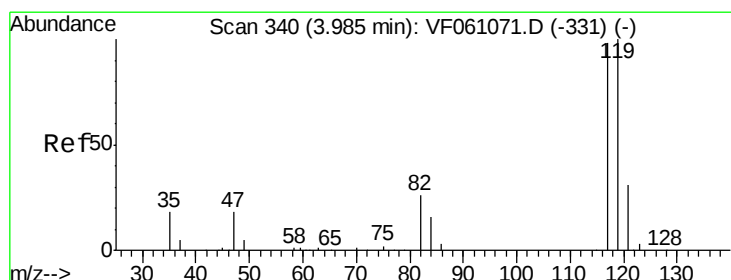
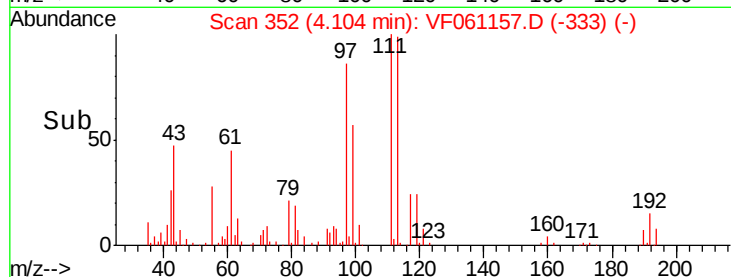
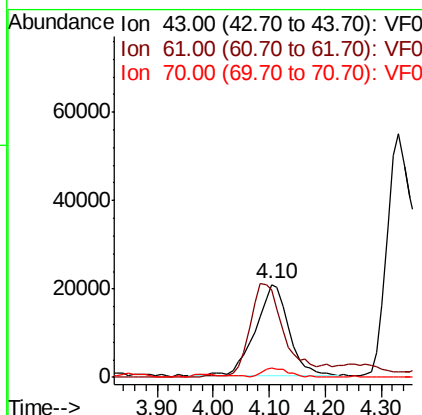
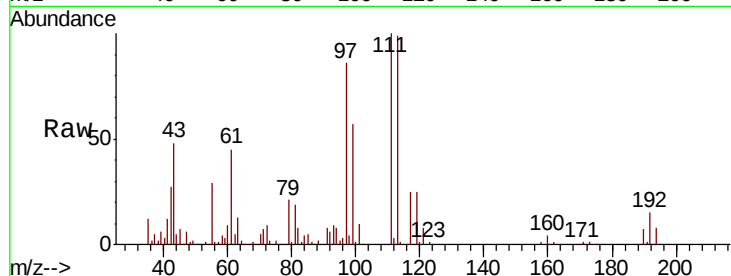
#37
Ethyl Acetate
Concen: 51.960 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	93.5	56.6	84.8#
70	10.2	6.3	9.5#

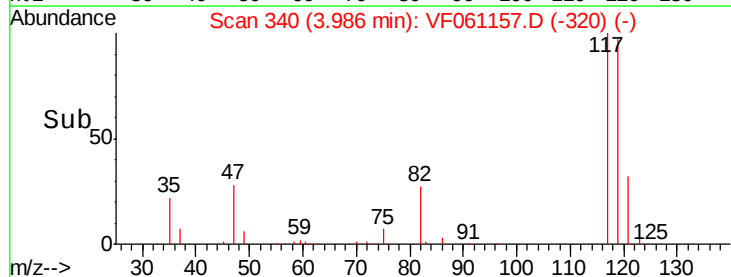
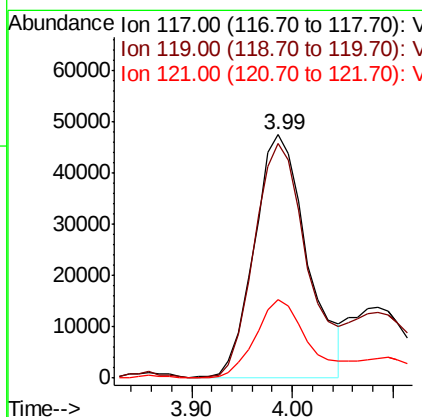
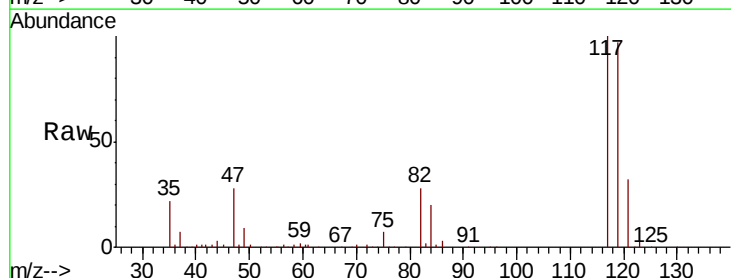
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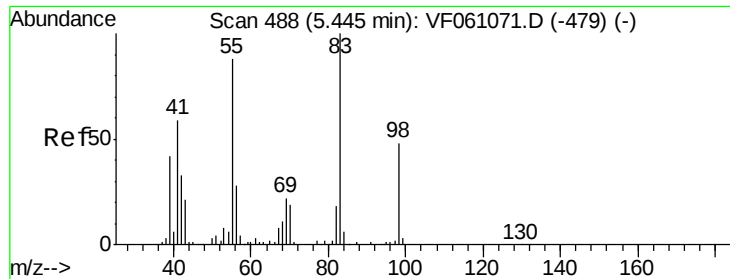
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#38
Carbon Tetrachloride
Concen: 53.321 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	82.1	123.1
121	32.1	25.5	38.3





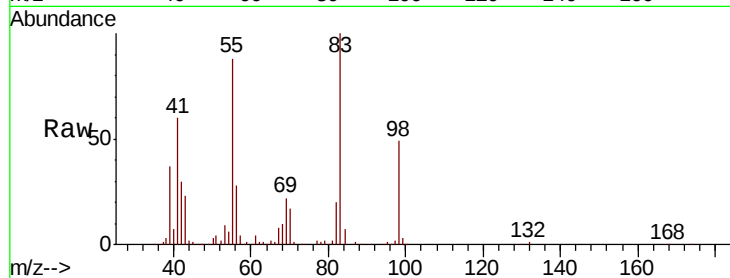
#39
Methvlcvclohexane
Concen: 60.573 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

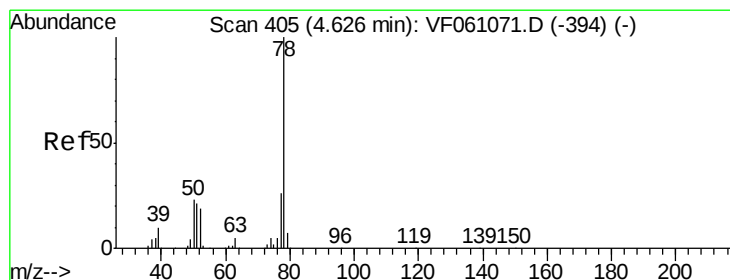
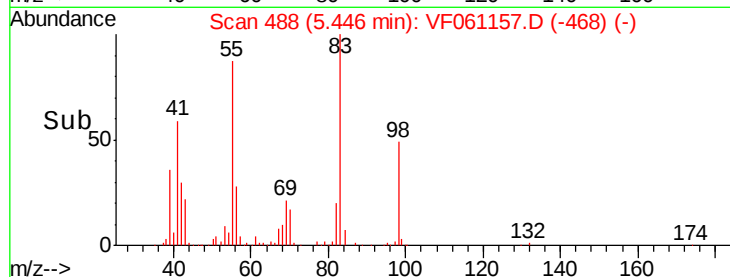
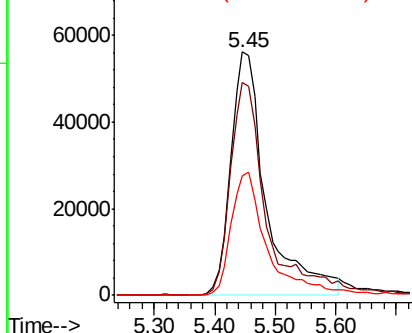
Tot Ion	Ratio	Resp	Lower	Upper
83	100	229475		
55	87.6		70.6	105.8
98	49.0		38.5	57.7

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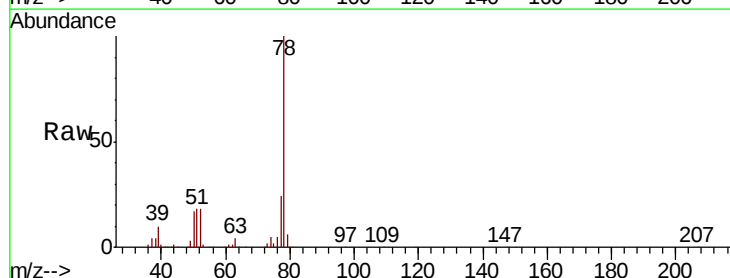


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

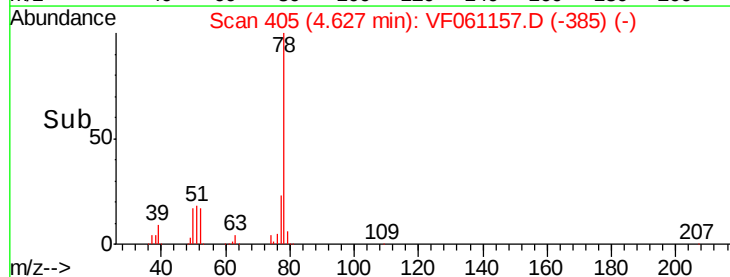
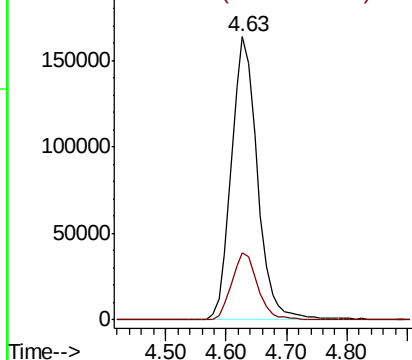


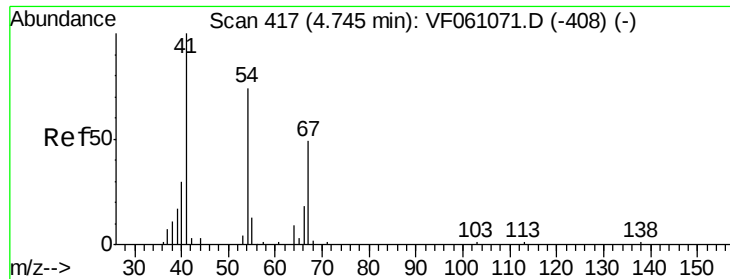
#40
Benzene
Concen: 54.100 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	491293		
77	23.6		20.7	31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





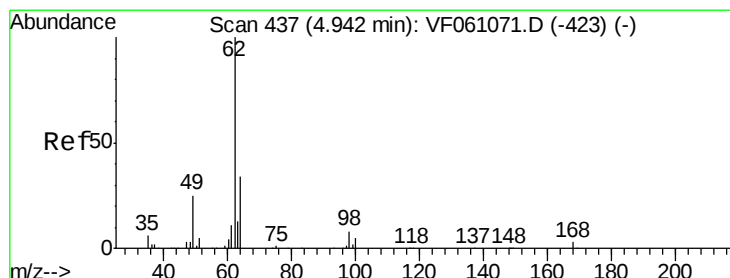
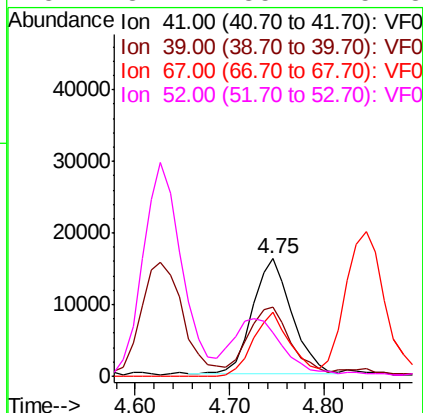
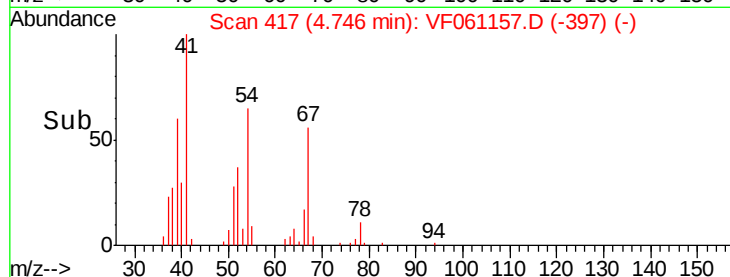
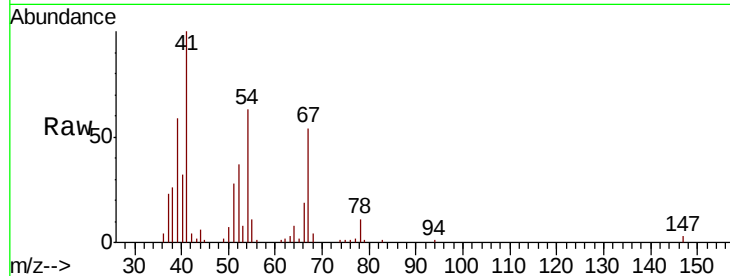
#41
Methacrylonitrile
Concen: 52.657 ug/l
RT: 4.75 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	59.4	45.7	68.5
67	67	54.2	38.9	58.3
52	52	37.1	35.2	52.8

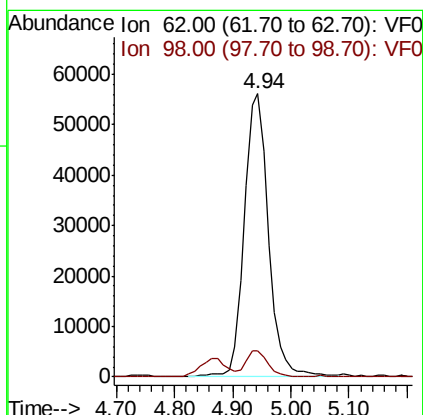
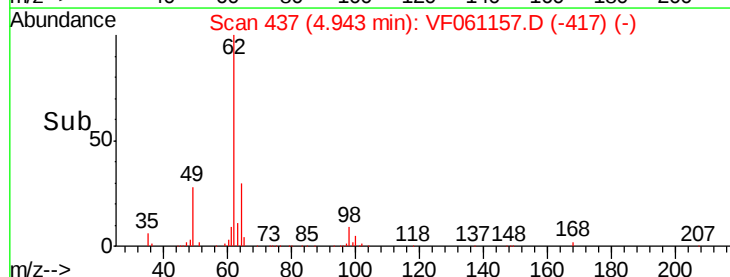
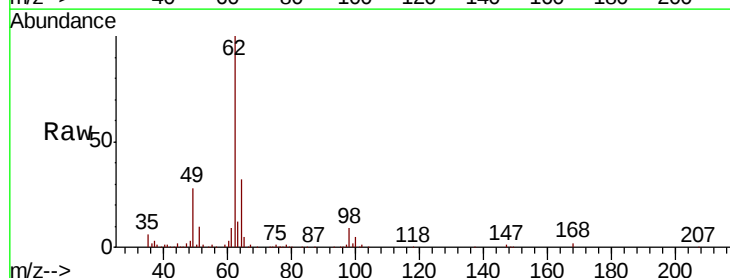
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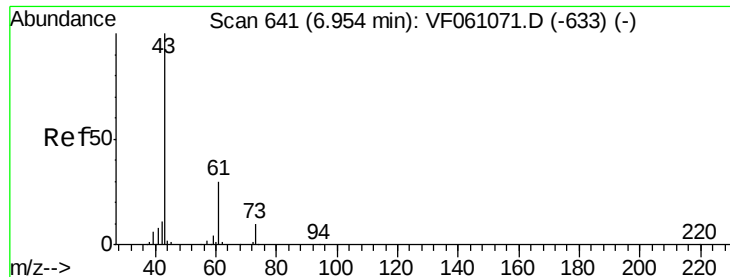
apatel
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#42
1,2-Dichloroethane
Concen: 47.638 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.4	0.0	16.6





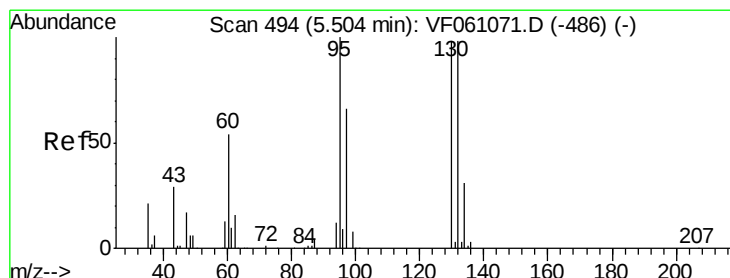
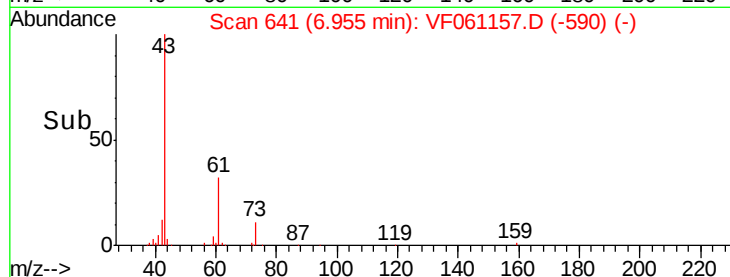
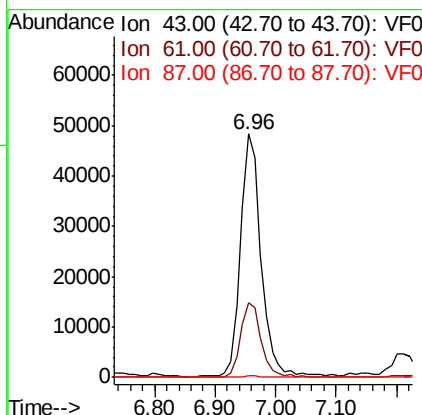
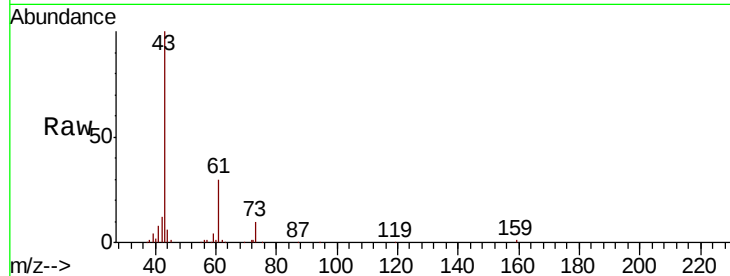
#43
Isopropyl Acetate
Concen: 55.978 ug/l
RT: 6.96 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.8	35.8
87	0.5	0.0	0.0

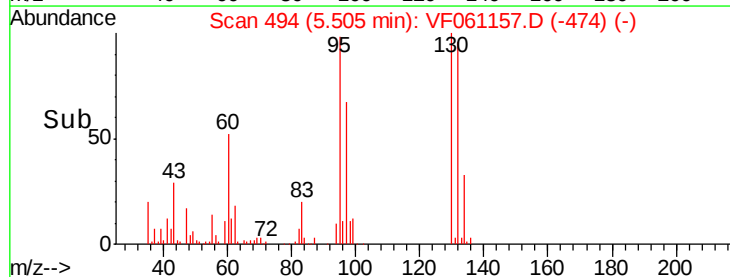
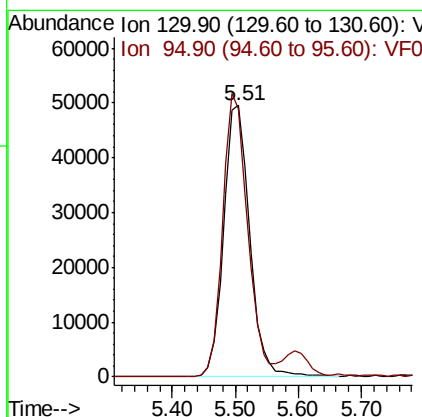
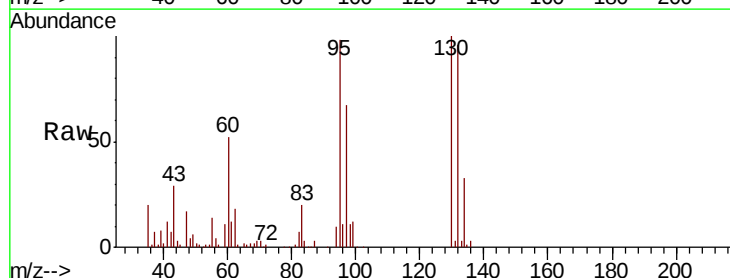
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#44
Trichloroethene
Concen: 49.675 ug/l
RT: 5.51 min Scan# 494
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	205.2





#45

1,2-Dichloropropane

Concen: 52.426 ug/l

RT: 6.24 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 129527

Ion Ratio Lower Upper

63 100

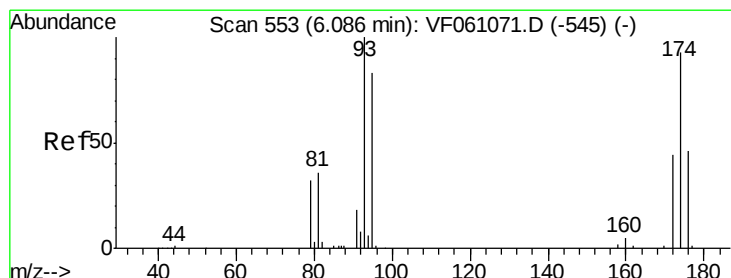
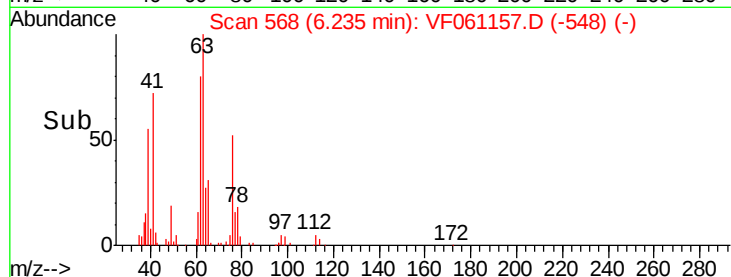
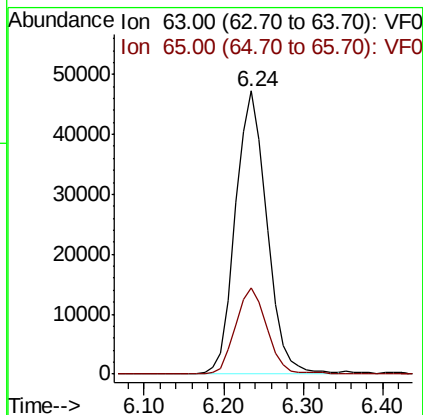
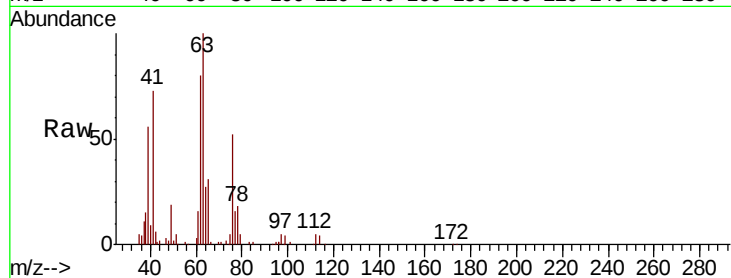
65 30.6 24.4 36.6

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#46

Dibromomethane

Concen: 50.419 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

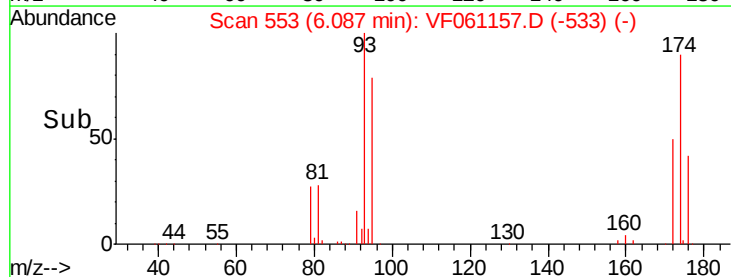
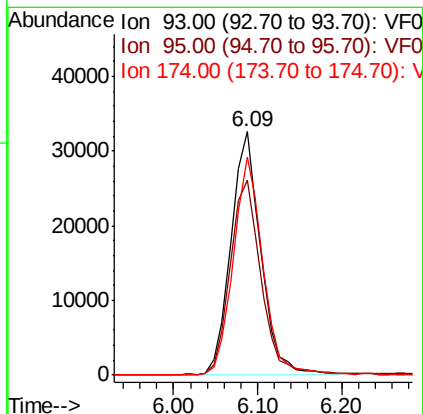
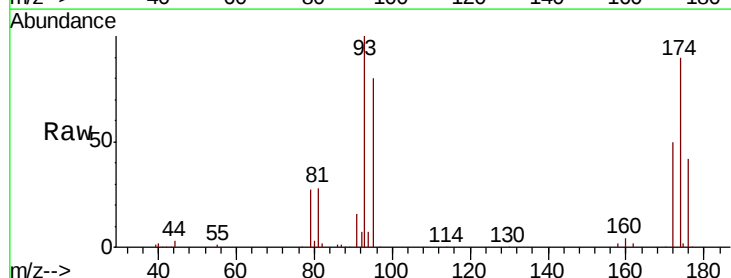
Tgt Ion: 93 Resp: 80794

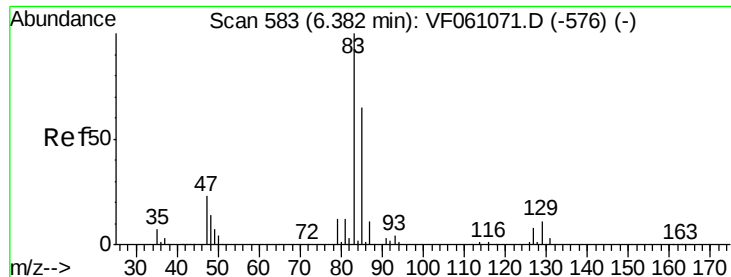
Ion Ratio Lower Upper

93 100

95 79.9 66.9 100.3

174 91.3 74.1 111.1





#47

Bromodichloromethane

Concen: 51.227 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

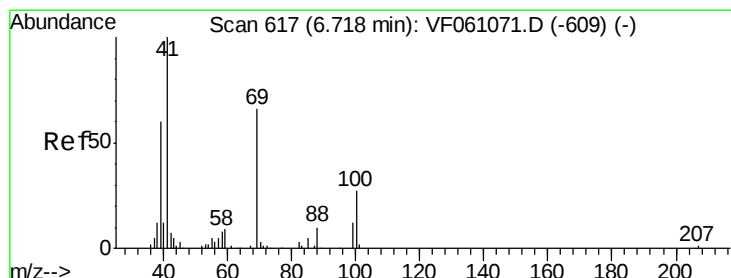
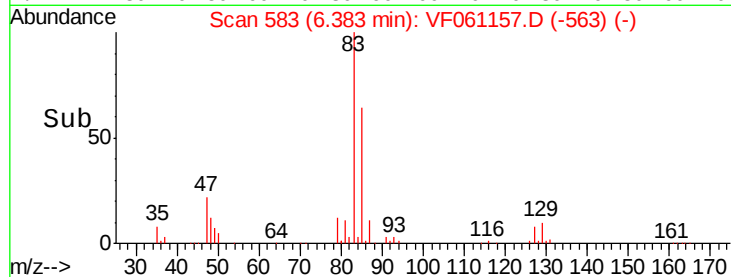
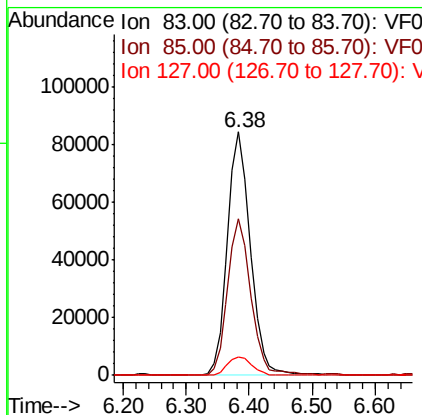
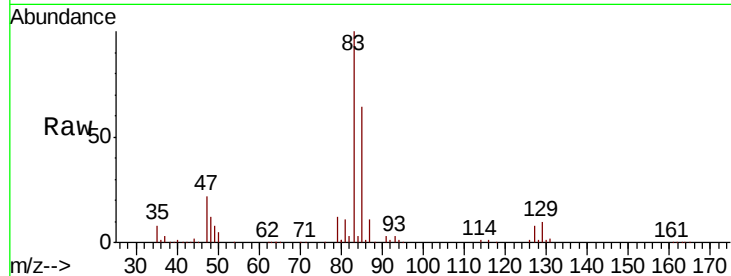
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	213286
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4
127	7.7	6.1	9.1

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#48

Methyl methacrylate

Concen: 51.578 ug/l

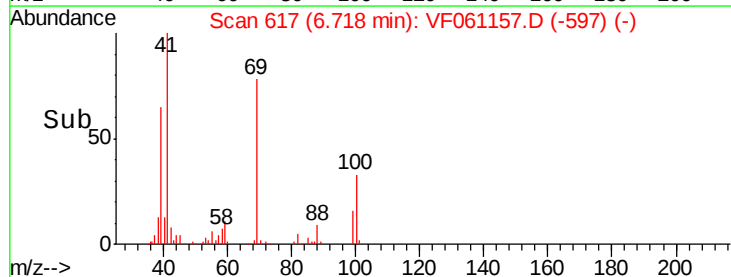
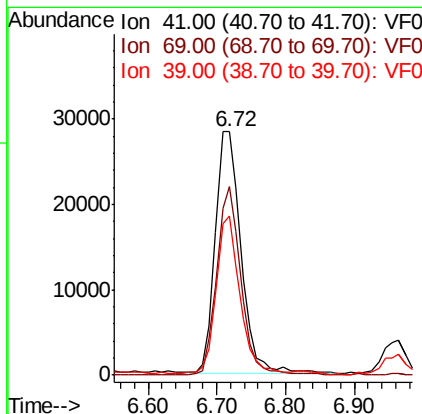
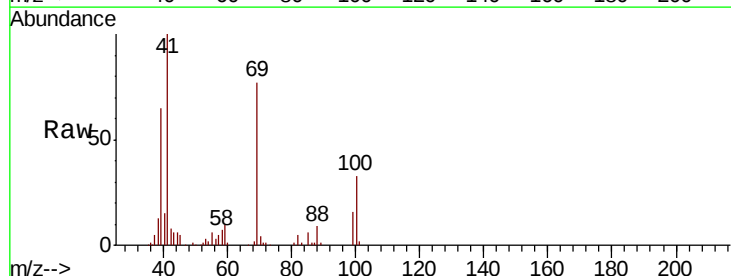
RT: 6.72 min Scan# 617

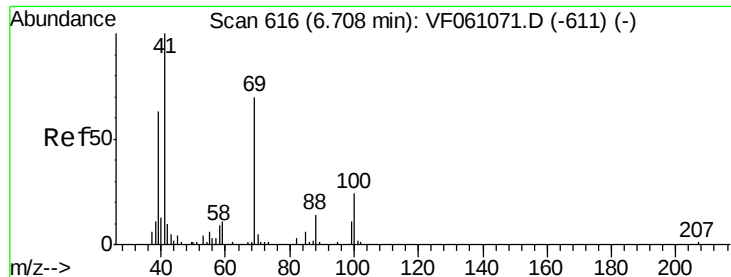
Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	41	Resp:	73417
Ion	Ratio	Lower	Upper
41	100		
69	77.2	52.7	79.1
39	65.2	47.8	71.6





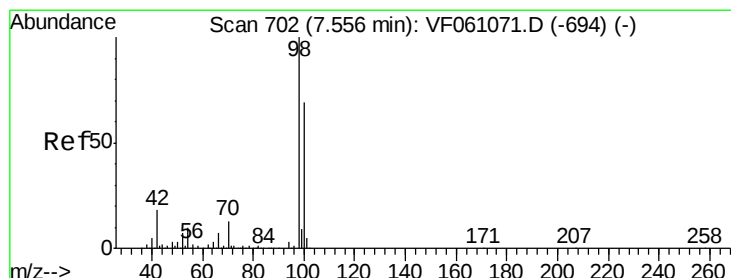
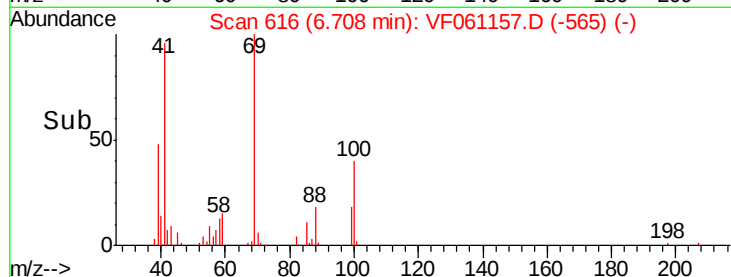
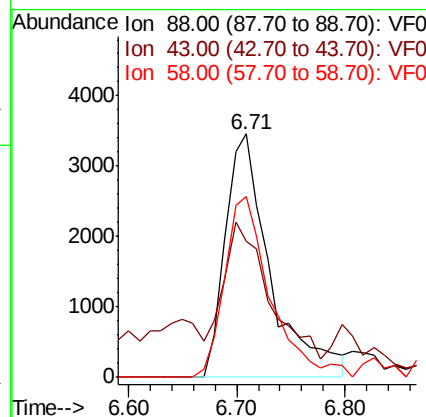
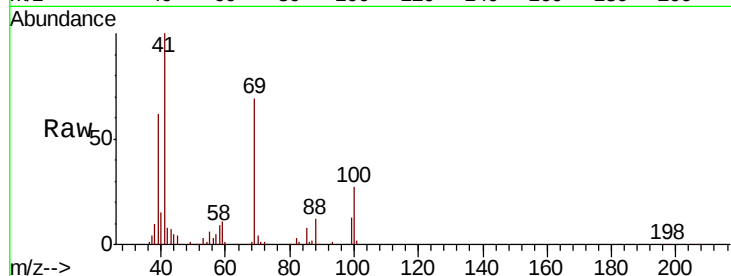
#49
1,4-Dioxane
Concen: 966.567 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.1	33.3	49.9#
58	74.5	53.2	79.8

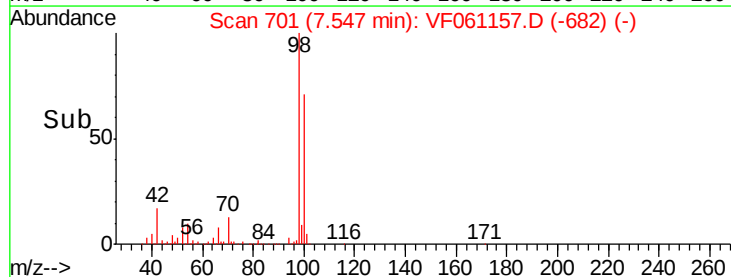
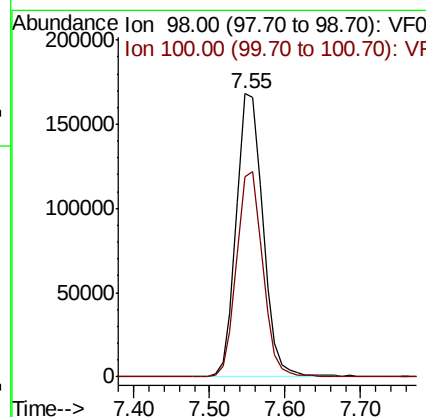
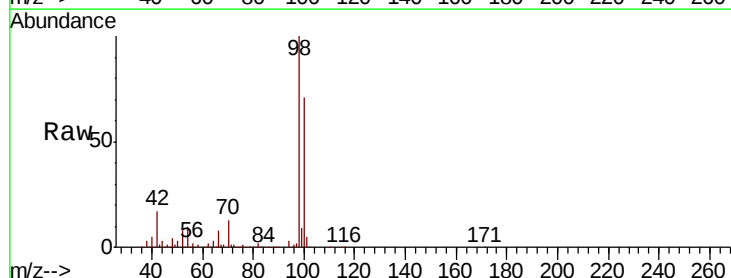
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#50
Toluene-d8
Concen: 51.482 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.7	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 263.019 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 367798

Ion Ratio Lower Upper

43 100

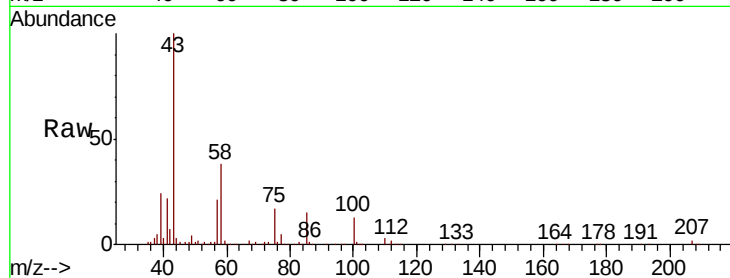
58 37.5 29.1 43.7

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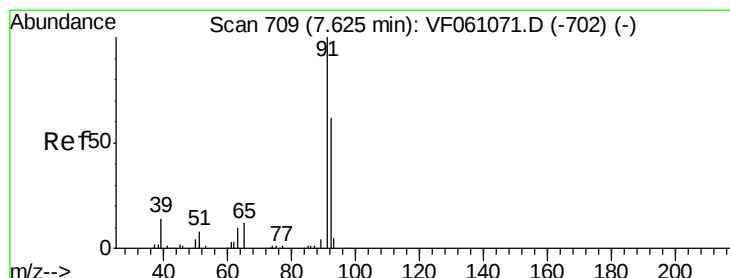
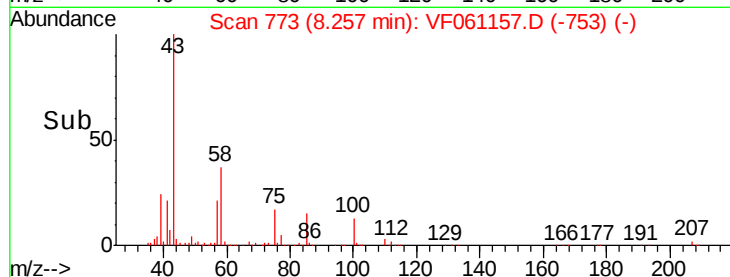
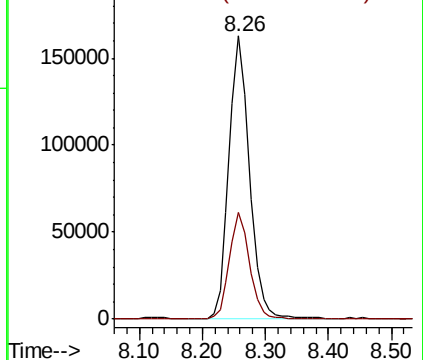
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.538 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061157.D

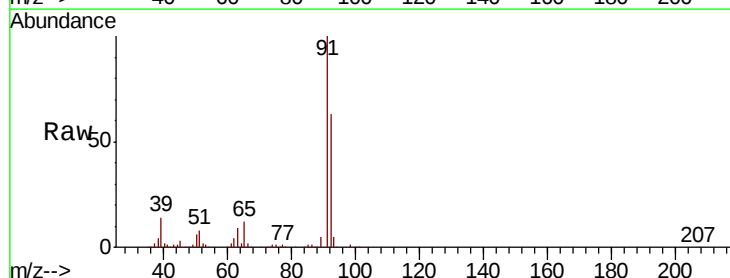
Acq: 24 Dec 2018 11:06

Tgt Ion: 92 Resp: 321829

Ion Ratio Lower Upper

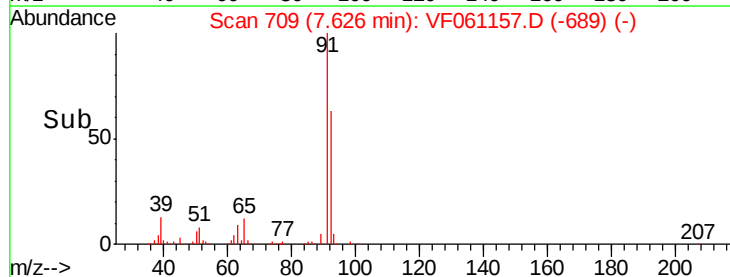
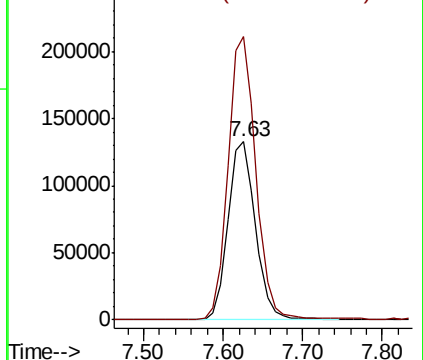
92 100

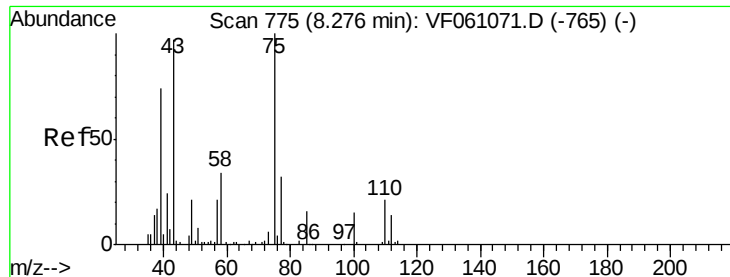
91 159.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.802 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 167274

Ion Ratio Lower Upper

75 100

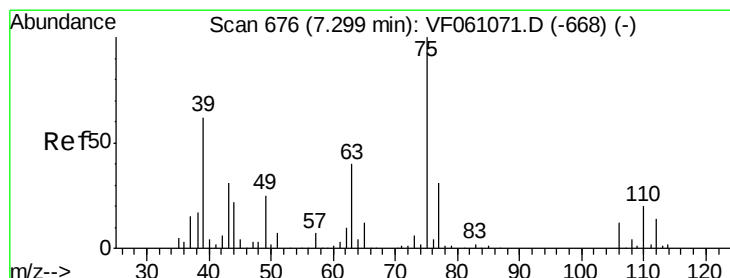
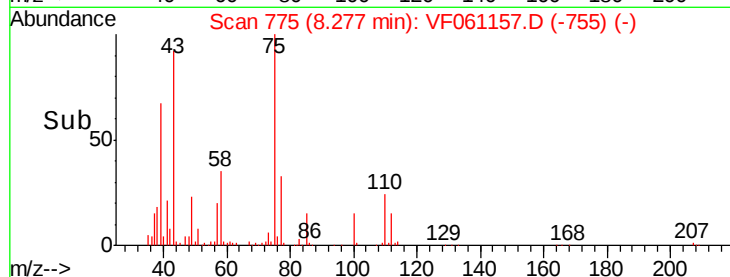
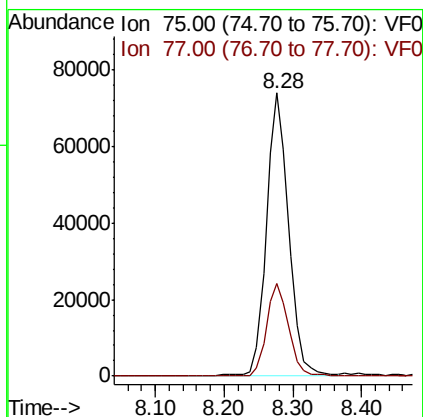
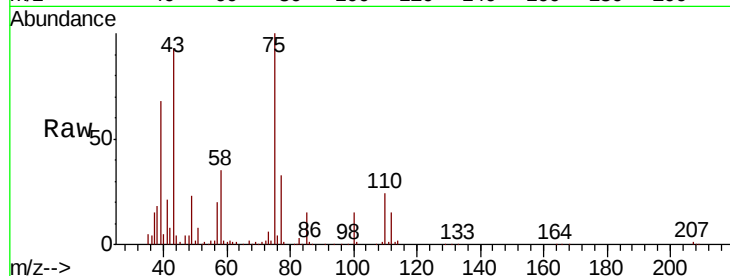
77 32.5 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 52.907 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

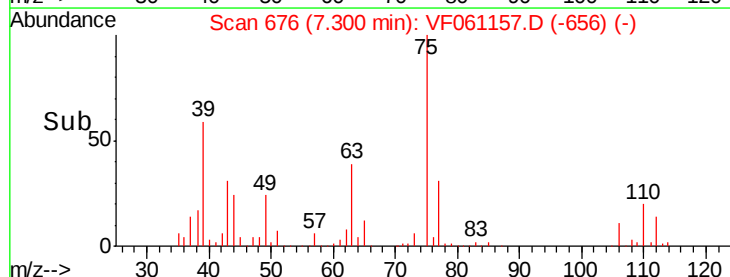
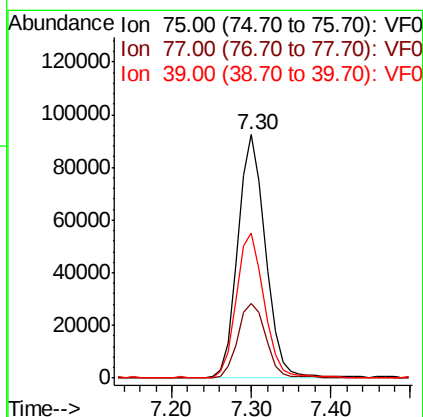
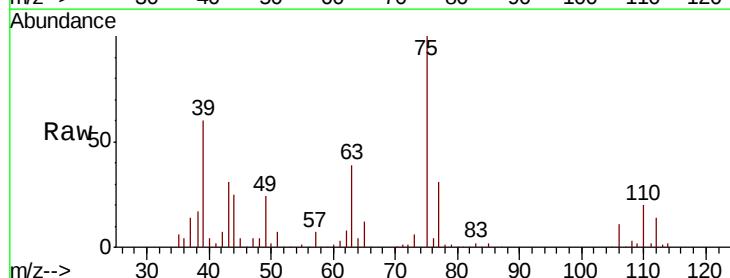
Tgt Ion: 75 Resp: 223030

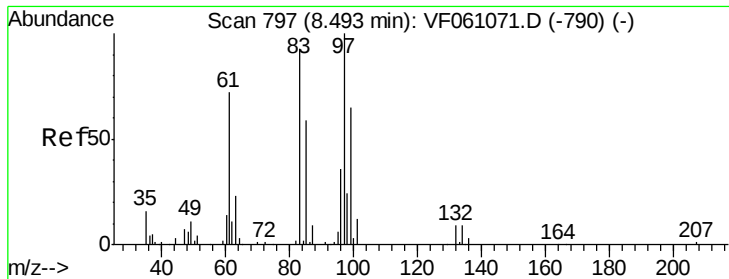
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

39 59.5 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 50.220 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

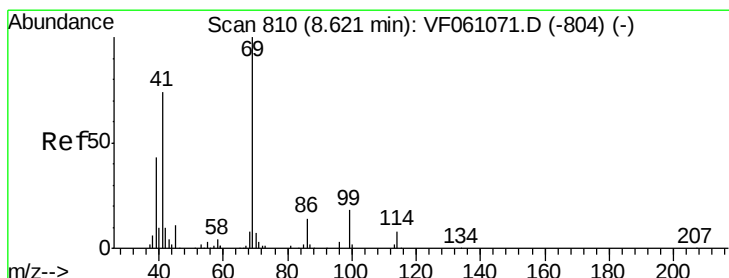
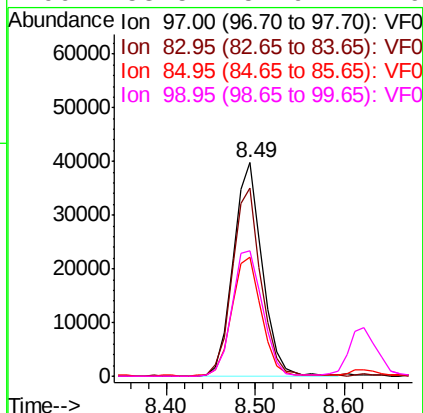
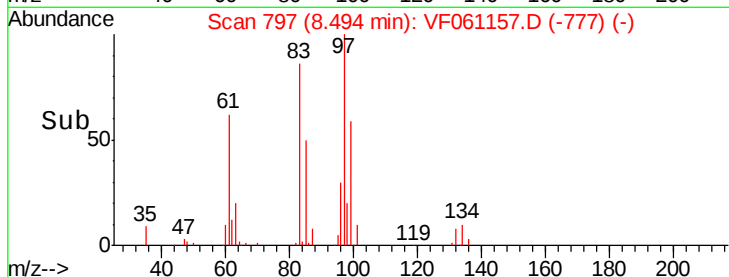
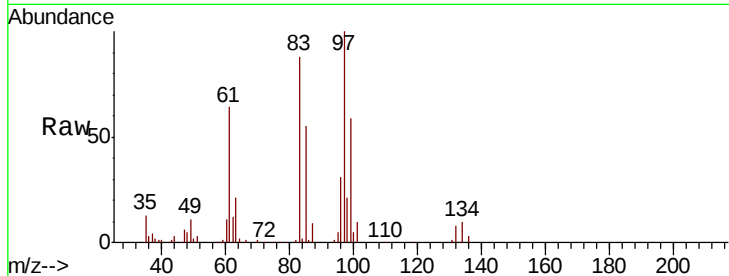
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	90500
Ion	Ratio	Lower	Upper
97	100		
83	88.2	75.0	112.4
85	55.5	47.5	71.3
99	58.5	51.9	77.9

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#56

Ethyl methacrylate

Concen: 54.078 ug/l

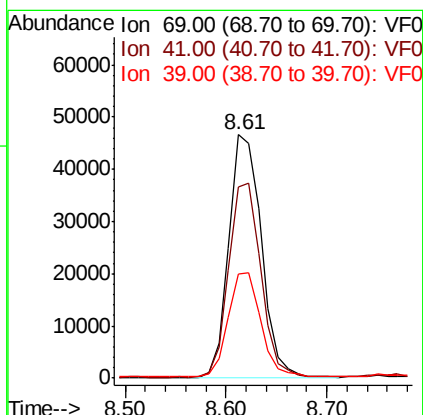
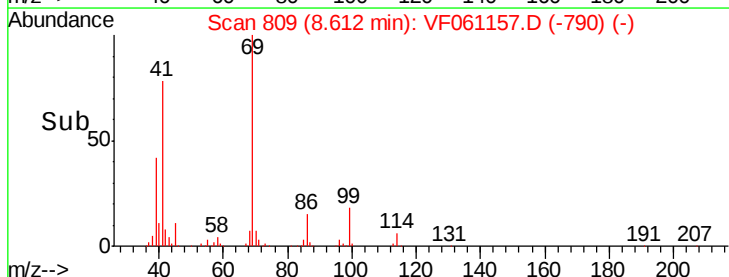
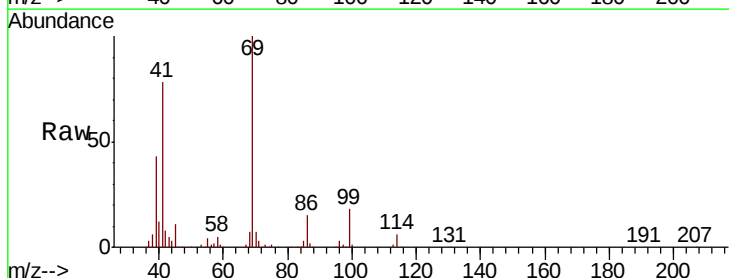
RT: 8.61 min Scan# 809

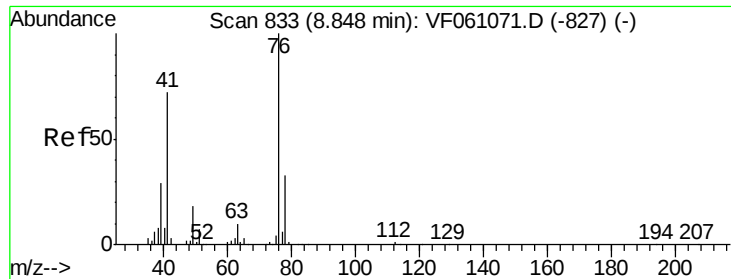
Delta R.T. -0.01 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion:	69	Resp:	105452
Ion	Ratio	Lower	Upper
69	100		
41	78.5	59.7	89.5
39	42.9	35.0	52.6





#57

1,3-Dichloropropane

Concen: 52.683 ug/l

RT: 8.85 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 171708

Ion Ratio Lower Upper

76 100

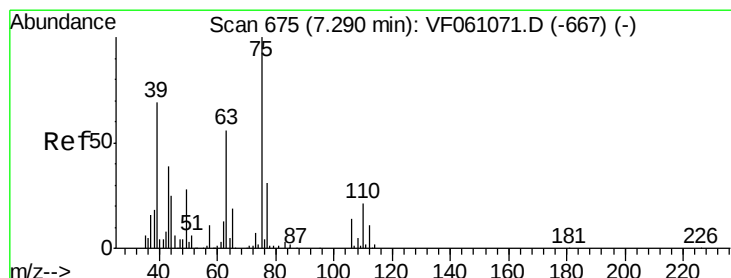
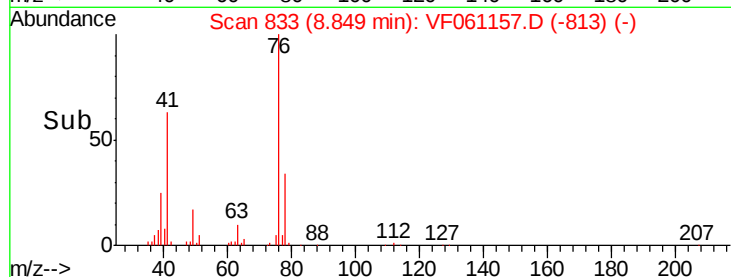
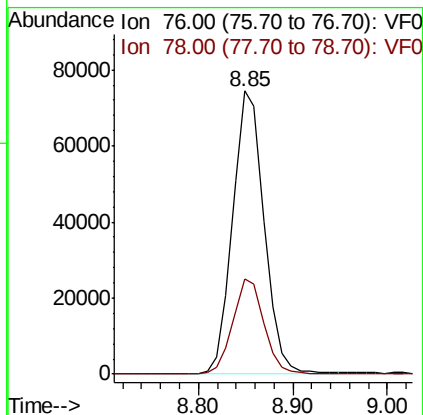
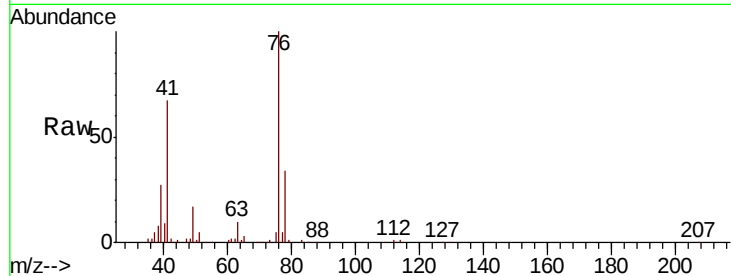
78 33.7 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 246.760 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061157.D

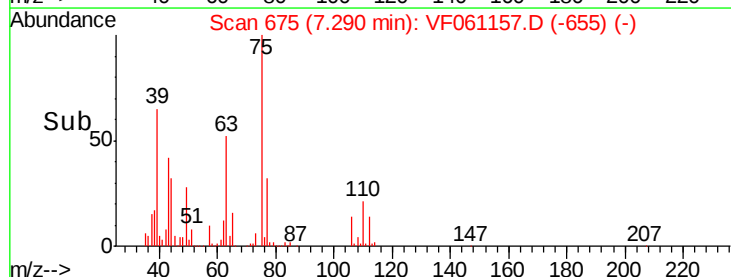
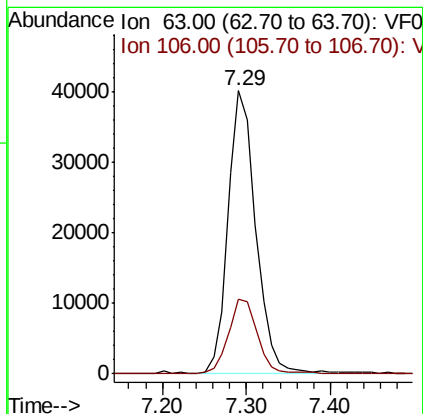
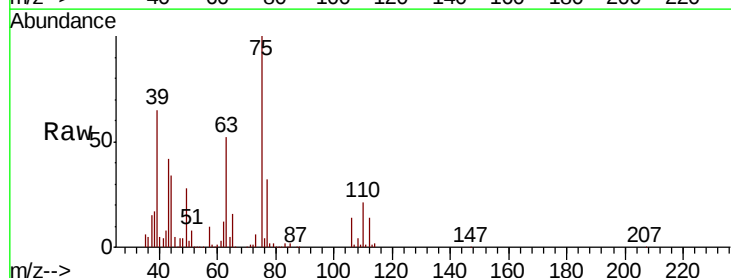
Acq: 24 Dec 2018 11:06

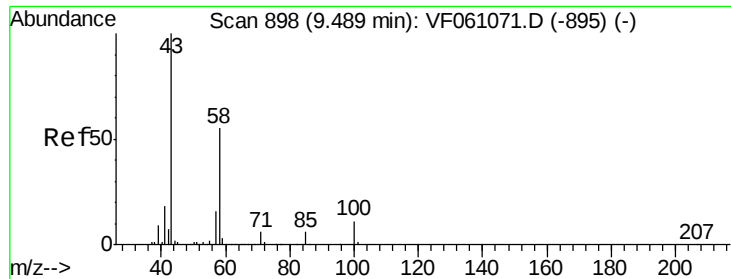
Tgt Ion: 63 Resp: 92414

Ion Ratio Lower Upper

63 100

106 26.3 19.8 29.8





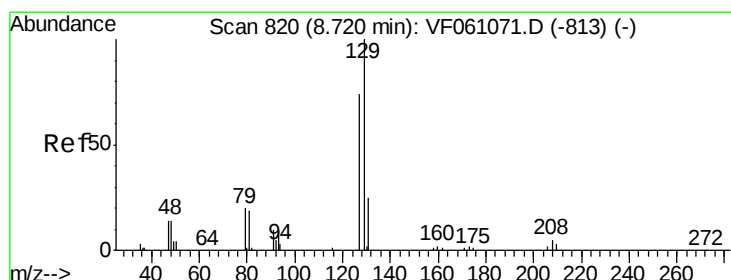
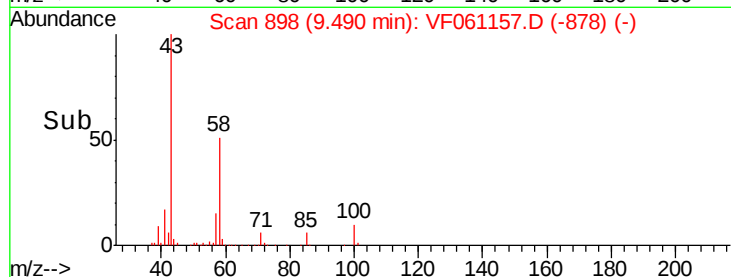
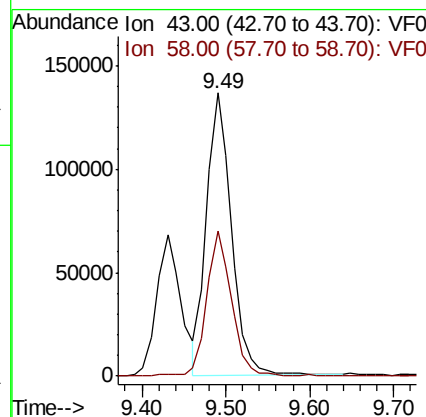
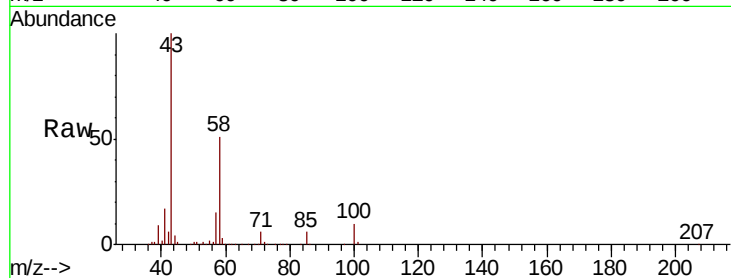
#59
2-Hexanone
Concen: 276.571 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.1	75.2

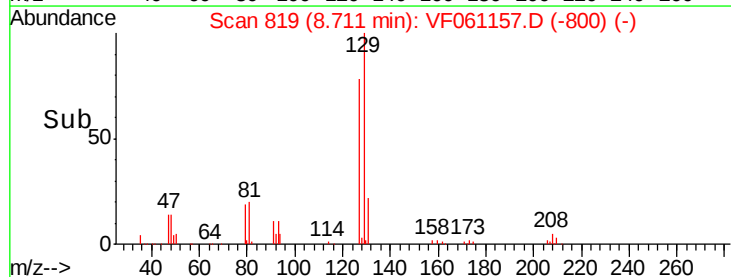
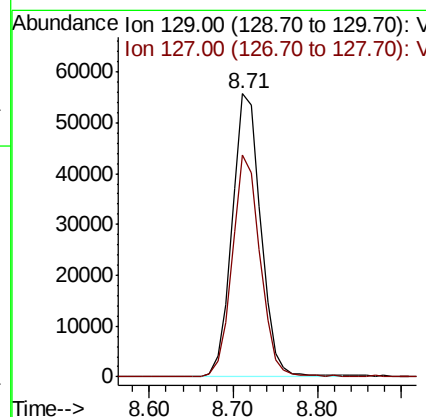
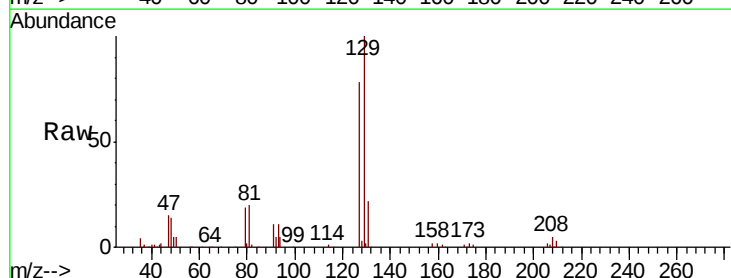
Manual Integrations
APPROVED

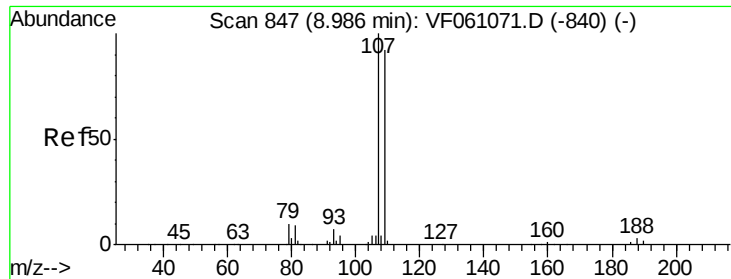
apatel
12/27/2018 12:57:28 PM



#60
Dibromochloromethane
Concen: 50.974 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	36.8	110.3





#61

1,2-Dibromoethane

Concen: 52.043 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 100162

Ion Ratio Lower Upper

107 100

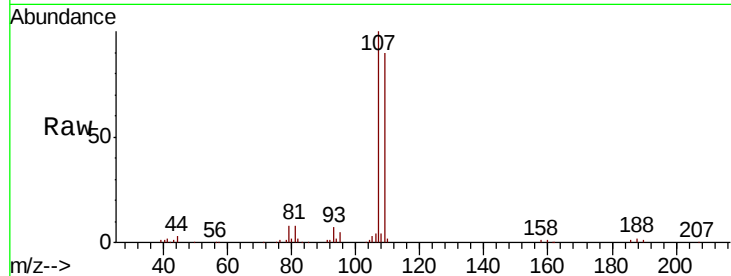
109 89.9 73.7 110.5

Manual Integrations

APPROVED

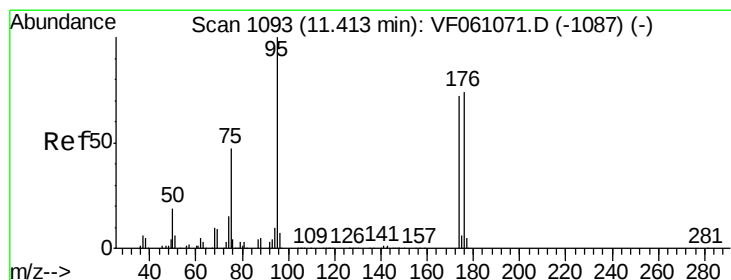
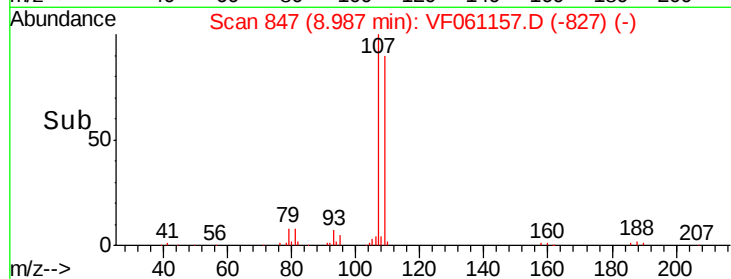
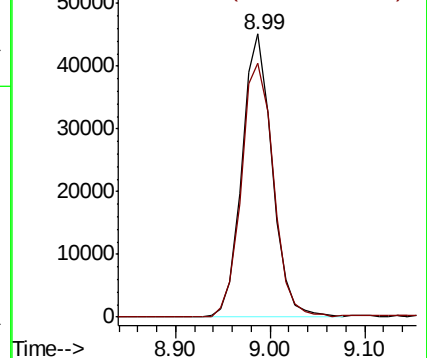
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.885 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

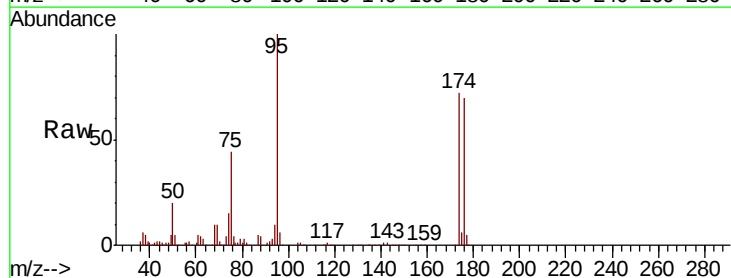
Tgt Ion: 95 Resp: 164334

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.8

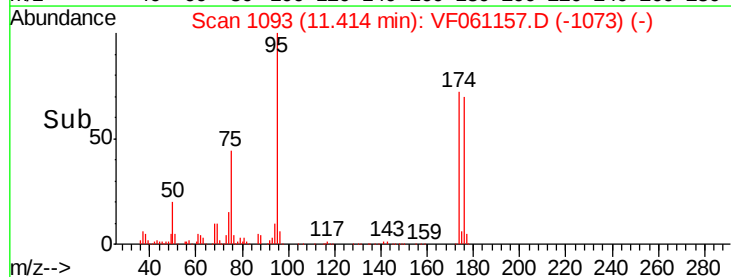
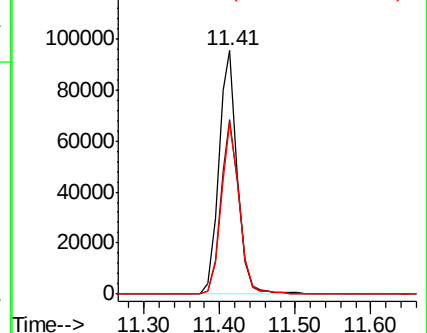
176 70.0 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





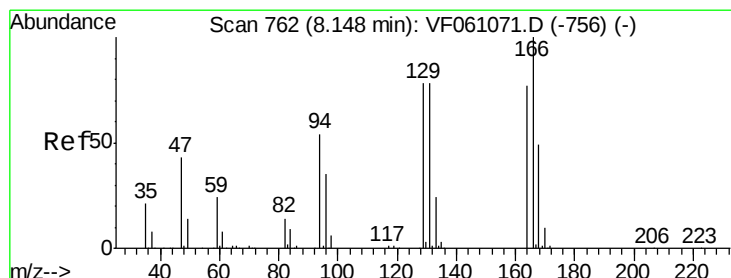
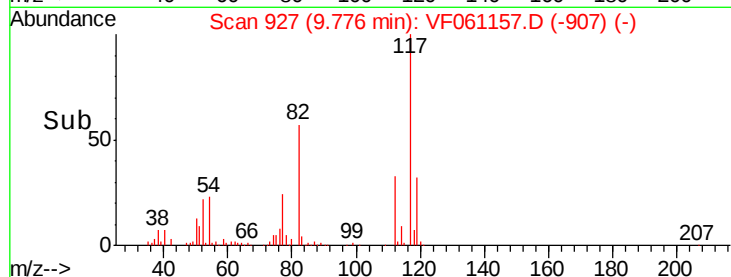
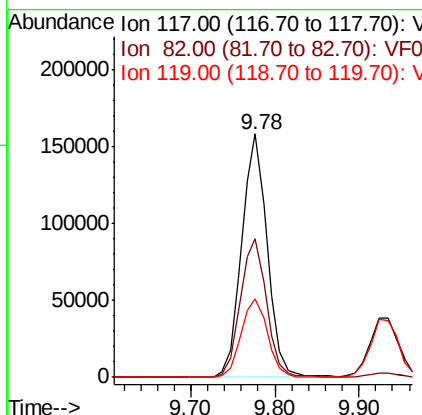
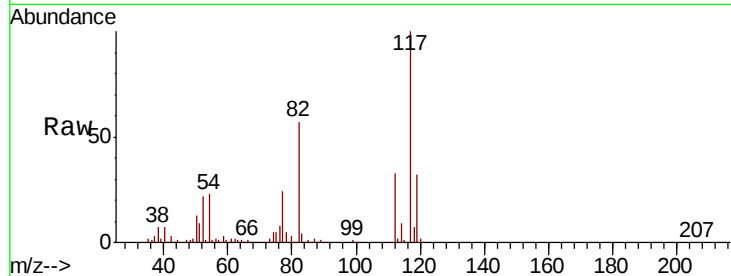
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.0	67.4
119	32.4	24.8	37.2

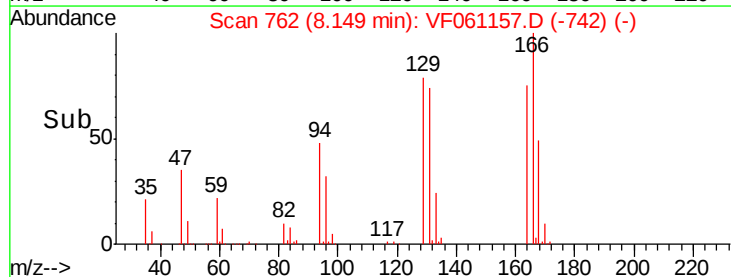
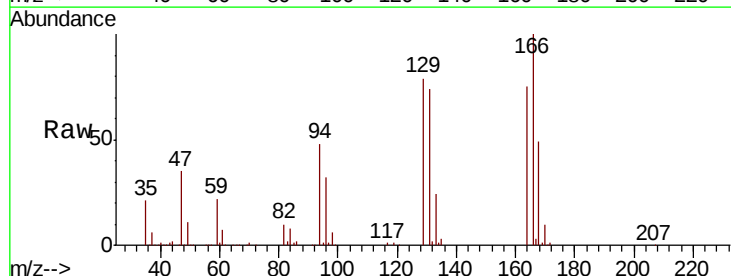
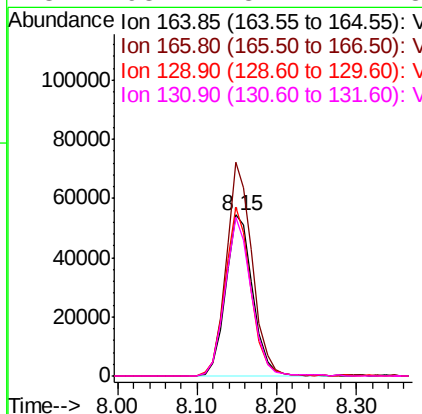
Manual Integrations
APPROVED

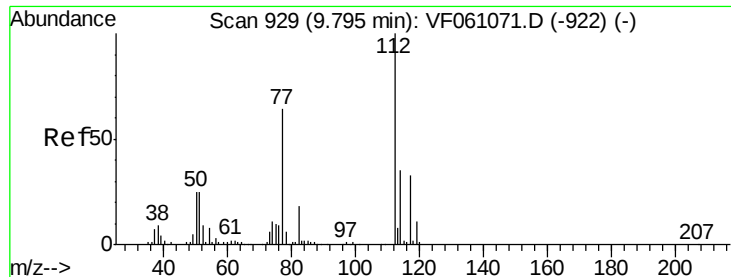
apatel
12/27/2018 12:57:28 PM



#64
Tetrachloroethene
Concen: 50.189 ug/l
RT: 8.15 min Scan# 762
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	104.0	156.0
129	105.5	81.1	121.7
131	98.4	81.2	121.8





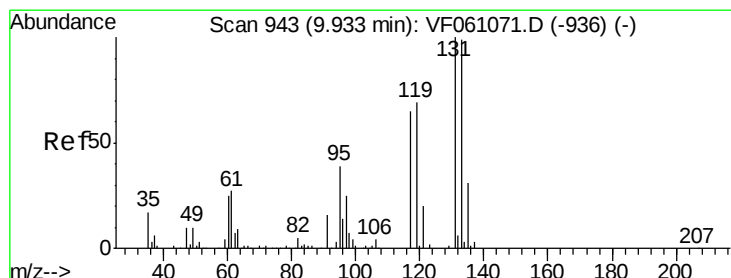
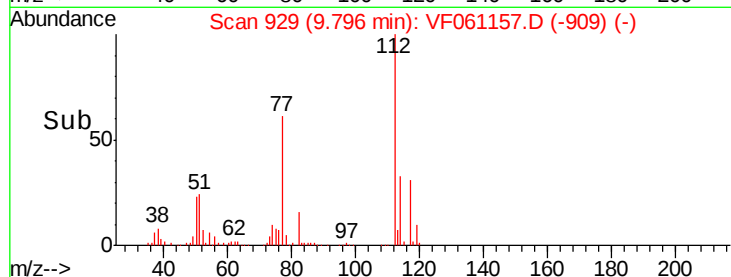
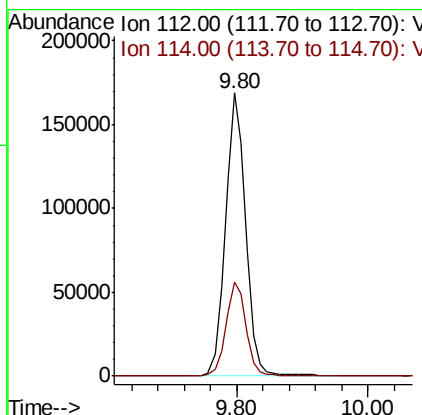
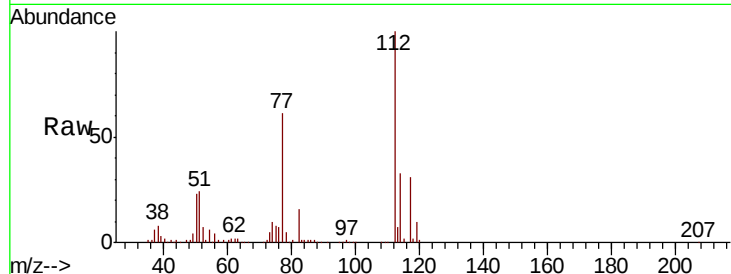
#65
Chlorobenzene
Concen: 52.592 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	363664		
114	33.0	27.8	41.6	

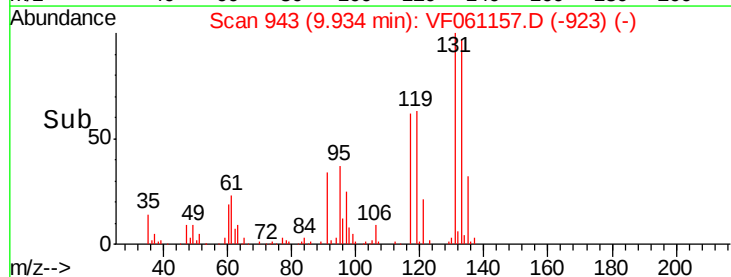
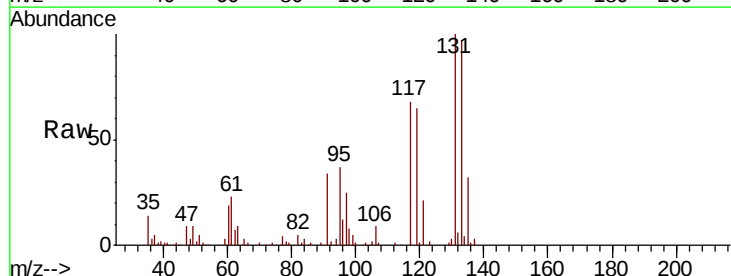
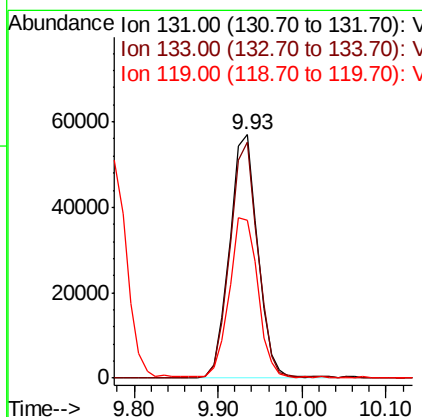
Manual Integrations
APPROVED

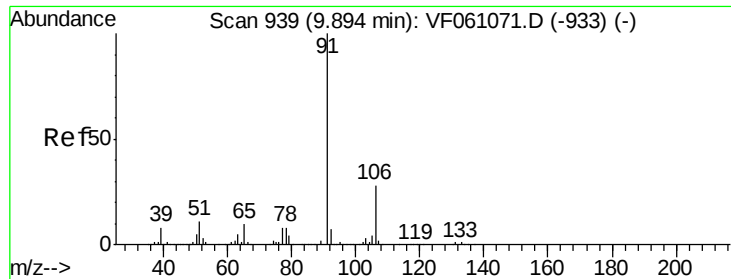
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.204 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	133390		
133	96.8	49.5	148.7	
119	65.0	34.5	103.5	





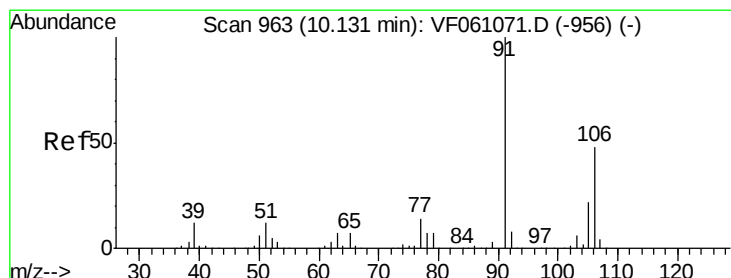
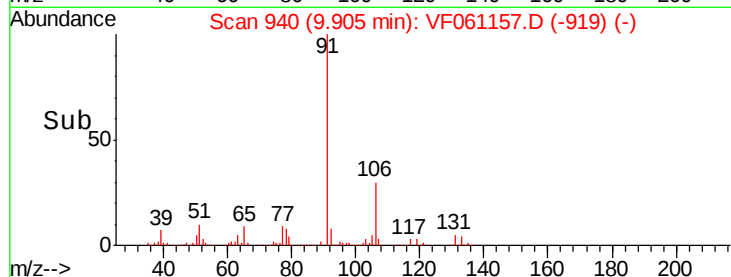
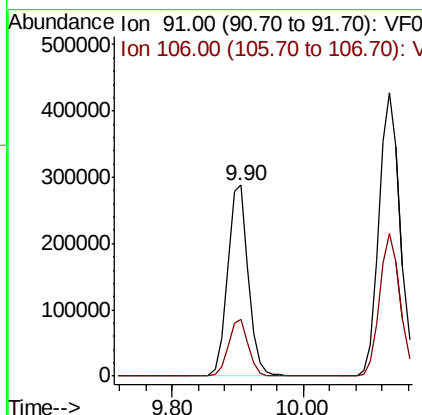
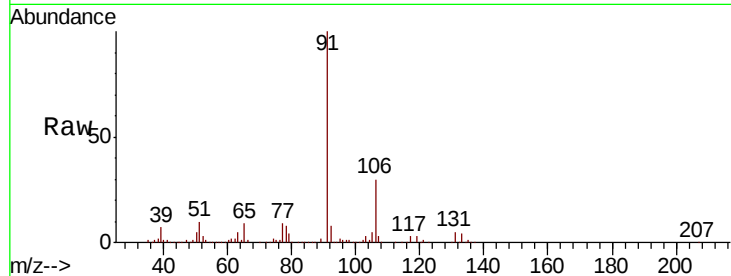
#67
Ethyl Benzene
Concen: 50.400 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 634910
Ion Ratio Lower Upper
91 100
106 30.0 22.5 33.7

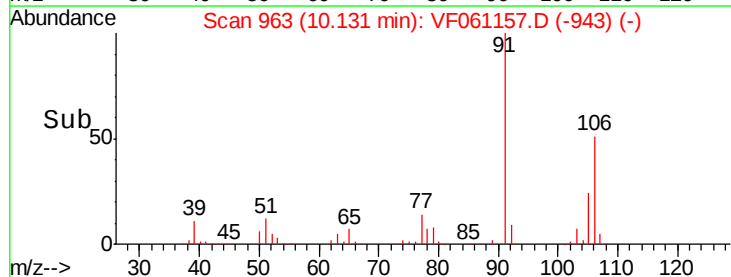
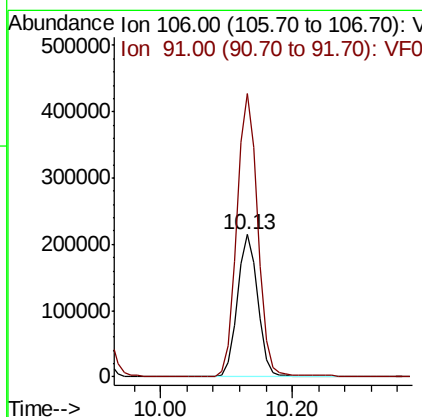
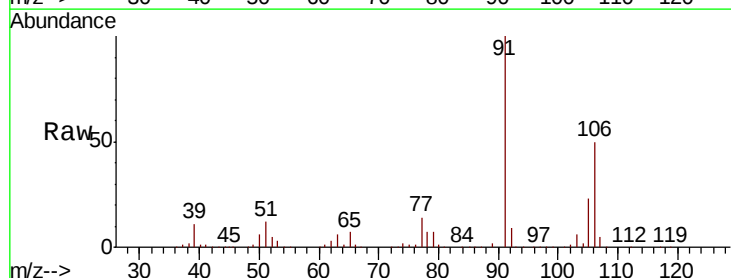
Manual Integrations
APPROVED

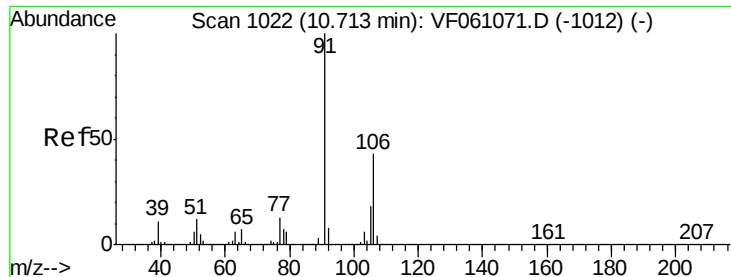
apatel
12/27/2018 12:57:28 PM



#68
m/p-Xylenes
Concen: 106.042 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion: 106 Resp: 470124
Ion Ratio Lower Upper
106 100
91 198.7 168.2 252.2





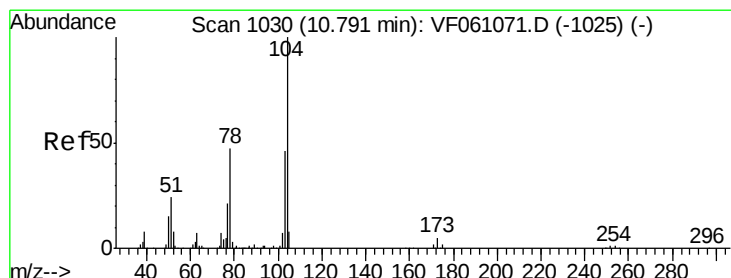
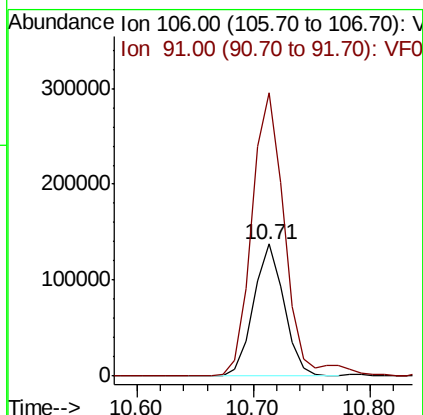
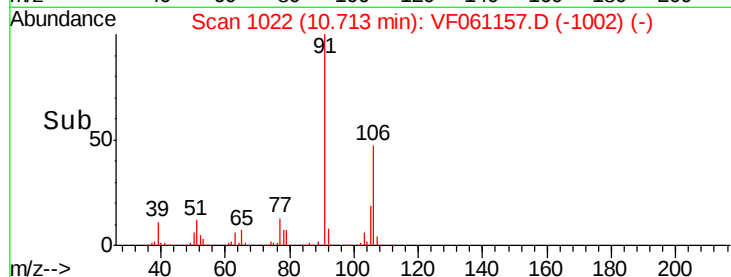
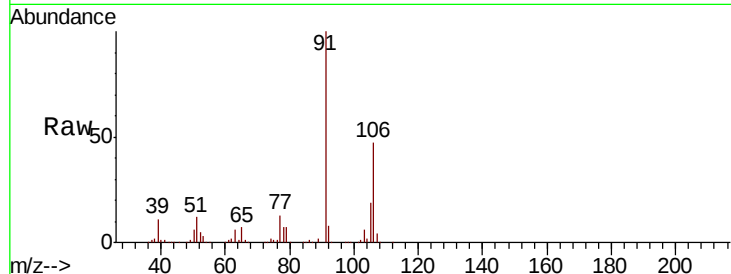
#69
o-Xylene
Concen: 50.794 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	115.9	347.7

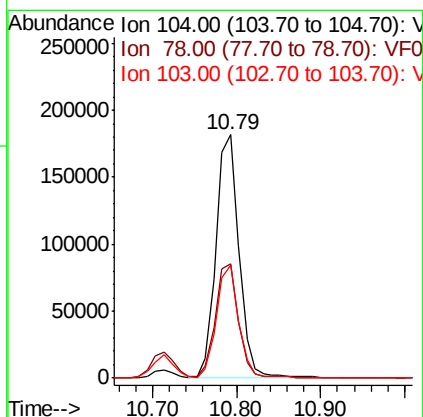
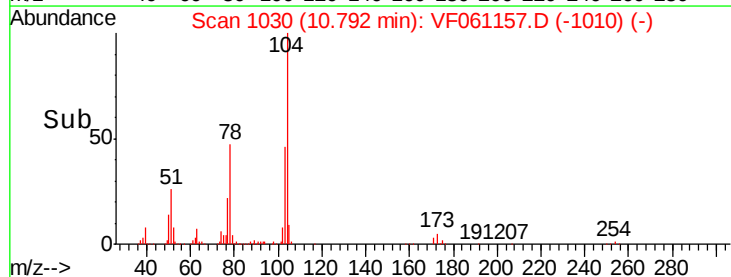
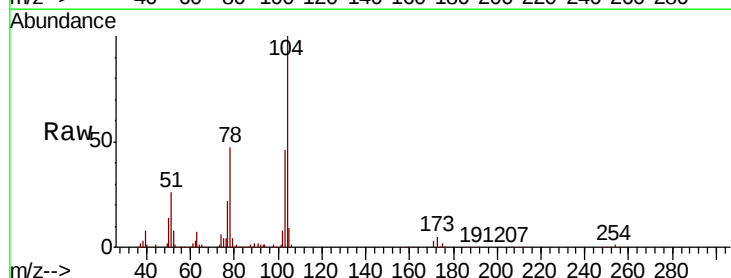
Manual Integrations
APPROVED

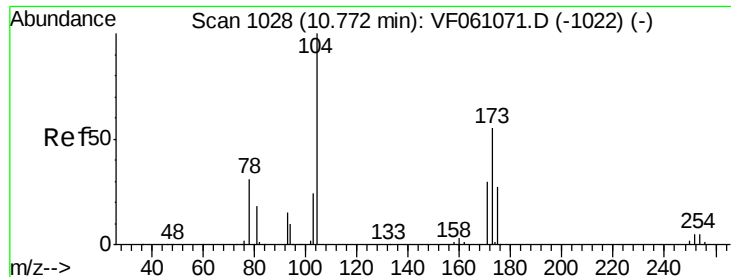
apatel
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#70
Styrene
Concen: 58.407 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.4	57.6
103	46.2	37.0	55.6





#71

Bromoform

Concen: 49.932 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 65279

Ion Ratio Lower Upper

173 100

175 49.4 24.8 74.4

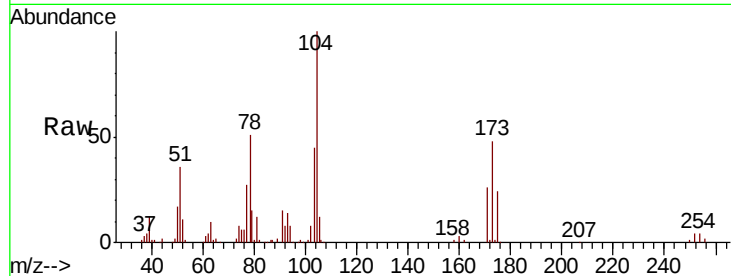
254 7.7 0.0 0.0#

Manual Integrations

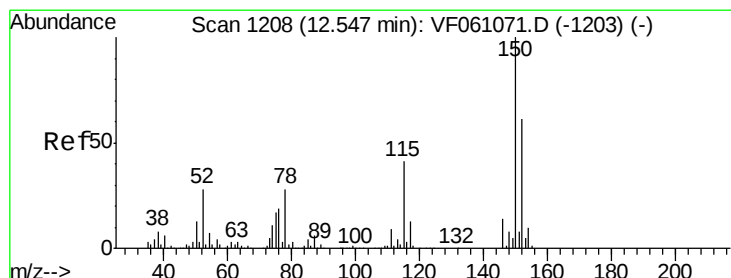
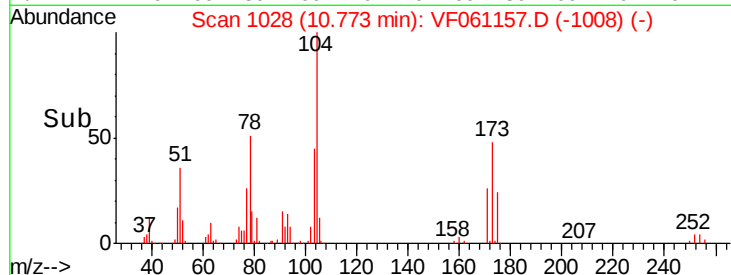
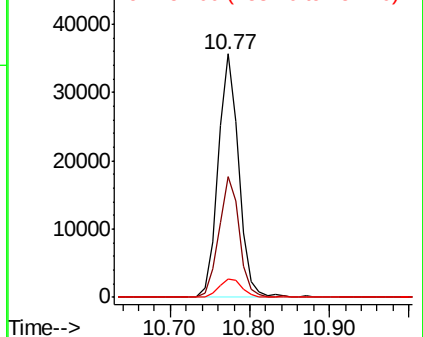
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

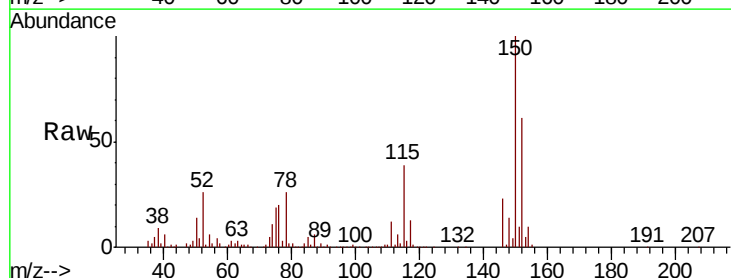
Tgt Ion:152 Resp: 154207

Ion Ratio Lower Upper

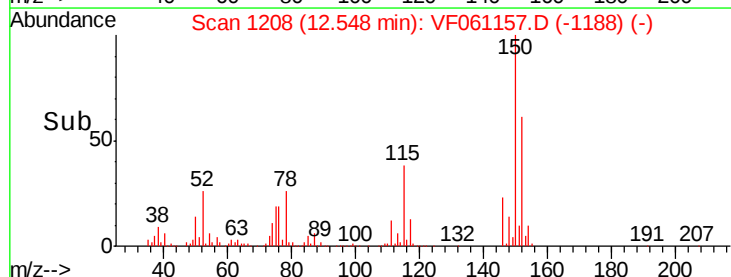
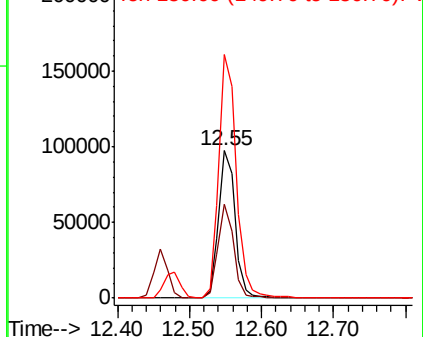
152 100

115 63.6 33.3 99.9

150 165.0 0.0 328.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 55.402 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 736230

Ion Ratio Lower Upper

105 100

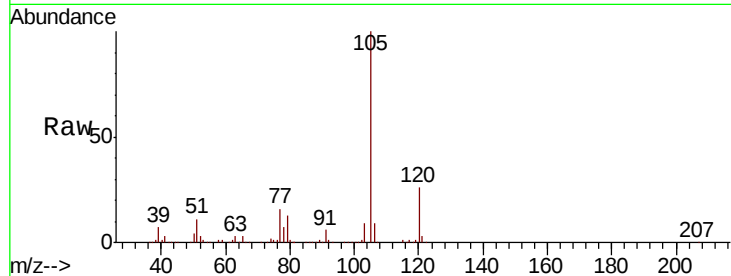
120 26.3 13.0 39.0

Manual Integrations

APPROVED

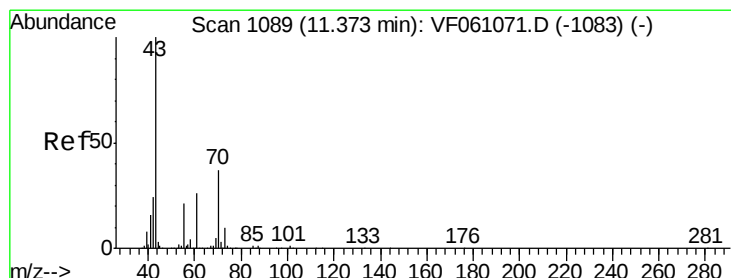
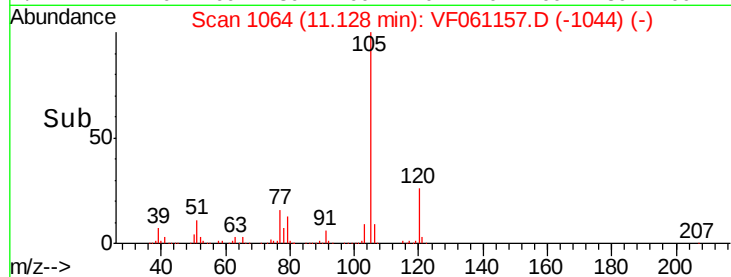
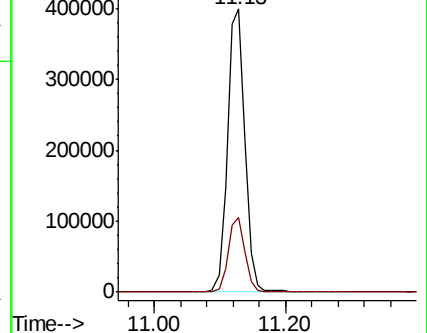
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.426 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Tgt Ion: 43 Resp: 163526

Ion Ratio Lower Upper

43 100

70 36.0 29.2 43.8

55 19.3 16.5 24.7

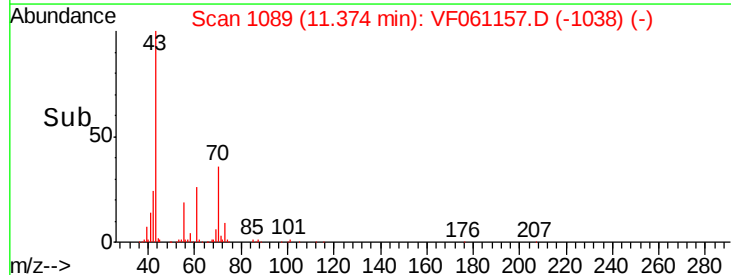
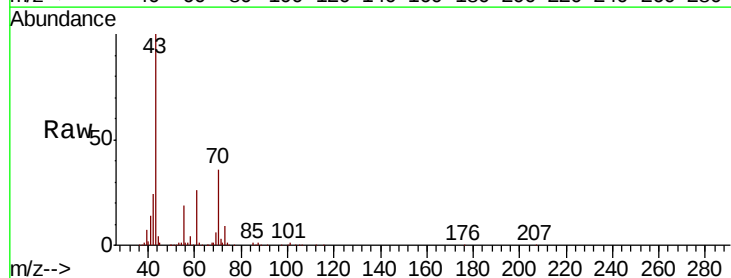
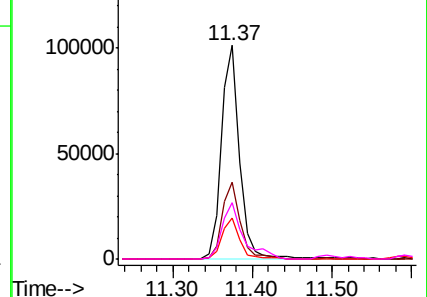
61 26.2 20.7 31.1

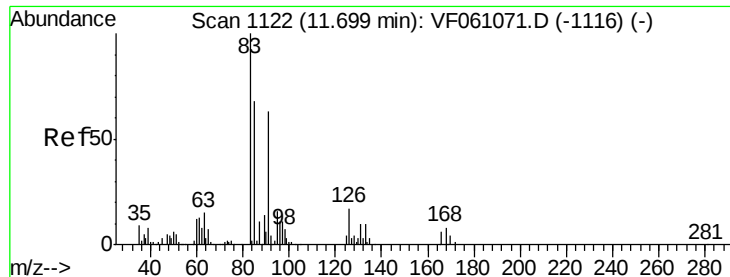
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 51.756 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 114148
Ion Ratio Lower Upper

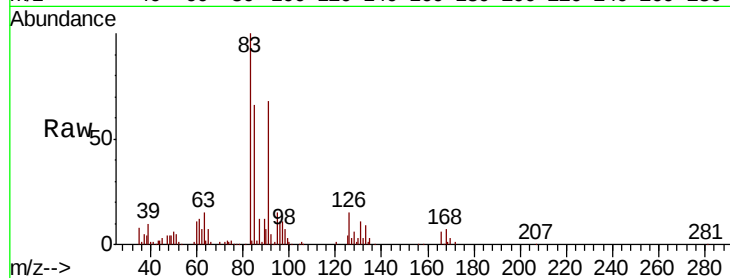
83 100

131 10.7 4.8 14.3

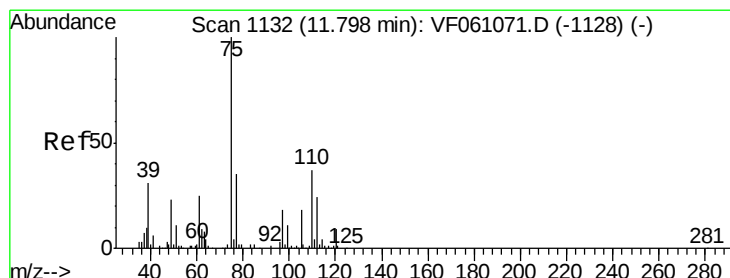
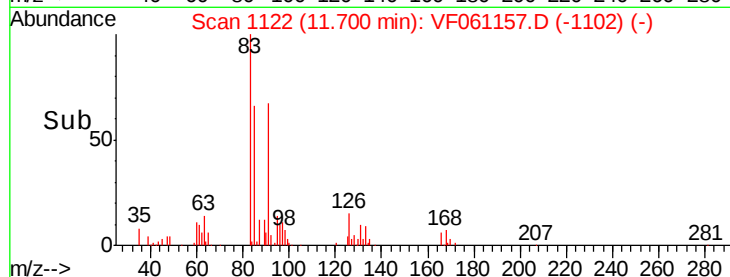
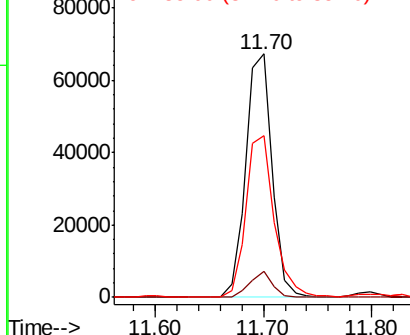
85 66.4 33.9 101.6

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



#76

1,2,3-Trichloropropane

Concen: 49.958 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

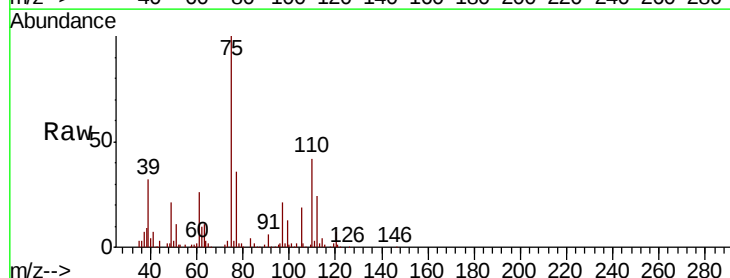
Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

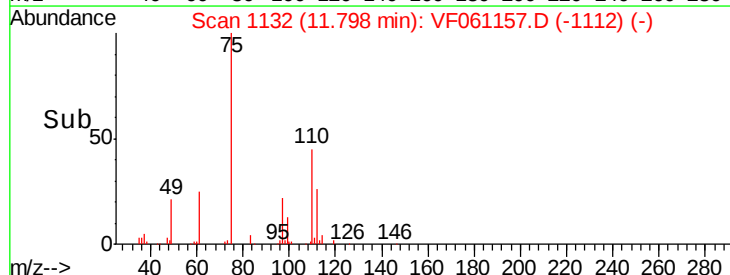
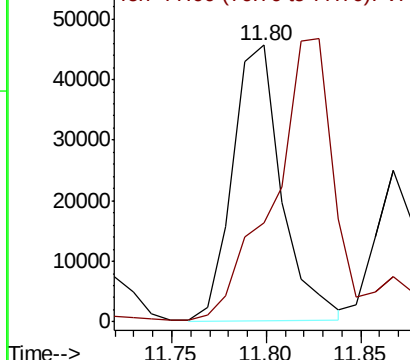
Tgt Ion: 75 Resp: 81997
Ion Ratio Lower Upper

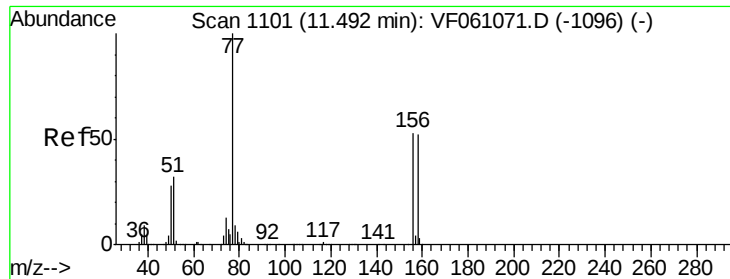
75 100

77 35.7 17.6 52.9



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





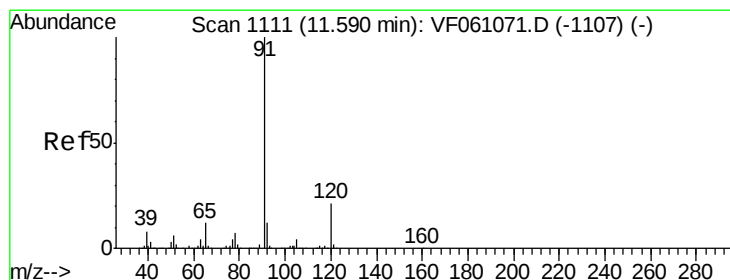
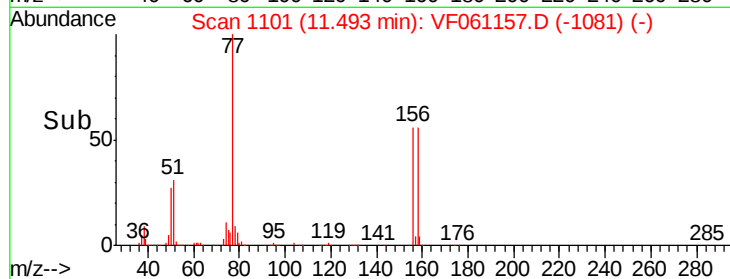
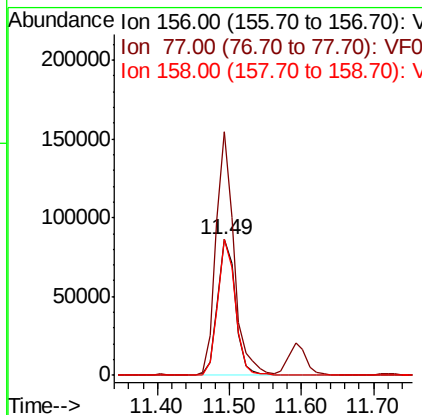
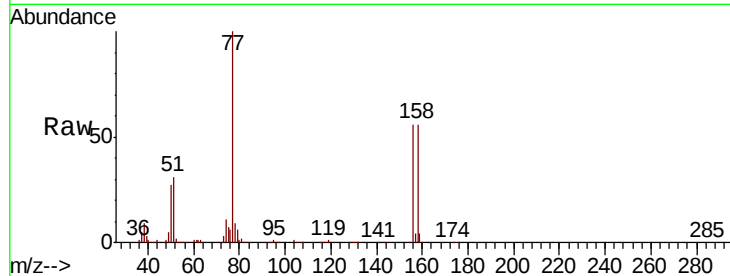
#77
Bromobenzene
Concen: 51.585 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.0	93.8	281.4
158	100.2	48.9	146.8

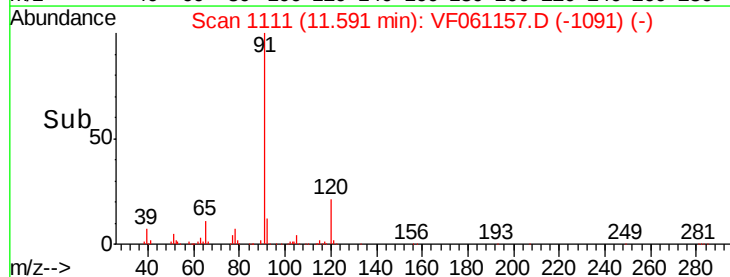
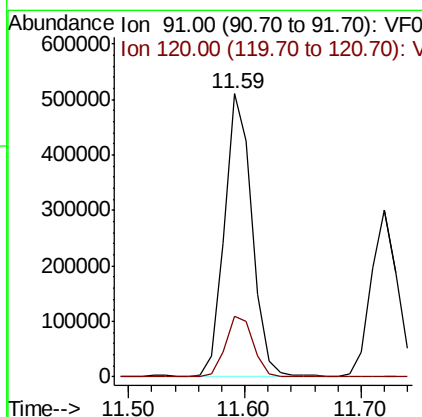
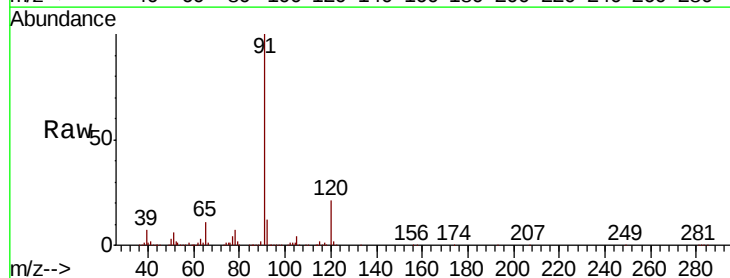
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#78
n-propylbenzene
Concen: 55.598 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.4	31.2





#79

2-Chlorotoluene

Concen: 51.197 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 466720

Ion Ratio Lower Upper

91 100

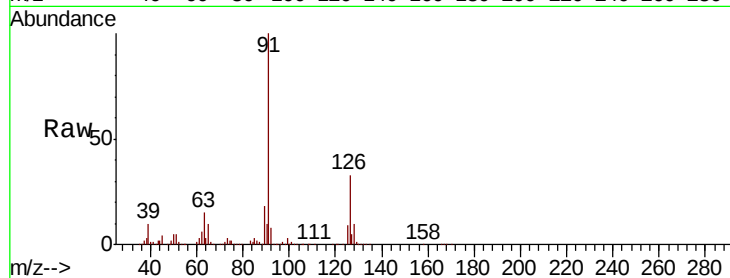
126 32.7 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VF061157.D (-1120) (-)

Ion 126.00 (125.70 to 126.70): VF061157.D (-1120) (-)

11.72

300000

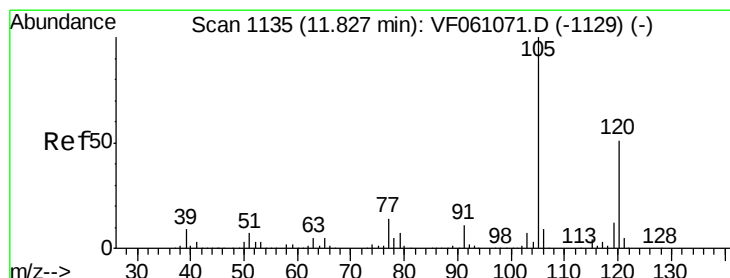
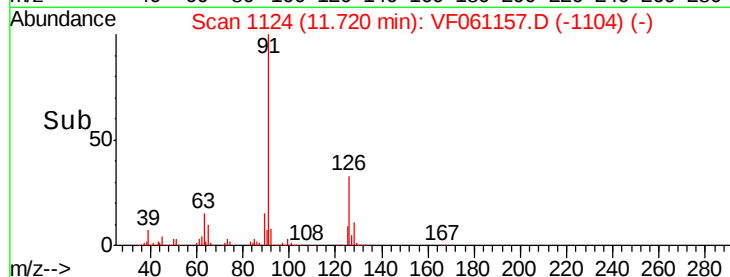
200000

100000

0

11.65 11.70 11.75 11.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.908 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061157.D

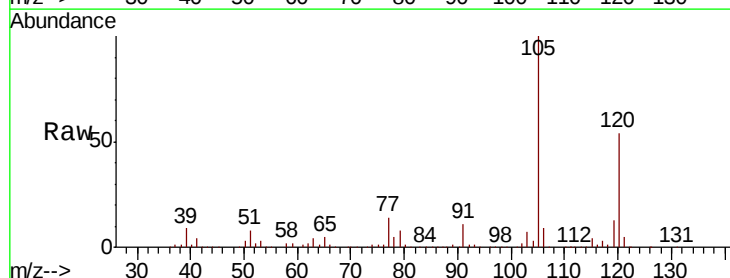
Acq: 24 Dec 2018 11:06

Tgt Ion: 105 Resp: 546115

Ion Ratio Lower Upper

105 100

120 53.8 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VF061157.D (-1135) (-)

Ion 120.00 (119.70 to 120.70): VF061157.D (-1135) (-)

11.83

400000

300000

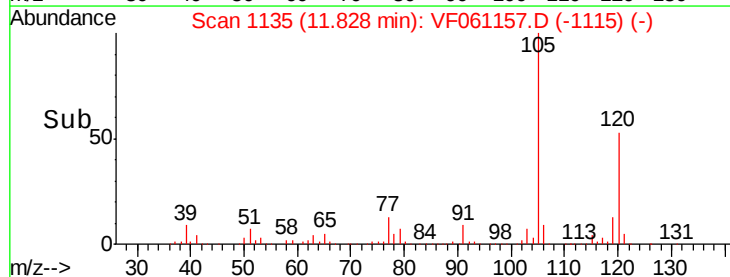
200000

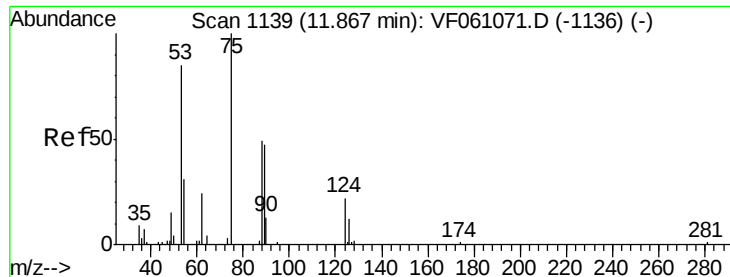
100000

0

11.70 11.80 11.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 56.134 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 39591

Ion Ratio Lower Upper

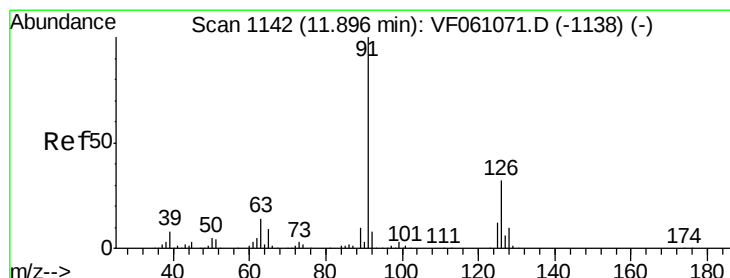
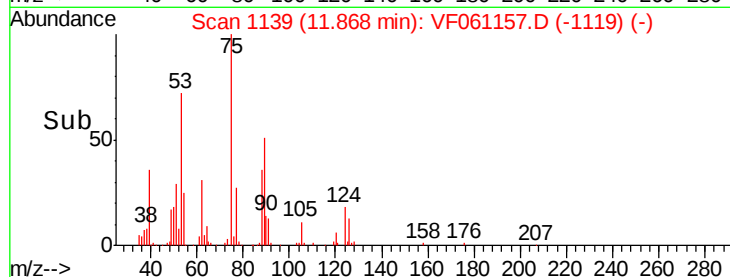
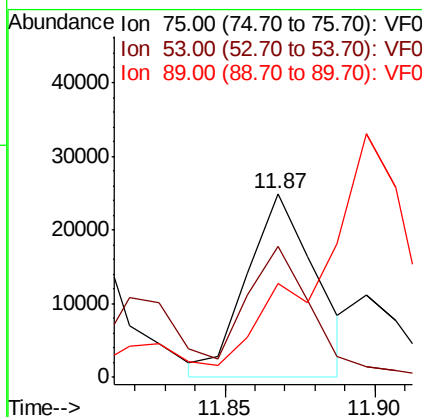
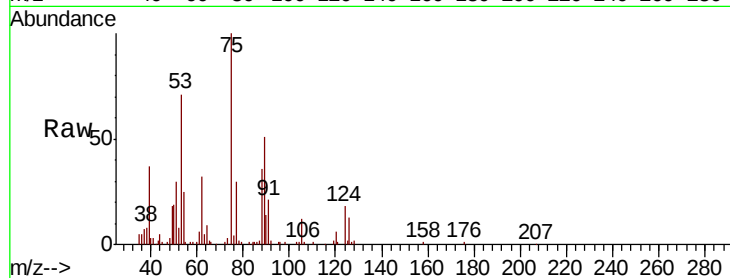
75 100

53 71.3 74.1 111.1#

89 50.8 42.6 64.0

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#82

4-Chlorotoluene

Concen: 49.710 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061157.D

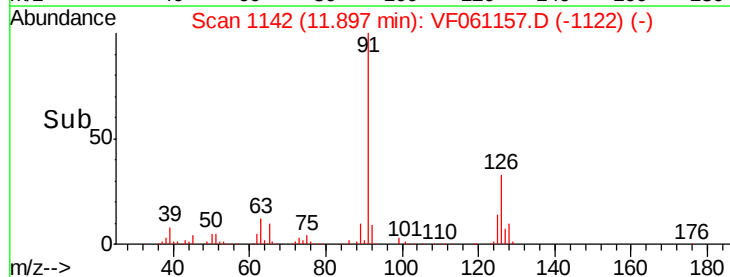
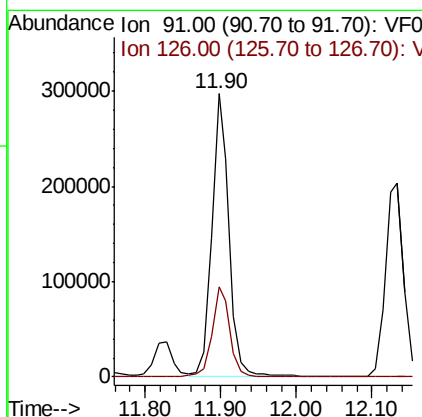
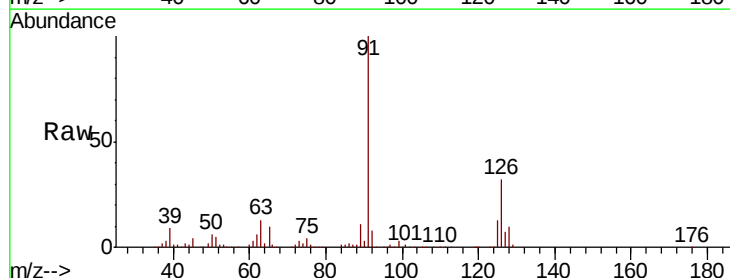
Acq: 24 Dec 2018 11:06

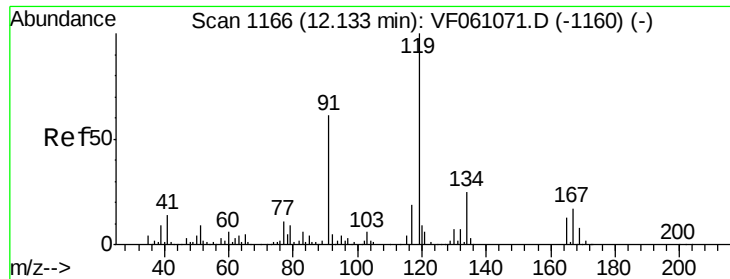
Tgt Ion: 91 Resp: 468783

Ion Ratio Lower Upper

91 100

126 31.8 16.0 47.9





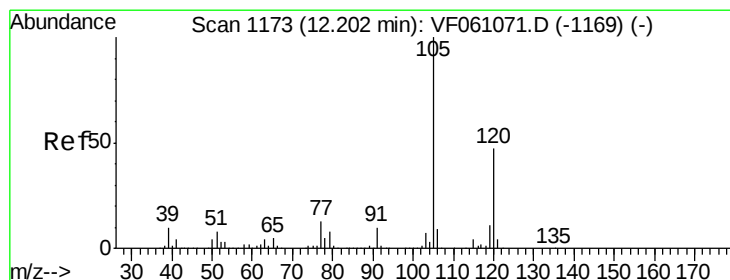
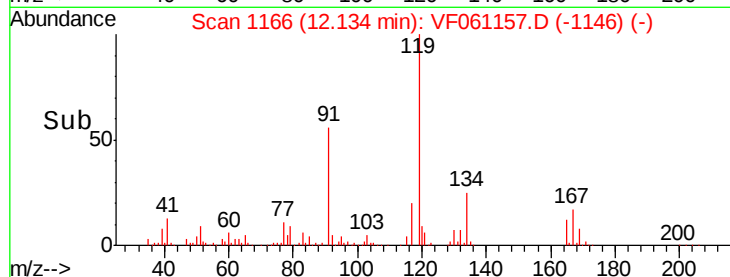
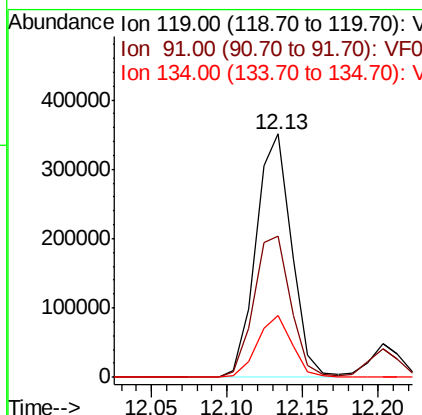
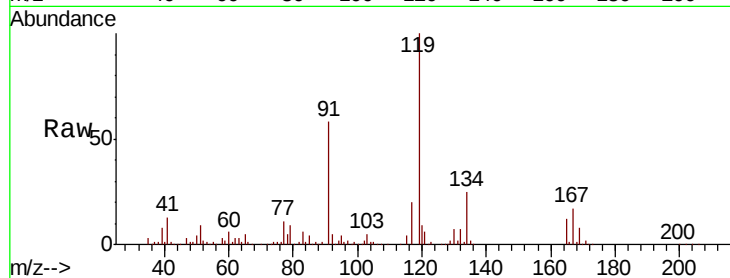
#83
tert-Butylbenzene
Concen: 51.265 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.1	30.5	91.5
134	25.2	12.4	37.4

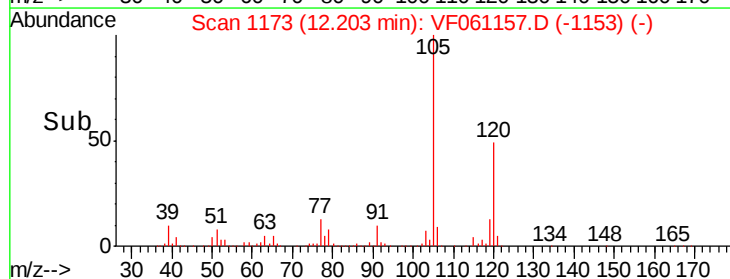
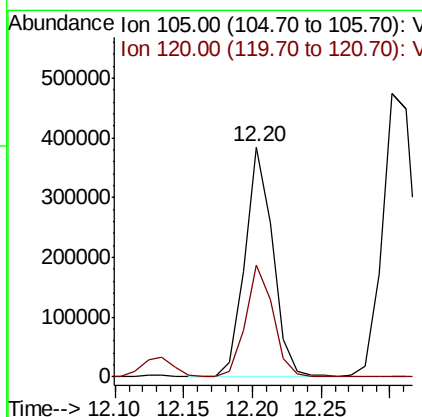
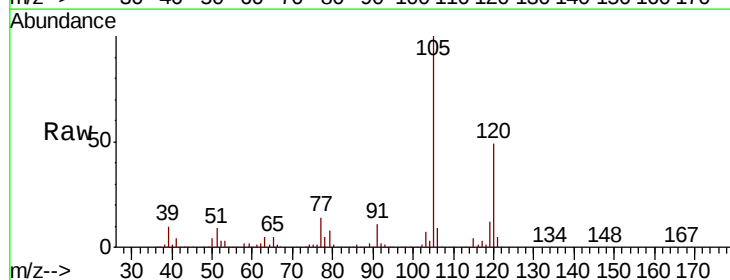
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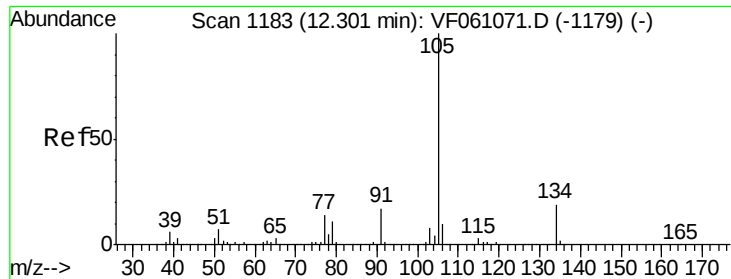
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 50.250 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.6	71.0





#85

sec-Butylbenzene

Concen: 52.723 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 774727

Ion Ratio Lower Upper

105 100

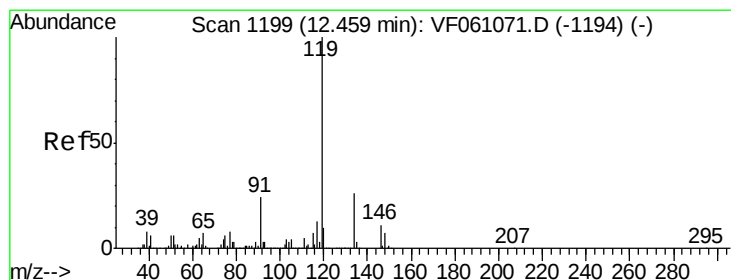
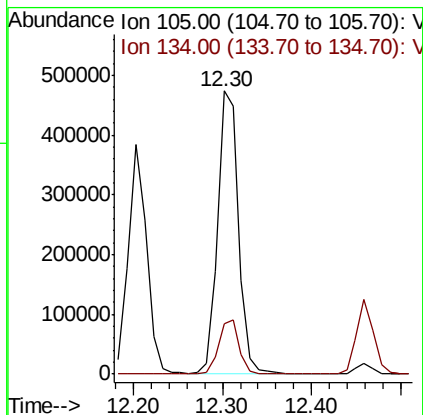
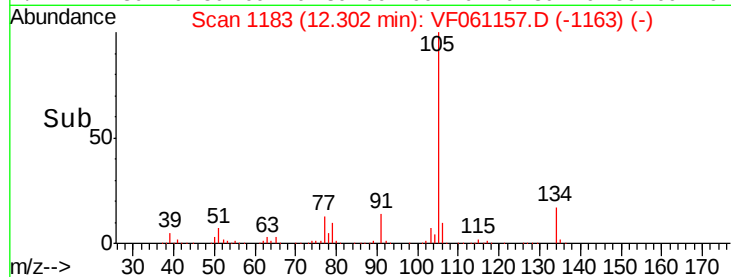
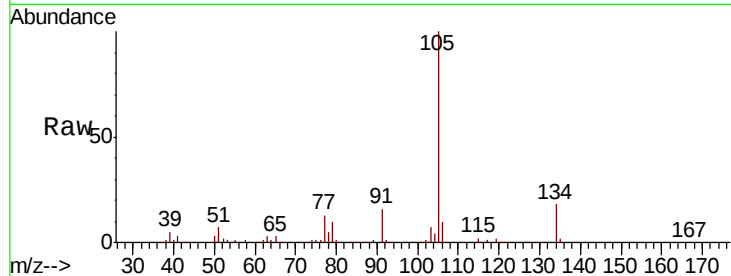
134 17.7 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 53.178 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VF061157.D

Acq: 24 Dec 2018 11:06

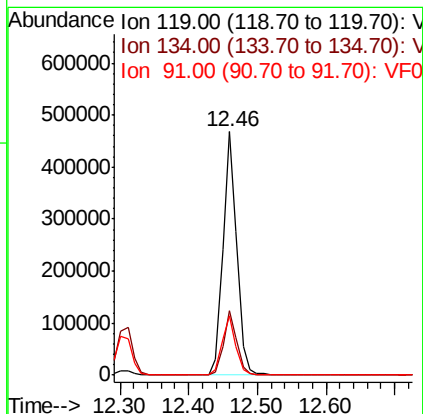
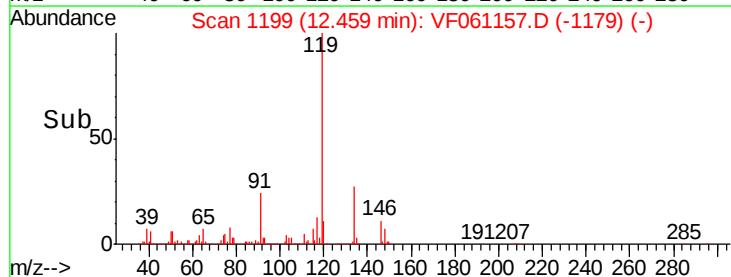
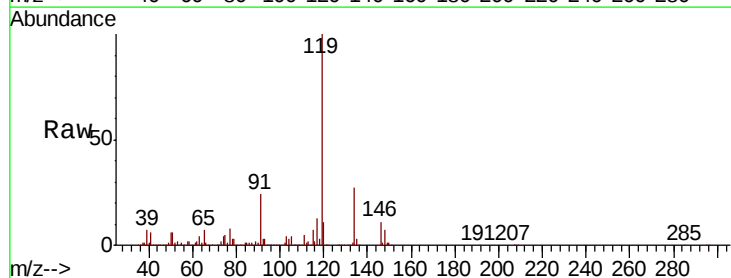
Tgt Ion:119 Resp: 648609

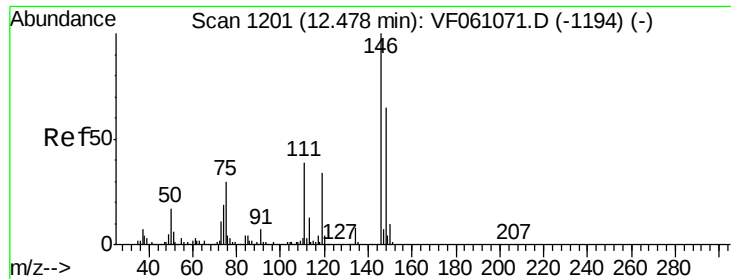
Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.4

91 24.2 12.2 36.6





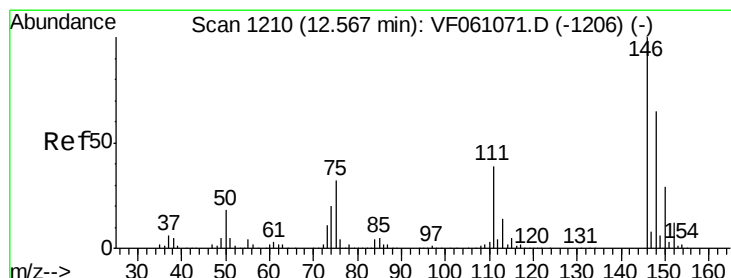
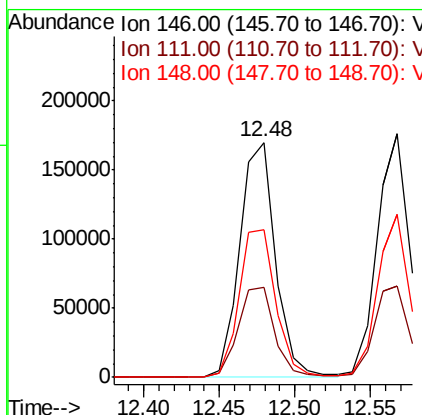
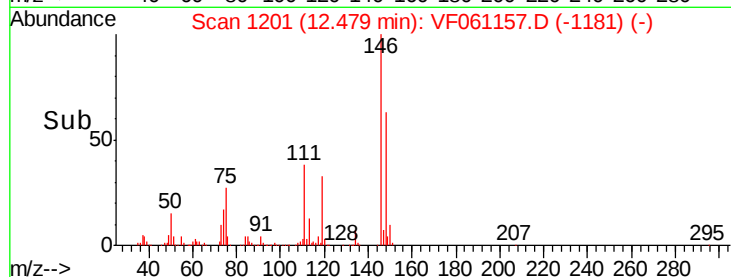
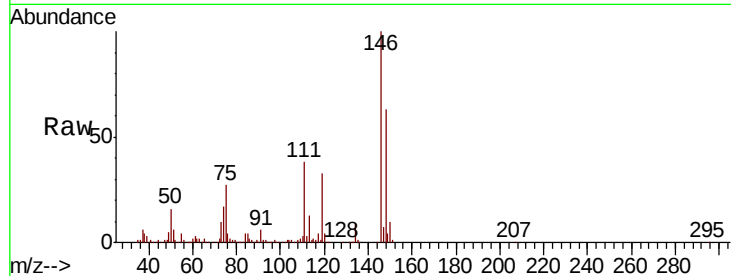
#87
 1,3-Dichlorobenzene
 Concen: 61.142 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	63.1	32.4	97.2

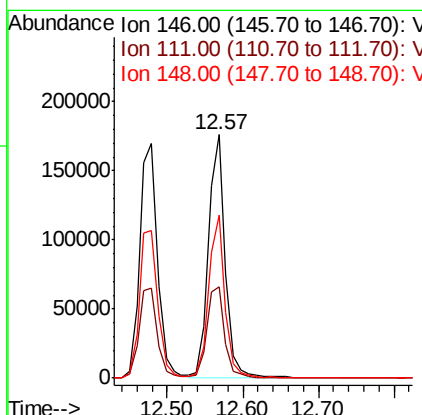
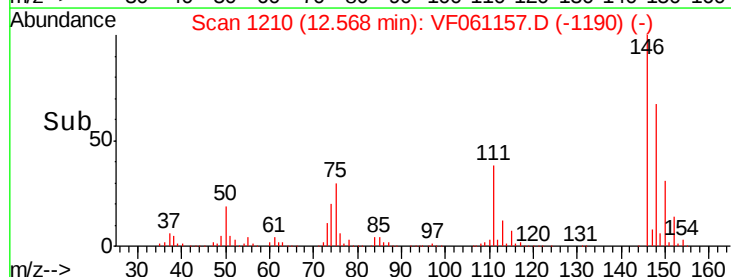
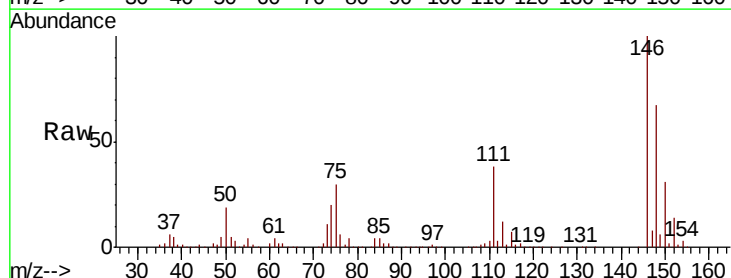
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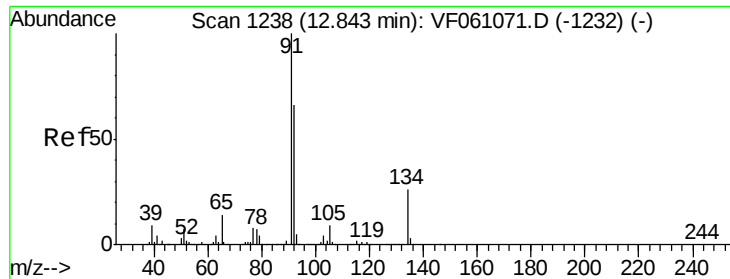
apatel
 12/27/2018 12:57:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.090 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.4
148	66.9	32.4	97.0





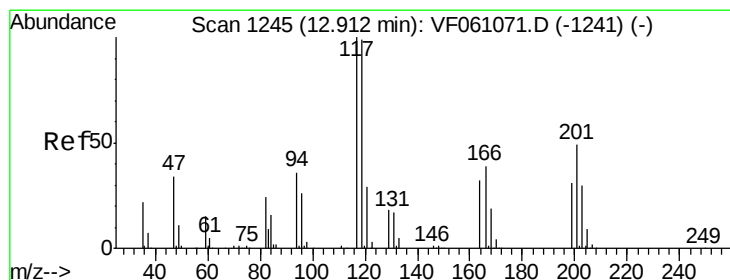
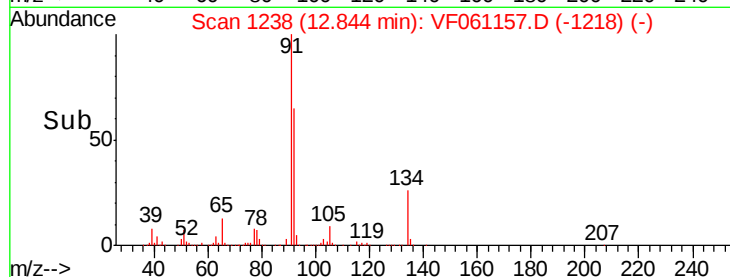
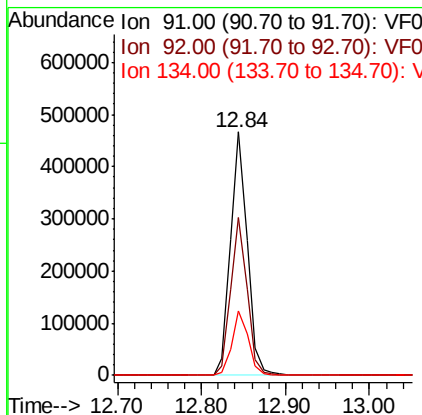
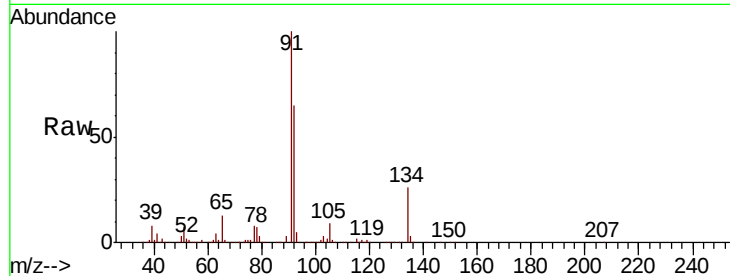
#89
n-Butylbenzene
Concen: 53.312 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.0	32.8	98.4
134	26.5	13.2	39.5

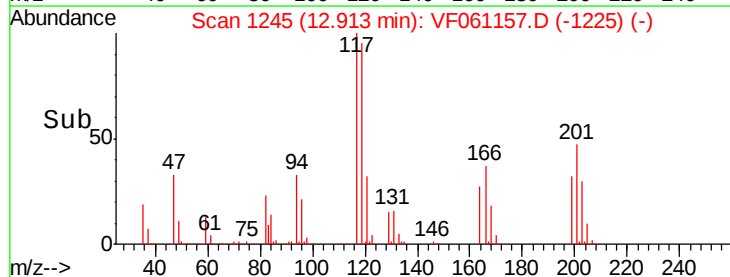
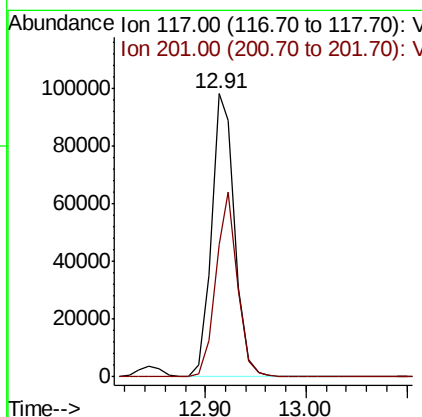
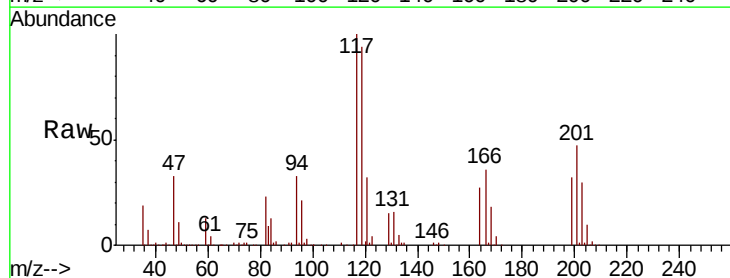
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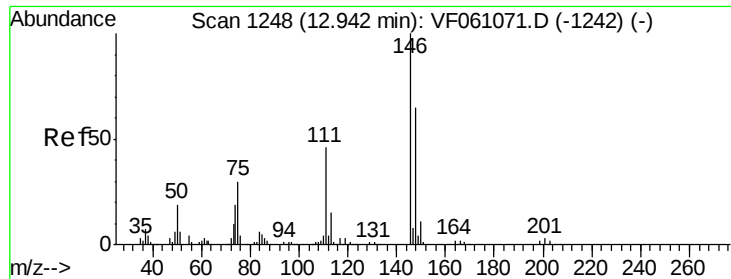
apatel
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#90
Hexachloroethane
Concen: 52.376 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	46.9	24.9	74.8





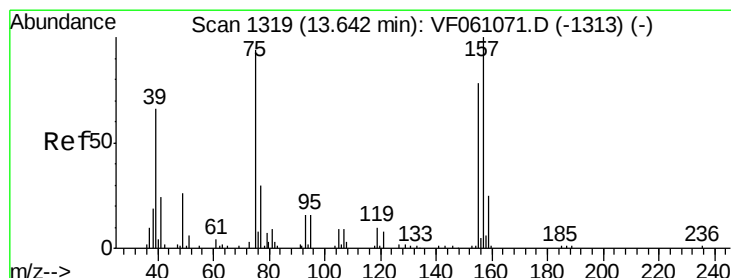
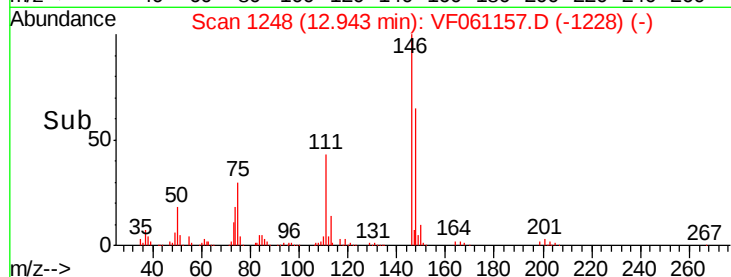
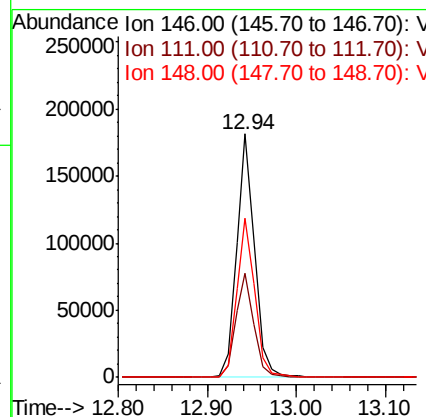
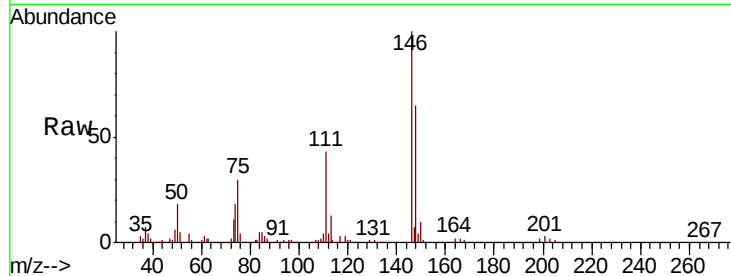
#91
 1,2-Dichlorobenzene
 Concen: 50.567 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	23.2	69.5
148	65.4	32.4	97.0

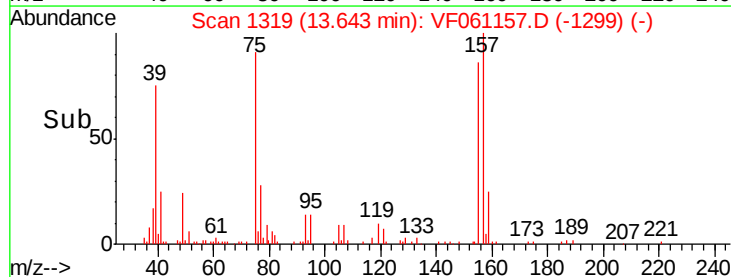
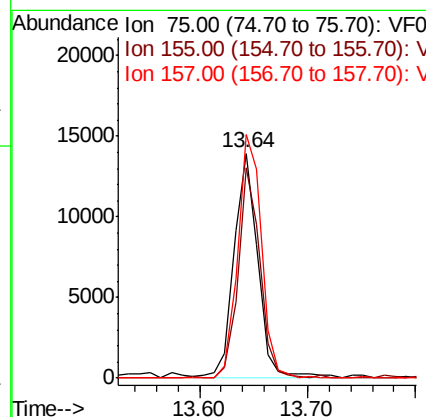
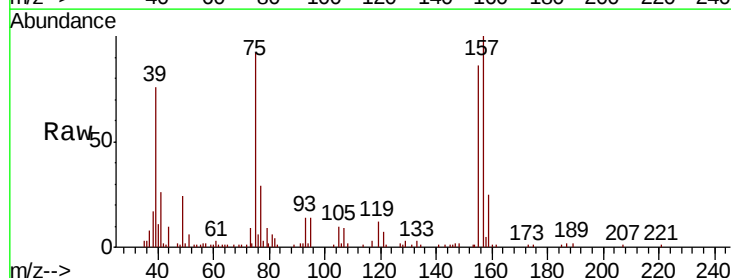
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.202 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	41.5	124.5
157	108.4	53.2	159.6





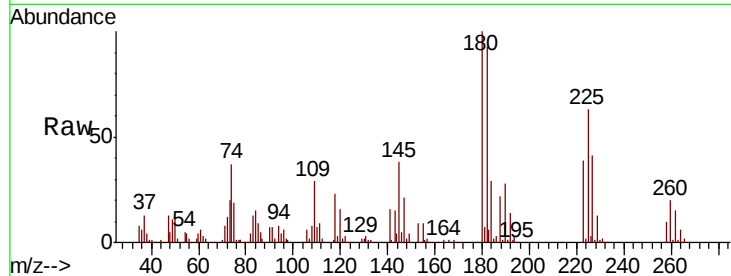
#93
 1,2,4-Trichlorobenzene
 Concen: 50.468 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	183042		
182	93.4	46.9	140.6	
145	38.3	20.5	61.6	

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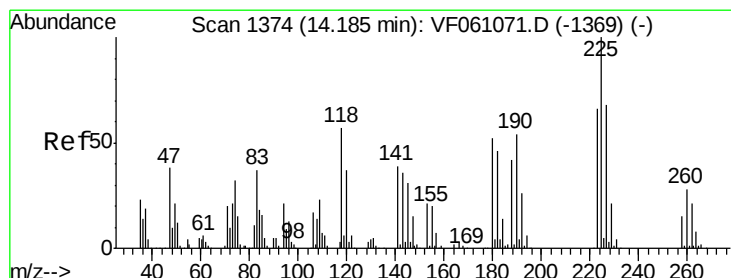
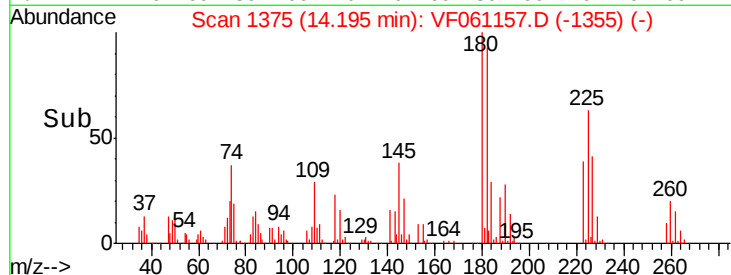
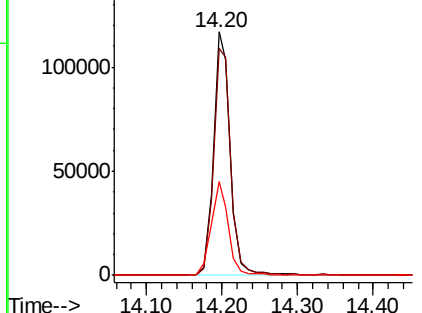


Abundance

Ion 180.00 (179.70 to 180.70): V

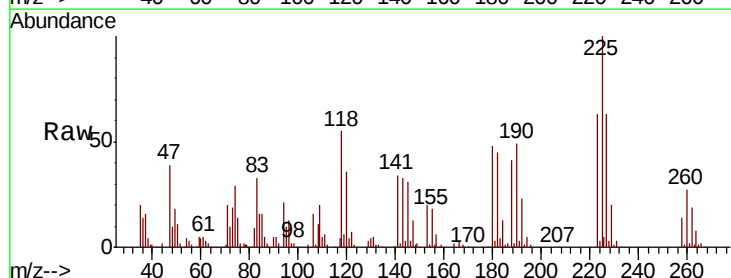
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 52.915 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061157.D
 Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122233		
223	62.9	32.8	98.3	
227	63.1	34.0	101.8	

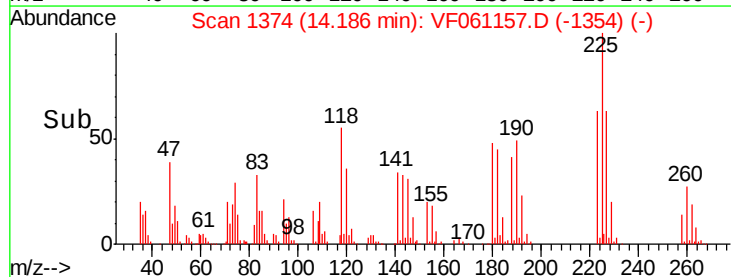
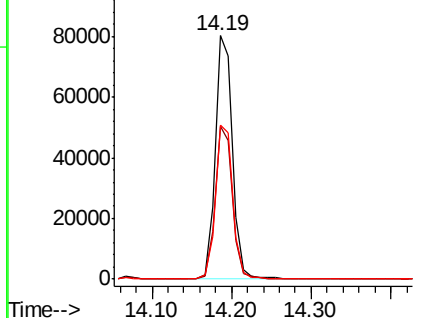


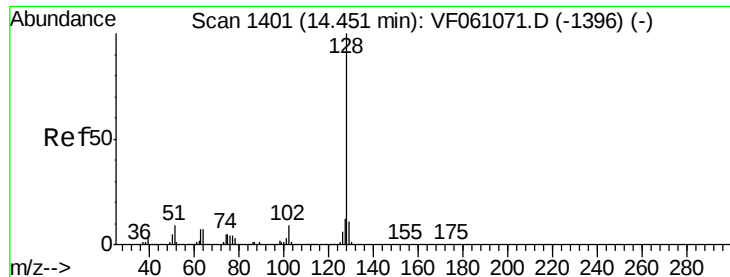
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





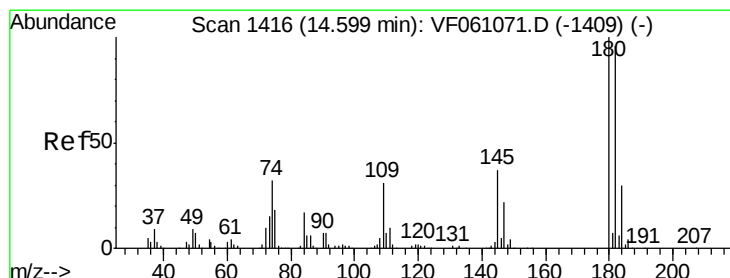
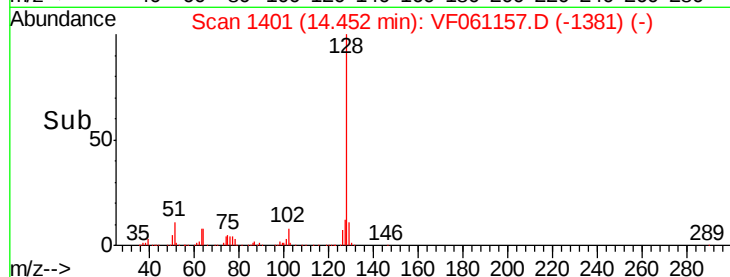
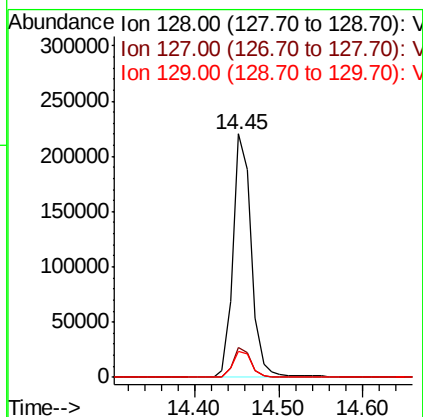
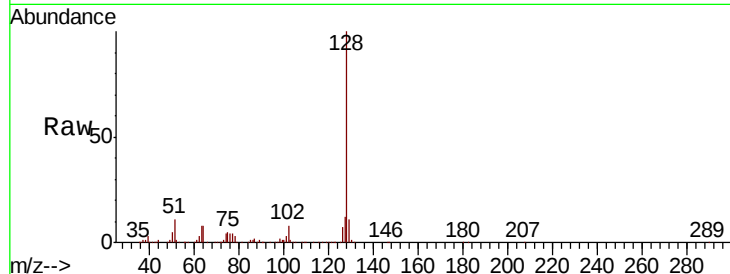
#95
Naphthalene
Concen: 50.663 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.4	14.2
129	10.5	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 51.403 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF061157.D
Acq: 24 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.8
145	35.8	18.6	55.8

