

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059777.D
 Acq On : 2 Aug 2018 3:02
 Operator : VA/AP
 Sample : VF0801SBSD02
 Misc : 5µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Manual Integrations
 APPROVED

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 8/10/2018 3:51:14 PM

Quant Time: Aug 02 07:44:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	165448	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	232584	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	236651	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	148319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	162912	54.79	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.58%	
35) Dibromofluoromethane	4.30	113	131534	54.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	7.71	98	301601	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	11.51	95	164967	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58289	28.96	ug/l	96
3) Chloromethane	1.08	50	28289	27.20	ug/l	89
4) Vinyl Chloride	1.15	62	31041	28.70	ug/l	96
5) Bromomethane	1.33	94	24485	27.16	ug/l	90
6) Chloroethane	1.42	64	18747	28.15	ug/l	90
7) Trichlorofluoromethane	1.54	101	77068m	24.94	ug/l	
8) Diethyl Ether	1.70	74	10799	20.44	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39626	24.49	ug/l	97
10) Methyl Iodide	1.95	142	66373	27.41	ug/l	99
11) Tert butyl alcohol	2.70	59	12523	103.60	ug/l #	95
12) 1,1-Dichloroethene	1.84	96	30456	23.77	ug/l	88
13) Acrolein	2.09	56	3224	64.11	ug/l	90
14) Allyl chloride	2.19	41	55314	27.04	ug/l	85
15) Acrylonitrile	3.07	53	23016	119.83	ug/l #	91
16) Acetone	2.34	43	47002	87.88	ug/l	95
17) Carbon Disulfide	1.88	76	79331	27.82	ug/l #	91
18) Methyl Acetate	2.45	43	26724	30.23	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	88817	22.73	ug/l	100
20) Methylene Chloride	2.27	84	33953	25.66	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	31835	27.22	ug/l	97
22) Diisopropyl ether	2.93	45	101456	23.45	ug/l #	93
23) Vinyl Acetate	3.33	43	230941	103.84	ug/l	99
24) 1,1-Dichloroethane	2.99	63	71535	23.80	ug/l	98
25) 2-Butanone	4.51	43	55411	92.84	ug/l #	76
26) 2,2-Dichloropropane	3.76	77	44467	20.75	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	40300	25.04	ug/l	92
28) Bromochloromethane	3.88	49	26726	23.07	ug/l	97
29) Tetrahydrofuran	4.26	42	24889	108.49	ug/l	95
30) Chloroform	4.04	83	102030	24.05	ug/l	99
31) Cyclohexane	3.86	56	38523	24.33	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	82902	25.20	ug/l	96
36) 1,1-Dichloropropene	4.45	75	58712	22.78	ug/l	98
37) Ethyl Acetate	4.29	43	29799	23.19	ug/l #	57
38) Carbon Tetrachloride	4.17	117	90592	24.50	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	44935	22.66	ug/l	91
40) Benzene	4.81	78	111992	23.84	ug/l	100
41) Methacrylonitrile	4.93	41	13666	21.75	ug/l	93
42) 1,2-Dichloroethane	5.12	62	78803	23.97	ug/l	97
43) Isopropyl Acetate	7.11	43	28679	20.62	ug/l #	90
44) Trichloroethene	5.68	130	40805	23.07	ug/l	88
45) 1,2-Dichloropropane	6.41	63	30855	24.87	ug/l	90
46) Dibromomethane	6.26	93	27950	23.73	ug/l	97
47) Bromodichloromethane	6.55	83	76036	23.71	ug/l #	95
48) Methyl methacrylate	6.88	41	22672	21.67	ug/l	91
49) 1,4-Dioxane	6.88	88	3211	459.11	ug/l	92
51) 4-Methyl-2-Pentanone	8.41	43	123844	117.06	ug/l	100
52) Toluene	7.79	92	78906	23.85	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	62166	22.34	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	61347	22.76	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	29525	23.21	ug/l	92
56) Ethyl methacrylate	8.77	69	27320	20.59	ug/l	97
57) 1,3-Dichloropropane	9.01	76	49483	22.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	19066	124.48	ug/l	100
59) 2-Hexanone	9.64	43	89822	105.95	ug/l	95
60) Dibromochloromethane	8.87	129	50143	22.34	ug/l	97
61) 1,2-Dibromoethane	9.14	107	33095	22.28	ug/l	96
64) Tetrachloroethene	8.31	164	47376	27.68	ug/l	95
65) Chlorobenzene	9.94	112	112044	23.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	50974	23.06	ug/l	94
67) Ethyl Benzene	10.04	91	195634	23.88	ug/l	97
68) m/p-Xylenes	10.27	106	131465	47.21	ug/l	89
69) o-Xylene	10.83	106	71558	23.71	ug/l	99
70) Styrene	10.90	104	105358	23.04	ug/l	97
71) Bromoform	10.89	173	31903	22.15	ug/l	91
73) Isopropylbenzene	11.24	105	232857	23.93	ug/l	100
74) N-amyl acetate	11.47	43	48598	19.79	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	41644	22.73	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	36845	23.65	ug/l	99
77) Bromobenzene	11.60	156	59357	23.36	ug/l	94
78) n-propylbenzene	11.69	91	280385	25.67	ug/l	97
79) 2-Chlorotoluene	11.82	91	171914	25.21	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	210274	24.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	11577m	17.95	ug/l	
82) 4-Chlorotoluene	11.99	91	181593	25.08	ug/l	98
83) tert-Butylbenzene	12.22	119	210757	24.12	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	212742	24.88	ug/l	98
85) sec-Butylbenzene	12.39	105	276739	25.16	ug/l	96
86) p-Isopropyltoluene	12.54	119	235434	24.29	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	112390	24.05	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	110695	24.24	ug/l	96
89) n-Butylbenzene	12.92	91	214889	23.03	ug/l	96
90) Hexachloroethane	13.00	117	59874	24.39	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	113047	25.73	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10394	23.21	ug/l	80

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ClientSampleId :
VF0801SBSD02

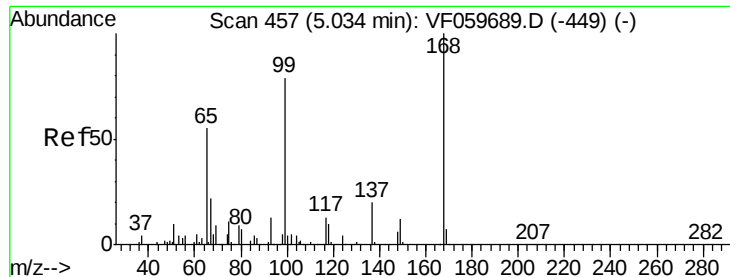
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	82496	22.95	ug/l	89
94) Hexachlorobutadiene	14.26	225	57886	23.79	ug/l	99
95) Naphthalene	14.53	128	151679	23.72	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	82448	23.33	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion:168 Resp: 165448

Ion Ratio Lower Upper

168 100

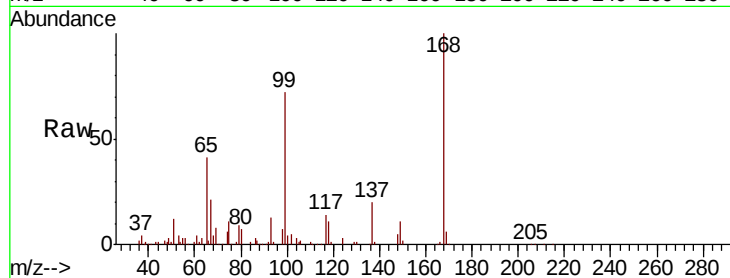
99 71.8 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

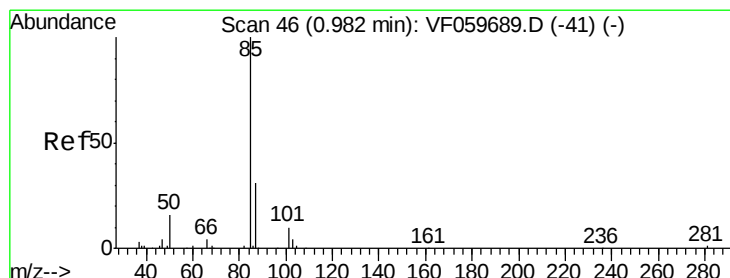
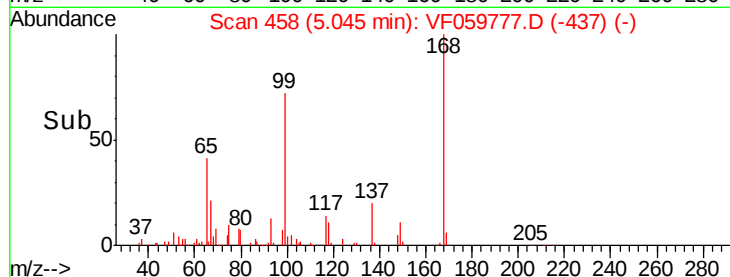
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 28.96 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059777.D

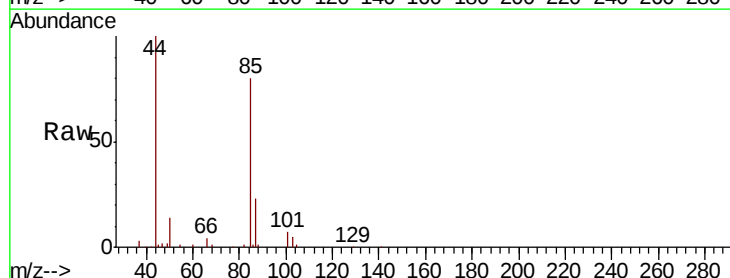
Acq: 2 Aug 2018 3:02

Tgt Ion: 85 Resp: 58289

Ion Ratio Lower Upper

85 100

87 28.4 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

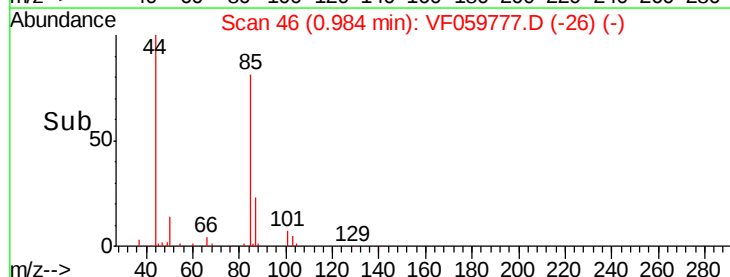
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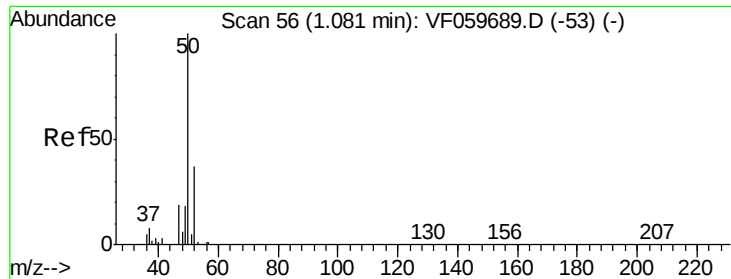
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 27.20 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 50 Resp: 28289

Ion Ratio Lower Upper

50 100

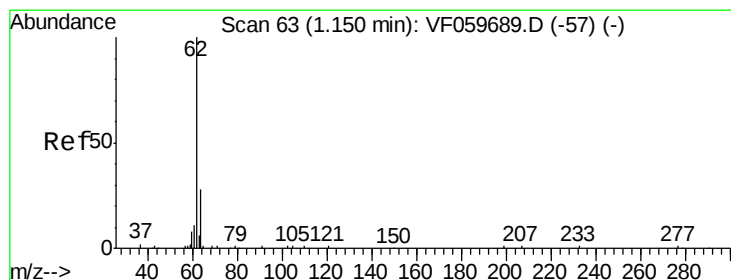
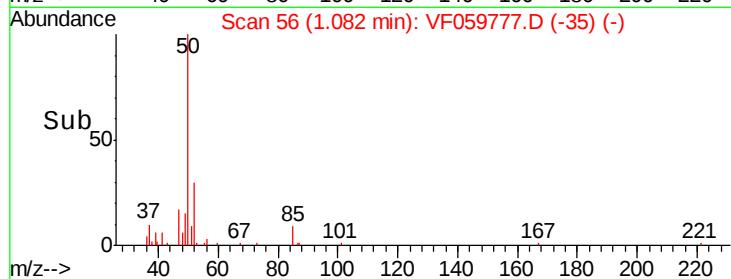
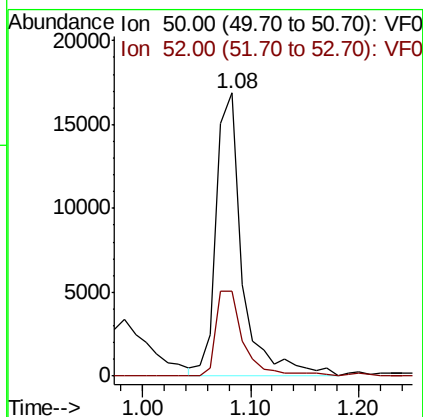
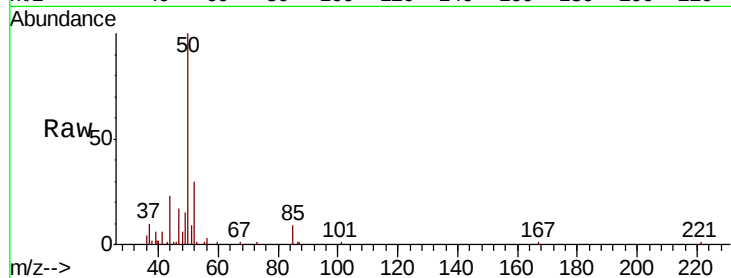
52 30.2 29.1 43.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 28.70 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059777.D

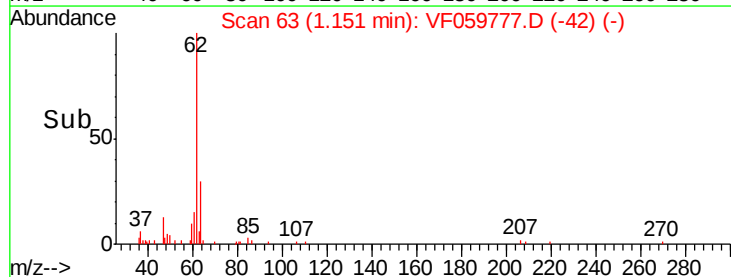
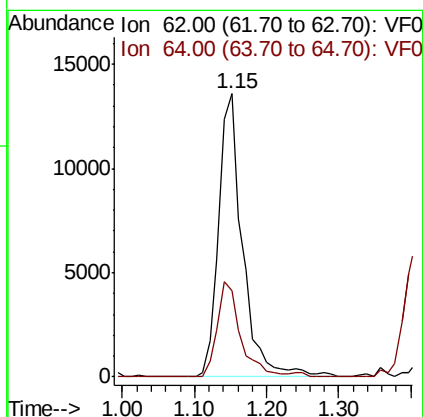
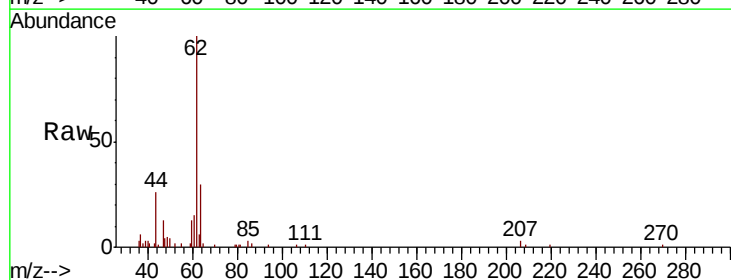
Acq: 2 Aug 2018 3:02

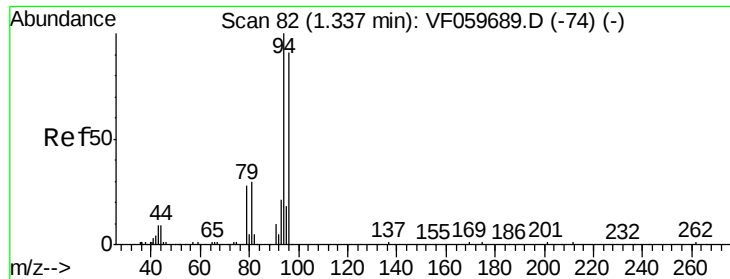
Tgt Ion: 62 Resp: 31041

Ion Ratio Lower Upper

62 100

64 30.4 22.6 33.8





#5

Bromomethane

Concen: 27.16 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 94 Resp: 24485

Ion Ratio Lower Upper

94 100

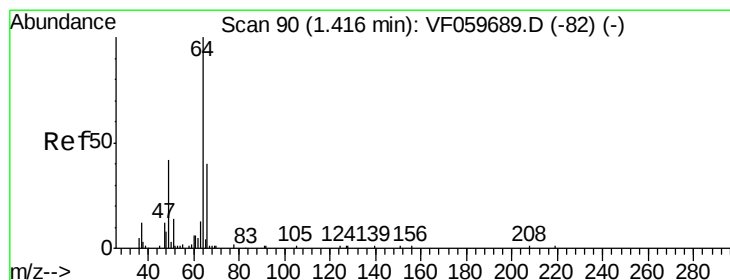
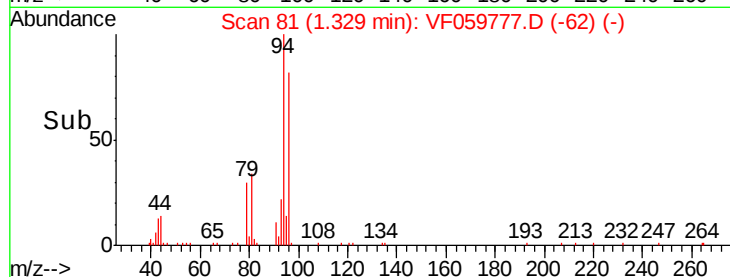
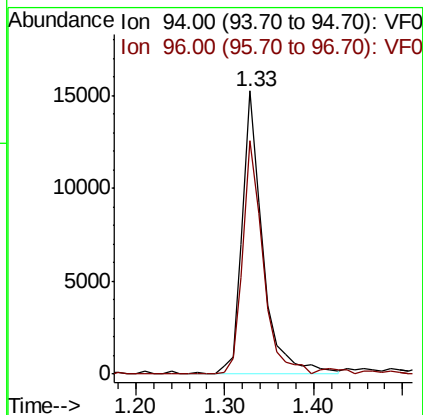
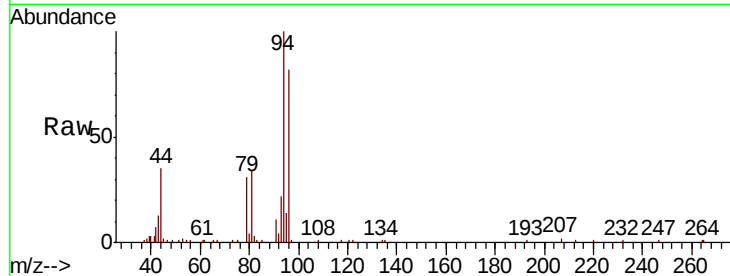
96 82.5 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 28.15 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059777.D

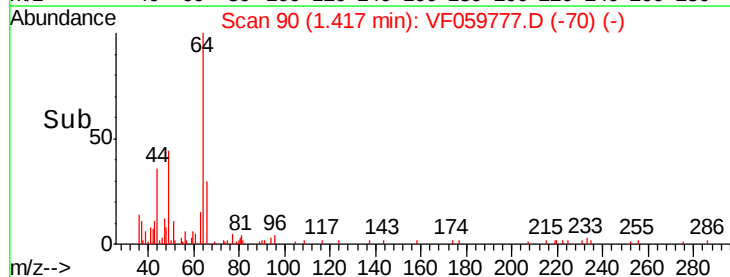
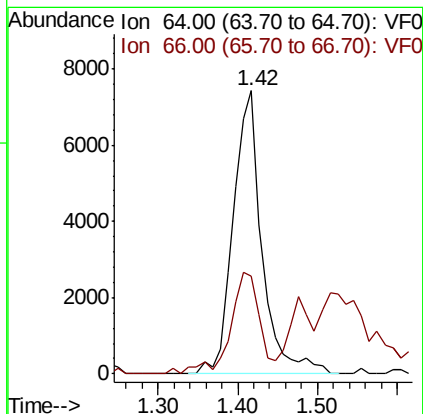
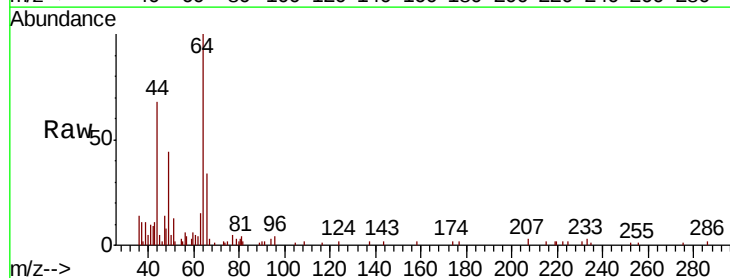
Acq: 2 Aug 2018 3:02

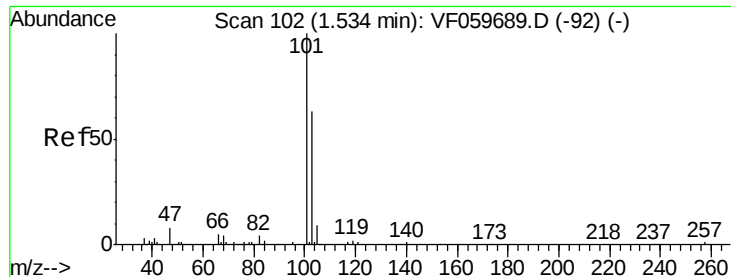
Tgt Ion: 64 Resp: 18747

Ion Ratio Lower Upper

64 100

66 34.3 32.6 49.0





#7

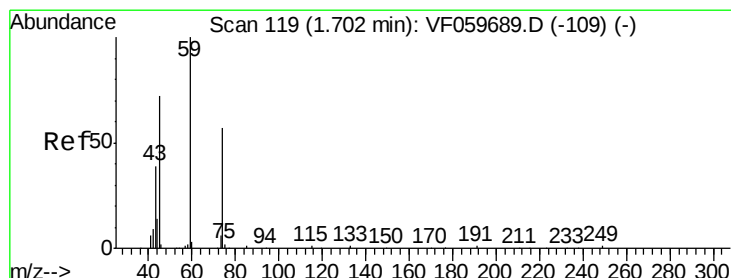
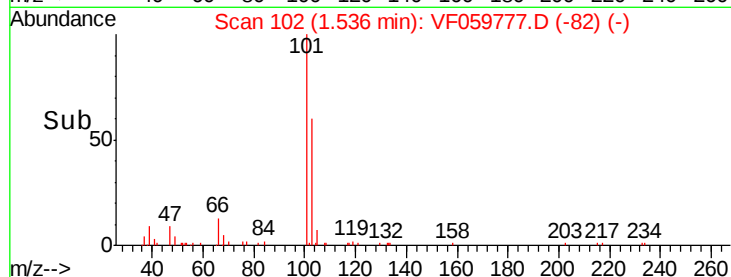
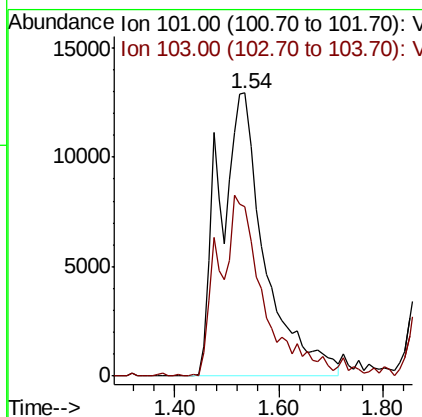
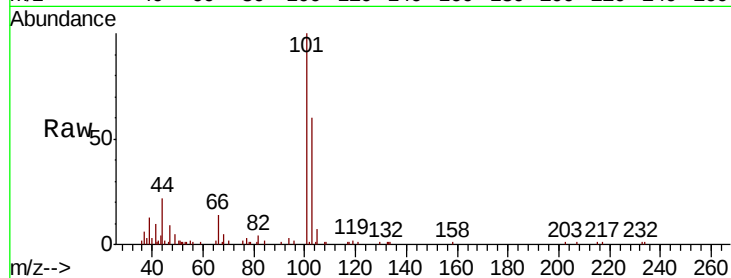
Trichlorofluoromethane
 Concen: 24.94 ug/l m
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
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 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	50.8	76.2

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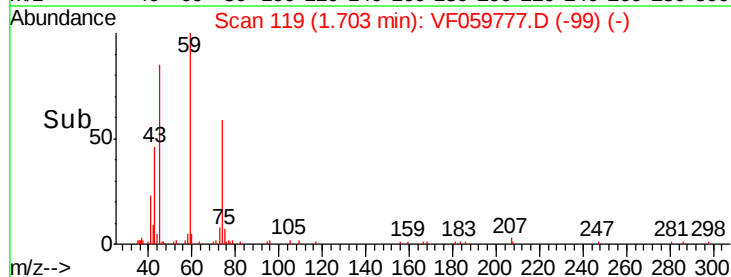
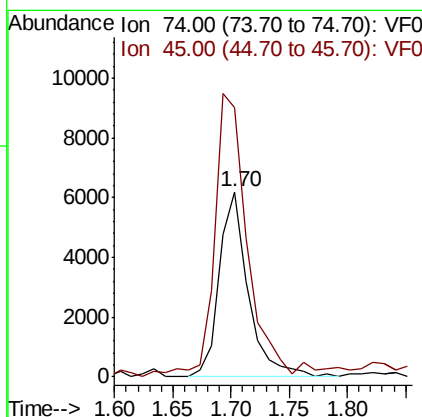
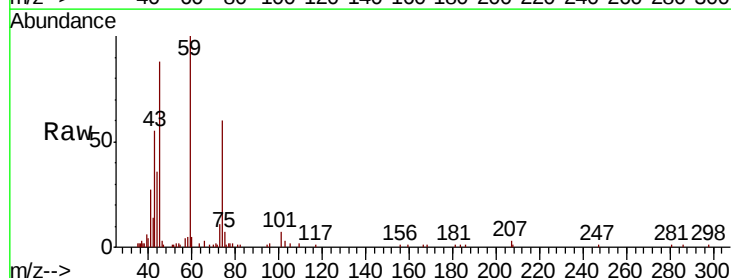
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 8/10/2018 3:51:14 PM

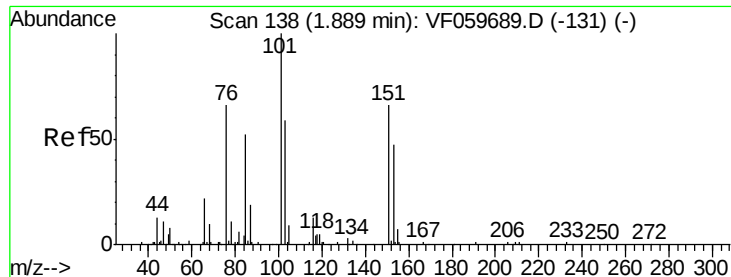


#8

Diethyl Ether
 Concen: 20.44 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.9	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.49 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

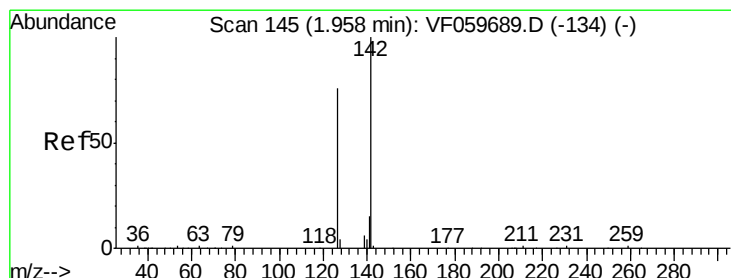
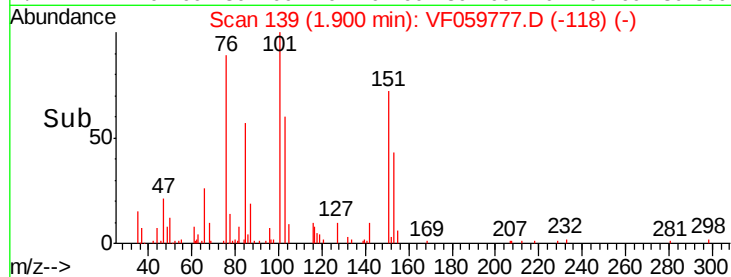
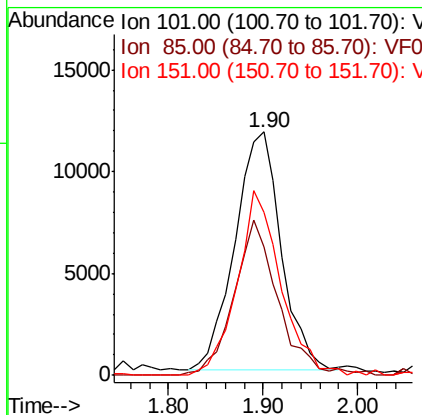
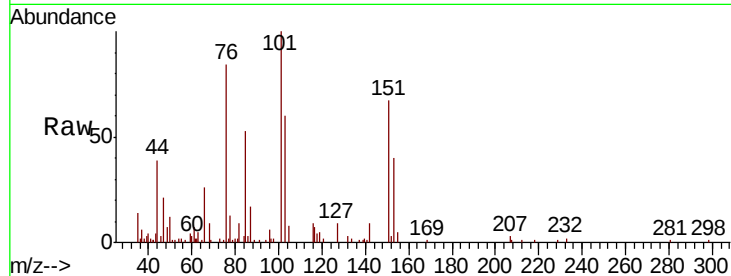
ClientSampleId :

VF0801SBSD02

Tot Ion:	101	Resp:	39626
Ion Ratio	Lower	Upper	
101	100		
85	52.9	40.7	61.1
151	67.1	51.4	77.2

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#10

Methyl Iodide

Concen: 27.41 ug/l

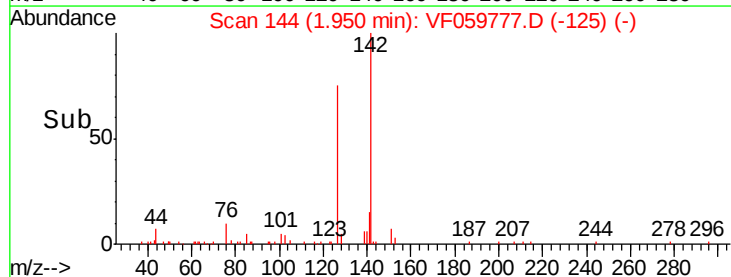
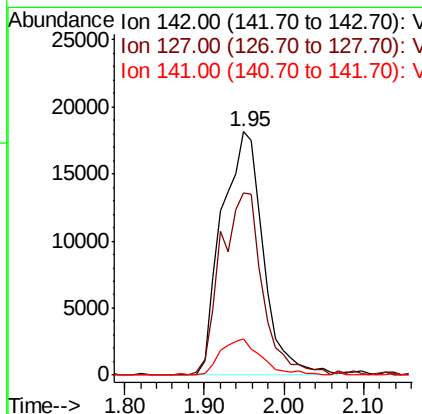
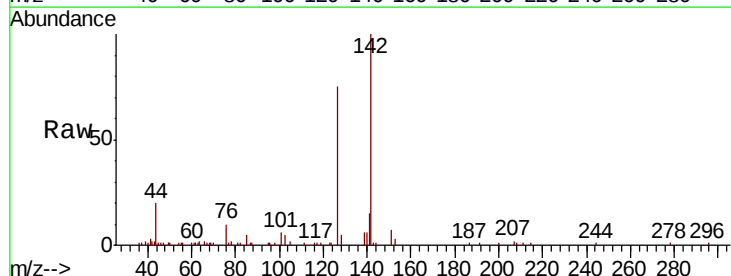
RT: 1.95 min Scan# 144

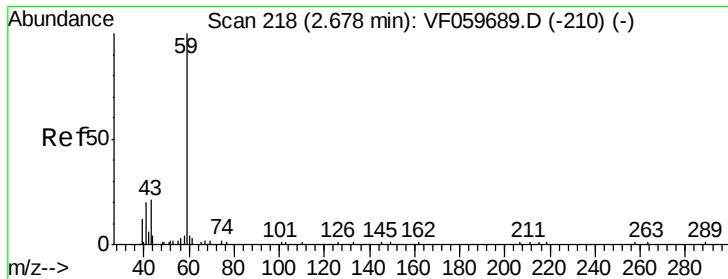
Delta R.T. -0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	142	Resp:	66373
Ion Ratio	Lower	Upper	
142	100		
127	74.7	60.6	91.0
141	14.8	12.0	18.0





#11

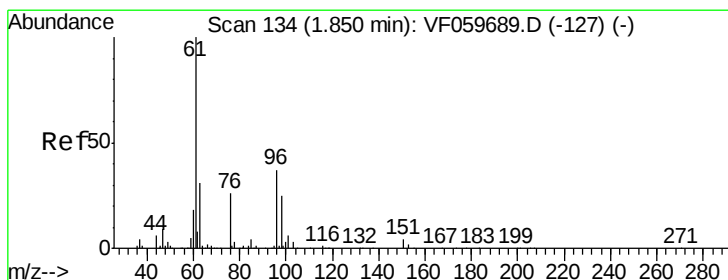
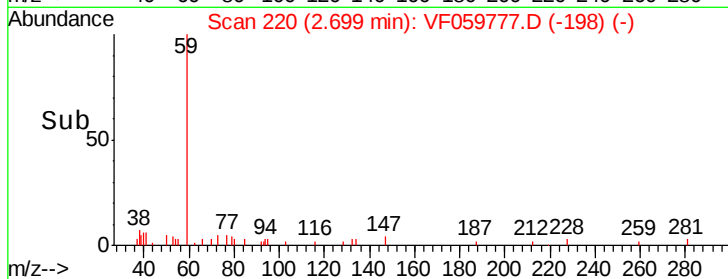
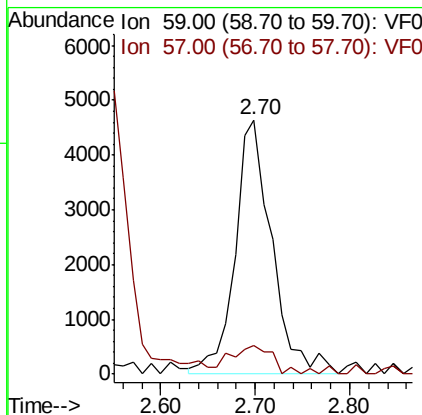
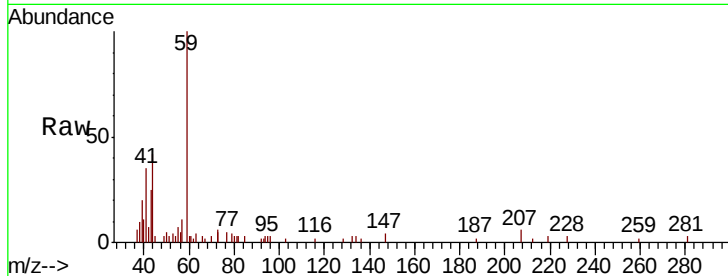
Tert butyl alcohol
Concen: 103.60 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	7.6	11.4#

Manual Integrations
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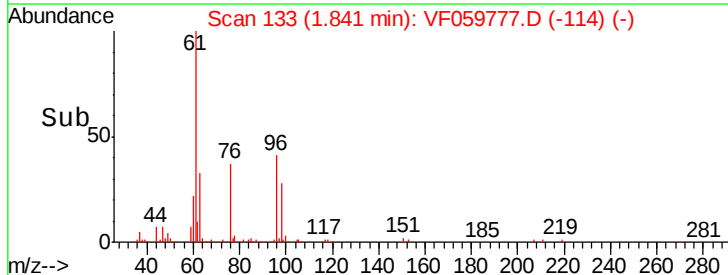
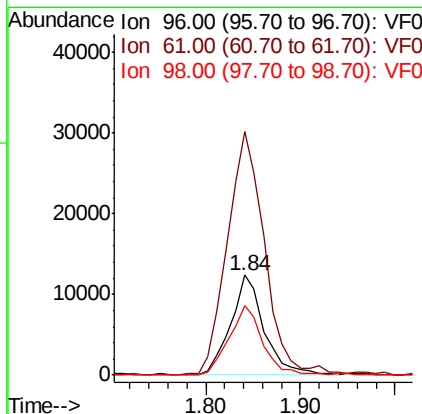
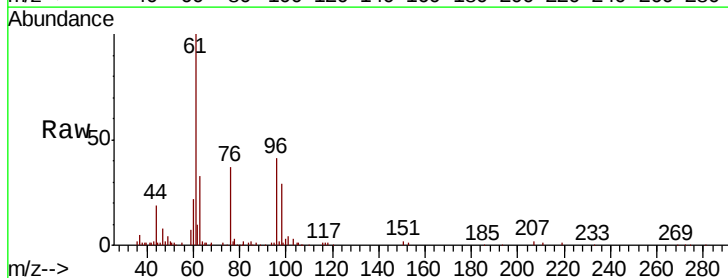
apatel
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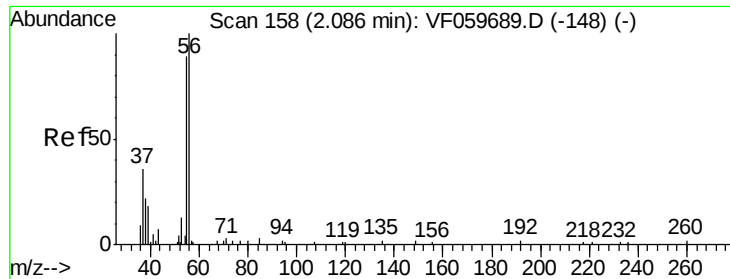


#12

1,1-Dichloroethene
Concen: 23.77 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	243.5	215.1	322.7
98	70.0	54.3	81.5





#13

Acrolein

Concen: 64.11 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 56 Resp: 3224

Ion Ratio Lower Upper

56 100

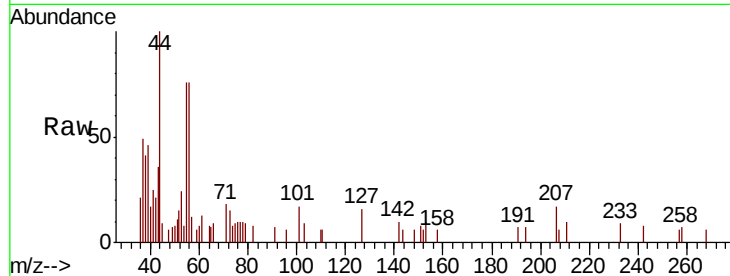
55 101.1 73.2 109.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1500

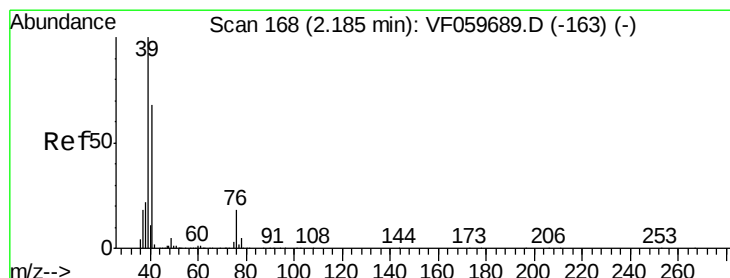
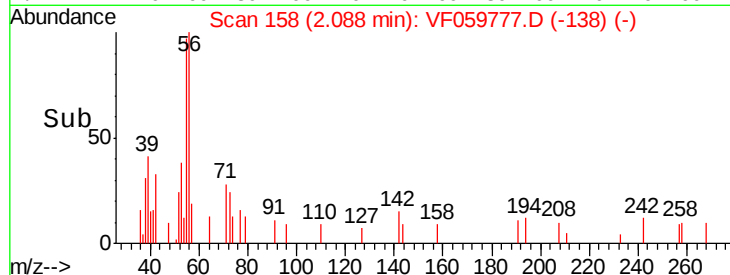
1000

500

0

2.00 2.05 2.10 2.15

Time-->



#14

Allyl chloride

Concen: 27.04 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

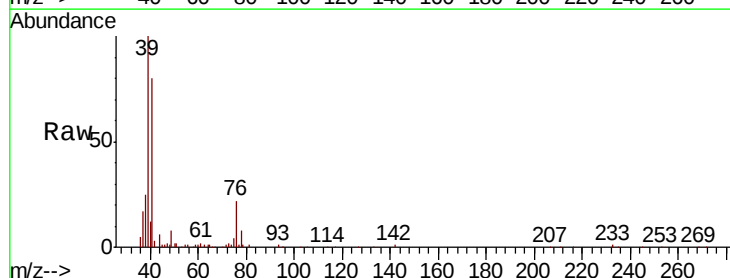
Tgt Ion: 41 Resp: 55314

Ion Ratio Lower Upper

41 100

39 125.1 118.1 177.1

76 27.5 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

40000

30000

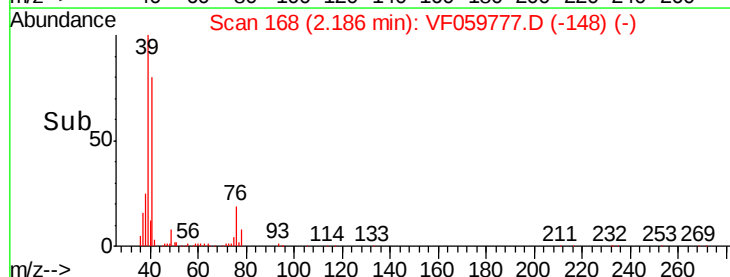
20000

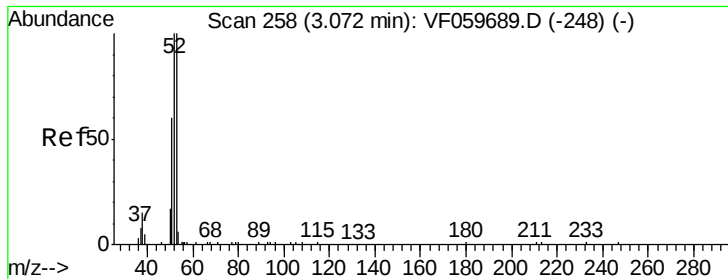
10000

0

2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 119.83 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

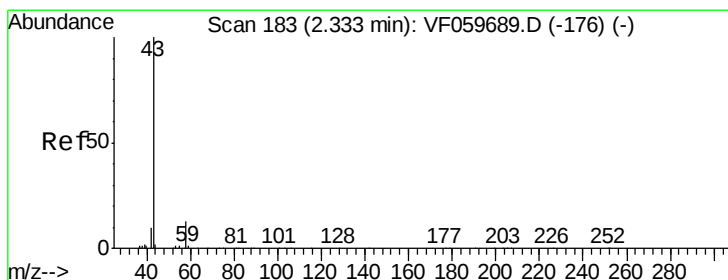
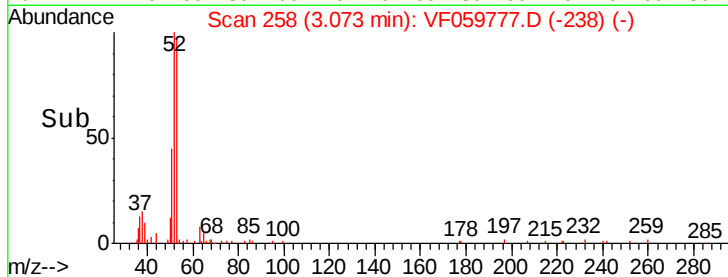
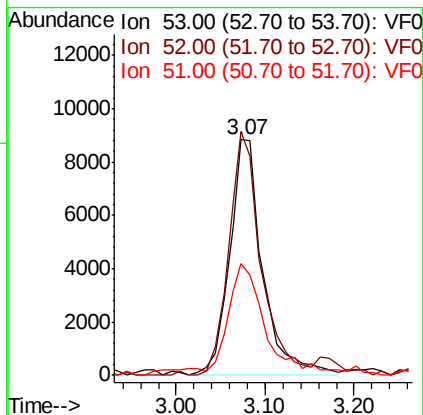
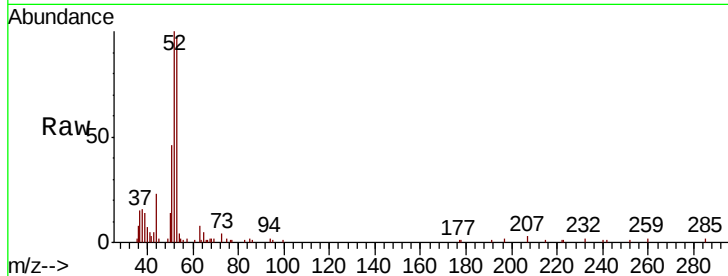
ClientSampleId :

VF0801SBSD02

Tot Ion:	53	Resp:	23016
Ion	Ratio	Lower	Upper
53	100		
52	103.4	80.3	120.5
51	47.7	49.4	74.0#

Manual Integrations
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#16

Acetone

Concen: 87.88 ug/l

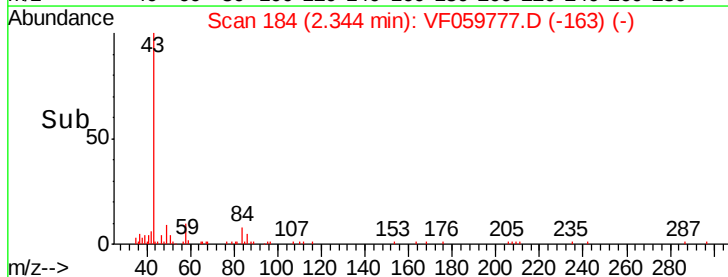
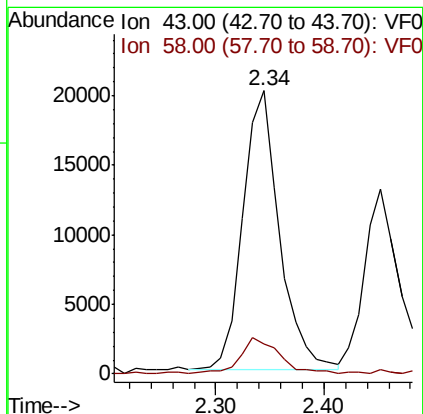
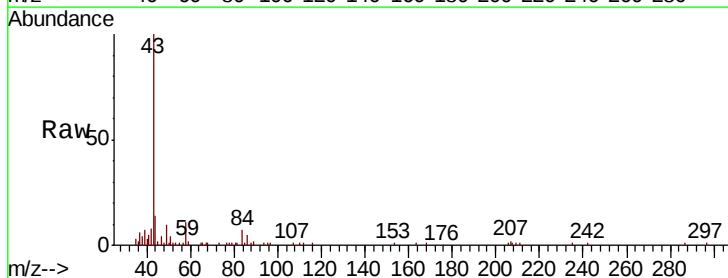
RT: 2.34 min Scan# 184

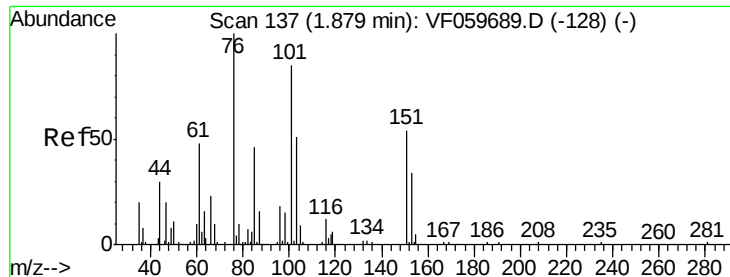
Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	43	Resp:	47002
Ion	Ratio	Lower	Upper
43	100		
58	10.7	10.1	15.1





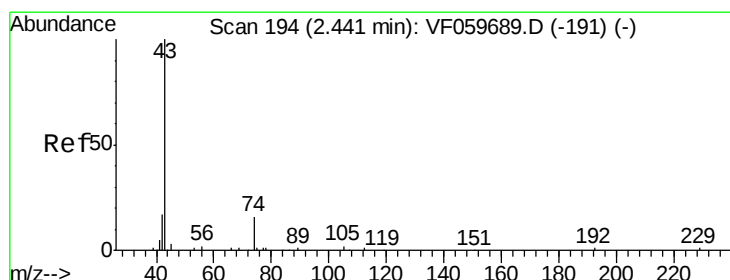
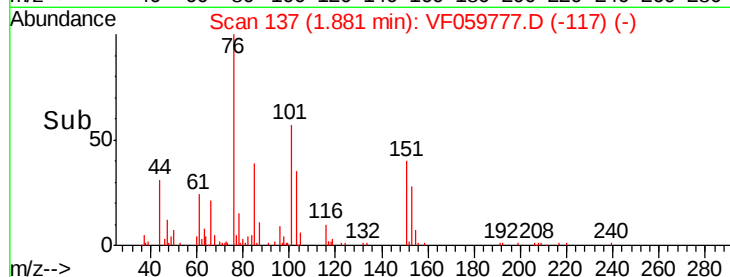
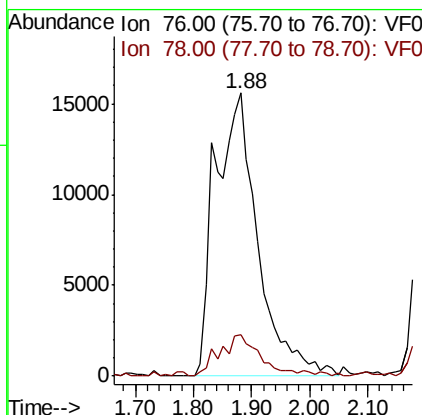
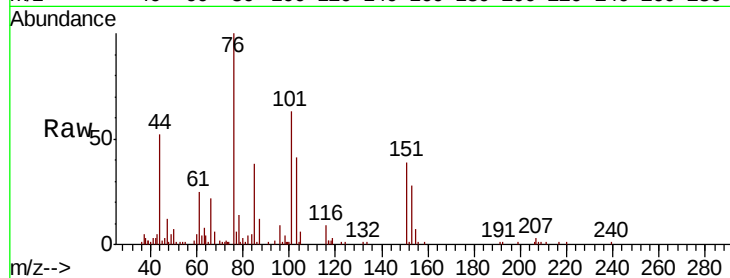
#17
Carbon Disulfide
Concen: 27.82 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	14.5	8.9	13.3#

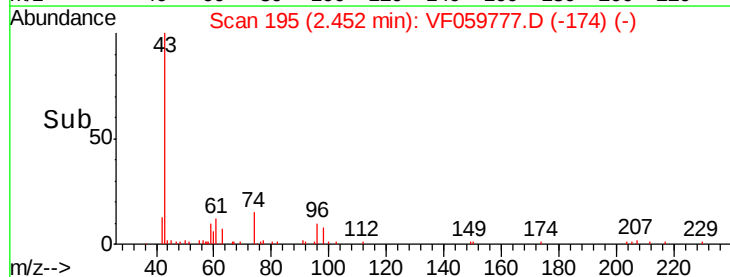
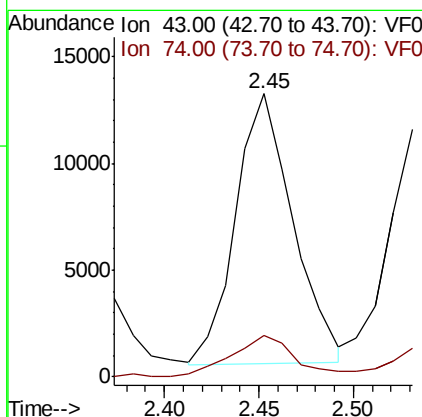
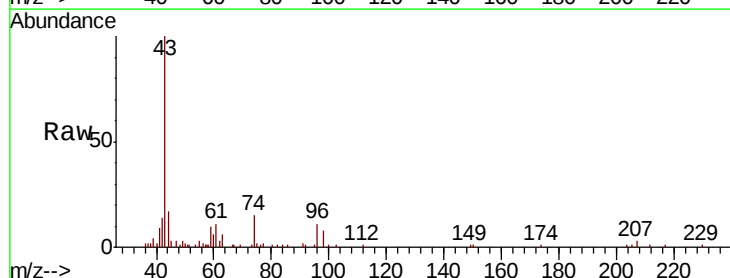
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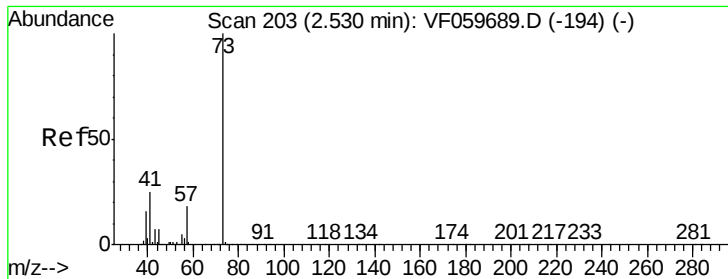
apatel
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#18
Methyl Acetate
Concen: 30.23 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	11.8	17.6





#19

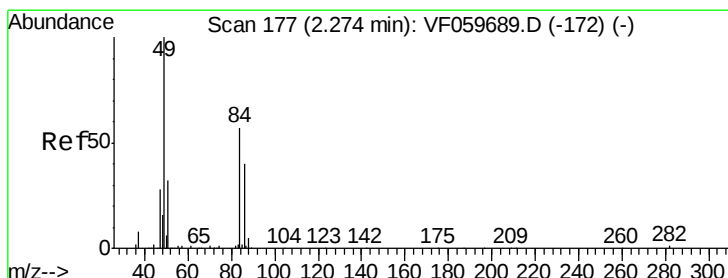
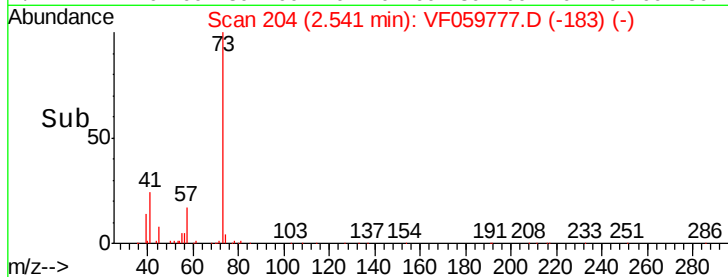
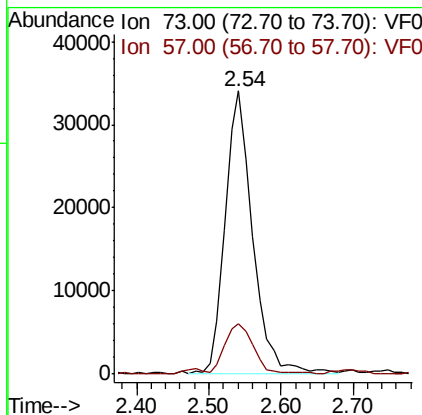
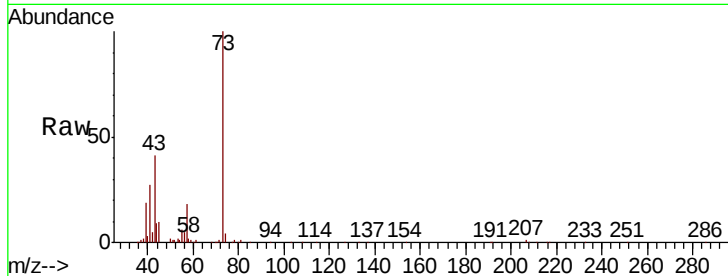
Methyl tert-butyl Ether
Concen: 22.73 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	14.2	21.2

Manual Integrations
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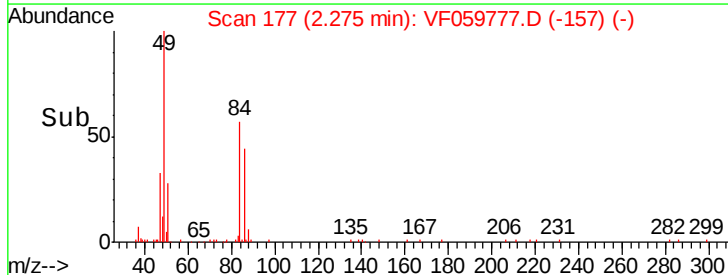
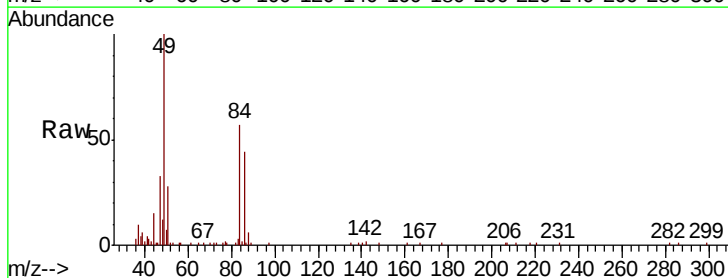
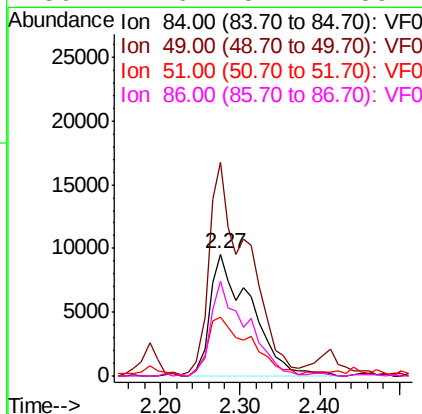
apatel
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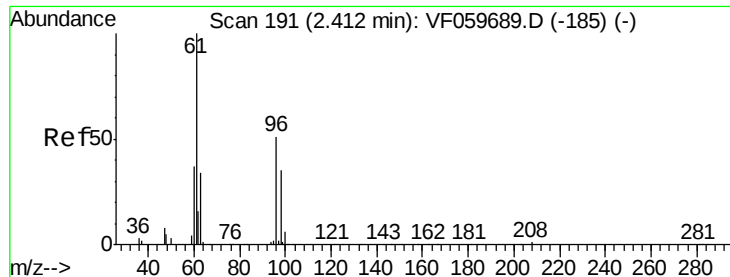


#20

Methylene Chloride
Concen: 25.66 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	175.3	142.2	213.4
51	48.4	46.2	69.2
86	77.6	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 27.22 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

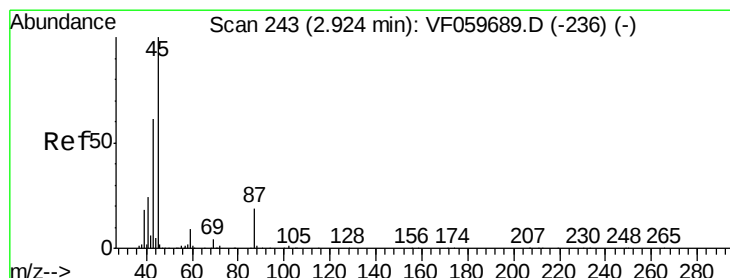
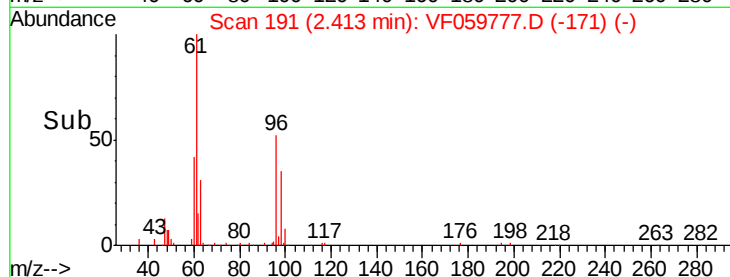
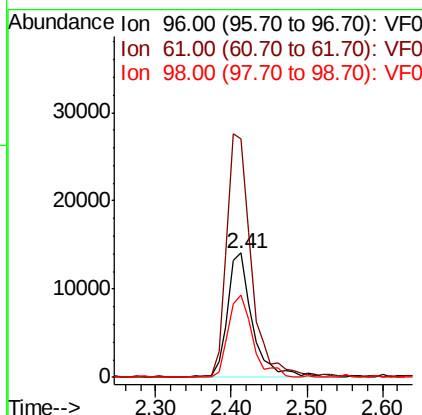
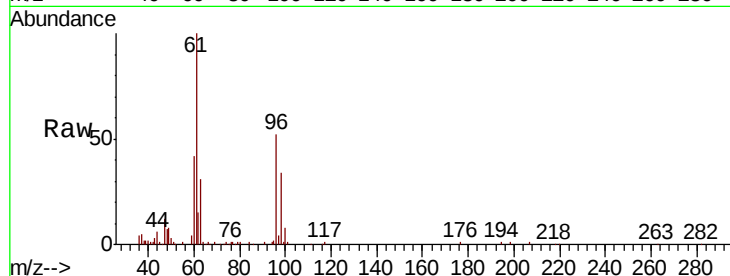
ClientSampleId :

VF0801SBS02

Tot Ion:	96	Resp:	31835
Ion Ratio	Lower	Upper	
96	100		
61	192.0	157.4	236.0
98	66.0	55.0	82.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.45 ug/l

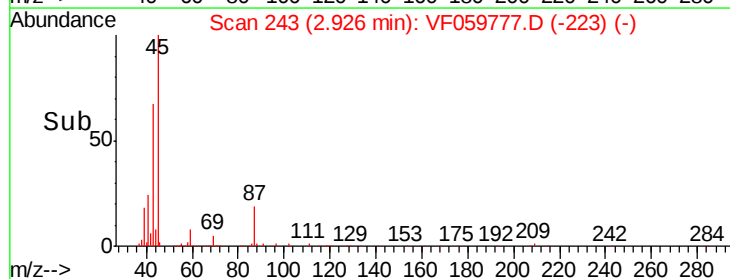
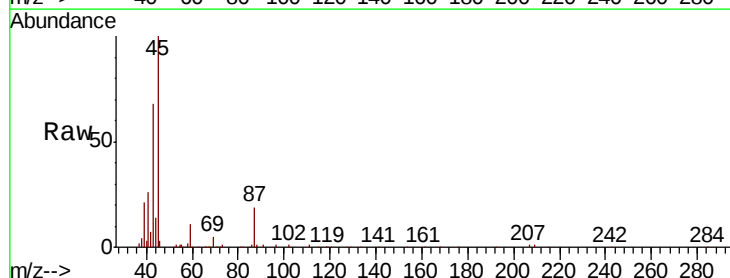
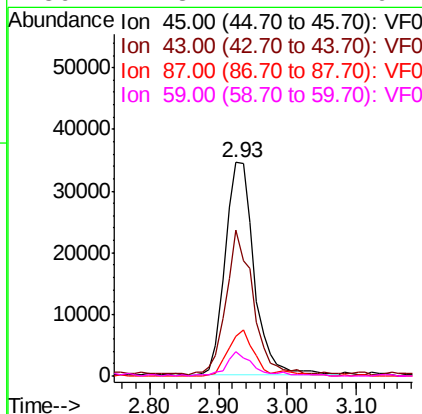
RT: 2.93 min Scan# 243

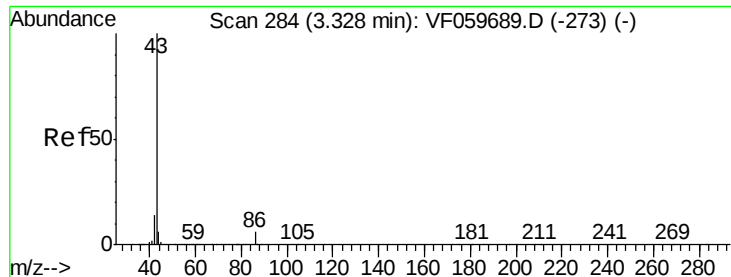
Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	45	Resp:	101456
Ion Ratio	Lower	Upper	
45	100		
43	68.4	49.3	73.9
87	18.7	15.3	22.9
59	11.3	7.1	10.7#





#23

Vinyl Acetate

Concen: 103.84 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleID :

VF0801SBSD02

Tot Ion: 43 Resp: 230941

Ion Ratio Lower Upper

43 100

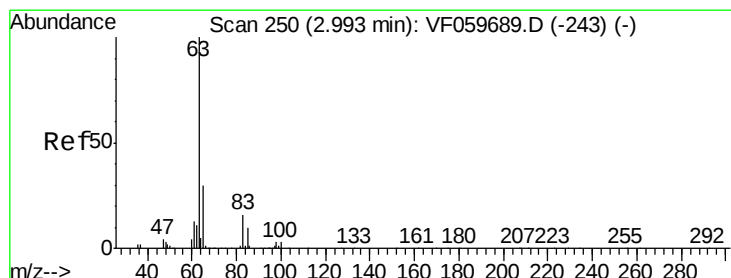
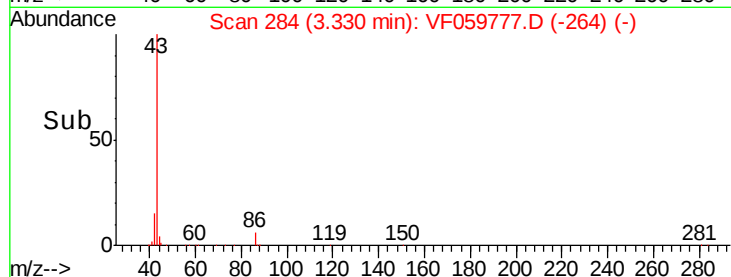
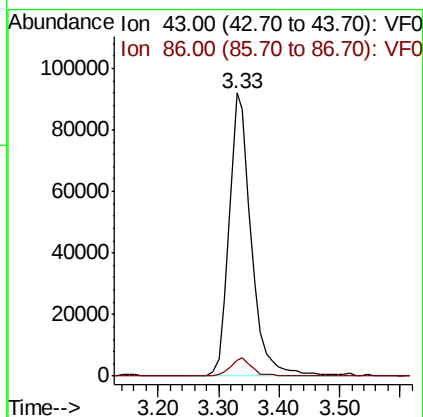
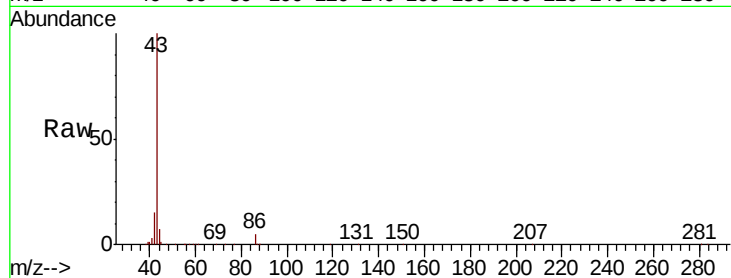
86 5.5 4.6 6.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.80 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

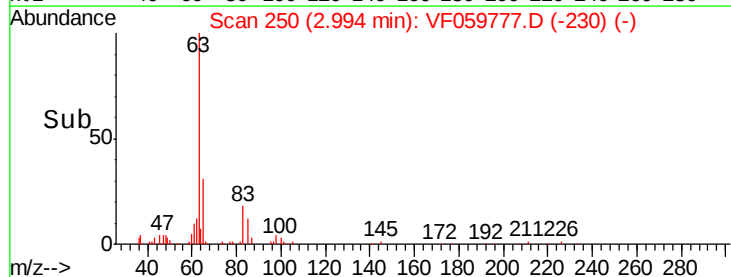
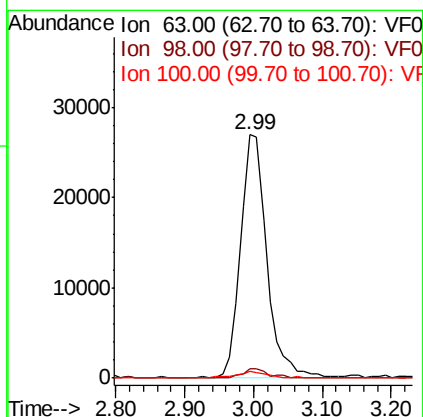
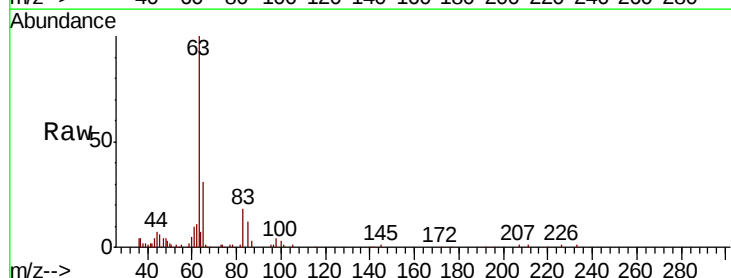
Tgt Ion: 63 Resp: 71535

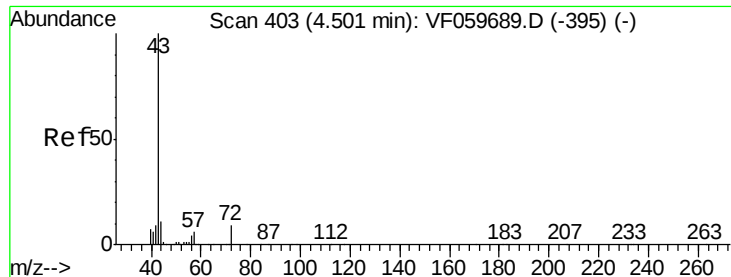
Ion Ratio Lower Upper

63 100

98 4.1 1.4 4.2

100 3.0 1.6 4.7





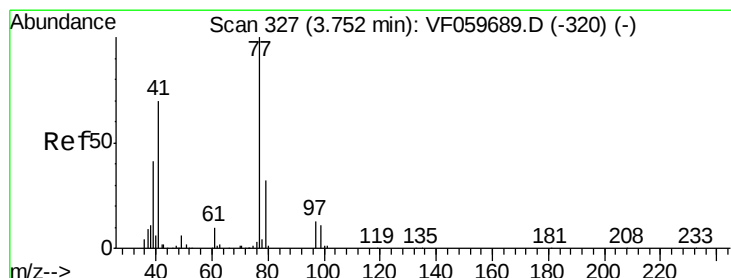
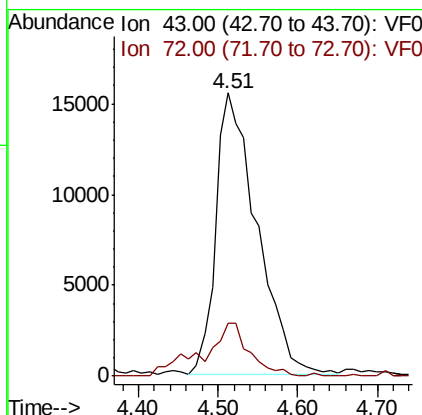
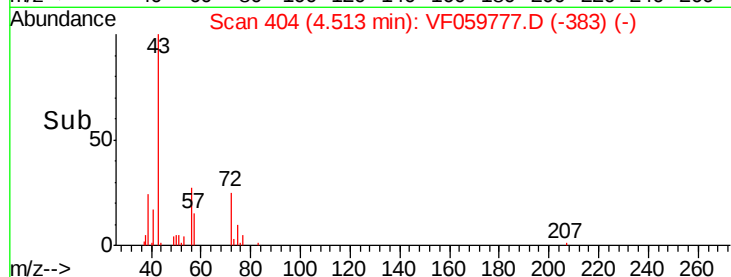
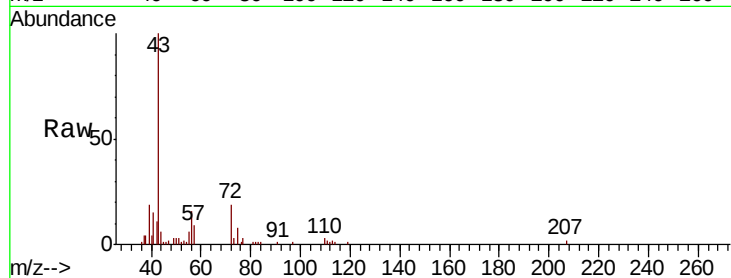
#25
2-Butanone
Concen: 92.84 ug/l
RT: 4.51 min Scan# 404
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion: 43 Resp: 55411
Ion Ratio Lower Upper
43 100
72 18.5 7.7 11.5#

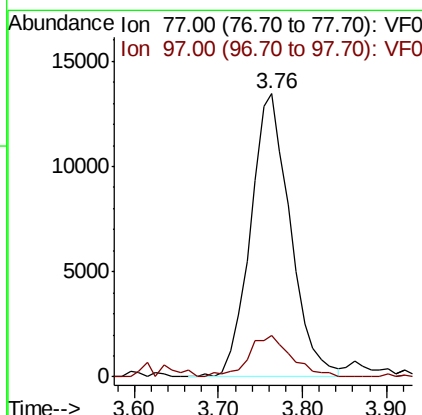
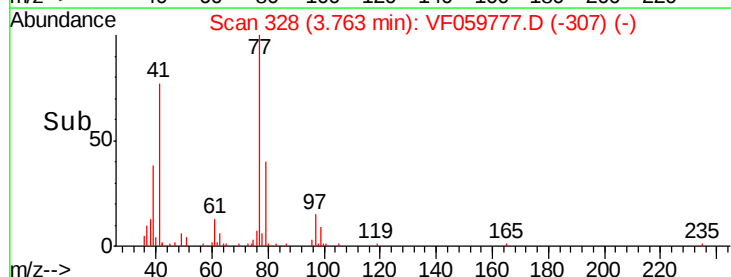
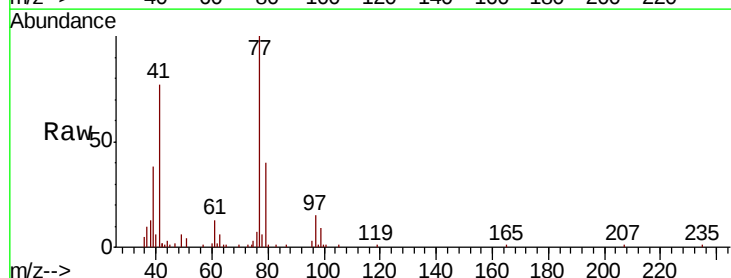
Manual Integrations
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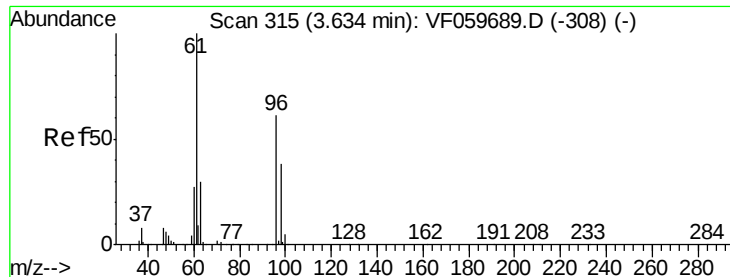
apatel
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#26
2,2-Dichloropropane
Concen: 20.75 ug/l
RT: 3.76 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion: 77 Resp: 44467
Ion Ratio Lower Upper
77 100
97 14.8 6.8 20.4





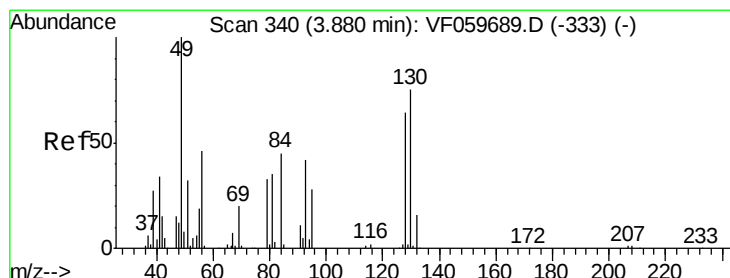
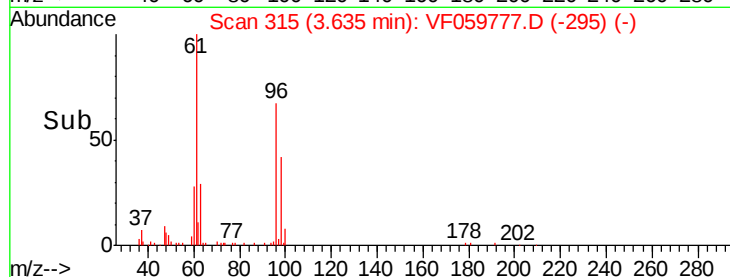
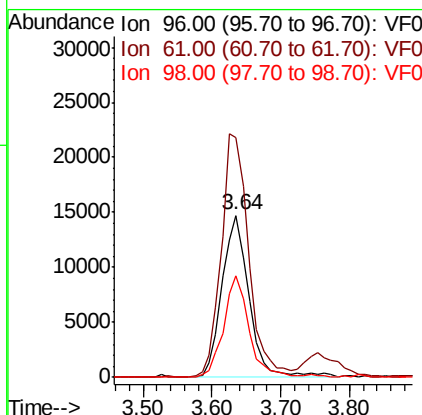
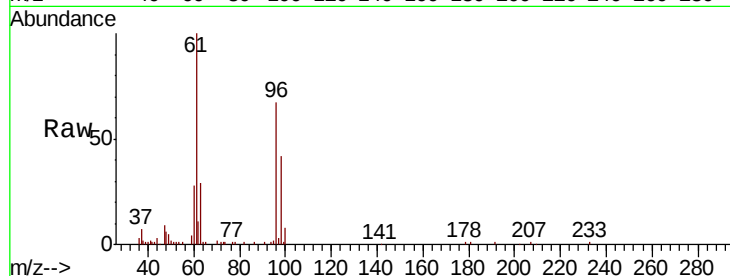
#27
 cis-1,2-Dichloroethene
 Concen: 25.04 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40300		
61	148.3	0.0	326.8	
98	62.5	0.0	125.2	

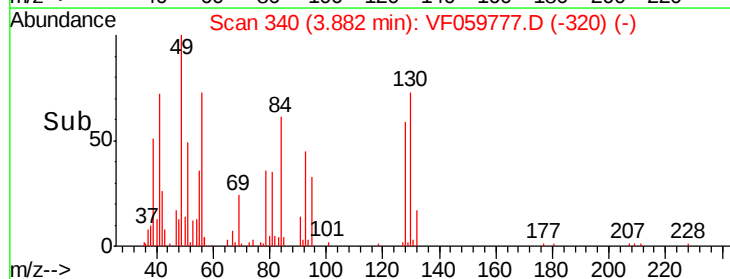
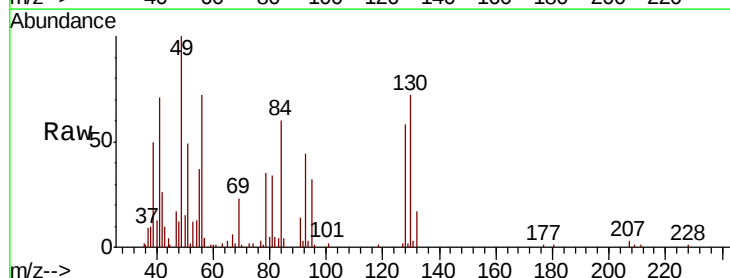
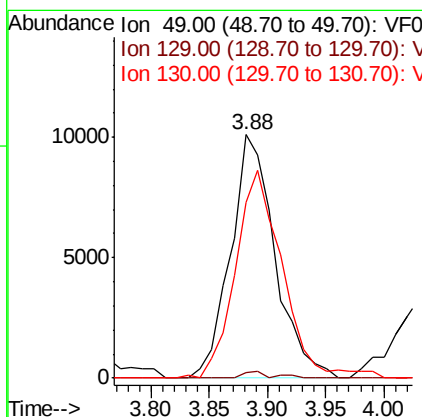
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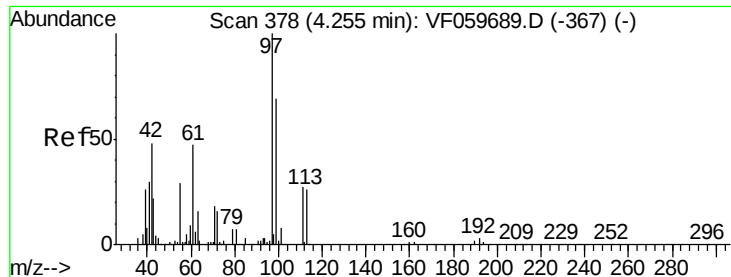
apatel
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#28
 Bromochloromethane
 Concen: 23.07 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26726		
129	2.3	0.0	4.8	
130	72.1	59.6	89.4	





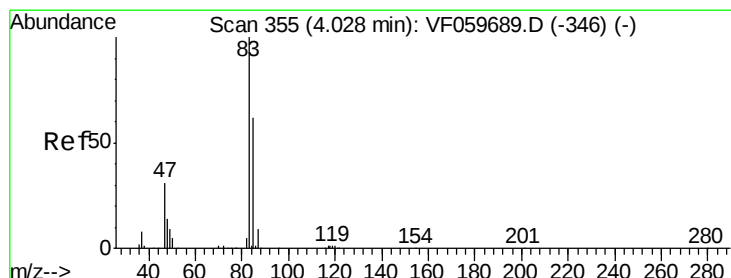
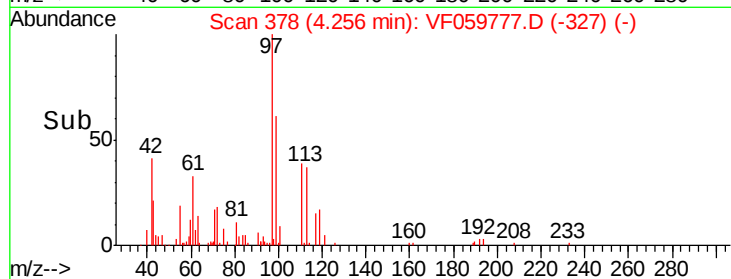
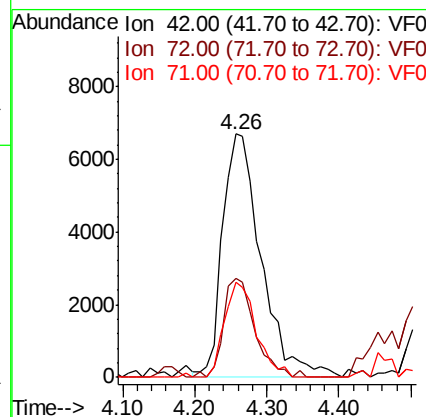
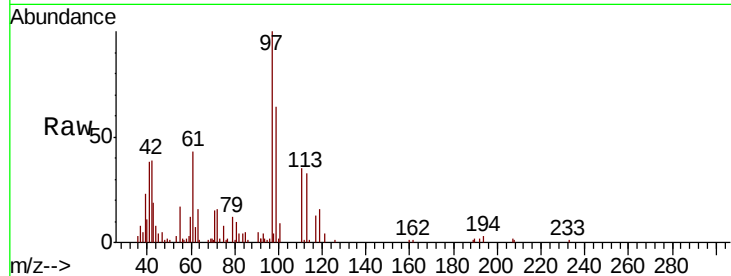
#29
Tetrahydrofuran
Concen: 108.49 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.9	27.0	40.6
71	32.0	29.7	44.5

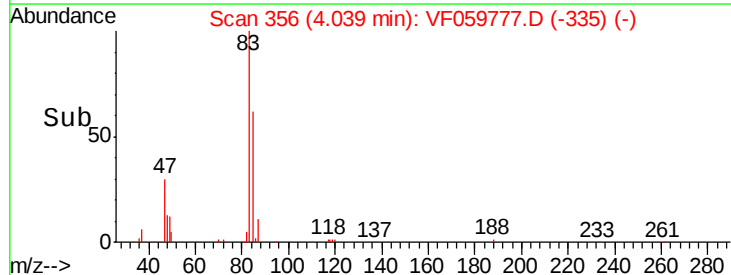
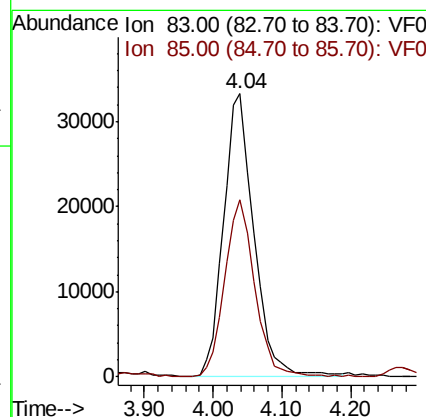
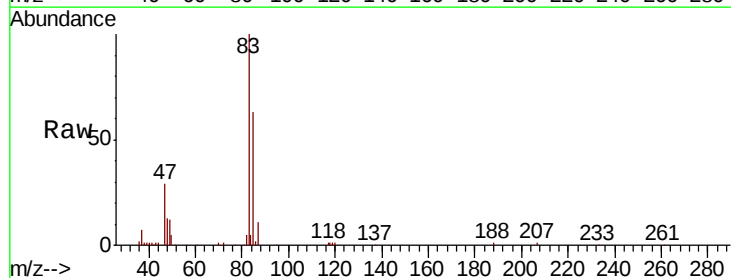
Manual Integrations
APPROVED

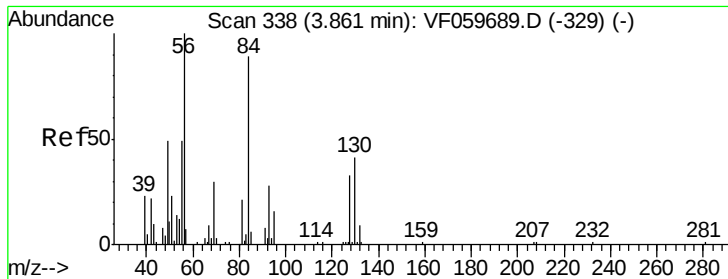
apatel
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#30
Chloroform
Concen: 24.05 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.4	74.0





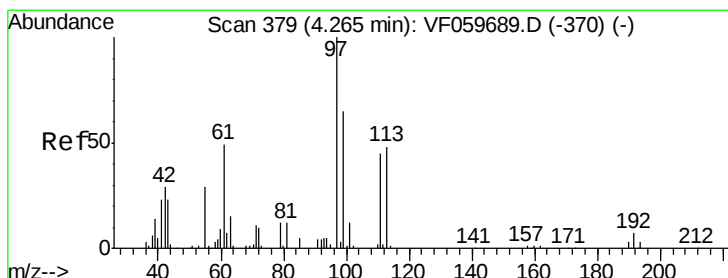
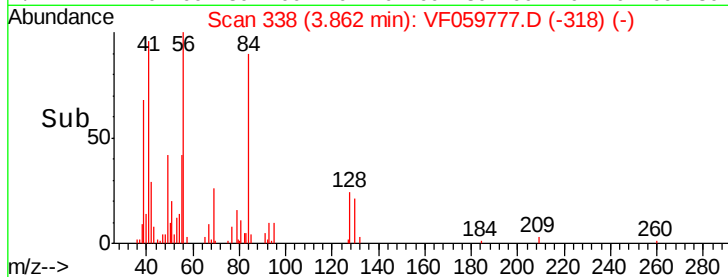
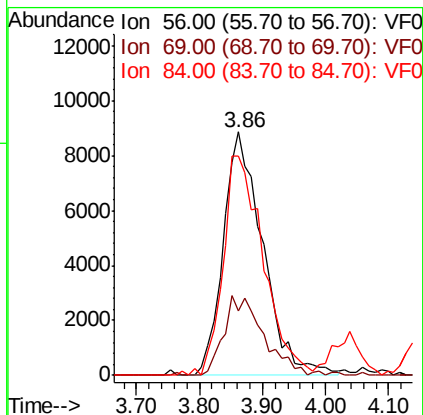
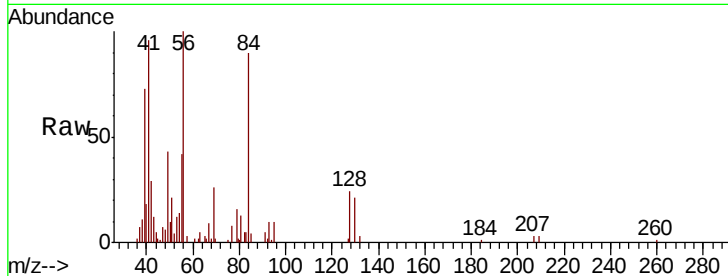
#31
Cyclohexane
Concen: 24.33 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.2	23.7	35.5
84	89.8	71.1	106.7

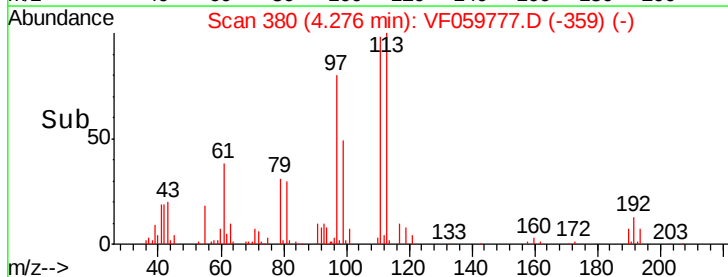
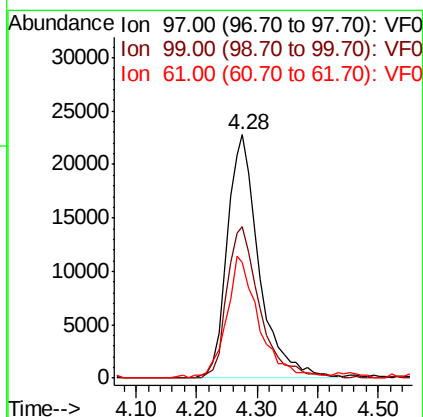
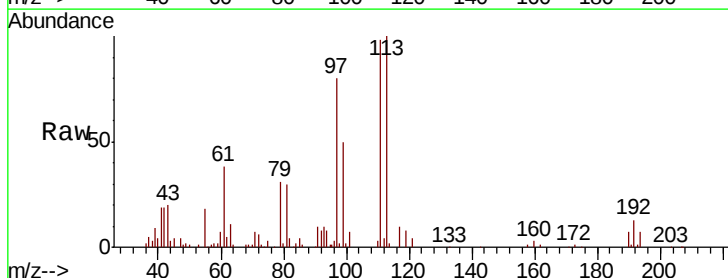
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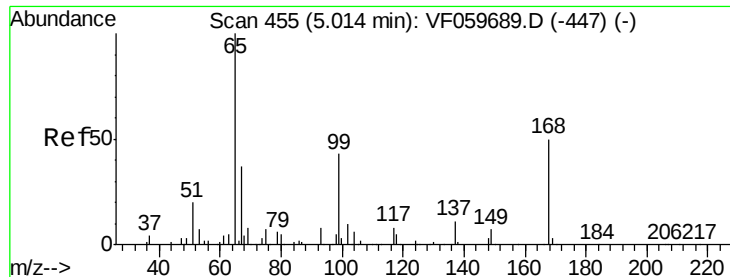
apatel
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#32
1,1,1-Trichloroethane
Concen: 25.20 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.4	78.6
61	47.3	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 54.79 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 65 Resp: 162912

Ion Ratio Lower Upper

65 100

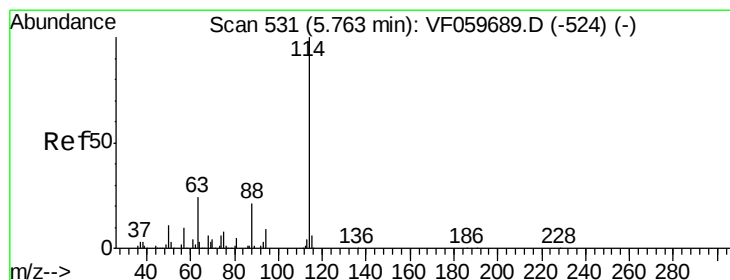
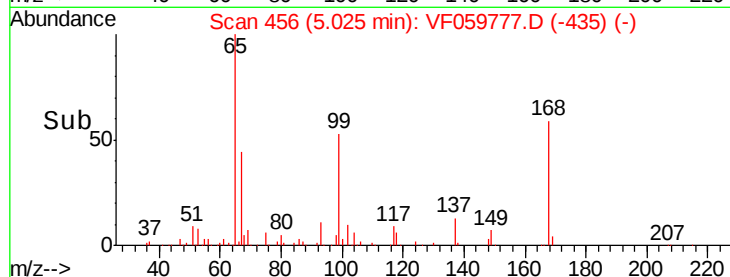
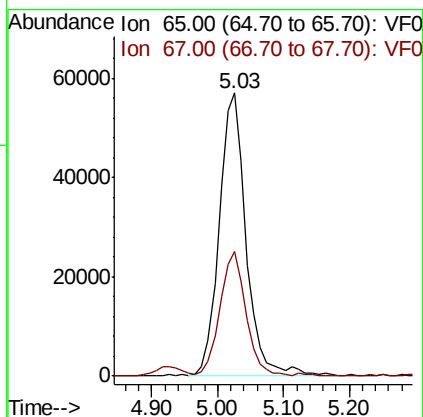
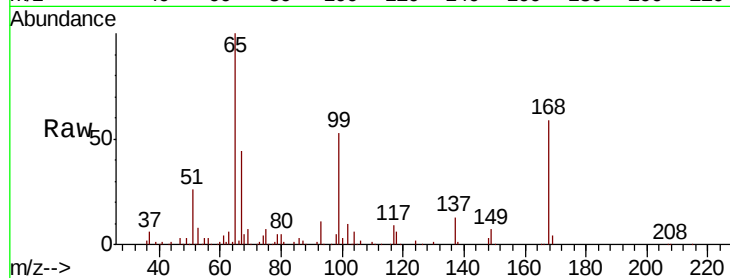
67 43.8 0.0 84.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

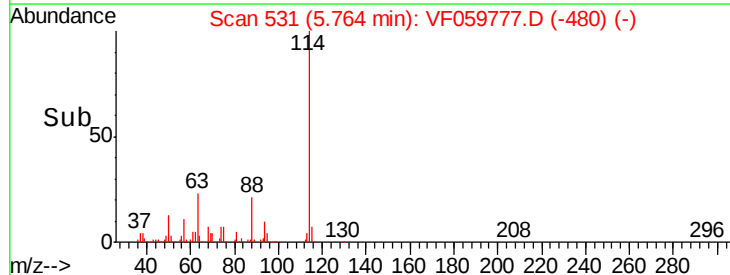
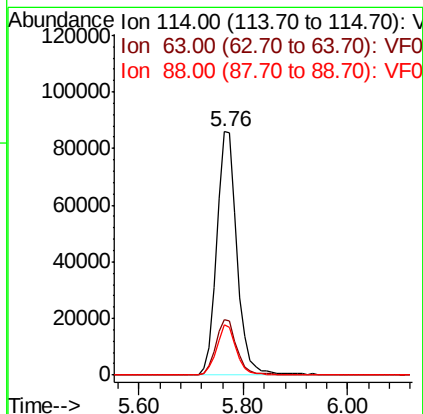
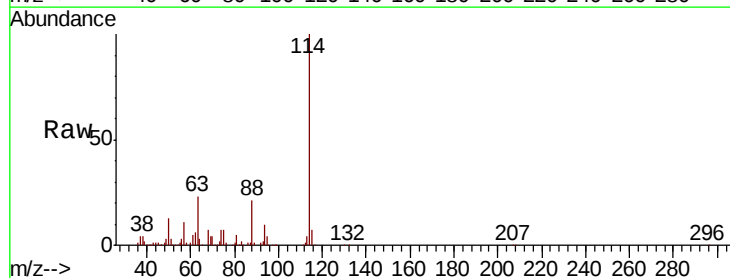
Tgt Ion: 114 Resp: 232584

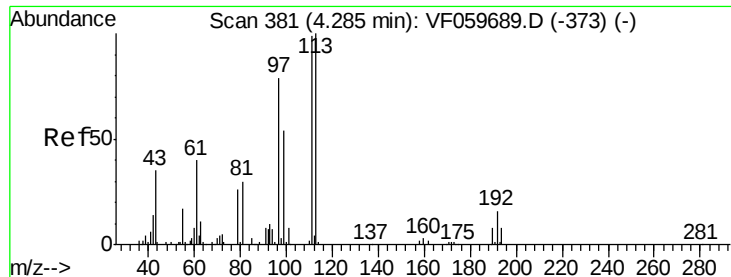
Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.4

88 20.6 0.0 41.2





#35

Dibromofluoromethane

Concen: 54.45 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

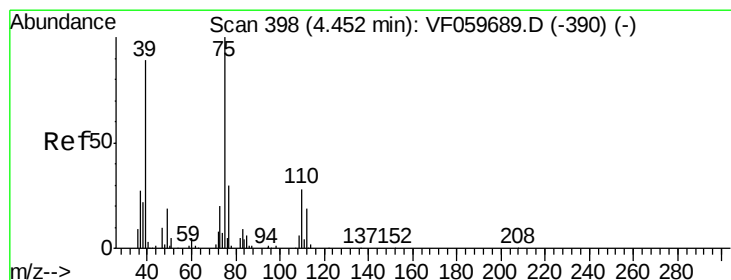
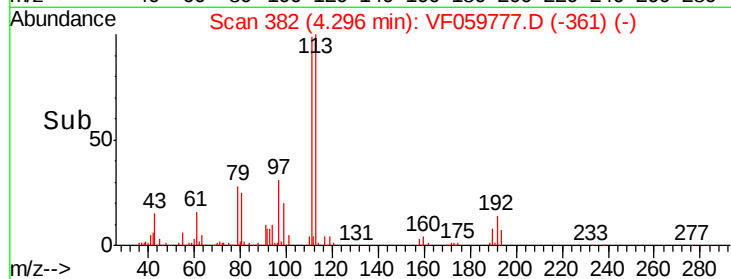
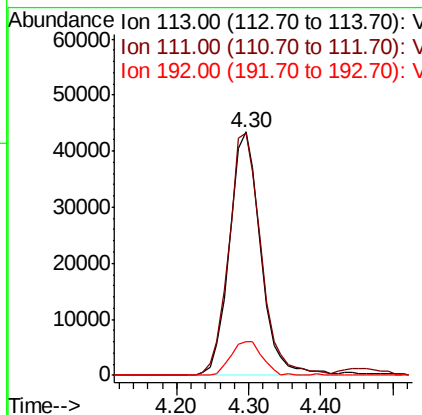
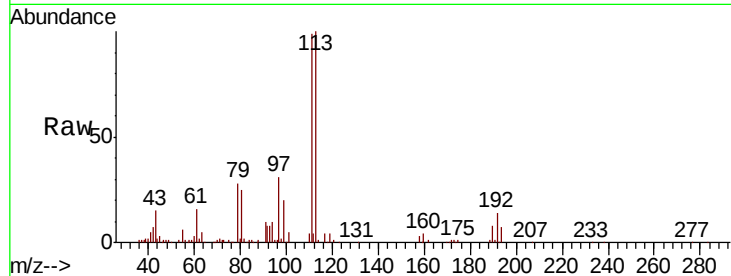
ClientSampleId :

VF0801SBSD02

Tot Ion:	113	Resp:	131534
Ion Ratio	Lower	Upper	
113	100		
111	99.5	79.0	118.4
192	14.0	13.2	19.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.78 ug/l

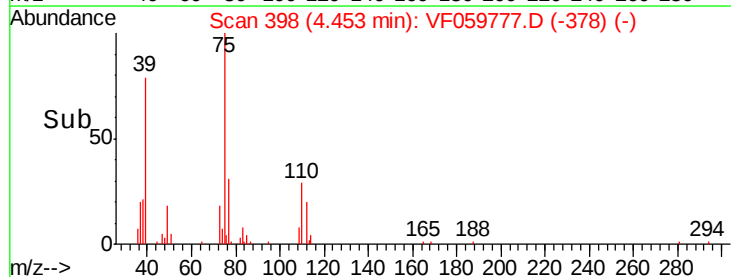
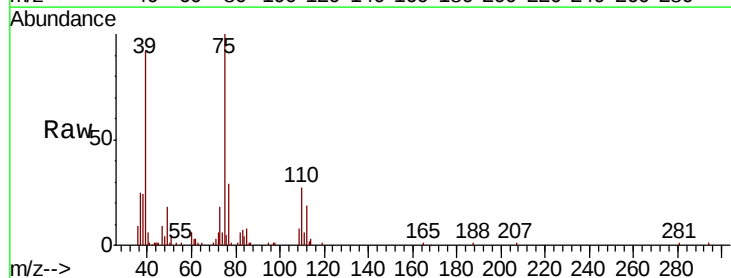
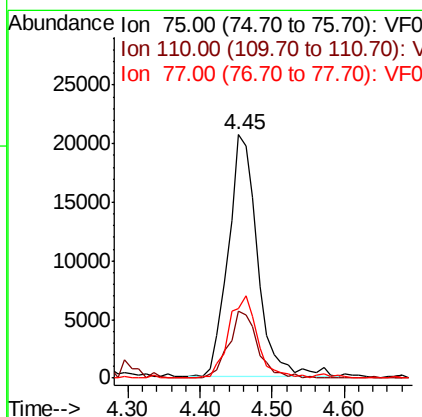
RT: 4.45 min Scan# 398

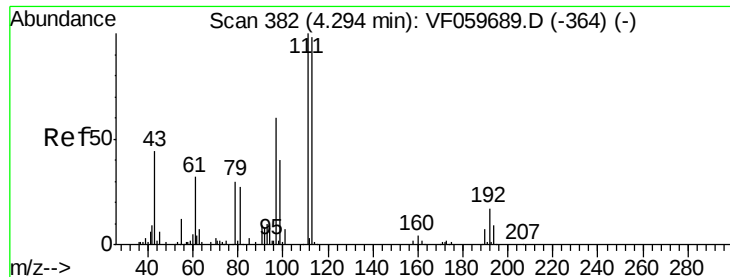
Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	75	Resp:	58712
Ion Ratio	Lower	Upper	
75	100		
110	27.4	14.0	41.9
77	28.6	24.2	36.2





#37

Ethyl Acetate

Concen: 23.19 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

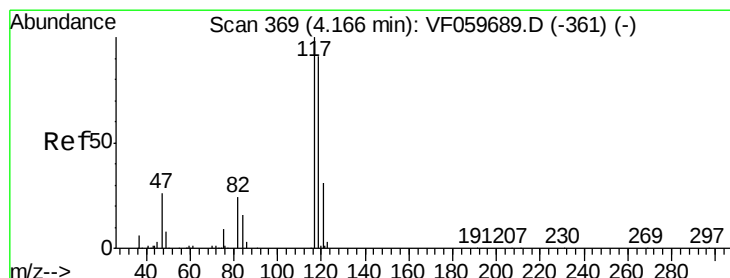
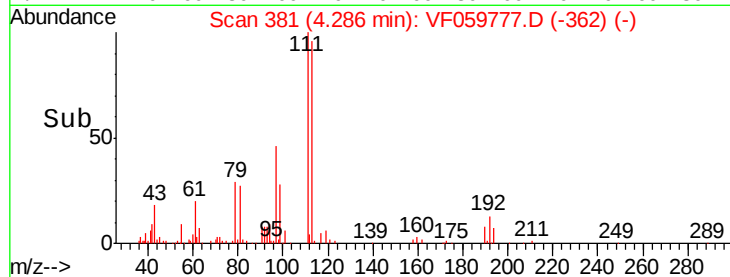
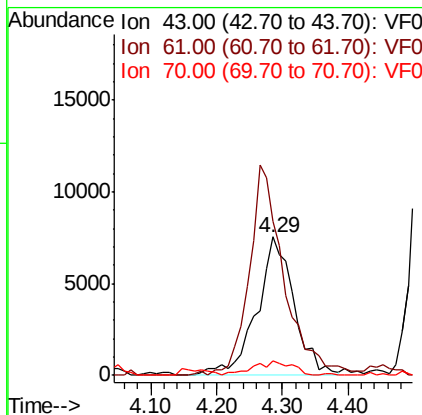
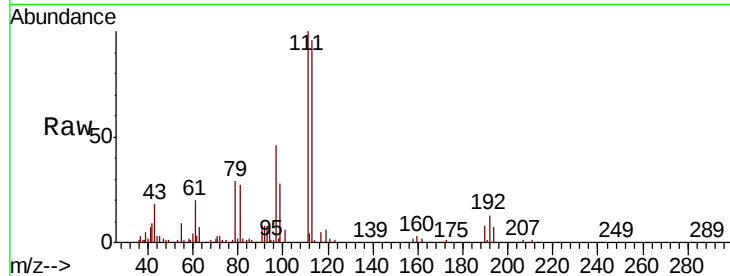
ClientSampleId :

VF0801SBSD02

Tot Ion:	43	Resp:	29799
Ion	Ratio	Lower	Upper
43	100		
61	111.6	58.2	87.2#
70	10.6	6.0	9.0#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 24.50 ug/l

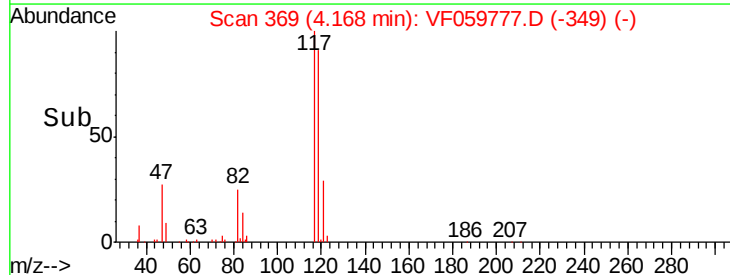
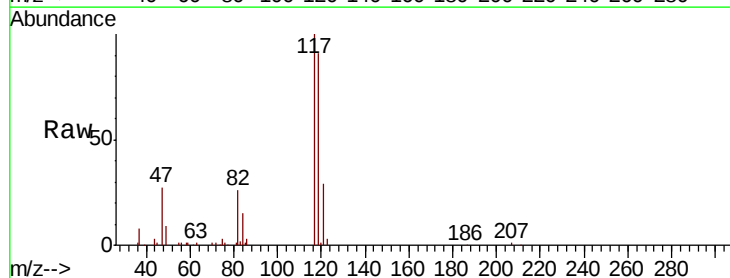
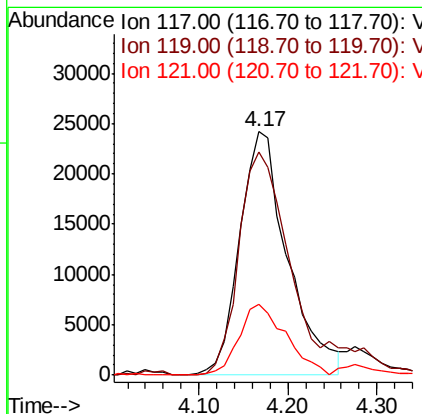
RT: 4.17 min Scan# 369

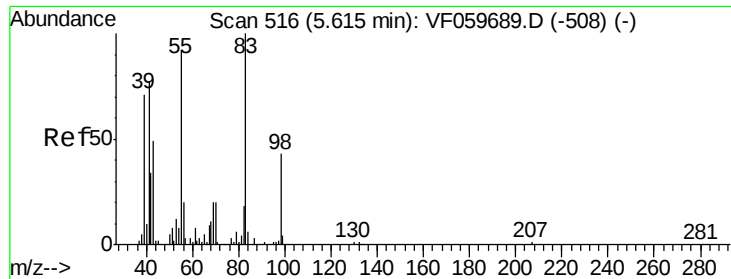
Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	117	Resp:	90592
Ion	Ratio	Lower	Upper
117	100		
119	91.4	72.9	109.3
121	29.0	25.0	37.4





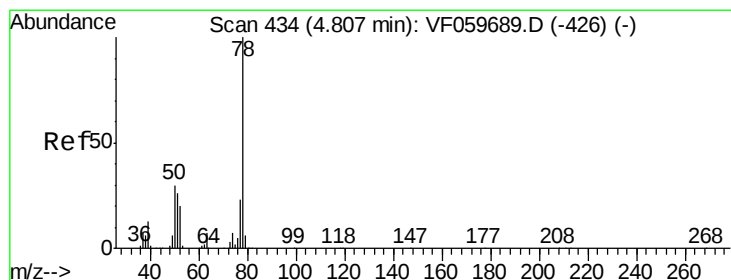
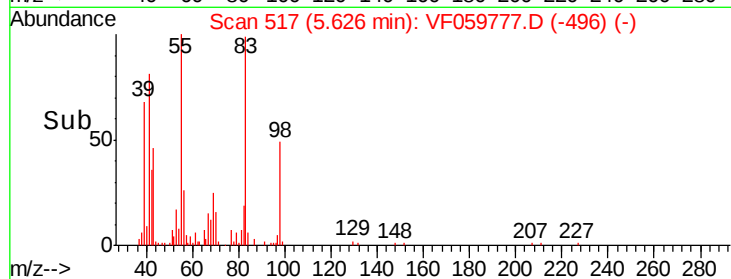
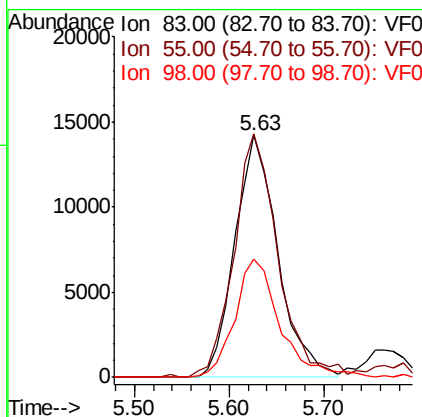
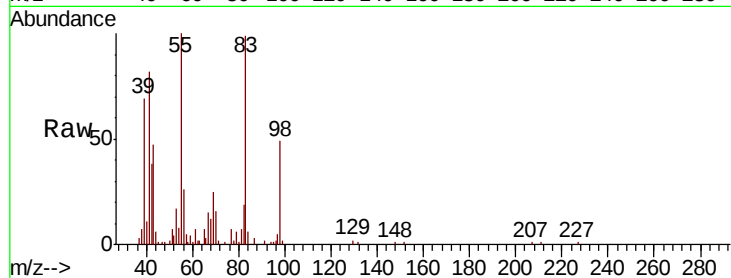
#39
Methvlcvclohexane
Concen: 22.66 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.5	73.4	110.2
98	48.9	34.2	51.4

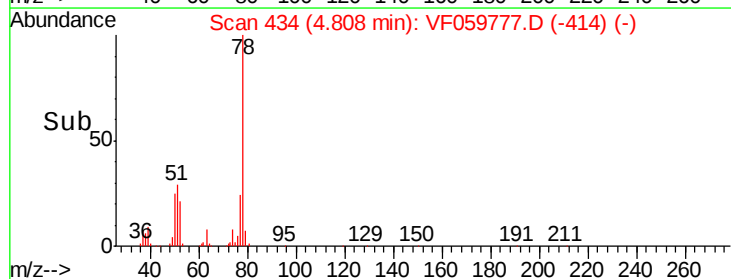
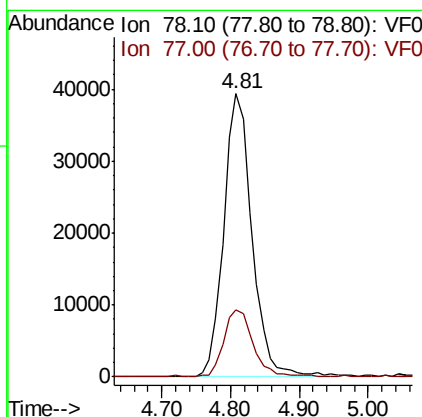
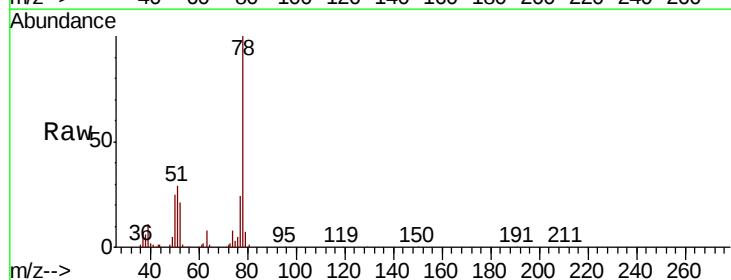
Manual Integrations
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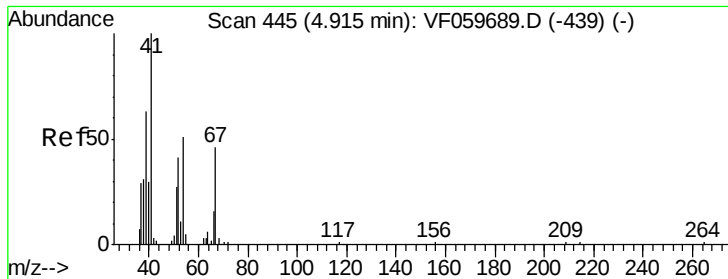
apatel
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#40
Benzene
Concen: 23.84 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





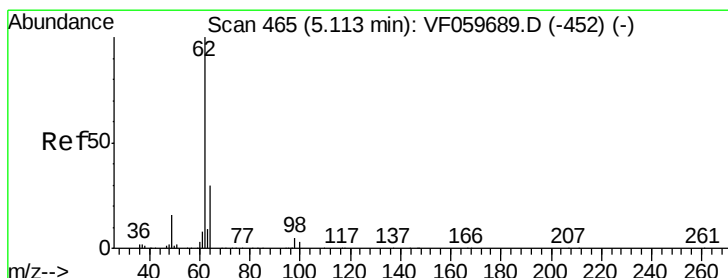
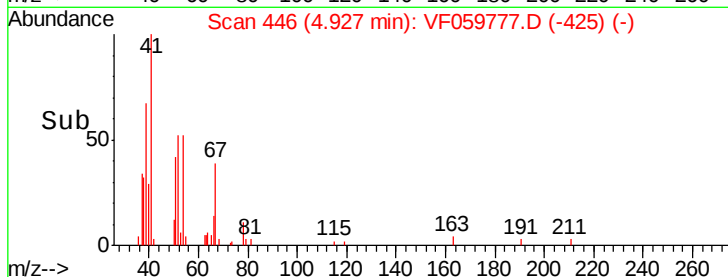
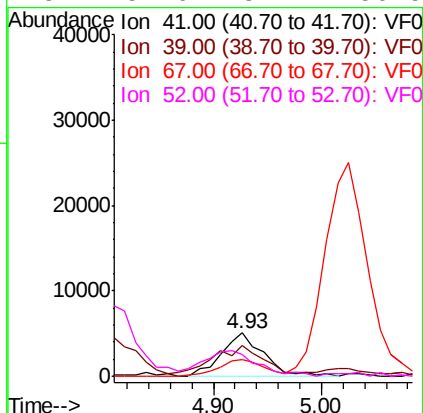
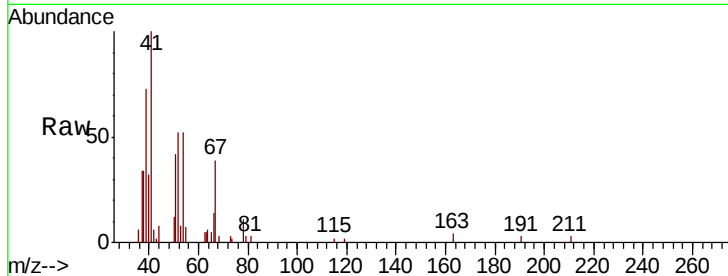
#41
Methacrylonitrile
Concen: 21.75 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.7	55.2	82.8
67	39.1	36.2	54.2
52	51.6	37.7	56.5

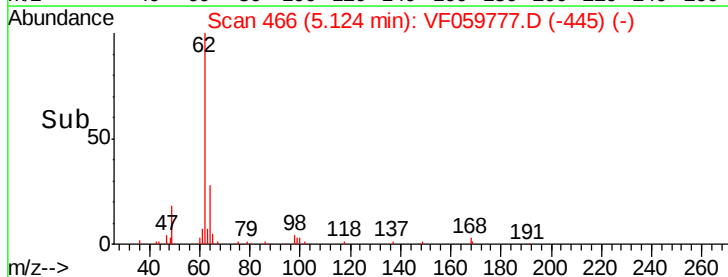
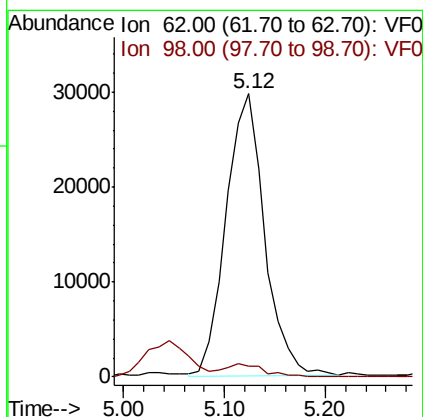
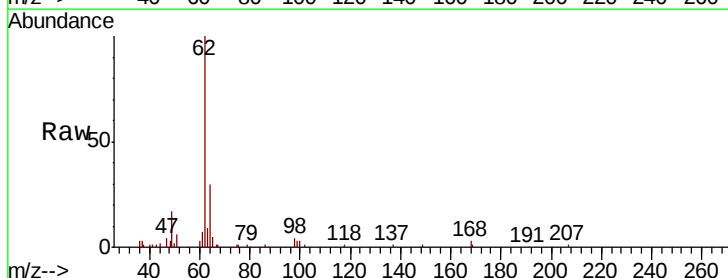
Manual Integrations
APPROVED

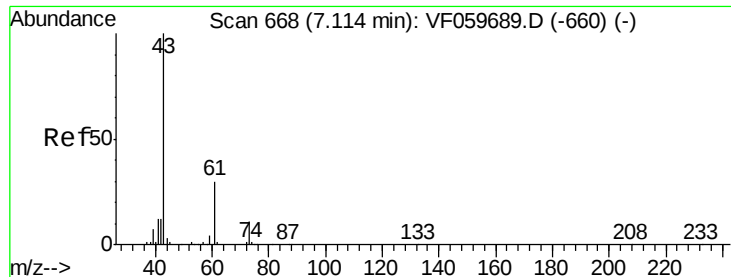
apatel
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#42
1,2-Dichloroethane
Concen: 23.97 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	9.6





#43

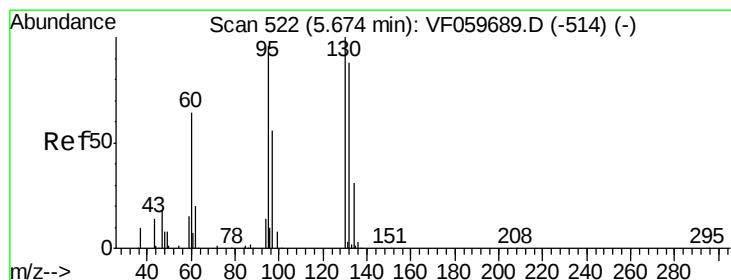
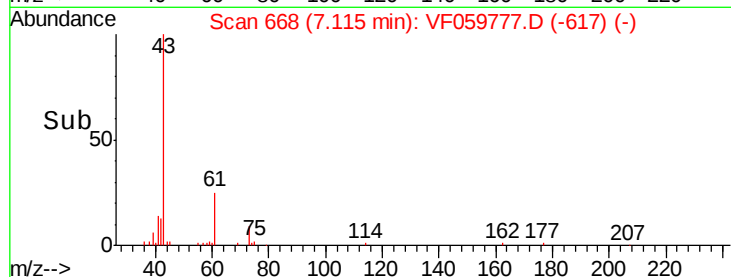
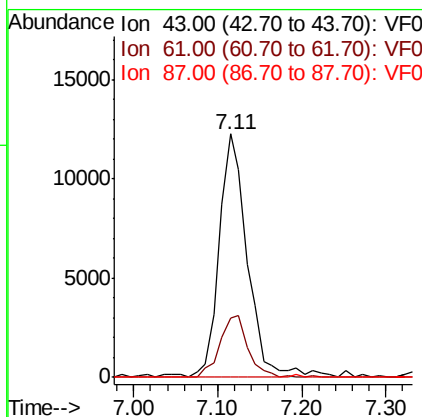
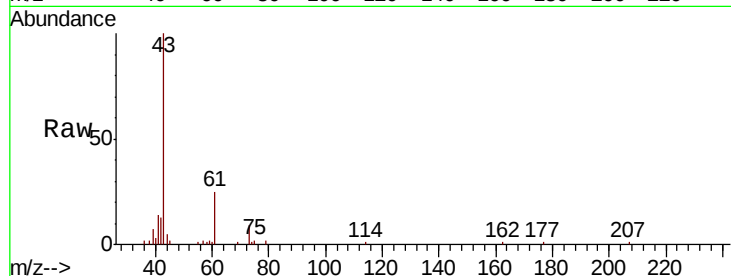
Isopropyl Acetate
 Concen: 20.62 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	23.8	35.8
87	0.0	0.6	1.0

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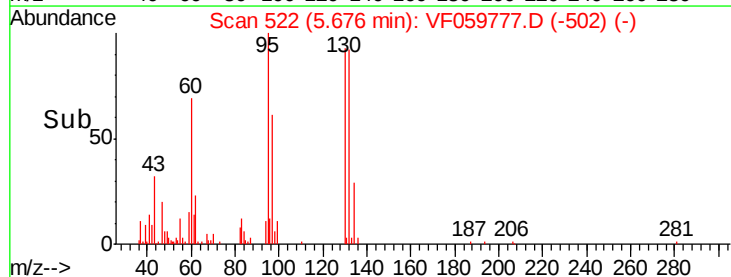
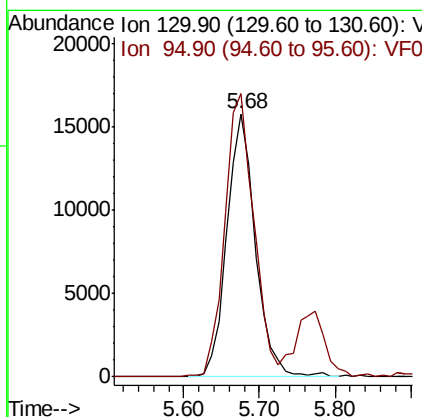
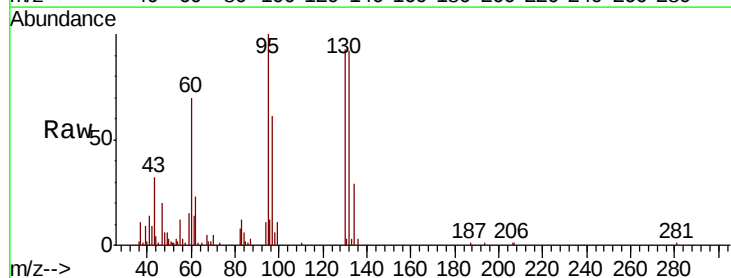
apatel
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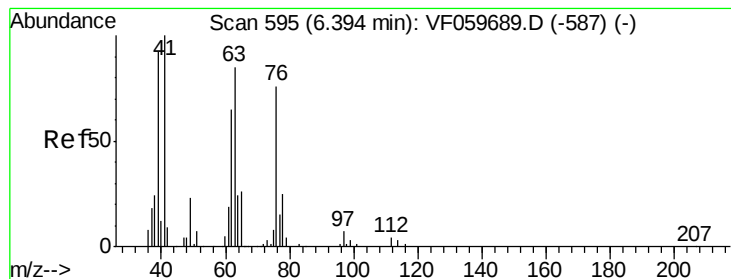


#44

Trichloroethene
 Concen: 23.07 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	191.0





#45

1,2-Dichloropropane

Concen: 24.87 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 63 Resp: 30855

Ion Ratio Lower Upper

63 100

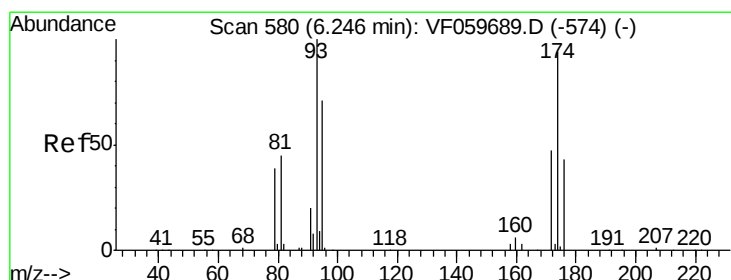
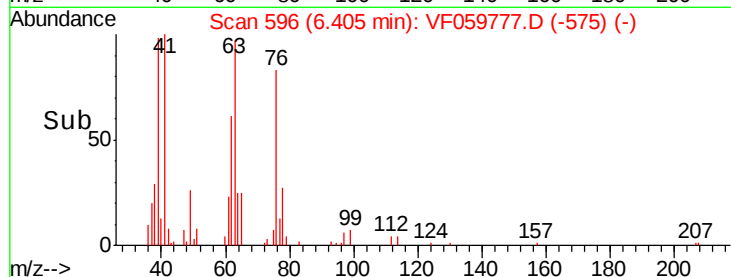
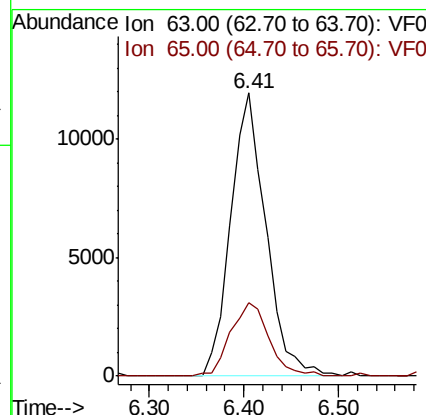
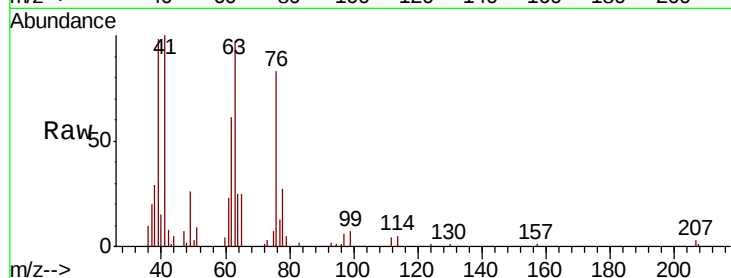
65 25.9 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 23.73 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

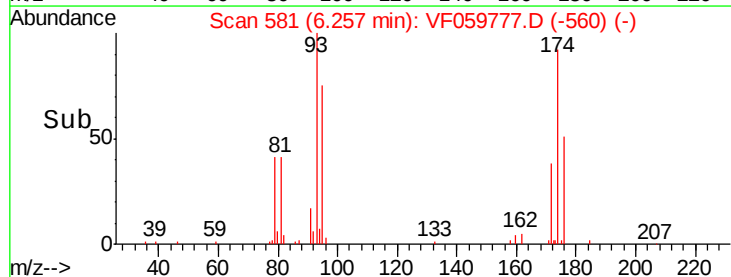
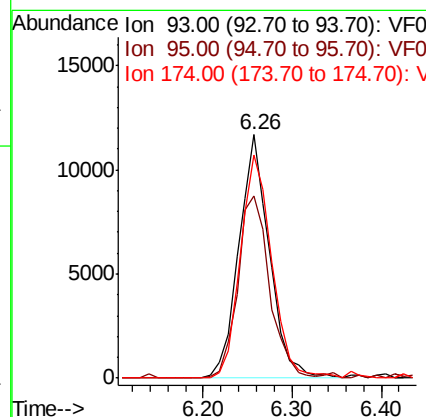
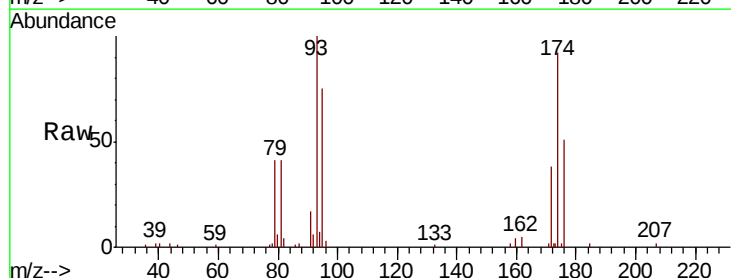
Tgt Ion: 93 Resp: 27950

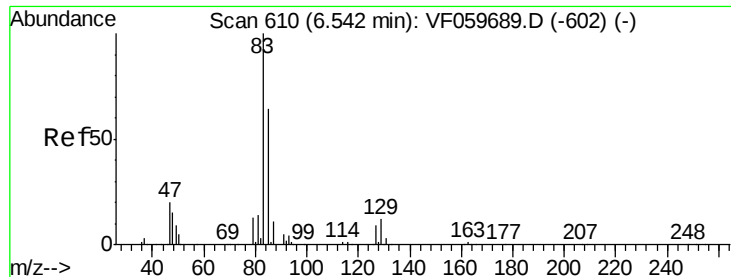
Ion Ratio Lower Upper

93 100

95 74.8 57.1 85.7

174 91.9 74.8 112.2





#47

Bromodichloromethane

Concen: 23.71 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

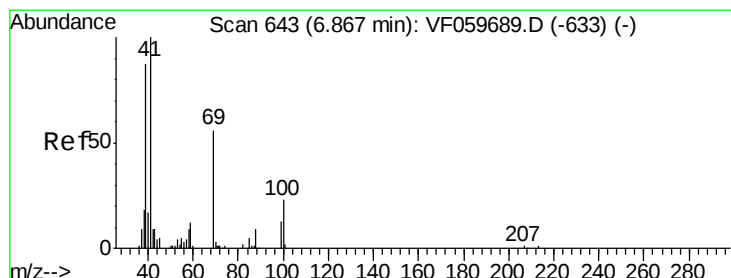
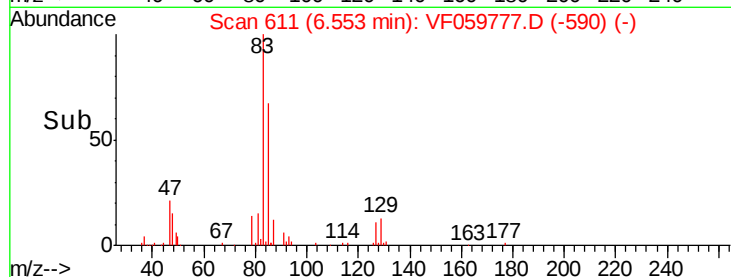
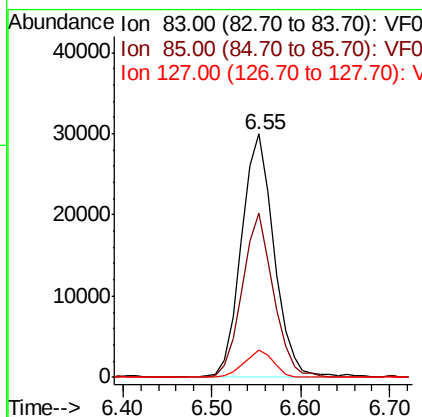
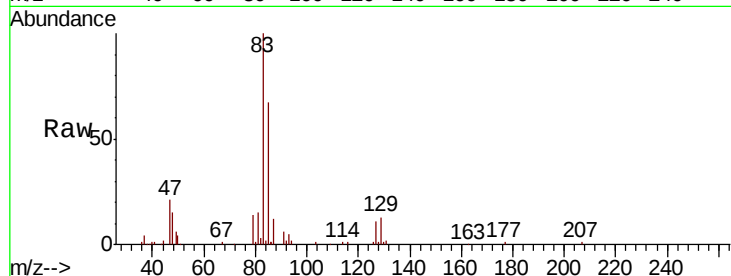
ClientSampleId :

VF0801SBS02

Tot Ion:	83	Resp:	76036
Ion Ratio	Lower	Upper	
83	100		
85	67.3	51.0	76.6
127	11.1	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.67 ug/l

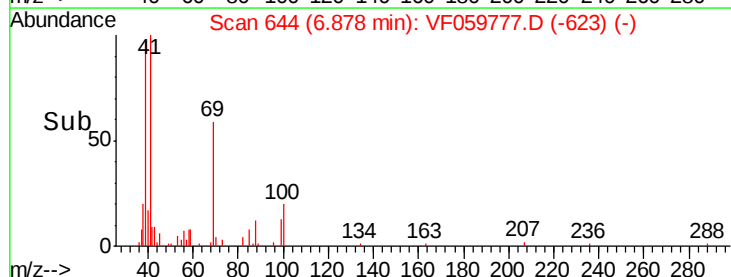
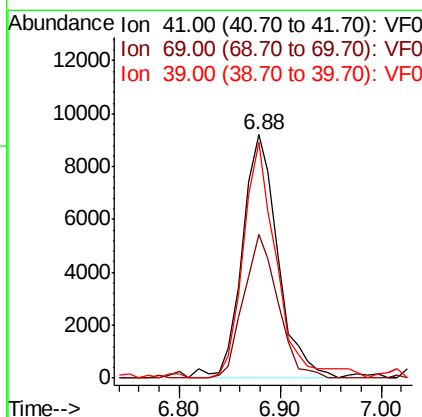
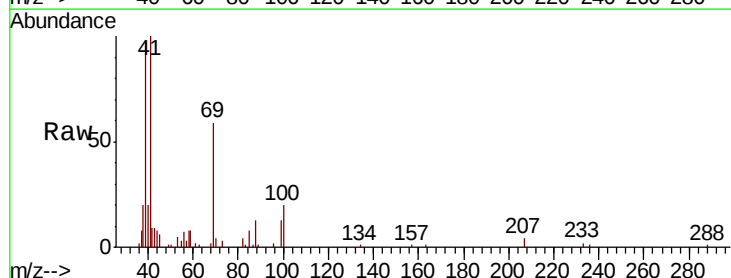
RT: 6.88 min Scan# 644

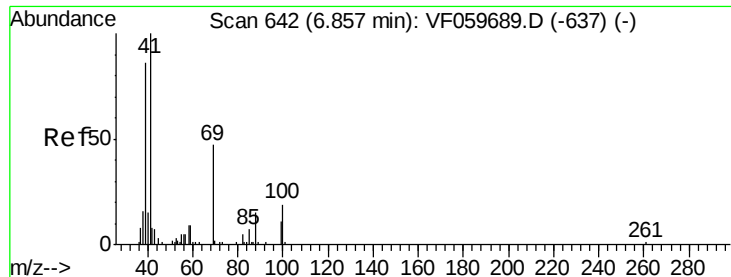
Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	41	Resp:	22672
Ion Ratio	Lower	Upper	
41	100		
69	59.2	44.4	66.6
39	96.9	69.4	104.2





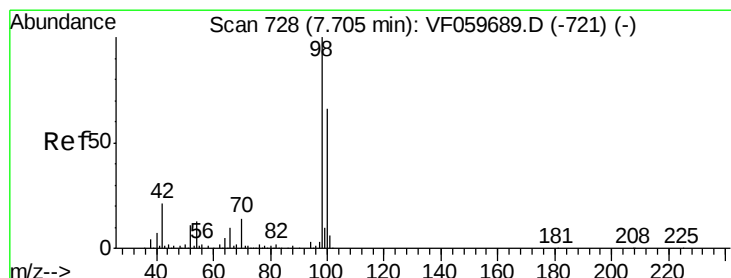
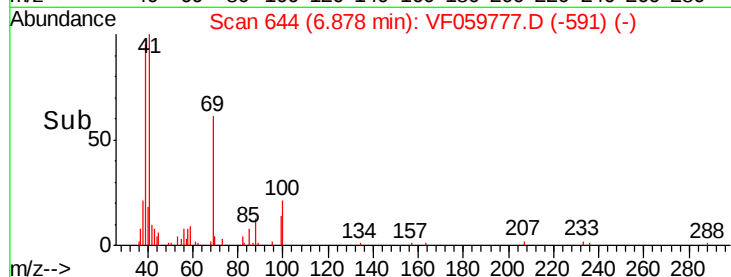
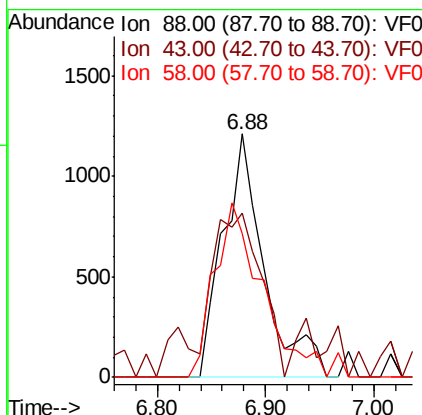
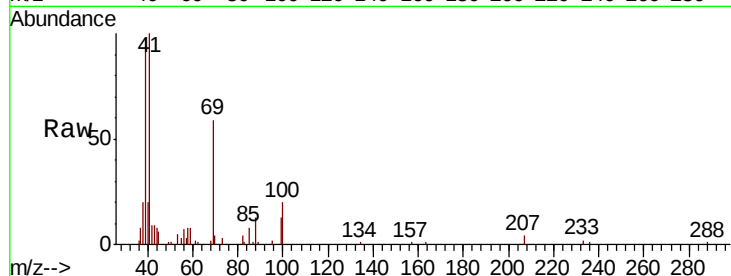
#49
1,4-Dioxane
Concen: 459.11 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	67.3	45.2	67.8
58	59.2	49.0	73.6

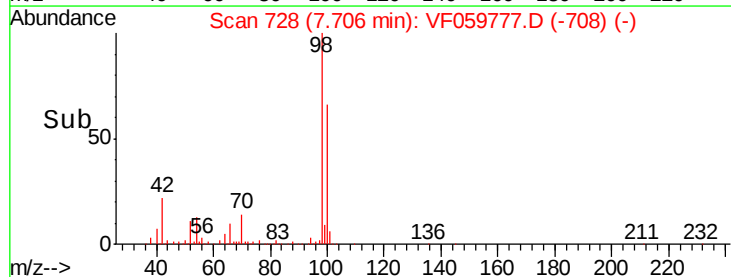
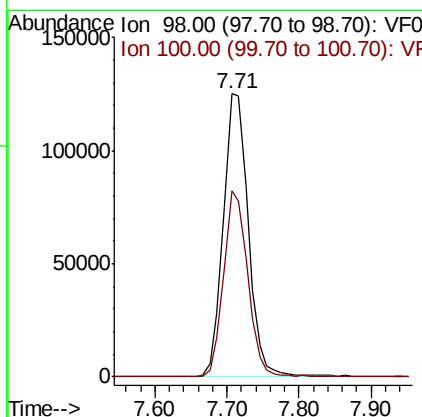
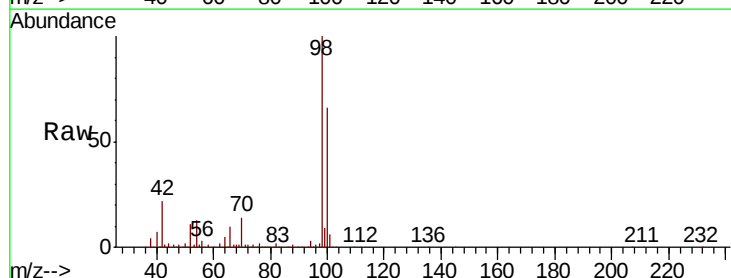
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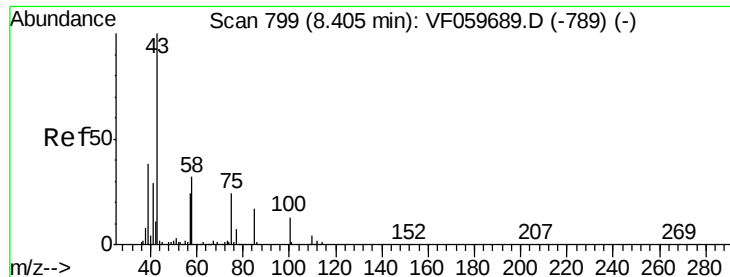
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#50
Toluene-d8
Concen: 53.54 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 117.06 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 43 Resp: 123844

Ion Ratio Lower Upper

43 100

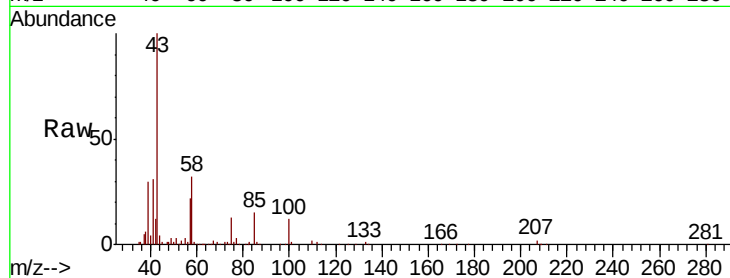
58 32.4 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

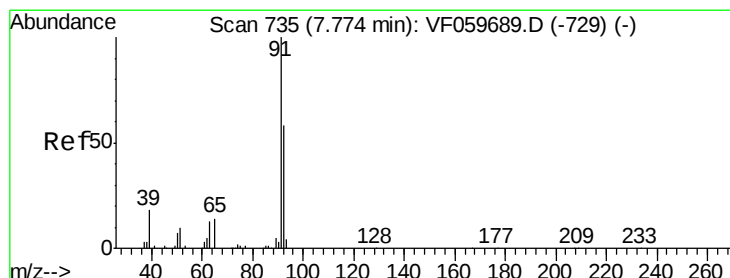
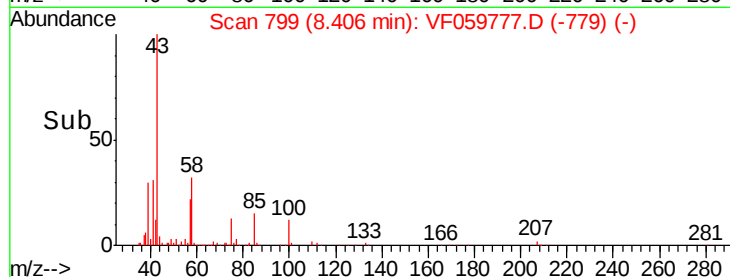
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 23.85 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059777.D

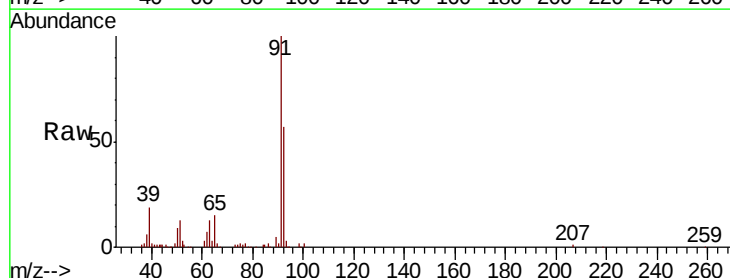
Acq: 2 Aug 2018 3:02

Tgt Ion: 92 Resp: 78906

Ion Ratio Lower Upper

92 100

91 174.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

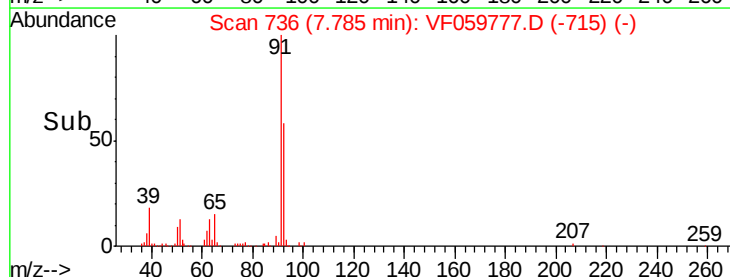
40000

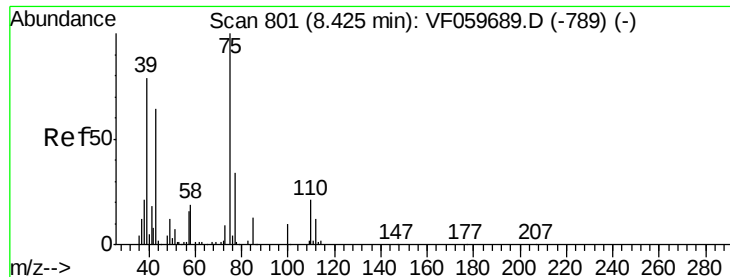
20000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.34 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059777.D

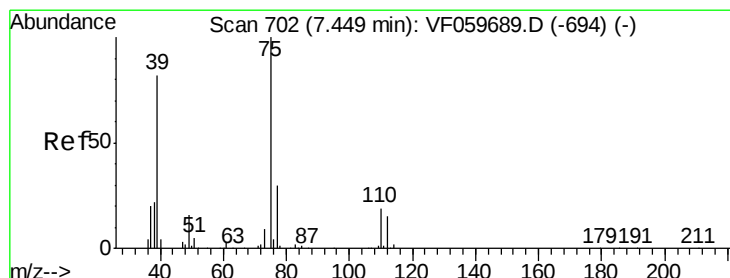
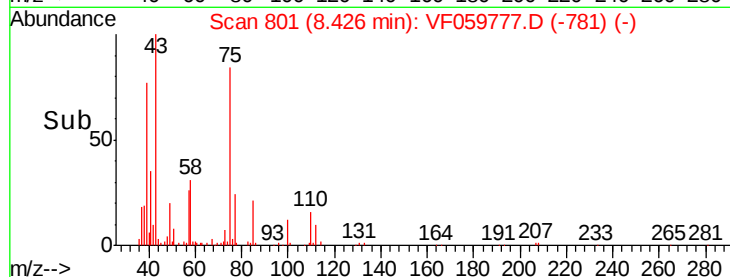
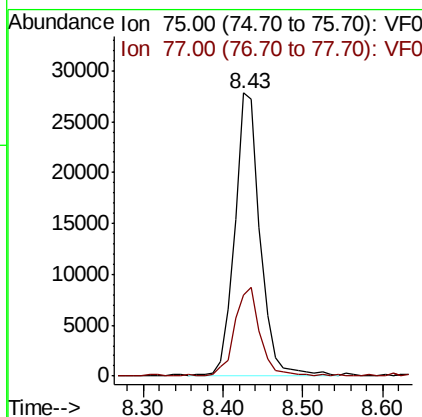
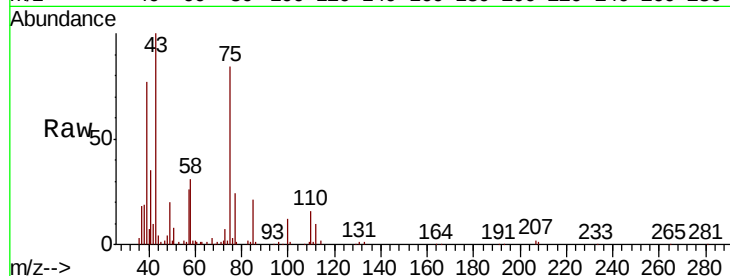
Acq: 2 Aug 2018 3:02

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.5	27.0	40.4

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

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#54

cis-1,3-Dichloropropene

Concen: 22.76 ug/l

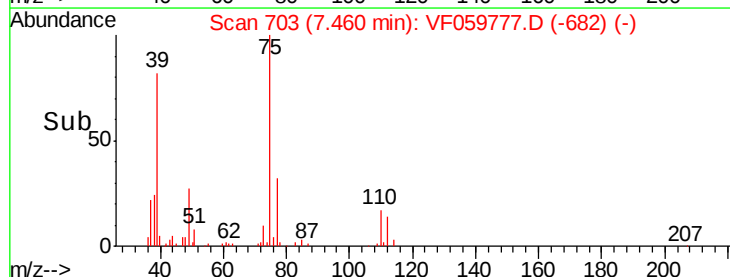
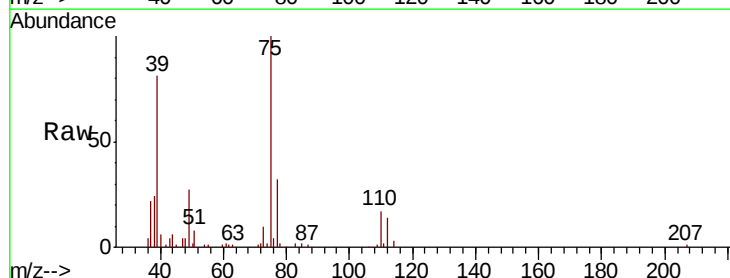
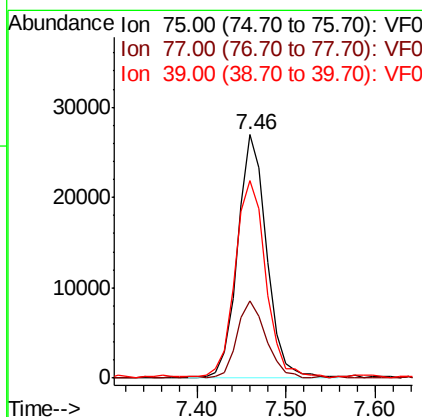
RT: 7.46 min Scan# 703

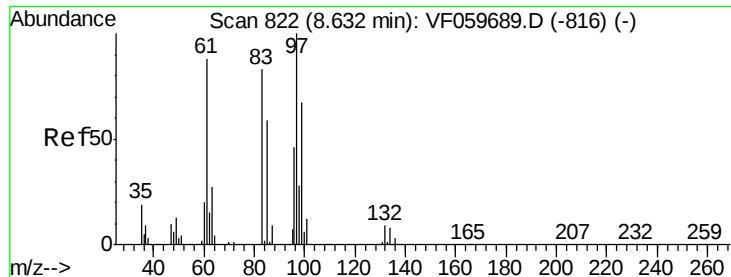
Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.0	36.0
39	81.3	65.4	98.2





#55

1,1,2-Trichloroethane

Concen: 23.21 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

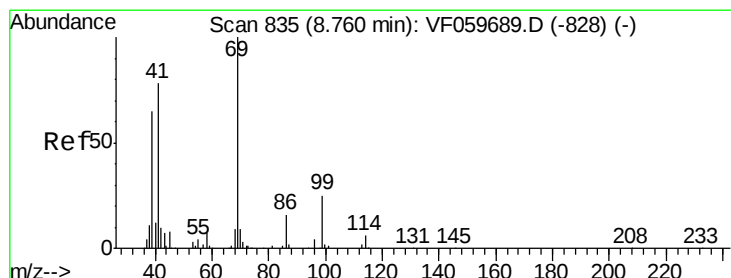
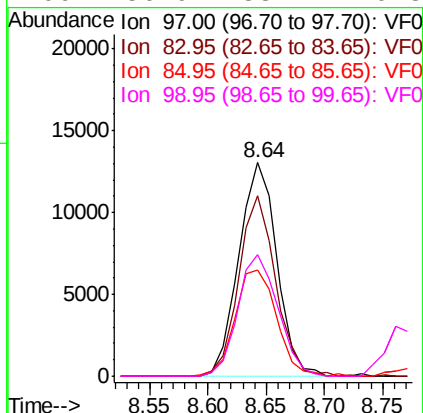
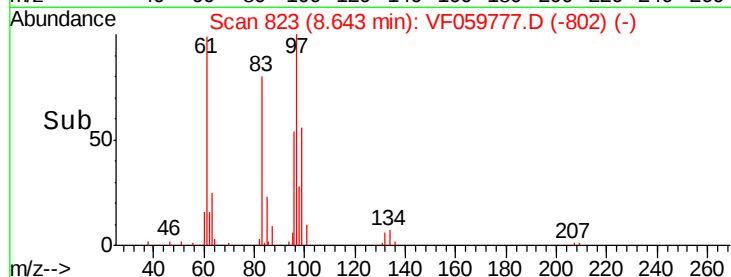
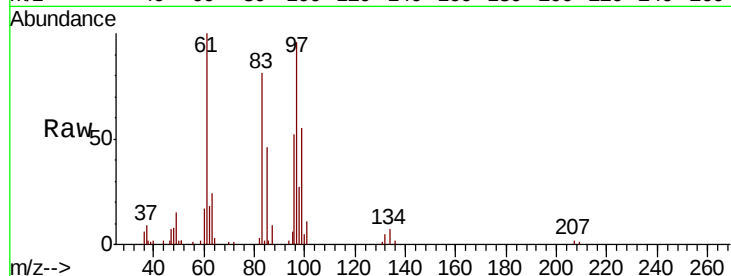
ClientSampleId :

VF0801SBS02

Tot Ion:	97	Resp:	29525
Ion Ratio	Lower	Upper	
97	100		
83	84.6	66.6	100.0
85	50.0	47.4	71.0
99	56.9	53.2	79.8

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#56

Ethyl methacrylate

Concen: 20.59 ug/l

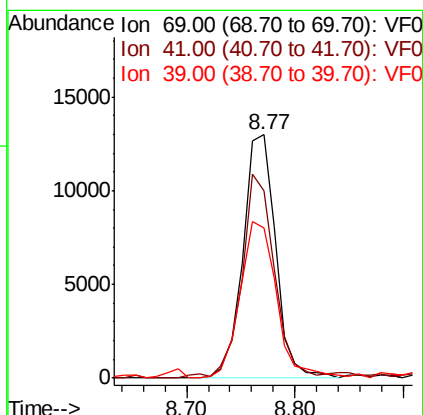
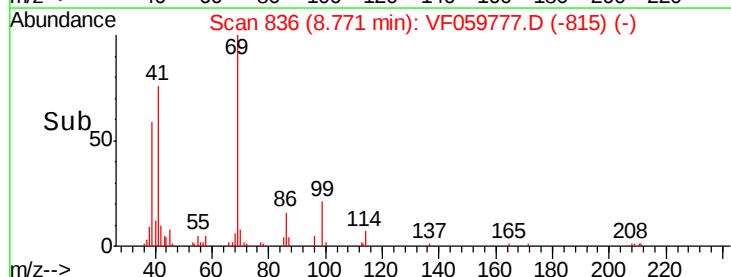
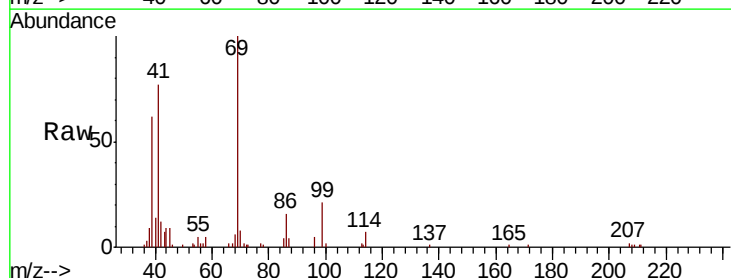
RT: 8.77 min Scan# 836

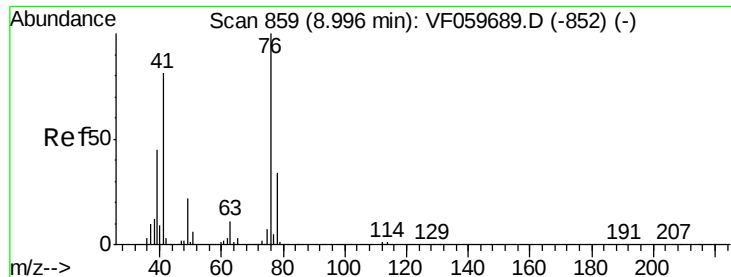
Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	69	Resp:	27320
Ion Ratio	Lower	Upper	
69	100		
41	76.8	62.3	93.5
39	61.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 22.67 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 76 Resp: 49483

Ion Ratio Lower Upper

76 100

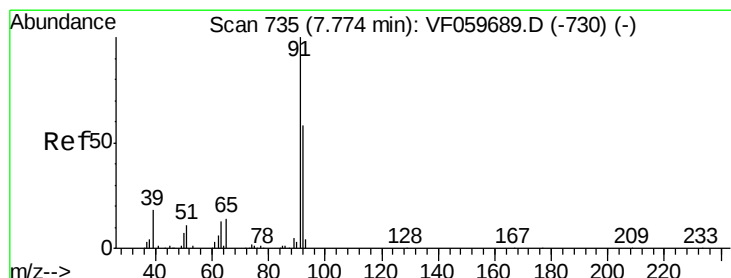
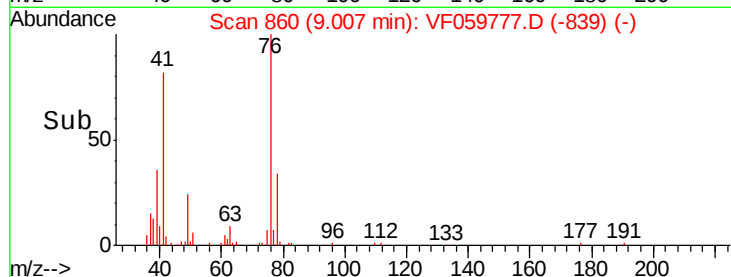
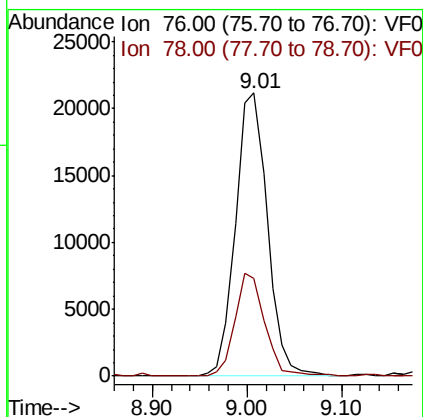
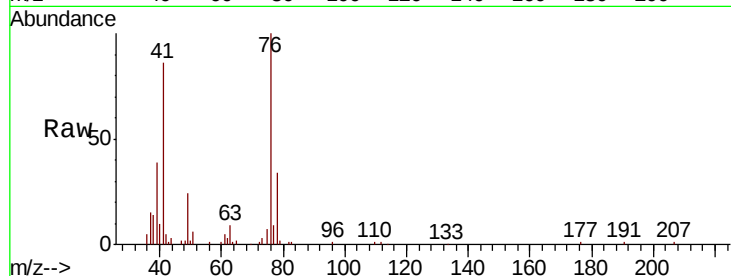
78 34.4 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 124.48 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059777.D

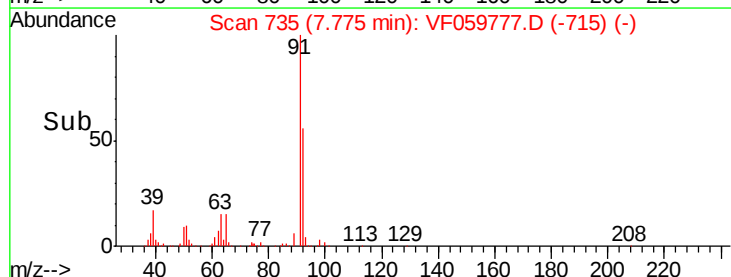
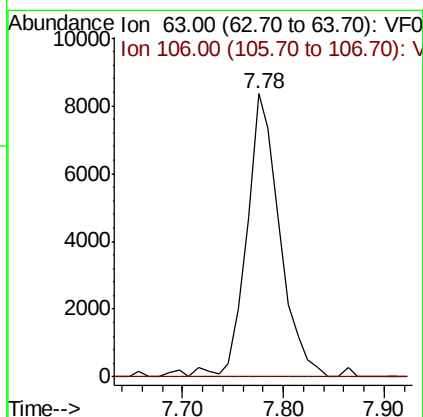
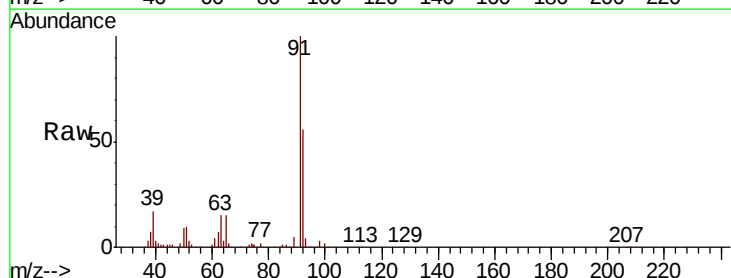
Acq: 2 Aug 2018 3:02

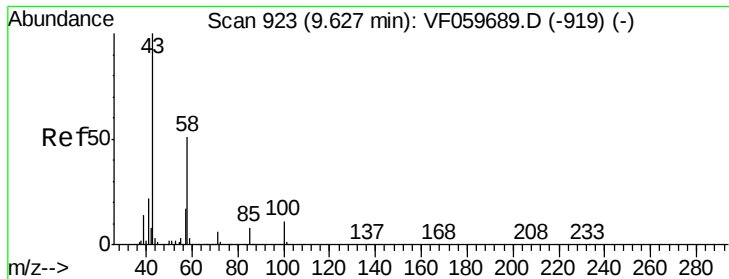
Tgt Ion: 63 Resp: 19066

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





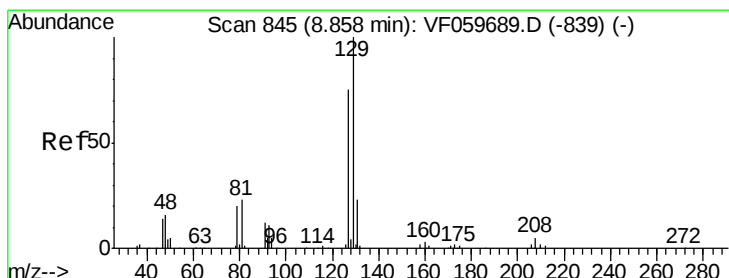
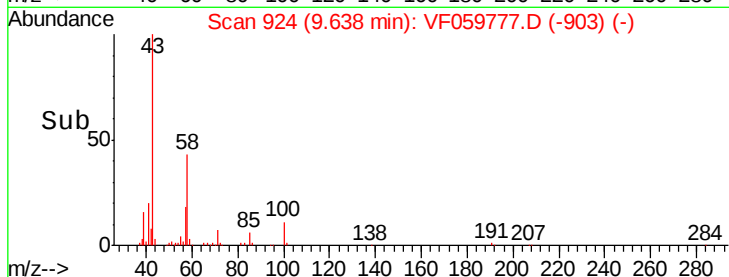
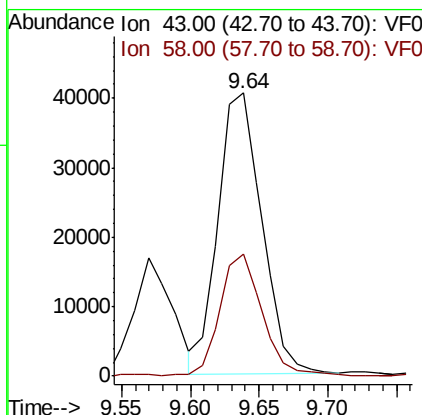
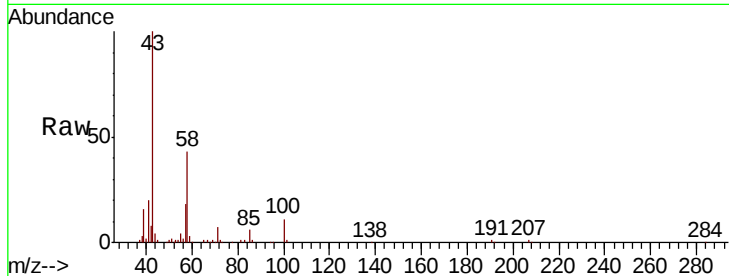
#59
2-Hexanone
Concen: 105.95 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.1	23.3	69.8

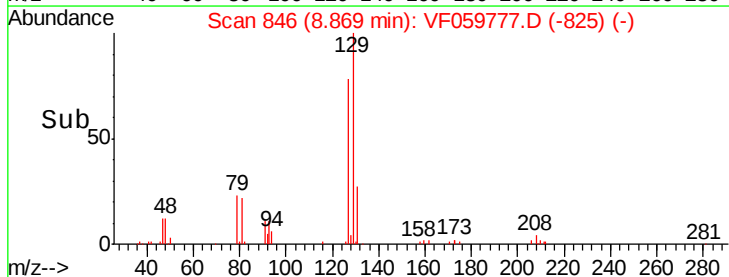
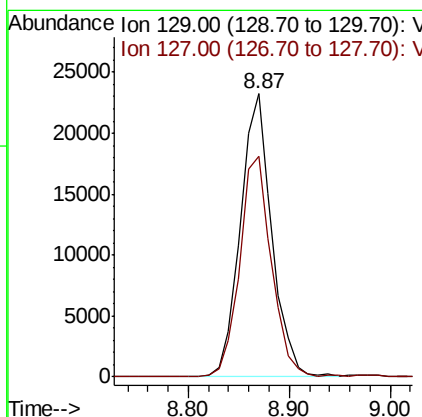
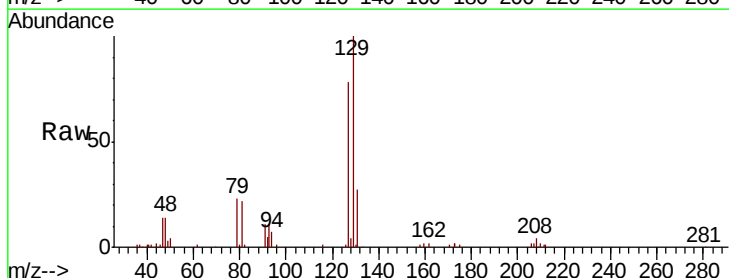
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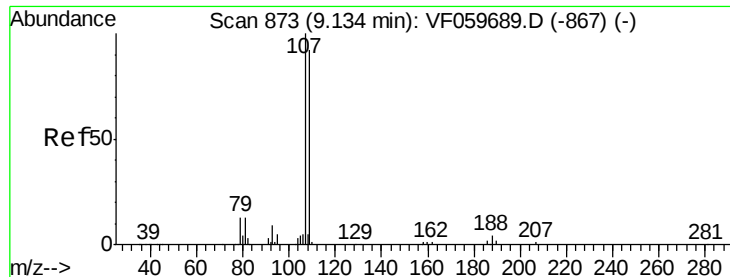
apatel
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#60
Dibromochloromethane
Concen: 22.34 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	37.7	113.1





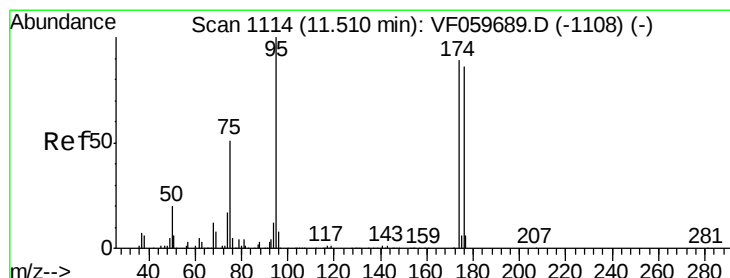
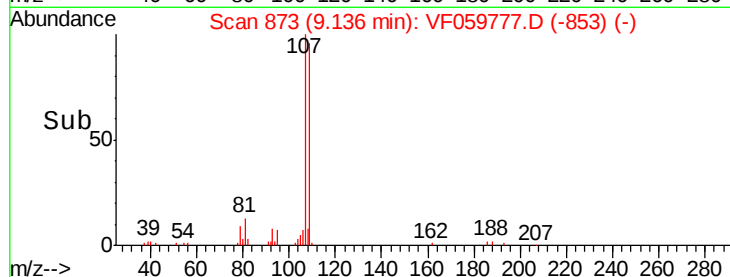
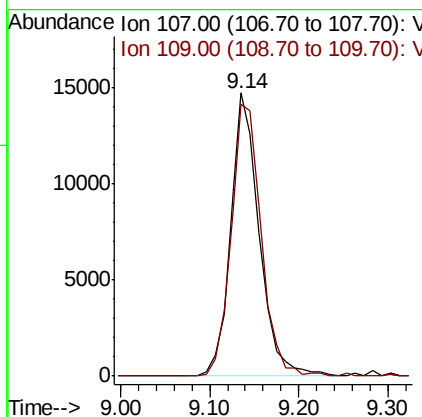
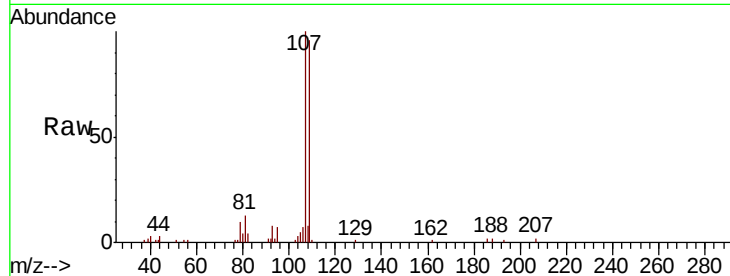
#61
 1,2-Dibromoethane
 Concen: 22.28 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	73.6	110.4

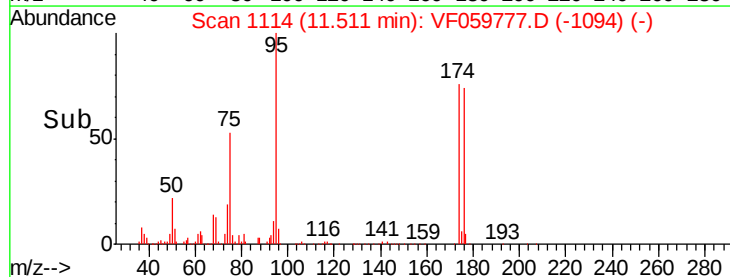
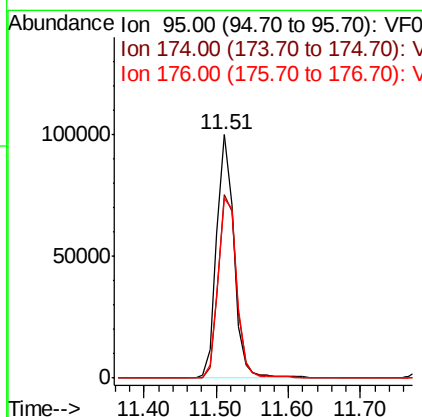
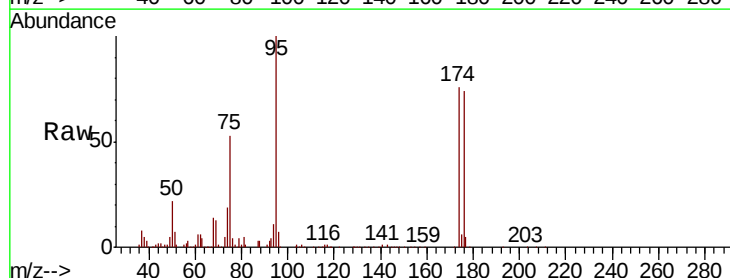
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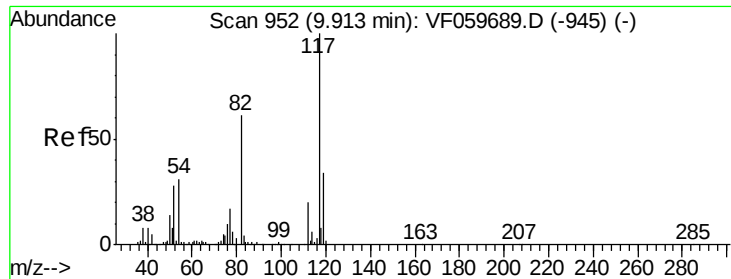
apatel
 8/10/2018 3:51:14 PM



#62
 4-Bromofluorobenzene
 Concen: 52.90 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	178.4
176	74.0	0.0	173.0





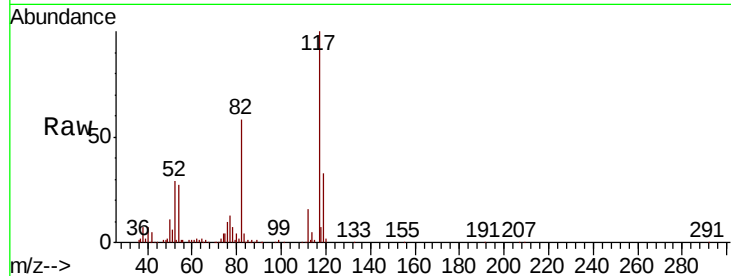
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236651		
82	58.2		49.0	73.4
119	32.6		27.3	40.9

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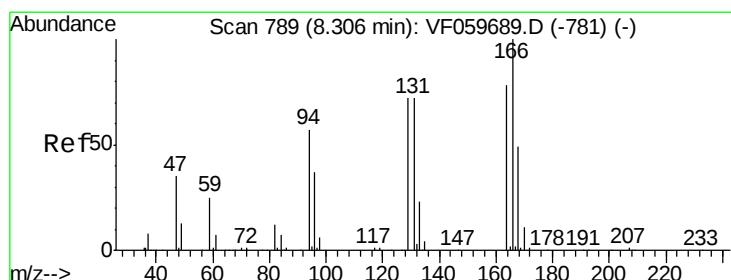
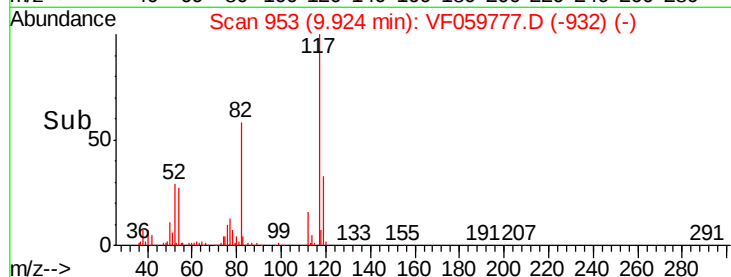
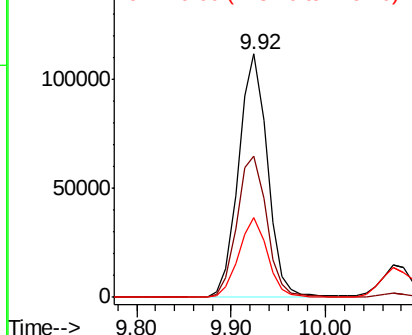


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 27.68 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47376		
166	133.3		102.1	153.1
129	89.3		73.8	110.6
131	99.2		73.1	109.7

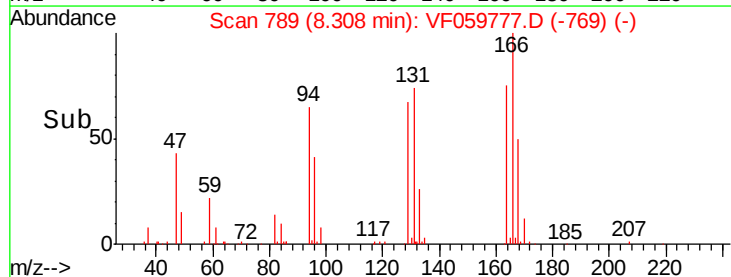
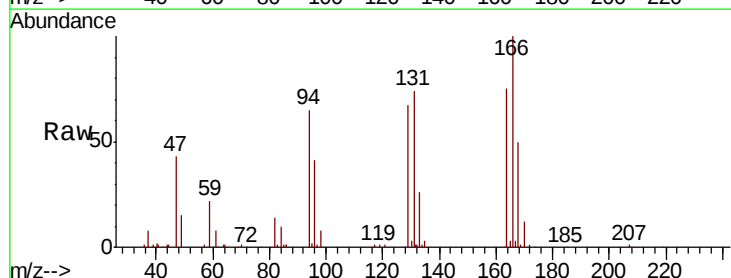
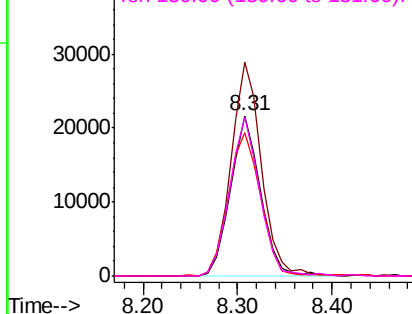
Abundance

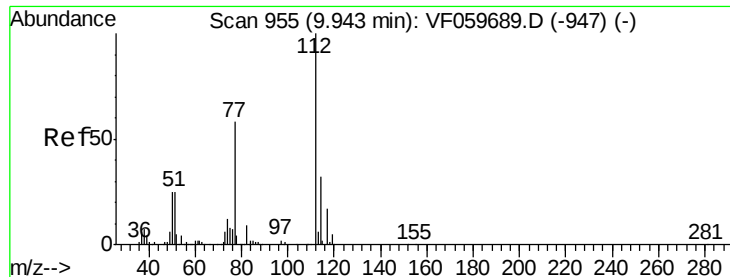
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





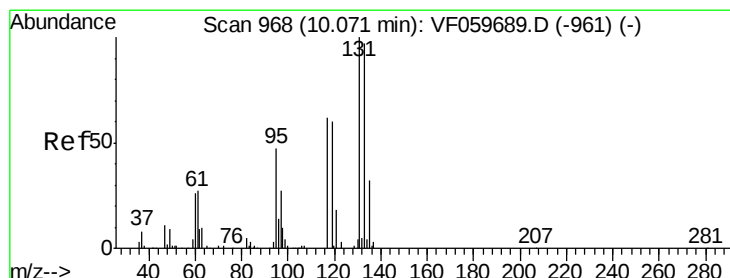
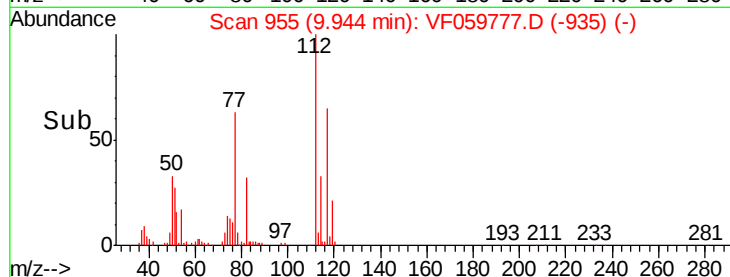
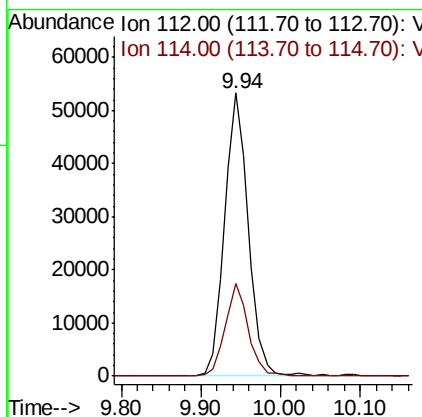
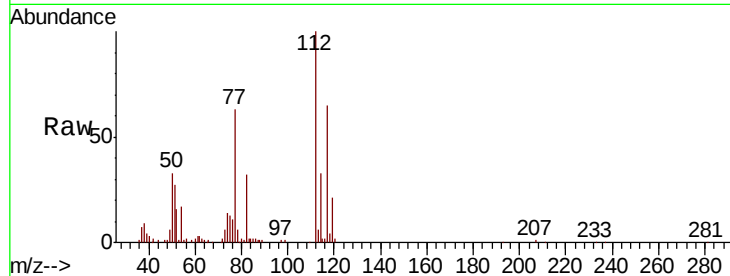
#65
Chlorobenzene
Concen: 23.67 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4

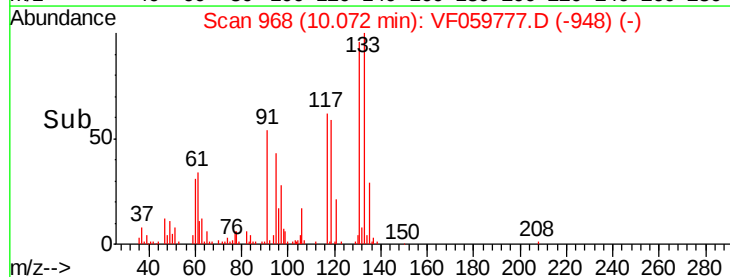
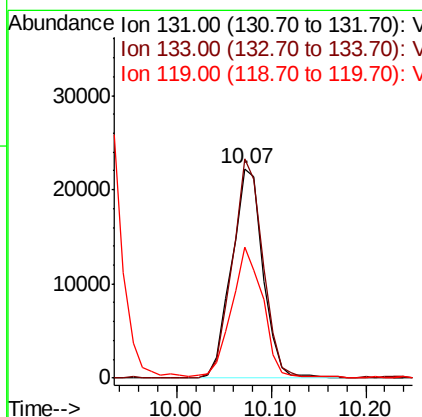
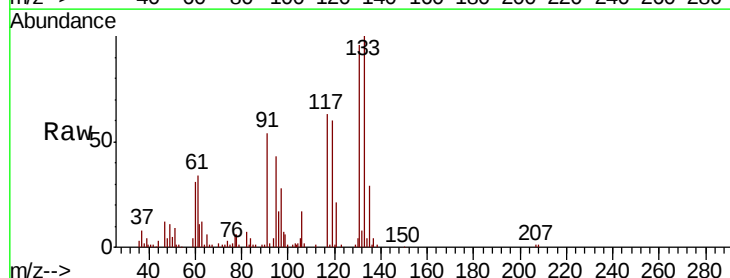
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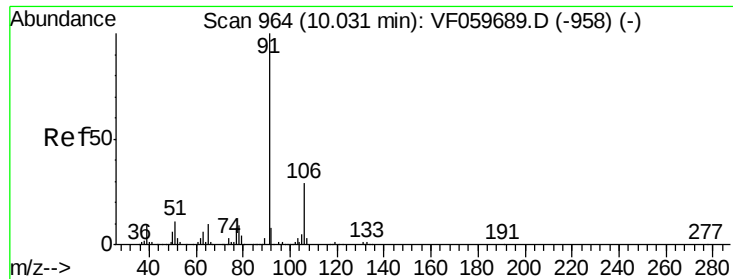
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.06 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	104.7	48.5	145.5
119	62.4	30.3	90.8





#67

Ethyl Benzene

Concen: 23.88 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 91 Resp: 195634

Ion Ratio Lower Upper

91 100

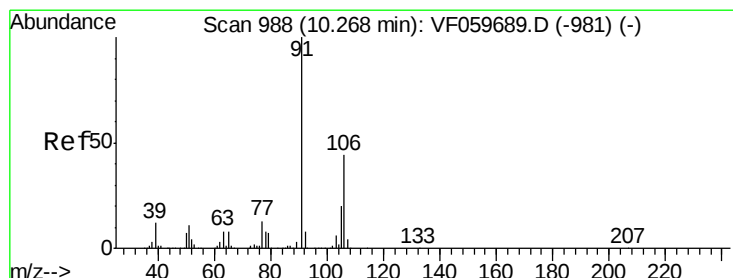
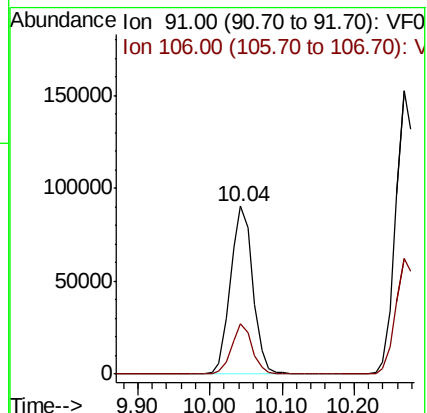
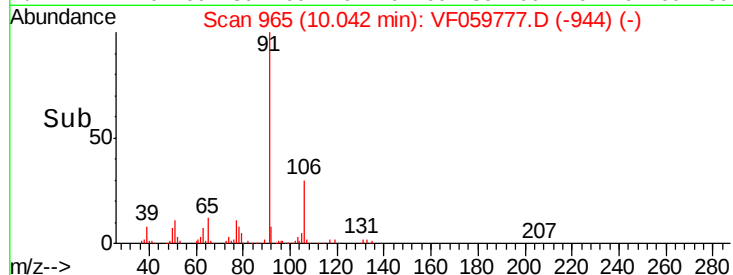
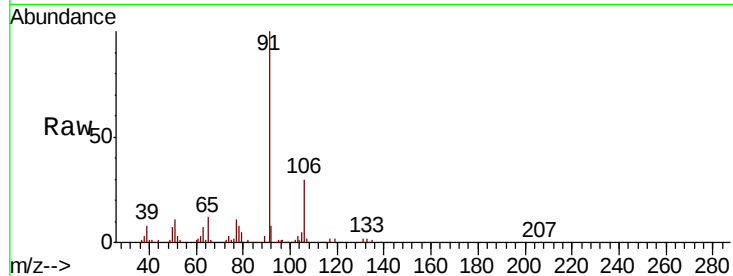
106 30.0 22.9 34.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 47.21 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059777.D

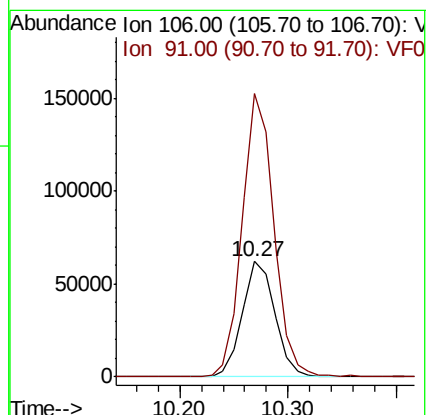
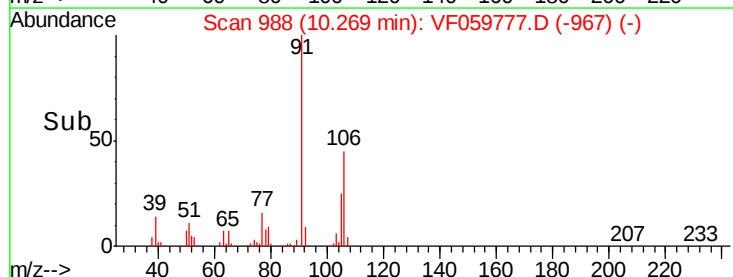
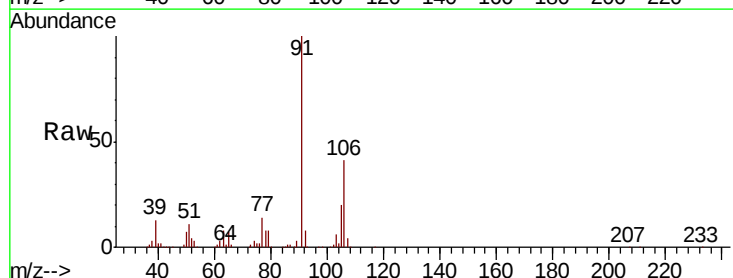
Acq: 2 Aug 2018 3:02

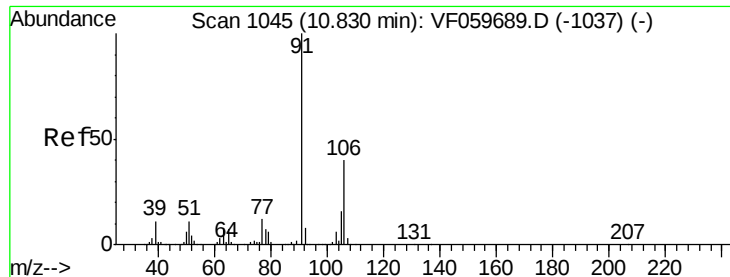
Tgt Ion:106 Resp: 131465

Ion Ratio Lower Upper

106 100

91 245.5 181.7 272.5





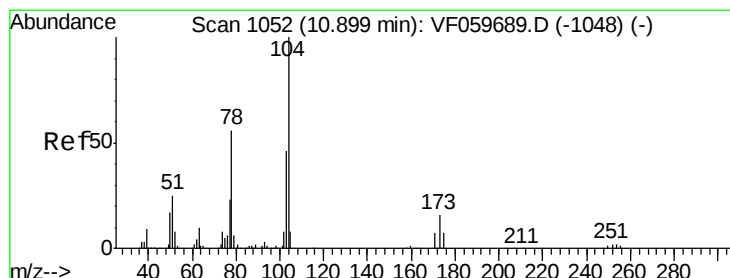
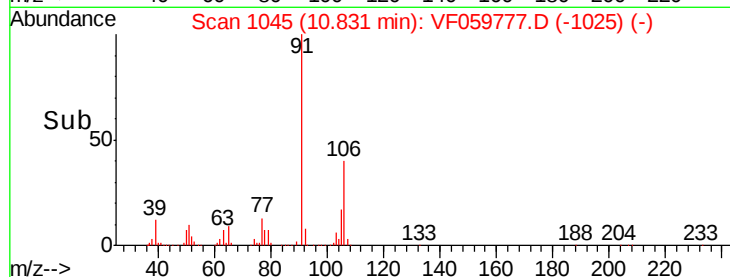
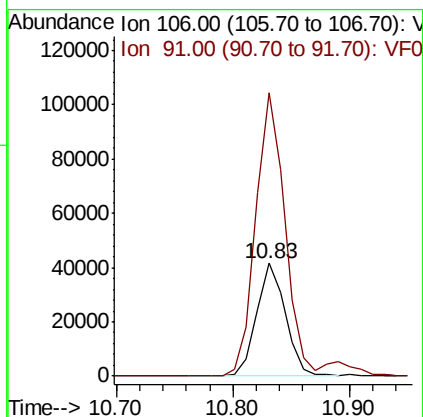
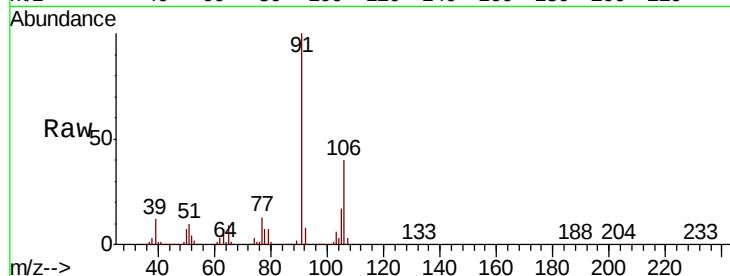
#69
o-Xylene
Concen: 23.71 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	250.8	124.6	373.7	

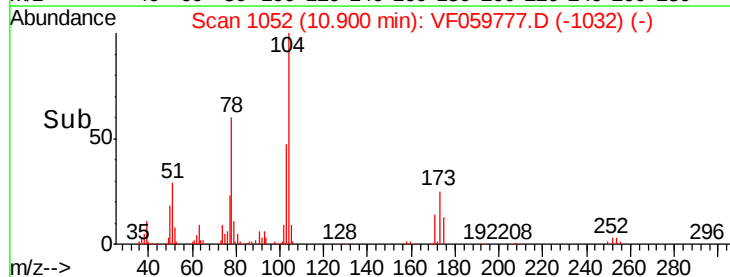
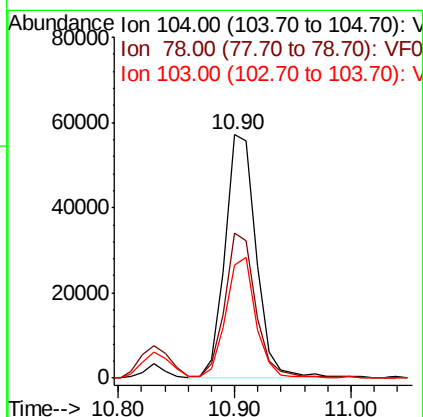
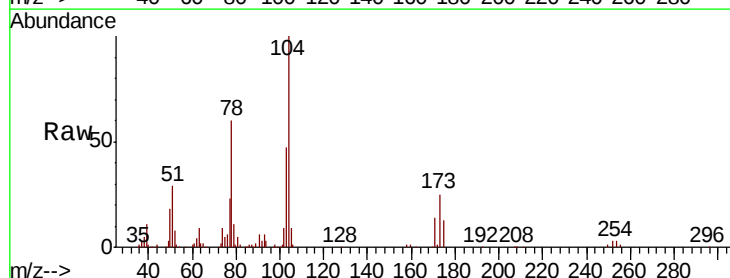
Manual Integrations
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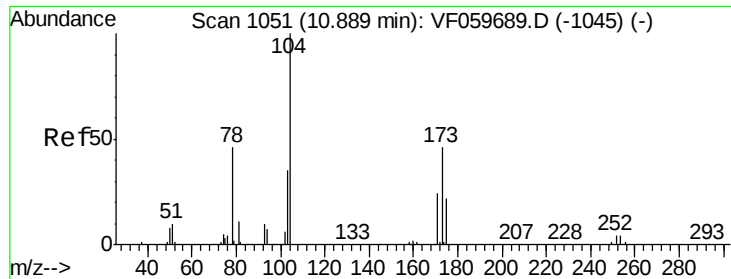
apatel
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#70
Styrene
Concen: 23.04 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	59.7	45.3	67.9	
103	46.6	36.6	54.8	





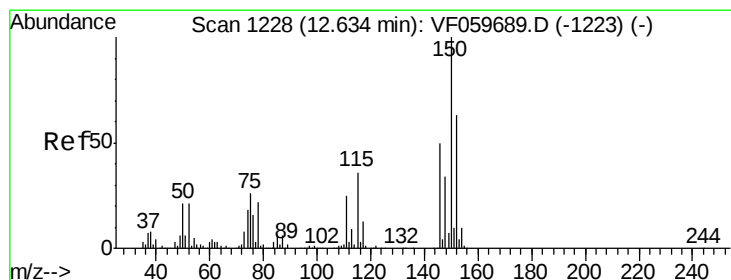
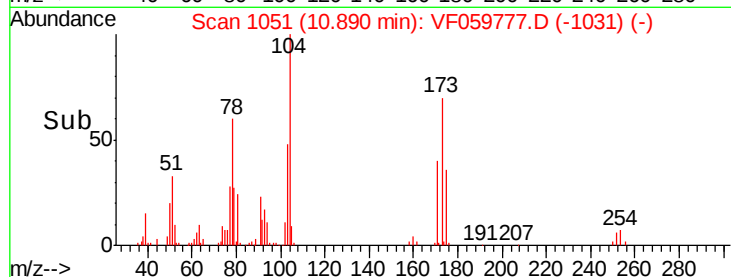
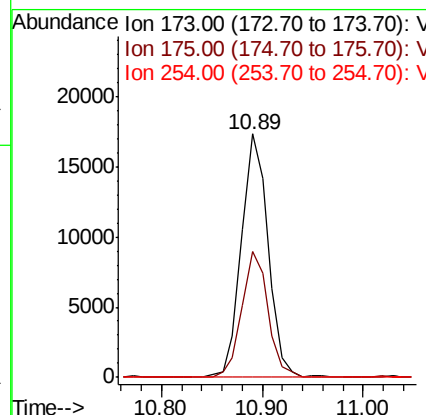
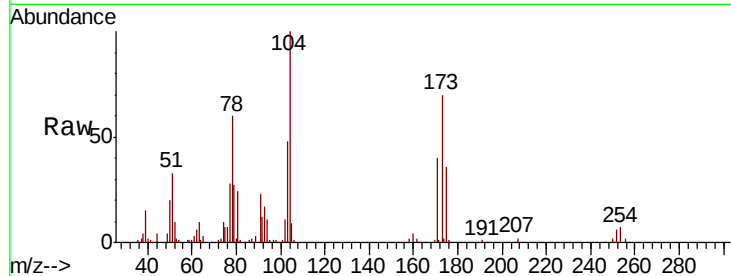
#71
Bromoform
Concen: 22.15 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.6	23.4	70.0
254	0.0	0.0	0.0

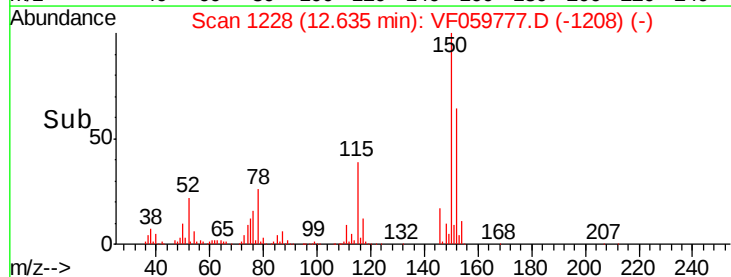
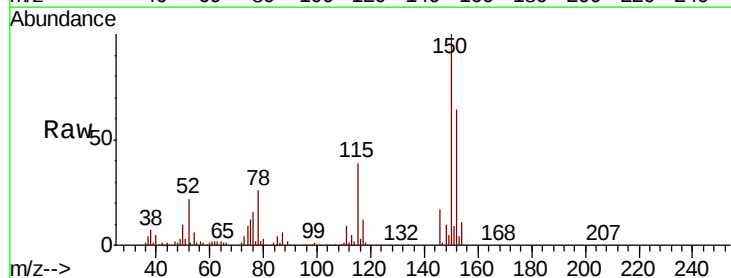
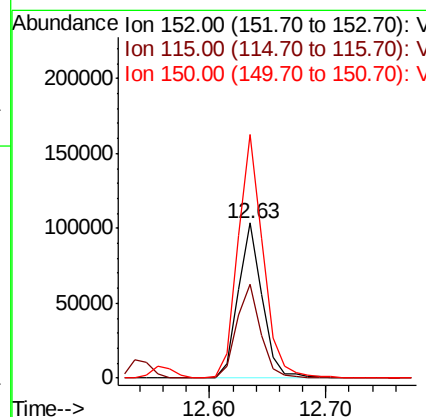
Manual Integrations
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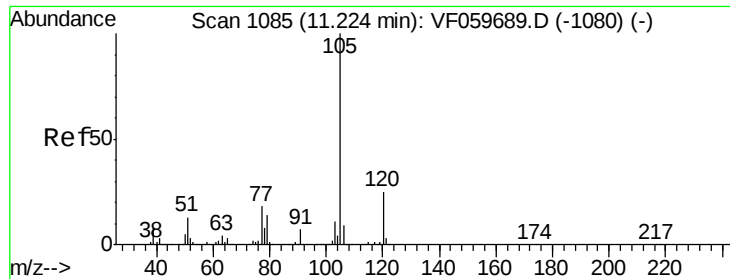
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	28.2	84.6
150	157.2	0.0	316.2





#73

Isopropylbenzene

Concen: 23.93 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion:105 Resp: 232857

Ion Ratio Lower Upper

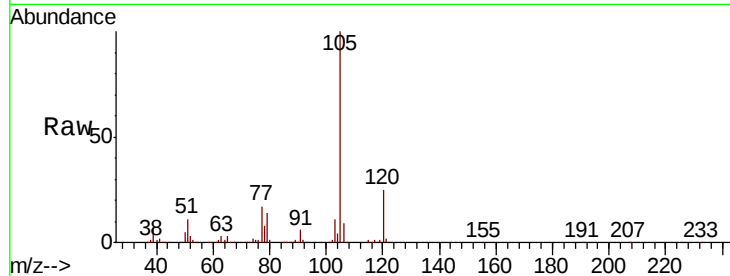
105 100

120 25.0 12.4 37.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

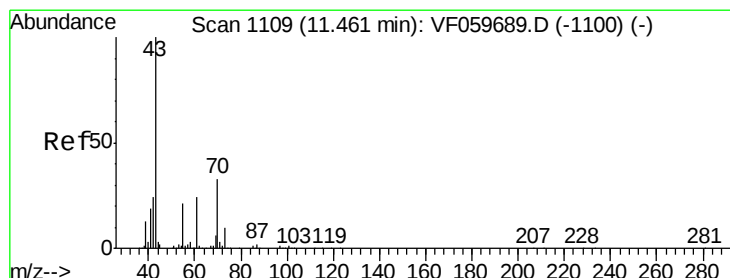
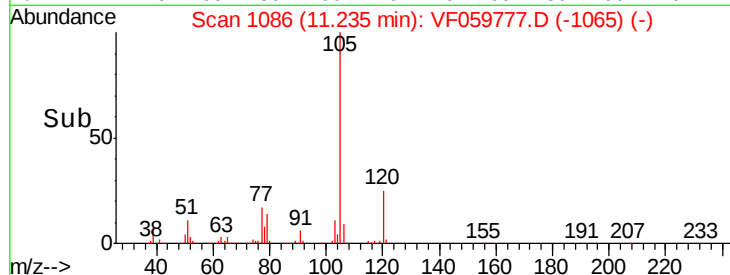
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 19.79 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion: 43 Resp: 48598

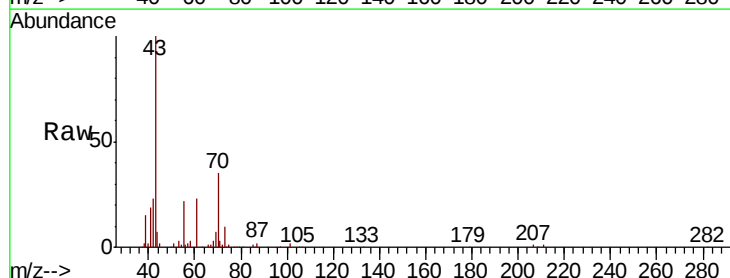
Ion Ratio Lower Upper

43 100

70 35.1 26.3 39.5

55 22.4 16.6 25.0

61 23.4 19.1 28.7



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

40000

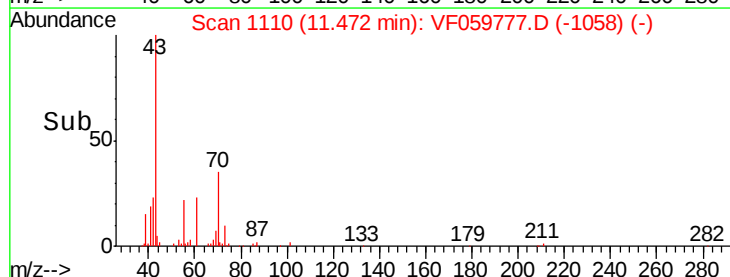
30000

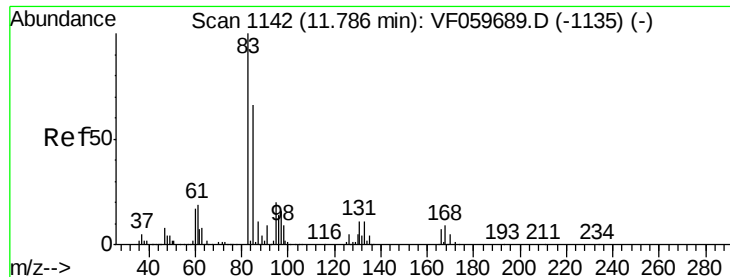
20000

10000

0

Time--> 11.40 11.45 11.50 11.55





#75

1,1,2,2-Tetrachloroethane

Concen: 22.73 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

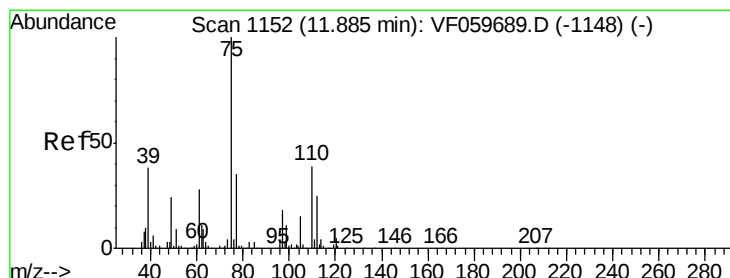
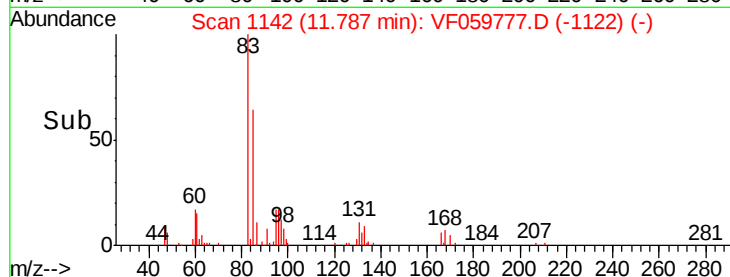
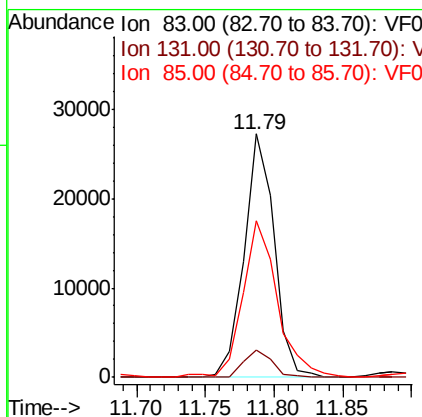
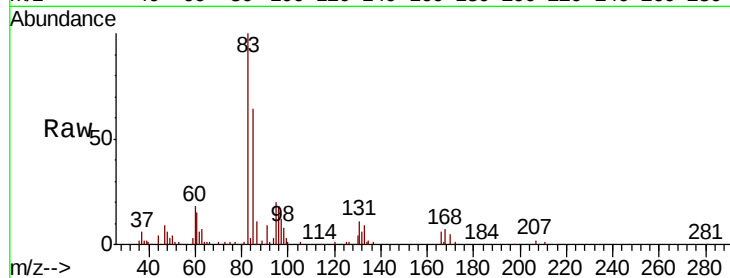
ClientSampleId :

VF0801SBSD02

Tot Ion:	83	Resp:	41644
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.3
85	64.2	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 23.65 ug/l

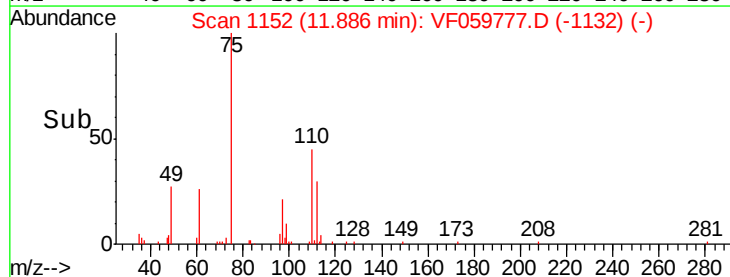
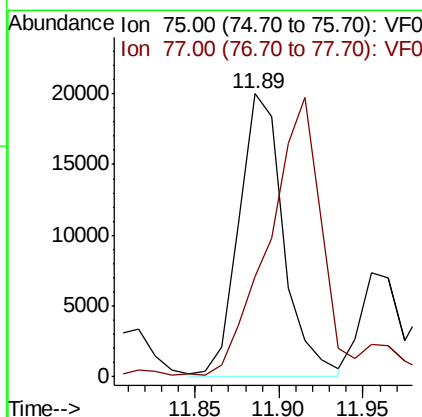
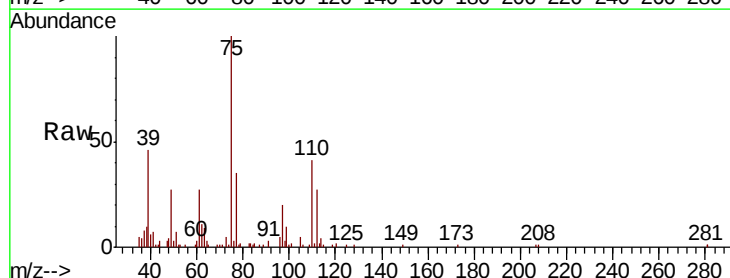
RT: 11.89 min Scan# 1152

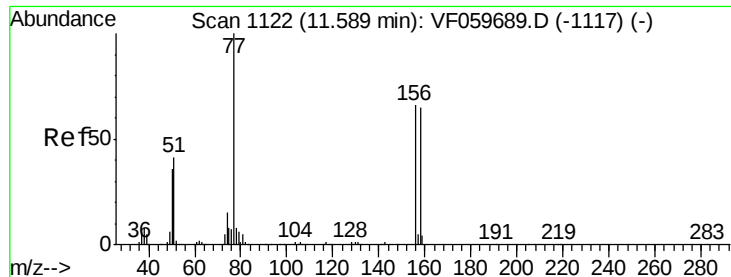
Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	75	Resp:	36845
Ion Ratio	Lower	Upper	
75	100		
77	35.4	18.0	54.0





#77

Bromobenzene

Concen: 23.36 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion:156 Resp: 59357

Ion Ratio Lower Upper

156 100

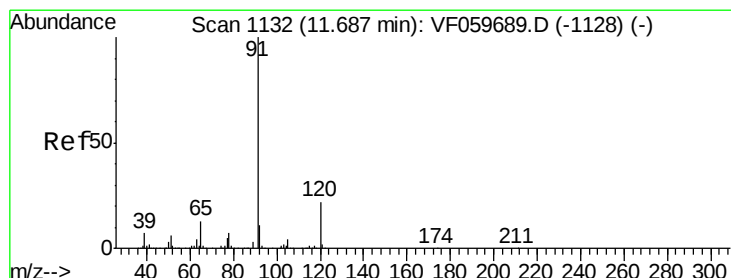
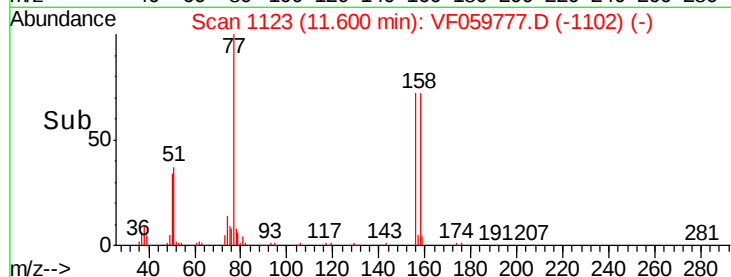
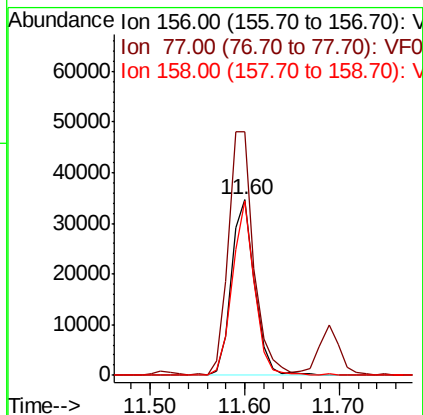
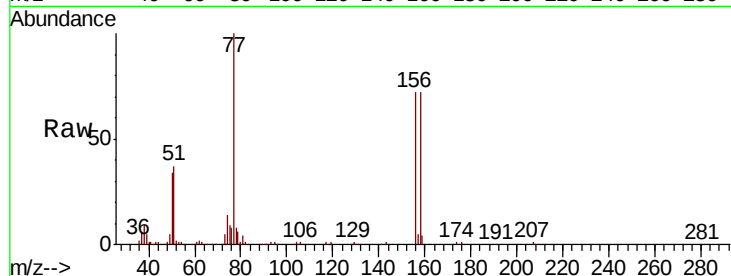
77 138.9 75.2 225.6

158 99.4 49.1 147.3

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#78

n-propylbenzene

Concen: 25.67 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059777.D

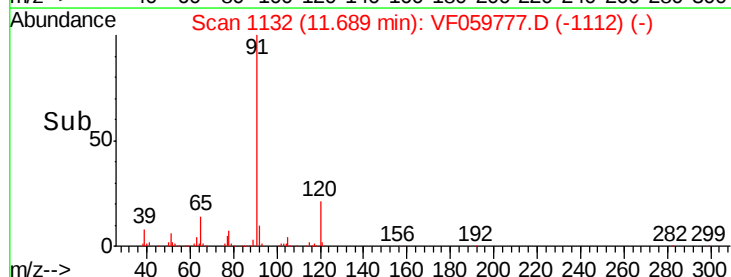
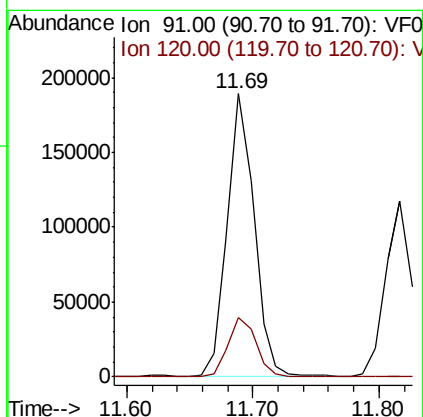
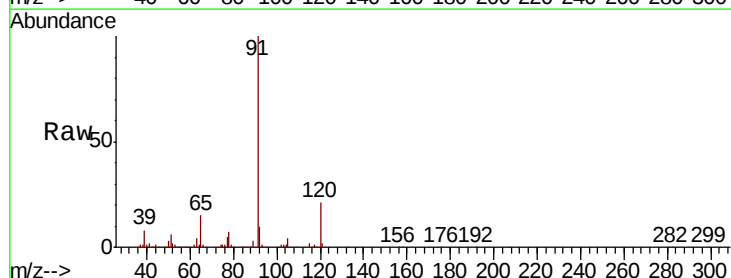
Acq: 2 Aug 2018 3:02

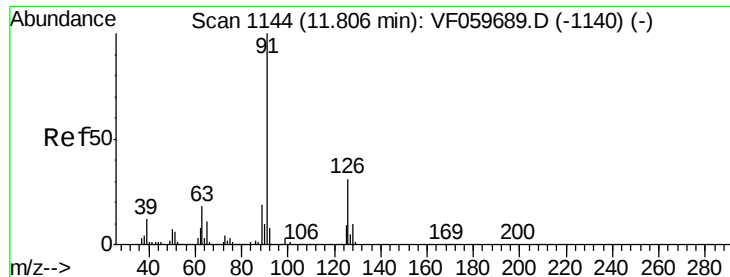
Tgt Ion: 91 Resp: 280385

Ion Ratio Lower Upper

91 100

120 20.8 11.0 33.0





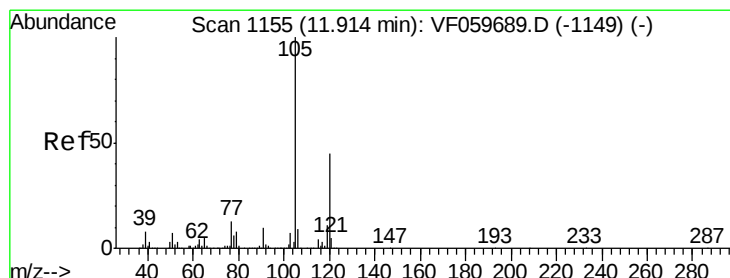
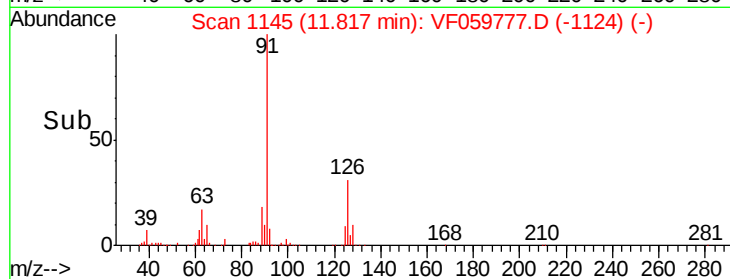
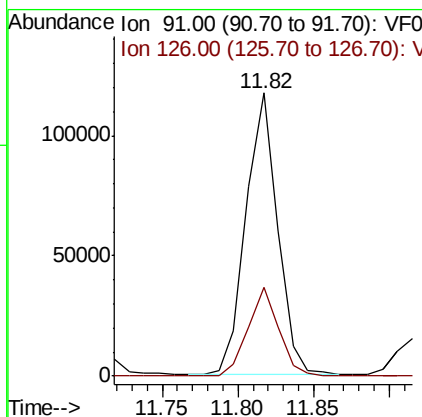
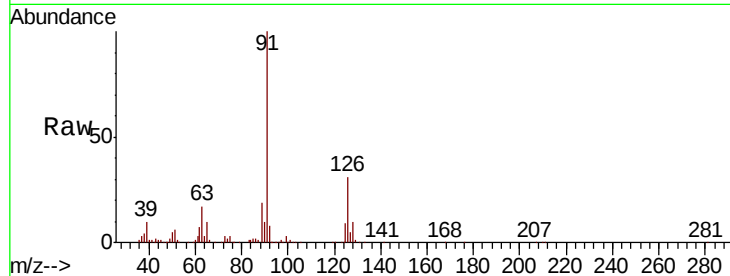
#79
 2-Chlorotoluene
 Concen: 25.21 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.2

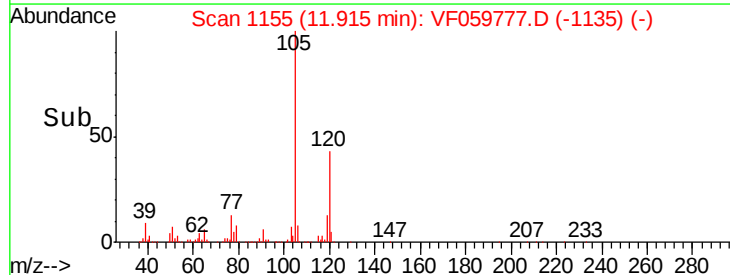
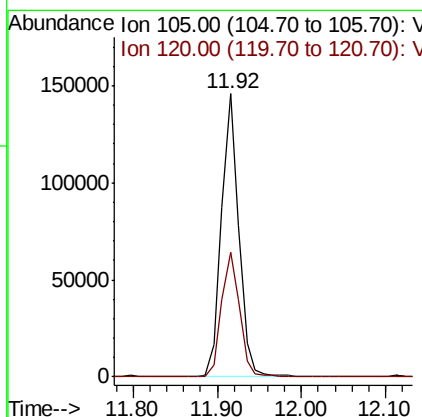
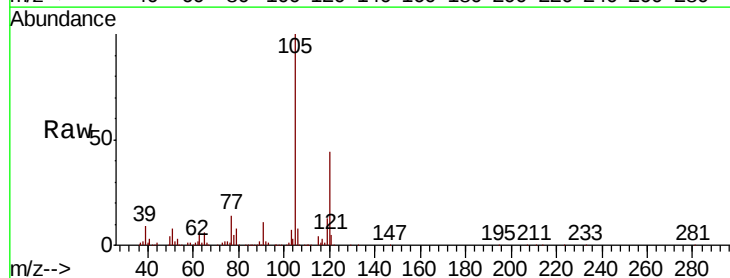
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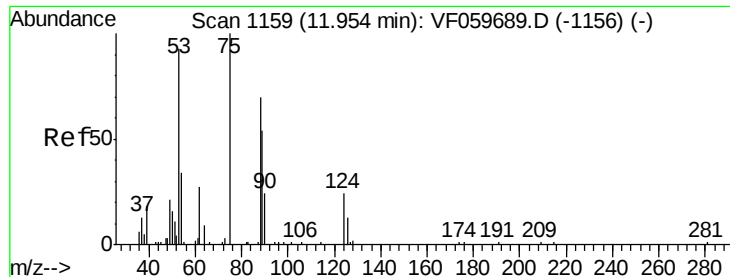
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.79 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.95 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

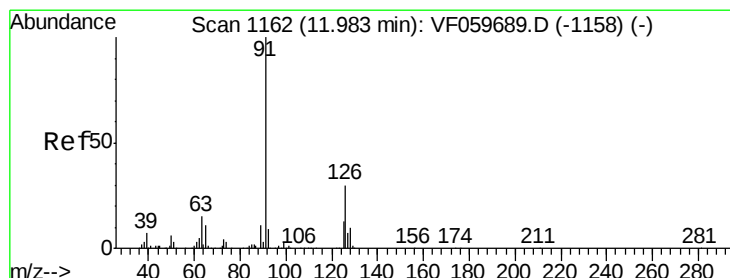
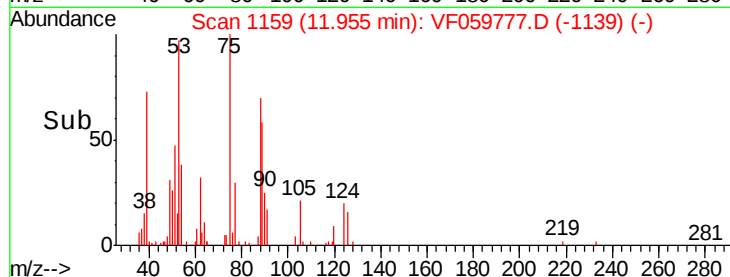
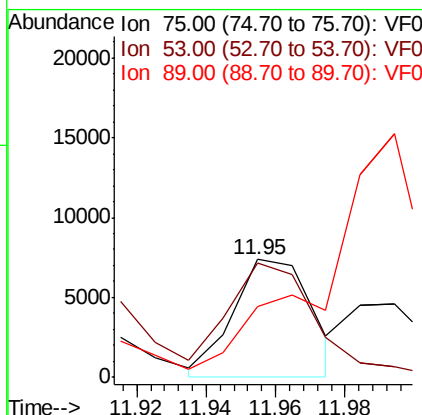
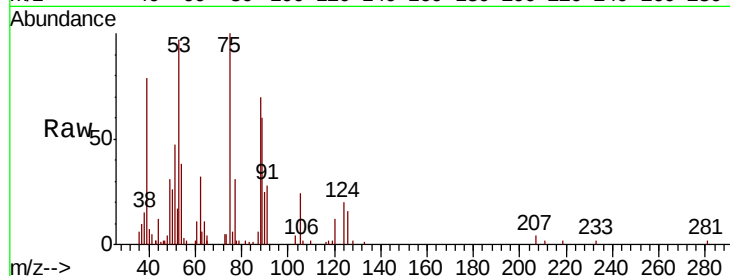
ClientSampleId :

VF0801SBSD02

Tot Ion:	75	Resp:	11577
Ion Ratio	Lower	Upper	
75	100		
53	96.7	78.3	117.5
89	59.8	45.4	68.2

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#82

4-Chlorotoluene

Concen: 25.08 ug/l

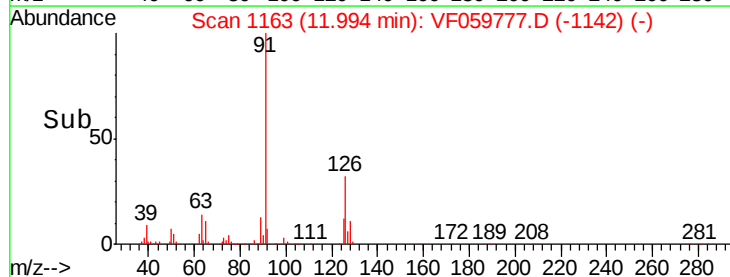
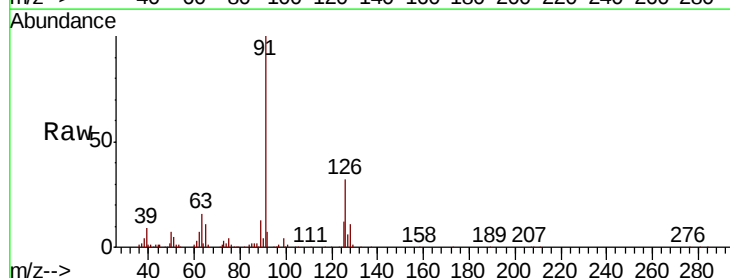
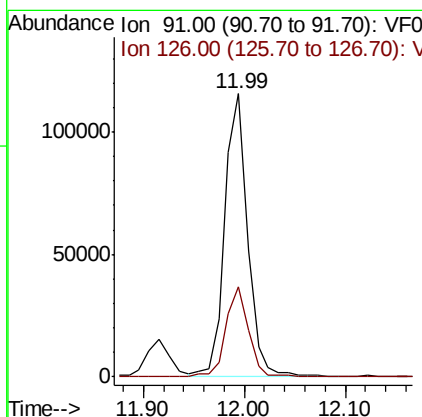
RT: 11.99 min Scan# 1163

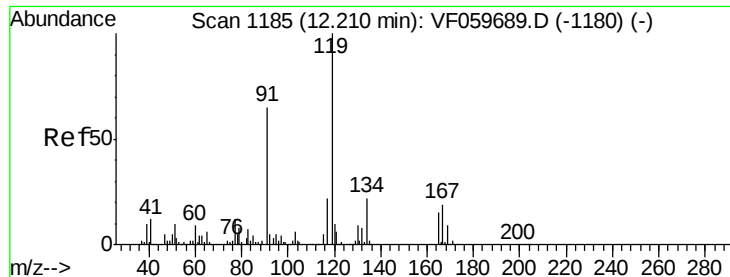
Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	91	Resp:	181593
Ion Ratio	Lower	Upper	
91	100		
126	31.7	15.2	45.6





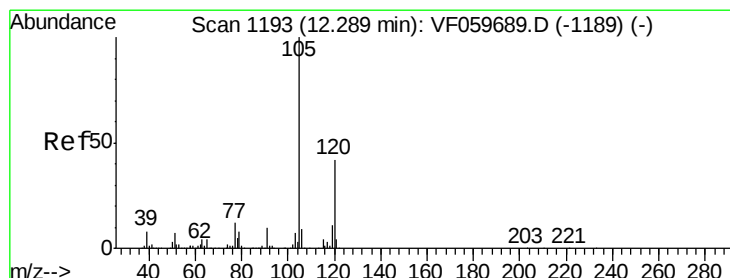
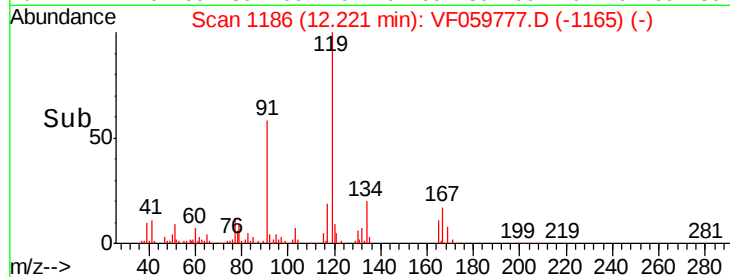
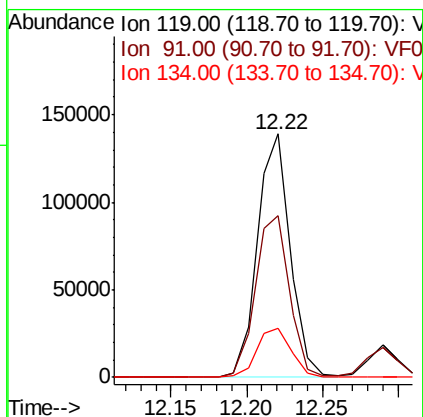
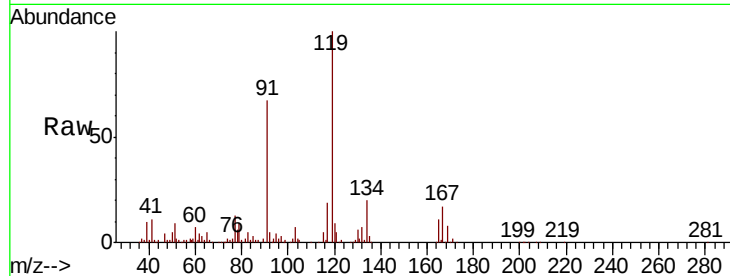
#83
tert-Butylbenzene
Concen: 24.12 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210757		
91	66.5	32.8	98.4	
134	20.2	10.9	32.7	

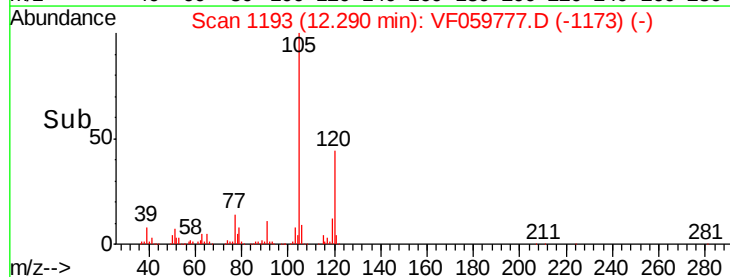
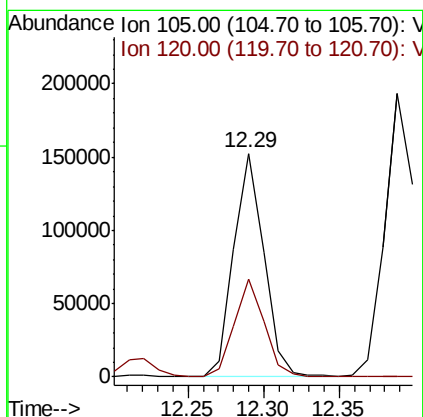
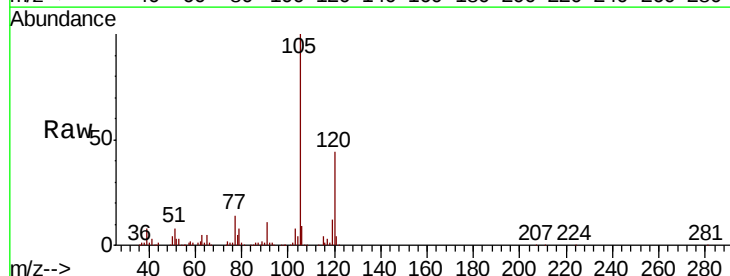
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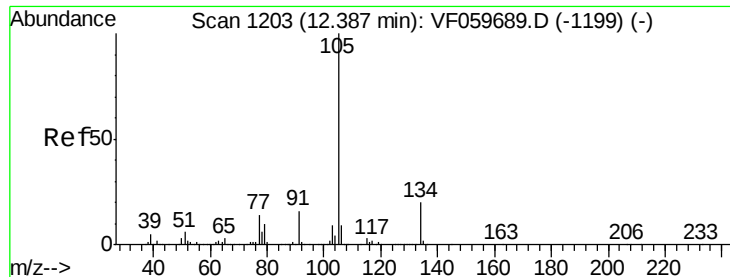
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#84
1,2,4-Trimethylbenzene
Concen: 24.88 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212742		
120	43.5	21.1	63.3	





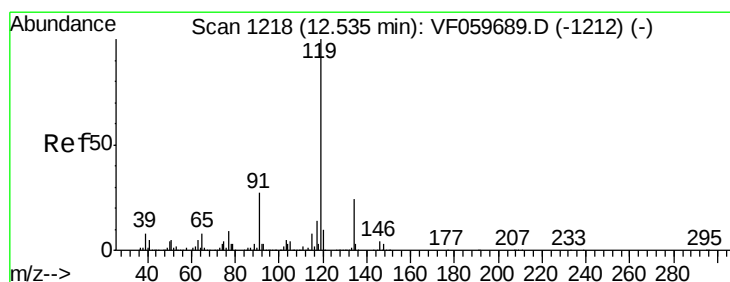
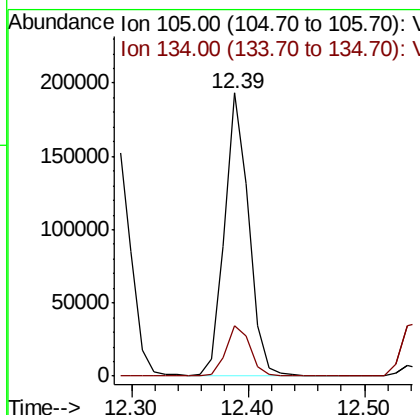
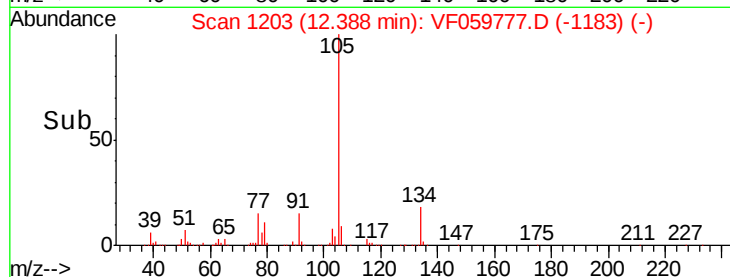
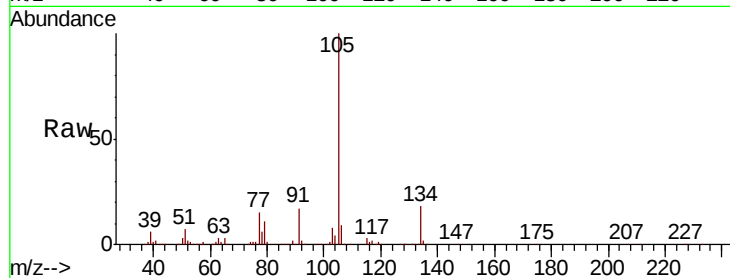
#85
 sec-Butylbenzene
 Concen: 25.16 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.9	9.8	29.3

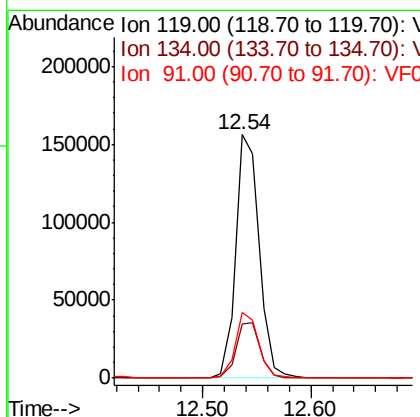
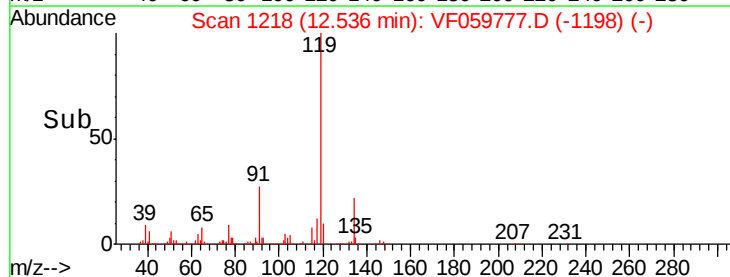
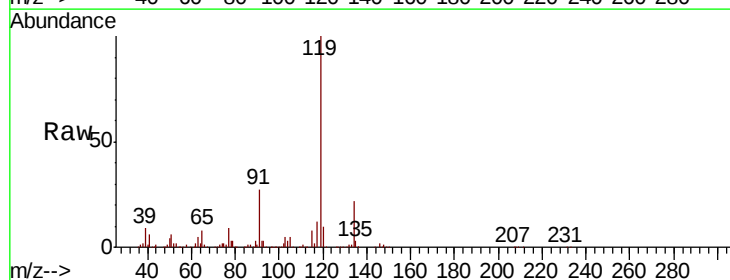
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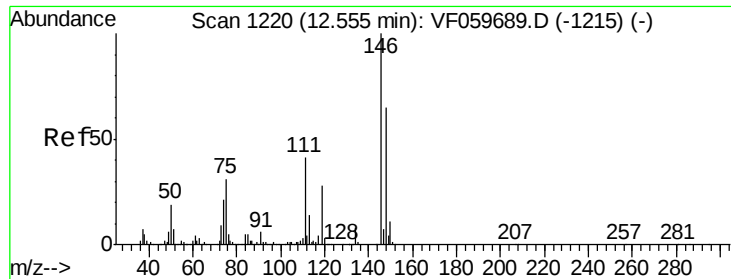
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#86
 p-Isopropyltoluene
 Concen: 24.29 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.1	12.2	36.6
91	26.7	13.4	40.2





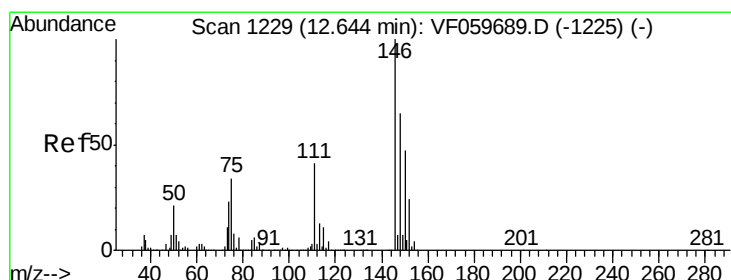
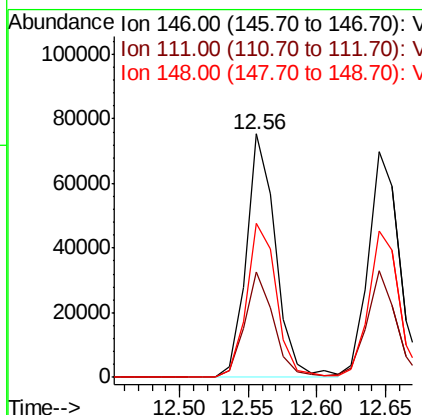
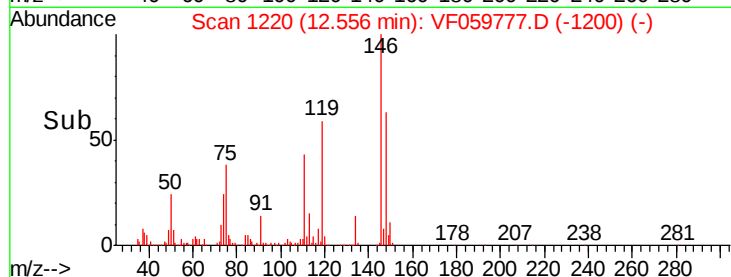
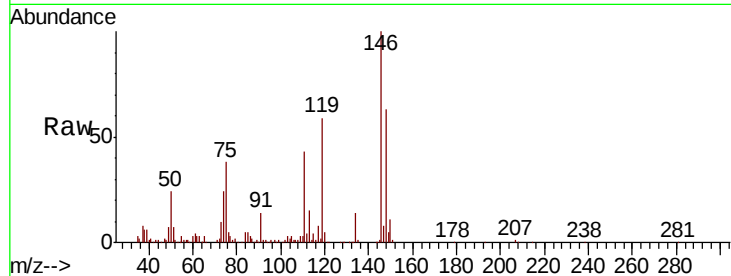
#87
 1,3-Dichlorobenzene
 Concen: 24.05 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.7	62.1
148	63.0	32.3	96.8

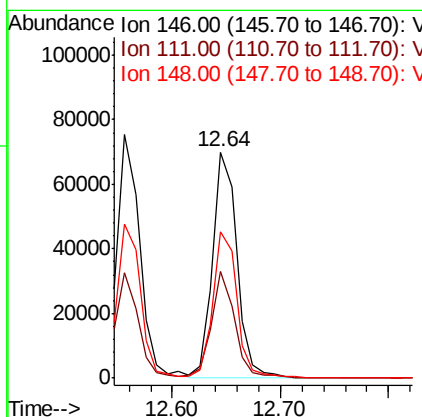
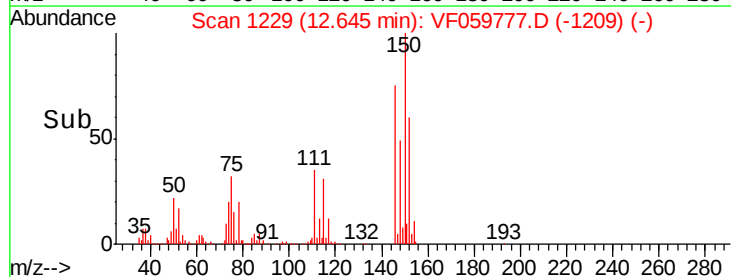
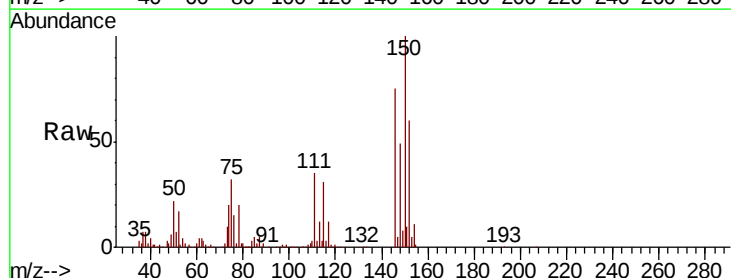
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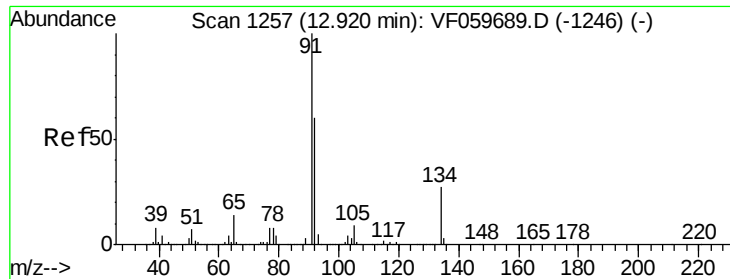
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#88
 1,4-Dichlorobenzene
 Concen: 24.24 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	20.8	62.2
148	64.9	32.3	96.9





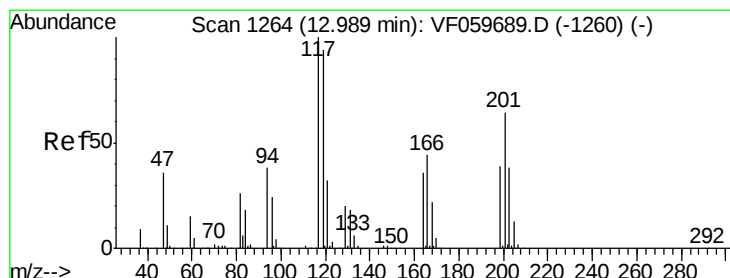
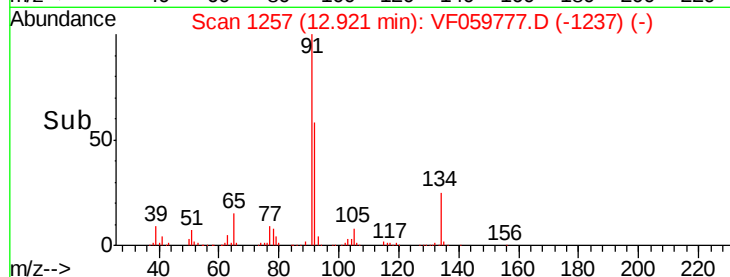
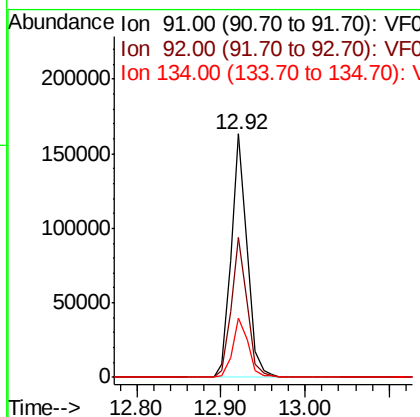
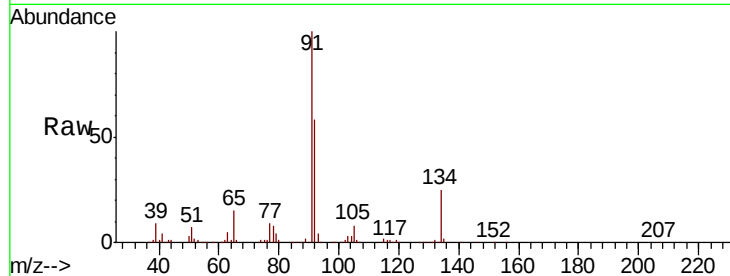
#89
n-Butylbenzene
Concen: 23.03 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	30.1	90.3
134	24.5	13.7	41.0

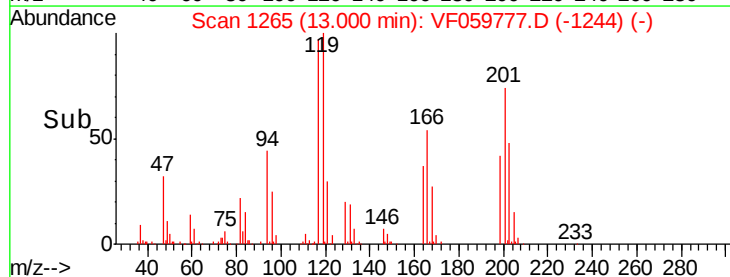
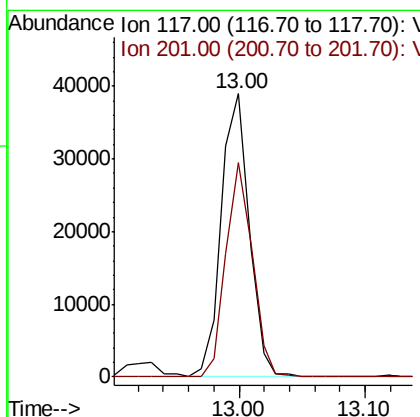
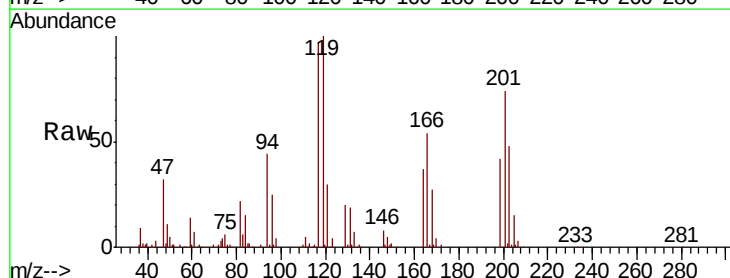
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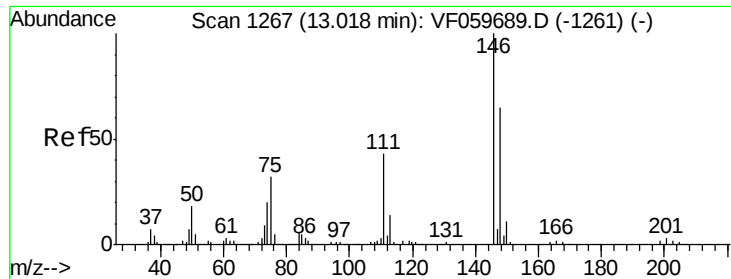
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#90
Hexachloroethane
Concen: 24.39 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059777.D
Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	31.9	95.5





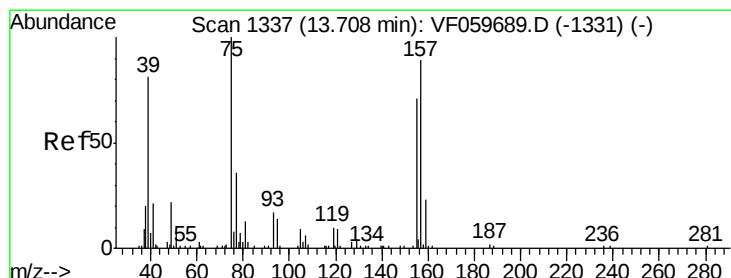
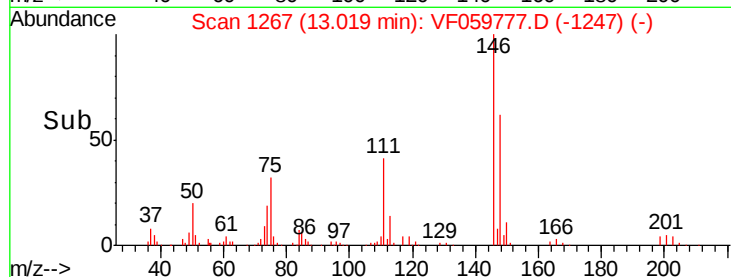
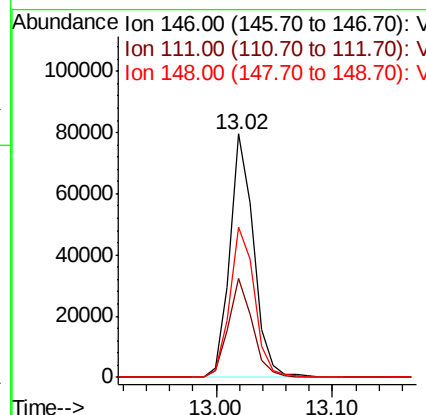
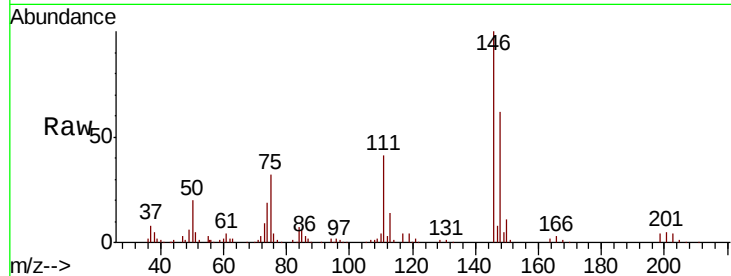
#91
 1,2-Dichlorobenzene
 Concen: 25.73 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.6	65.0
148	61.7	32.3	96.9

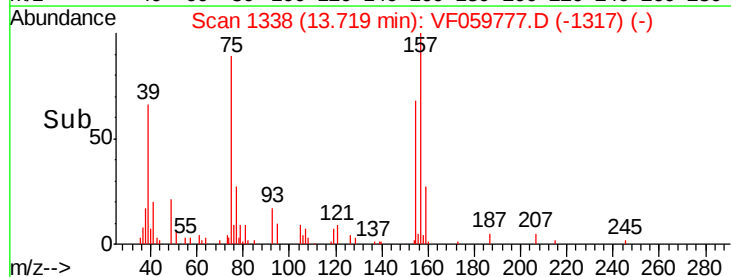
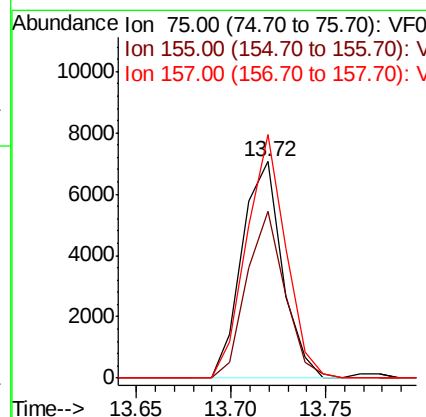
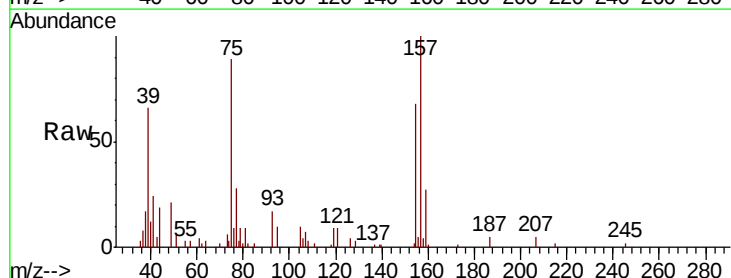
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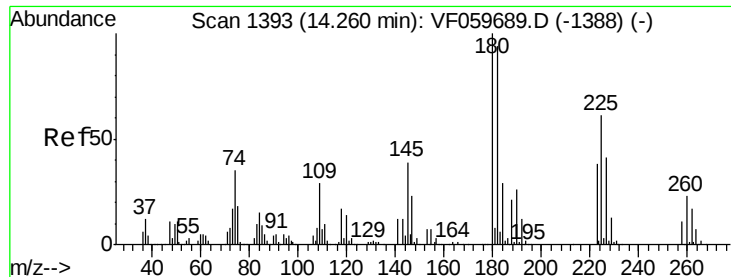
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.21 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	35.4	106.2
157	112.6	44.4	133.2





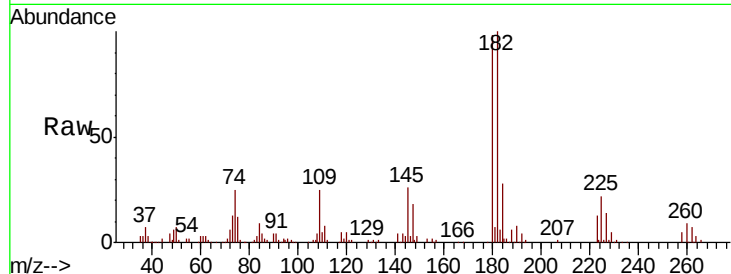
#93
 1,2,4-Trichlorobenzene
 Concen: 22.95 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	102.4	47.2	141.6	
145	27.1	19.3	57.9	

Manual Integrations
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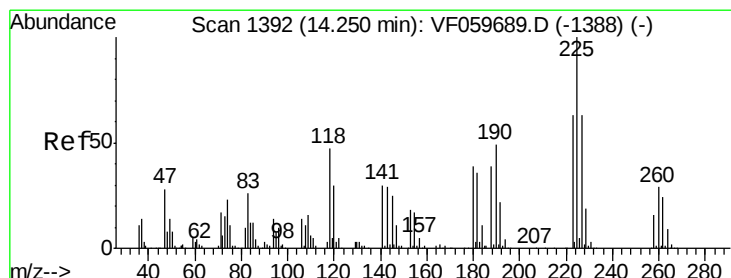
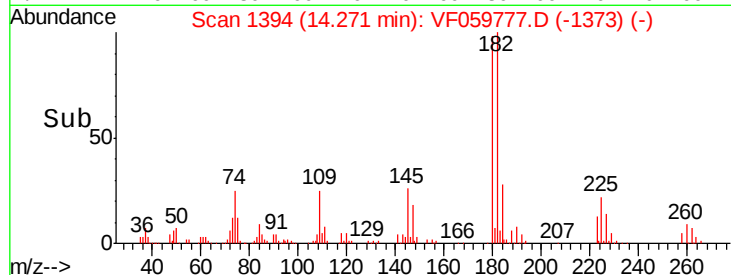
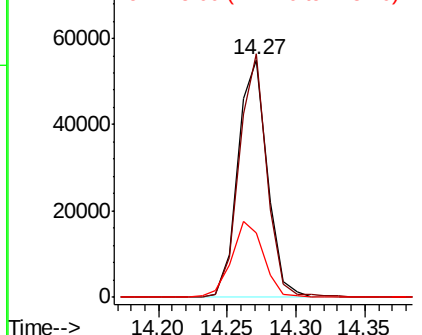


Abundance

Ion 180.00 (179.70 to 180.70): V

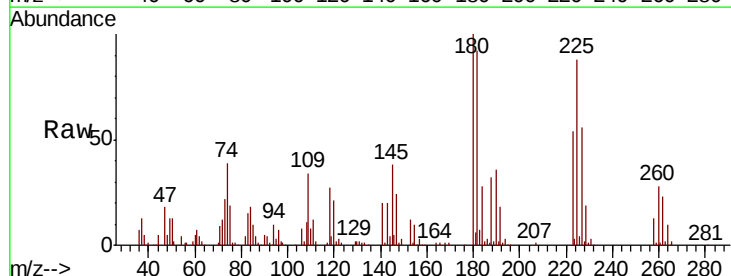
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 23.79 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059777.D
 Acq: 2 Aug 2018 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.4	94.2	
227	63.9	31.5	94.5	

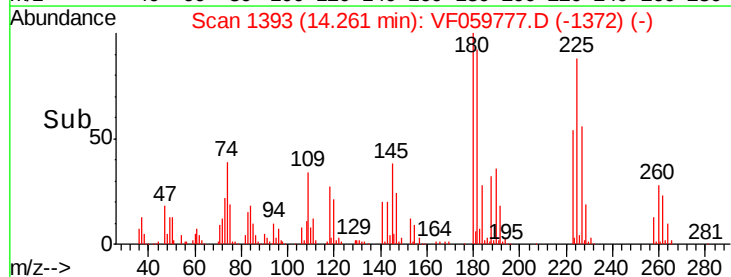
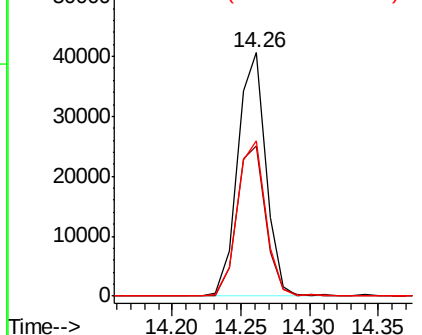


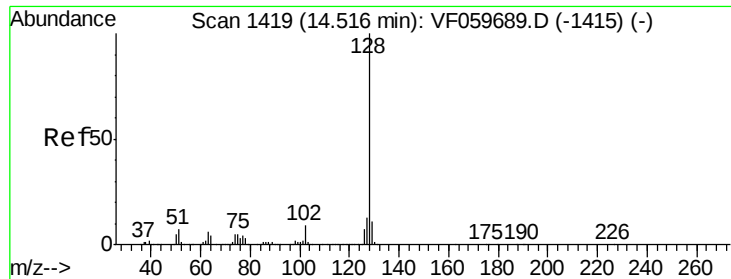
Abundance

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: 23.72 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Instrument :

MSVOA_F

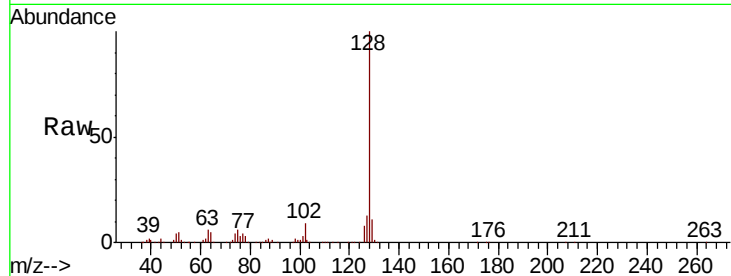
ClientSampleId :

VF0801SBS02

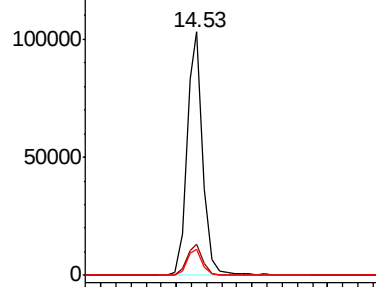
Tot Ion:	128	Resp:	151679
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.6	8.6	13.0

Manual Integrations
APPROVED

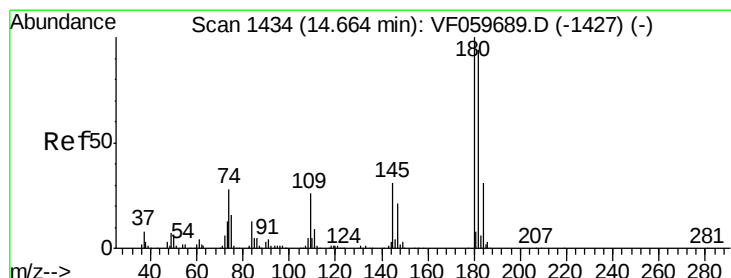
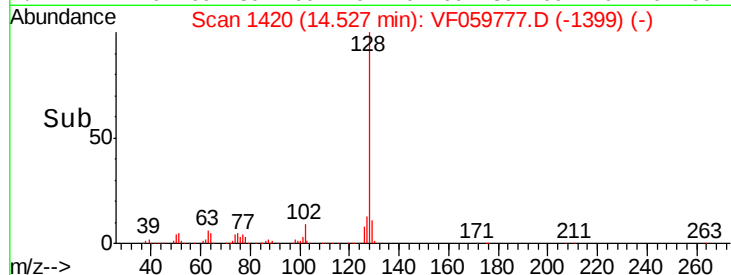
apatel
8/10/2018 3:51:14 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 23.33 ug/l

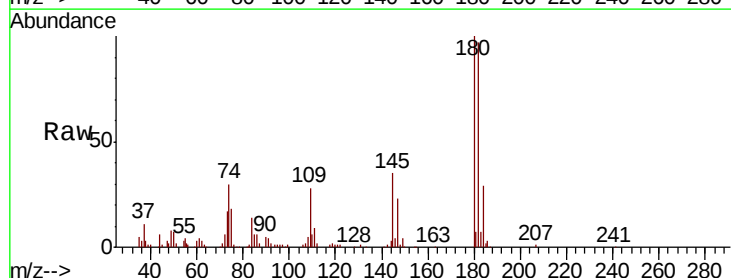
RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

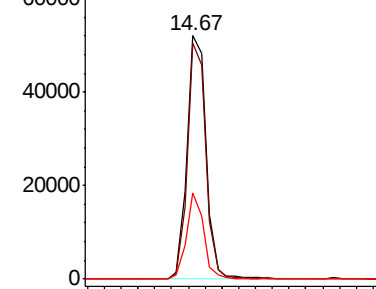
Lab File: VF059777.D

Acq: 2 Aug 2018 3:02

Tgt Ion:	180	Resp:	82448
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.2	141.6
145	35.3	15.6	46.7



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



Time-->

