

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059840.D
 Acq On : 3 Aug 2018 15:53
 Operator : VA/AP
 Sample : VF0803SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBSD01

Manual Integrations
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 8/6/2018 10:07:49 AM

Quant Time: Aug 03 16:21:54 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	199186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	289115	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	280142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	178917	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	179189	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	4.29	113	148558	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	7.70	98	348362	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.50	95	188575	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.99	85	58114	22.90	ug/l	93
3) Chloromethane	1.08	50	32179	25.40	ug/l #	87
4) Vinyl Chloride	1.15	62	31857	23.88	ug/l	92
5) Bromomethane	1.33	94	25125	22.47	ug/l	99
6) Chloroethane	1.41	64	18120	21.66	ug/l	90
7) Trichlorofluoromethane	1.53	101	69018m	18.55	ug/l	
8) Diethyl Ether	1.71	74	13178	20.72	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39977	20.52	ug/l	92
10) Methyl Iodide	1.96	142	68833	23.05	ug/l	95
11) Tert butyl alcohol	2.70	59	15584	107.13	ug/l	96
12) 1,1-Dichloroethene	1.85	96	34774	22.54	ug/l	90
13) Acrolein	2.09	56	5035	78.38	ug/l	97
14) Allyl chloride	2.19	41	55535	22.55	ug/l	82
15) Acrylonitrile	3.07	53	29859	129.12	ug/l	90
16) Acetone	2.34	43	66601	103.43	ug/l	98
17) Carbon Disulfide	1.88	76	82795	23.29	ug/l	95
18) Methyl Acetate	2.45	43	36914m	35.49	ug/l	
19) Methyl tert-butyl Ether	2.53	73	96448	20.50	ug/l	96
20) Methylene Chloride	2.31	84	35191m	20.94	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	31815	22.14	ug/l	83
22) Diisopropyl ether	2.93	45	115627	22.20	ug/l #	98
23) Vinyl Acetate	3.33	43	277318	103.57	ug/l	97
24) 1,1-Dichloroethane	3.00	63	78226	21.62	ug/l	98
25) 2-Butanone	4.50	43	73829	102.74	ug/l #	83
26) 2,2-Dichloropropane	3.75	77	51904	20.12	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	41506	21.42	ug/l	99
28) Bromochloromethane	3.88	49	30513	21.61	ug/l #	79
29) Tetrahydrofuran	4.25	42	32598	118.03	ug/l	98
30) Chloroform	4.03	83	108759	21.30	ug/l	98
31) Cyclohexane	3.86	56	44137	22.94	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	84240	21.27	ug/l	97
36) 1,1-Dichloropropene	4.45	75	67195	20.64	ug/l	97
37) Ethyl Acetate	4.30	43	34236	21.04	ug/l #	82
38) Carbon Tetrachloride	4.17	117	95925	20.87	ug/l	98

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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	5.62	83	52829	21.17	ug/l	96
40) Benzene	4.80	78	127417	21.82	ug/l	98
41) Methacrylonitrile	4.92	41	16306	20.76	ug/l	91
42) 1,2-Dichloroethane	5.12	62	83815	20.51	ug/l	99
43) Isopropyl Acetate	7.11	43	33914	19.62	ug/l #	91
44) Trichloroethene	5.67	130	47646	21.31	ug/l	76
45) 1,2-Dichloropropane	6.40	63	33899	21.99	ug/l	97
46) Dibromomethane	6.25	93	29422	20.10	ug/l #	82
47) Bromodichloromethane	6.55	83	79812	20.02	ug/l	97
48) Methyl methacrylate	6.87	41	26211	20.16	ug/l	87
49) 1,4-Dioxane	6.86	88	3703	419.90	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	136040	103.45	ug/l	97
52) Toluene	7.77	92	92768	22.41	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	71924	20.79	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	72539	21.65	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	32154	20.33	ug/l	93
56) Ethyl methacrylate	8.75	69	32724	19.84	ug/l	92
57) 1,3-Dichloropropane	8.99	76	56116	20.69	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	17957	94.31	ug/l	100
59) 2-Hexanone	9.62	43	104560	99.22	ug/l	90
60) Dibromochloromethane	8.86	129	55538	19.90	ug/l	96
61) 1,2-Dibromoethane	9.13	107	39474	21.38	ug/l	97
64) Tetrachloroethene	8.30	164	48292	23.16	ug/l	92
65) Chlorobenzene	9.94	112	123184	21.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	57131	21.84	ug/l	98
67) Ethyl Benzene	10.03	91	218741	22.56	ug/l	98
68) m/p-Xylenes	10.26	106	147742	44.38	ug/l	99
69) o-Xylene	10.82	106	78762	22.05	ug/l	97
70) Styrene	10.89	104	119039	21.99	ug/l	99
71) Bromoform	10.88	173	36219	21.24	ug/l	95
73) Isopropylbenzene	11.23	105	252801	21.53	ug/l	99
74) N-amyl acetate	11.45	43	60533	20.44	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	48070	21.75	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	35169	18.72	ug/l	95
77) Bromobenzene	11.59	156	64326	20.98	ug/l	91
78) n-propylbenzene	11.68	91	304198	22.53	ug/l	99
79) 2-Chlorotoluene	11.81	91	178097	20.97	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	229253	21.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	14875m	19.11	ug/l	
82) 4-Chlorotoluene	11.99	91	194581	21.79	ug/l	96
83) tert-Butylbenzene	12.21	119	229303	21.76	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	230823	21.88	ug/l	98
85) sec-Butylbenzene	12.38	105	299233	21.93	ug/l	94
86) p-Isopropyltoluene	12.54	119	267681	22.53	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	128165	22.38	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	121079	21.57	ug/l	98
89) n-Butylbenzene	12.91	91	256683	22.74	ug/l	97
90) Hexachloroethane	12.99	117	63385	21.41	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	122376	22.60	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10286	19.04	ug/l	76

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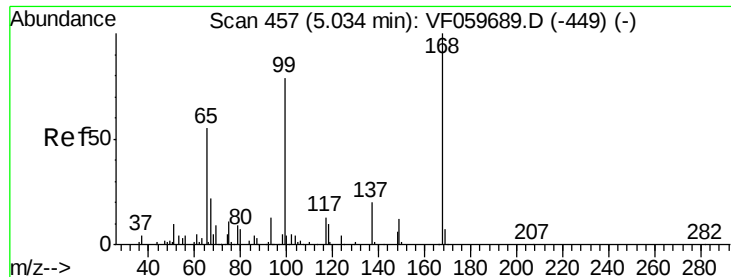
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	91400	20.64	µg/l	96
94) Hexachlorobutadiene	14.25	225	64209	21.88	µg/l	92
95) Naphthalene	14.52	128	167230	21.68	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	89138	20.91	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion:168 Resp: 199186

Ion Ratio Lower Upper

168 100

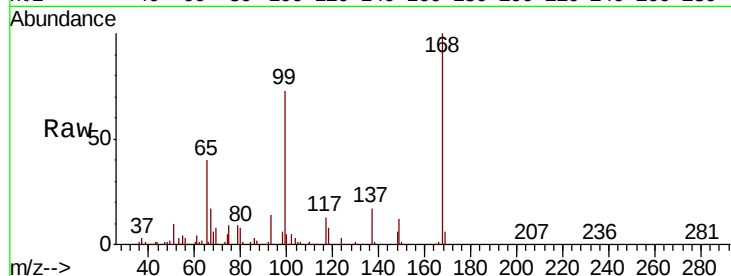
99 72.8 63.3 94.9

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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

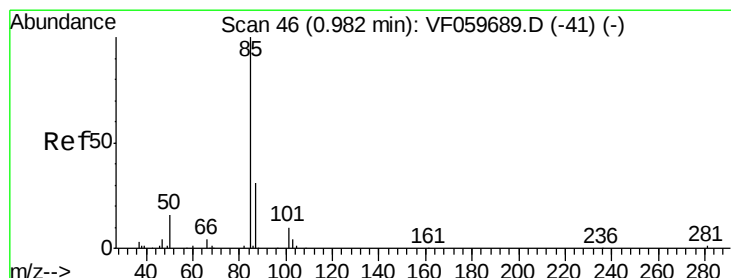
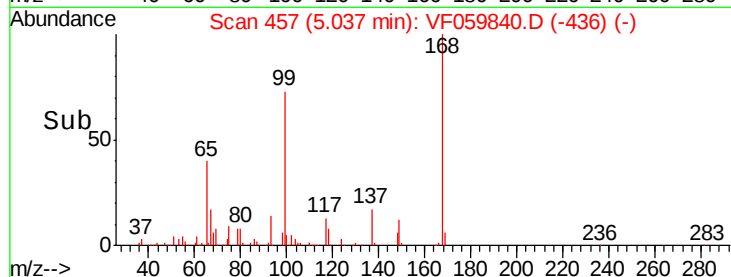
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.90 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059840.D

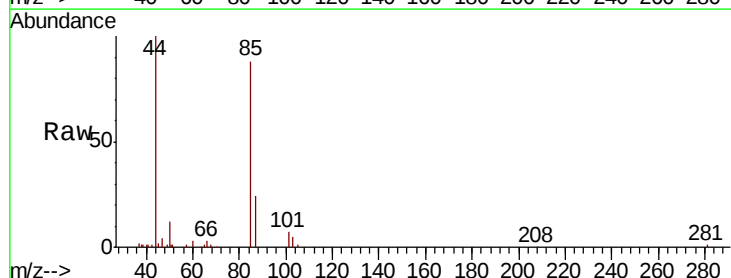
Acq: 3 Aug 2018 15:53

Tgt Ion: 85 Resp: 58114

Ion Ratio Lower Upper

85 100

87 26.7 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

15000

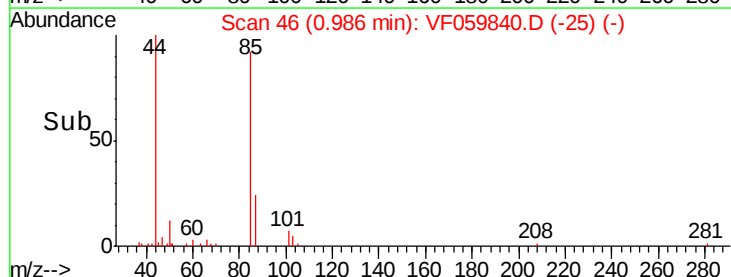
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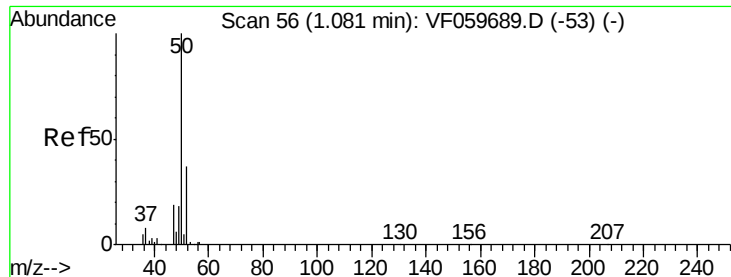
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 25.40 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 50 Resp: 32179

Ion Ratio Lower Upper

50 100

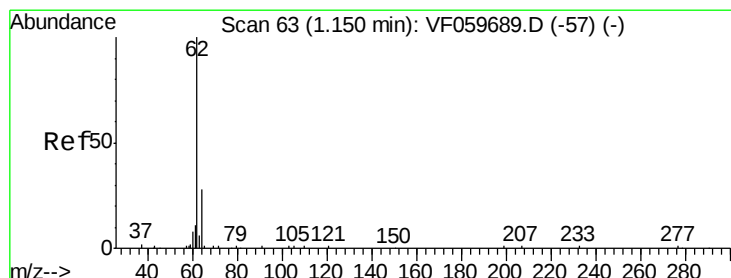
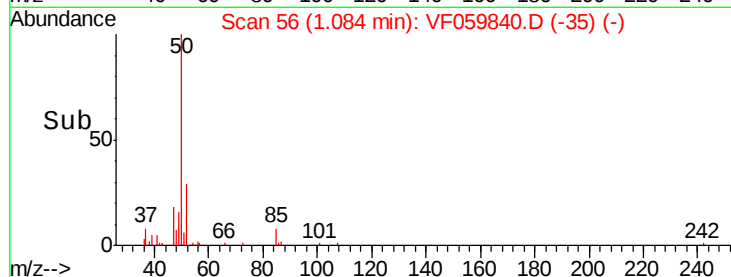
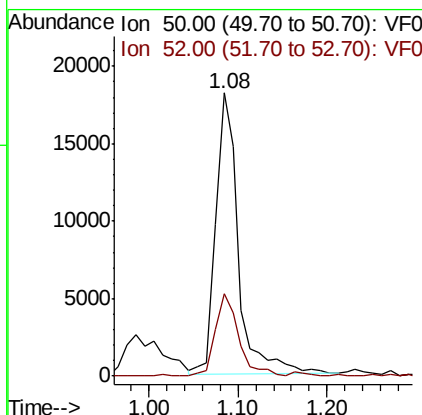
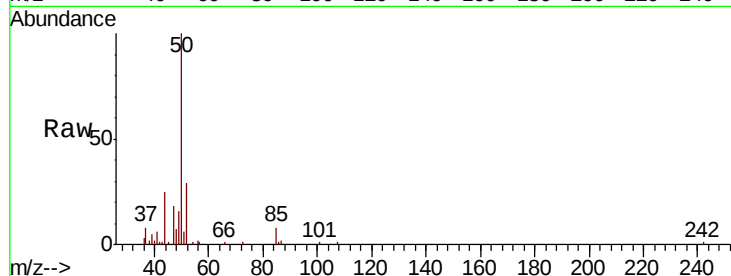
52 28.9 29.1 43.7#

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#4

Vinyl Chloride

Concen: 23.88 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059840.D

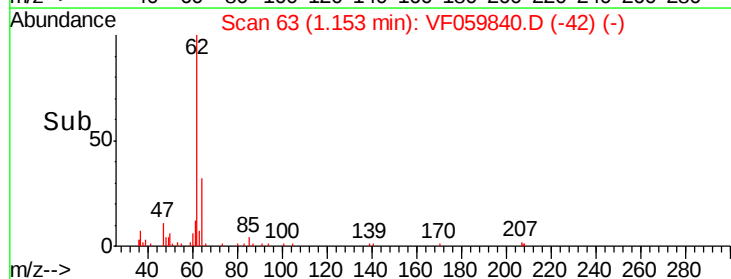
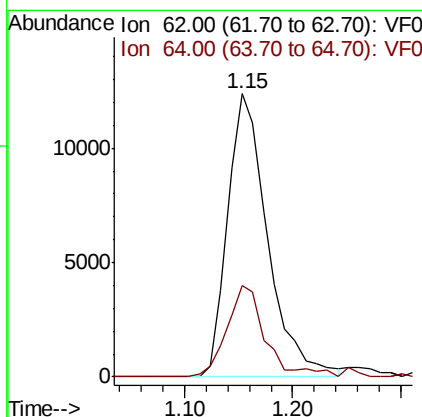
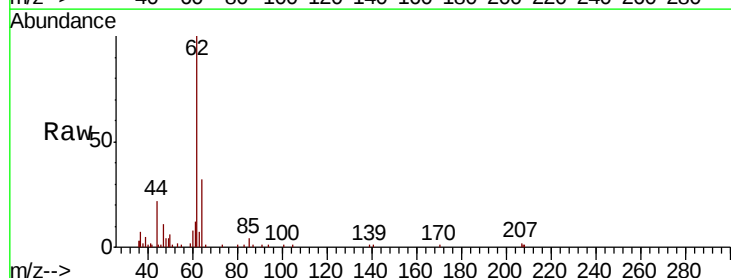
Acq: 3 Aug 2018 15:53

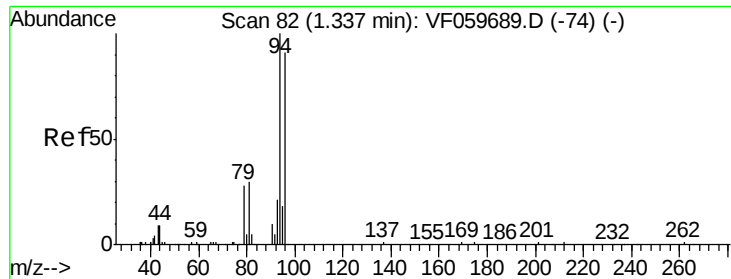
Tgt Ion: 62 Resp: 31857

Ion Ratio Lower Upper

62 100

64 32.5 22.6 33.8





#5

Bromomethane

Concen: 22.47 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

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ClientSampleId :

VF0803SBSD01

Tot Ion: 94 Resp: 25125

Ion Ratio Lower Upper

94 100

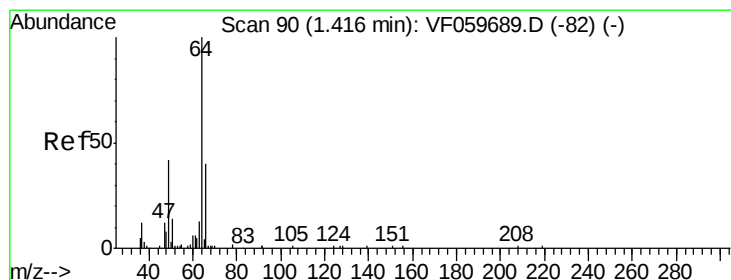
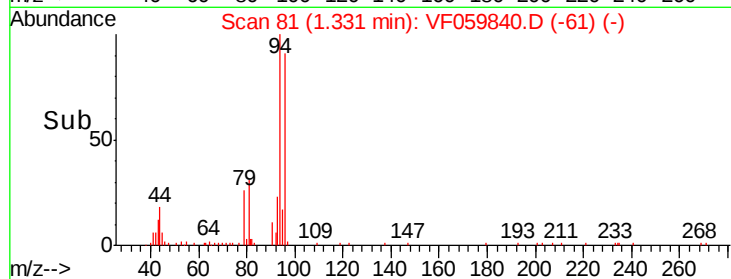
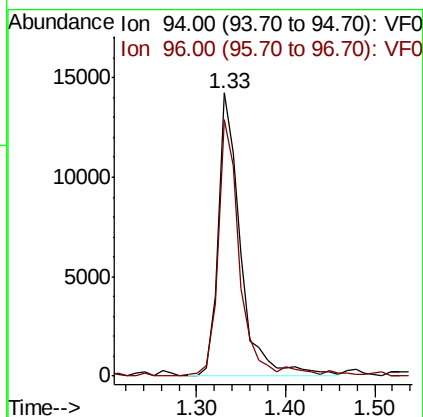
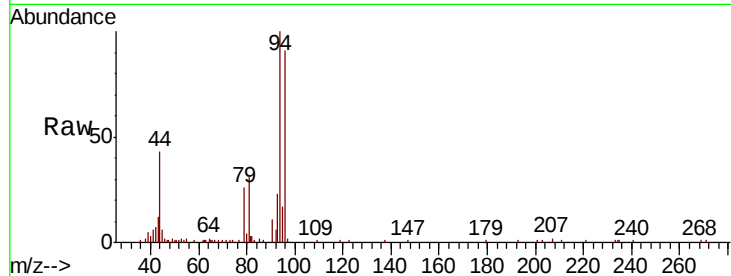
96 90.8 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 21.66 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059840.D

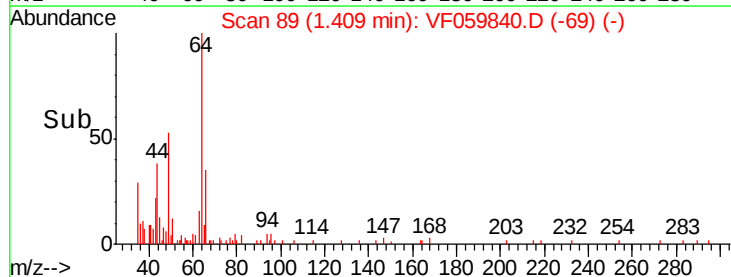
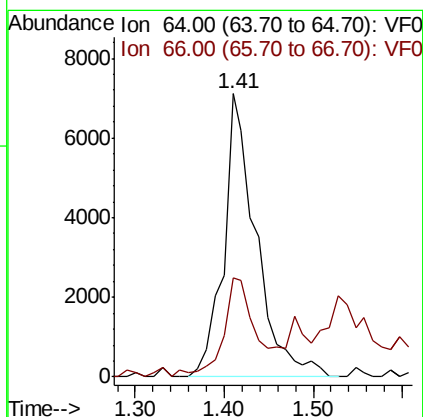
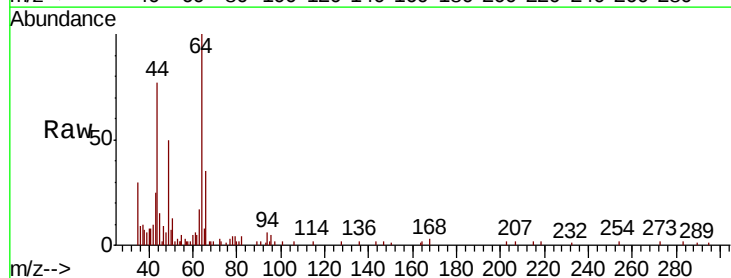
Acq: 3 Aug 2018 15:53

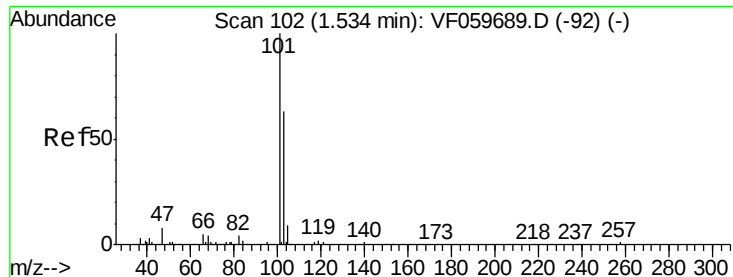
Tgt Ion: 64 Resp: 18120

Ion Ratio Lower Upper

64 100

66 34.8 32.6 49.0





#7

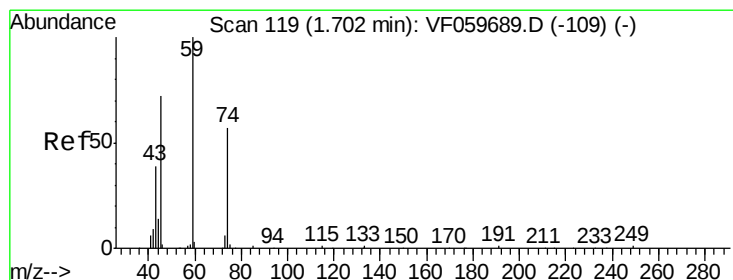
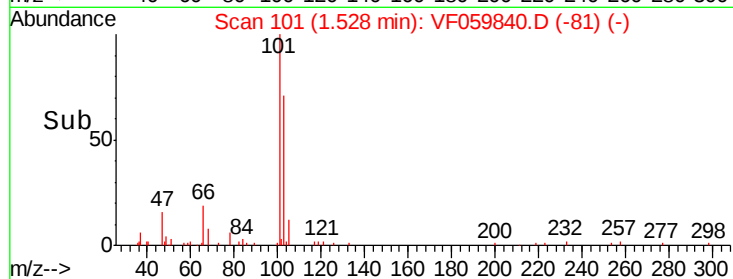
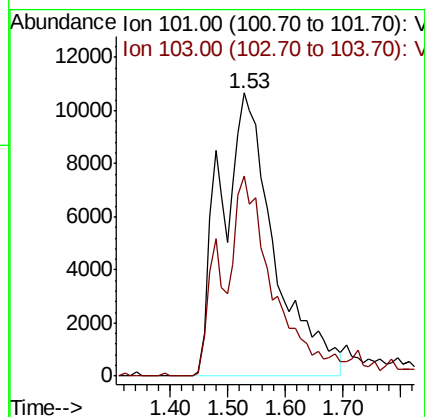
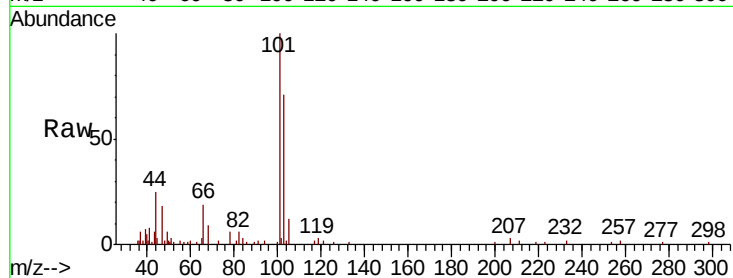
Trichlorofluoromethane
 Concen: 18.55 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
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 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.7	50.8	76.2

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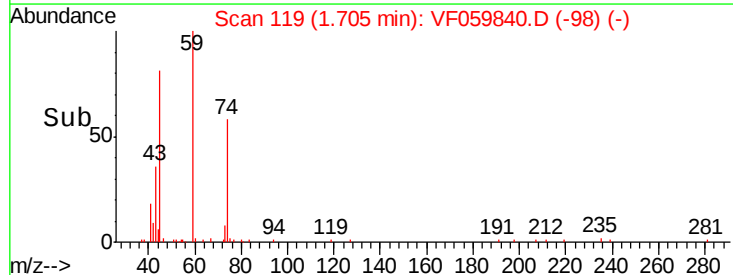
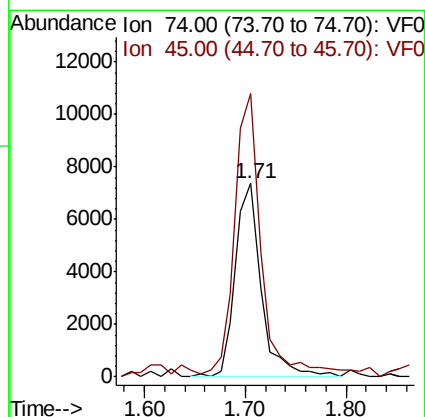
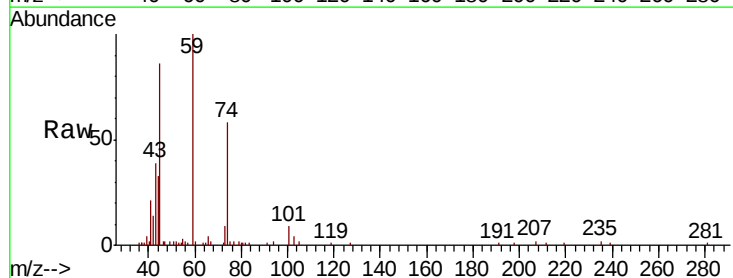
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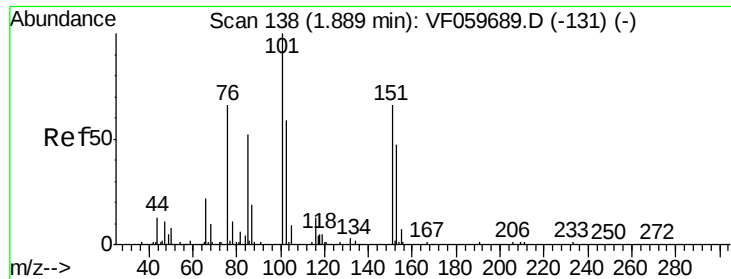


#8

Diethyl Ether
 Concen: 20.72 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.5	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.52 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

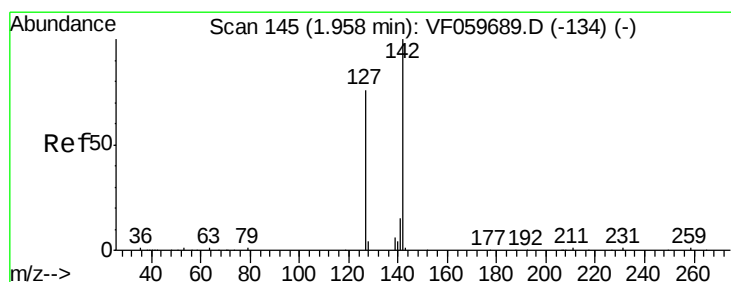
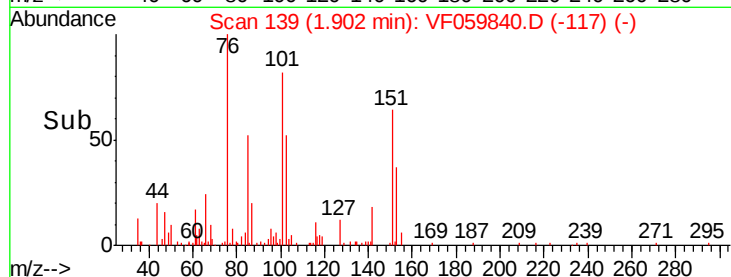
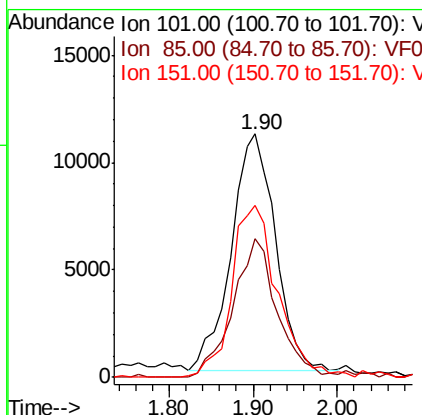
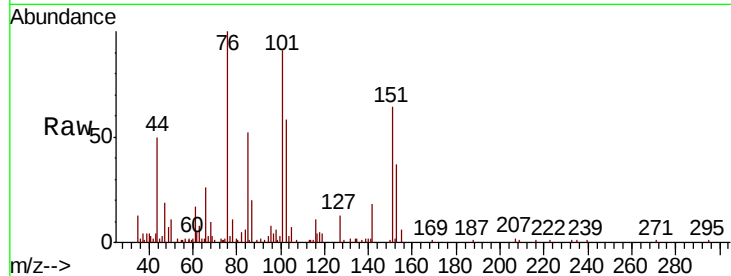
ClientSampleId :

VF0803SBS01

Tot Ion:	101	Resp:	39977
Ion Ratio	Lower	Upper	
101	100		
85	57.0	40.7	61.1
151	70.7	51.4	77.2

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#10

Methyl Iodide

Concen: 23.05 ug/l

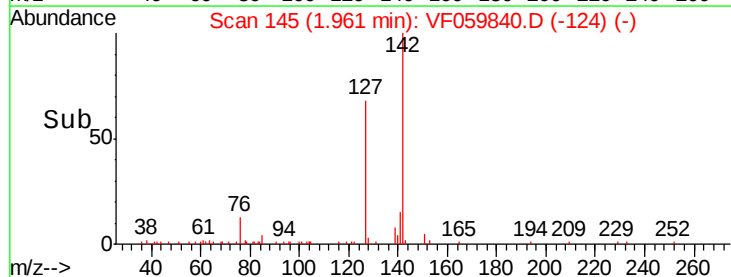
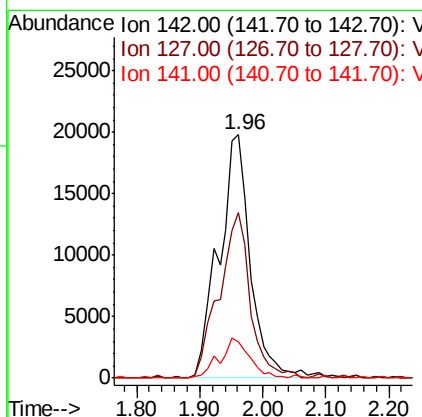
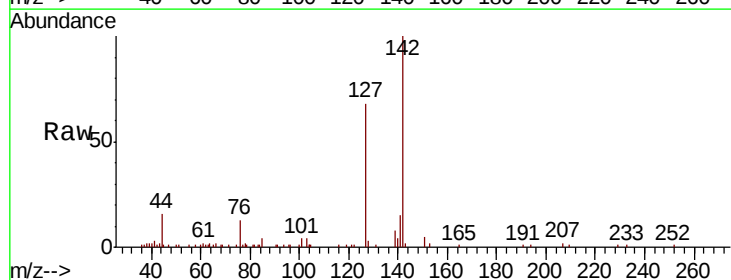
RT: 1.96 min Scan# 145

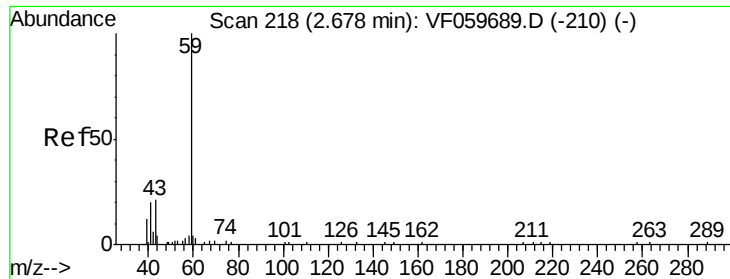
Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	142	Resp:	68833
Ion Ratio	Lower	Upper	
142	100		
127	70.6	60.6	91.0
141	14.7	12.0	18.0





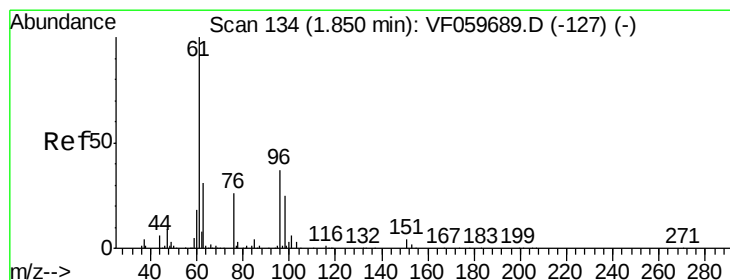
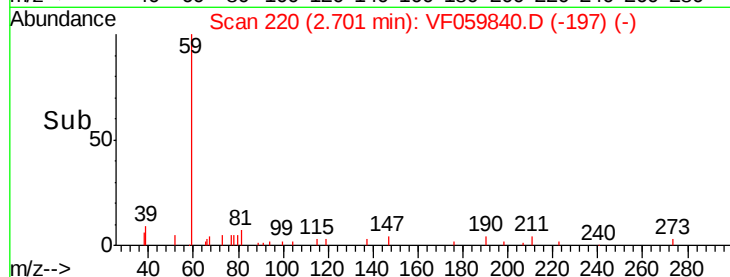
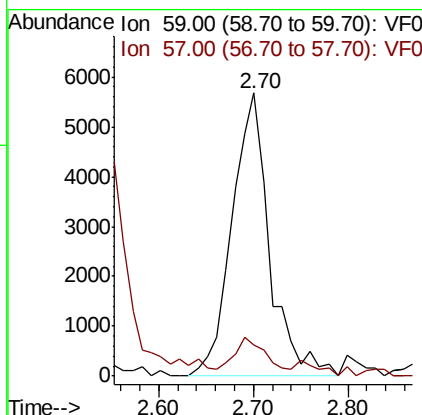
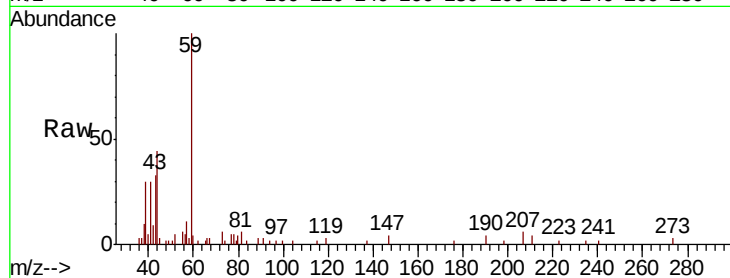
#11
Tert butyl alcohol
Concen: 107.13 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.6	11.4

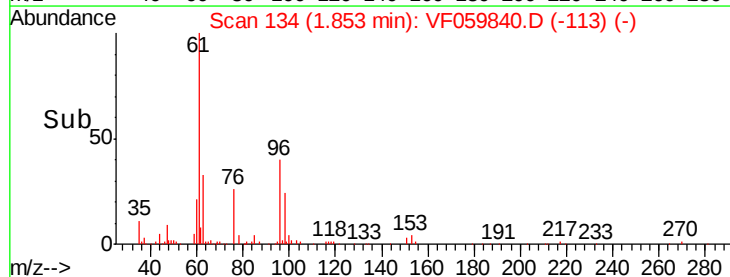
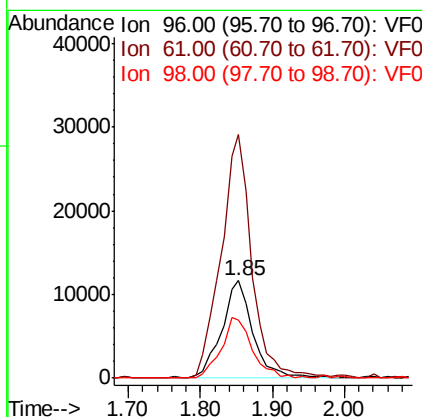
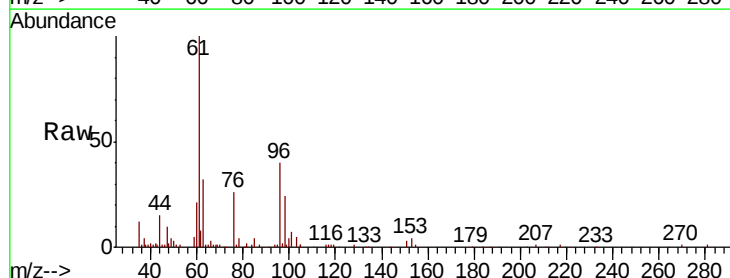
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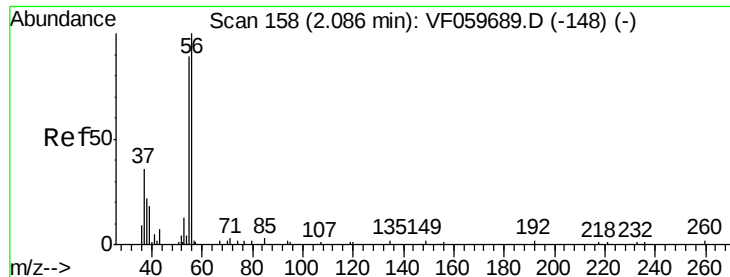
apatel
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#12
1,1-Dichloroethene
Concen: 22.54 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	250.3	215.1	322.7
98	60.2	54.3	81.5





#13

Acrolein

Concen: 78.38 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tot Ion: 56 Resp: 5035

Ion Ratio Lower Upper

56 100

55 94.6 73.2 109.8

Instrument :

MSVOA_F

ClientSampleId :

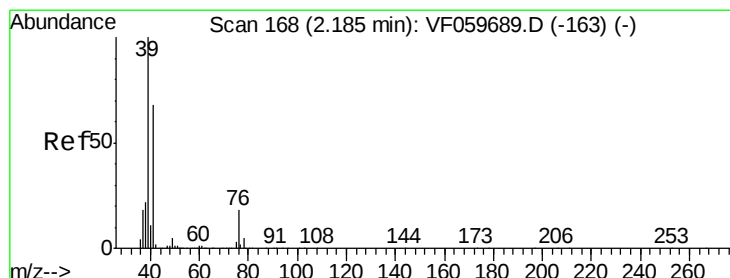
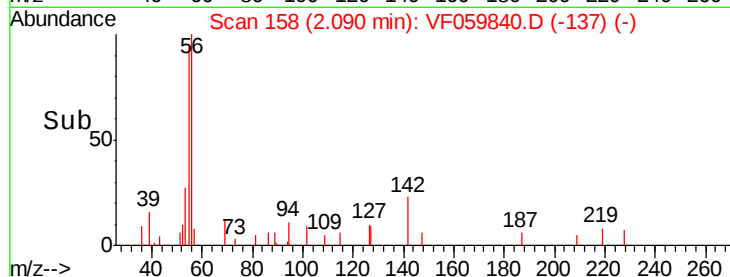
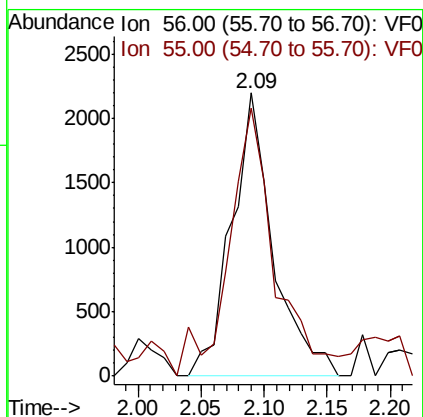
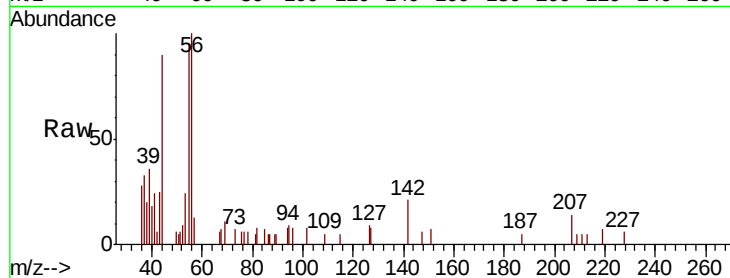
VF0803SBSD01

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#14

Allyl chloride

Concen: 22.55 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

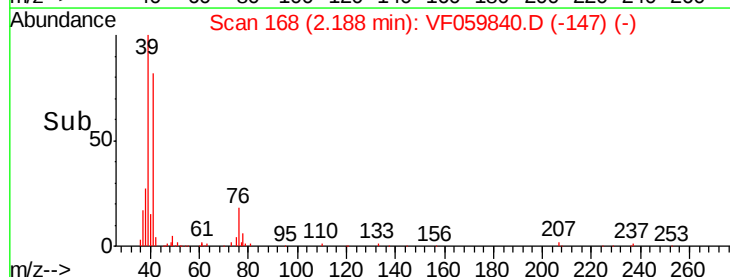
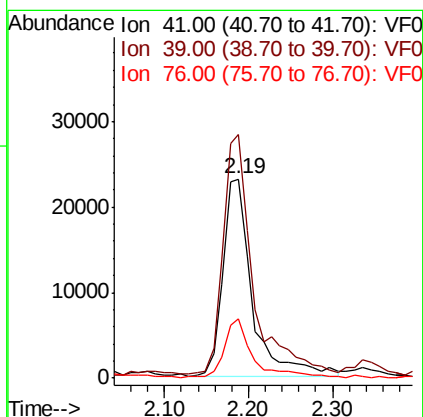
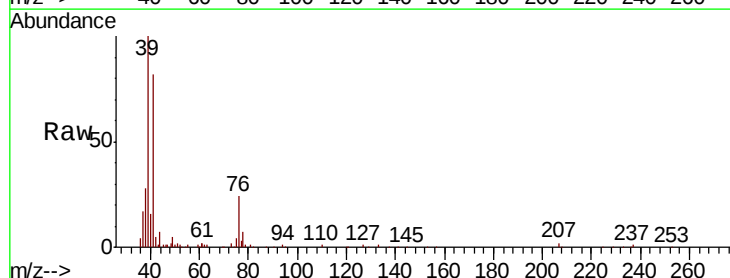
Tgt Ion: 41 Resp: 55535

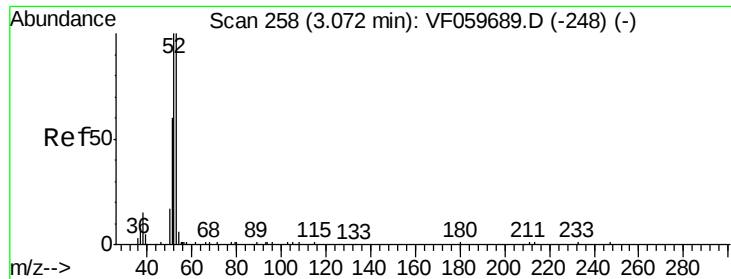
Ion Ratio Lower Upper

41 100

39 122.3 118.1 177.1

76 29.6 22.0 33.0





#15

Acrylonitrile

Concen: 129.12 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

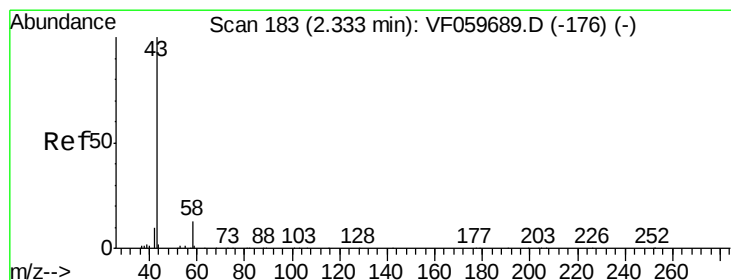
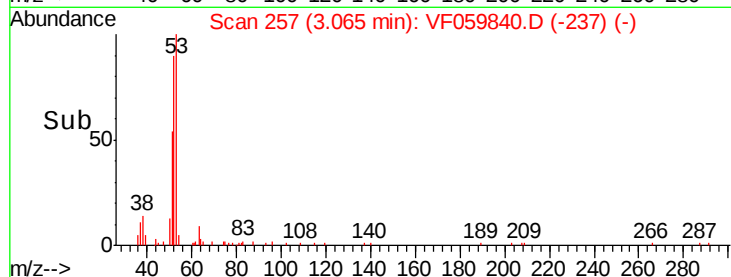
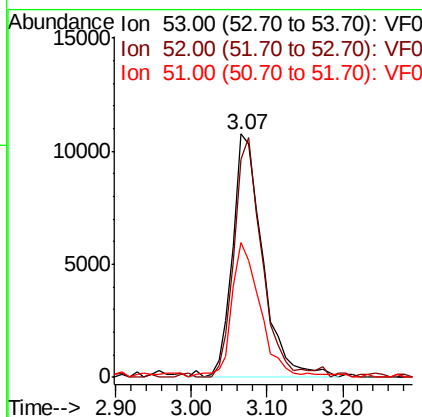
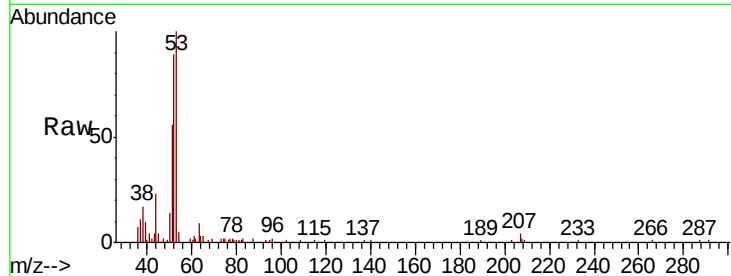
ClientSampleId :

VF0803SBSD01

Tot Ion:	53	Resp:	29859
Ion	Ratio	Lower	Upper
53	100		
52	89.4	80.3	120.5
51	55.5	49.4	74.0

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#16

Acetone

Concen: 103.43 ug/l

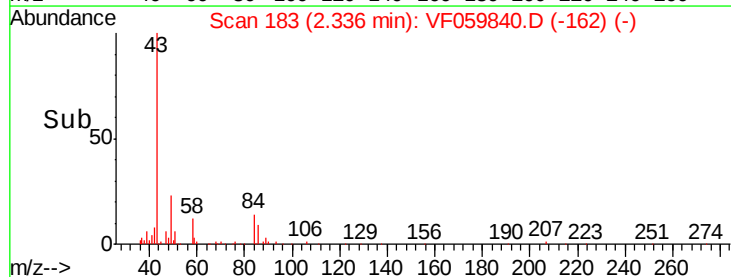
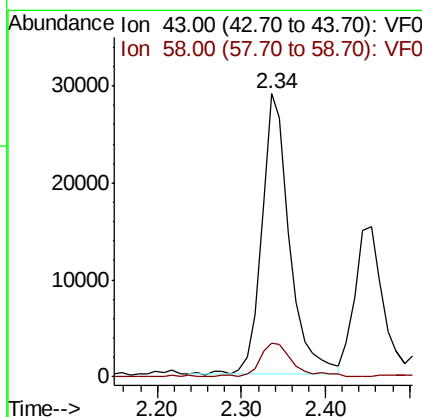
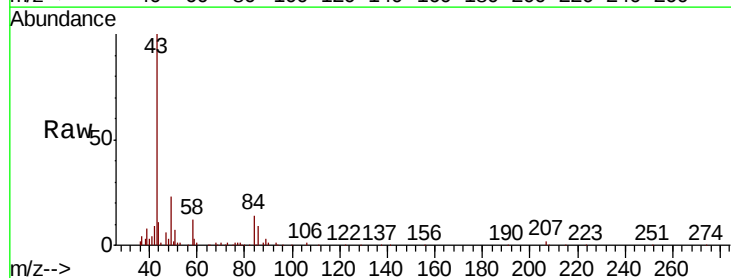
RT: 2.34 min Scan# 183

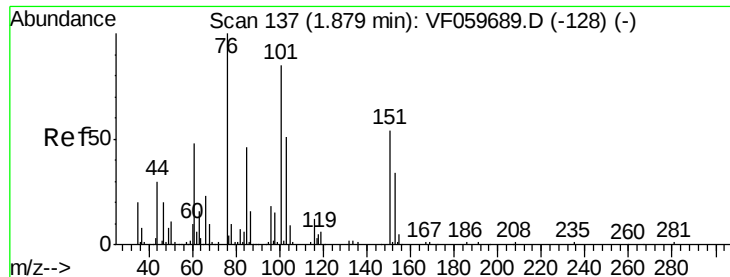
Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	43	Resp:	66601
Ion	Ratio	Lower	Upper
43	100		
58	11.9	10.1	15.1





#17

Carbon Disulfide

Concen: 23.29 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 76 Resp: 82795

Ion Ratio Lower Upper

76 100

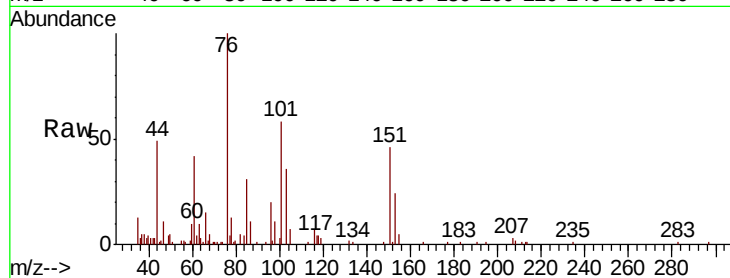
78 12.9 8.9 13.3

Manual Integrations

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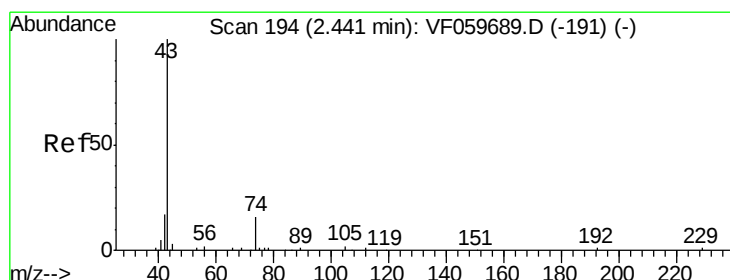
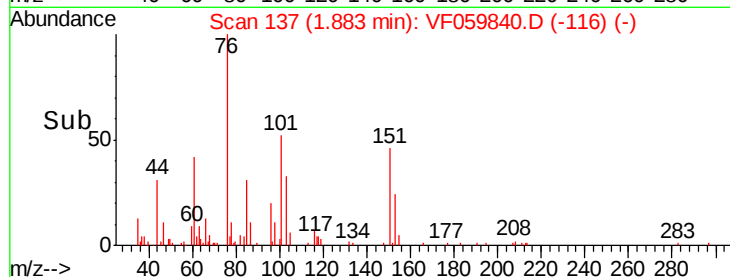
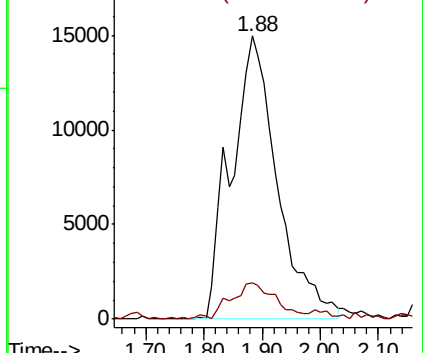
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 35.49 ug/l m

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059840.D

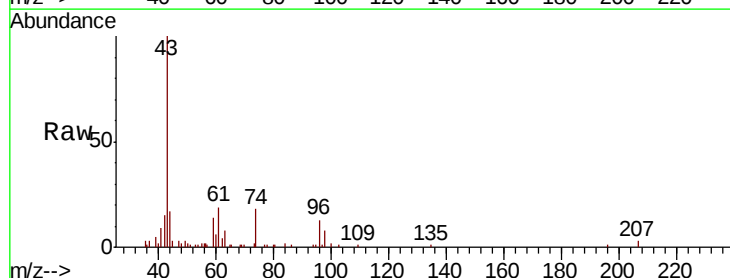
Acq: 3 Aug 2018 15:53

Tgt Ion: 43 Resp: 36914

Ion Ratio Lower Upper

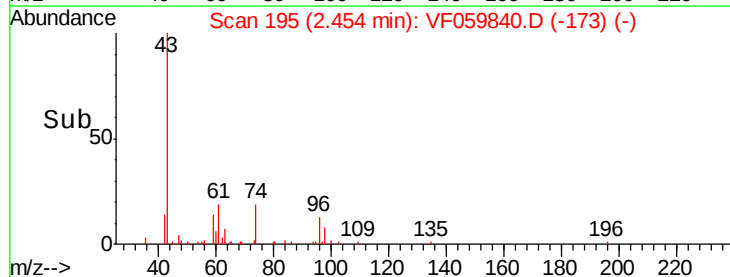
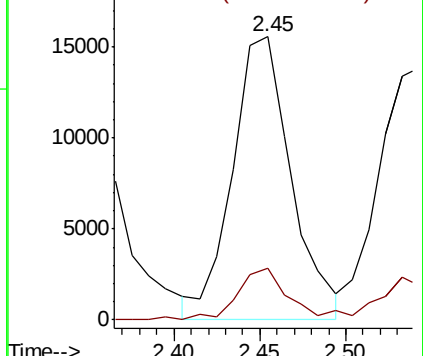
43 100

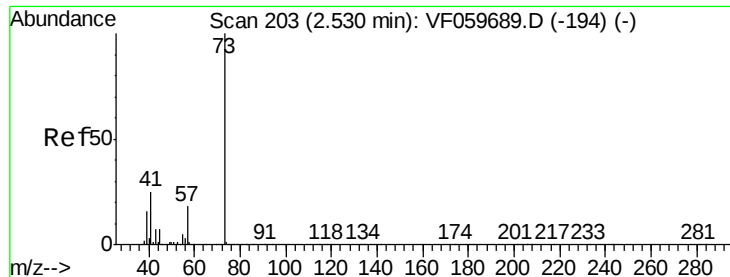
74 18.2 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





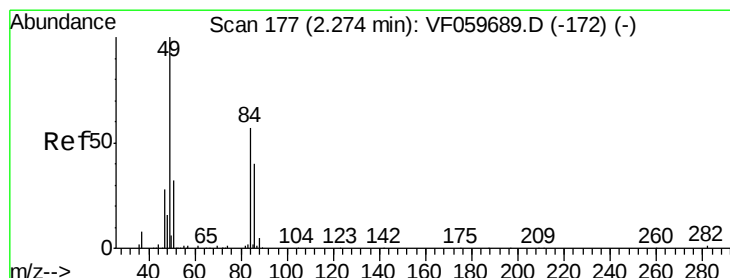
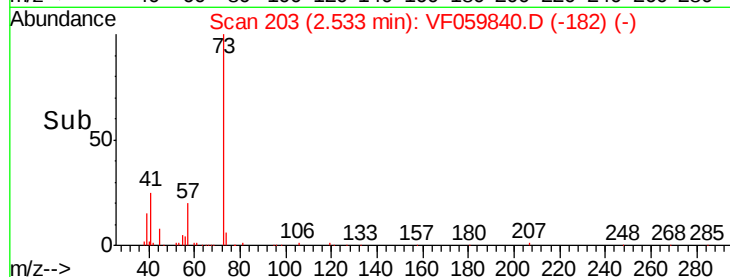
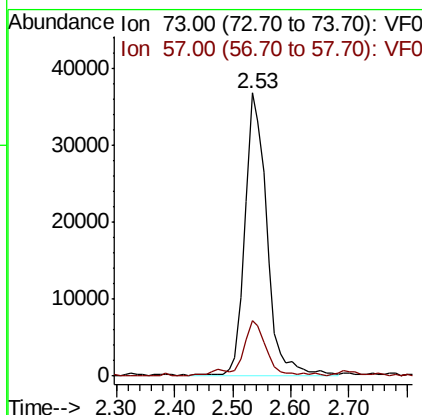
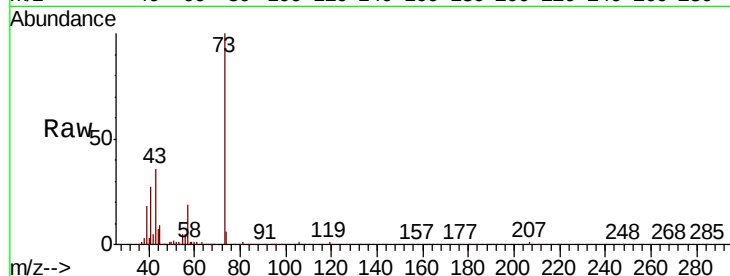
#19
Methyl tert-butyl Ether
Concen: 20.50 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	14.2	21.2

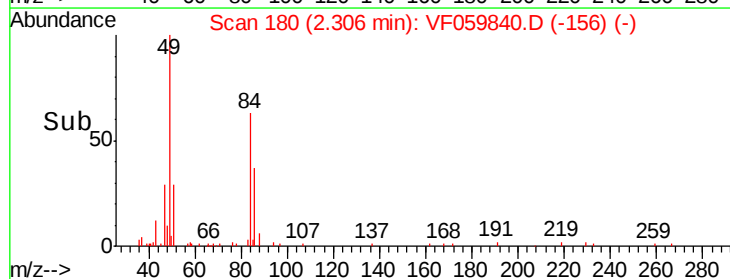
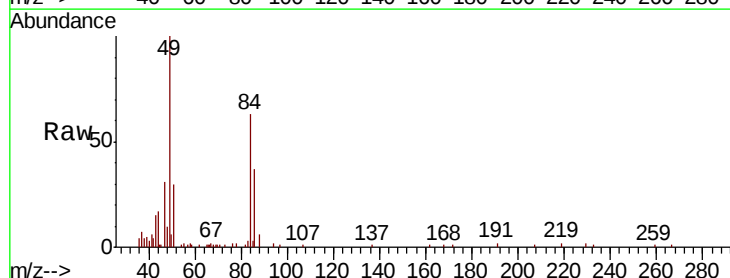
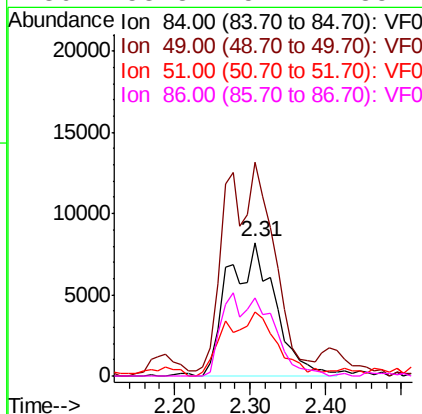
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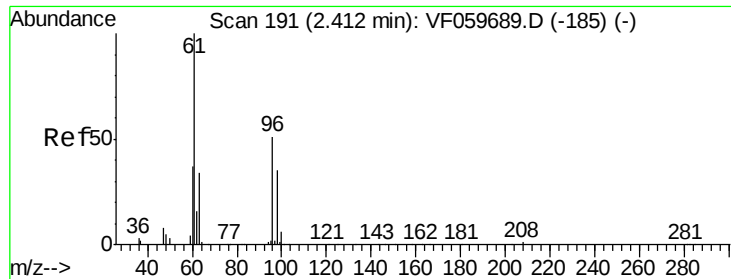
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#20
Methylene Chloride
Concen: 20.94 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. 0.03 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.9	142.2	213.4
51	47.7	46.2	69.2
86	58.8	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 22.14 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

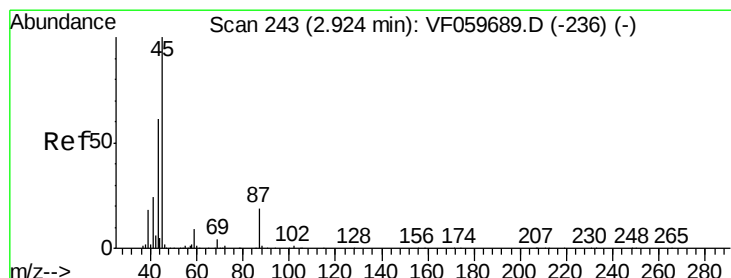
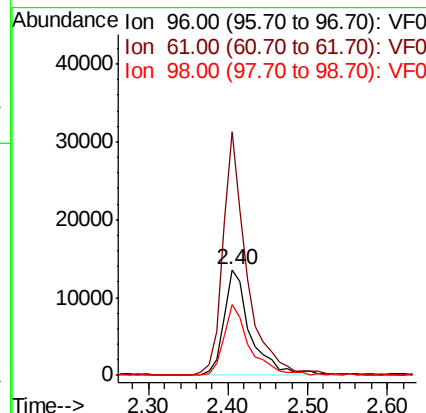
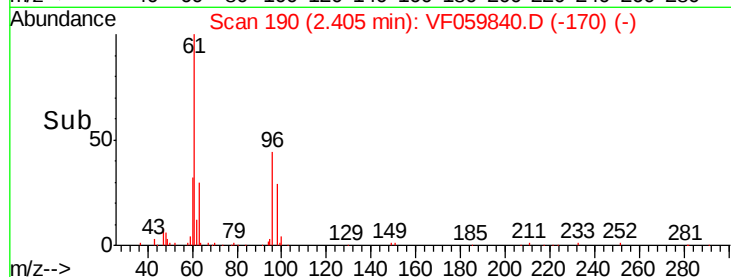
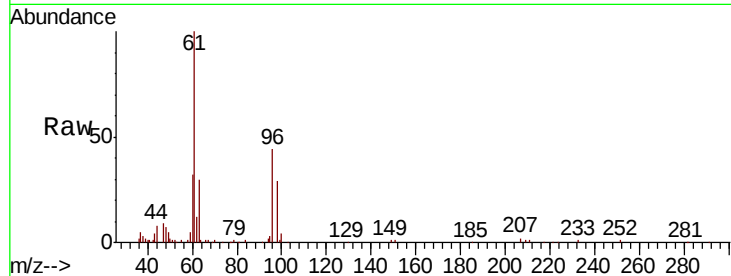
ClientSampleId :

VF0803SBSD01

Tot Ion:	96	Resp:	31815
Ion	Ratio	Lower	Upper
96	100		
61	229.7	157.4	236.0
98	67.2	55.0	82.4

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#22

Diisopropyl ether

Concen: 22.20 ug/l

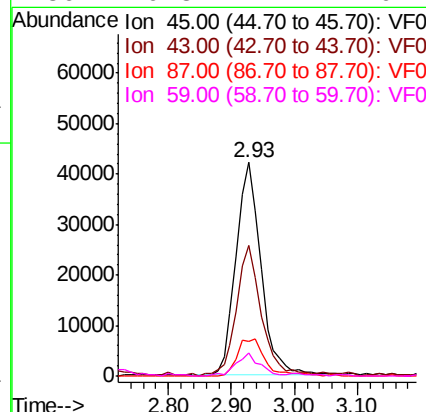
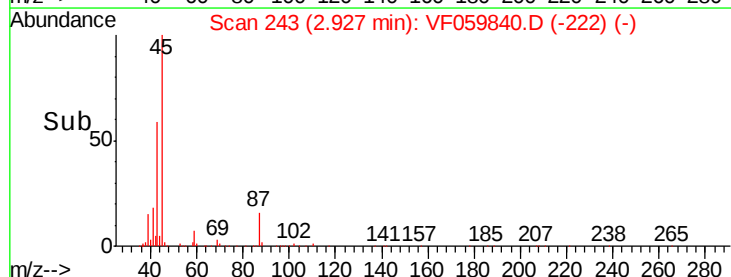
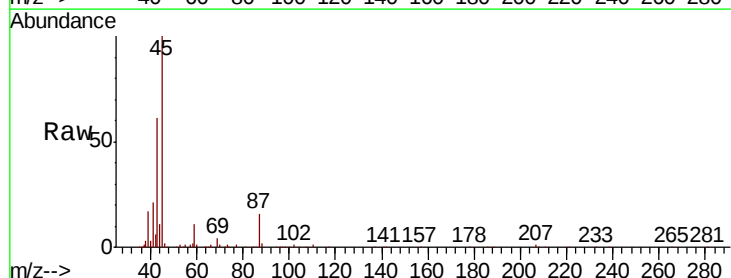
RT: 2.93 min Scan# 243

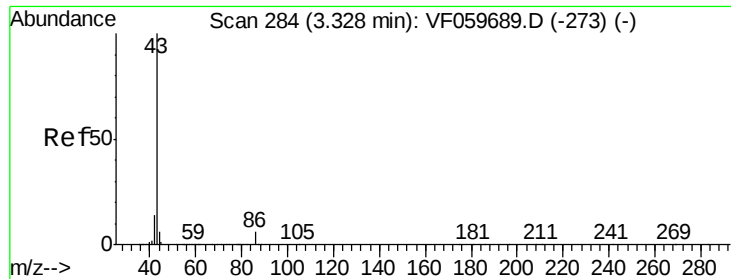
Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	45	Resp:	115627
Ion	Ratio	Lower	Upper
45	100		
43	61.4	49.3	73.9
87	16.3	15.3	22.9
59	10.8	7.1	10.7#





#23

Vinyl Acetate

Concen: 103.57 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 43 Resp: 277318

Ion Ratio Lower Upper

43 100

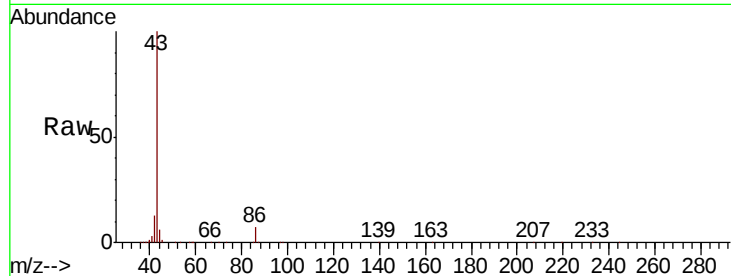
86 6.8 4.6 6.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

120000

100000

80000

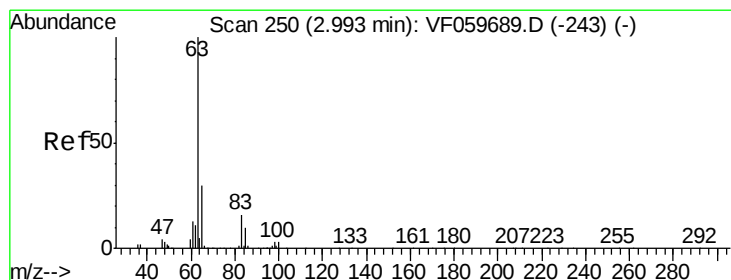
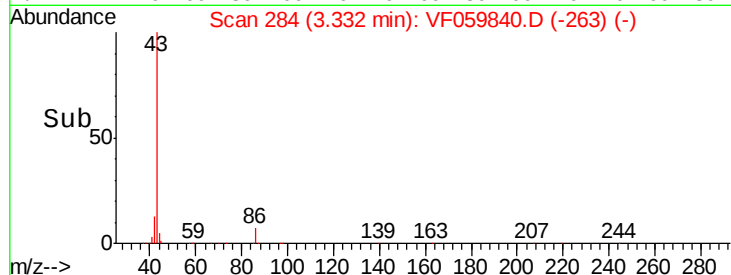
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.62 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

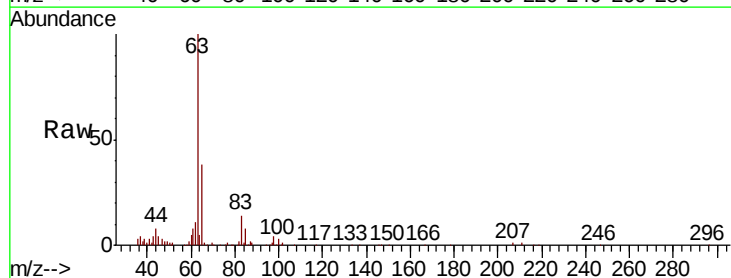
Tgt Ion: 63 Resp: 78226

Ion Ratio Lower Upper

63 100

98 3.9 1.4 4.2

100 2.6 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

40000

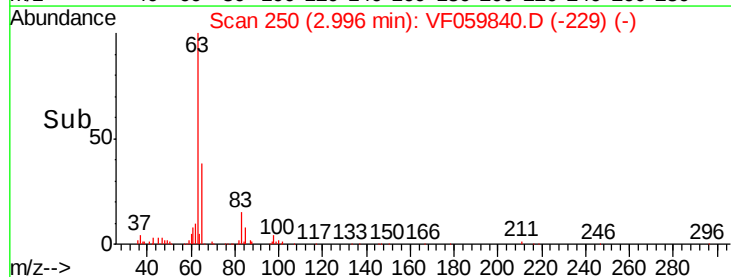
30000

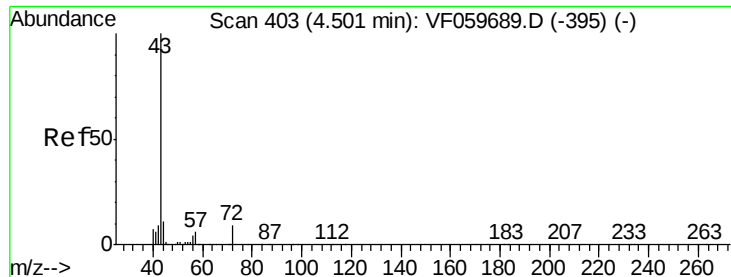
20000

10000

0

Time-->





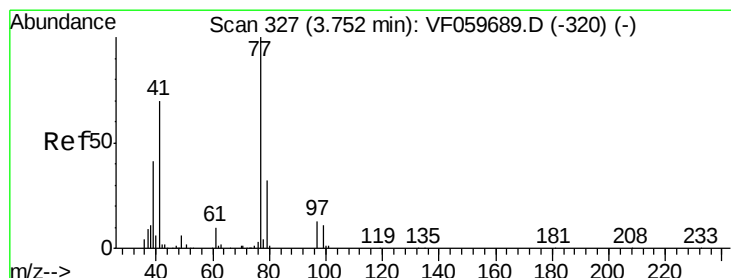
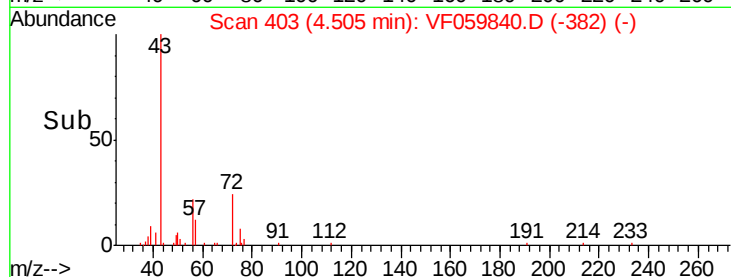
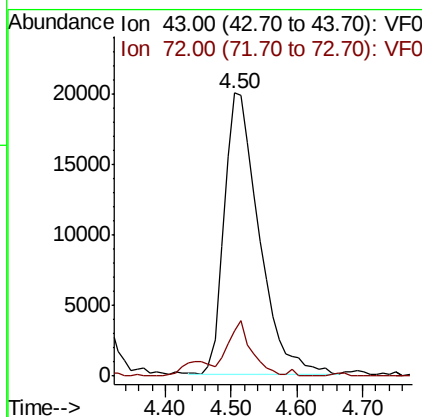
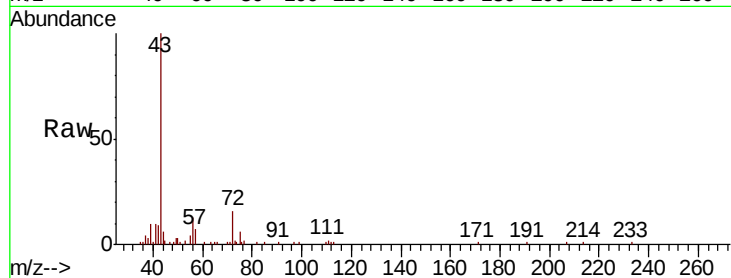
#25
 2-Butanone
 Concen: 102.74 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBSD01

Tot Ion: 43 Resp: 73829
 Ion Ratio Lower Upper
 43 100
 72 15.9 7.7 11.5#

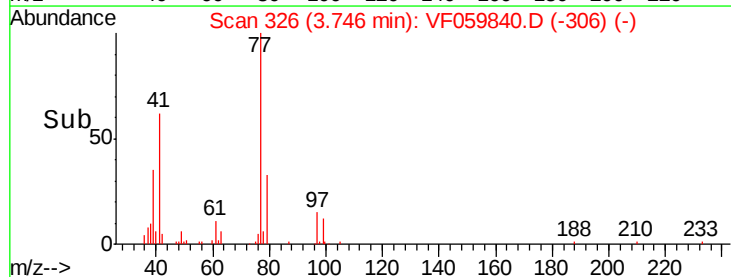
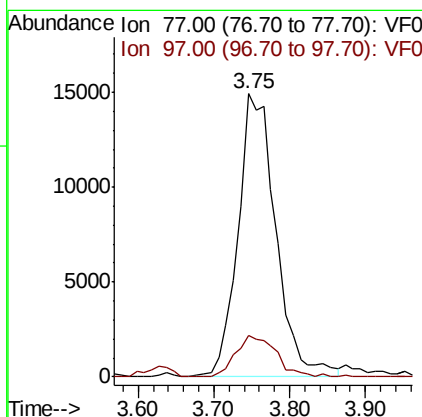
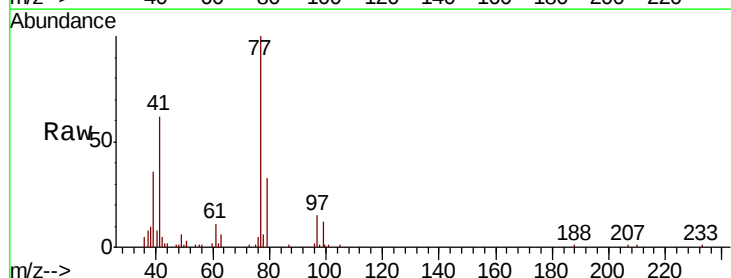
Manual Integrations
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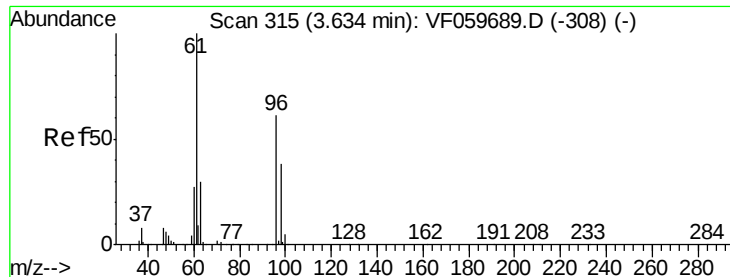
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#26
 2,2-Dichloropropane
 Concen: 20.12 ug/l
 RT: 3.75 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion: 77 Resp: 51904
 Ion Ratio Lower Upper
 77 100
 97 14.6 6.8 20.4





#27

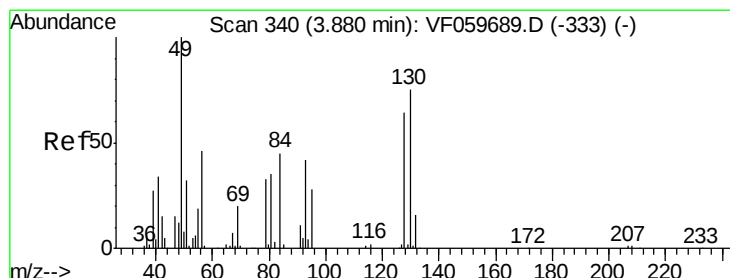
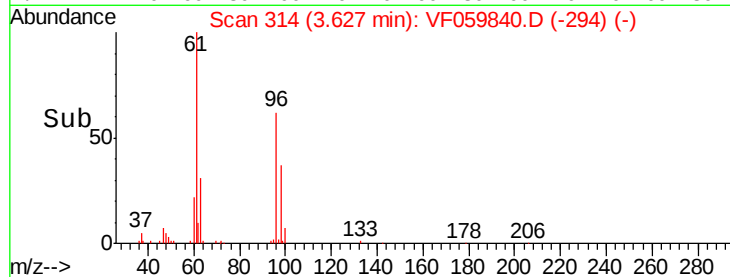
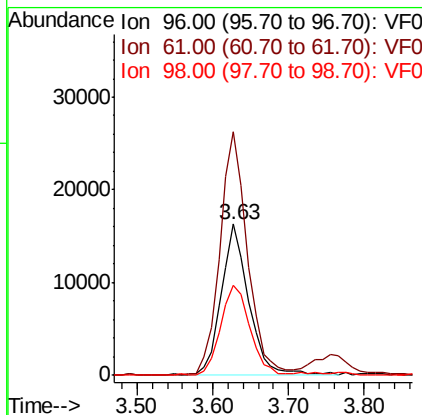
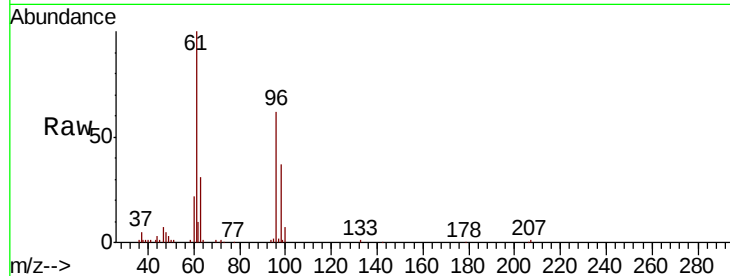
cis-1,2-Dichloroethene
Concen: 21.42 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	41506		
61	161.1	0.0	326.8	
98	62.2	0.0	125.2	

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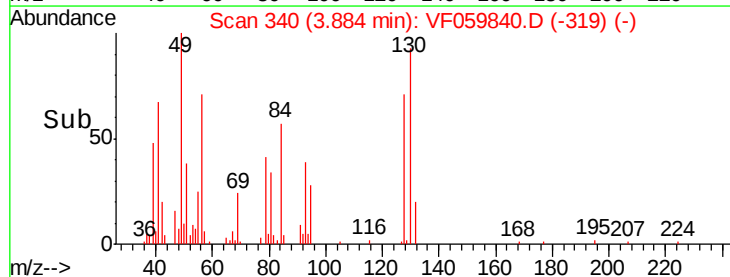
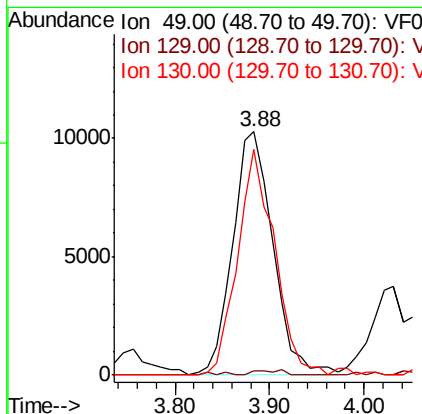
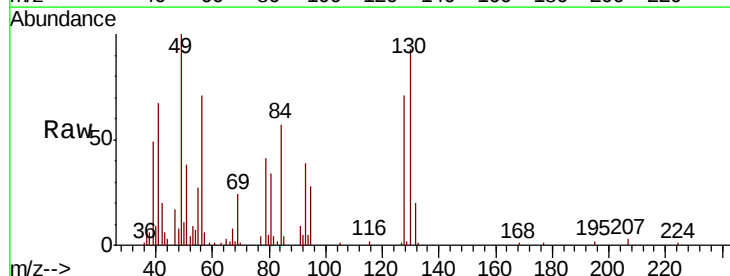
apatel
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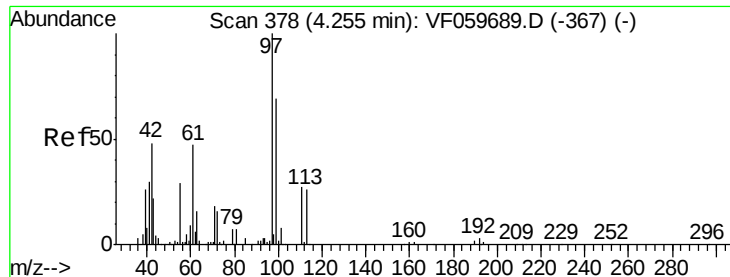


#28

Bromochloromethane
Concen: 21.61 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30513		
129	1.8	0.0	4.8	
130	92.7	59.6	89.4	





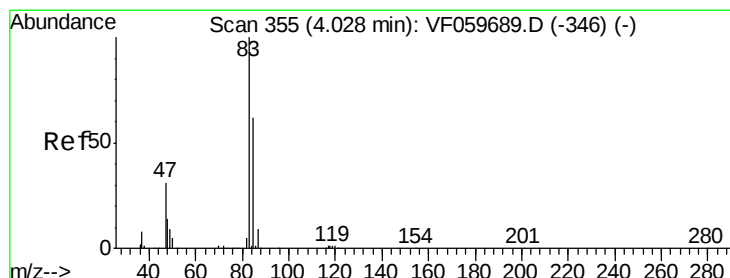
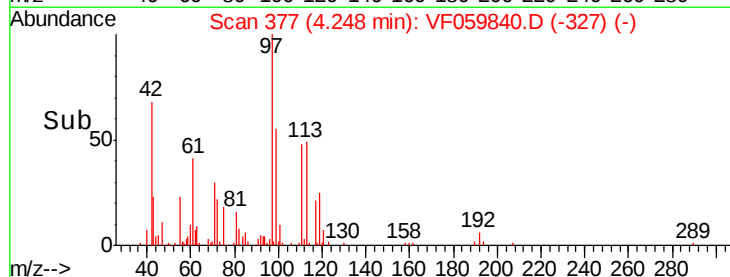
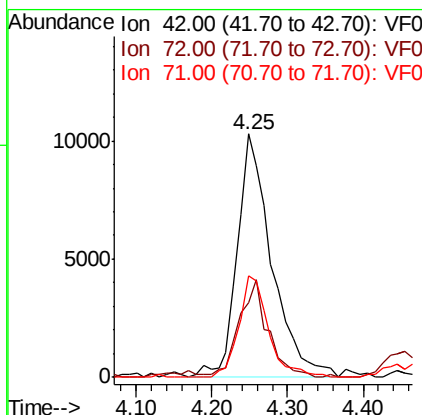
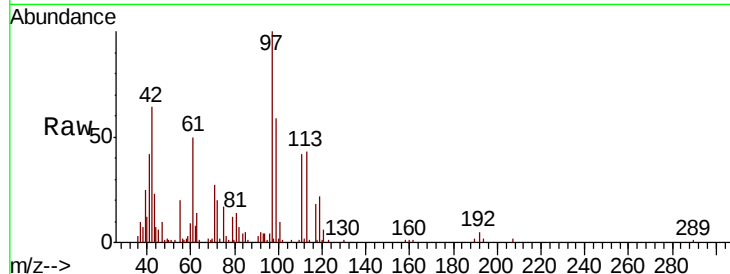
#29
Tetrahydrofuran
Concen: 118.03 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	33.4	27.0	40.6	
71	35.8	29.7	44.5	

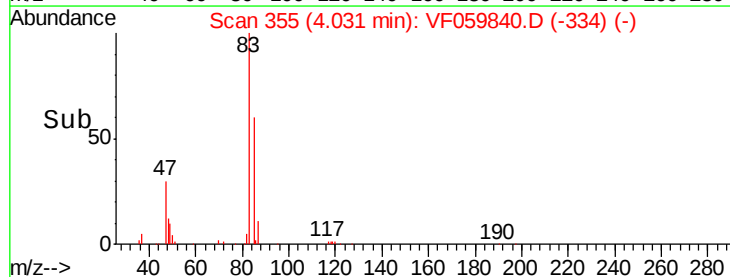
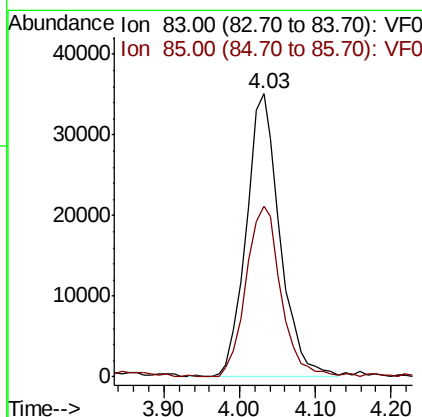
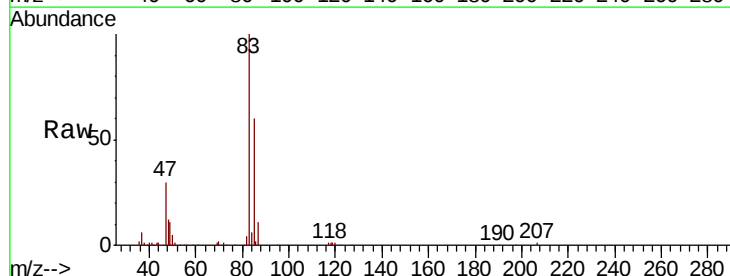
Manual Integrations
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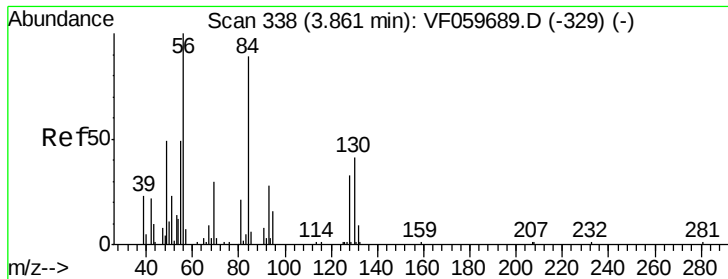
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#30
Chloroform
Concen: 21.30 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	60.4	49.4	74.0	





#31

Cyclohexane

Concen: 22.94 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

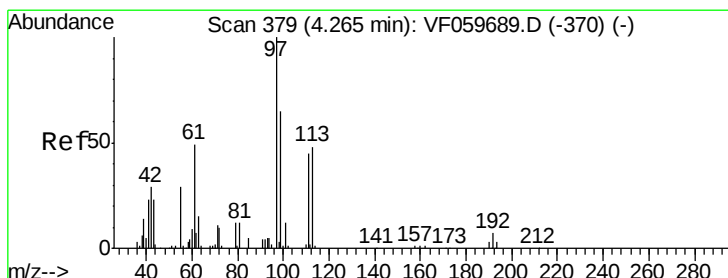
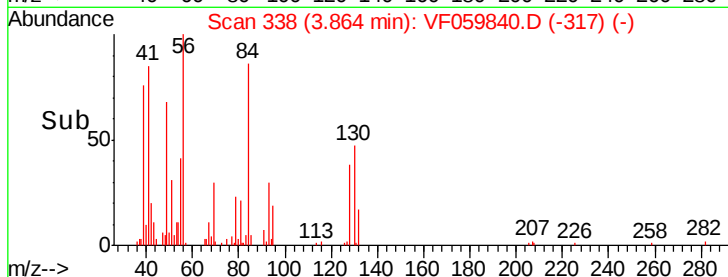
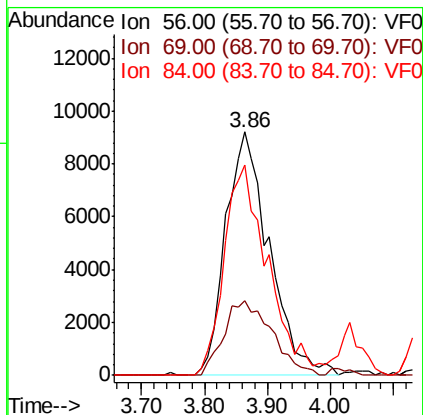
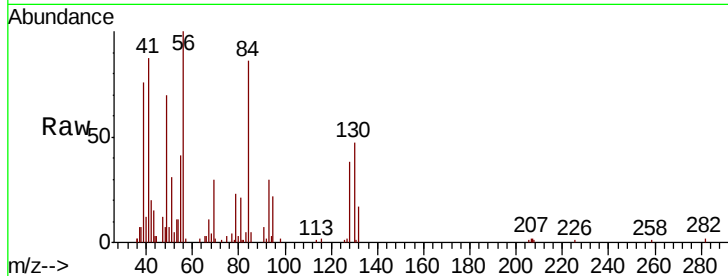
ClientSampleId :

VF0803SBSD01

Tot Ion:	56	Resp:	44137
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.7	35.5
84	86.3	71.1	106.7

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#32

1,1,1-Trichloroethane

Concen: 21.27 ug/l

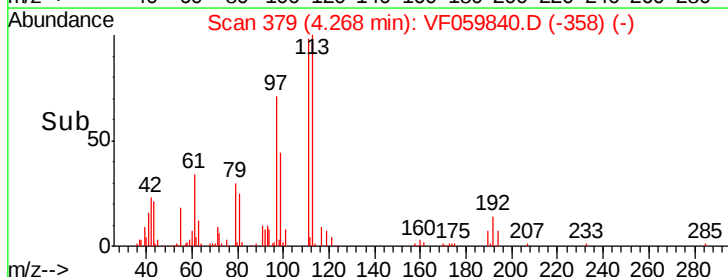
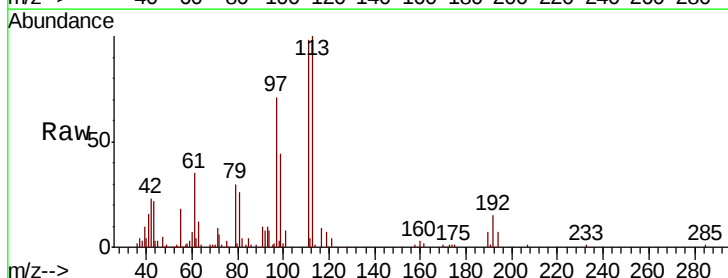
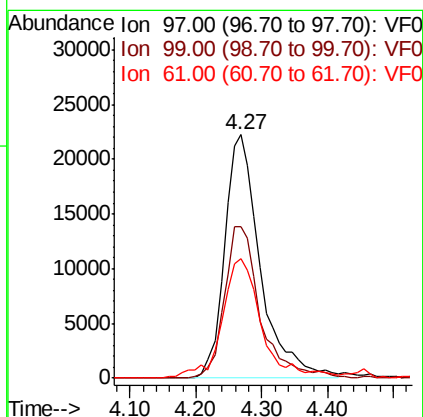
RT: 4.27 min Scan# 379

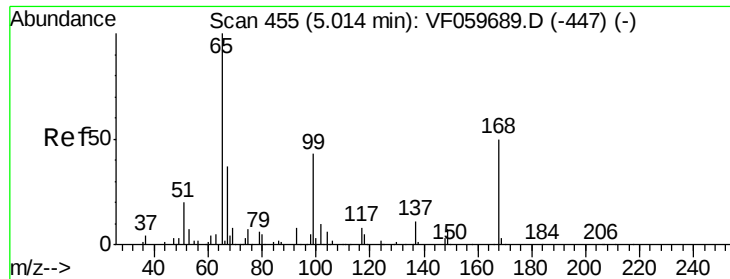
Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	97	Resp:	84240
Ion	Ratio	Lower	Upper
97	100		
99	62.4	52.4	78.6
61	49.1	39.7	59.5





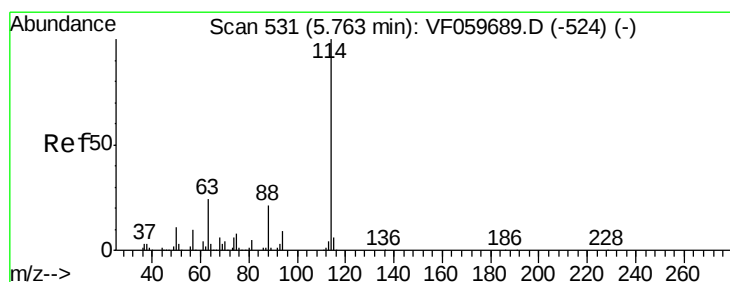
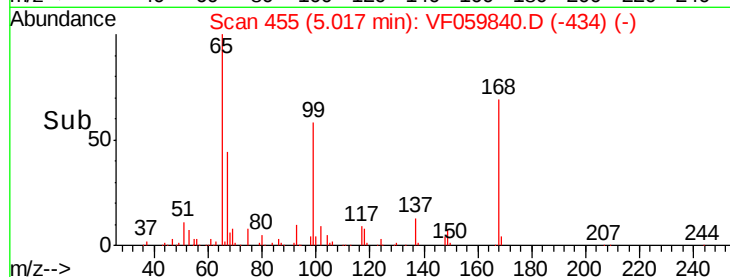
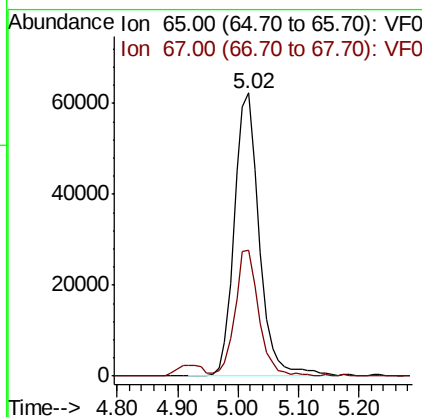
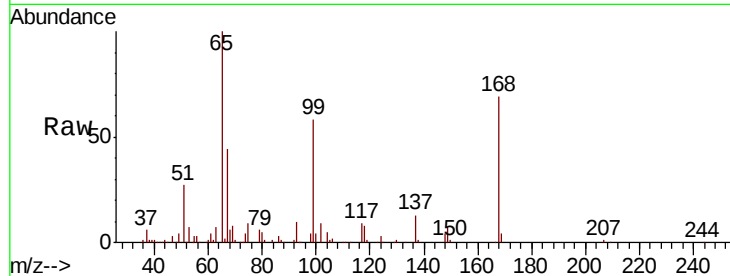
#33
 1,2-Dichloroethane-d4
 Concen: 50.06 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179189		
67	44.3	0.0	84.6	

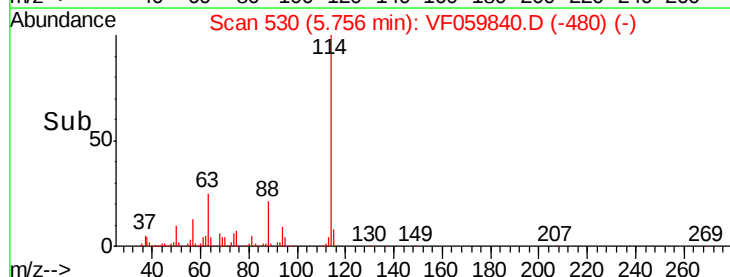
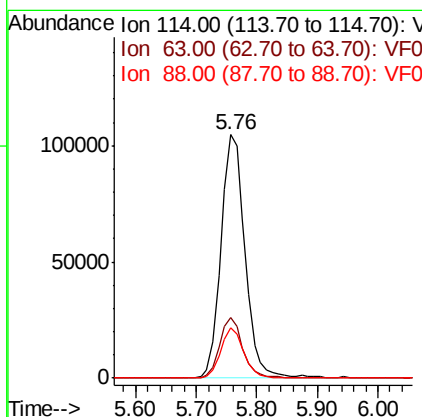
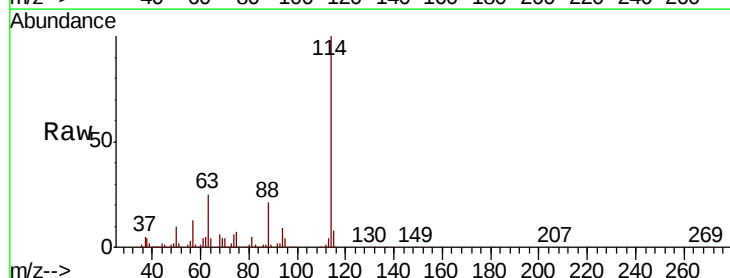
Manual Integrations
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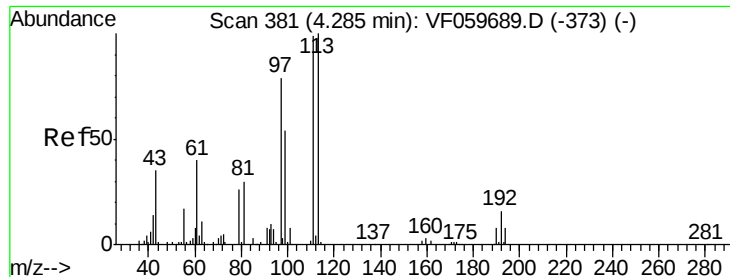
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289115		
63	25.1	0.0	47.4	
88	20.7	0.0	41.2	





#35

Dibromofluoromethane

Concen: 49.47 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

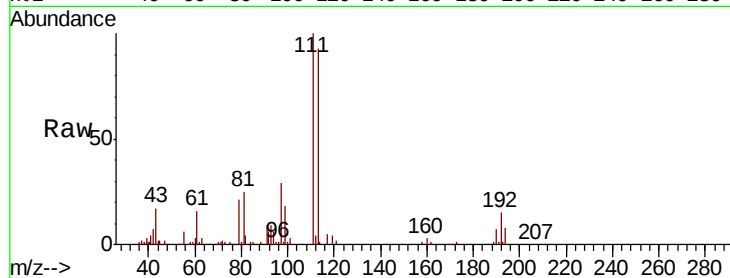
ClientSampleId :

VF0803SBS01

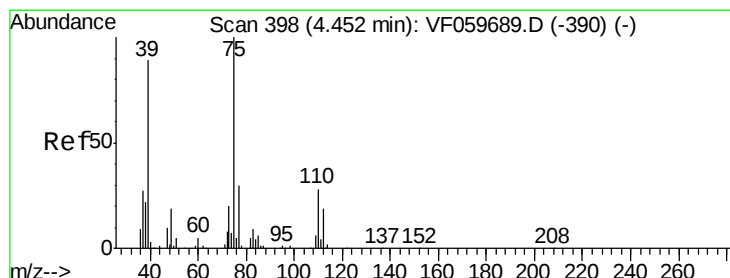
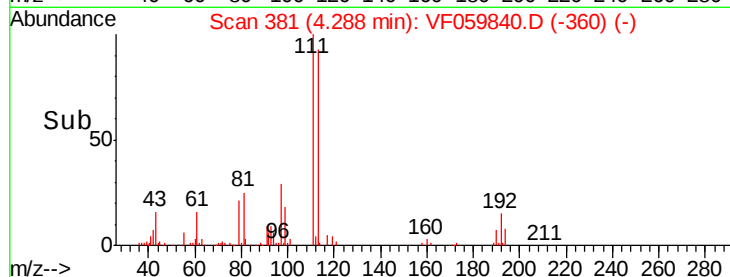
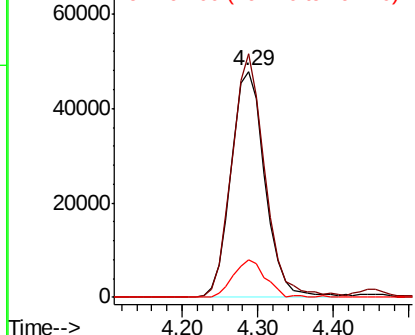
Tot Ion:	113	Resp:	148558
Ion Ratio	Lower	Upper	
113	100		
111	107.6	79.0	118.4
192	16.4	13.2	19.8

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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.64 ug/l

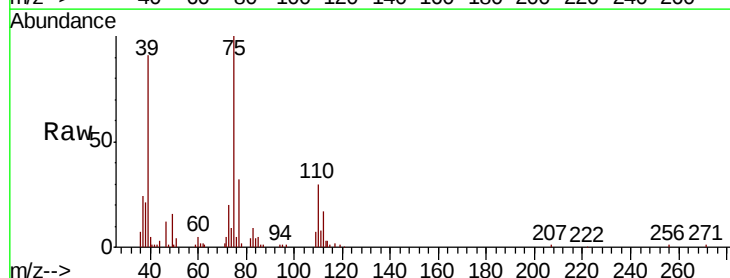
RT: 4.45 min Scan# 397

Delta R.T. -0.01 min

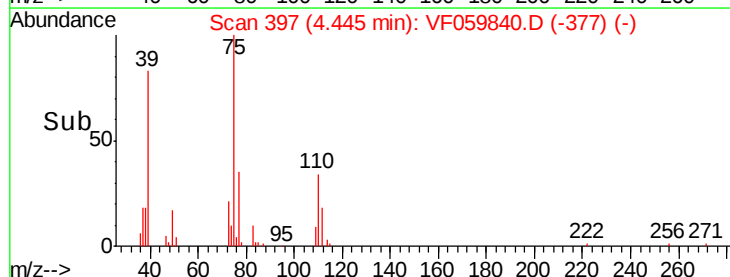
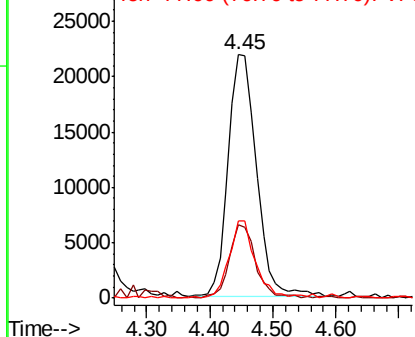
Lab File: VF059840.D

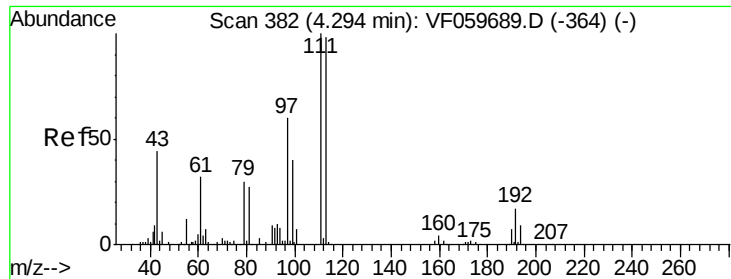
Acq: 3 Aug 2018 15:53

Tgt Ion:	75	Resp:	67195
Ion Ratio	Lower	Upper	
75	100		
110	30.1	14.0	41.9
77	31.6	24.2	36.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





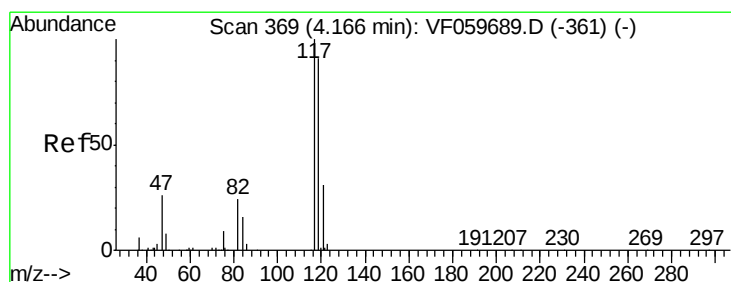
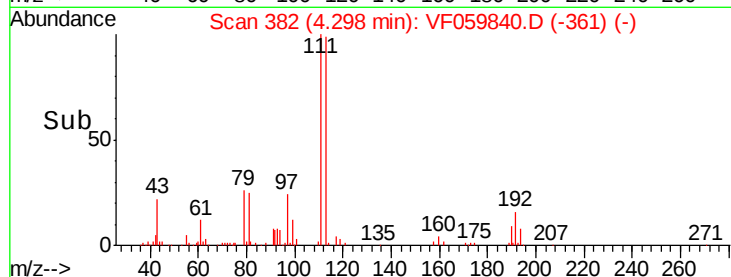
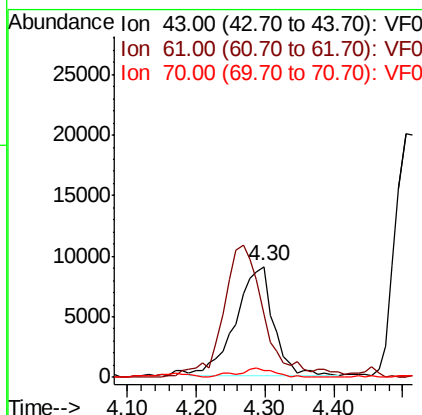
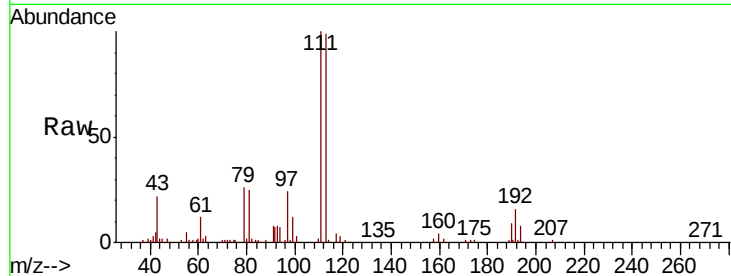
#37
Ethyl Acetate
Concen: 21.04 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	56.6	58.2	87.2#
70	5.8	6.0	9.0#

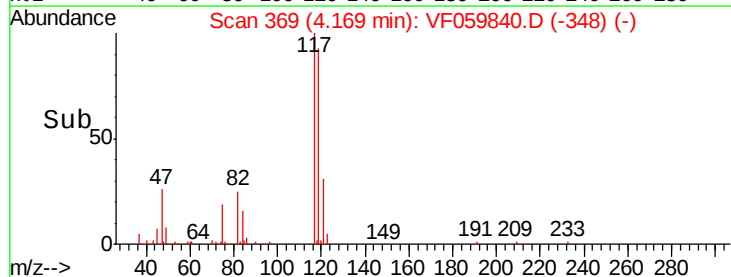
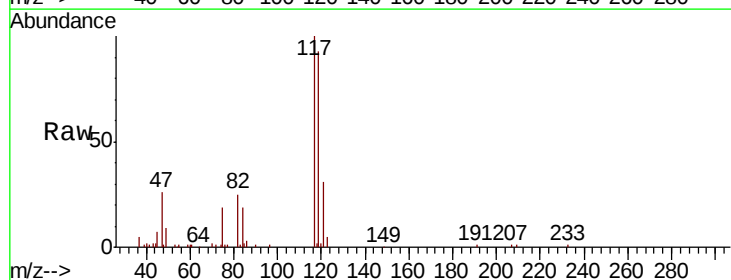
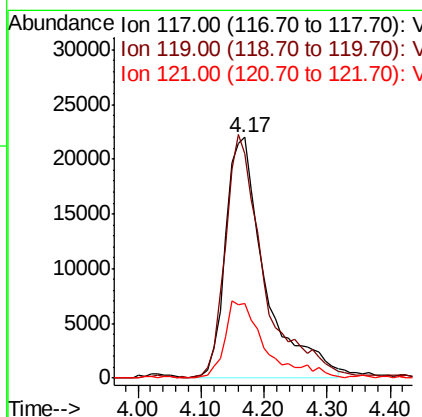
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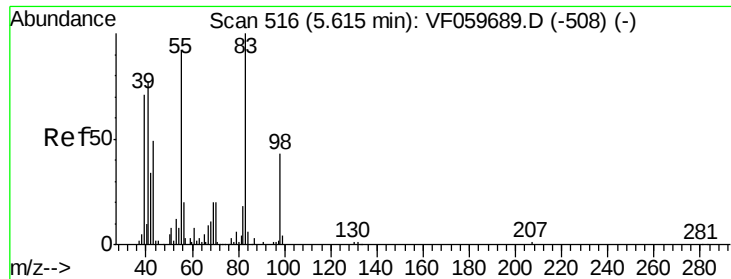
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#38
Carbon Tetrachloride
Concen: 20.87 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	72.9	109.3
121	31.0	25.0	37.4





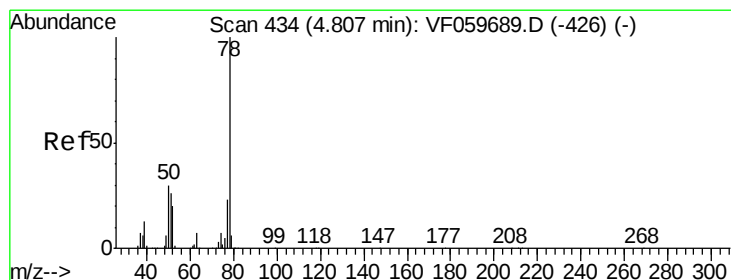
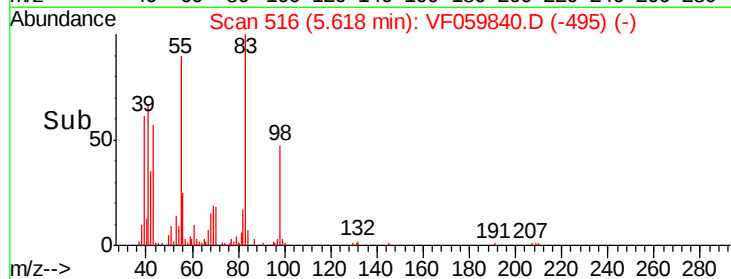
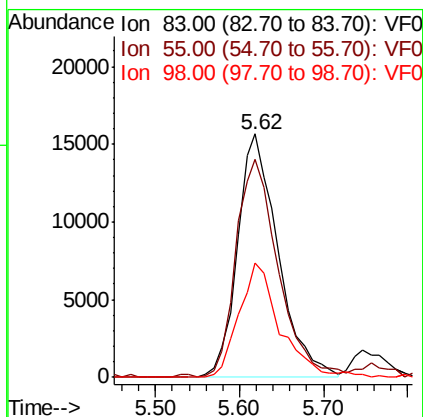
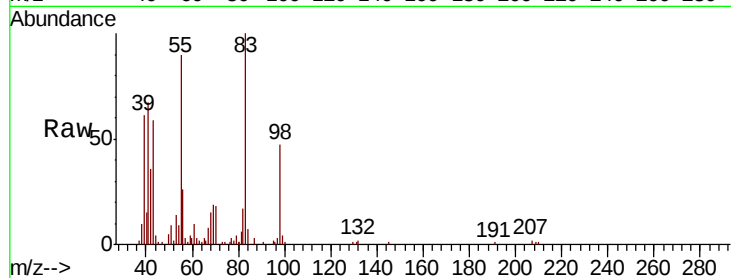
#39
Methvlcvclohexane
Concen: 21.17 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.6	73.4	110.2
98	47.0	34.2	51.4

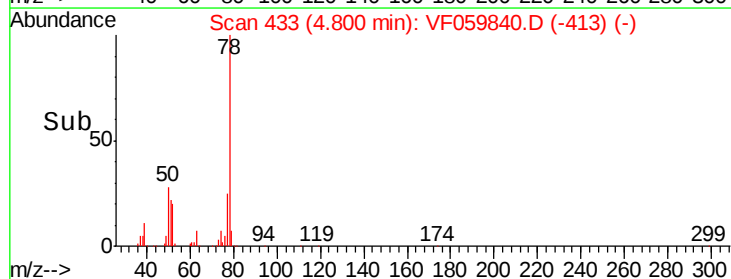
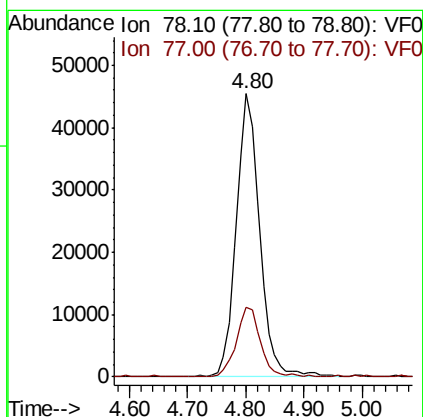
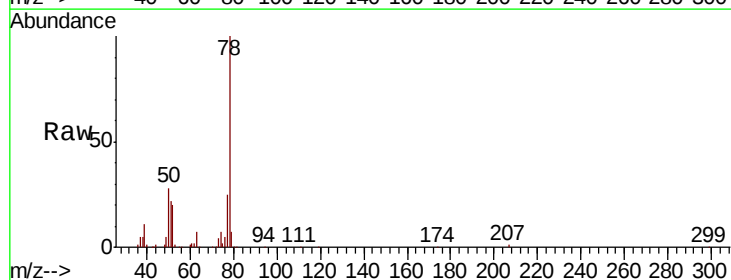
Manual Integrations
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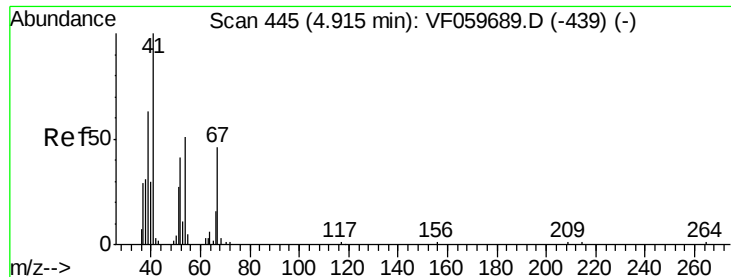
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#40
Benzene
Concen: 21.82 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3





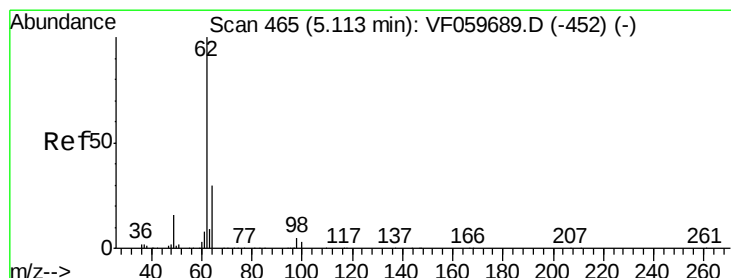
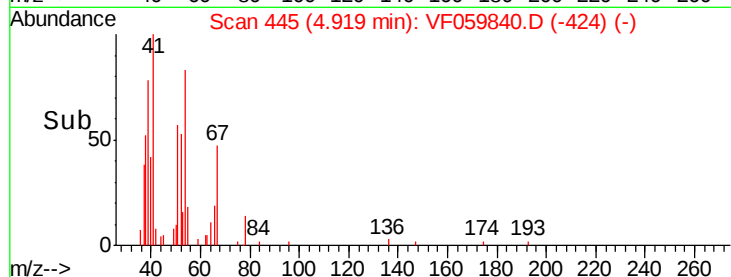
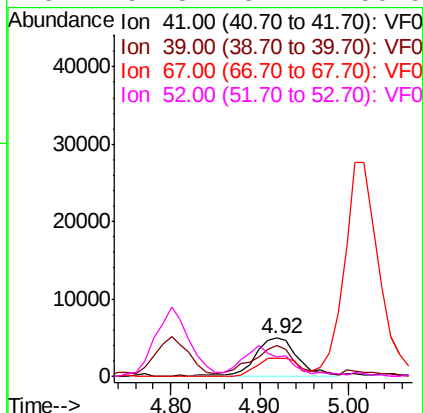
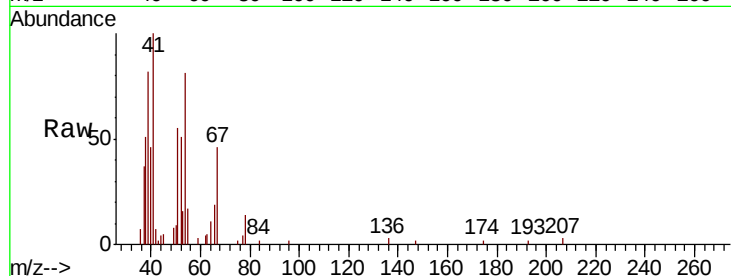
#41
Methacrylonitrile
Concen: 20.76 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	81.6	55.2	82.8	
67	45.9	36.2	54.2	
52	51.3	37.7	56.5	

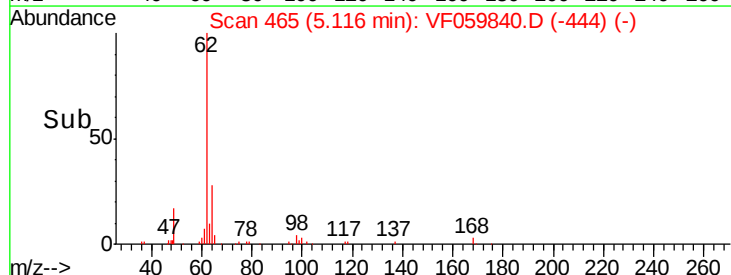
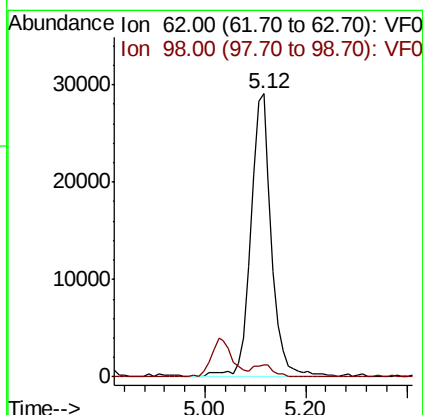
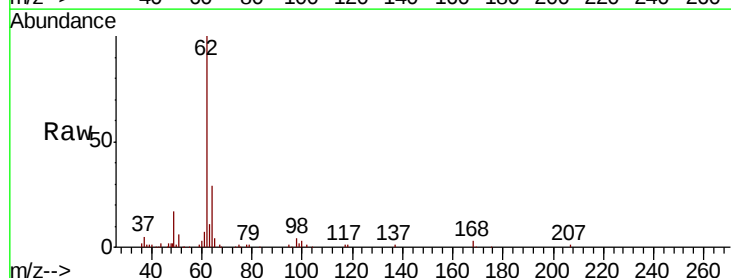
Manual Integrations
APPROVED

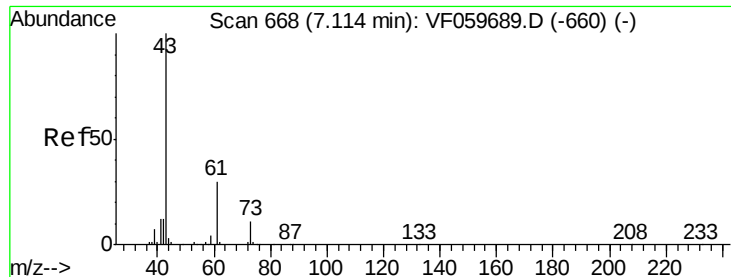
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#42
1,2-Dichloroethane
Concen: 20.51 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.4	0.0	9.6	





#43

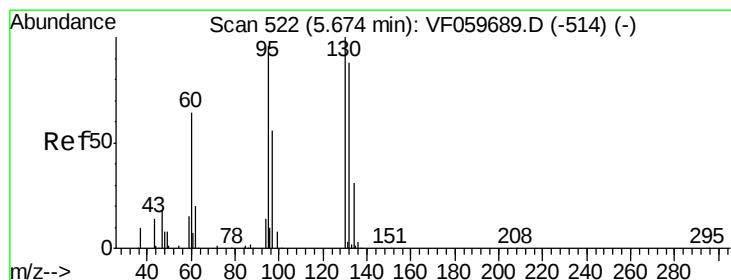
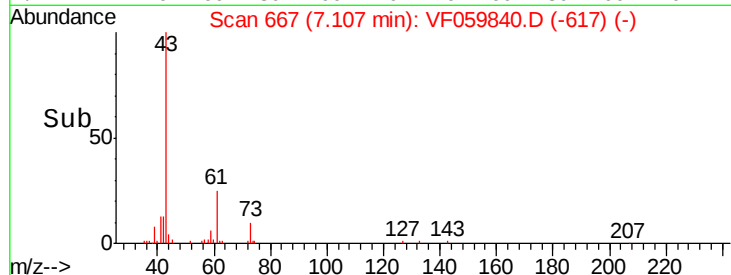
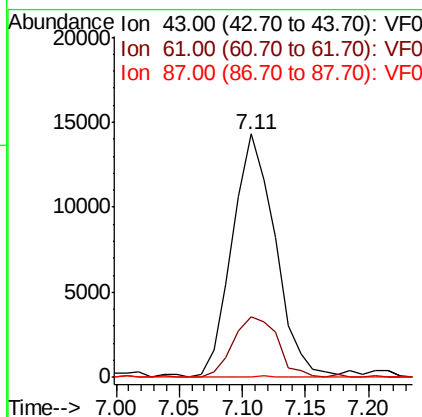
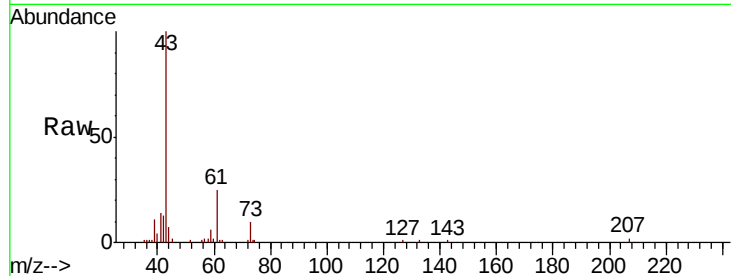
Isopropyl Acetate
 Concen: 19.62 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	23.8	35.8
87	0.0	0.6	1.0#

Manual Integrations
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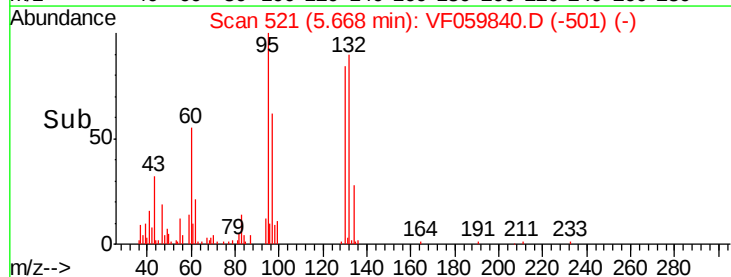
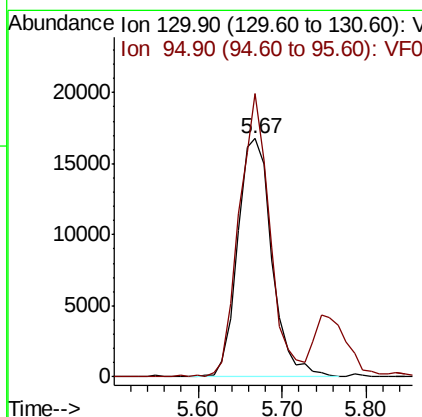
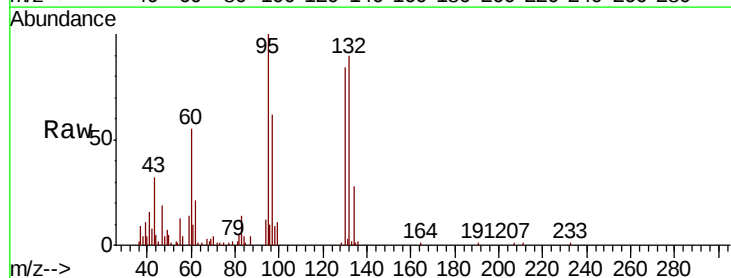
apatel
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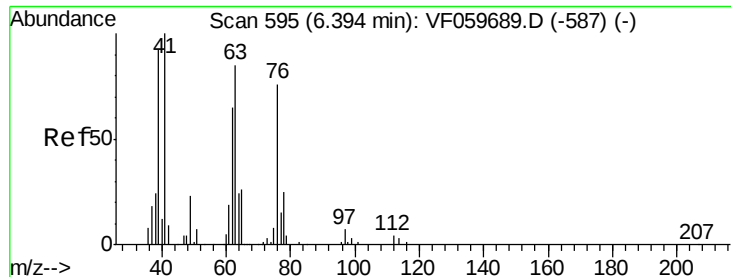


#44

Trichloroethene
 Concen: 21.31 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.9	0.0	191.0





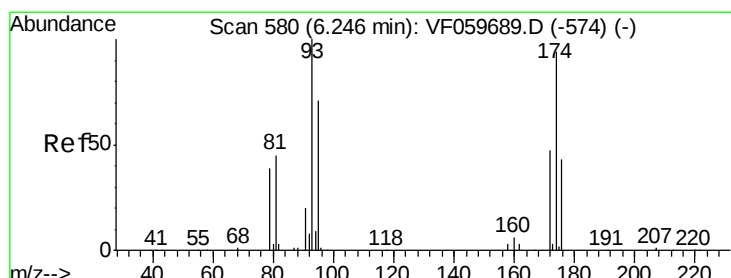
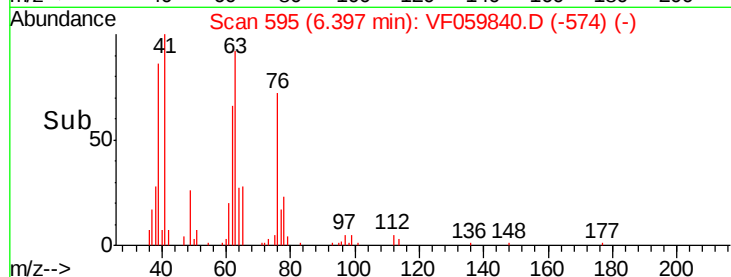
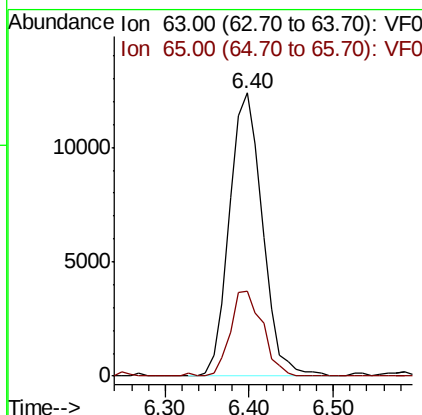
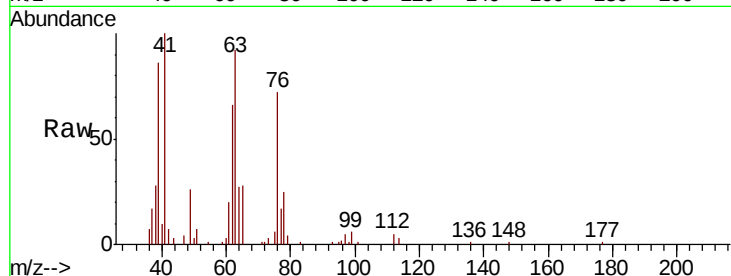
#45
1,2-Dichloropropane
Concen: 21.99 ug/l
RT: 6.40 min Scan# 595
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.2	37.8

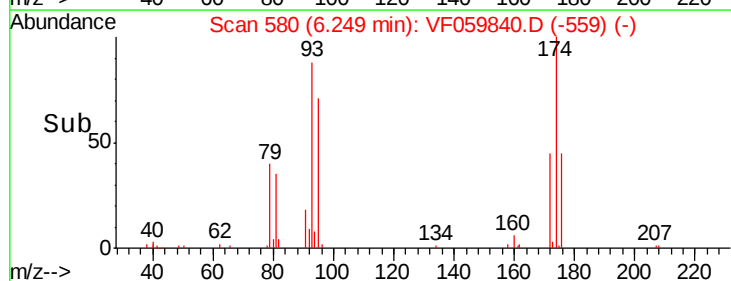
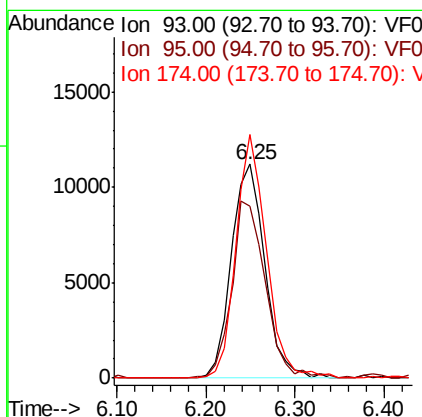
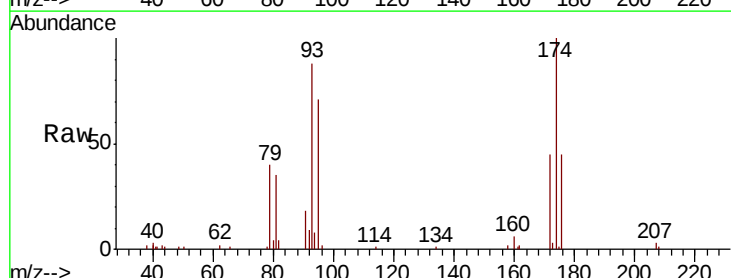
Manual Integrations
APPROVED

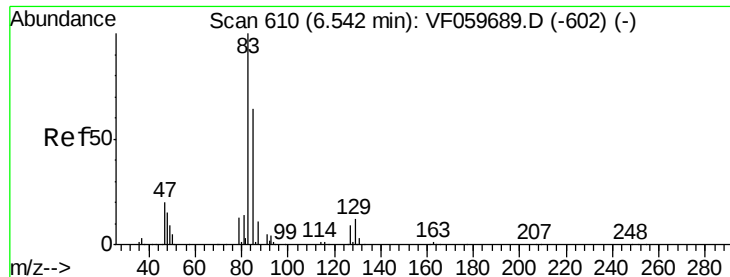
apatel
8/6/2018 10:07:49 AM



#46
Dibromomethane
Concen: 20.10 ug/l
RT: 6.25 min Scan# 580
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	57.1	85.7
174	115.4	74.8	112.2#





#47

Bromodichloromethane

Concen: 20.02 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

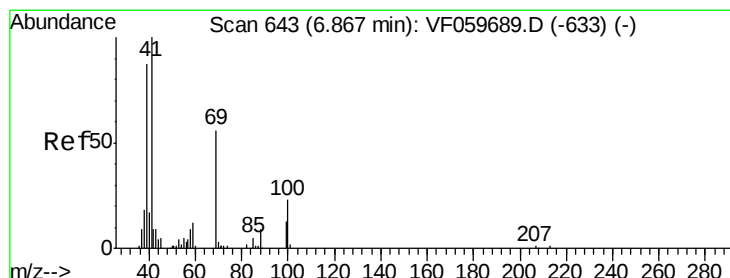
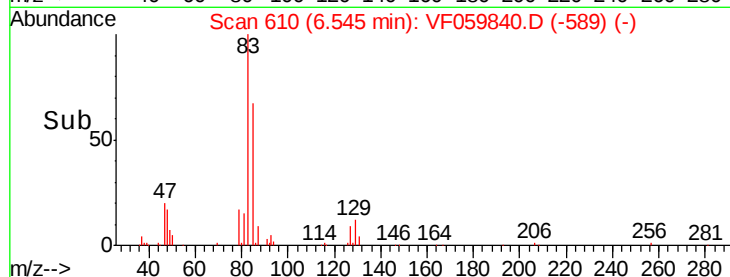
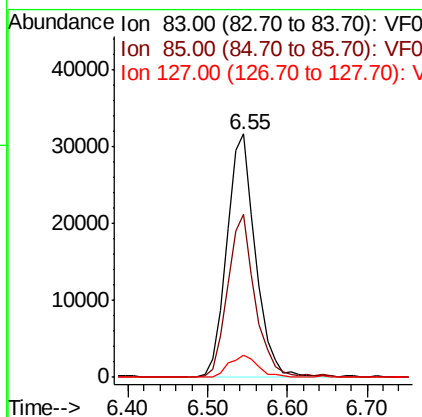
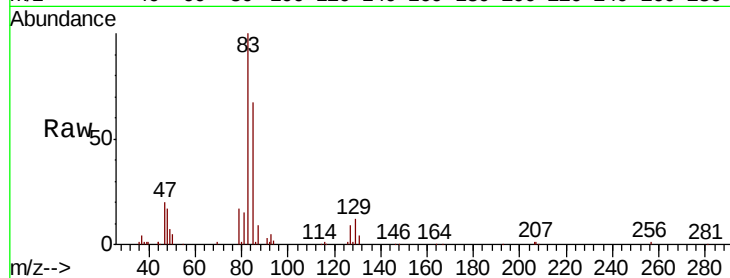
ClientSampleId :

VF0803SBS01

Tot Ion:	83	Resp:	79812
Ion Ratio	Lower	Upper	
83	100		
85	66.9	51.0	76.6
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.16 ug/l

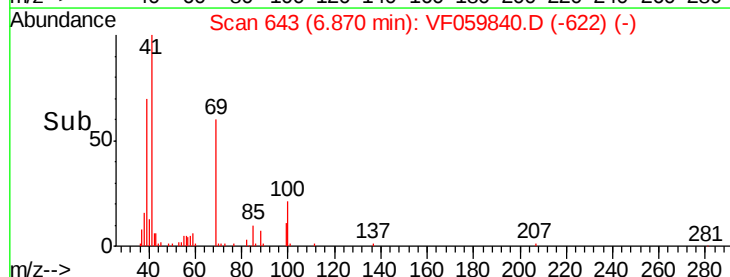
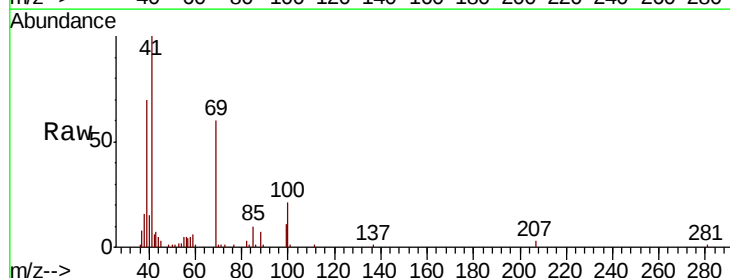
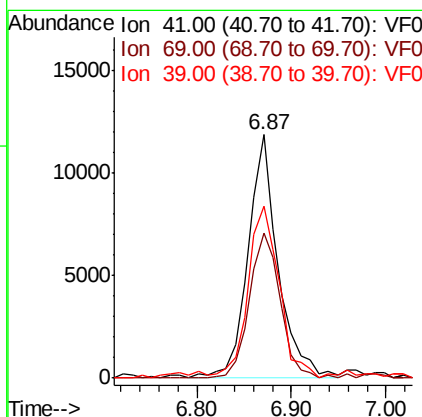
RT: 6.87 min Scan# 643

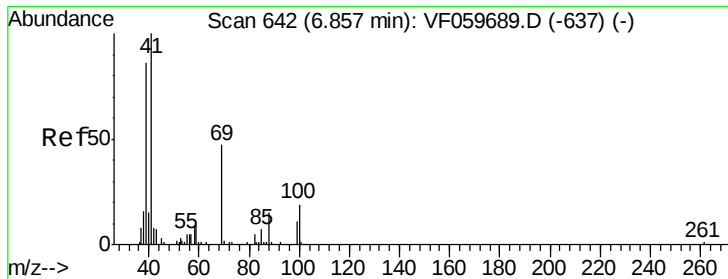
Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	41	Resp:	26211
Ion Ratio	Lower	Upper	
41	100		
69	59.6	44.4	66.6
39	70.4	69.4	104.2





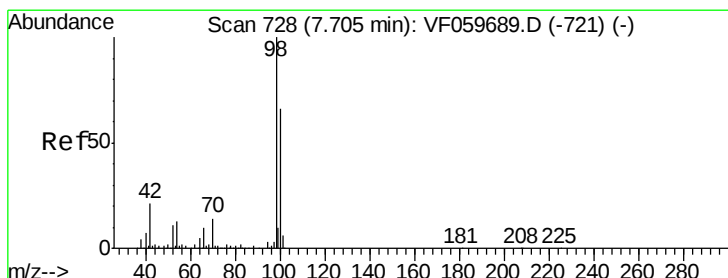
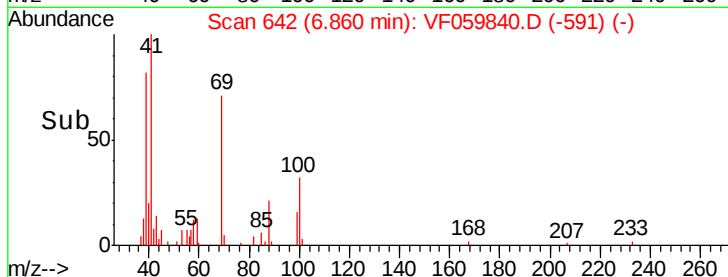
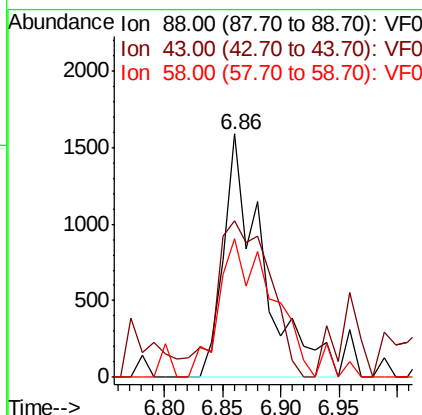
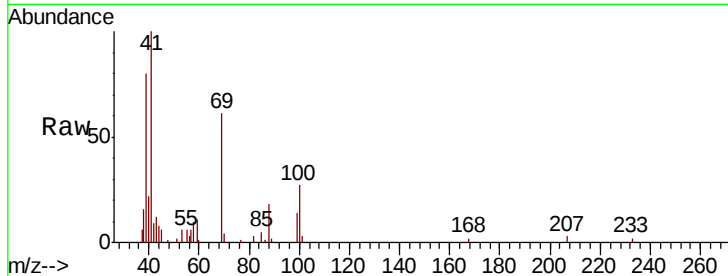
#49
1,4-Dioxane
Concen: 419.90 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	64.4	45.2	67.8
58	56.9	49.0	73.6

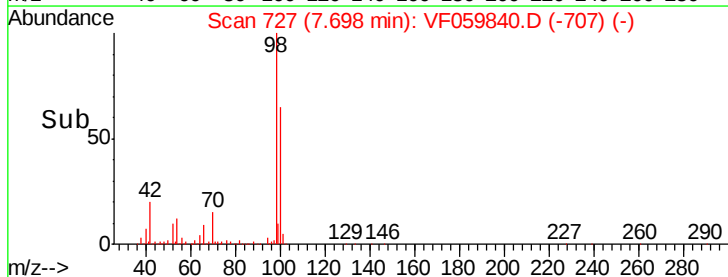
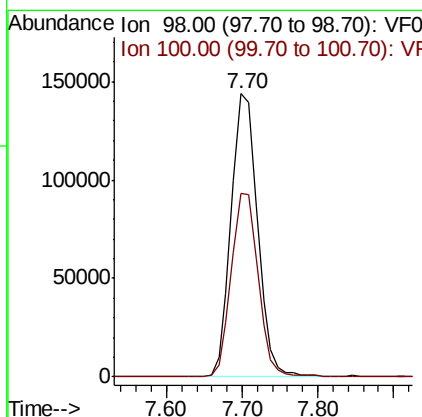
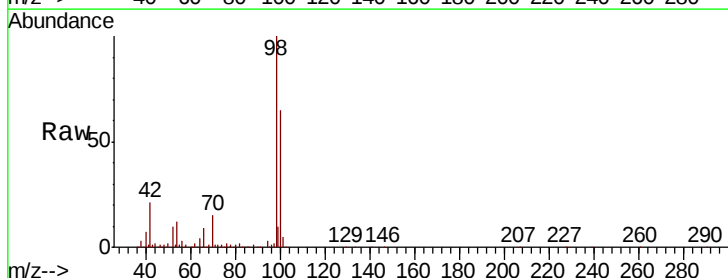
Manual Integrations
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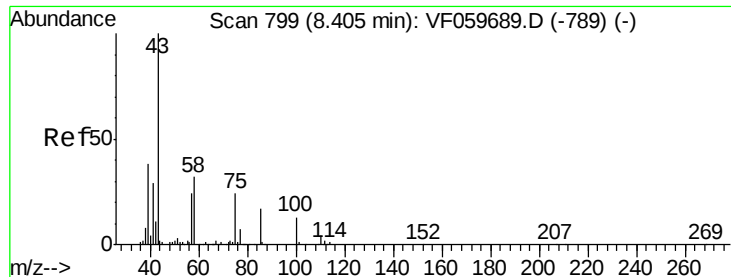
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#50
Toluene-d8
Concen: 49.75 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 103.45 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 43 Resp: 136040

Ion Ratio Lower Upper

43 100

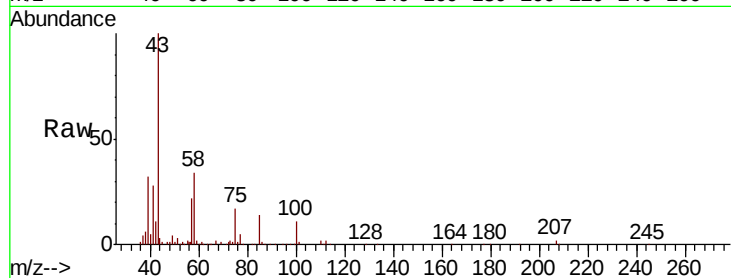
58 34.3 25.9 38.9

Manual Integrations

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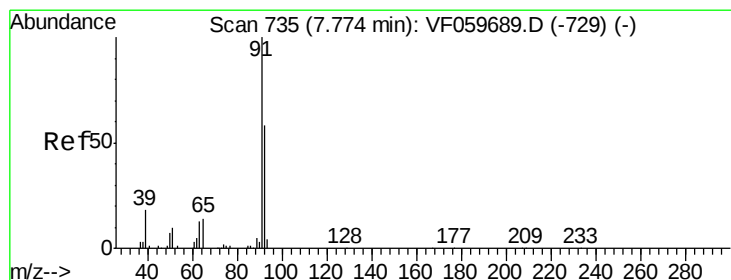
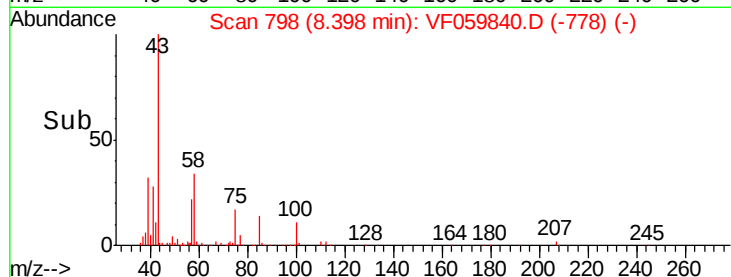
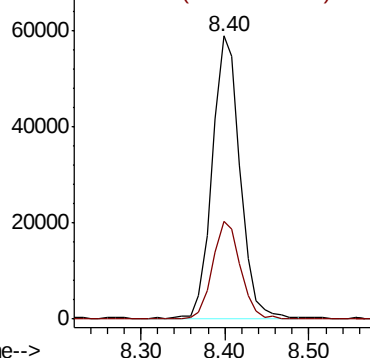
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.41 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059840.D

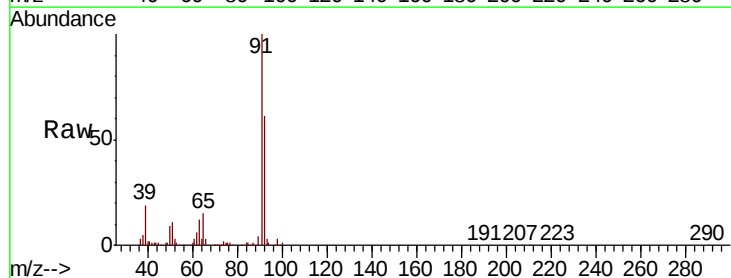
Acq: 3 Aug 2018 15:53

Tgt Ion: 92 Resp: 92768

Ion Ratio Lower Upper

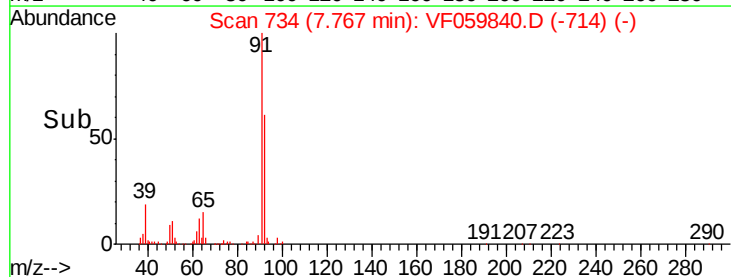
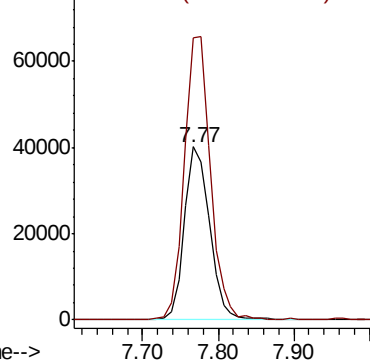
92 100

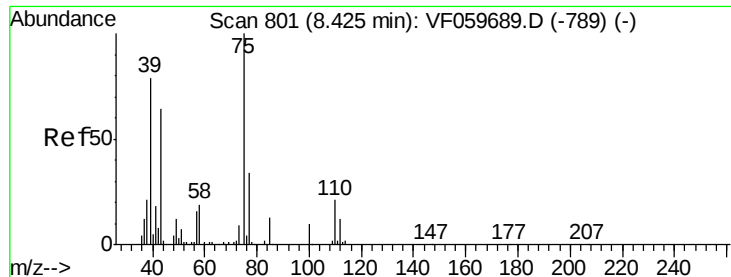
91 163.3 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.79 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 75 Resp: 71924

Ion Ratio Lower Upper

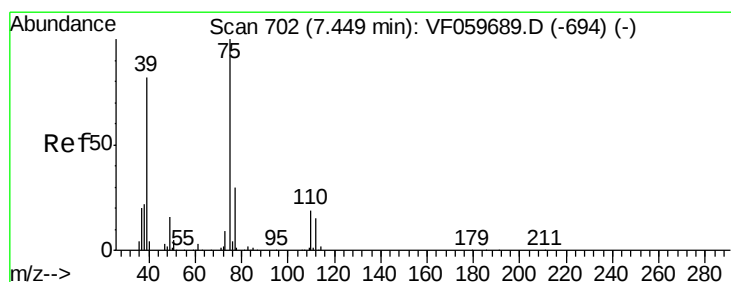
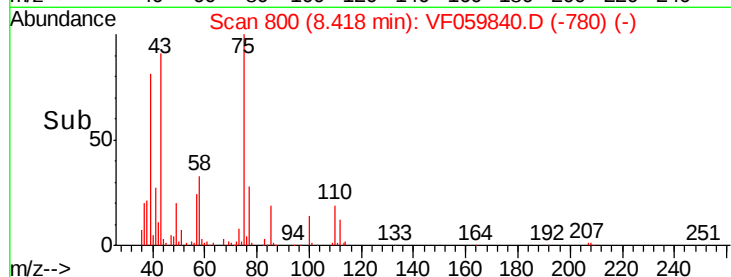
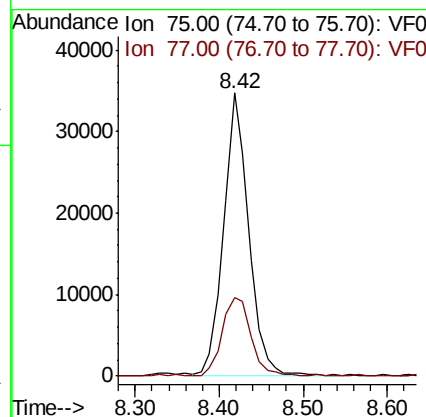
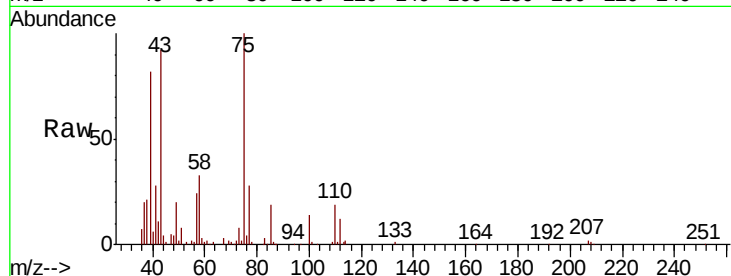
75 100

77 27.9 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 21.65 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

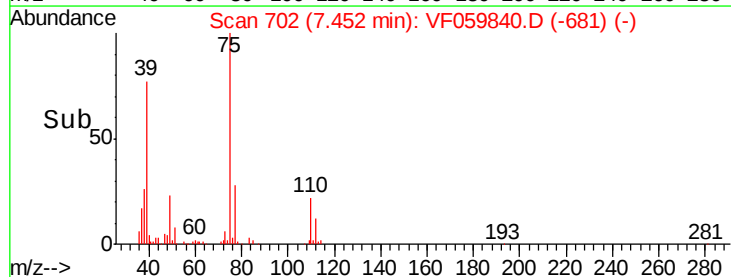
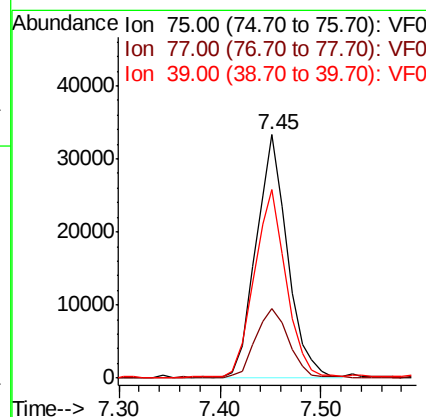
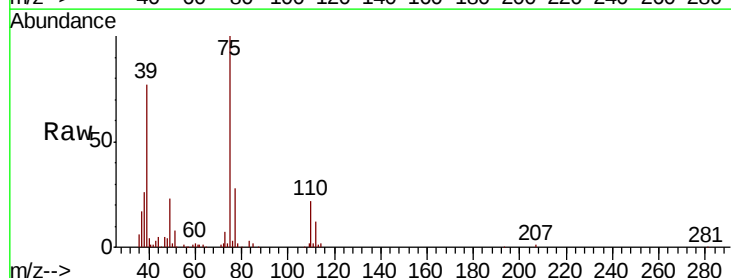
Tgt Ion: 75 Resp: 72539

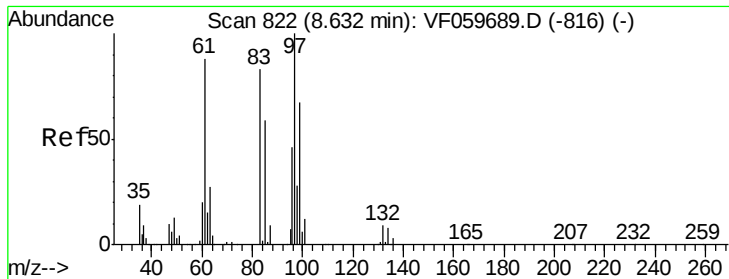
Ion Ratio Lower Upper

75 100

77 28.4 24.0 36.0

39 77.4 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 20.33 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

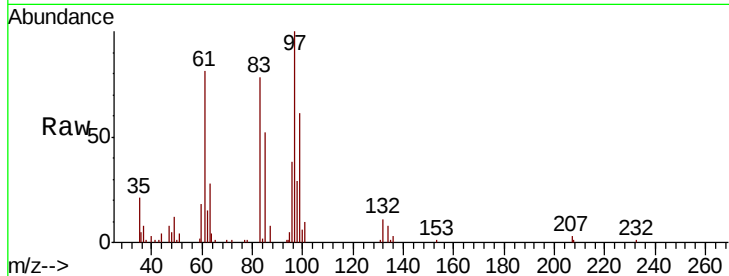
ClientSampleId :

VF0803SBSD01

Tot Ion:	97	Resp:	32154
Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.6	100.0
85	52.4	47.4	71.0
99	61.3	53.2	79.8

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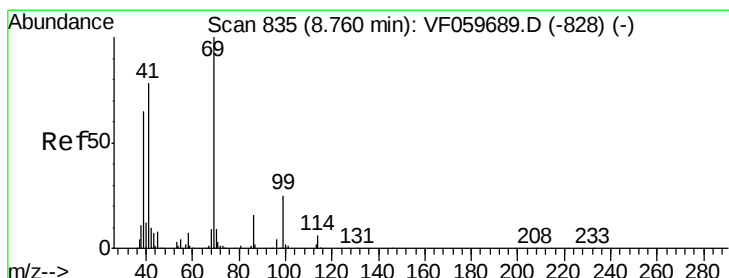
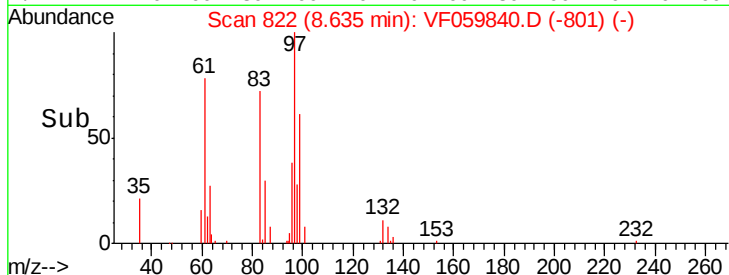
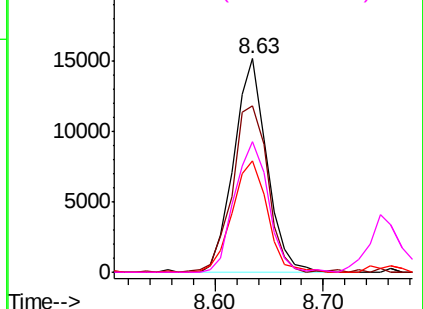


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.84 ug/l

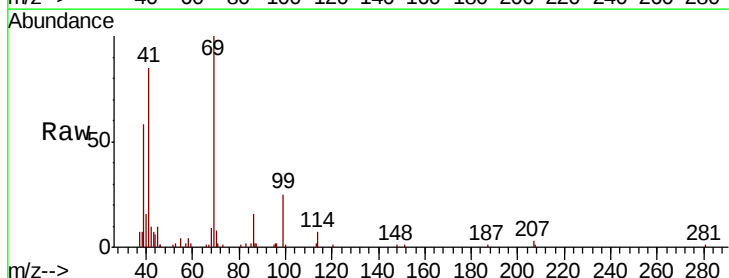
RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

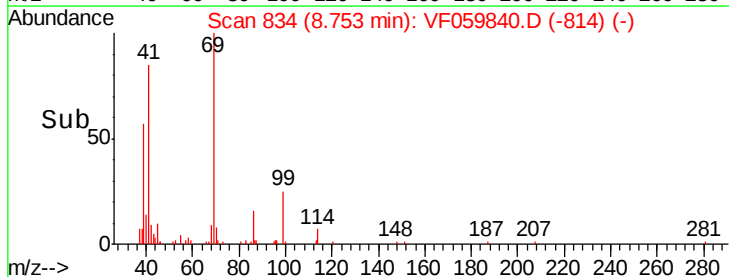
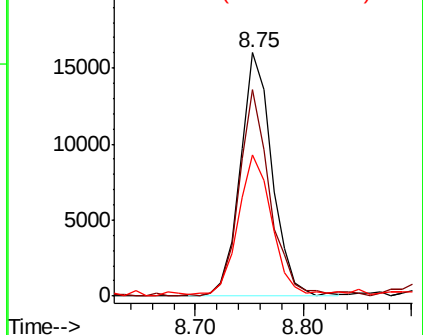
Tgt Ion:	69	Resp:	32724
Ion	Ratio	Lower	Upper
69	100		
41	84.8	62.3	93.5
39	58.3	52.4	78.6

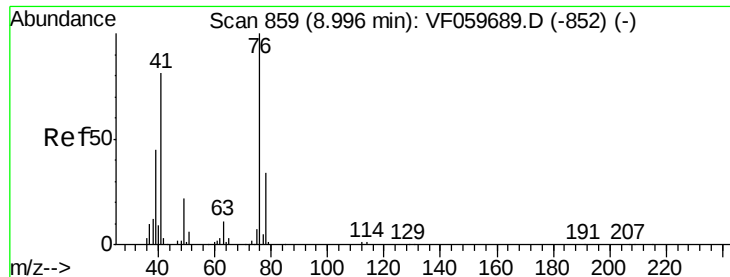


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.69 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 76 Resp: 56116

Ion Ratio Lower Upper

76 100

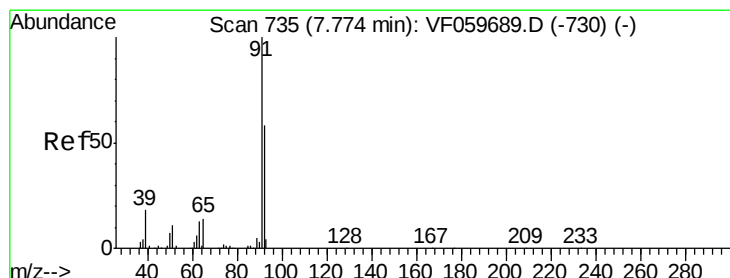
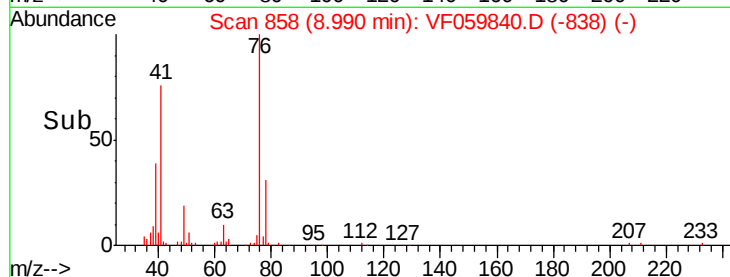
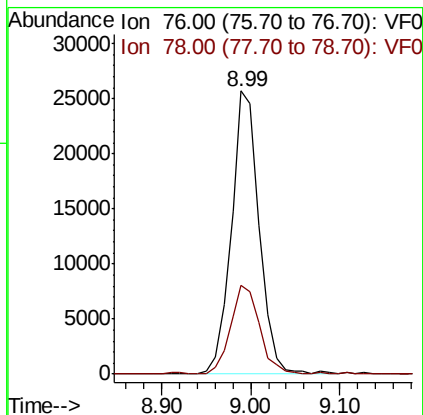
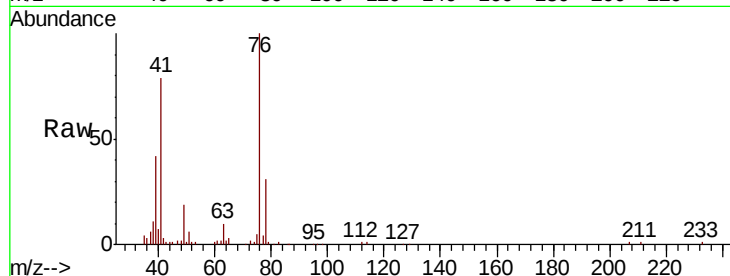
78 31.5 27.2 40.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.31 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059840.D

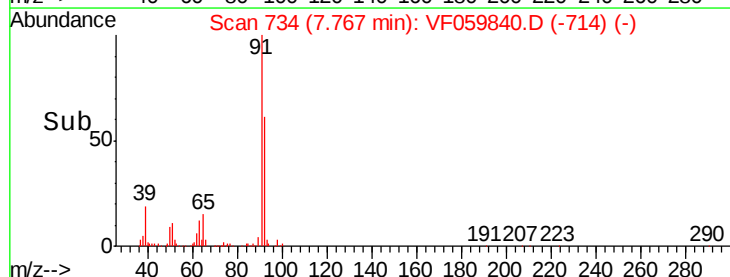
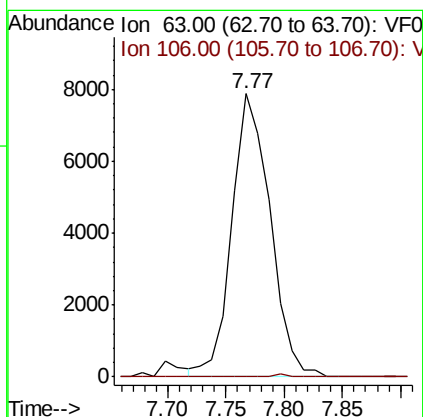
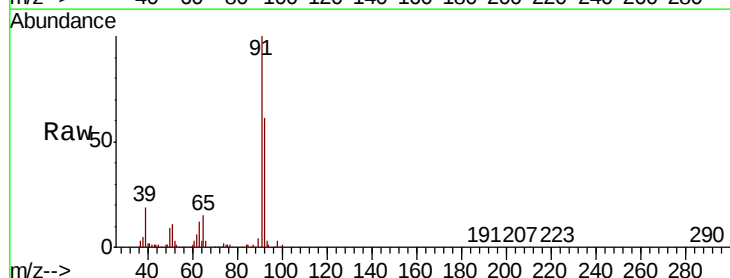
Acq: 3 Aug 2018 15:53

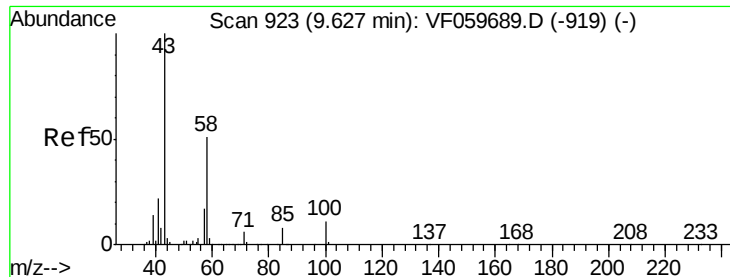
Tgt Ion: 63 Resp: 17957

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





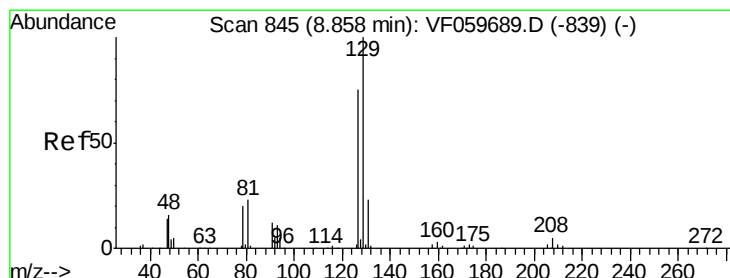
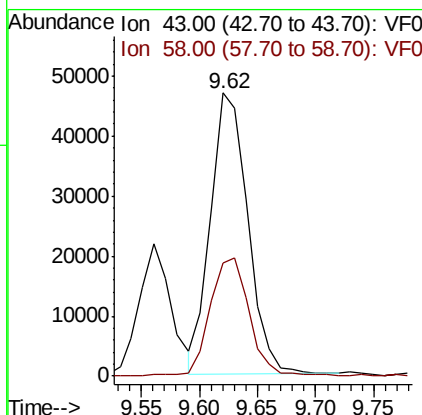
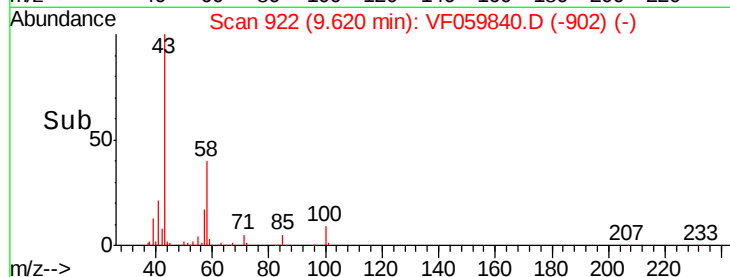
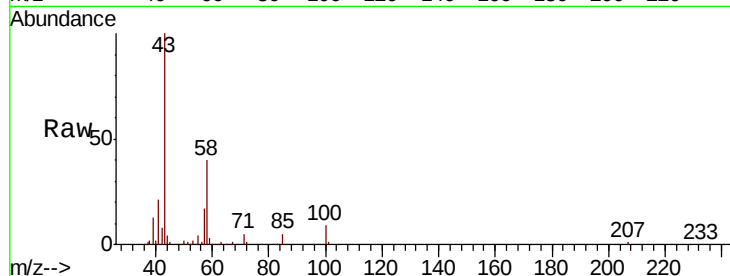
#59
2-Hexanone
Concen: 99.22 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	23.3	69.8

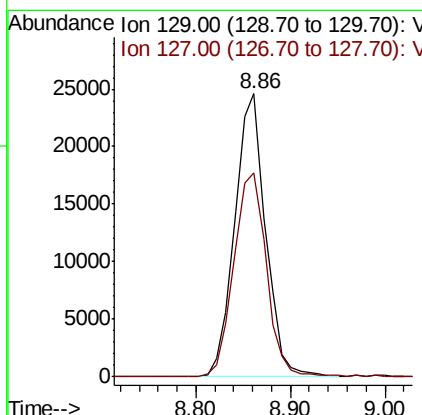
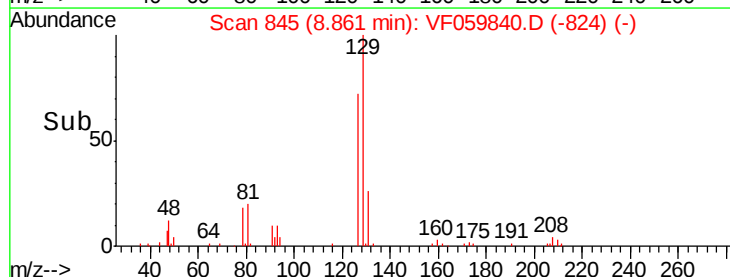
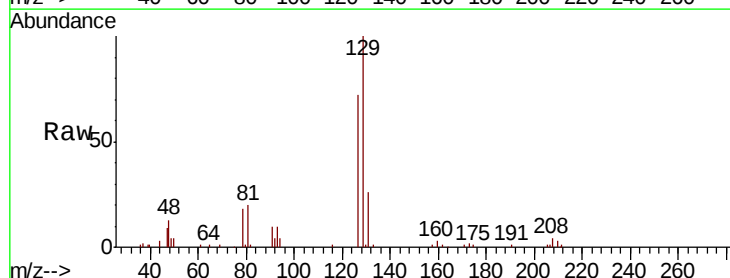
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#60
Dibromochloromethane
Concen: 19.90 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.2	37.7	113.1





#61

1,2-Dibromoethane

Concen: 21.38 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampled :

VF0803SBSD01

Tot Ion:107 Resp: 39474

Ion Ratio Lower Upper

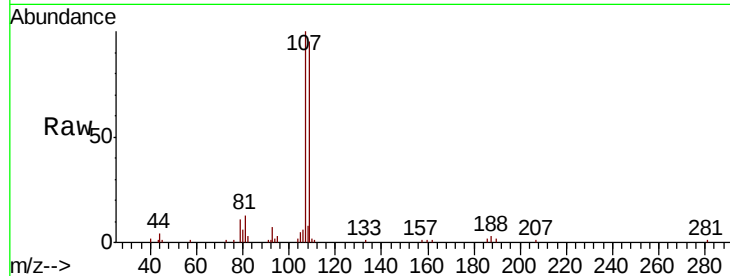
107 100

109 94.8 73.6 110.4

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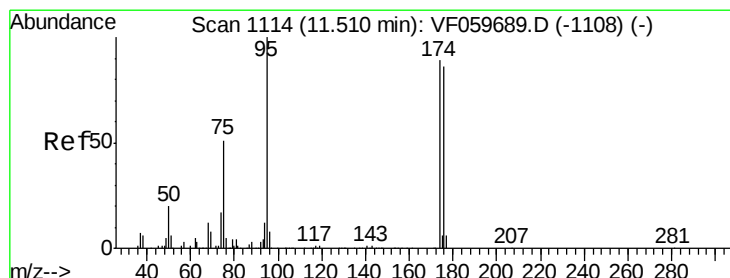
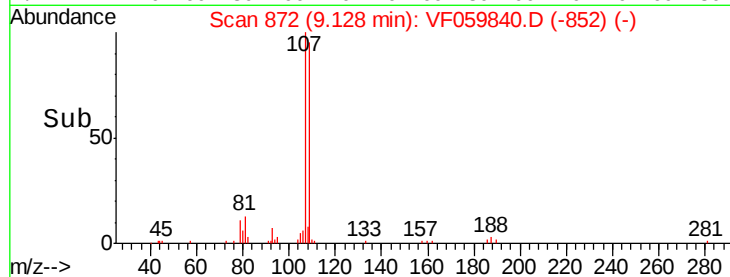
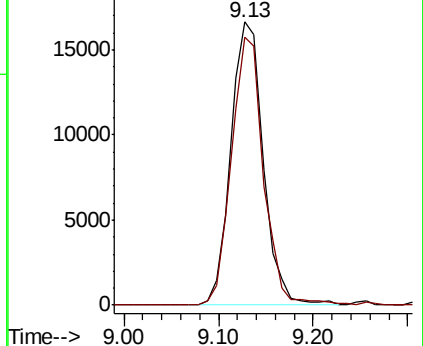
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.64 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

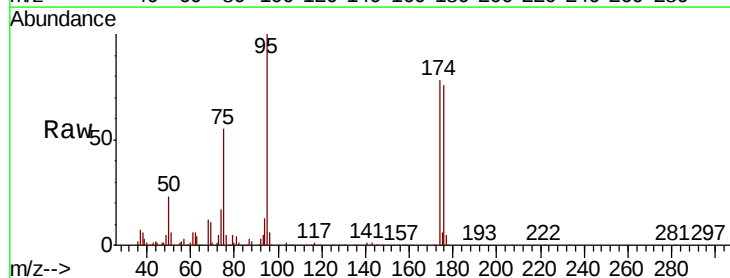
Tgt Ion: 95 Resp: 188575

Ion Ratio Lower Upper

95 100

174 78.0 0.0 178.4

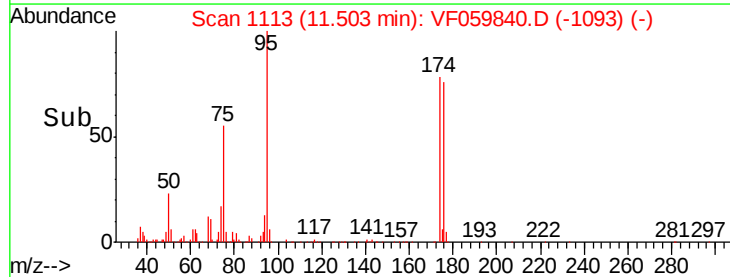
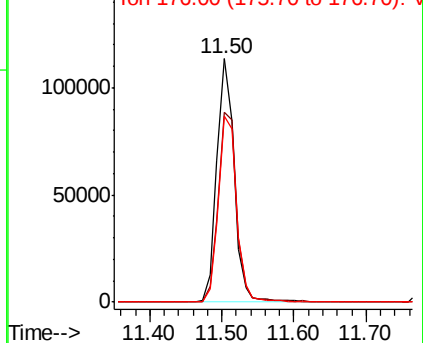
176 76.4 0.0 173.0

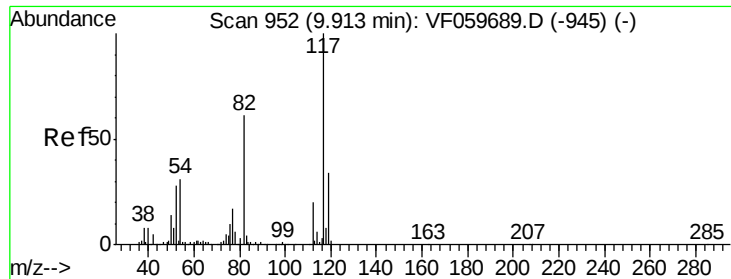


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





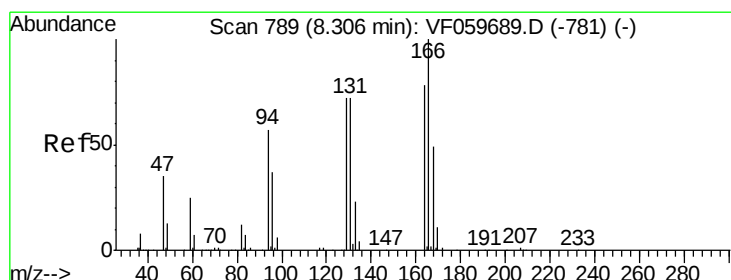
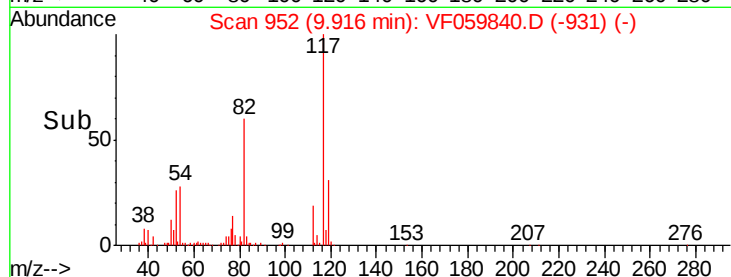
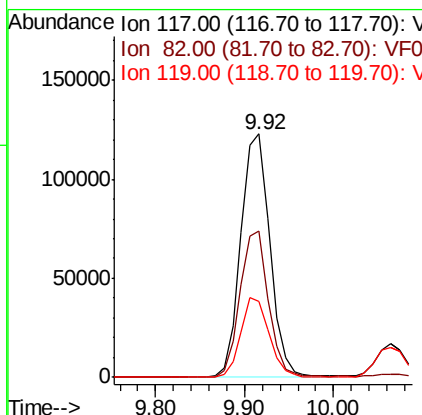
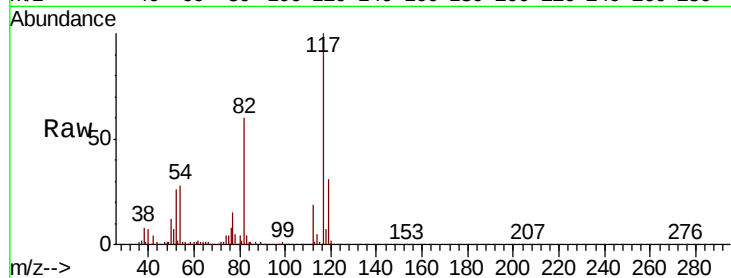
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	280142		
82	60.3		49.0	73.4
119	31.4		27.3	40.9

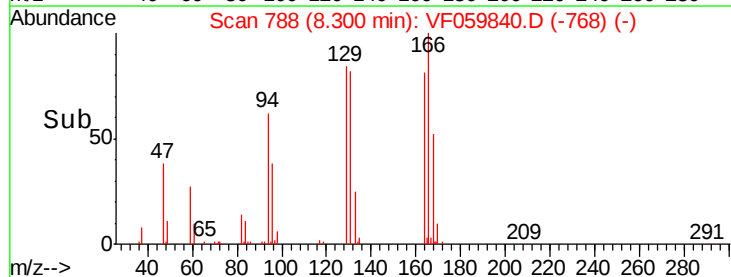
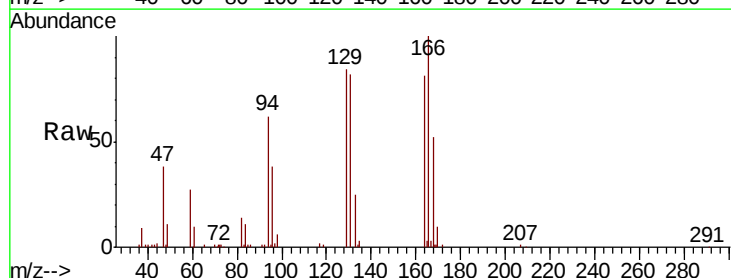
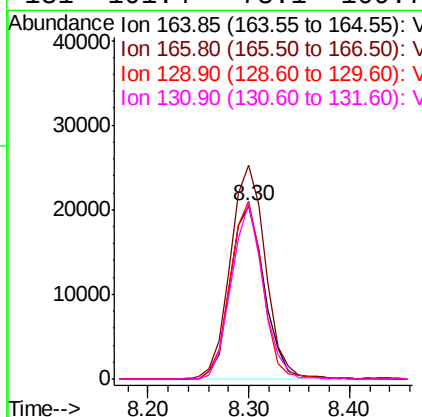
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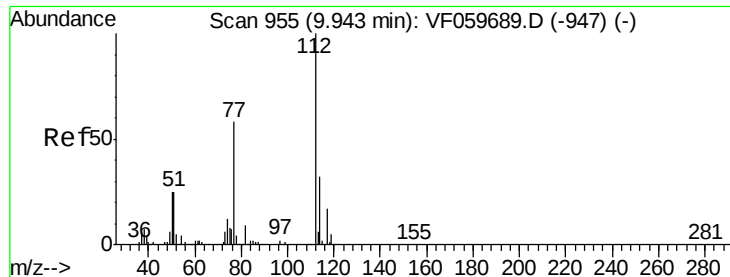
apatel
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#64
Tetrachloroethene
Concen: 23.16 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48292		
166	123.3		102.1	153.1
129	103.1		73.8	110.6
131	101.4		73.1	109.7





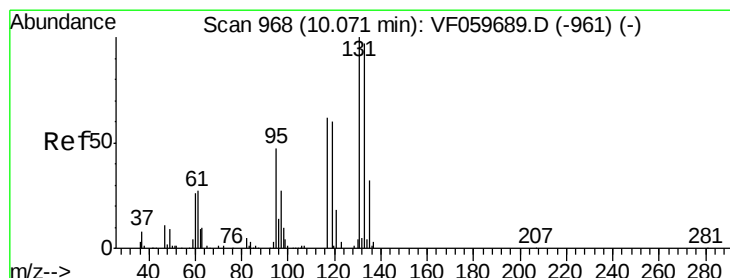
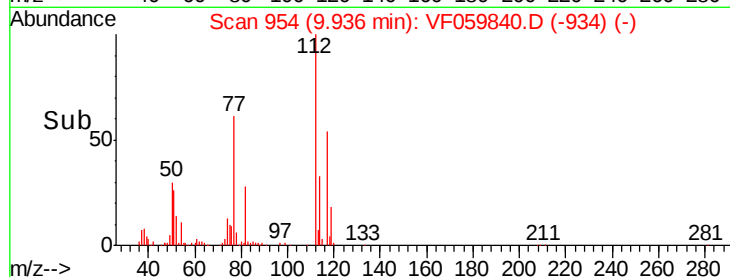
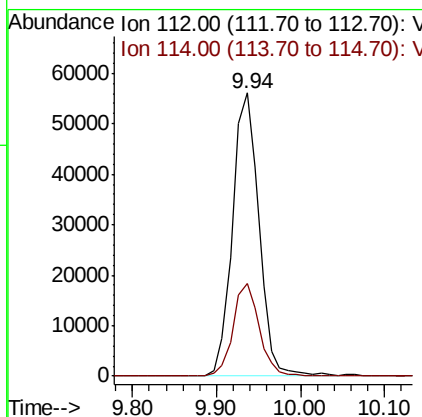
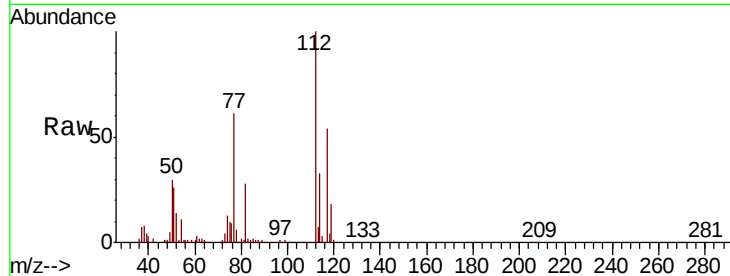
#65
Chlorobenzene
Concen: 21.98 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.6	38.4

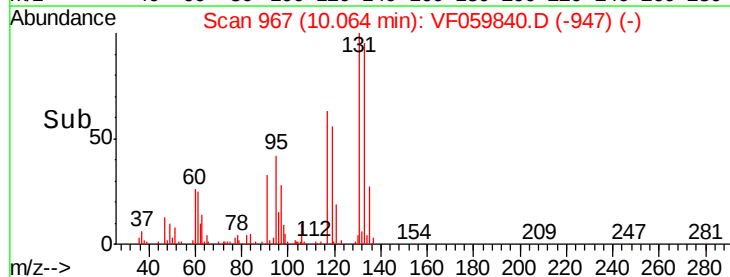
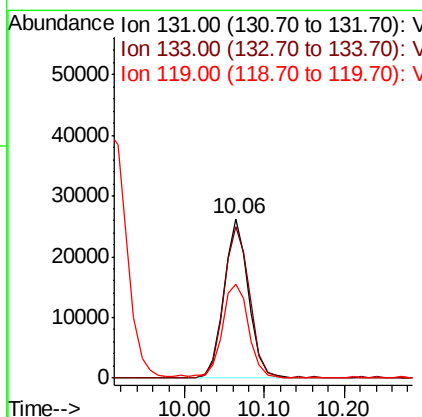
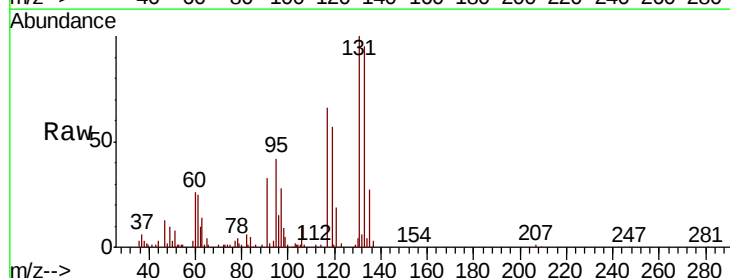
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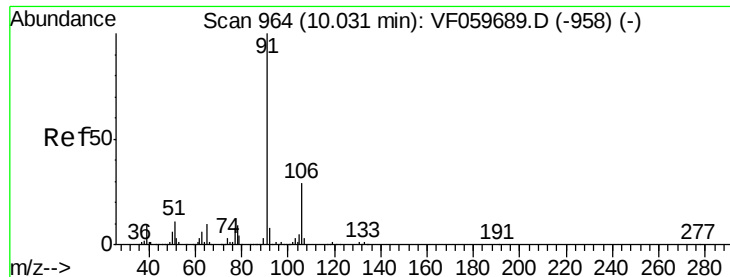
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.84 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.5	145.5
119	58.6	30.3	90.8





#67

Ethyl Benzene

Concen: 22.56 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 91 Resp: 218741

Ion Ratio Lower Upper

91 100

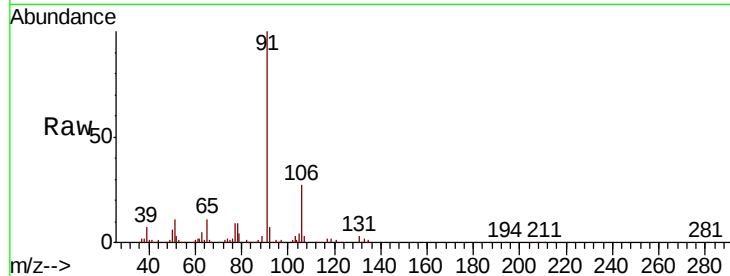
106 27.5 22.9 34.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

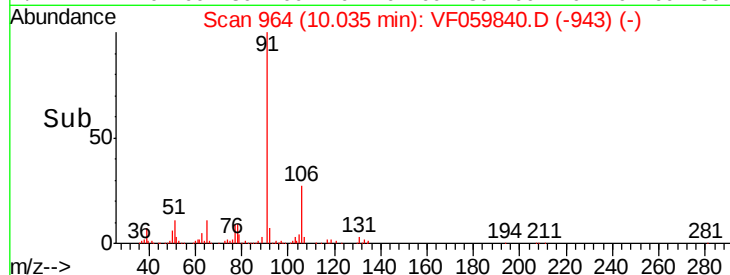
150000

100000

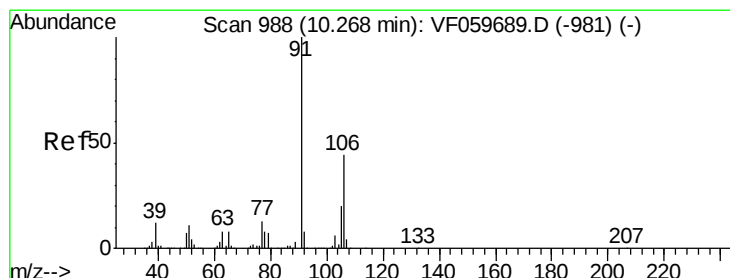
50000

0

Time-->



Time-->



#68

m/p-Xylenes

Concen: 44.38 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059840.D

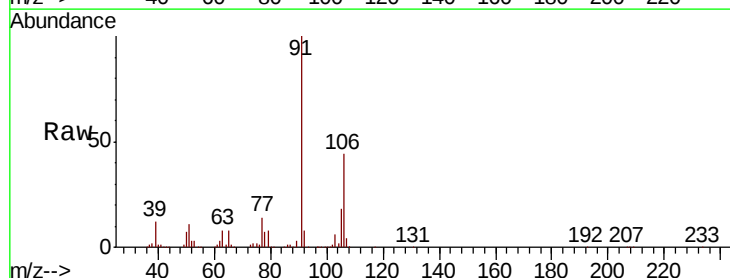
Acq: 3 Aug 2018 15:53

Tgt Ion:106 Resp: 147742

Ion Ratio Lower Upper

106 100

91 228.1 181.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

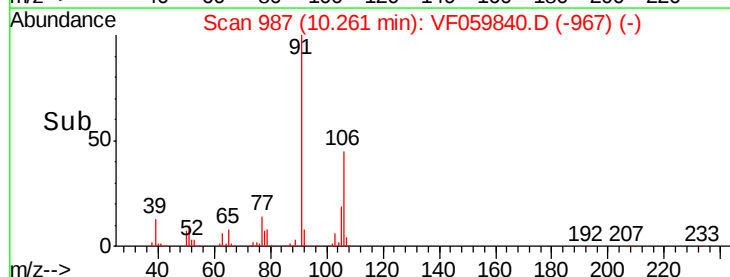
150000

100000

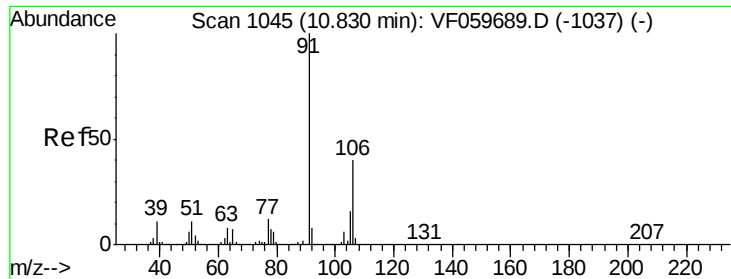
50000

0

Time-->



Time-->



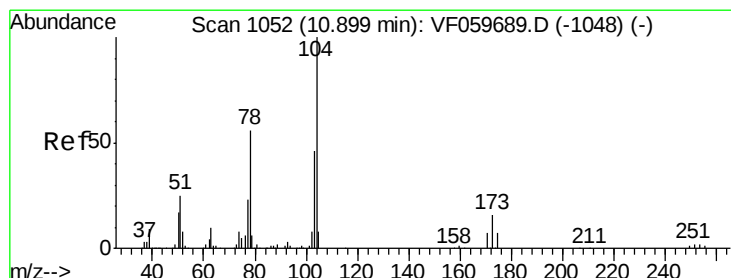
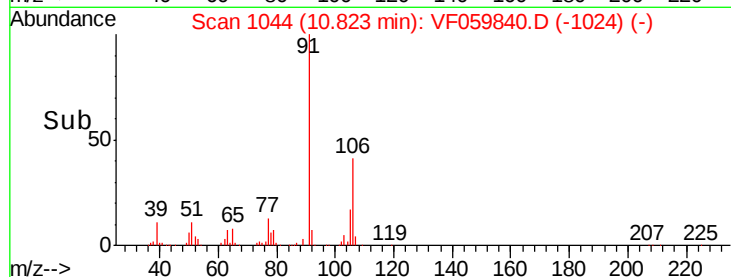
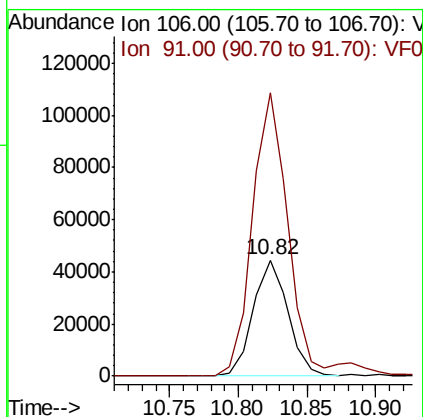
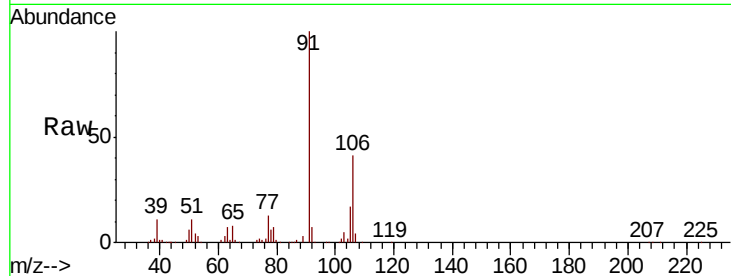
#69
o-Xylene
Concen: 22.05 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion:106 Resp: 78762
Ion Ratio Lower Upper
106 100
91 244.2 124.6 373.7

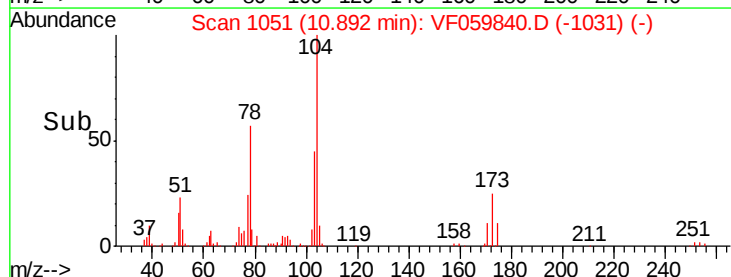
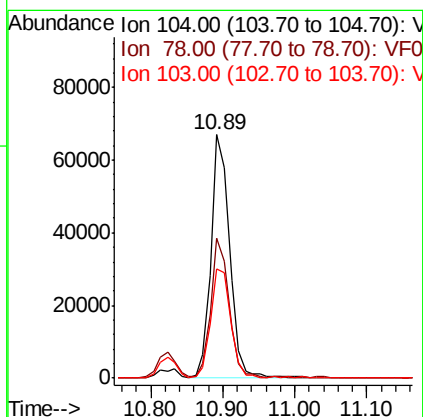
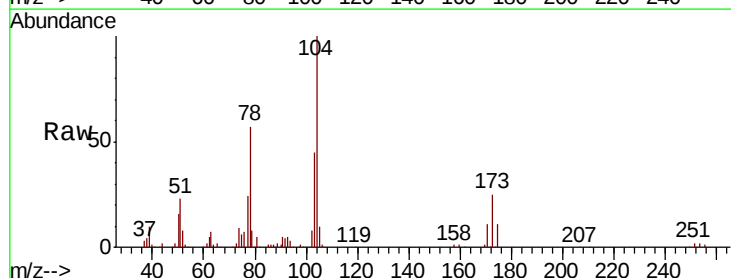
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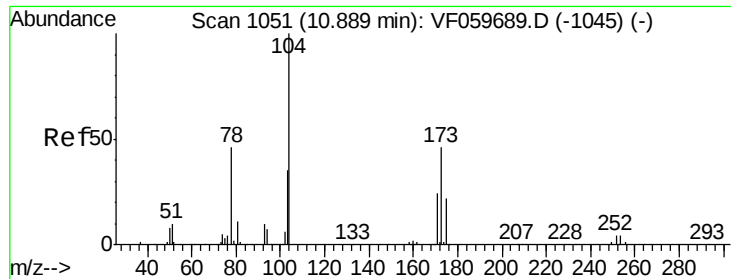
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#70
Styrene
Concen: 21.99 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion:104 Resp: 119039
Ion Ratio Lower Upper
104 100
78 57.3 45.3 67.9
103 45.1 36.6 54.8





#71

Bromoform

Concen: 21.24 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

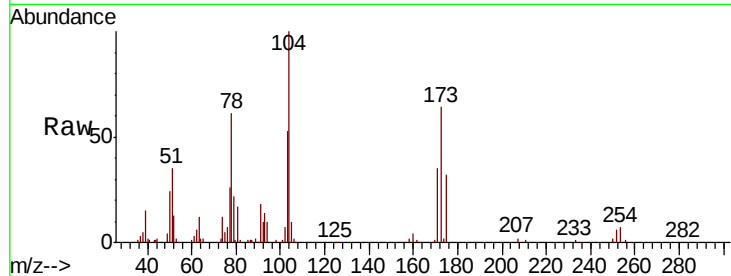
ClientSampleId :

VF0803SBSD01

Tot Ion:	173	Resp:	36219
Ion Ratio	Lower	Upper	
173	100		
175	49.8	23.4	70.0
254	0.0	0.0	0.0

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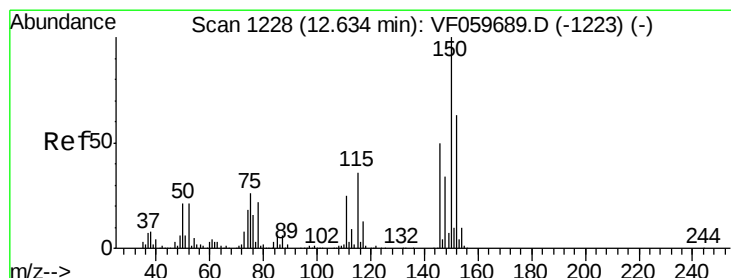
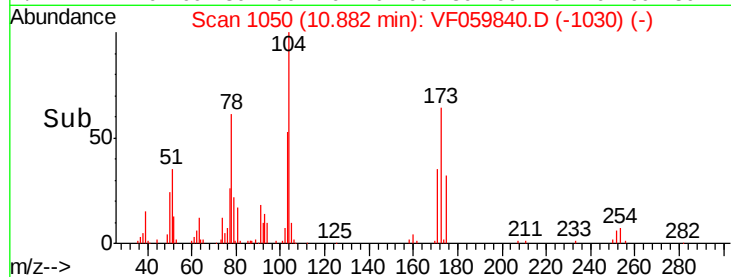
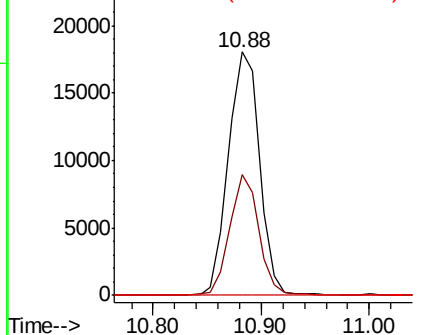


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

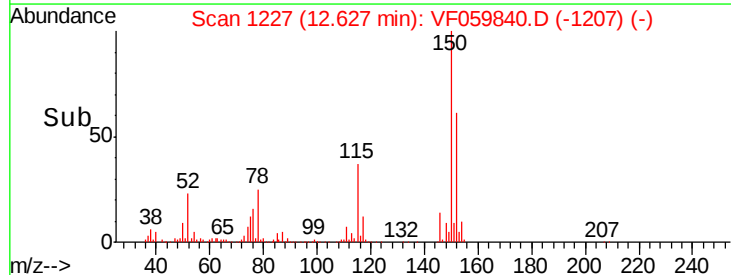
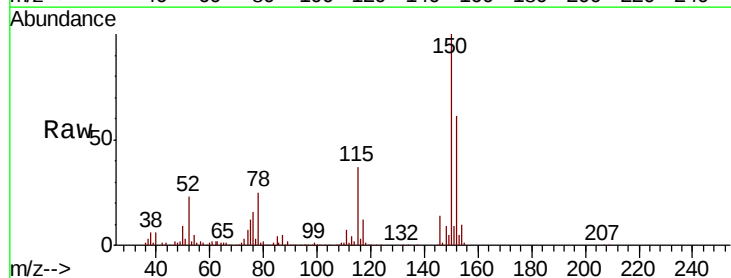
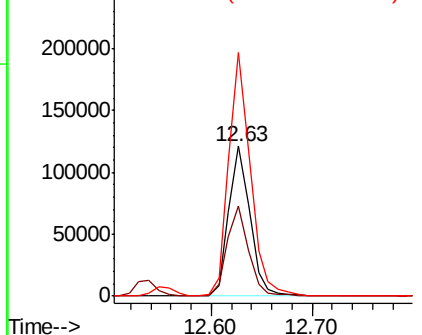
Tgt Ion:	152	Resp:	178917
Ion Ratio	Lower	Upper	
152	100		
115	60.2	28.2	84.6
150	162.8	0.0	316.2

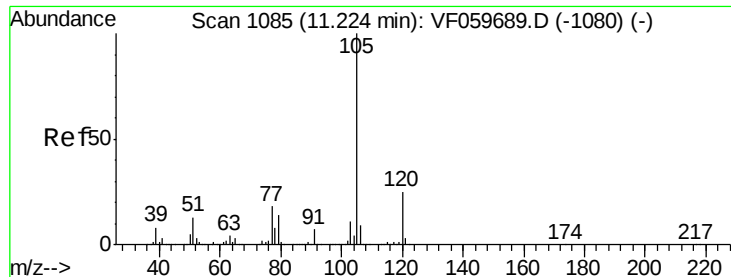
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.53 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion:105 Resp: 252801

Ion Ratio Lower Upper

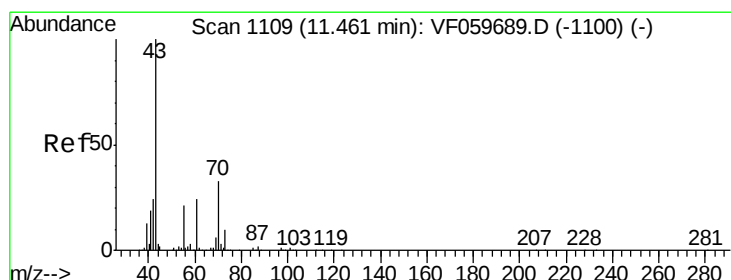
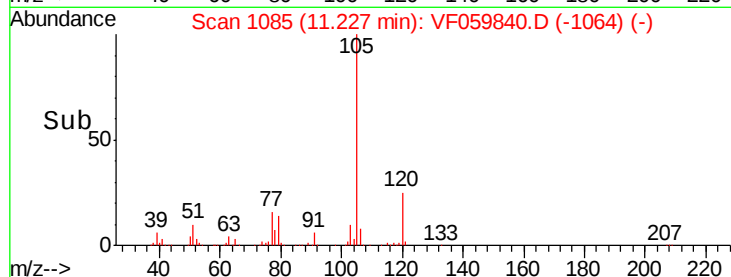
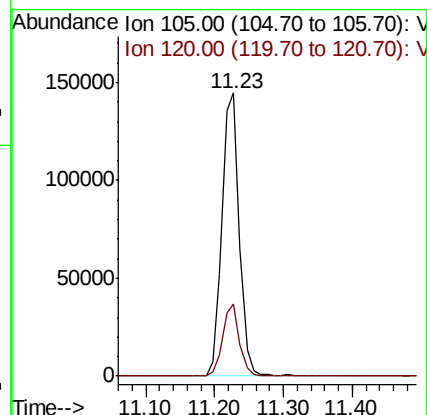
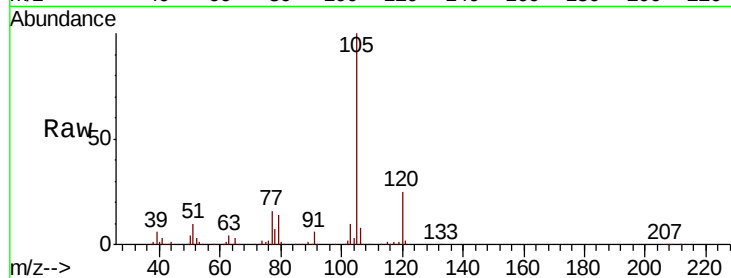
105 100

120 25.4 12.4 37.4

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#74

N-ethyl acetate

Concen: 20.44 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion: 43 Resp: 60533

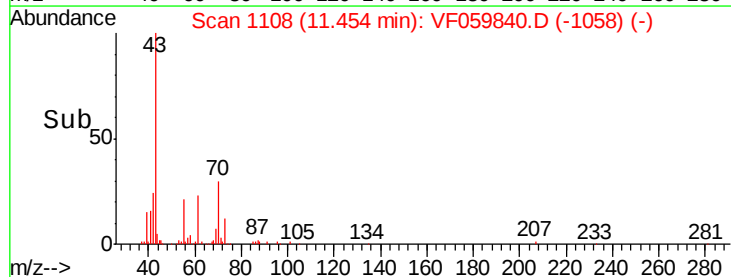
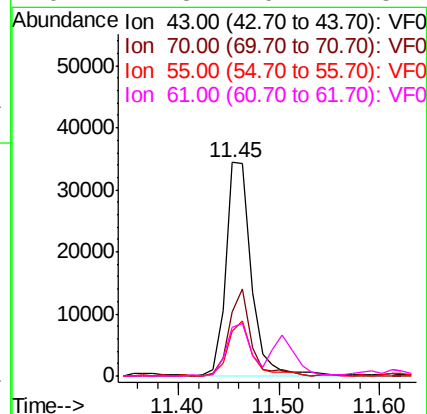
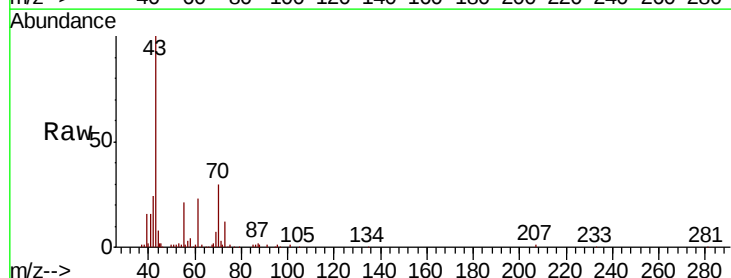
Ion Ratio Lower Upper

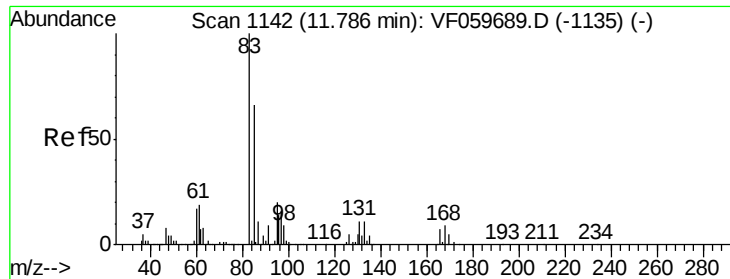
43 100

70 30.2 26.3 39.5

55 20.9 16.6 25.0

61 22.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.75 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

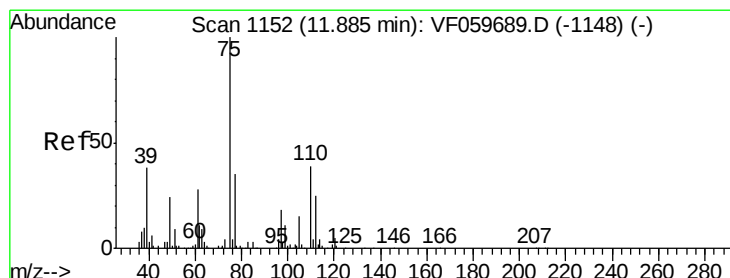
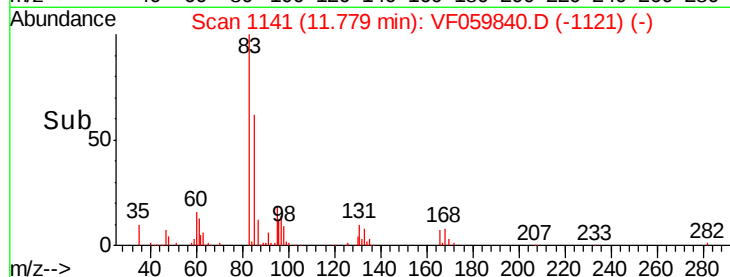
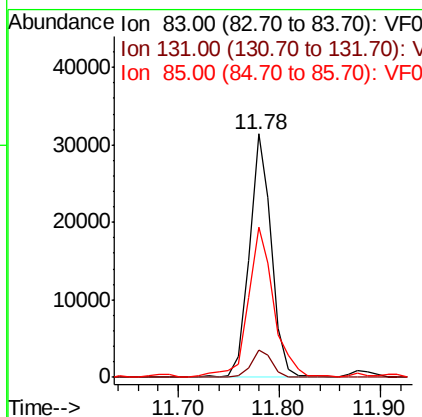
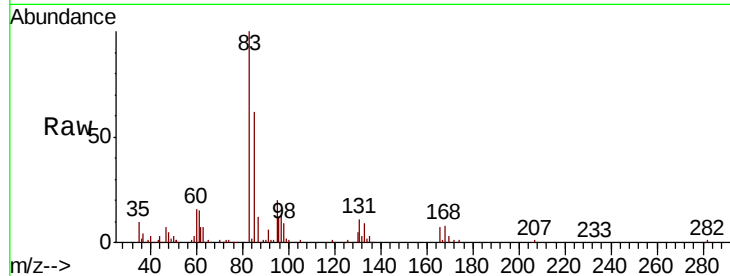
ClientSampleId :

VF0803SBS01

Tot Ion:	83	Resp:	48070
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.3
85	61.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.72 ug/l

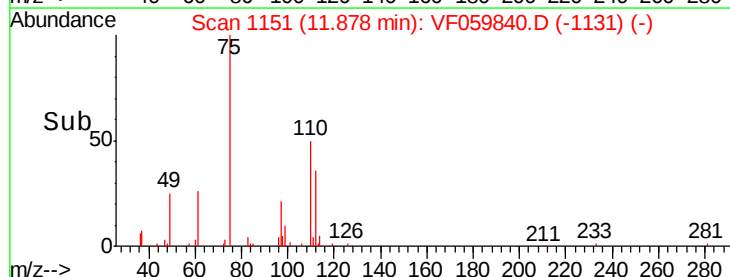
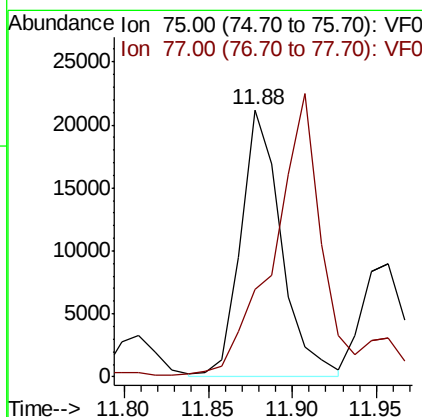
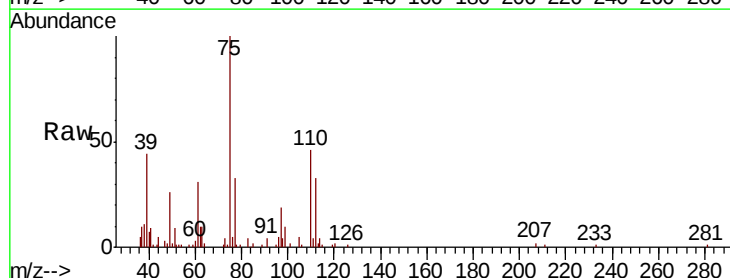
RT: 11.88 min Scan# 1151

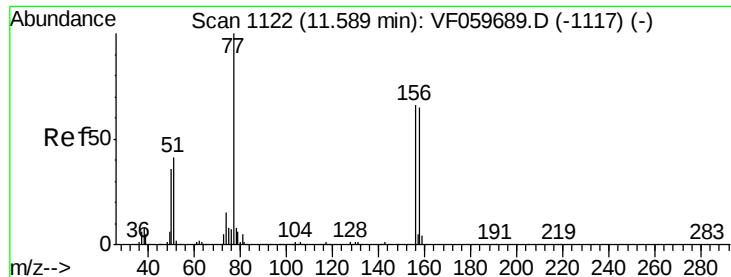
Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	75	Resp:	35169
Ion Ratio	Lower	Upper	
75	100		
77	32.9	18.0	54.0





#77

Bromobenzene

Concen: 20.98 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

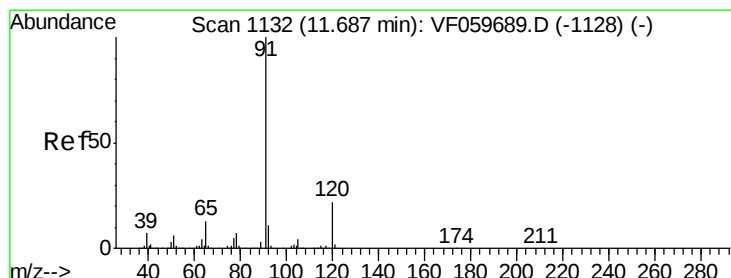
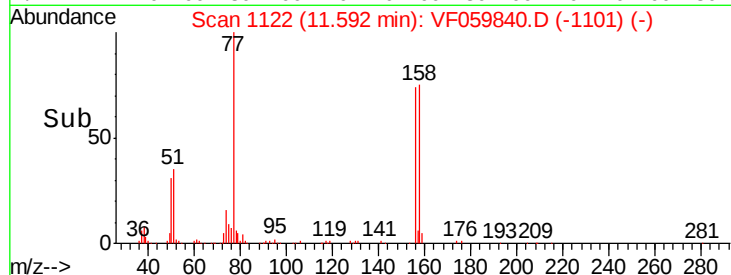
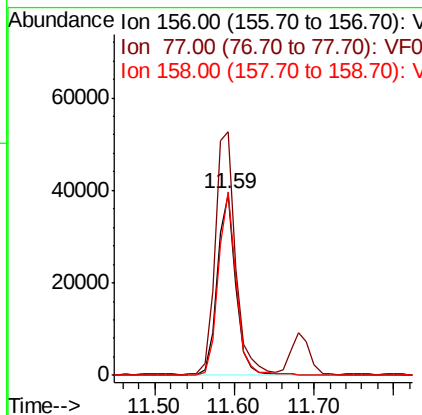
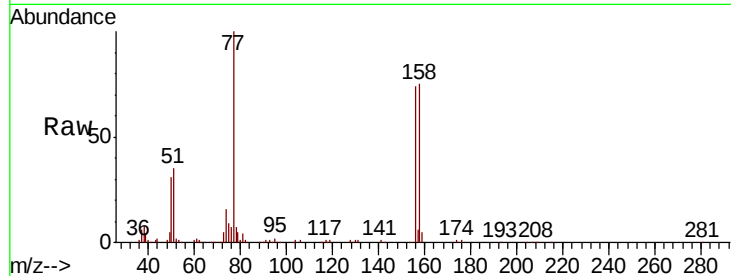
ClientSampleId :

VF0803SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	134.4	75.2	225.6	
158	101.2	49.1	147.3	

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#78

n-propylbenzene

Concen: 22.53 ug/l

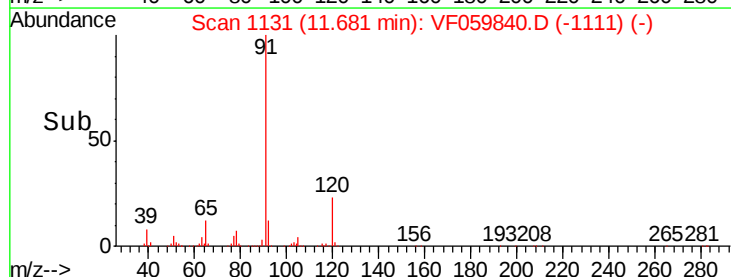
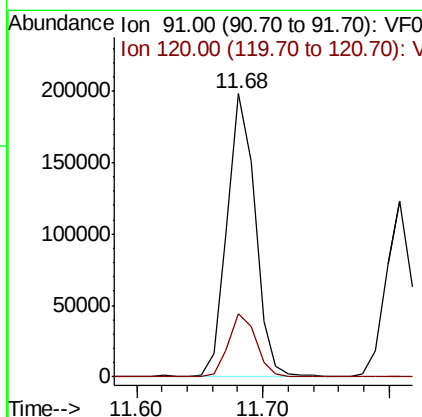
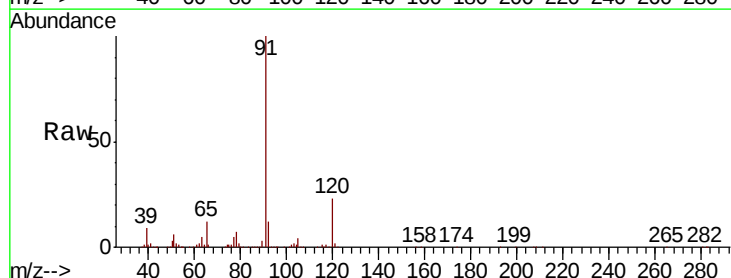
RT: 11.68 min Scan# 1131

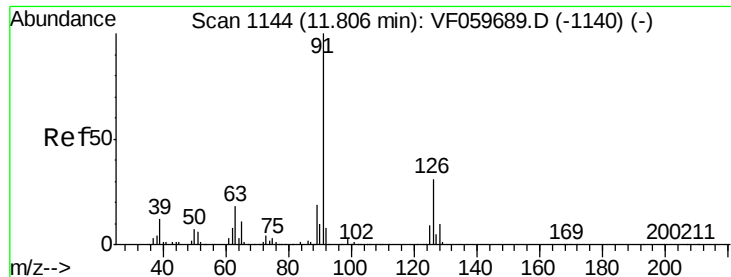
Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.0	33.0	





#79

2-Chlorotoluene

Concen: 20.97 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 91 Resp: 178097

Ion Ratio Lower Upper

91 100

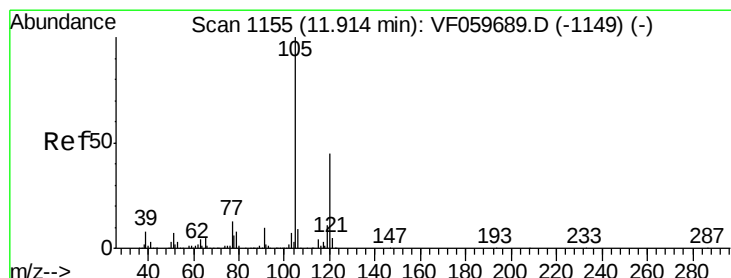
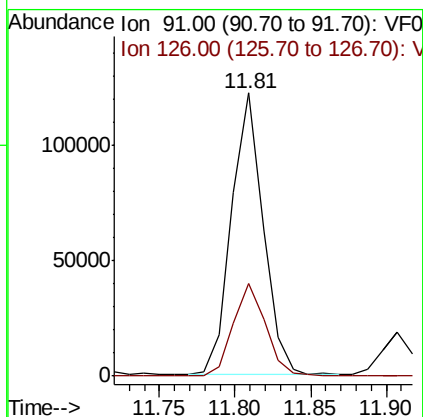
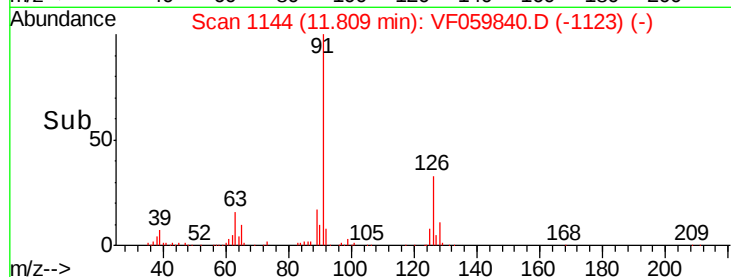
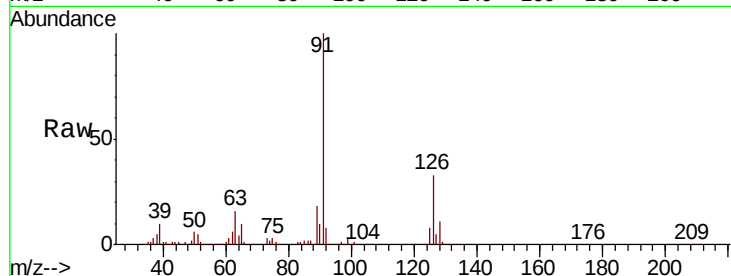
126 32.8 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 21.90 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059840.D

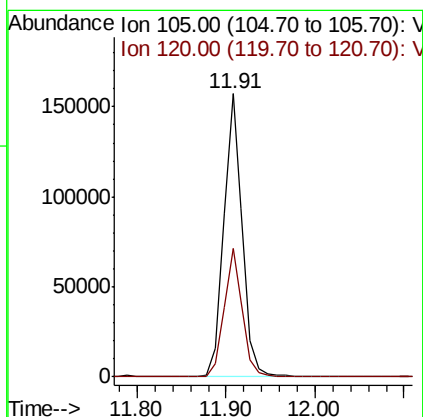
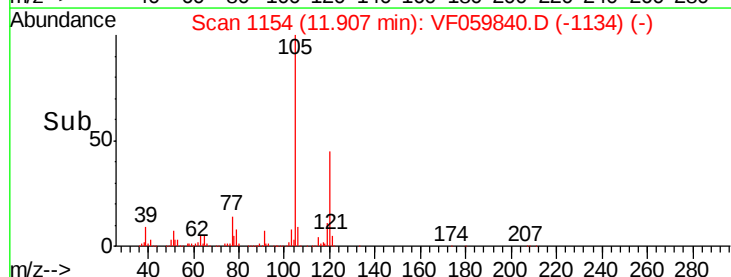
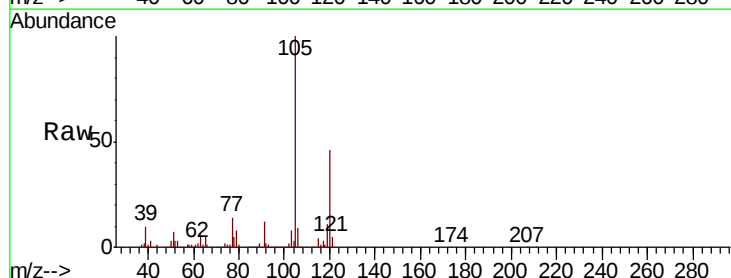
Acq: 3 Aug 2018 15:53

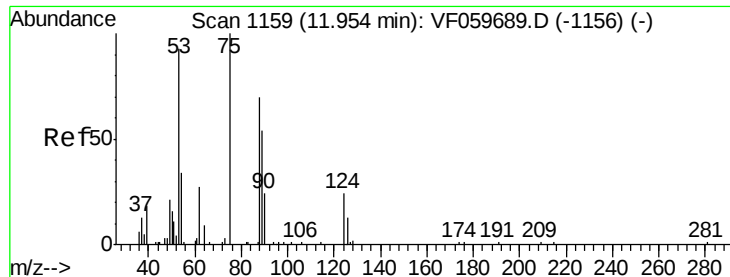
Tgt Ion:105 Resp: 229253

Ion Ratio Lower Upper

105 100

120 45.6 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.11 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBSD01

Tot Ion: 75 Resp: 14875

Ion Ratio Lower Upper

75 100

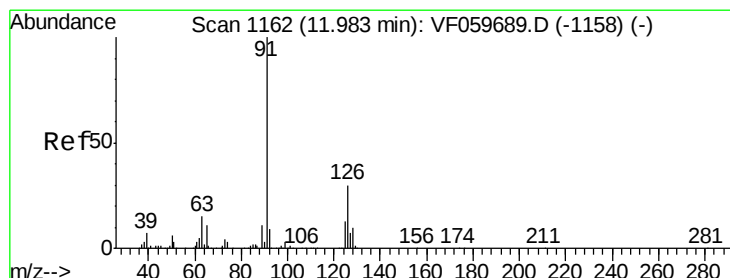
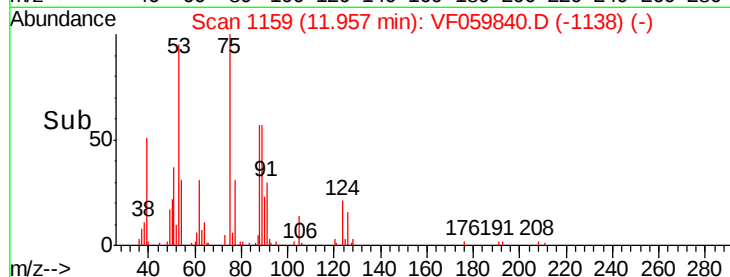
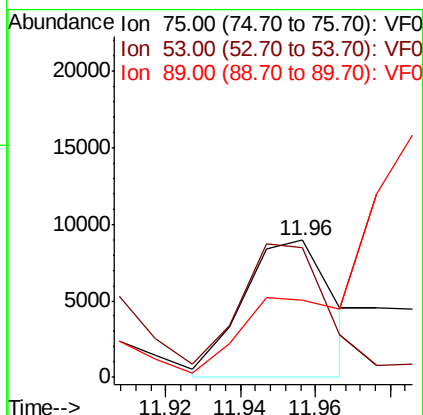
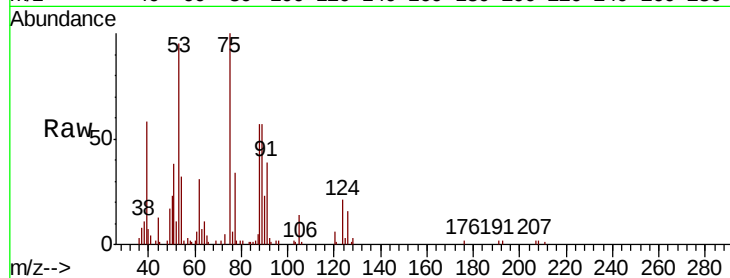
53 94.8 78.3 117.5

89 56.8 45.4 68.2

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#82

4-Chlorotoluene

Concen: 21.79 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059840.D

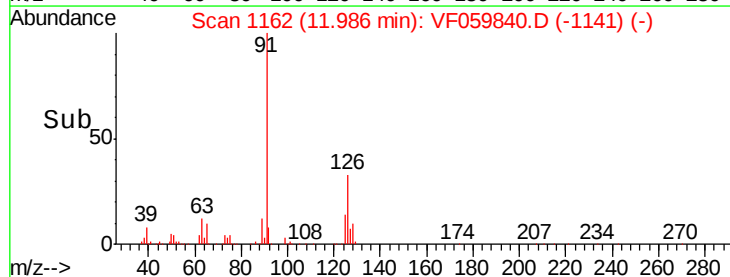
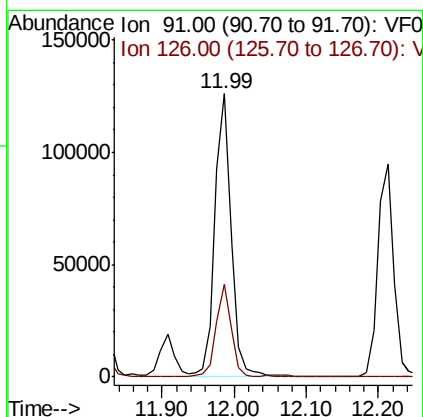
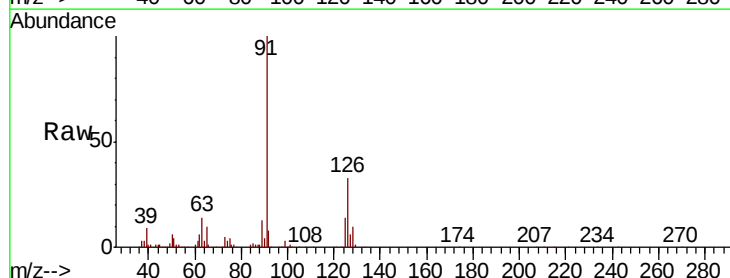
Acq: 3 Aug 2018 15:53

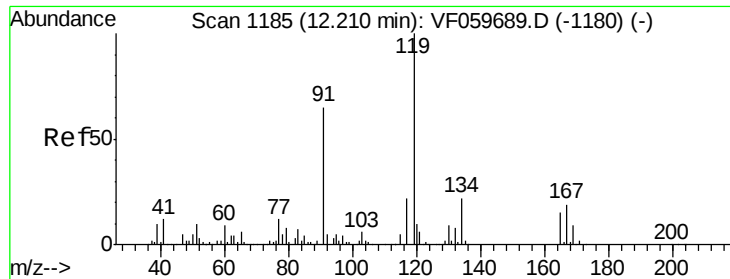
Tgt Ion: 91 Resp: 194581

Ion Ratio Lower Upper

91 100

126 32.6 15.2 45.6





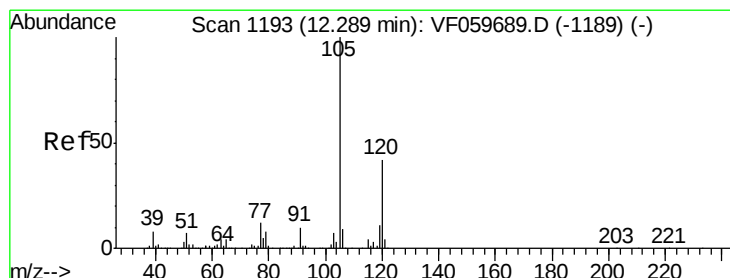
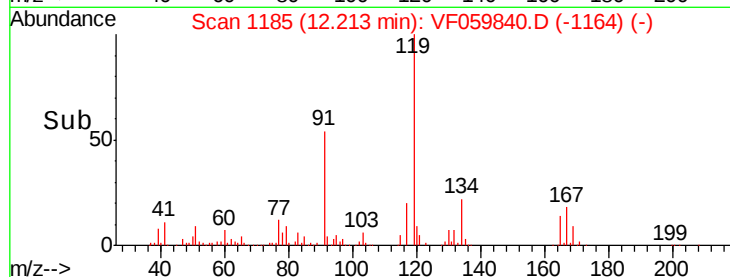
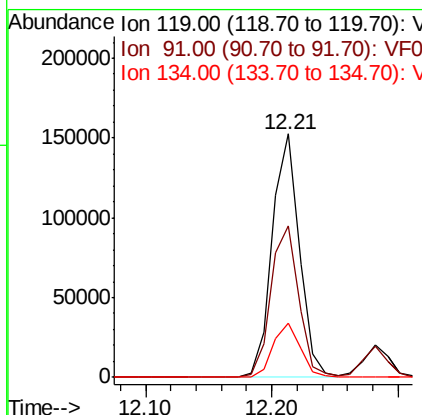
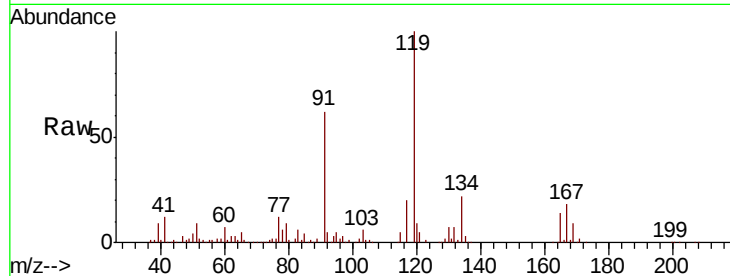
#83
 tert-Butylbenzene
 Concen: 21.76 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229303		
91	62.3		32.8	98.4
134	22.2		10.9	32.7

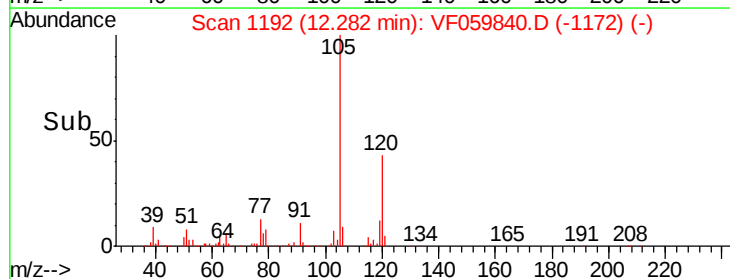
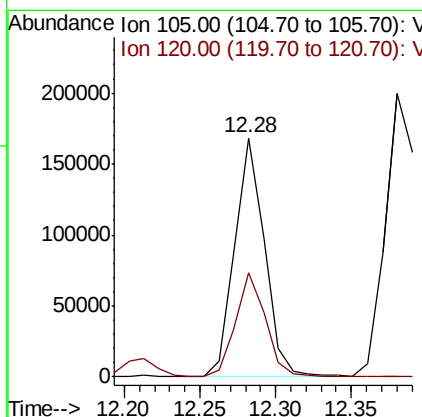
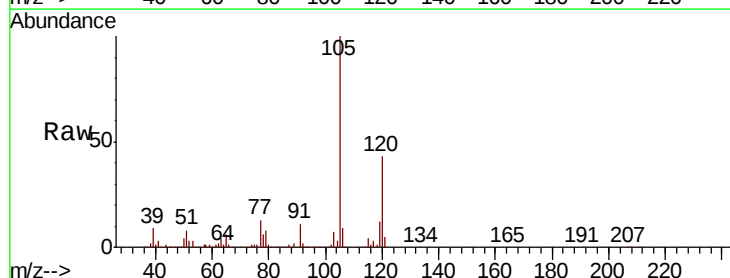
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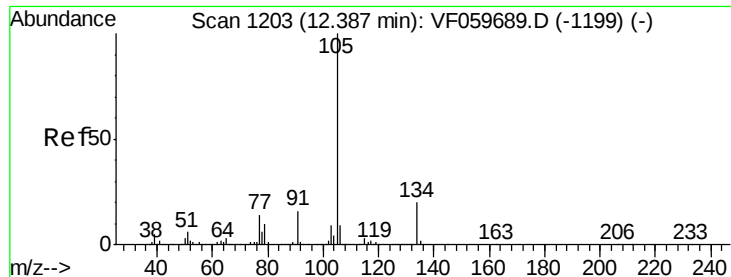
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.88 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230823		
120	43.4		21.1	63.3





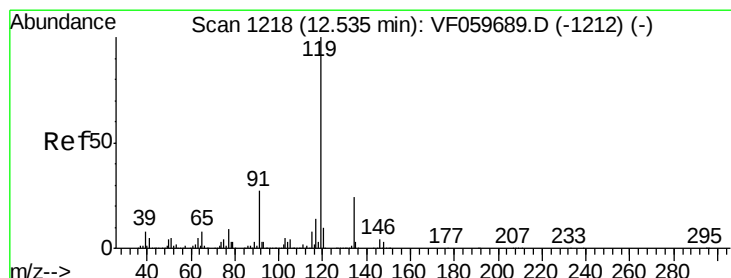
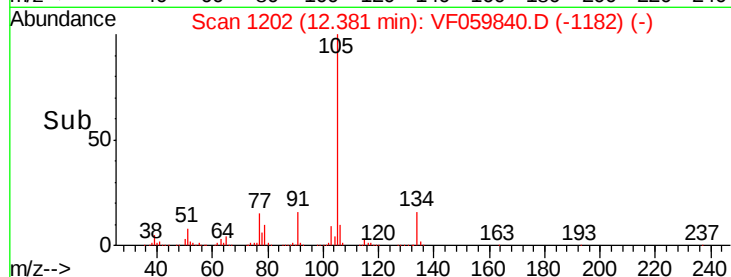
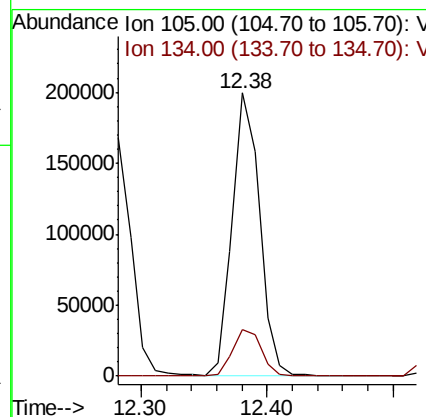
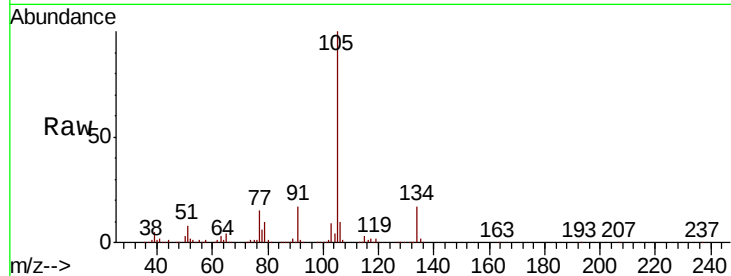
#85
 sec-Butylbenzene
 Concen: 21.93 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	299233		
134	16.6	9.8	29.3	

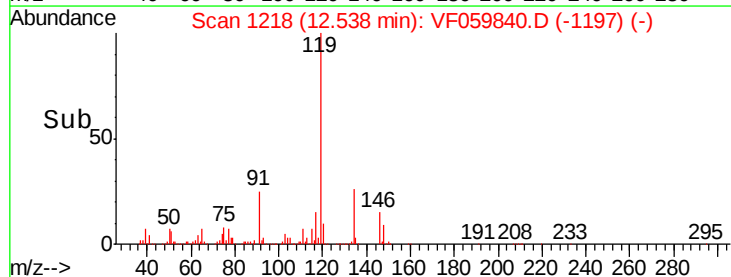
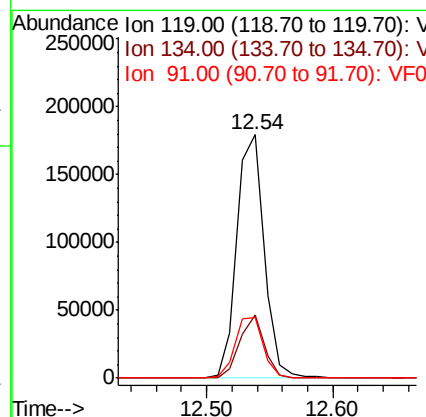
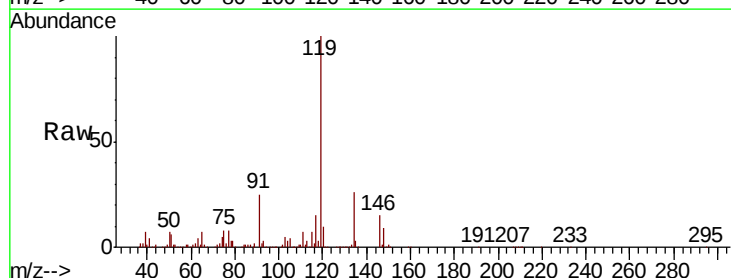
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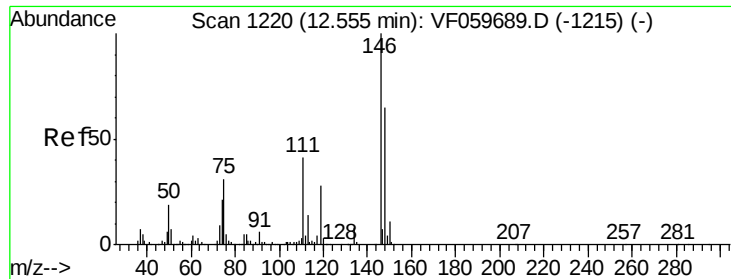
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#86
 p-Isopropyltoluene
 Concen: 22.53 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	267681		
134	25.8	12.2	36.6	
91	25.1	13.4	40.2	





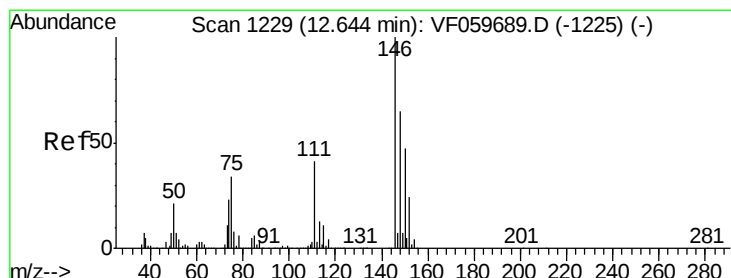
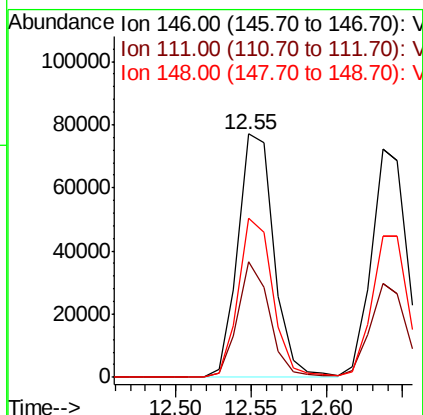
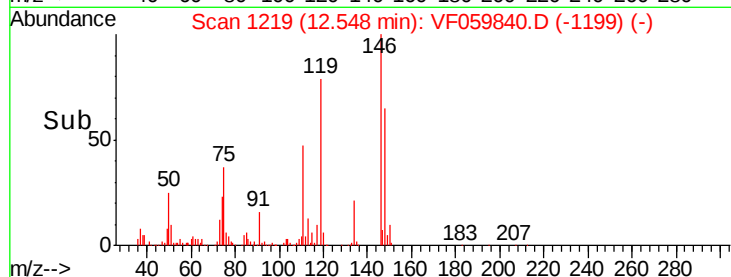
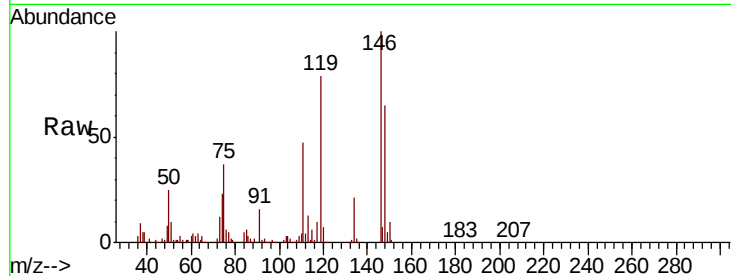
#87
 1,3-Dichlorobenzene
 Concen: 22.38 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128165		
111	47.4	20.7	62.1	
148	65.1	32.3	96.8	

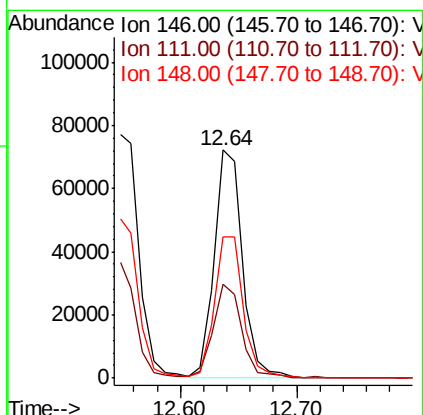
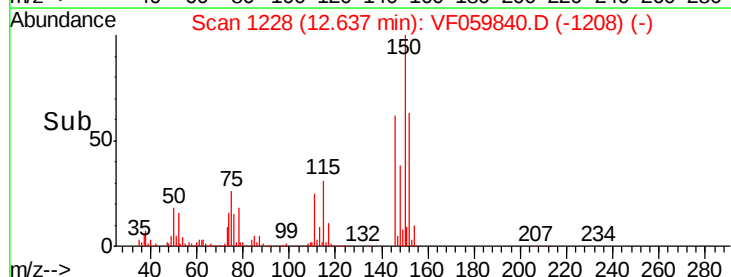
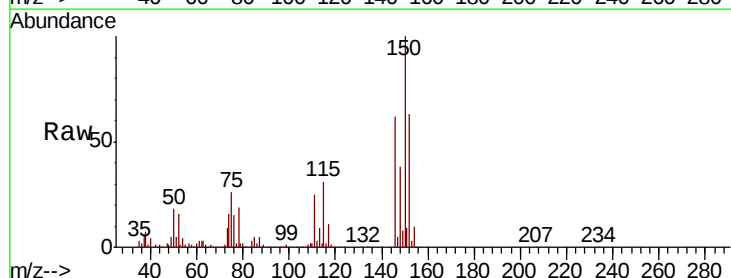
Manual Integrations
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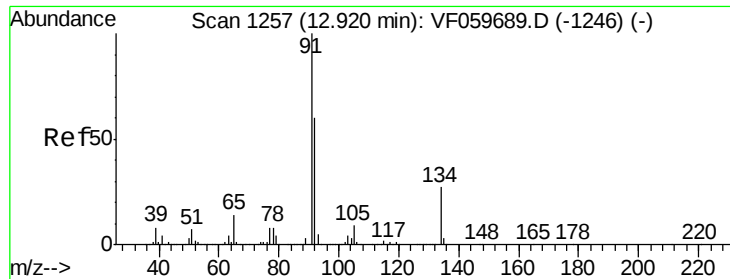
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#88
 1,4-Dichlorobenzene
 Concen: 21.57 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121079		
111	40.9	20.8	62.2	
148	62.0	32.3	96.9	





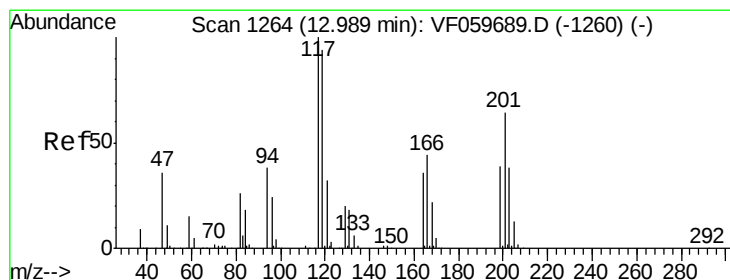
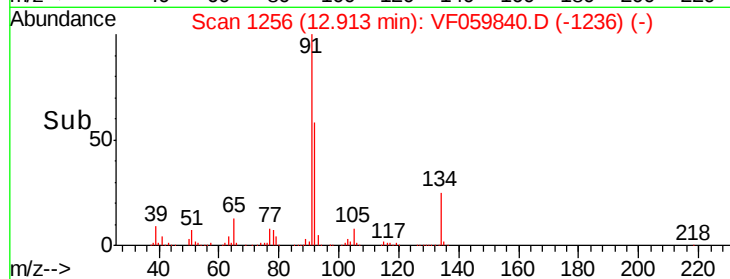
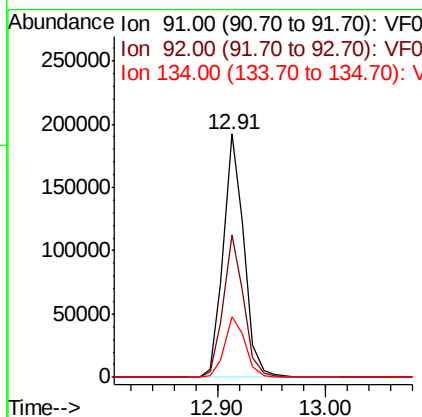
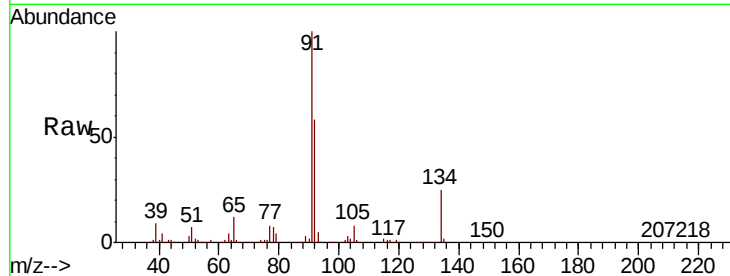
#89
n-Butylbenzene
Concen: 22.74 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	256683		
92	58.4		30.1	90.3
134	24.9		13.7	41.0

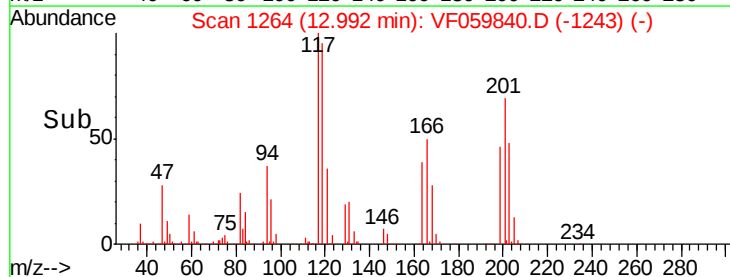
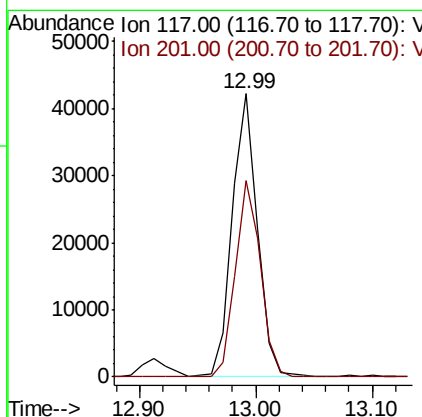
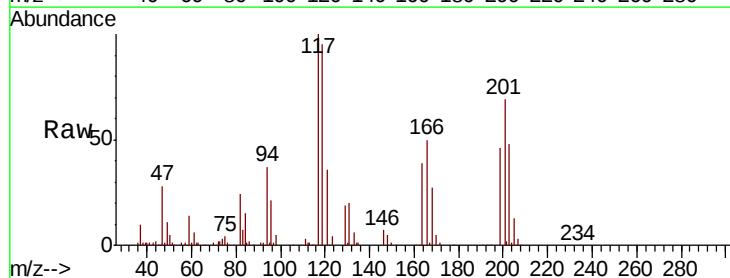
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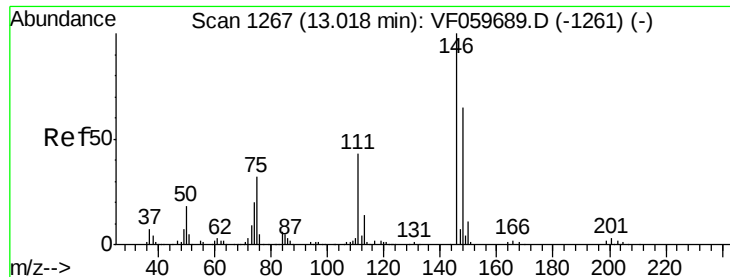
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#90
Hexachloroethane
Concen: 21.41 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059840.D
Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	63385		
201	71.5		31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 22.60 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

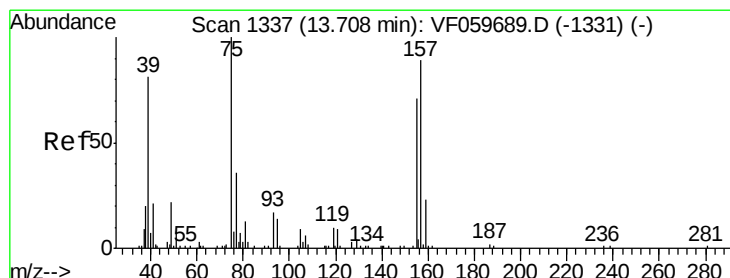
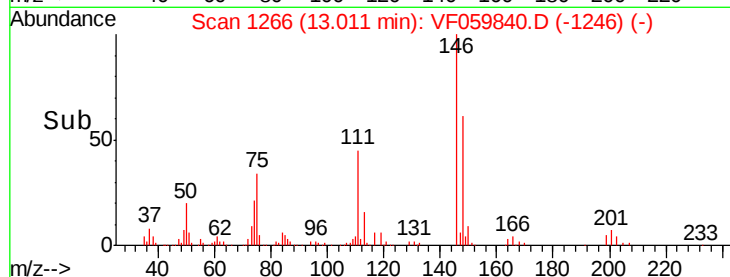
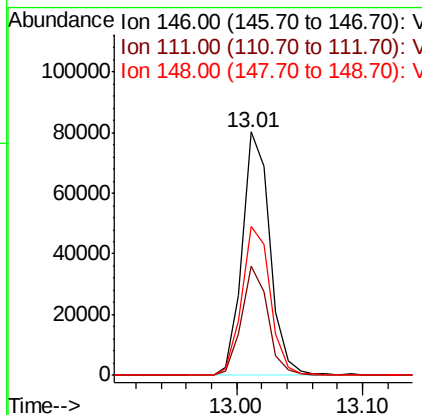
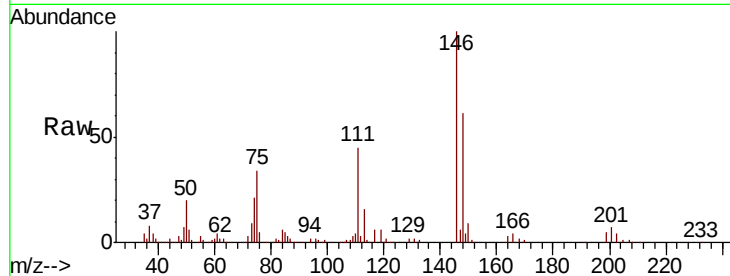
ClientSampleId :

VF0803SBSD01

Tot Ion:	146	Resp:	122376
Ion Ratio	Lower	Upper	
146	100		
111	44.6	21.6	65.0
148	61.4	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.04 ug/l

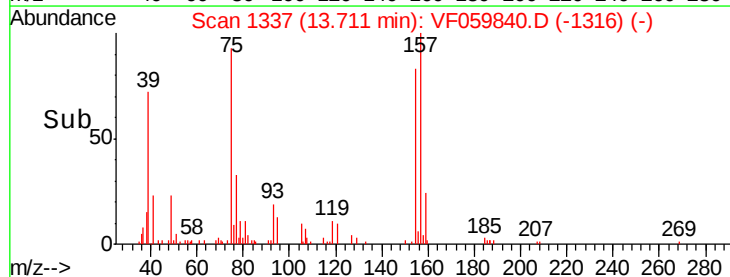
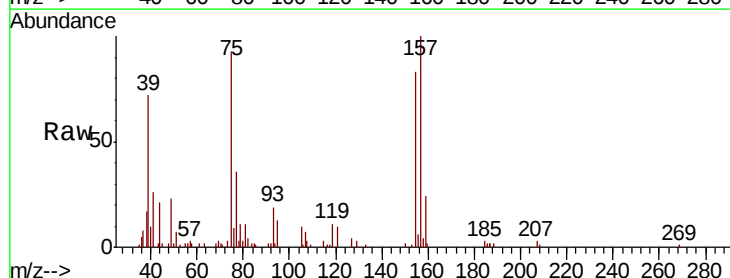
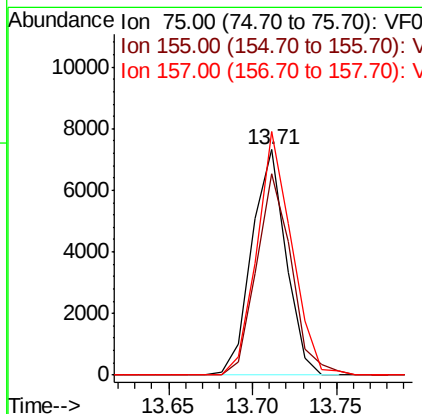
RT: 13.71 min Scan# 1337

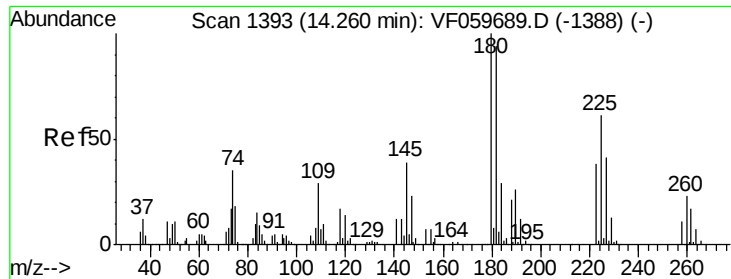
Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	75	Resp:	10286
Ion Ratio	Lower	Upper	
75	100		
155	89.1	35.4	106.2
157	112.1	44.4	133.2





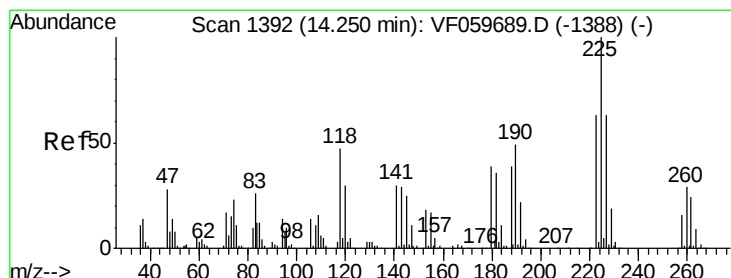
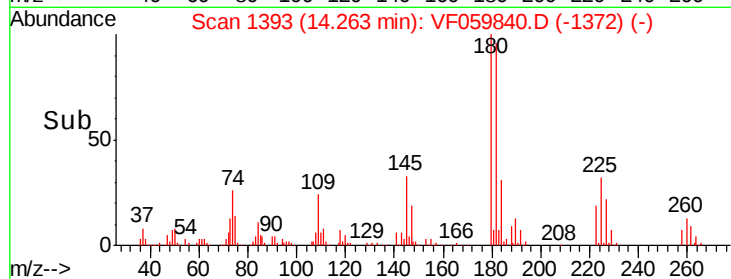
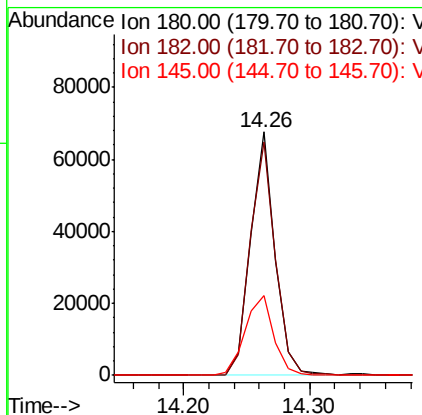
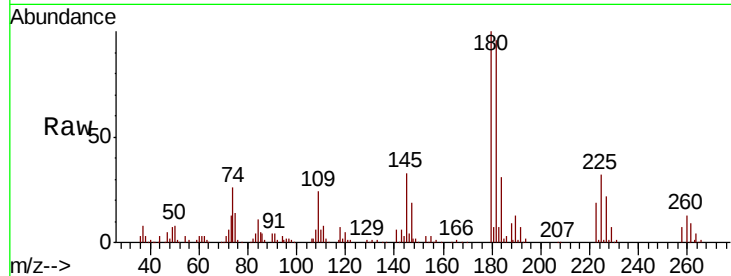
#93
 1,2,4-Trichlorobenzene
 Concen: 20.64 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	91400		
182	96.0	47.2	141.6	
145	32.5	19.3	57.9	

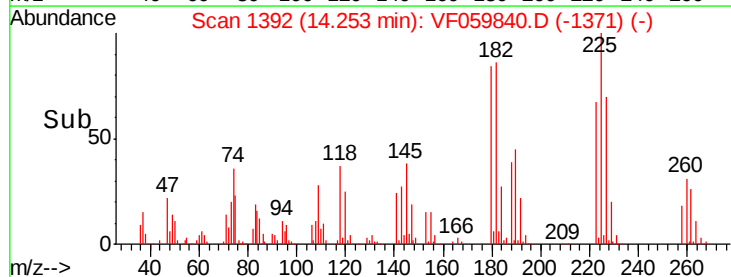
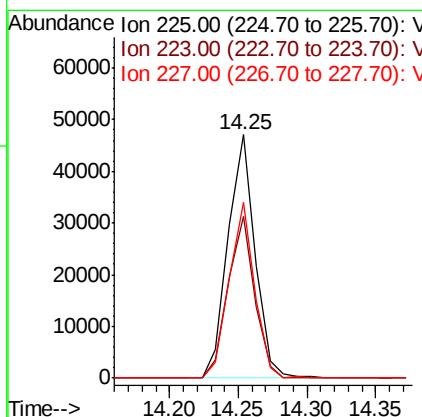
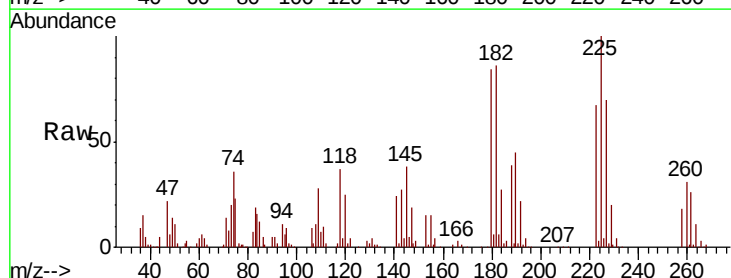
Manual Integrations
 APPROVED

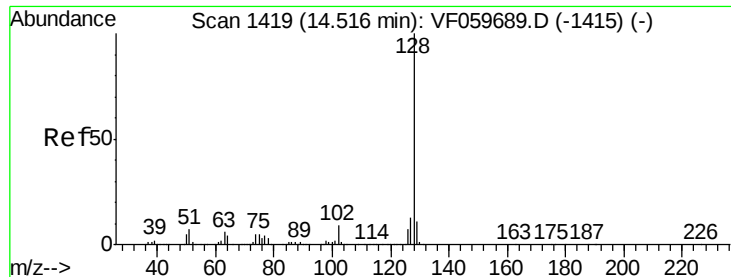
apatel
 8/6/2018 10:07:49 AM



#94
 Hexachlorobutadiene
 Concen: 21.88 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059840.D
 Acq: 3 Aug 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64209		
223	66.6	31.4	94.2	
227	72.0	31.5	94.5	





#95

Naphthalene

Concen: 21.68 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Instrument :

MSVOA_F

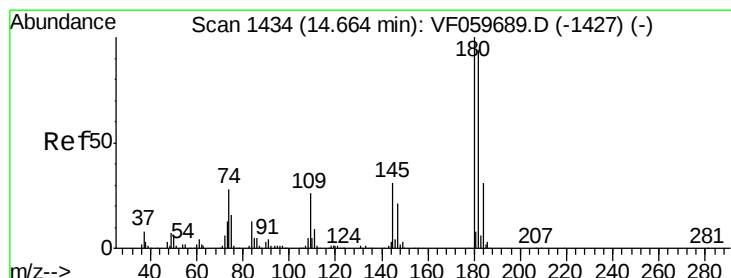
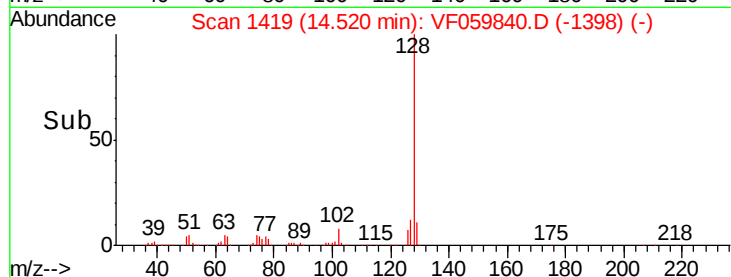
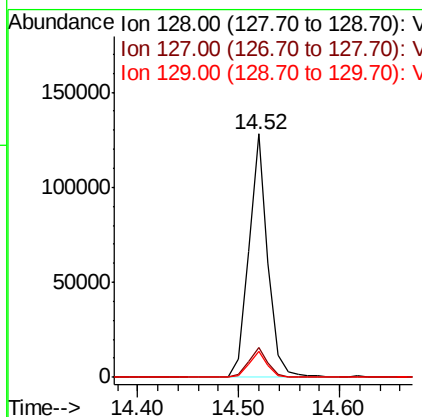
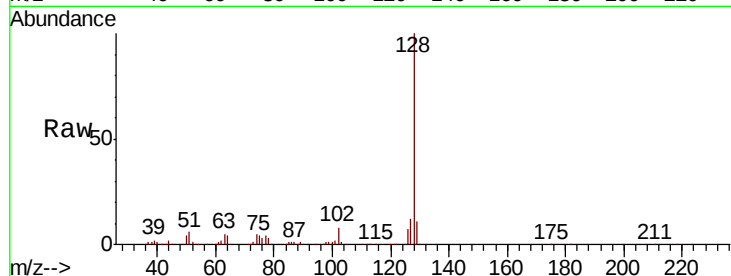
ClientSampleId :

VF0803SBS01

Tot Ion:	128	Resp:	167230
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.0	15.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
8/6/2018 10:07:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.91 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059840.D

Acq: 3 Aug 2018 15:53

Tgt Ion:	180	Resp:	89138
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.2	141.6
145	31.7	15.6	46.7

