

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059839.D
 Acq On : 3 Aug 2018 15:25
 Operator : VA/AP
 Sample : VF0803SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:07:43 AM

Quant Time: Aug 03 16:20:05 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	5.03	168	189200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	281822	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	175703	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	4.28	113	149382	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	7.70	98	338274	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.51	95	180799	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	50497	20.41	ug/l	98
3) Chloromethane	1.09	50	29115	23.93	ug/l	93
4) Vinyl Chloride	1.16	62	29278	22.98	ug/l	94
5) Bromomethane	1.33	94	22878	21.35	ug/l	97
6) Chloroethane	1.42	64	16175	20.07	ug/l	92
7) Trichlorofluoromethane	1.53	101	62448m	17.67	ug/l	
8) Diethyl Ether	1.70	74	14380	23.80	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.91	101	37559	20.30	ug/l	98
10) Methyl Iodide	1.97	142	64169	22.55	ug/l	86
11) Tert butyl alcohol	2.68	59	17168	124.49	ug/l #	85
12) 1,1-Dichloroethene	1.86	96	31352	21.40	ug/l	89
13) Acrolein	2.23	56	246	19.27	ug/l	83
14) Allyl chloride	2.18	41	46852	20.03	ug/l	88
15) Acrylonitrile	3.07	53	30356	138.20	ug/l #	82
16) Acetone	2.34	43	73927	120.87	ug/l	99
17) Carbon Disulfide	1.89	76	74904m	21.89	ug/l	
18) Methyl Acetate	2.45	43	35817	36.38	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	98224	21.98	ug/l	98
20) Methylene Chloride	2.27	84	37585m	24.57	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	32054	23.65	ug/l	95
22) Diisopropyl ether	2.92	45	108287	21.89	ug/l	98
23) Vinyl Acetate	3.33	43	281186	110.56	ug/l	97
24) 1,1-Dichloroethane	2.99	63	71550	20.82	ug/l	98
25) 2-Butanone	4.50	43	77291	113.24	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	48732	19.89	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	42221	22.94	ug/l	96
28) Bromochloromethane	3.88	49	29270	21.88	ug/l #	92
29) Tetrahydrofuran	4.24	42	34698	132.26	ug/l	98
30) Chloroform	4.03	83	106056	21.86	ug/l	91
31) Cyclohexane	3.84	56	39581	21.40	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	73832	19.62	ug/l	94
36) 1,1-Dichloropropene	4.45	75	59262	18.26	ug/l	95
37) Ethyl Acetate	4.28	43	35879	23.01	ug/l #	93
38) Carbon Tetrachloride	4.15	117	93015	20.76	ug/l	99

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

39) Methylcyclohexane	5.61	83	48272	19.55	ug/l #	85
40) Benzene	4.80	78	118208	20.77	ug/l	97
41) Methacrylonitrile	4.91	41	17743	23.52	ug/l	91
42) 1,2-Dichloroethane	5.11	62	78980	19.83	ug/l	95
43) Isopropyl Acetate	7.11	43	36732	21.80	ug/l	96
44) Trichloroethene	5.66	130	45962	21.03	ug/l	99
45) 1,2-Dichloropropane	6.39	63	34958	23.26	ug/l	94
46) Dibromomethane	6.24	93	30320	21.25	ug/l #	78
47) Bromodichloromethane	6.54	83	76962	19.81	ug/l	95
48) Methyl methacrylate	6.86	41	25400	20.04	ug/l	95
49) 1,4-Dioxane	6.85	88	4465	537.63	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	146111	113.98	ug/l	94
52) Toluene	7.77	92	88029	21.74	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	66714	19.79	ug/l #	87
54) cis-1,3-Dichloropropene	7.45	75	68728	21.04	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	33882	21.98	ug/l	94
56) Ethyl methacrylate	8.76	69	33330	20.73	ug/l	96
57) 1,3-Dichloropropane	8.99	76	53626	20.28	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	18062	97.32	ug/l	100
59) 2-Hexanone	9.62	43	112136	109.16	ug/l	97
60) Dibromochloromethane	8.86	129	53918	19.82	ug/l	93
61) 1,2-Dibromoethane	9.13	107	37425	20.79	ug/l #	77
64) Tetrachloroethene	8.29	164	44439	21.04	ug/l	97
65) Chlorobenzene	9.93	112	119195	21.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	51678	19.84	ug/l	96
67) Ethyl Benzene	10.03	91	197066	20.41	ug/l	99
68) m/p-Xylenes	10.27	106	138323	41.22	ug/l	98
69) o-Xylene	10.83	106	80108	22.52	ug/l	81
70) Styrene	10.90	104	107952	20.03	ug/l	97
71) Bromoform	10.89	173	34016	20.04	ug/l	99
73) Isopropylbenzene	11.22	105	238359	20.56	ug/l	100
74) N-amyl acetate	11.46	43	61753	21.11	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	49605	22.73	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	40097	21.61	ug/l	98
77) Bromobenzene	11.59	156	63316	20.91	ug/l	96
78) n-propylbenzene	11.68	91	282037	20.81	ug/l	99
79) 2-Chlorotoluene	11.81	91	167207	19.69	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	216068	20.66	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	16660m	21.68	ug/l	
82) 4-Chlorotoluene	11.98	91	186795	21.06	ug/l	99
83) tert-Butylbenzene	12.21	119	219595	21.10	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	216726	20.56	ug/l	97
85) sec-Butylbenzene	12.38	105	271039	19.61	ug/l	97
86) p-Isopropyltoluene	12.53	119	241558	20.05	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	118919	20.64	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	117797	21.18	ug/l	97
89) n-Butylbenzene	12.92	91	236966	20.83	ug/l	95
90) Hexachloroethane	13.00	117	59138	20.22	ug/l	74
91) 1,2-Dichlorobenzene	13.02	146	113514	20.94	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13003	24.37	ug/l	96

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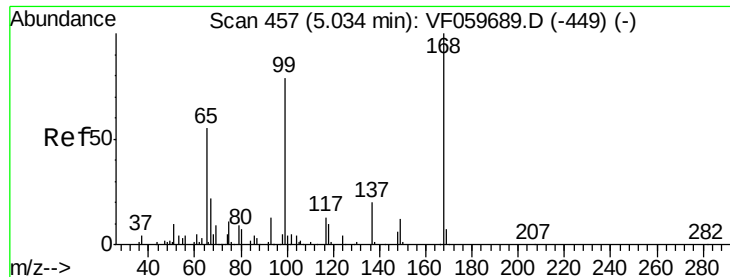
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	91870	21.10	µg/l	95
94) Hexachlorobutadiene	14.26	225	59133	20.40	µg/l	99
95) Naphthalene	14.51	128	161715	21.23	µg/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	88102	20.92	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion:168 Resp: 189200

Ion Ratio Lower Upper

168 100

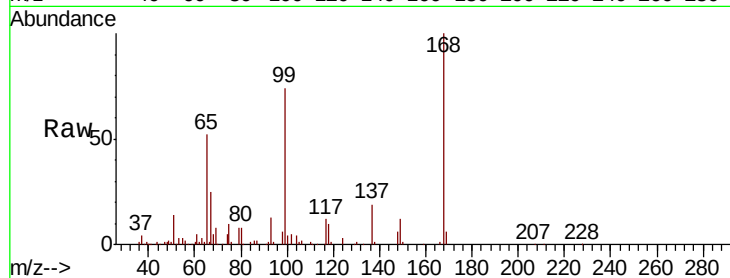
99 73.5 63.3 94.9

Manual Integrations

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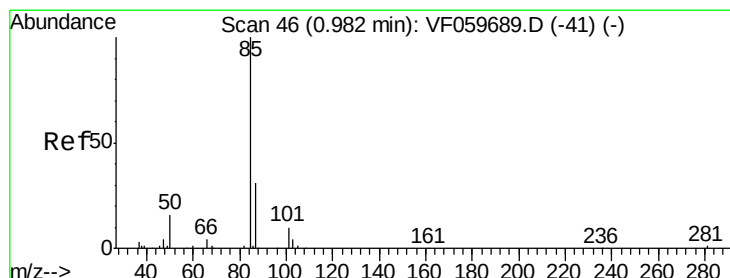
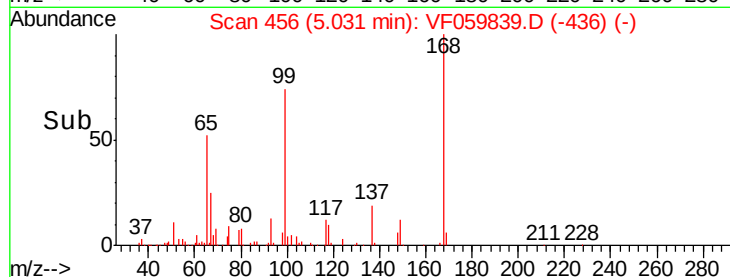
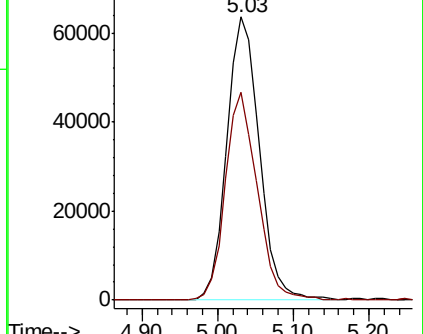
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.41 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059839.D

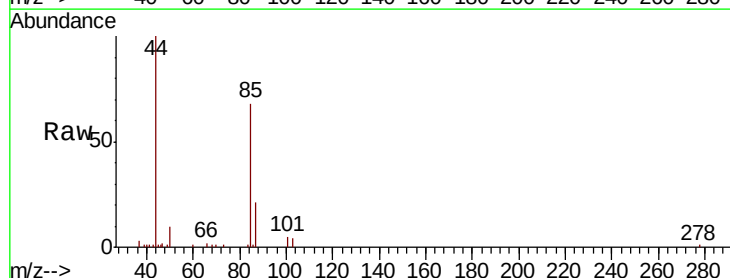
Acq: 3 Aug 2018 15:25

Tgt Ion: 85 Resp: 50497

Ion Ratio Lower Upper

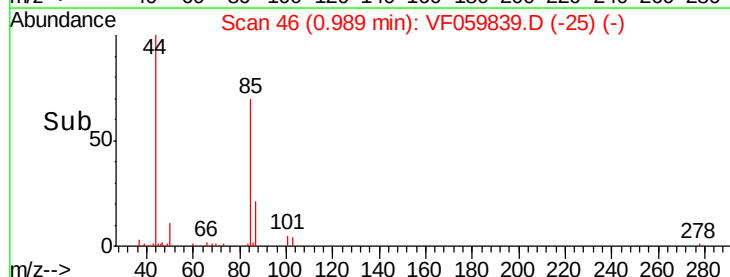
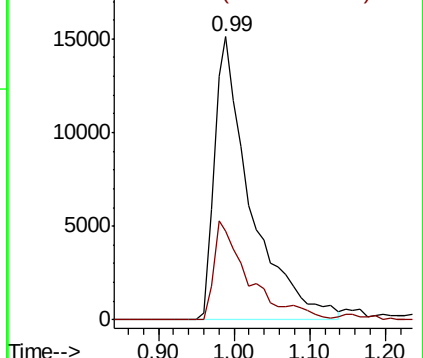
85 100

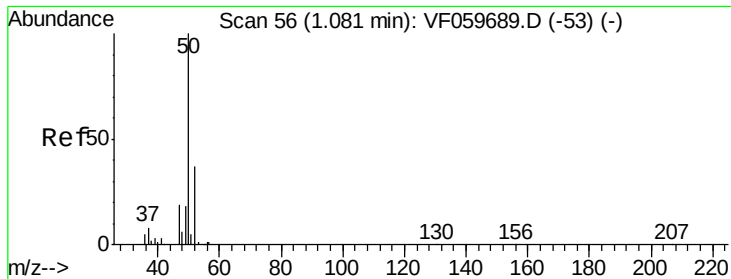
87 31.4 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.93 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

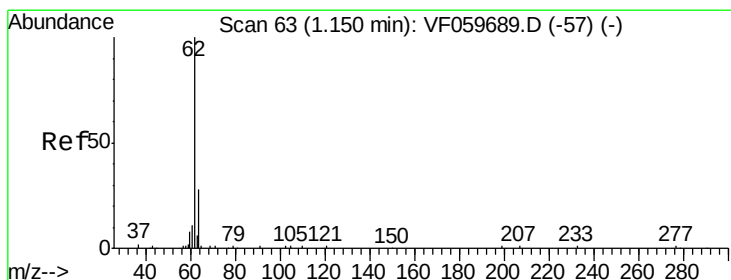
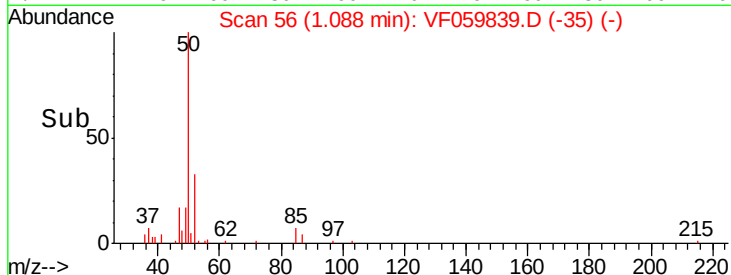
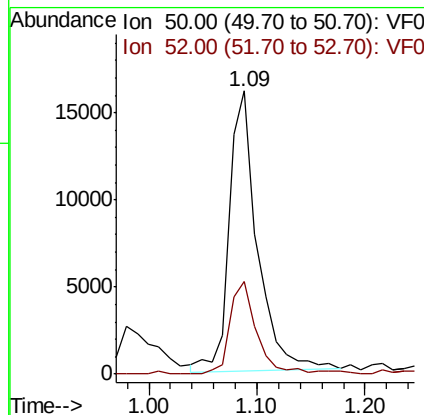
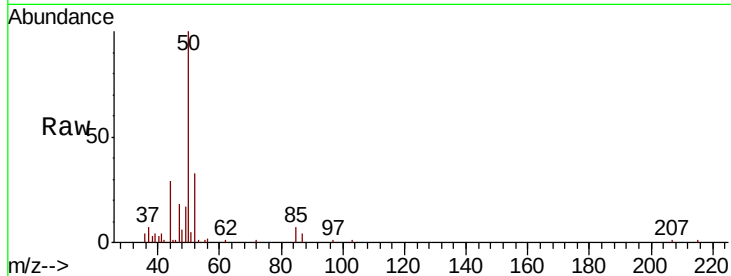
ClientSampleId :

VF0803SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	29.1	43.7

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#4

Vinyl Chloride

Concen: 22.98 ug/l

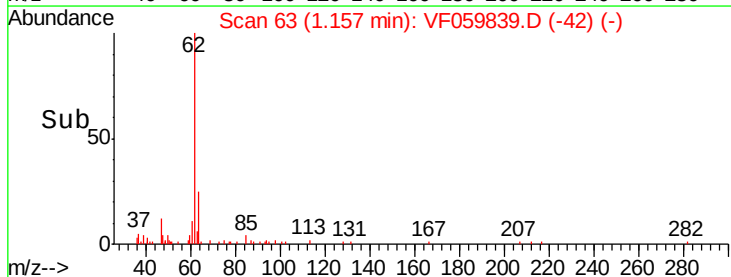
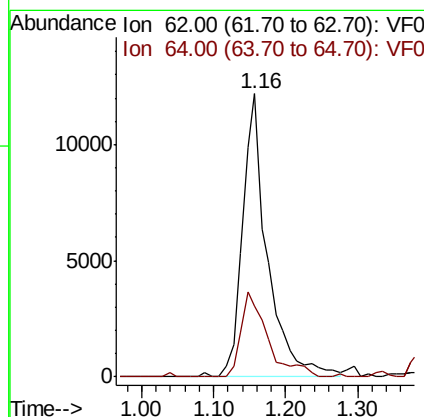
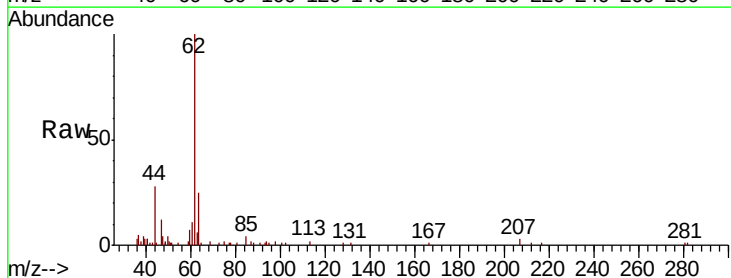
RT: 1.16 min Scan# 63

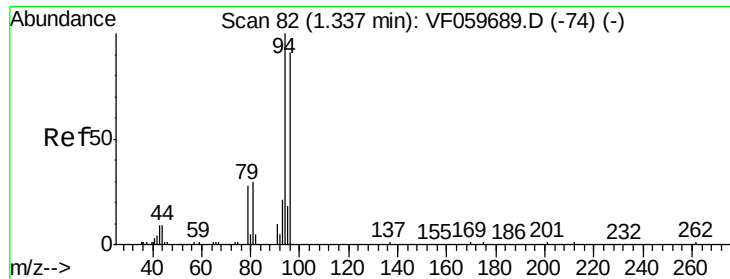
Delta R.T. 0.01 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
62	100		
64	25.2	22.6	33.8





#5

Bromomethane

Concen: 21.35 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 94 Resp: 22878

Ion Ratio Lower Upper

94 100

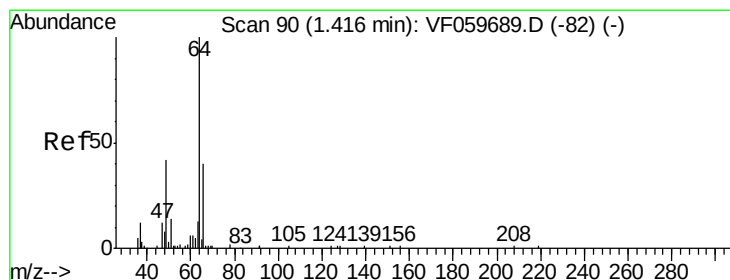
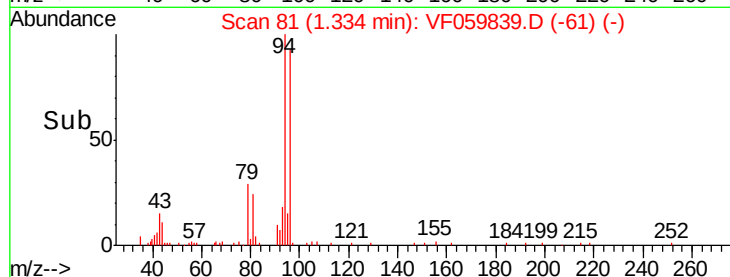
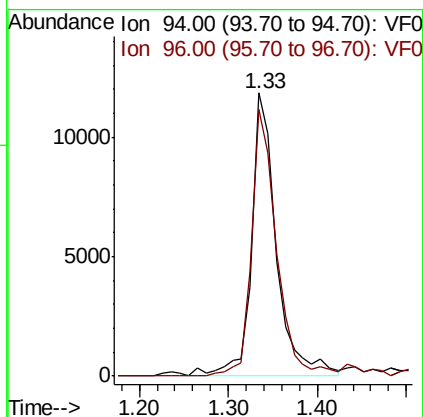
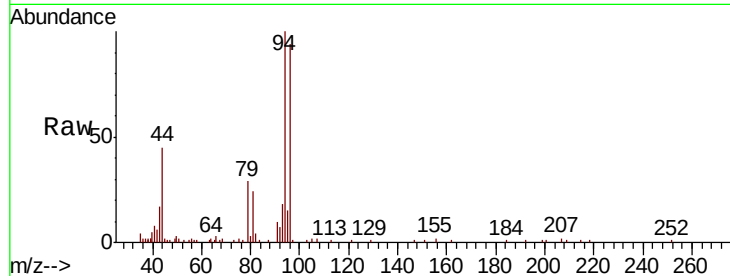
96 94.4 73.6 110.4

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#6

Chloroethane

Concen: 20.07 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059839.D

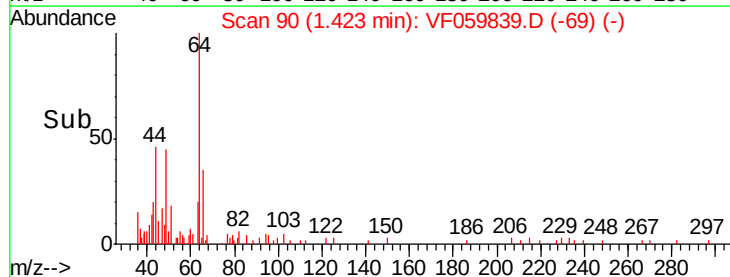
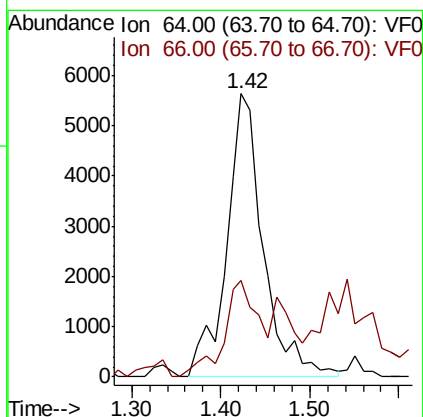
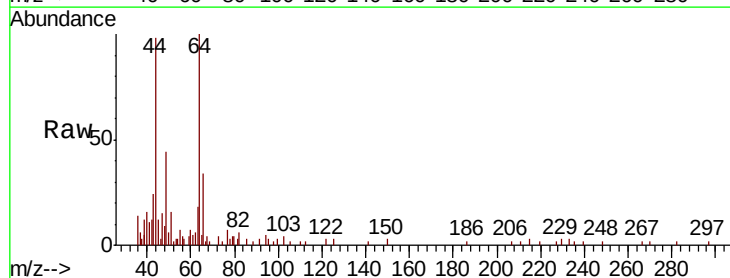
Acq: 3 Aug 2018 15:25

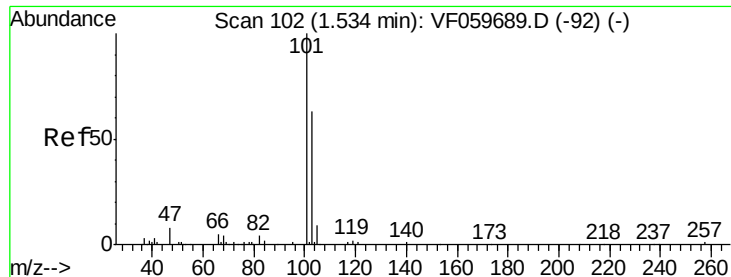
Tgt Ion: 64 Resp: 16175

Ion Ratio Lower Upper

64 100

66 36.0 32.6 49.0





#7

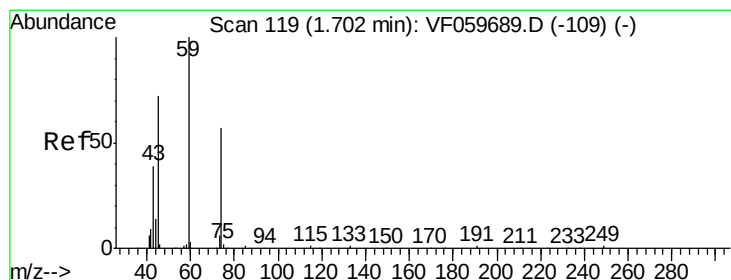
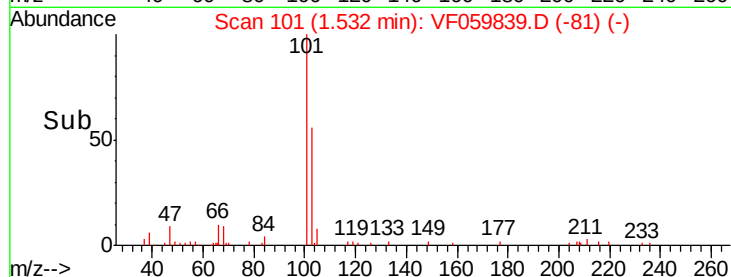
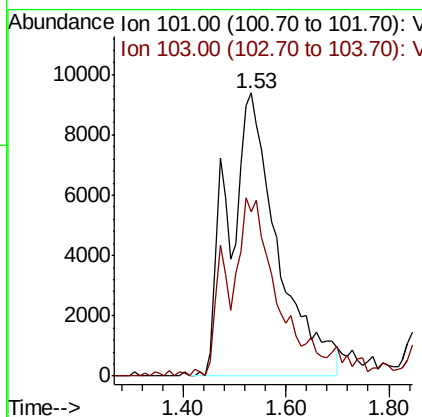
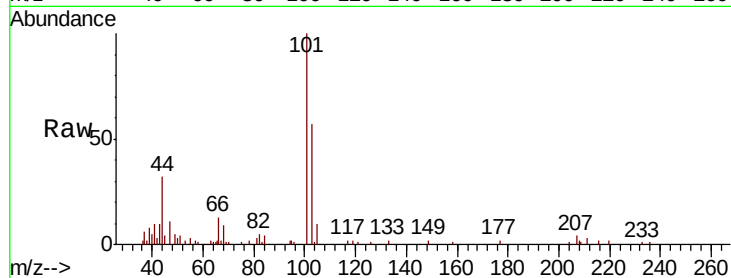
Trichlorofluoromethane
Concen: 17.67 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.1	50.8	76.2

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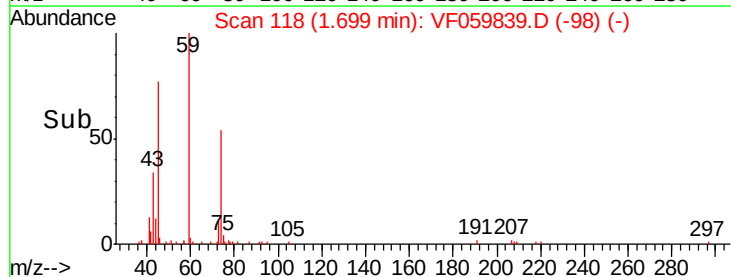
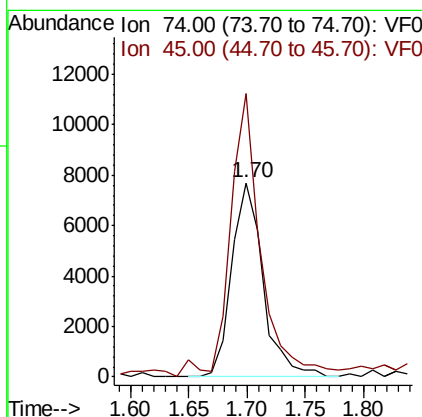
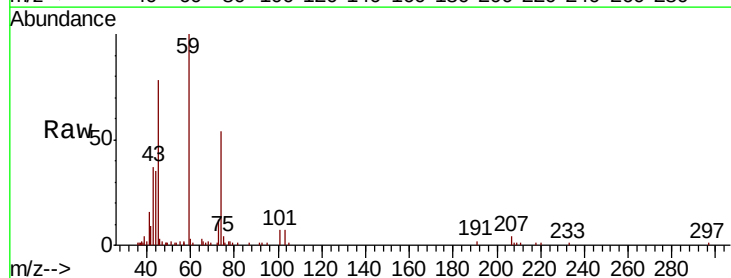
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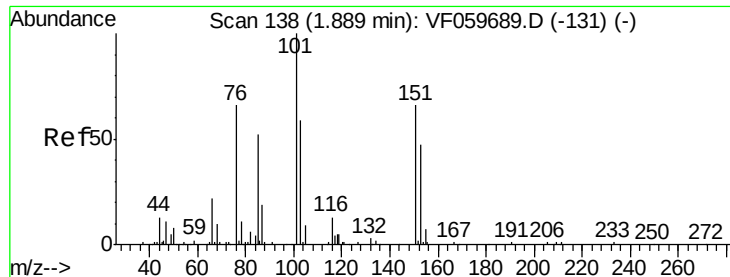


#8

Diethyl Ether
Concen: 23.80 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.7	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.30 ug/l

RT: 1.91 min Scan# 139

Delta R.T. 0.02 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

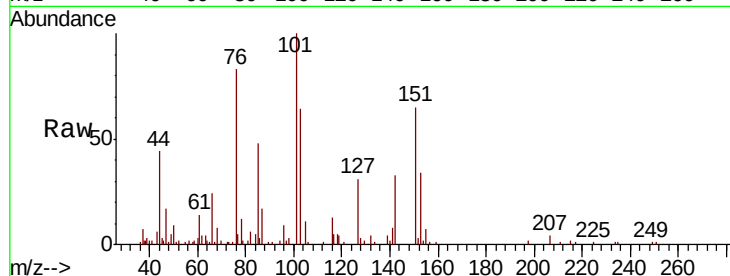
ClientSampleId :

VF0803SBS01

Tot Ion:	101	Resp:	37559
Ion Ratio	Lower	Upper	
101	100		
85	48.3	40.7	61.1
151	65.0	51.4	77.2

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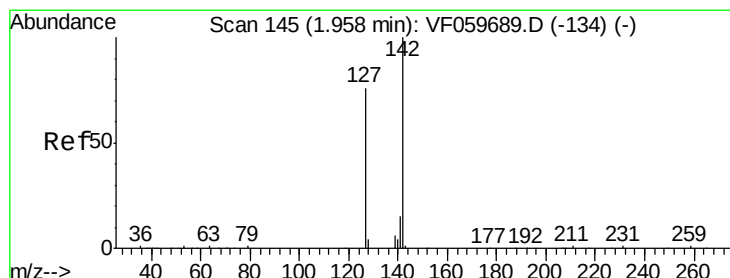
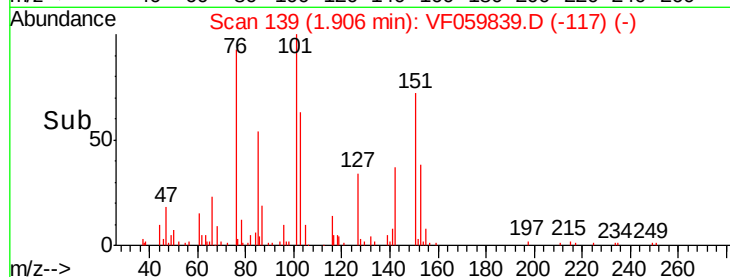
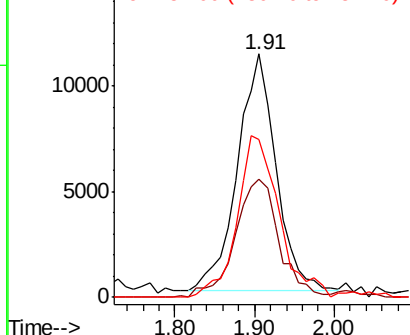


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.55 ug/l

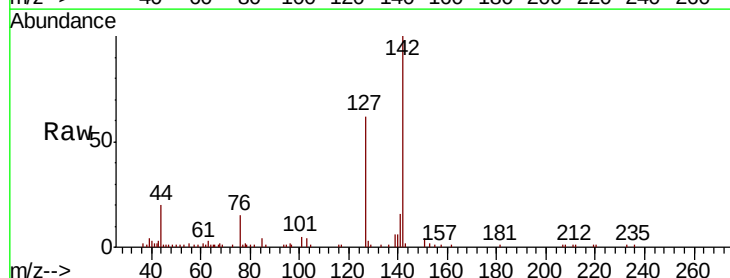
RT: 1.97 min Scan# 145

Delta R.T. 0.01 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	142	Resp:	64169
Ion Ratio	Lower	Upper	
142	100		
127	62.0	60.6	91.0
141	15.8	12.0	18.0

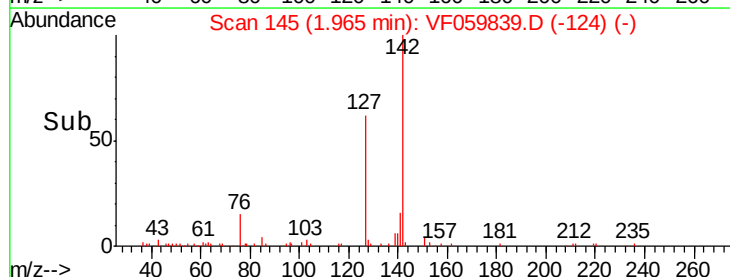
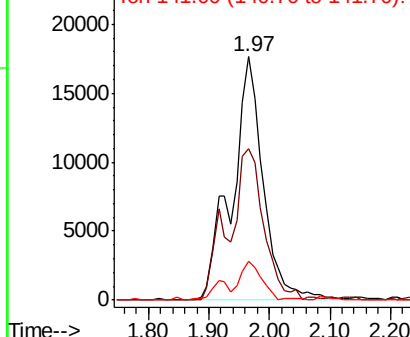


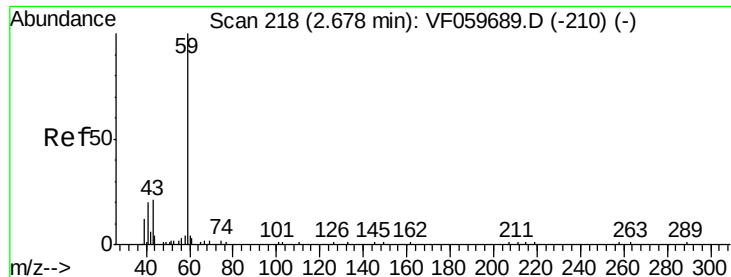
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

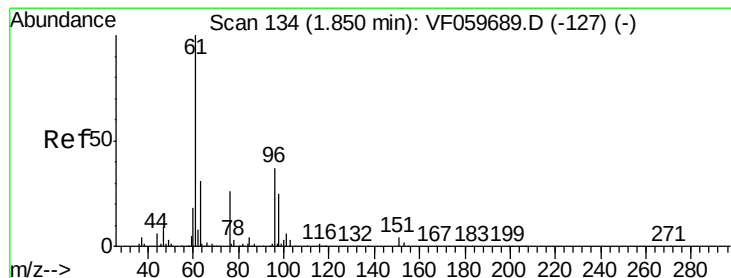
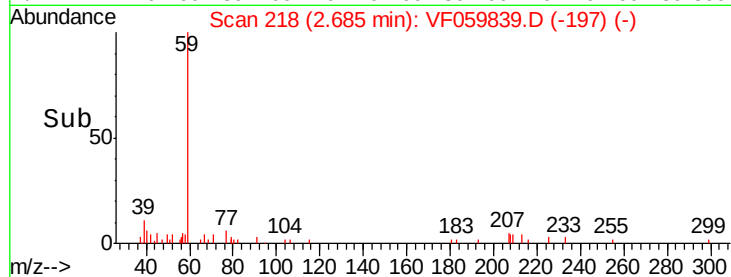
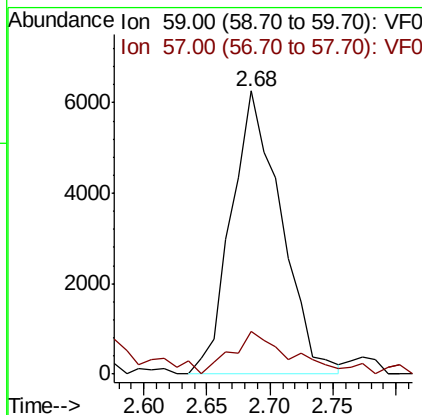
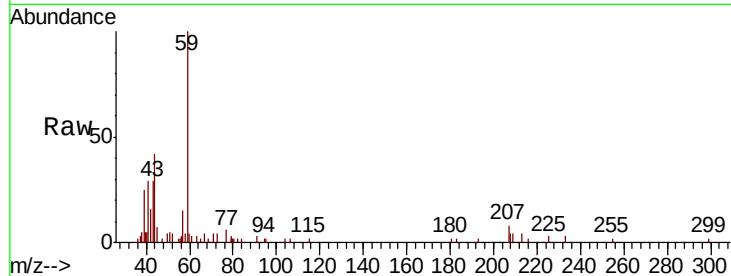
Tert butyl alcohol
 Concen: 124.49 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.9	7.6	11.4#

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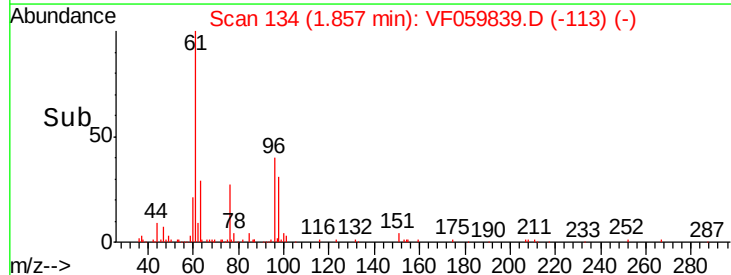
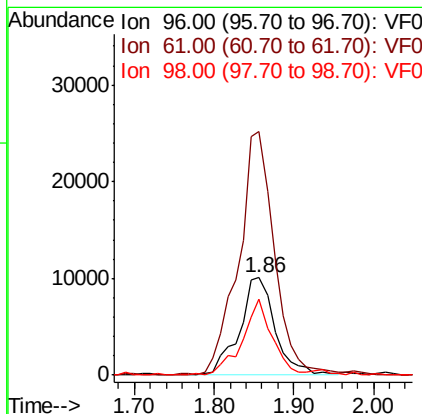
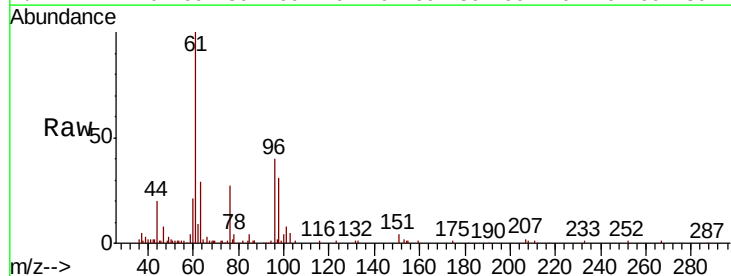
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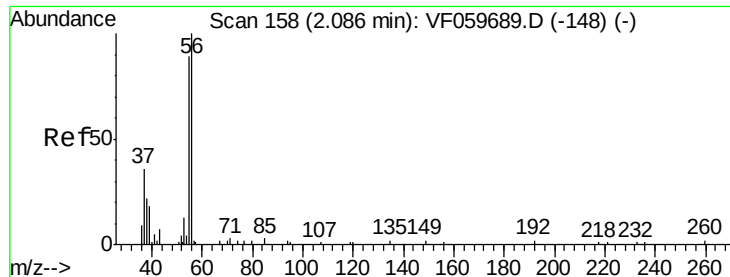


#12

1,1-Dichloroethene
 Concen: 21.40 ug/l
 RT: 1.86 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	250.7	215.1	322.7
98	80.3	54.3	81.5





#13

Acrolein

Concen: 19.27 ug/l

RT: 2.23 min Scan# 172

Delta R.T. 0.15 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tot Ion: 56 Resp: 246

Ion Ratio Lower Upper

56 100

55 75.1 73.2 109.8

Instrument :

MSVOA_F

ClientSampleId :

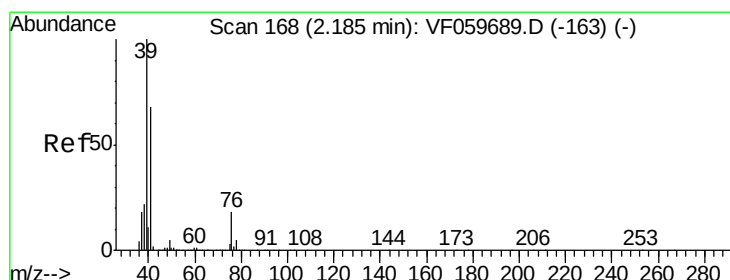
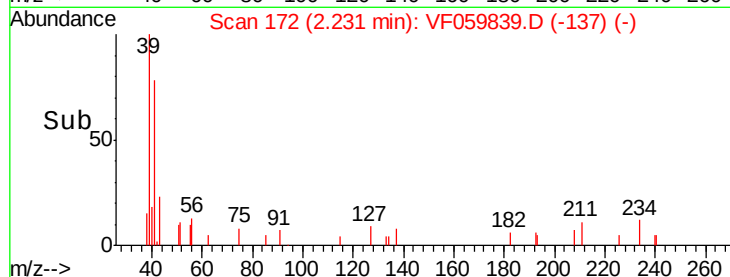
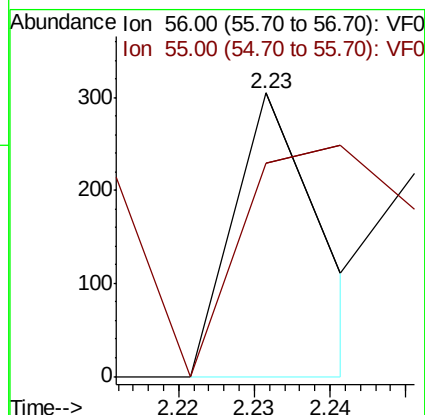
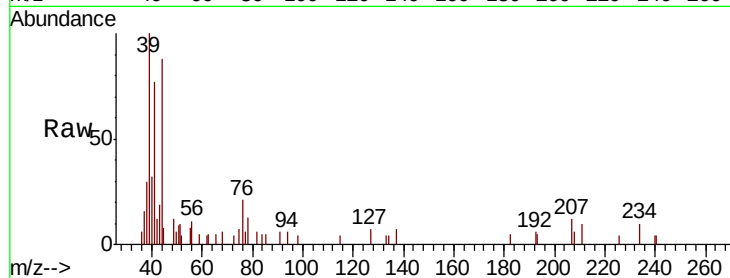
VF0803SBS01

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#14

Allyl chloride

Concen: 20.03 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

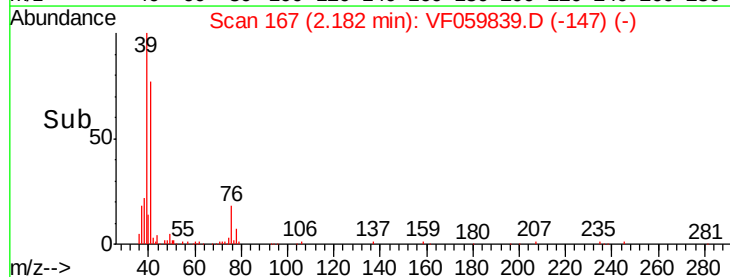
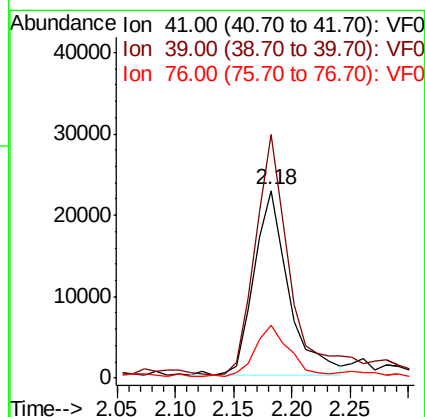
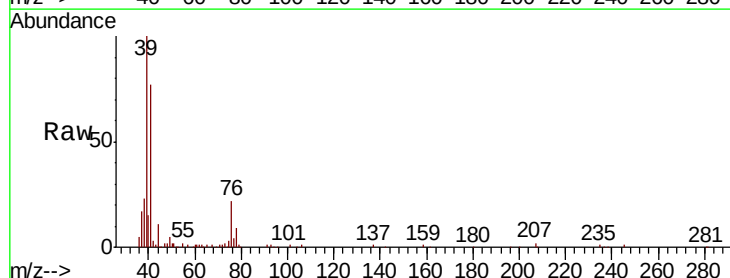
Tgt Ion: 41 Resp: 46852

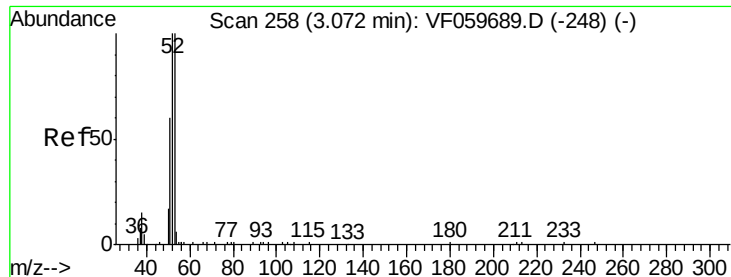
Ion Ratio Lower Upper

41 100

39 129.6 118.1 177.1

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 138.20 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

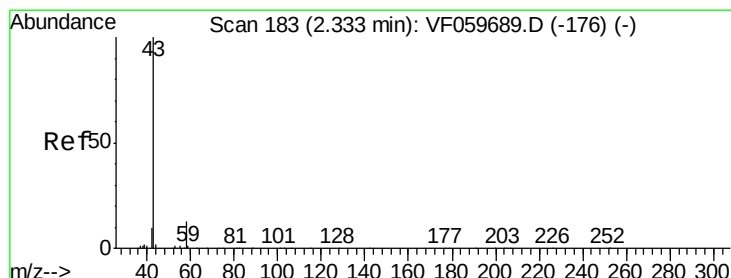
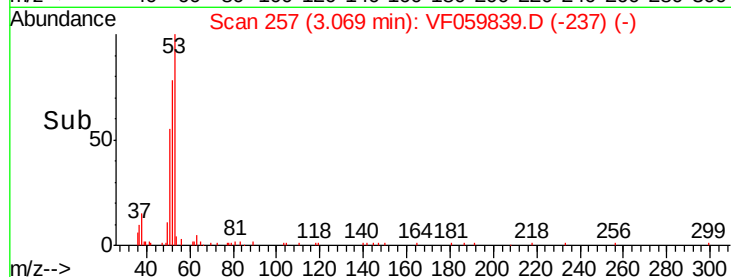
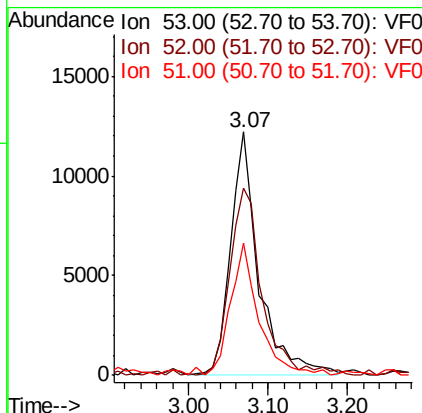
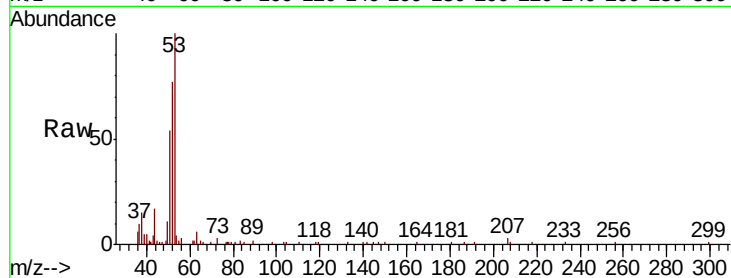
ClientSampleId :

VF0803SBS01

Tot Ion:	53	Resp:	30356
Ion	Ratio	Lower	Upper
53	100		
52	76.9	80.3	120.5#
51	54.2	49.4	74.0

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#16

Acetone

Concen: 120.87 ug/l

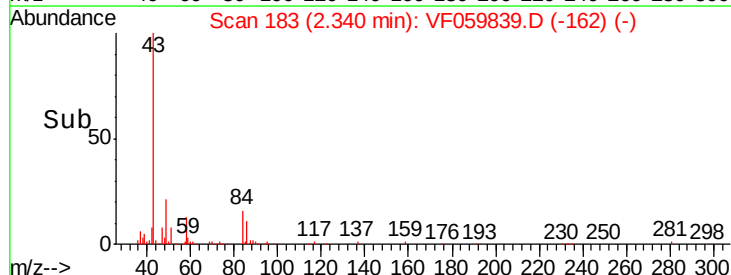
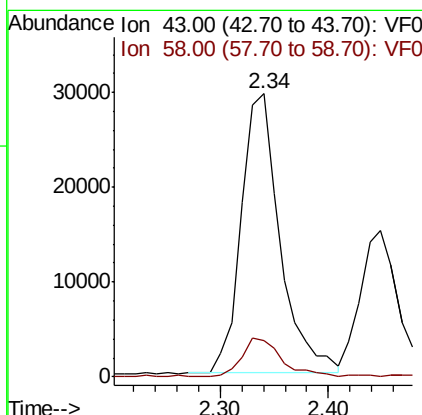
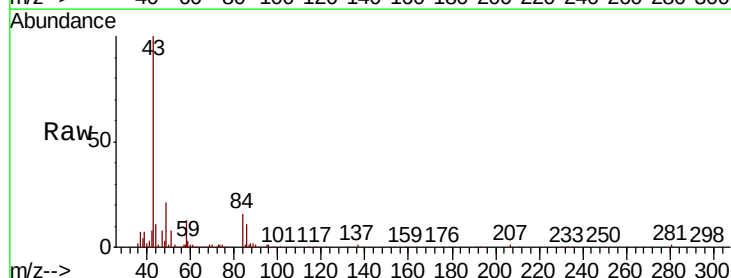
RT: 2.34 min Scan# 183

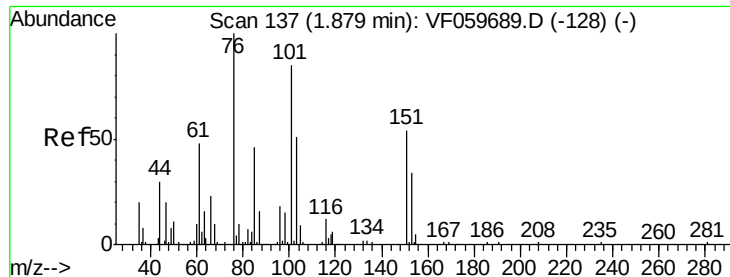
Delta R.T. 0.01 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	43	Resp:	73927
Ion	Ratio	Lower	Upper
43	100		
58	13.0	10.1	15.1





#17

Carbon Disulfide

Concen: 21.89 ug/l m

RT: 1.89 min Scan# 137

Delta R.T. 0.01 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 76 Resp: 74904

Ion Ratio Lower Upper

76 100

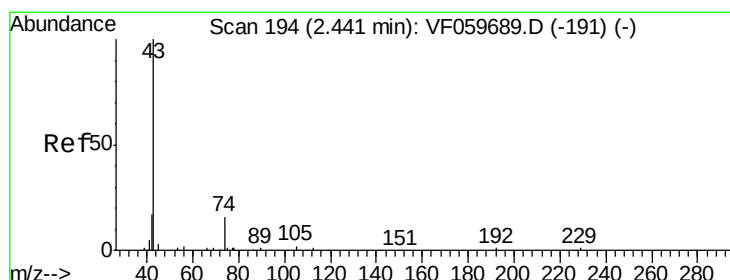
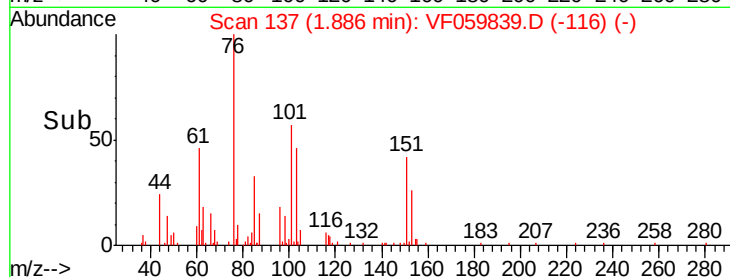
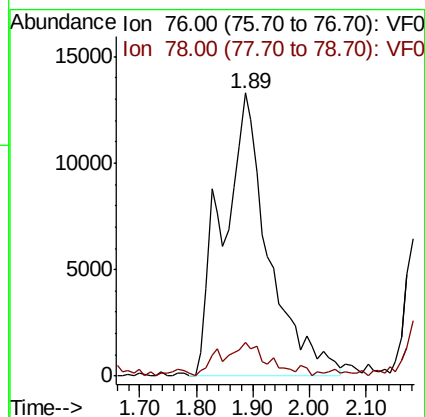
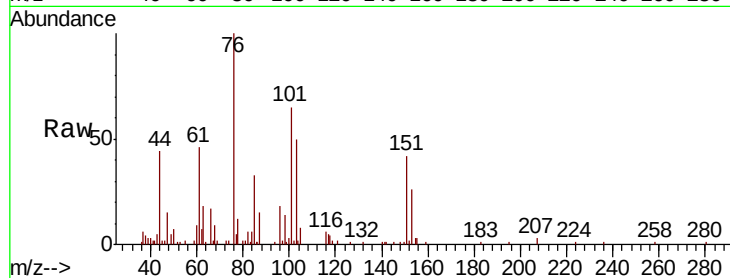
78 11.8 8.9 13.3

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#18

Methyl Acetate

Concen: 36.38 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF059839.D

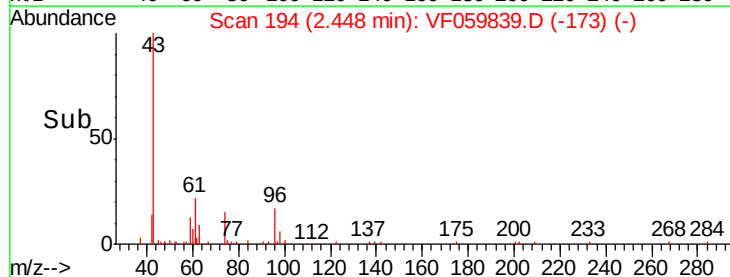
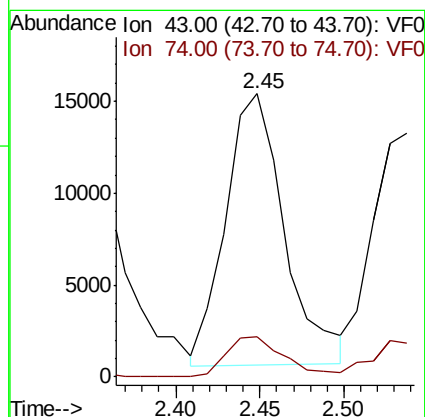
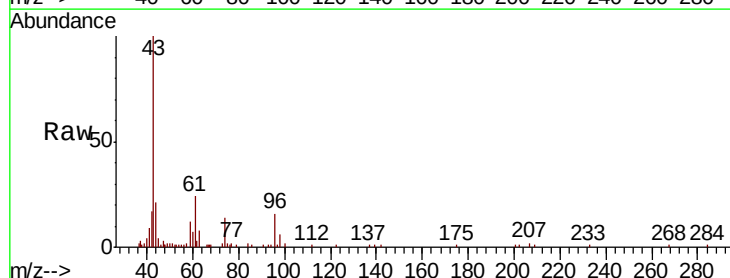
Acq: 3 Aug 2018 15:25

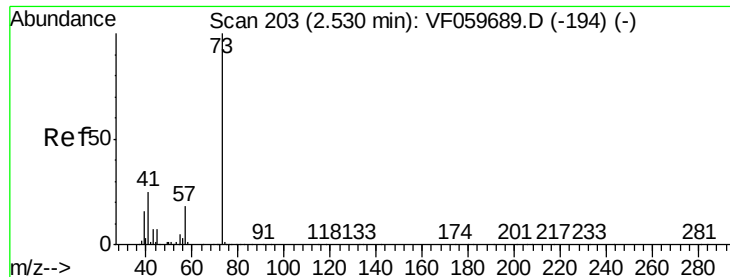
Tgt Ion: 43 Resp: 35817

Ion Ratio Lower Upper

43 100

74 14.3 11.8 17.6





#19

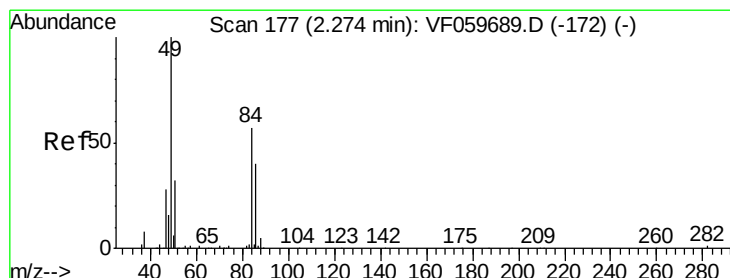
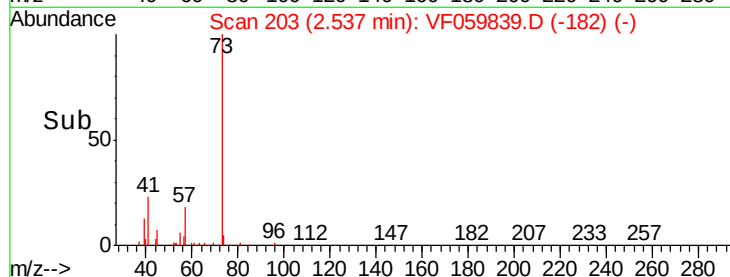
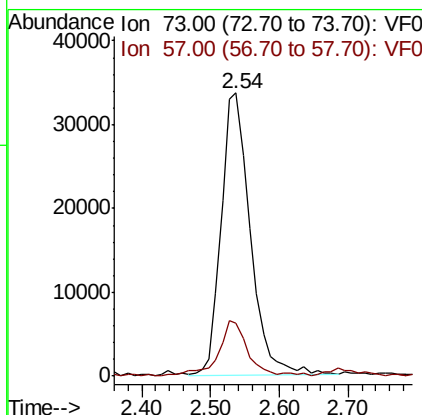
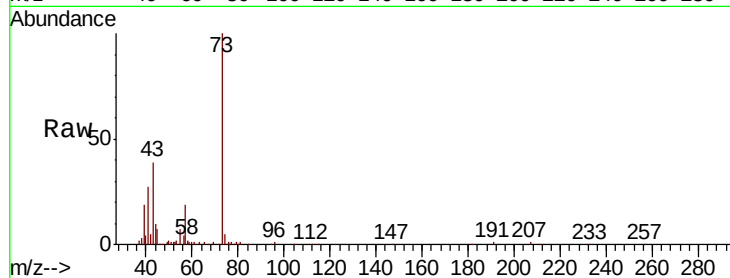
Methyl tert-butyl Ether
 Concen: 21.98 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.2	21.2

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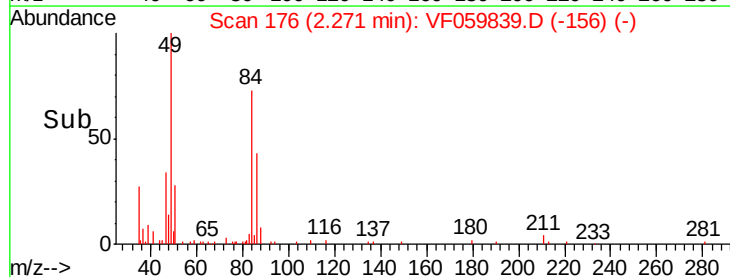
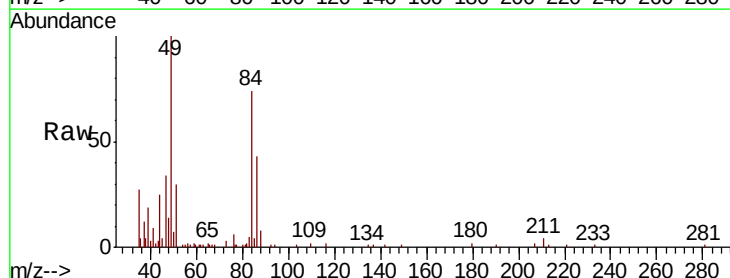
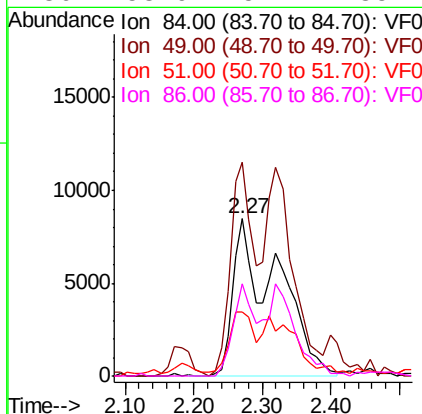
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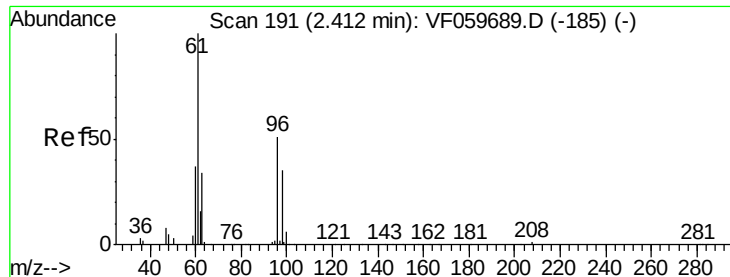


#20

Methylene Chloride
 Concen: 24.57 ug/l m
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.9	142.2	213.4#
51	40.4	46.2	69.2#
86	58.9	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 23.65 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

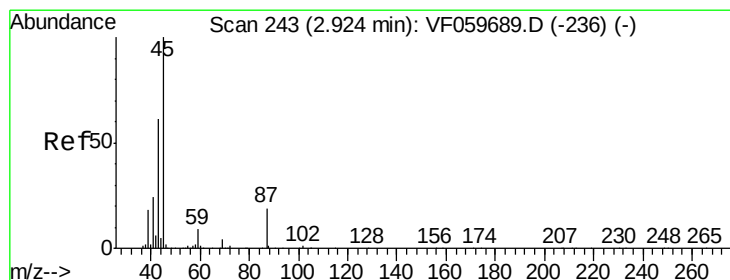
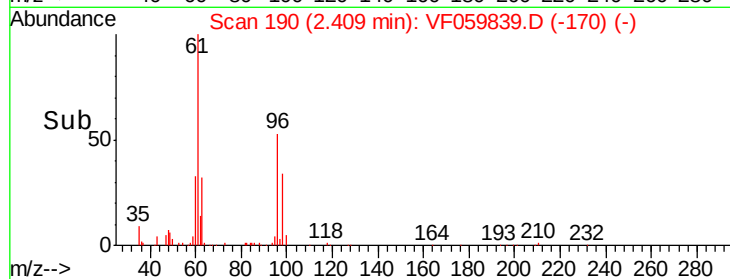
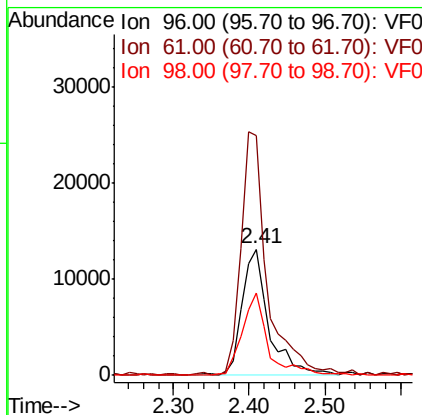
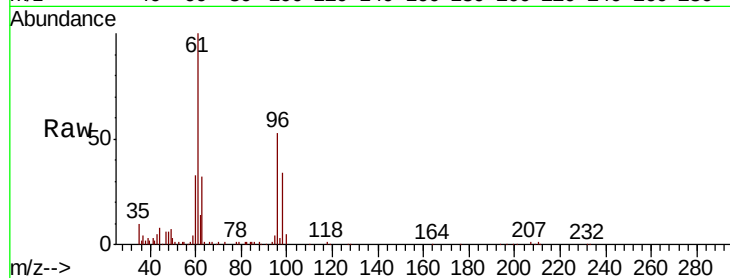
ClientSampleId :

VF0803SBS01

Tot Ion:	96	Resp:	32054
Ion Ratio	Lower	Upper	
96	100		
61	189.1	157.4	236.0
98	64.6	55.0	82.4

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#22

Diisopropyl ether

Concen: 21.89 ug/l

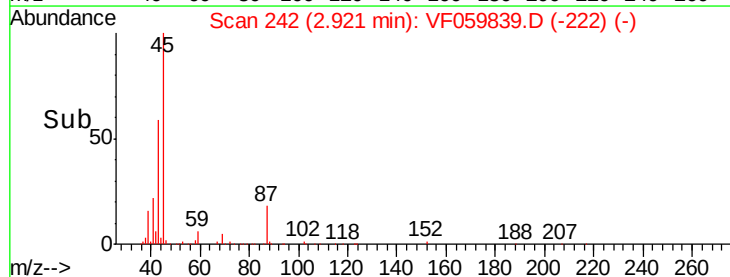
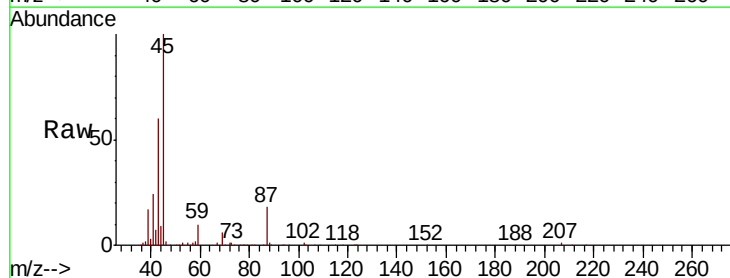
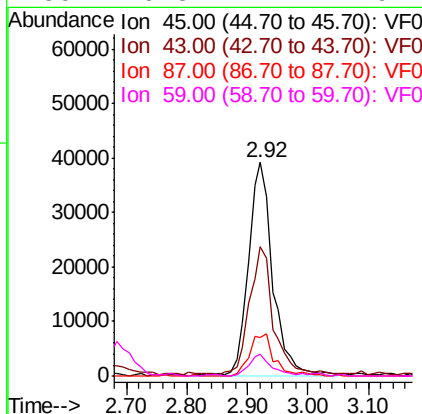
RT: 2.92 min Scan# 242

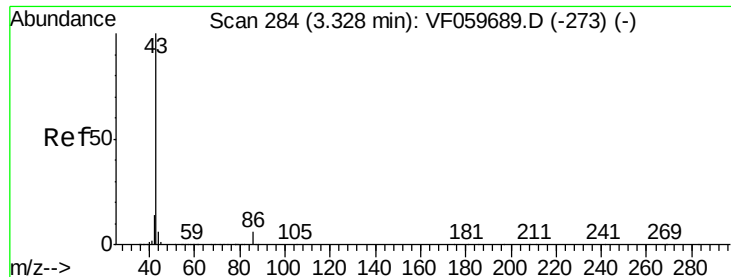
Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	45	Resp:	108287
Ion Ratio	Lower	Upper	
45	100		
43	60.4	49.3	73.9
87	17.7	15.3	22.9
59	10.3	7.1	10.7





#23

Vinyl Acetate

Concen: 110.56 ug/l

RT: 3.33 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 43 Resp: 281186

Ion Ratio Lower Upper

43 100

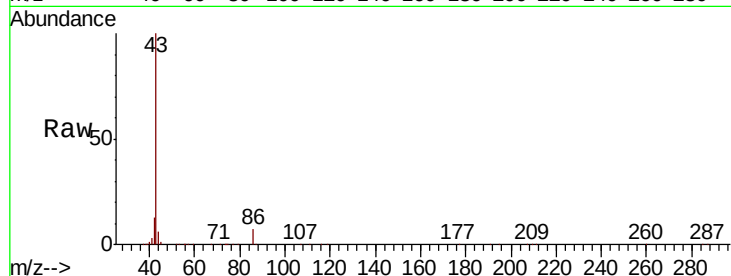
86 6.8 4.6 6.8

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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

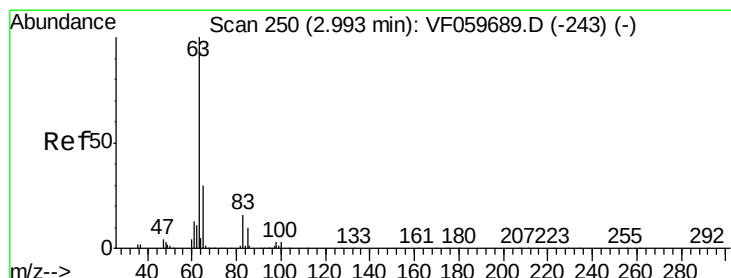
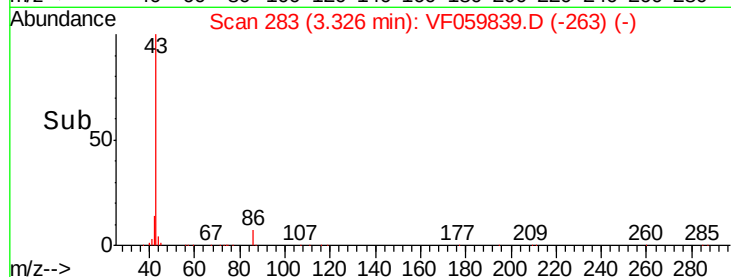
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.82 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

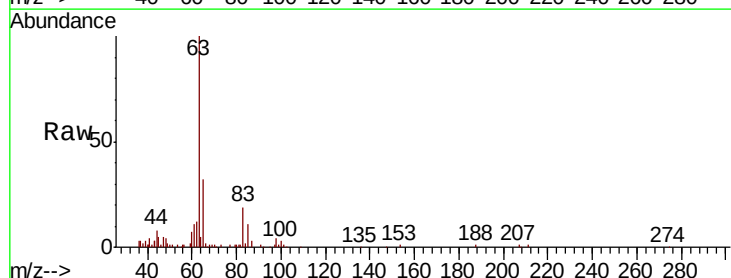
Tgt Ion: 63 Resp: 71550

Ion Ratio Lower Upper

63 100

98 3.9 1.4 4.2

100 2.8 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

2.99

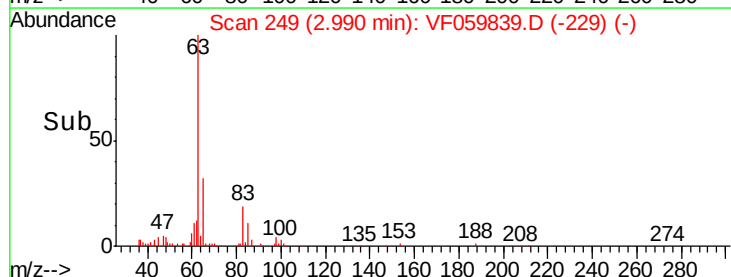
30000

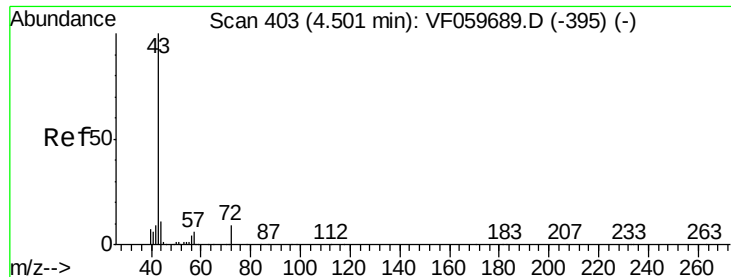
20000

10000

0

Time-->





#25

2-Butanone

Concen: 113.24 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 43 Resp: 77291

Ion Ratio Lower Upper

43 100

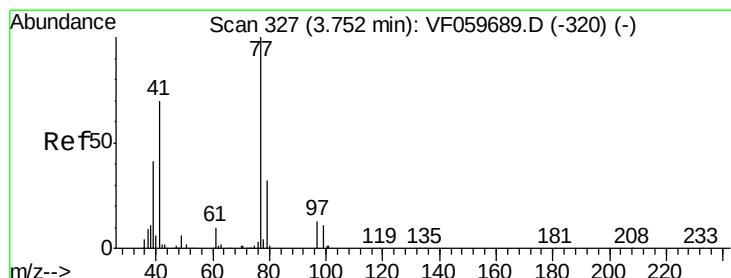
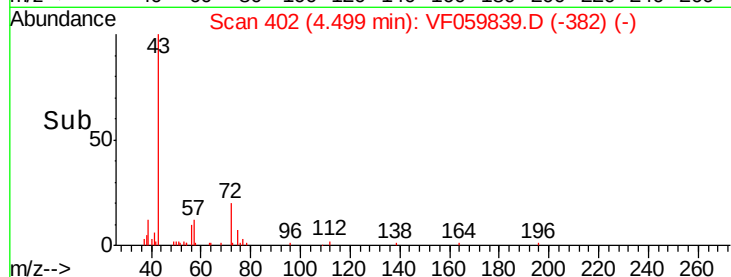
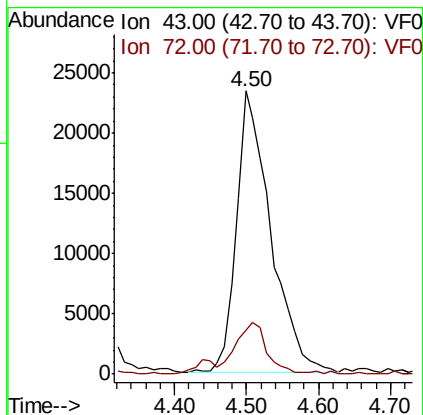
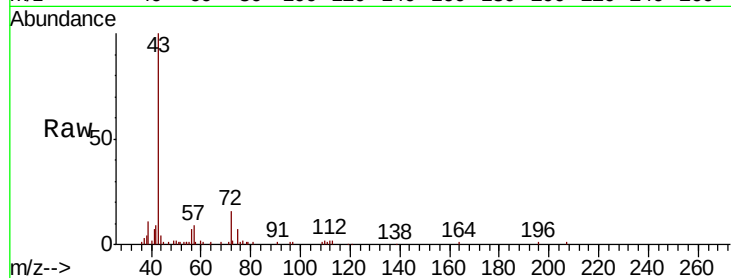
72 15.7 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 19.89 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059839.D

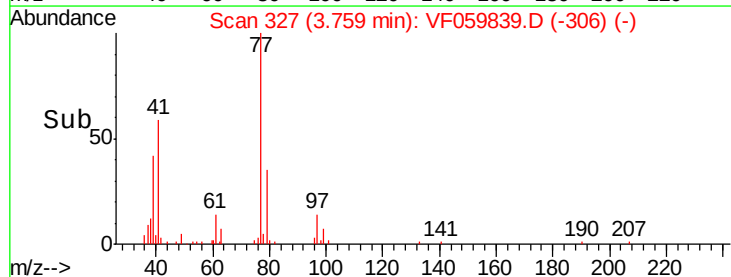
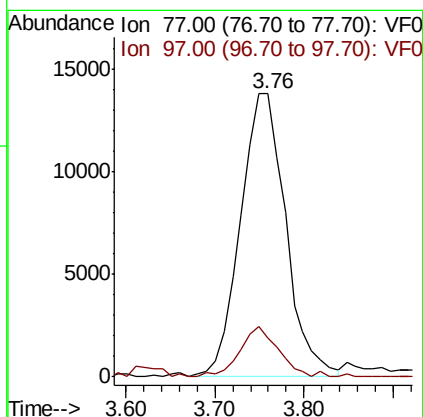
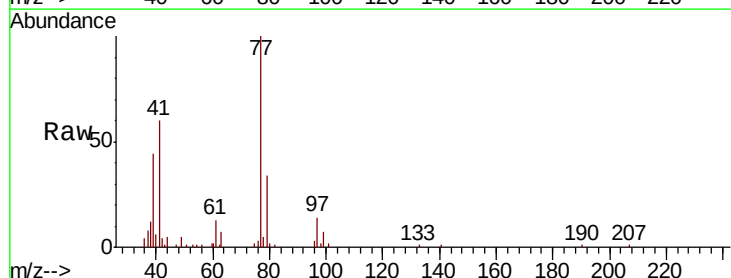
Acq: 3 Aug 2018 15:25

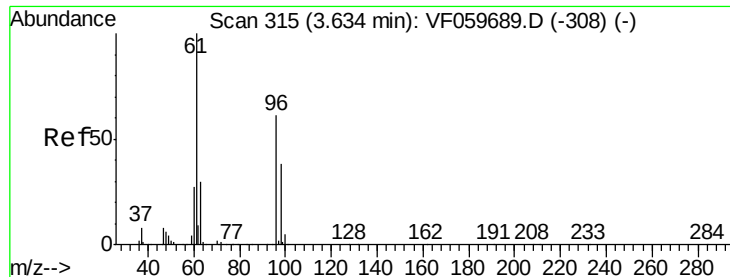
Tgt Ion: 77 Resp: 48732

Ion Ratio Lower Upper

77 100

97 14.0 6.8 20.4





#27

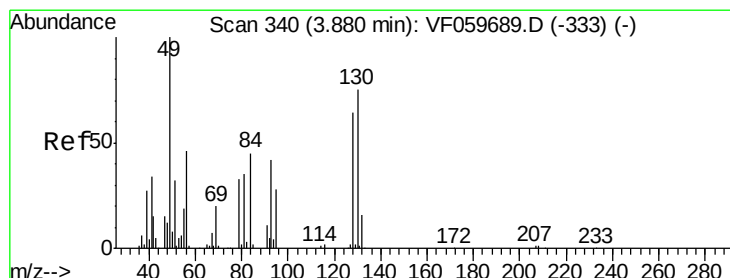
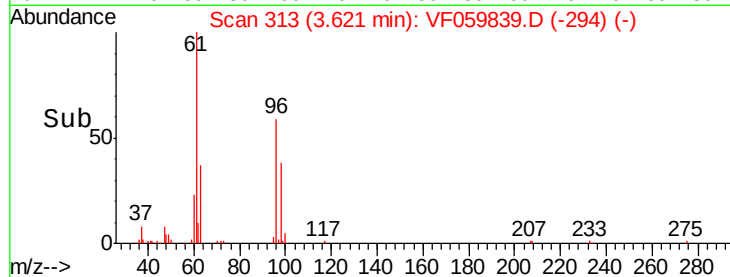
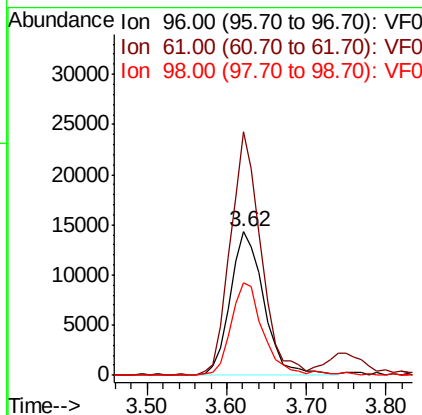
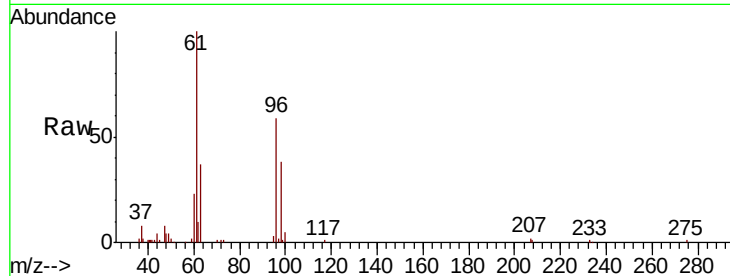
cis-1,2-Dichloroethene
 Concen: 22.94 ug/l
 RT: 3.62 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		42221		
61	169.9	0.0	326.8		
98	64.8	0.0	125.2		

Manual Integrations
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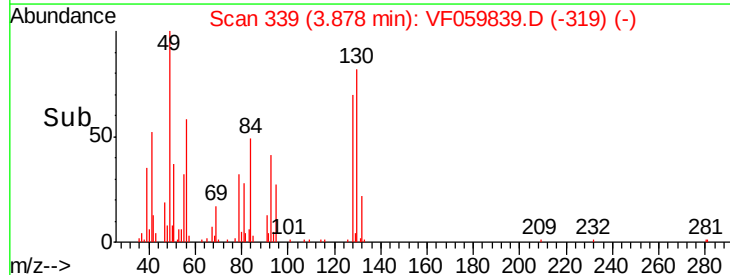
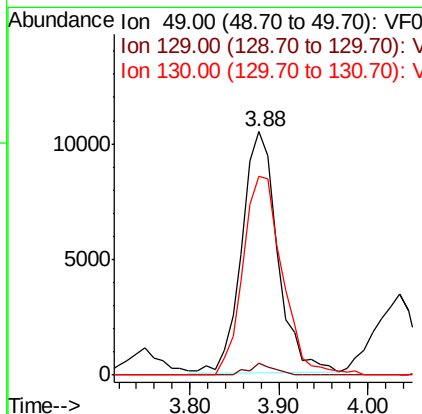
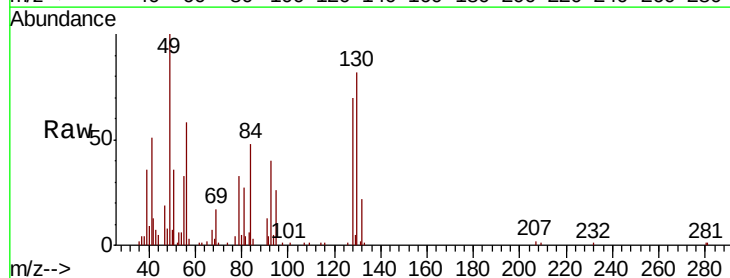
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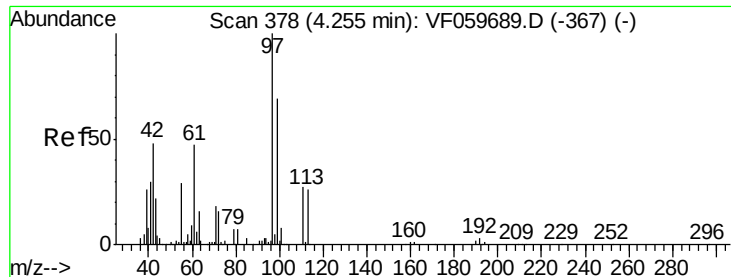


#28

Bromochloromethane
 Concen: 21.88 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		29270		
129	5.1	0.0	4.8#		
130	81.5	59.6	89.4		





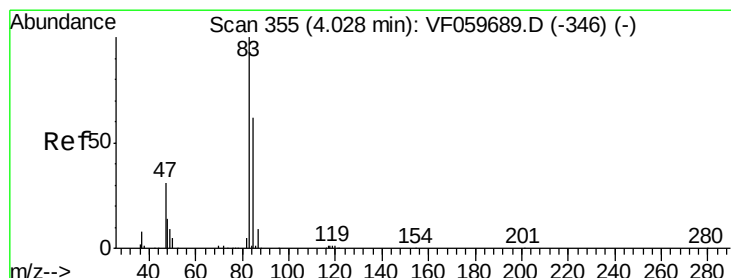
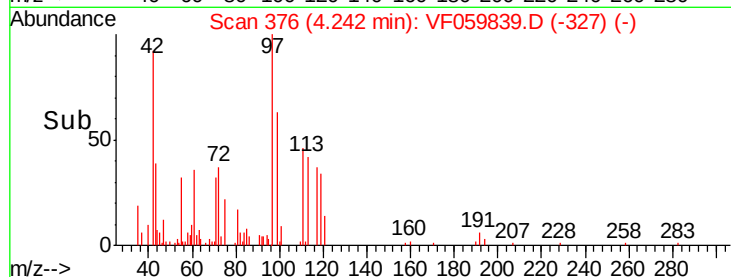
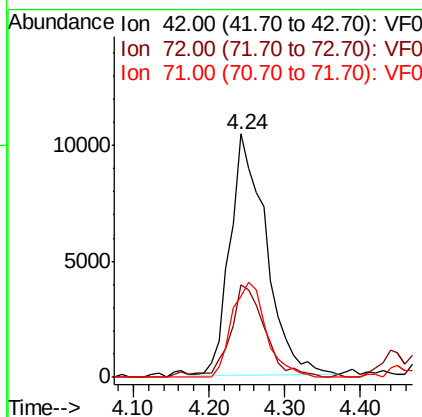
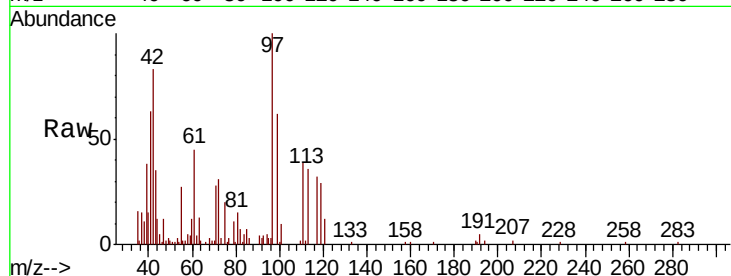
#29
Tetrahydrofuran
Concen: 132.26 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	35.9	27.0	40.6	
71	37.0	29.7	44.5	

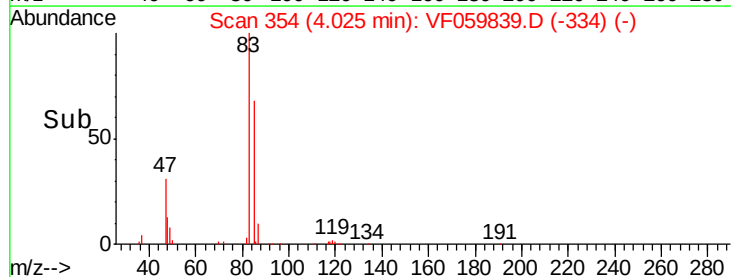
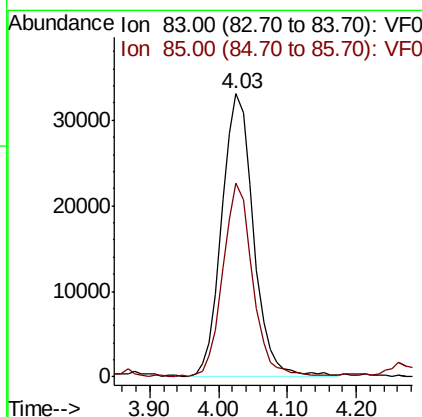
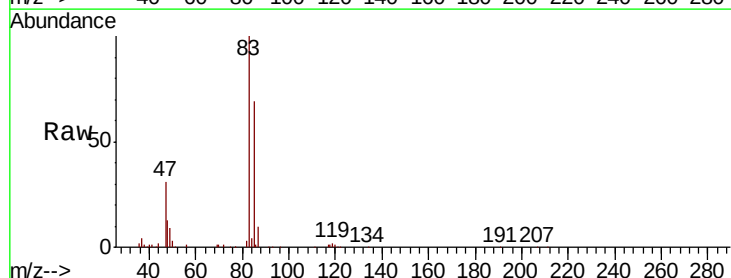
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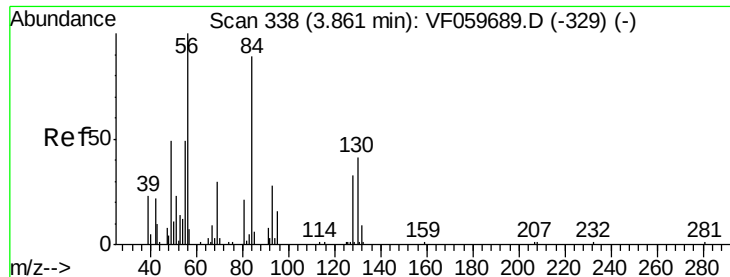
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#30
Chloroform
Concen: 21.86 ug/l
RT: 4.03 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	68.6	49.4	74.0	





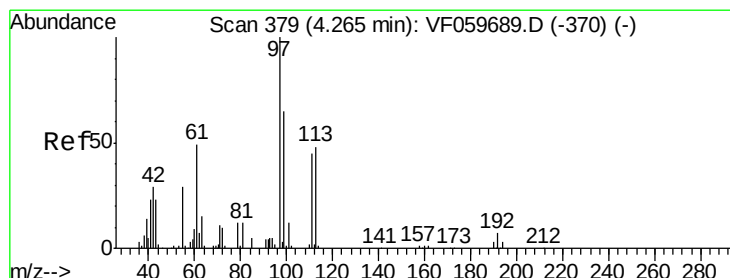
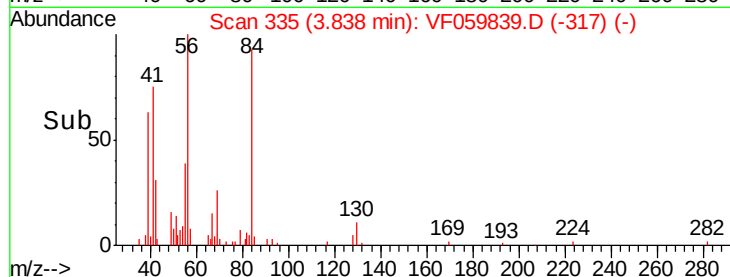
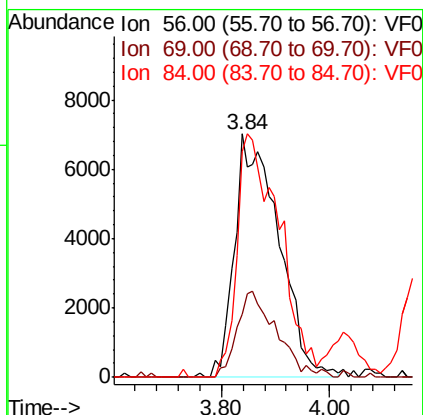
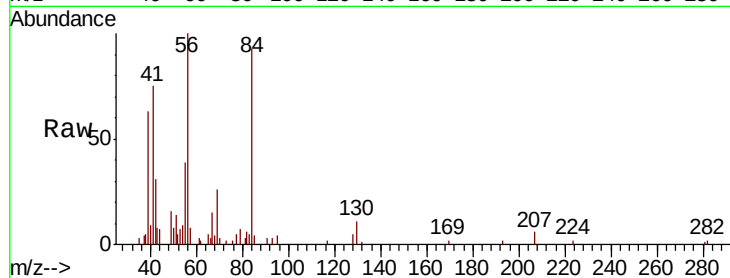
#31
Cyclohexane
Concen: 21.40 ug/l
RT: 3.84 min Scan# 335
Delta R.T. -0.02 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.8	23.7	35.5
84	92.9	71.1	106.7

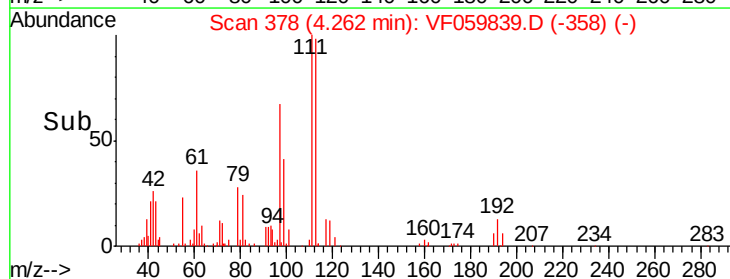
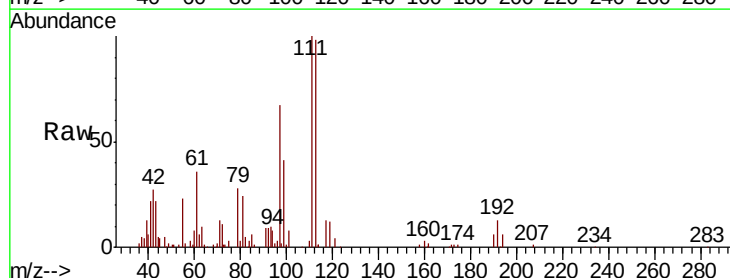
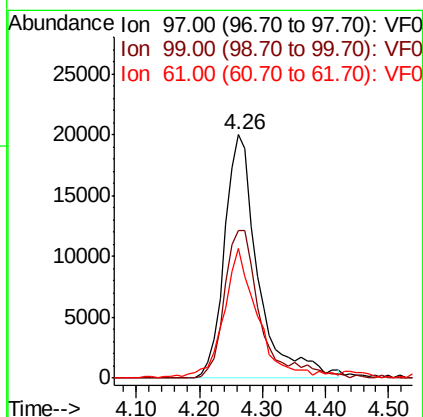
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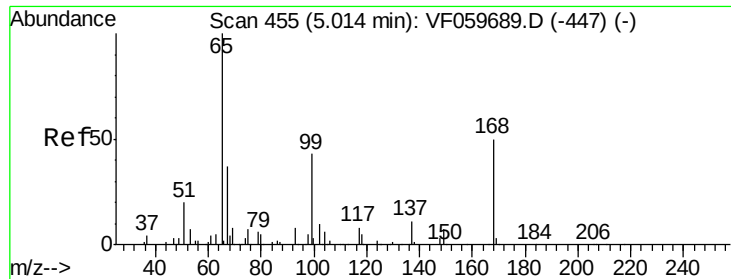
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#32
1,1,1-Trichloroethane
Concen: 19.62 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	52.4	78.6
61	53.2	39.7	59.5





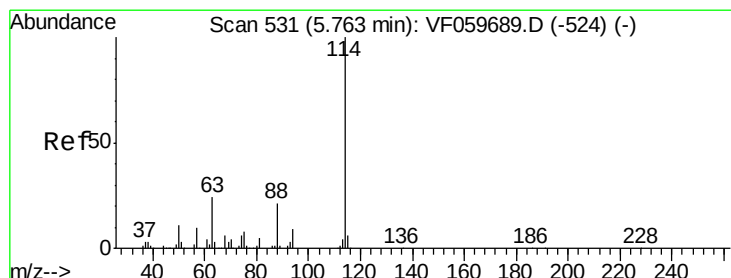
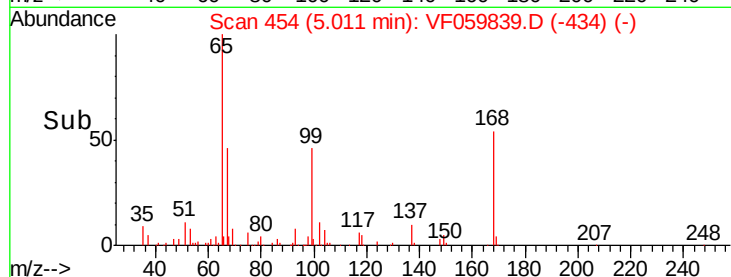
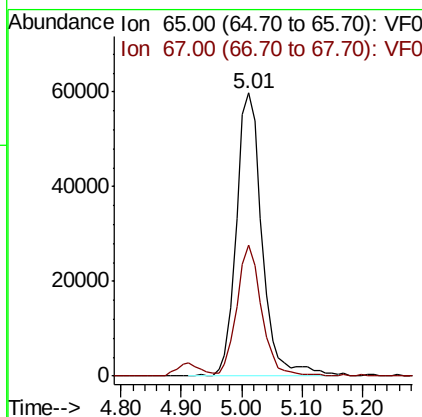
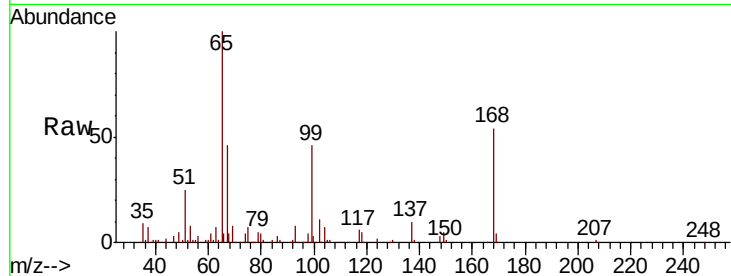
#33
 1,2-Dichloroethane-d4
 Concen: 51.67 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175703		
67	46.4	0.0	84.6	

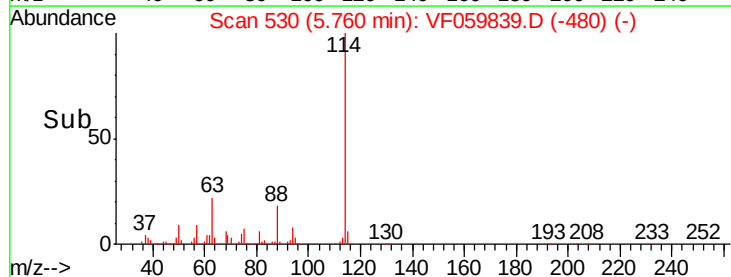
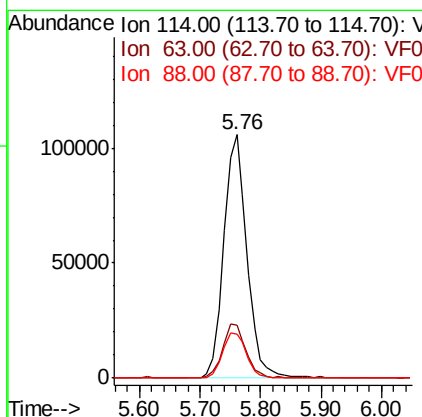
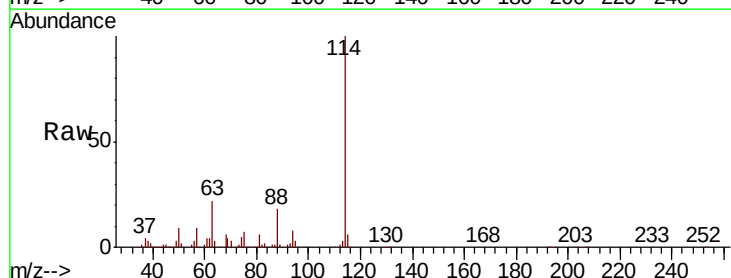
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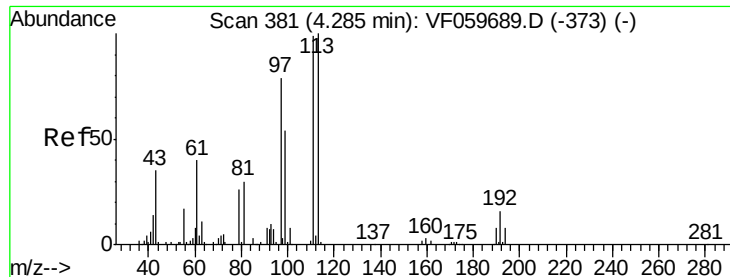
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	281822		
63	21.8	0.0	47.4	
88	18.3	0.0	41.2	





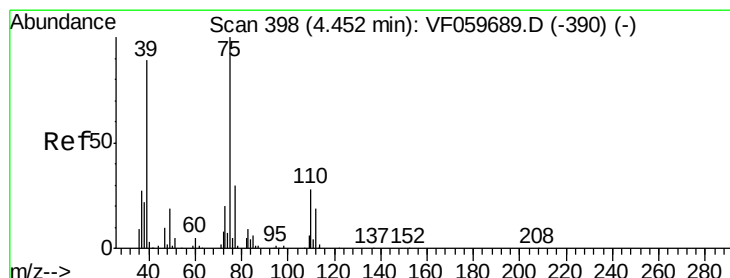
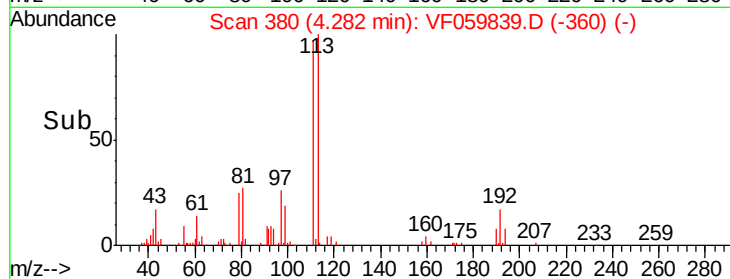
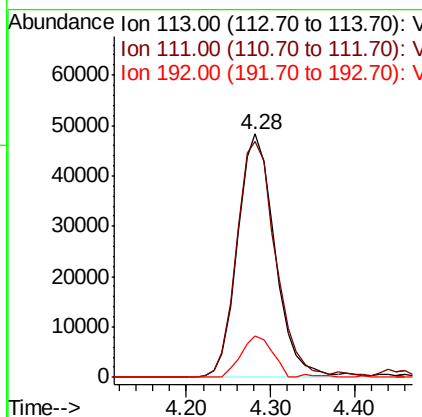
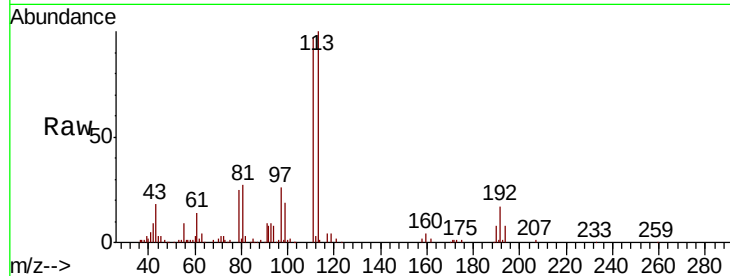
#35
 Dibromofluoromethane
 Concen: 51.03 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149382		
111	96.7	79.0	118.4	
192	17.0	13.2	19.8	

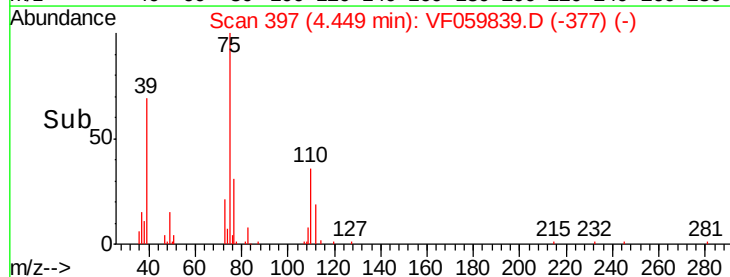
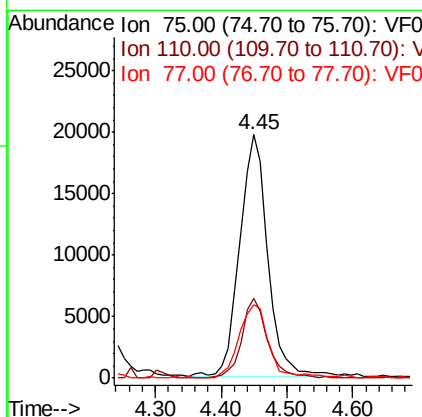
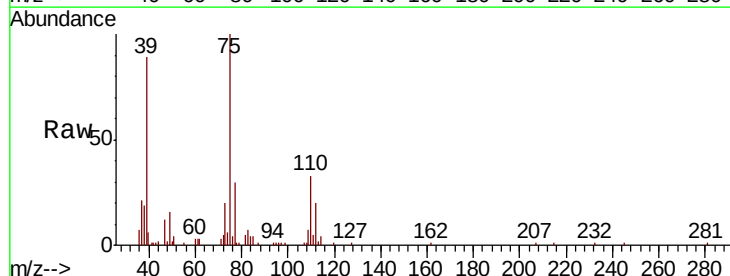
Manual Integrations
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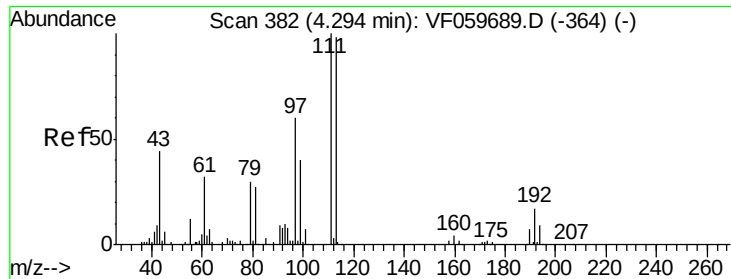
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#36
 1,1-Dichloropropene
 Concen: 18.26 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59262		
110	32.8	14.0	41.9	
77	30.1	24.2	36.2	





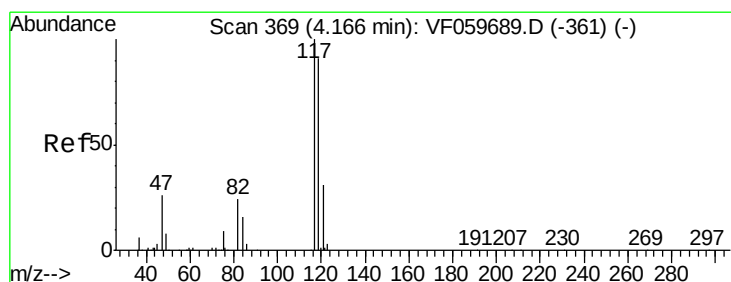
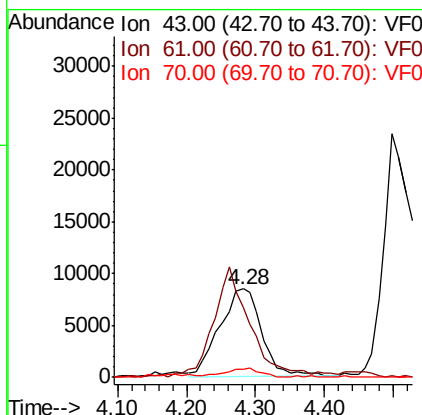
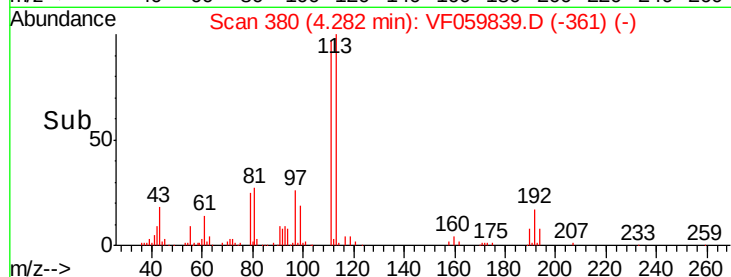
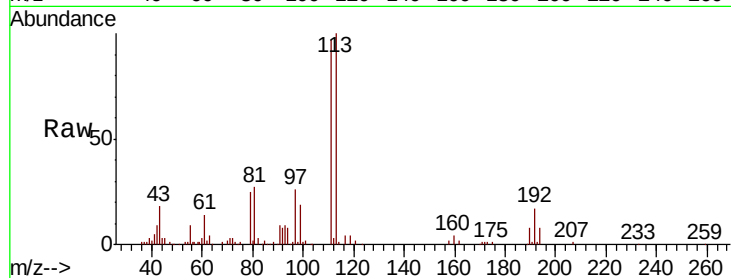
#37
Ethyl Acetate
Concen: 23.01 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	78.8	58.2	87.2
70	9.1	6.0	9.0

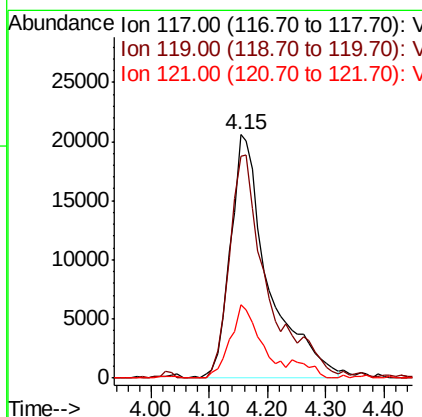
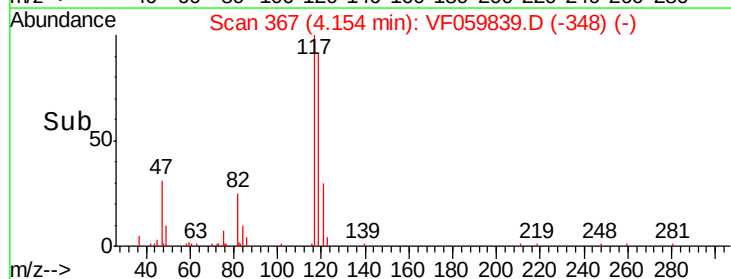
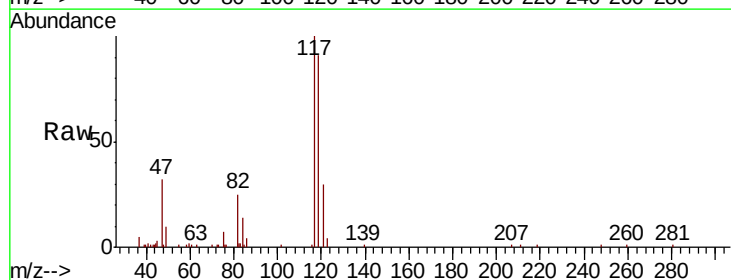
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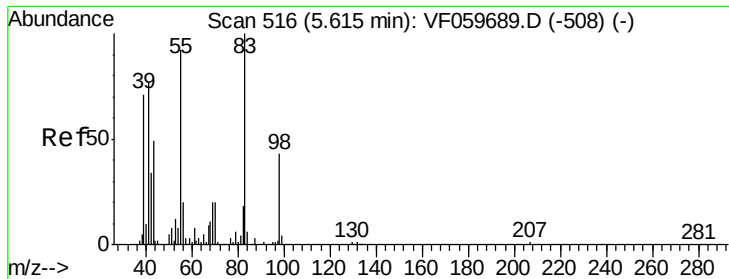
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#38
Carbon Tetrachloride
Concen: 20.76 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	72.9	109.3
121	30.0	25.0	37.4





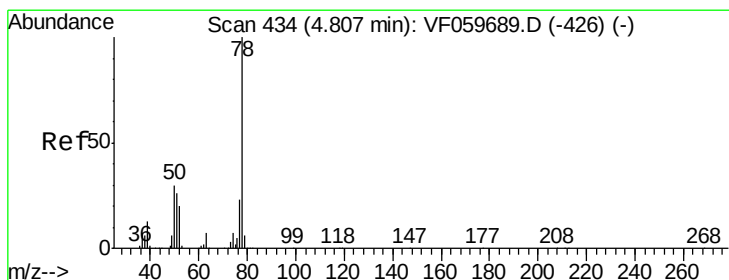
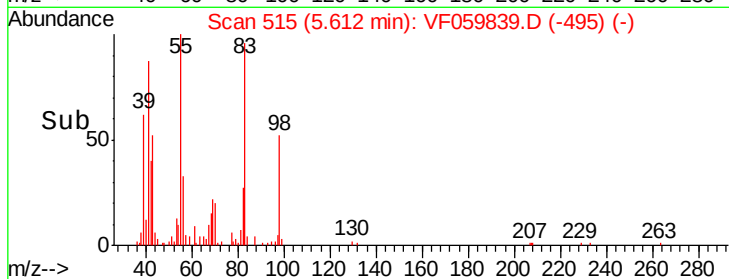
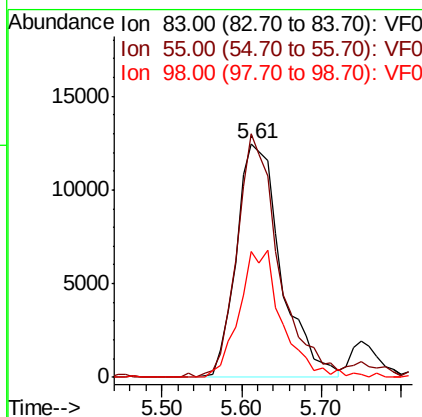
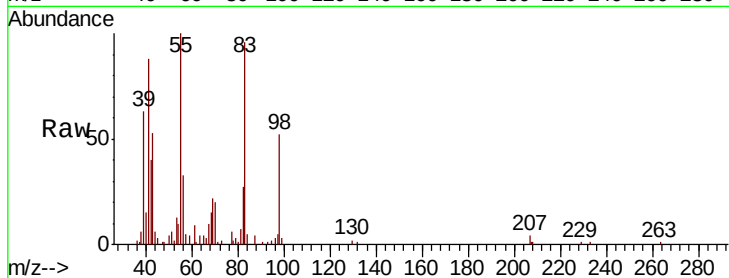
#39
Methylvlcyclohexane
Concen: 19.55 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	104.2	73.4	110.2
98	54.1	34.2	51.4

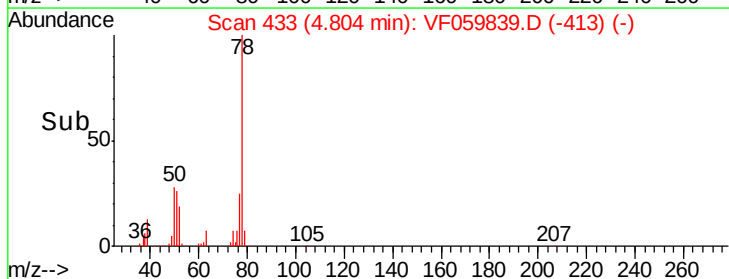
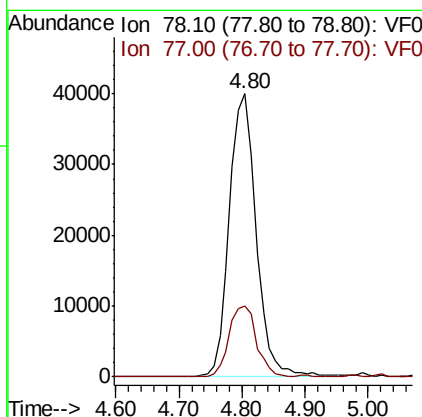
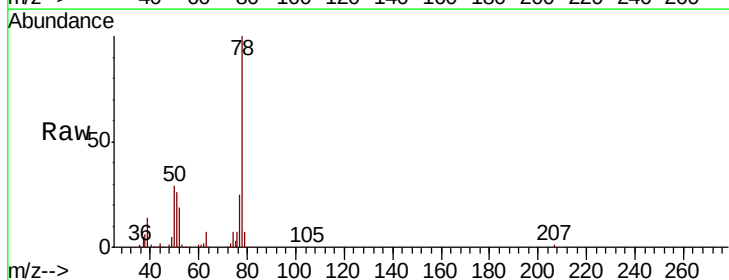
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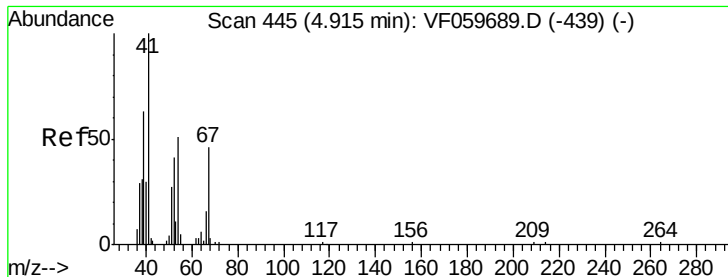
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#40
Benzene
Concen: 20.77 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.9	28.3





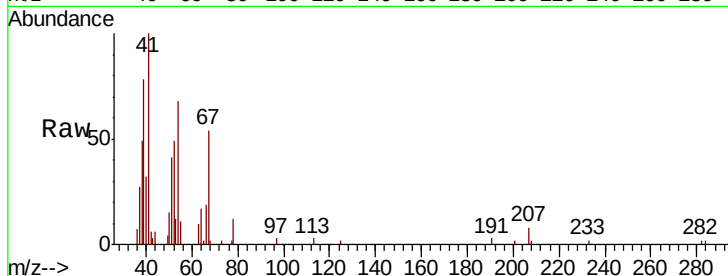
#41
Methacrylonitrile
Concen: 23.52 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

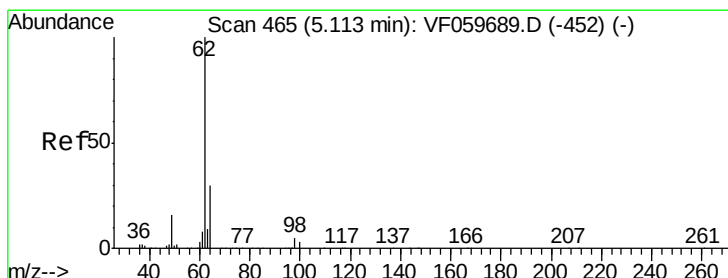
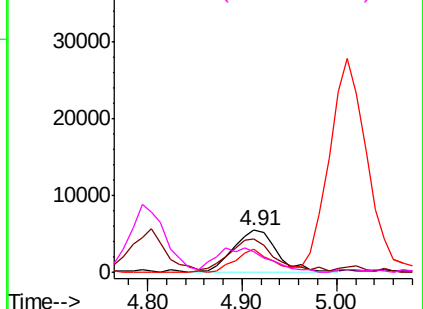
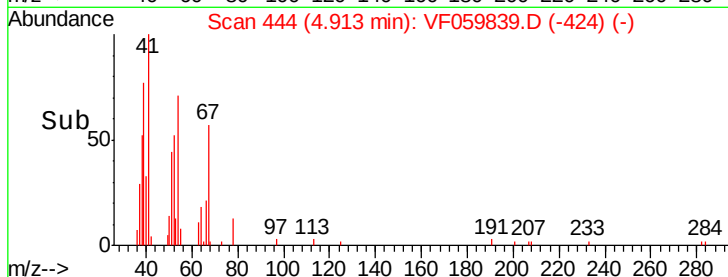
Tot Ion	Ratio	Lower	Upper
41	100		
39	78.4	55.2	82.8
67	53.8	36.2	54.2
52	49.0	37.7	56.5

Manual Integrations
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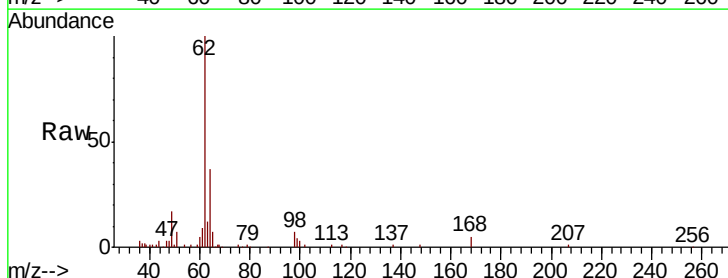


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

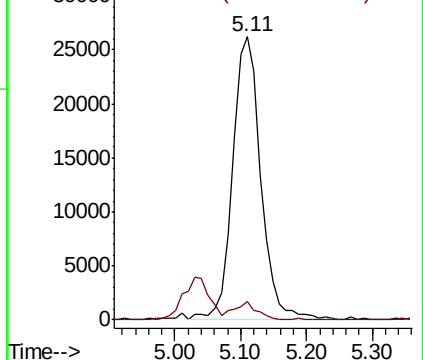
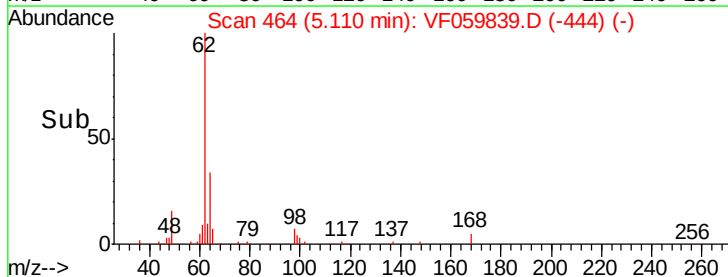


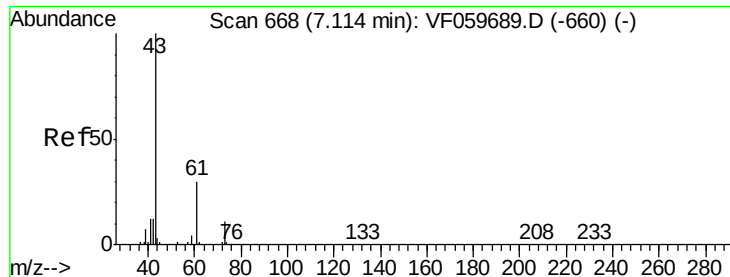
#42
1,2-Dichloroethane
Concen: 19.83 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.80 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

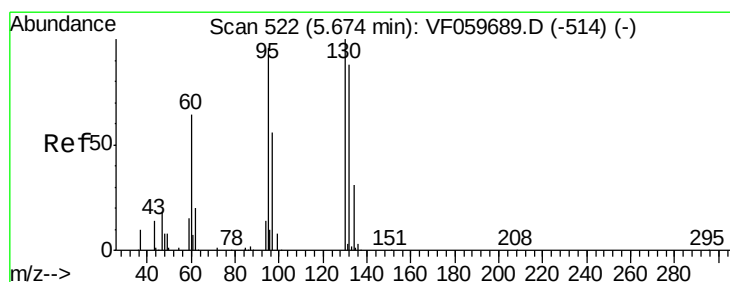
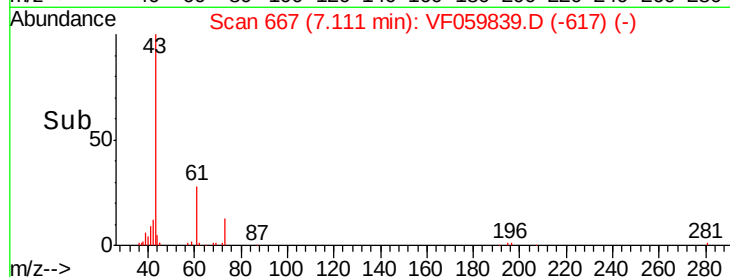
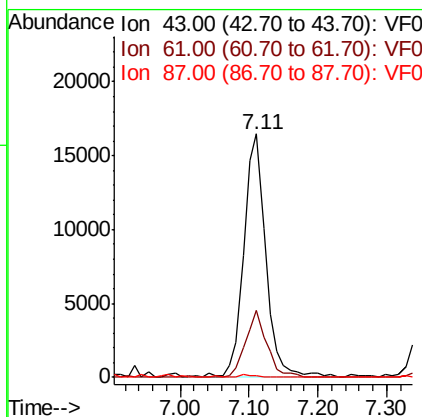
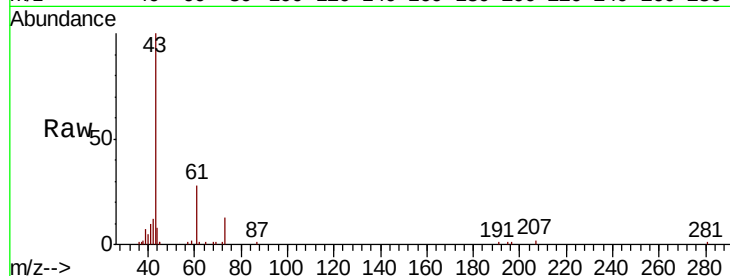
ClientSampleId :

VF0803SBS01

Tot Ion:	43	Resp:	36732
Ion	Ratio	Lower	Upper
43	100		
61	27.6	23.8	35.8
87	0.9	0.6	1.0

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#44

Trichloroethene

Concen: 21.03 ug/l

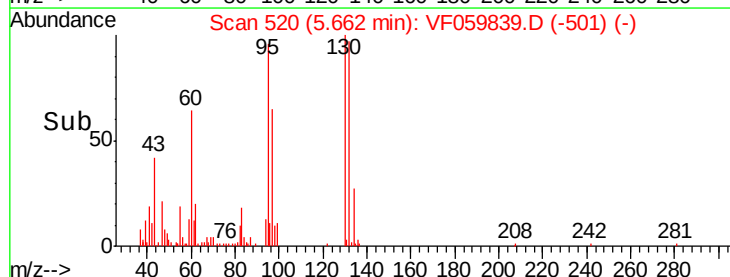
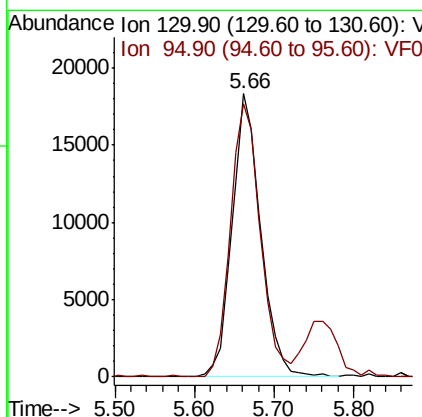
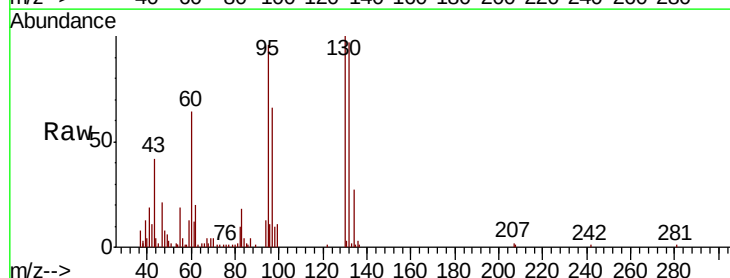
RT: 5.66 min Scan# 520

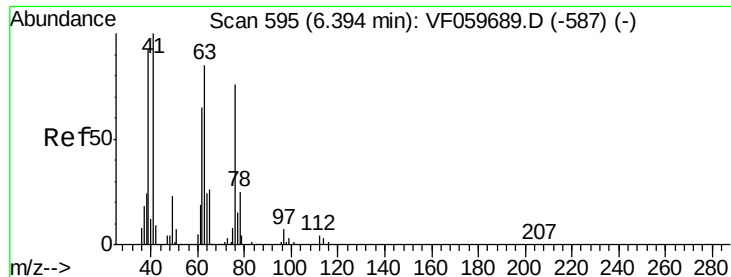
Delta R.T. -0.01 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	130	Resp:	45962
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	191.0





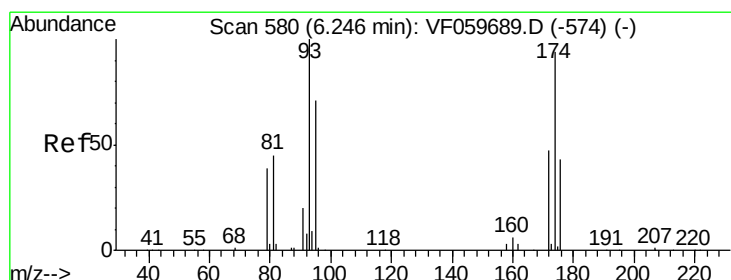
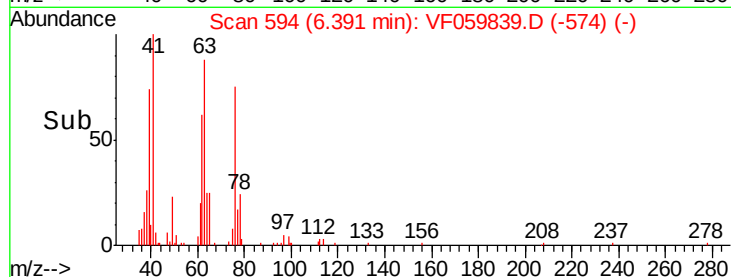
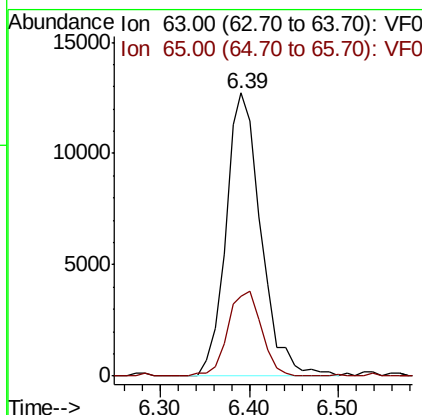
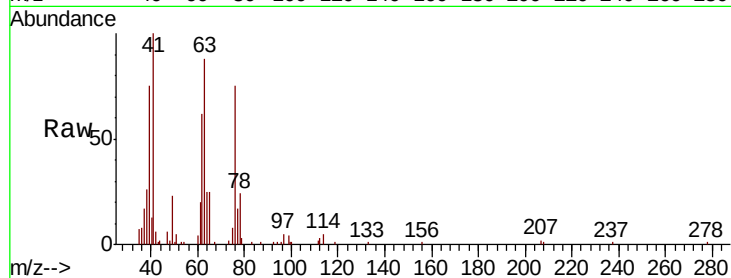
#45
 1,2-Dichloropropane
 Concen: 23.26 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.0	25.2	37.8

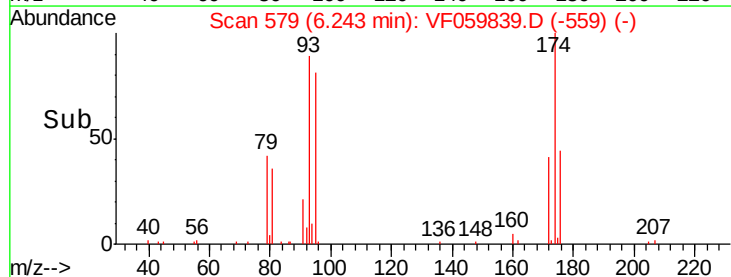
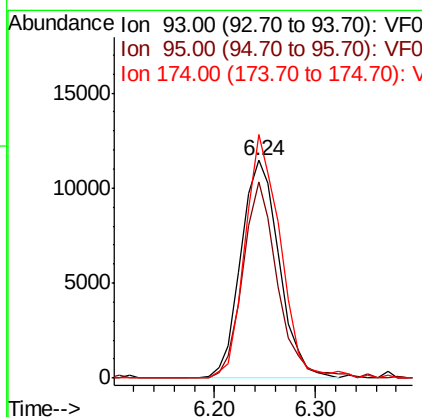
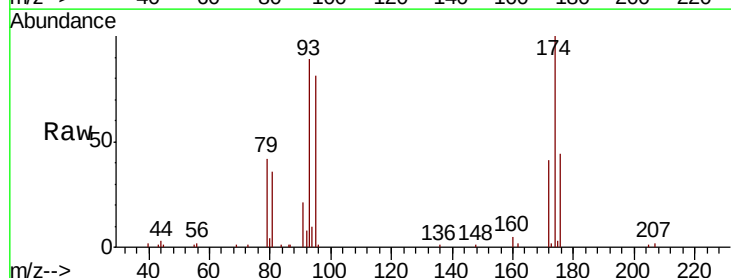
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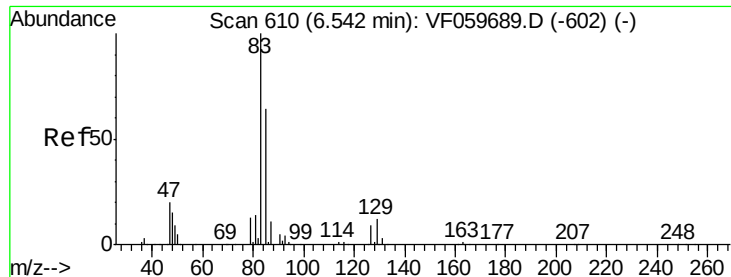
apatel
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#46
 Dibromomethane
 Concen: 21.25 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	90.2	57.1	85.7#
174	115.0	74.8	112.2#





#47

Bromodichloromethane

Concen: 19.81 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

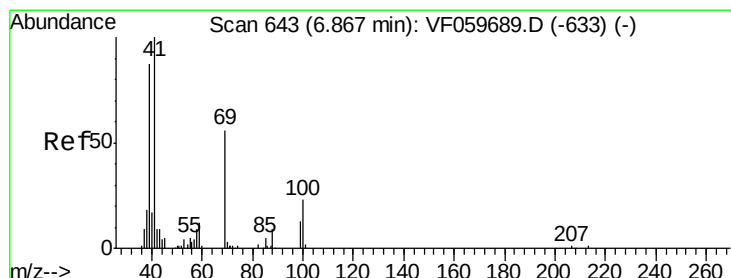
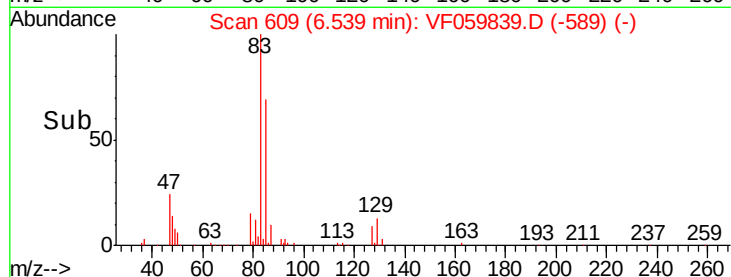
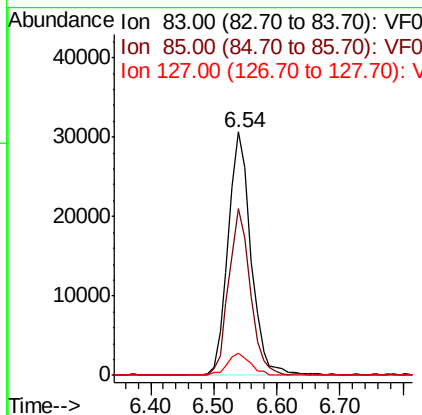
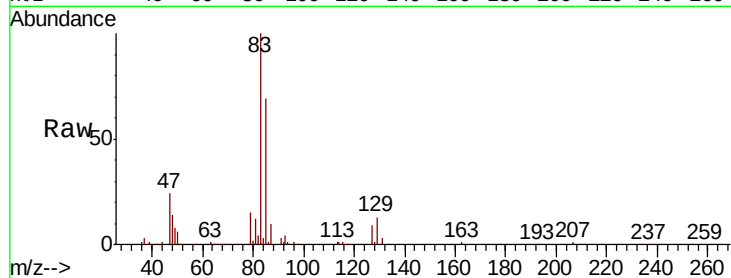
ClientSampleId :

VF0803SBS01

Tot Ion:	83	Resp:	76962
Ion	Ratio	Lower	Upper
83	100		
85	68.7	51.0	76.6
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.04 ug/l

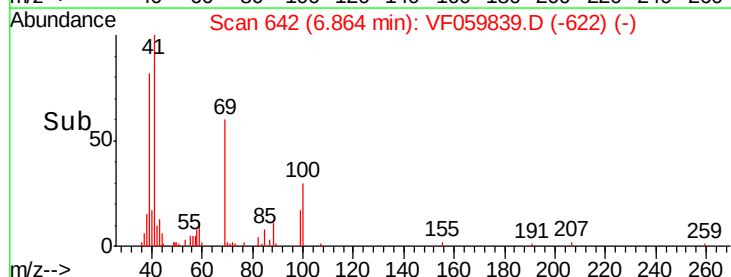
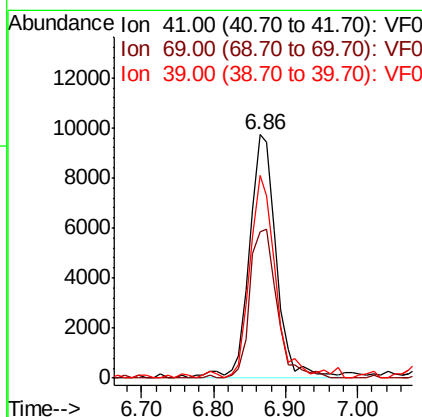
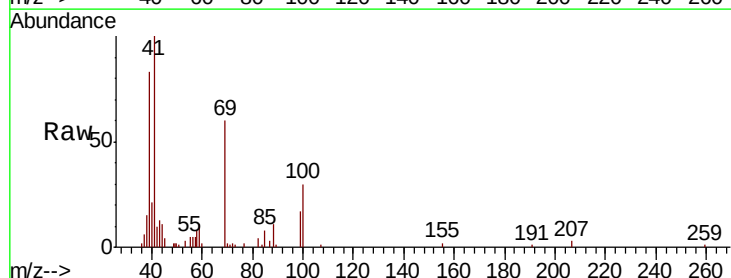
RT: 6.86 min Scan# 642

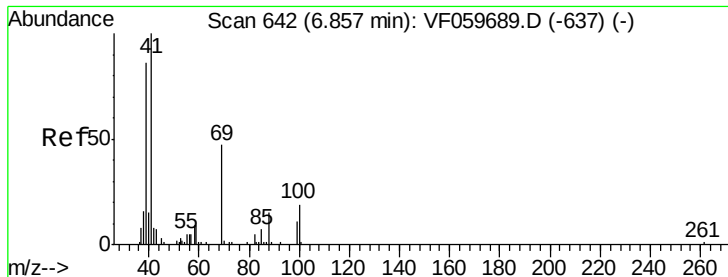
Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	41	Resp:	25400
Ion	Ratio	Lower	Upper
41	100		
69	60.0	44.4	66.6
39	83.3	69.4	104.2





#49

1,4-Dioxane

Concen: 537.63 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

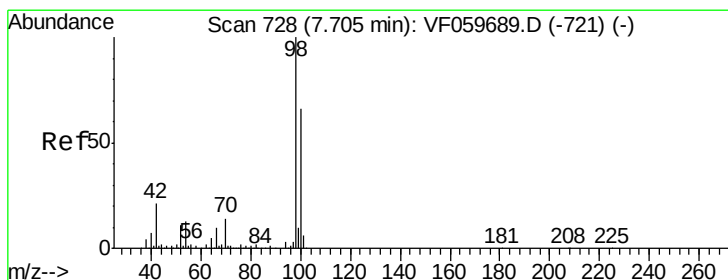
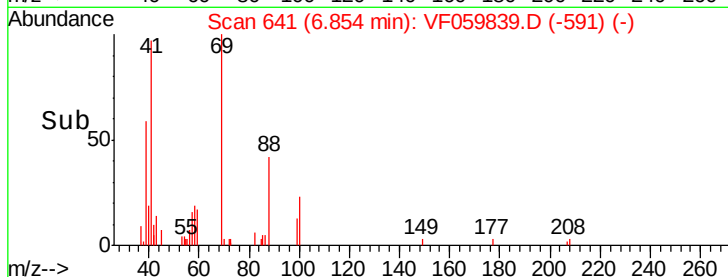
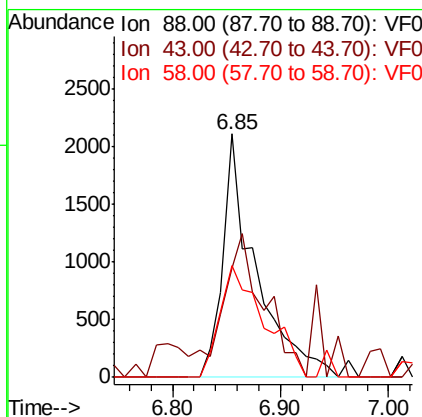
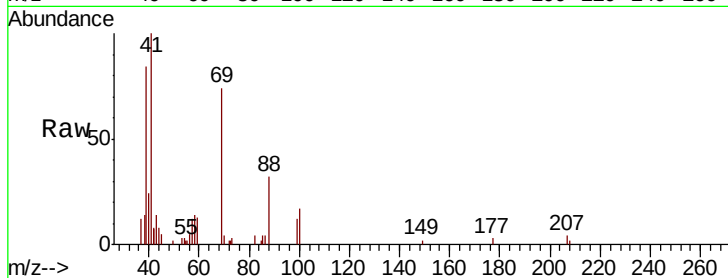
ClientSampleId :

VF0803SBS01

Tot Ion:	88	Resp:	4465
Ion Ratio	Lower	Upper	
88	100		
43	44.8	45.2	67.8#
58	46.0	49.0	73.6#

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#50

Toluene-d8

Concen: 49.56 ug/l

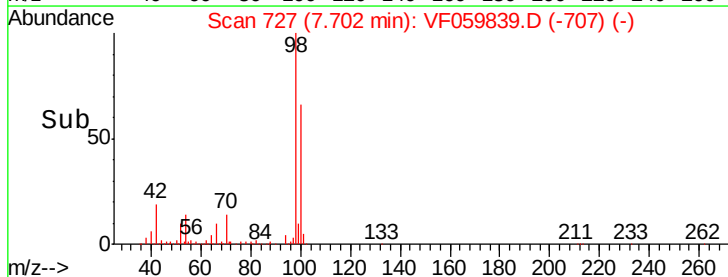
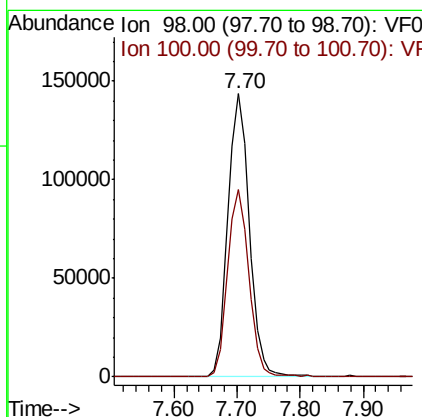
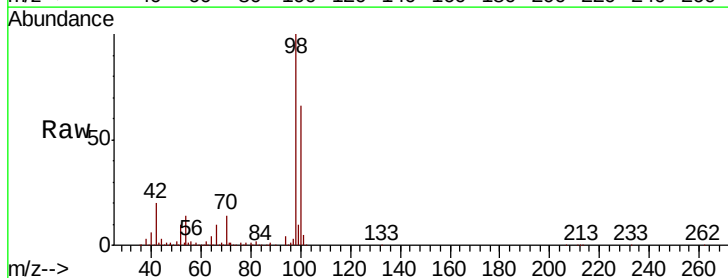
RT: 7.70 min Scan# 727

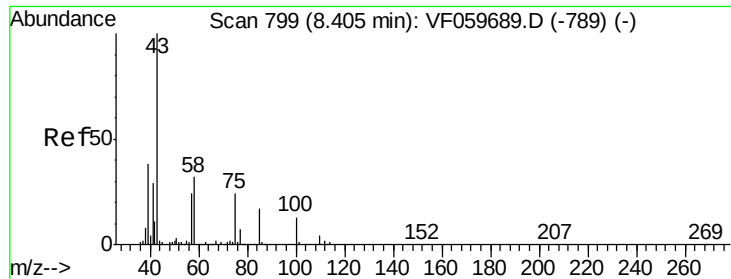
Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	98	Resp:	338274
Ion Ratio	Lower	Upper	
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 113.98 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 43 Resp: 146111

Ion Ratio Lower Upper

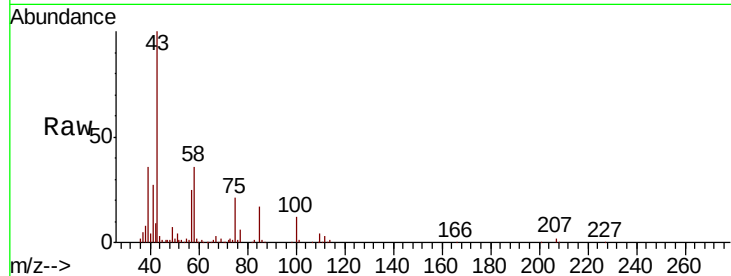
43 100

58 35.5 25.9 38.9

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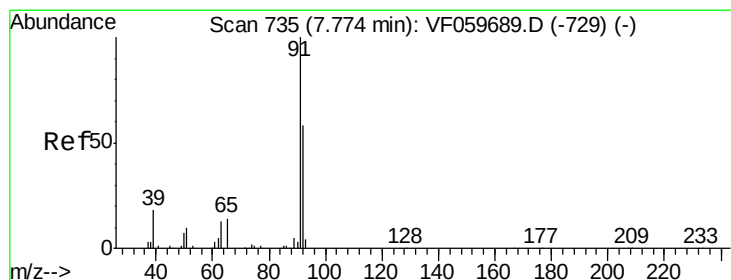
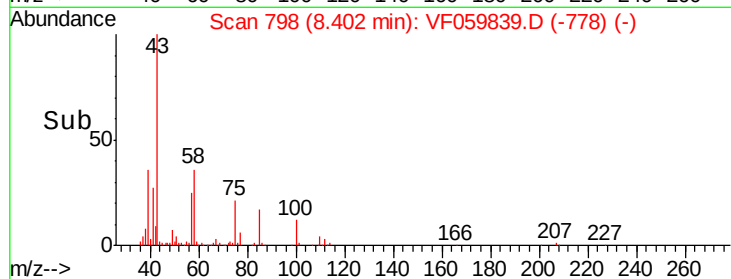
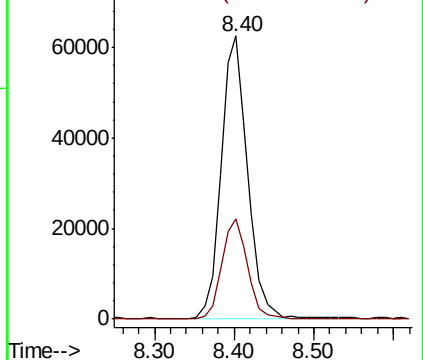
apatel

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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: 21.74 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059839.D

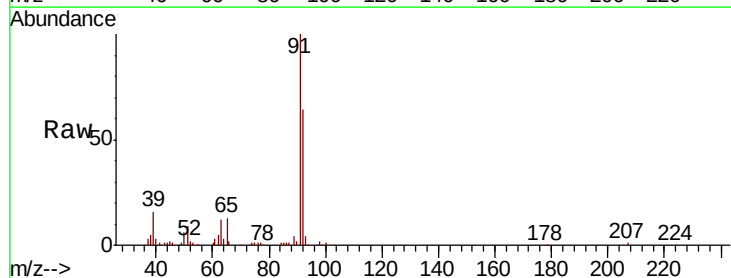
Acq: 3 Aug 2018 15:25

Tgt Ion: 92 Resp: 88029

Ion Ratio Lower Upper

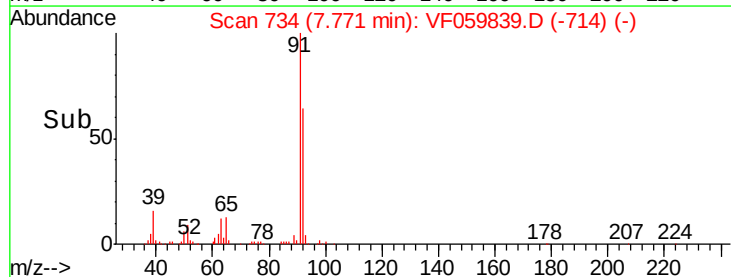
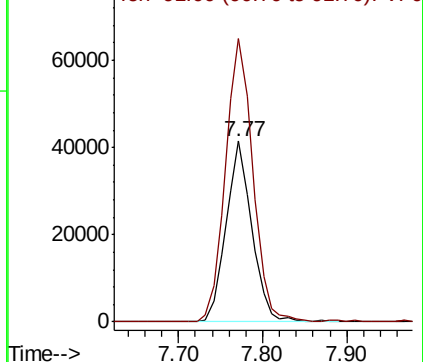
92 100

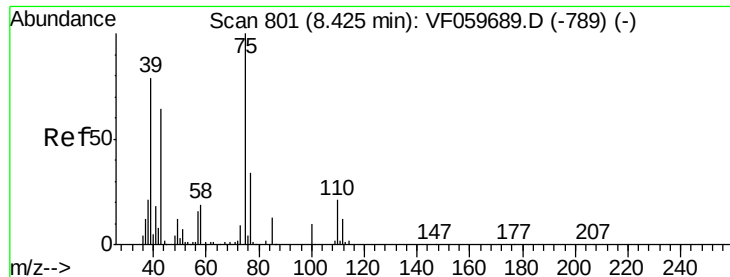
91 156.7 139.0 208.4



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: 19.79 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 75 Resp: 66714

Ion Ratio Lower Upper

75 100

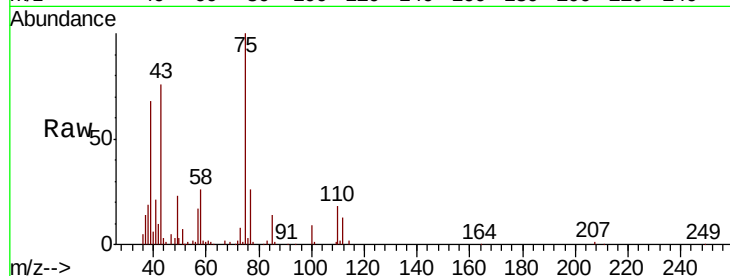
77 26.4 27.0 40.4#

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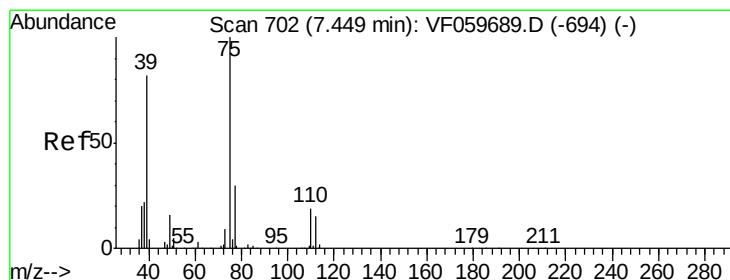
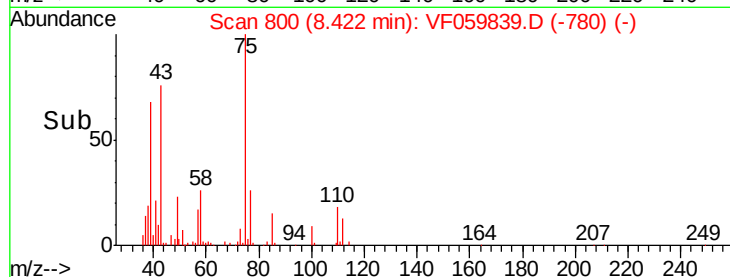
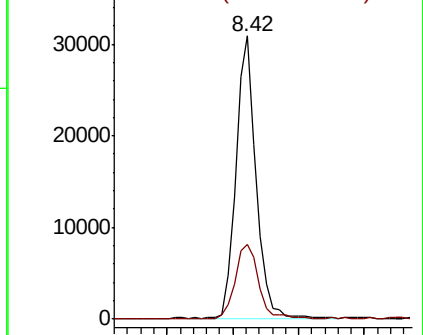
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.04 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

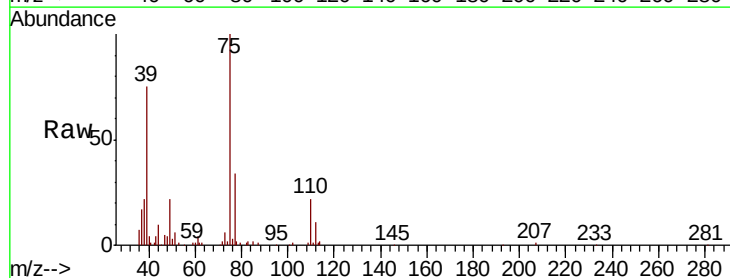
Tgt Ion: 75 Resp: 68728

Ion Ratio Lower Upper

75 100

77 34.3 24.0 36.0

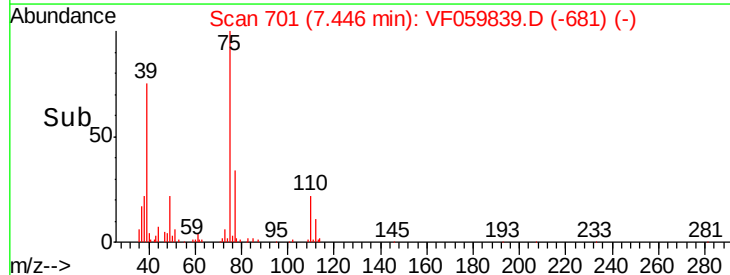
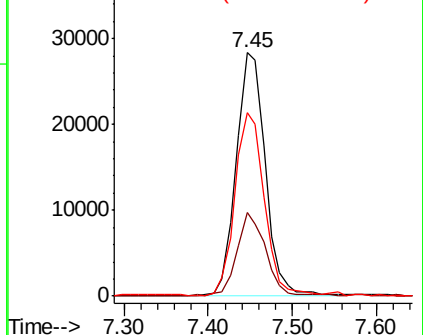
39 75.4 65.4 98.2

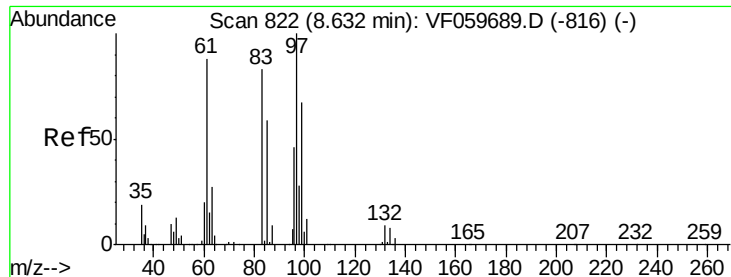


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.98 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

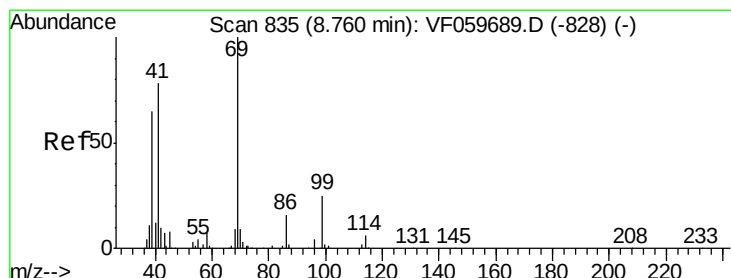
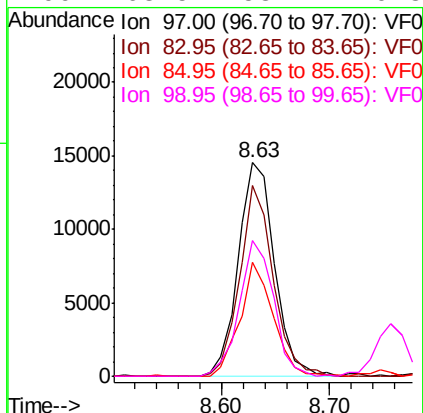
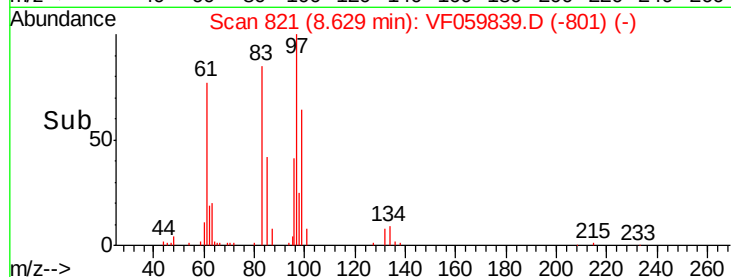
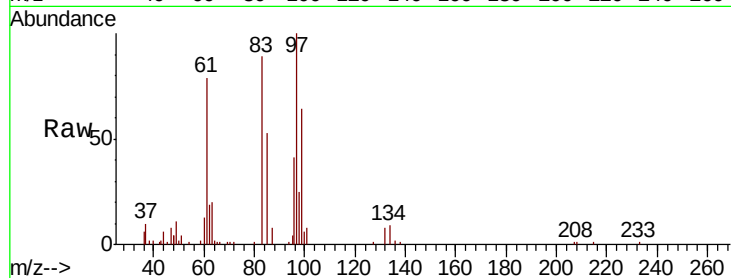
ClientSampleId :

VF0803SBS01

Tot Ion:	97	Resp:	33882
Ion	Ratio	Lower	Upper
97	100		
83	89.3	66.6	100.0
85	53.3	47.4	71.0
99	63.5	53.2	79.8

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#56

Ethyl methacrylate

Concen: 20.73 ug/l

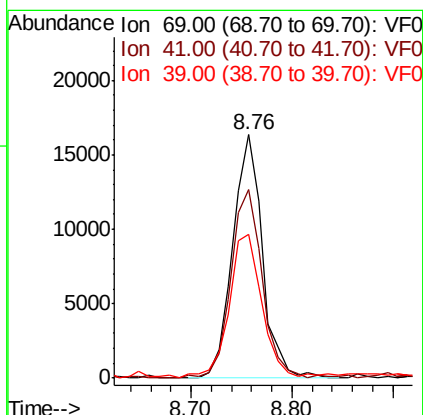
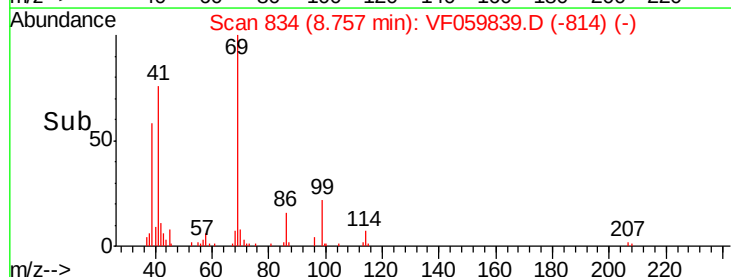
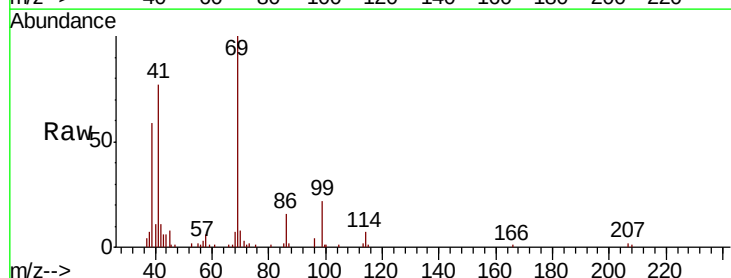
RT: 8.76 min Scan# 834

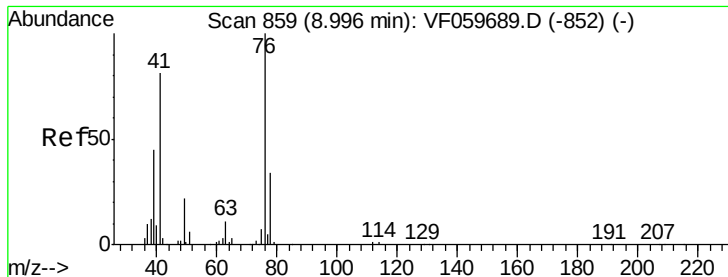
Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	69	Resp:	33330
Ion	Ratio	Lower	Upper
69	100		
41	77.4	62.3	93.5
39	58.8	52.4	78.6





#57

1,3-Dichloropropane

Concen: 20.28 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 76 Resp: 53626

Ion Ratio Lower Upper

76 100

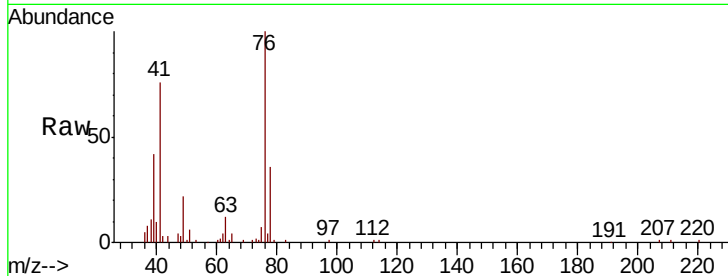
78 35.5 27.2 40.8

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

25000

20000

15000

10000

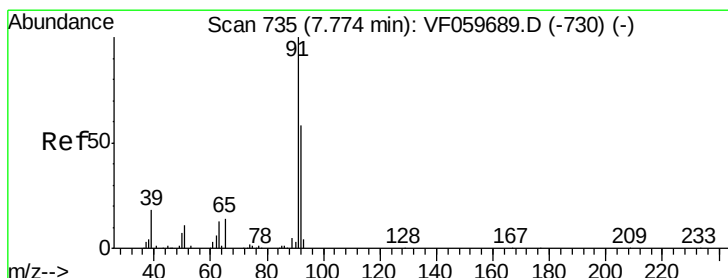
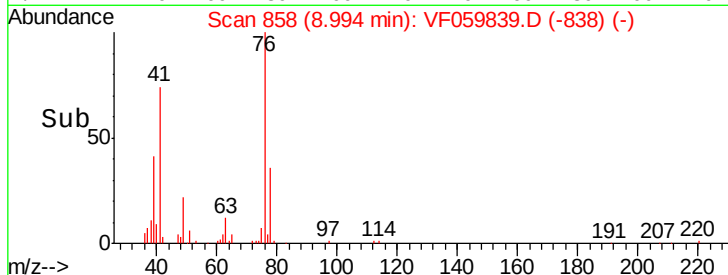
5000

0

8.99

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 97.32 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059839.D

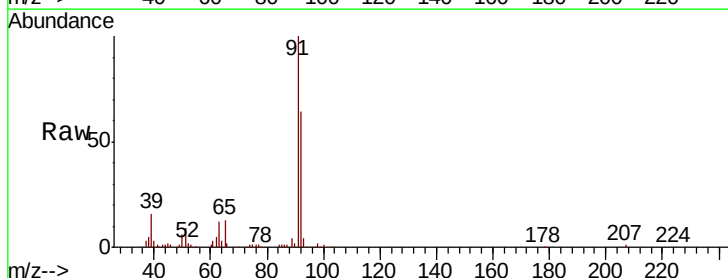
Acq: 3 Aug 2018 15:25

Tgt Ion: 63 Resp: 18062

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

8000

6000

4000

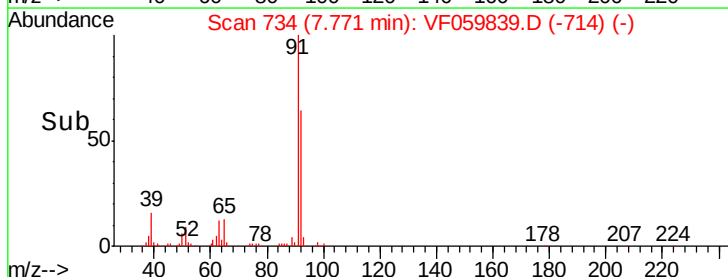
2000

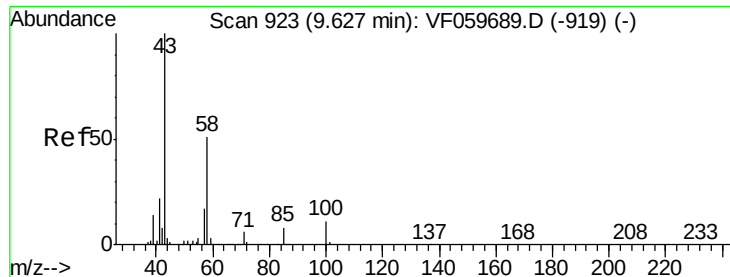
0

7.77

7.70 7.75 7.80 7.85

Time-->





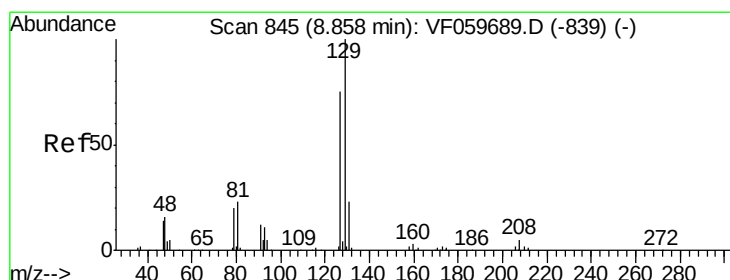
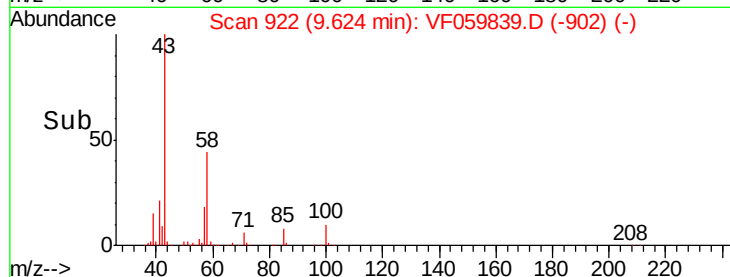
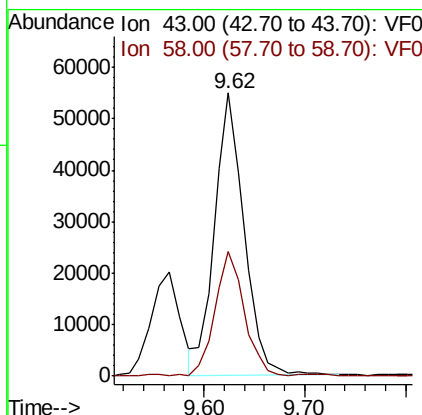
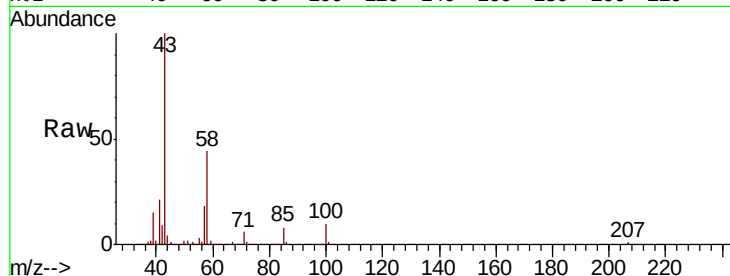
#59
2-Hexanone
Concen: 109.16 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.2	23.3	69.8

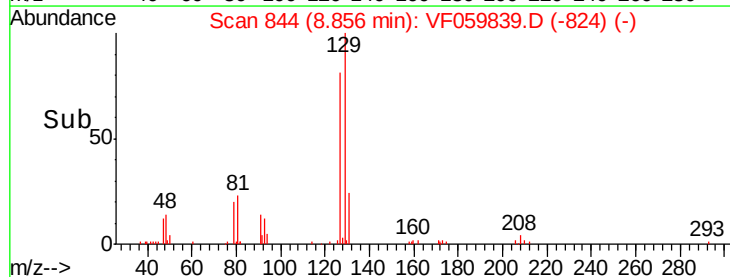
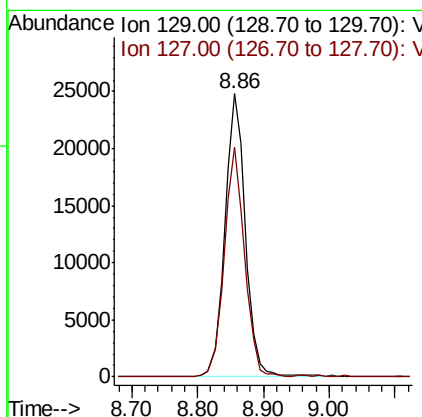
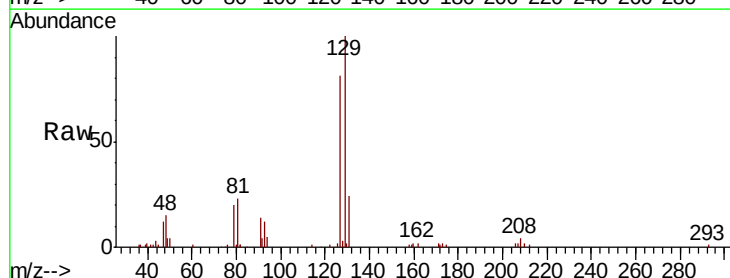
Manual Integrations
APPROVED

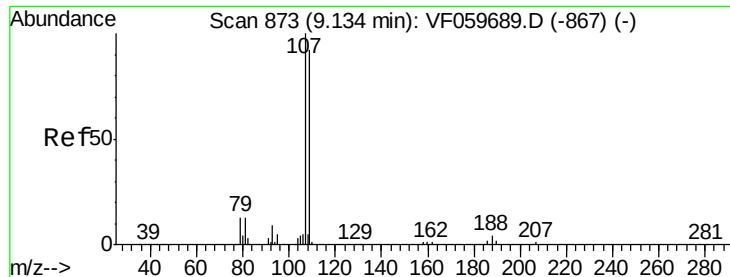
apatel
8/6/2018 10:07:43 AM



#60
Dibromochloromethane
Concen: 19.82 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.1	37.7	113.1





#61

1,2-Dibromoethane

Concen: 20.79 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion:107 Resp: 37425

Ion Ratio Lower Upper

107 100

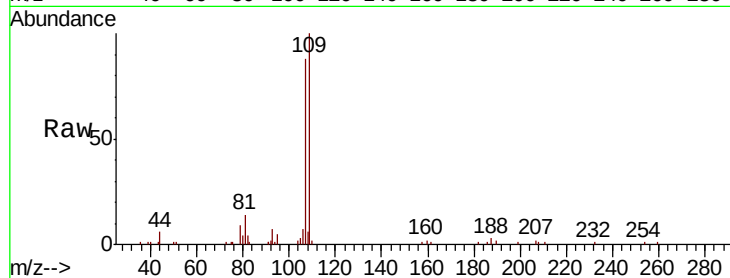
109 113.7 73.6 110.4#

Manual Integrations

APPROVED

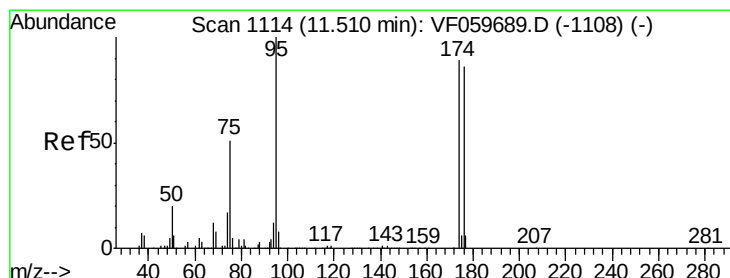
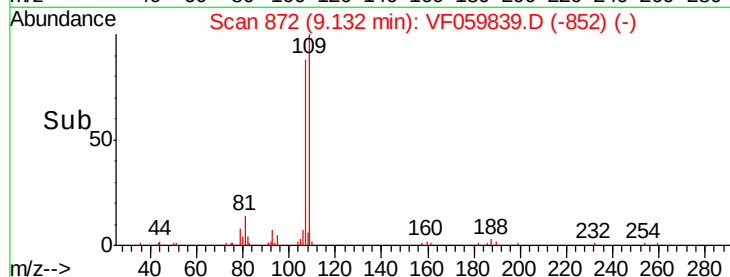
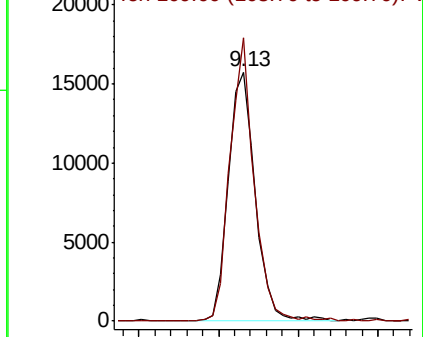
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.84 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

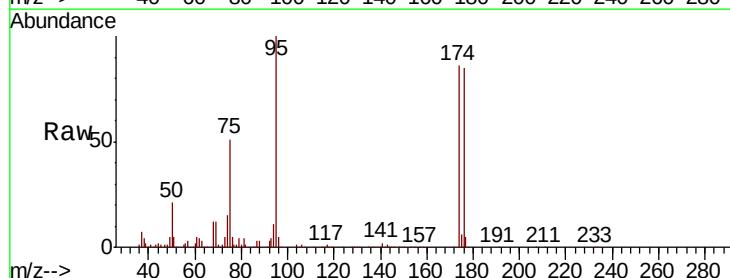
Tgt Ion: 95 Resp: 180799

Ion Ratio Lower Upper

95 100

174 85.7 0.0 178.4

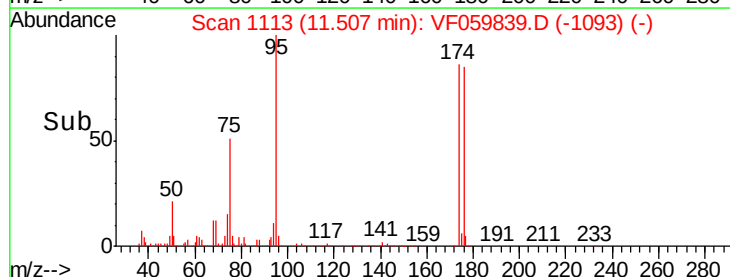
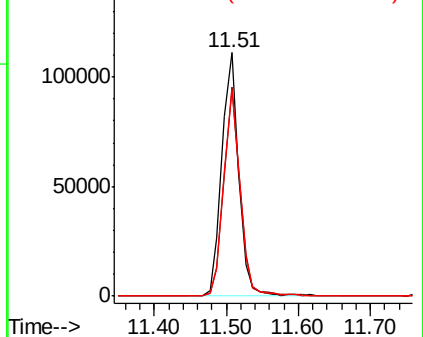
176 84.8 0.0 173.0

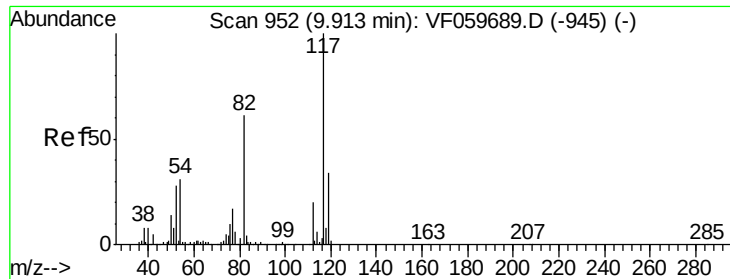


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





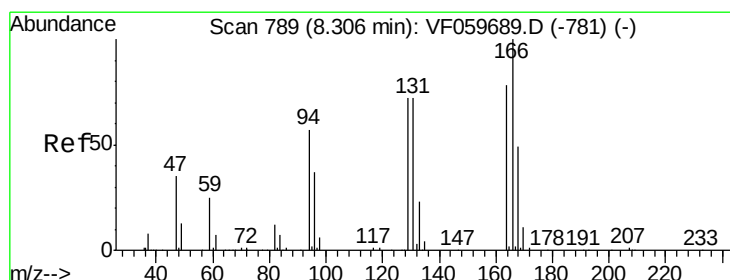
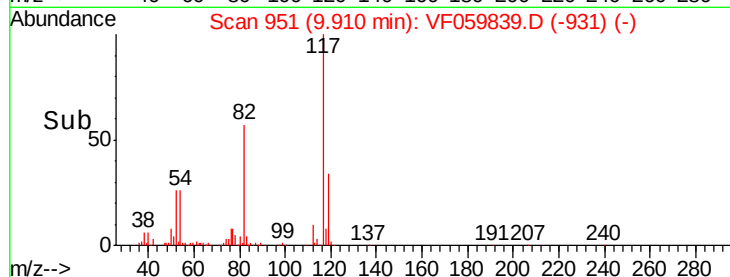
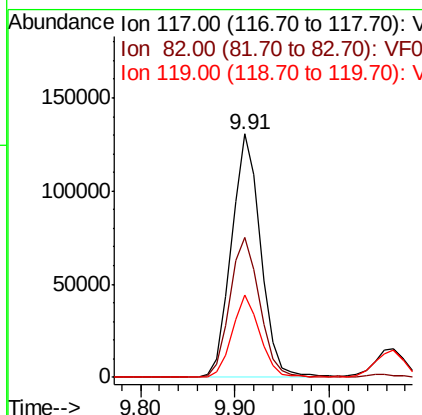
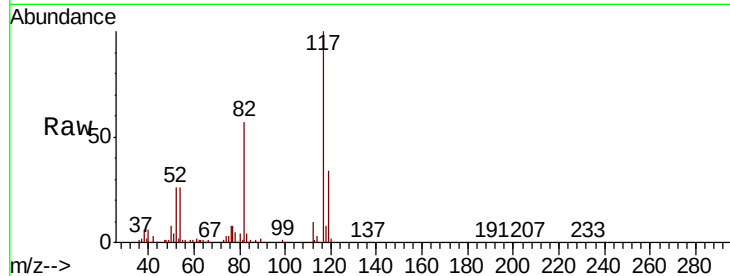
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	278905		
82	57.2		49.0	73.4
119	33.7		27.3	40.9

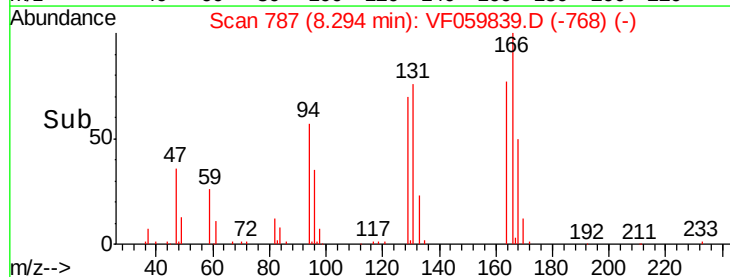
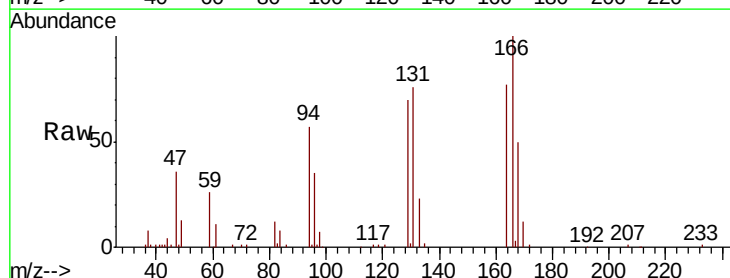
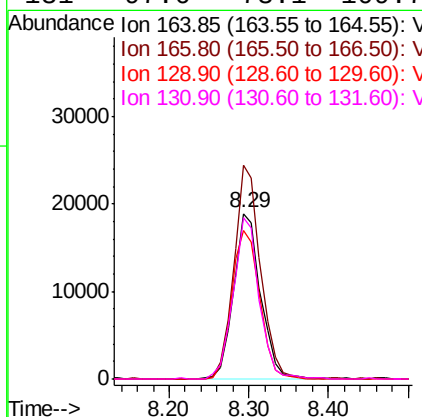
Manual Integrations
APPROVED

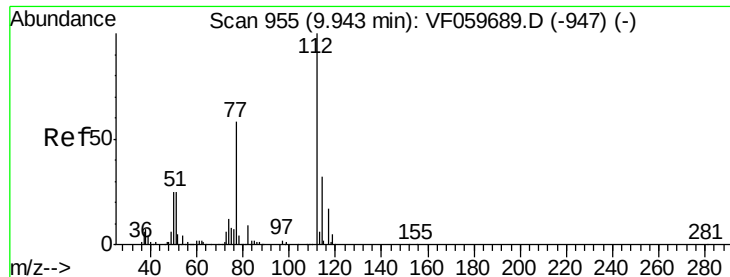
apatel
8/6/2018 10:07:43 AM



#64
Tetrachloroethene
Concen: 21.04 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44439		
166	129.2		102.1	153.1
129	89.8		73.8	110.6
131	97.6		73.1	109.7





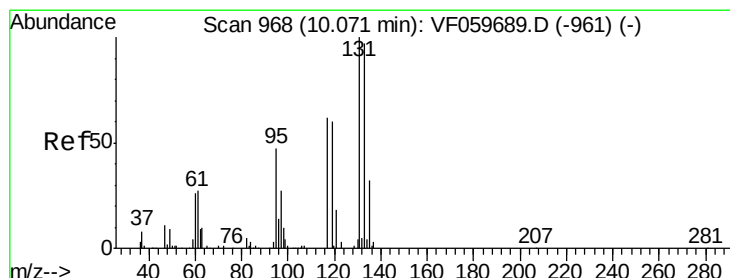
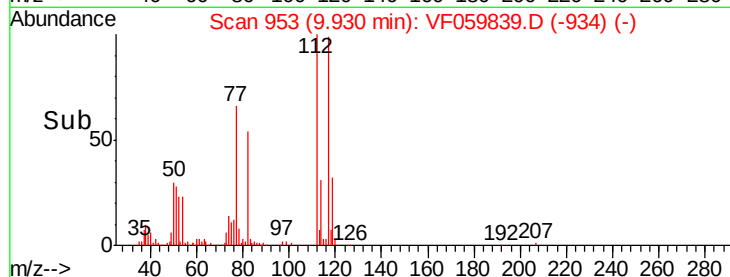
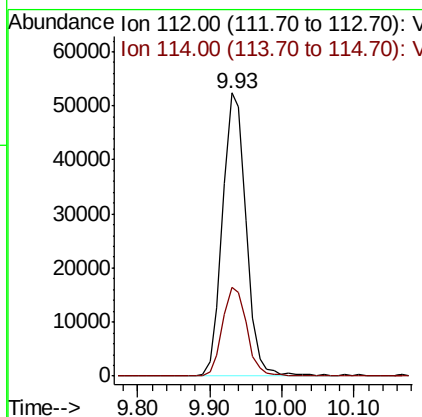
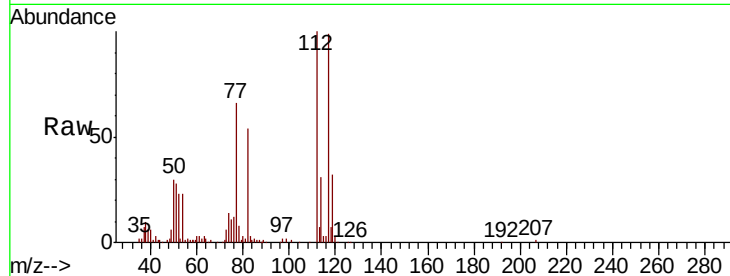
#65
Chlorobenzene
Concen: 21.36 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.6	38.4

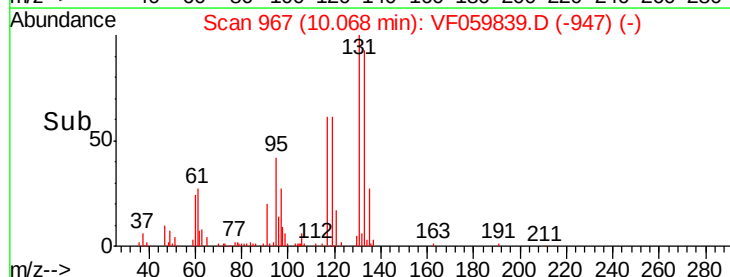
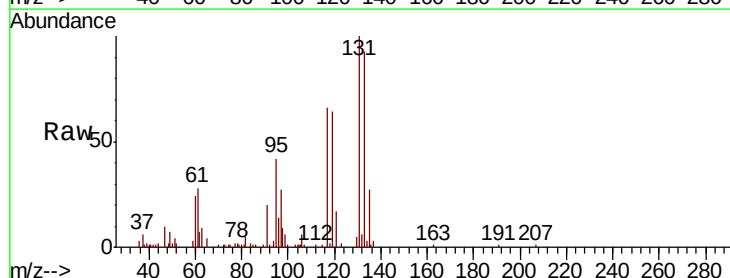
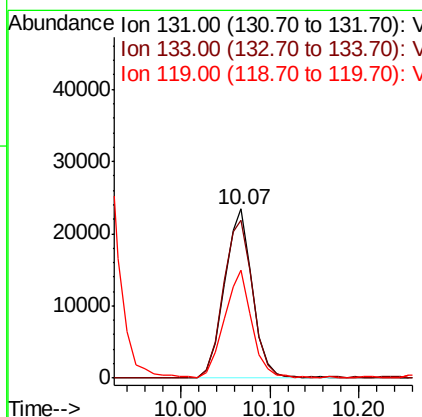
Manual Integrations
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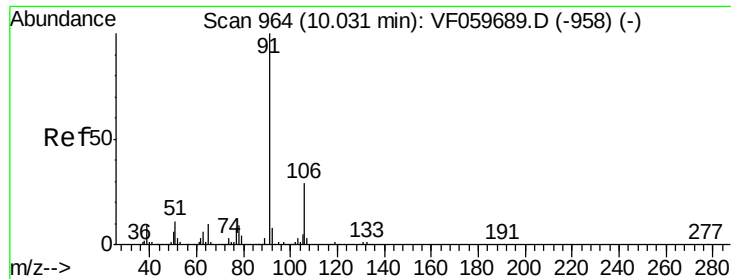
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.84 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.5	145.5
119	64.1	30.3	90.8





#67

Ethyl Benzene

Concen: 20.41 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion: 91 Resp: 197066

Ion Ratio Lower Upper

91 100

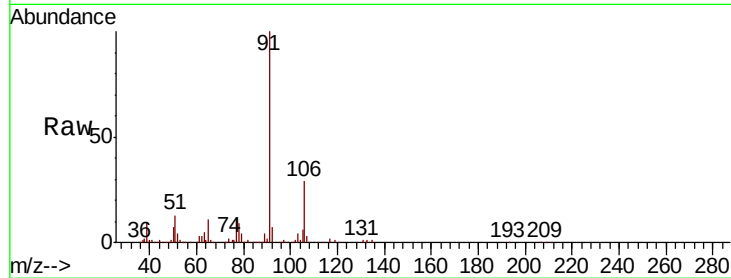
106 29.2 22.9 34.3

Manual Integrations

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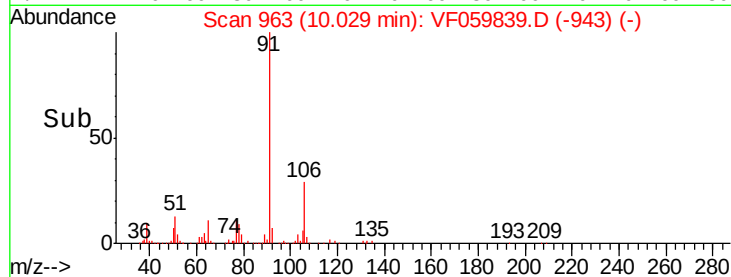
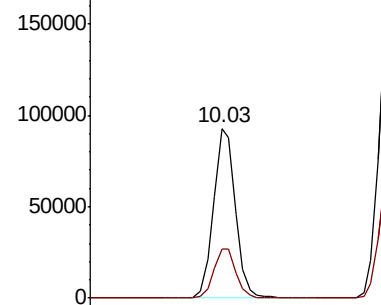
apatel

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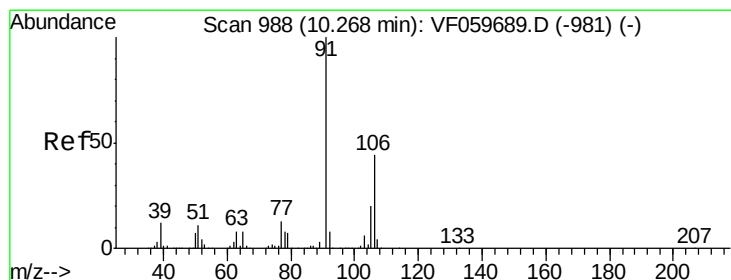


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 41.22 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059839.D

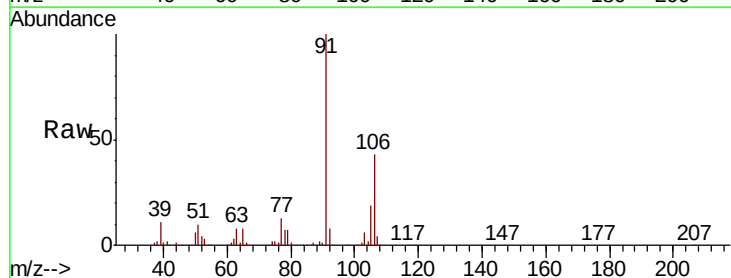
Acq: 3 Aug 2018 15:25

Tgt Ion: 106 Resp: 138323

Ion Ratio Lower Upper

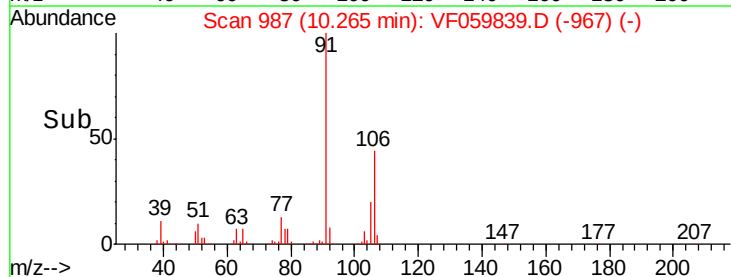
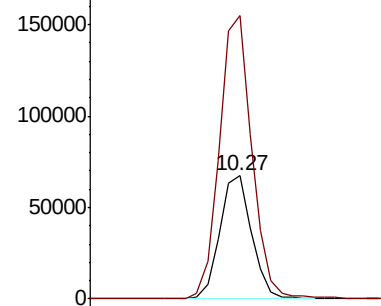
106 100

91 229.9 181.7 272.5

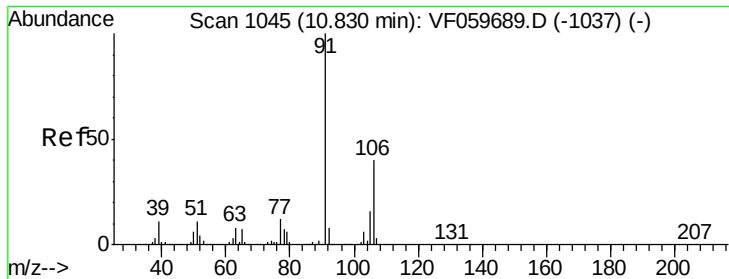


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->



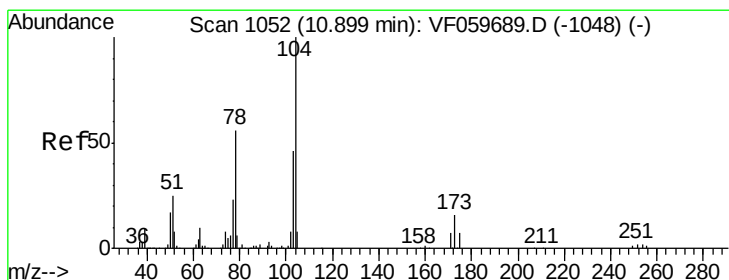
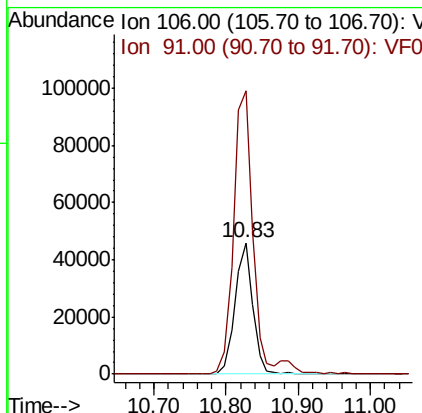
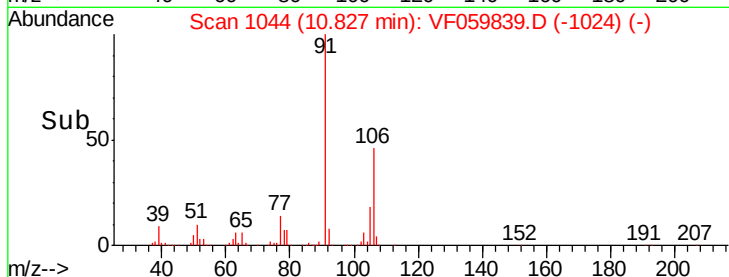
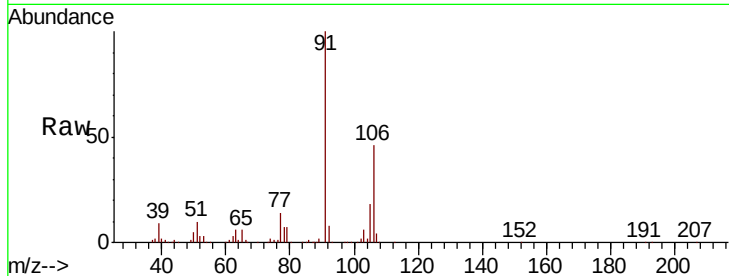
#69
o-Xylene
Concen: 22.52 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion:106 Resp: 80108
Ion Ratio Lower Upper
106 100
91 215.9 124.6 373.7

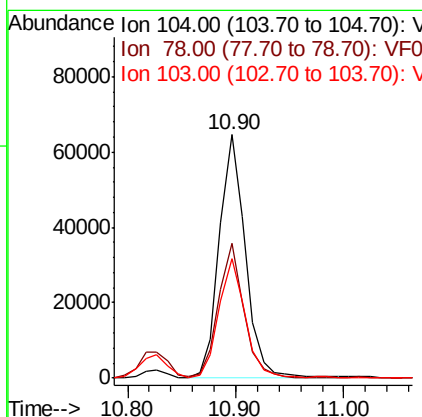
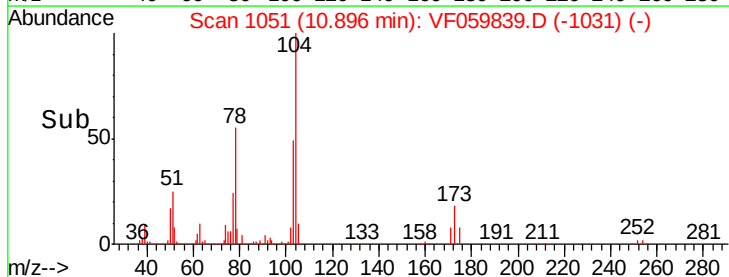
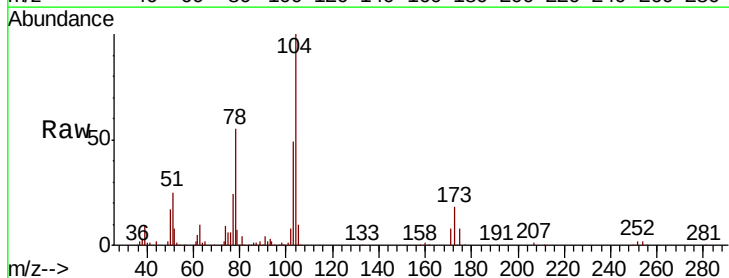
Manual Integrations
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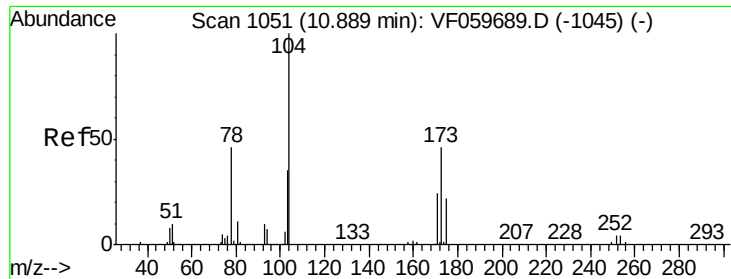
apatel
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#70
Styrene
Concen: 20.03 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion:104 Resp: 107952
Ion Ratio Lower Upper
104 100
78 55.3 45.3 67.9
103 49.0 36.6 54.8





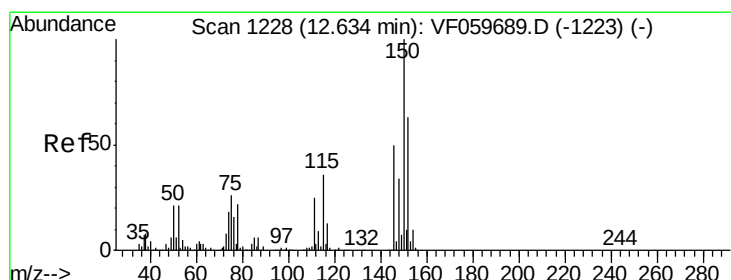
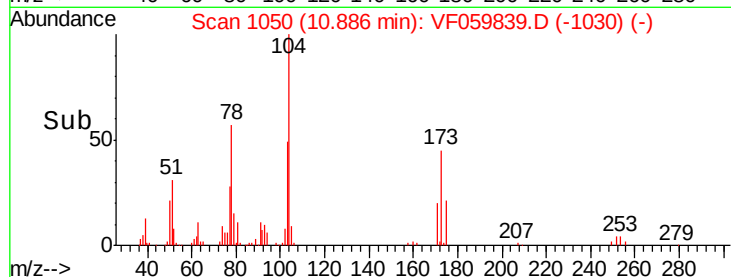
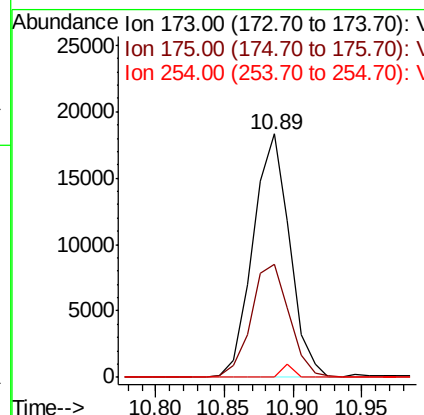
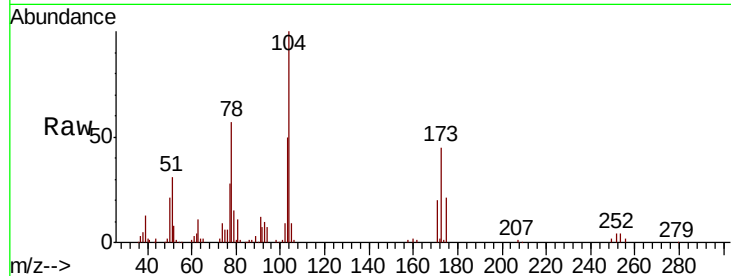
#71
Bromoform
Concen: 20.04 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	23.4	70.0
254	0.0	0.0	0.0

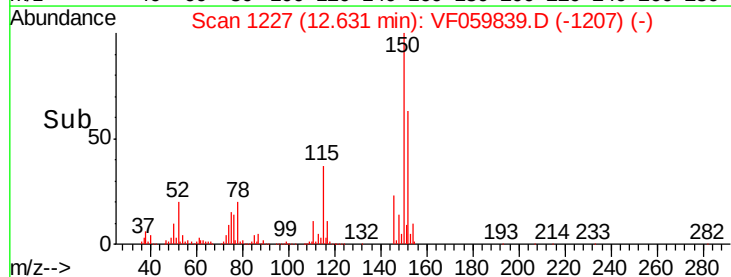
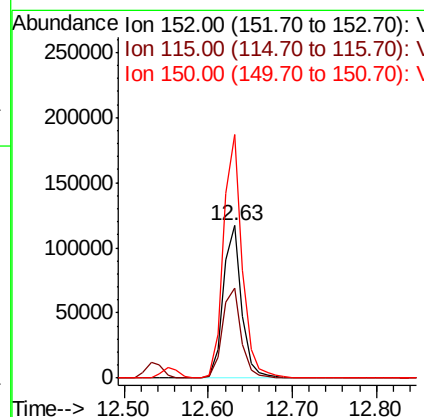
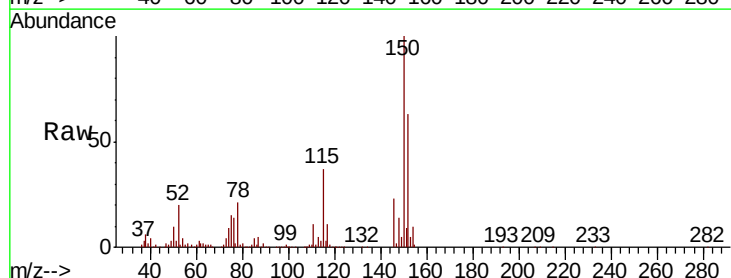
Manual Integrations
APPROVED

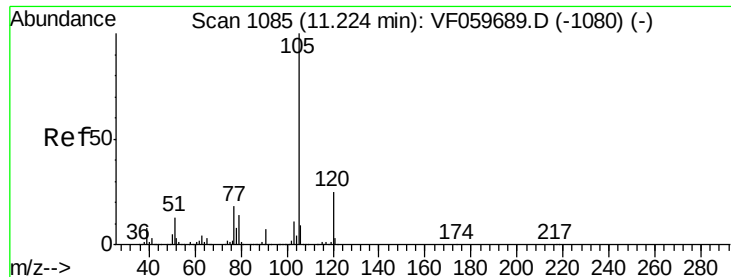
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.2	84.6
150	159.6	0.0	316.2





#73

Isopropylbenzene

Concen: 20.56 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion:105 Resp: 238359

Ion Ratio Lower Upper

105 100

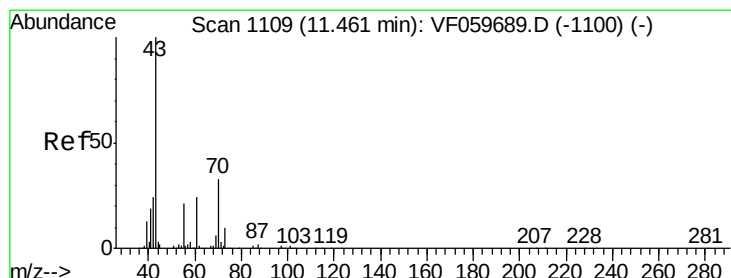
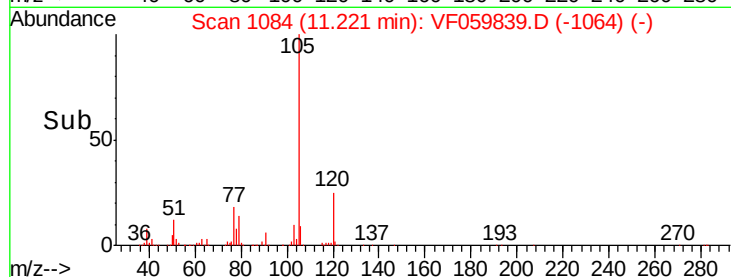
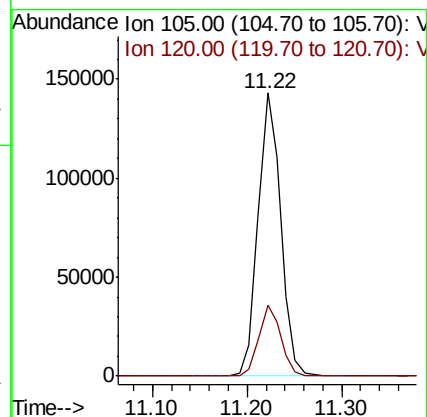
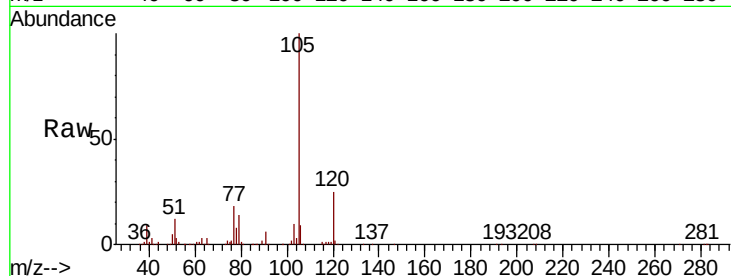
120 24.9 12.4 37.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.11 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion: 43 Resp: 61753

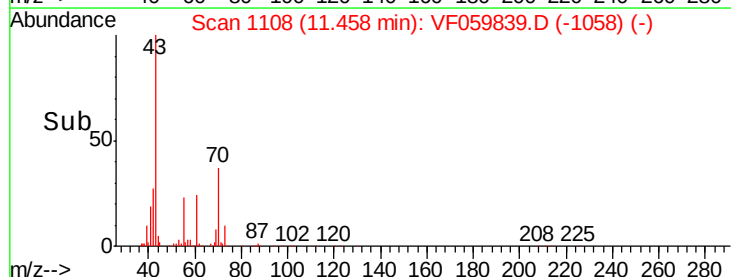
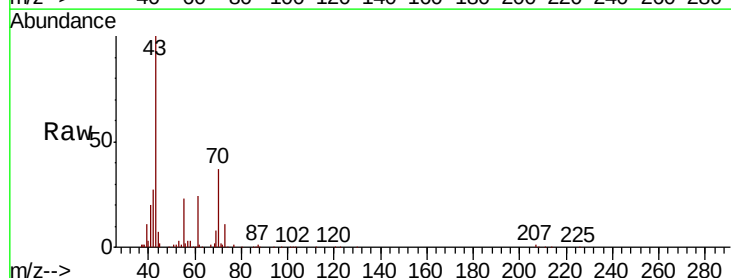
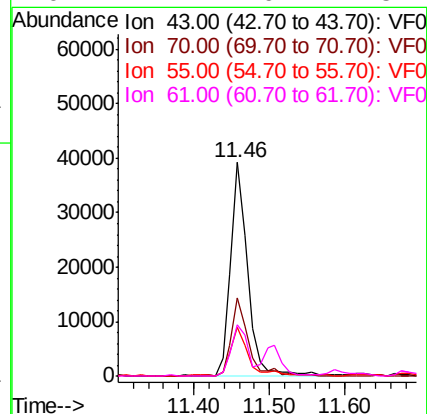
Ion Ratio Lower Upper

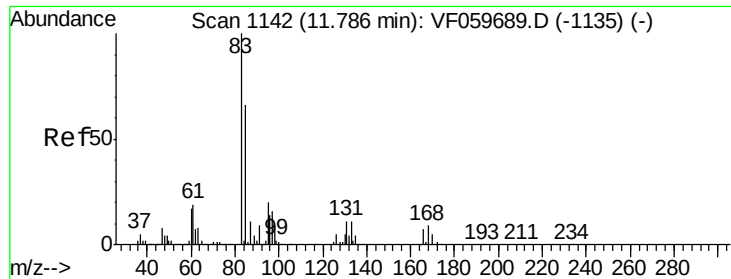
43 100

70 36.7 26.3 39.5

55 22.8 16.6 25.0

61 24.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.73 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

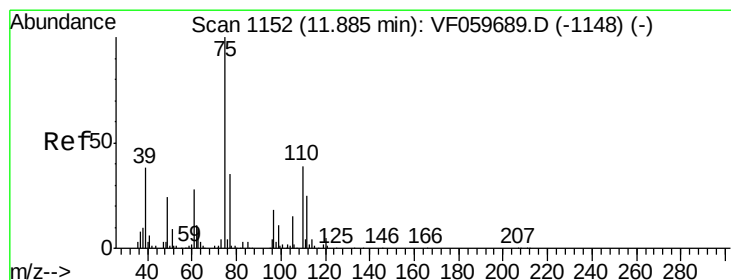
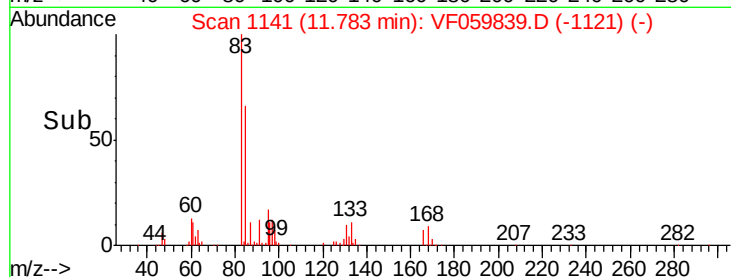
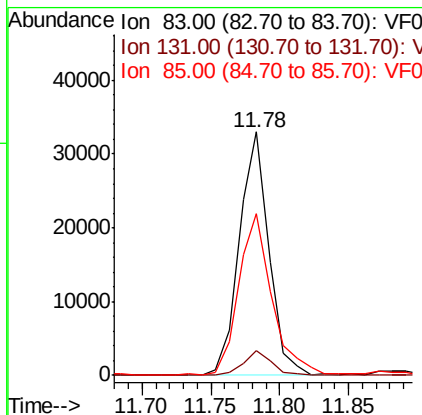
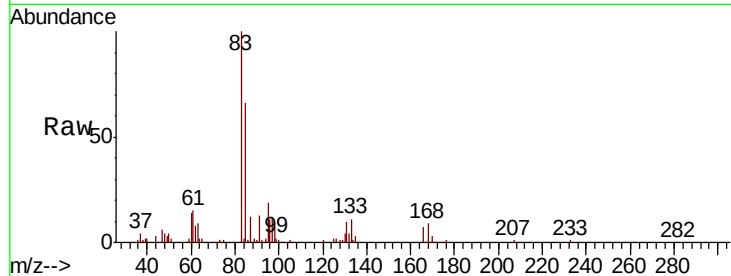
ClientSampleId :

VF0803SBS01

Tot Ion:	83	Resp:	49605
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.3
85	66.2	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.61 ug/l

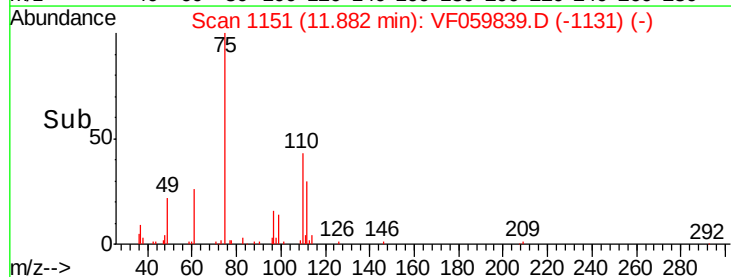
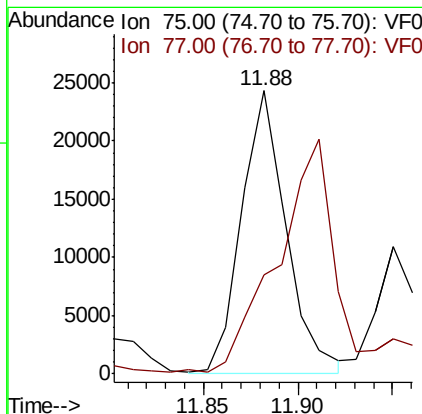
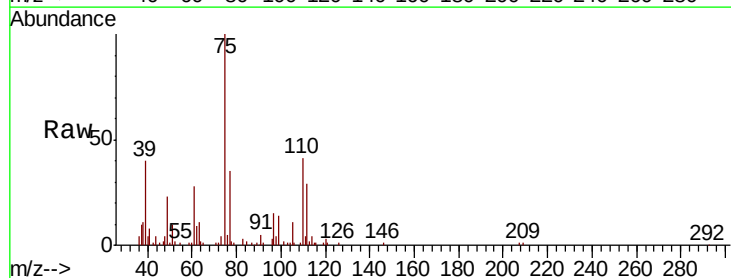
RT: 11.88 min Scan# 1151

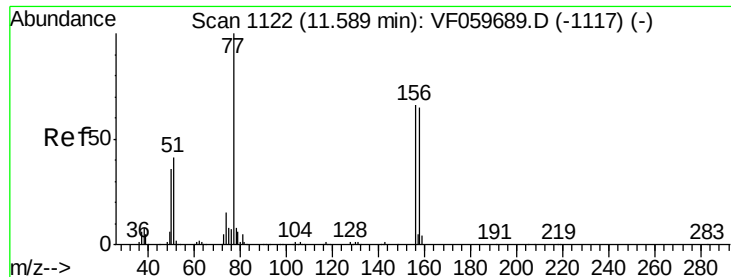
Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	75	Resp:	40097
Ion Ratio	Lower	Upper	
75	100		
77	34.9	18.0	54.0





#77

Bromobenzene

Concen: 20.91 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

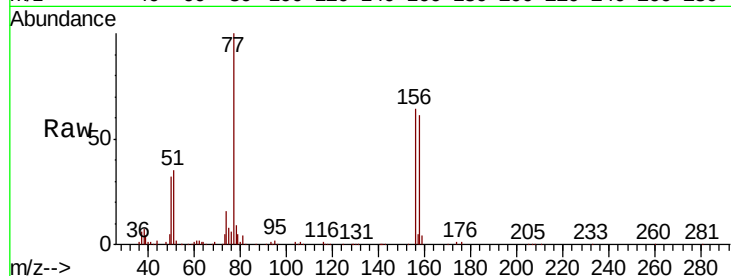
ClientSampleId :

VF0803SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	157.0	75.2	225.6		
158	96.5	49.1	147.3		

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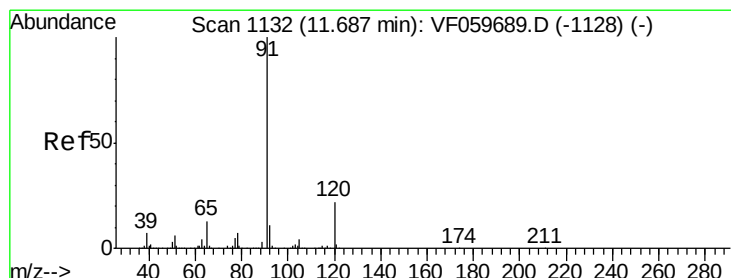
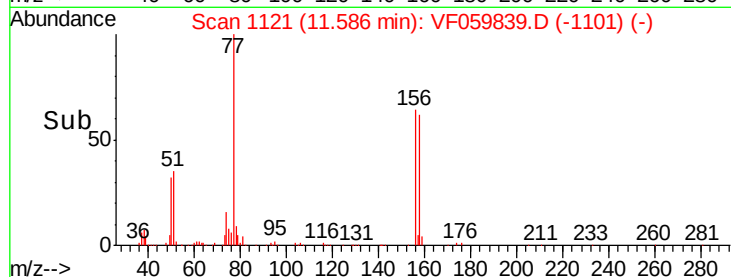
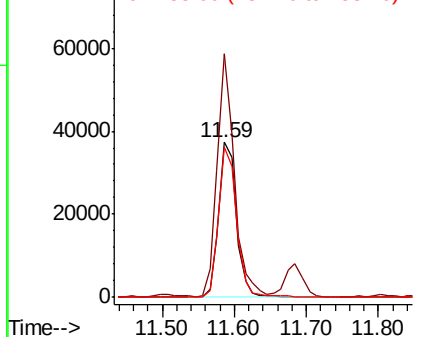


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.81 ug/l

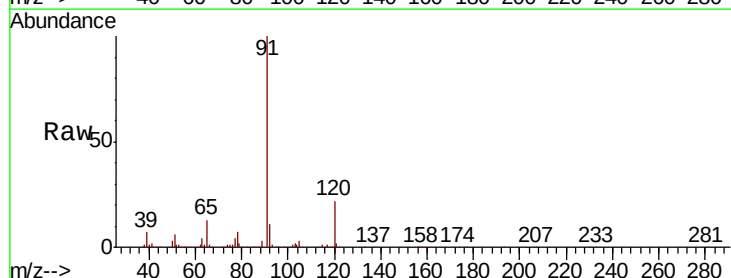
RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

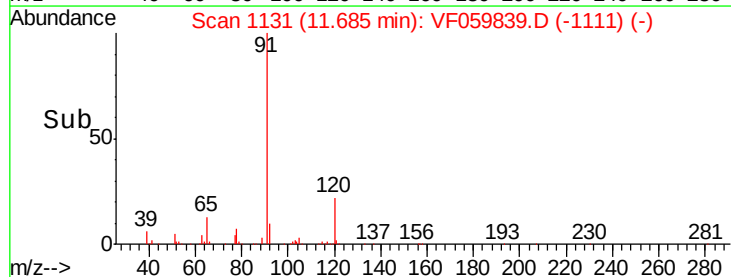
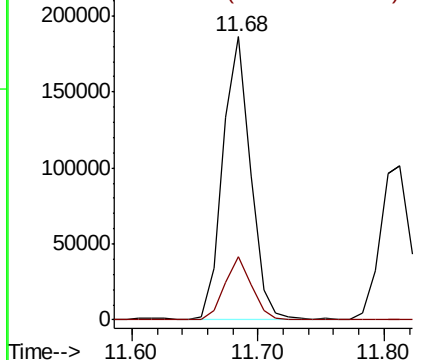
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.3	11.0	33.0		

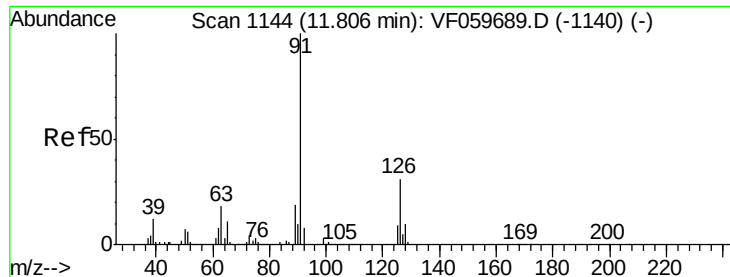


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





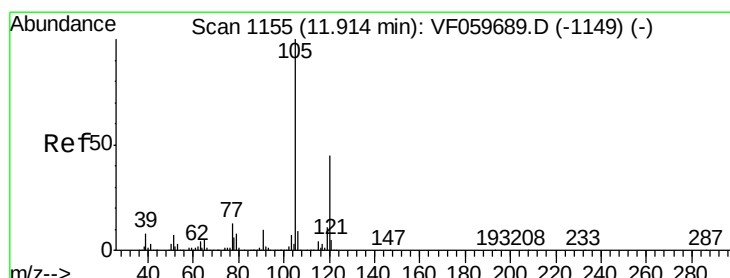
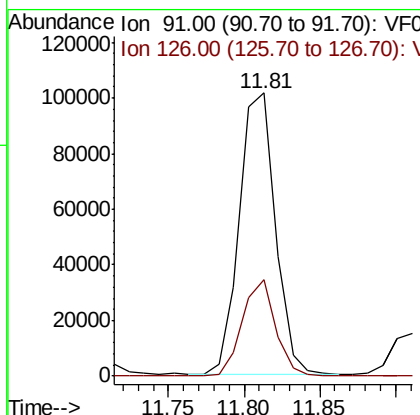
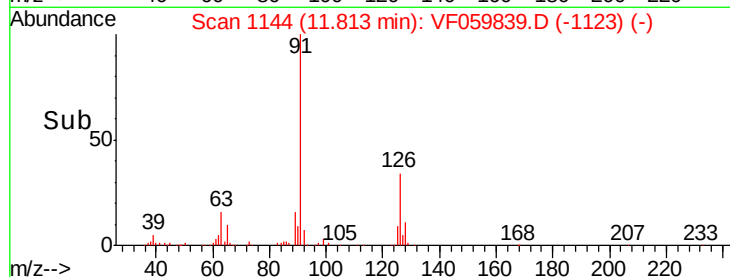
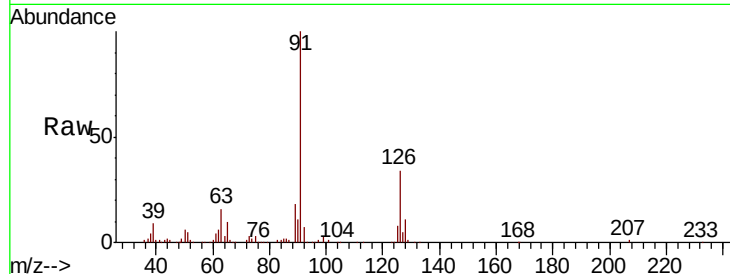
#79
 2-Chlorotoluene
 Concen: 19.69 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.1	15.4	46.2

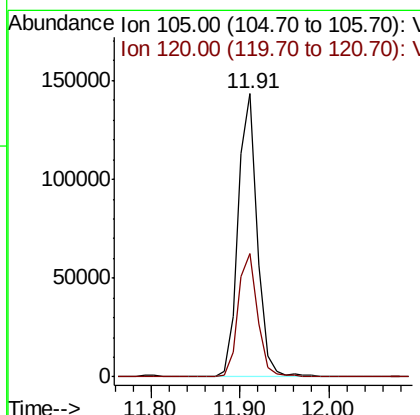
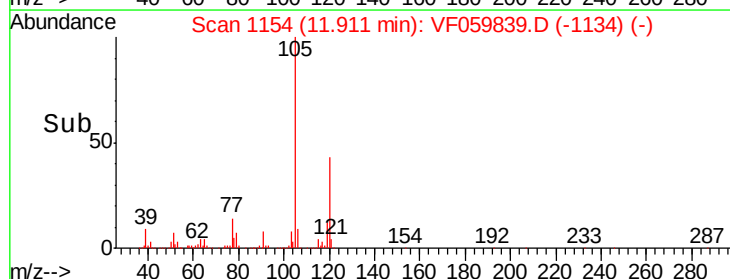
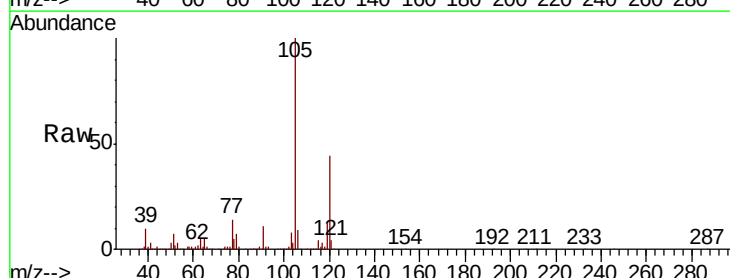
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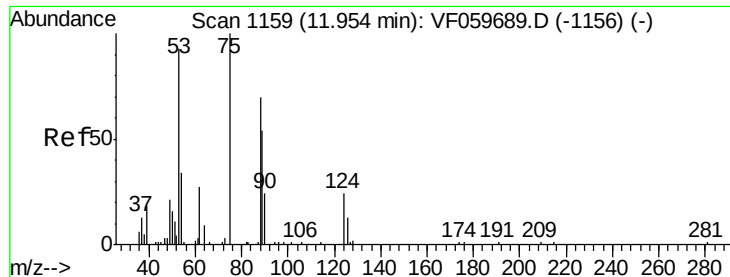
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.66 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.68 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

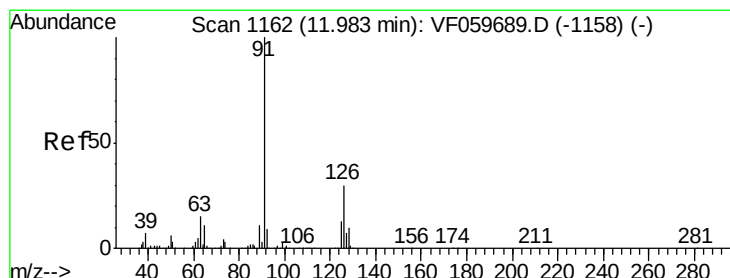
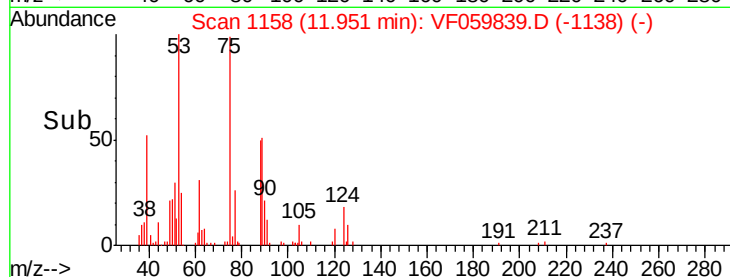
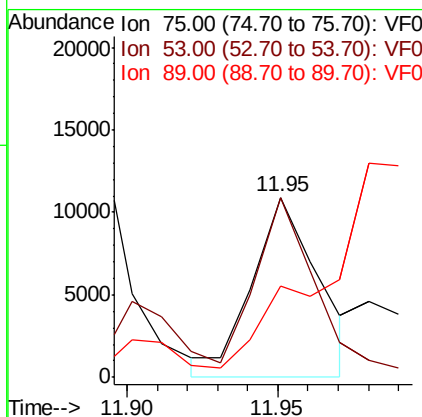
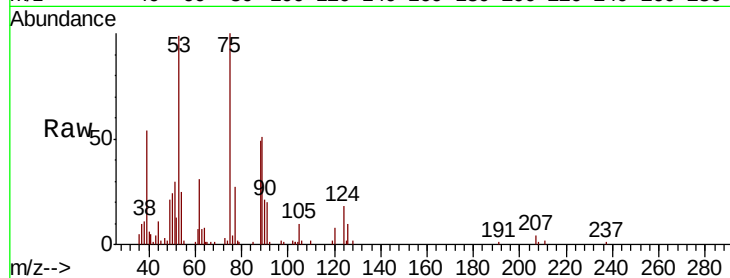
ClientSampleId :

VF0803SBS01

Tot Ion:	75	Resp:	16660
Ion	Ratio	Lower	Upper
75	100		
53	99.5	78.3	117.5
89	51.1	45.4	68.2

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#82

4-Chlorotoluene

Concen: 21.06 ug/l

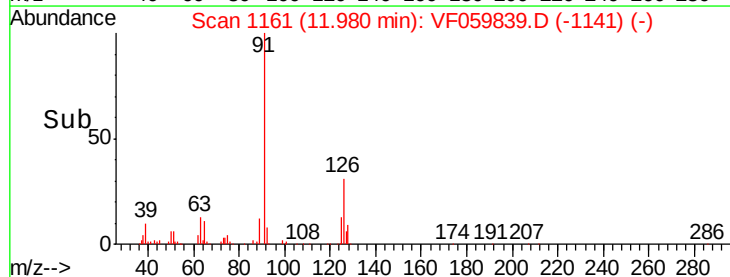
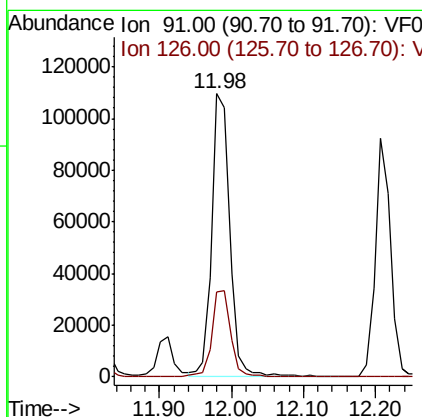
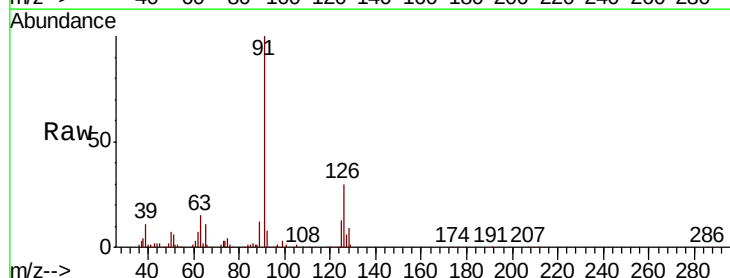
RT: 11.98 min Scan# 1161

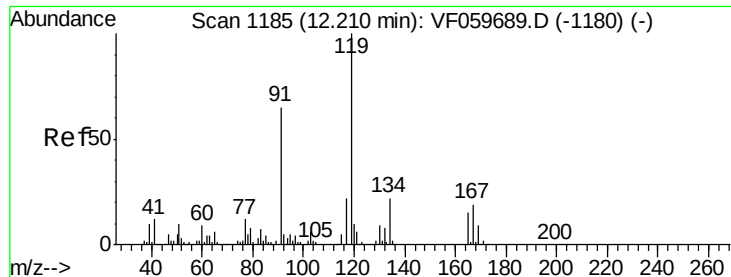
Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	91	Resp:	186795
Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.2	45.6





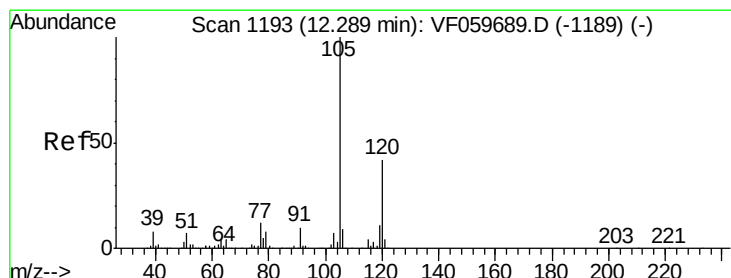
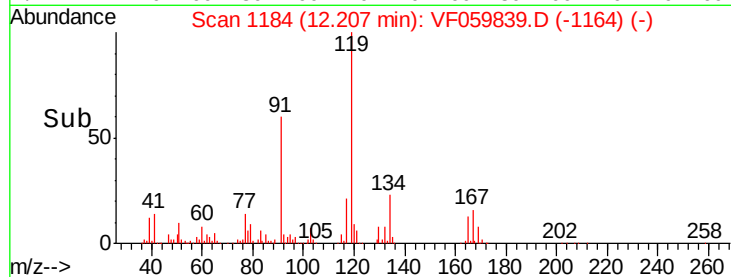
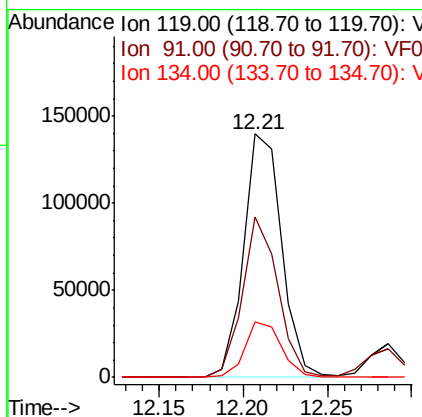
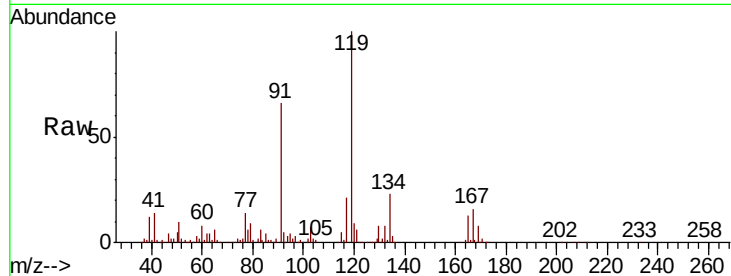
#83
 tert-Butylbenzene
 Concen: 21.10 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219595		
91	66.1	32.8	98.4	
134	22.9	10.9	32.7	

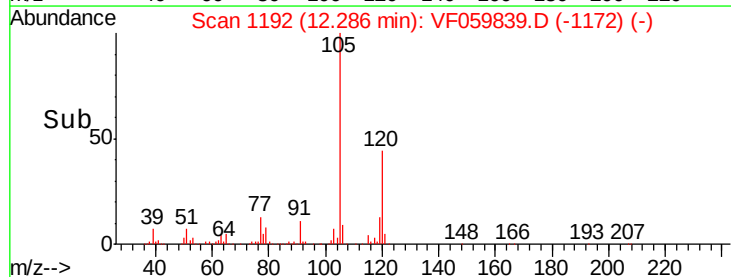
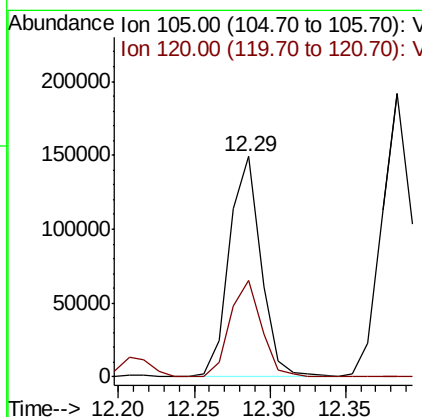
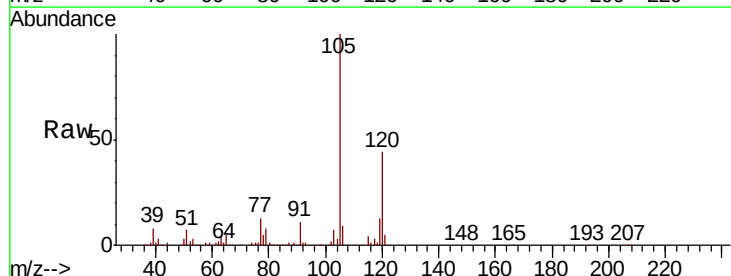
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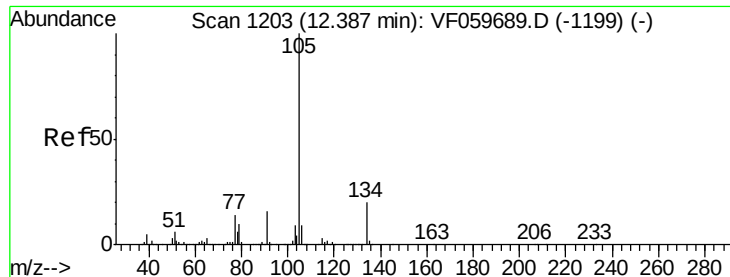
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.56 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216726		
120	43.9	21.1	63.3	





#85

sec-Butylbenzene

Concen: 19.61 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

ClientSampleId :

VF0803SBS01

Tot Ion:105 Resp: 271039

Ion Ratio Lower Upper

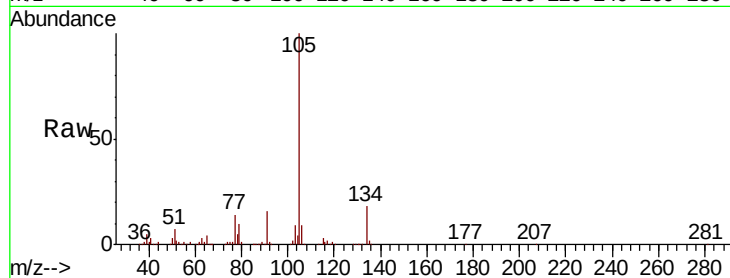
105 100

134 18.0 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

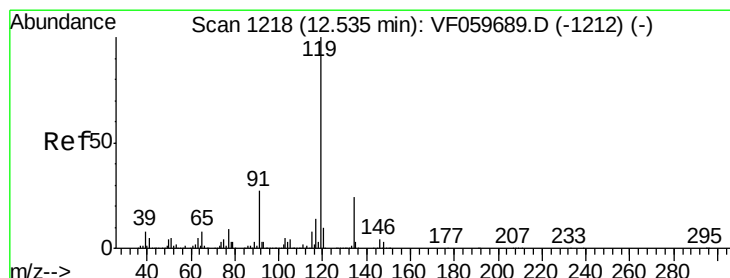
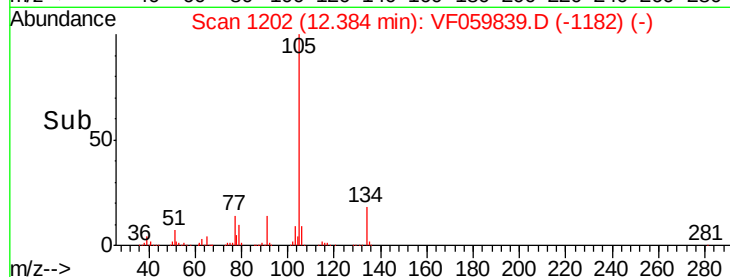
100000

50000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 20.05 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

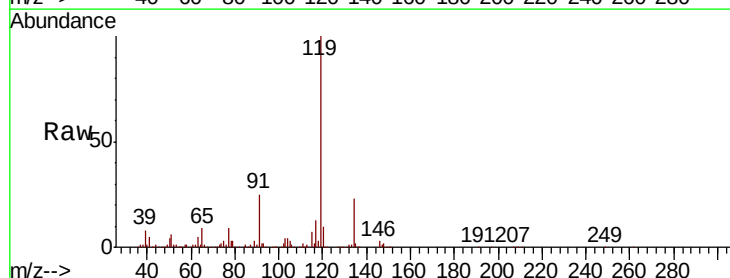
Tgt Ion:119 Resp: 241558

Ion Ratio Lower Upper

119 100

134 22.7 12.2 36.6

91 24.9 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

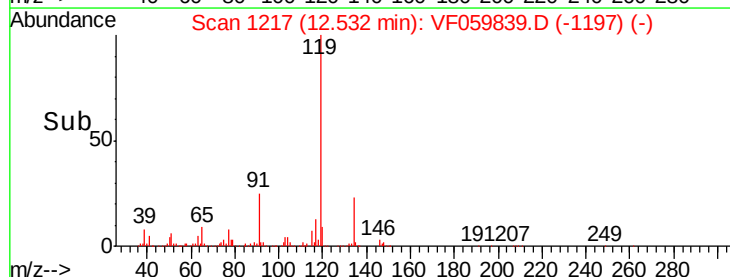
100000

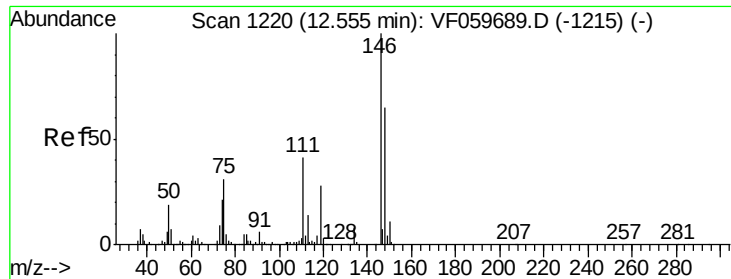
50000

0

12.50 12.60

Time-->





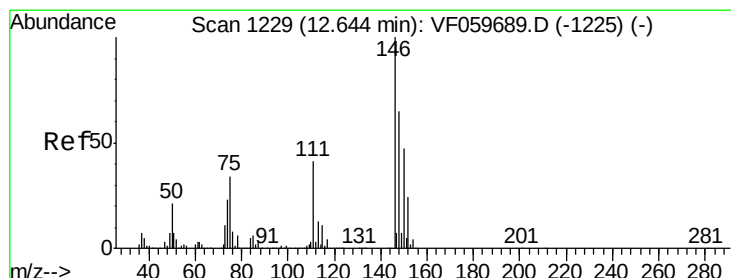
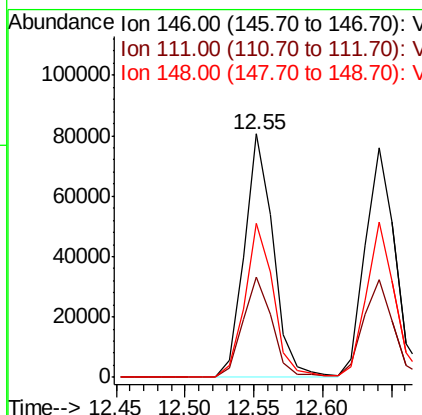
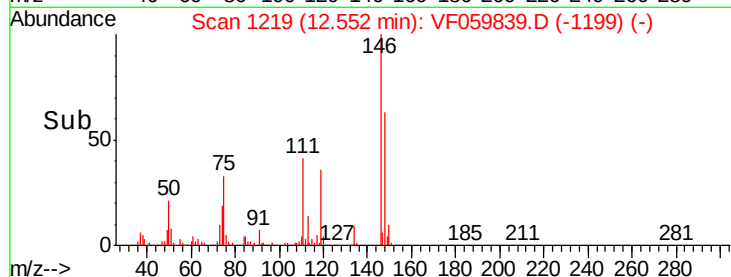
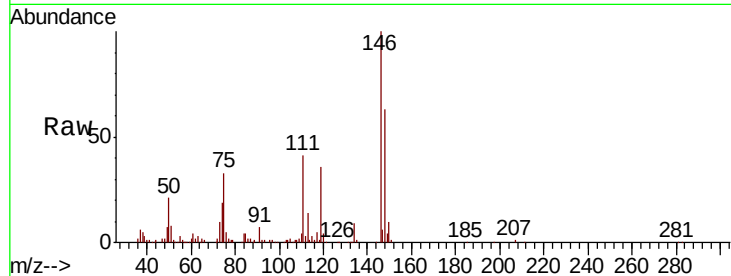
#87
 1,3-Dichlorobenzene
 Concen: 20.64 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.5	32.3	96.8

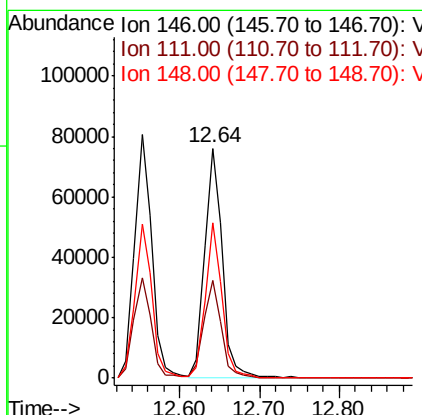
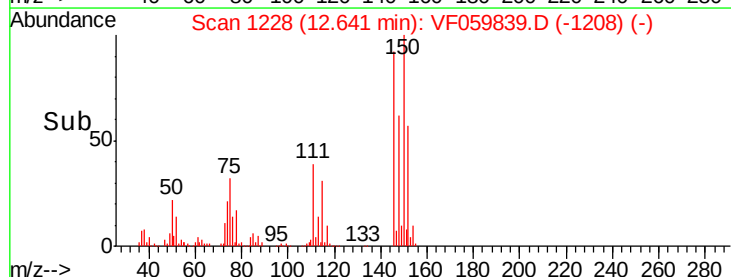
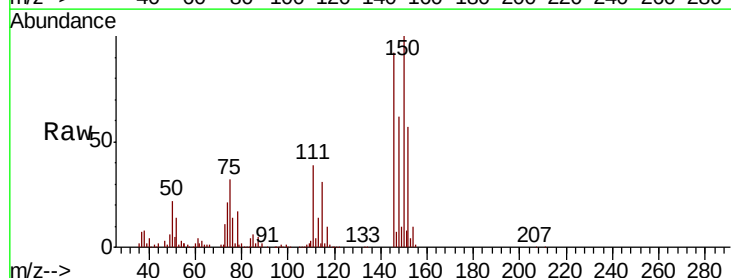
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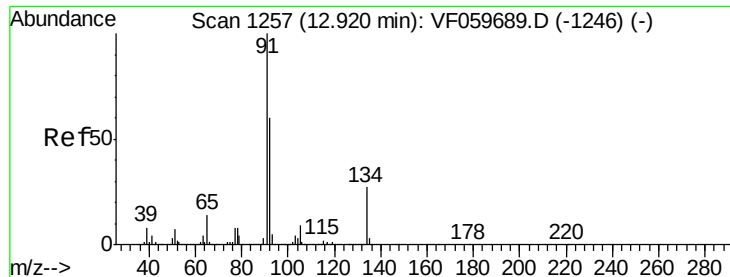
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#88
 1,4-Dichlorobenzene
 Concen: 21.18 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059839.D
 Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.2
148	67.4	32.3	96.9





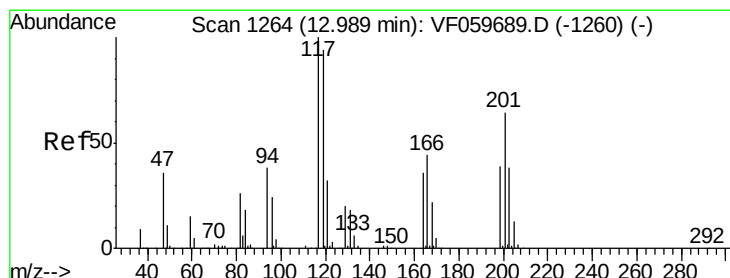
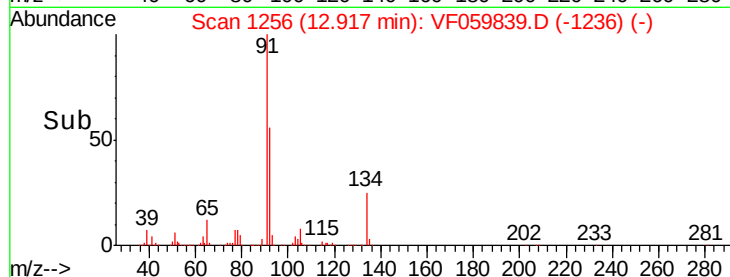
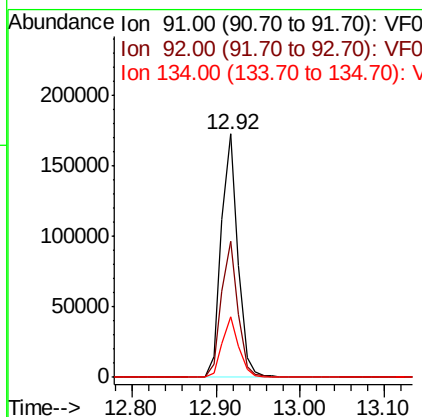
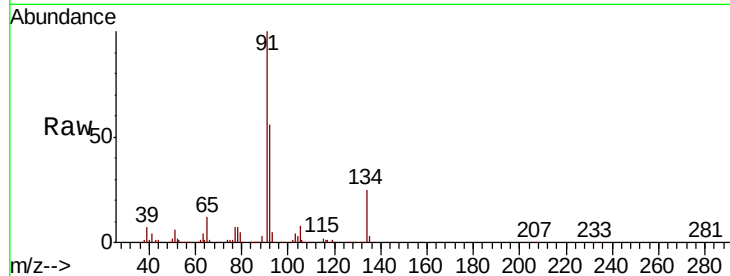
#89
n-Butylbenzene
Concen: 20.83 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	236966		
92	56.1		30.1	90.3
134	25.0		13.7	41.0

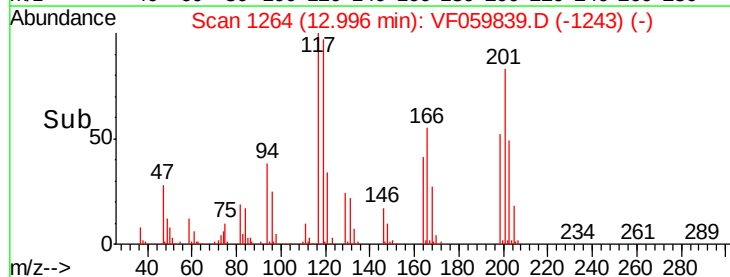
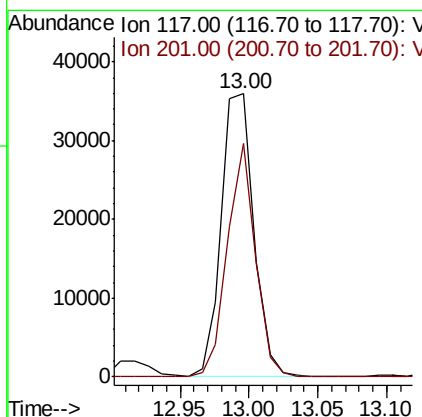
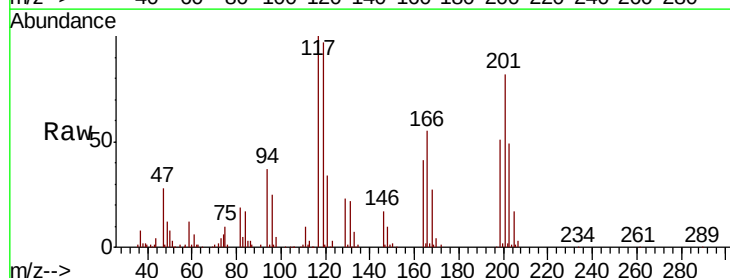
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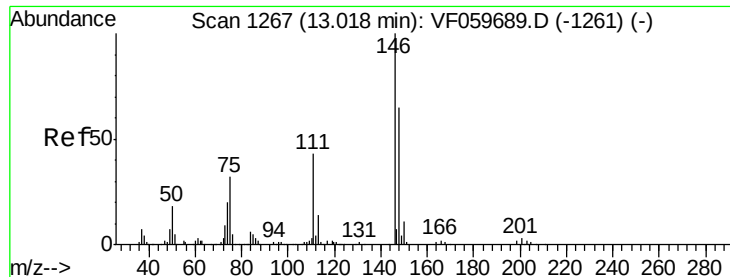
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#90
Hexachloroethane
Concen: 20.22 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59138		
201	84.0		31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 20.94 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Instrument :

MSVOA_F

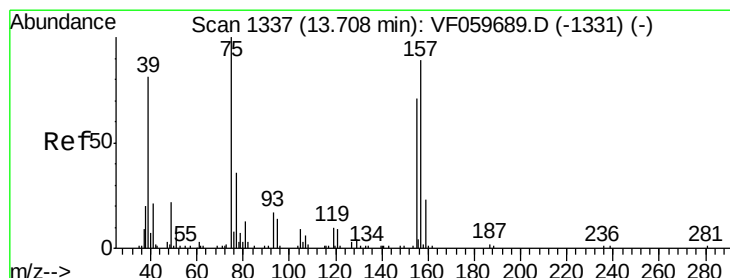
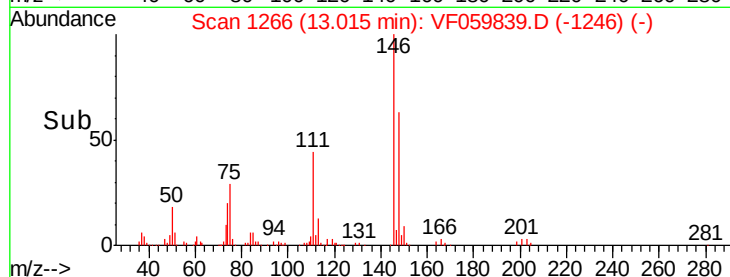
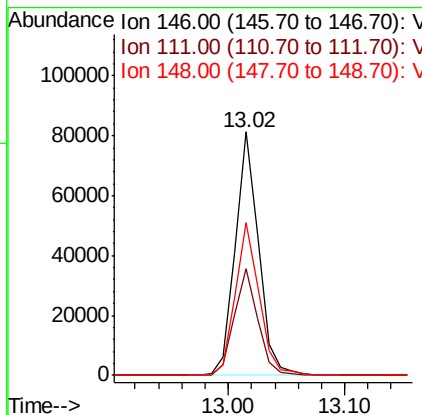
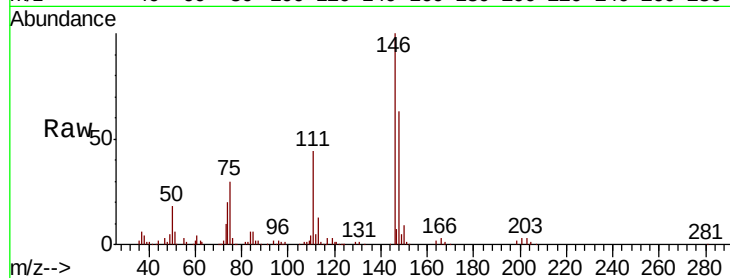
ClientSampleId :

VF0803SBS01

Tot Ion:	146	Resp:	113514
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.6	65.0
148	62.6	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.37 ug/l

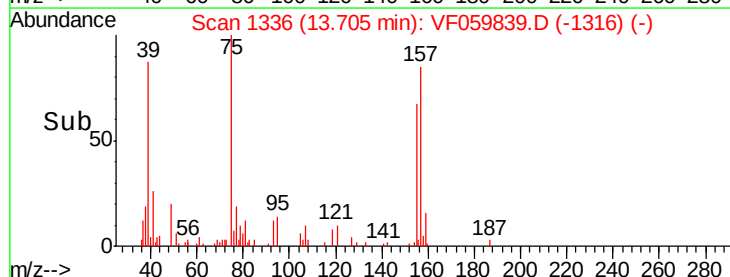
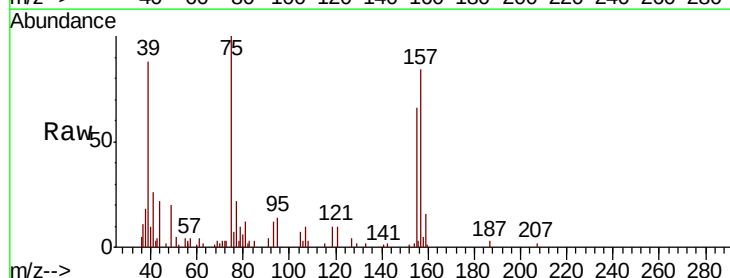
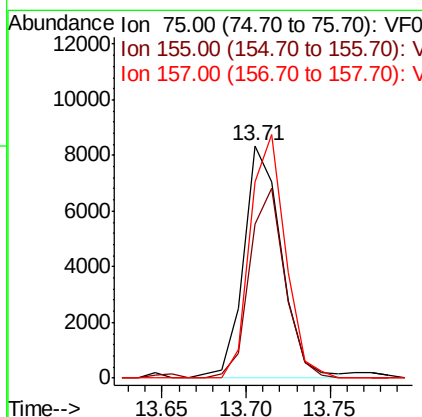
RT: 13.71 min Scan# 1336

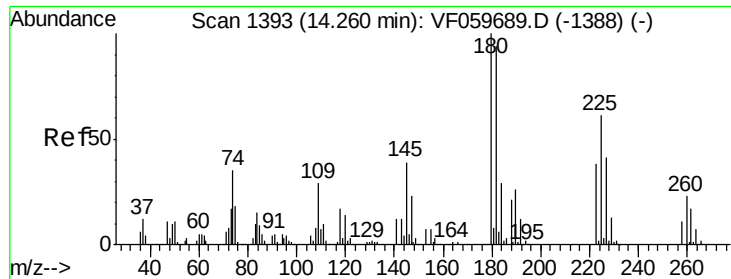
Delta R.T. -0.00 min

Lab File: VF059839.D

Acq: 3 Aug 2018 15:25

Tgt Ion:	75	Resp:	13003
Ion Ratio	Lower	Upper	
75	100		
155	69.2	35.4	106.2
157	84.2	44.4	133.2





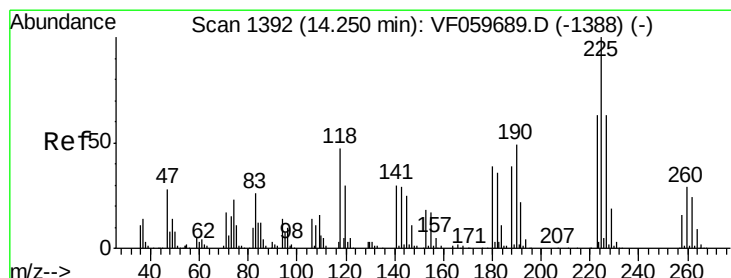
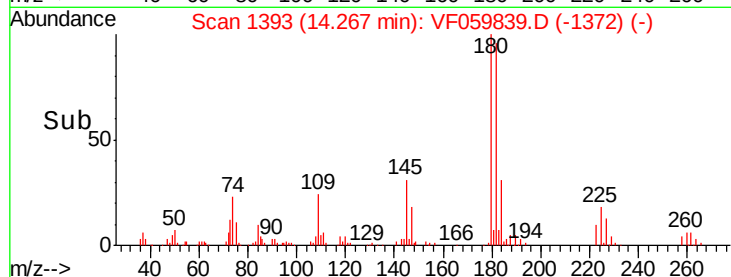
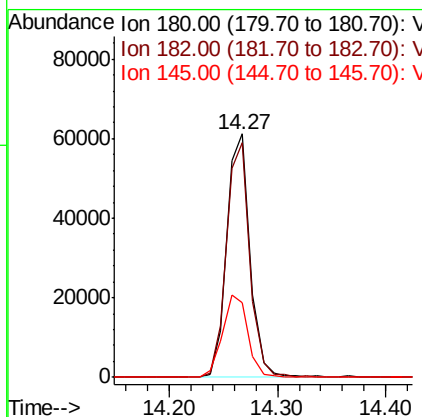
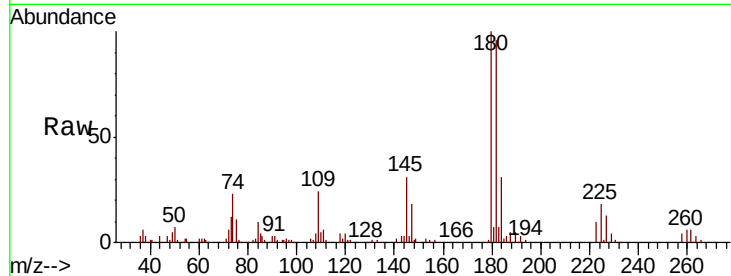
#93
1,2,4-Trichlorobenzene
Concen: 21.10 ug/l
RT: 14.27 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	91870		
182	96.2	47.2	141.6	
145	30.5	19.3	57.9	

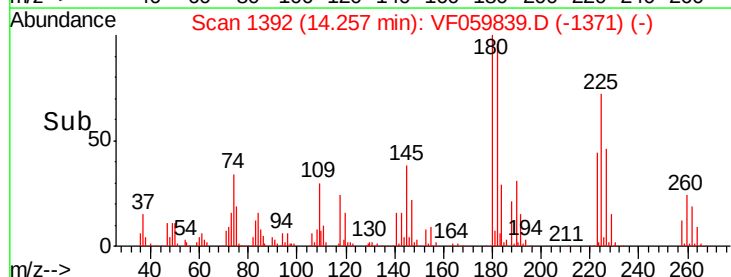
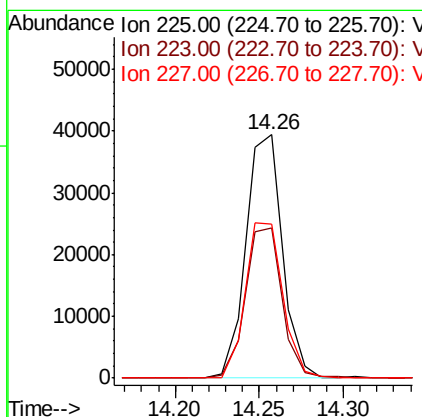
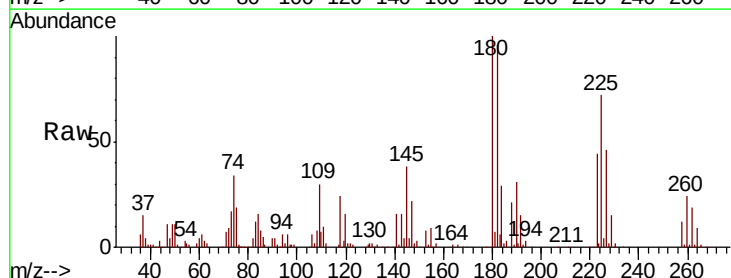
Manual Integrations
APPROVED

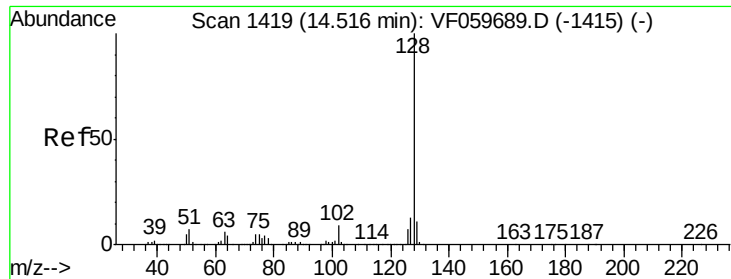
apatel
8/6/2018 10:07:43 AM



#94
Hexachlorobutadiene
Concen: 20.40 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59133		
223	61.6	31.4	94.2	
227	63.3	31.5	94.5	





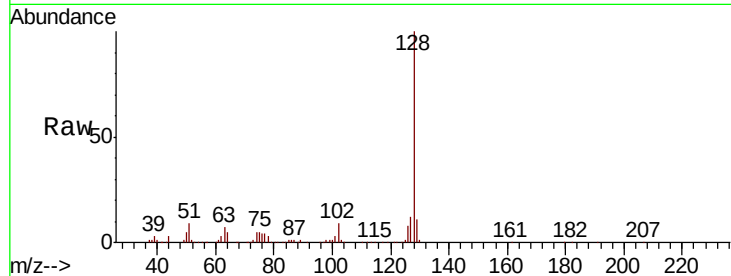
#95
Naphthalene
Concen: 21.23 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Instrument :
MSVOA_F
ClientSampleId :
VF0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161715		
127	12.2	10.0	15.0	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/6/2018 10:07:43 AM

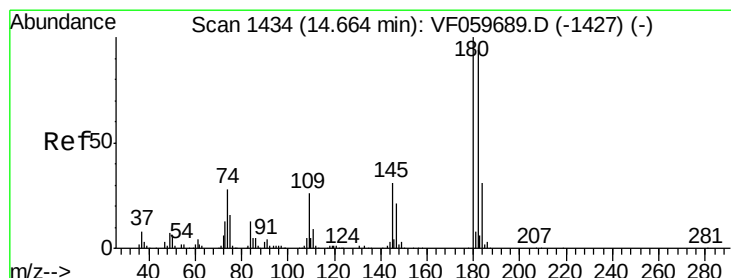
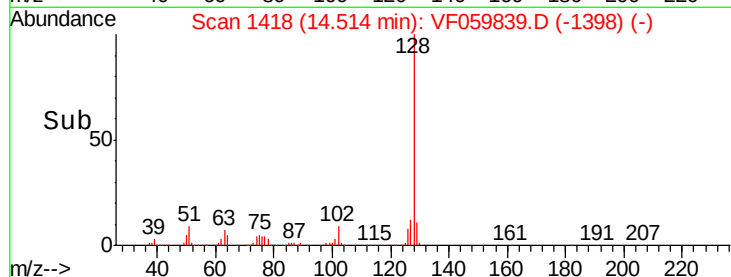
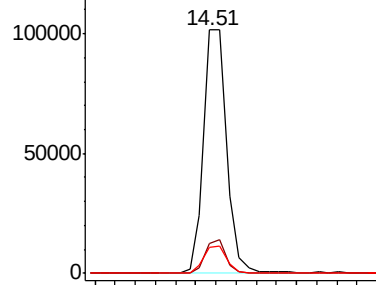


Abundance

Ion 128.00 (127.70 to 128.70): V

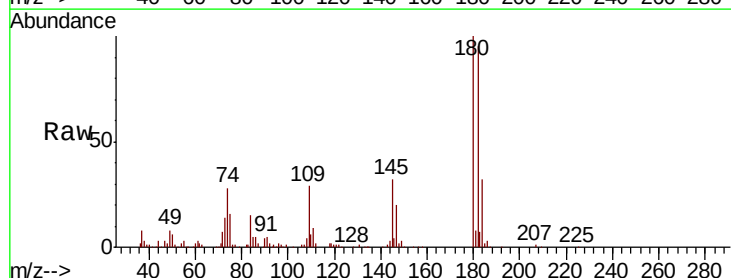
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.92 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059839.D
Acq: 3 Aug 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88102		
182	94.9	47.2	141.6	
145	32.1	15.6	46.7	



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

