

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059908.D
 Acq On : 7 Aug 2018 8:03
 Operator : VA/AP
 Sample : VF0807SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Manual Integrations
 APPROVED

apatel
 8/8/2018 11:38:20 AM

Quant Time: Aug 07 09:07:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	171678	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	240465	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	240904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	172523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	172799	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
35) Dibromofluoromethane	4.30	113	127976	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	7.72	98	270671	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	11.52	95	167678	58.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	66096	22.53	ug/l	91
3) Chloromethane	1.09	50	25255	18.61	ug/l	97
4) Vinyl Chloride	1.16	62	26243	18.88	ug/l	92
5) Bromomethane	1.34	94	26861	20.47	ug/l	95
6) Chloroethane	1.43	64	19523	22.36	ug/l #	78
7) Trichlorofluoromethane	1.53	101	89678m	23.57	ug/l	
8) Diethyl Ether	1.71	74	11290	18.70	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	40434	19.26	ug/l	91
10) Methyl Iodide	1.97	142	67189	20.83	ug/l	98
11) Tert butyl alcohol	2.69	59	13367	107.07	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	31858	20.77	ug/l	90
13) Acrolein	2.09	56	4391	58.69	ug/l	95
14) Allyl chloride	2.19	41	47350	18.52	ug/l	87
15) Acrylonitrile	3.08	53	22665	99.07	ug/l #	78
16) Acetone	2.34	43	63755	111.58	ug/l	98
17) Carbon Disulfide	1.89	76	81546	19.92	ug/l #	93
18) Methyl Acetate	2.46	43	20695	21.47	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	91191	21.00	ug/l	98
20) Methylene Chloride	2.28	84	44545m	28.79	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	32391	21.26	ug/l	100
22) Diisopropyl ether	2.93	45	98767	20.08	ug/l	99
23) Vinyl Acetate	3.34	43	249768	104.90	ug/l	97
24) 1,1-Dichloroethane	3.01	63	77678	21.69	ug/l	99
25) 2-Butanone	4.52	43	66436	106.93	ug/l	95
26) 2,2-Dichloropropane	3.77	77	41534	19.92	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	35741	20.87	ug/l	86
28) Bromochloromethane	3.89	49	25011	19.77	ug/l	91
29) Tetrahydrofuran	4.26	42	25384	110.98	ug/l	92
30) Chloroform	4.04	83	104587	21.58	ug/l	95
31) Cyclohexane	3.88	56	33946	19.15	ug/l	87
32) 1,1,1-Trichloroethane	4.29	97	81662	21.06	ug/l	96
36) 1,1-Dichloropropene	4.47	75	57559	20.69	ug/l	93
37) Ethyl Acetate	4.30	43	28286	23.69	ug/l #	97
38) Carbon Tetrachloride	4.18	117	91341m	22.94	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	44842	21.50	ug/l	92
40) Benzene	4.82	78	99869	19.03	ug/l	97
41) Methacrylonitrile	4.92	41	11396	18.08	ug/l #	81
42) 1,2-Dichloroethane	5.13	62	82473	21.41	ug/l	99
43) Isopropyl Acetate	7.12	43	26046	21.18	ug/l #	98
44) Trichloroethene	5.68	130	38774	20.93	ug/l	83
45) 1,2-Dichloropropane	6.42	63	25847	20.25	ug/l	99
46) Dibromomethane	6.26	93	27051	21.00	ug/l	90
47) Bromodichloromethane	6.56	83	78870	22.39	ug/l	98
48) Methyl methacrylate	6.88	41	20512	21.44	ug/l #	82
49) 1,4-Dioxane	6.87	88	2289	386.68	ug/l	99
51) 4-Methyl-2-Pentanone	8.41	43	142942	113.69	ug/l	95
52) Toluene	7.79	92	74828	21.30	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	59829	22.33	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	56902	20.58	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	26887	21.26	ug/l	93
56) Ethyl methacrylate	8.77	69	24488	19.83	ug/l	98
57) 1,3-Dichloropropane	9.01	76	46968	21.63	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	19093	114.12	ug/l	100
59) 2-Hexanone	9.64	43	100839	113.54	ug/l	98
60) Dibromochloromethane	8.87	129	52491	22.12	ug/l	91
61) 1,2-Dibromoethane	9.15	107	34858	22.62	ug/l	94
64) Tetrachloroethene	8.31	164	50165	24.14	ug/l	95
65) Chlorobenzene	9.95	112	102882	21.04	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	54192	22.28	ug/l	96
67) Ethyl Benzene	10.05	91	184206	21.62	ug/l	100
68) m/p-Xylenes	10.27	106	127291	43.23	ug/l	99
69) o-Xylene	10.84	106	67923	21.77	ug/l	94
70) Styrene	10.91	104	100479	21.58	ug/l	94
71) Bromoform	10.90	173	33261	22.31	ug/l	98
73) Isopropylbenzene	11.24	105	226240	21.05	ug/l	99
74) N-amyl acetate	11.47	43	49392	20.43	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	40158	19.90	ug/l	89
76) 1,2,3-Trichloropropane	11.89	75	39185	22.61	ug/l	96
77) Bromobenzene	11.60	156	59492	20.36	ug/l	91
78) n-propylbenzene	11.69	91	268348	21.15	ug/l	99
79) 2-Chlorotoluene	11.82	91	168131	20.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	210694	21.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	12045m	19.35	ug/l	
82) 4-Chlorotoluene	12.00	91	180977	20.76	ug/l	98
83) tert-Butylbenzene	12.23	119	199269	20.52	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	218447	21.29	ug/l	98
85) sec-Butylbenzene	12.39	105	274461	21.27	ug/l	98
86) p-Isopropyltoluene	12.54	119	237316	21.88	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	118853	21.47	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	114062	20.98	ug/l	94
89) n-Butylbenzene	12.93	91	228464	22.10	ug/l	99
90) Hexachloroethane	13.00	117	63619	21.25	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	112351	21.09	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.72	75	11142	21.91	ug/l	95

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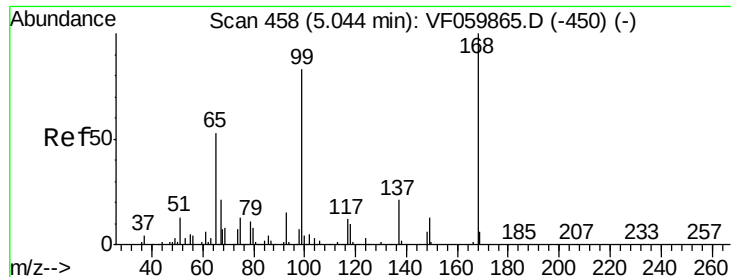
Manual Integrations
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QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	87503	21.63	ug/l	99
94) Hexachlorobutadiene	14.27	225	60137	21.04	ug/l	94
95) Naphthalene	14.53	128	142268	20.31	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	85657	21.44	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion:168 Resp: 171678

Ion Ratio Lower Upper

168 100

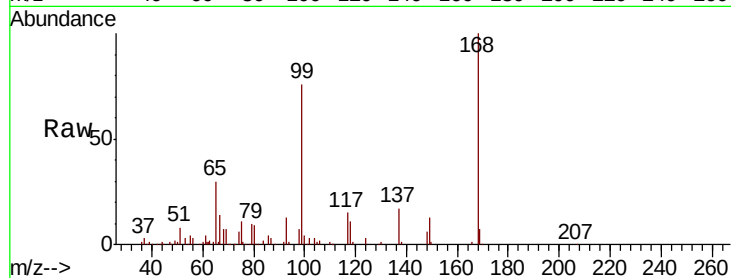
99 76.1 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

60000

50000

40000

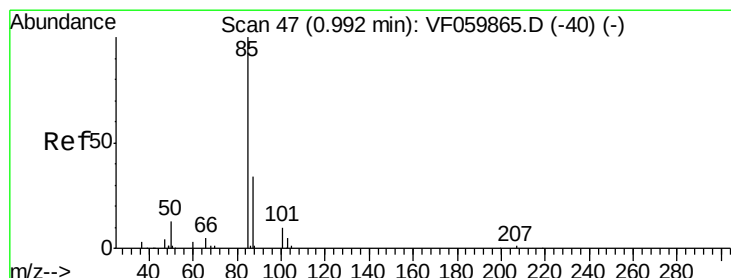
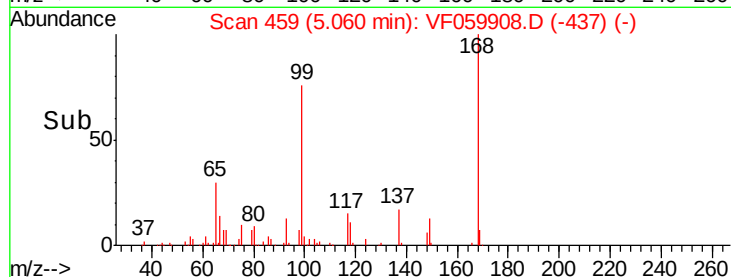
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.53 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059908.D

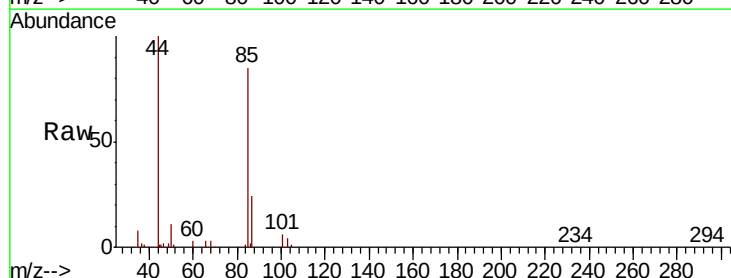
Acq: 7 Aug 2018 8:03

Tgt Ion: 85 Resp: 66096

Ion Ratio Lower Upper

85 100

87 28.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

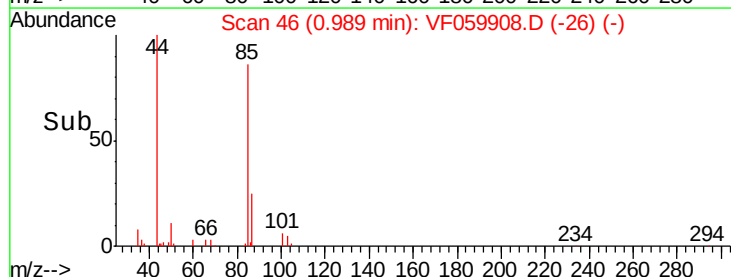
15000

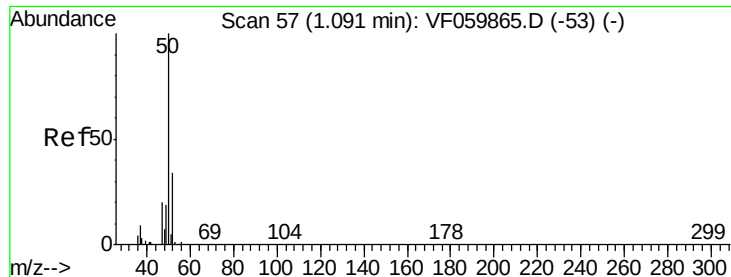
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.61 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion: 50 Resp: 25255

Ion Ratio Lower Upper

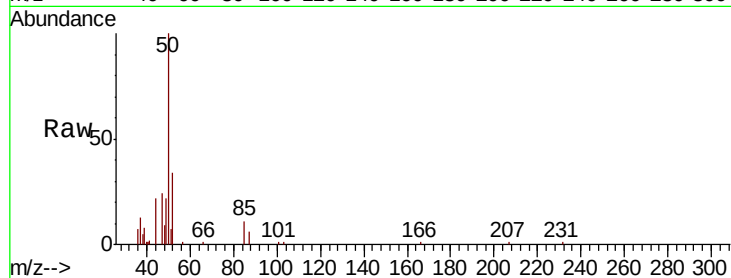
50 100

52 33.9 25.8 38.8

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

15000

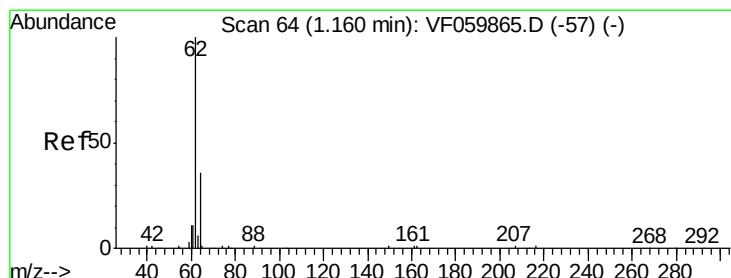
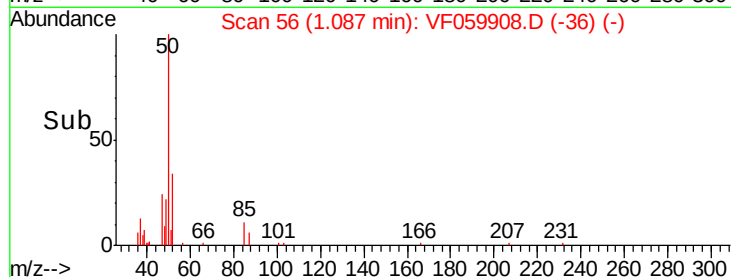
10000

5000

0

Time-->

1.00 1.05 1.10 1.15 1.20



#4

Vinyl Chloride

Concen: 18.88 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059908.D

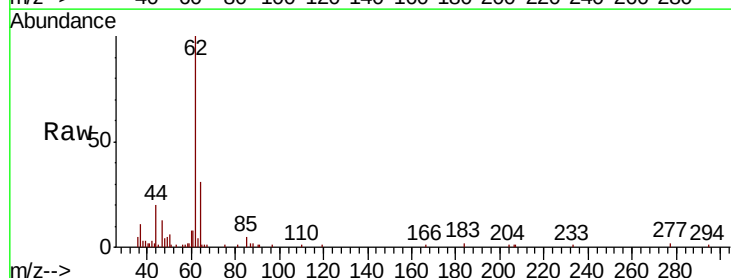
Acq: 7 Aug 2018 8:03

Tgt Ion: 62 Resp: 26243

Ion Ratio Lower Upper

62 100

64 30.9 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.16

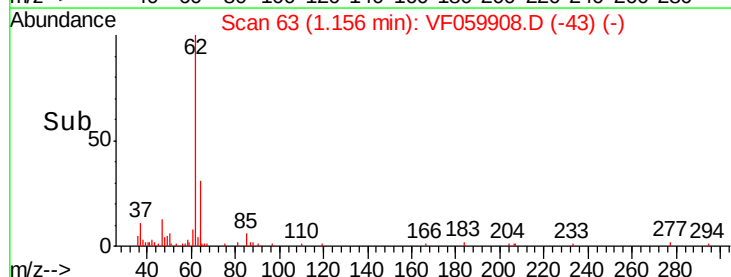
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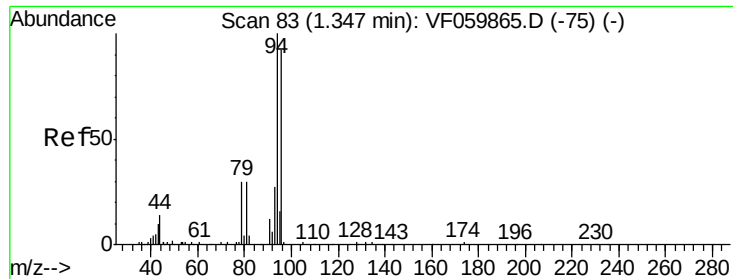
5000

0

Time-->

1.10 1.20 1.30





#5

Bromomethane

Concen: 20.47 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion: 94 Resp: 26861

Ion Ratio Lower Upper

94 100

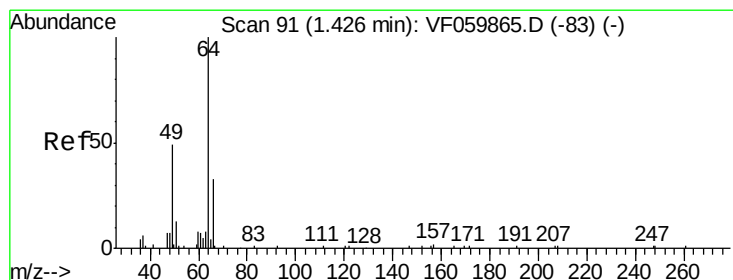
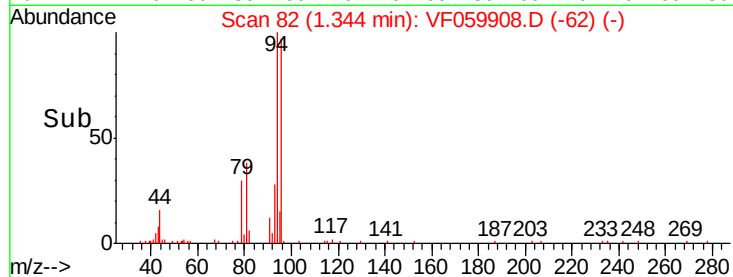
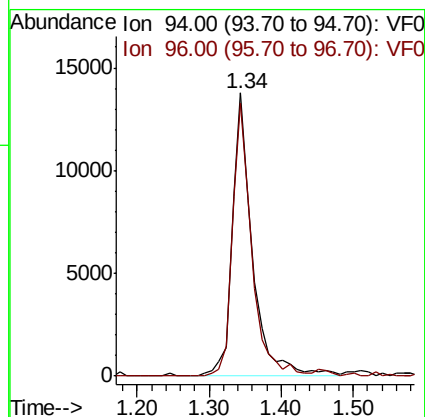
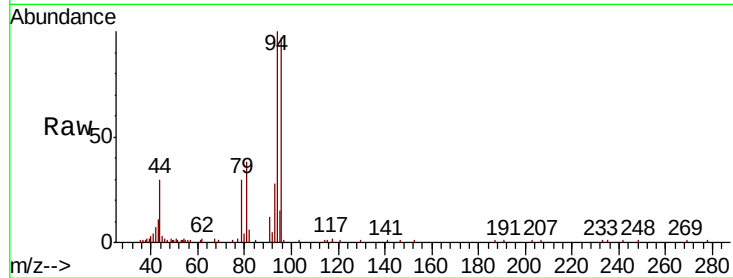
96 96.6 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 22.36 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059908.D

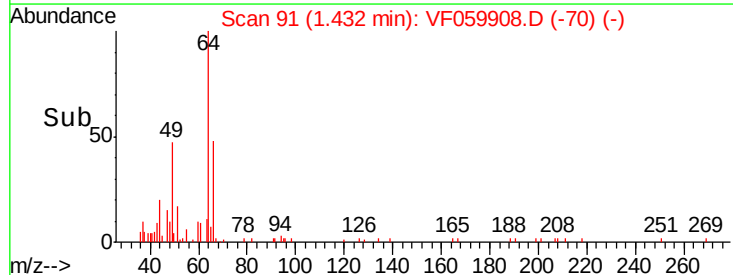
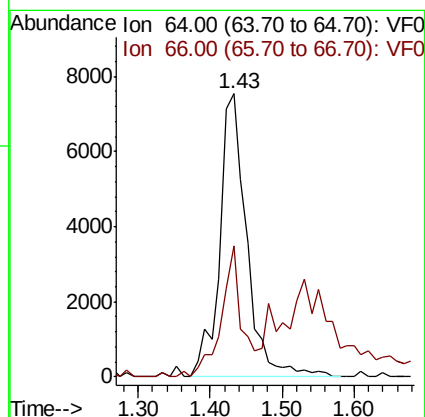
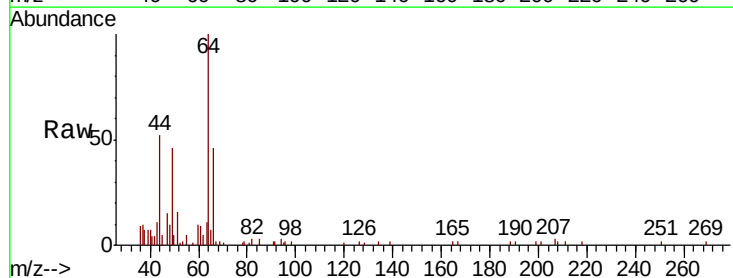
Acq: 7 Aug 2018 8:03

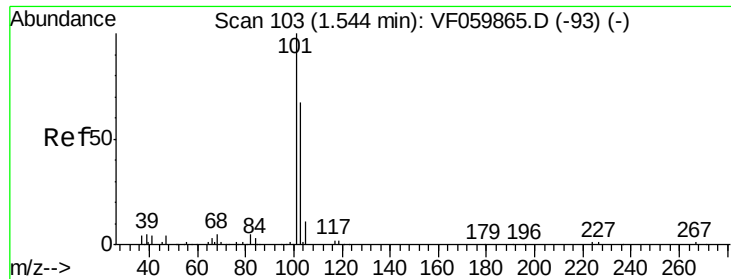
Tgt Ion: 64 Resp: 19523

Ion Ratio Lower Upper

64 100

66 46.1 26.9 40.3#





#7

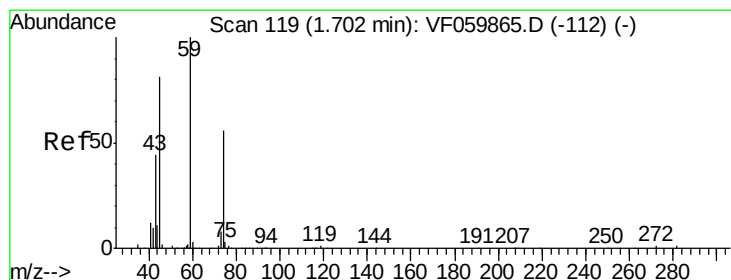
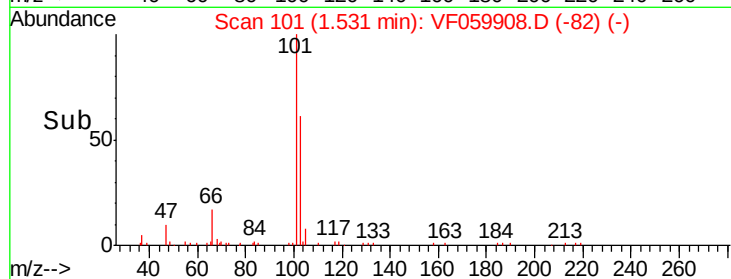
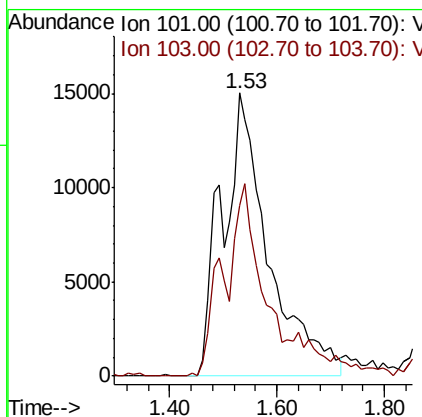
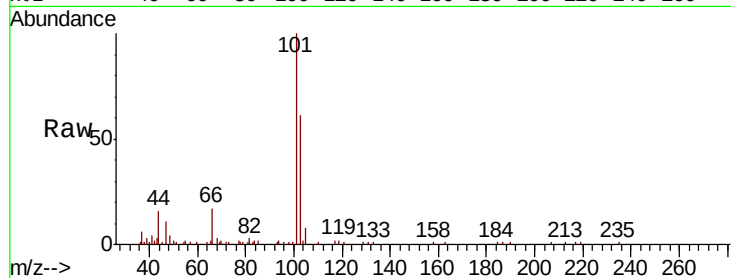
Trichlorofluoromethane
 Concen: 23.57 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

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 VF0807SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	89678		
103	60.5	53.6	80.4	

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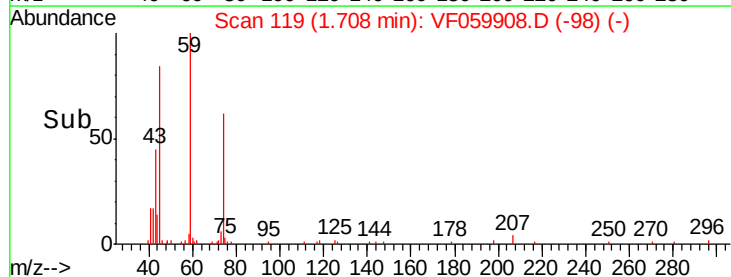
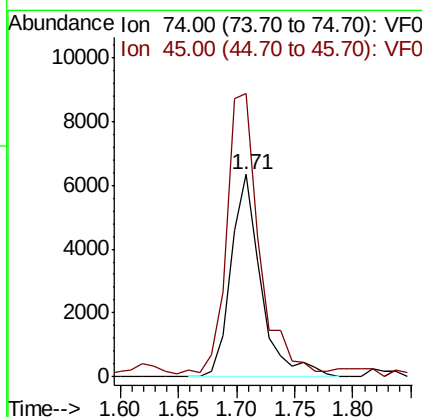
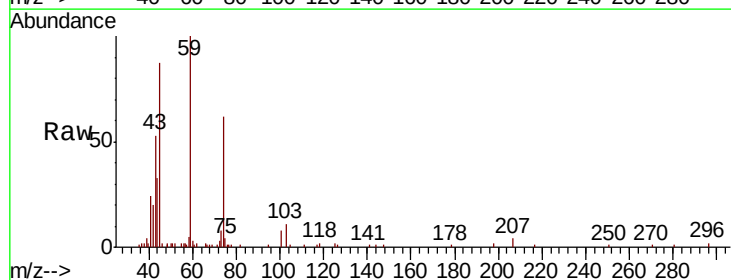
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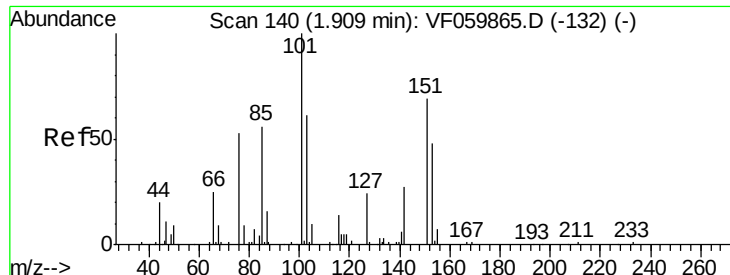


#8

Diethyl Ether
 Concen: 18.70 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	11290		
45	139.7	73.6	220.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.26 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

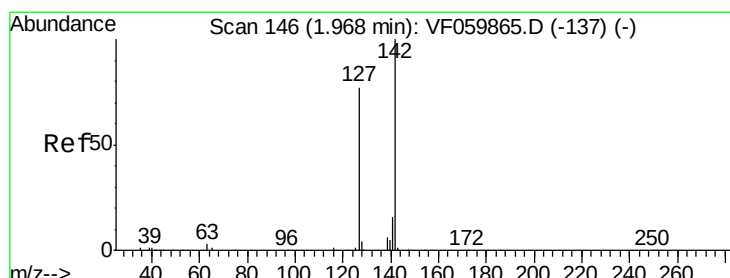
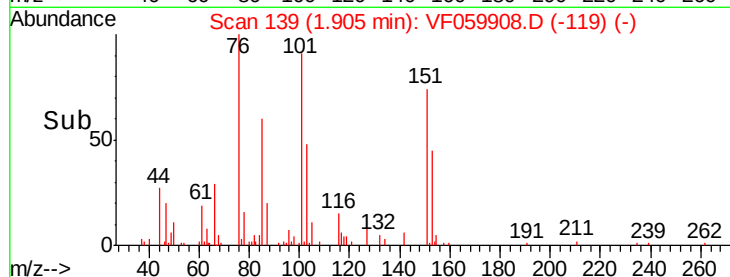
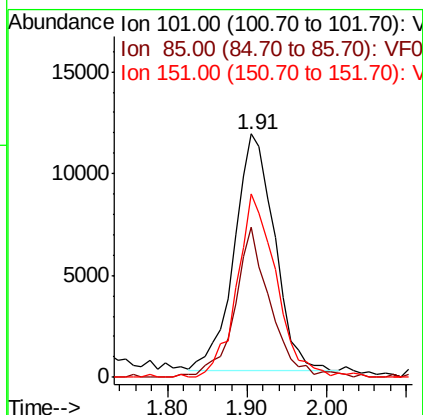
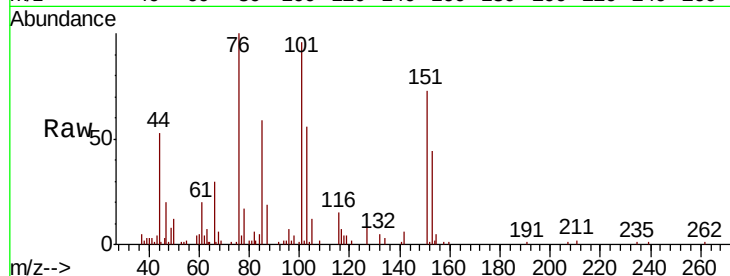
ClientSampleId :

VF0807SBS01

Tot Ion:	101	Resp:	40434
Ion Ratio	Lower	Upper	
101	100		
85	61.6	44.5	66.7
151	75.5	53.8	80.8

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#10

Methyl Iodide

Concen: 20.83 ug/l

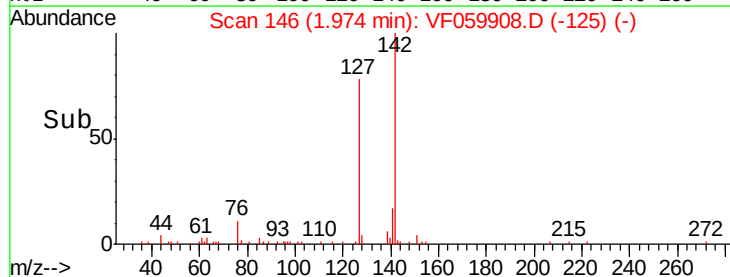
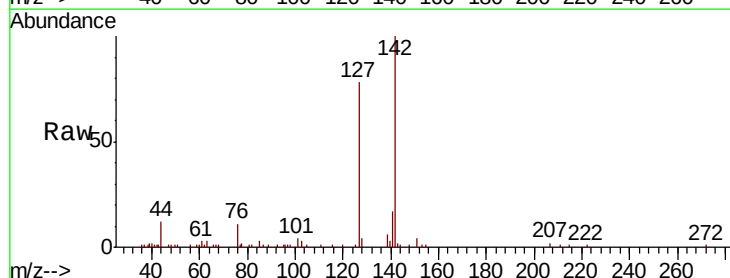
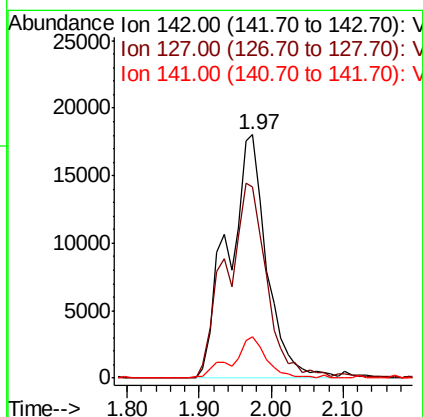
RT: 1.97 min Scan# 146

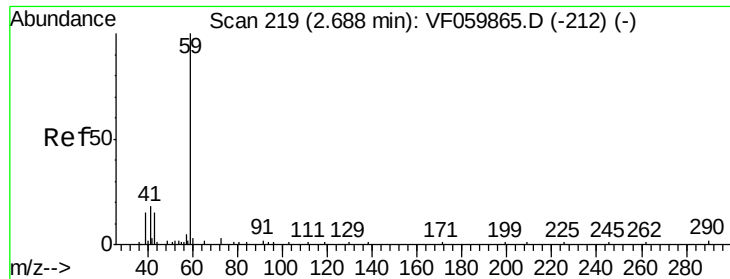
Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion:	142	Resp:	67189
Ion Ratio	Lower	Upper	
142	100		
127	78.5	61.5	92.3
141	17.0	13.0	19.4





#11

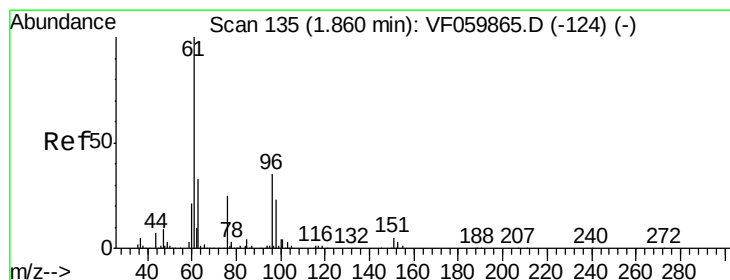
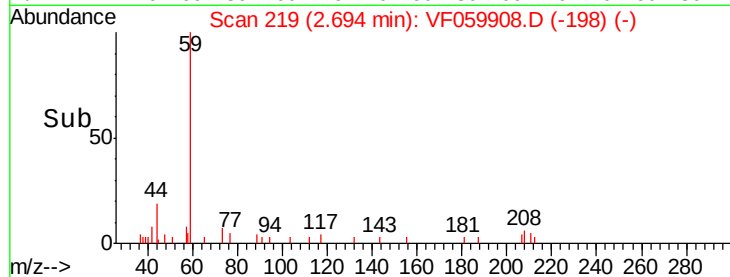
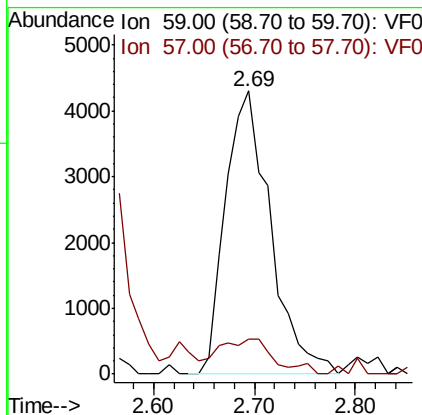
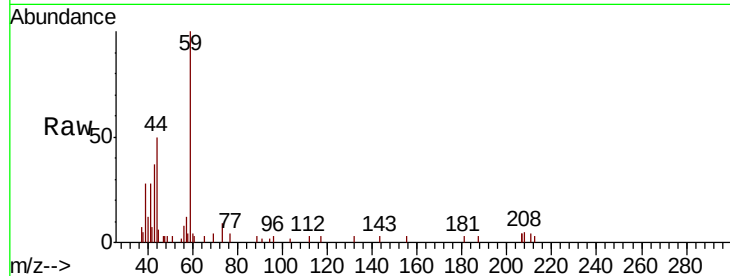
Tert butyl alcohol
Concen: 107.07 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	7.6	11.4#

Manual Integrations
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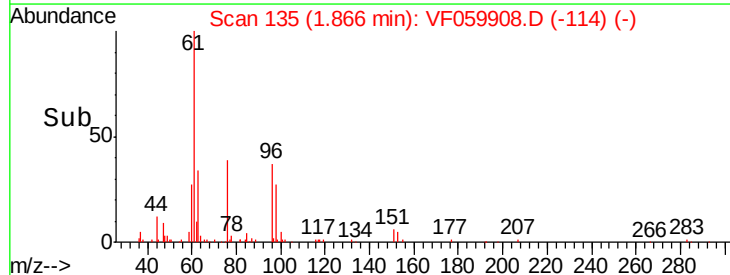
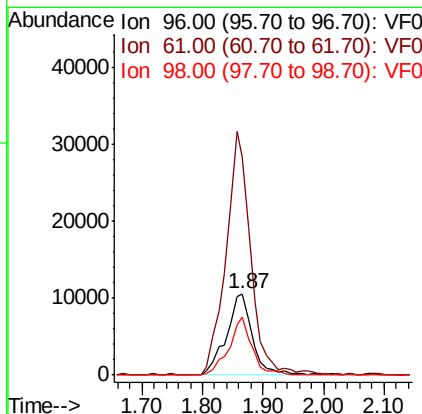
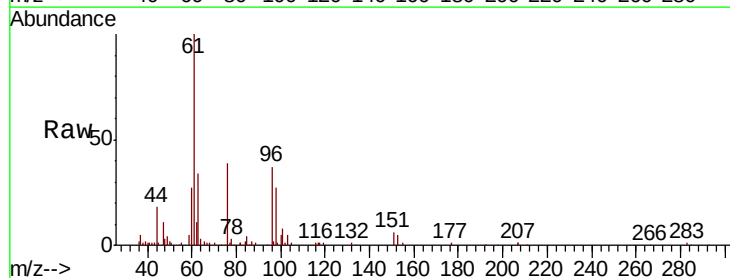
apatel
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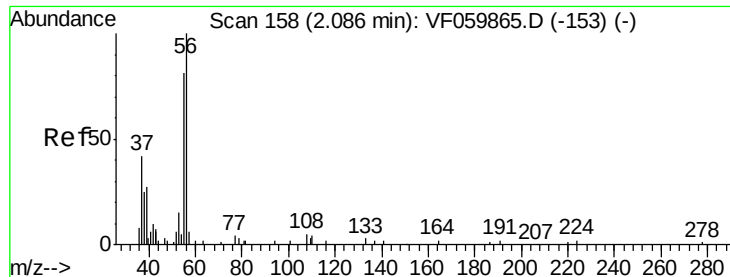


#12

1,1-Dichloroethene
Concen: 20.77 ug/l
RT: 1.87 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	267.5	230.2	345.2
98	73.3	52.7	79.1





#13

Acrolein

Concen: 58.69 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion: 56 Resp: 4391

Ion Ratio Lower Upper

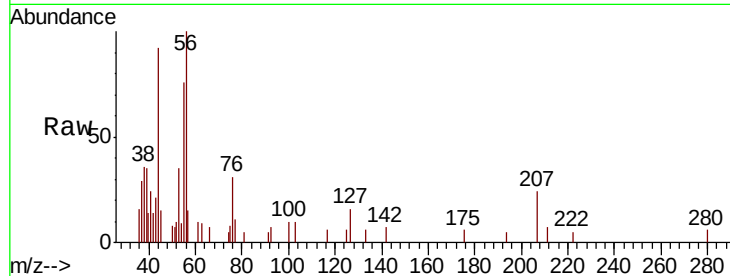
56 100

55 76.4 64.6 96.8

Manual Integrations
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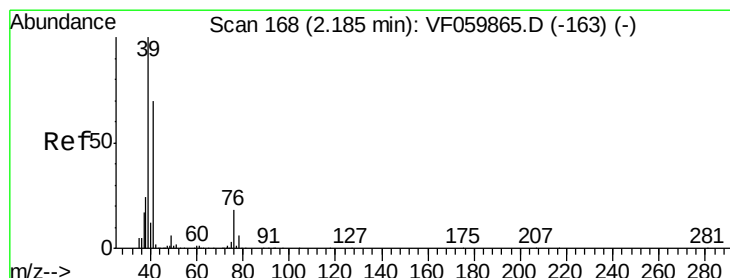
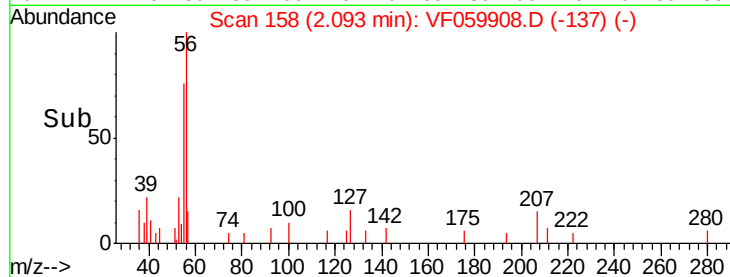
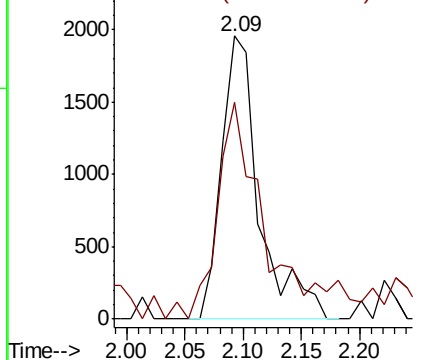
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 18.52 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

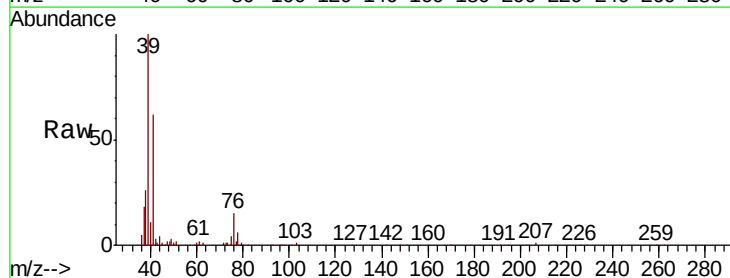
Tgt Ion: 41 Resp: 47350

Ion Ratio Lower Upper

41 100

39 160.9 114.6 171.8

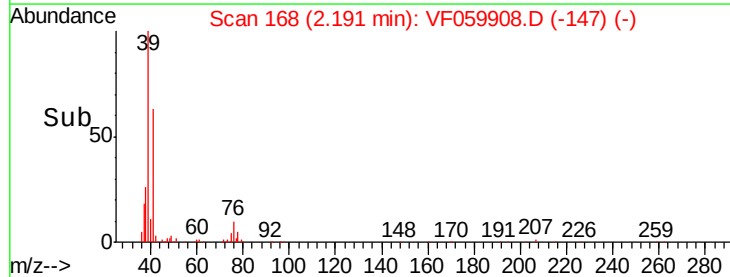
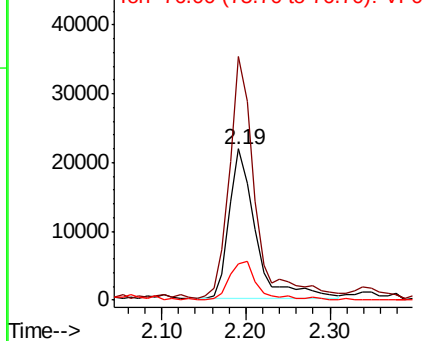
76 24.3 21.0 31.4

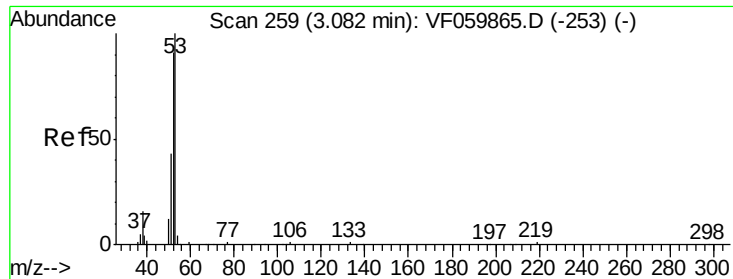


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 99.07 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

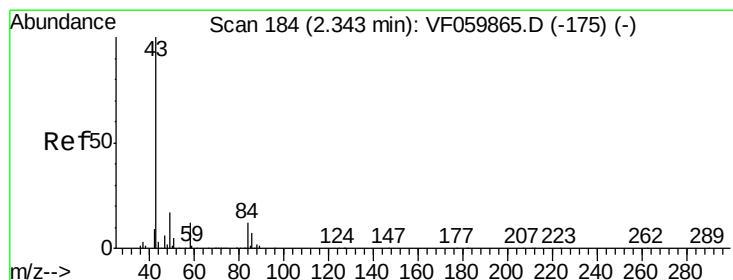
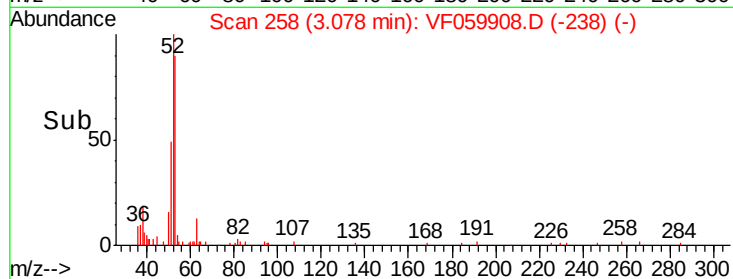
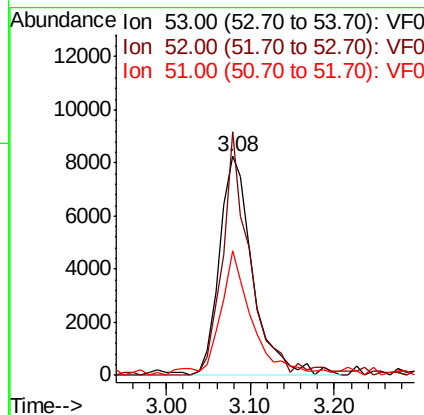
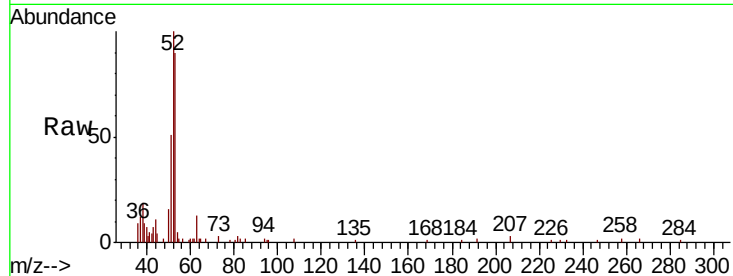
ClientSampleId :

VF0807SBS01

Tot Ion:	53	Resp:	22665
Ion Ratio	Lower	Upper	
53	100		
52	111.3	72.9	109.3#
51	57.2	34.5	51.7#

Manual Integrations
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#16

Acetone

Concen: 111.58 ug/l

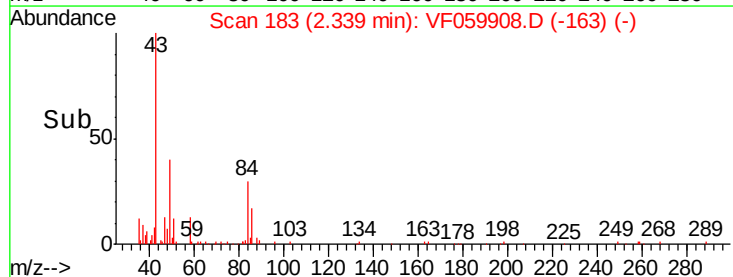
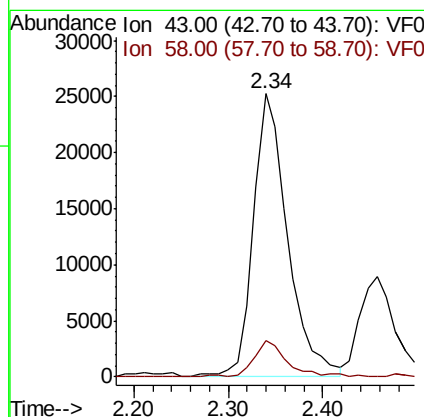
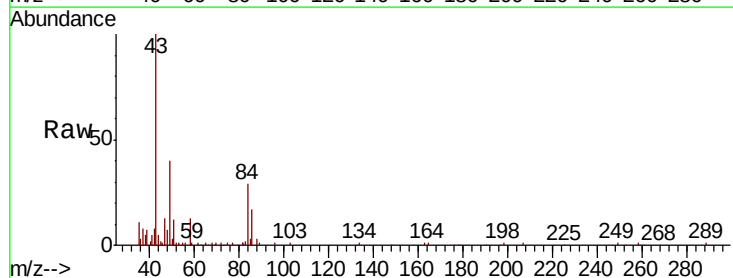
RT: 2.34 min Scan# 183

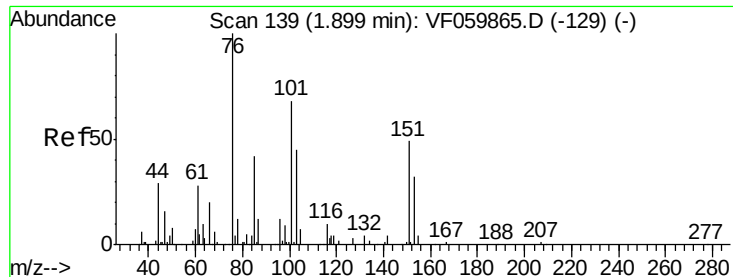
Delta R.T. -0.00 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion:	43	Resp:	63755
Ion Ratio	Lower	Upper	
43	100		
58	12.7	9.4	14.0





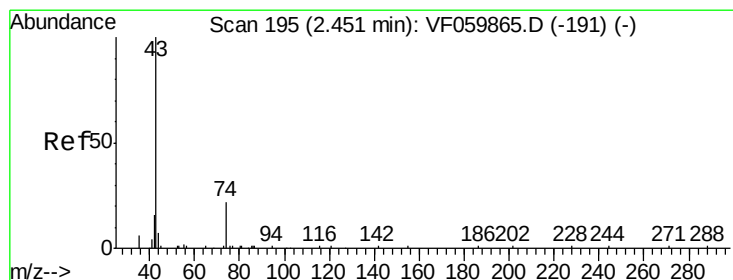
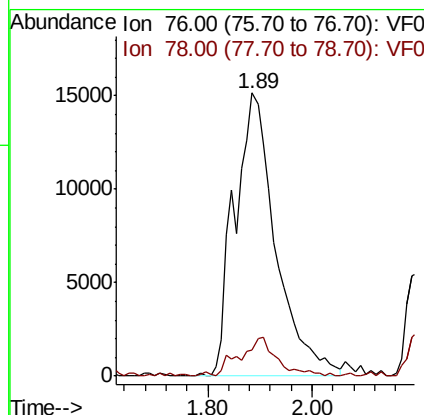
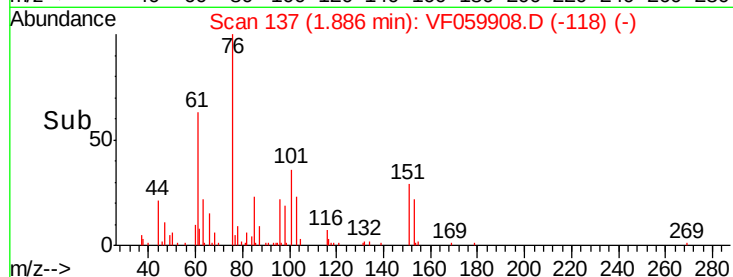
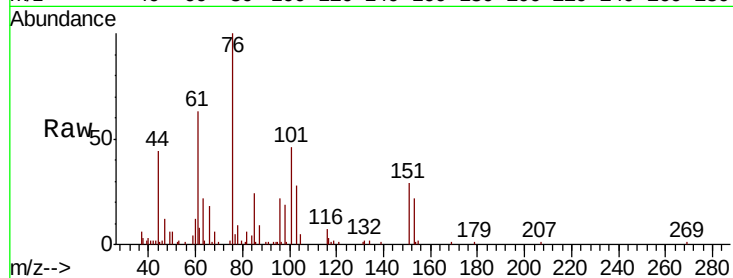
#17
Carbon Disulfide
Concen: 19.92 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion: 76 Resp: 81546
Ion Ratio Lower Upper
76 100
78 9.1 9.3 13.9#

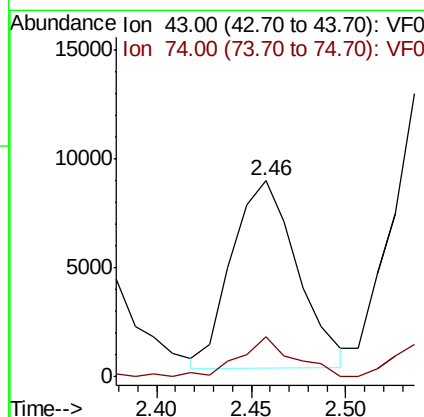
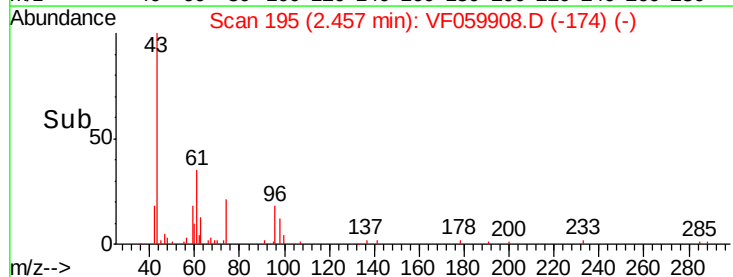
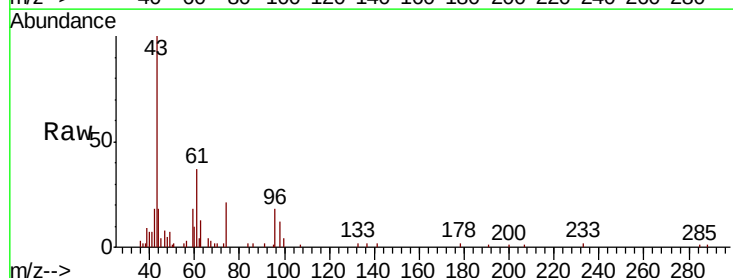
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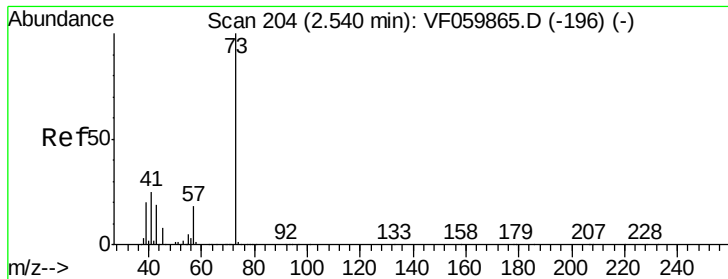
apatel
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#18
Methyl Acetate
Concen: 21.47 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion: 43 Resp: 20695
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5





#19

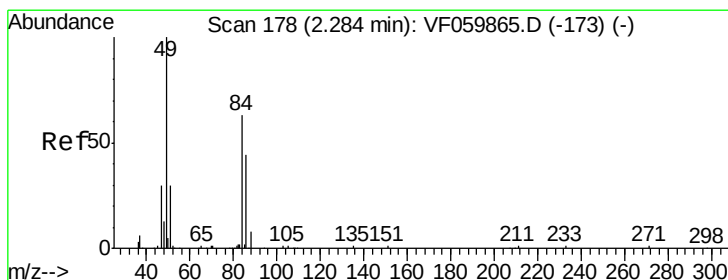
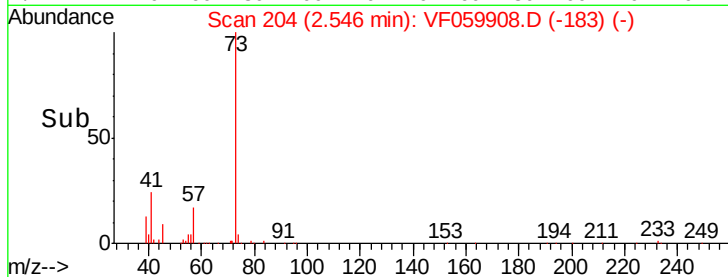
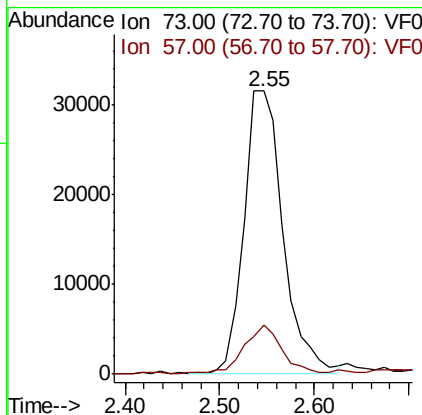
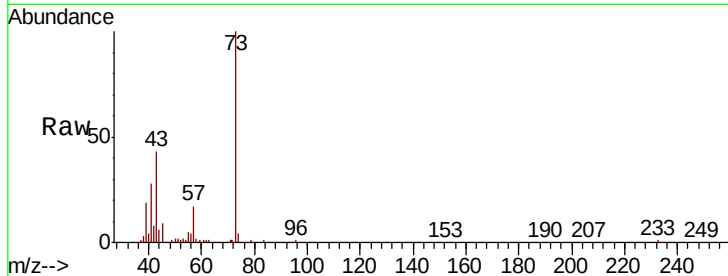
Methyl tert-butyl Ether
 Concen: 21.00 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	73	Resp	91191
Ion Ratio	Lower	Upper	
73	100		
57	17.2	14.3	21.5

Manual Integrations
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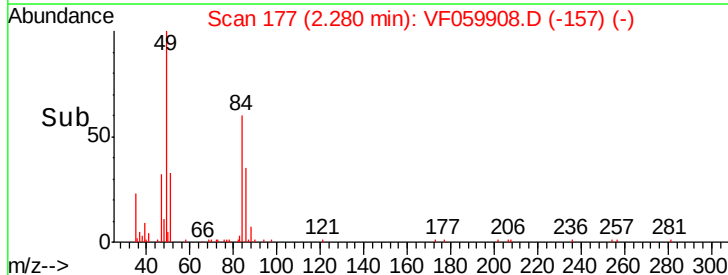
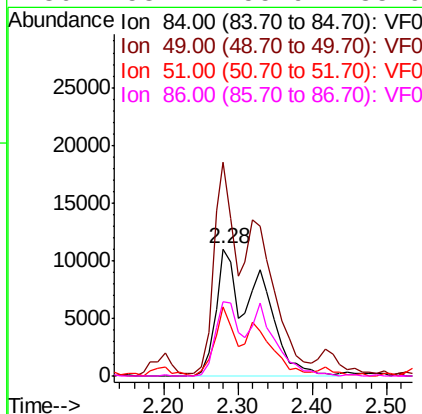
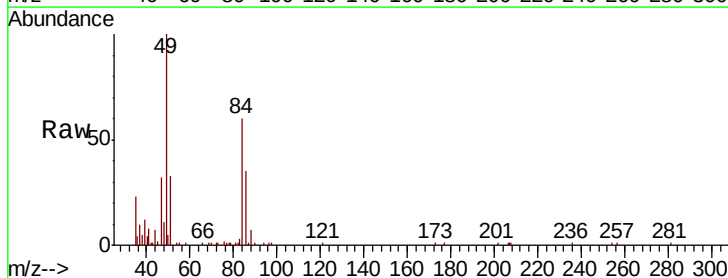
apatel
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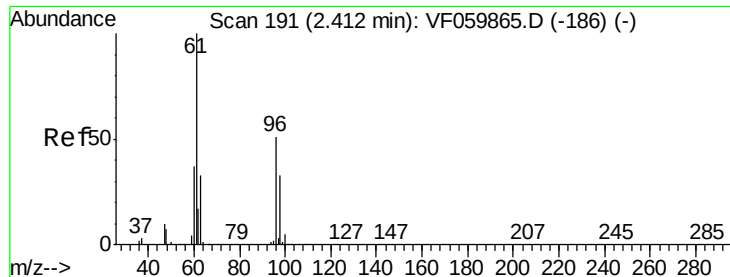


#20

Methylene Chloride
 Concen: 28.79 ug/l m
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	84	Resp	44545
Ion Ratio	Lower	Upper	
84	100		
49	167.9	128.7	193.1
51	54.8	39.3	58.9
86	58.7	55.9	83.9





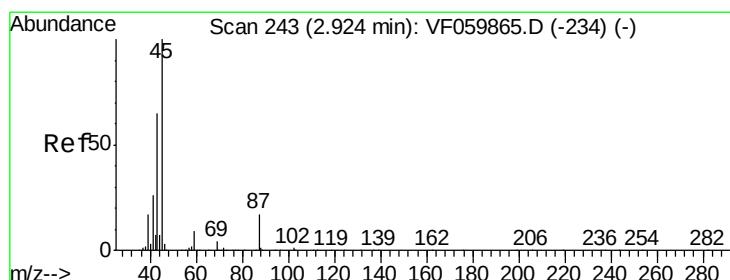
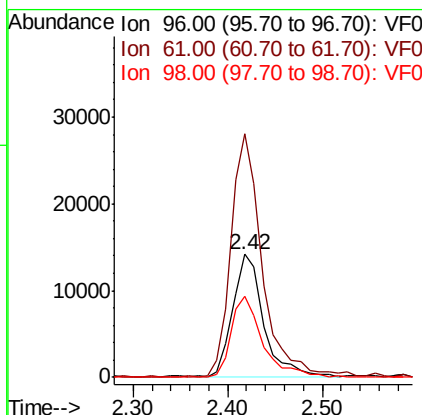
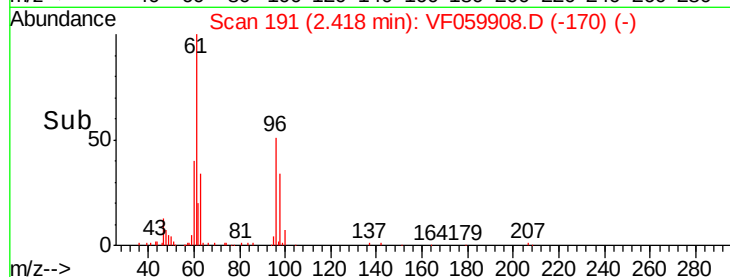
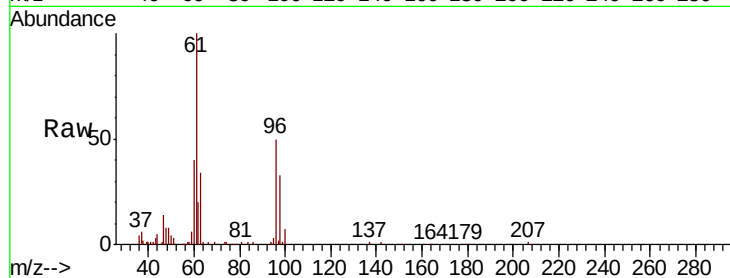
#21
trans-1,2-Dichloroethene
Concen: 21.26 ug/l
RT: 2.42 min Scan# 191
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	198.0	158.2	237.4
98	65.7	52.0	78.0

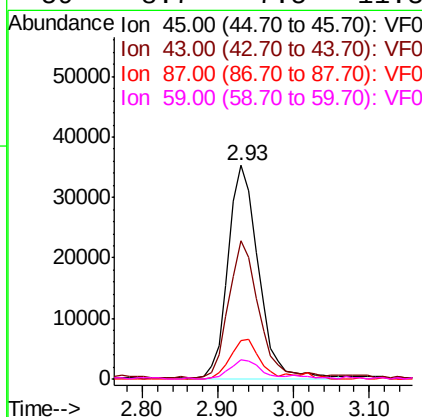
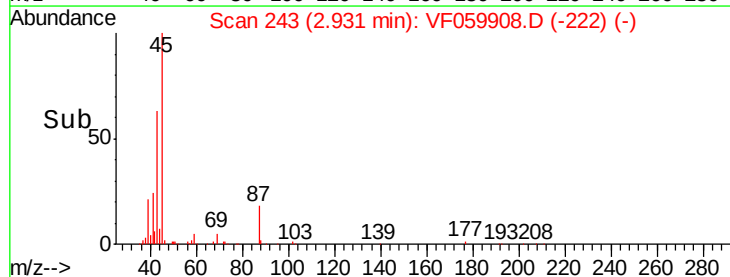
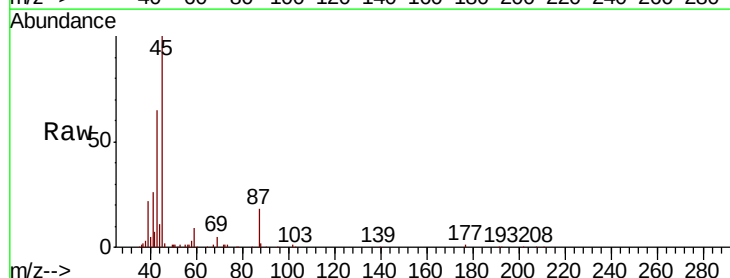
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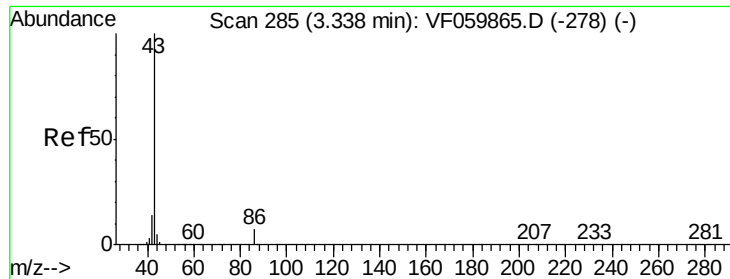
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#22
Diisopropyl ether
Concen: 20.08 ug/l
RT: 2.93 min Scan# 243
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.7	52.1	78.1
87	17.9	13.8	20.8
59	8.7	7.5	11.3





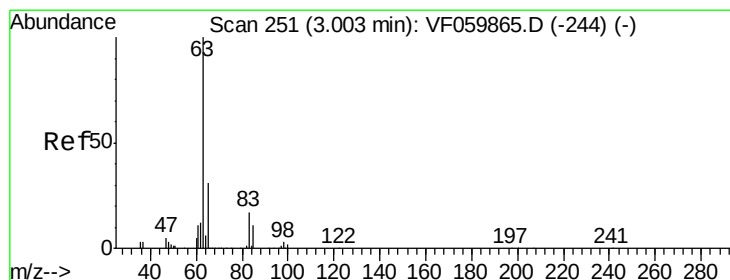
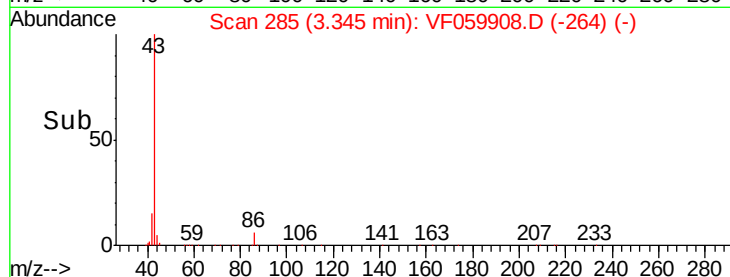
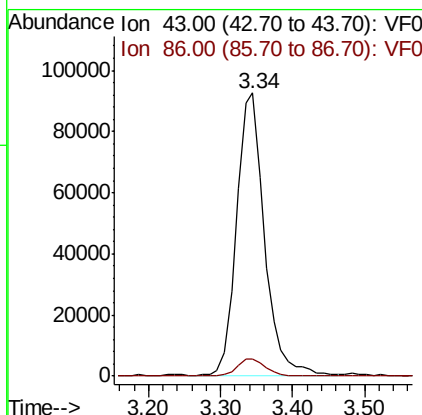
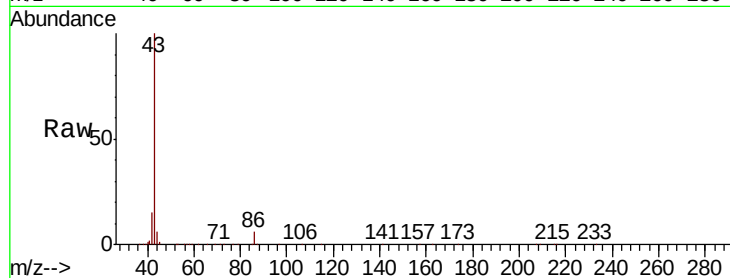
#23
 Vinyl Acetate
 Concen: 104.90 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	43	Resp	249768
Ion Ratio	Lower	Upper	
43	100		
86	5.9	5.6	8.4

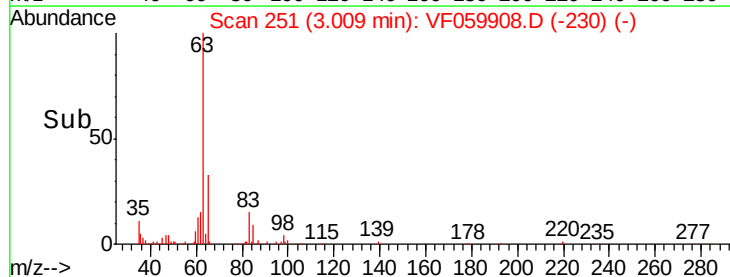
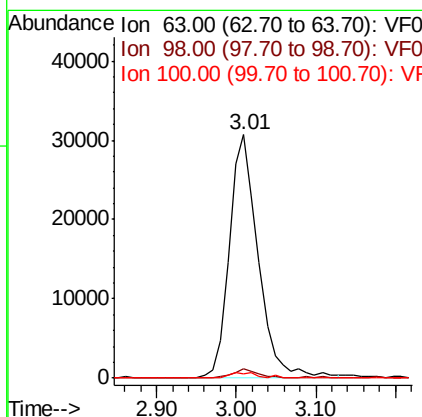
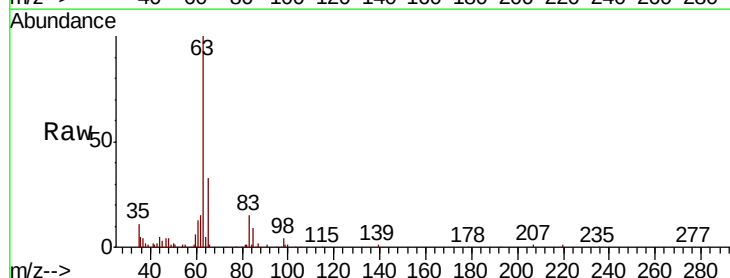
Manual Integrations
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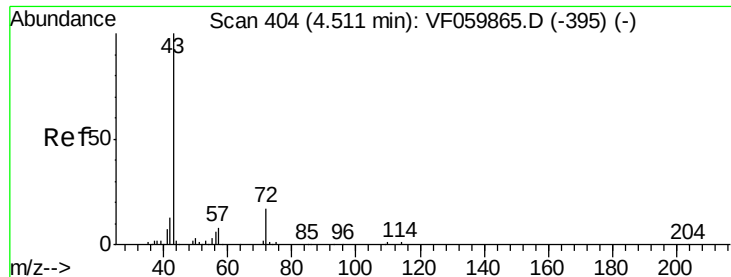
apatel
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#24
 1,1-Dichloroethane
 Concen: 21.69 ug/l
 RT: 3.01 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	63	Resp	77678
Ion Ratio	Lower	Upper	
63	100		
98	4.0	1.9	5.7
100	1.5	1.1	3.5





#25

2-Butanone

Concen: 106.93 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion: 43 Resp: 66436

Ion Ratio Lower Upper

43 100

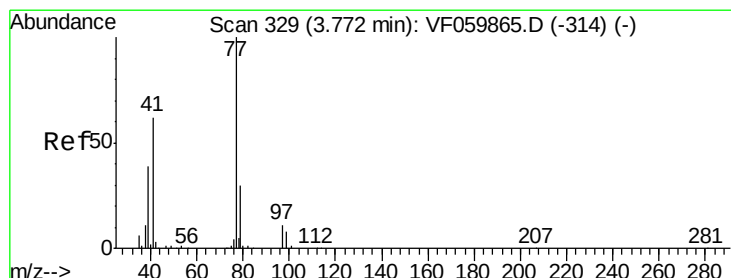
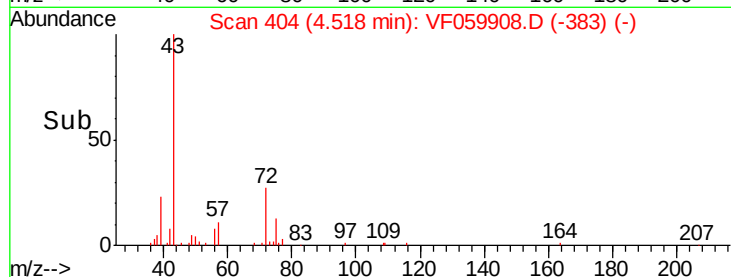
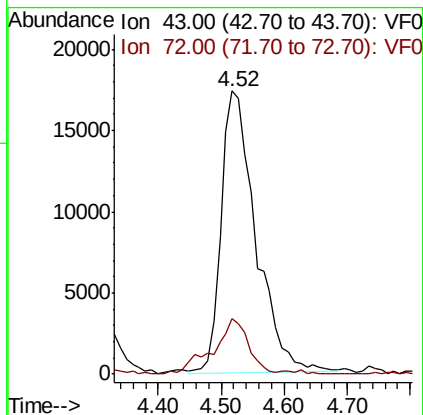
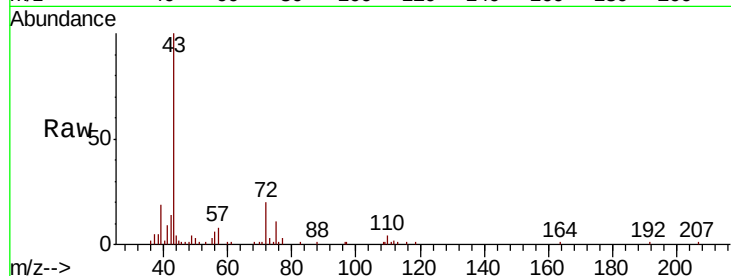
72 19.6 13.9 20.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.92 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059908.D

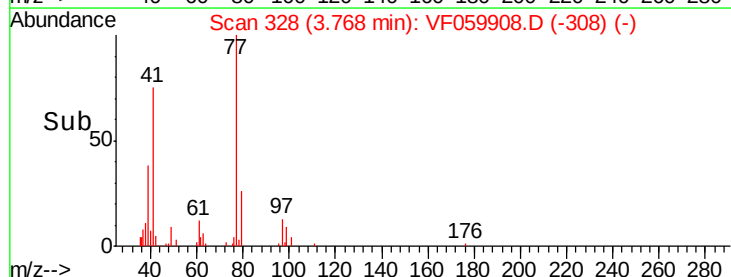
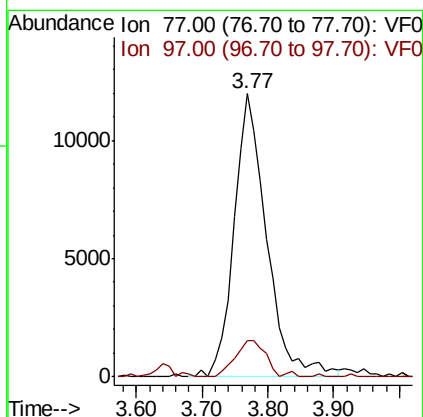
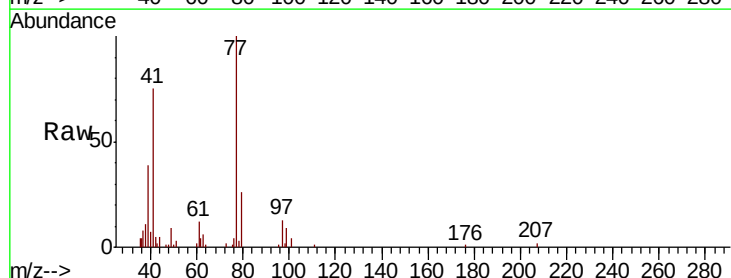
Acq: 7 Aug 2018 8:03

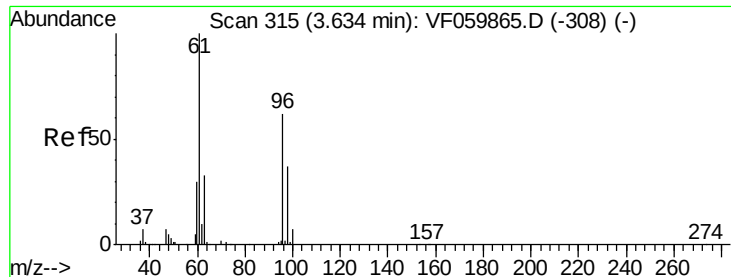
Tgt Ion: 77 Resp: 41534

Ion Ratio Lower Upper

77 100

97 13.0 6.8 20.3





#27

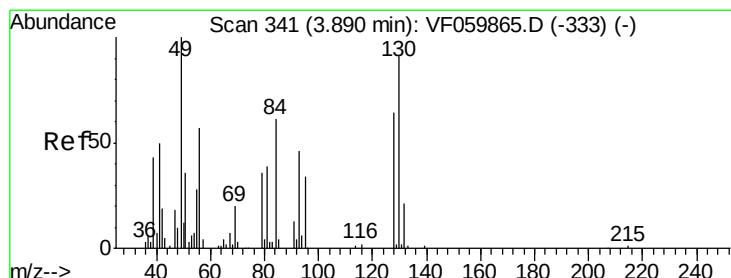
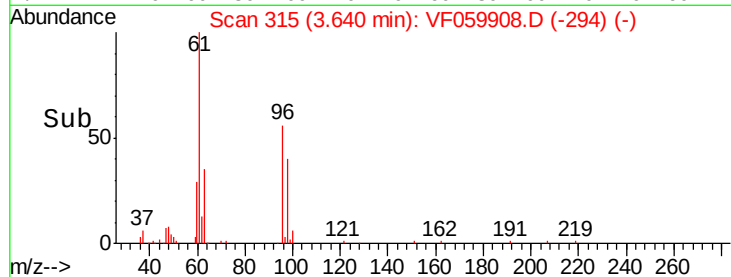
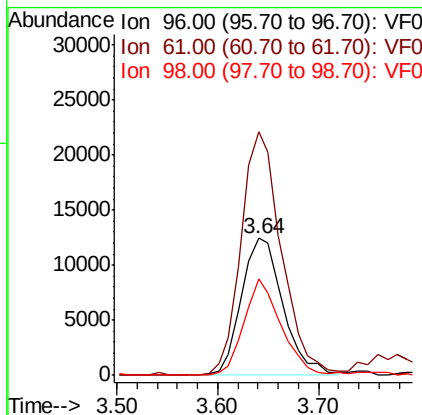
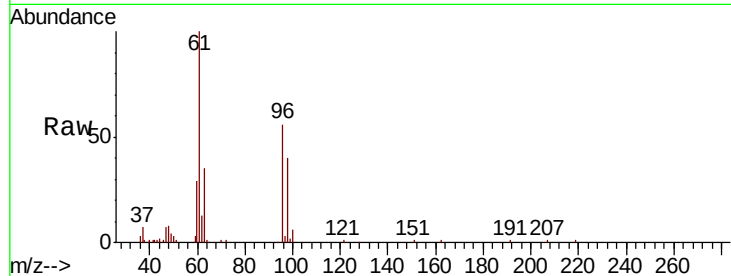
cis-1,2-Dichloroethene
Concen: 20.87 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	178.0	0.0	320.8
98	70.6	0.0	117.6

Manual Integrations
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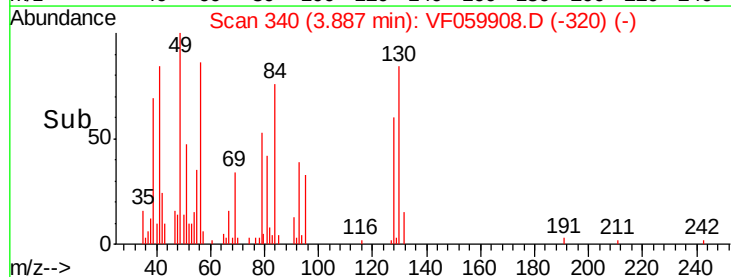
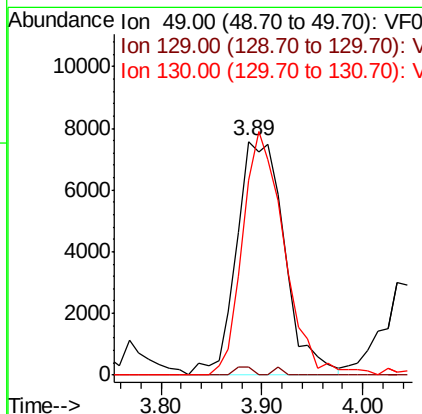
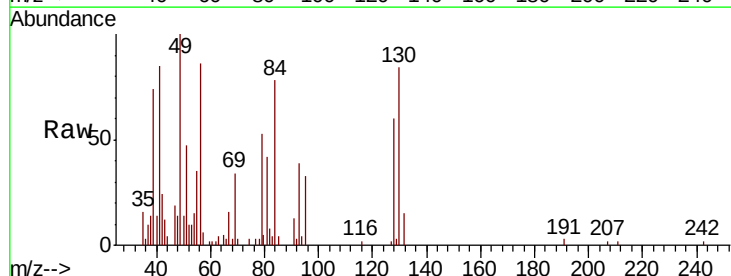
apatel
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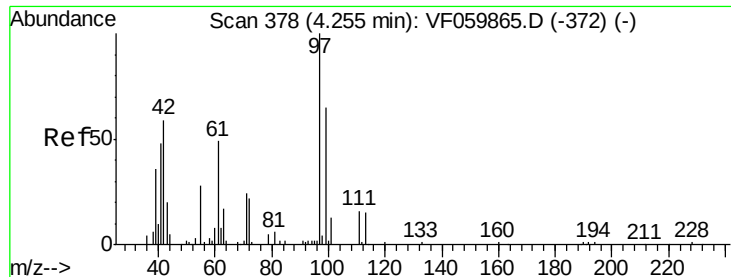


#28

Bromochloromethane
Concen: 19.77 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	4.6
130	83.8	73.8	110.8





#29

Tetrahydrofuran

Concen: 110.98 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

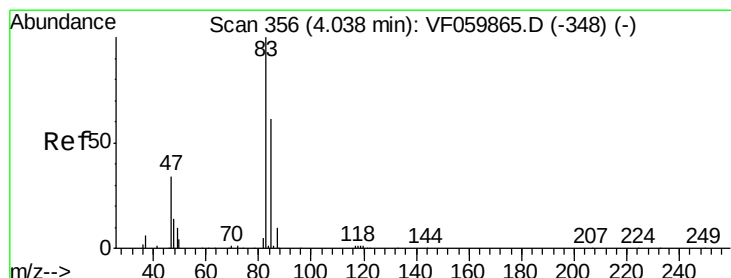
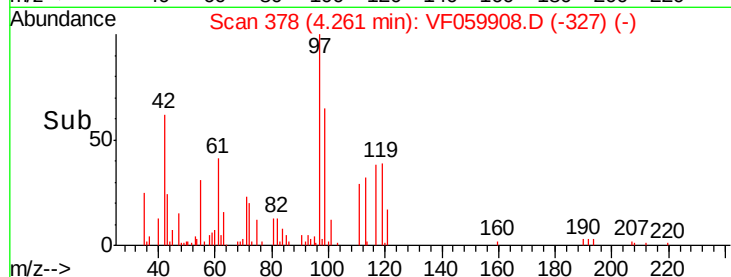
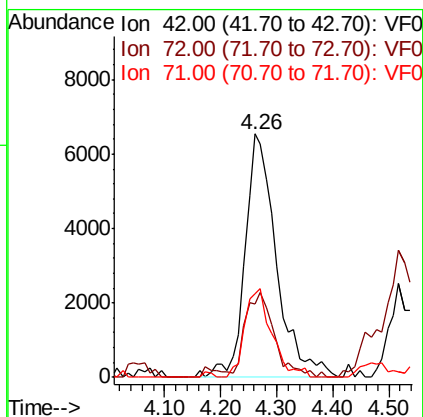
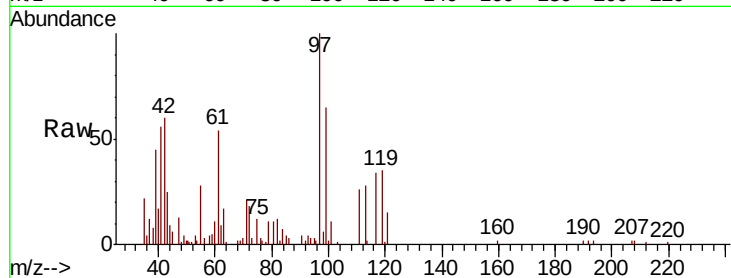
ClientSampleId :

VF0807SBS01

Tot Ion	42	Resp	25384
Ion Ratio	Lower	Upper	
42	100		
72	32.9	29.3	43.9
71	31.4	30.0	45.0

Manual Integrations
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#30

Chloroform

Concen: 21.58 ug/l

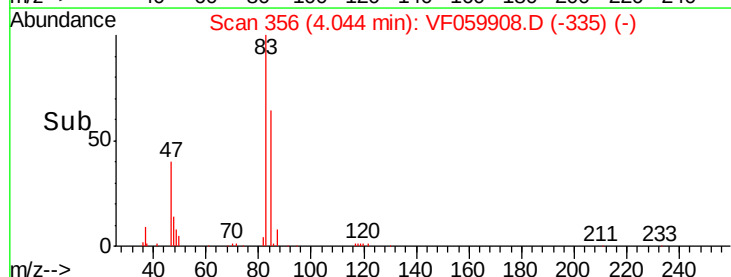
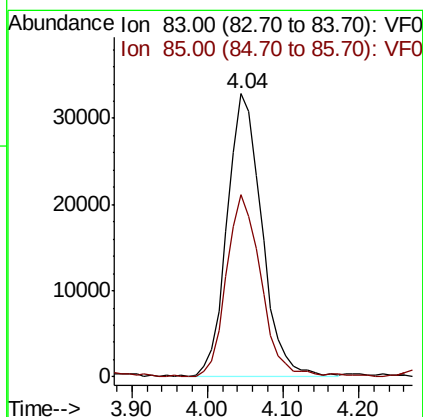
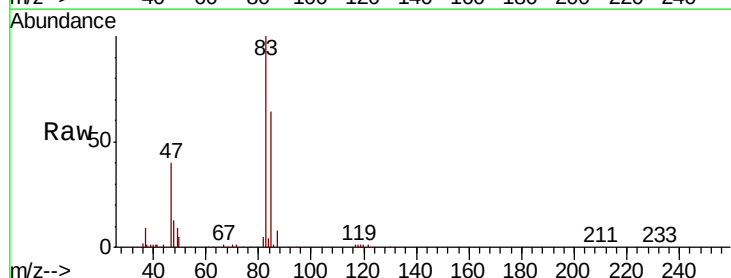
RT: 4.04 min Scan# 356

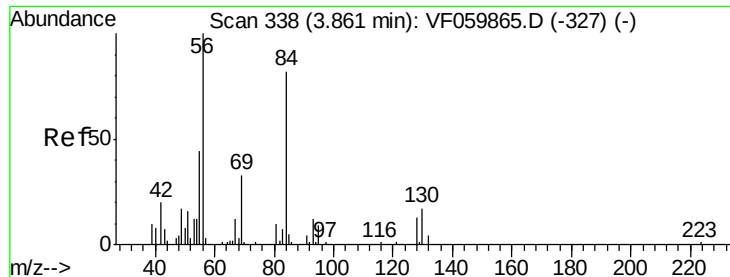
Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion	83	Resp	104587
Ion Ratio	Lower	Upper	
83	100		
85	65.6	49.3	73.9





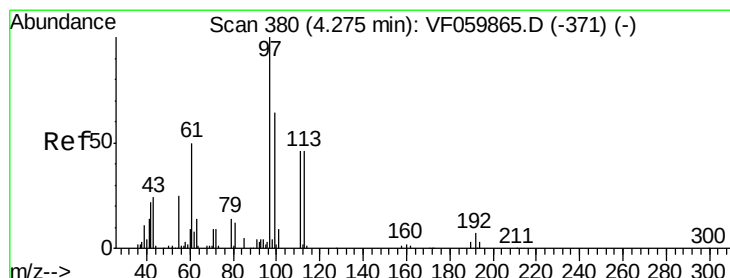
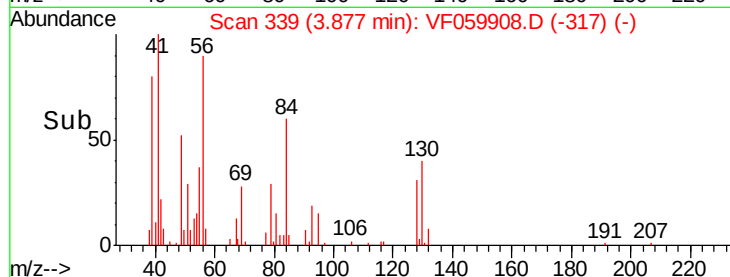
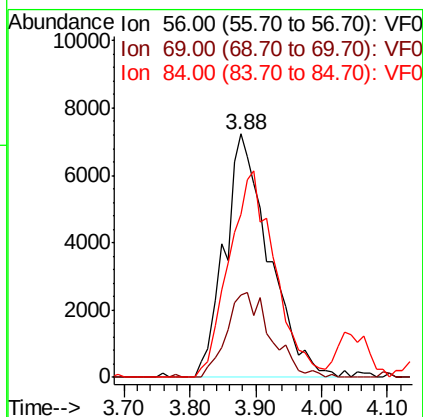
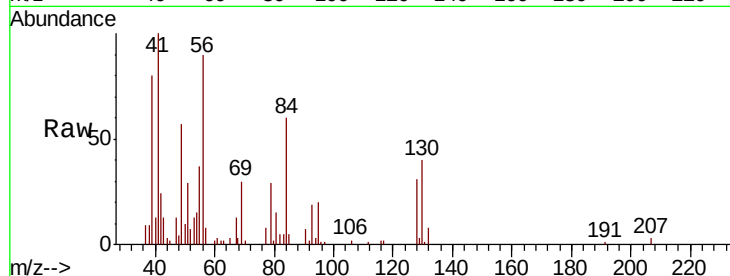
#31
Cyclohexane
Concen: 19.15 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion:	56	Resp:	33946
Ion Ratio	Lower	Upper	
56	100		
69	33.6	26.7	40.1
84	66.8	65.9	98.9

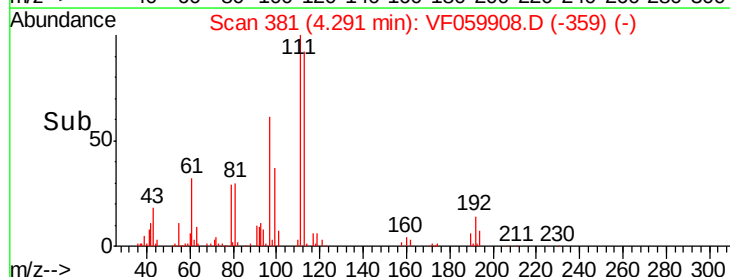
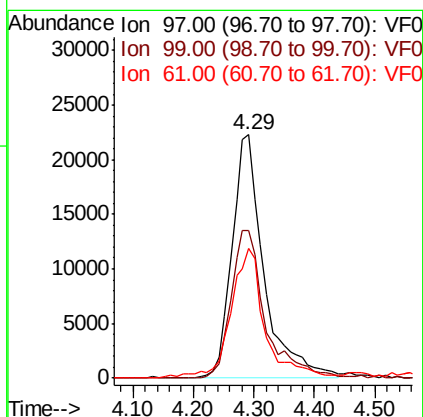
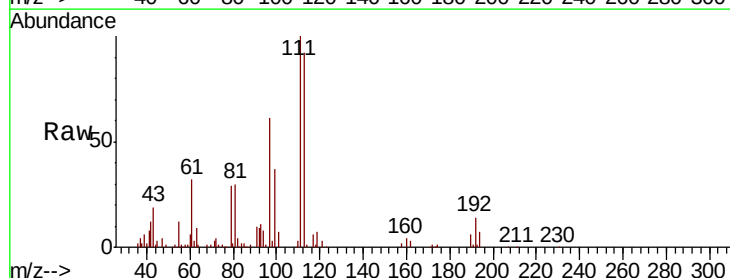
Manual Integrations
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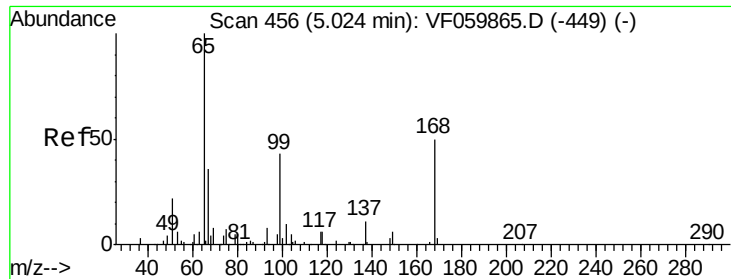
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#32
1,1,1-Trichloroethane
Concen: 21.06 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion:	97	Resp:	81662
Ion Ratio	Lower	Upper	
97	100		
99	60.7	51.4	77.2
61	53.3	40.8	61.2





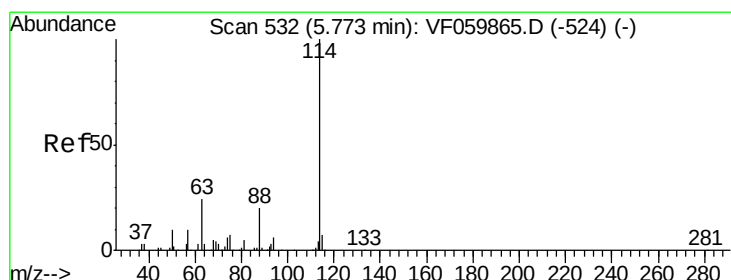
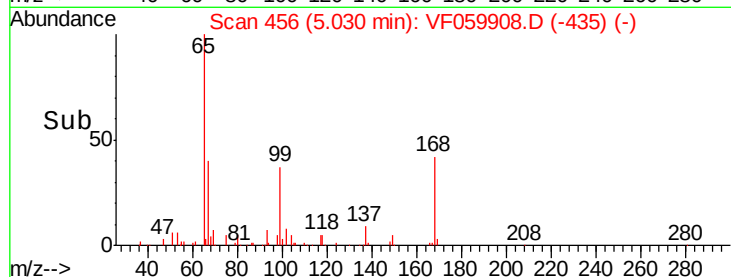
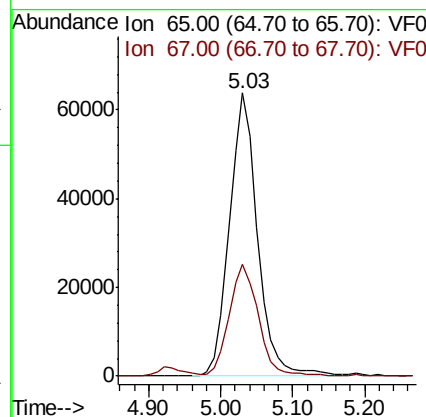
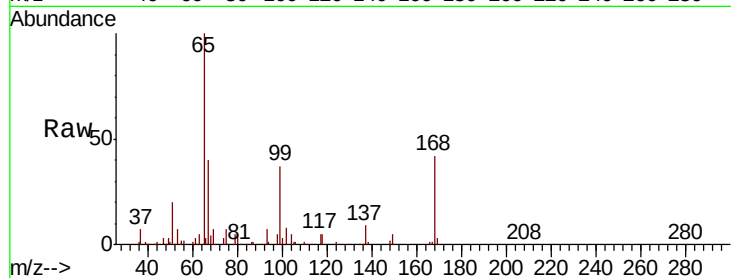
#33
 1,2-Dichloroethane-d4
 Concen: 55.83 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172799		
67	39.5	0.0	77.2	

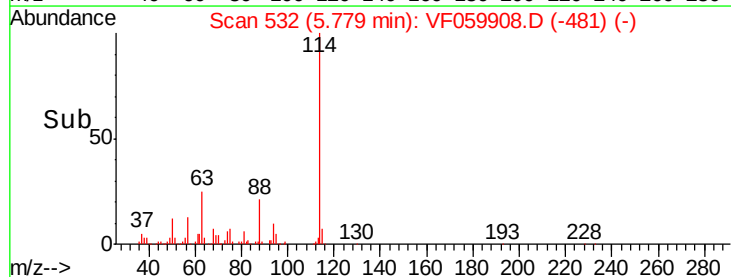
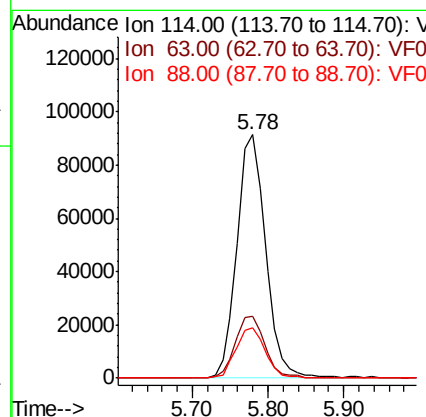
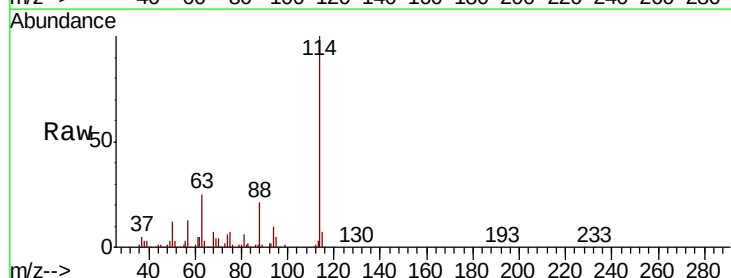
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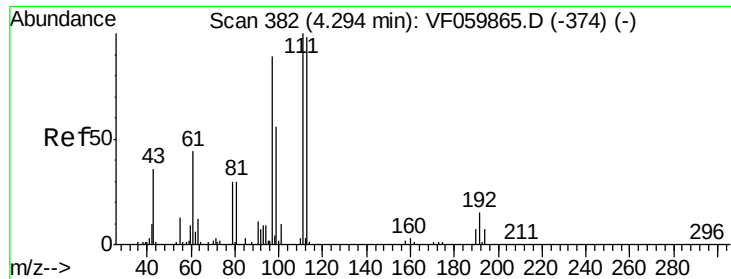
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	240465		
63	25.2	0.0	48.0	
88	20.8	0.0	39.4	





#35

Dibromofluoromethane

Concen: 53.49 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

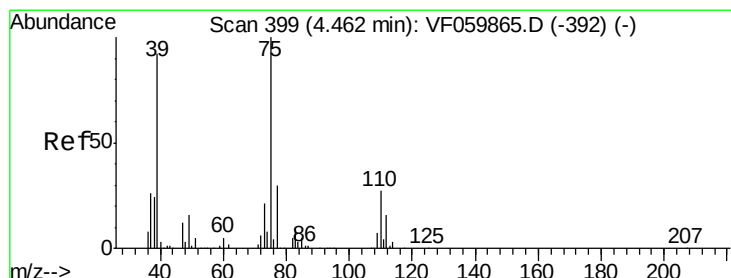
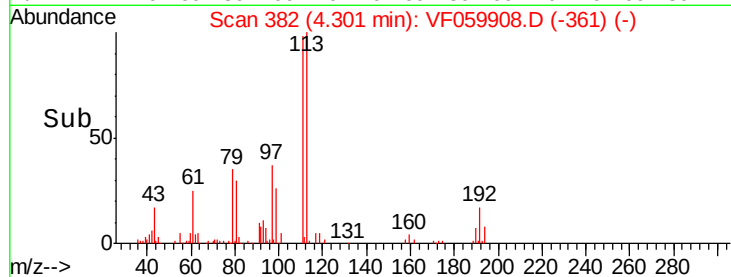
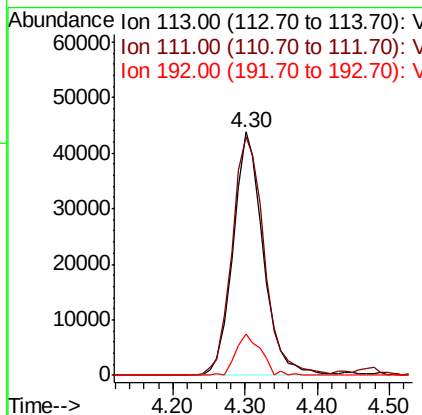
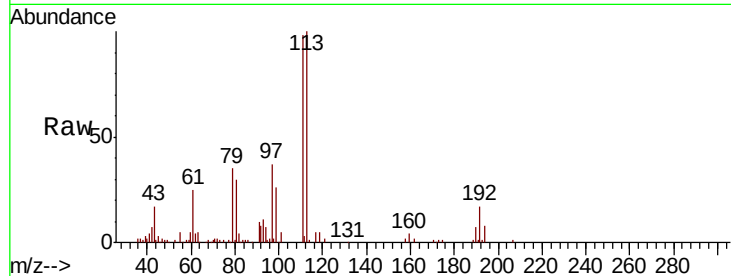
ClientSampleId :

VF0807SBS01

Tot Ion:	113	Resp:	127976
Ion Ratio	Lower	Upper	
113	100		
111	98.1	81.8	122.8
192	17.0	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.69 ug/l

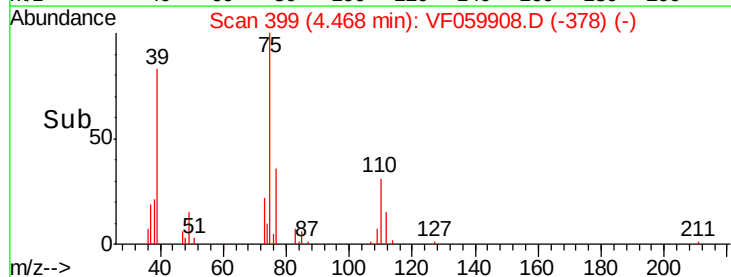
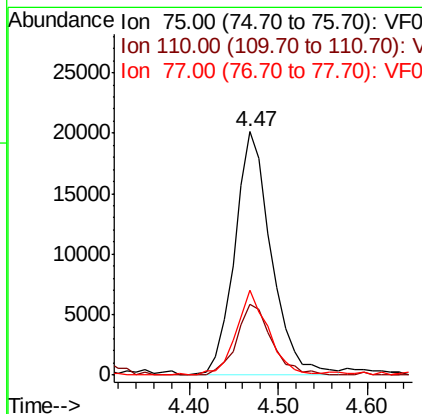
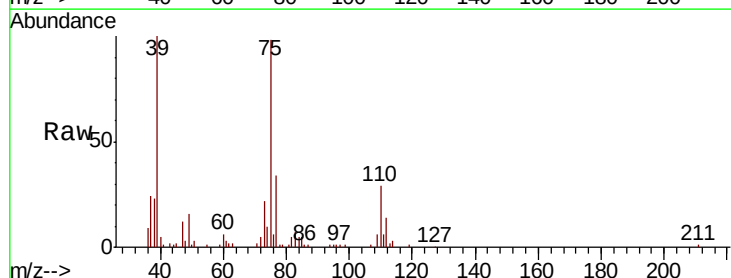
RT: 4.47 min Scan# 399

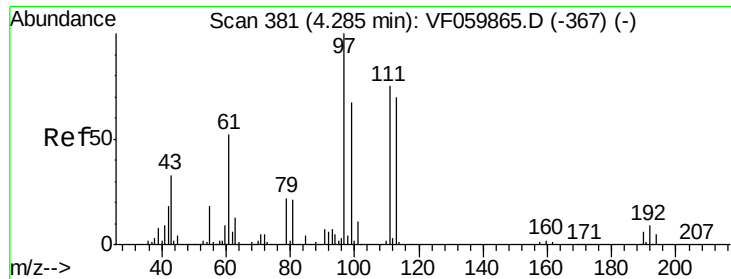
Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion:	75	Resp:	57559
Ion Ratio	Lower	Upper	
75	100		
110	29.2	13.6	40.7
77	34.9	23.7	35.5





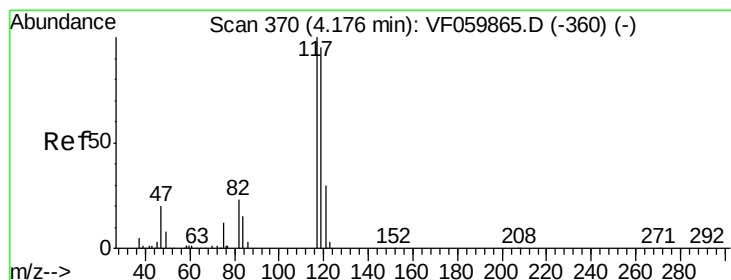
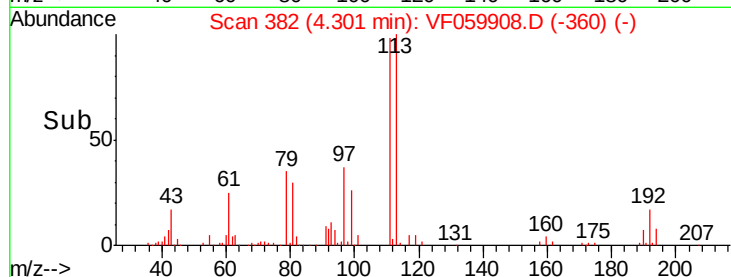
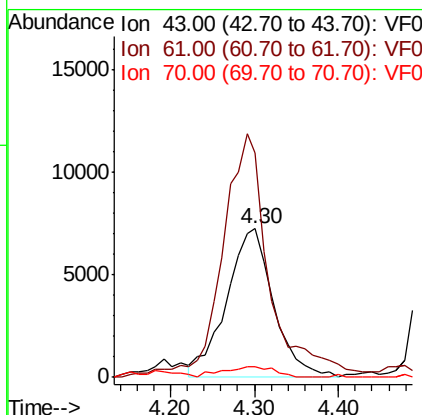
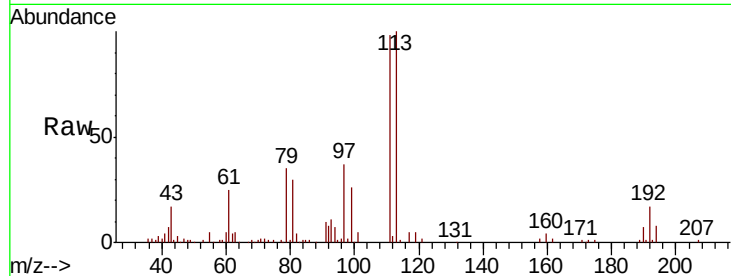
#37
Ethyl Acetate
Concen: 23.69 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	151.3	123.7	185.5
70	6.9	7.8	11.8#

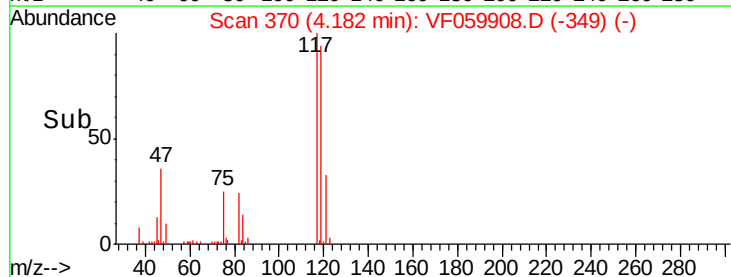
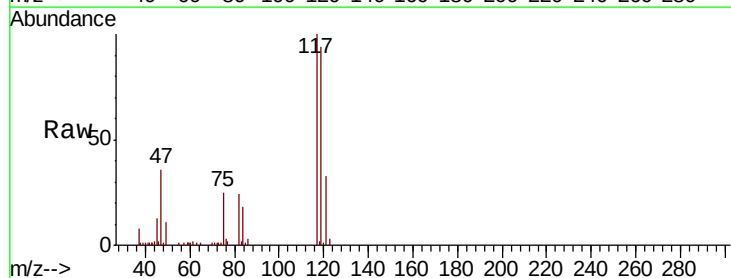
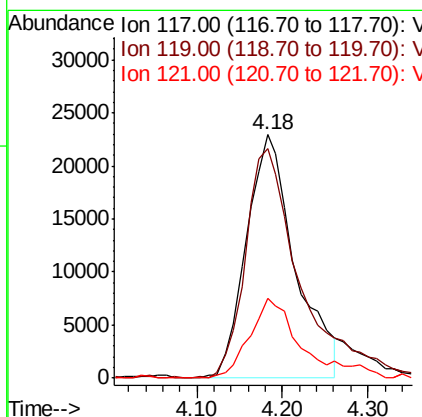
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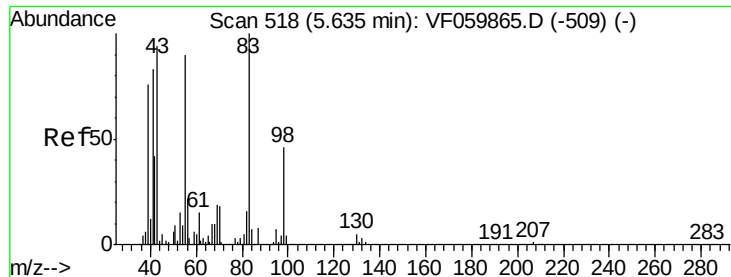
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#38
Carbon Tetrachloride
Concen: 22.94 ug/l m
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.5	114.7
121	32.6	23.8	35.8





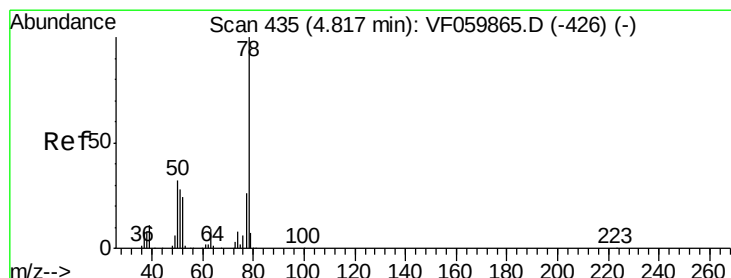
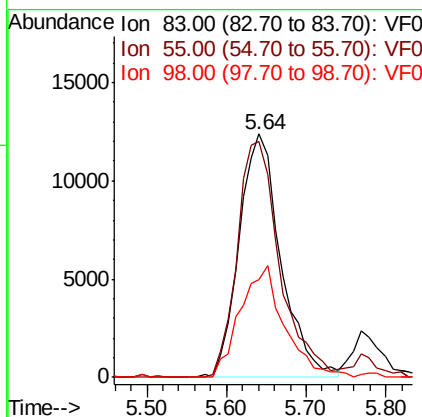
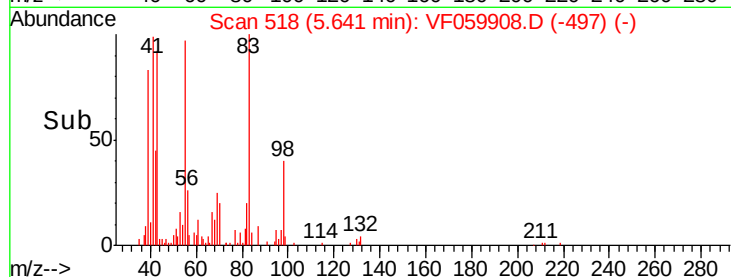
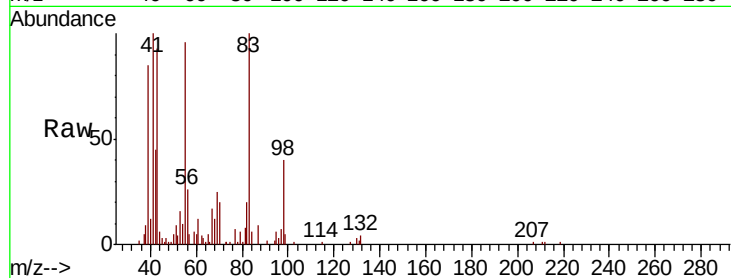
#39
Methylvlcyclohexane
Concen: 21.50 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	83	Resp	44842
Ion Ratio	Lower	Upper	
83	100		
55	96.7	72.0	108.0
98	40.3	36.6	54.8

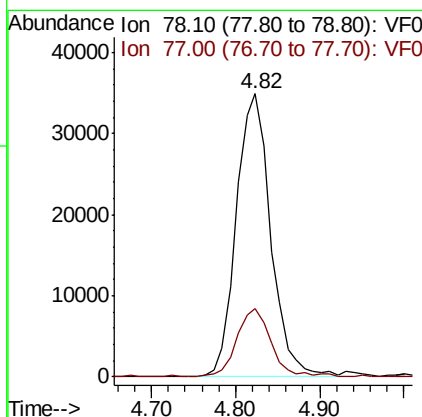
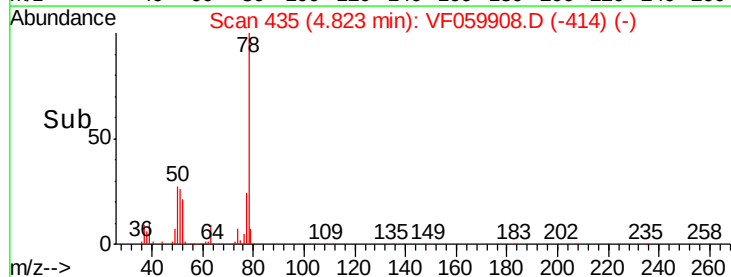
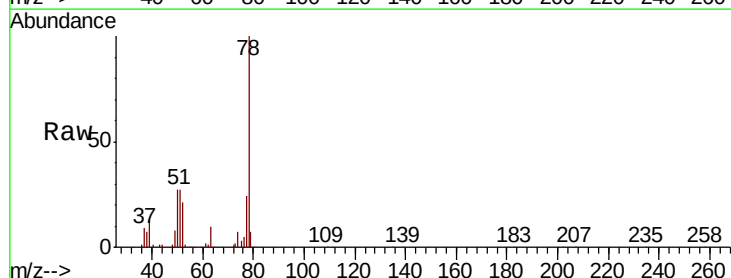
Manual Integrations
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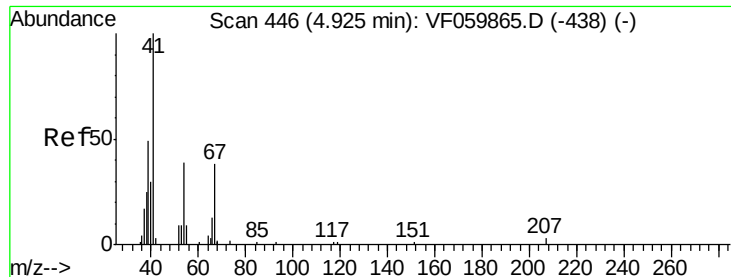
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#40
Benzene
Concen: 19.03 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	78	Resp	99869
Ion Ratio	Lower	Upper	
78	100		
77	24.2	20.7	31.1





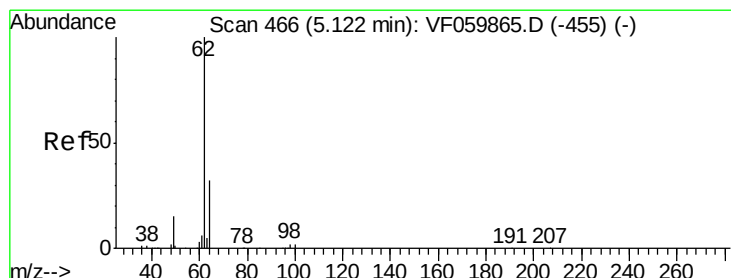
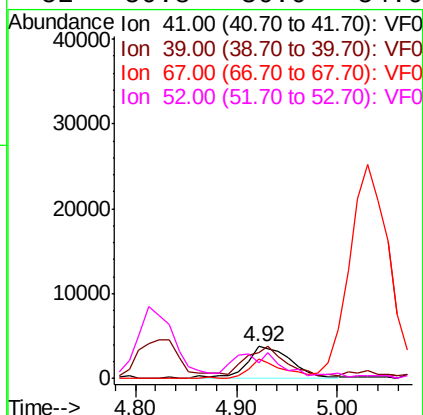
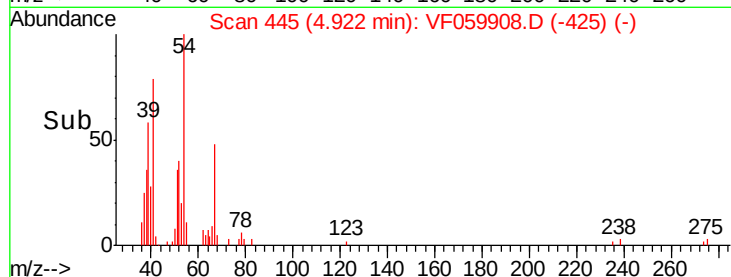
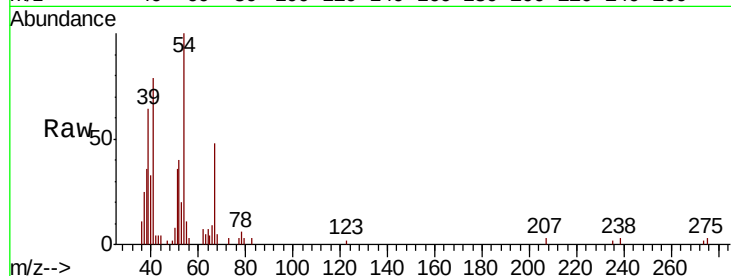
#41
Methacrylonitrile
Concen: 18.08 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	80.9	55.1	82.7	
67	60.4	30.3	45.5	
52	50.8	36.0	54.0	

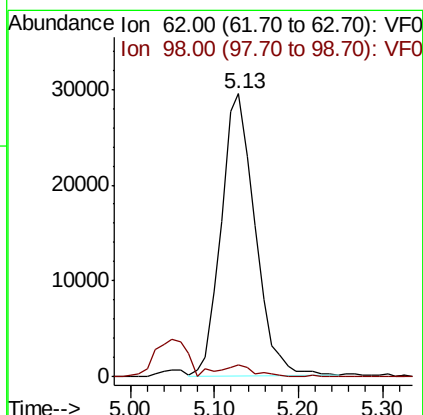
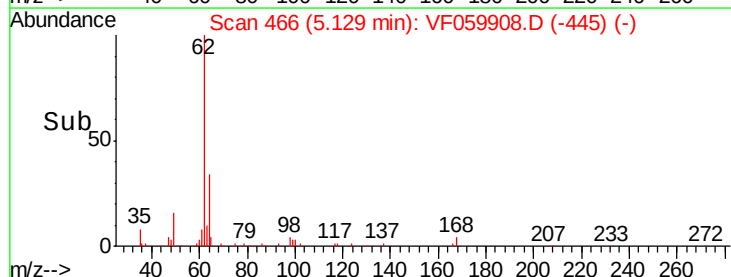
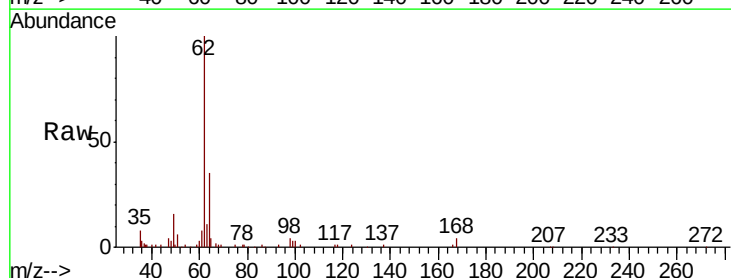
Manual Integrations
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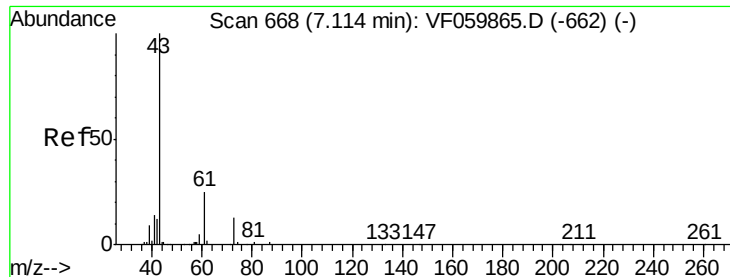
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#42
1,2-Dichloroethane
Concen: 21.41 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	4.1	0.0	7.6	





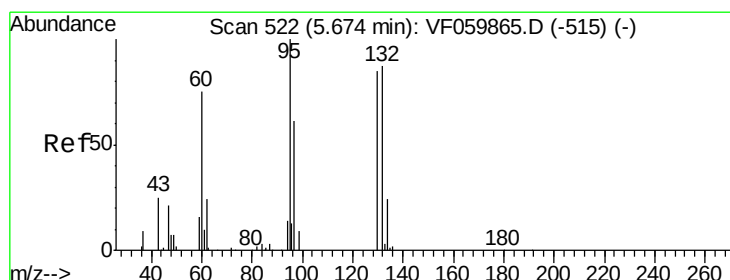
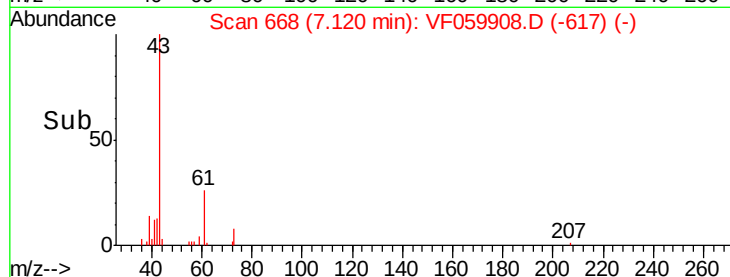
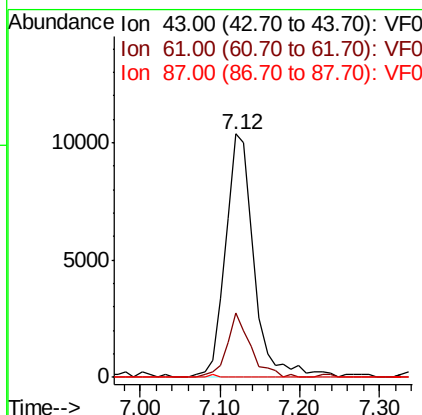
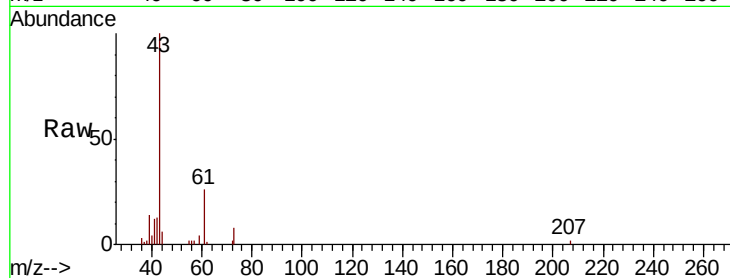
#43
Isopropyl Acetate
Concen: 21.18 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.3	30.5
87	0.0	0.7	1.1#

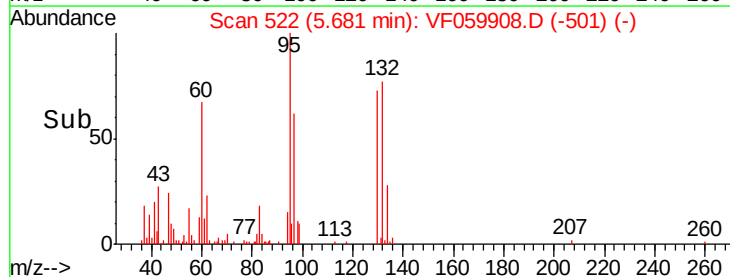
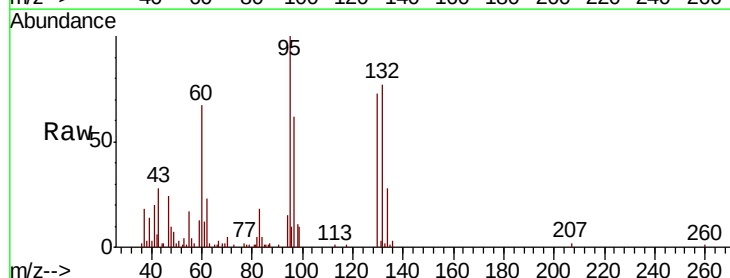
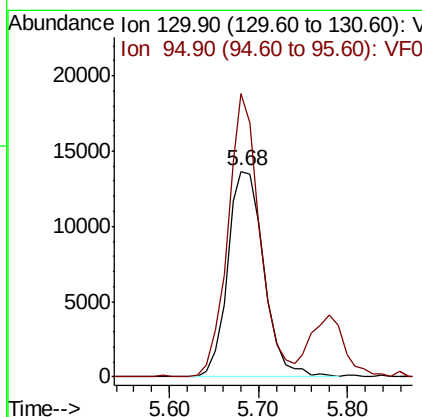
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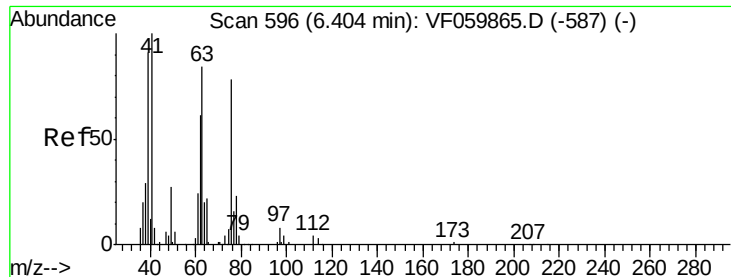
apatel
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#44
Trichloroethene
Concen: 20.93 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	137.5	0.0	236.8





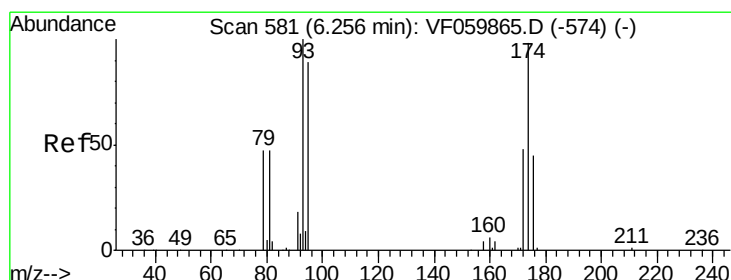
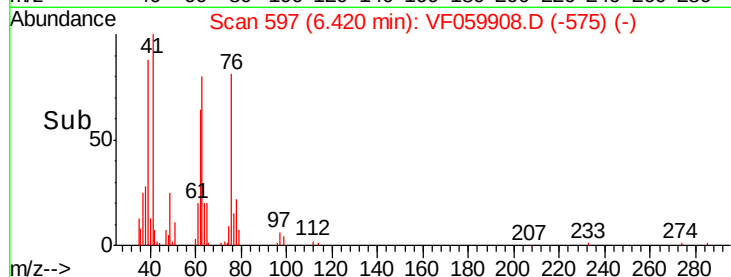
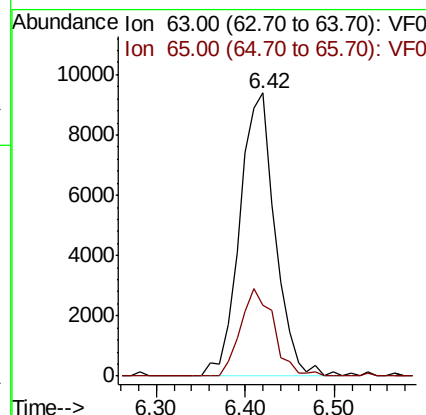
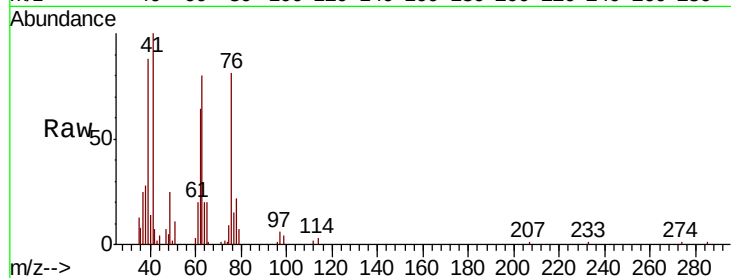
#45
1,2-Dichloropropane
Concen: 20.25 ug/l
RT: 6.42 min Scan# 597
Delta R.T. 0.02 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion: 63 Resp: 25847
Ion Ratio Lower Upper
63 100
65 25.1 20.4 30.6

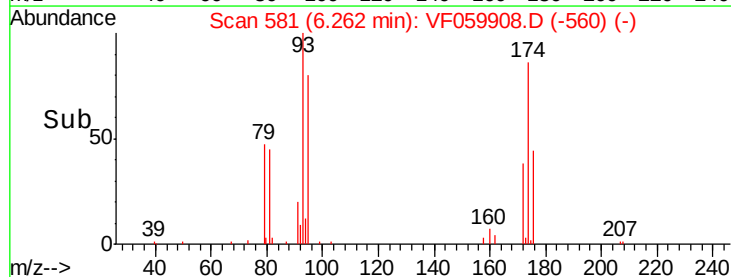
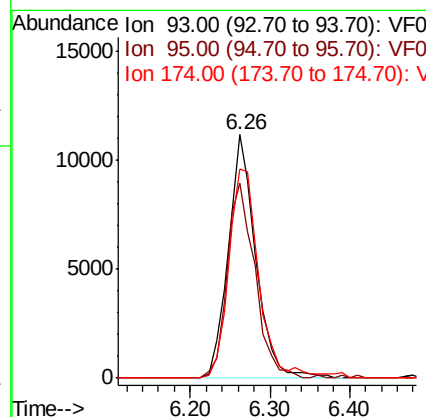
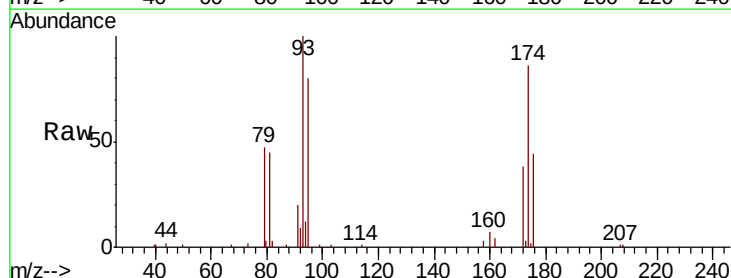
Manual Integrations
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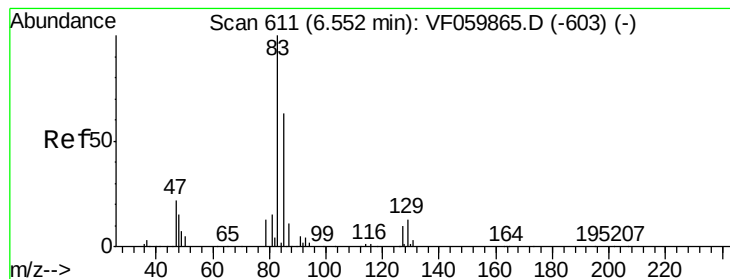
apatel
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#46
Dibromomethane
Concen: 21.00 ug/l
RT: 6.26 min Scan# 581
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion: 93 Resp: 27051
Ion Ratio Lower Upper
93 100
95 80.3 71.4 107.2
174 88.0 78.1 117.1





#47

Bromodichloromethane

Concen: 22.39 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

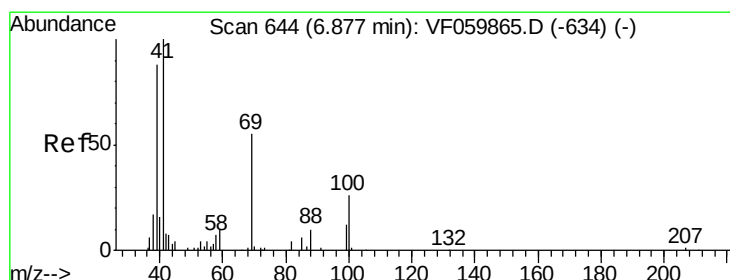
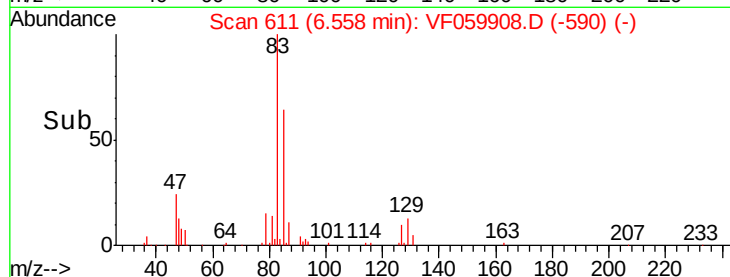
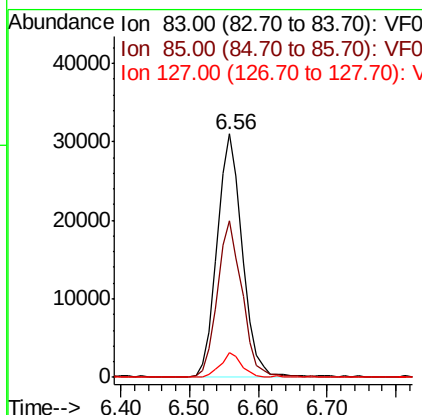
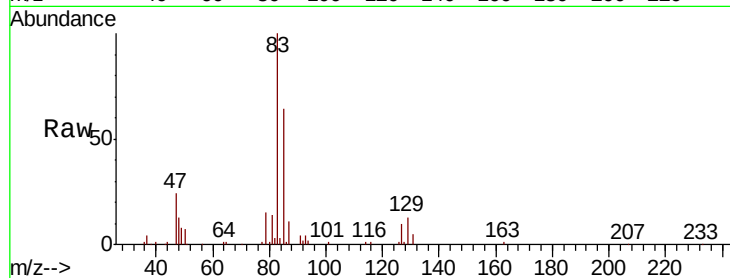
ClientSampleId :

VF0807SBS01

Tot Ion:	83	Resp:	78870
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1
127	11.0	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.44 ug/l

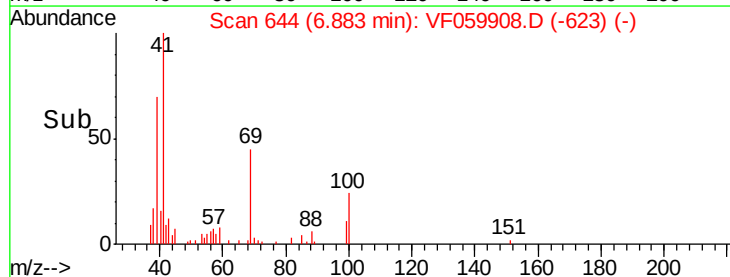
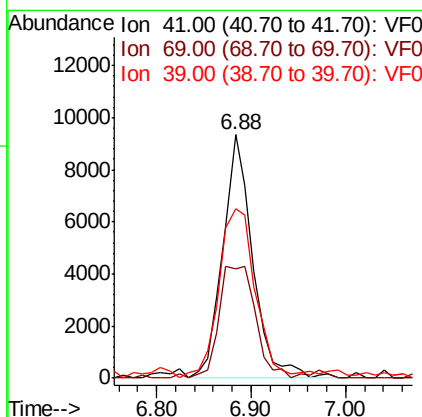
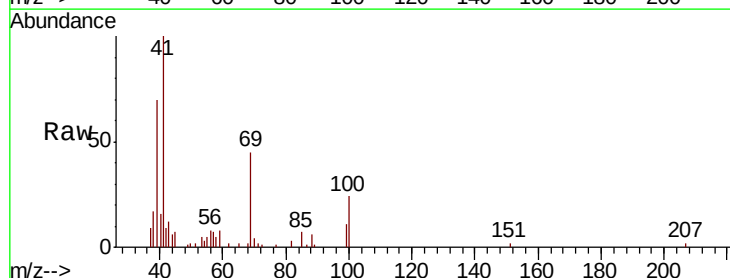
RT: 6.88 min Scan# 644

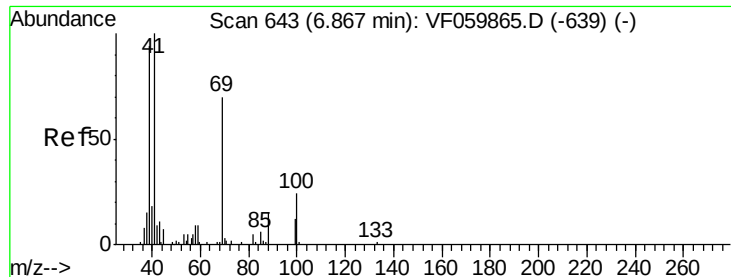
Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion:	41	Resp:	20512
Ion	Ratio	Lower	Upper
41	100		
69	45.0	44.4	66.6
39	69.6	70.6	106.0#





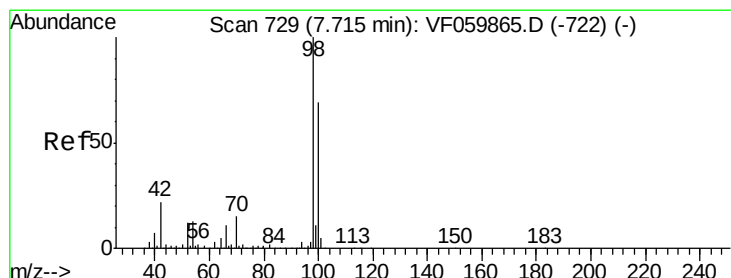
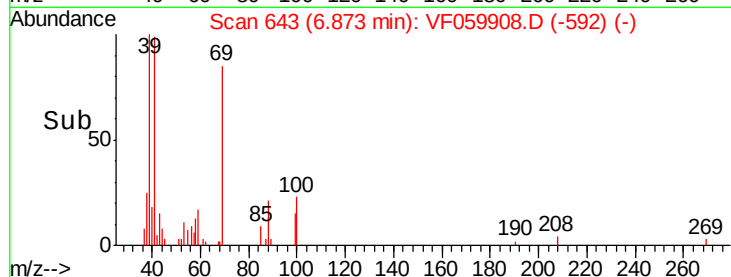
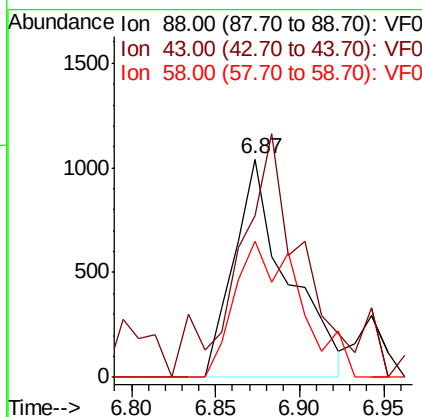
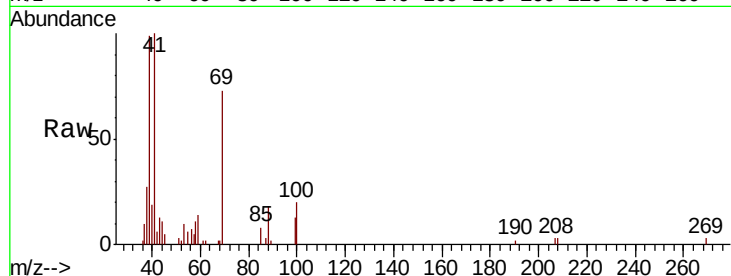
#49
1,4-Dioxane
Concen: 386.68 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.0	58.3	87.5
58	62.4	49.4	74.2

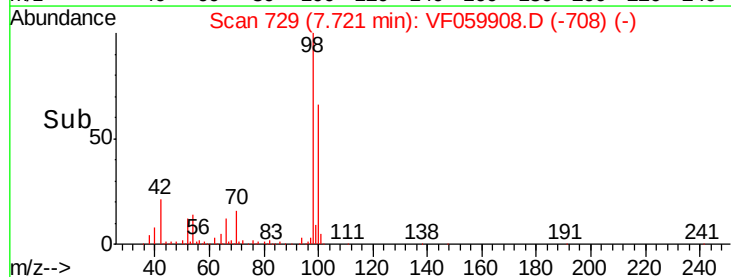
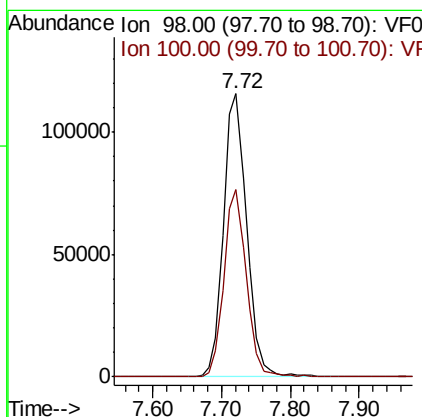
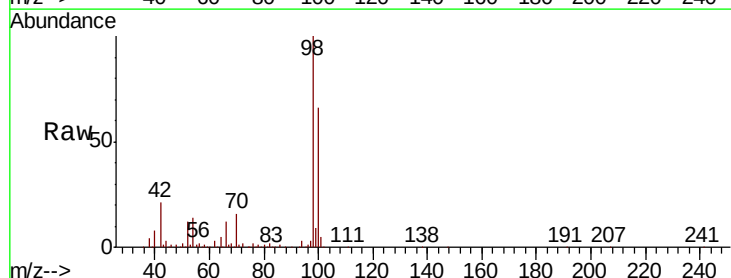
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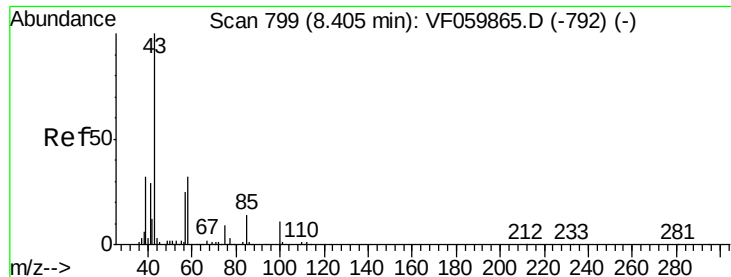
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#50
Toluene-d8
Concen: 53.17 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	55.0	82.6





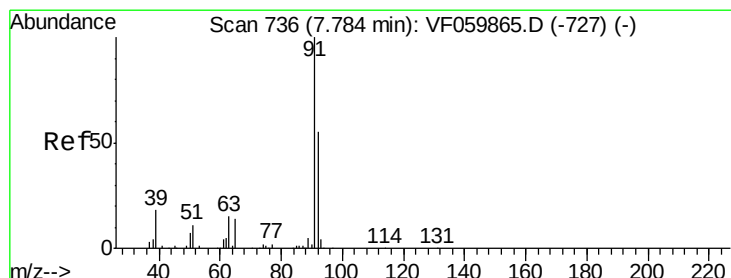
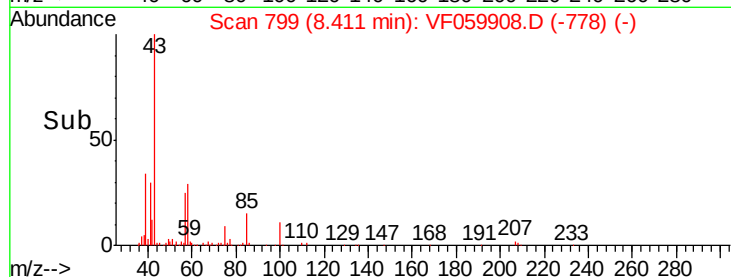
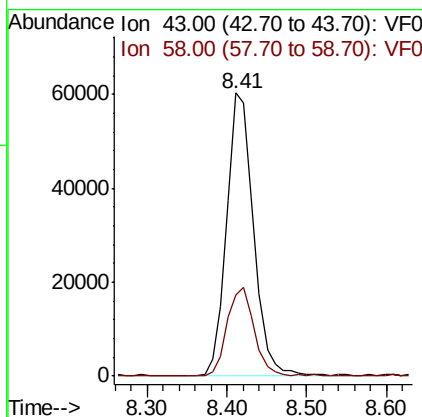
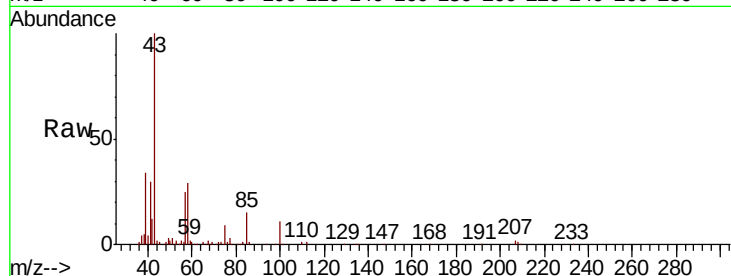
#51
4-Methyl-2-Pentanone
Concen: 113.69 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.4	38.0

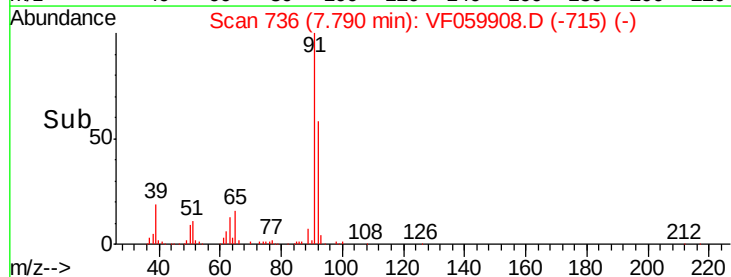
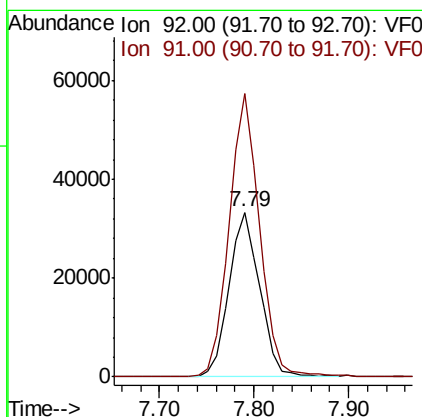
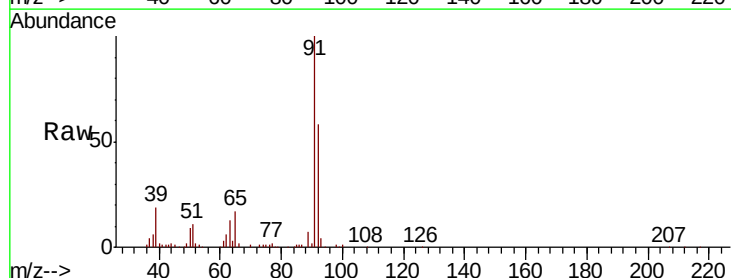
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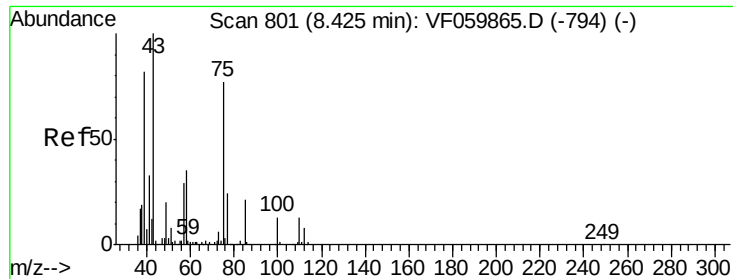
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#52
Toluene
Concen: 21.30 ug/l
RT: 7.79 min Scan# 736
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	145.7	218.5





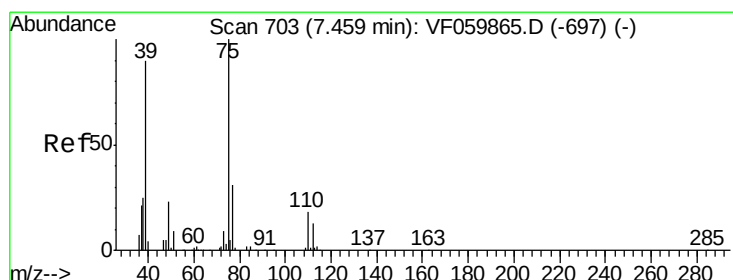
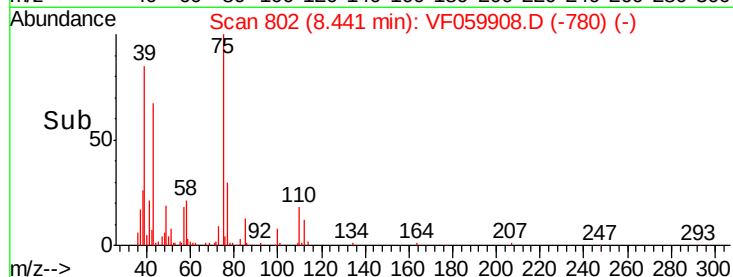
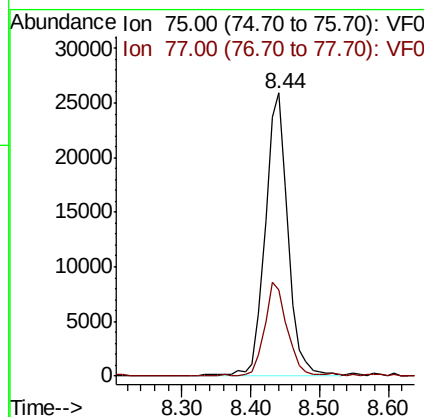
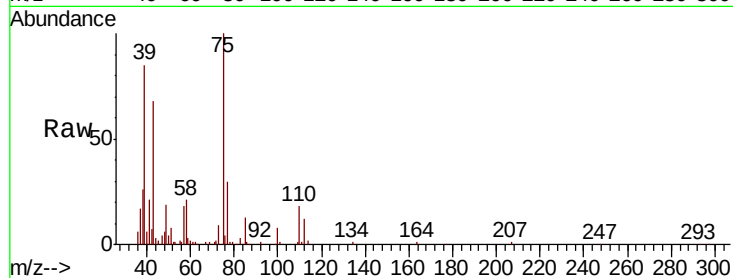
#53
t-1,3-Dichloropropene
Concen: 22.33 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.02 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.5	36.7

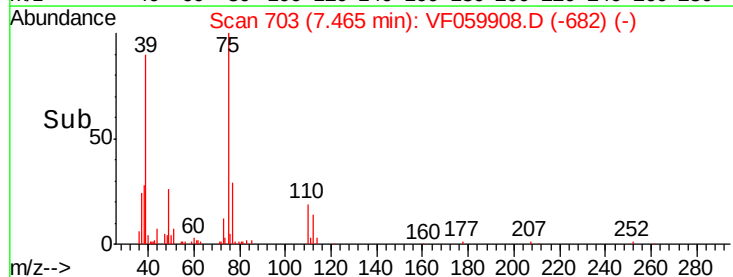
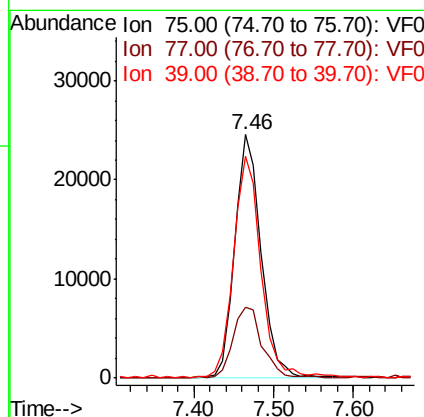
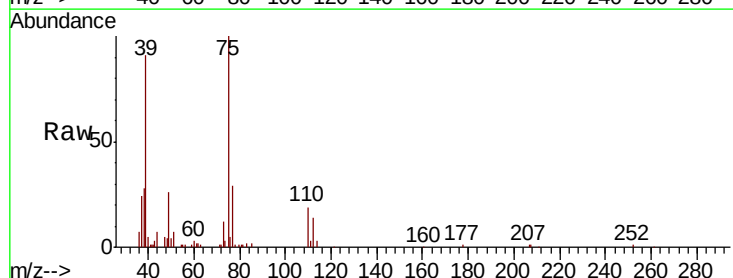
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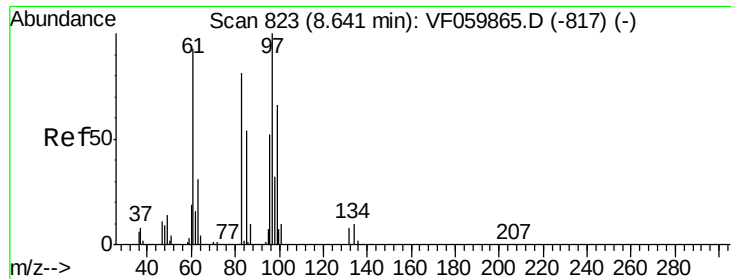
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#54
cis-1,3-Dichloropropene
Concen: 20.58 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.7	37.1
39	91.2	72.0	108.0





#55

1,1,2-Trichloroethane

Concen: 21.26 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

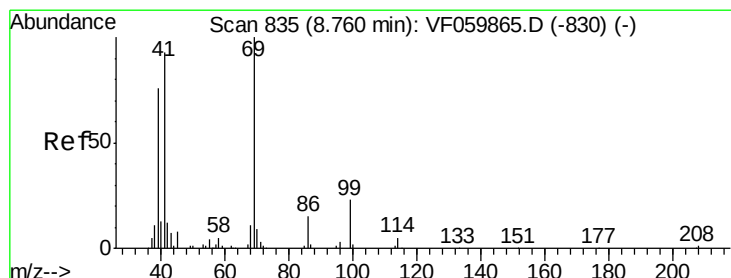
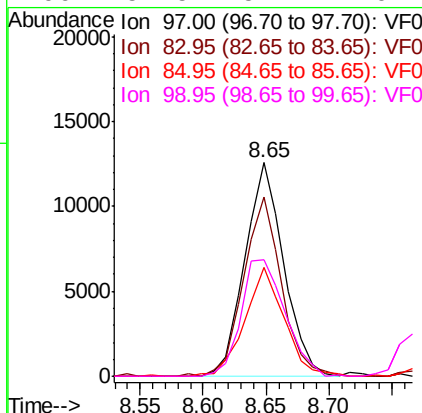
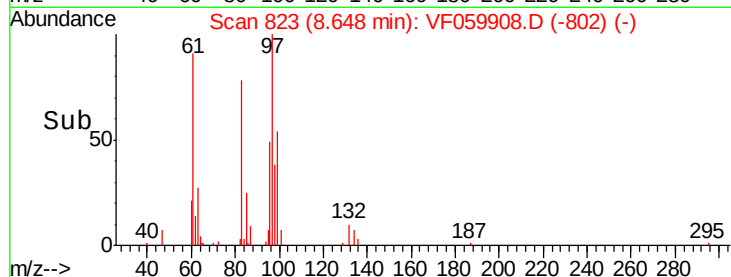
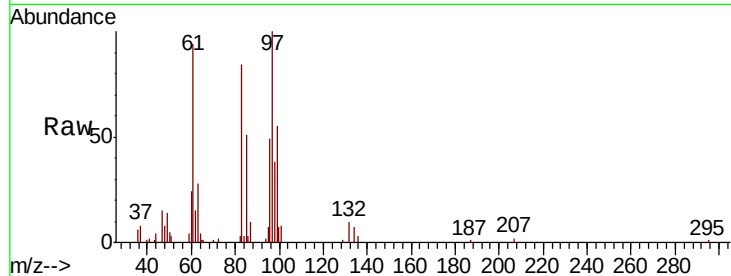
ClientSampleId :

VF0807SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		26887		
83	83.8	64.4	96.6		
85	51.1	43.1	64.7		
99	54.5	52.7	79.1		

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#56

Ethyl methacrylate

Concen: 19.83 ug/l

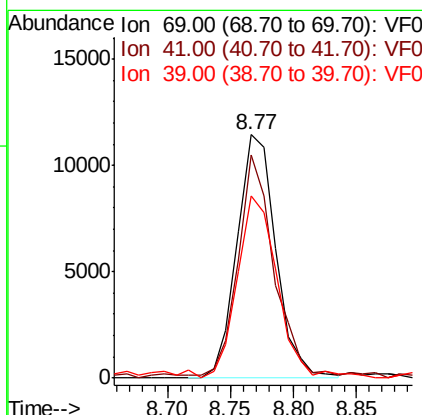
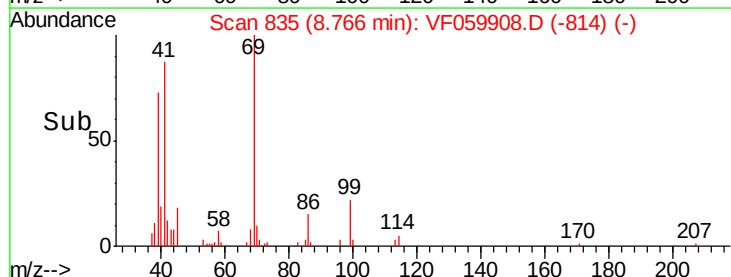
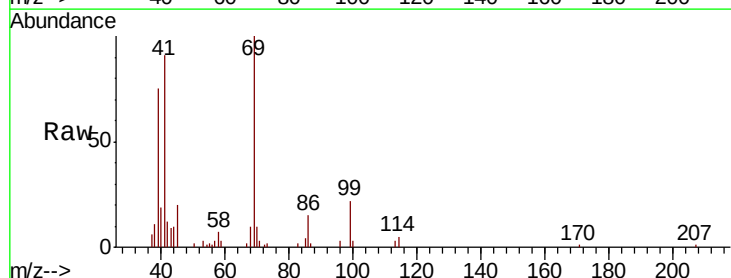
RT: 8.77 min Scan# 835

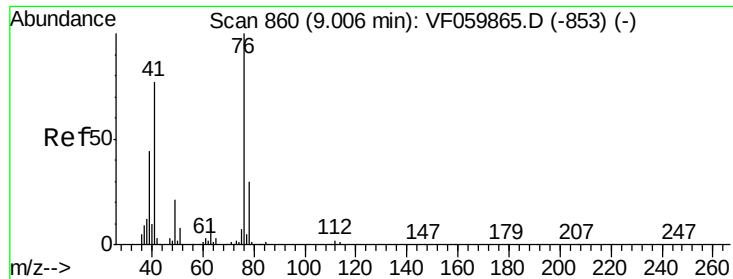
Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		24488		
41	91.5	74.7	112.1		
39	75.0	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 21.63 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion: 76 Resp: 46968

Ion Ratio Lower Upper

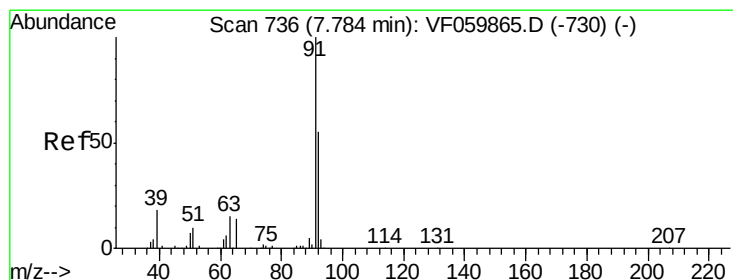
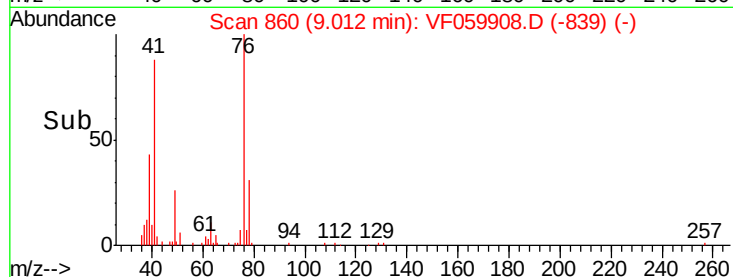
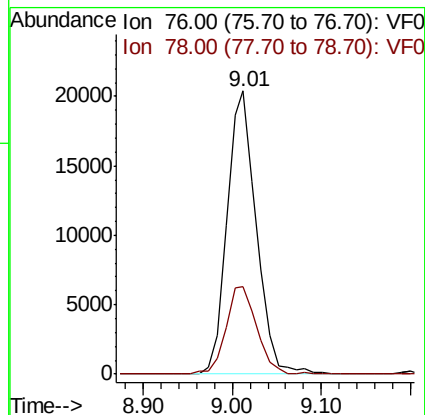
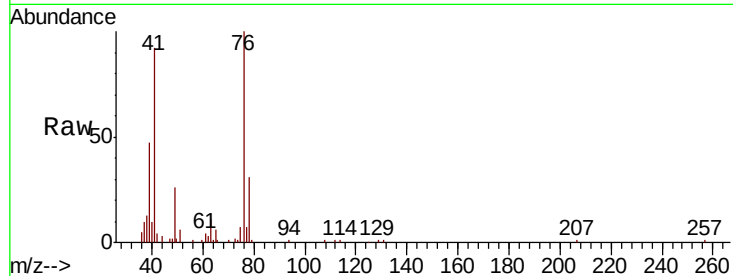
76 100

78 31.1 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 114.12 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059908.D

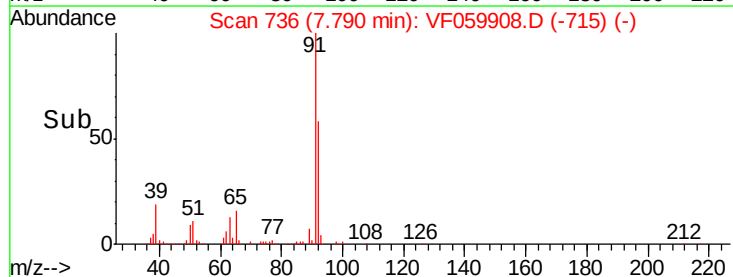
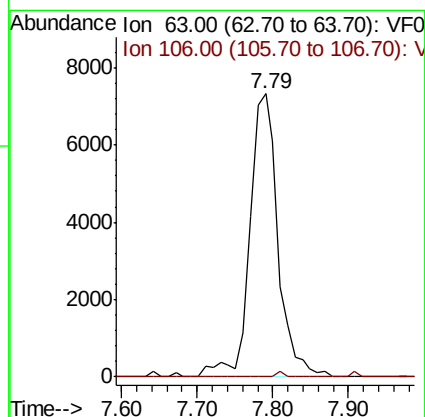
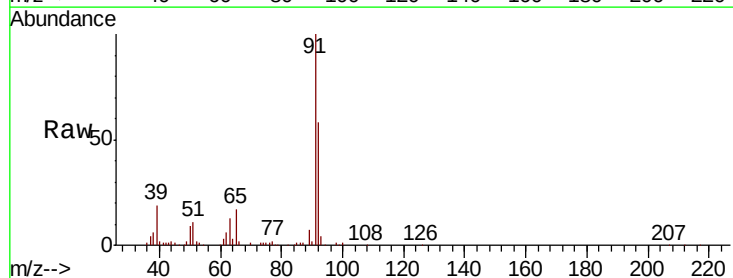
Acq: 7 Aug 2018 8:03

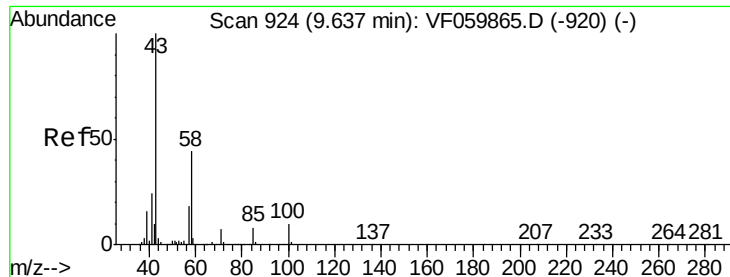
Tgt Ion: 63 Resp: 19093

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





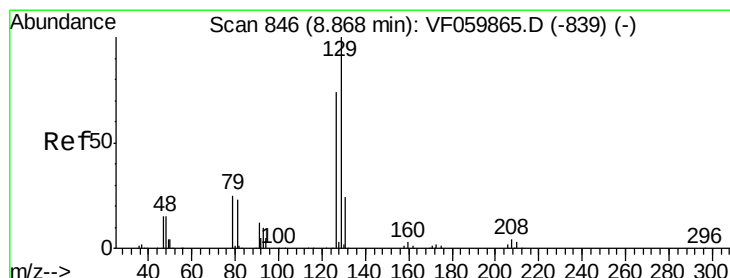
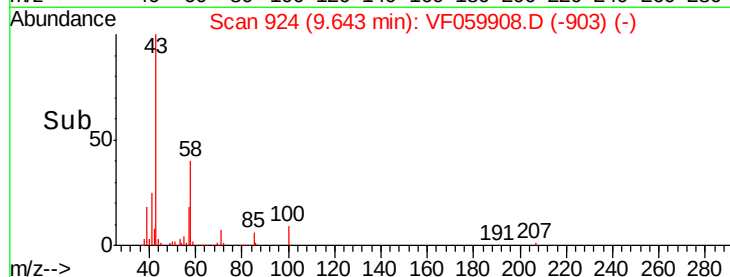
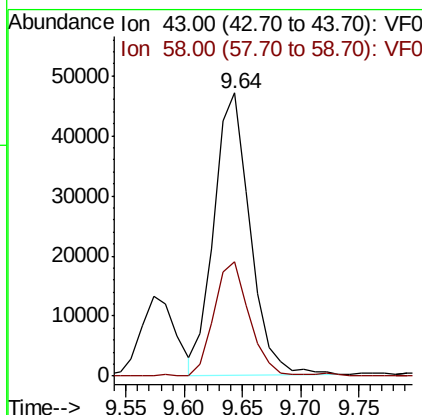
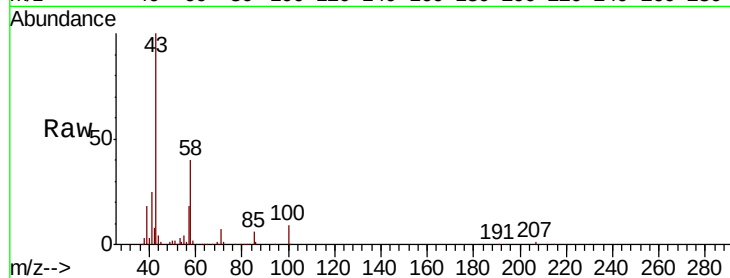
#59
2-Hexanone
Concen: 113.54 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	20.8	62.2

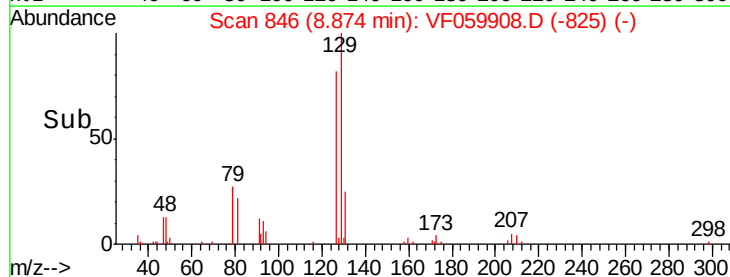
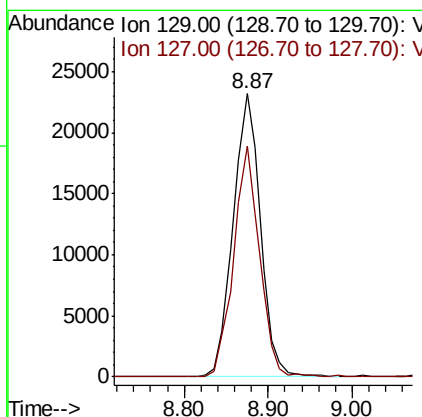
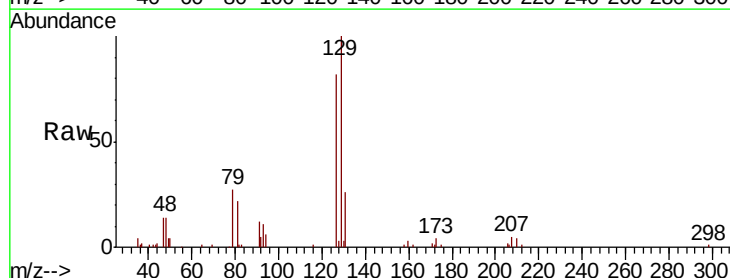
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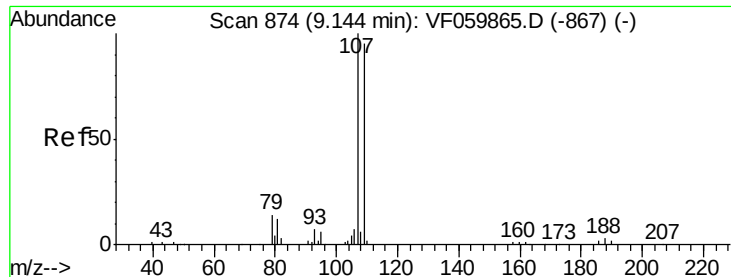
apatel
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#60
Dibromochloromethane
Concen: 22.12 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.7	36.9	110.7





#61

1,2-Dibromoethane

Concen: 22.62 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion: 107 Resp: 34858

Ion Ratio Lower Upper

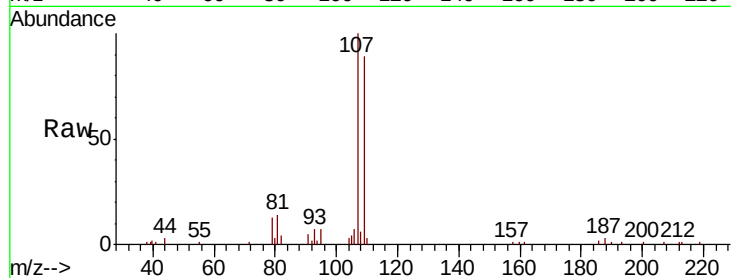
107 100

109 88.9 75.8 113.8

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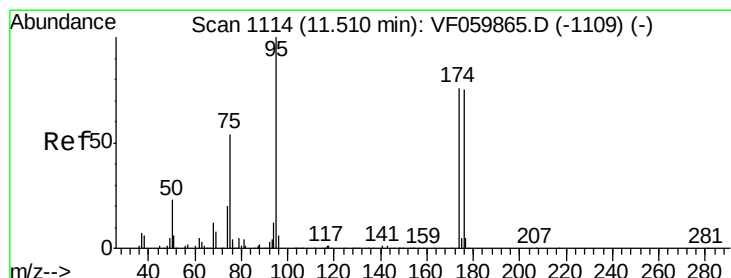
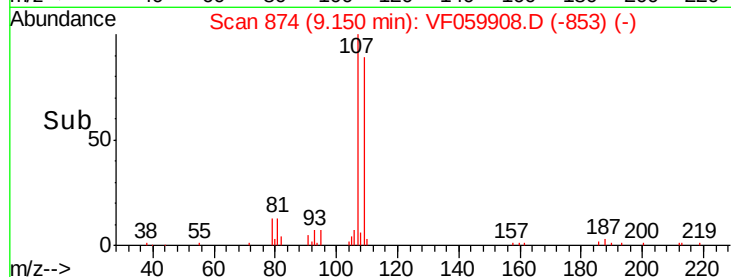
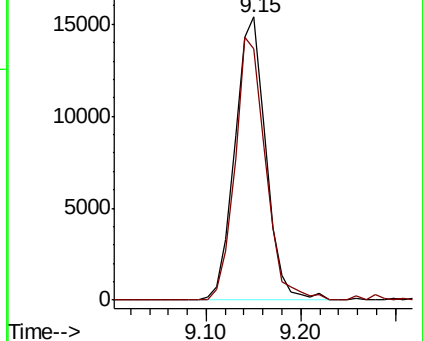
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 58.62 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

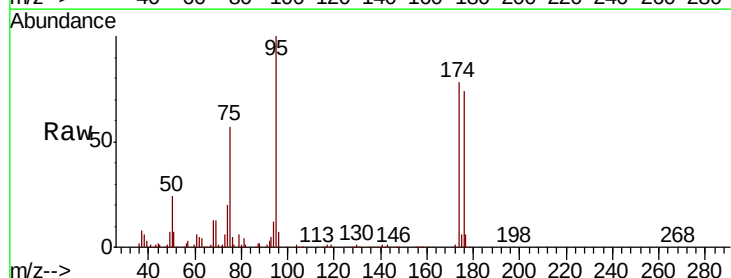
Tgt Ion: 95 Resp: 167678

Ion Ratio Lower Upper

95 100

174 77.7 0.0 151.6

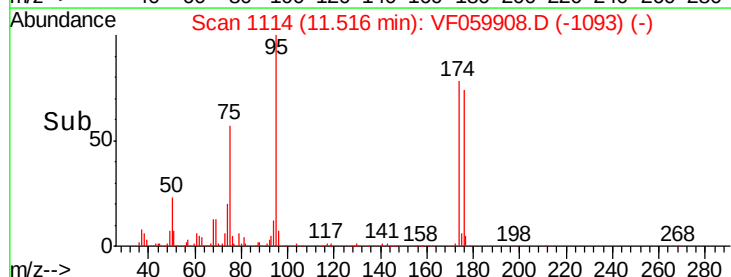
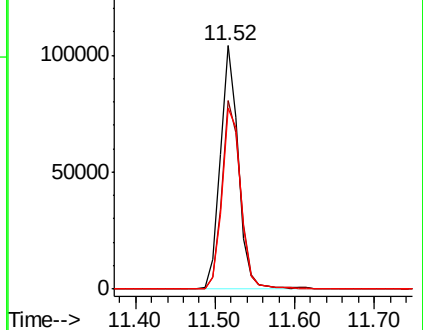
176 74.4 0.0 149.8

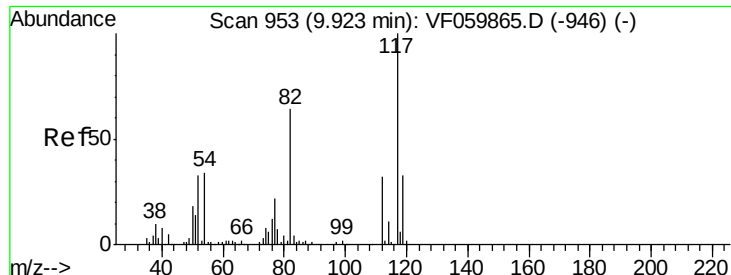


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





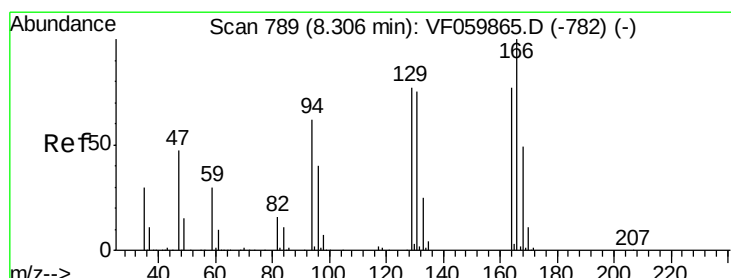
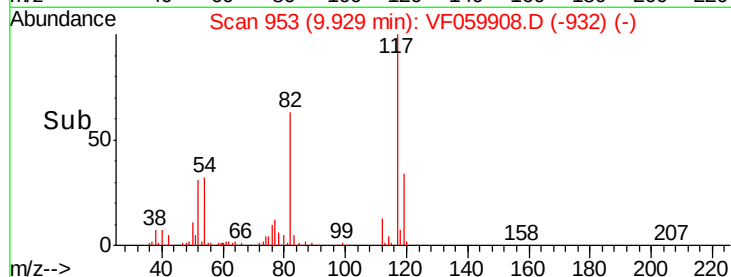
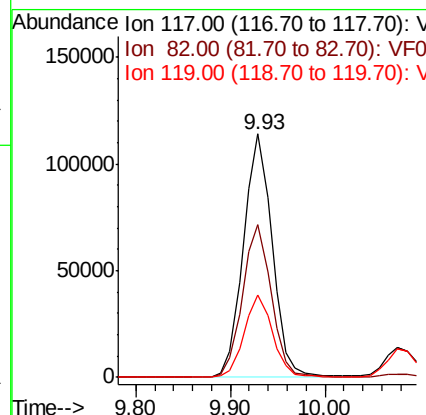
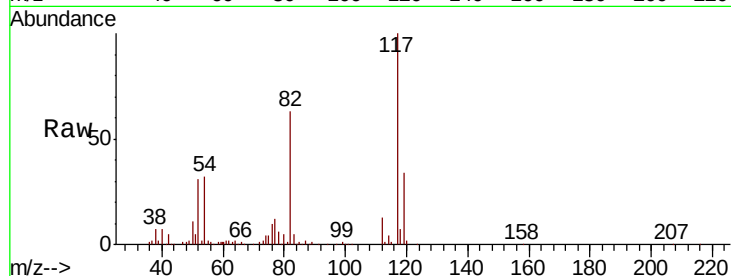
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240904		
82	62.9	51.3	76.9	
119	33.6	26.4	39.6	

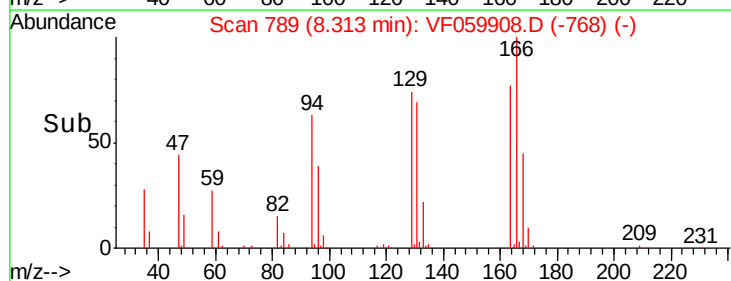
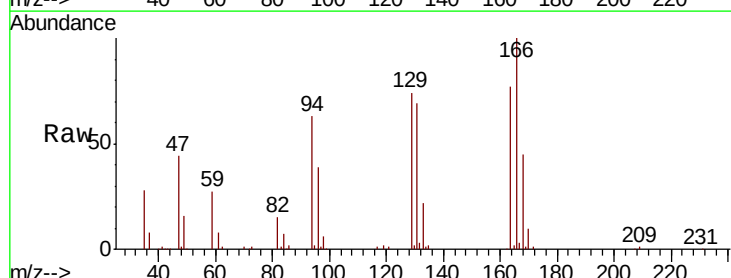
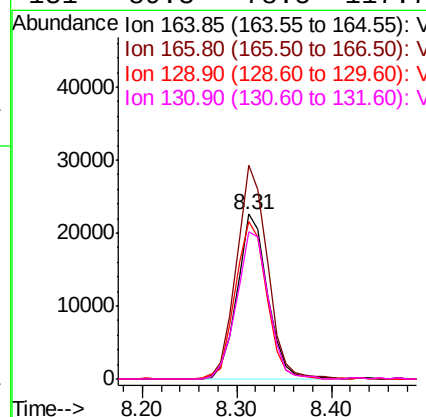
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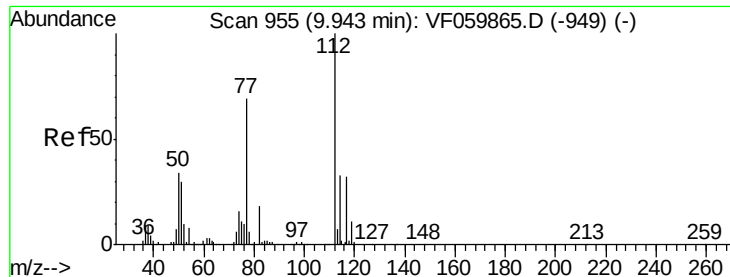
apatel
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#64
Tetrachloroethene
Concen: 24.14 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50165		
166	129.4	104.4	156.6	
129	95.3	80.3	120.5	
131	89.3	78.5	117.7	





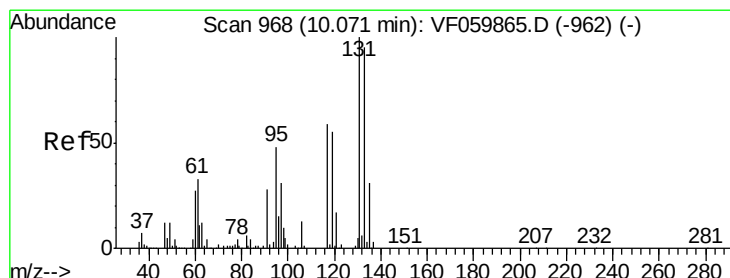
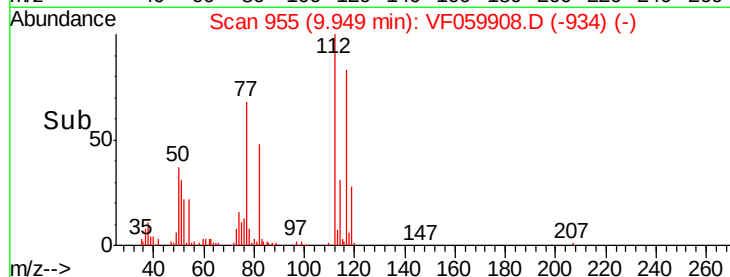
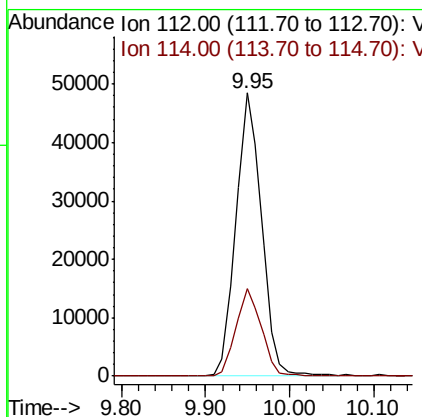
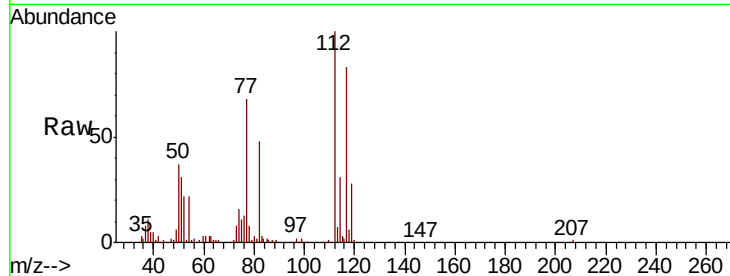
#65
Chlorobenzene
Concen: 21.04 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.4	39.6

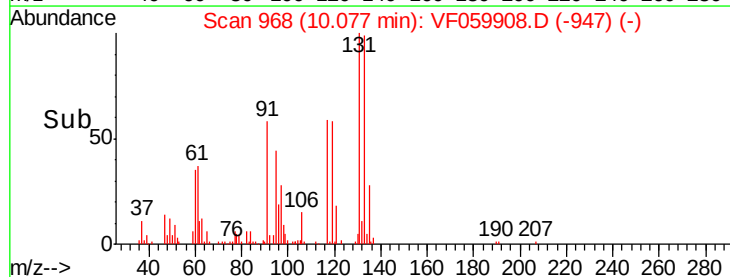
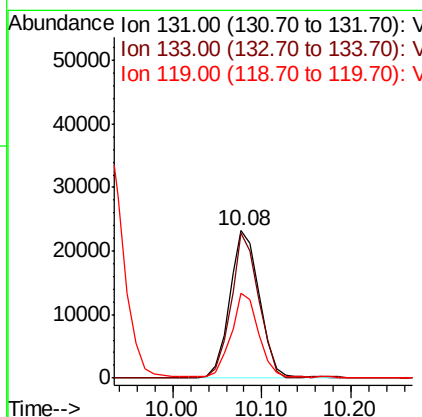
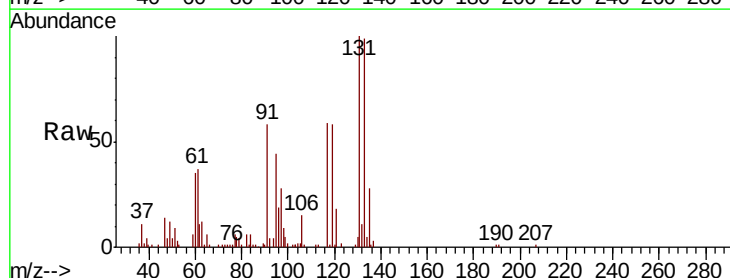
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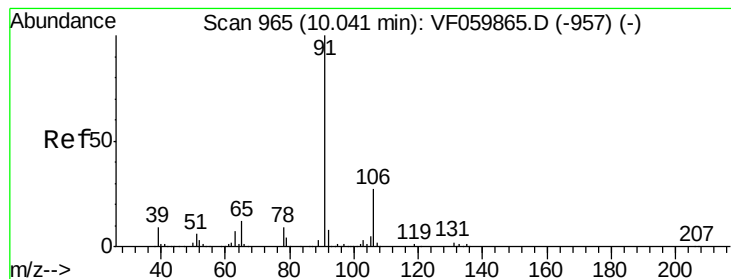
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.28 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.8	47.4	142.2
119	57.5	27.7	83.1





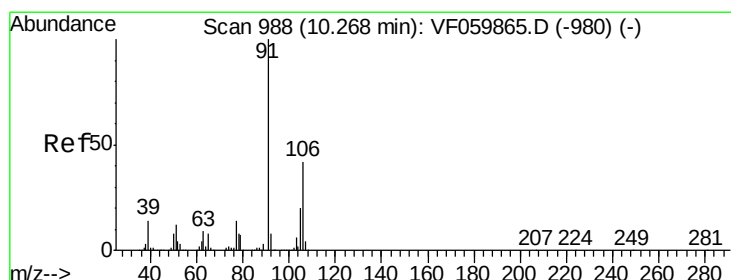
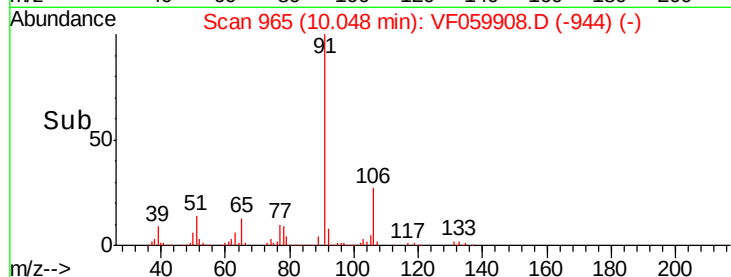
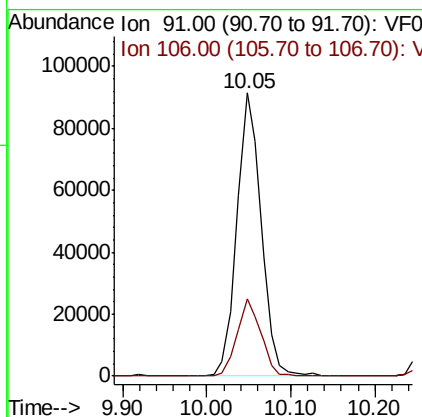
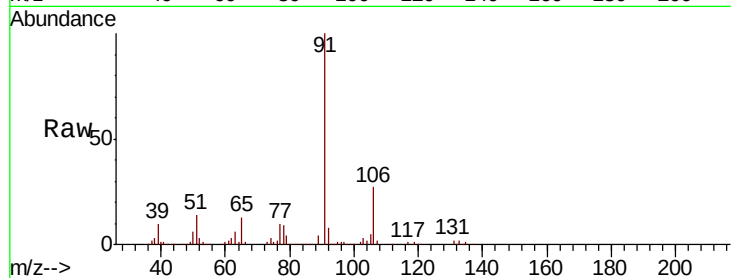
#67
Ethyl Benzene
Concen: 21.62 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		184206		
106	27.1		21.5	32.3	

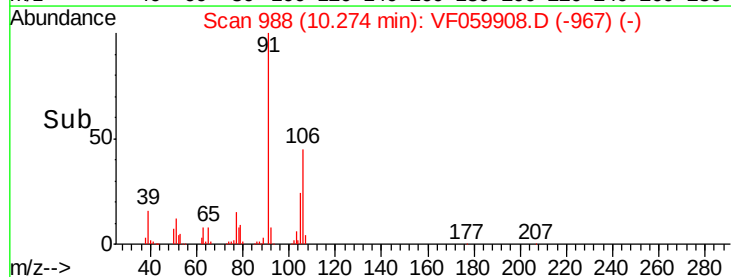
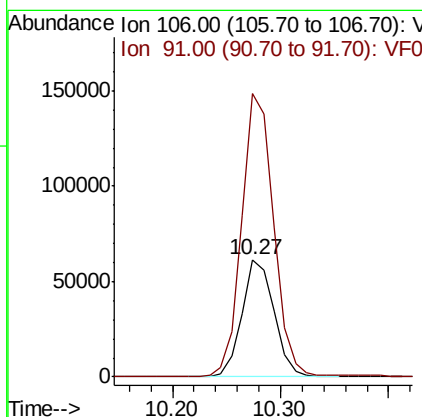
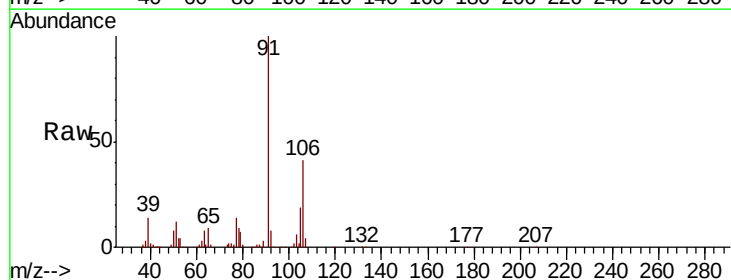
Manual Integrations
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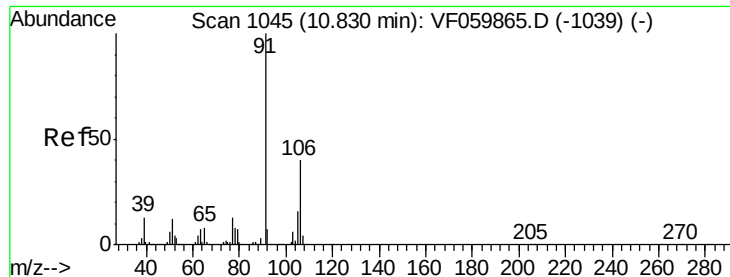
apatel
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#68
m/p-Xylenes
Concen: 43.23 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		127291		
91	241.7		192.1	288.1	





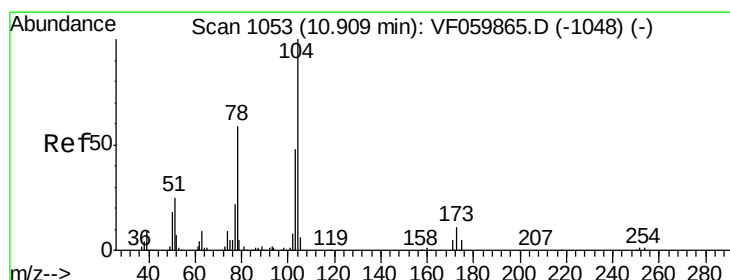
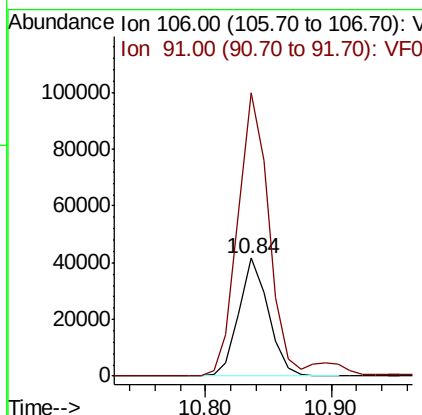
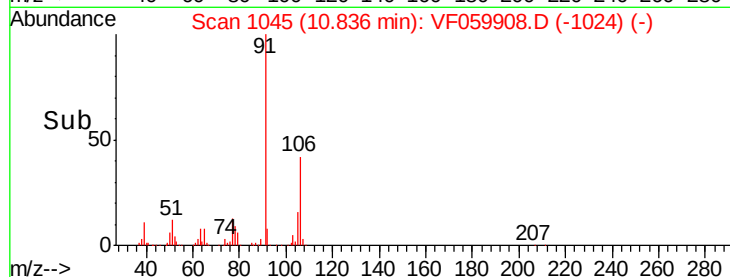
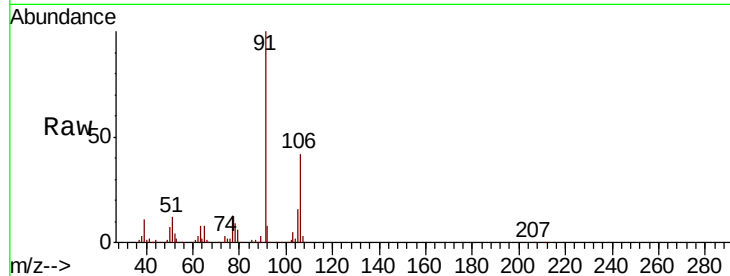
#69
o-Xylene
Concen: 21.77 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampled :
VF0807SBS01

Tot Ion:106 Resp: 67923
Ion Ratio Lower Upper
106 100
91 239.7 125.4 376.2

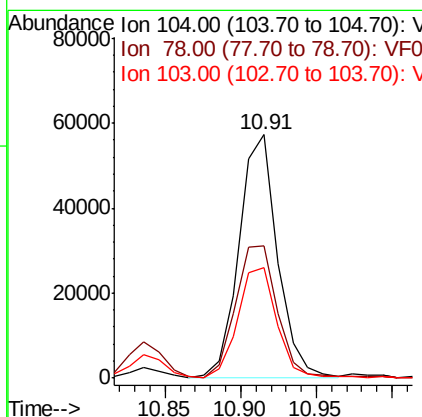
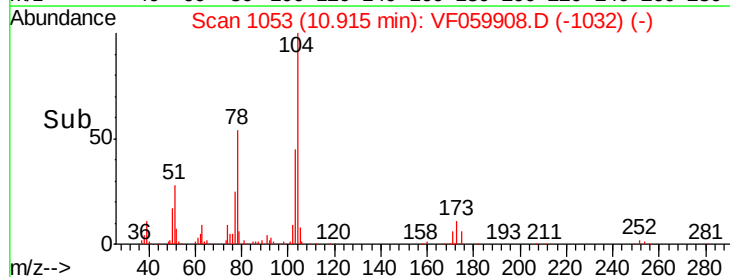
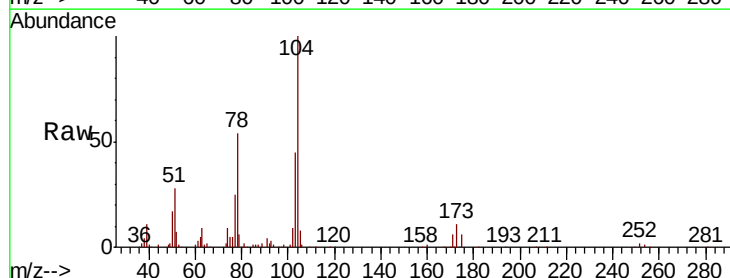
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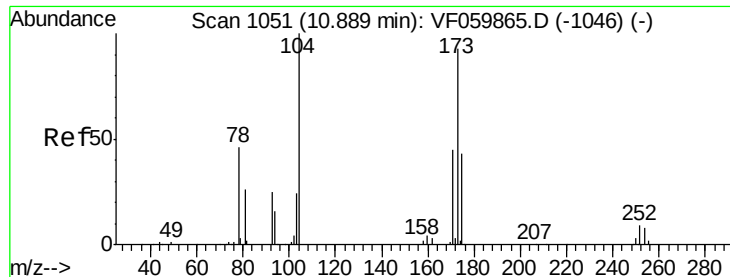
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#70
Styrene
Concen: 21.58 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion:104 Resp: 100479
Ion Ratio Lower Upper
104 100
78 54.4 47.3 70.9
103 45.2 39.0 58.4





#71

Bromoform

Concen: 22.31 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

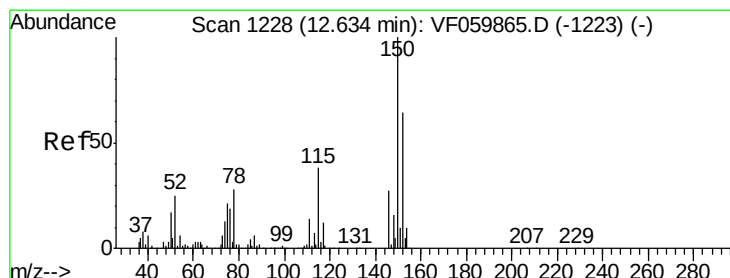
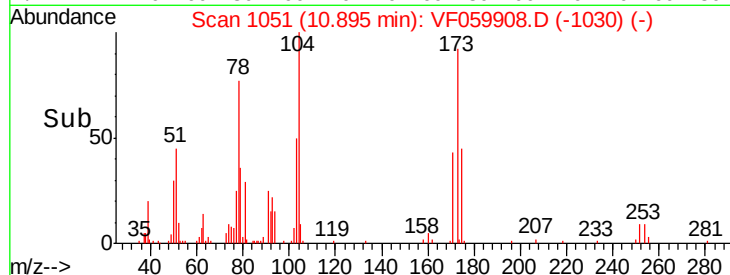
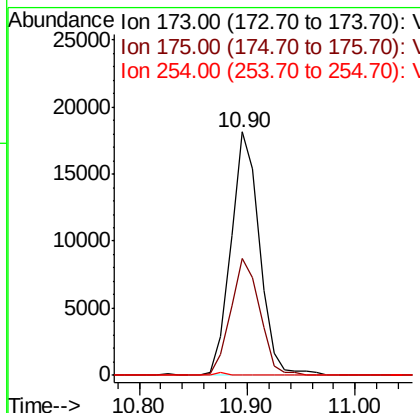
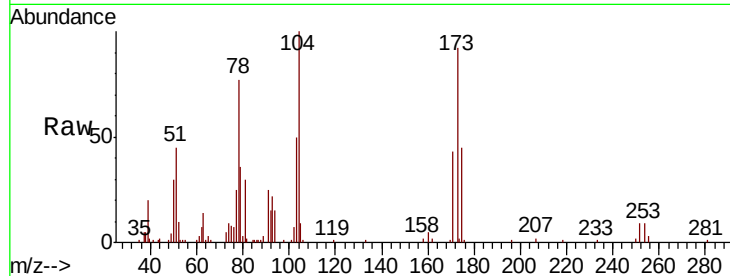
ClientSampleId :

VF0807SBS01

Tot Ion:	173	Resp:	33261
Ion Ratio	Lower	Upper	
173	100		
175	47.9	23.4	70.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

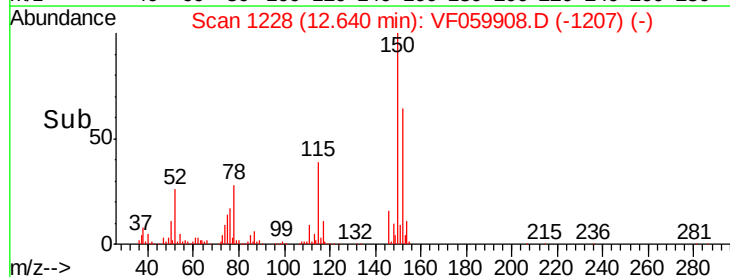
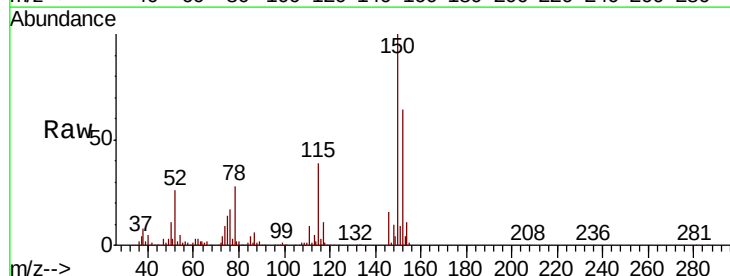
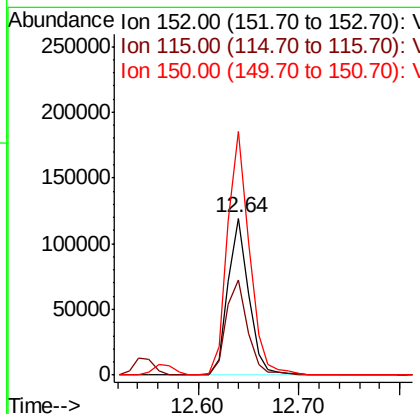
RT: 12.64 min Scan# 1228

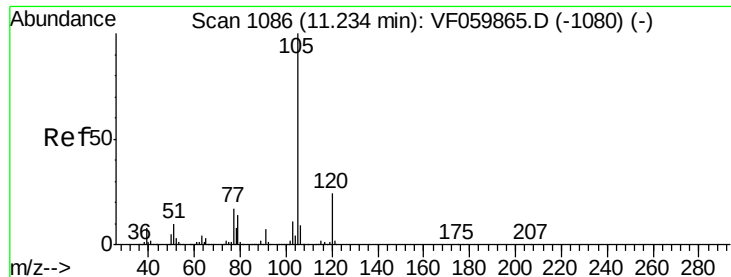
Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion:	152	Resp:	172523
Ion Ratio	Lower	Upper	
152	100		
115	61.0	29.8	89.4
150	155.1	0.0	315.6





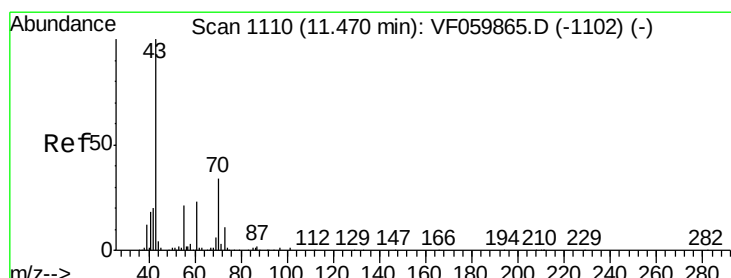
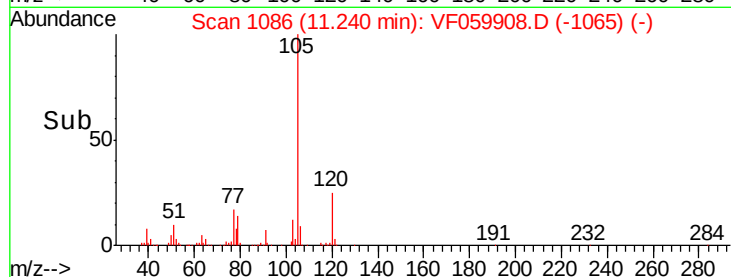
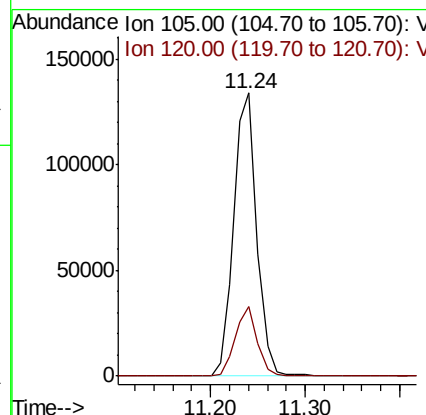
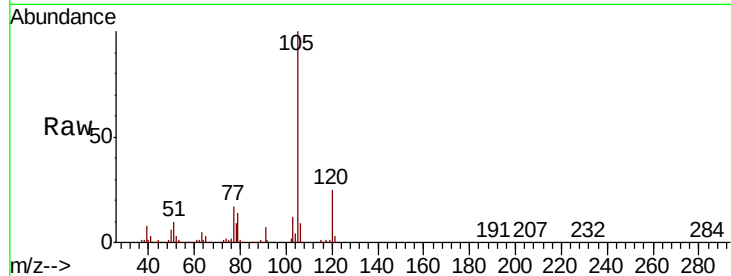
#73
Isopropylbenzene
Concen: 21.05 ug/l
RT: 11.24 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.1	36.3

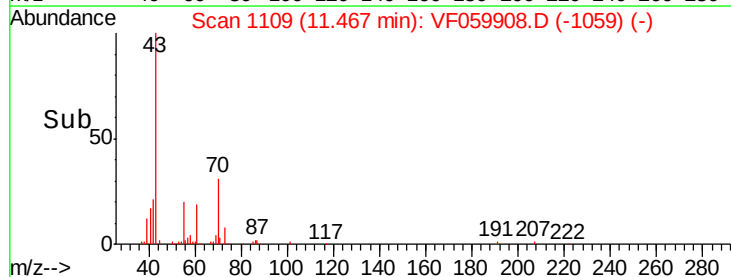
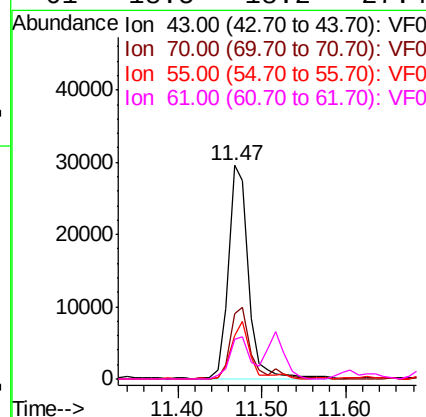
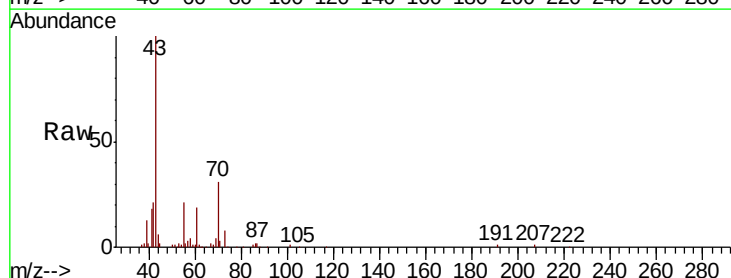
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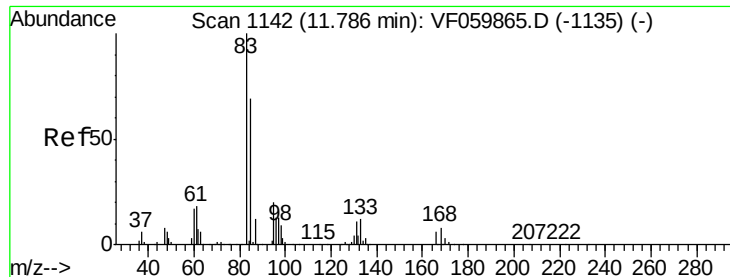
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#74
N-ethyl acetate
Concen: 20.43 ug/l
RT: 11.47 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	30.8	27.5	41.3
55	20.6	16.6	25.0
61	18.5	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.90 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

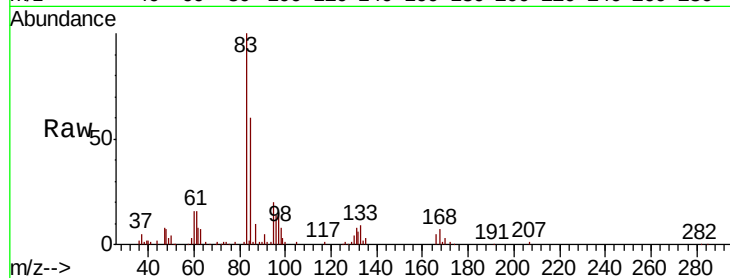
ClientSampleId :

VF0807SBS01

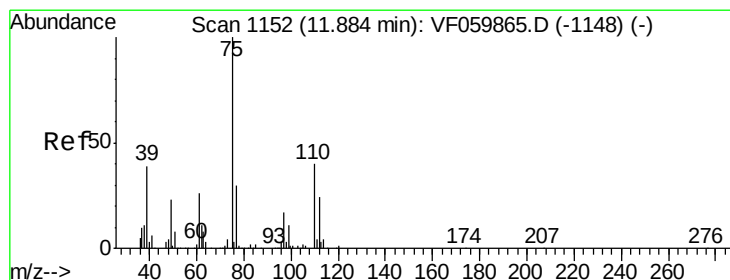
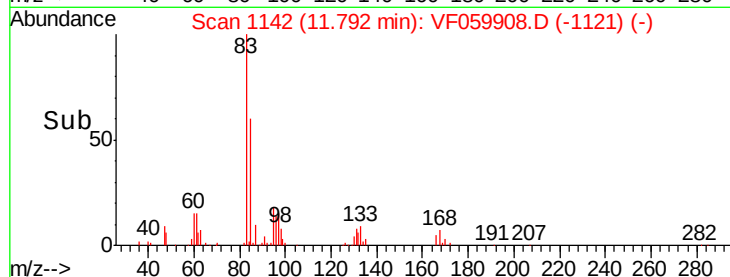
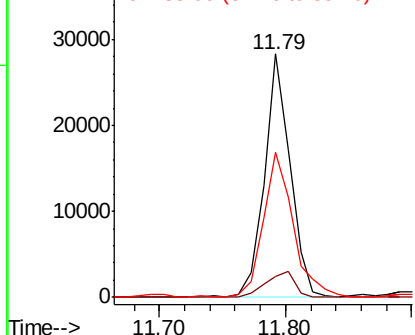
Tot Ion:	83	Resp:	40158
Ion Ratio	Lower	Upper	
83	100		
131	8.5	5.3	15.9
85	59.6	34.5	103.5

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



#76

1,2,3-Trichloropropane

Concen: 22.61 ug/l

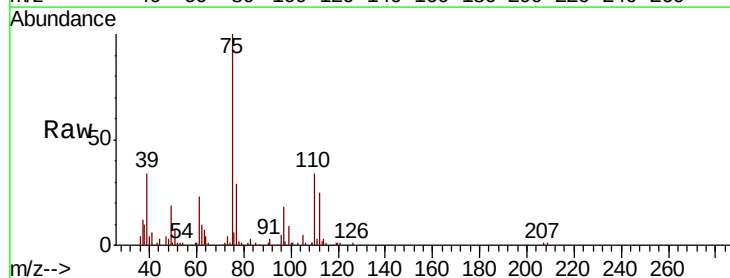
RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

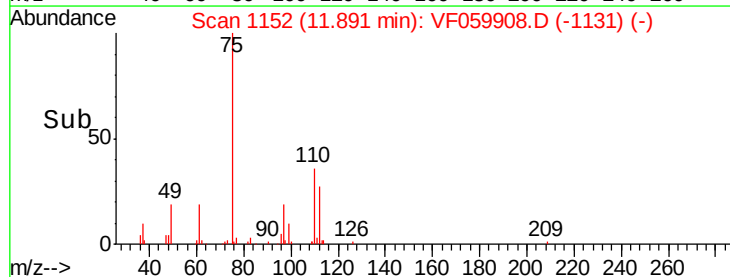
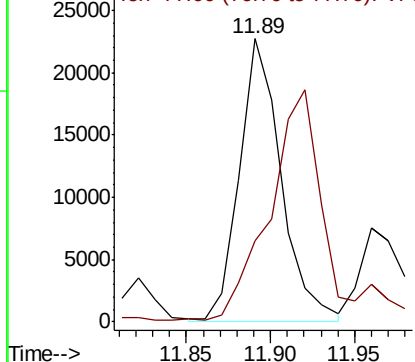
Lab File: VF059908.D

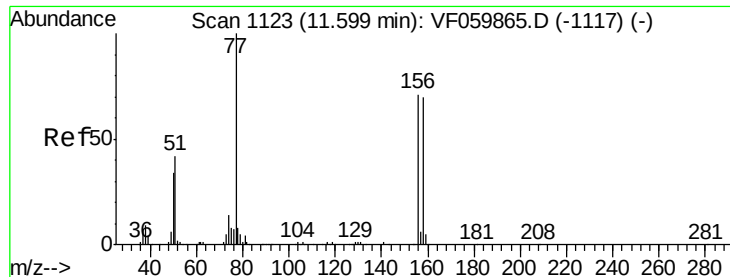
Acq: 7 Aug 2018 8:03

Tgt Ion:	75	Resp:	39185
Ion Ratio	Lower	Upper	
75	100		
77	28.7	15.4	46.2



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





#77

Bromobenzene

Concen: 20.36 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion:156 Resp: 59492

Ion Ratio Lower Upper

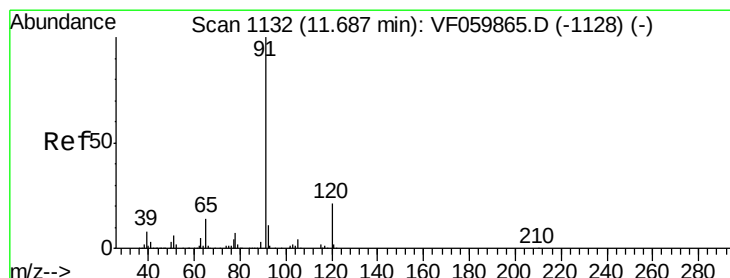
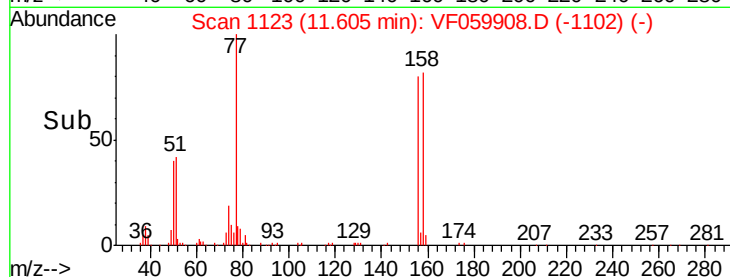
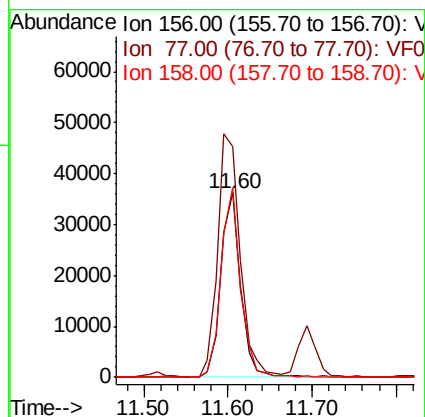
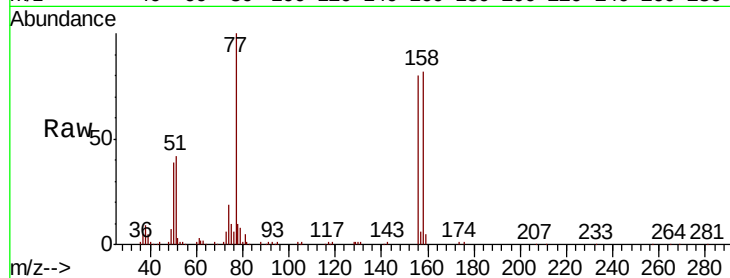
156 100

77 125.3 70.2 210.6

158 102.9 49.2 147.6

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#78

n-propylbenzene

Concen: 21.15 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059908.D

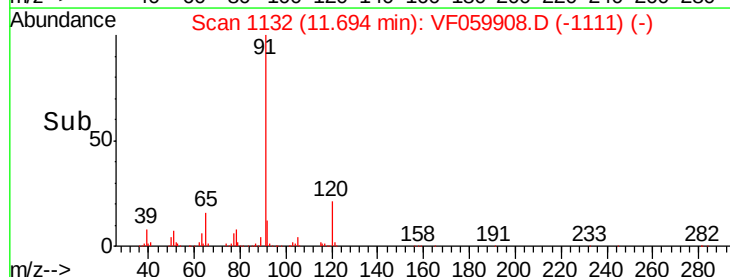
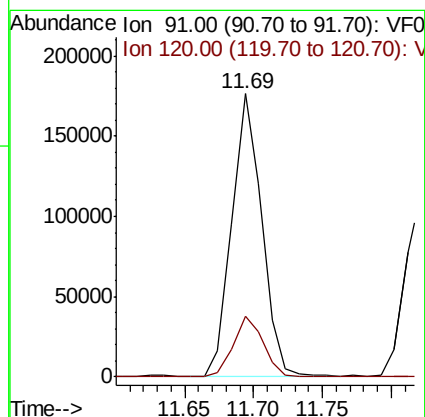
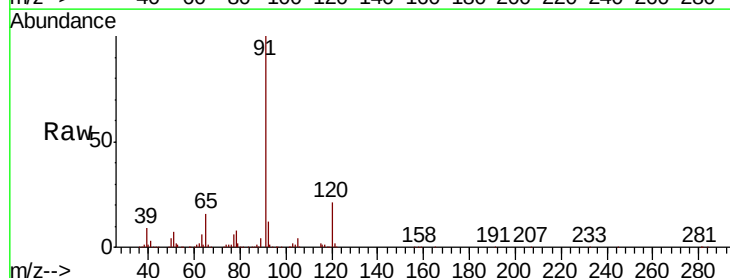
Acq: 7 Aug 2018 8:03

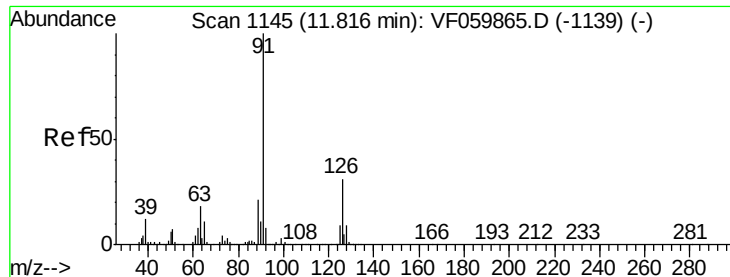
Tgt Ion: 91 Resp: 268348

Ion Ratio Lower Upper

91 100

120 21.3 10.4 31.2





#79

2-Chlorotoluene

Concen: 20.94 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tot Ion: 91 Resp: 168131

Ion Ratio Lower Upper

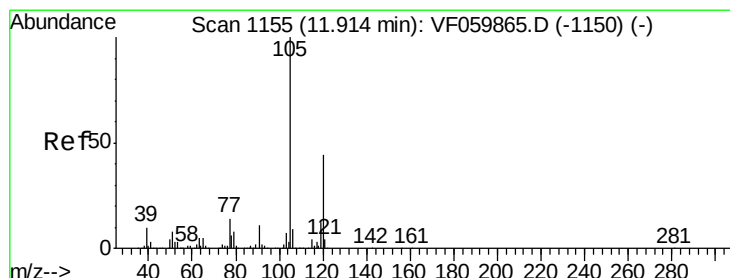
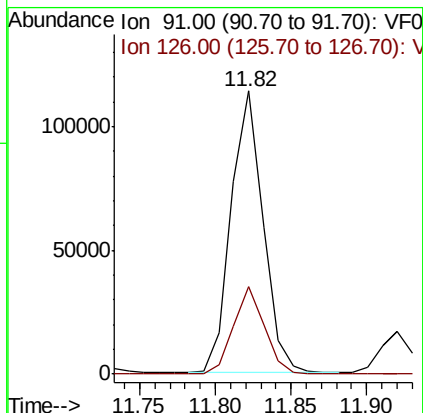
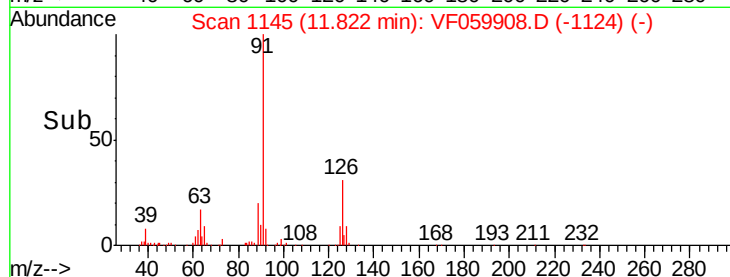
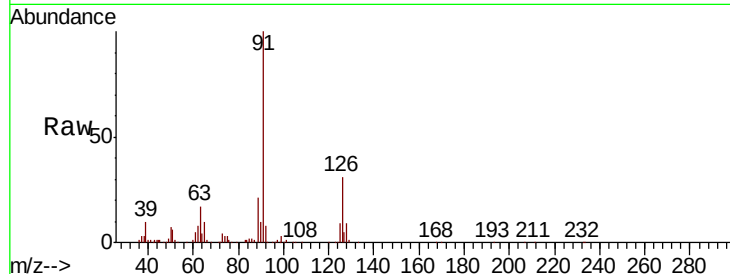
91 100

126 30.7 15.6 46.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.12 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059908.D

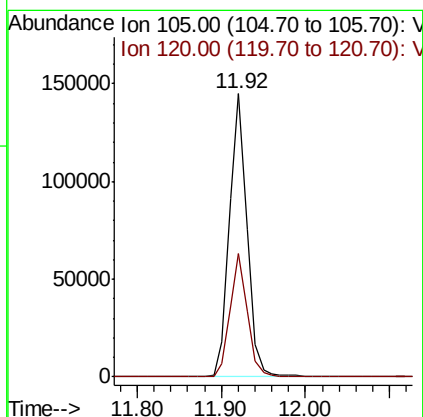
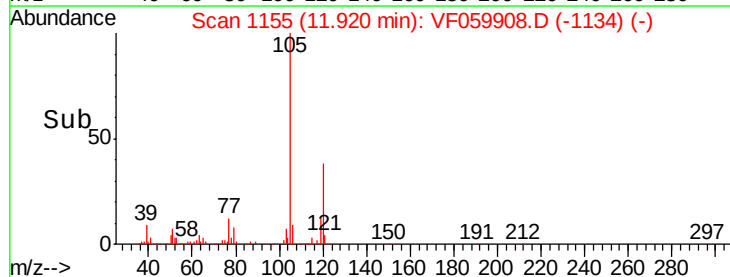
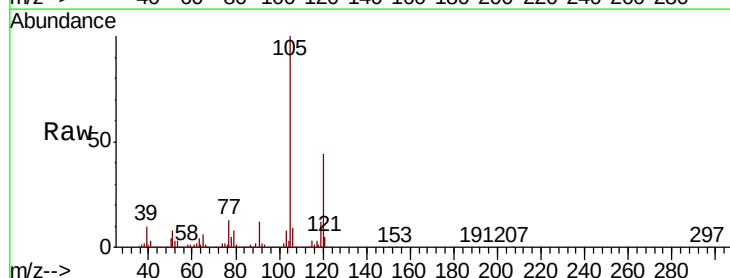
Acq: 7 Aug 2018 8:03

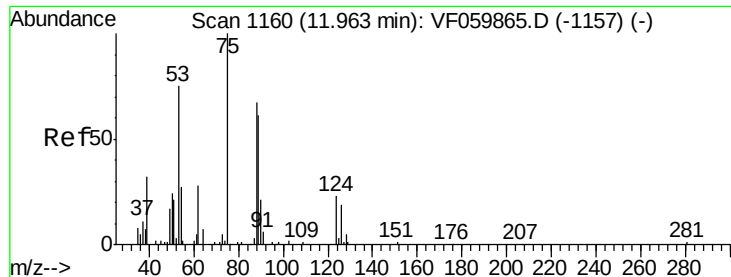
Tgt Ion:105 Resp: 210694

Ion Ratio Lower Upper

105 100

120 43.8 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.35 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Instrument :

MSVOA_F

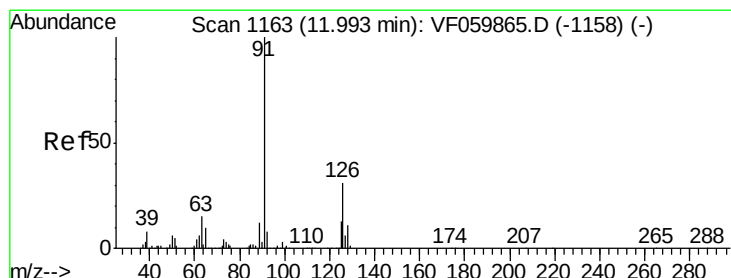
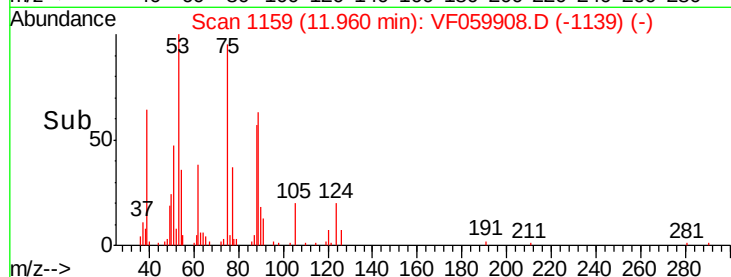
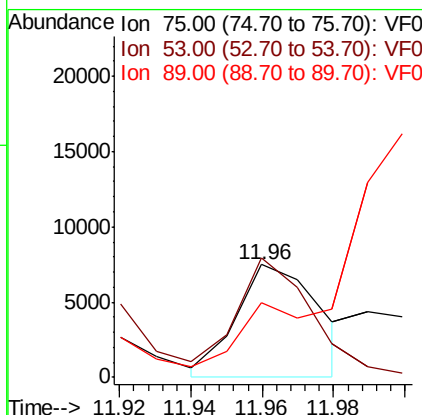
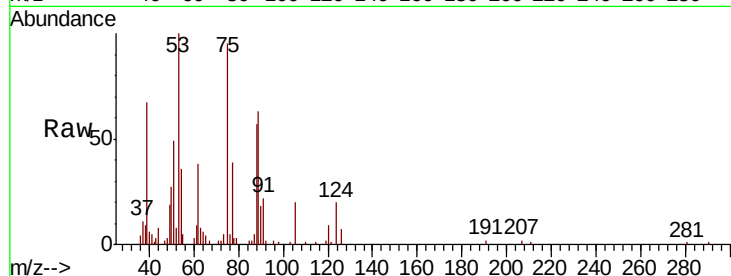
ClientSampleId :

VF0807SBS01

Tot Ion:	75	Resp:	12045
Ion Ratio	Lower	Upper	
75	100		
53	105.7	65.9	98.9#
89	66.6	50.6	76.0

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#82

4-Chlorotoluene

Concen: 20.76 ug/l

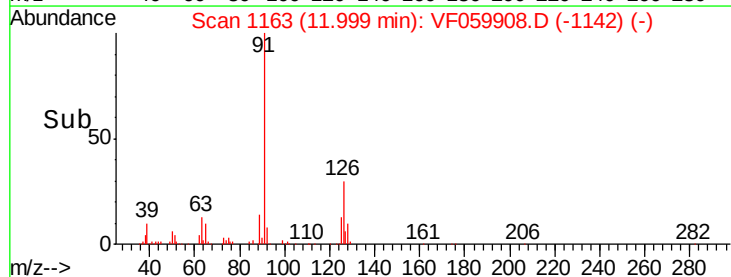
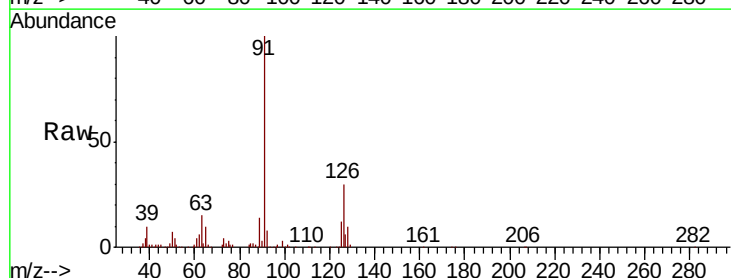
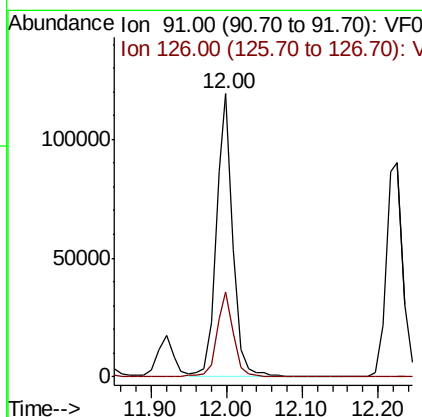
RT: 12.00 min Scan# 1163

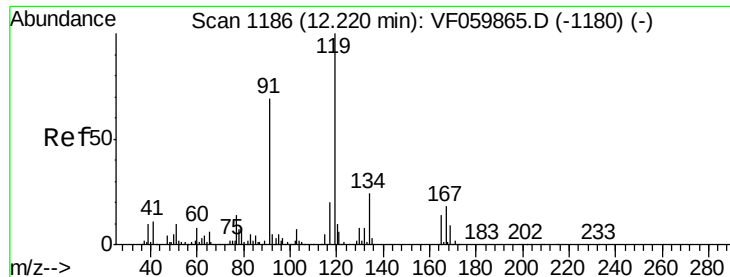
Delta R.T. 0.01 min

Lab File: VF059908.D

Acq: 7 Aug 2018 8:03

Tgt Ion:	91	Resp:	180977
Ion Ratio	Lower	Upper	
91	100		
126	30.1	15.7	47.0





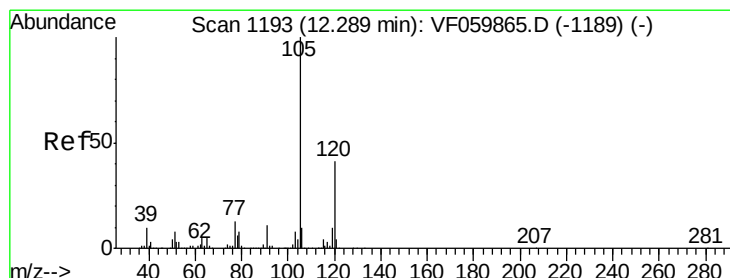
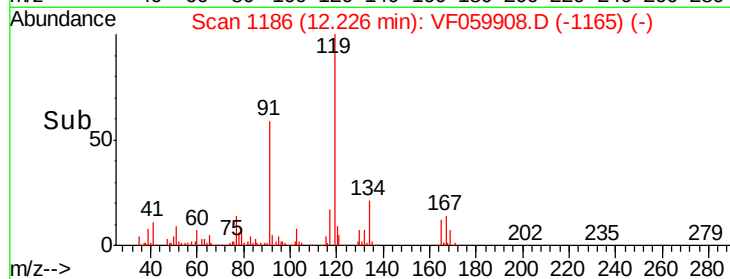
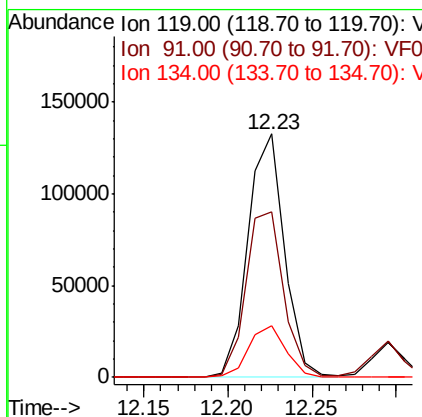
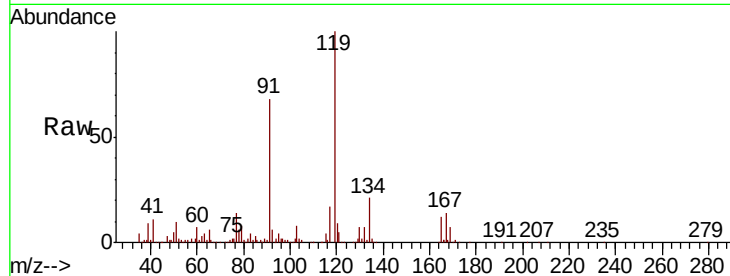
#83
 tert-Butylbenzene
 Concen: 20.52 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	199269		
91	68.0	34.4	103.2	
134	21.2	12.1	36.3	

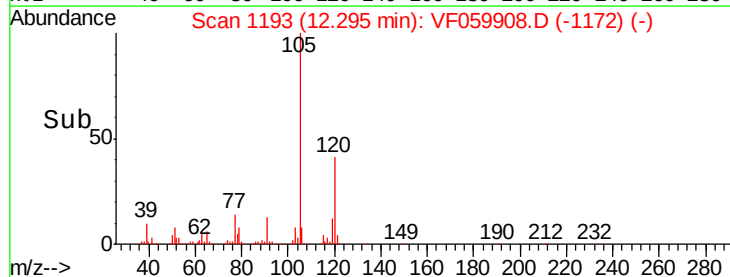
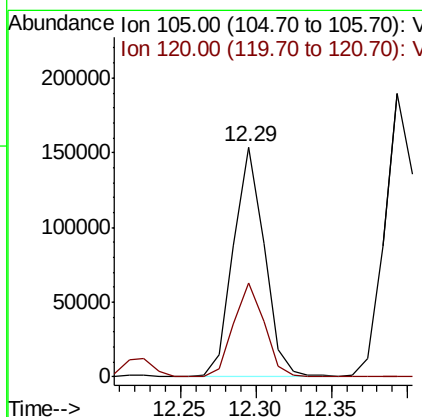
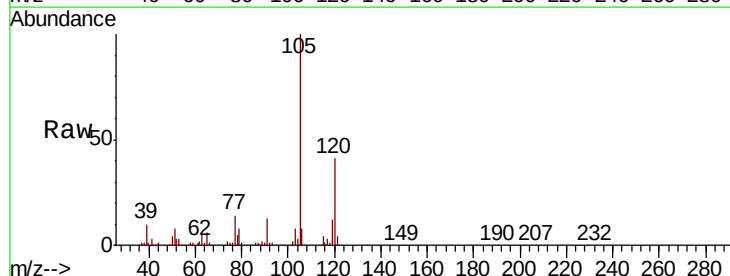
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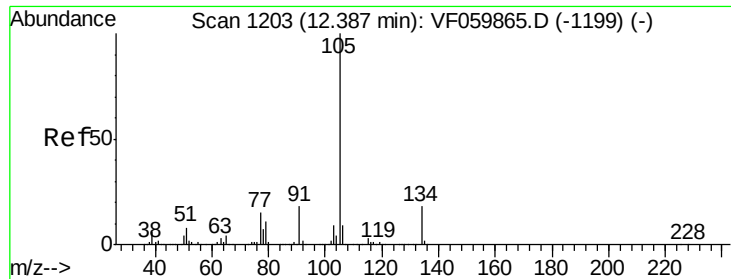
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.29 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	218447		
120	40.7	20.8	62.5	





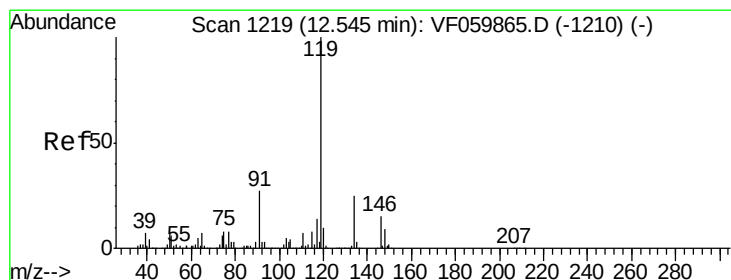
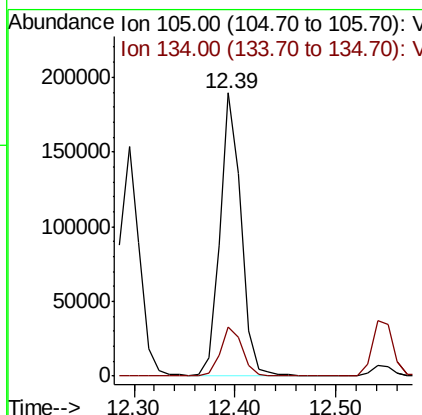
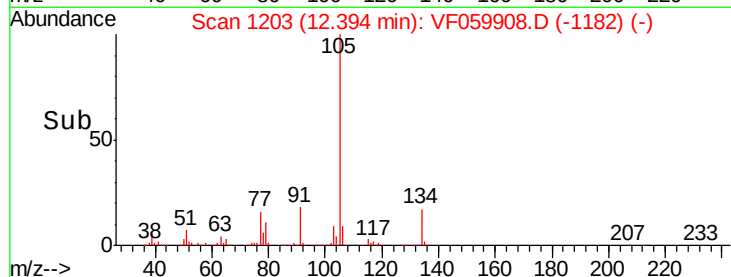
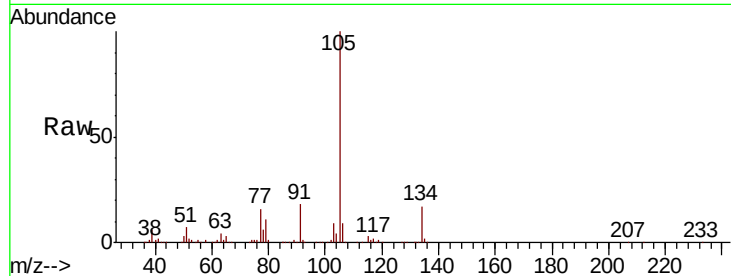
#85
 sec-Butylbenzene
 Concen: 21.27 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.5	9.1	27.3

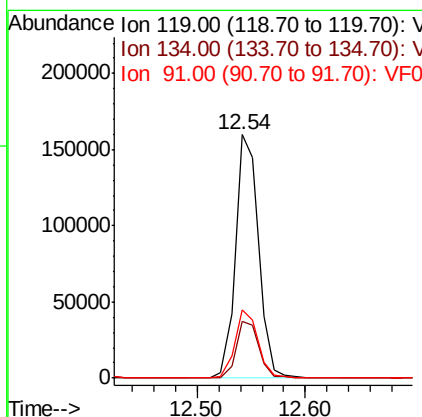
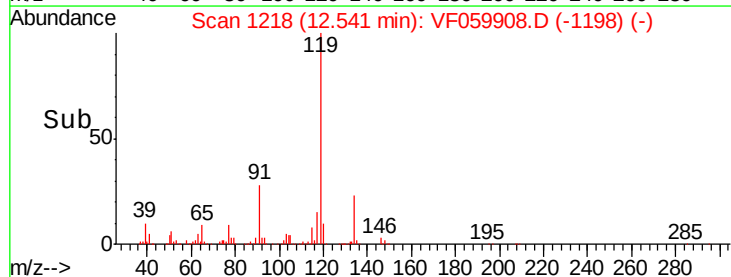
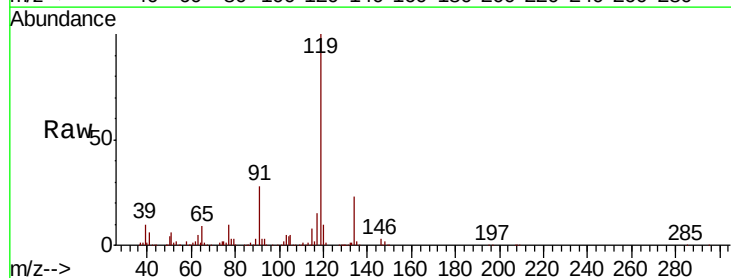
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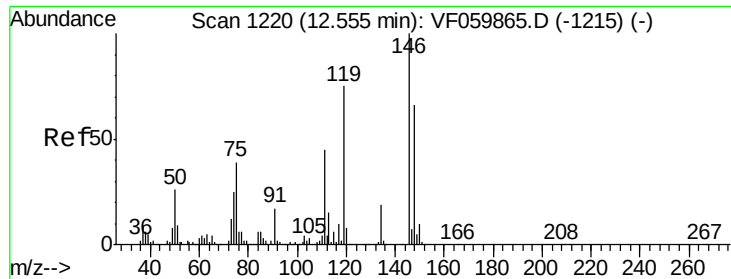
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#86
 p-Isopropyltoluene
 Concen: 21.88 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.1	12.4	37.0
91	28.0	13.6	40.7





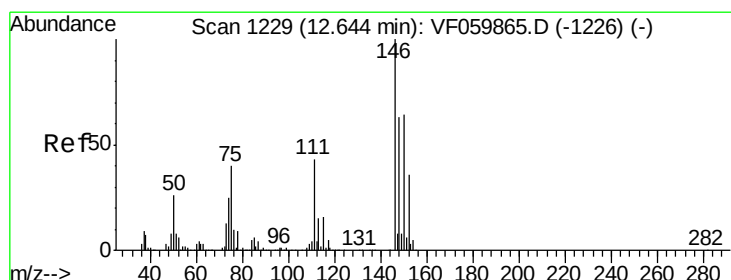
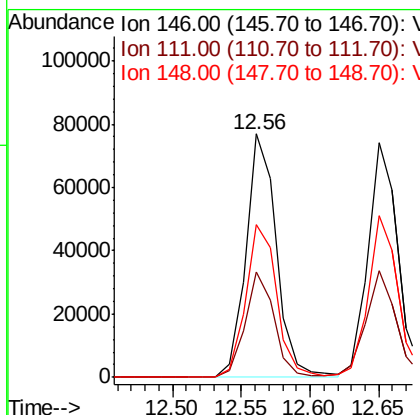
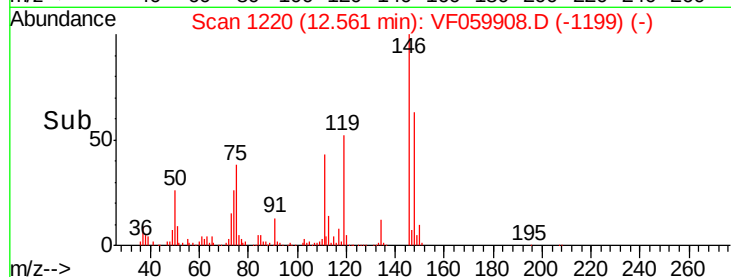
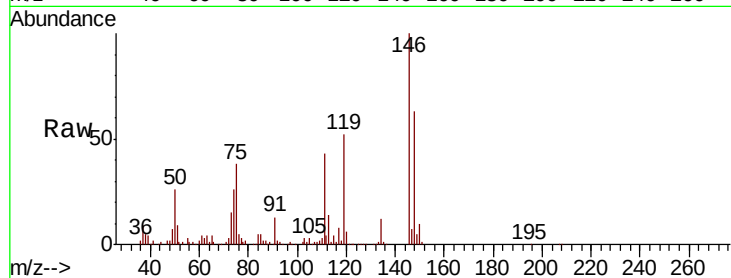
#87
 1,3-Dichlorobenzene
 Concen: 21.47 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118853		
111	43.3	22.4	67.0	
148	62.8	33.1	99.3	

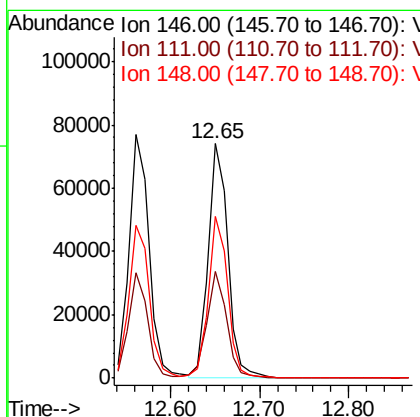
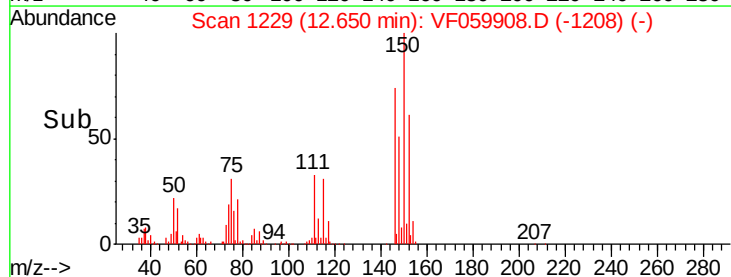
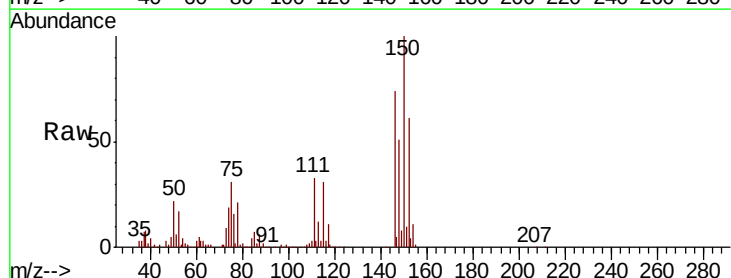
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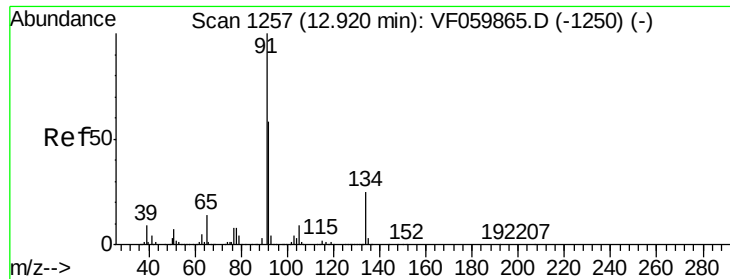
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#88
 1,4-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114062		
111	45.4	21.4	64.2	
148	69.0	31.6	94.7	





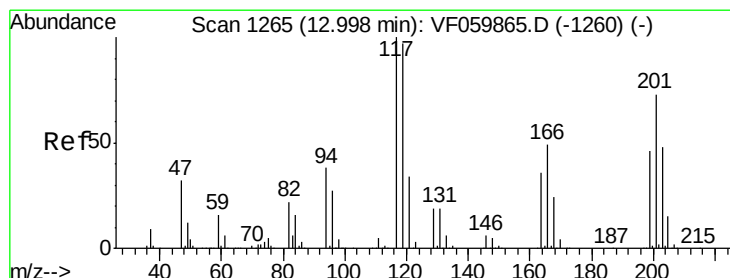
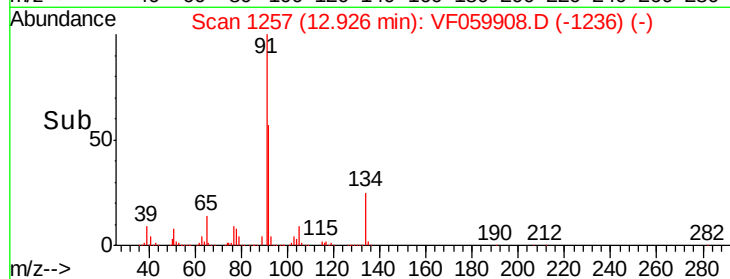
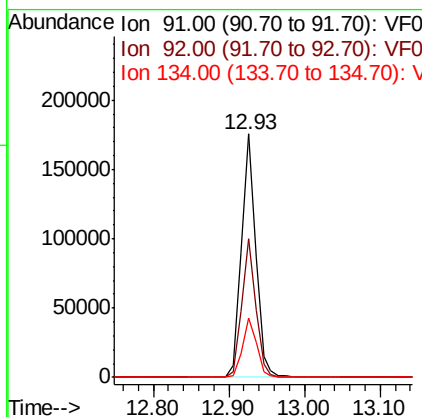
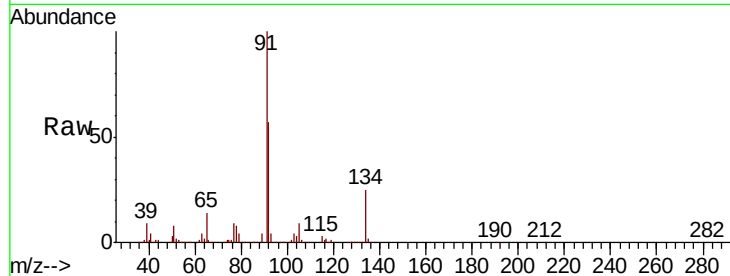
#89
n-Butylbenzene
Concen: 22.10 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.1	28.8	86.5
134	24.5	12.6	37.6

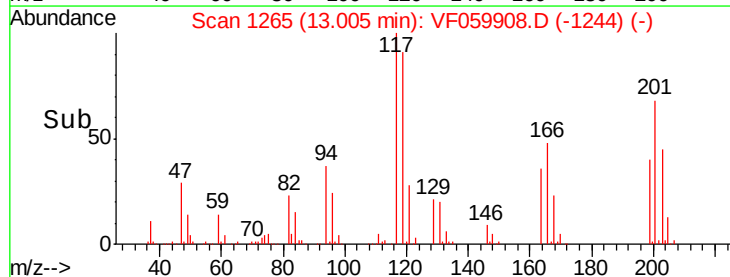
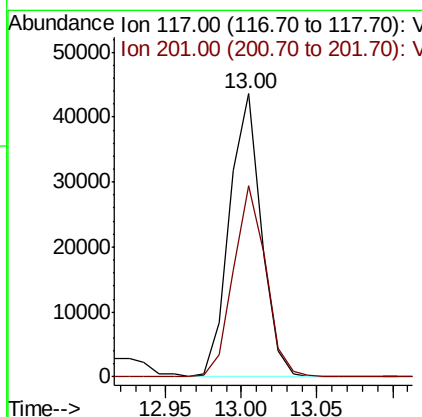
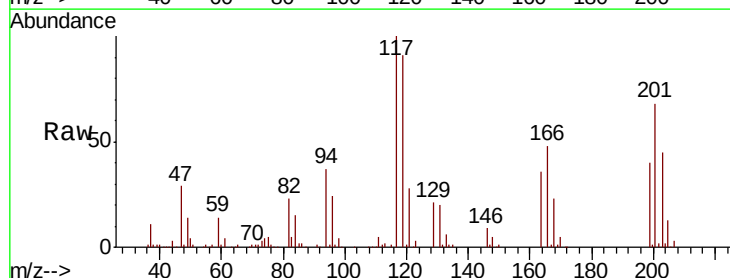
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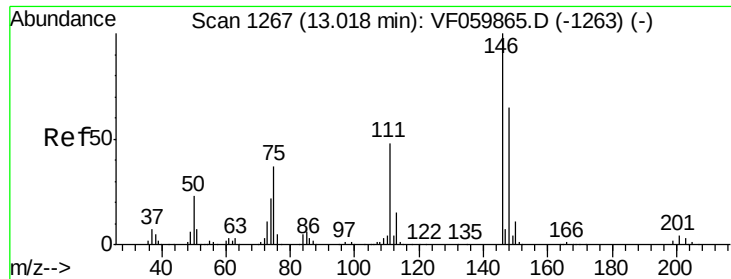
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#90
Hexachloroethane
Concen: 21.25 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	36.6	109.8





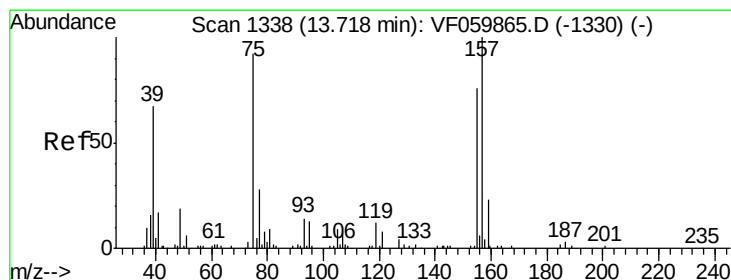
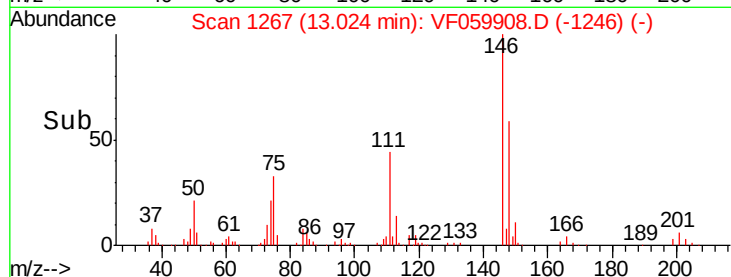
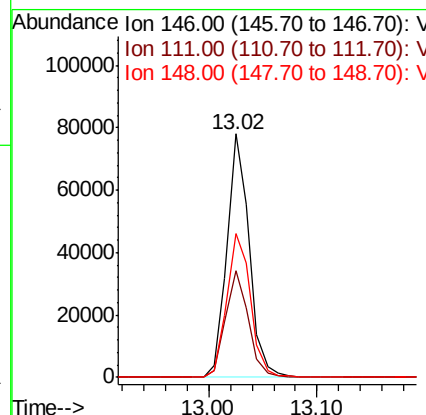
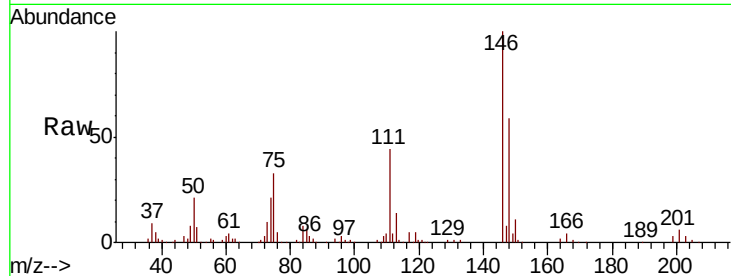
#91
 1,2-Dichlorobenzene
 Concen: 21.09 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	24.1	72.2
148	59.0	32.8	98.3

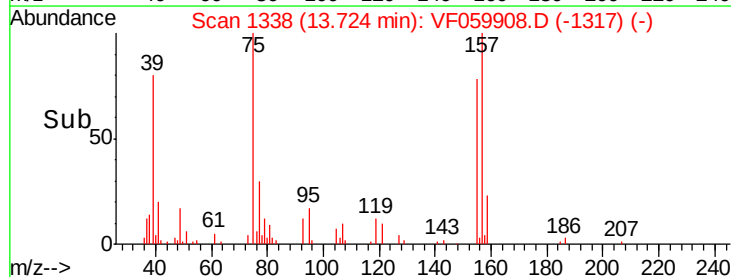
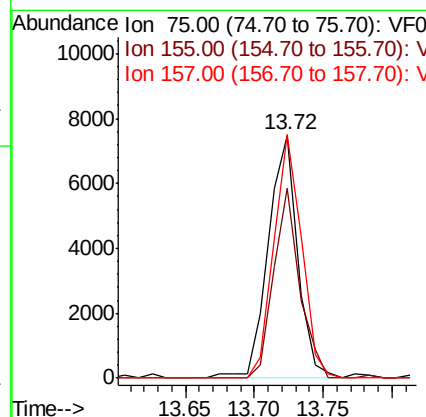
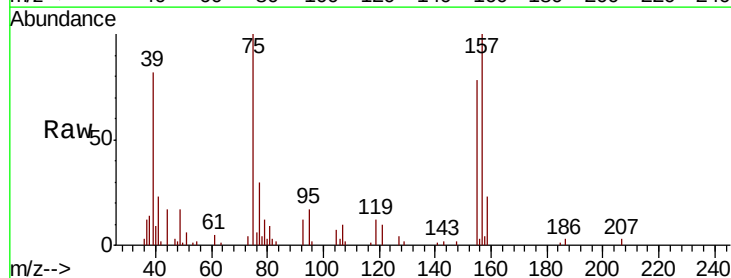
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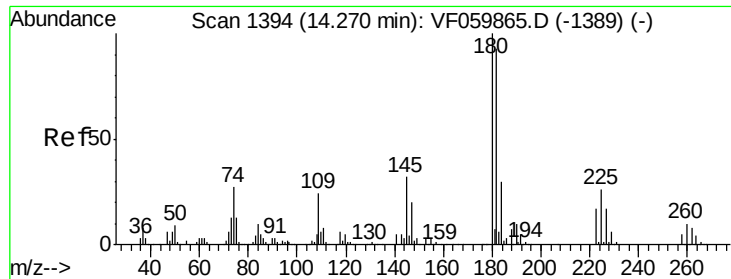
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.91 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	41.2	123.6
157	100.5	54.5	163.6





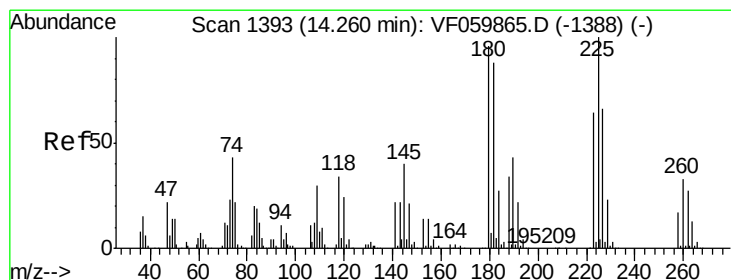
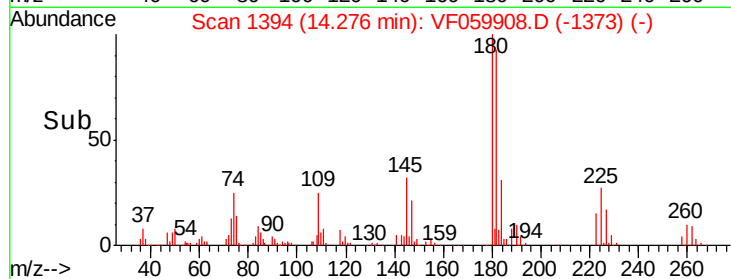
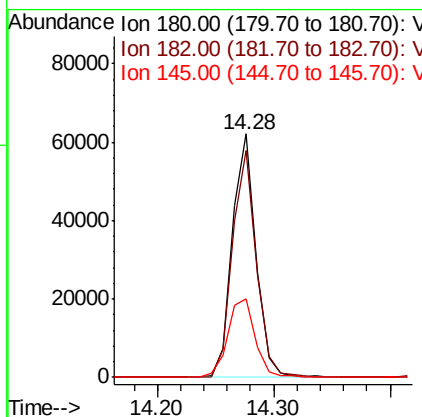
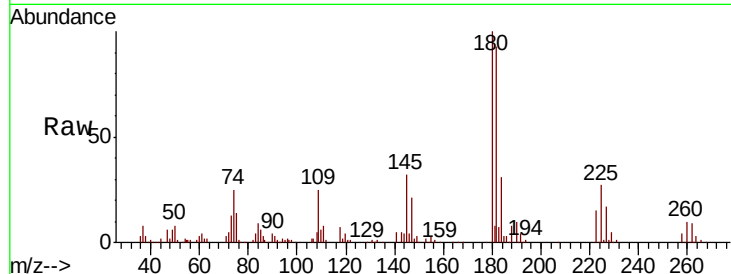
#93
 1,2,4-Trichlorobenzene
 Concen: 21.63 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.1	46.4	139.2	
145	32.4	15.9	47.7	

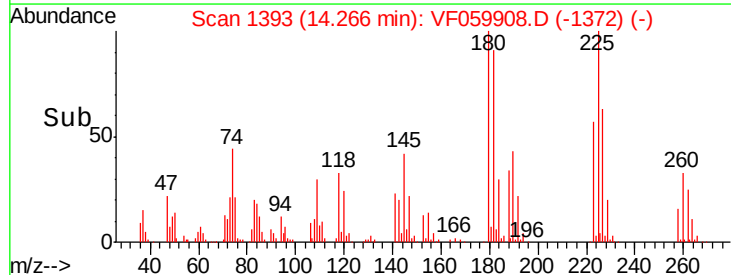
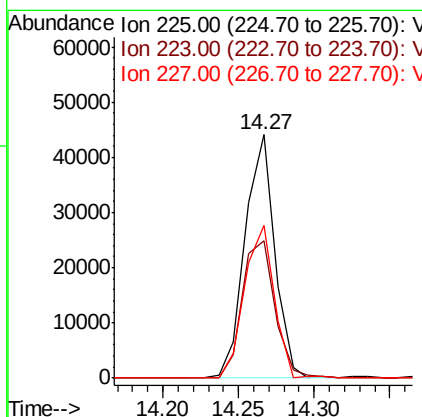
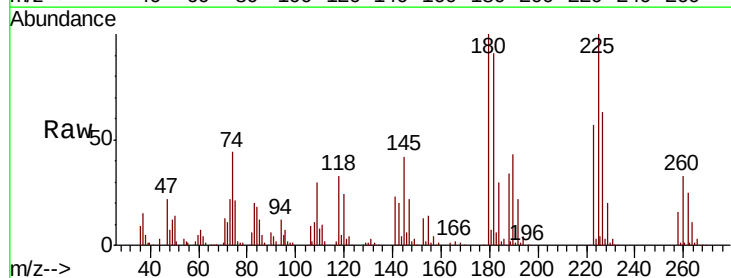
Manual Integrations
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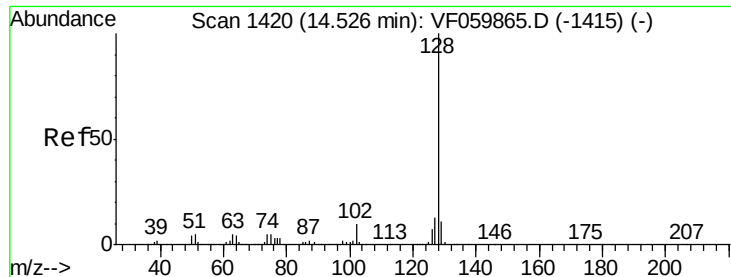
apatel
 8/8/2018 11:38:20 AM



#94
 Hexachlorobutadiene
 Concen: 21.04 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059908.D
 Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	56.7	31.9	95.9	
227	62.8	32.8	98.4	





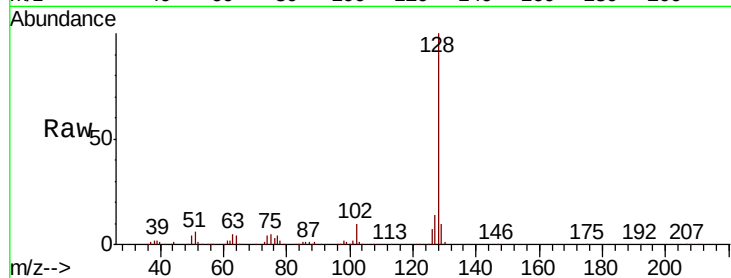
#95
Naphthalene
Concen: 20.31 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

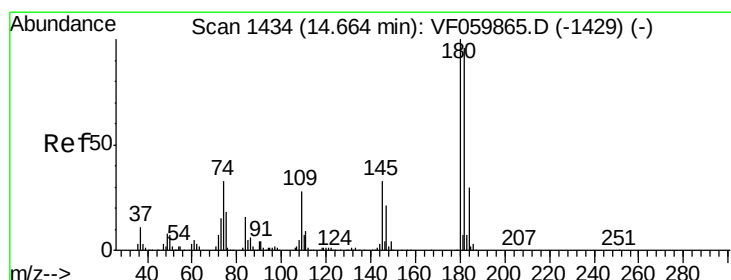
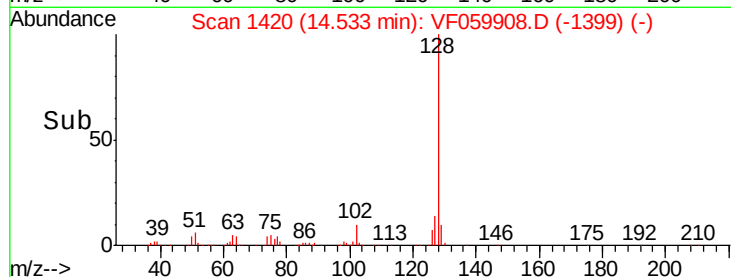
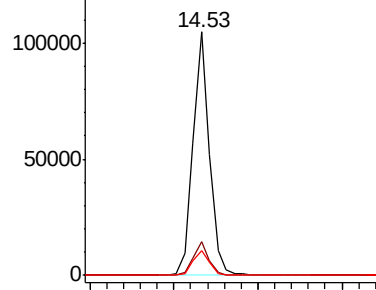
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	10.3	9.0	13.6

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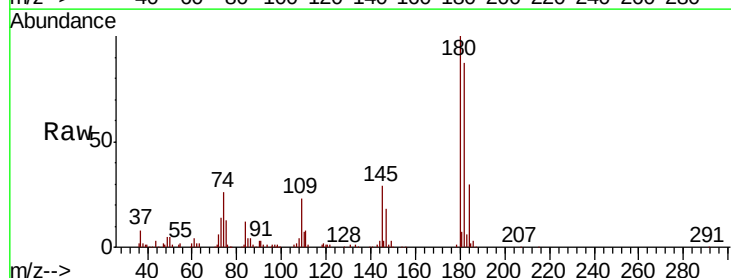


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.44 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.02 min
Lab File: VF059908.D
Acq: 7 Aug 2018 8:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.2	48.1	144.3
145	29.1	16.6	49.8



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

