

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059823.D
 Acq On : 3 Aug 2018 3:30
 Operator : VA/AP
 Sample : VF0802SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Manual Integrations
 APPROVED

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 8/3/2018 4:02:59 PM

Quant Time: Aug 03 08:12:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	181127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	269183	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	257634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	162011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	163028	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	4.29	113	133038	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	7.71	98	310263	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.51	95	170481	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	57517	25.48	ug/l	96
3) Chloromethane	1.08	50	26865	22.87	ug/l	99
4) Vinyl Chloride	1.15	62	29935	24.81	ug/l	100
5) Bromomethane	1.34	94	22655	22.24	ug/l	92
6) Chloroethane	1.42	64	17559	23.40	ug/l #	79
7) Trichlorofluoromethane	1.53	101	67550m	19.97	ug/l	
8) Diethyl Ether	1.70	74	13188	22.80	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	39906	22.53	ug/l	98
10) Methyl Iodide	1.97	142	66449	24.72	ug/l	95
11) Tert butyl alcohol	2.70	59	13020	98.31	ug/l #	79
12) 1,1-Dichloroethene	1.85	96	35550	25.34	ug/l	90
13) Acrolein	2.10	56	4774m	81.04	ug/l	
14) Allyl chloride	2.19	41	53895	24.07	ug/l	85
15) Acrylonitrile	3.07	53	29150	138.62	ug/l	88
16) Acetone	2.34	43	48594	82.99	ug/l	97
17) Carbon Disulfide	1.88	76	77265m	24.07	ug/l	
18) Methyl Acetate	2.45	43	29876	30.99	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	93531	21.87	ug/l	97
20) Methylene Chloride	2.27	84	36109m	24.69	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	33017	25.65	ug/l	94
22) Diisopropyl ether	2.92	45	107274	22.65	ug/l	94
23) Vinyl Acetate	3.33	43	244350	100.35	ug/l	98
24) 1,1-Dichloroethane	2.99	63	75600	22.98	ug/l	98
25) 2-Butanone	4.51	43	64163	98.19	ug/l #	77
26) 2,2-Dichloropropane	3.75	77	45946	19.59	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	39230	22.26	ug/l	86
28) Bromochloromethane	3.89	49	25425	19.38	ug/l	86
29) Tetrahydrofuran	4.27	42	28747	114.46	ug/l	98
30) Chloroform	4.03	83	99447	21.42	ug/l	88
31) Cyclohexane	3.87	56	41625	23.95	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	75697	21.01	ug/l	95
36) 1,1-Dichloropropene	4.45	75	60118	19.66	ug/l	99
37) Ethyl Acetate	4.29	43	32041	21.18	ug/l #	70
38) Carbon Tetrachloride	4.17	117	86132m	20.13	ug/l	

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 03 08:12:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	51457	22.37	ug/l	93
40) Benzene	4.81	78	115053	21.16	ug/l	92
41) Methacrylonitrile	4.92	41	15756	21.66	ug/l	96
42) 1,2-Dichloroethane	5.11	62	77471	20.36	ug/l	99
43) Isopropyl Acetate	7.11	43	32241	20.03	ug/l #	98
44) Trichloroethene	5.67	130	44349	21.30	ug/l	91
45) 1,2-Dichloropropane	6.39	63	32534	22.66	ug/l	92
46) Dibromomethane	6.26	93	26902	19.74	ug/l	89
47) Bromodichloromethane	6.54	83	75587	20.36	ug/l	99
48) Methyl methacrylate	6.87	41	22873	18.89	ug/l	90
49) 1,4-Dioxane	6.88	88	3343	404.47	ug/l #	75
51) 4-Methyl-2-Pentanone	8.41	43	127660	104.26	ug/l	98
52) Toluene	7.77	92	81241	20.91	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	61833	19.20	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	64130	20.56	ug/l #	91
55) 1,1,2-Trichloroethane	8.63	97	29372	19.95	ug/l	93
56) Ethyl methacrylate	8.76	69	30241	19.70	ug/l	92
57) 1,3-Dichloropropane	9.00	76	51860	20.53	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	17945	101.23	ug/l	100
59) 2-Hexanone	9.63	43	87975	89.66	ug/l	99
60) Dibromochloromethane	8.86	129	54209	20.87	ug/l	99
61) 1,2-Dibromoethane	9.13	107	36013	20.95	ug/l	98
64) Tetrachloroethene	8.30	164	49594	26.43	ug/l	92
65) Chlorobenzene	9.93	112	113543	22.03	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	51771	21.52	ug/l	94
67) Ethyl Benzene	10.03	91	192284	21.56	ug/l	92
68) m/p-Xylenes	10.27	106	140271	46.10	ug/l	98
69) o-Xylene	10.83	106	75363	22.94	ug/l	84
70) Styrene	10.90	104	106289	21.35	ug/l	96
71) Bromoform	10.89	173	32001	20.41	ug/l	85
73) Isopropylbenzene	11.22	105	231811	21.81	ug/l	100
74) N-amyl acetate	11.46	43	51845	19.33	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	43069	21.52	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	37186	21.85	ug/l	99
77) Bromobenzene	11.59	156	58499	21.07	ug/l	96
78) n-propylbenzene	11.69	91	278223	22.81	ug/l	100
79) 2-Chlorotoluene	11.81	91	169236	22.24	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	214756	22.83	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	14022m	19.90	ug/l	
82) 4-Chlorotoluene	11.98	91	176236	21.79	ug/l	98
83) tert-Butylbenzene	12.21	119	227461	23.84	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	214643	22.60	ug/l	98
85) sec-Butylbenzene	12.39	105	284837	23.36	ug/l	99
86) p-Isopropyltoluene	12.54	119	242232	22.52	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	112363	21.46	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	110581	21.79	ug/l	97
89) n-Butylbenzene	12.92	91	225699	21.89	ug/l	96
90) Hexachloroethane	12.99	117	57422	21.42	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	109487	22.27	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10297	21.05	ug/l	94

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Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Manual Integrations
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Quant Time: Aug 03 08:12:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	83241	20.79	ug/l	97
94) Hexachlorobutadiene	14.25	225	60038	22.59	ug/l	97
95) Naphthalene	14.52	128	149718	21.43	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	79490	20.59	ug/l	92

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

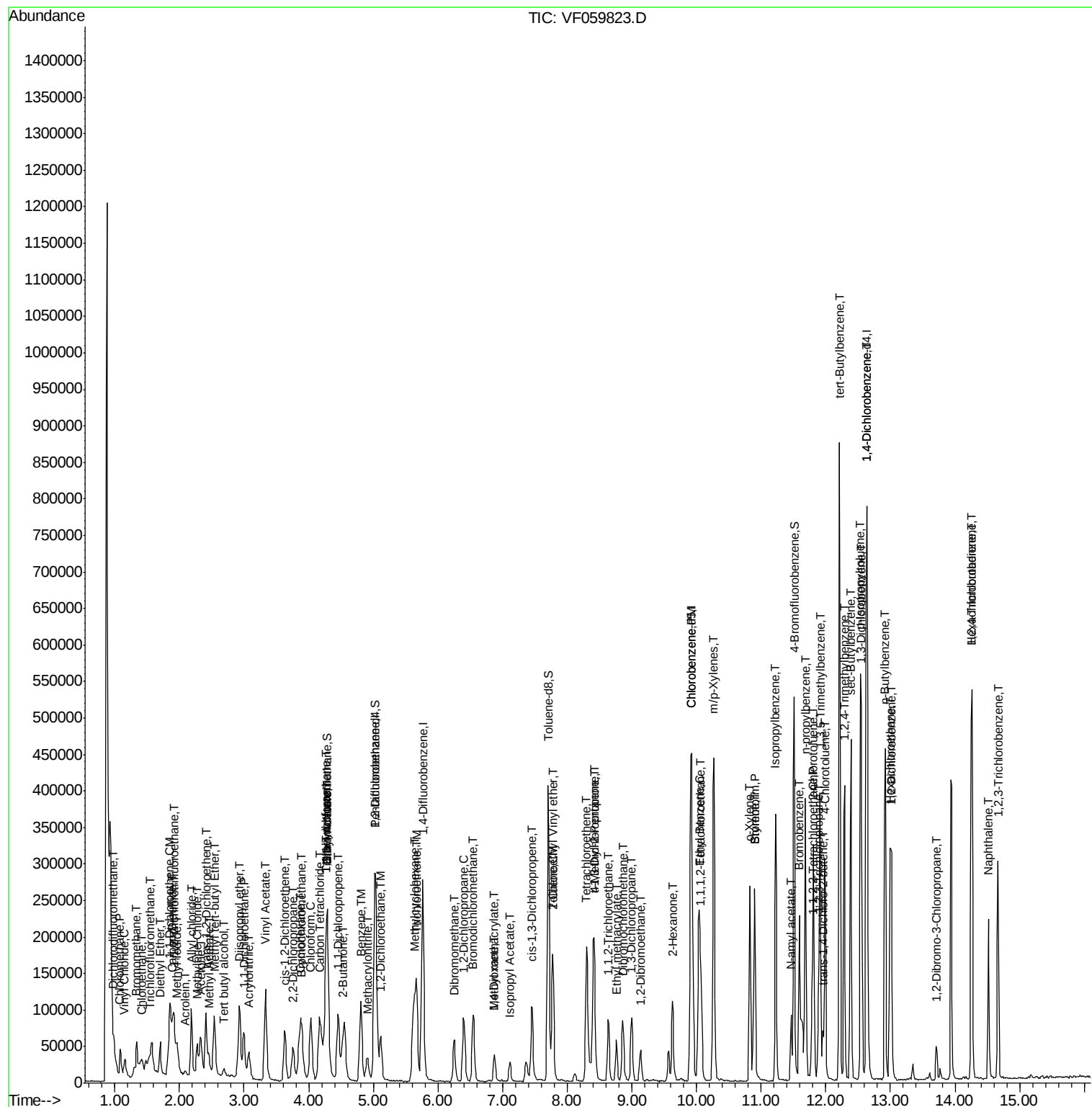
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059823.D
 Acq On : 3 Aug 2018 3:30
 Operator : VA/AP
 Sample : VF0802SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

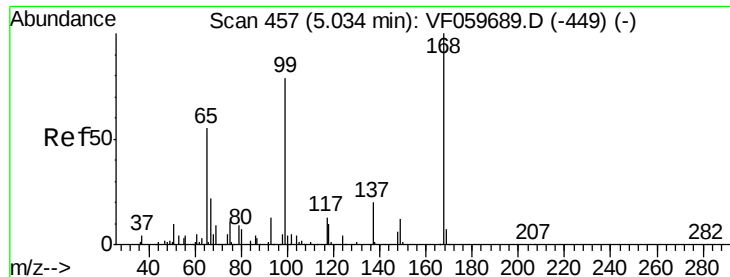
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion:168 Resp: 181127

Ion Ratio Lower Upper

168 100

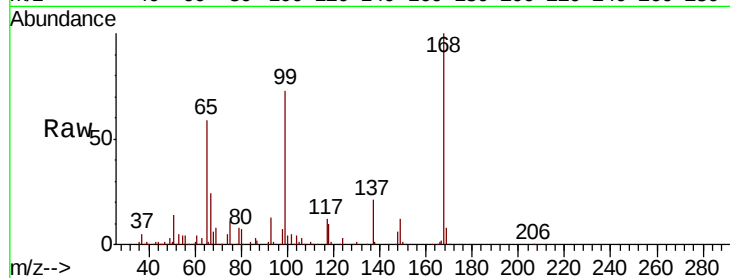
99 72.7 63.3 94.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

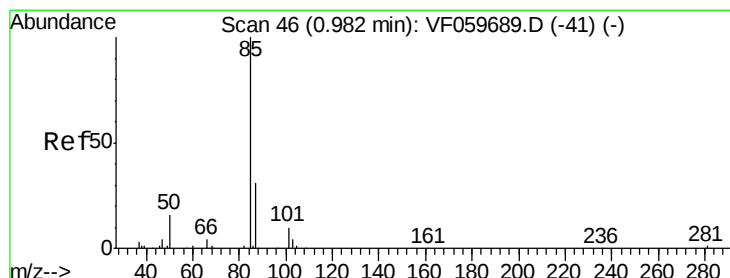
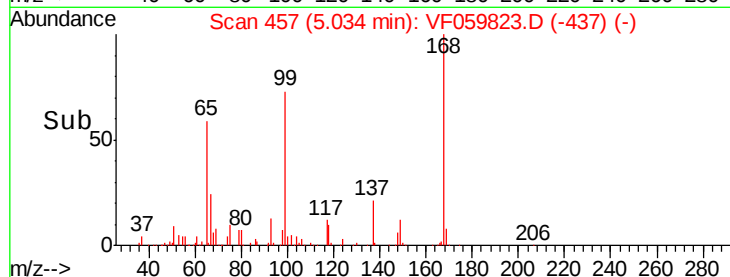
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.48 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059823.D

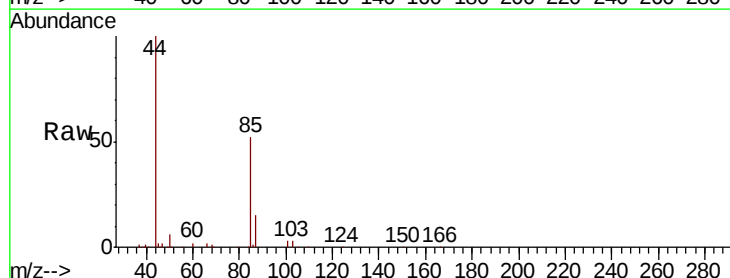
Acq: 3 Aug 2018 3:30

Tgt Ion: 85 Resp: 57517

Ion Ratio Lower Upper

85 100

87 28.4 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

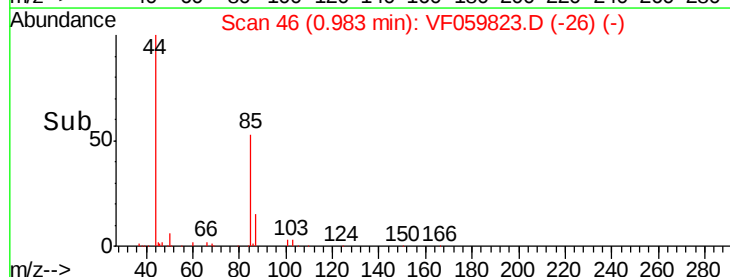
15000

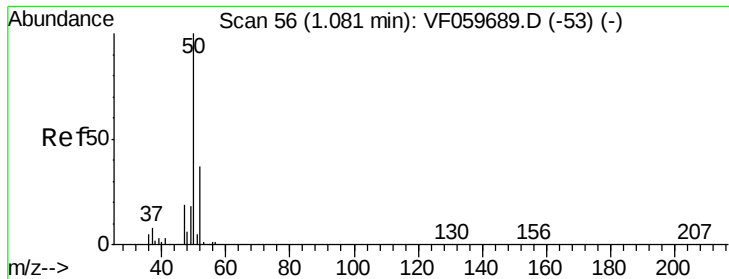
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.87 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 50 Resp: 26865

Ion Ratio Lower Upper

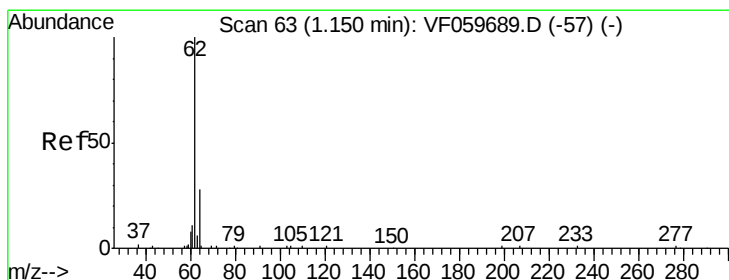
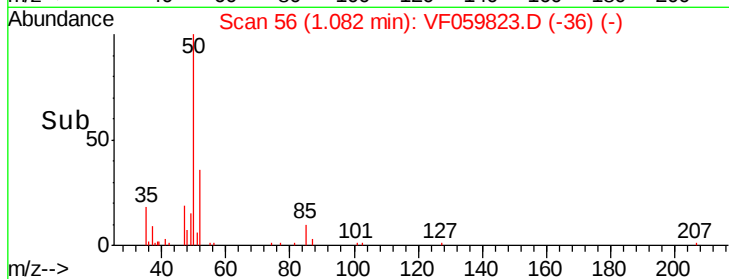
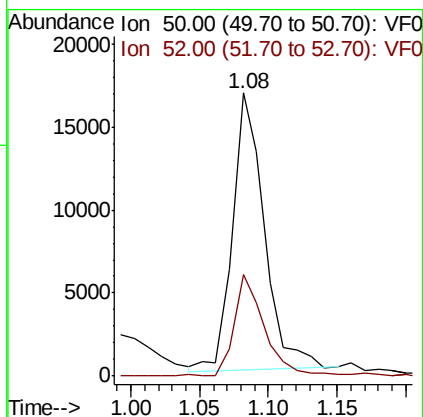
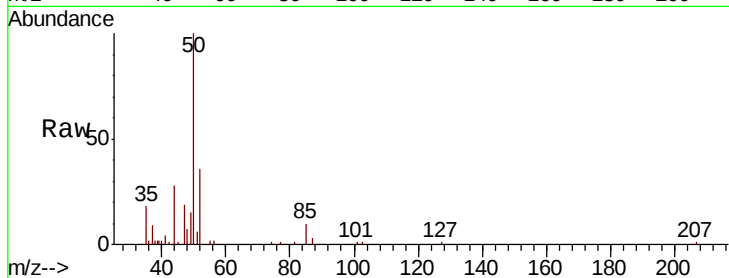
50 100

52 35.7 29.1 43.7

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#4

Vinyl Chloride

Concen: 24.81 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059823.D

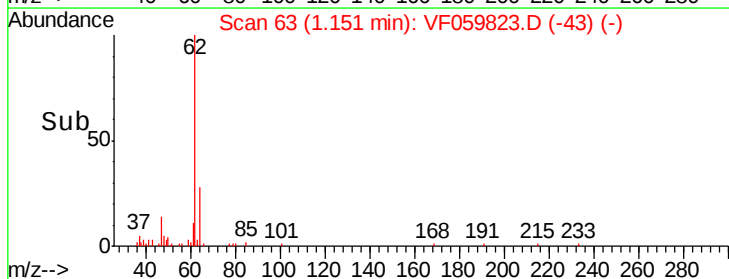
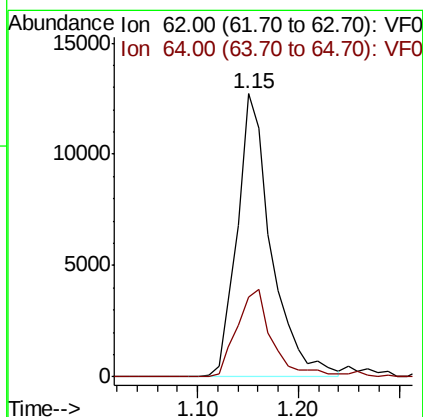
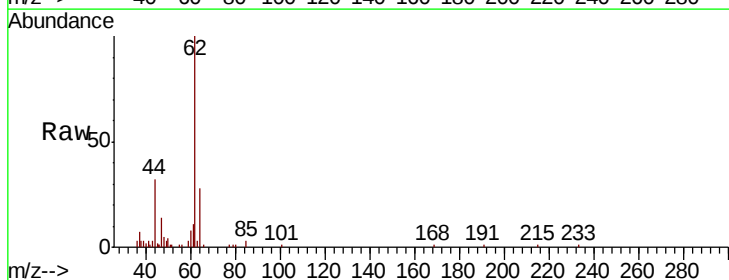
Acq: 3 Aug 2018 3:30

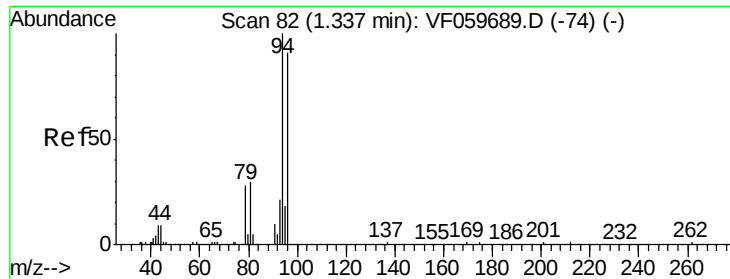
Tgt Ion: 62 Resp: 29935

Ion Ratio Lower Upper

62 100

64 28.4 22.6 33.8





#5

Bromomethane

Concen: 22.24 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 94 Resp: 22655

Ion Ratio Lower Upper

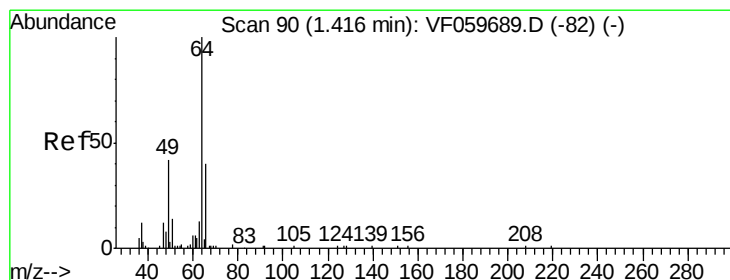
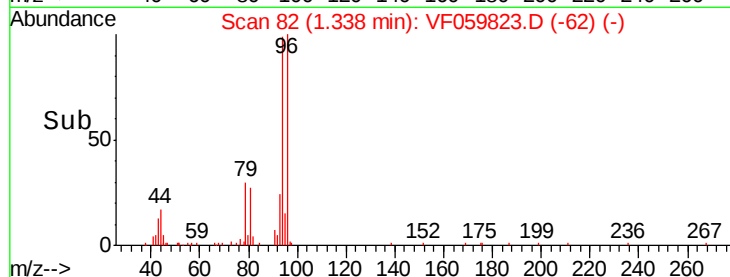
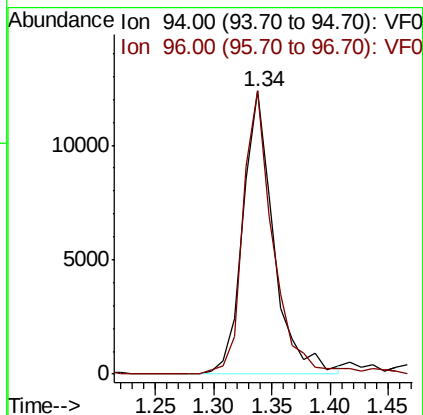
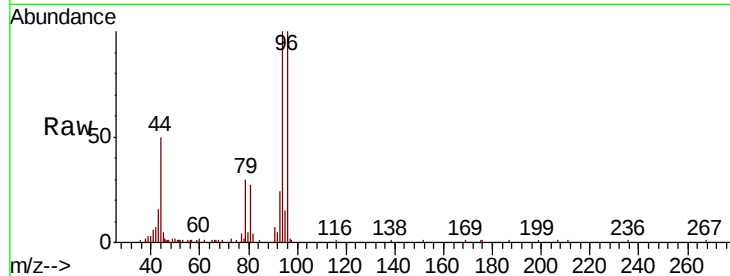
94 100

96 100.0 73.6 110.4

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#6

Chloroethane

Concen: 23.40 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059823.D

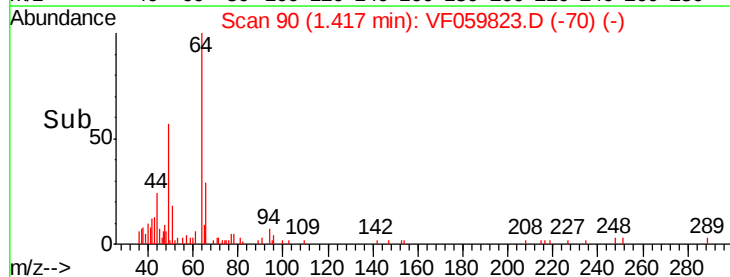
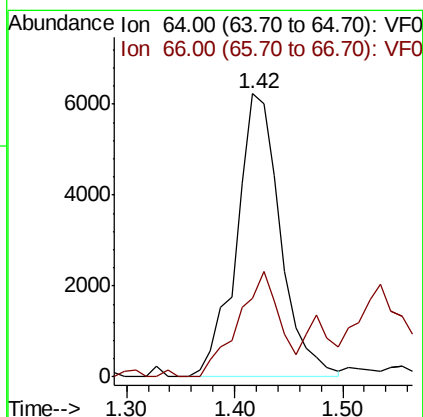
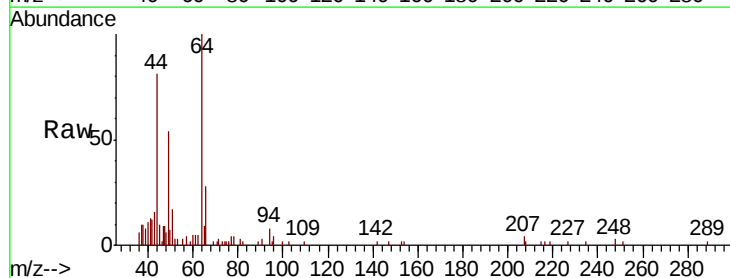
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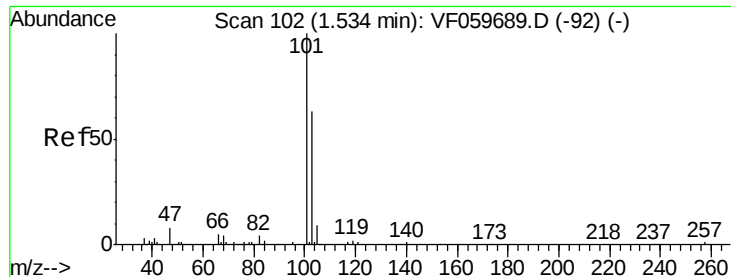
Tgt Ion: 64 Resp: 17559

Ion Ratio Lower Upper

64 100

66 27.9 32.6 49.0#





#7

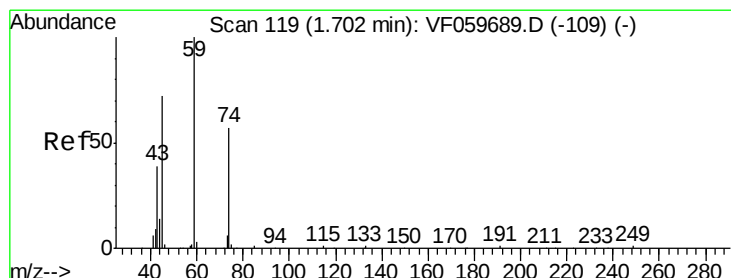
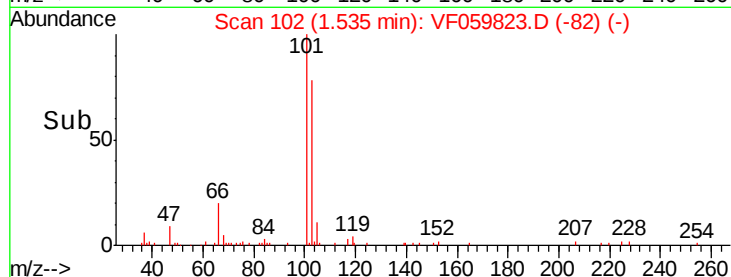
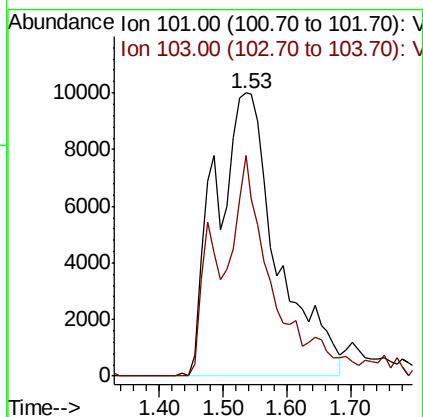
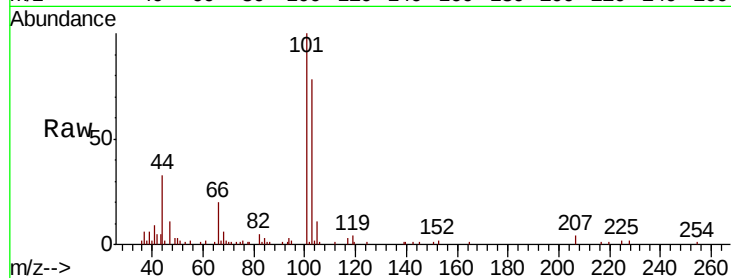
Trichlorofluoromethane
Concen: 19.97 ug/l m
RT: 1.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	78.1	50.8	76.2#

Manual Integrations
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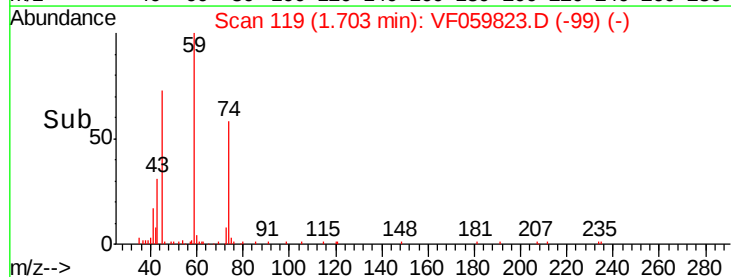
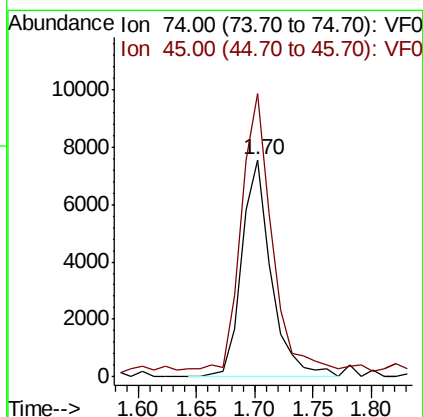
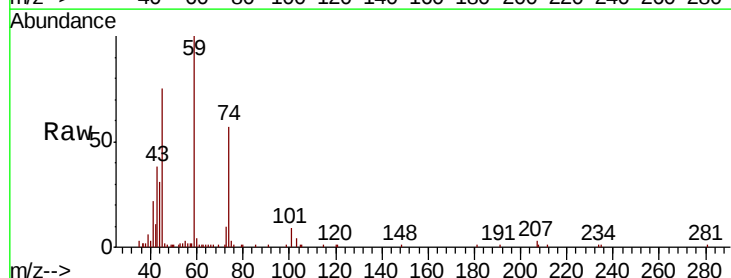
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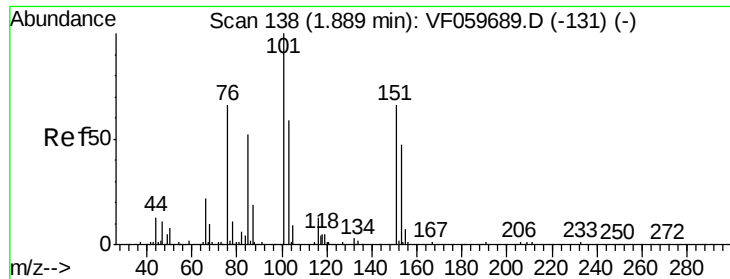


#8

Diethyl Ether
Concen: 22.80 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.4	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.53 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

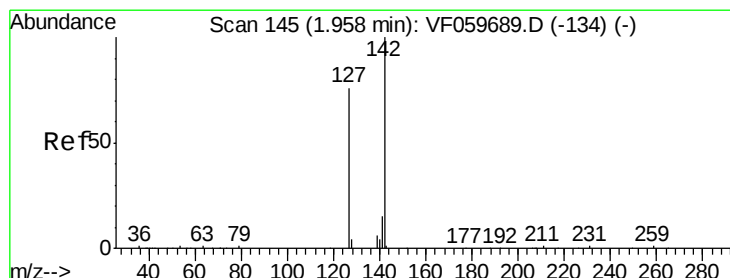
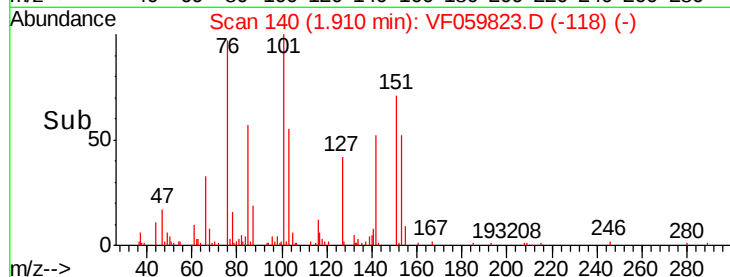
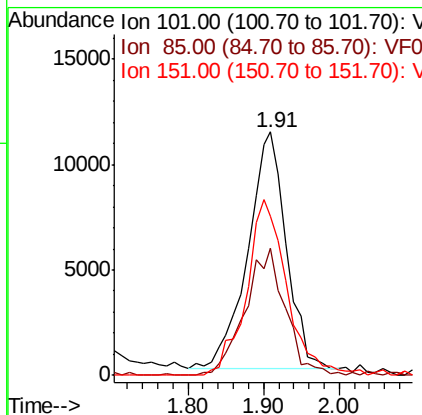
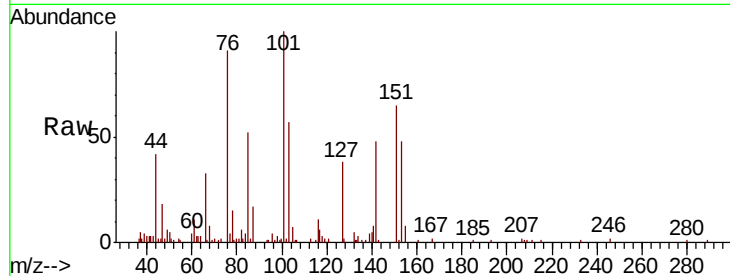
ClientSampleId :

VF0802SBS02

Tot Ion:	101	Resp:	39906
Ion Ratio	Lower	Upper	
101	100		
85	52.4	40.7	61.1
151	65.3	51.4	77.2

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#10

Methyl Iodide

Concen: 24.72 ug/l

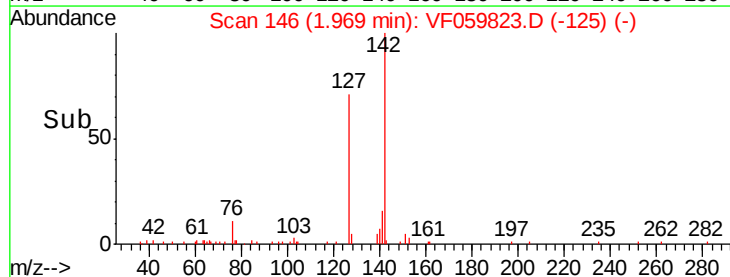
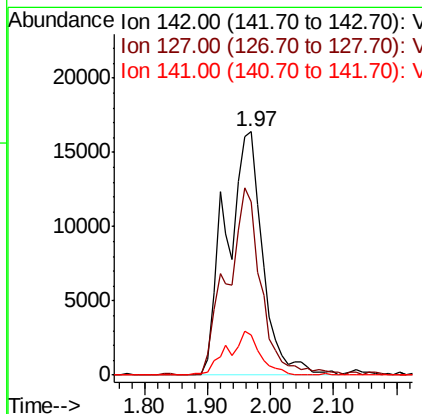
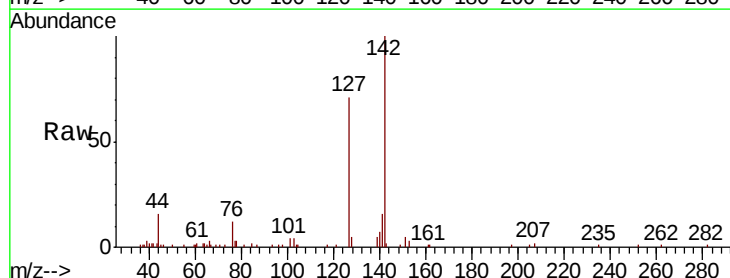
RT: 1.97 min Scan# 146

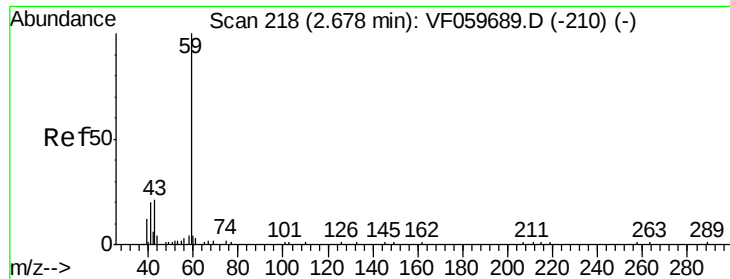
Delta R.T. 0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion:	142	Resp:	66449
Ion Ratio	Lower	Upper	
142	100		
127	71.2	60.6	91.0
141	16.4	12.0	18.0





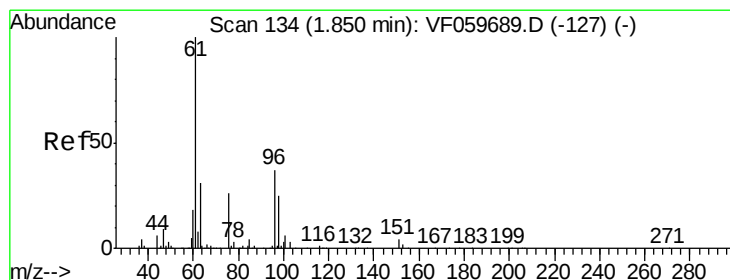
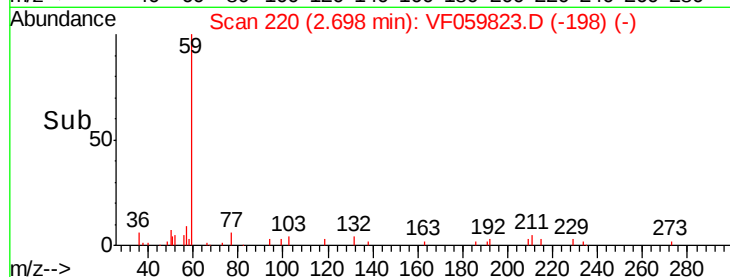
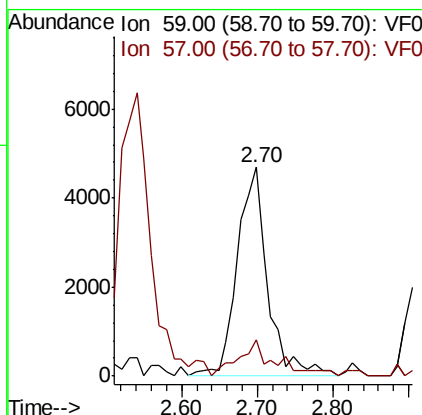
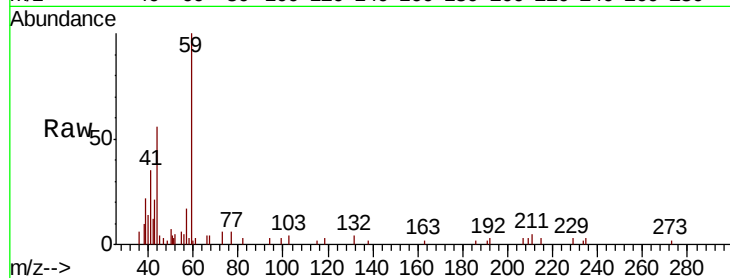
#11
Tert butyl alcohol
Concen: 98.31 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion: 59 Resp: 13020
Ion Ratio Lower Upper
59 100
57 17.3 7.6 11.4#

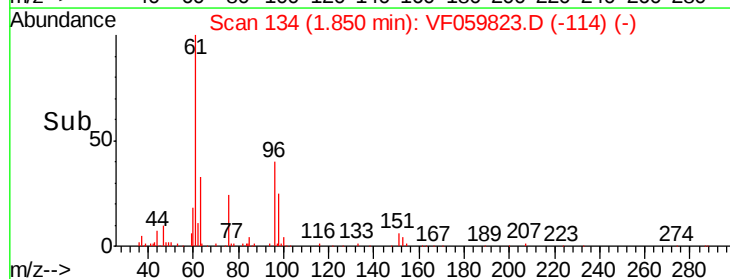
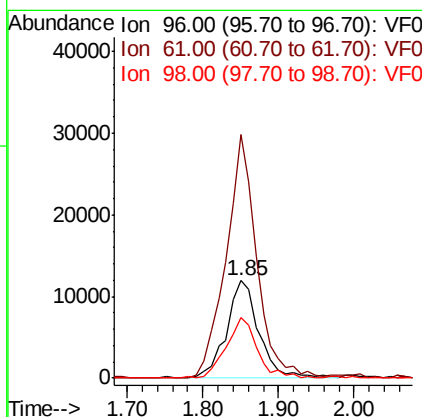
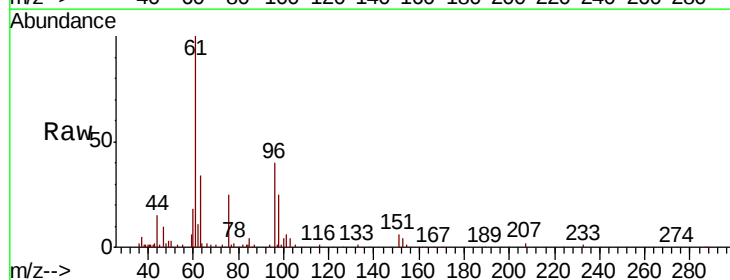
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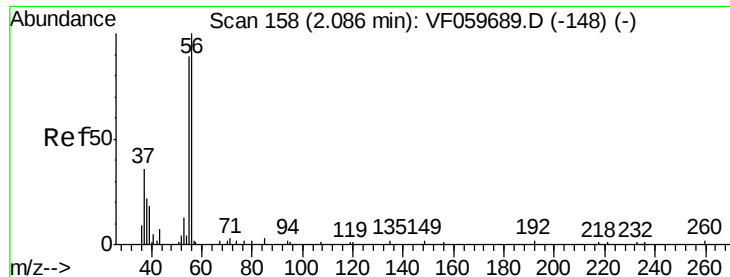
apatel
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#12
1,1-Dichloroethene
Concen: 25.34 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion: 96 Resp: 35550
Ion Ratio Lower Upper
96 100
61 249.9 215.1 322.7
98 62.7 54.3 81.5





#13

Acrolein

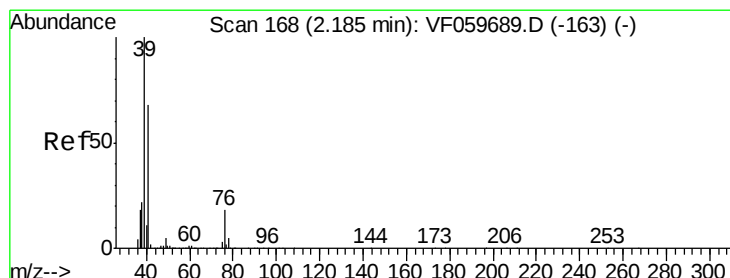
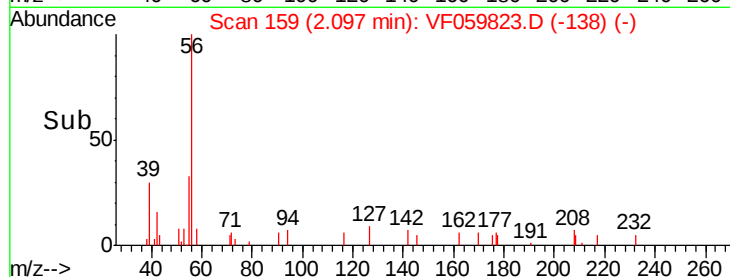
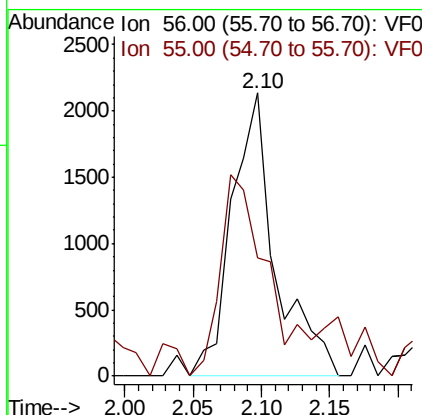
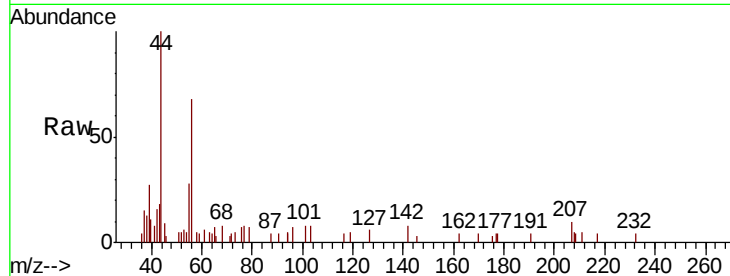
Concen: 81.04 ug/l m
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	56	Resp	4774
Ion Ratio	Lower	Upper	
56	100		
55	42.0	73.2	109.8#

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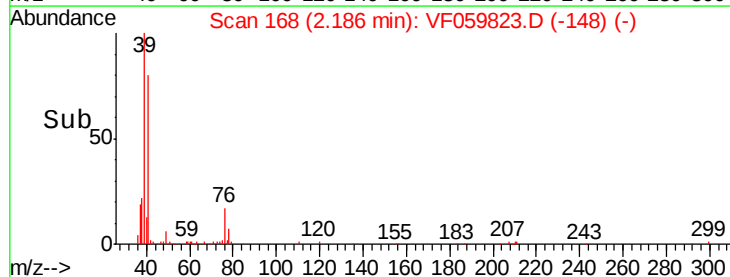
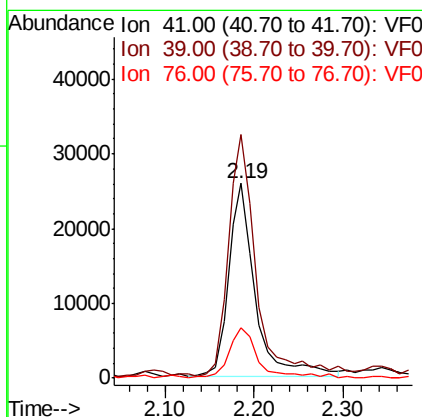
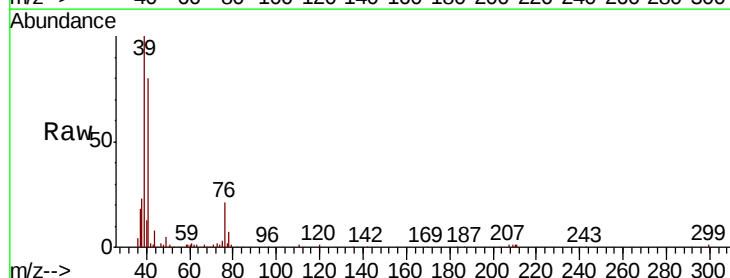


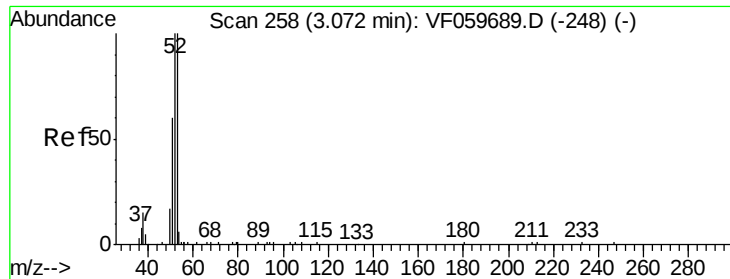
#14

Allyl chloride

Concen: 24.07 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	41	Resp	53895
Ion Ratio	Lower	Upper	
41	100		
39	125.2	118.1	177.1
76	26.2	22.0	33.0





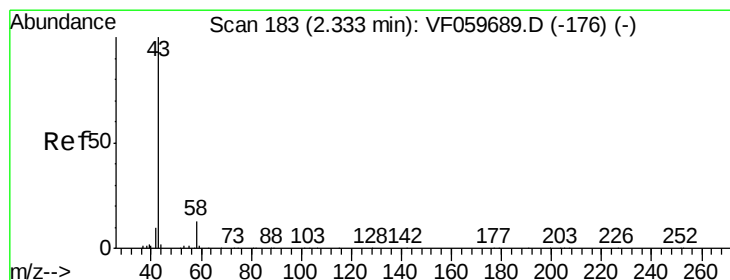
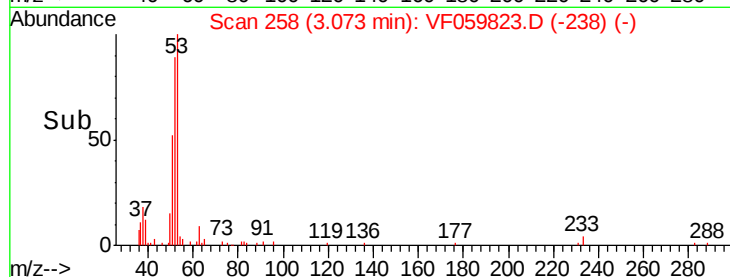
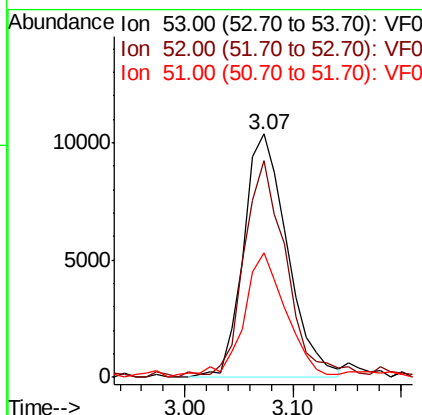
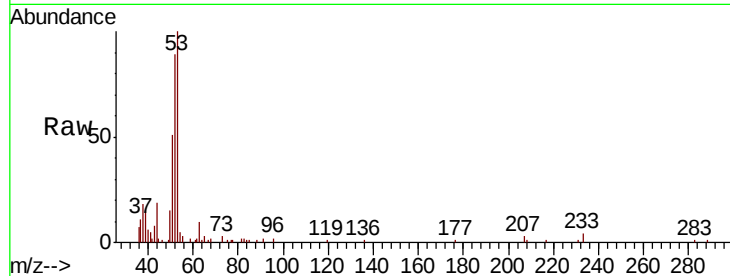
#15
 Acrylonitrile
 Concen: 138.62 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion:	53	Resp:	29150
Ion	Ratio	Lower	Upper
53	100		
52	89.0	80.3	120.5
51	51.2	49.4	74.0

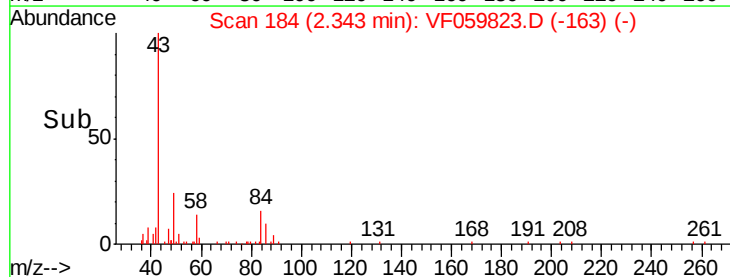
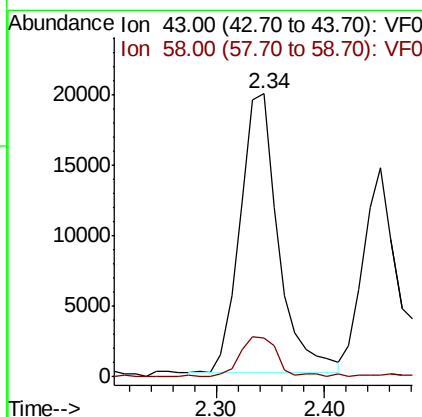
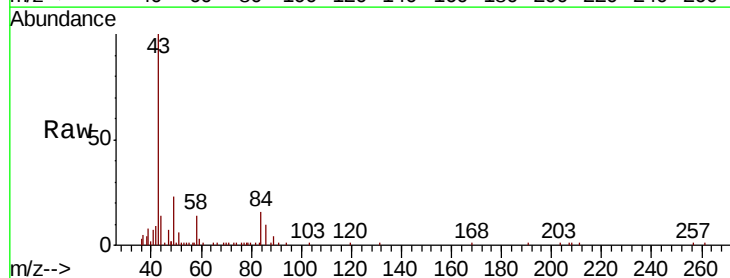
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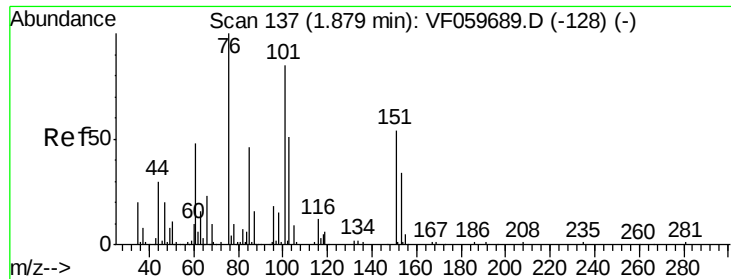
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#16
 Acetone
 Concen: 82.99 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion:	43	Resp:	48594
Ion	Ratio	Lower	Upper
43	100		
58	13.8	10.1	15.1





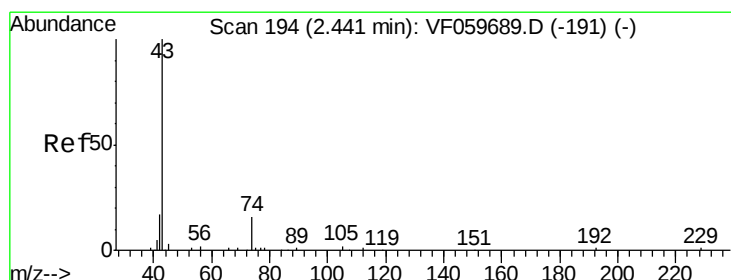
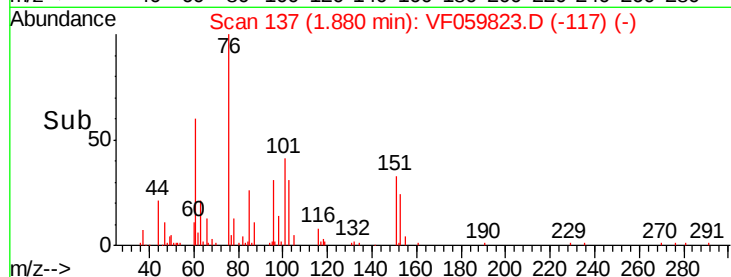
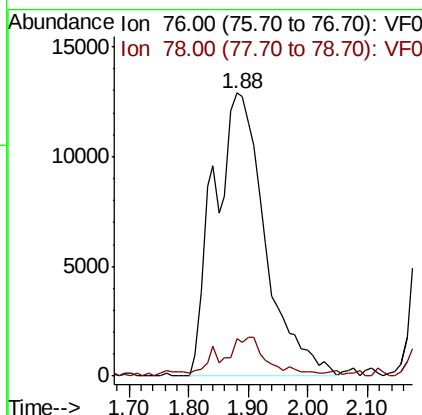
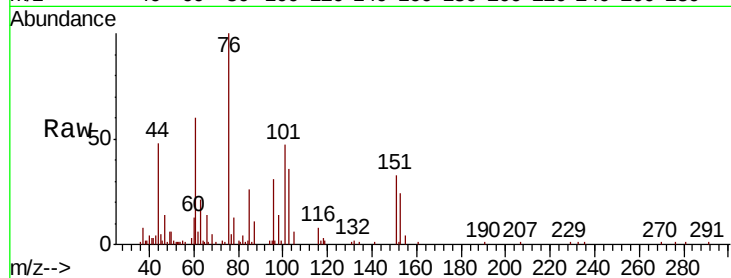
#17
Carbon Disulfide
Concen: 24.07 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.2	8.9	13.3

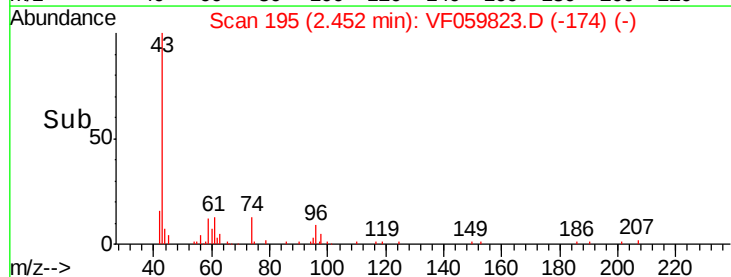
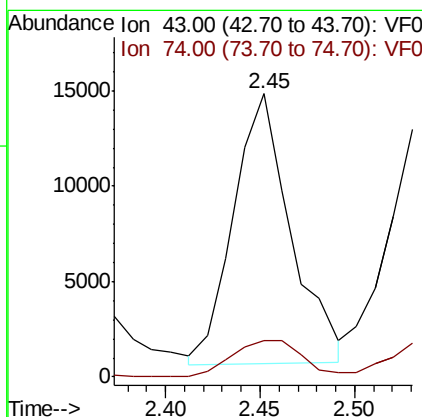
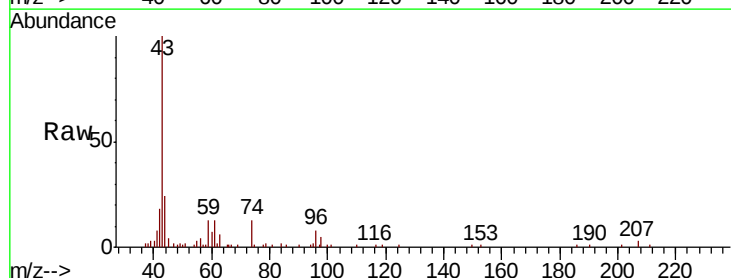
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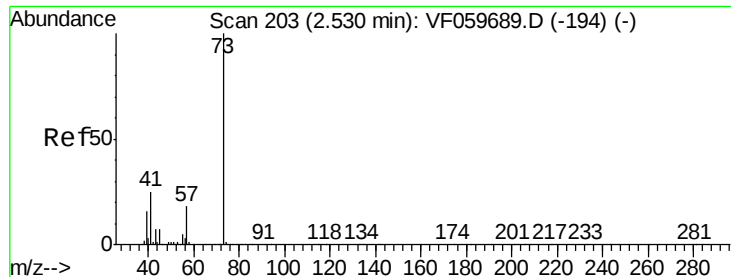
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#18
Methyl Acetate
Concen: 30.99 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.6	11.8	17.6





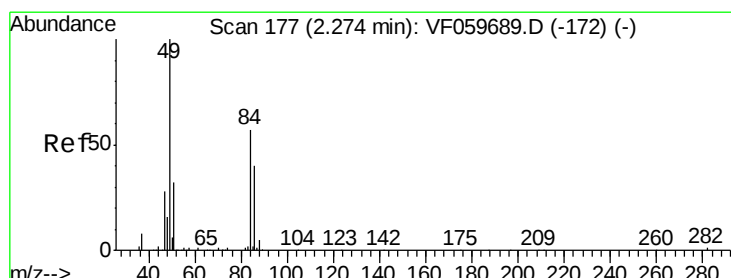
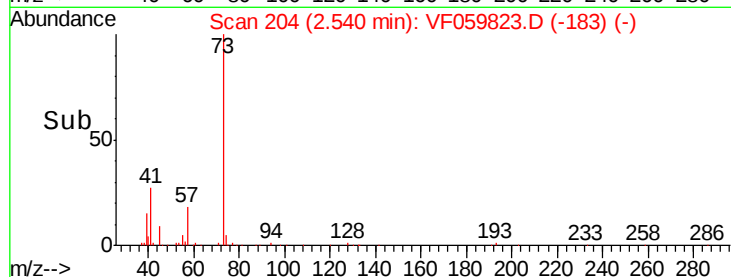
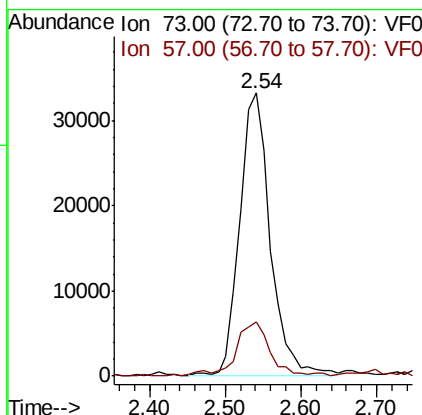
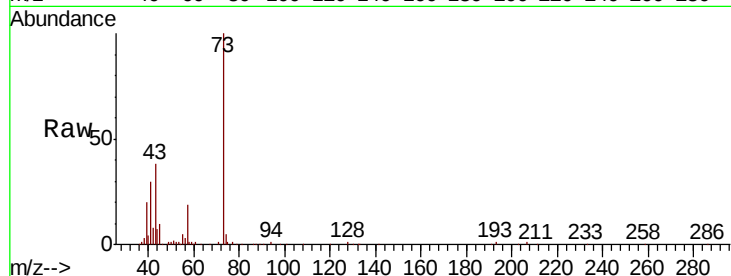
#19
Methvl tert-butvl Ether
Concen: 21.87 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.1	14.2	21.2

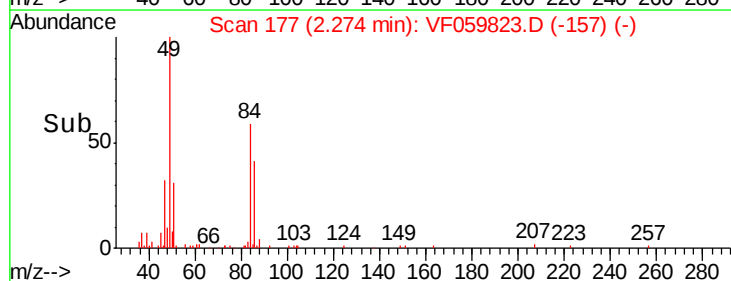
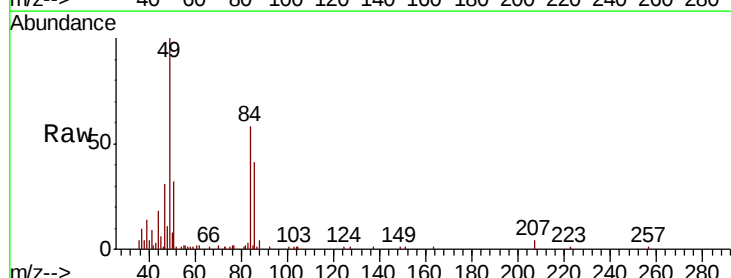
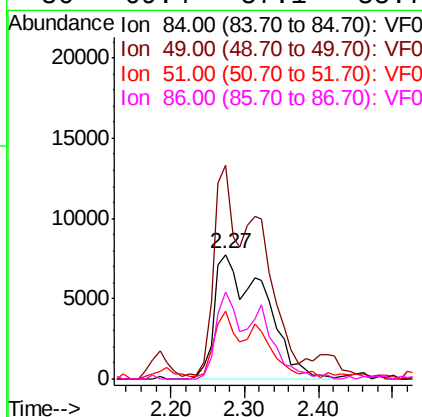
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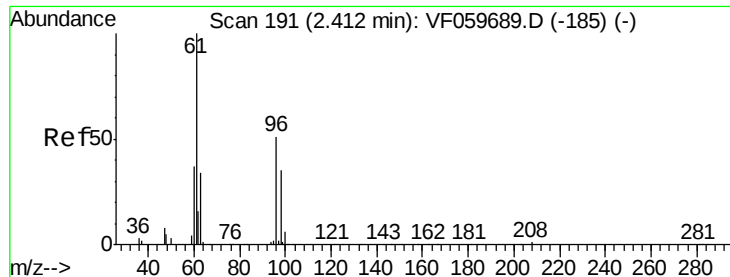
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#20
Methylene Chloride
Concen: 24.69 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	171.4	142.2	213.4
51	54.7	46.2	69.2
86	69.4	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 25.65 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

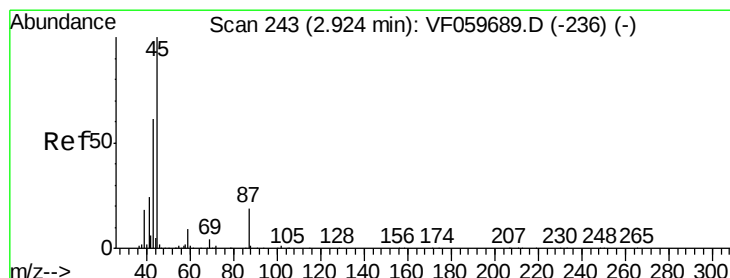
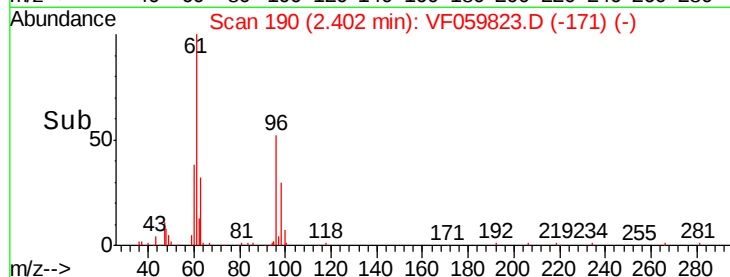
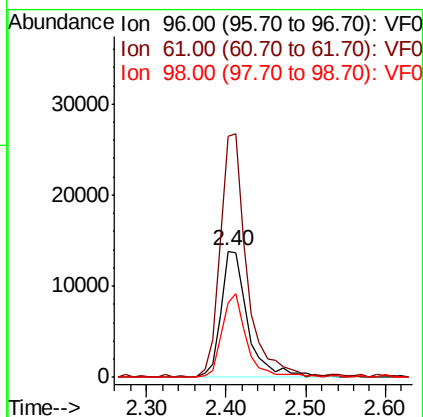
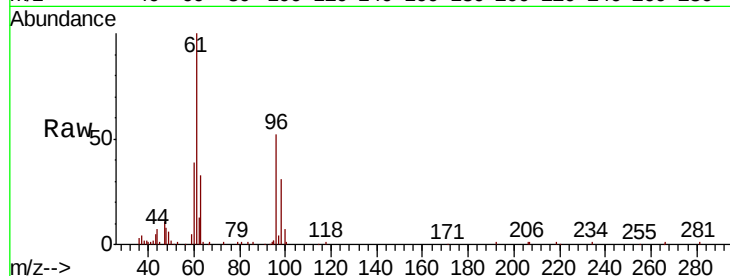
ClientSampleId :

VF0802SBS02

Tot Ion:	96	Resp:	33017
Ion Ratio	Lower	Upper	
96	100		
61	190.9	157.4	236.0
98	58.7	55.0	82.4

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#22

Diisopropyl ether

Concen: 22.65 ug/l

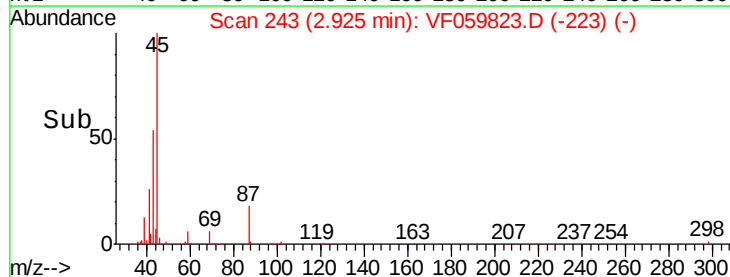
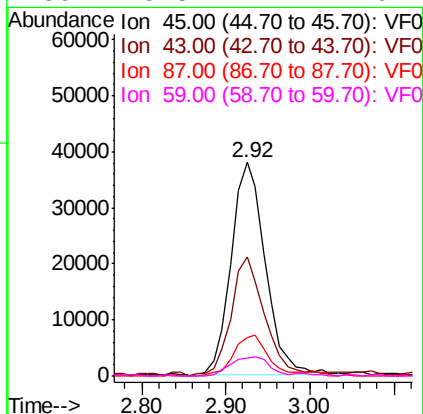
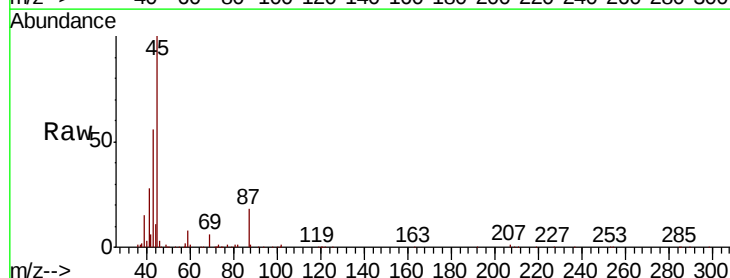
RT: 2.92 min Scan# 243

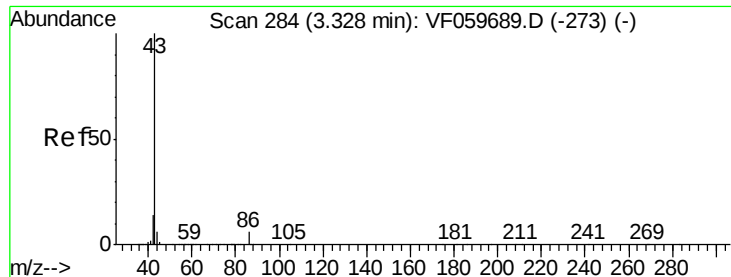
Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion:	45	Resp:	107274
Ion Ratio	Lower	Upper	
45	100		
43	55.6	49.3	73.9
87	17.8	15.3	22.9
59	8.5	7.1	10.7





#23

Vinyl Acetate

Concen: 100.35 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 43 Resp: 244350

Ion Ratio Lower Upper

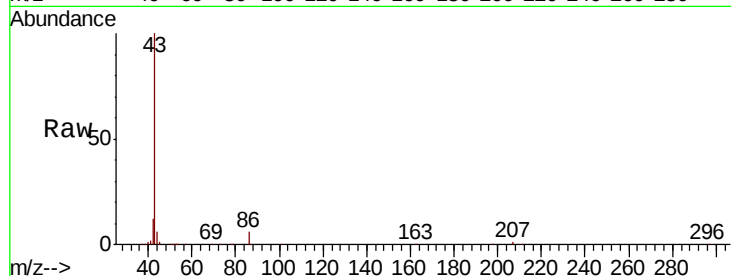
43 100

86 6.4 4.6 6.8

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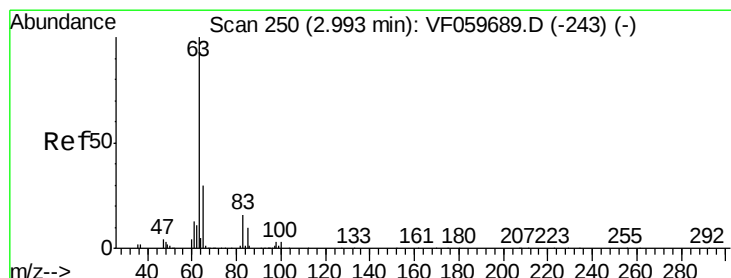
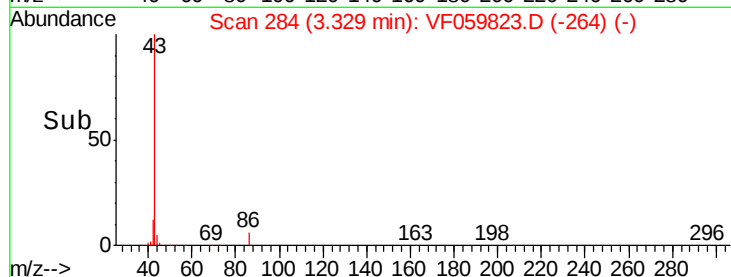
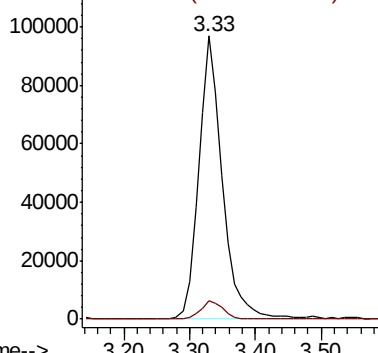
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.98 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

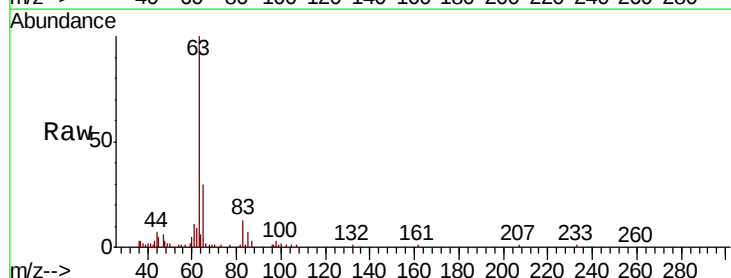
Tgt Ion: 63 Resp: 75600

Ion Ratio Lower Upper

63 100

98 2.9 1.4 4.2

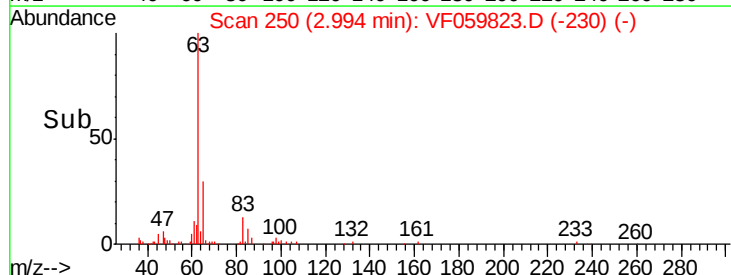
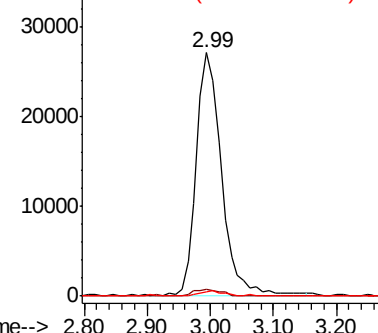
100 1.7 1.6 4.7

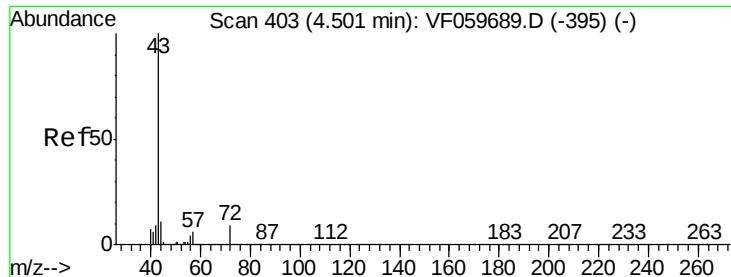


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 98.19 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 43 Resp: 64163

Ion Ratio Lower Upper

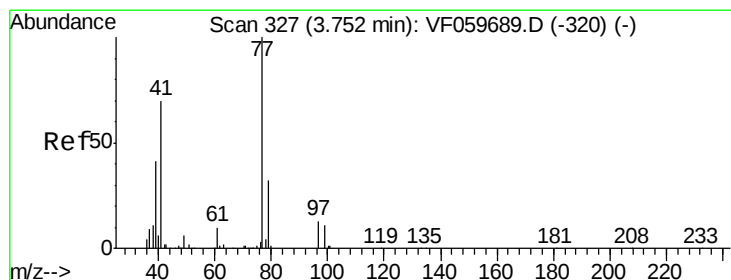
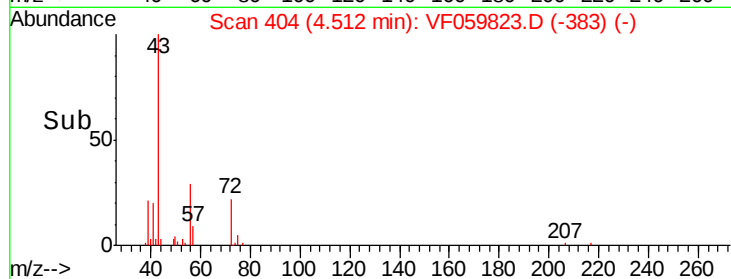
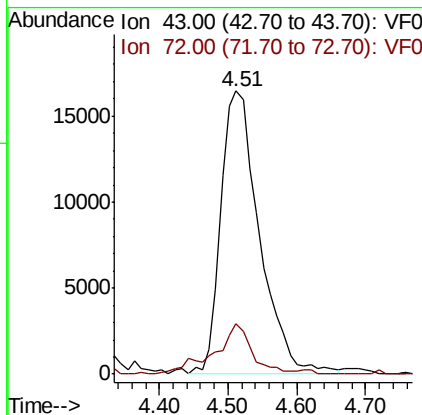
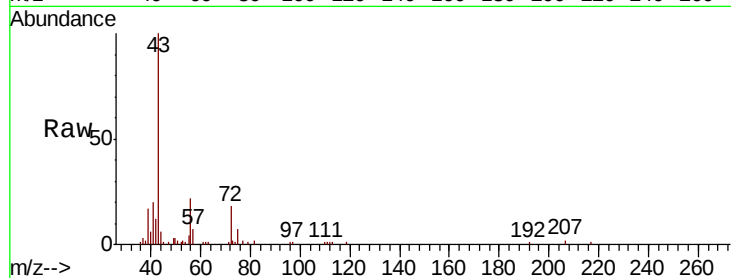
43 100

72 17.9 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 19.59 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059823.D

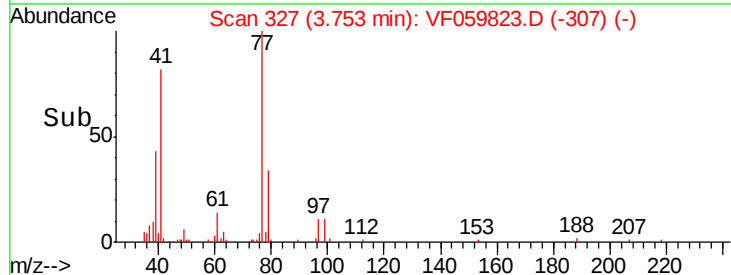
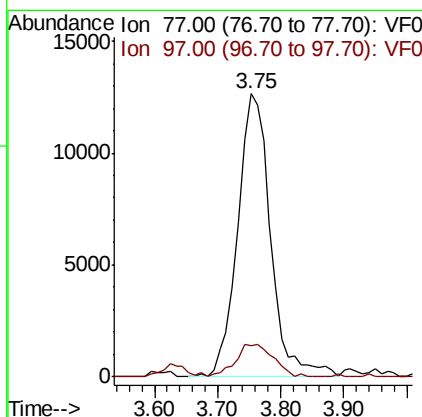
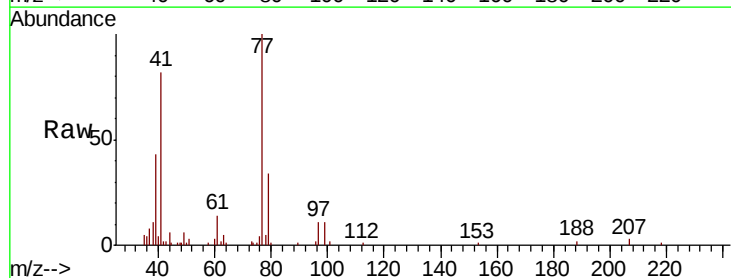
Acq: 3 Aug 2018 3:30

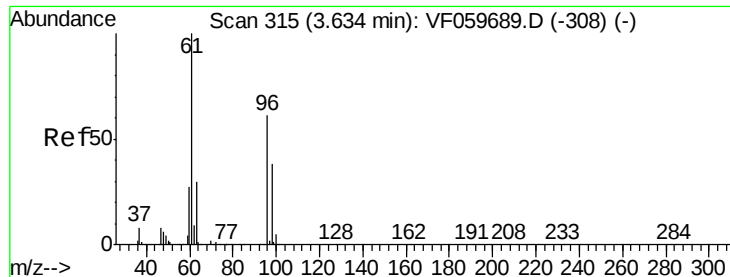
Tgt Ion: 77 Resp: 45946

Ion Ratio Lower Upper

77 100

97 11.0 6.8 20.4





#27

cis-1,2-Dichloroethene

Concen: 22.26 ug/l

RT: 3.62 min Scan# 314

Delta R.T. -0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

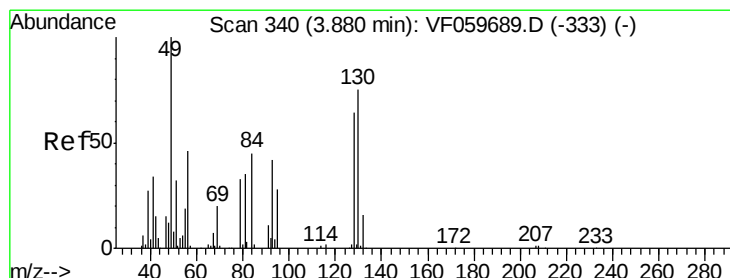
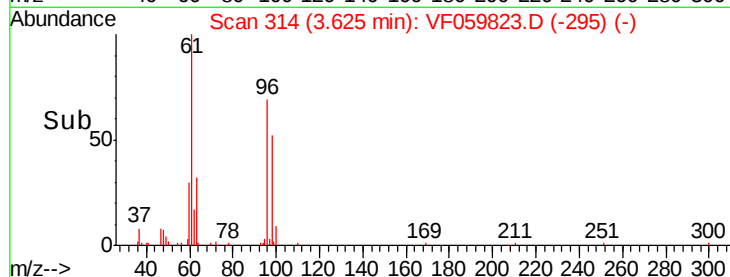
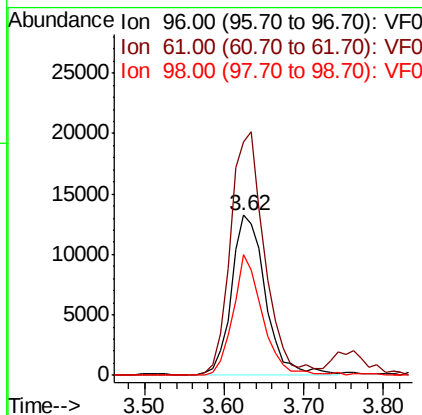
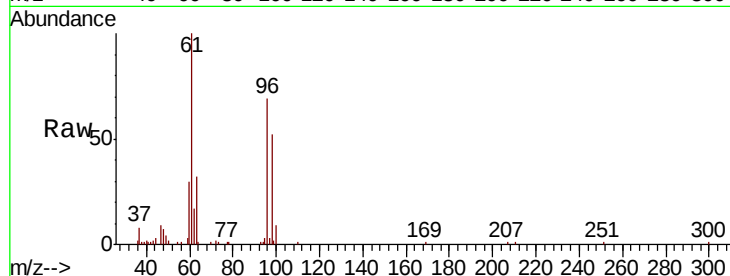
ClientSampleId :

VF0802SBS02

Tot Ion:	96	Resp:	39230
Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	326.8
98	75.6	0.0	125.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.38 ug/l

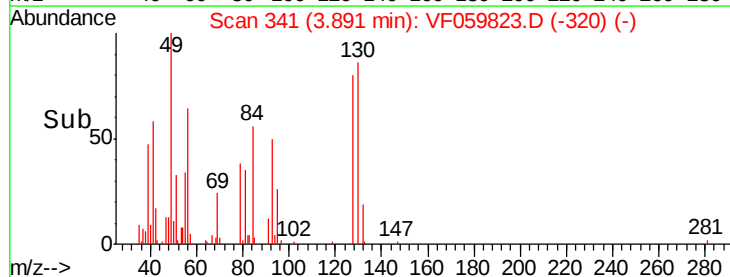
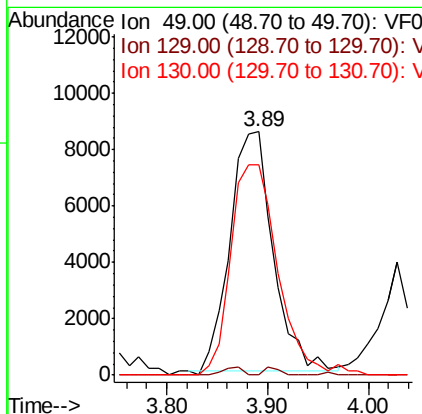
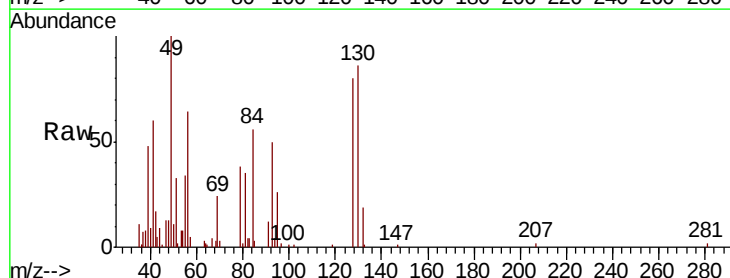
RT: 3.89 min Scan# 341

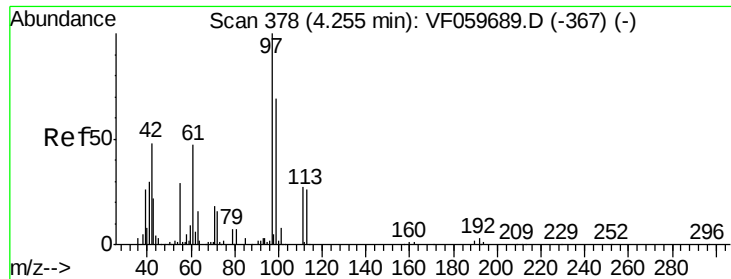
Delta R.T. 0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion:	49	Resp:	25425
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	86.4	59.6	89.4





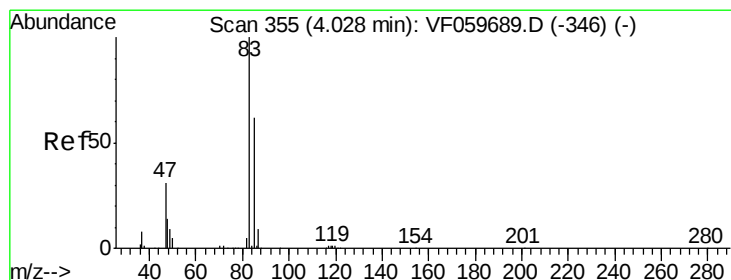
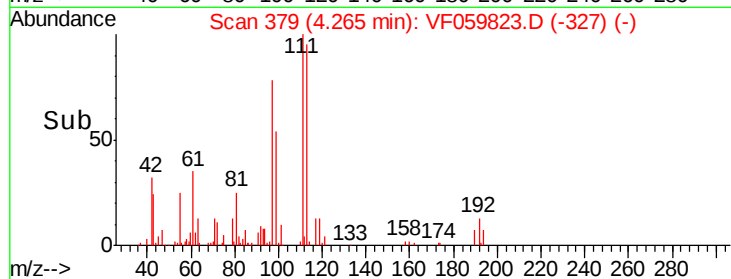
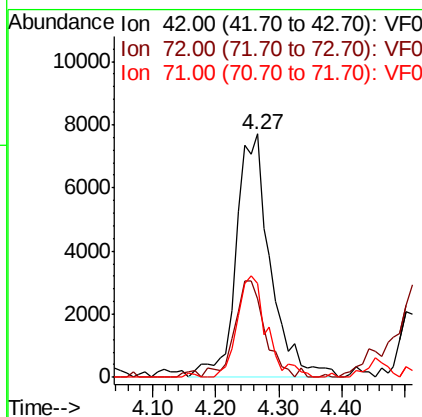
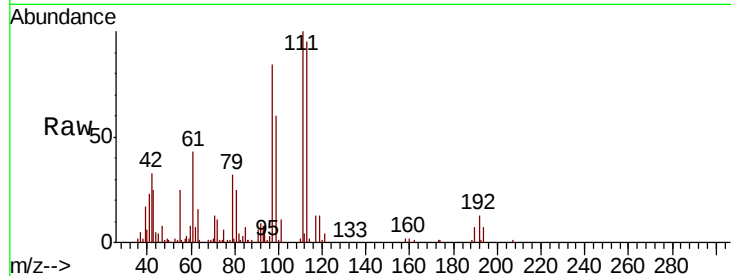
#29
Tetrahydrofuran
Concen: 114.46 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.0	40.6
71	36.0	29.7	44.5

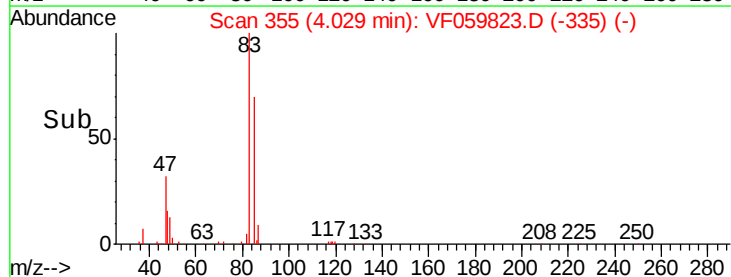
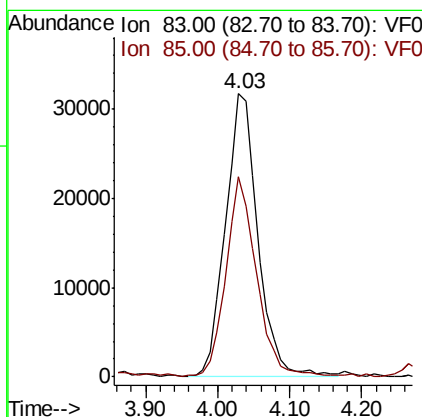
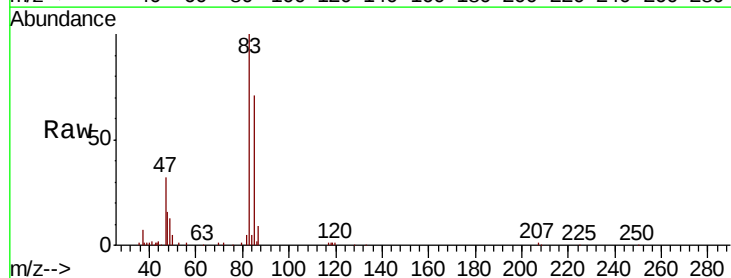
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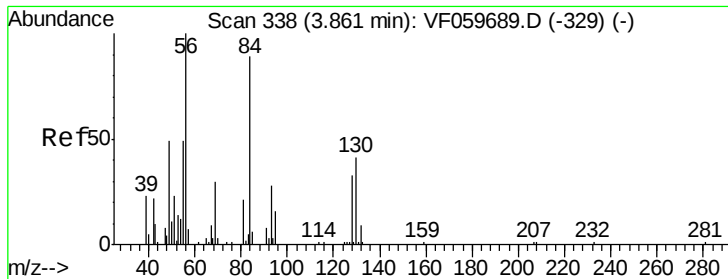
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#30
Chloroform
Concen: 21.42 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.7	49.4	74.0





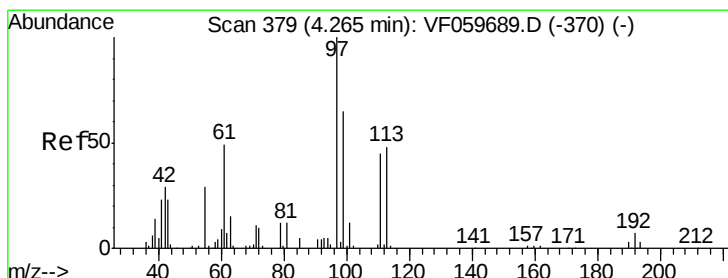
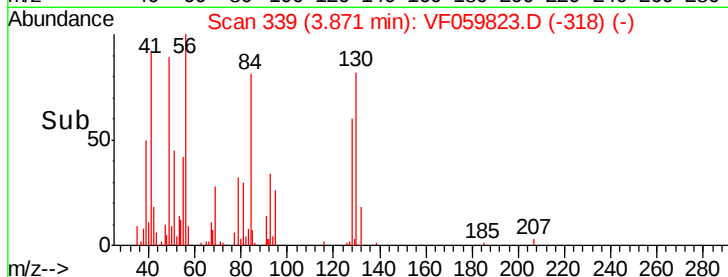
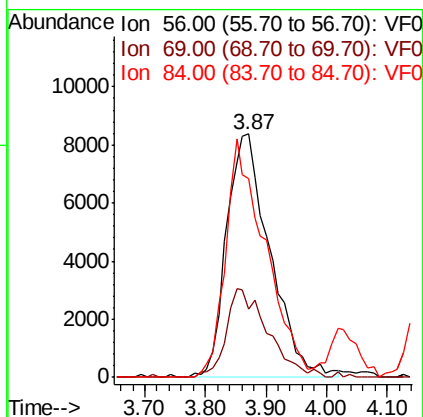
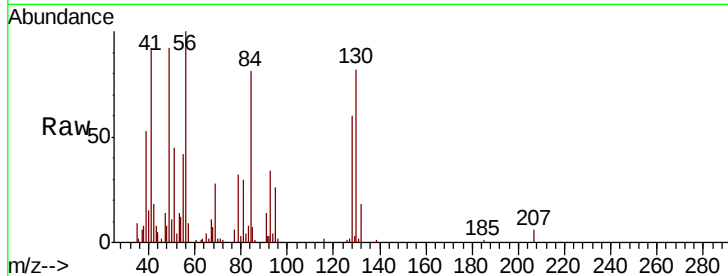
#31
Cvclohexane
Concen: 23.95 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.7	35.5
84	81.5	71.1	106.7

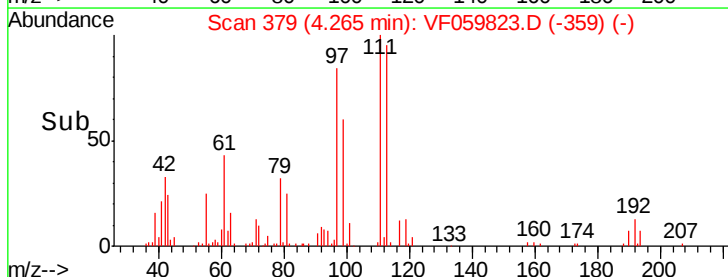
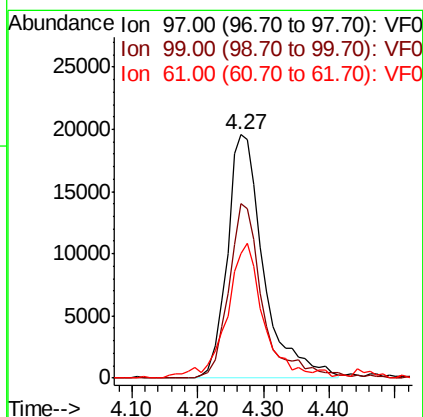
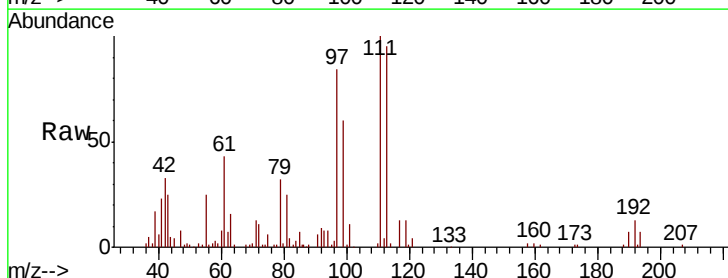
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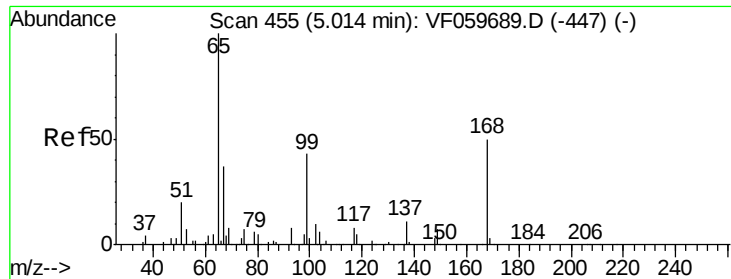
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#32
1,1,1-Trichloroethane
Concen: 21.01 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	71.6	52.4	78.6
61	51.0	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 50.08 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 65 Resp: 163028

Ion Ratio Lower Upper

65 100

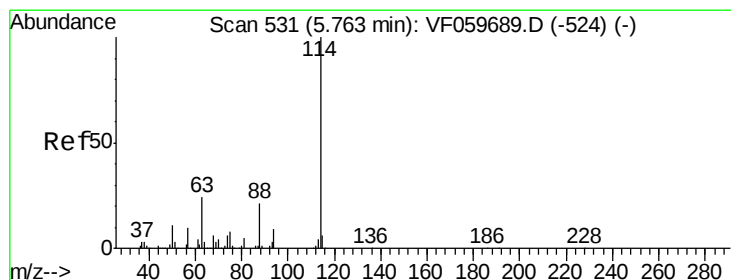
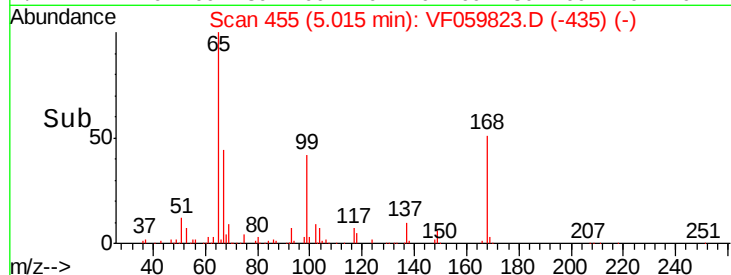
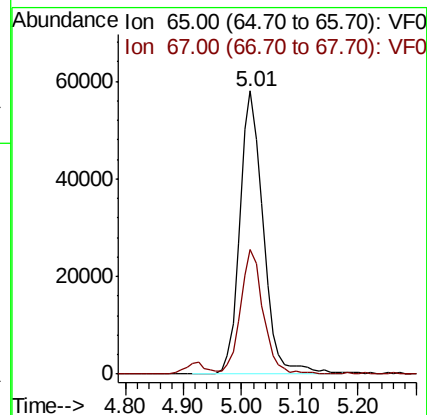
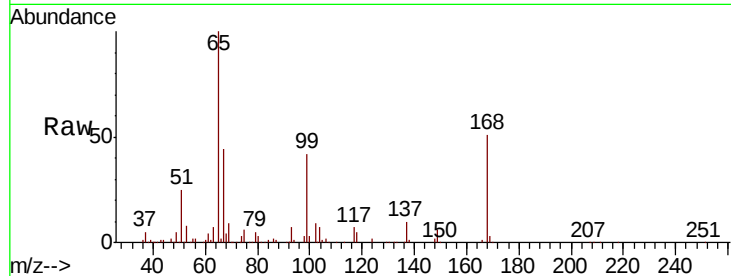
67 43.9 0.0 84.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

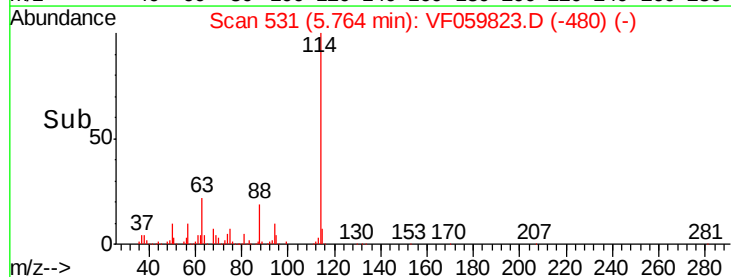
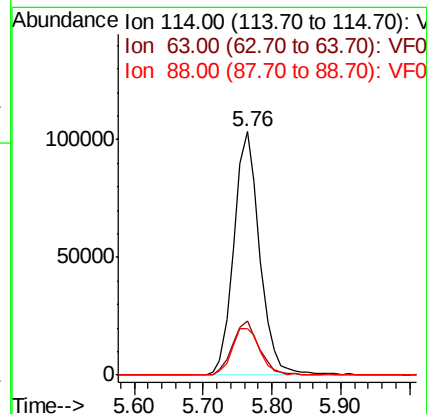
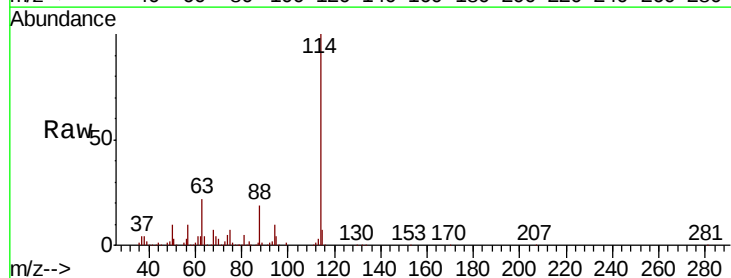
Tgt Ion: 114 Resp: 269183

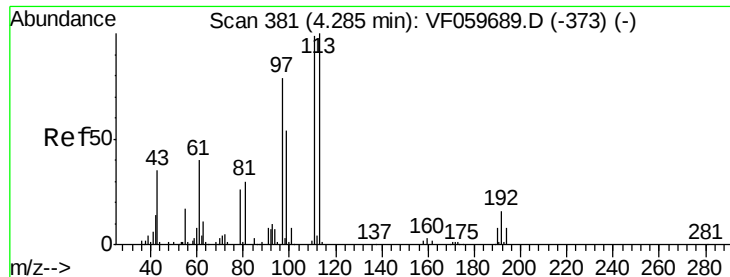
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.4

88 18.9 0.0 41.2





#35

Dibromofluoromethane

Concen: 47.58 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

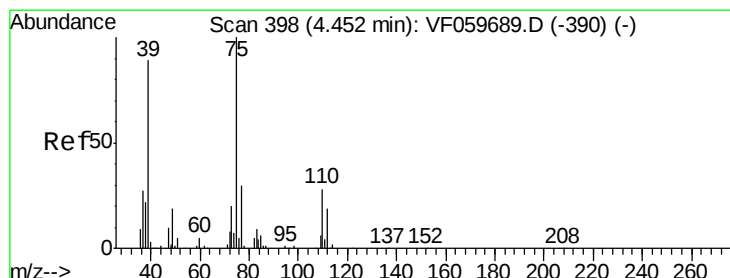
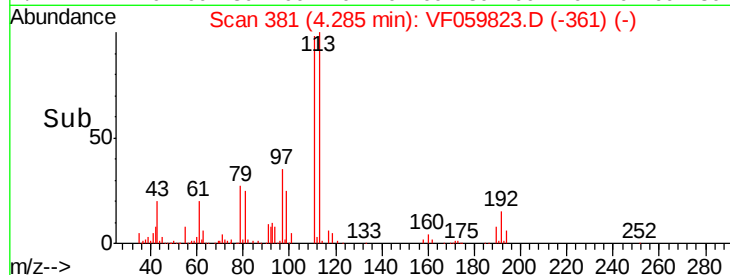
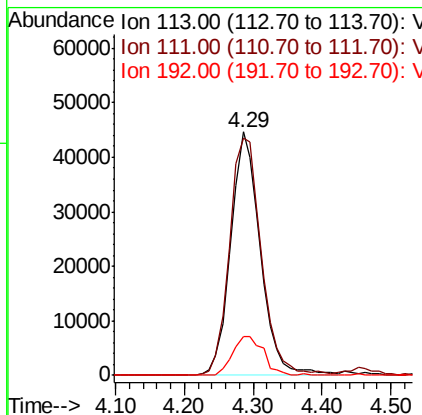
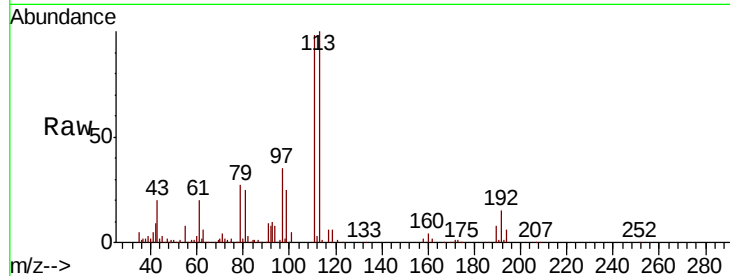
ClientSampleId :

VF0802SBS02

Tot Ion:	113	Resp:	133038
Ion Ratio	Lower	Upper	
113	100		
111	97.5	79.0	118.4
192	15.7	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 19.66 ug/l

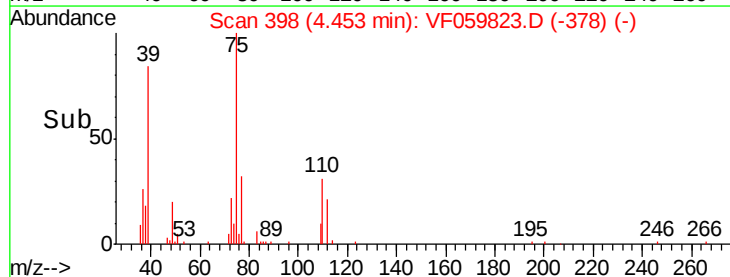
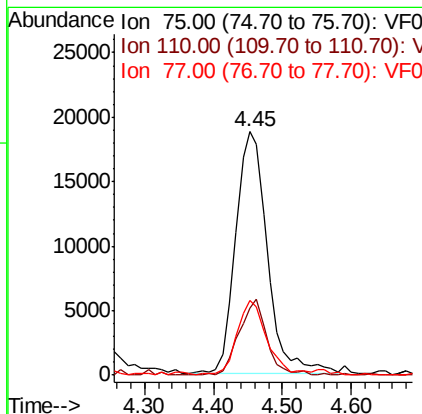
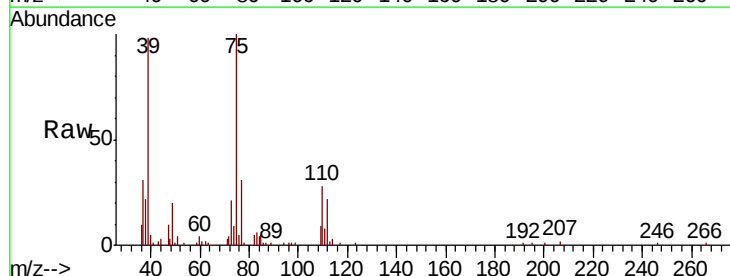
RT: 4.45 min Scan# 398

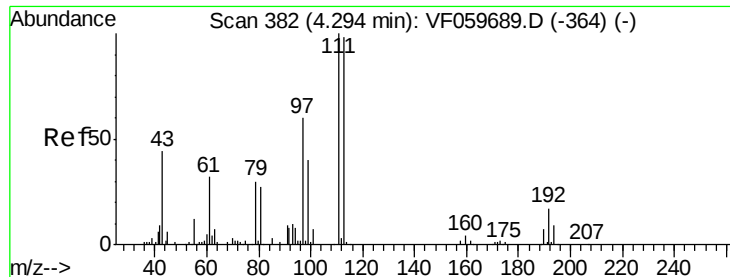
Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion:	75	Resp:	60118
Ion Ratio	Lower	Upper	
75	100		
110	27.7	14.0	41.9
77	30.8	24.2	36.2





#37

Ethyl Acetate

Concen: 21.18 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

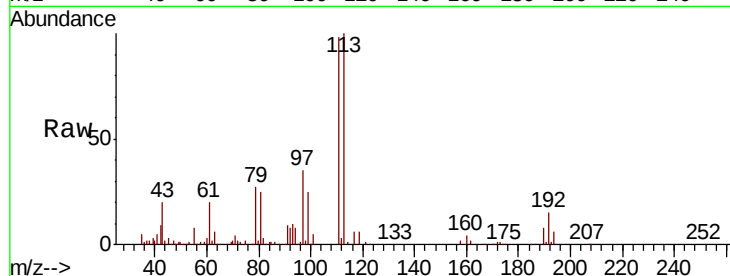
ClientSampleId :

VF0802SBS02

Tot Ion:	43	Resp:	32041
Ion Ratio	Lower	Upper	
43	100		
61	100.4	58.2	87.2#
70	8.2	6.0	9.0

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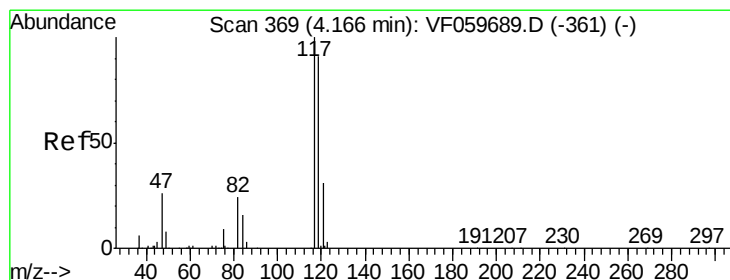
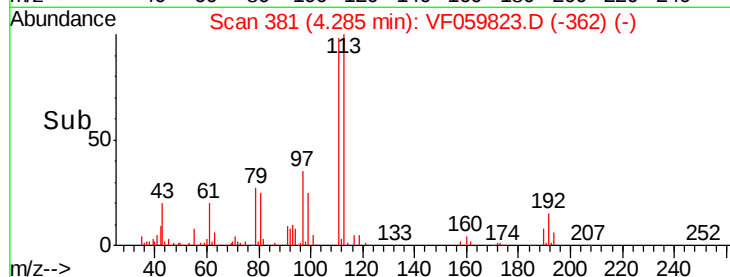
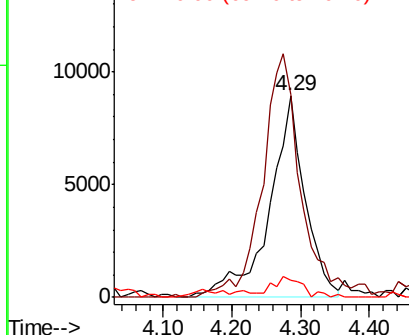


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 20.13 ug/l m

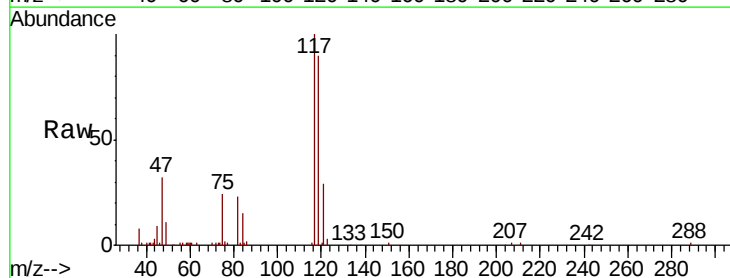
RT: 4.17 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion:	117	Resp:	86132
Ion Ratio	Lower	Upper	
117	100		
119	90.3	72.9	109.3
121	28.7	25.0	37.4

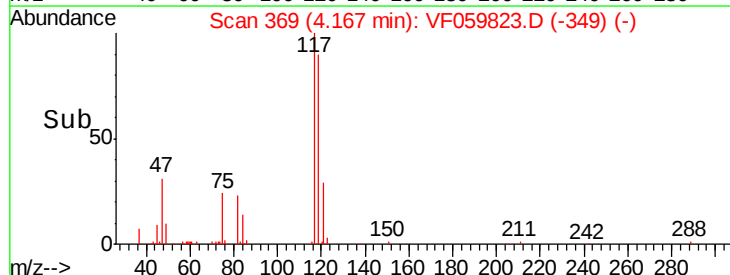
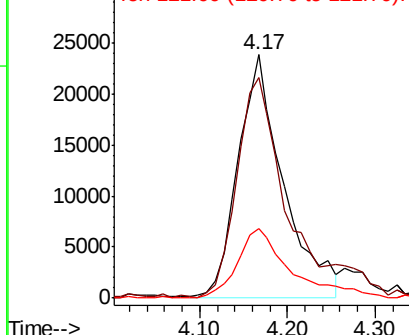


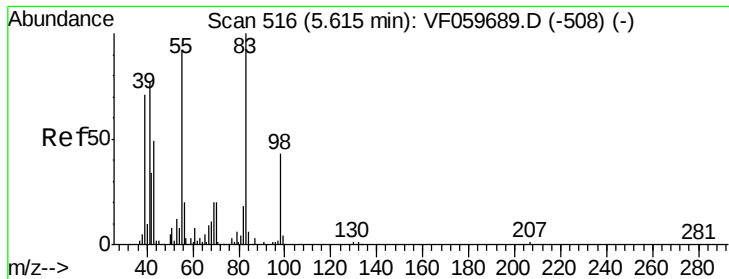
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





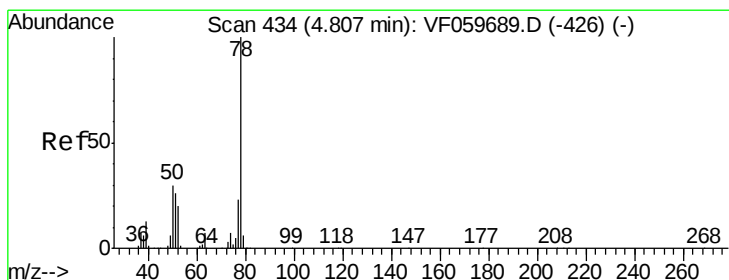
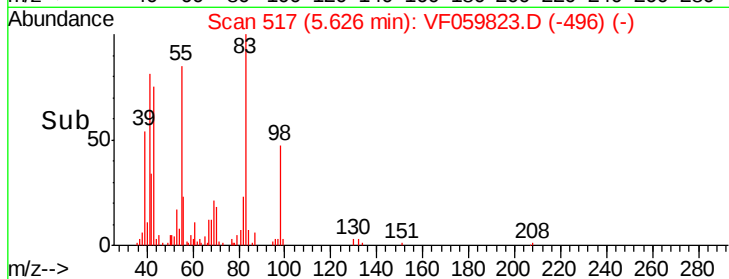
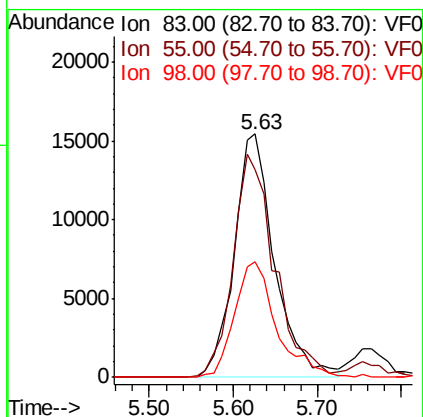
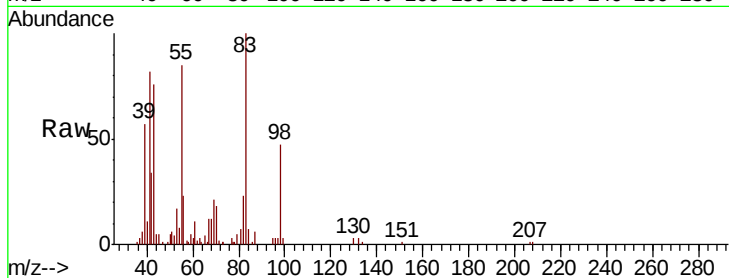
#39
Methvlcvclohexane
Concen: 22.37 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	73.4	110.2
98	47.4	34.2	51.4

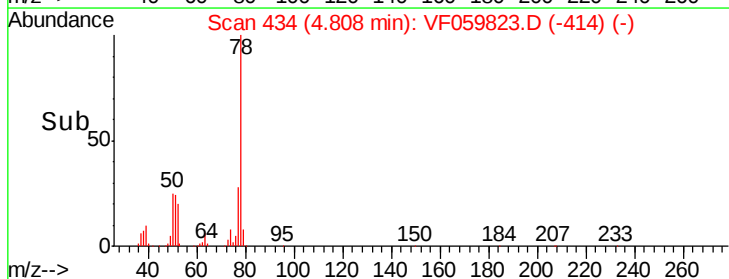
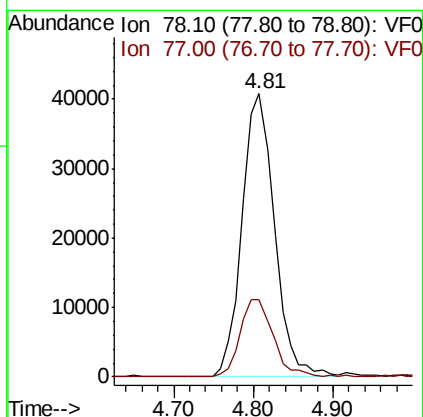
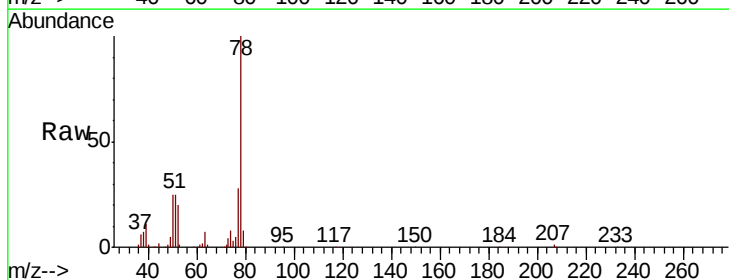
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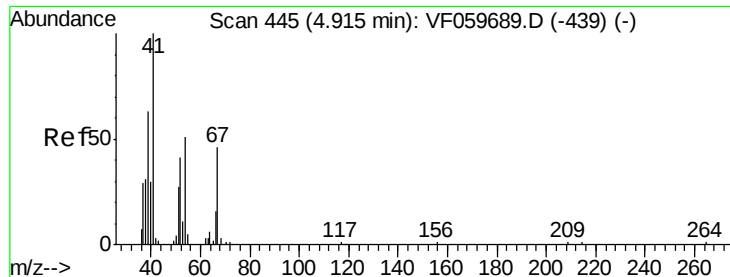
apatel
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#40
Benzene
Concen: 21.16 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.5	18.9	28.3





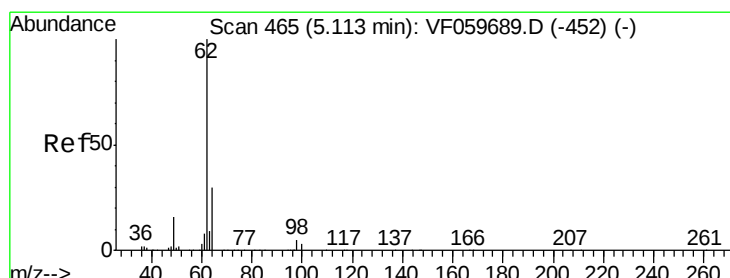
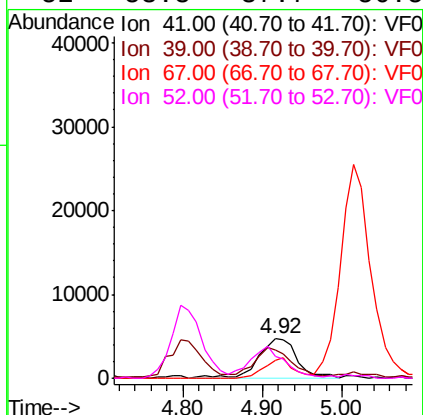
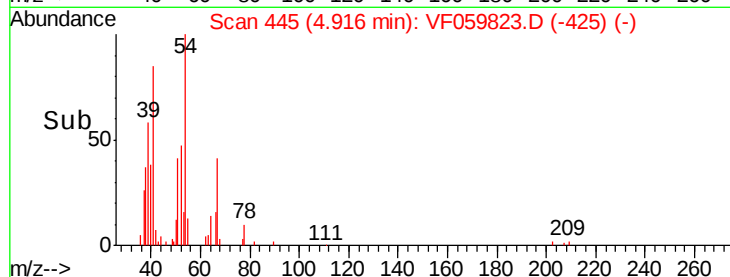
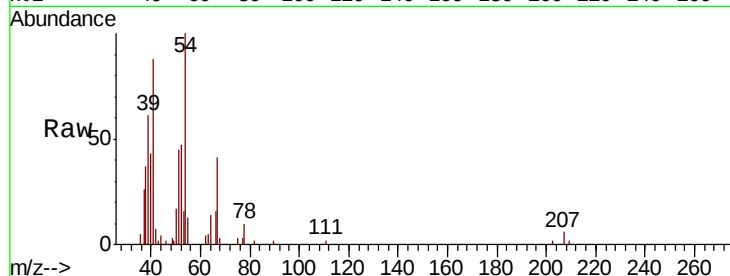
#41
Methacrylonitrile
Concen: 21.66 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.9	55.2	82.8
67	46.9	36.2	54.2
52	53.8	37.7	56.5

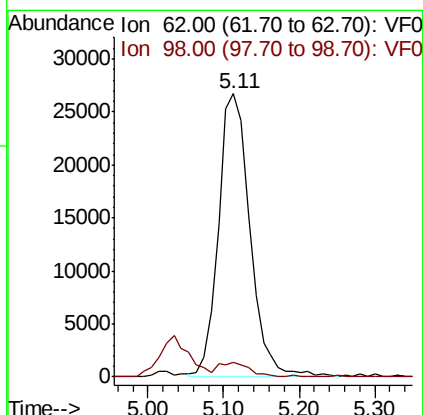
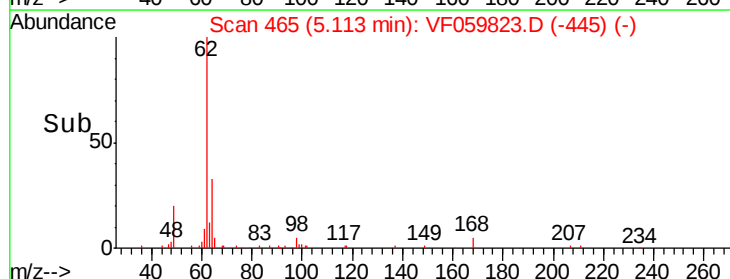
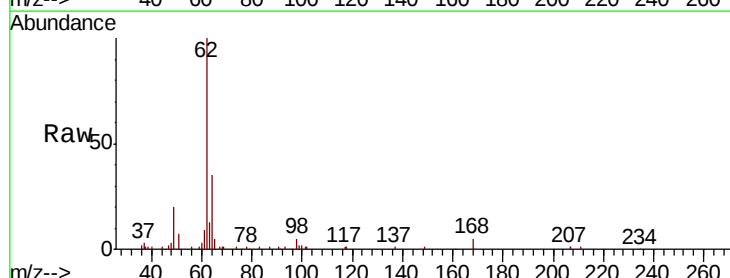
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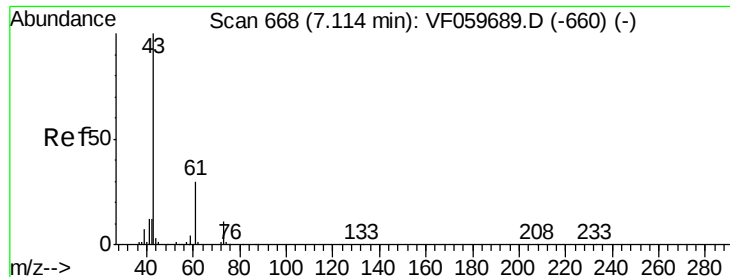
apatel
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#42
1,2-Dichloroethane
Concen: 20.36 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	9.6





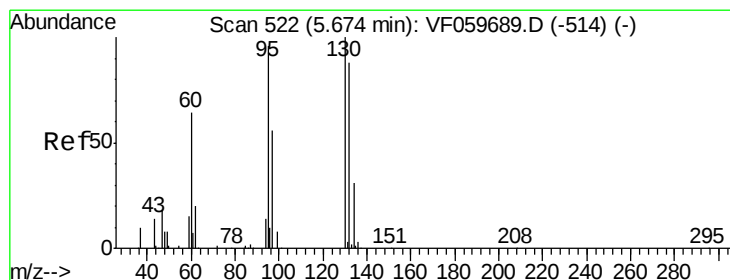
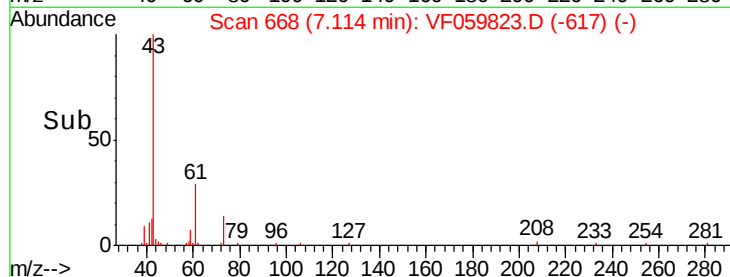
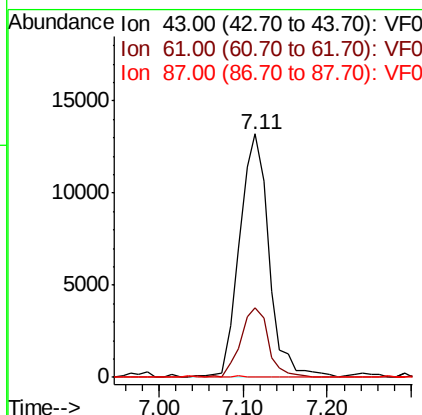
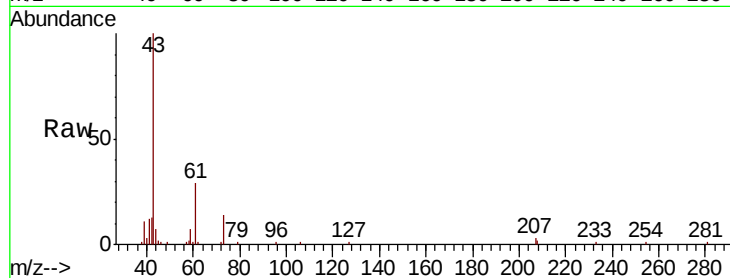
#43
Isopropyl Acetate
Concen: 20.03 ug/l
RT: 7.11 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.8	35.8
87	0.0	0.6	1.0#

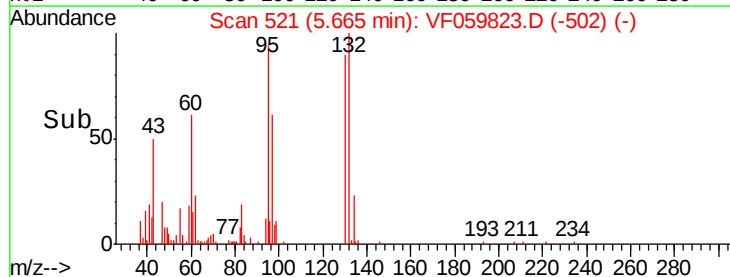
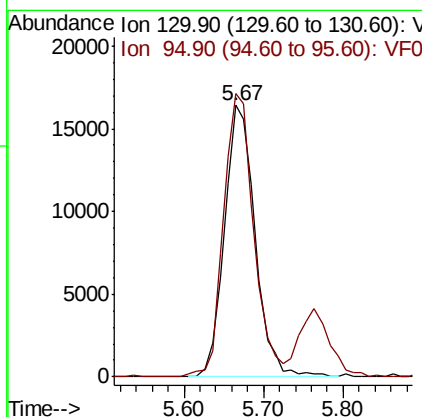
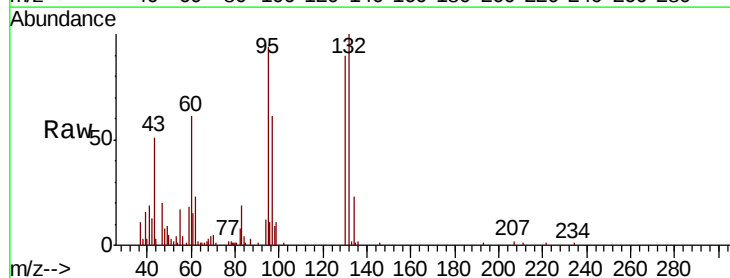
Manual Integrations
APPROVED

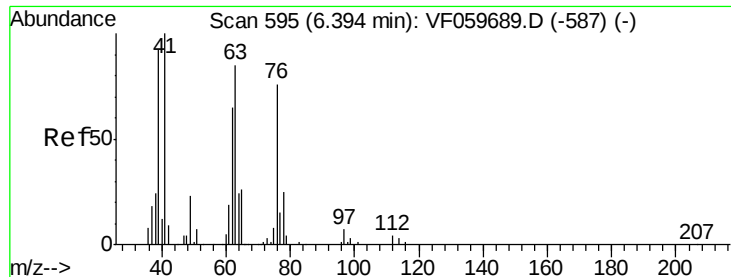
apatel
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#44
Trichloroethene
Concen: 21.30 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	191.0





#45

1,2-Dichloropropane

Concen: 22.66 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 63 Resp: 32534

Ion Ratio Lower Upper

63 100

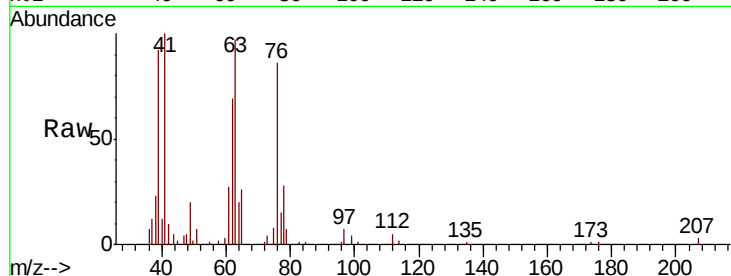
65 27.1 25.2 37.8

Manual Integrations

APPROVED

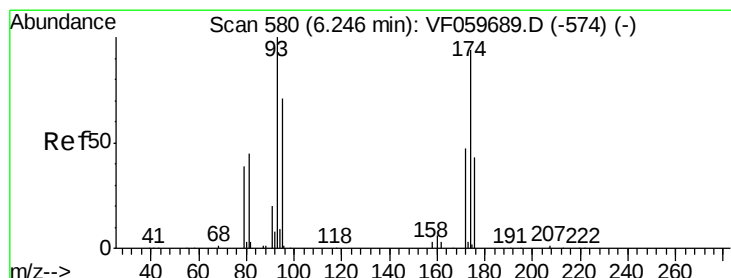
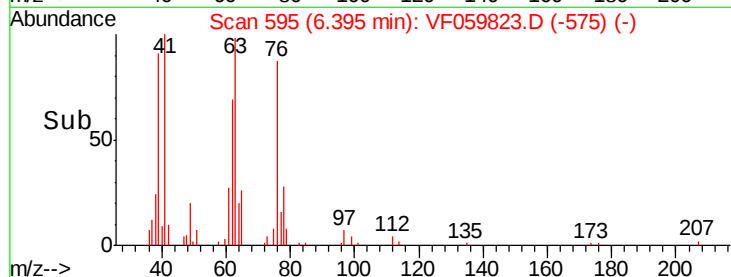
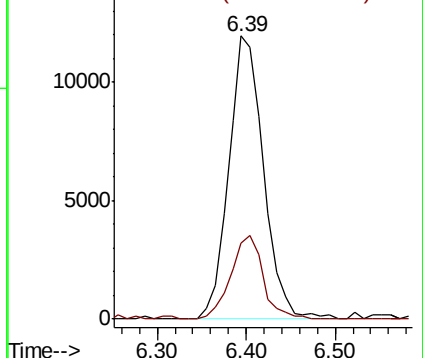
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.74 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

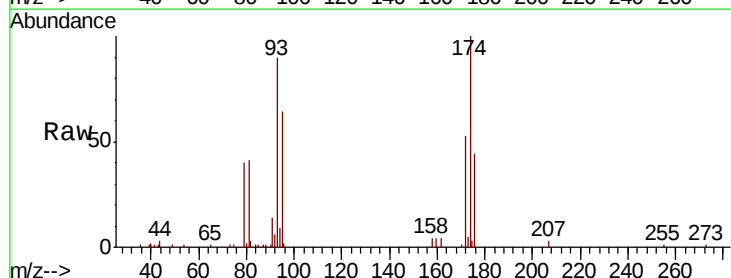
Tgt Ion: 93 Resp: 26902

Ion Ratio Lower Upper

93 100

95 71.1 57.1 85.7

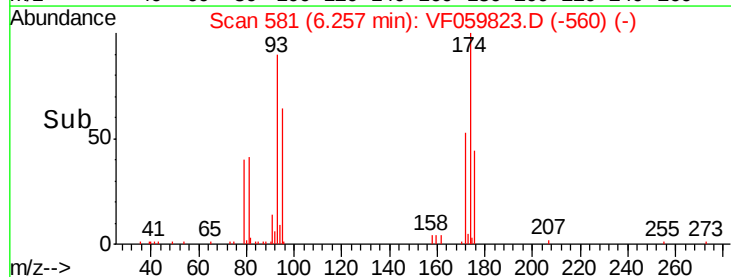
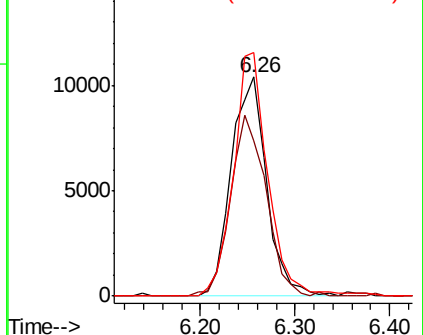
174 111.2 74.8 112.2

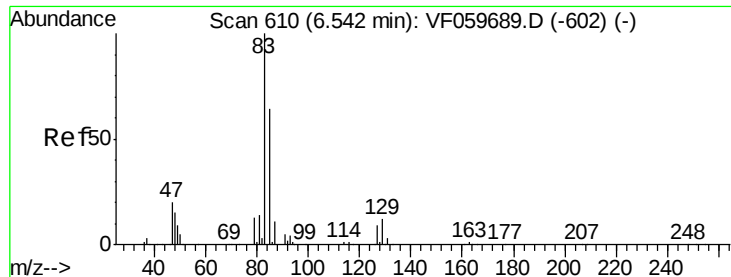


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.36 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

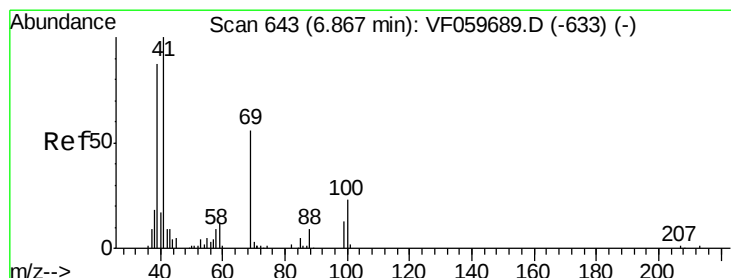
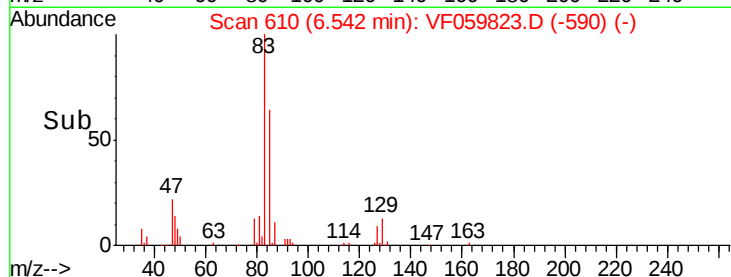
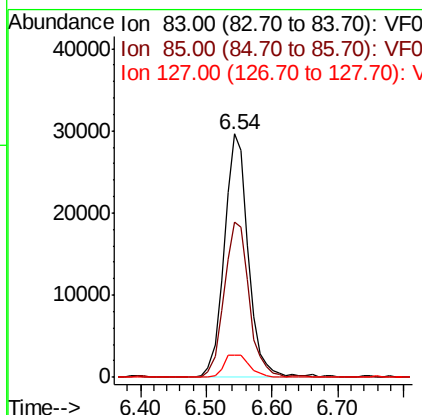
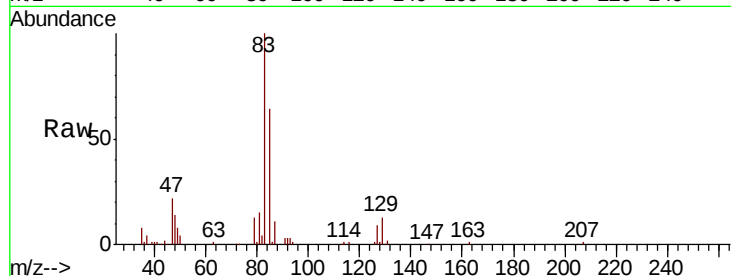
ClientSampleId :

VF0802SBS02

Tot Ion:	83	Resp:	75587
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	10.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.89 ug/l

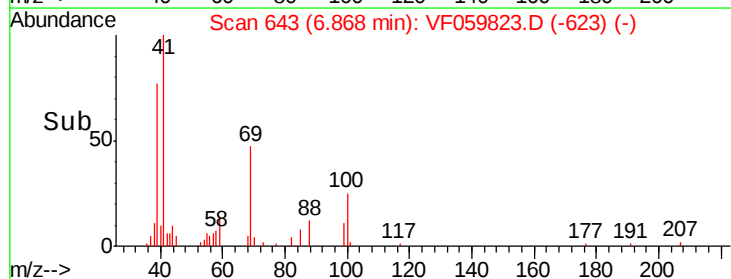
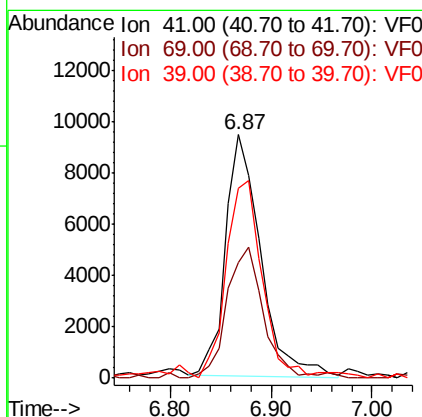
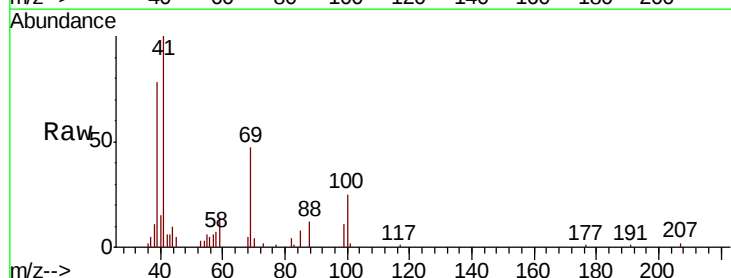
RT: 6.87 min Scan# 643

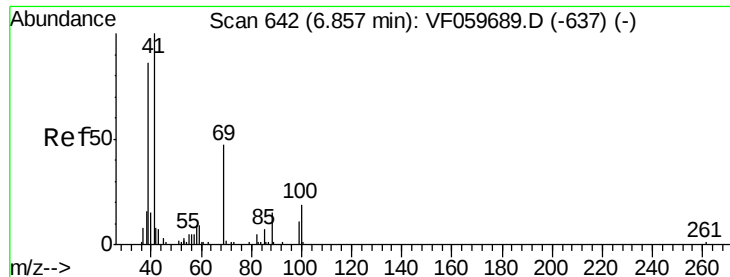
Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion:	41	Resp:	22873
Ion	Ratio	Lower	Upper
41	100		
69	47.3	44.4	66.6
39	78.2	69.4	104.2





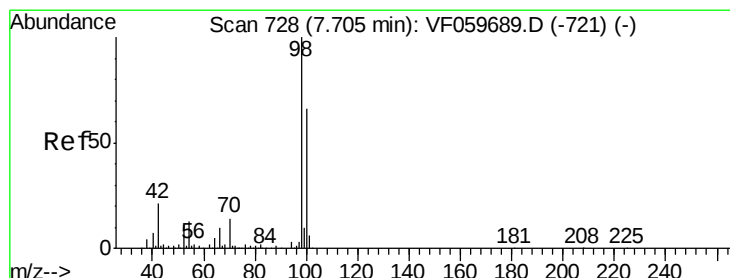
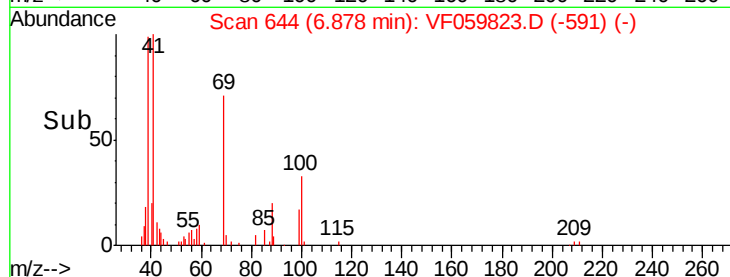
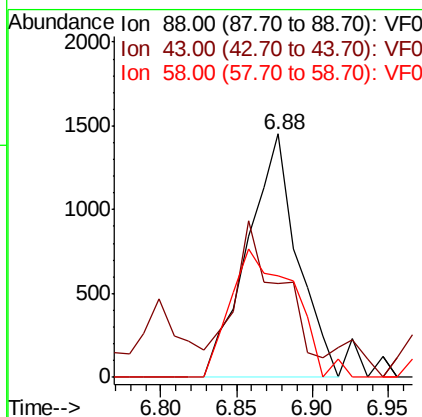
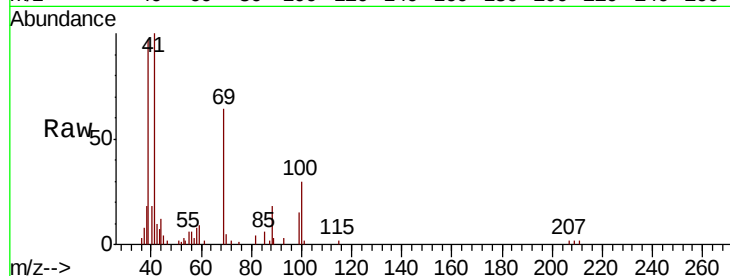
#49
1,4-Dioxane
Concen: 404.47 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	45.2	67.8#
58	41.6	49.0	73.6#

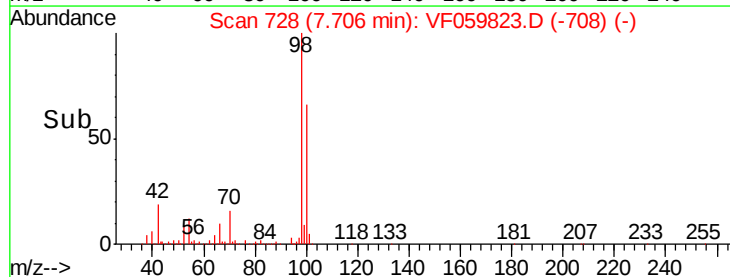
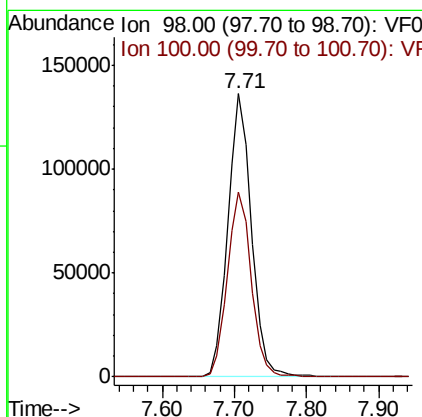
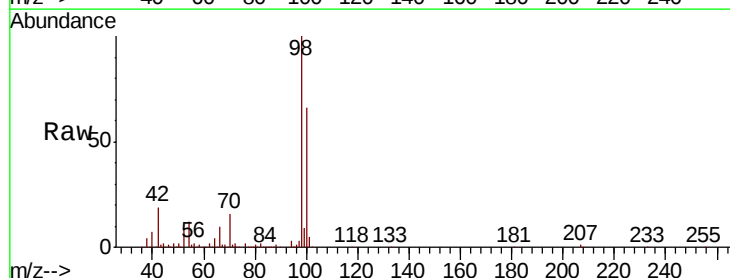
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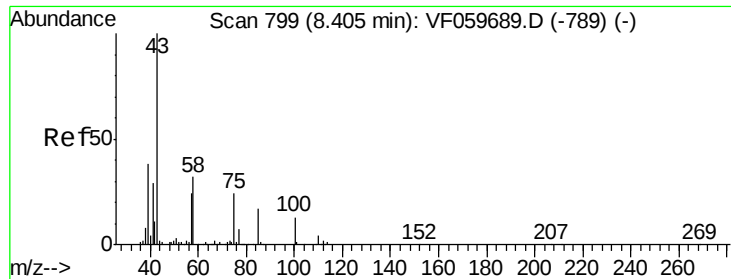
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#50
Toluene-d8
Concen: 47.59 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 104.26 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 43 Resp: 127660

Ion Ratio Lower Upper

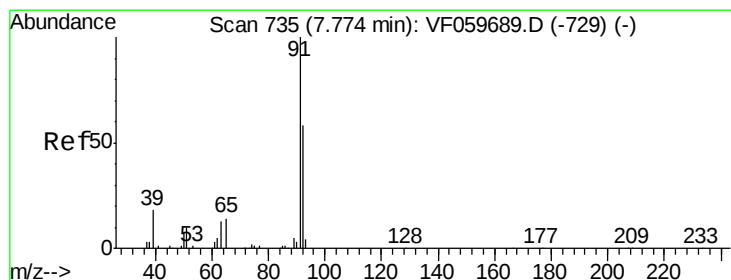
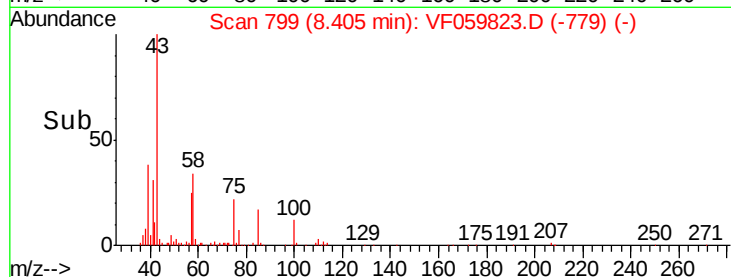
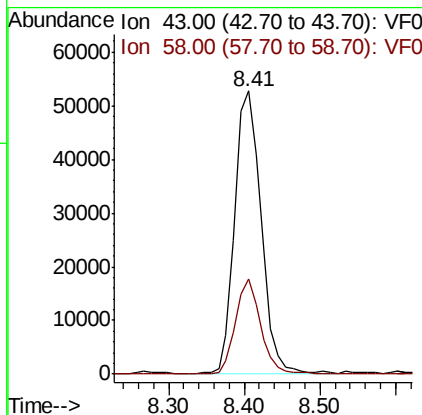
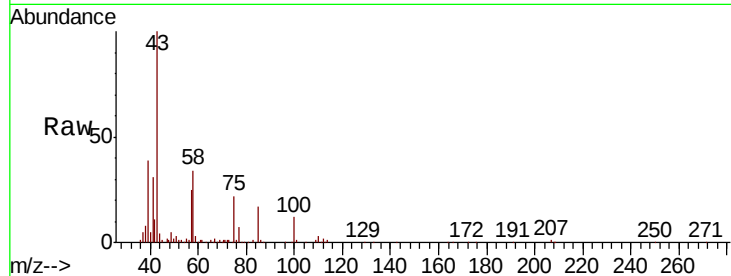
43 100

58 33.7 25.9 38.9

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#52

Toluene

Concen: 20.91 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059823.D

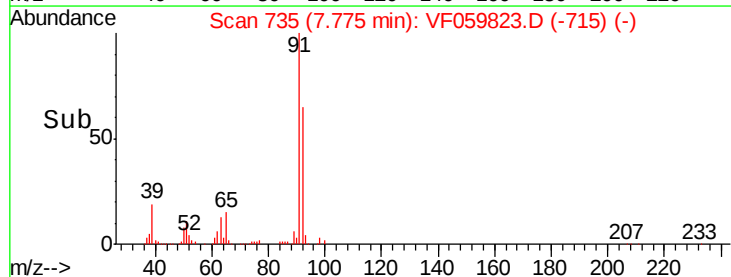
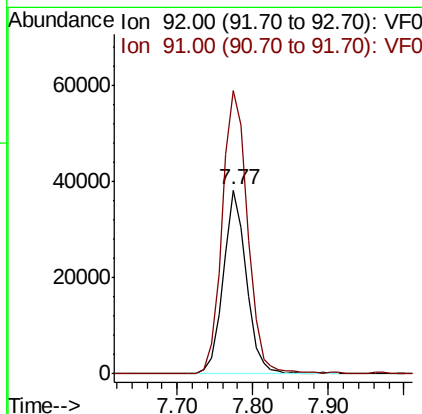
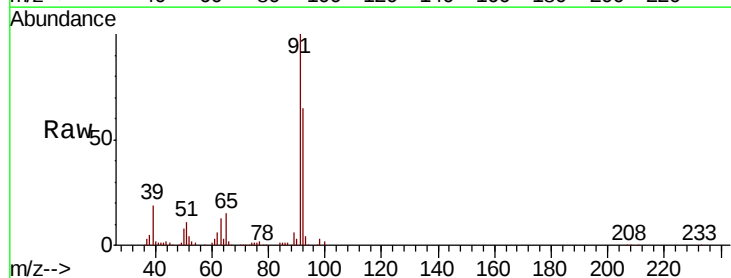
Acq: 3 Aug 2018 3:30

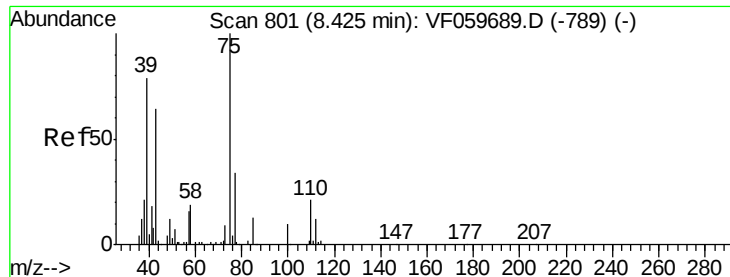
Tgt Ion: 92 Resp: 81241

Ion Ratio Lower Upper

92 100

91 153.8 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 75 Resp: 61833

Ion Ratio Lower Upper

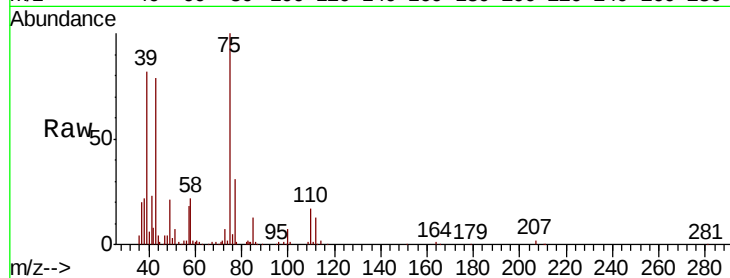
75 100

77 31.4 27.0 40.4

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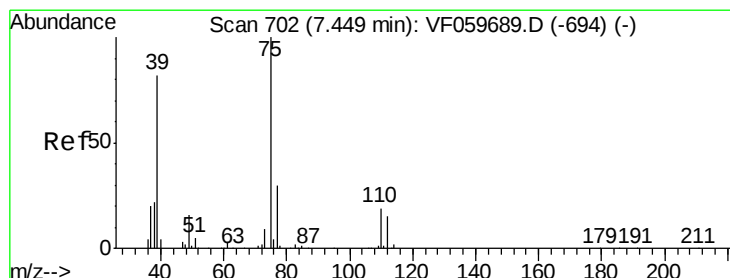
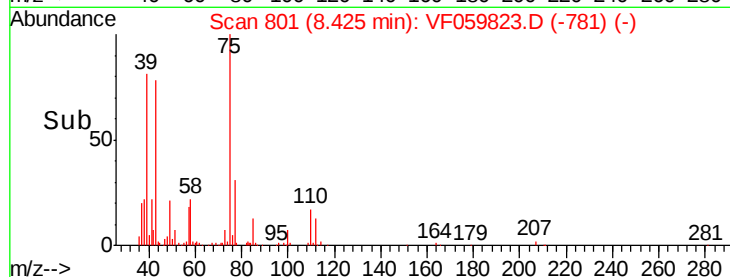
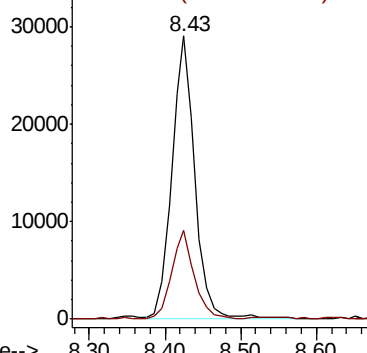
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.56 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

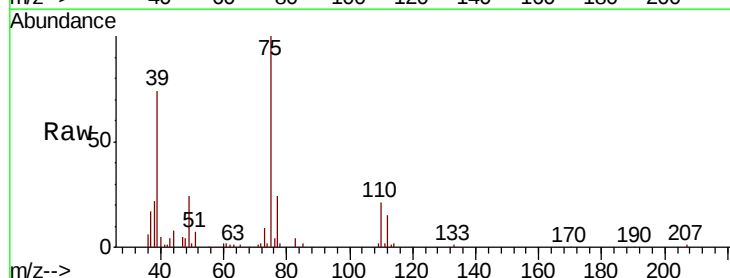
Tgt Ion: 75 Resp: 64130

Ion Ratio Lower Upper

75 100

77 24.0 24.0 36.0#

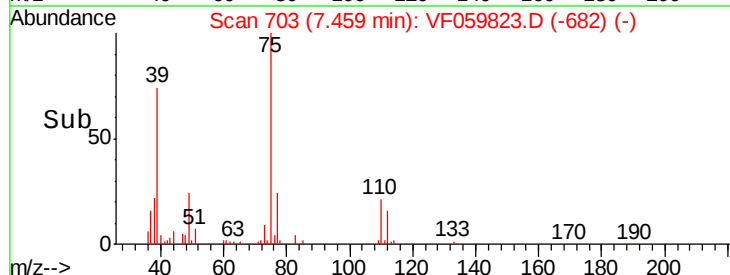
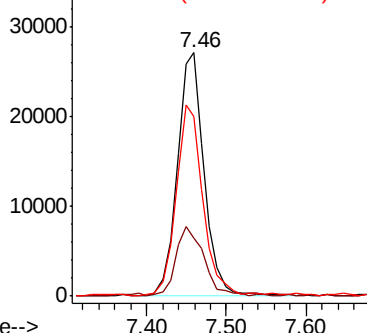
39 74.0 65.4 98.2

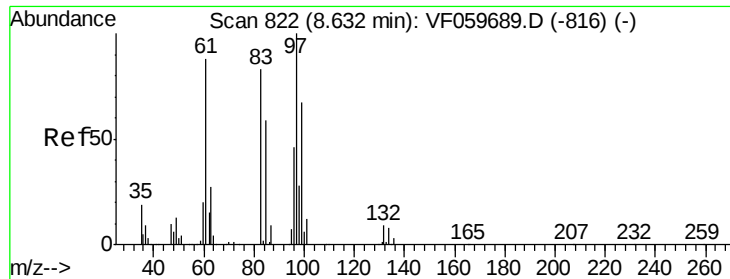


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.95 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

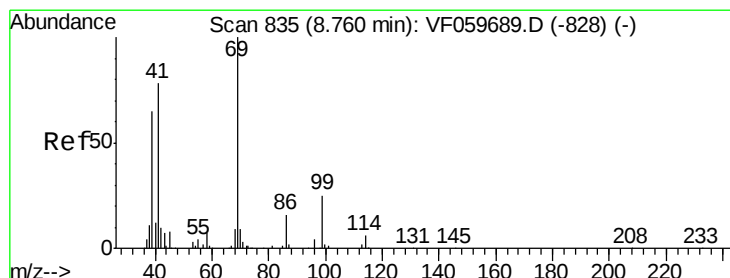
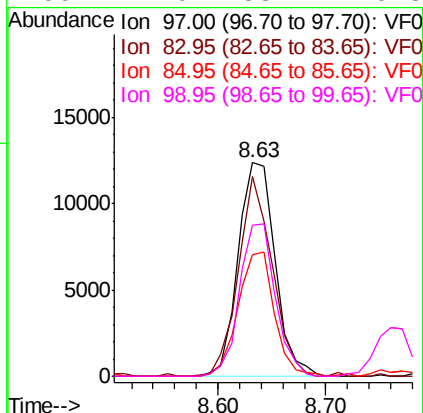
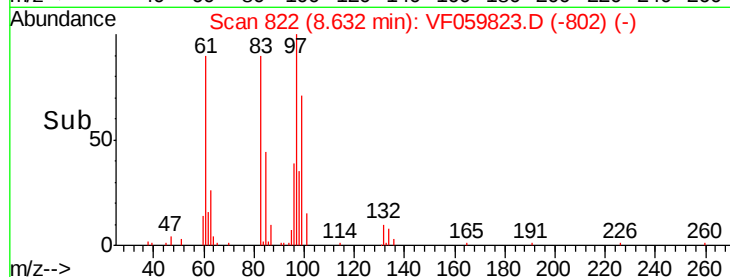
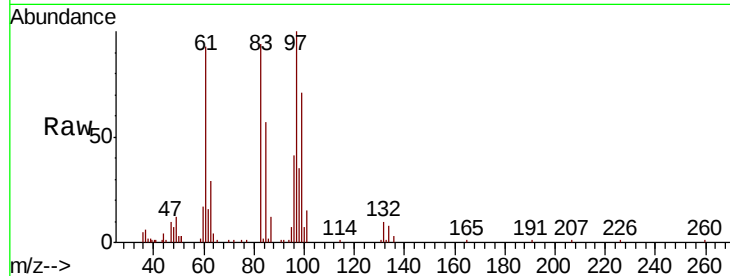
ClientSampleId :

VF0802SBS02

Tot Ion:	97	Resp:	29372
Ion	Ratio	Lower	Upper
97	100		
83	93.5	66.6	100.0
85	56.7	47.4	71.0
99	71.0	53.2	79.8

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#56

Ethyl methacrylate

Concen: 19.70 ug/l

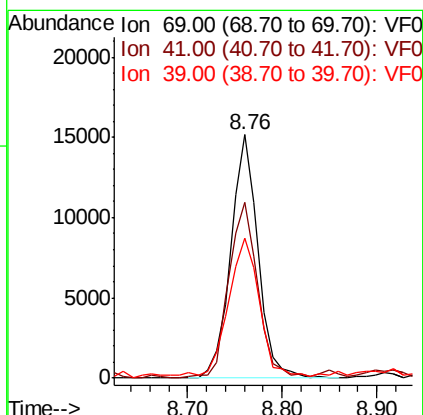
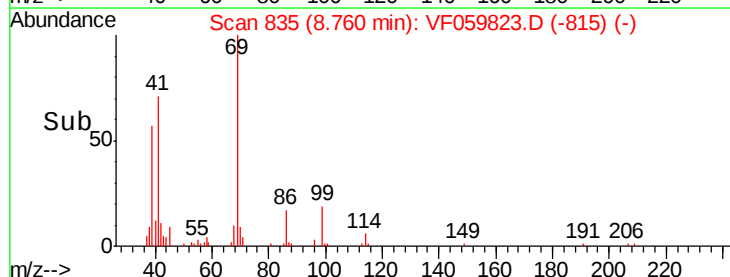
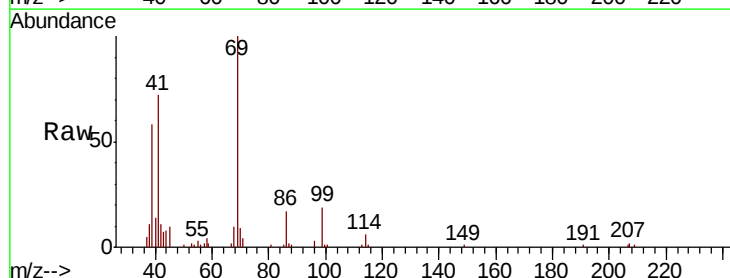
RT: 8.76 min Scan# 835

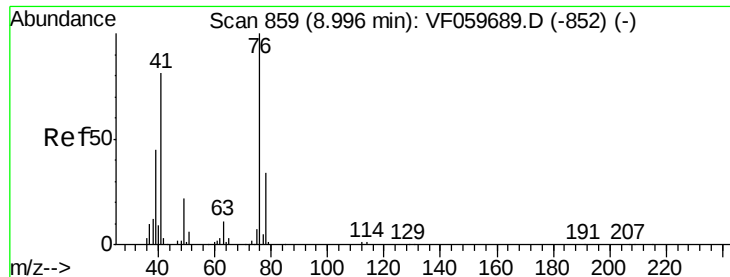
Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion:	69	Resp:	30241
Ion	Ratio	Lower	Upper
69	100		
41	72.1	62.3	93.5
39	57.6	52.4	78.6





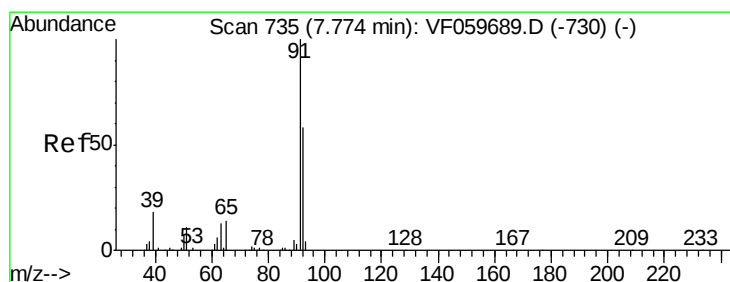
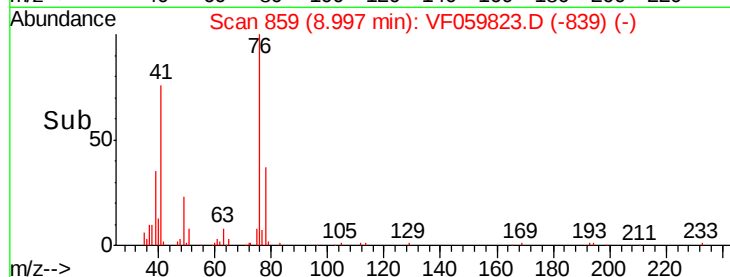
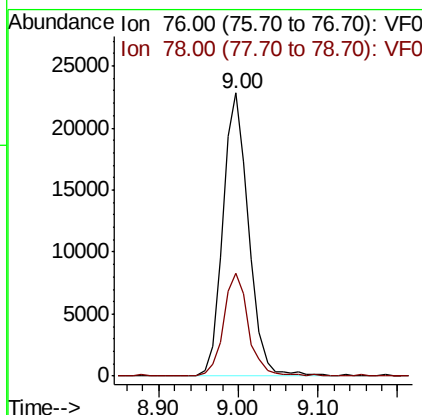
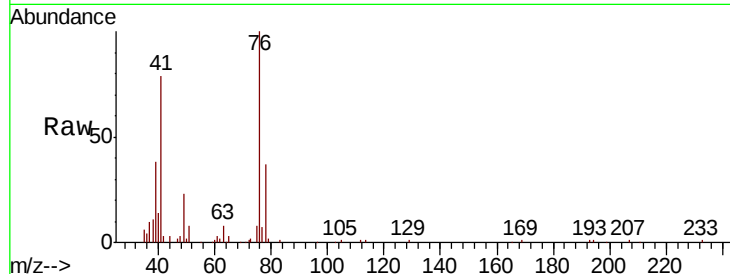
#57
 1,3-Dichloropropane
 Concen: 20.53 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.5	27.2	40.8

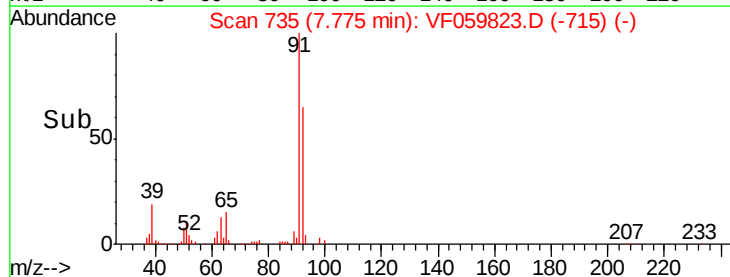
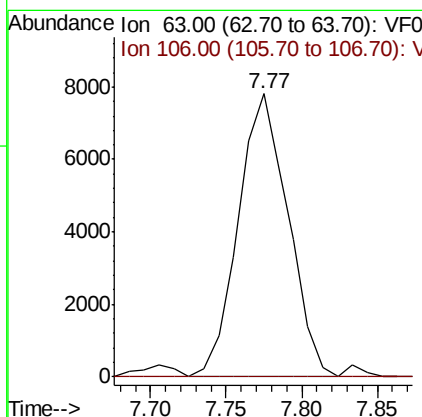
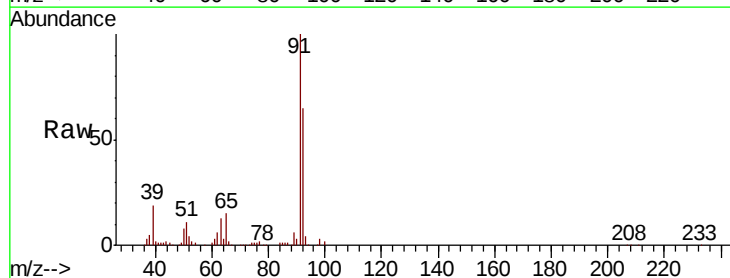
Manual Integrations
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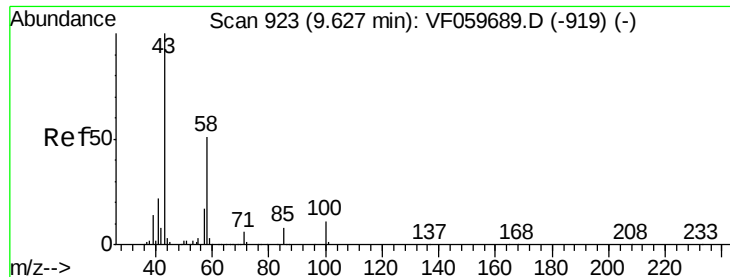
apatel
 8/3/2018 4:02:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.23 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





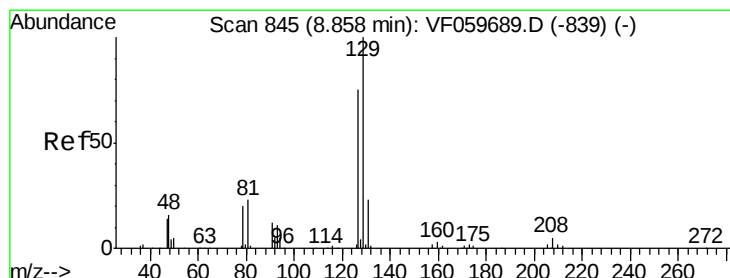
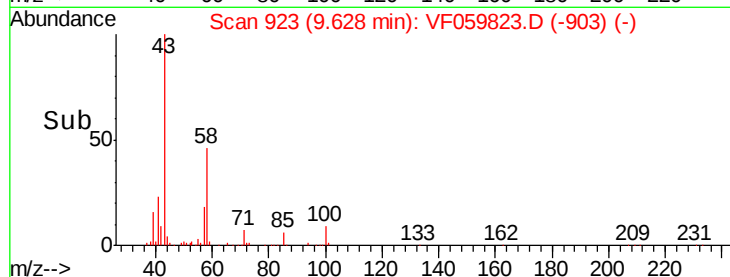
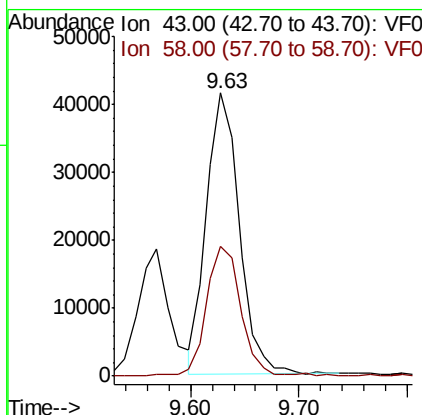
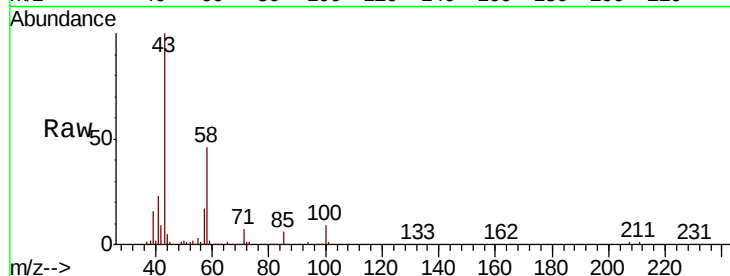
#59
2-Hexanone
Concen: 89.66 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion: 43 Resp: 87975
Ion Ratio Lower Upper
43 100
58 45.9 23.3 69.8

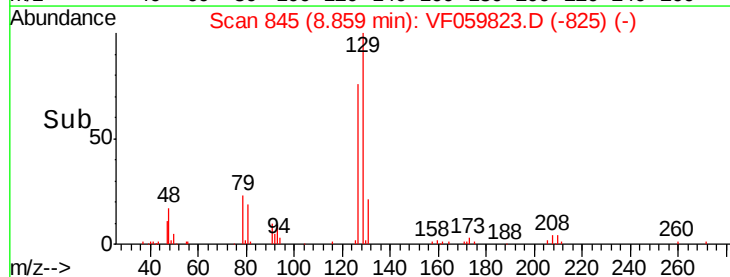
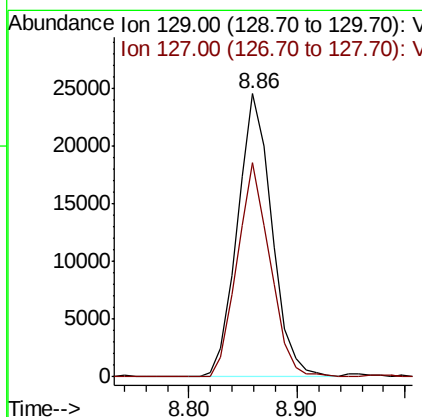
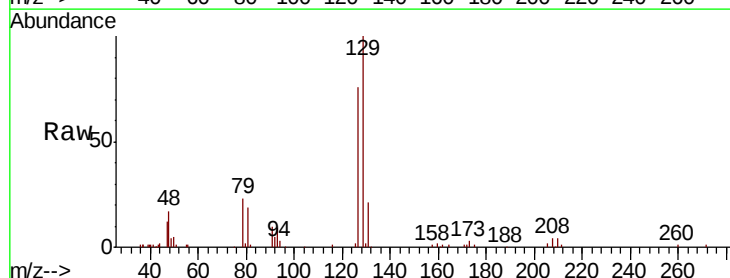
Manual Integrations
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#60
Dibromochloromethane
Concen: 20.87 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion: 129 Resp: 54209
Ion Ratio Lower Upper
129 100
127 75.9 37.7 113.1





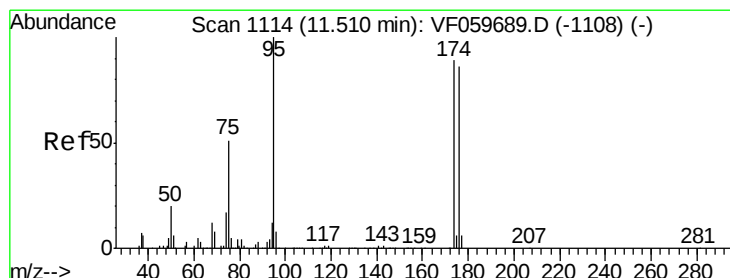
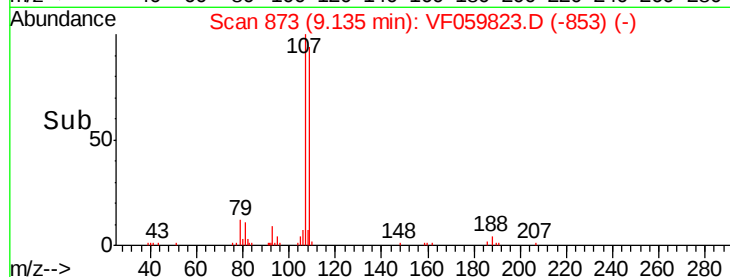
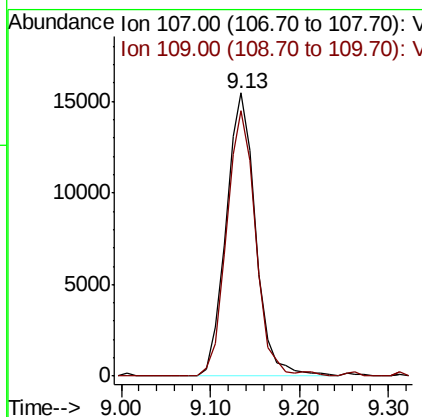
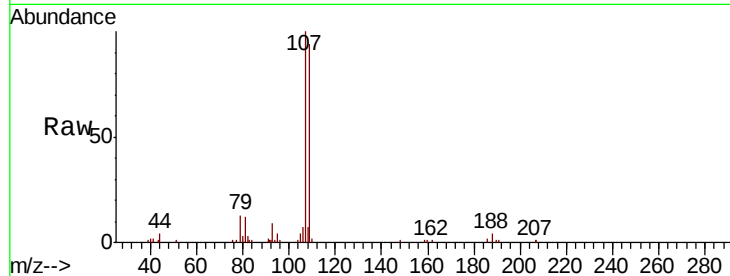
#61
1,2-Dibromoethane
Concen: 20.95 ug/l
RT: 9.13 min Scan# 873
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.6	110.4

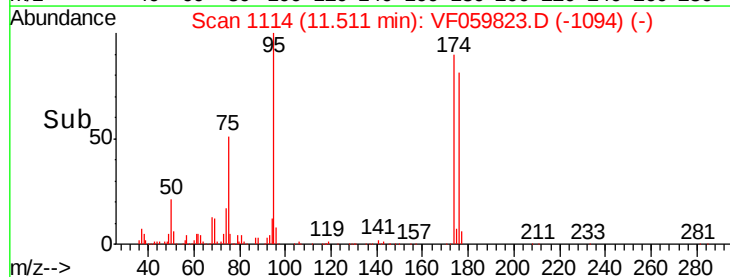
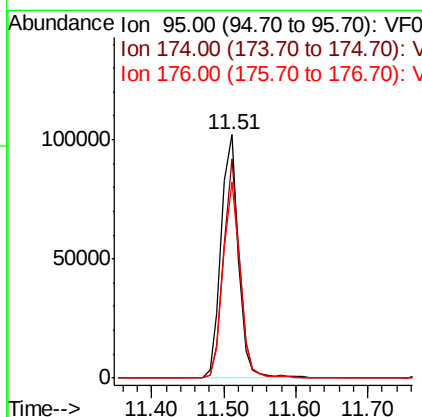
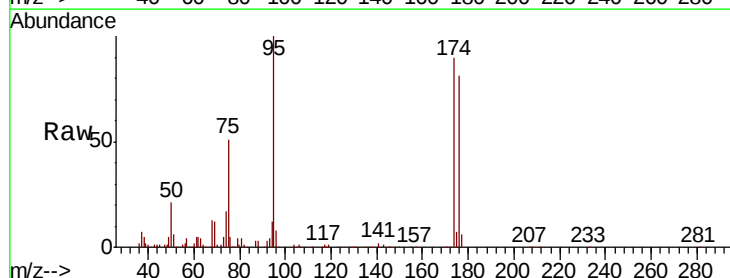
Manual Integrations
APPROVED

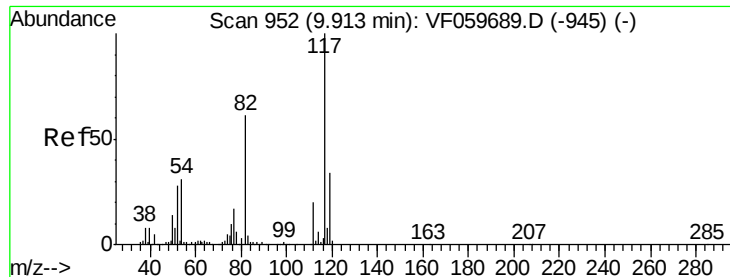
apatel
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#62
4-Bromofluorobenzene
Concen: 47.23 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	178.4
176	80.8	0.0	173.0





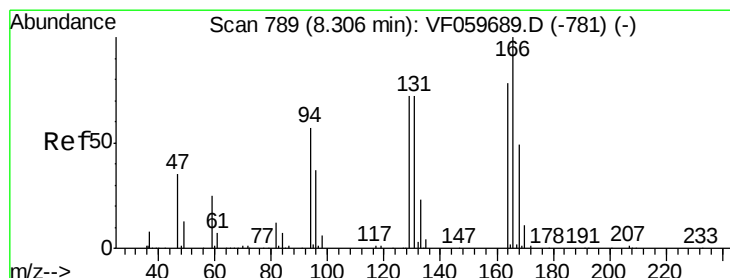
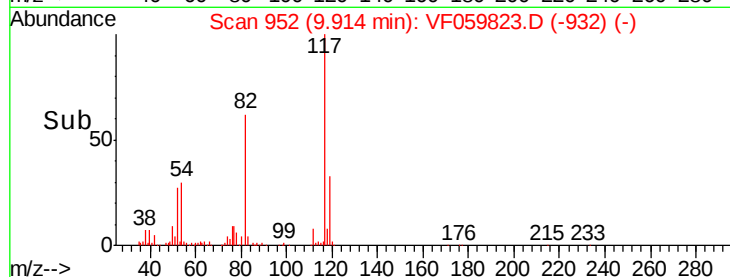
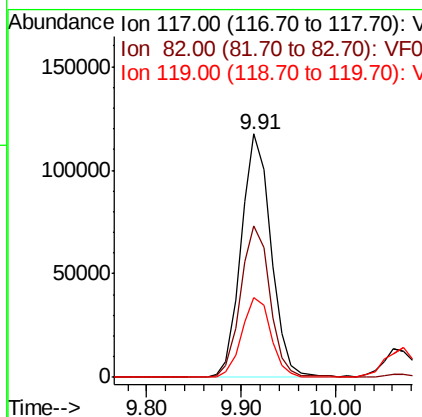
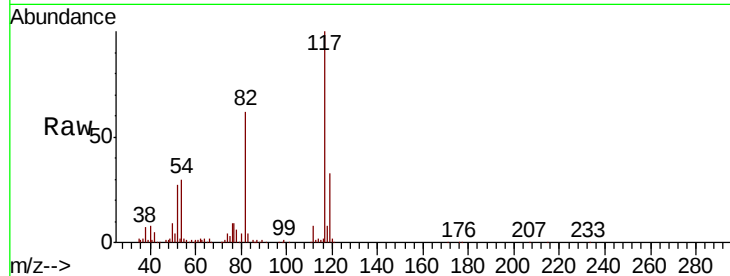
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257634		
82	62.4		49.0	73.4
119	33.0		27.3	40.9

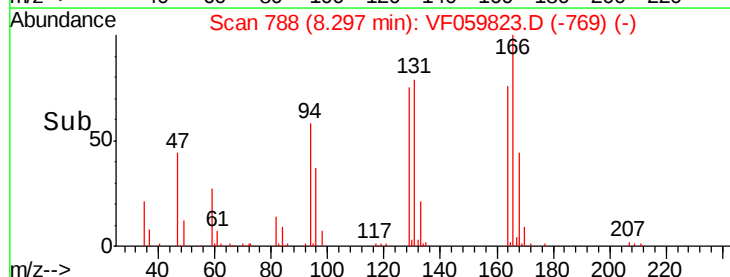
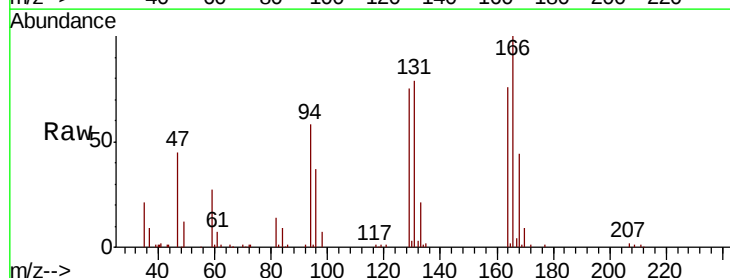
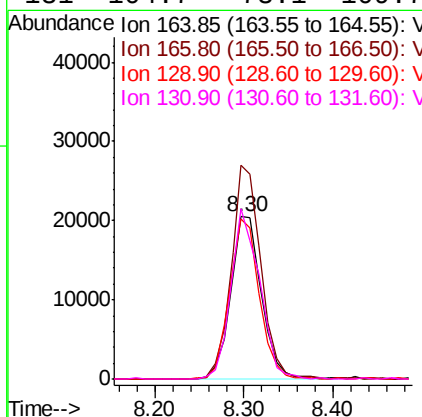
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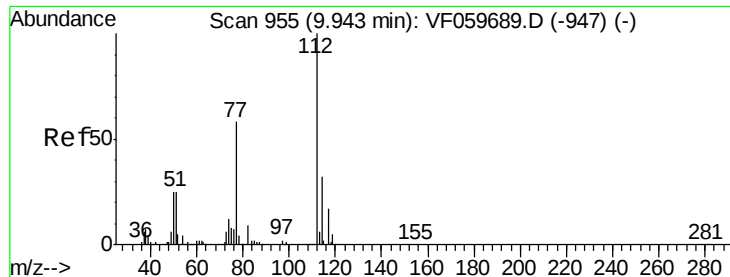
apatel
8/3/2018 4:02:59 PM



#64
Tetrachloroethene
Concen: 26.43 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49594		
166	131.8		102.1	153.1
129	98.6		73.8	110.6
131	104.7		73.1	109.7





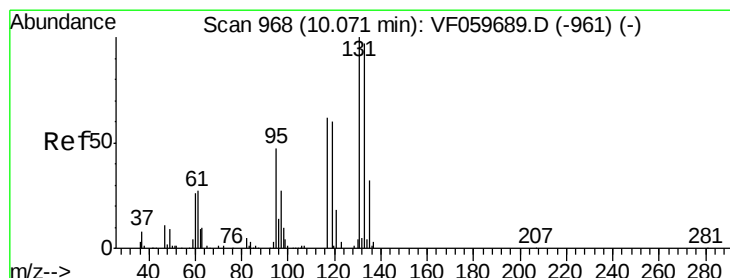
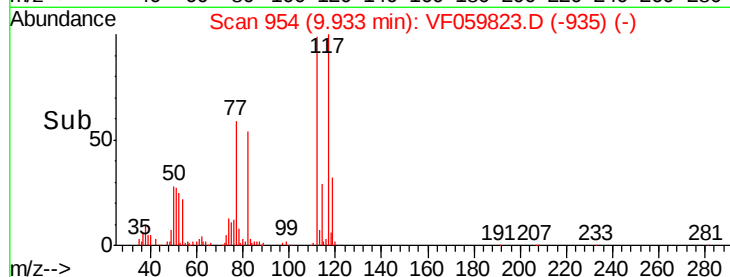
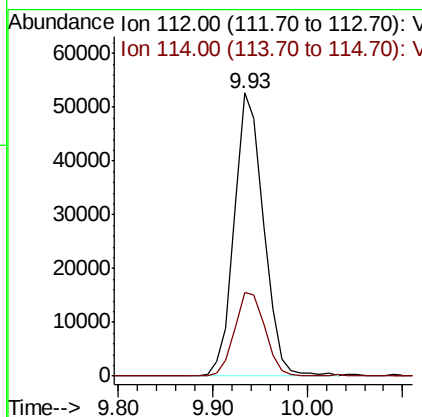
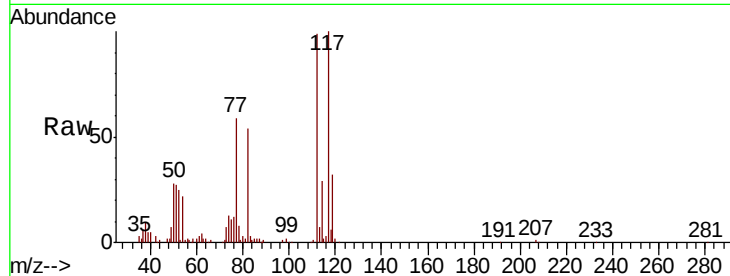
#65
Chlorobenzene
Concen: 22.03 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.6	38.4

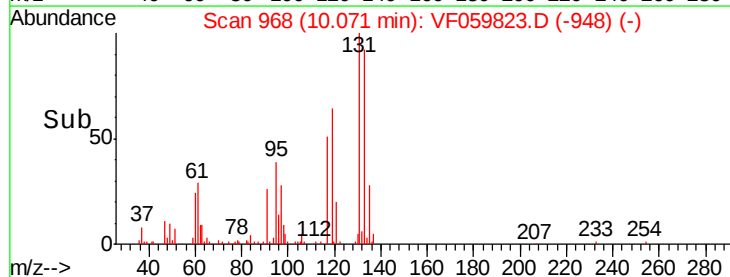
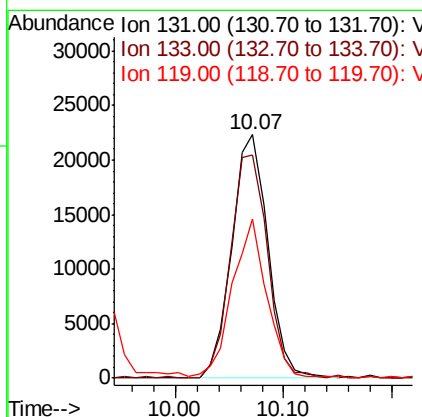
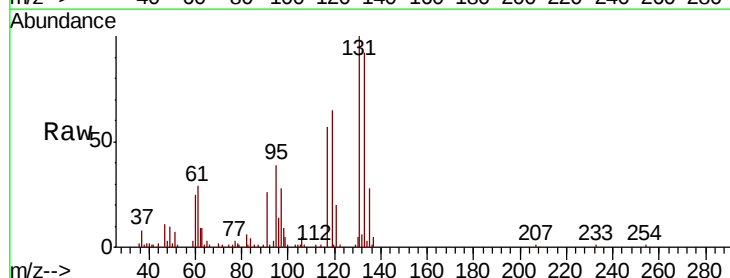
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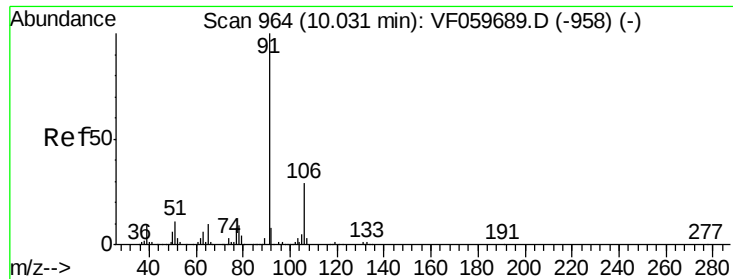
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.52 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.8	48.5	145.5
119	65.1	30.3	90.8





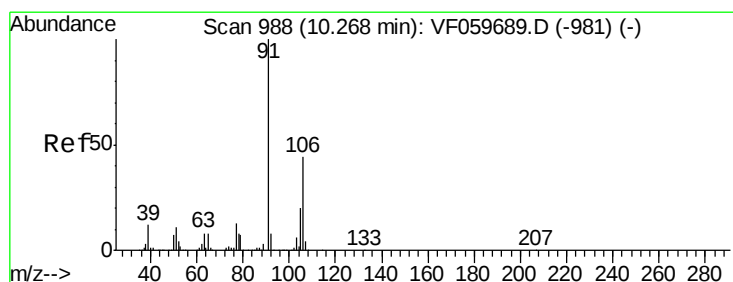
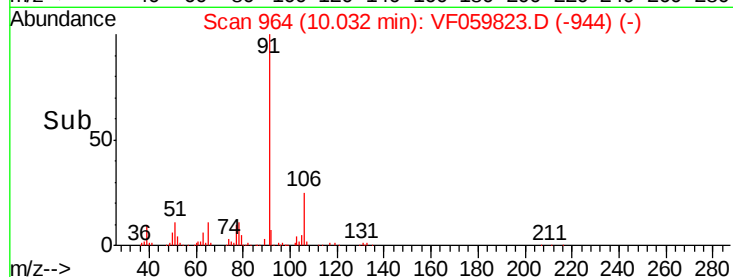
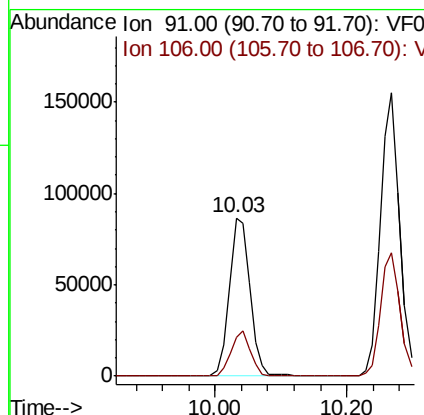
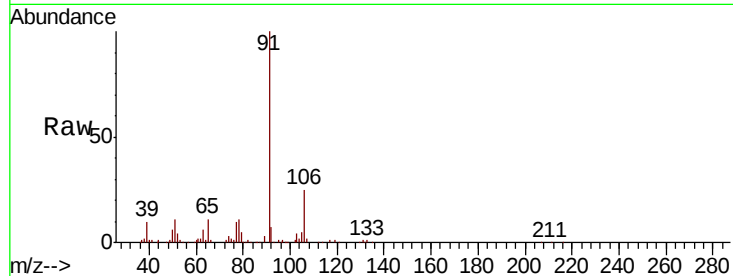
#67
Ethyl Benzene
Concen: 21.56 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion: 91 Resp: 192284
Ion Ratio Lower Upper
91 100
106 24.6 22.9 34.3

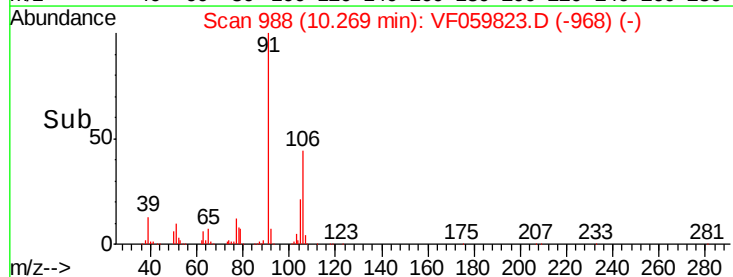
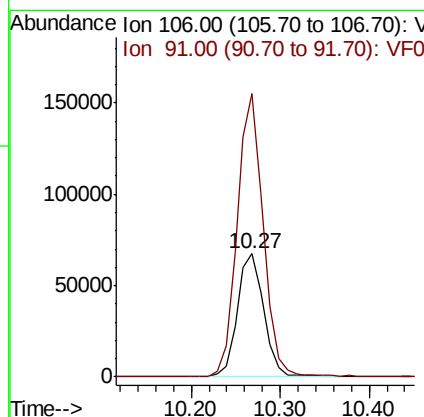
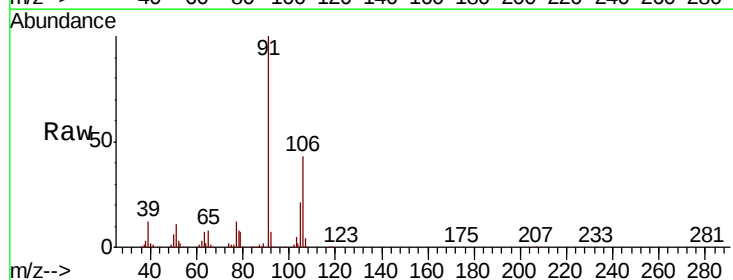
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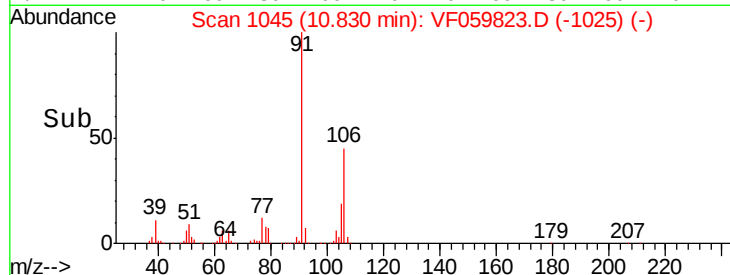
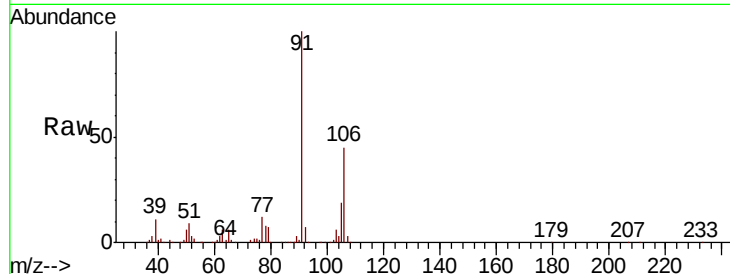
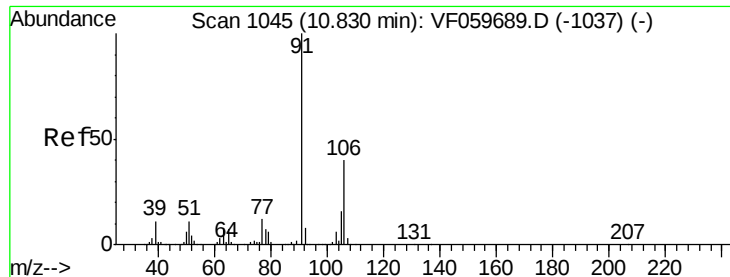
apatel
8/3/2018 4:02:59 PM



#68
m/p-Xylenes
Concen: 46.10 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion: 106 Resp: 140271
Ion Ratio Lower Upper
106 100
91 230.2 181.7 272.5





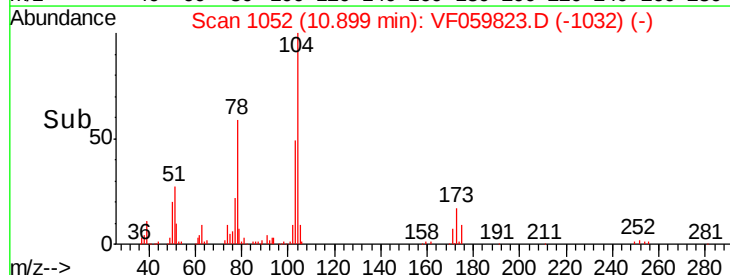
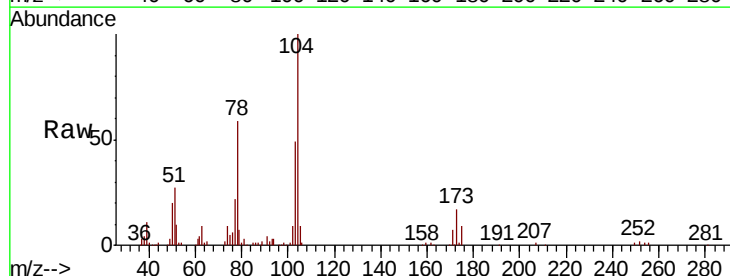
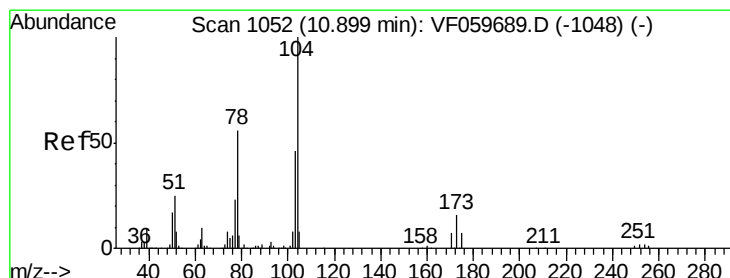
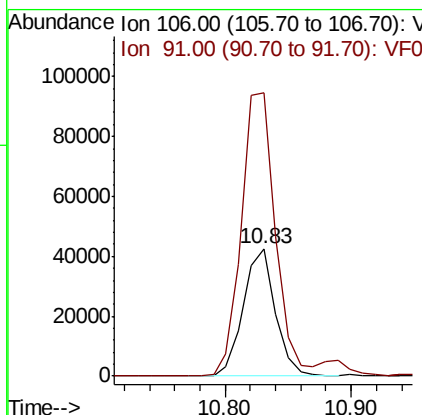
#69
o-Xylene
Concen: 22.94 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tot Ion:106 Resp: 75363
Ion Ratio Lower Upper
106 100
91 221.9 124.6 373.7

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

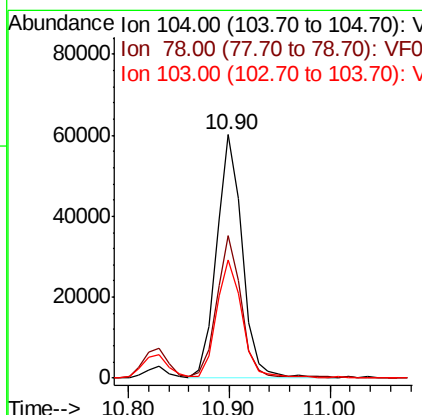
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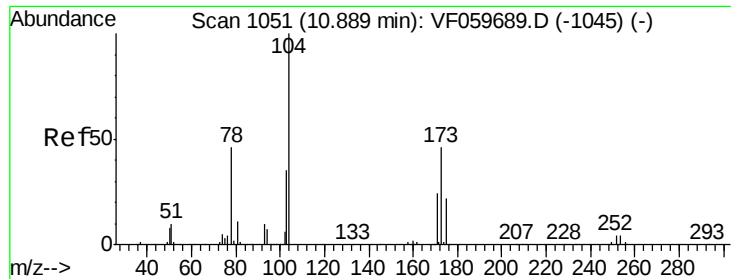
apatel
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#70
Styrene
Concen: 21.35 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion:104 Resp: 106289
Ion Ratio Lower Upper
104 100
78 58.8 45.3 67.9
103 48.7 36.6 54.8





#71

Bromoform

Concen: 20.41 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion:173 Resp: 32001

Ion Ratio Lower Upper

173 100

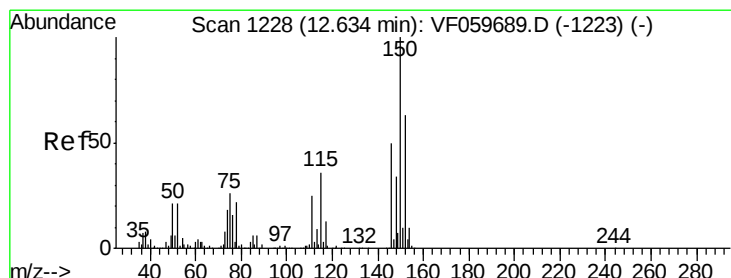
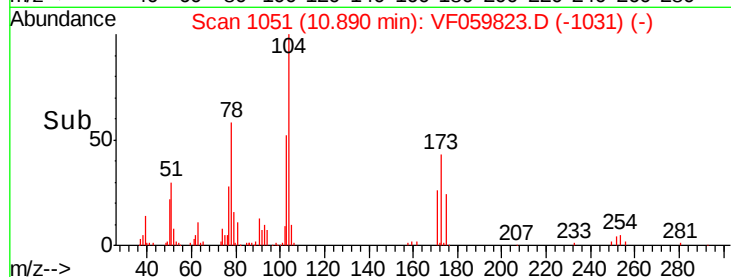
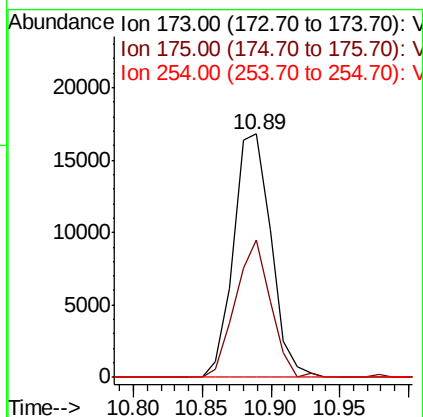
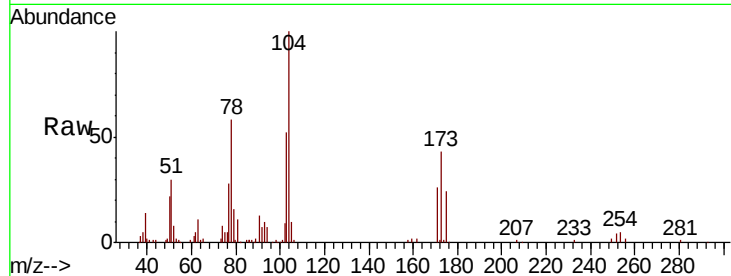
175 56.4 23.4 70.0

254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

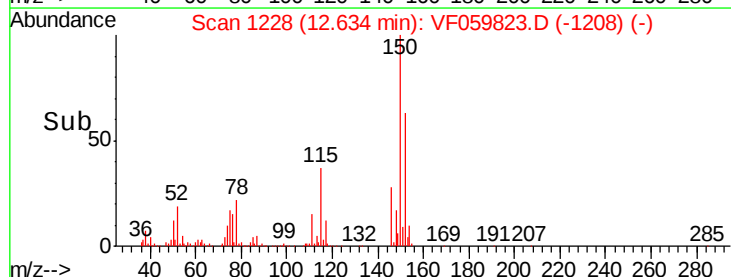
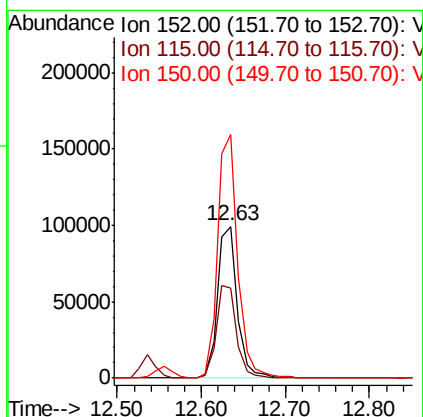
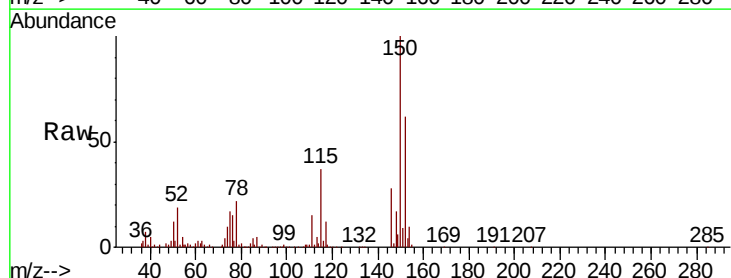
Tgt Ion:152 Resp: 162011

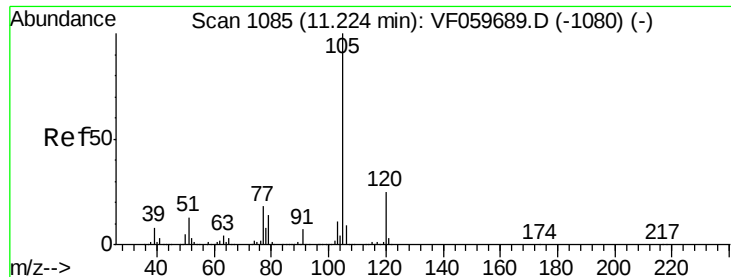
Ion Ratio Lower Upper

152 100

115 59.5 28.2 84.6

150 160.1 0.0 316.2





#73

Isopropylbenzene

Concen: 21.81 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 105 Resp: 231811

Ion Ratio Lower Upper

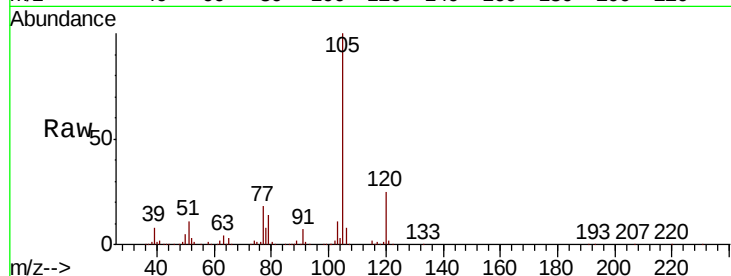
105 100

120 25.0 12.4 37.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

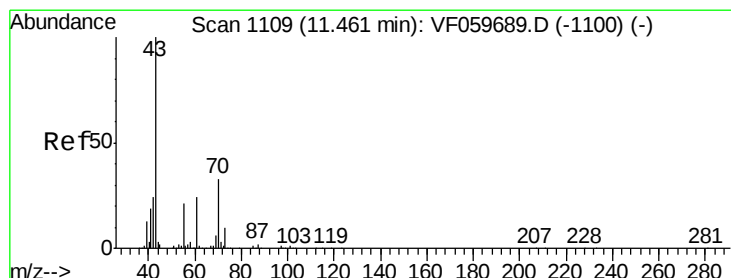
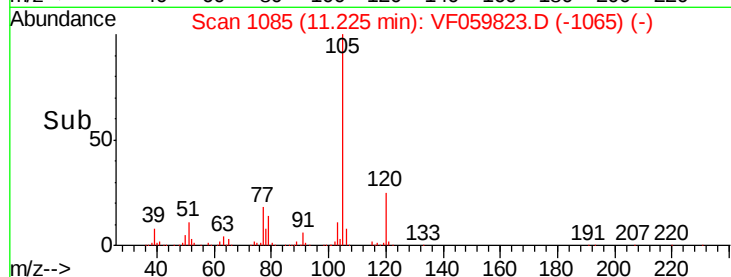
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 19.33 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Tgt Ion: 43 Resp: 51845

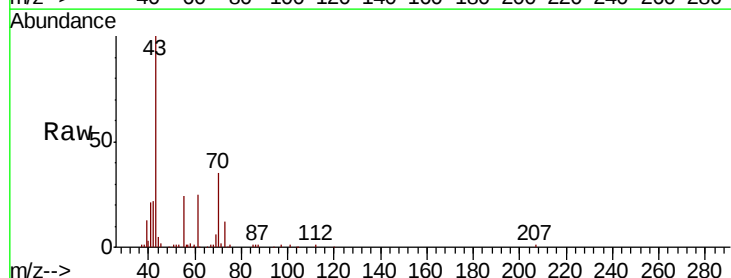
Ion Ratio Lower Upper

43 100

70 34.8 26.3 39.5

55 23.9 16.6 25.0

61 24.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.46

50000

40000

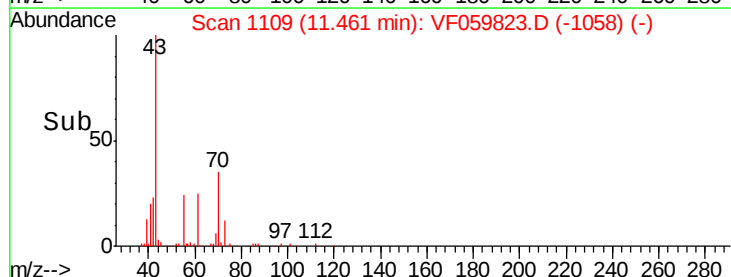
30000

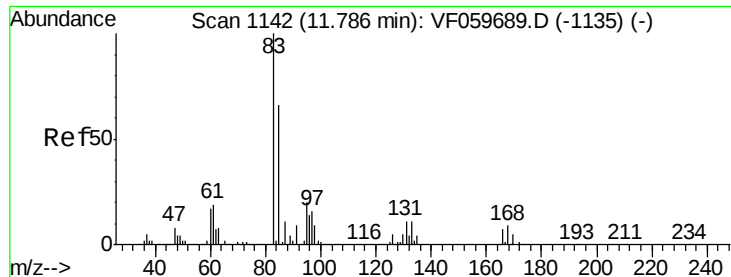
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.52 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

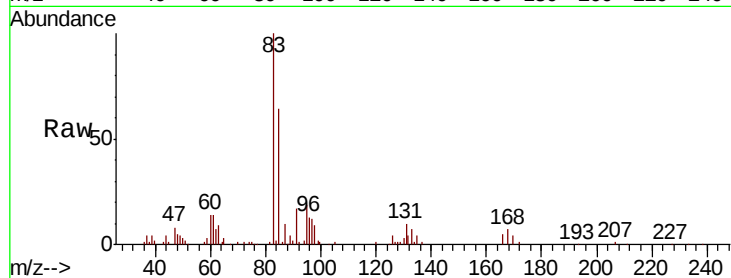
ClientSampleId :

VF0802SBS02

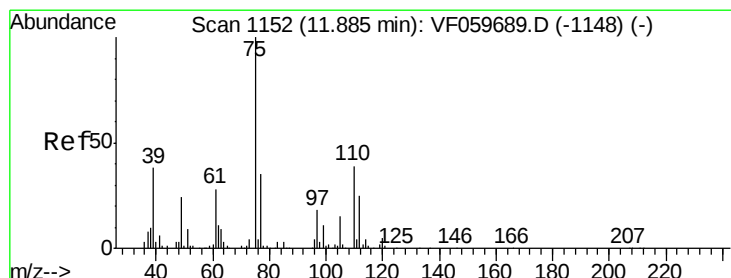
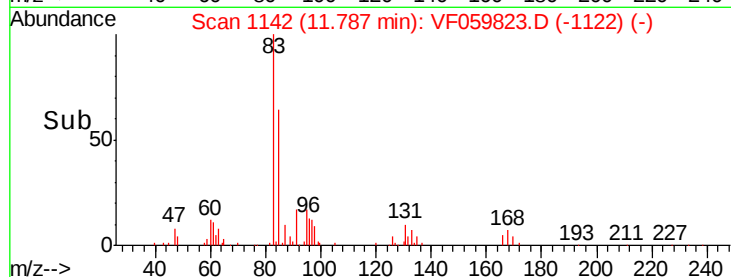
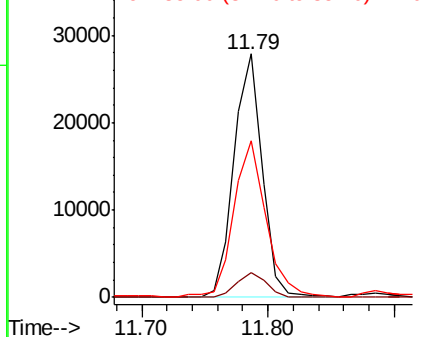
Tot Ion:	83	Resp:	43069
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.3
85	64.5	32.8	98.3

Manual Integrations
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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: 21.85 ug/l

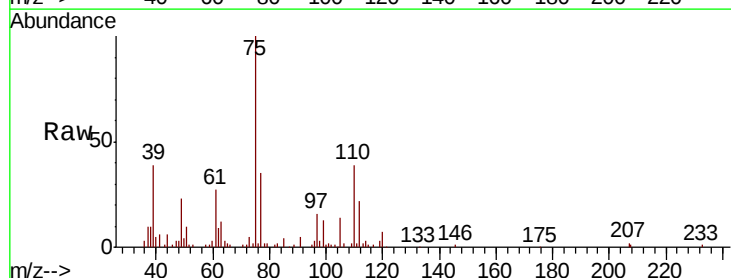
RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

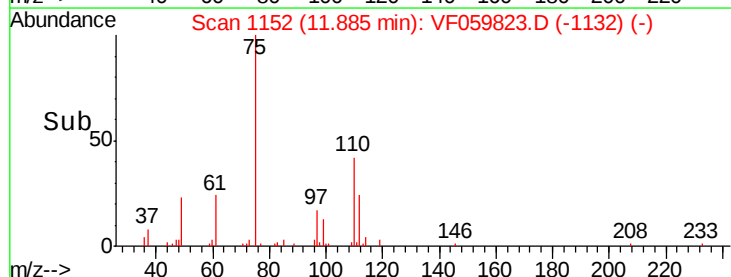
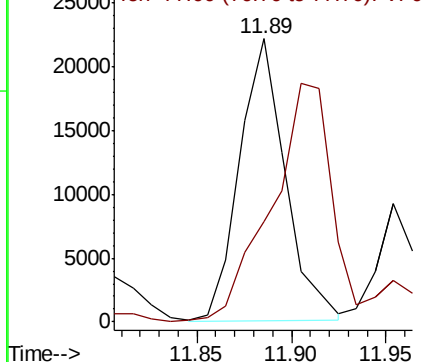
Lab File: VF059823.D

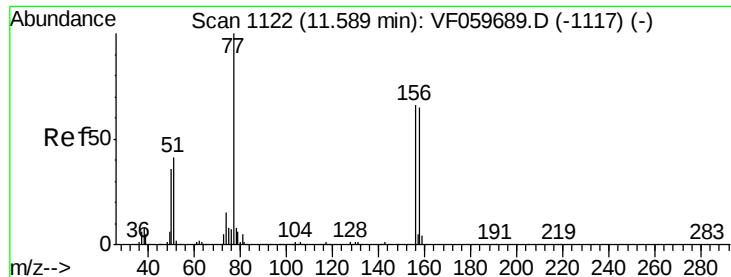
Acq: 3 Aug 2018 3:30

Tgt Ion:	75	Resp:	37186
Ion Ratio	Lower	Upper	
75	100		
77	35.5	18.0	54.0



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





#77

Bromobenzene

Concen: 21.07 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion:156 Resp: 58499

Ion Ratio Lower Upper

156 100

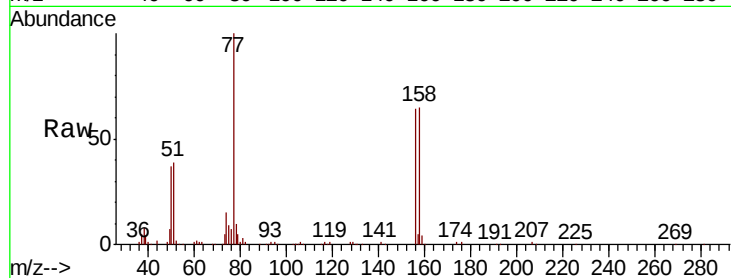
77 155.6 75.2 225.6

158 101.6 49.1 147.3

Manual Integrations
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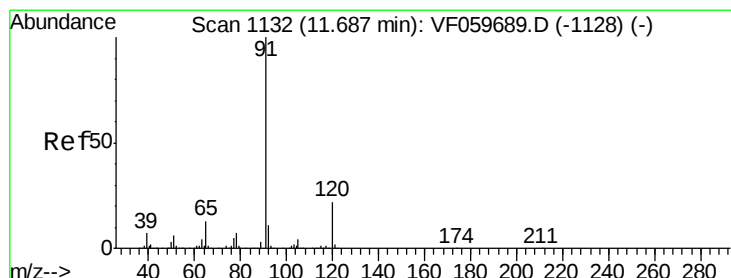
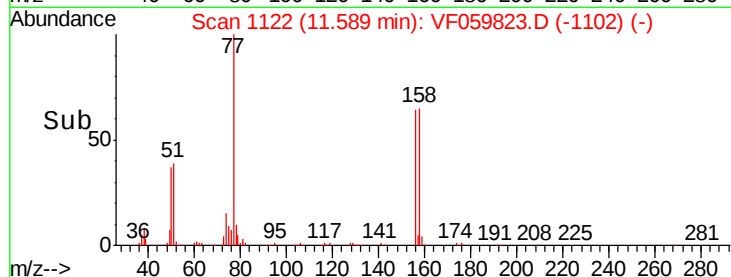
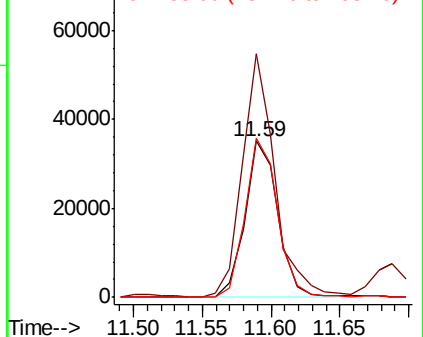
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.81 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059823.D

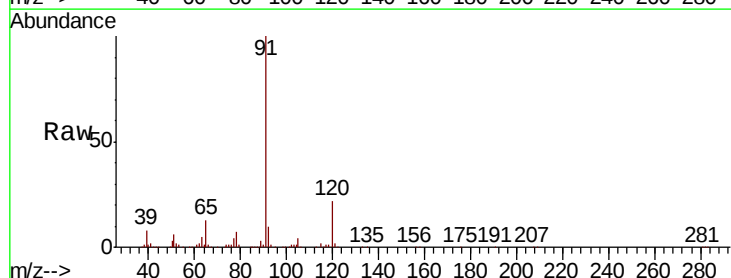
Acq: 3 Aug 2018 3:30

Tgt Ion: 91 Resp: 278223

Ion Ratio Lower Upper

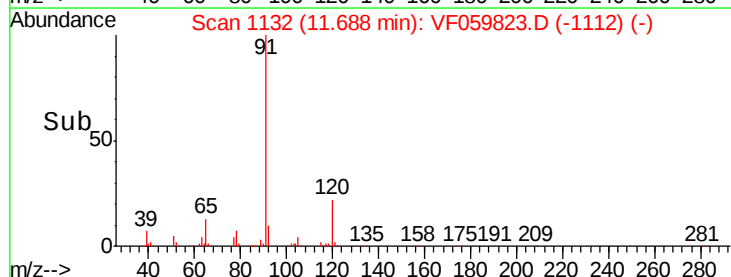
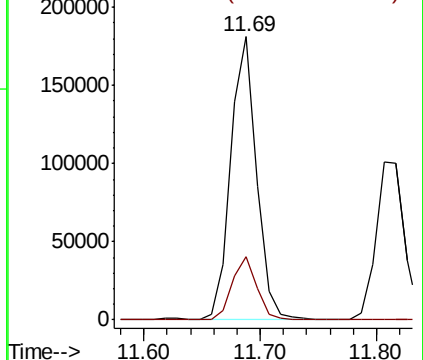
91 100

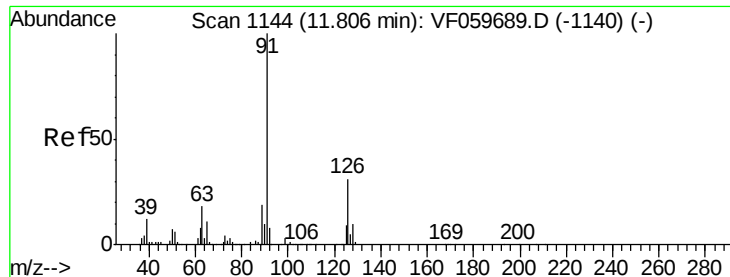
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





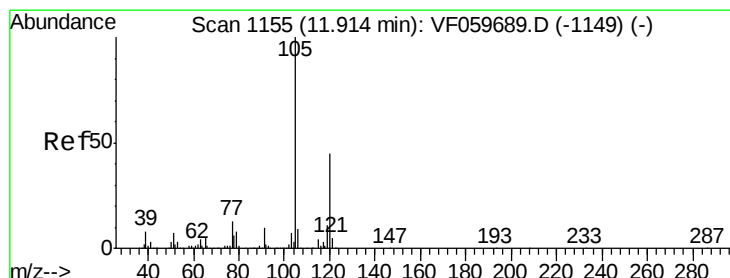
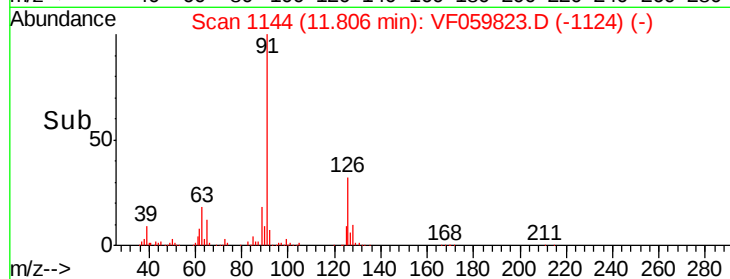
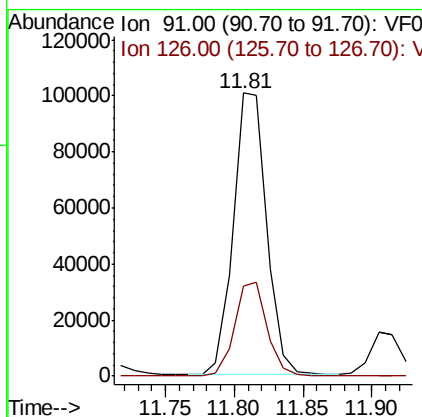
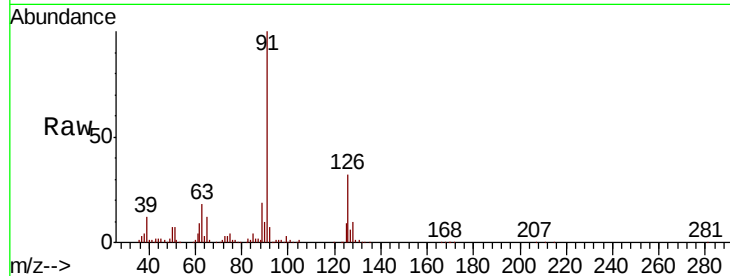
#79
 2-Chlorotoluene
 Concen: 22.24 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.2

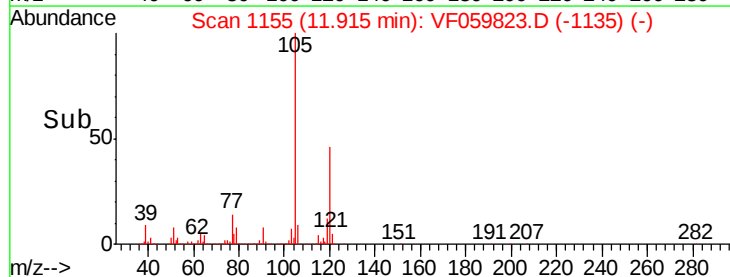
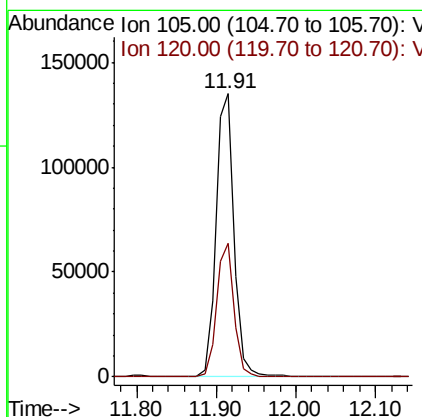
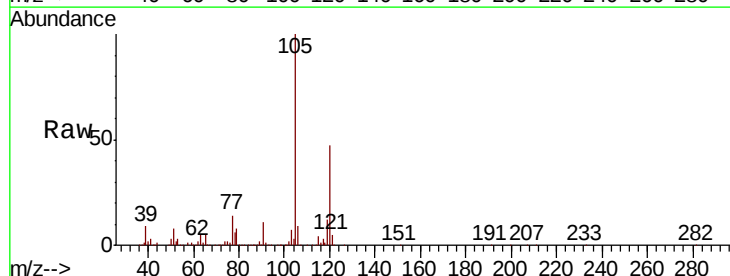
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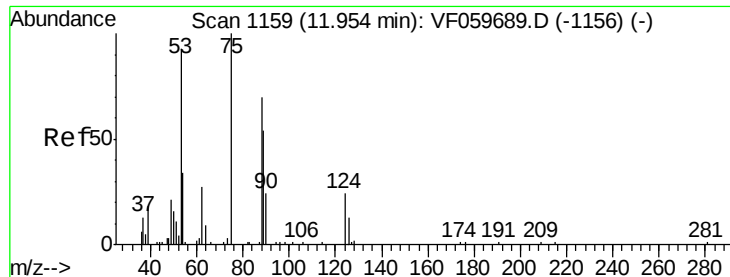
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.83 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.90 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059823.D

Acq: 3 Aug 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBS02

Tot Ion: 75 Resp: 14022

Ion Ratio Lower Upper

75 100

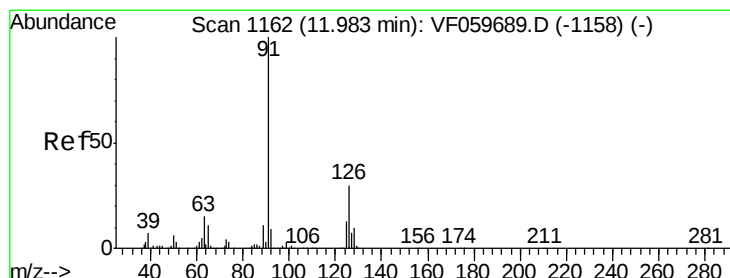
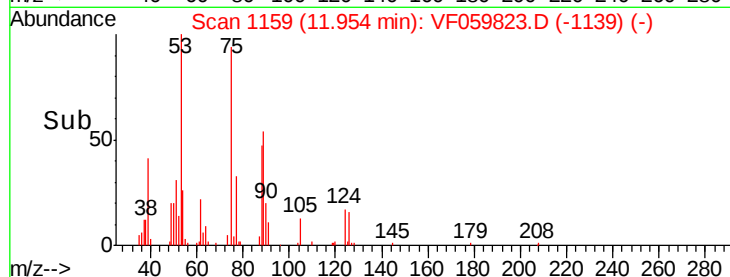
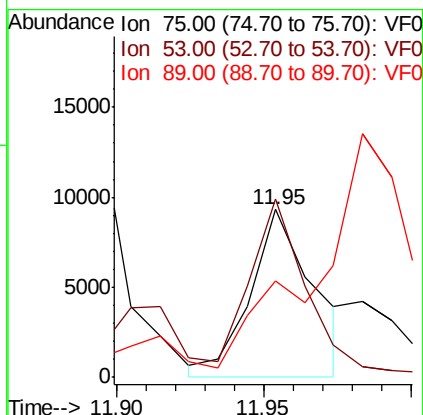
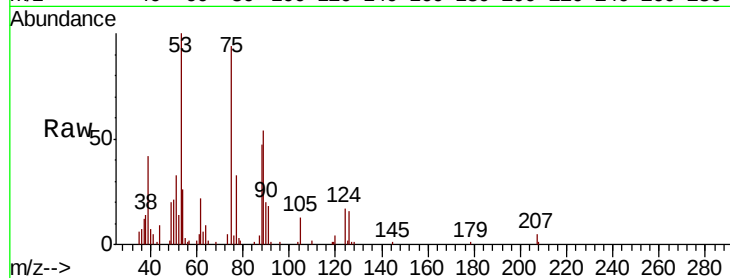
53 106.7 78.3 117.5

89 57.7 45.4 68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.79 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059823.D

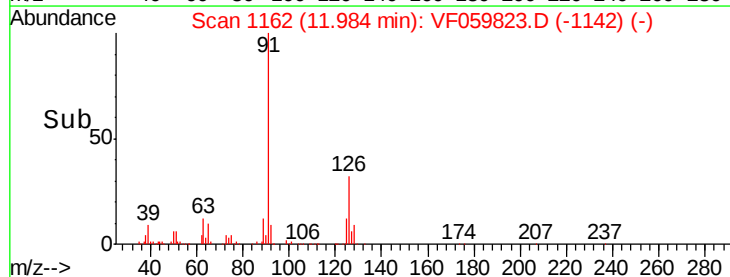
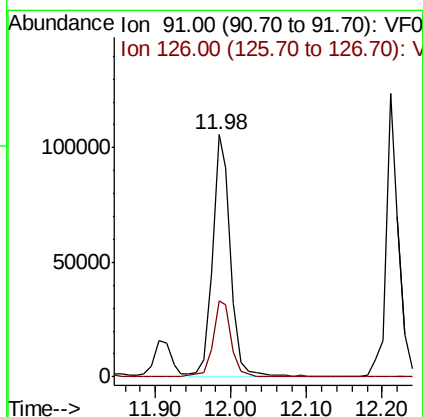
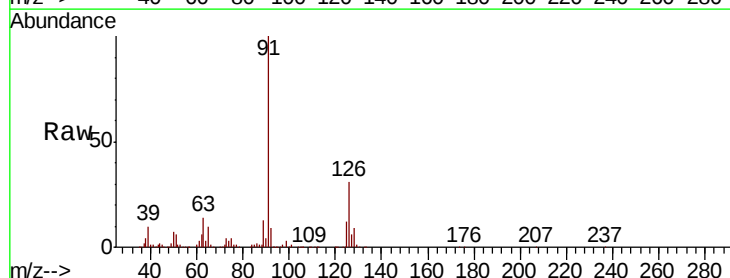
Acq: 3 Aug 2018 3:30

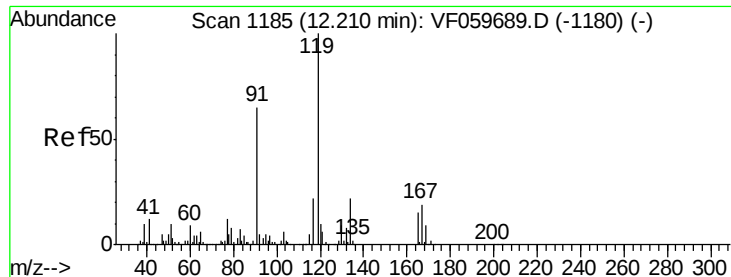
Tgt Ion: 91 Resp: 176236

Ion Ratio Lower Upper

91 100

126 31.4 15.2 45.6





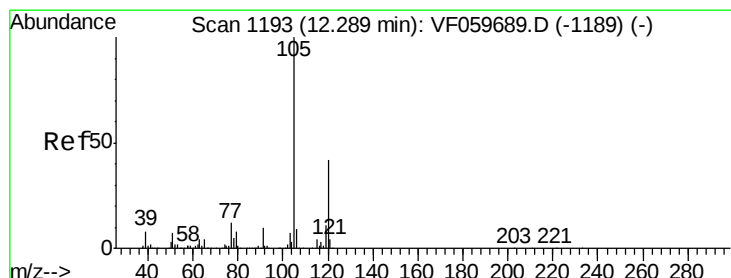
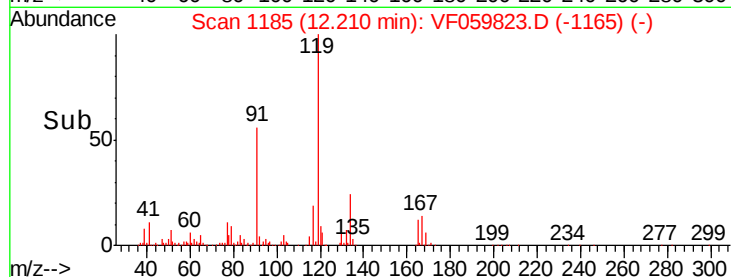
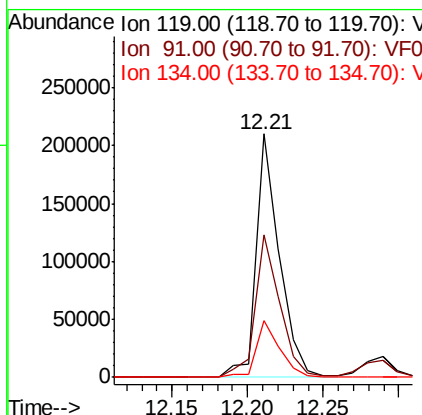
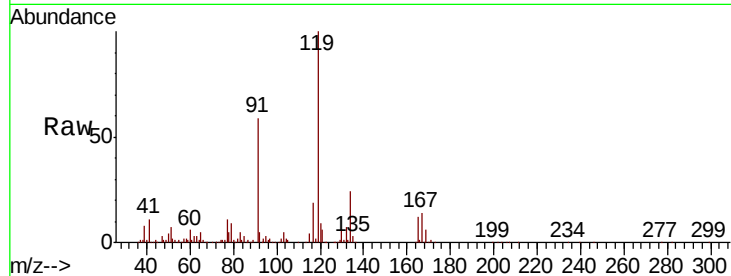
#83
 tert-Butylbenzene
 Concen: 23.84 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	227461		
91	58.8		32.8	98.4
134	23.5		10.9	32.7

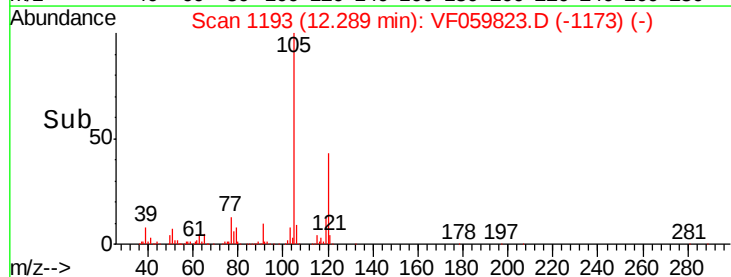
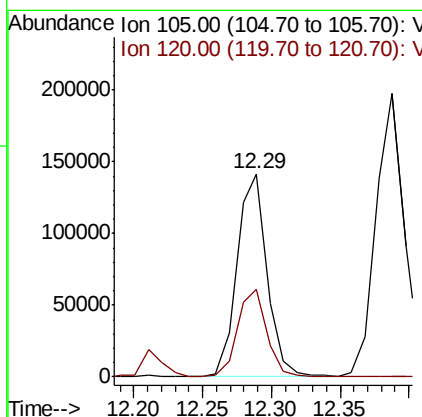
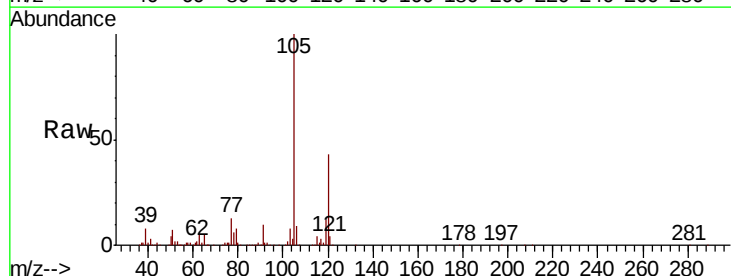
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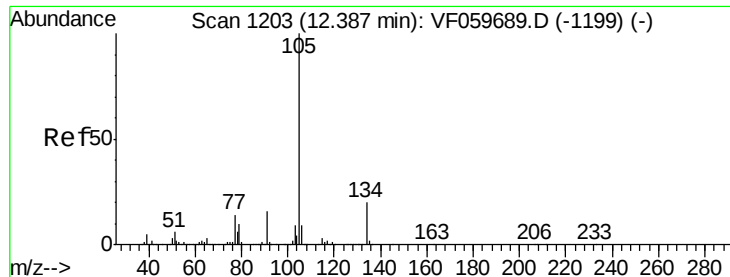
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.60 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214643		
120	43.4		21.1	63.3





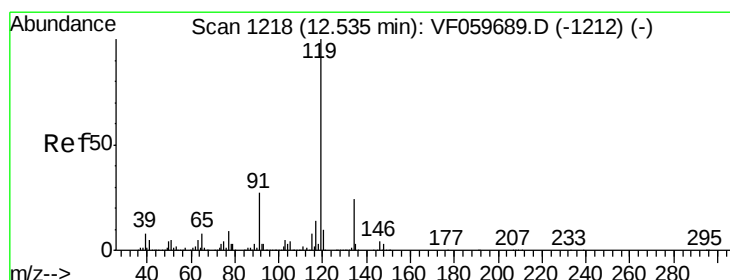
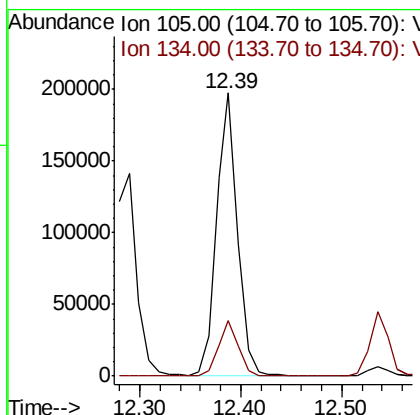
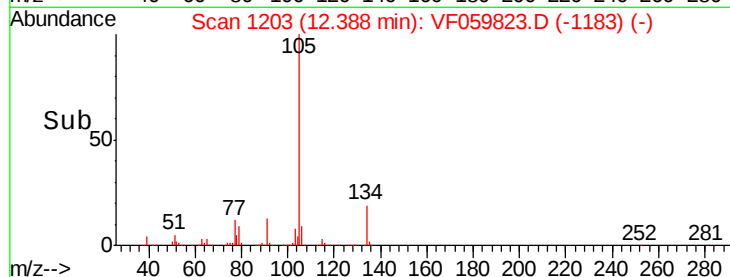
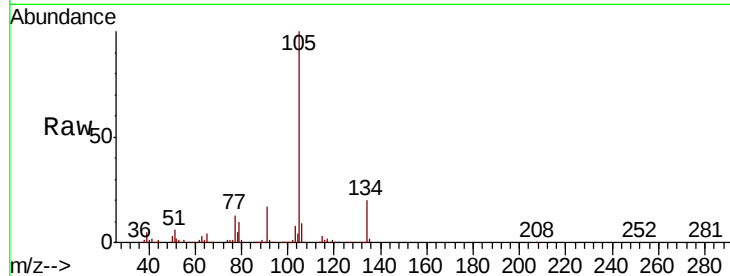
#85
 sec-Butylbenzene
 Concen: 23.36 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	284837		
134	19.8	9.8	29.3	

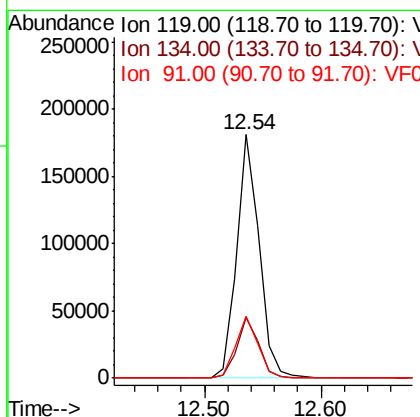
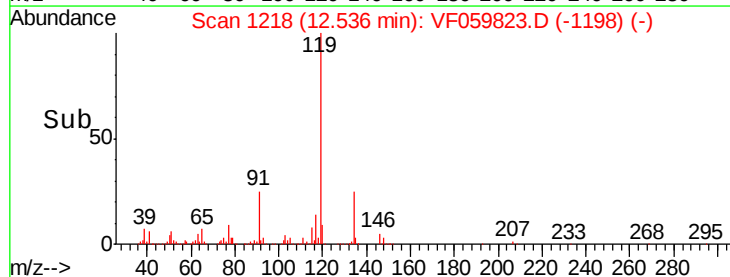
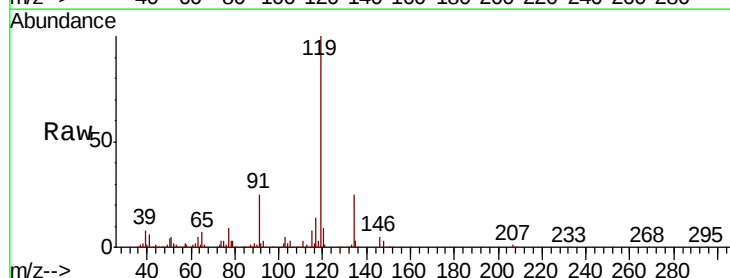
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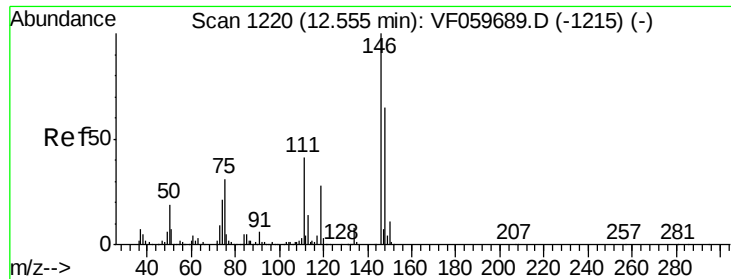
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#86
 p-Isopropyltoluene
 Concen: 22.52 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	242232		
134	24.9	12.2	36.6	
91	25.2	13.4	40.2	





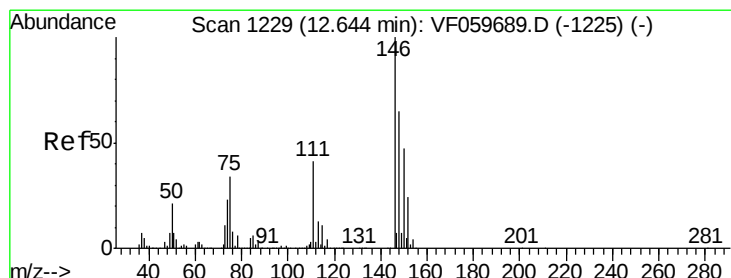
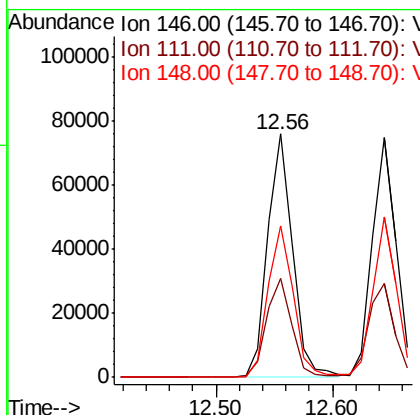
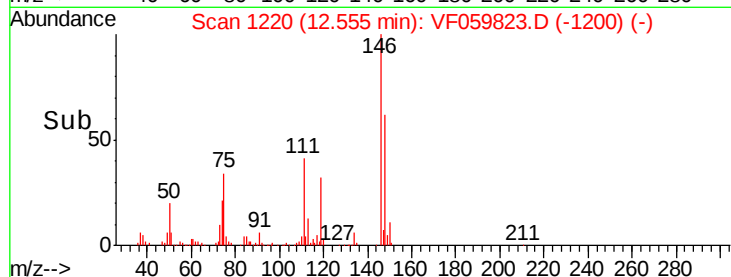
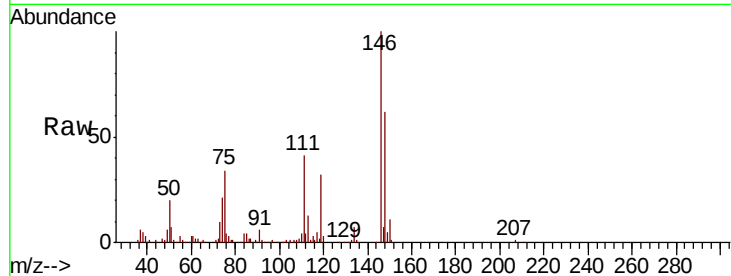
#87
 1,3-Dichlorobenzene
 Concen: 21.46 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112363		
111	40.7	20.7	62.1	
148	62.1	32.3	96.8	

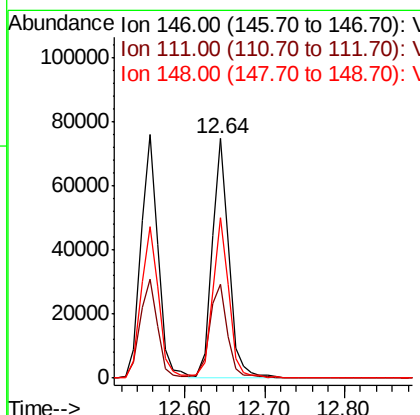
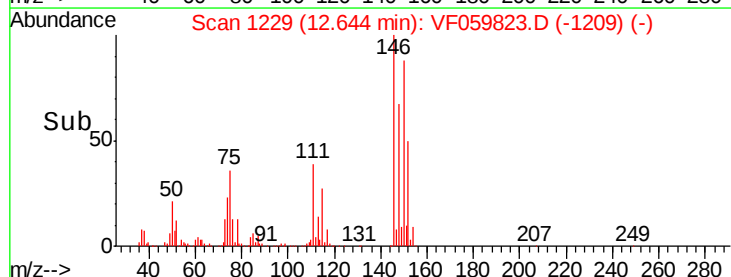
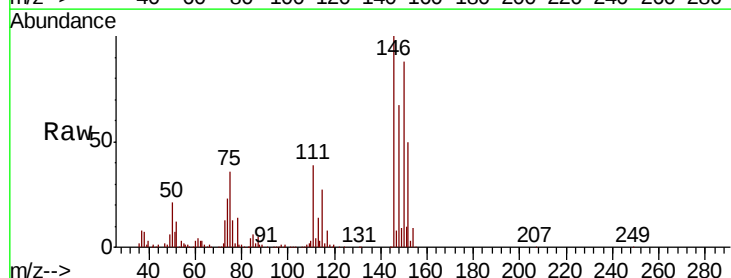
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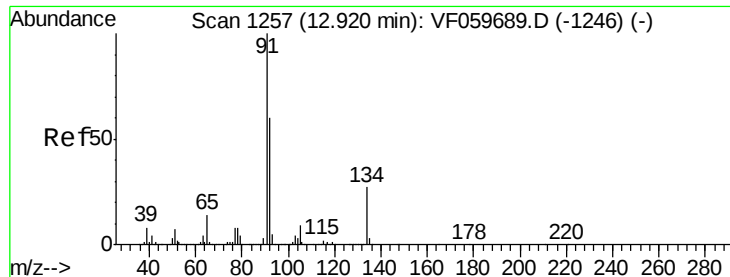
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#88
 1,4-Dichlorobenzene
 Concen: 21.79 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110581		
111	39.1	20.8	62.2	
148	67.1	32.3	96.9	





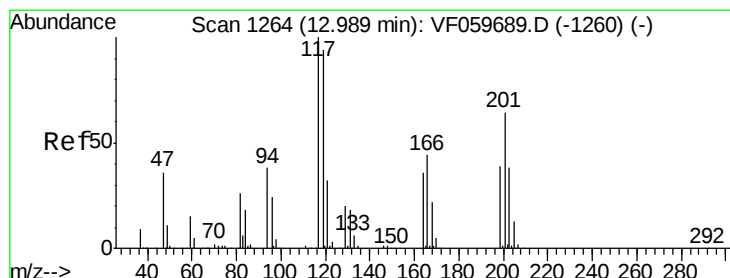
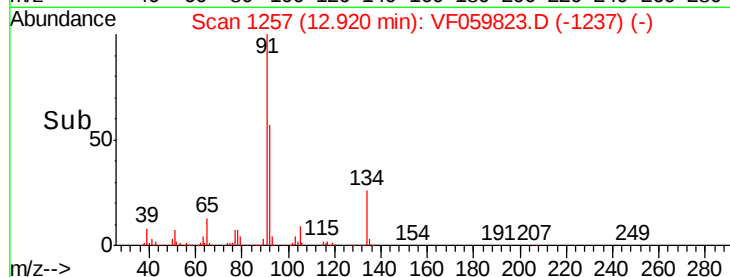
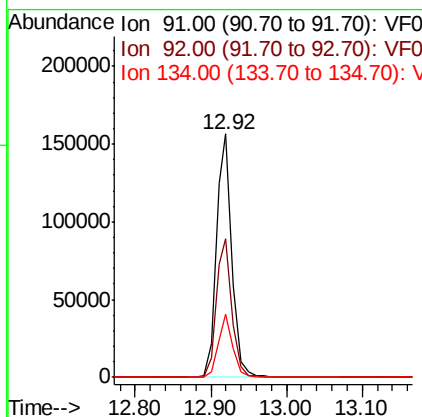
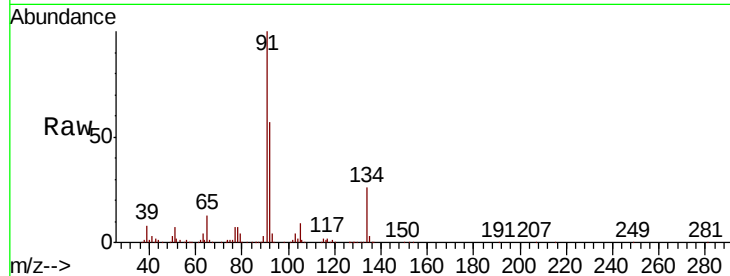
#89
n-Butylbenzene
Concen: 21.89 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.8	30.1	90.3
134	26.1	13.7	41.0

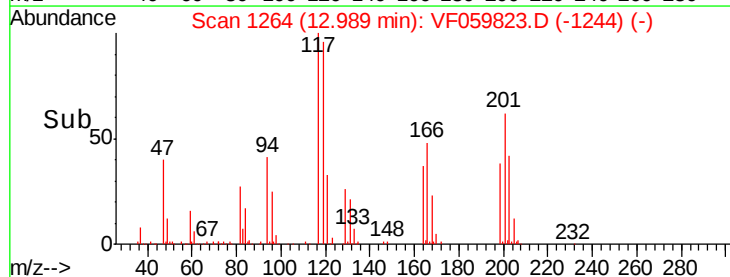
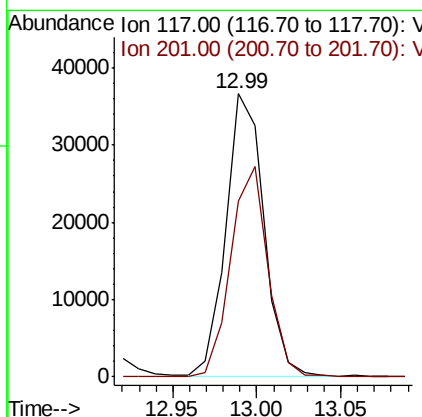
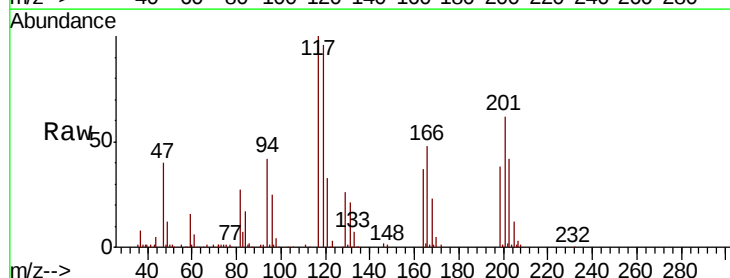
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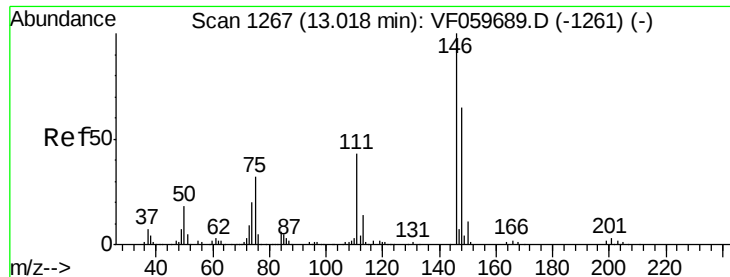
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#90
Hexachloroethane
Concen: 21.42 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.0	31.9	95.5





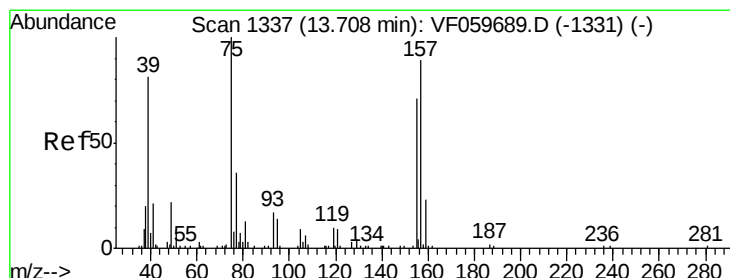
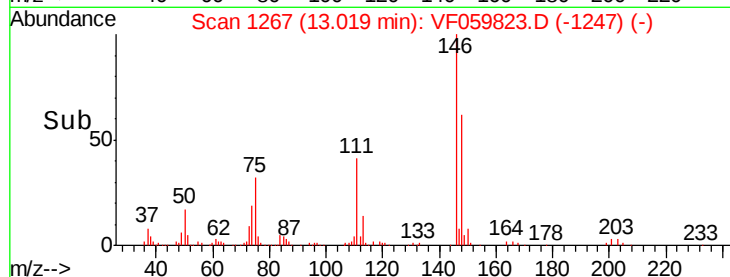
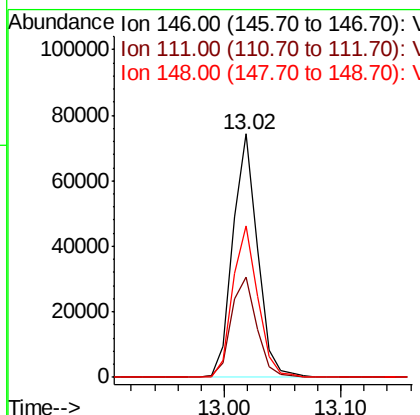
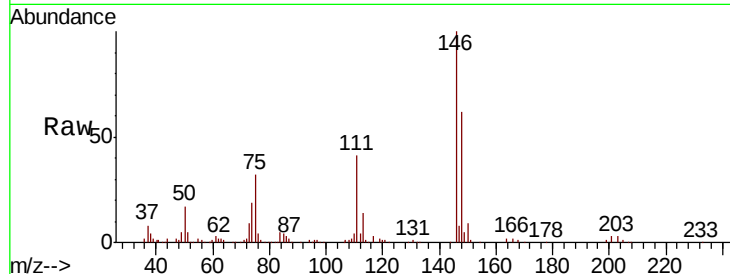
#91
 1,2-Dichlorobenzene
 Concen: 22.27 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.6	65.0
148	62.2	32.3	96.9

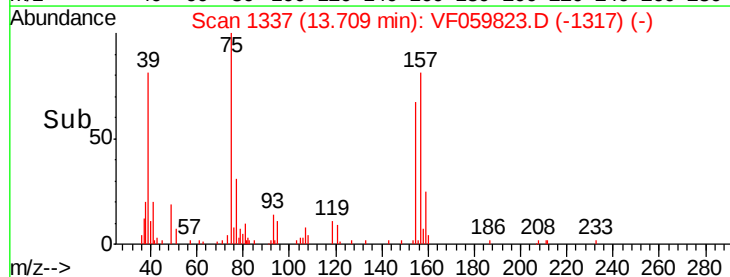
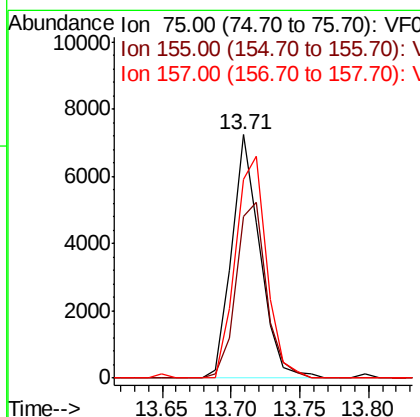
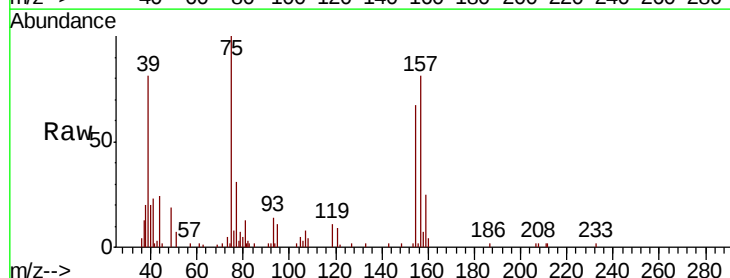
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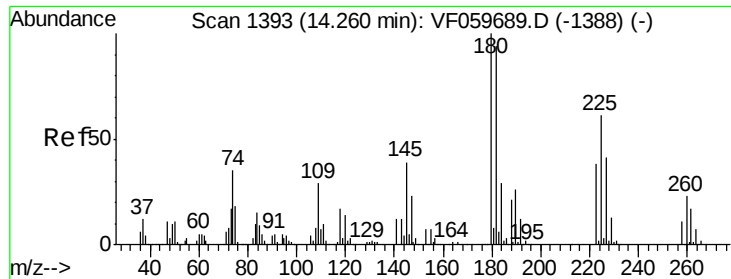
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.05 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.6	35.4	106.2
157	81.4	44.4	133.2





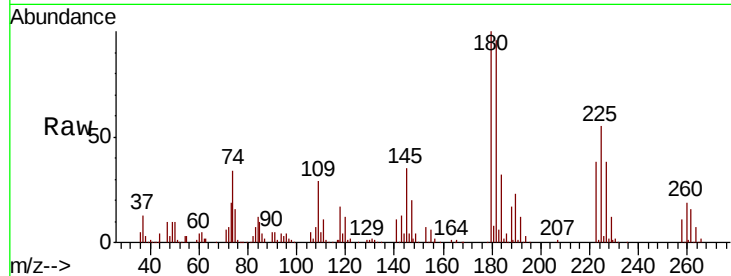
#93
 1,2,4-Trichlorobenzene
 Concen: 20.79 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.2	141.6
145	35.0	19.3	57.9

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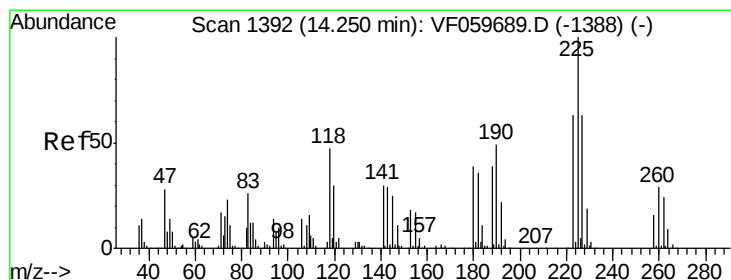
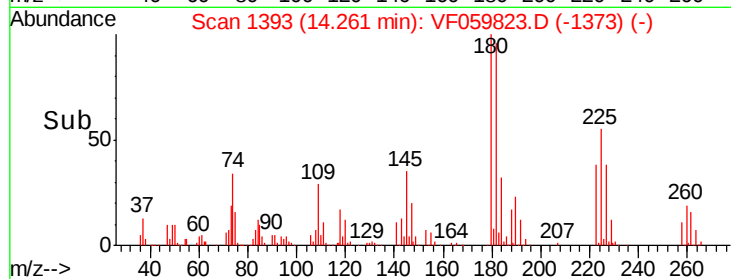
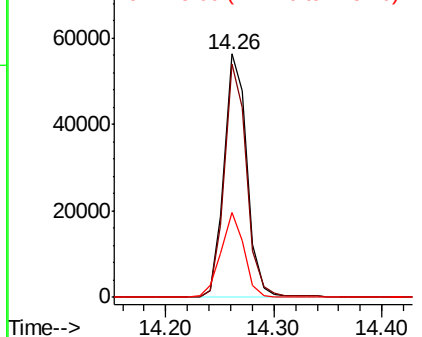


Abundance

Ion 180.00 (179.70 to 180.70): V

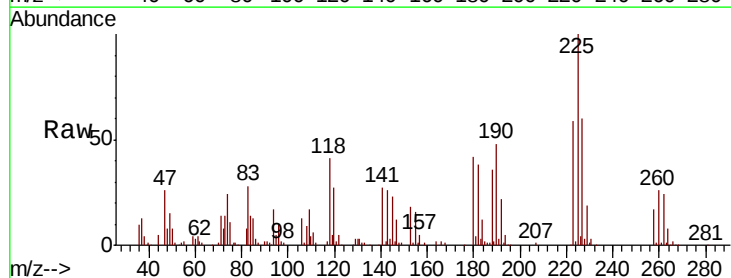
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.59 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059823.D
 Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	60.3	31.5	94.5

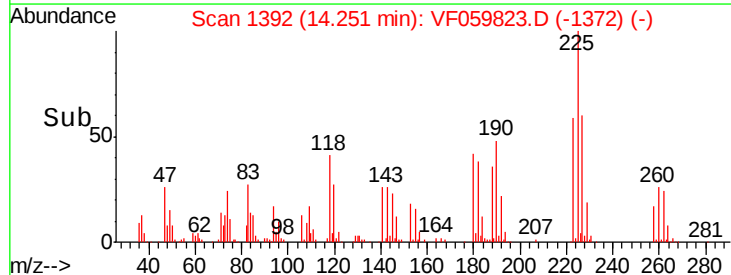
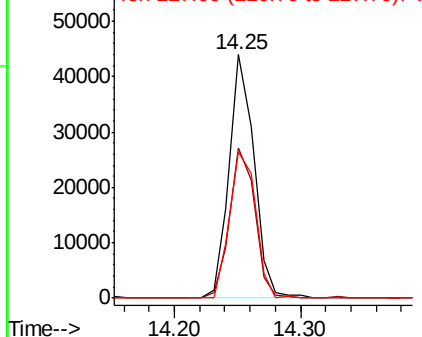


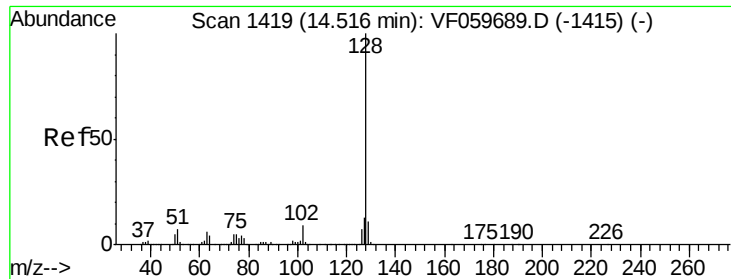
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





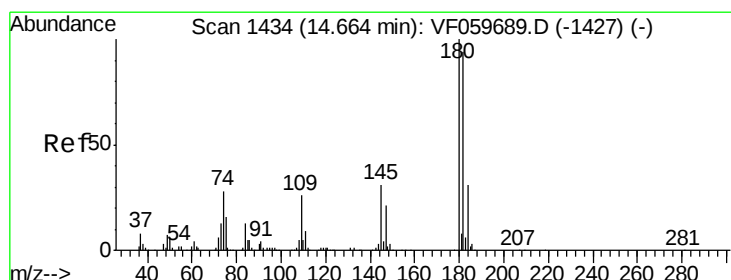
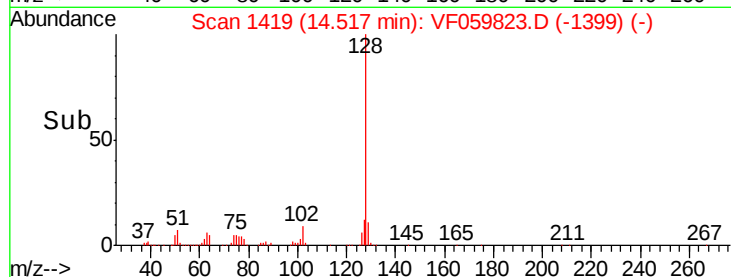
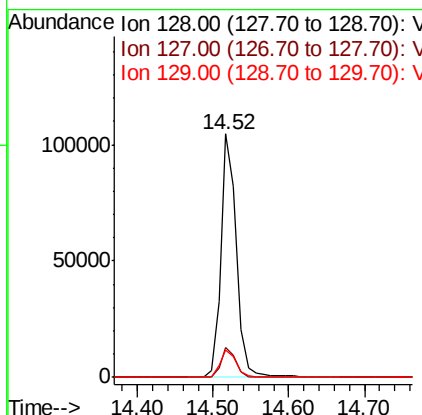
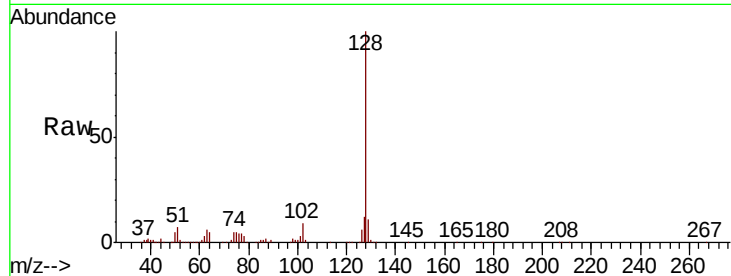
#95
Naphthalene
Concen: 21.43 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	149718		
127	12.1	10.0	15.0	
129	11.0	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 20.59 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059823.D
Acq: 3 Aug 2018 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79490		
182	103.3	47.2	141.6	
145	34.2	15.6	46.7	

