

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059794.D
 Acq On : 2 Aug 2018 11:37
 Operator : VA/AP
 Sample : VF0801SBSD02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Manual Integrations
 APPROVED

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 8/2/2018 2:20:28 PM

Quant Time: Aug 02 12:03:09 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	223117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	323043	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	304076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	194834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	187393	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	4.29	113	162907	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	7.71	98	389707	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.50	95	206296	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	71932	25.97	ug/l	94
3) Chloromethane	1.08	50	44173	32.36	ug/l	97
4) Vinyl Chloride	1.15	62	41148	28.14	ug/l	96
5) Bromomethane	1.34	94	29809	24.07	ug/l	86
6) Chloroethane	1.43	64	22689	24.78	ug/l #	84
7) Trichlorofluoromethane	1.53	101	82328m	19.76	ug/l	
8) Diethyl Ether	1.70	74	16951	23.79	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.90	101	49981	22.90	ug/l	93
10) Methyl Iodide	1.96	142	84993	25.83	ug/l	93
11) Tert butyl alcohol	2.69	59	17039	104.54	ug/l #	81
12) 1,1-Dichloroethene	1.85	96	43363	25.10	ug/l	76
13) Acrolein	2.09	56	4908m	70.30	ug/l	
14) Allyl chloride	2.19	41	72798	26.39	ug/l	91
15) Acrylonitrile	3.07	53	35196	135.88	ug/l	95
16) Acetone	2.34	43	69247	96.01	ug/l #	91
17) Carbon Disulfide	1.88	76	104664m	27.08	ug/l	
18) Methyl Acetate	2.45	43	35321	29.52	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	109562	20.79	ug/l	95
20) Methylene Chloride	2.27	84	47539m	26.95	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	41388	26.15	ug/l	95
22) Diisopropyl ether	2.93	45	141213	24.21	ug/l	95
23) Vinyl Acetate	3.33	43	299370	99.81	ug/l	98
24) 1,1-Dichloroethane	2.99	63	95391	23.54	ug/l	97
25) 2-Butanone	4.51	43	80735	100.30	ug/l #	77
26) 2,2-Dichloropropane	3.75	77	65253	22.58	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	53225	24.52	ug/l	93
28) Bromochloromethane	3.88	49	37477	24.18	ug/l	90
29) Tetrahydrofuran	4.26	42	33868	109.48	ug/l	98
30) Chloroform	4.03	83	130026	22.73	ug/l	98
31) Cyclohexane	3.86	56	56680	26.95	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	97969	22.08	ug/l	96
36) 1,1-Dichloropropene	4.45	75	79859	22.22	ug/l	97
37) Ethyl Acetate	4.30	43	35920	19.45	ug/l	93
38) Carbon Tetrachloride	4.17	117	117915	22.96	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	67882	25.06	ug/l	96
40) Benzene	4.80	78	155842	23.89	ug/l	93
41) Methacrylonitrile	4.92	41	17987	20.46	ug/l	94
42) 1,2-Dichloroethane	5.11	62	95212	20.85	ug/l	97
43) Isopropyl Acetate	7.10	43	35930	18.60	ug/l #	100
44) Trichloroethene	5.67	130	57478	23.48	ug/l	85
45) 1,2-Dichloropropane	6.40	63	42506	24.67	ug/l	98
46) Dibromomethane	6.25	93	35471	21.69	ug/l	87
47) Bromodichloromethane	6.54	83	92376	20.74	ug/l	99
48) Methyl methacrylate	6.87	41	28138	19.37	ug/l	95
49) 1,4-Dioxane	6.87	88	4219	429.85	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	155025	105.50	ug/l	100
52) Toluene	7.78	92	110642	24.11	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	83102	21.50	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	85142	22.74	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	36903	20.89	ug/l	98
56) Ethyl methacrylate	8.76	69	36633	19.88	ug/l	91
57) 1,3-Dichloropropane	9.00	76	64792	21.38	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	23032	108.26	ug/l	100
59) 2-Hexanone	9.63	43	111881	95.01	ug/l	98
60) Dibromochloromethane	8.86	129	64919	20.82	ug/l	98
61) 1,2-Dibromoethane	9.14	107	45990	22.29	ug/l	96
64) Tetrachloroethene	8.30	164	59480	26.94	ug/l	94
65) Chlorobenzene	9.93	112	141094	23.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	63568	22.38	ug/l	91
67) Ethyl Benzene	10.03	91	254538	24.19	ug/l	100
68) m/p-Xylenes	10.26	106	184778	52.45	ug/l	93
69) o-Xylene	10.82	106	97844	25.23	ug/l	93
70) Styrene	10.90	104	143610	24.45	ug/l	97
71) Bromoform	10.88	173	37337	20.18	ug/l #	99
73) Isopropylbenzene	11.23	105	305224	23.88	ug/l	97
74) N-amyl acetate	11.46	43	66323	20.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	53103	22.07	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	41574	20.32	ug/l	89
77) Bromobenzene	11.59	156	75681	22.67	ug/l	97
78) n-propylbenzene	11.69	91	351628	24.25	ug/l	98
79) 2-Chlorotoluene	11.81	91	219228	24.33	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	269675	24.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	18387m	21.70	ug/l	
82) 4-Chlorotoluene	11.98	91	231916	24.26	ug/l	99
83) tert-Butylbenzene	12.21	119	269643	23.50	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	274352	24.34	ug/l	99
85) sec-Butylbenzene	12.39	105	355909	24.51	ug/l	99
86) p-Isopropyltoluene	12.54	119	307846	24.15	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	146043	23.72	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	142798	23.73	ug/l	96
89) n-Butylbenzene	12.91	91	301798	25.07	ug/l	96
90) Hexachloroethane	12.99	117	74070	22.97	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	141746	24.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11295	19.20	ug/l	74

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	104483	21.93	ug/l	97
94) Hexachlorobutadiene	14.25	225	73679	23.06	ug/l	98
95) Naphthalene	14.52	128	187847	22.36	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	100355	21.61	ug/l	97

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

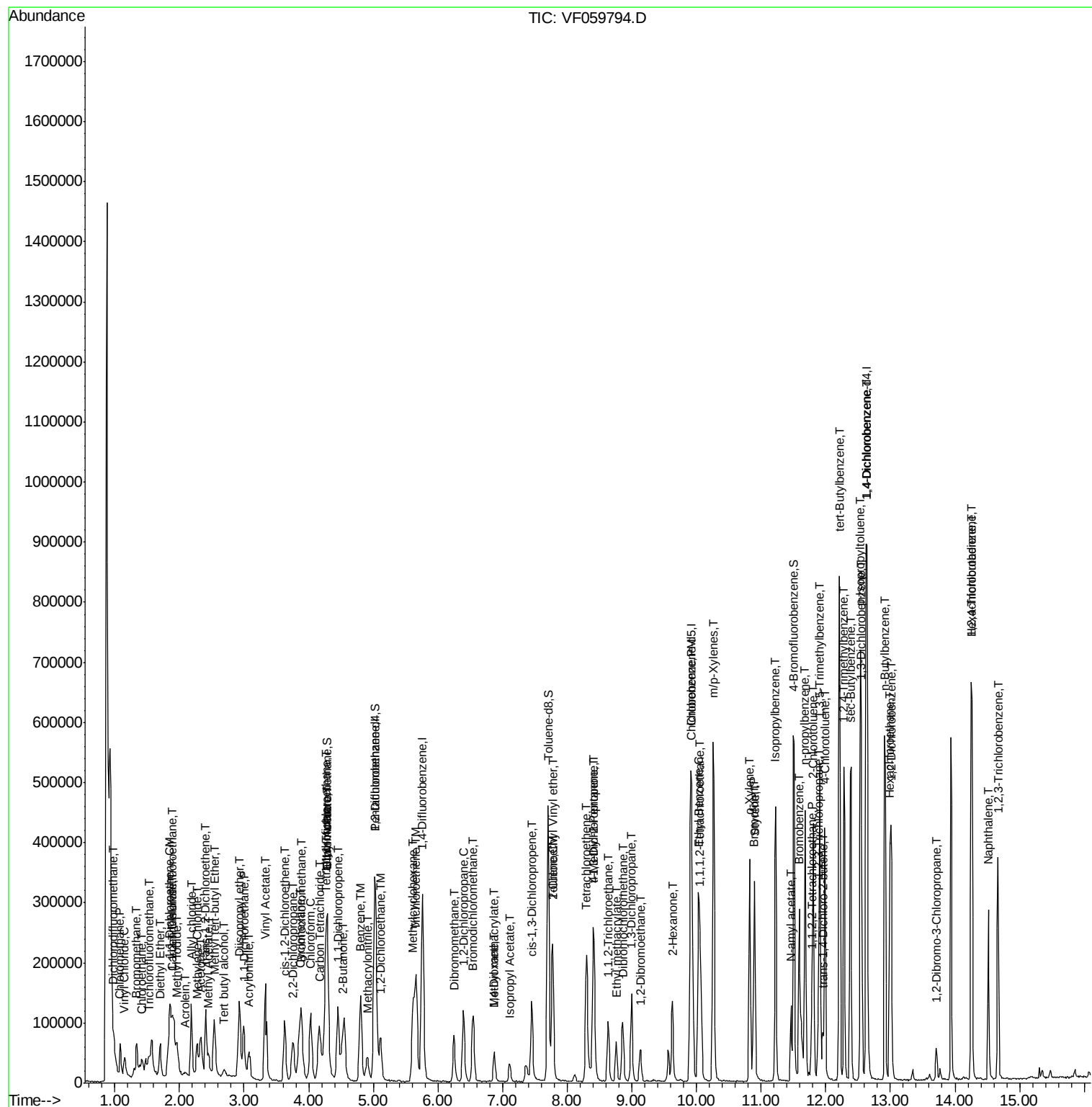
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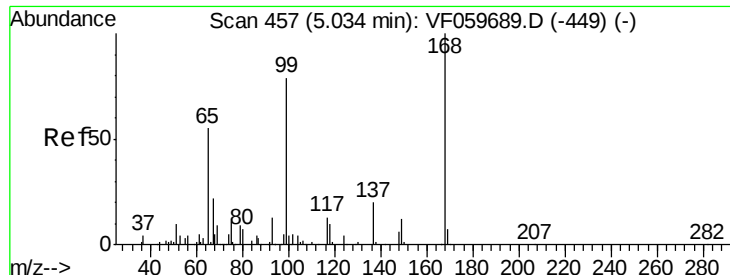
Instrument :
 MSVOA_F
 Client Sample ID :
 VF0801SBSD02

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion:168 Resp: 223117

Ion Ratio Lower Upper

168 100

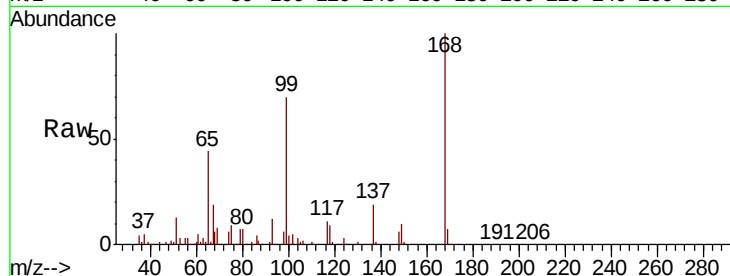
99 69.5 63.3 94.9

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

80000

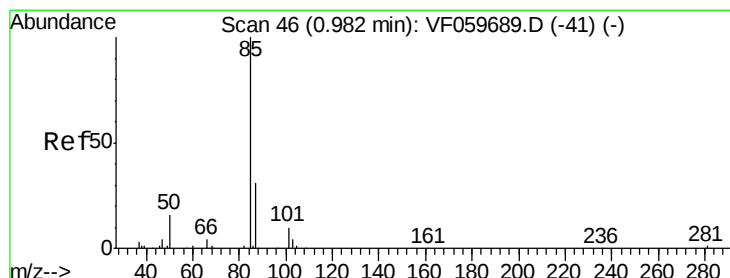
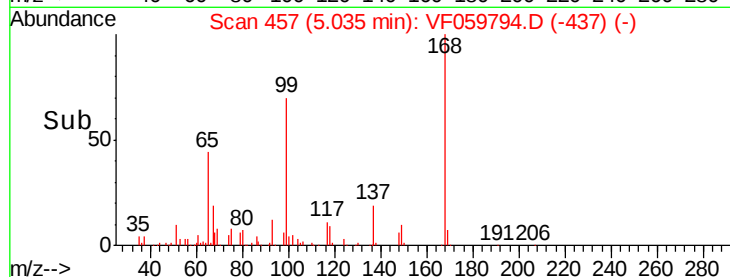
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.97 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059794.D

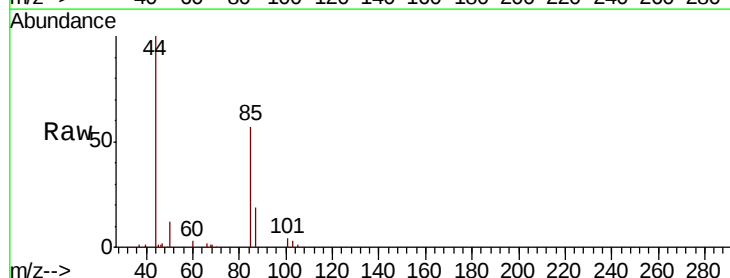
Acq: 2 Aug 2018 11:37

Tgt Ion: 85 Resp: 71932

Ion Ratio Lower Upper

85 100

87 34.0 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

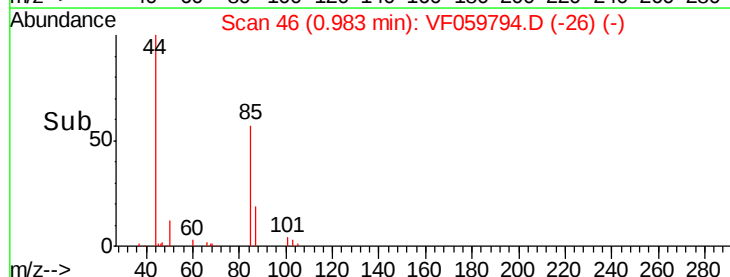
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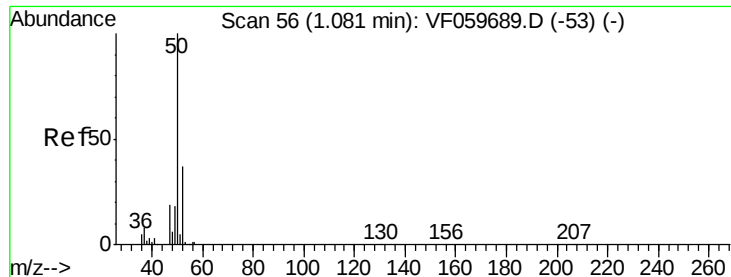
10000

5000

0

Time-->





#3

Chloromethane

Concen: 32.36 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 50 Resp: 44173

Ion Ratio Lower Upper

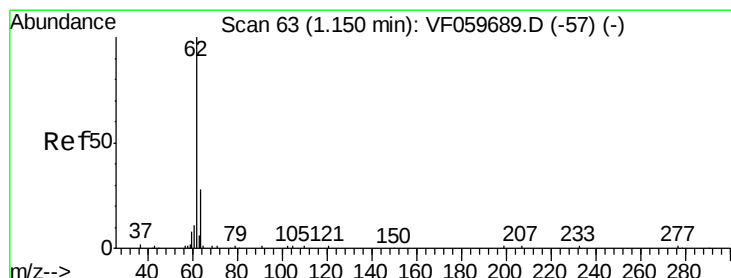
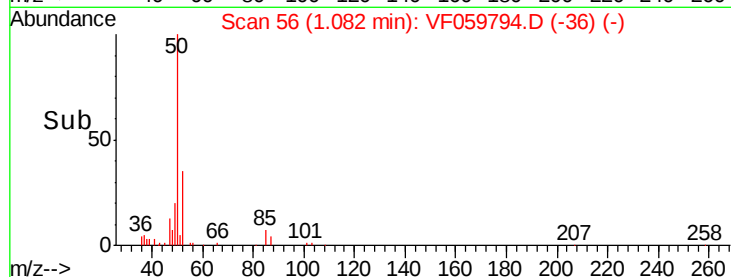
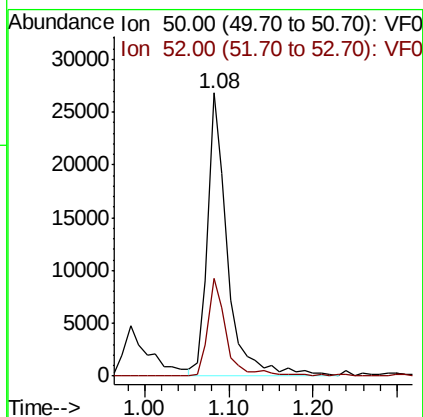
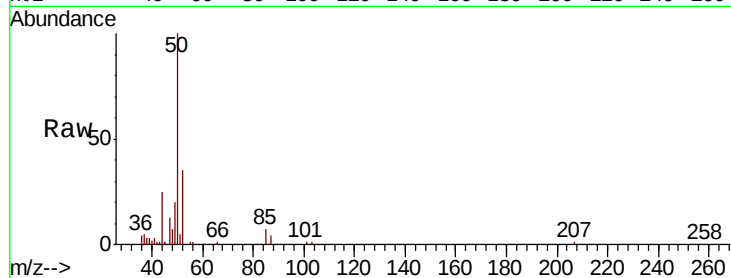
50 100

52 34.7 29.1 43.7

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#4

Vinyl Chloride

Concen: 28.14 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059794.D

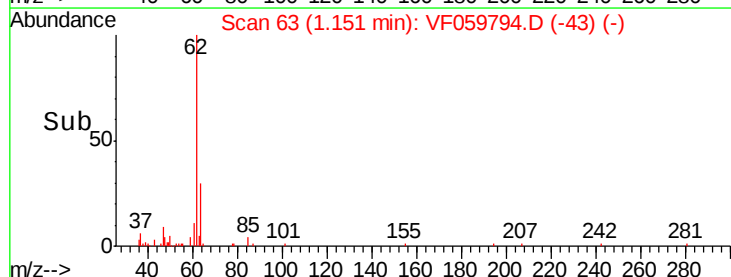
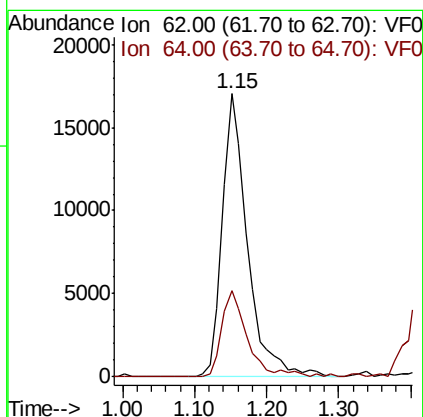
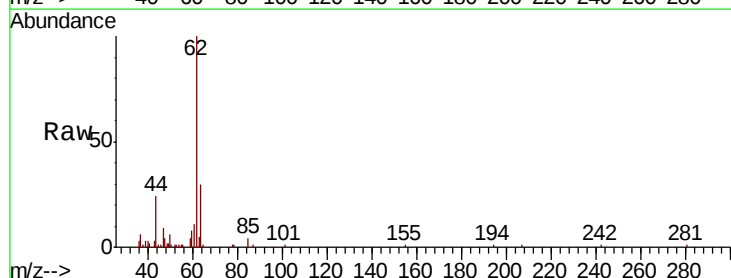
Acq: 2 Aug 2018 11:37

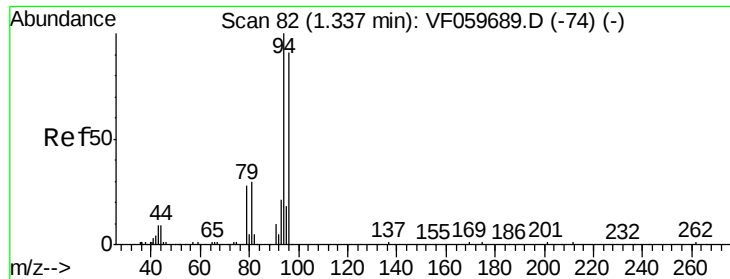
Tgt Ion: 62 Resp: 41148

Ion Ratio Lower Upper

62 100

64 30.4 22.6 33.8





#5

Bromomethane

Concen: 24.07 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 94 Resp: 29809

Ion Ratio Lower Upper

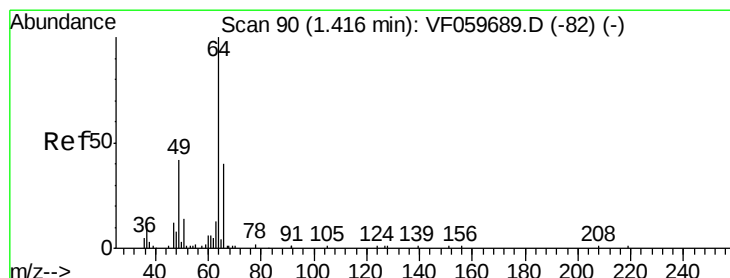
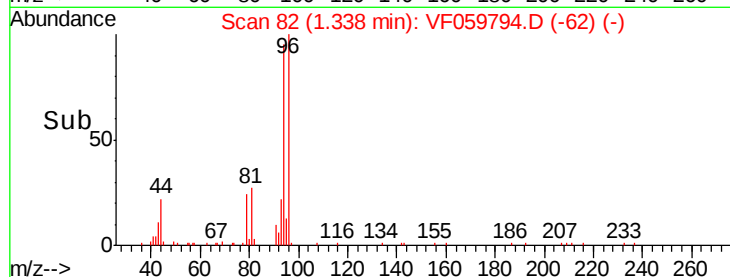
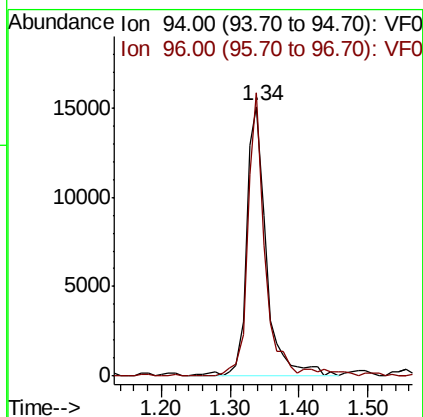
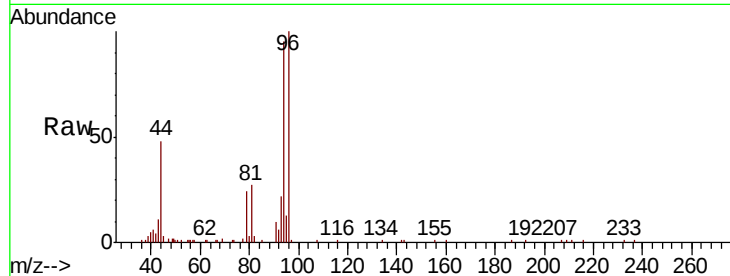
94 100

96 105.0 73.6 110.4

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#6

Chloroethane

Concen: 24.78 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059794.D

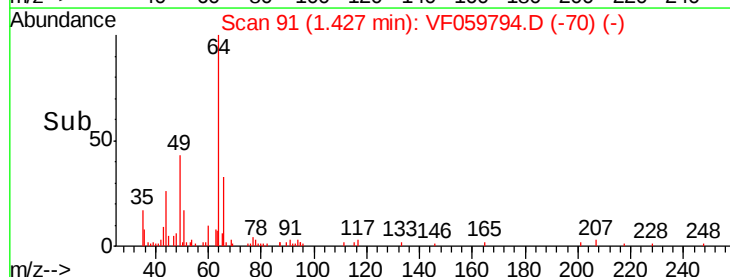
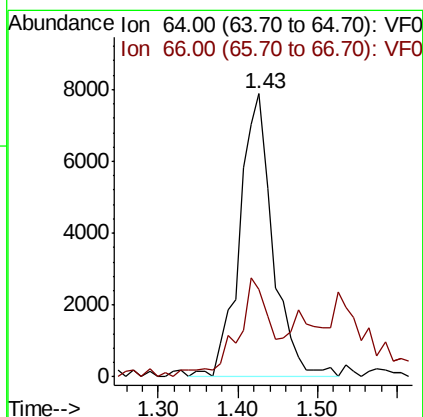
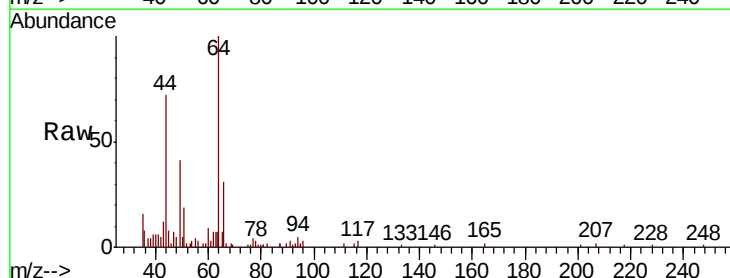
Acq: 2 Aug 2018 11:37

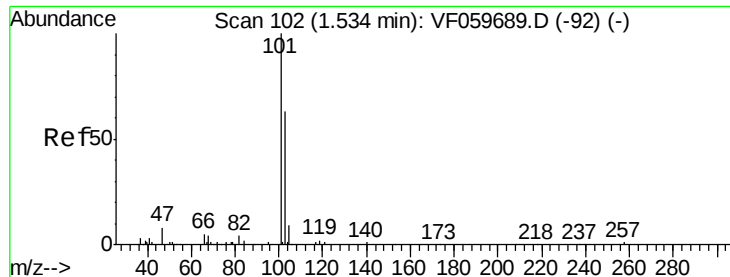
Tgt Ion: 64 Resp: 22689

Ion Ratio Lower Upper

64 100

66 31.1 32.6 49.0#





#7

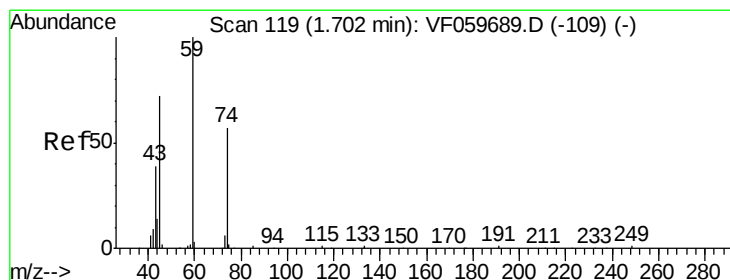
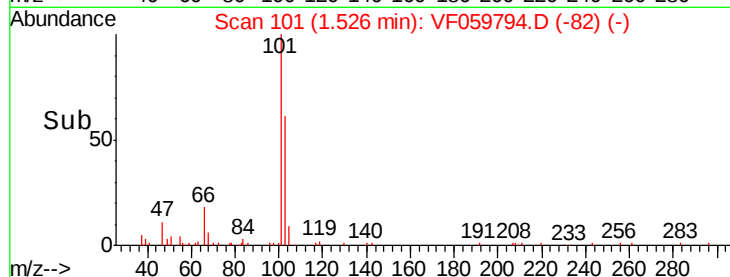
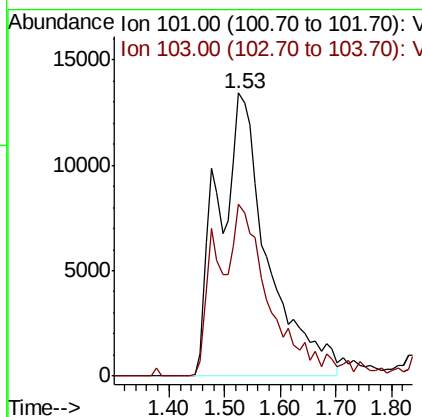
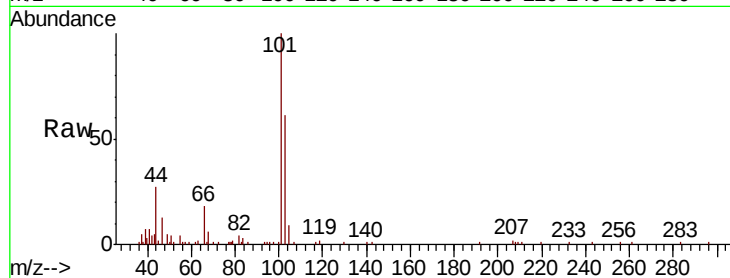
Trichlorofluoromethane
 Concen: 19.76 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	50.8	76.2

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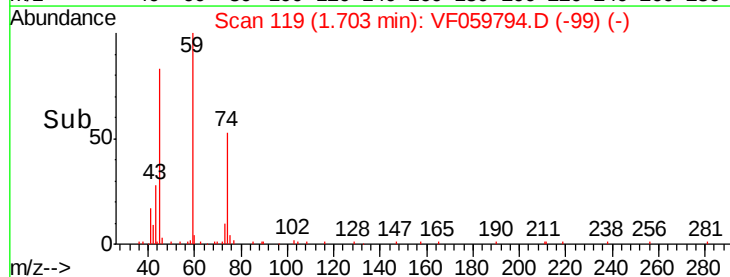
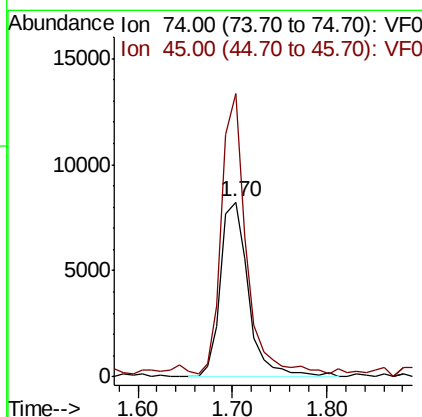
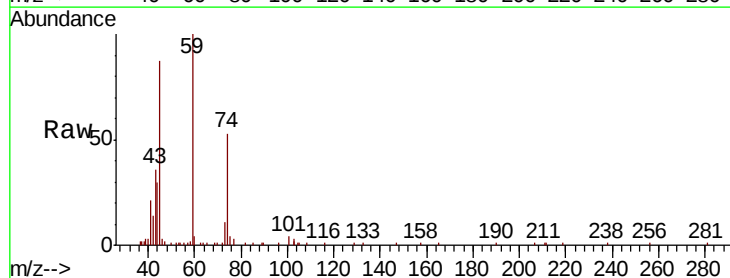
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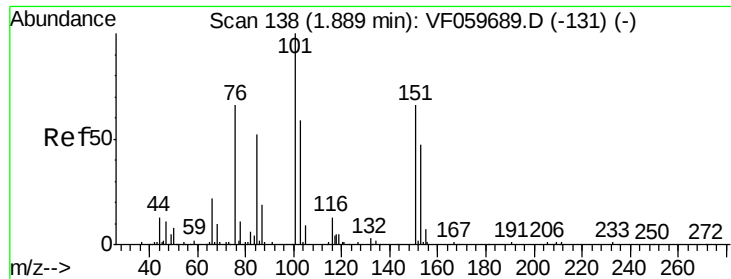


#8

Diethyl Ether
 Concen: 23.79 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	162.0	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.90 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

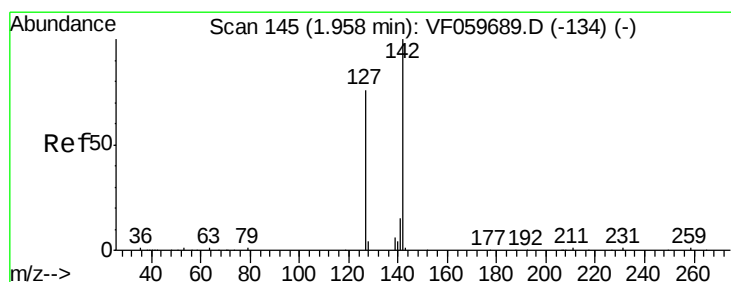
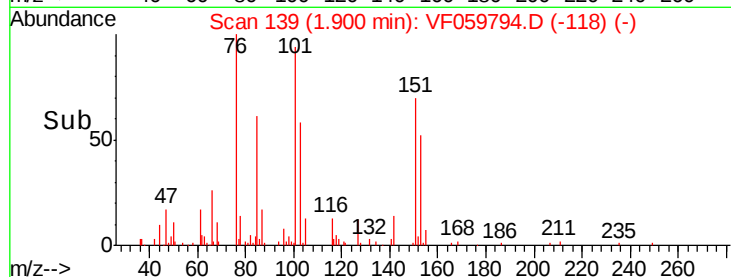
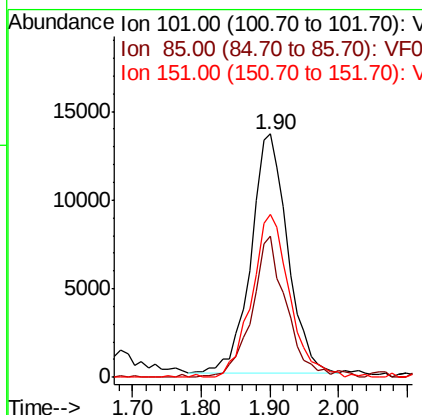
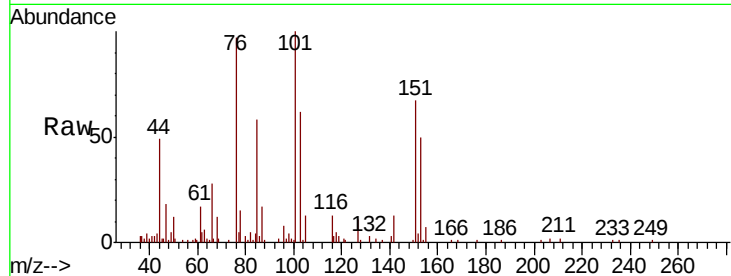
ClientSampleId :

VF0801SBSD02

Tot Ion:	101	Resp:	49981
Ion Ratio	Lower	Upper	
101	100		
85	58.2	40.7	61.1
151	67.0	51.4	77.2

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#10

Methyl Iodide

Concen: 25.83 ug/l

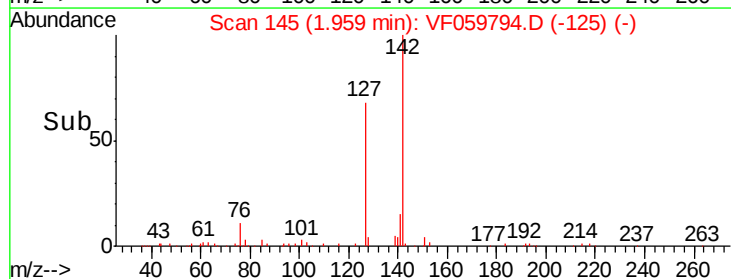
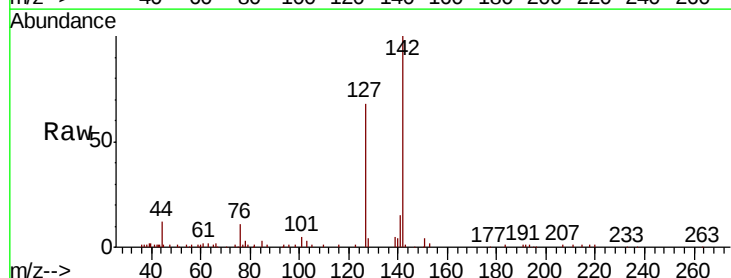
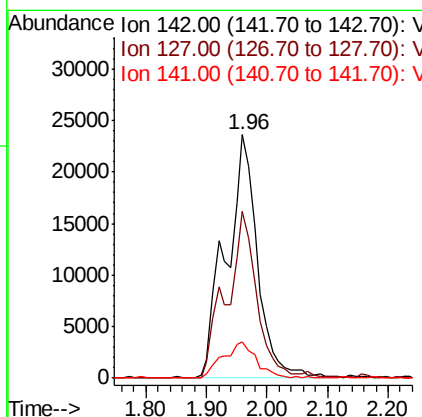
RT: 1.96 min Scan# 145

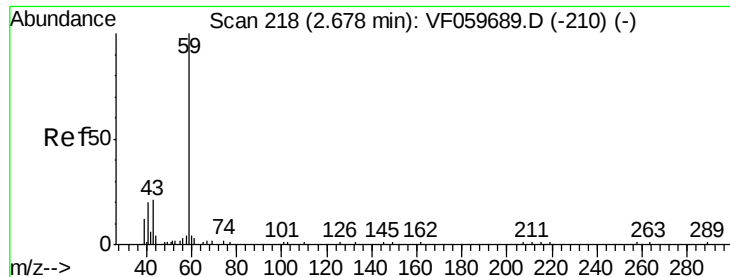
Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion:	142	Resp:	84993
Ion Ratio	Lower	Upper	
142	100		
127	68.4	60.6	91.0
141	14.9	12.0	18.0





#11

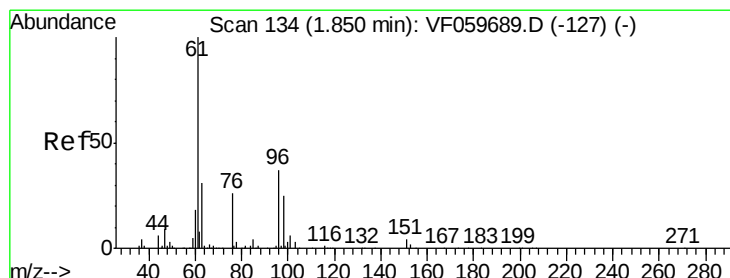
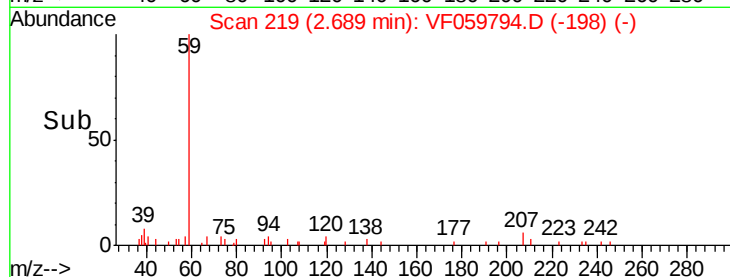
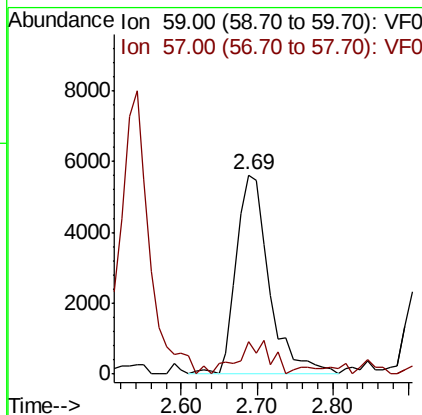
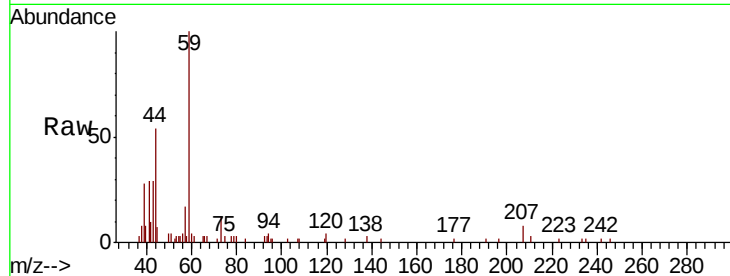
Tert butyl alcohol
 Concen: 104.54 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	59	Resp	17039
Ion Ratio	100	Lower	Upper
57	16.6	7.6	11.4#

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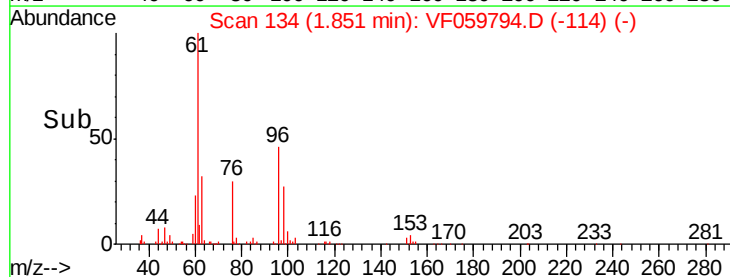
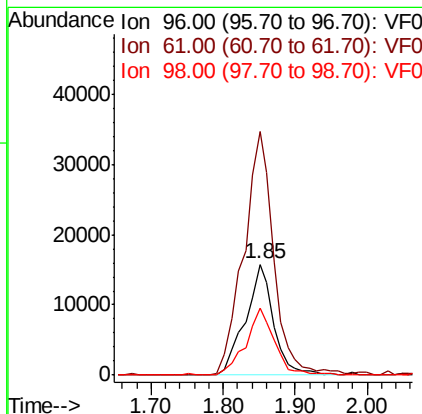
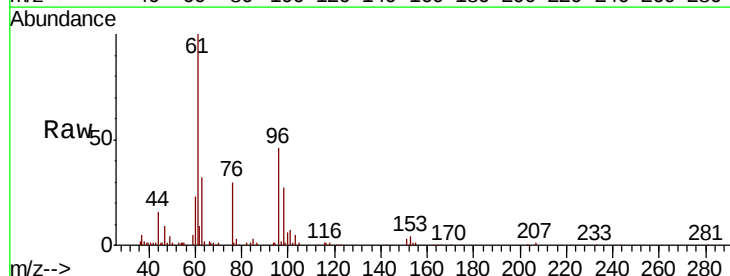
apatel
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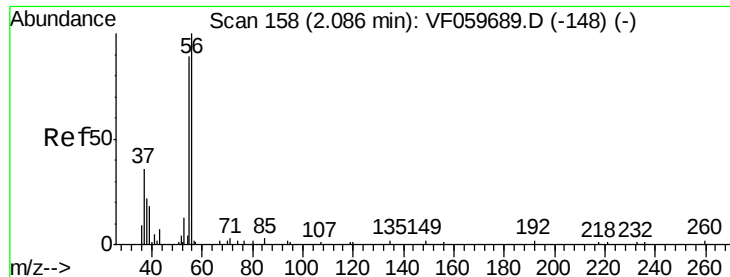


#12

1,1-Dichloroethene
 Concen: 25.10 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	96	Resp	43363
Ion Ratio	100	Lower	Upper
61	219.2	215.1	322.7
98	59.9	54.3	81.5





#13

Acrolein

Concen: 70.30 ug/l m

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tot Ion: 56 Resp: 4908

Ion Ratio Lower Upper

56 100

55 83.9 73.2 109.8

Instrument :

MSVOA_F

ClientSampleId :

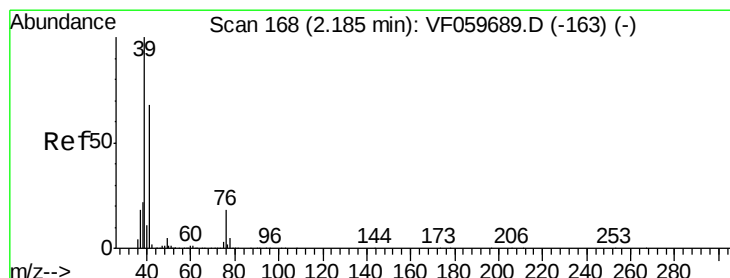
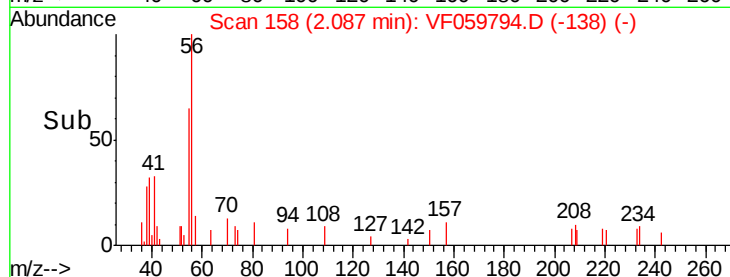
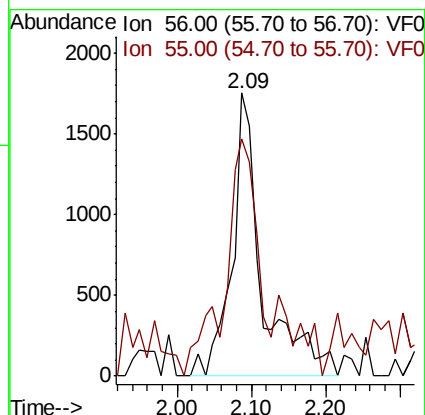
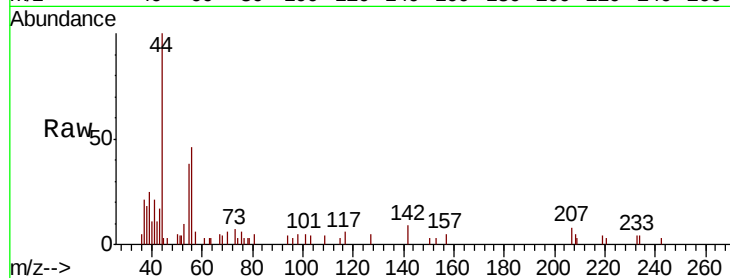
VF0801SBSD02

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#14

Allyl chloride

Concen: 26.39 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

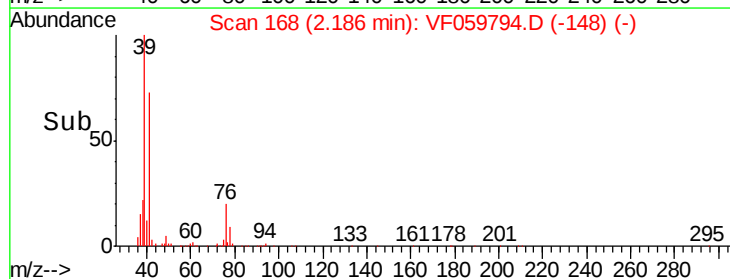
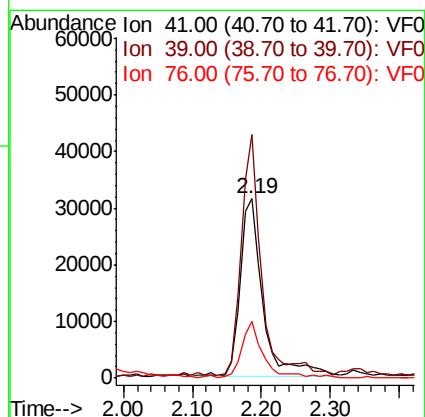
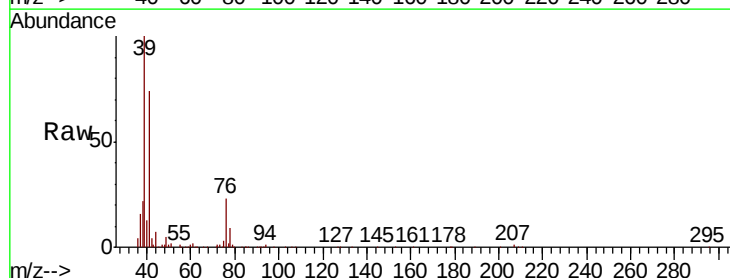
Tgt Ion: 41 Resp: 72798

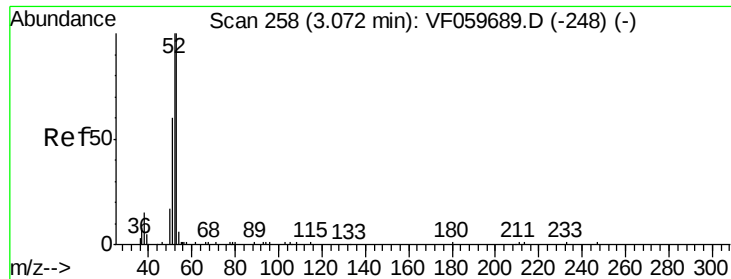
Ion Ratio Lower Upper

41 100

39 135.9 118.1 177.1

76 31.4 22.0 33.0





#15

Acrylonitrile

Concen: 135.88 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

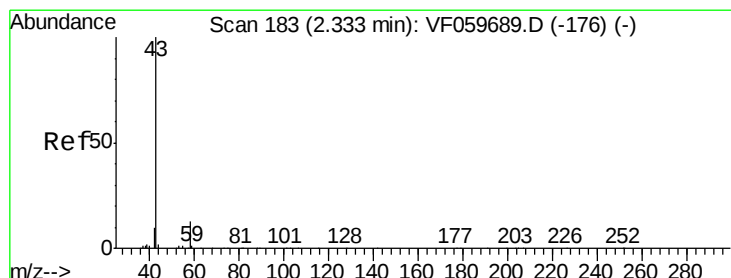
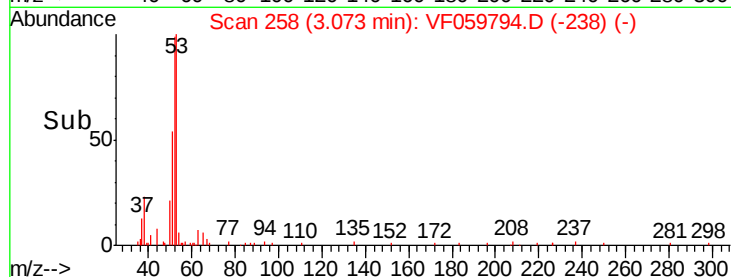
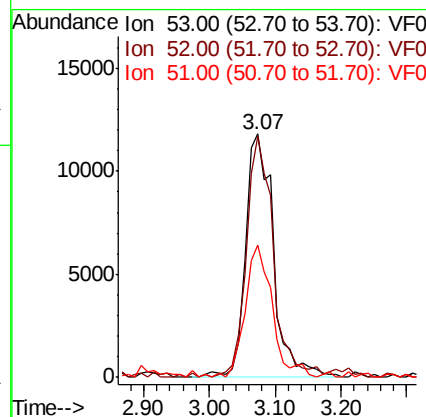
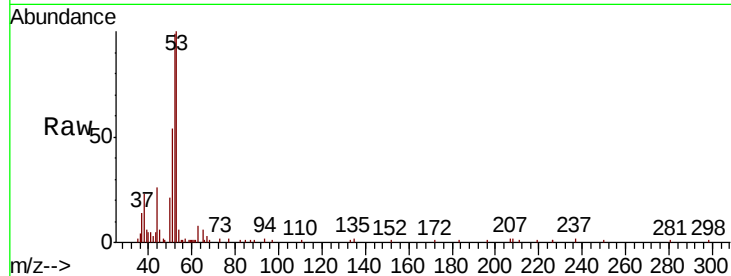
ClientSampleId :

VF0801SBSD02

Tot Ion:	53	Resp:	35196
Ion	Ratio	Lower	Upper
53	100		
52	99.1	80.3	120.5
51	54.1	49.4	74.0

Manual Integrations
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#16

Acetone

Concen: 96.01 ug/l

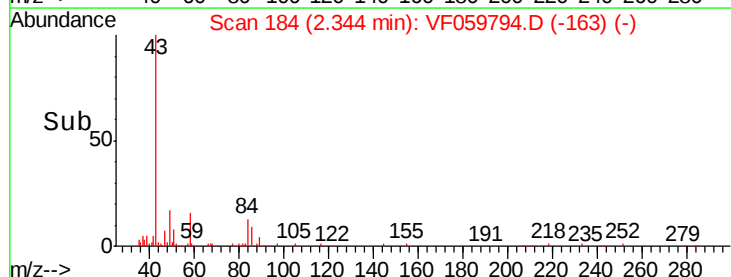
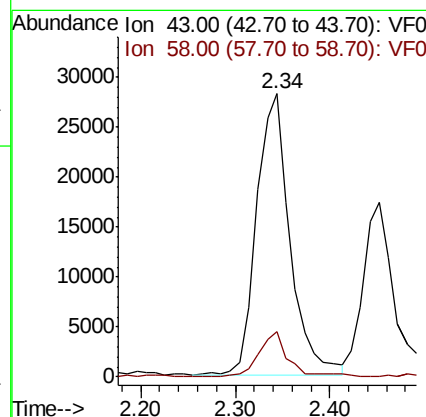
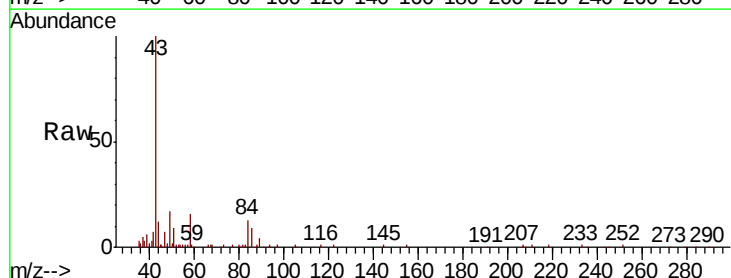
RT: 2.34 min Scan# 184

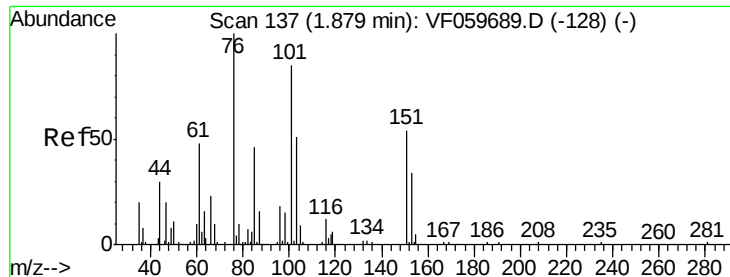
Delta R.T. 0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion:	43	Resp:	69247
Ion	Ratio	Lower	Upper
43	100		
58	16.2	10.1	15.1#





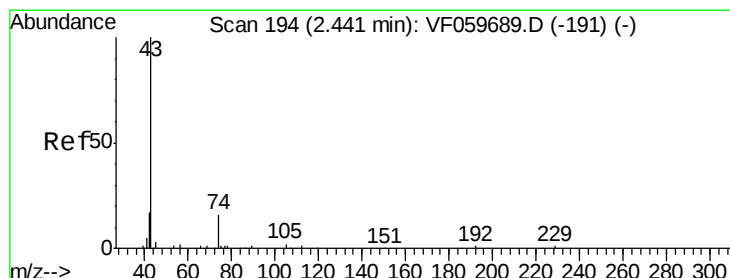
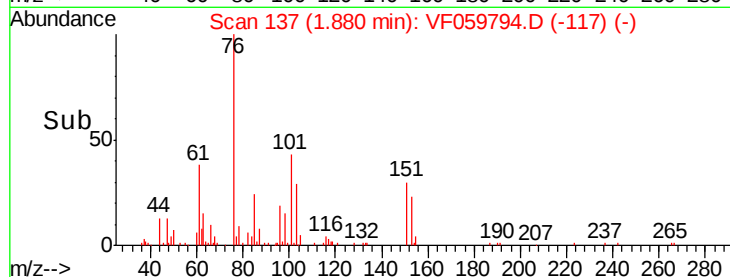
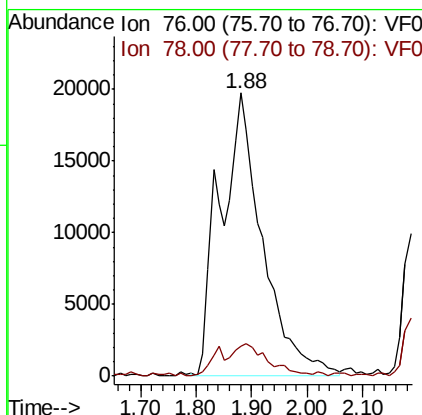
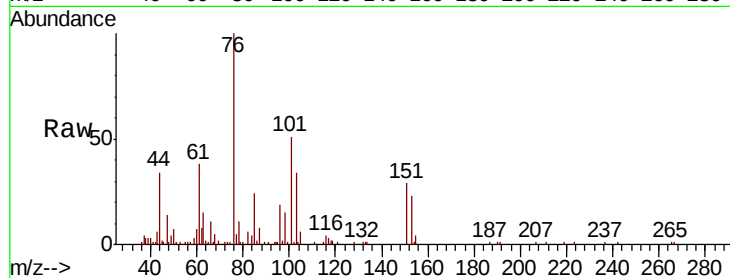
#17
Carbon Disulfide
Concen: 27.08 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.8	8.9	13.3

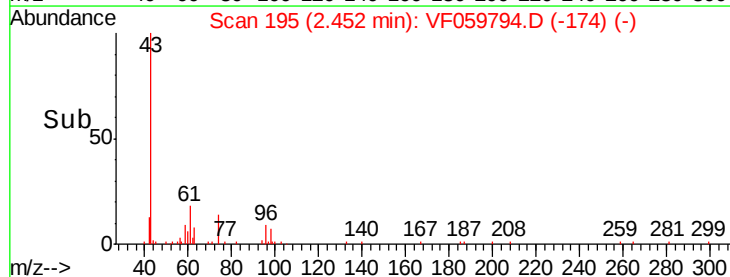
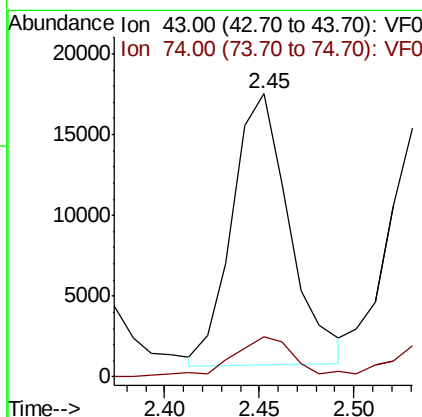
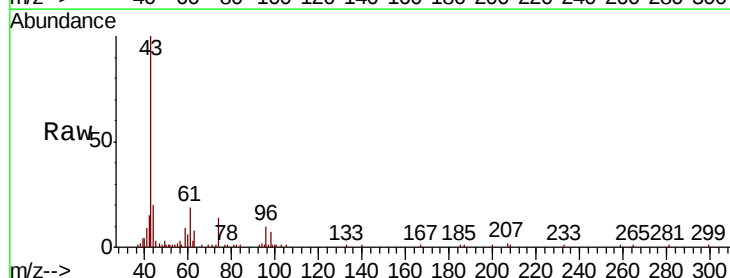
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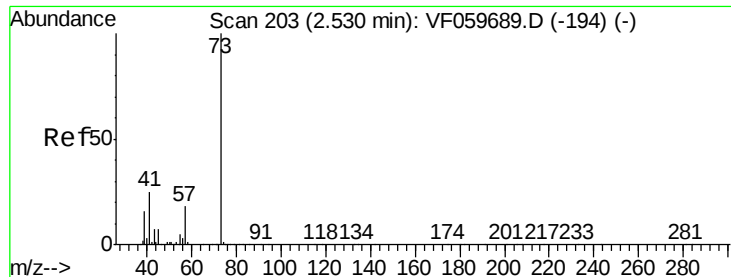
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#18
Methyl Acetate
Concen: 29.52 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.1	11.8	17.6





#19

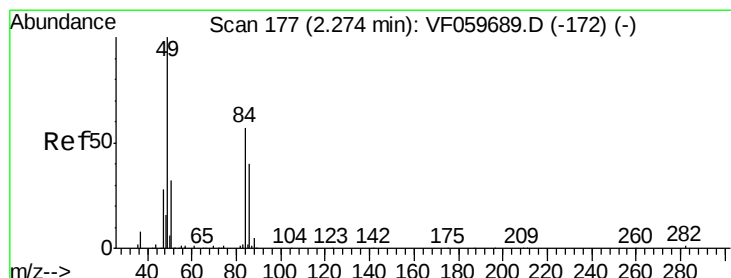
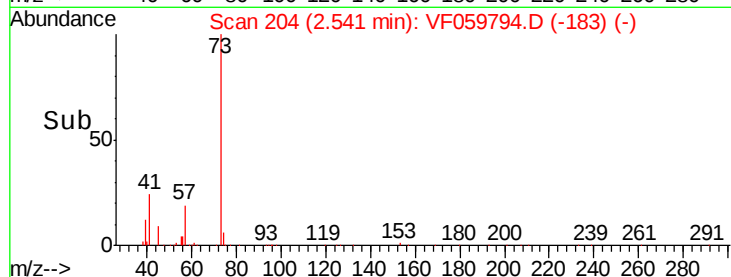
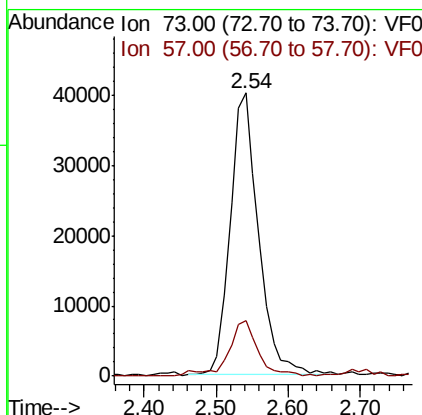
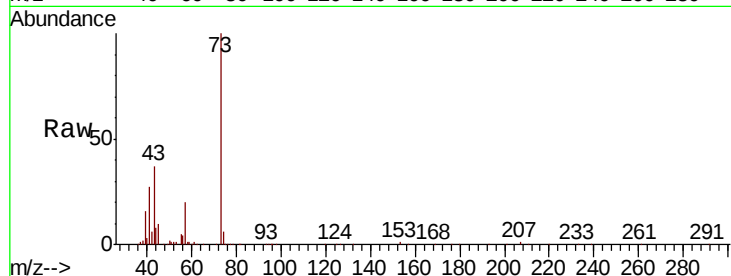
Methyl tert-butyl Ether
 Concen: 20.79 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	14.2	21.2

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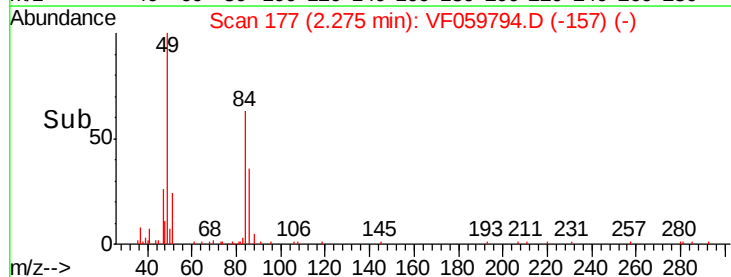
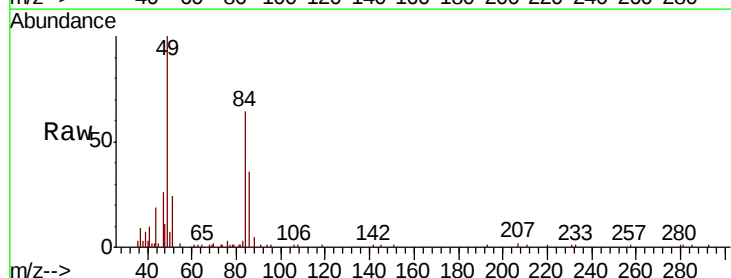
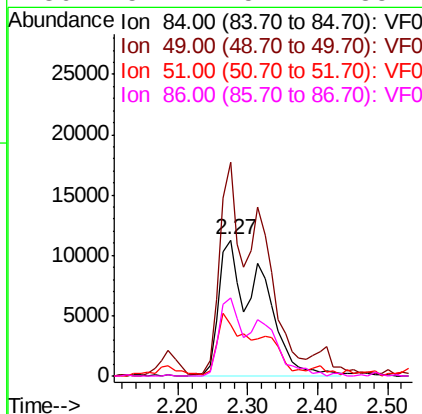
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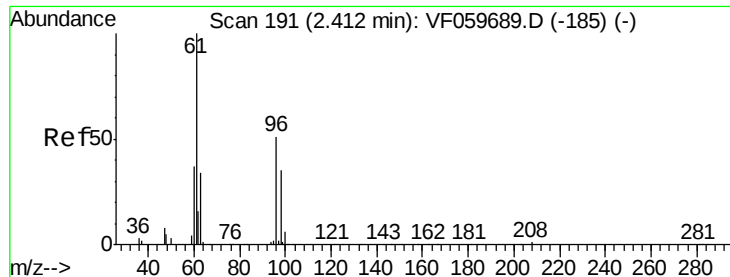


#20

Methylene Chloride
 Concen: 26.95 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.1	142.2	213.4
51	37.8	46.2	69.2#
86	57.1	57.1	85.7#





#21

trans-1,2-Dichloroethene

Concen: 26.15 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

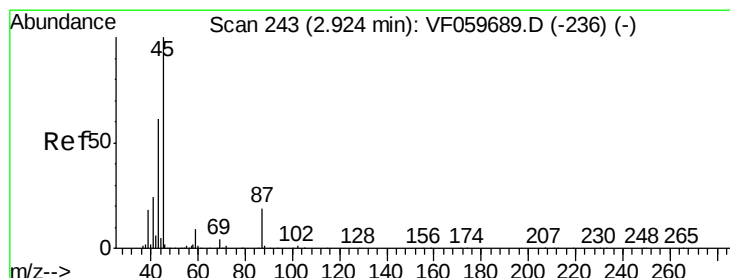
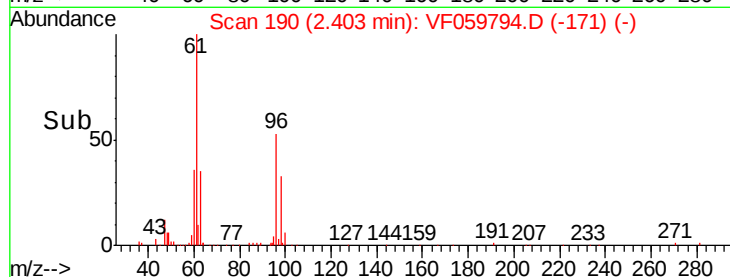
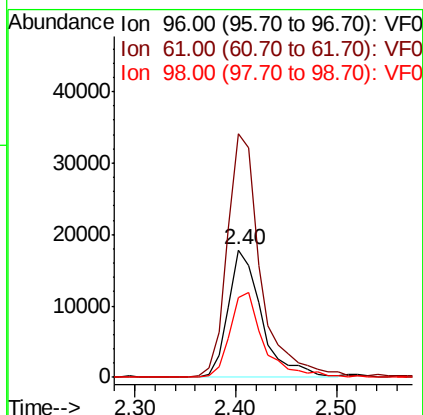
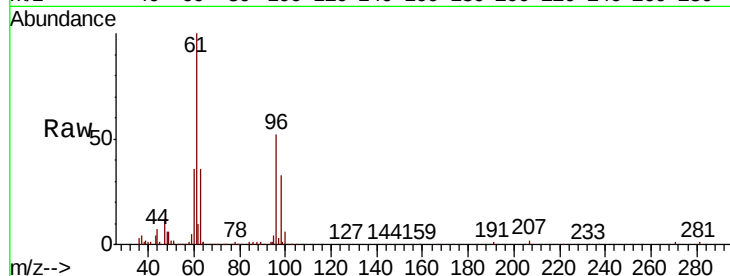
ClientSampleId :

VF0801SBS02

Tot Ion:	96	Resp:	41388
Ion	Ratio	Lower	Upper
96	100		
61	190.8	157.4	236.0
98	62.5	55.0	82.4

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#22

Diisopropyl ether

Concen: 24.21 ug/l

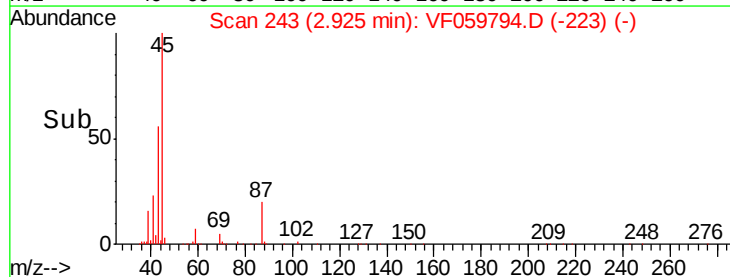
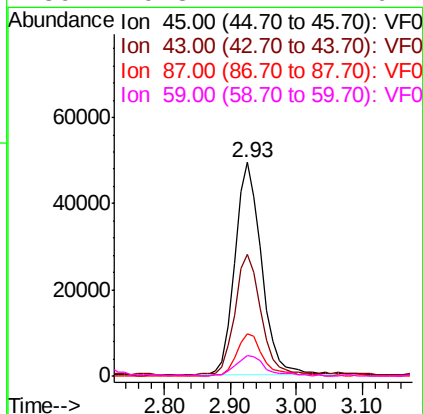
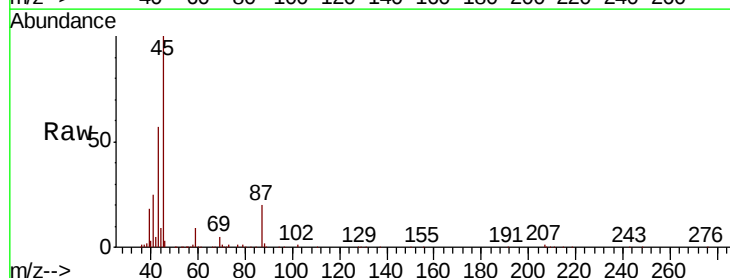
RT: 2.93 min Scan# 243

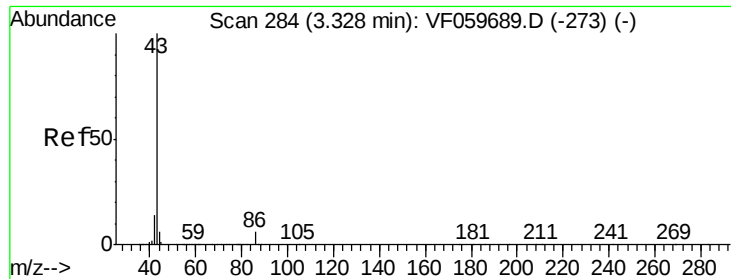
Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion:	45	Resp:	141213
Ion	Ratio	Lower	Upper
45	100		
43	56.7	49.3	73.9
87	19.7	15.3	22.9
59	9.3	7.1	10.7





#23

Vinyl Acetate

Concen: 99.81 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 43 Resp: 299370

Ion Ratio Lower Upper

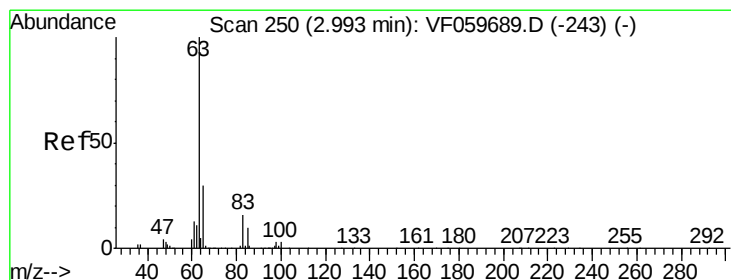
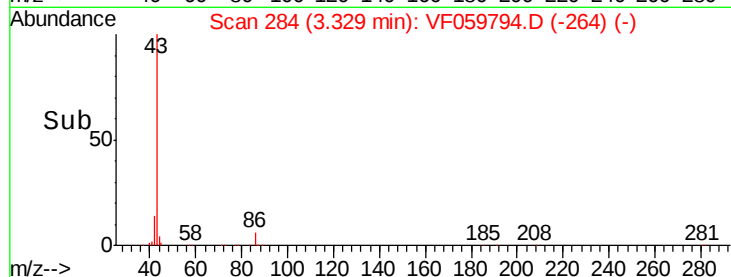
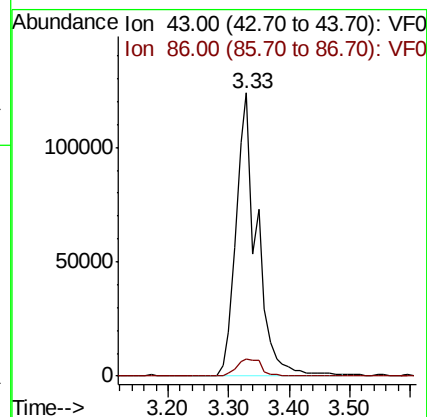
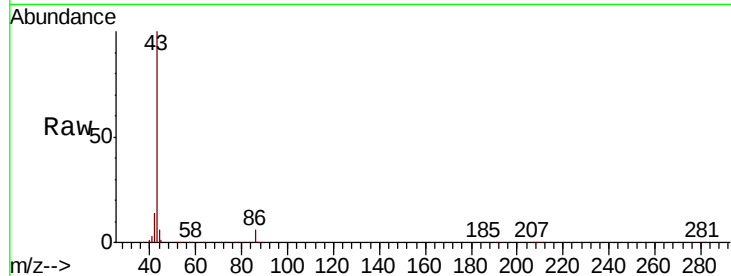
43 100

86 6.2 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 23.54 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

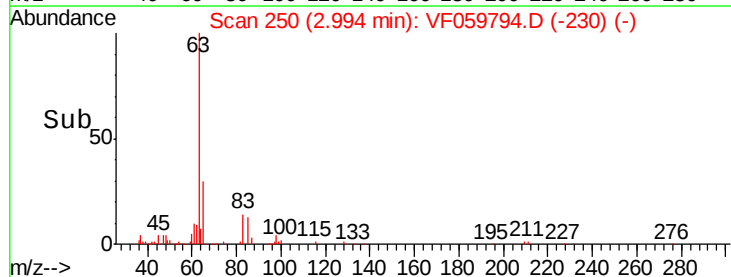
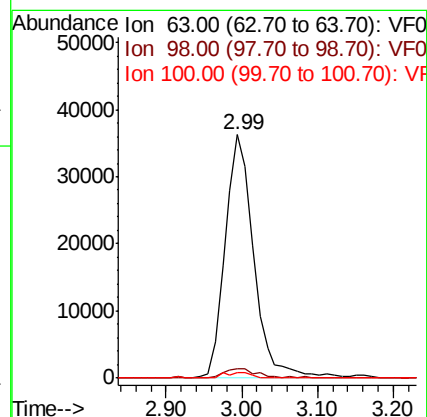
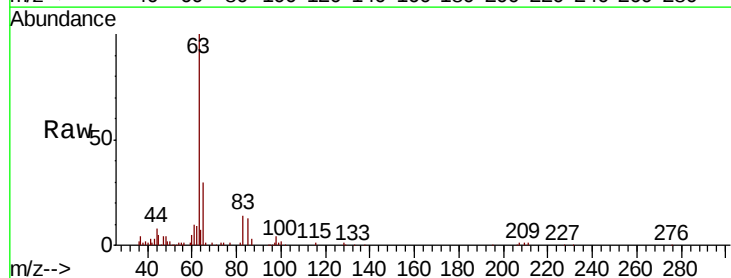
Tgt Ion: 63 Resp: 95391

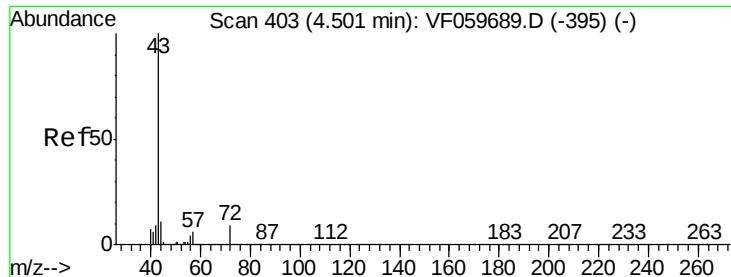
Ion Ratio Lower Upper

63 100

98 4.1 1.4 4.2

100 2.3 1.6 4.7





#25

2-Butanone

Concen: 100.30 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 43 Resp: 80735

Ion Ratio Lower Upper

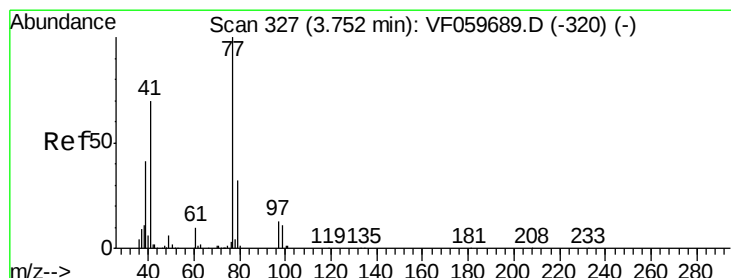
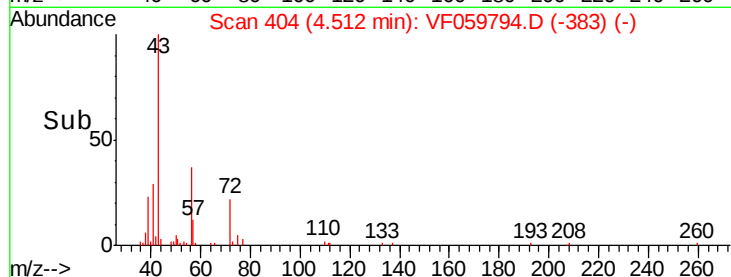
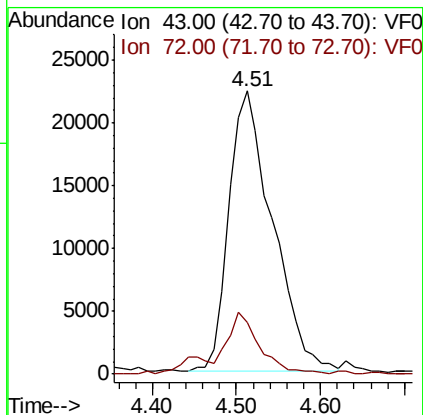
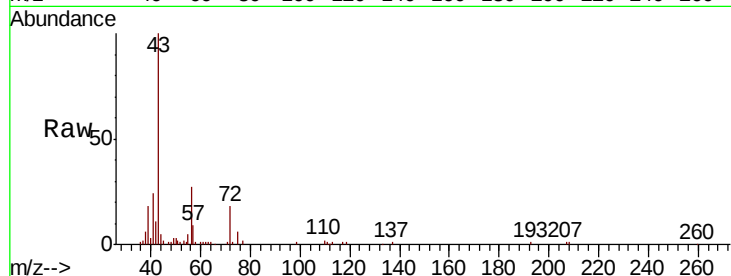
43 100

72 18.1 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 22.58 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059794.D

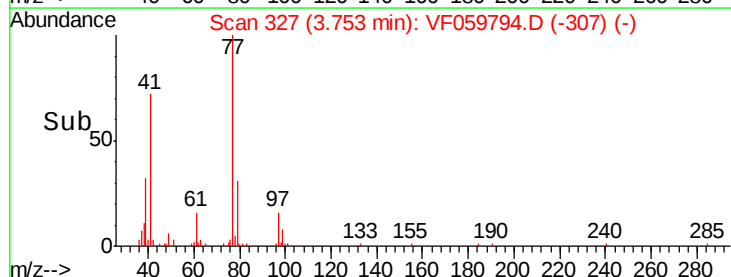
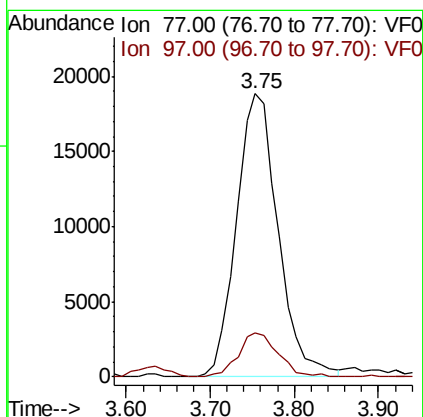
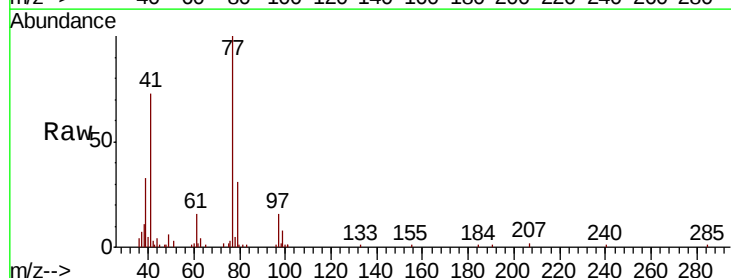
Acq: 2 Aug 2018 11:37

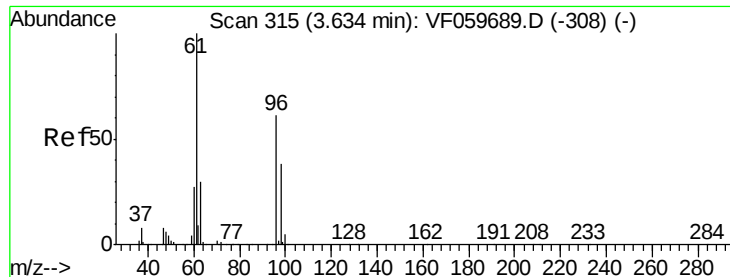
Tgt Ion: 77 Resp: 65253

Ion Ratio Lower Upper

77 100

97 15.6 6.8 20.4





#27

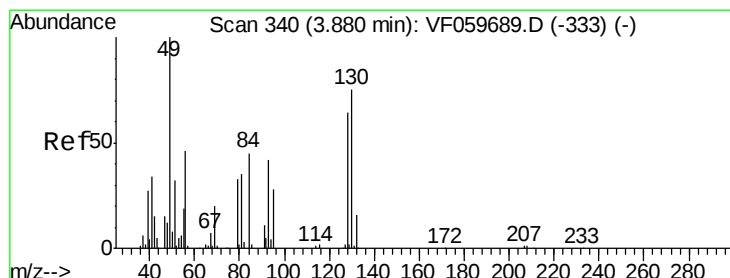
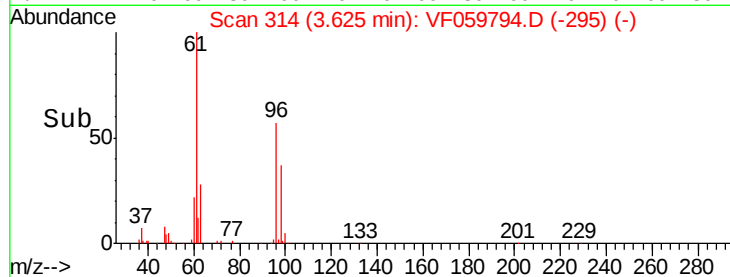
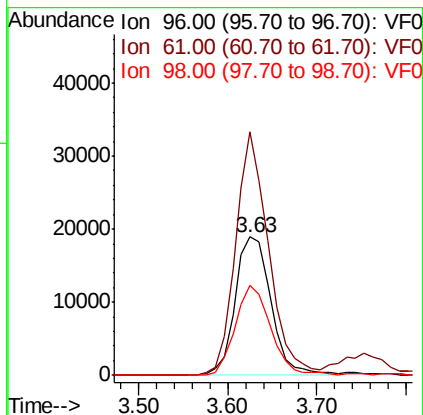
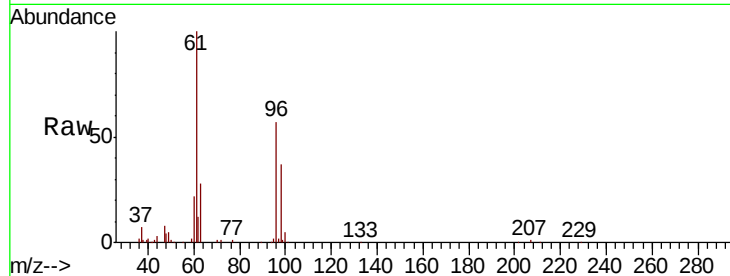
cis-1,2-Dichloroethene
Concen: 24.52 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.8	0.0	326.8
98	64.6	0.0	125.2

Manual Integrations
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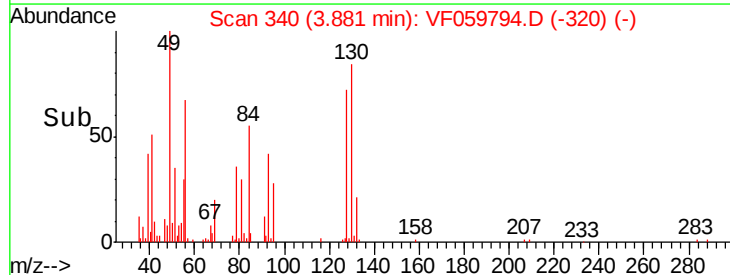
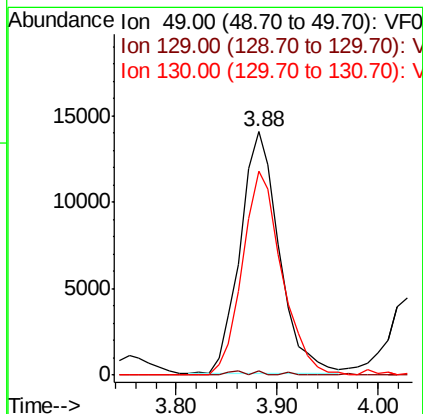
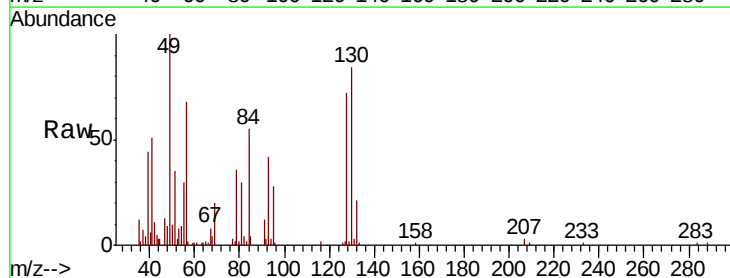
apatel
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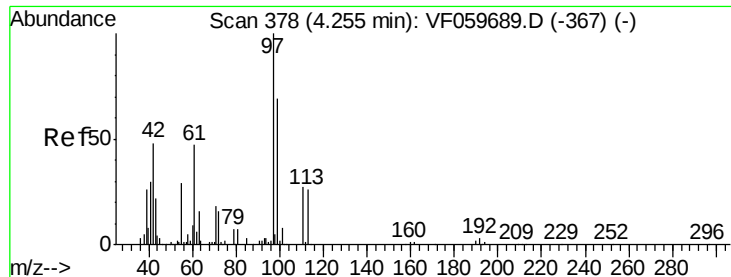


#28

Bromochloromethane
Concen: 24.18 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	83.5	59.6	89.4





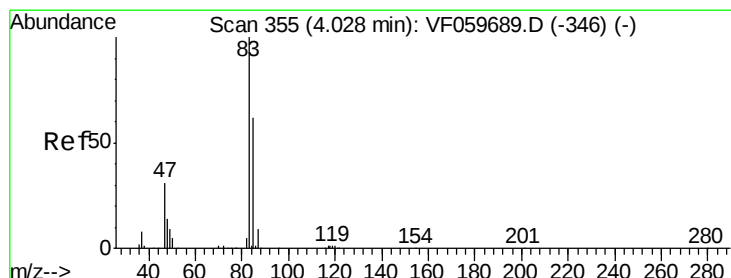
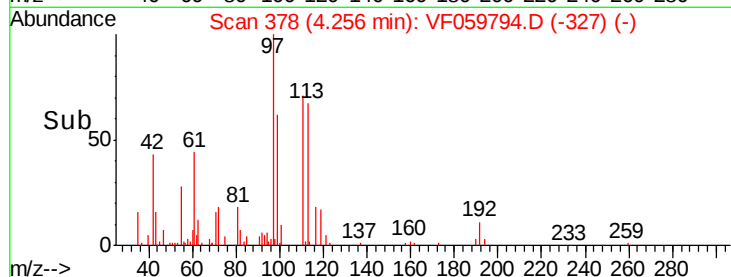
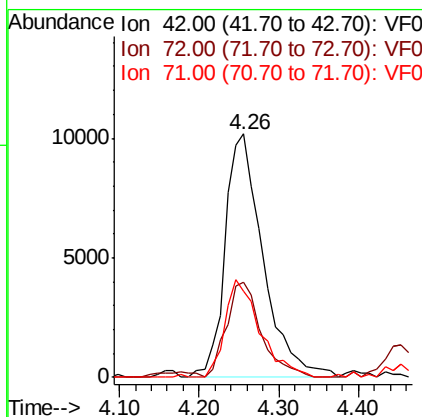
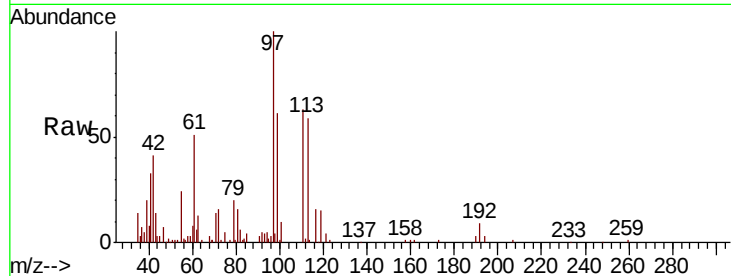
#29
Tetrahydrofuran
Concen: 109.48 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	27.0	40.6
71	37.0	29.7	44.5

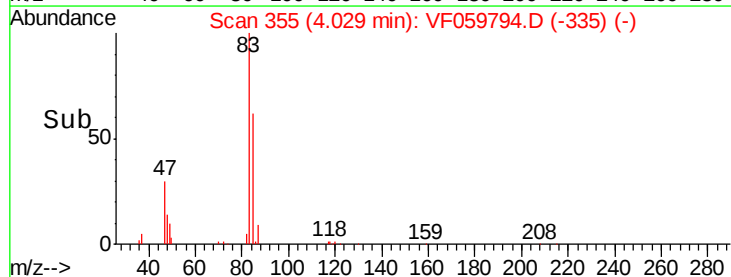
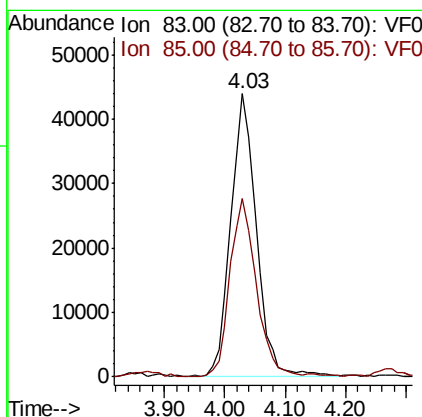
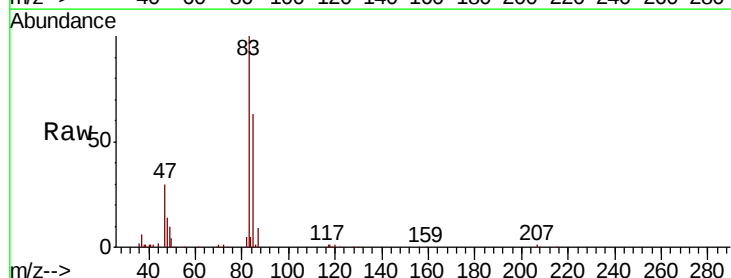
Manual Integrations
APPROVED

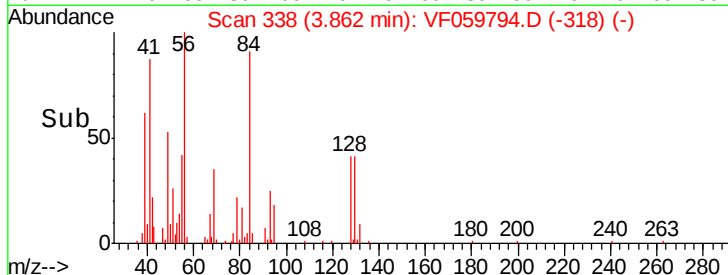
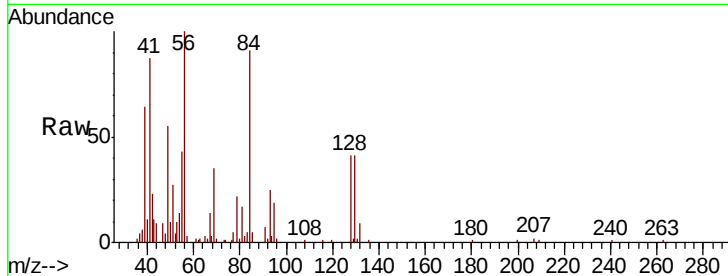
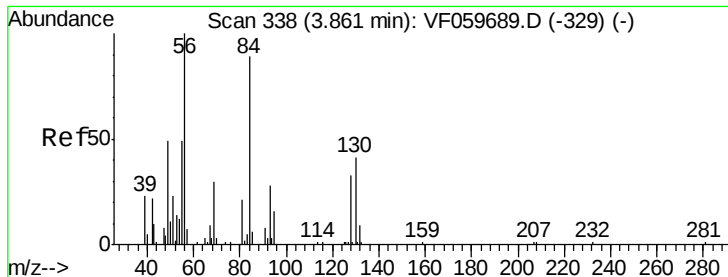
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#30
Chloroform
Concen: 22.73 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.4	74.0





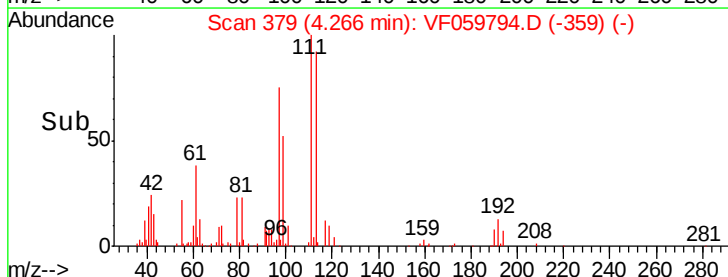
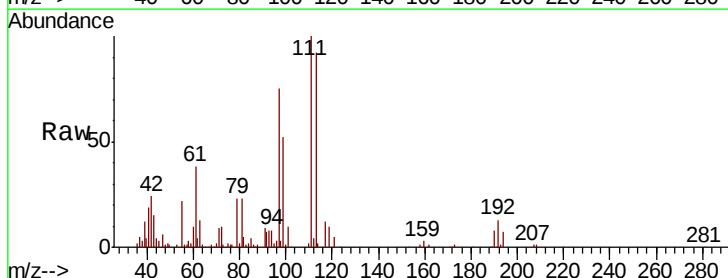
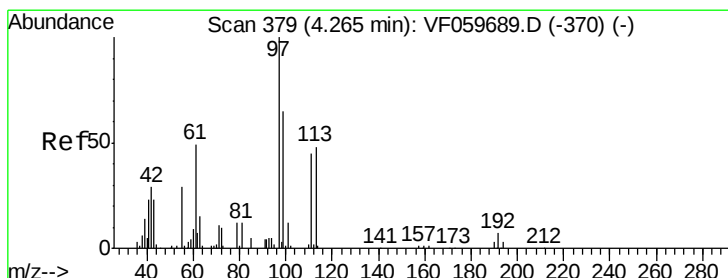
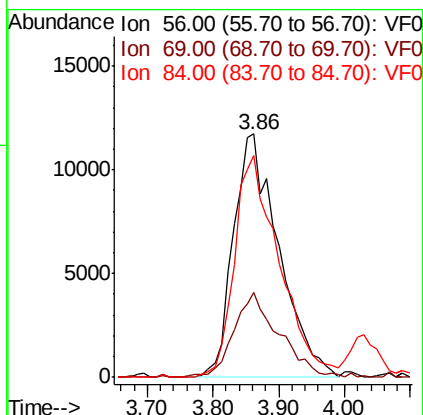
#31
Cyclohexane
Concen: 26.95 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tot Ion	56	Resp	56680
Ion	Ratio	Lower	Upper
56	100		
69	35.1	23.7	35.5
84	91.3	71.1	106.7

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

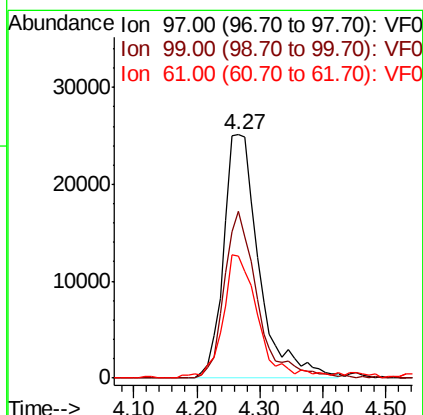
Manual Integrations
APPROVED

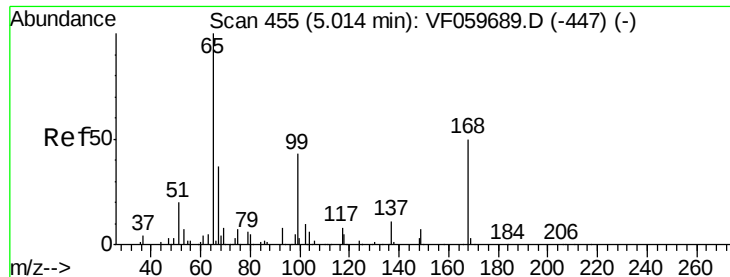
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#32
1,1,1-Trichloroethane
Concen: 22.08 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	97	Resp	97969
Ion	Ratio	Lower	Upper
97	100		
99	70.3	52.4	78.6
61	50.2	39.7	59.5





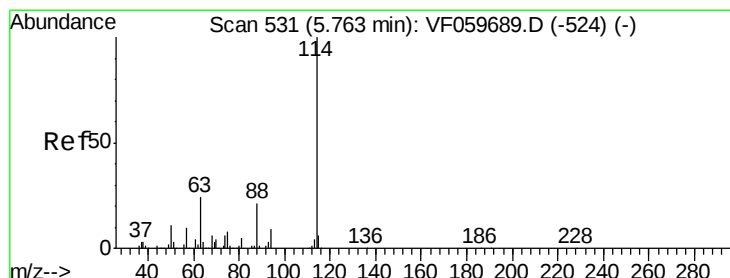
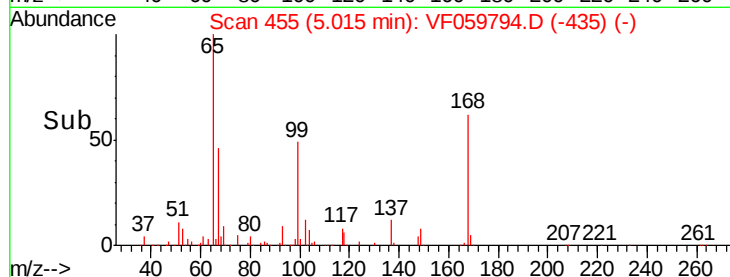
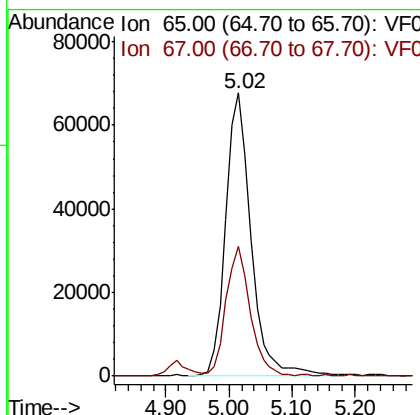
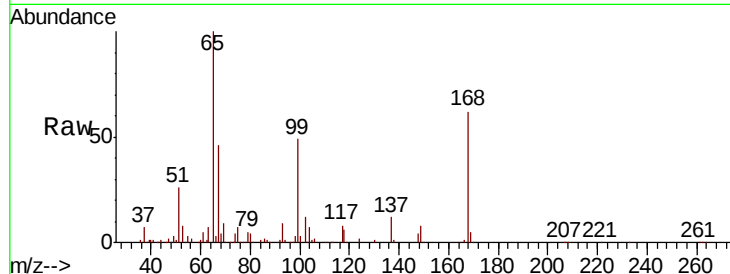
#33
 1,2-Dichloroethane-d4
 Concen: 46.73 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187393		
67	45.8	0.0	84.6	

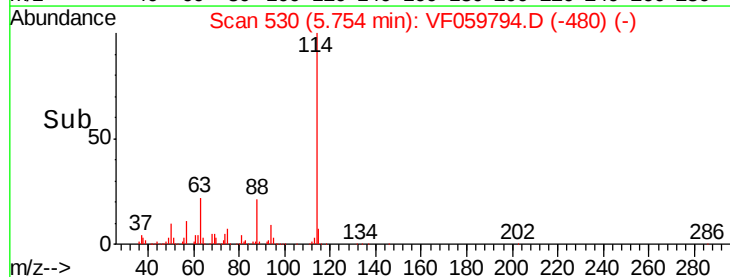
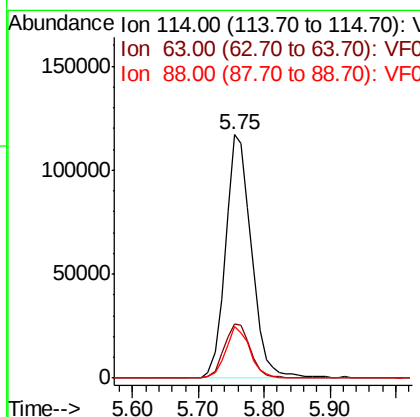
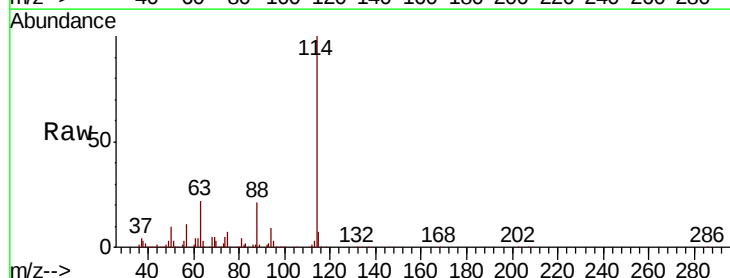
Manual Integrations
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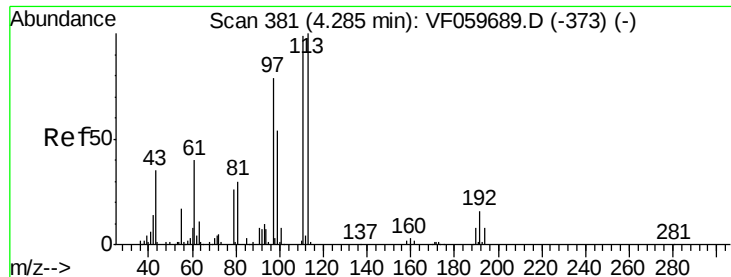
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	323043		
63	22.2	0.0	47.4	
88	21.4	0.0	41.2	





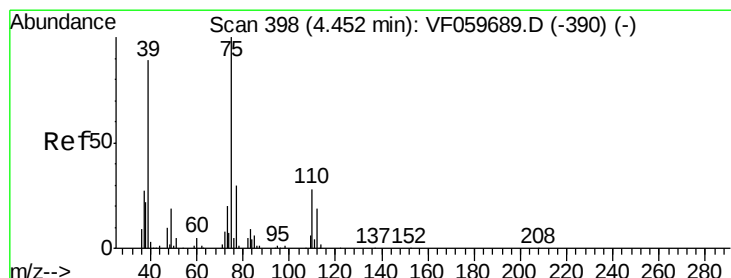
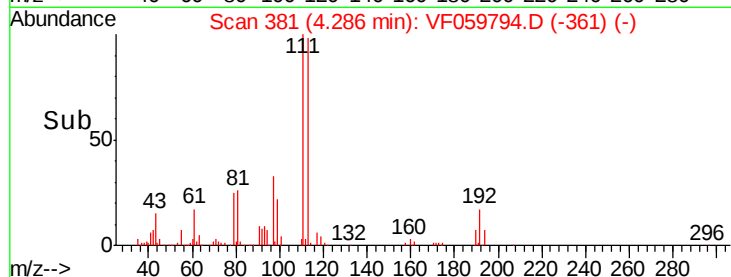
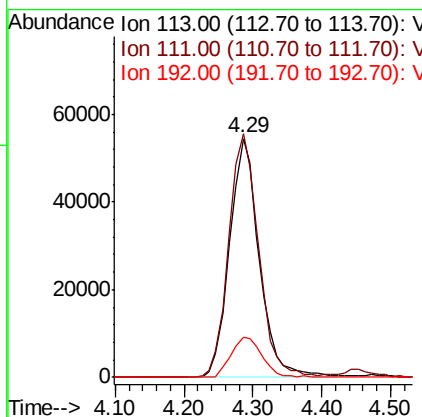
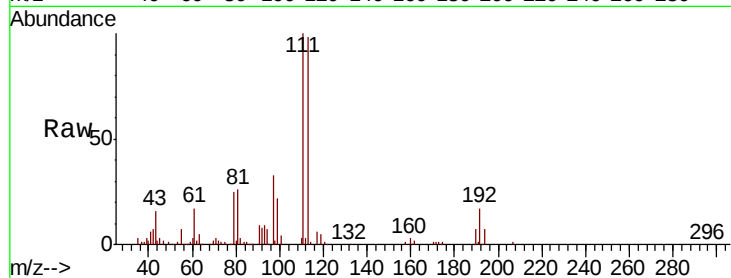
#35
 Dibromofluoromethane
 Concen: 48.55 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	79.0	118.4
192	17.0	13.2	19.8

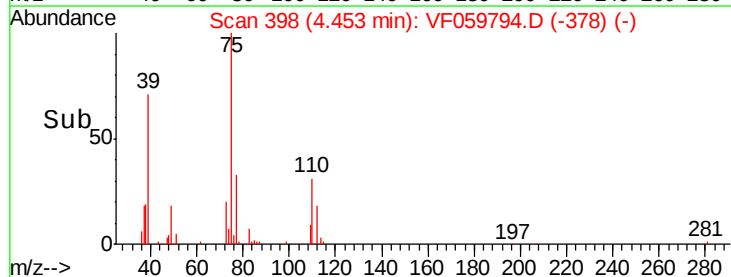
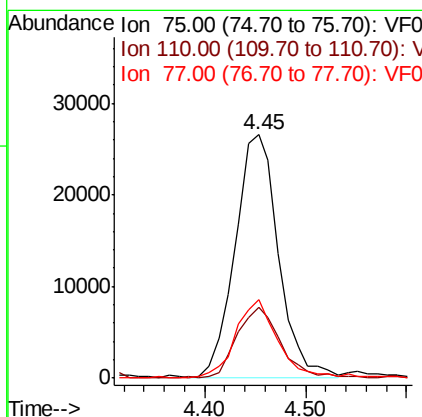
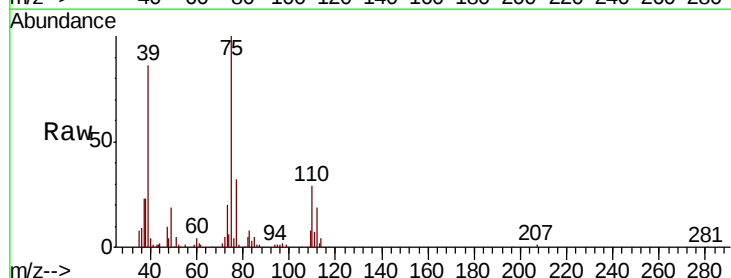
Manual Integrations
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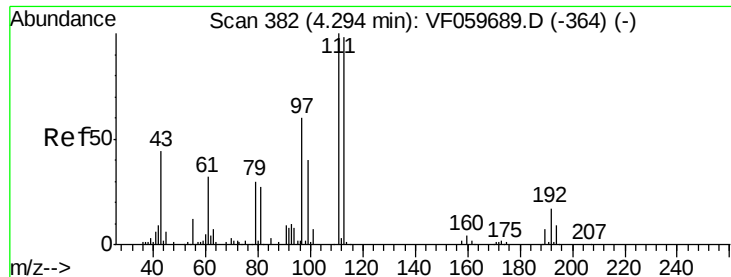
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#36
 1,1-Dichloropropene
 Concen: 22.22 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.2	14.0	41.9
77	32.0	24.2	36.2





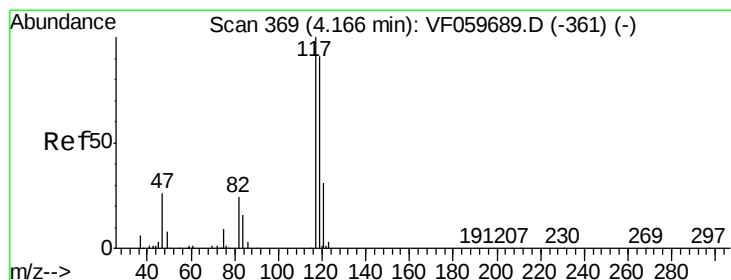
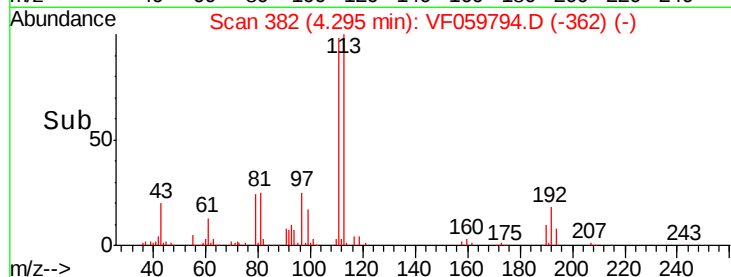
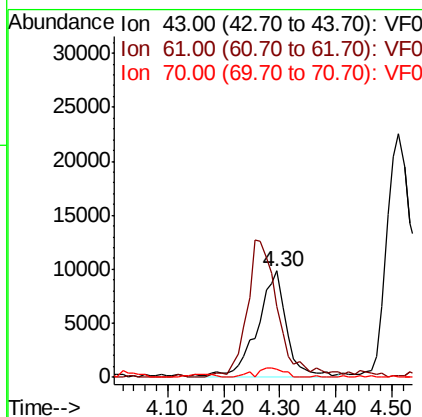
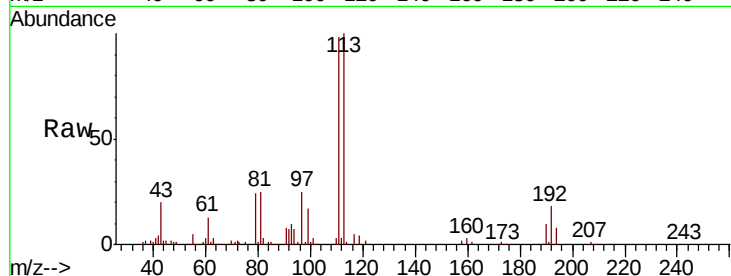
#37
Ethyl Acetate
Concen: 19.45 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	66.1	58.2	87.2
70	8.0	6.0	9.0

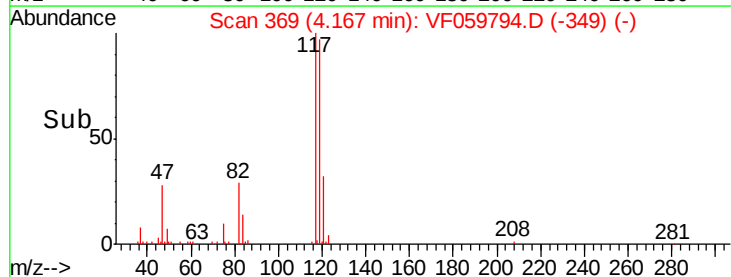
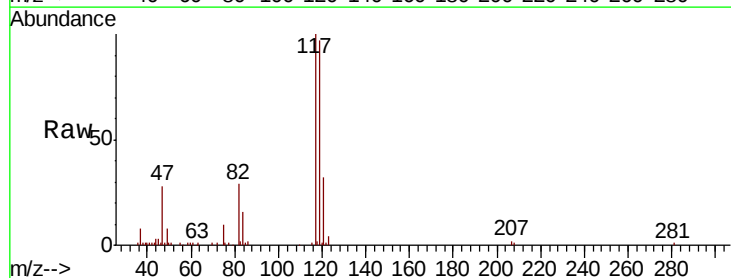
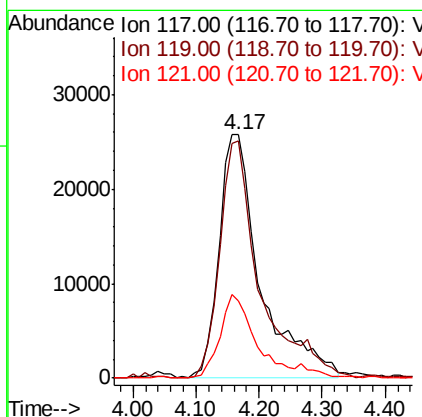
Manual Integrations
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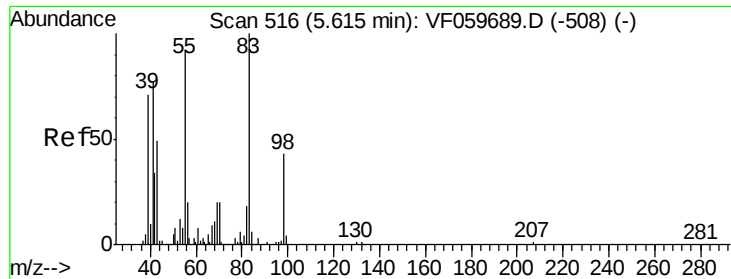
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#38
Carbon Tetrachloride
Concen: 22.96 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	72.9	109.3
121	31.6	25.0	37.4





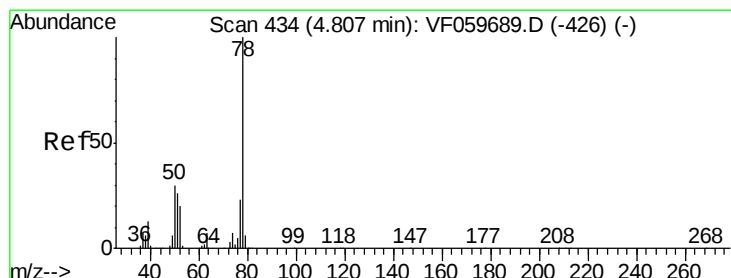
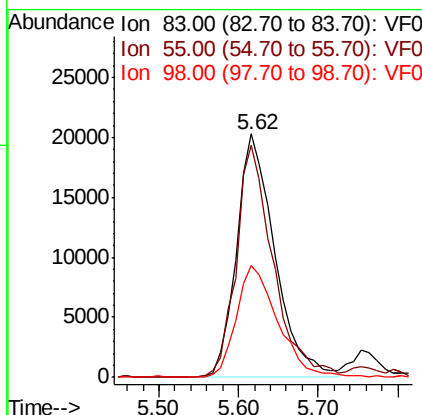
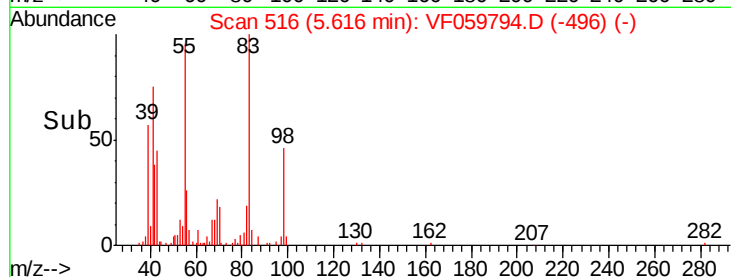
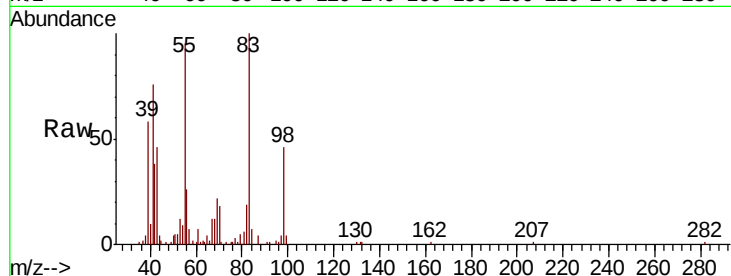
#39
Methvlcvclohexane
Concen: 25.06 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	83.00	Resp:	67882
Ion	Ratio	Lower	Upper
83	100		
55	95.2	73.4	110.2
98	45.9	34.2	51.4

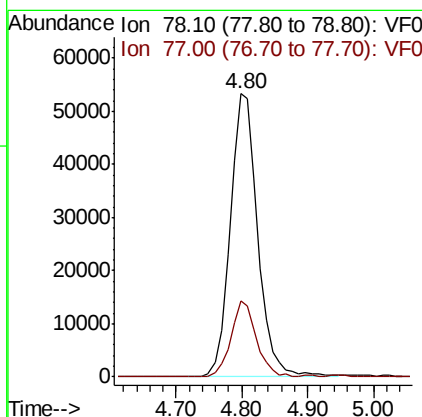
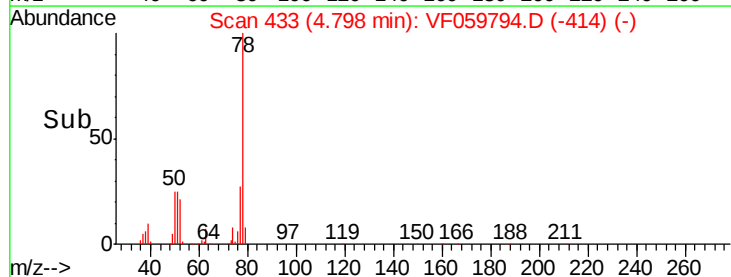
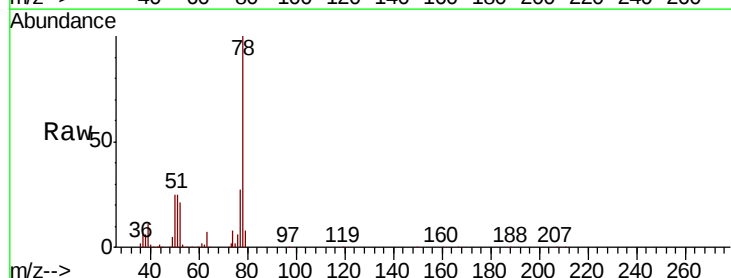
Manual Integrations
APPROVED

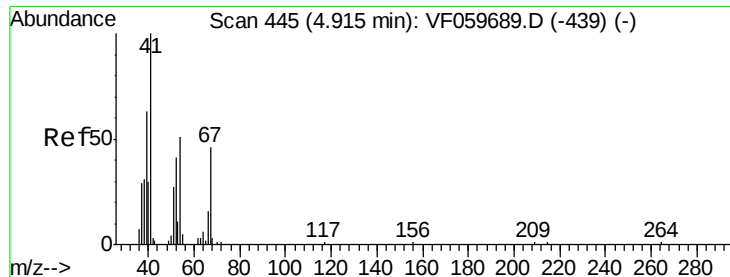
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#40
Benzene
Concen: 23.89 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	78	Resp:	155842
Ion	Ratio	Lower	Upper
78	100		
77	26.8	18.9	28.3





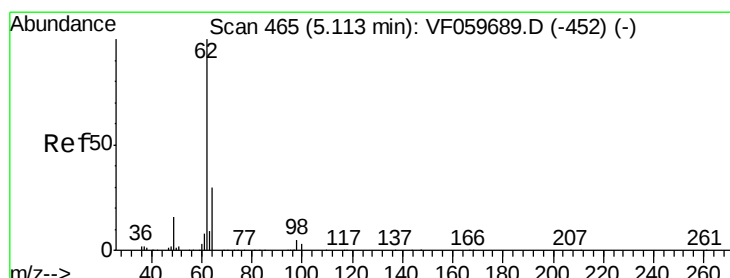
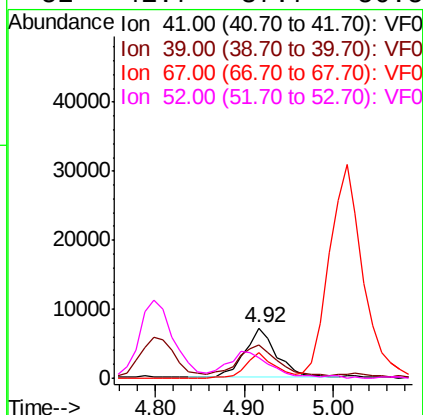
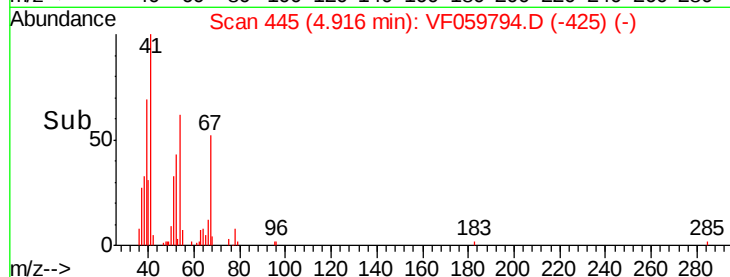
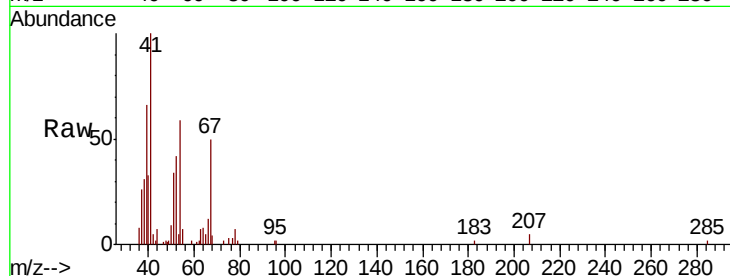
#41
Methacrylonitrile
Concen: 20.46 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		17987		
39	66.3	55.2	82.8		
67	50.4	36.2	54.2		
52	41.7	37.7	56.5		

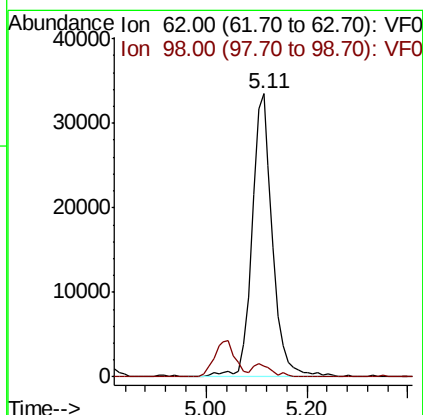
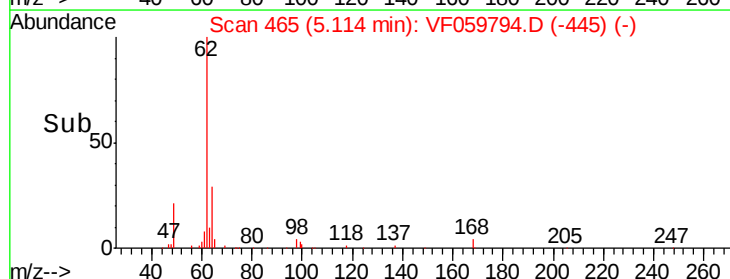
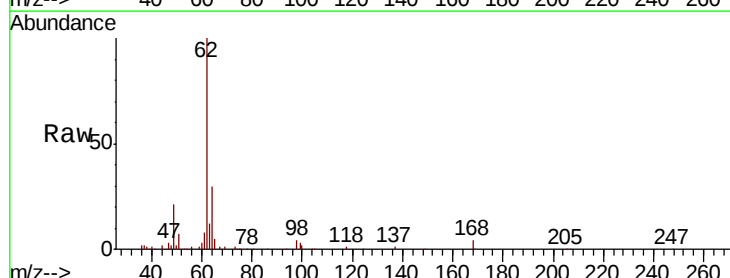
Manual Integrations
APPROVED

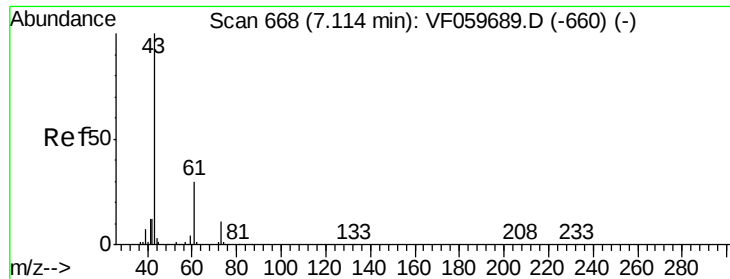
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#42
1,2-Dichloroethane
Concen: 20.85 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		95212		
98	3.8	0.0	9.6		





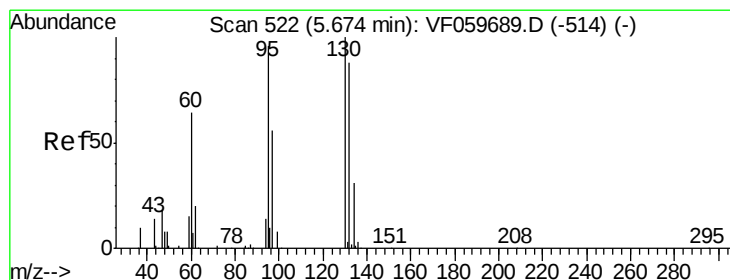
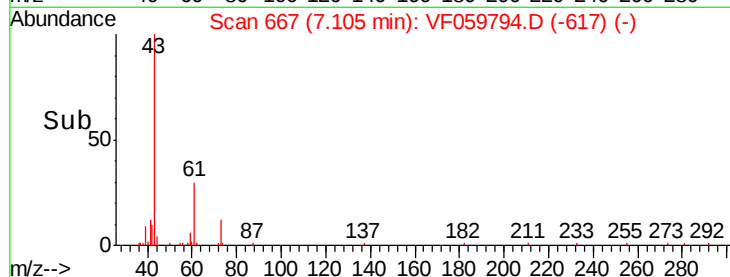
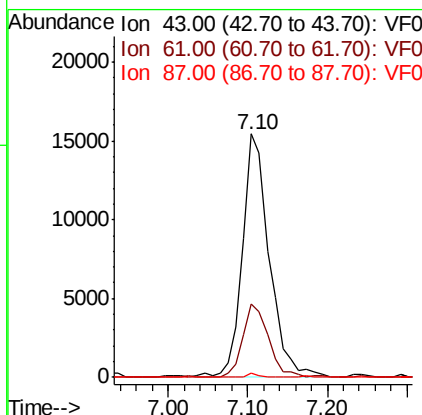
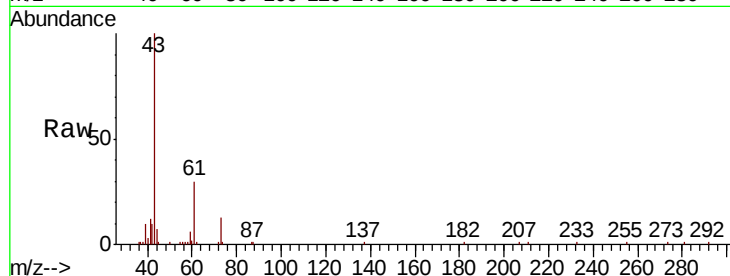
#43
Isopropyl Acetate
Concen: 18.60 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.8	35.8
87	1.5	0.6	1.0

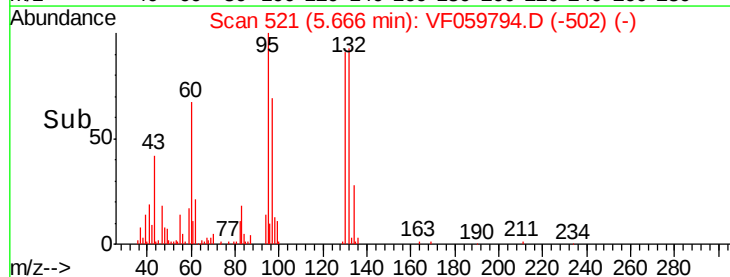
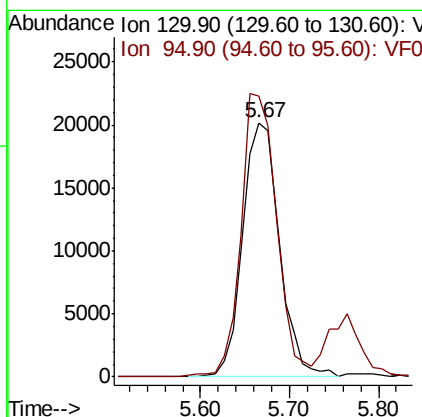
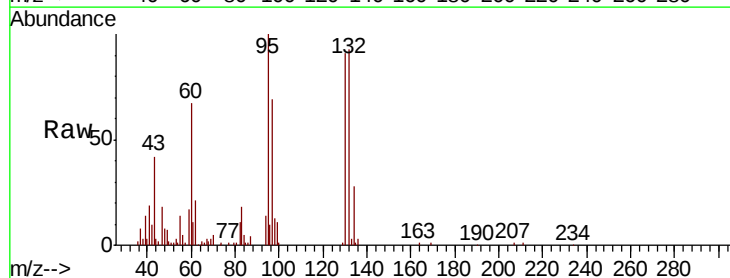
Manual Integrations
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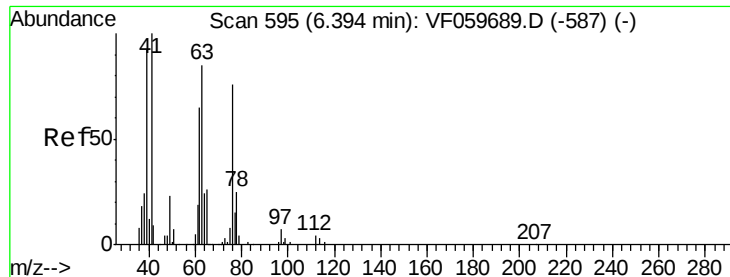
apatel
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#44
Trichloroethene
Concen: 23.48 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.4	0.0	191.0





#45

1,2-Dichloropropane

Concen: 24.67 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 63 Resp: 42506

Ion Ratio Lower Upper

63 100

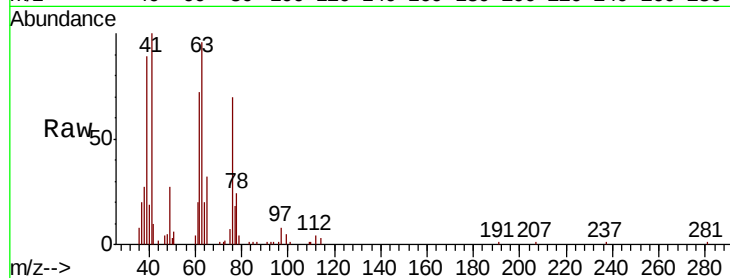
65 32.9 25.2 37.8

Manual Integrations

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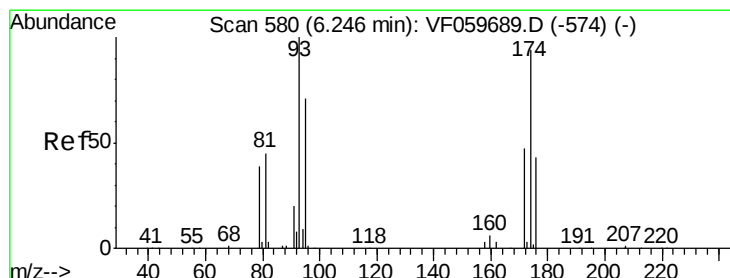
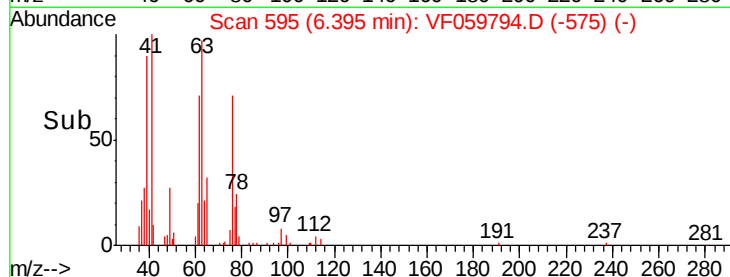
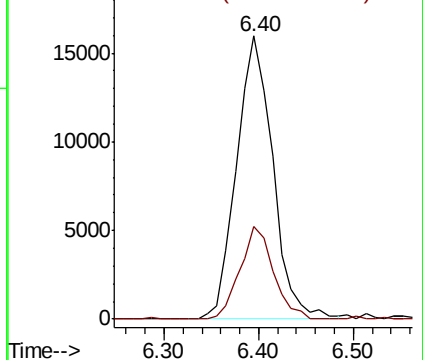
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.69 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

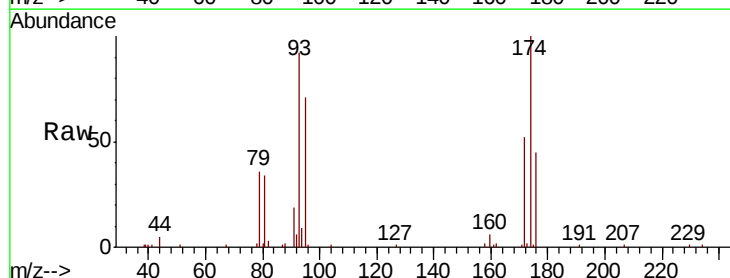
Tgt Ion: 93 Resp: 35471

Ion Ratio Lower Upper

93 100

95 77.9 57.1 85.7

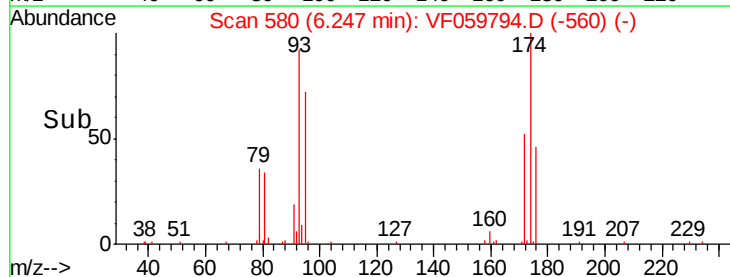
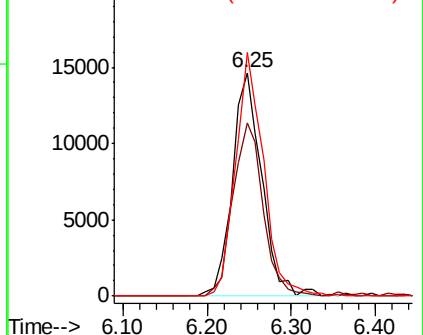
174 110.0 74.8 112.2

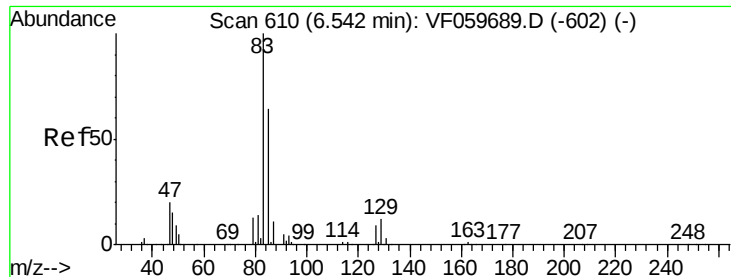


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.74 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

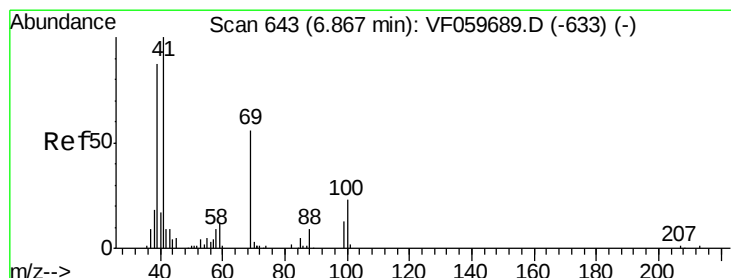
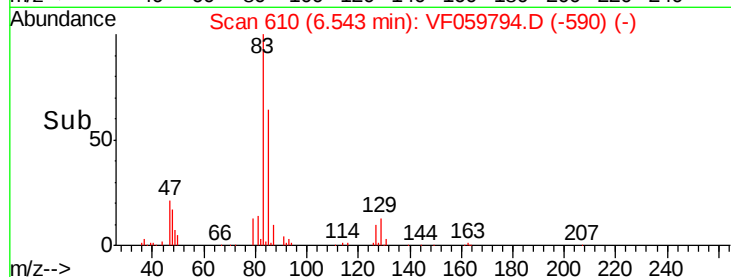
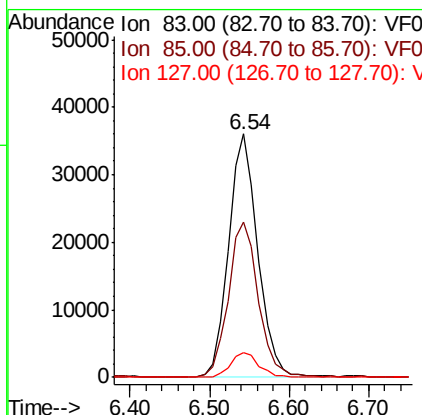
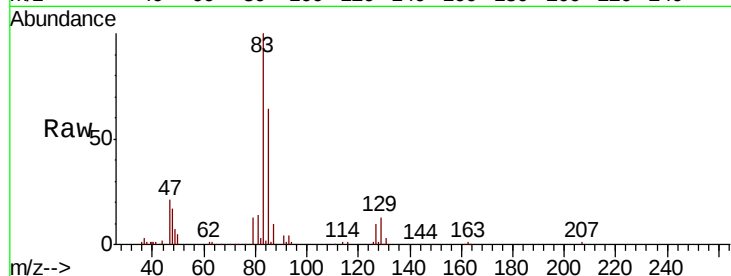
ClientSampleId :

VF0801SBS02

Tot Ion:	83	Resp:	92376
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6
127	10.4	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.37 ug/l

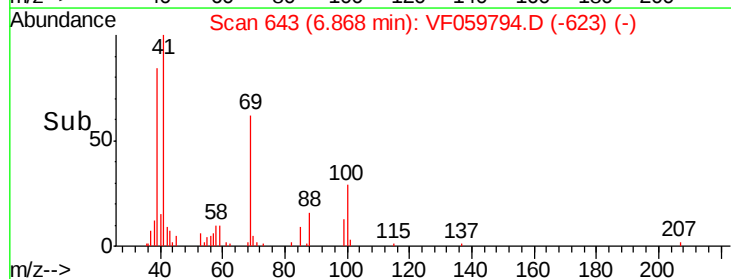
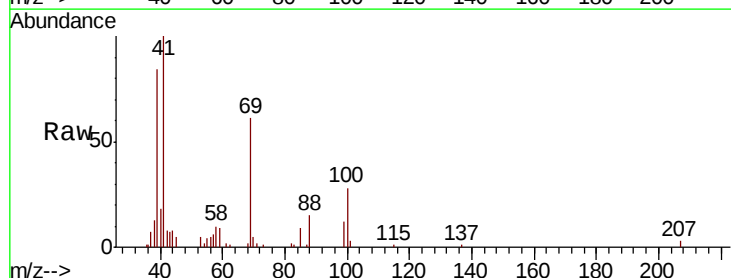
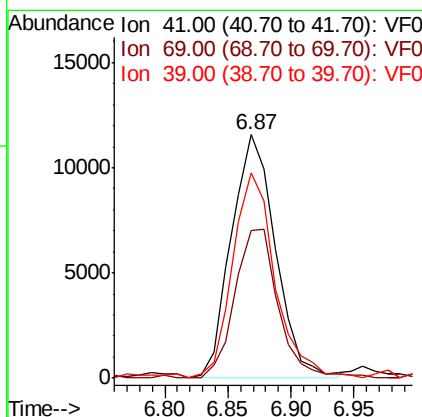
RT: 6.87 min Scan# 643

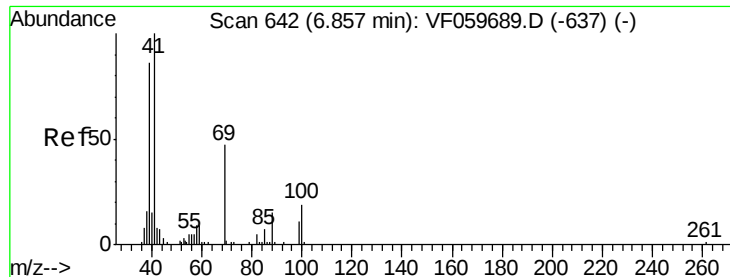
Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion:	41	Resp:	28138
Ion	Ratio	Lower	Upper
41	100		
69	60.8	44.4	66.6
39	84.2	69.4	104.2





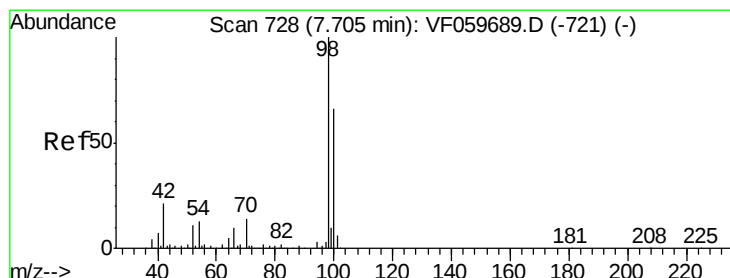
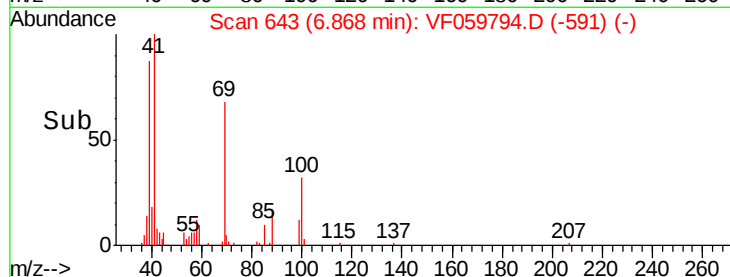
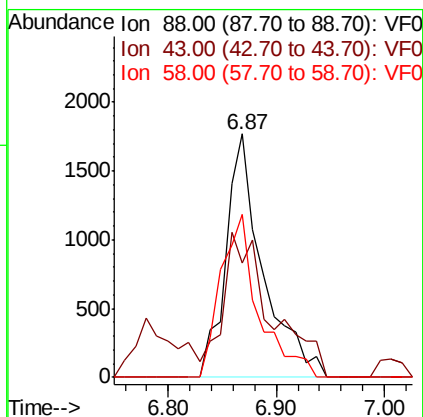
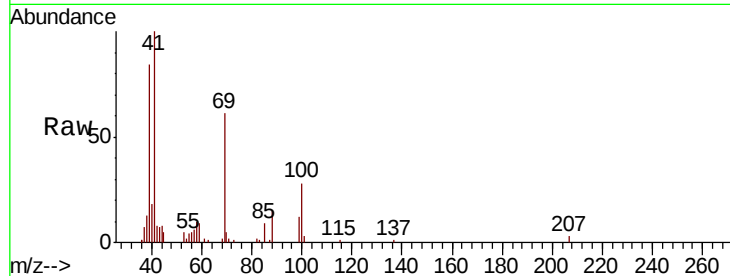
#49
1,4-Dioxane
Concen: 429.85 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.9	45.2	67.8
58	67.2	49.0	73.6

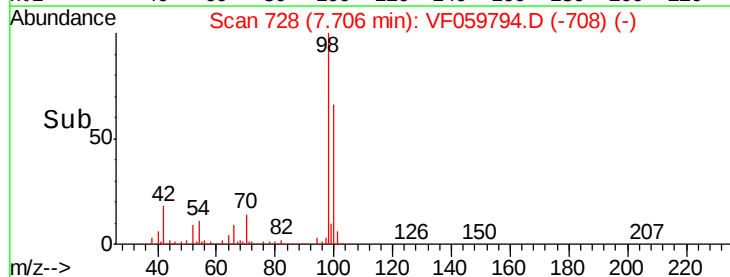
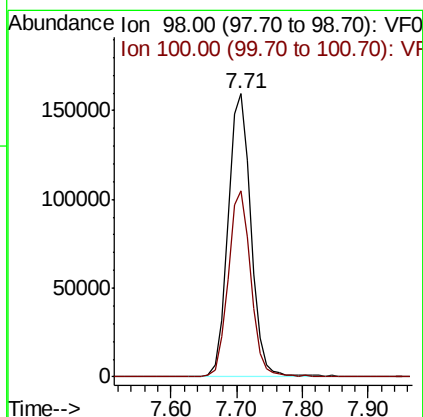
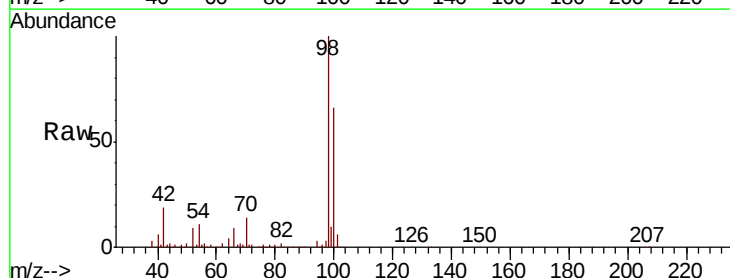
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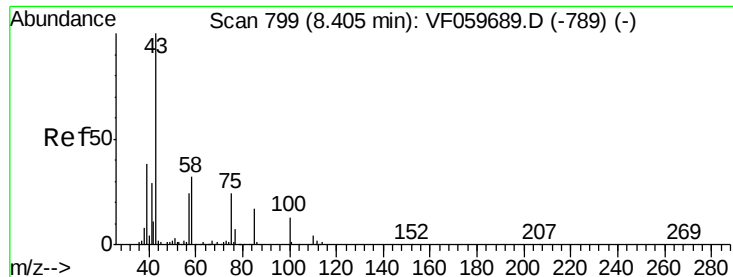
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#50
Toluene-d8
Concen: 49.81 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 105.50 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 43 Resp: 155025

Ion Ratio Lower Upper

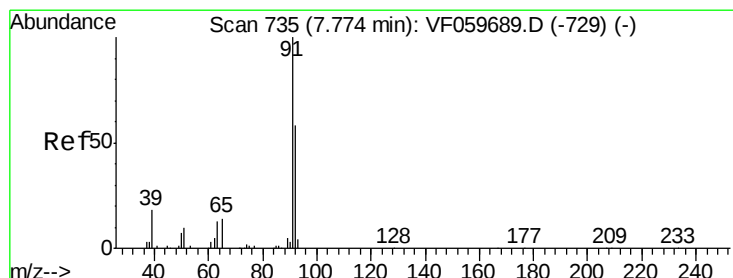
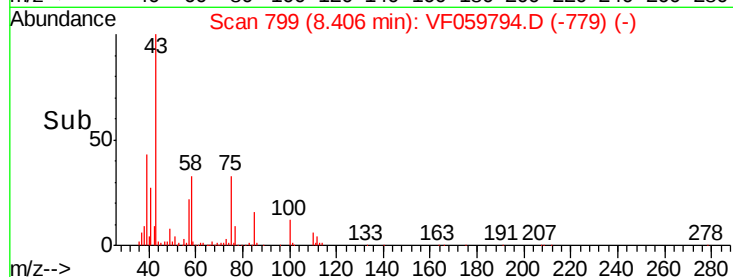
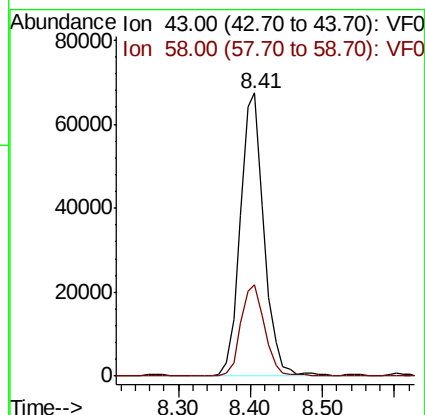
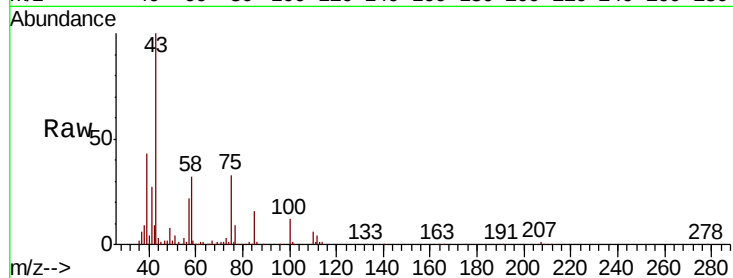
43 100

58 32.5 25.9 38.9

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#52

Toluene

Concen: 24.11 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059794.D

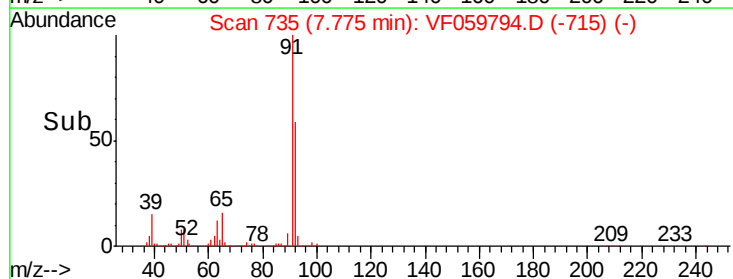
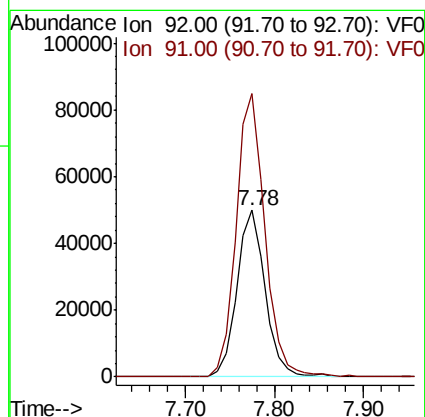
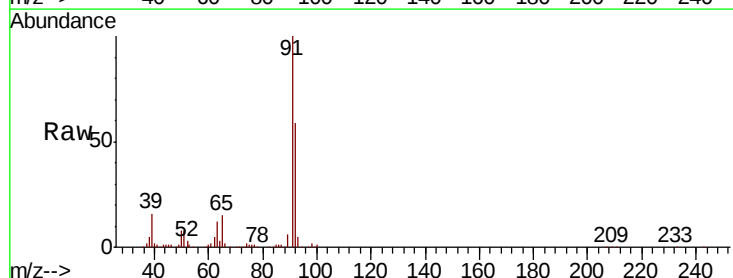
Acq: 2 Aug 2018 11:37

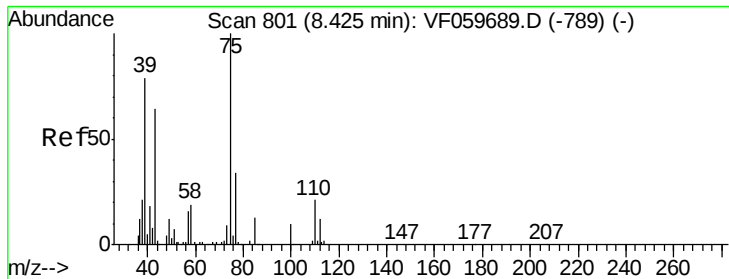
Tgt Ion: 92 Resp: 110642

Ion Ratio Lower Upper

92 100

91 169.7 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 21.50 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 75 Resp: 83102

Ion Ratio Lower Upper

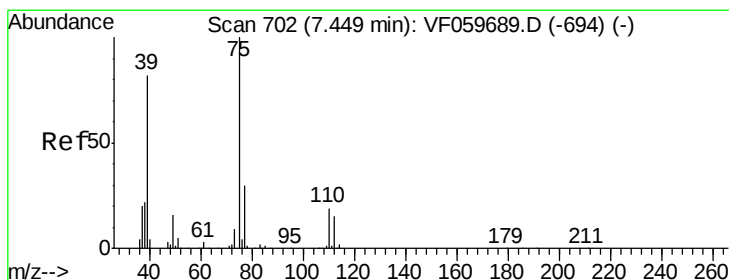
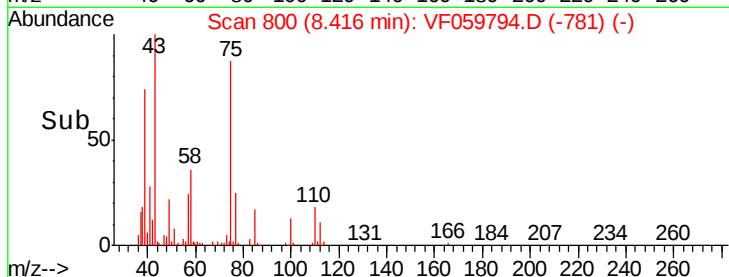
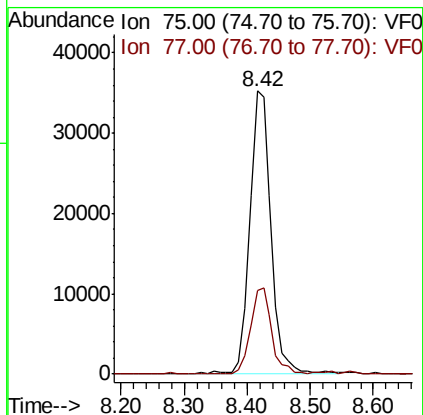
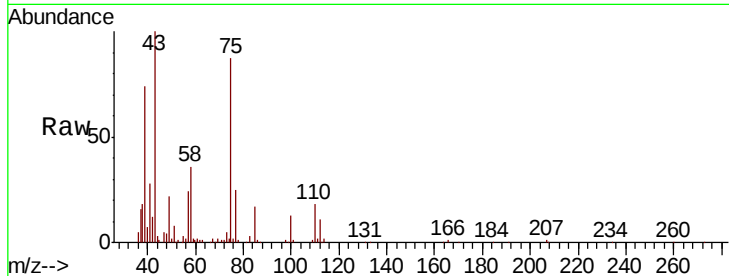
75 100

77 29.4 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 22.74 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

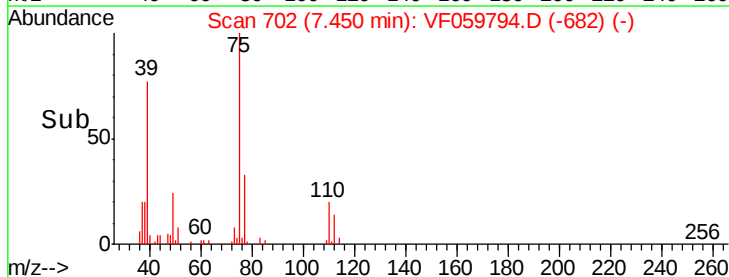
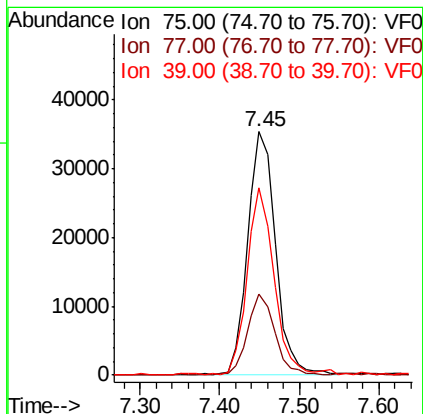
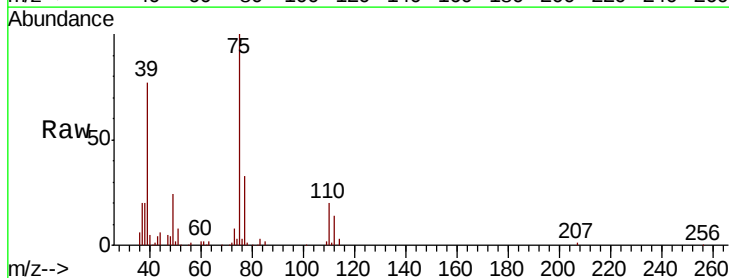
Tgt Ion: 75 Resp: 85142

Ion Ratio Lower Upper

75 100

77 33.4 24.0 36.0

39 77.0 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 20.89 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

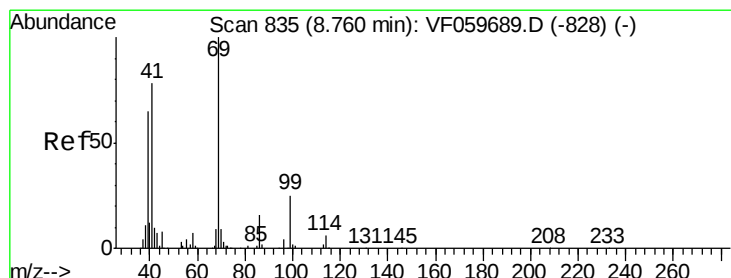
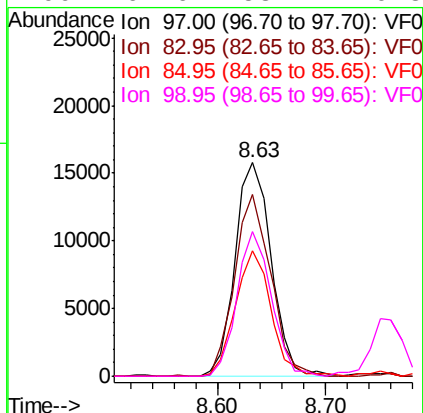
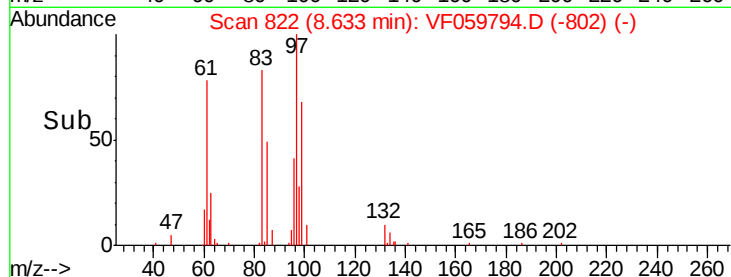
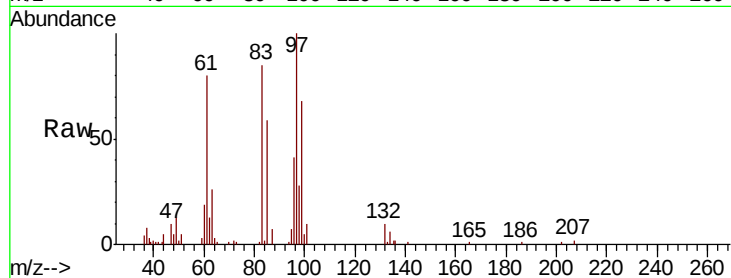
ClientSampleId :

VF0801SBS02

Tot Ion:	97	Resp:	36903
Ion	Ratio	Lower	Upper
97	100		
83	85.4	66.6	100.0
85	58.6	47.4	71.0
99	67.6	53.2	79.8

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#56

Ethyl methacrylate

Concen: 19.88 ug/l

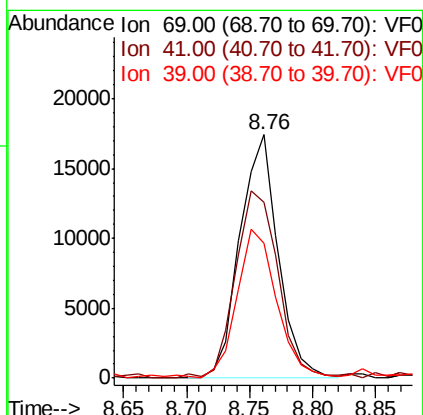
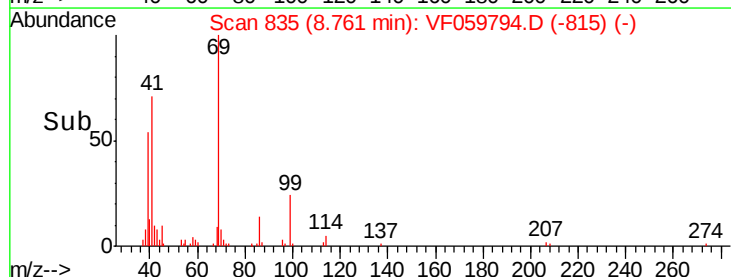
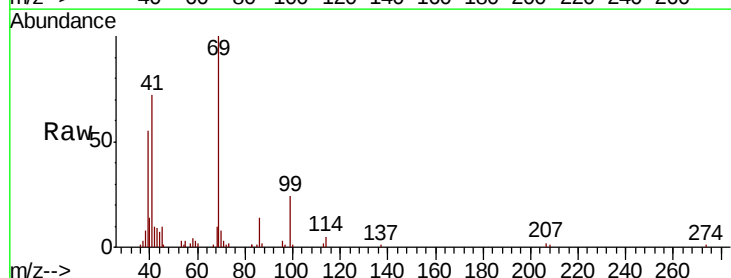
RT: 8.76 min Scan# 835

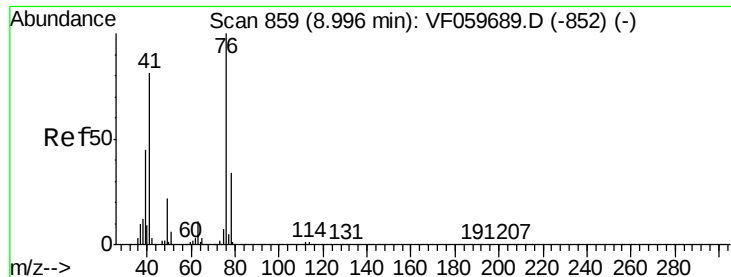
Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion:	69	Resp:	36633
Ion	Ratio	Lower	Upper
69	100		
41	72.2	62.3	93.5
39	55.2	52.4	78.6





#57

1,3-Dichloropropane

Concen: 21.38 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 76 Resp: 64792

Ion Ratio Lower Upper

76 100

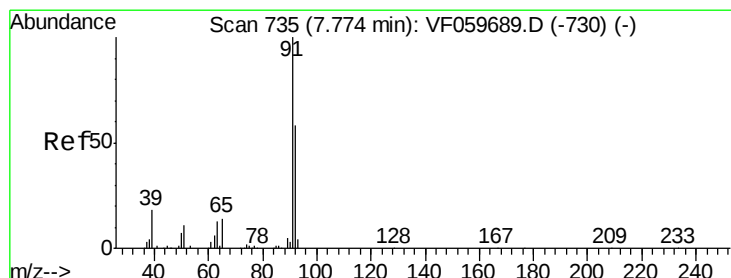
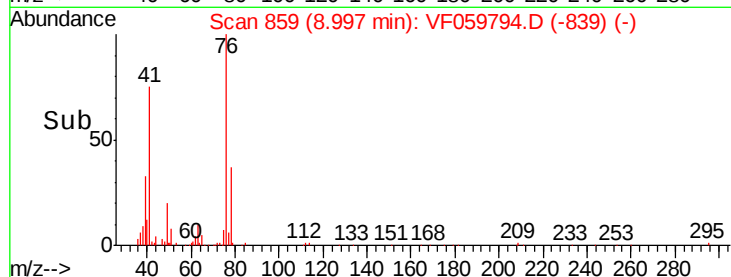
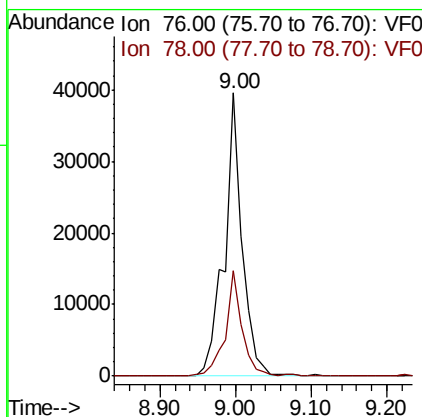
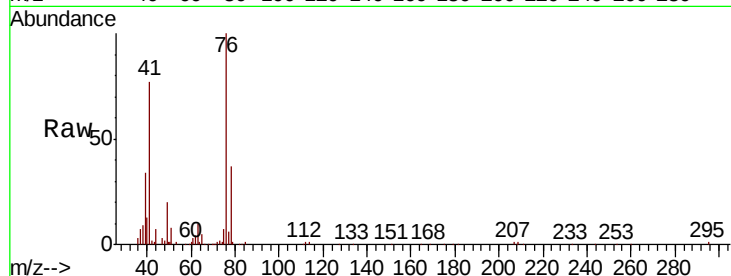
78 37.1 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 108.26 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059794.D

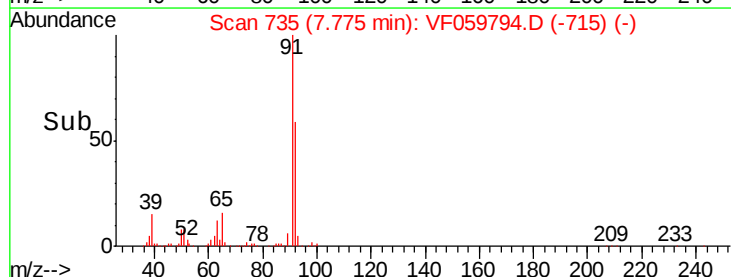
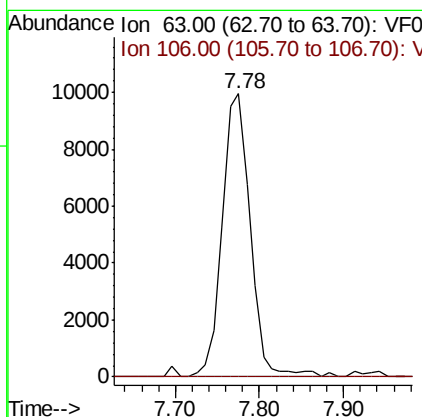
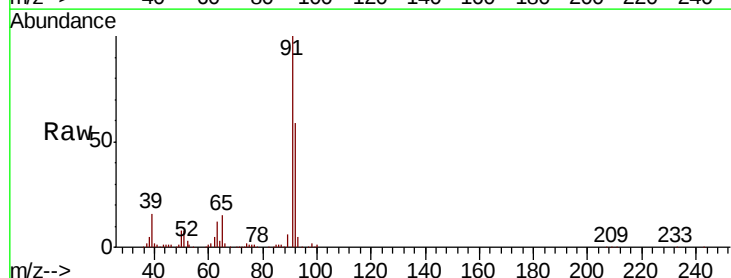
Acq: 2 Aug 2018 11:37

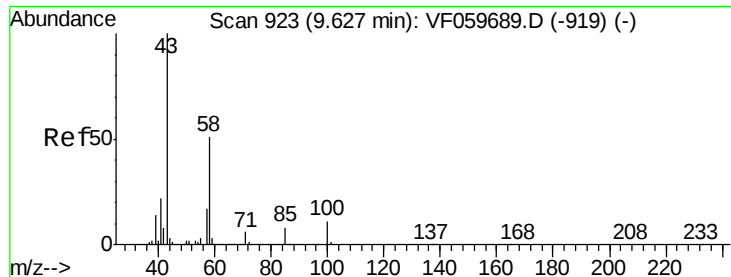
Tgt Ion: 63 Resp: 23032

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





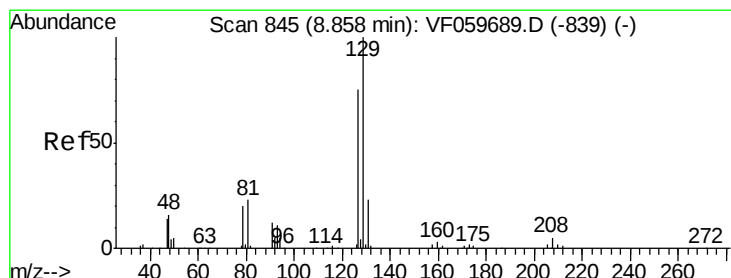
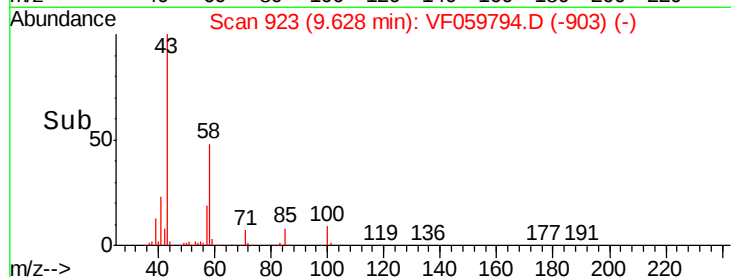
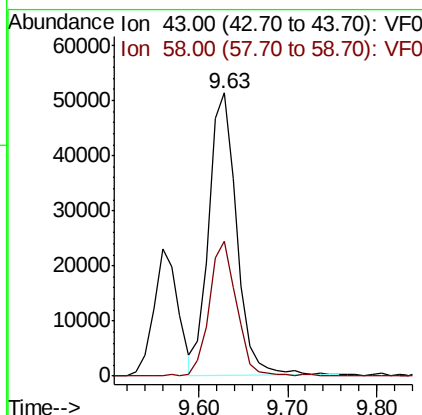
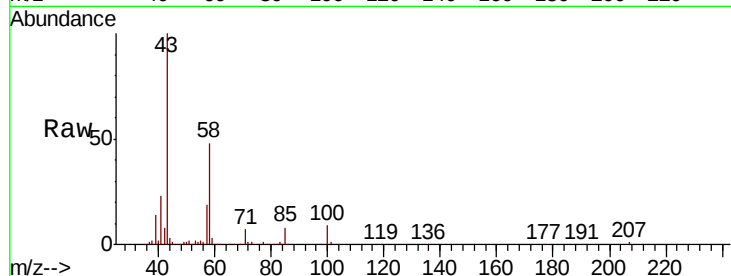
#59
2-Hexanone
Concen: 95.01 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	23.3	69.8

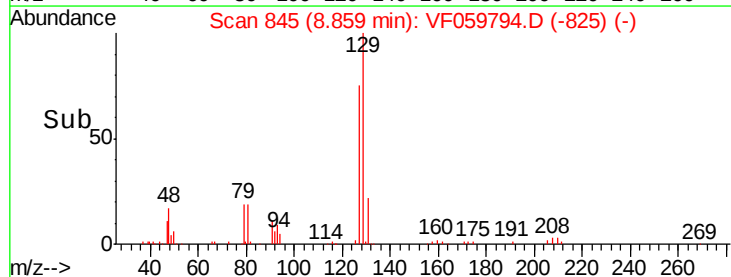
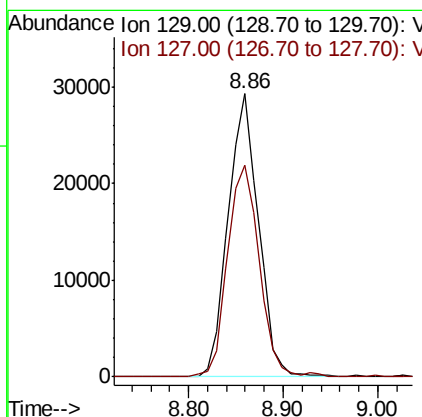
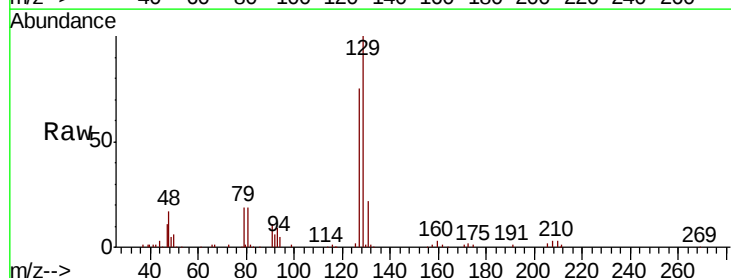
Manual Integrations
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#60
Dibromochloromethane
Concen: 20.82 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.0	37.7	113.1





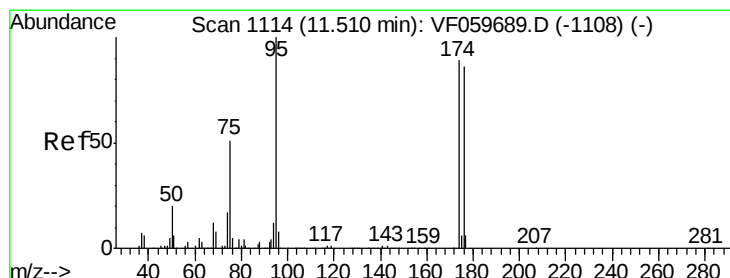
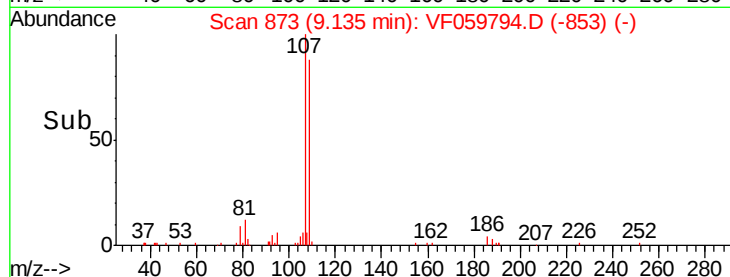
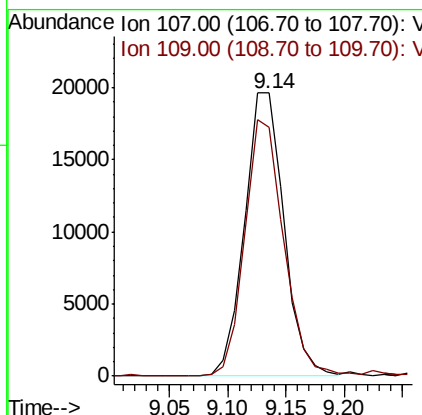
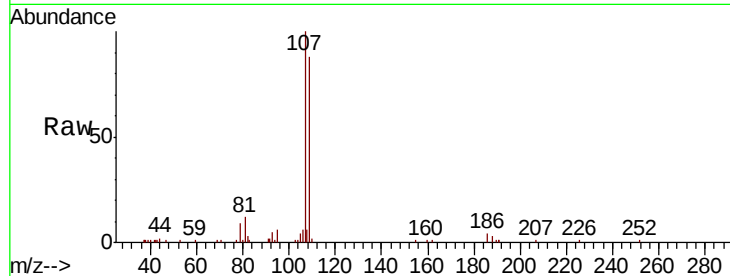
#61
1,2-Dibromoethane
Concen: 22.29 ug/l
RT: 9.14 min Scan# 873
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.8	73.6	110.4

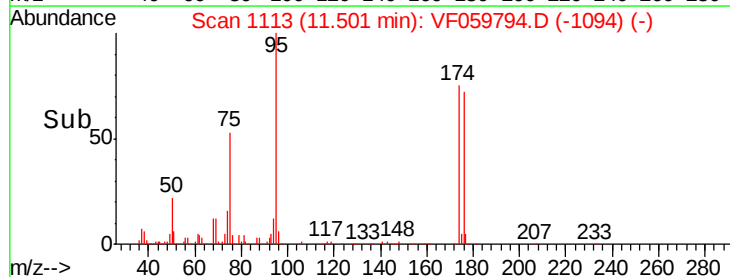
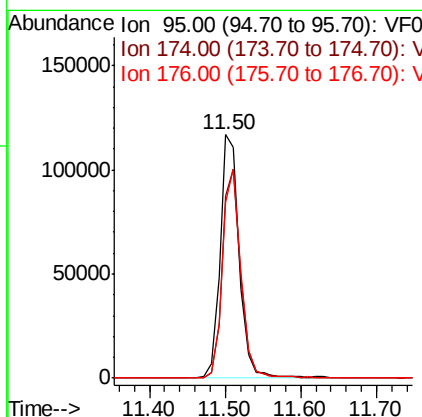
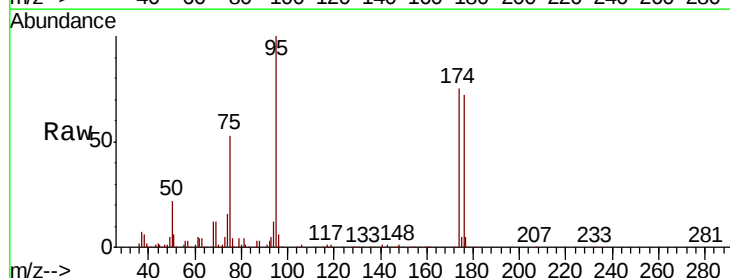
Manual Integrations
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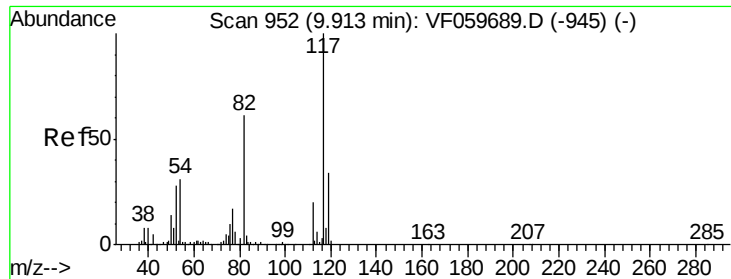
apatel
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#62
4-Bromofluorobenzene
Concen: 47.63 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	178.4
176	72.1	0.0	173.0





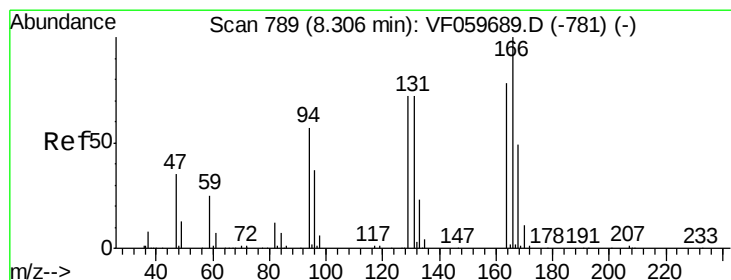
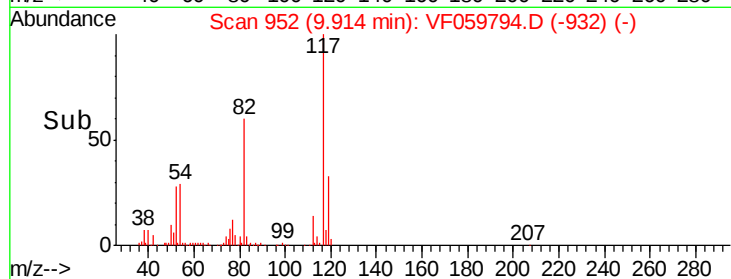
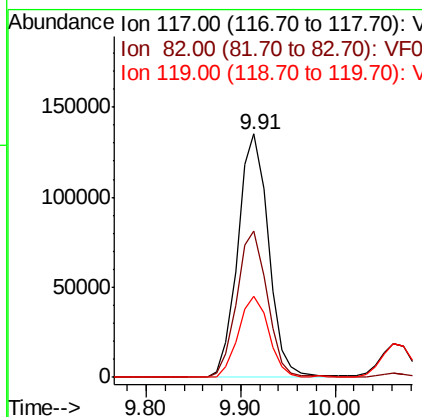
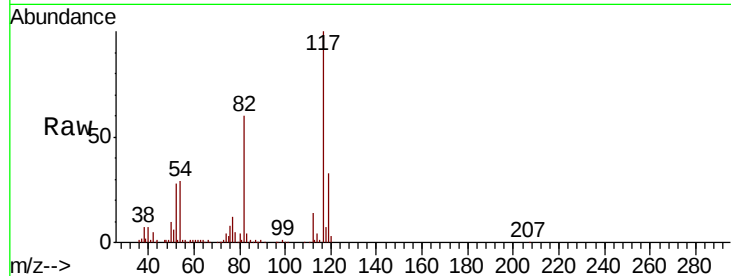
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	304076		
82	60.0	49.0	73.4	
119	33.5	27.3	40.9	

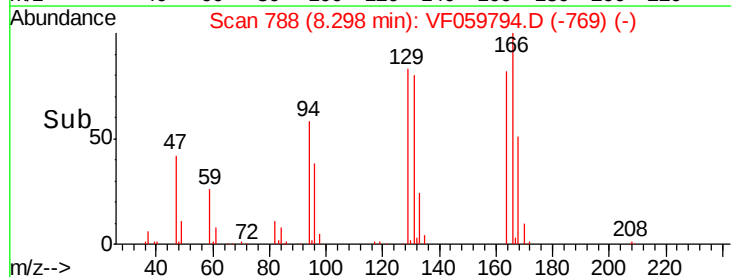
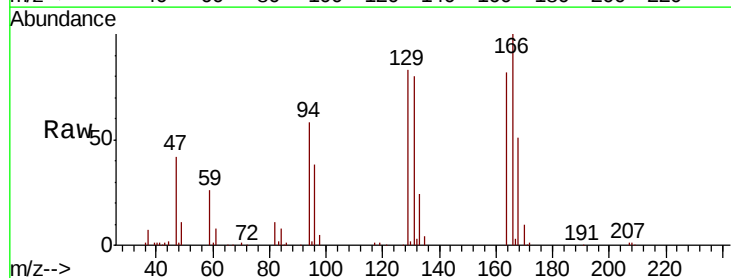
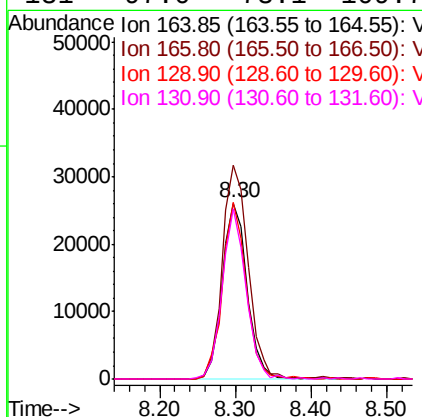
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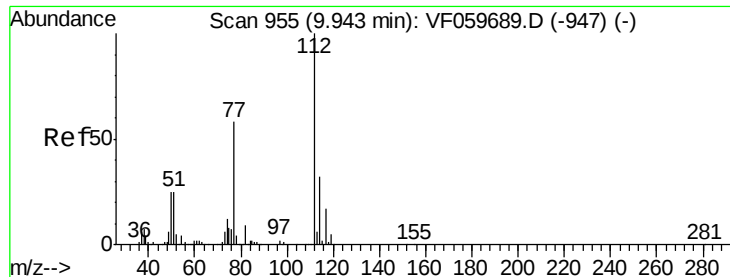
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#64
Tetrachloroethene
Concen: 26.94 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59480		
166	121.8	102.1	153.1	
129	100.5	73.8	110.6	
131	97.0	73.1	109.7	





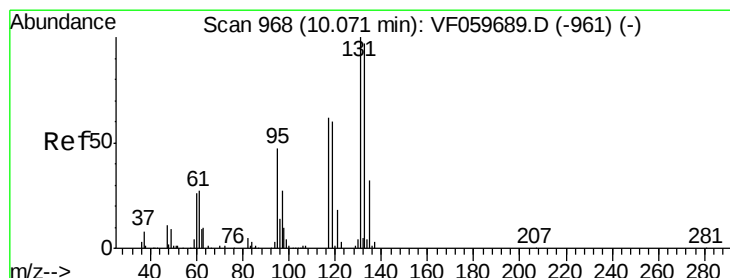
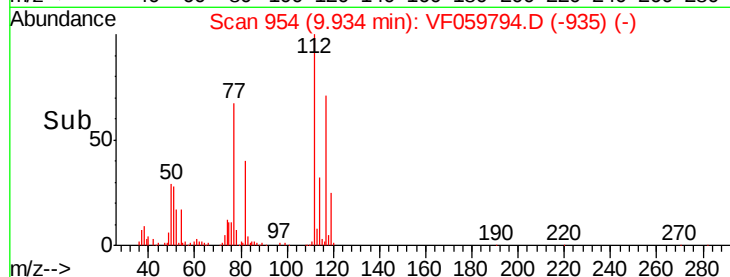
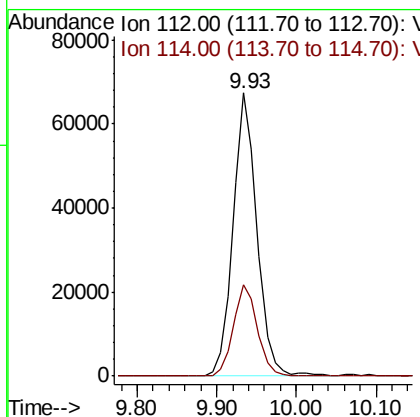
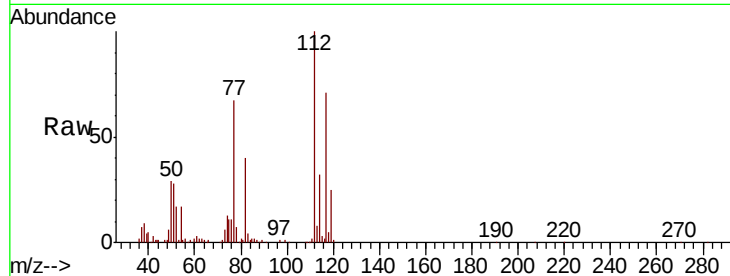
#65
Chlorobenzene
Concen: 23.20 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		141094		
114	32.1	25.6	38.4		

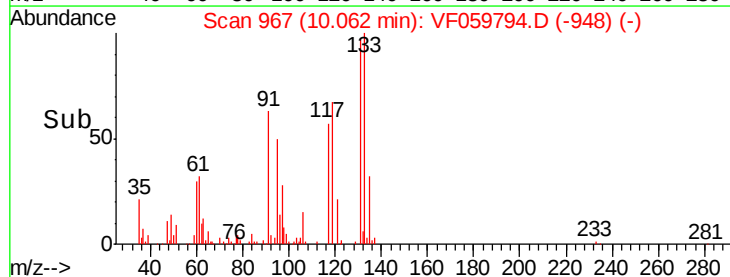
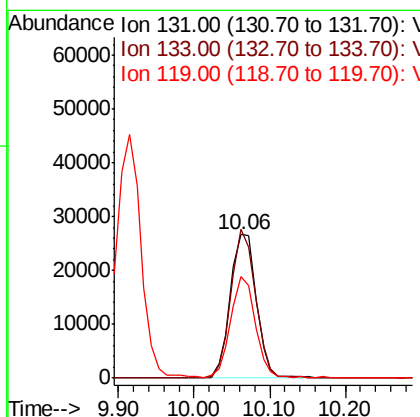
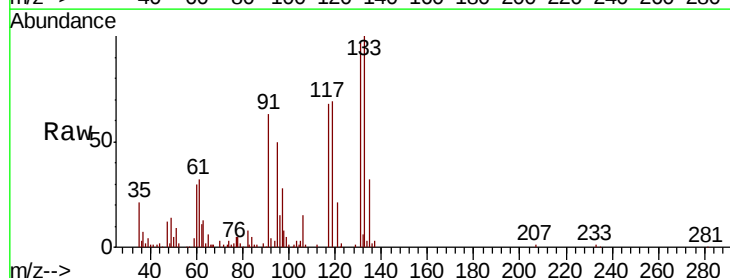
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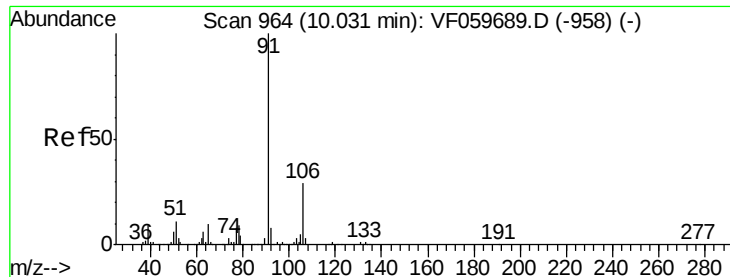
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.38 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
131	100		63568		
133	103.4	48.5	145.5		
119	70.9	30.3	90.8		





#67

Ethyl Benzene

Concen: 24.19 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 91 Resp: 254538

Ion Ratio Lower Upper

91 100

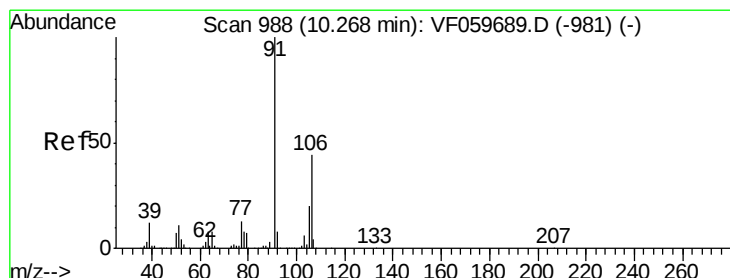
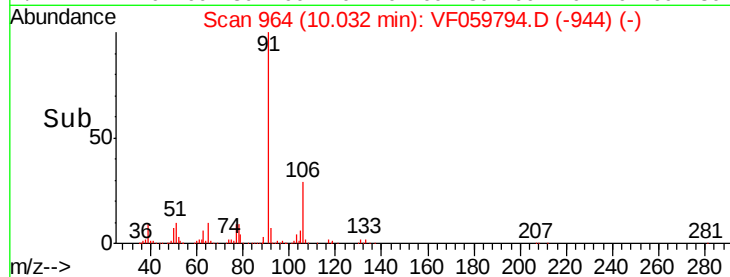
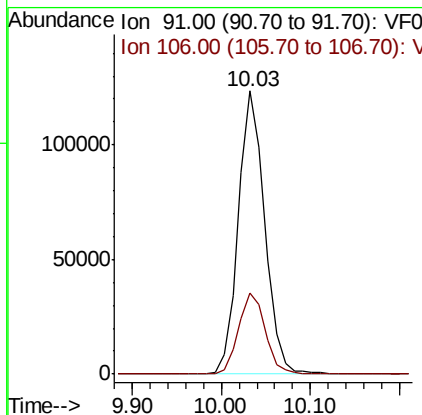
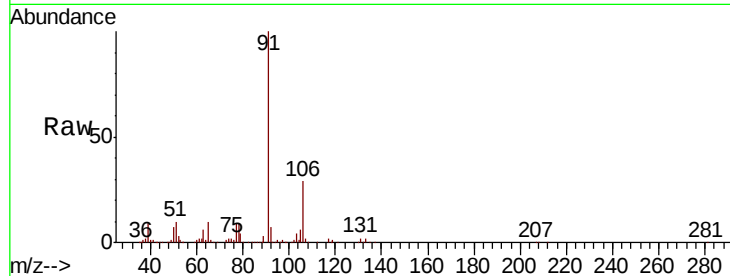
106 28.8 22.9 34.3

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#68

m/p-Xylenes

Concen: 52.45 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059794.D

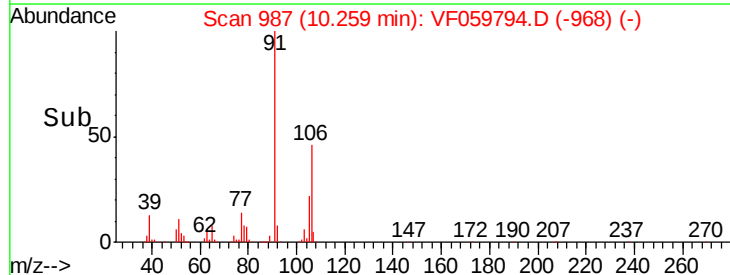
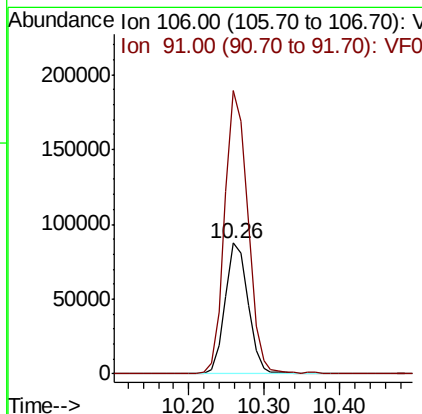
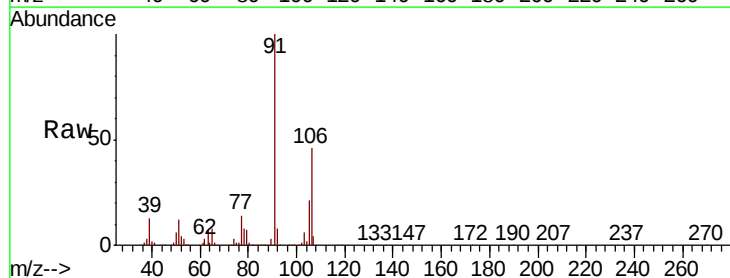
Acq: 2 Aug 2018 11:37

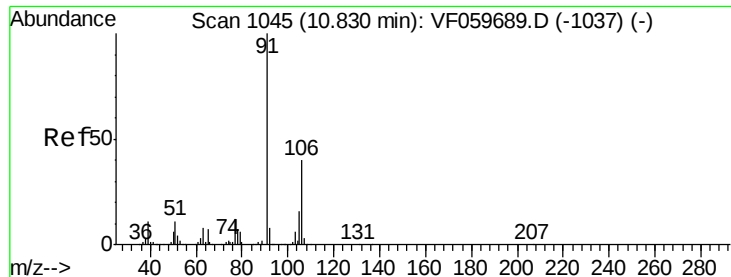
Tgt Ion: 106 Resp: 184778

Ion Ratio Lower Upper

106 100

91 216.4 181.7 272.5





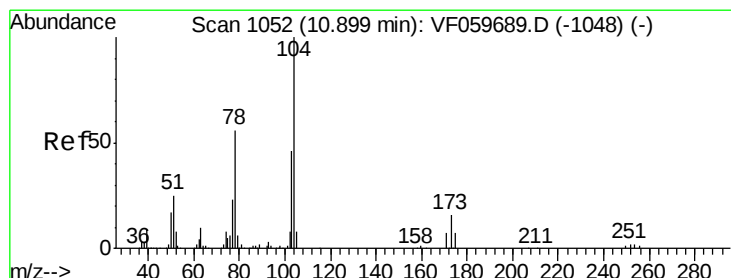
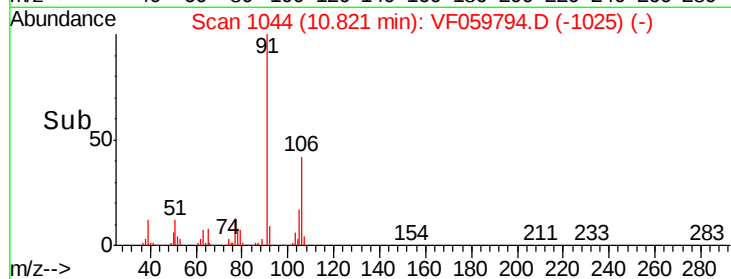
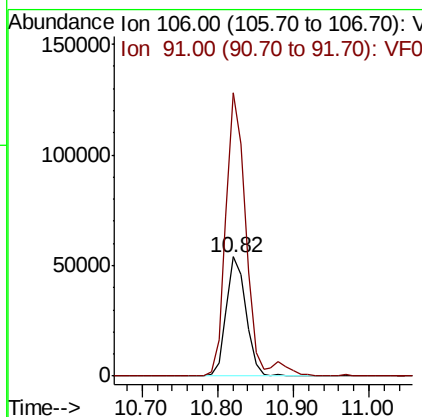
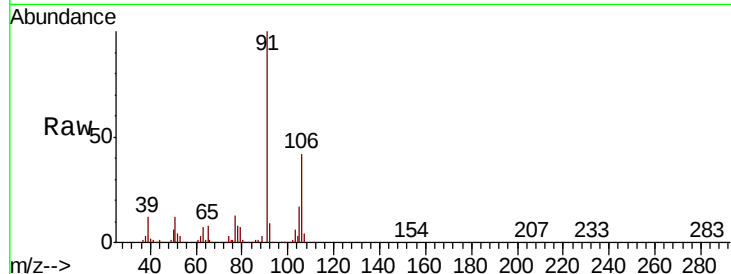
#69
o-Xylene
Concen: 25.23 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	237.8	124.6	373.7	

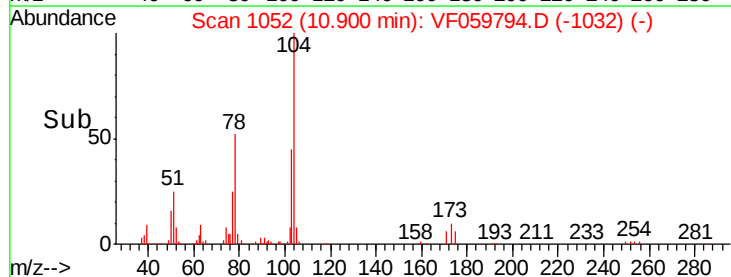
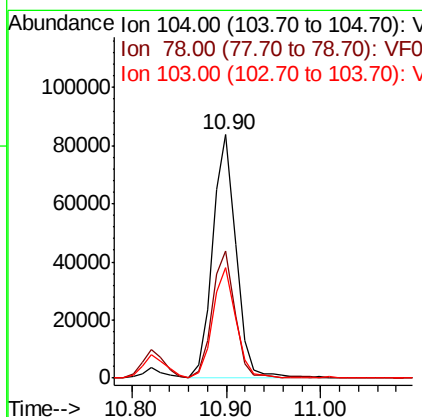
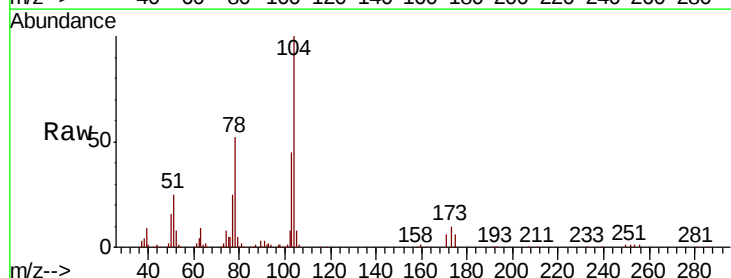
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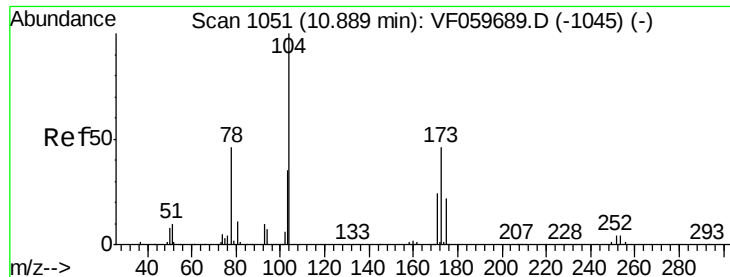
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#70
Styrene
Concen: 24.45 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.5	45.3	67.9	
103	45.4	36.6	54.8	





#71

Bromoform

Concen: 20.18 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion:173 Resp: 37337

Ion Ratio Lower Upper

173 100

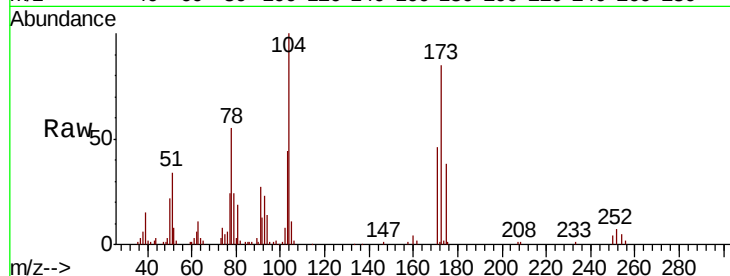
175 46.1 23.4 70.0

254 6.2 0.0 0.0#

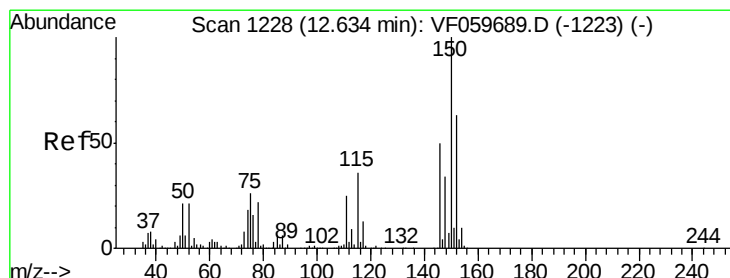
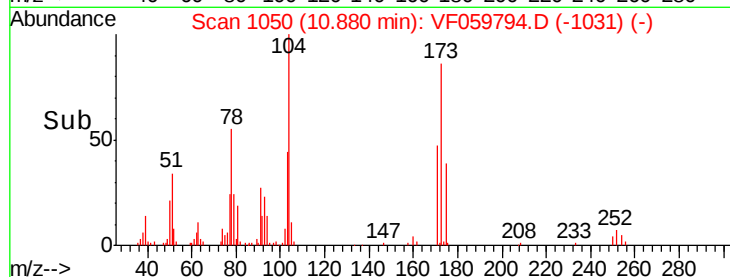
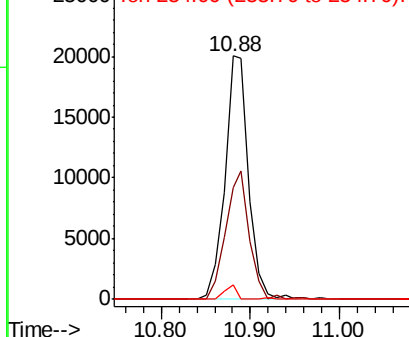
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

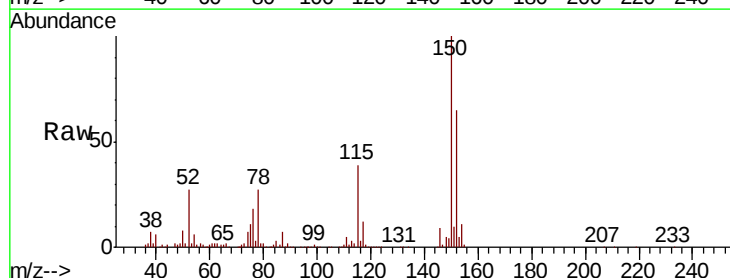
Tgt Ion:152 Resp: 194834

Ion Ratio Lower Upper

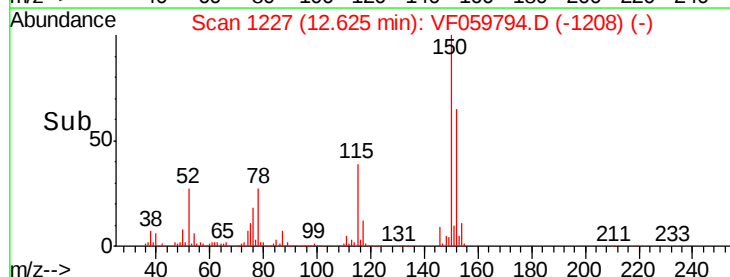
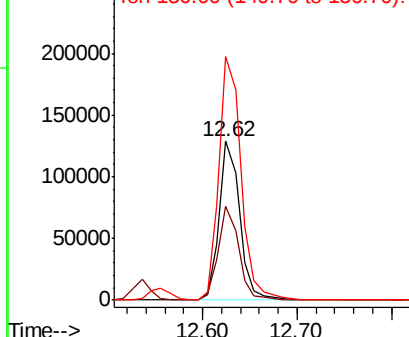
152 100

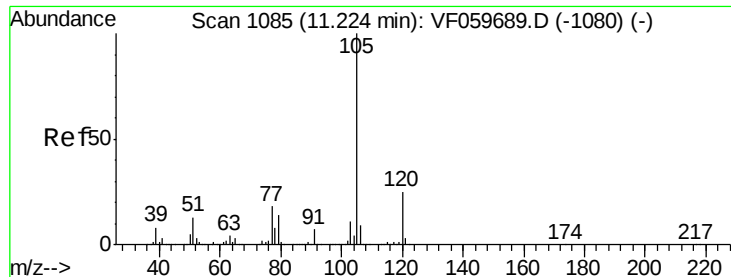
115 59.1 28.2 84.6

150 153.4 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.88 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion:105 Resp: 305224

Ion Ratio Lower Upper

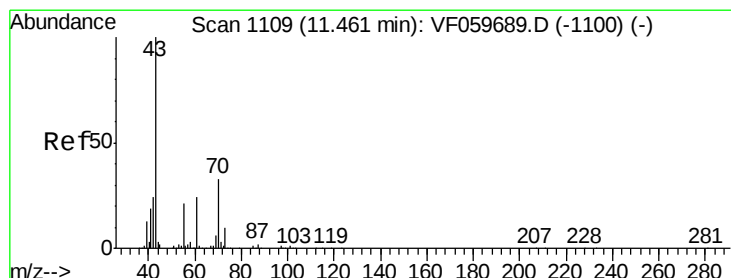
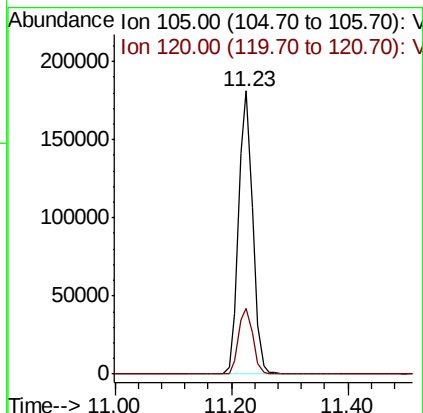
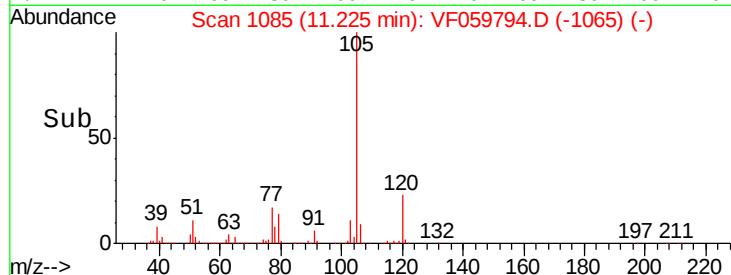
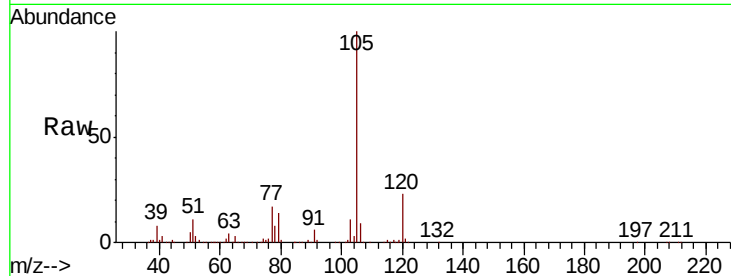
105 100

120 23.2 12.4 37.4

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#74

N-ethyl acetate

Concen: 20.56 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion: 43 Resp: 66323

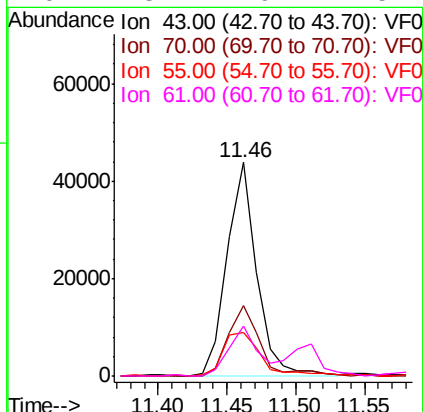
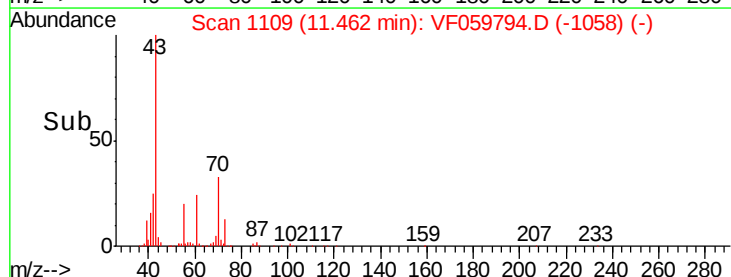
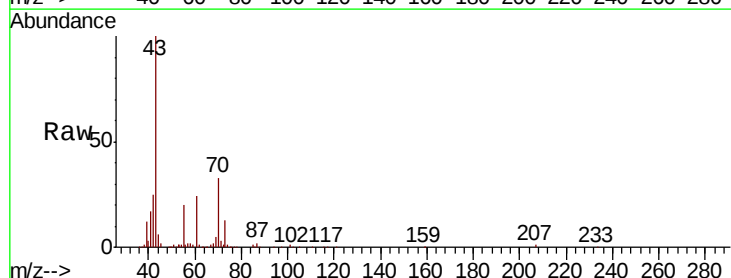
Ion Ratio Lower Upper

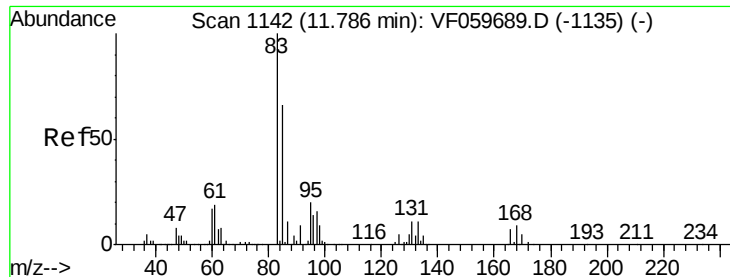
43 100

70 32.7 26.3 39.5

55 20.3 16.6 25.0

61 23.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.07 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

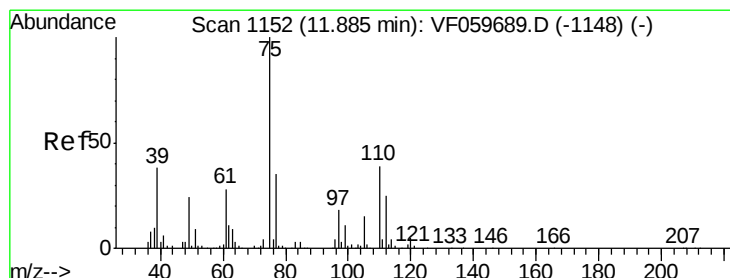
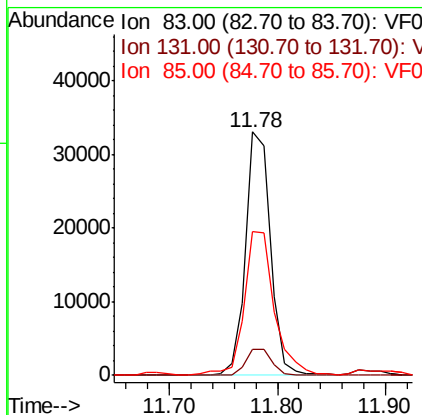
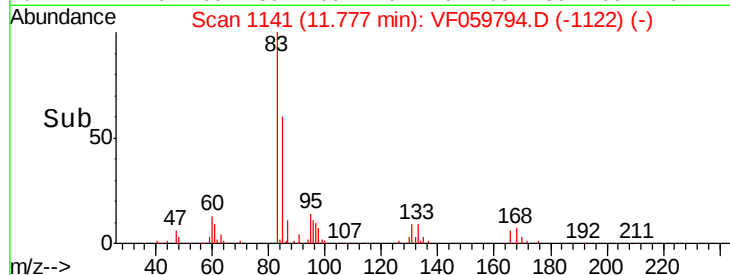
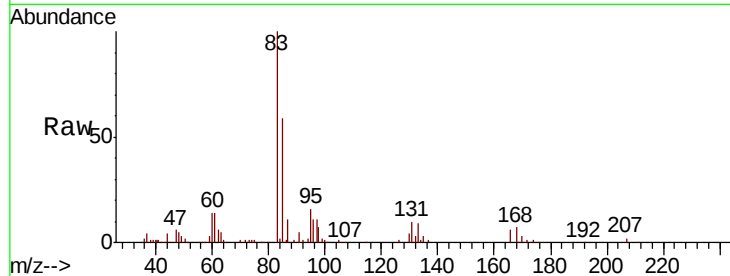
ClientSampleId :

VF0801SBSD02

Tot Ion:	83	Resp:	53103
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.8	17.3
85	58.9	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 20.32 ug/l

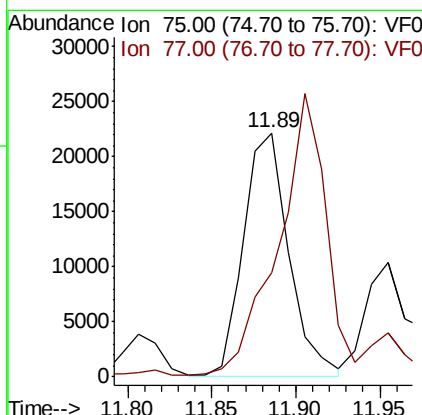
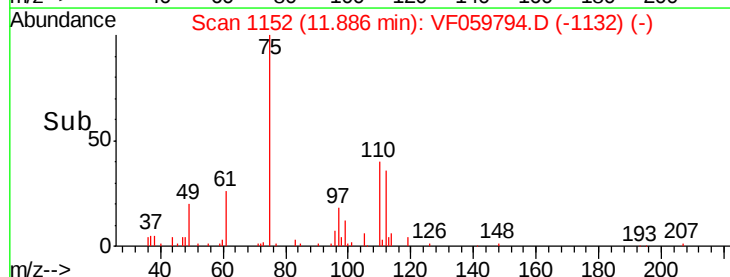
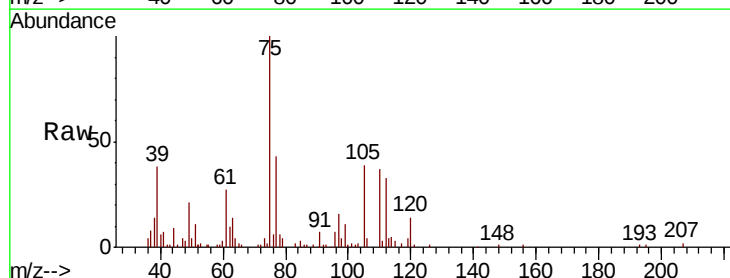
RT: 11.89 min Scan# 1152

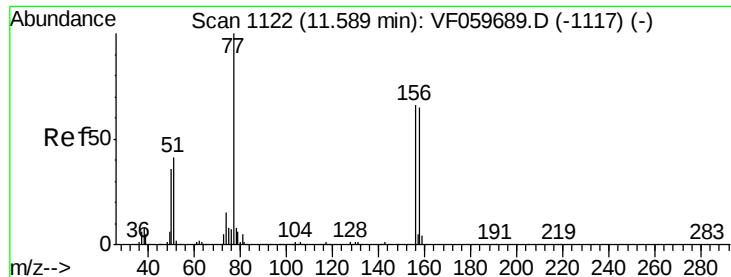
Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion:	75	Resp:	41574
Ion Ratio	Lower	Upper	
75	100		
77	42.7	18.0	54.0





#77

Bromobenzene

Concen: 22.67 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

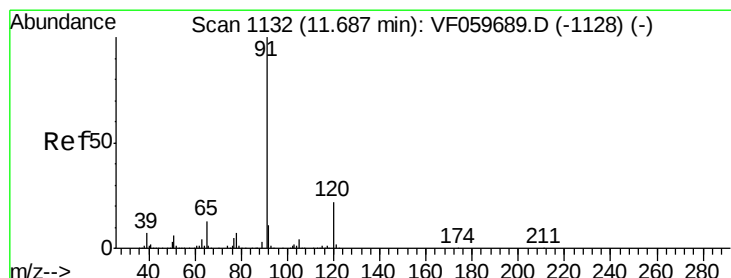
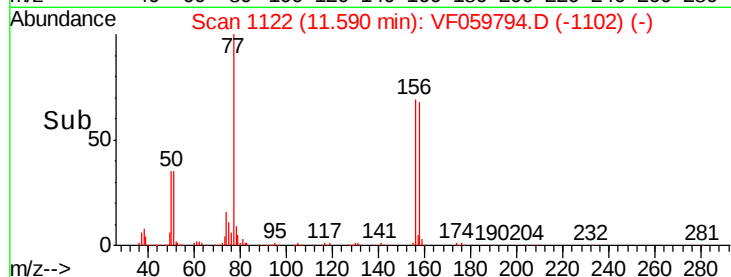
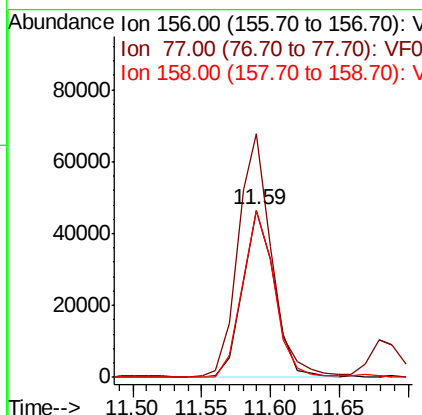
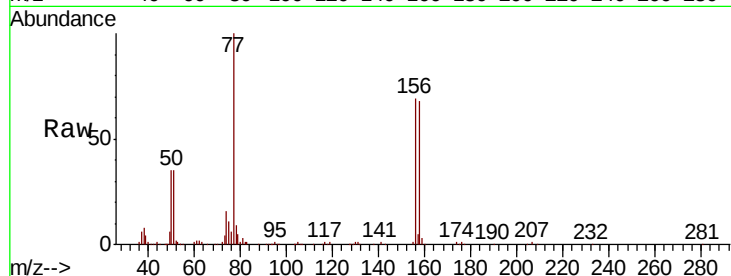
ClientSampleId :

VF0801SBS02

Tot Ion:	156	Resp:	75681
Ion Ratio	Lower	Upper	
156	100		
77	146.0	75.2	225.6
158	99.7	49.1	147.3

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#78

n-propylbenzene

Concen: 24.25 ug/l

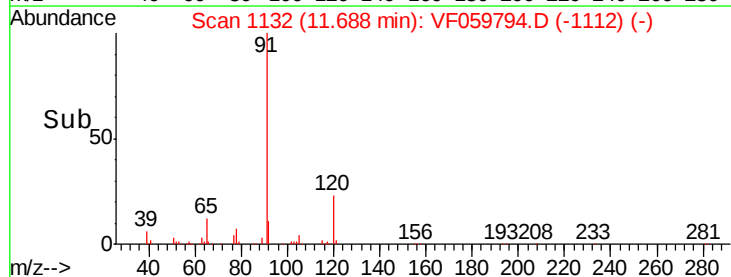
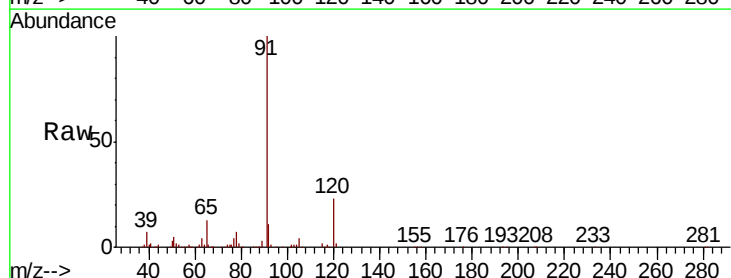
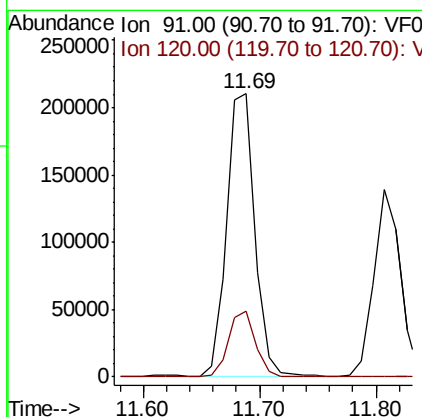
RT: 11.69 min Scan# 1132

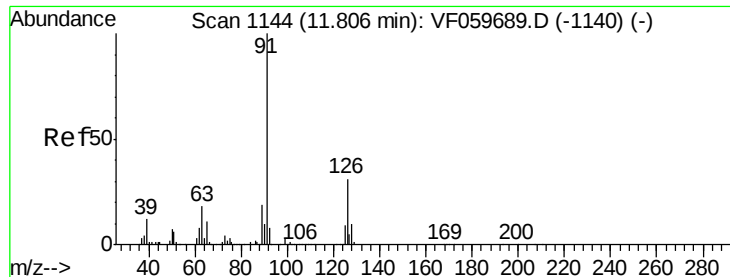
Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Tgt Ion:	91	Resp:	351628
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 24.33 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059794.D

Acq: 2 Aug 2018 11:37

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBSD02

Tot Ion: 91 Resp: 219228

Ion Ratio Lower Upper

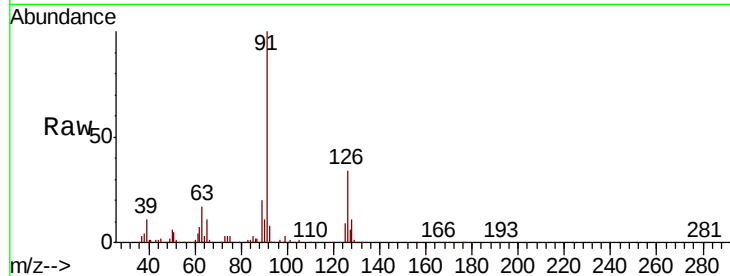
91 100

126 34.4 15.4 46.2

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

150000

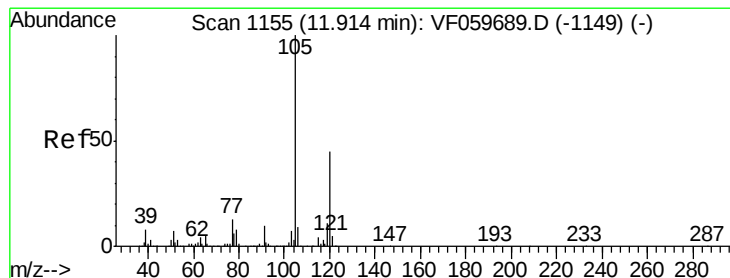
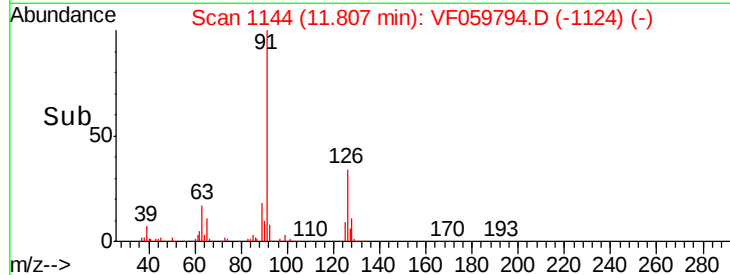
110000

50000

0

11.75 11.80 11.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.07 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059794.D

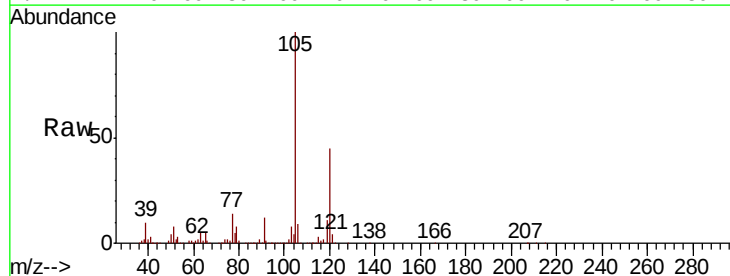
Acq: 2 Aug 2018 11:37

Tgt Ion:105 Resp: 269675

Ion Ratio Lower Upper

105 100

120 45.0 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

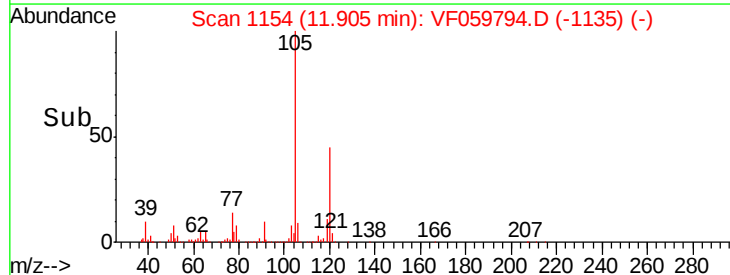
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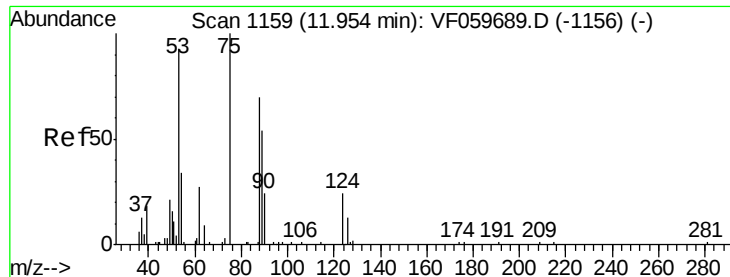
50000

0

11.80 11.90 12.00

Time-->





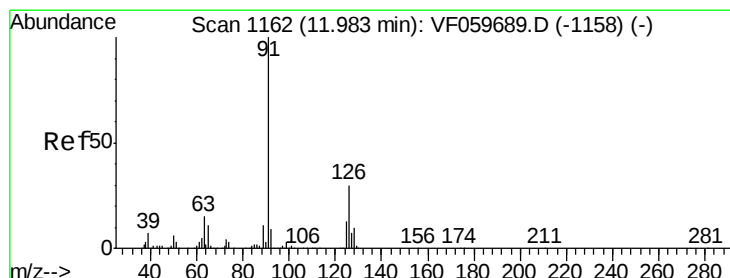
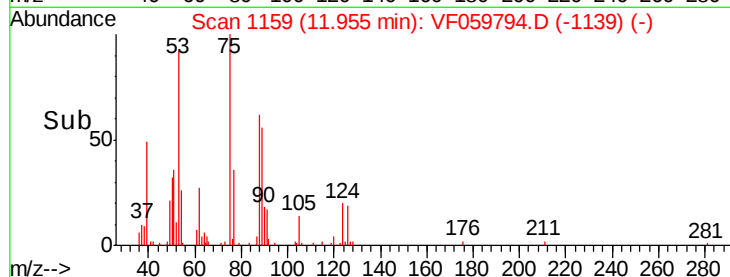
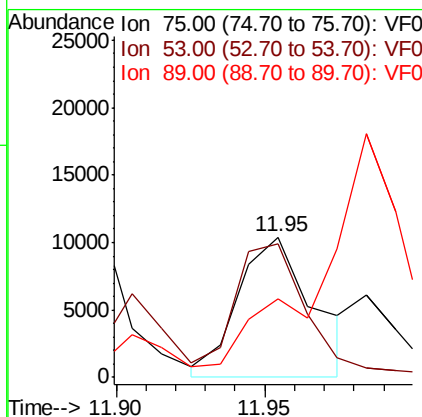
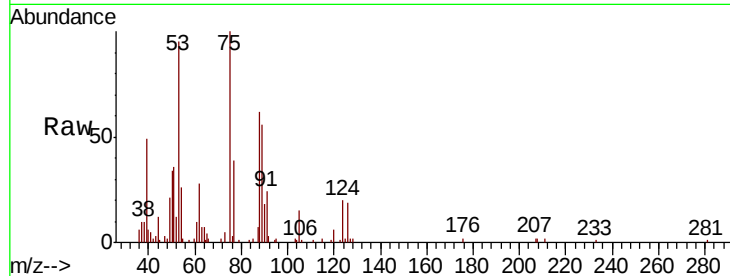
#81
trans-1,4-Dichloro-2-butene
Concen: 21.70 ug/l m
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	78.3	117.5
89	56.4	45.4	68.2

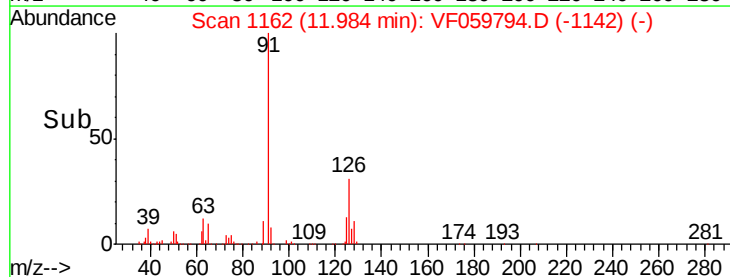
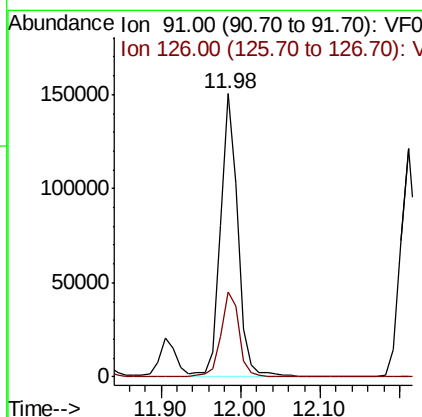
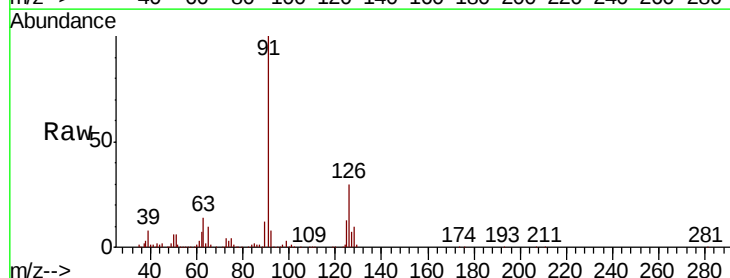
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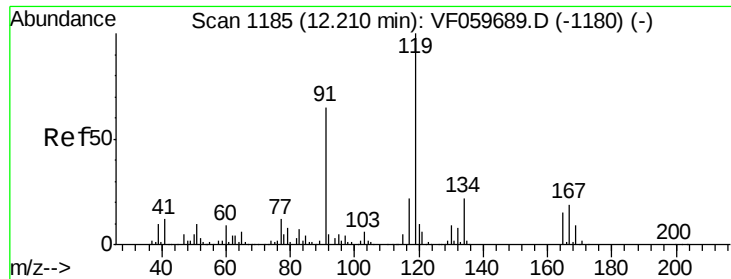
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#82
4-Chlorotoluene
Concen: 24.26 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.2	45.6





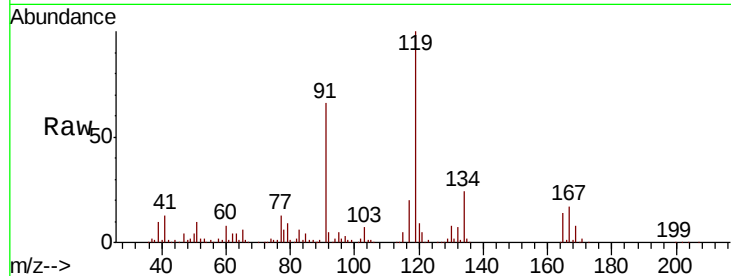
#83
 tert-Butylbenzene
 Concen: 23.50 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

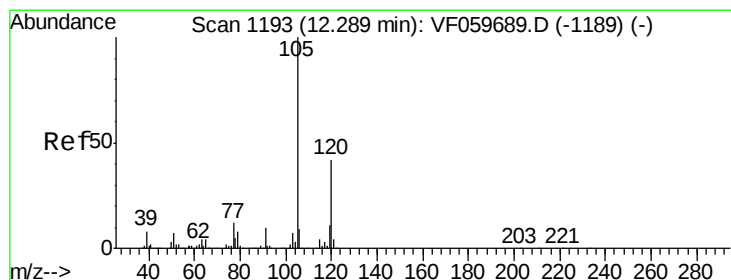
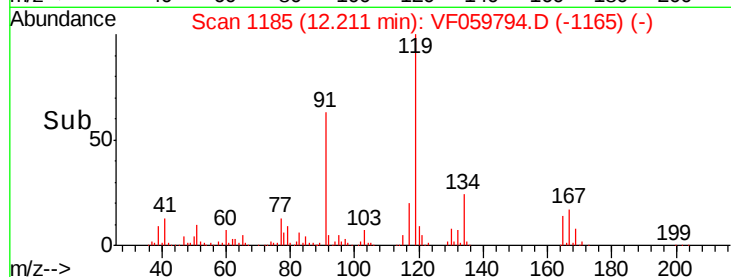
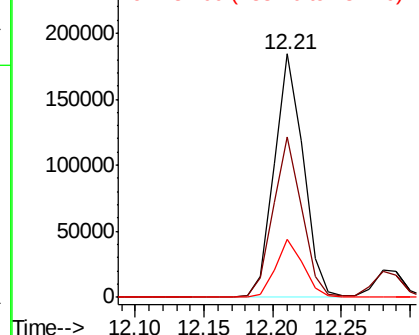
Tot Ion	Ratio	Resp	Lower	Upper
119	100	269643		
91	66.0		32.8	98.4
134	23.7		10.9	32.7

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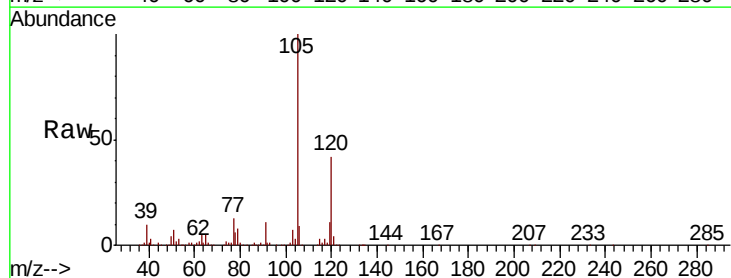


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

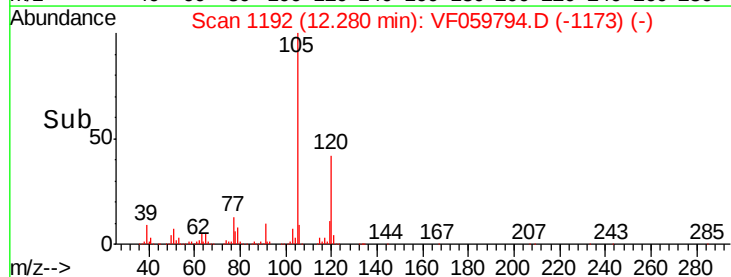
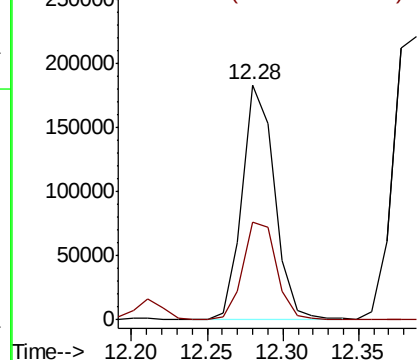


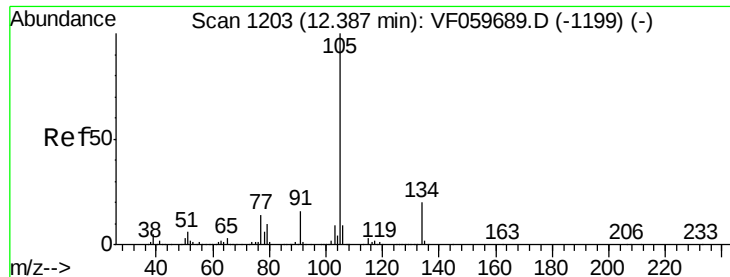
#84
 1,2,4-Trimethylbenzene
 Concen: 24.34 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	274352		
120	41.7		21.1	63.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





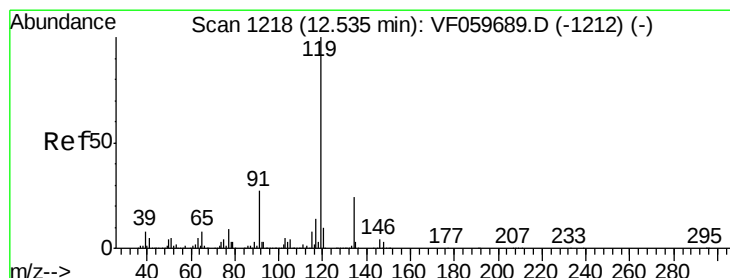
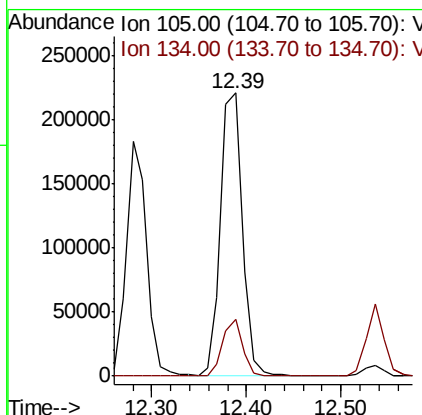
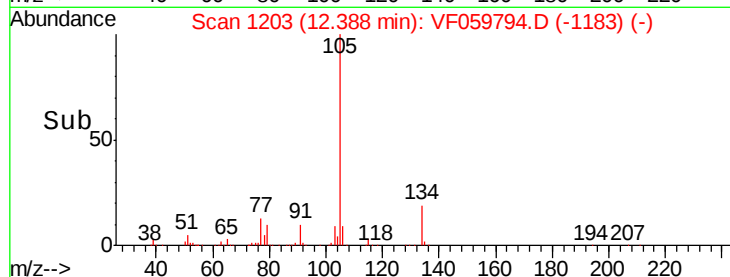
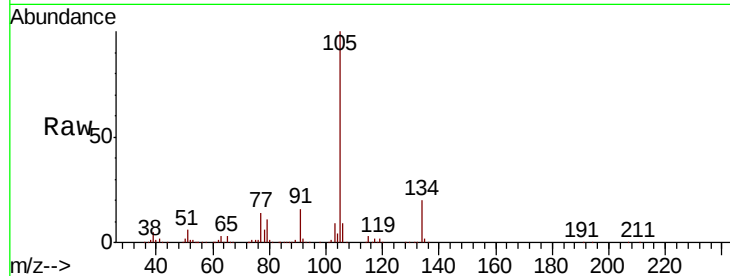
#85
 sec-Butylbenzene
 Concen: 24.51 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3

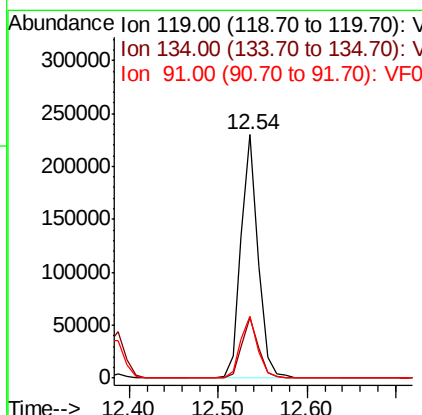
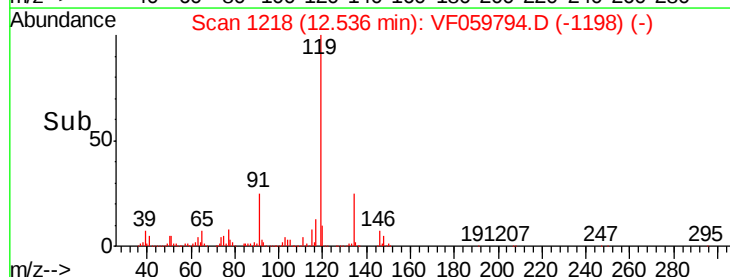
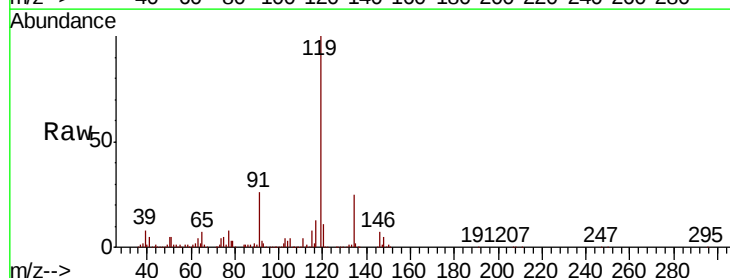
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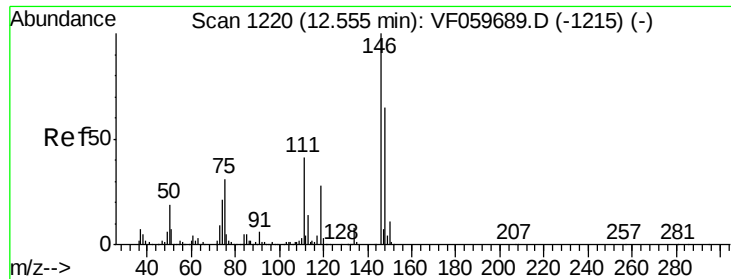
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#86
 p-Isopropyltoluene
 Concen: 24.15 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.2	36.6
91	25.7	13.4	40.2





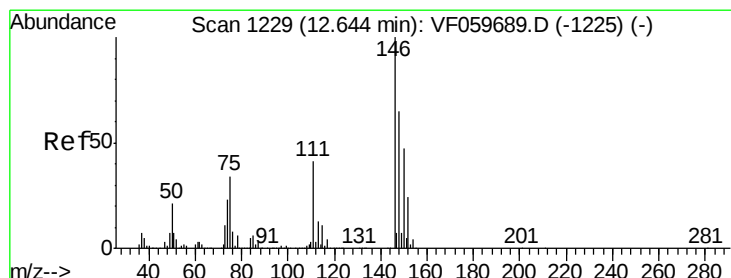
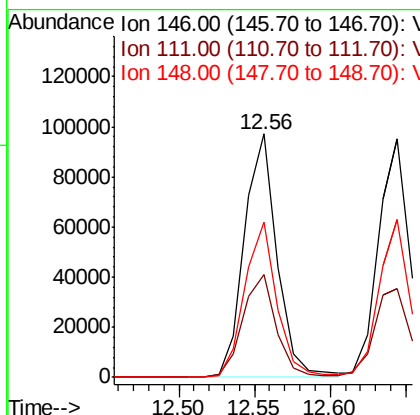
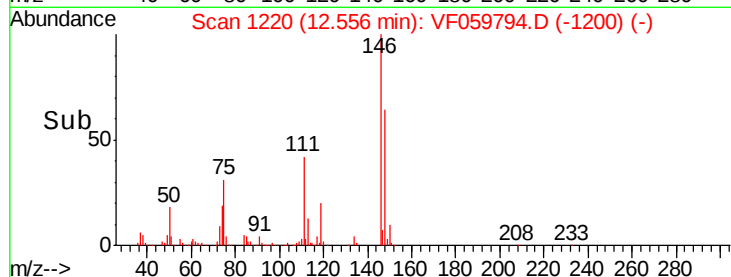
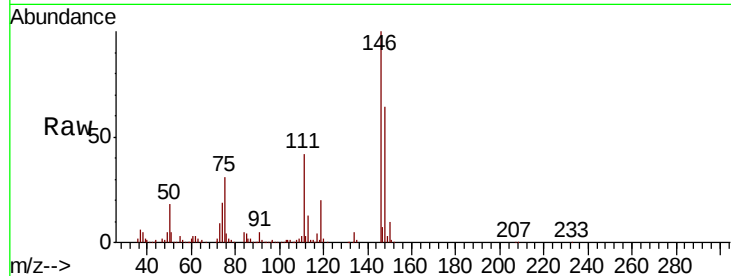
#87
 1,3-Dichlorobenzene
 Concen: 23.72 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.0	32.3	96.8

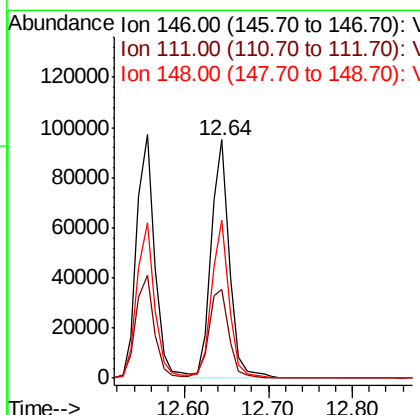
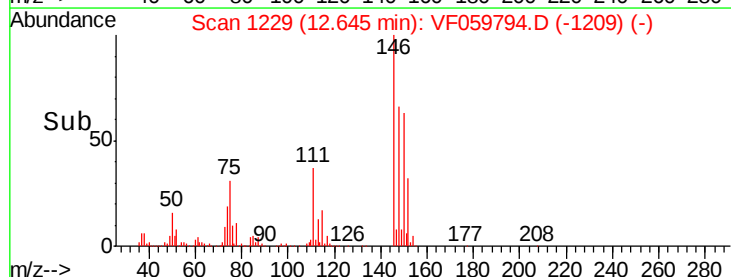
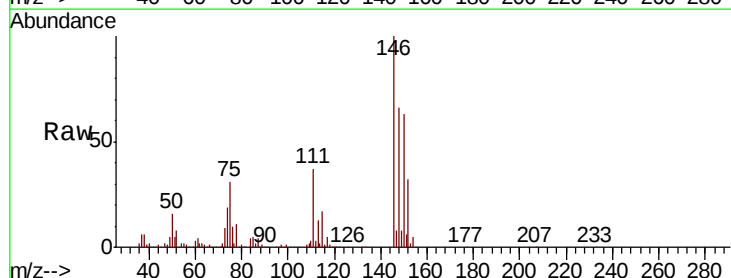
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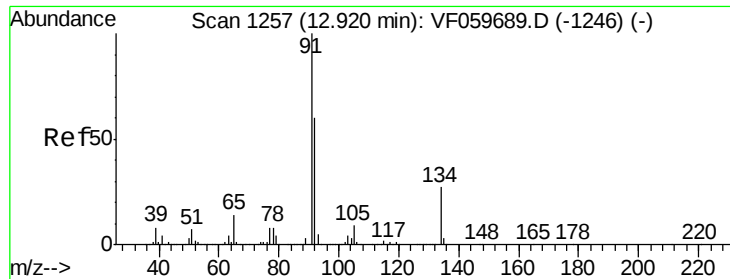
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#88
 1,4-Dichlorobenzene
 Concen: 23.73 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.8	62.2
148	66.3	32.3	96.9





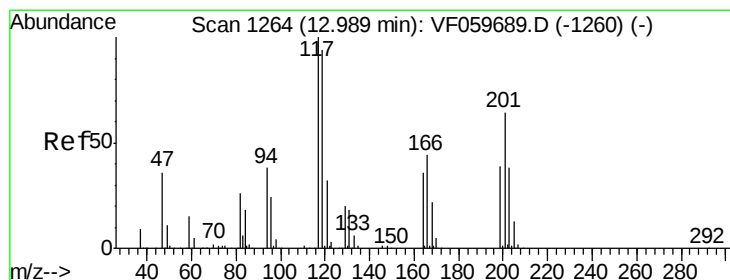
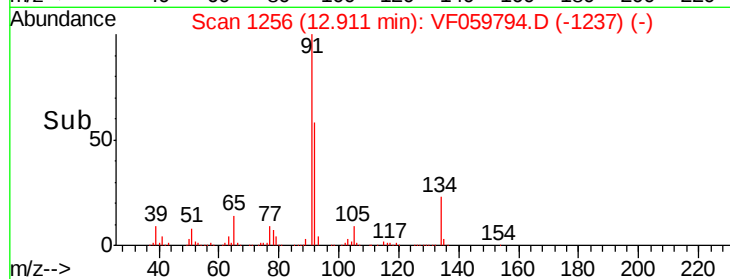
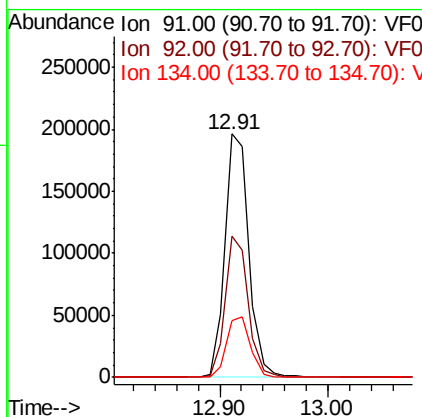
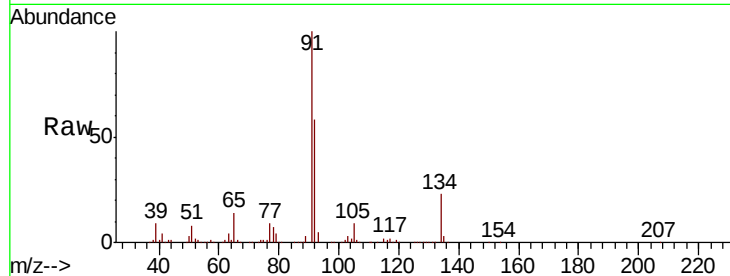
#89
n-Butylbenzene
Concen: 25.07 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.9	30.1	90.3
134	23.3	13.7	41.0

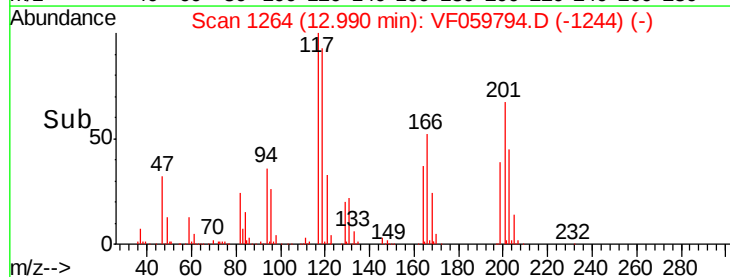
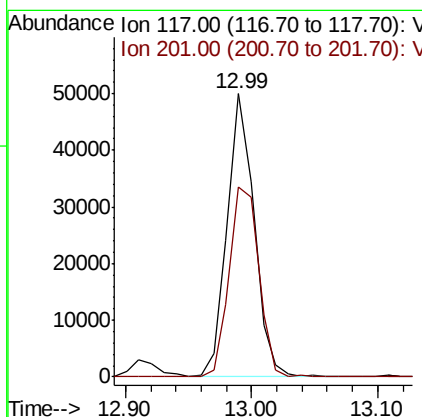
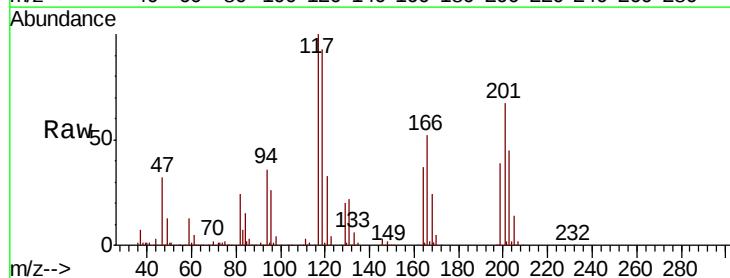
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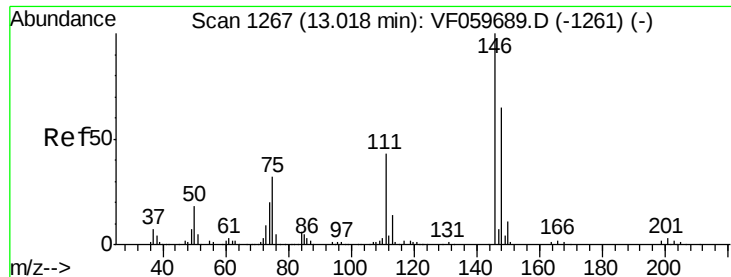
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#90
Hexachloroethane
Concen: 22.97 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	31.9	95.5





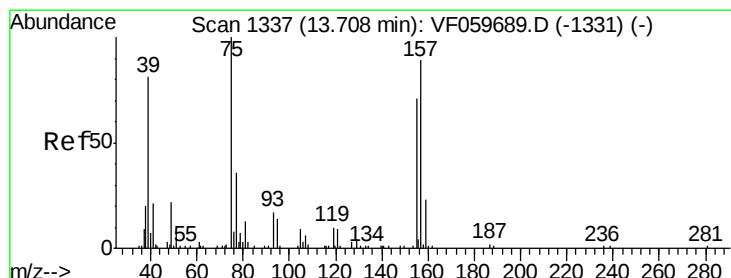
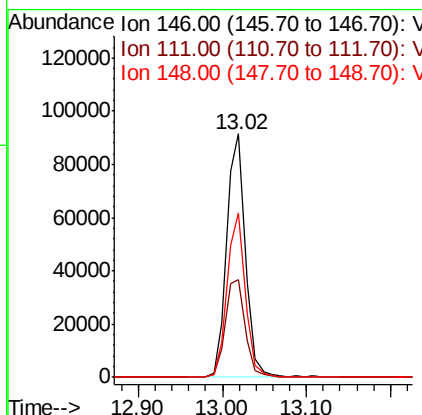
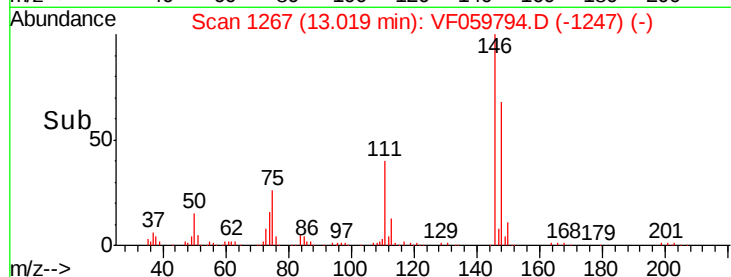
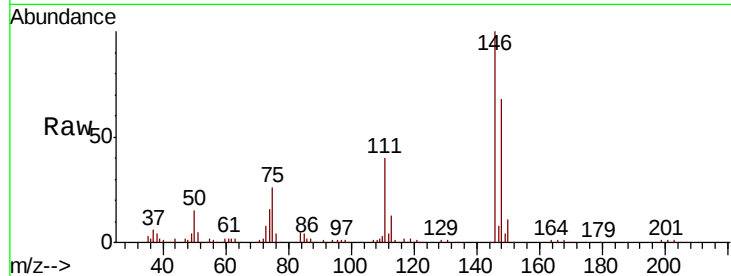
#91
 1,2-Dichlorobenzene
 Concen: 24.34 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.6	65.0
148	67.7	32.3	96.9

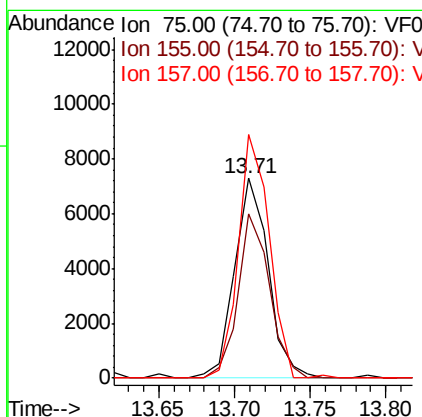
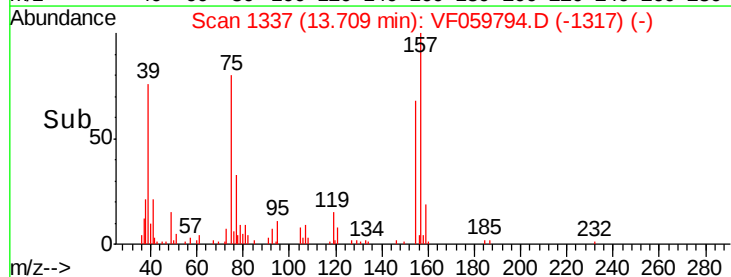
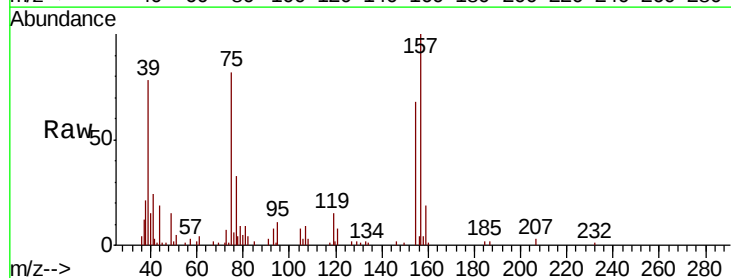
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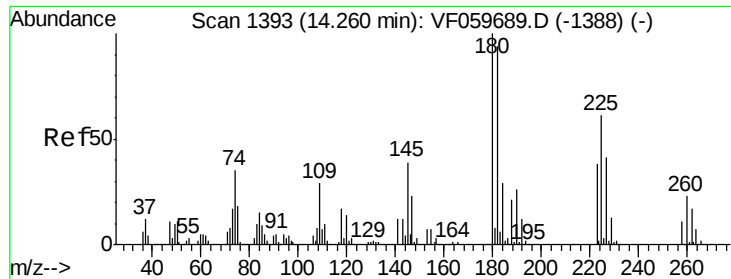
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.20 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	35.4	106.2
157	122.0	44.4	133.2





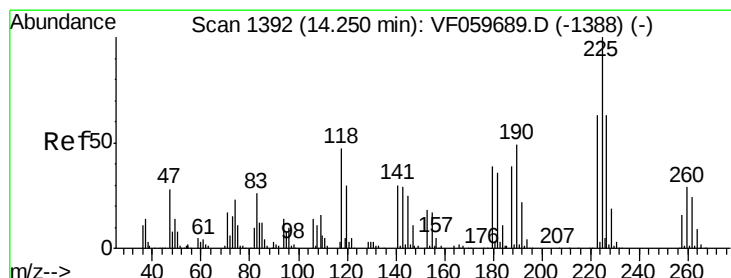
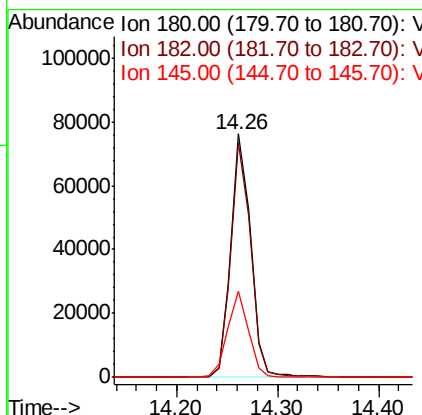
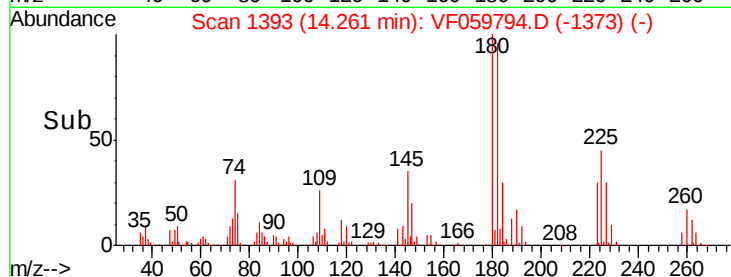
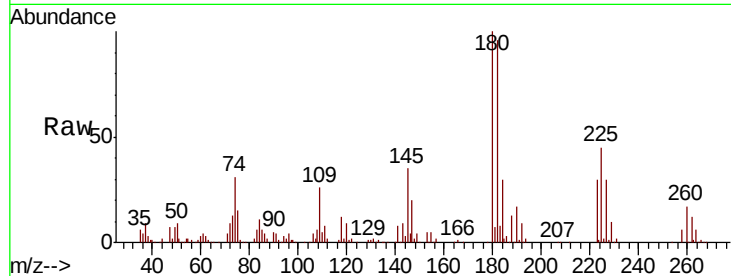
#93
 1,2,4-Trichlorobenzene
 Concen: 21.93 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	47.2	141.6	
145	35.3	19.3	57.9	

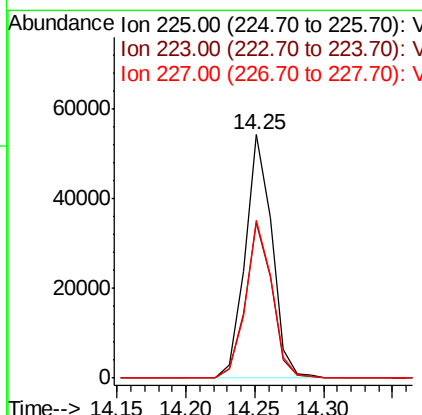
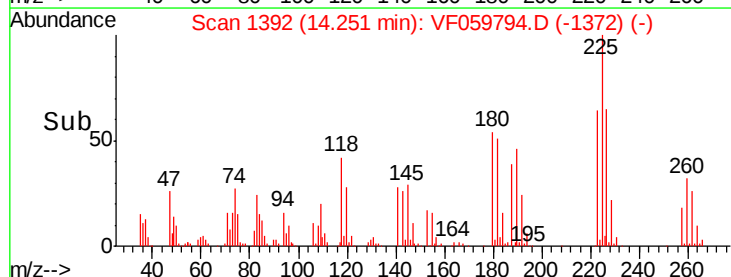
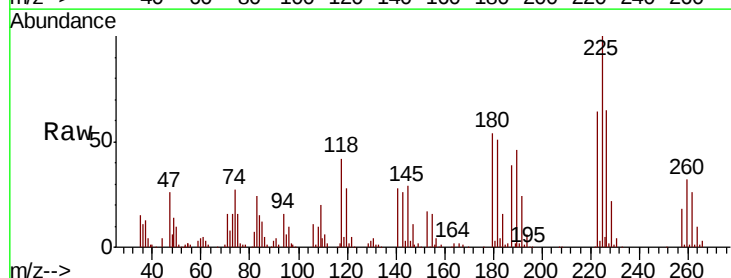
Manual Integrations
 APPROVED

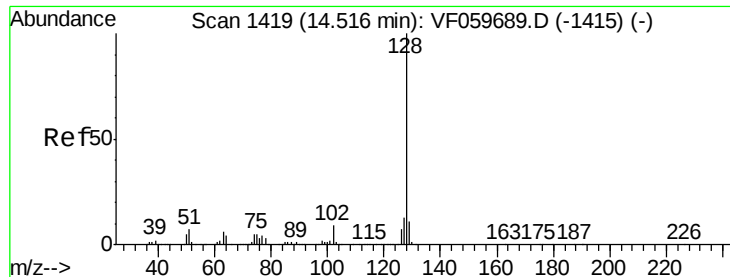
apatel
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#94
 Hexachlorobutadiene
 Concen: 23.06 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059794.D
 Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	31.4	94.2	
227	65.1	31.5	94.5	





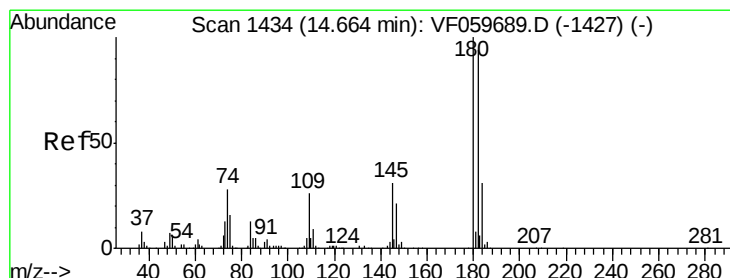
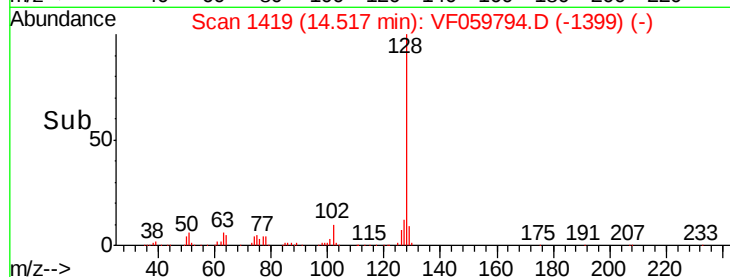
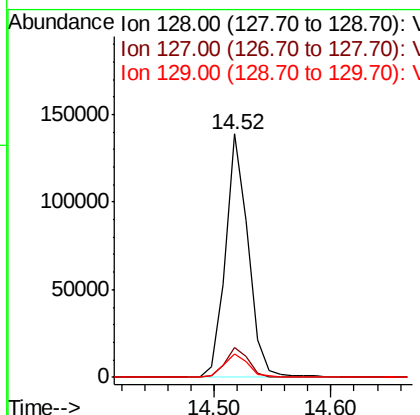
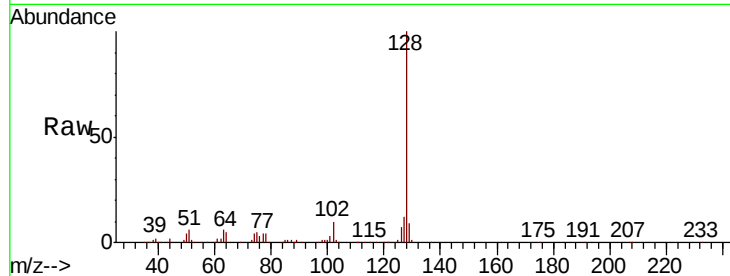
#95
Naphthalene
Concen: 22.36 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.0	15.0
129	9.4	8.6	13.0

Manual Integrations
APPROVED

apatel
8/2/2018 2:20:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.61 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059794.D
Acq: 2 Aug 2018 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.2	141.6
145	30.2	15.6	46.7

