

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059231.D
 Acq On : 20 Jun 2018 17:45
 Operator : VA/AP
 Sample : VF0620SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:45:46 AM

Quant Time: Jun 21 07:04:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	256710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	401007	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	391453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	251422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	180586	58.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.00%	
35) Dibromofluoromethane	4.29	113	152817	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	7.70	98	403787	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.50	95	218282	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	55498	19.10	ug/l	98
3) Chloromethane	1.09	50	33182	14.74	ug/l	94
4) Vinyl Chloride	1.14	62	33847	16.67	ug/l	95
5) Bromomethane	1.34	94	18923	15.99	ug/l	96
6) Chloroethane	1.43	64	15280	18.14	ug/l	94
7) Trichlorofluoromethane	1.48	101	65796m	20.85	ug/l	
8) Diethyl Ether	1.70	74	14930	18.80	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.89	101	37487	18.64	ug/l	94
10) Methyl Iodide	1.96	142	66946	19.02	ug/l #	85
11) Tert butyl alcohol	2.69	59	22714	113.86	ug/l	95
12) 1,1-Dichloroethene	1.85	96	33080	19.56	ug/l	98
13) Acrolein	2.09	56	9915	57.42	ug/l #	80
14) Allyl chloride	2.18	41	61508	18.53	ug/l	96
15) Acrylonitrile	3.08	53	47866	120.82	ug/l	92
16) Acetone	2.34	43	91938m	123.68	ug/l	
17) Carbon Disulfide	1.86	76	74712	15.73	ug/l	98
18) Methyl Acetate	2.45	43	27252m	21.33	ug/l	
19) Methyl tert-butyl Ether	2.53	73	121309	23.10	ug/l	97
20) Methylene Chloride	2.32	84	39003m	21.91	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35267	19.01	ug/l	86
22) Diisopropyl ether	2.92	45	141055	21.61	ug/l	98
23) Vinyl Acetate	3.33	43	491500	114.22	ug/l	99
24) 1,1-Dichloroethane	3.00	63	88470	22.36	ug/l	99
25) 2-Butanone	4.51	43	121589	105.51	ug/l	99
26) 2,2-Dichloropropane	3.76	77	60421	21.05	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	54039	18.93	ug/l	97
28) Bromochloromethane	3.88	49	42503	23.87	ug/l #	95
29) Tetrahydrofuran	4.25	42	51409	101.24	ug/l	98
30) Chloroform	4.03	83	123446	21.81	ug/l	95
31) Cyclohexane	3.87	56	59120	17.10	ug/l	87
32) 1,1,1-Trichloroethane	4.27	97	88855	21.03	ug/l	95
36) 1,1-Dichloropropene	4.45	75	79840	20.54	ug/l	96
37) Ethyl Acetate	4.28	43	54331	22.62	ug/l	85
38) Carbon Tetrachloride	4.16	117	94940m	22.54	ug/l	

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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	74460	18.79	ug/l	97
40) Benzene	4.80	78	177468	19.67	ug/l	97
41) Methacrylonitrile	4.91	41	26171	22.18	ug/l	94
42) 1,2-Dichloroethane	5.11	62	99899	24.69	ug/l	97
43) Isopropyl Acetate	7.11	43	64295	19.99	ug/l #	93
44) Trichloroethene	5.67	130	61126	21.68	ug/l	98
45) 1,2-Dichloropropane	6.39	63	50091	19.26	ug/l	98
46) Dibromomethane	6.25	93	42220	21.57	ug/l	90
47) Bromodichloromethane	6.55	83	101316	22.75	ug/l	97
48) Methyl methacrylate	6.87	41	42921	21.65	ug/l	96
49) 1,4-Dioxane	6.86	88	4775	315.78	ug/l #	89
51) 4-Methyl-2-Pentanone	8.40	43	248565	112.75	ug/l	99
52) Toluene	7.78	92	126082	19.40	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	93289	21.63	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	101170	20.42	ug/l	92
55) 1,1,2-Trichloroethane	8.64	97	50976	21.65	ug/l	96
56) Ethyl methacrylate	8.75	69	61701	20.79	ug/l	97
57) 1,3-Dichloropropane	8.99	76	86426	21.46	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	23620	111.29	ug/l	100
59) 2-Hexanone	9.63	43	201320	115.45	ug/l	94
60) Dibromochloromethane	8.86	129	75984	22.45	ug/l	93
61) 1,2-Dibromoethane	9.13	107	60898	22.26	ug/l	99
64) Tetrachloroethene	8.30	164	60114	20.94	ug/l	94
65) Chlorobenzene	9.94	112	163352	21.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	69511	22.54	ug/l	96
67) Ethyl Benzene	10.04	91	280435	20.82	ug/l	98
68) m/p-Xylenes	10.26	106	210689	41.78	ug/l	85
69) o-Xylene	10.82	106	118744	21.79	ug/l	93
70) Styrene	10.89	104	178607	21.66	ug/l	97
71) Bromoform	10.88	173	51933	24.80	ug/l #	88
73) Isopropylbenzene	11.23	105	347651	19.97	ug/l	100
74) N-amyl acetate	11.47	43	121600	19.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	84950	20.58	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	64652	21.21	ug/l	94
77) Bromobenzene	11.59	156	87227	19.91	ug/l	86
78) n-propylbenzene	11.68	91	398142	19.32	ug/l	97
79) 2-Chlorotoluene	11.81	91	236577	19.44	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	284741	19.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	36025	18.23	ug/l	93
82) 4-Chlorotoluene	11.99	91	258290	19.93	ug/l	95
83) tert-Butylbenzene	12.21	119	297507	20.80	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	313167	20.98	ug/l	90
85) sec-Butylbenzene	12.38	105	395438	20.34	ug/l	96
86) p-Isopropyltoluene	12.54	119	317815	19.91	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	164039	20.28	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	155416	19.94	ug/l	97
89) n-Butylbenzene	12.91	91	337902	18.47	ug/l	93
90) Hexachloroethane	12.99	117	77748	19.77	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	164213	21.08	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17025	21.03	ug/l	92

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	119955	22.01	ug/l	94
94) Hexachlorobutadiene	14.25	225	67181	21.30	ug/l	97
95) Naphthalene	14.52	128	245799	21.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	111251	22.09	ug/l	98

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

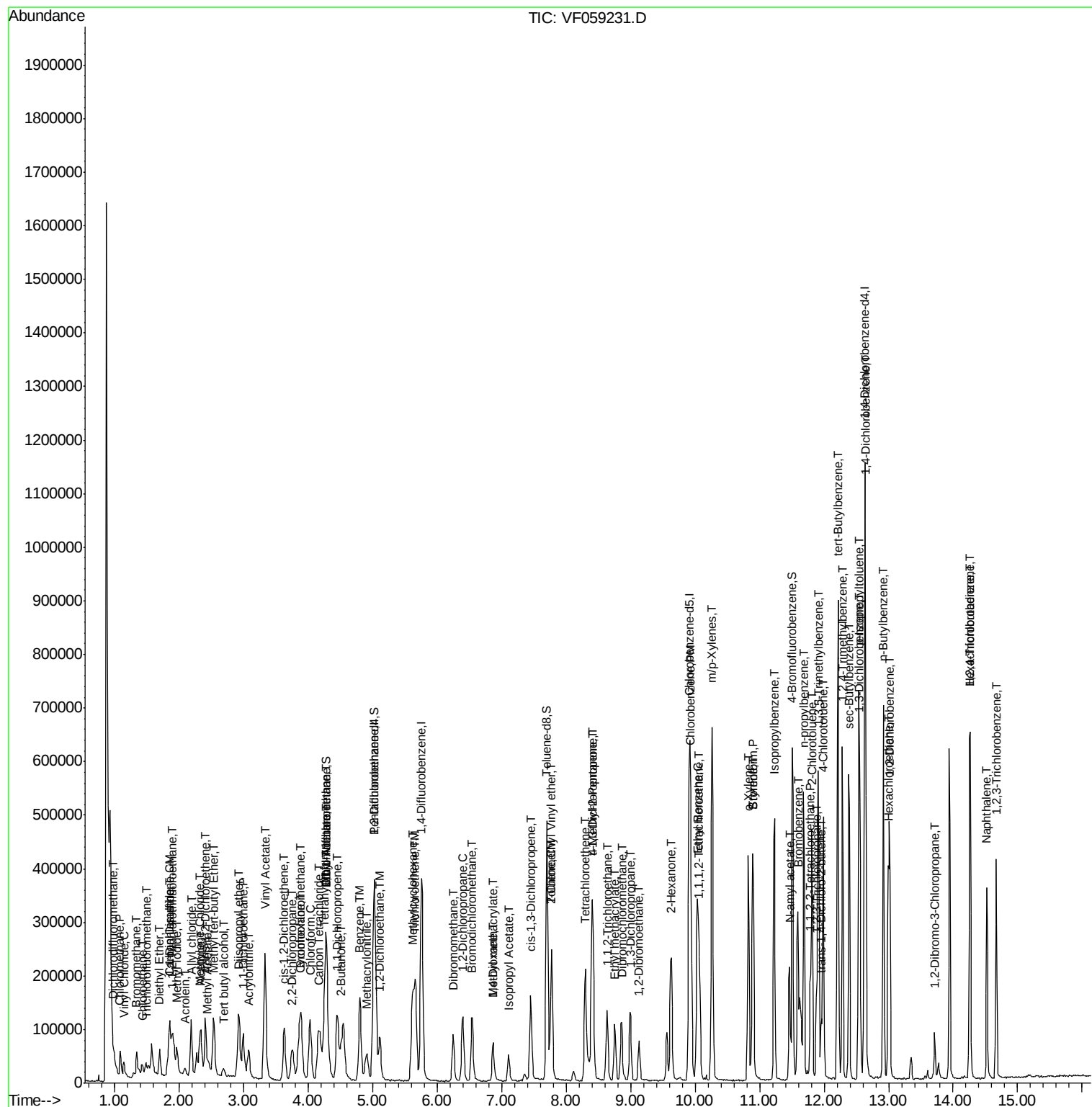
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
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 Operator : VA/AP
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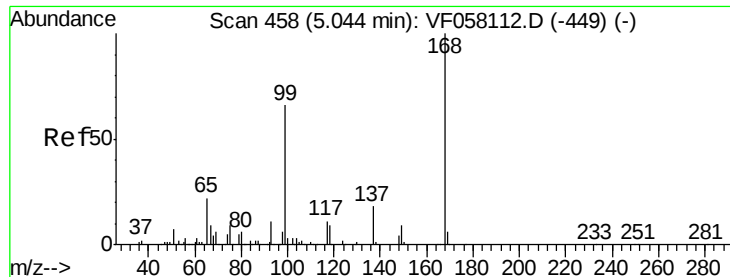
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:168 Resp: 256710

Ion Ratio Lower Upper

168 100

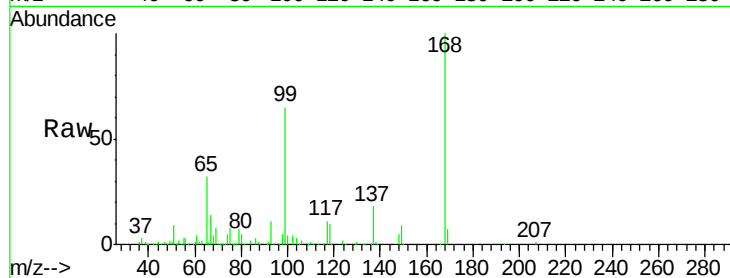
99 65.1 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

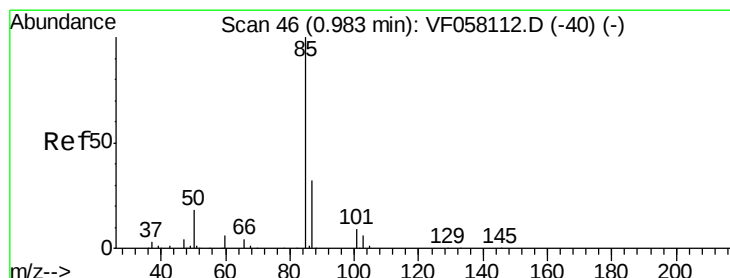
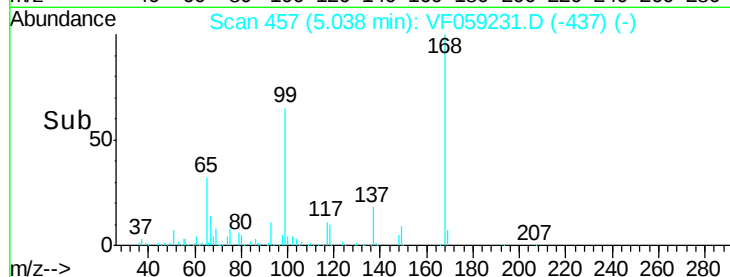
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.10 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059231.D

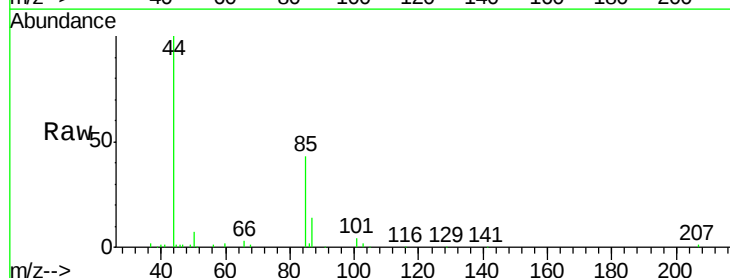
Acq: 20 Jun 2018 17:45

Tgt Ion: 85 Resp: 55498

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

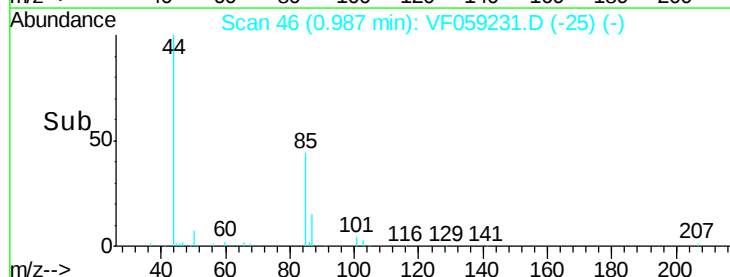
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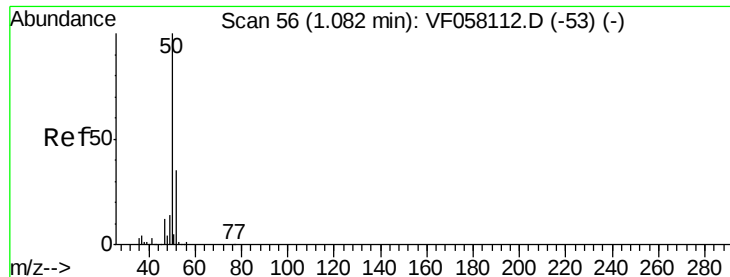
10000

5000

0

Time-->





#3

Chloromethane

Concen: 14.74 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 50 Resp: 33182

Ion Ratio Lower Upper

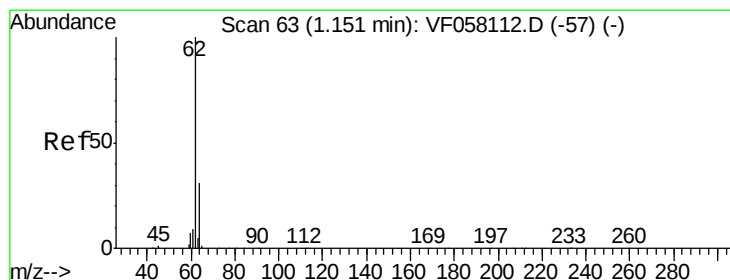
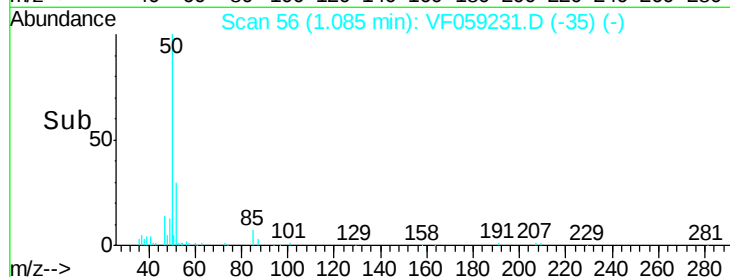
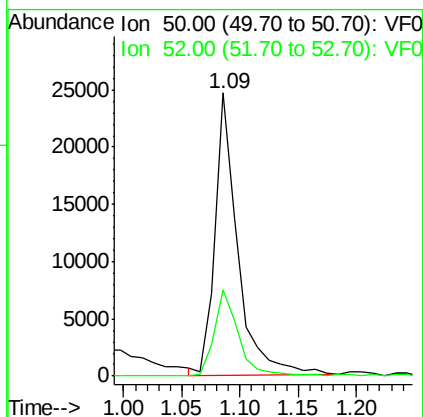
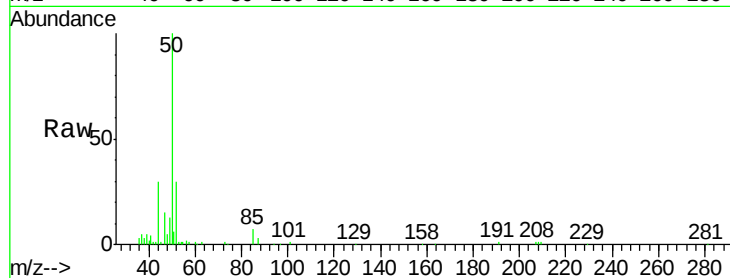
50 100

52 30.4 27.3 40.9

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#4

Vinyl Chloride

Concen: 16.67 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059231.D

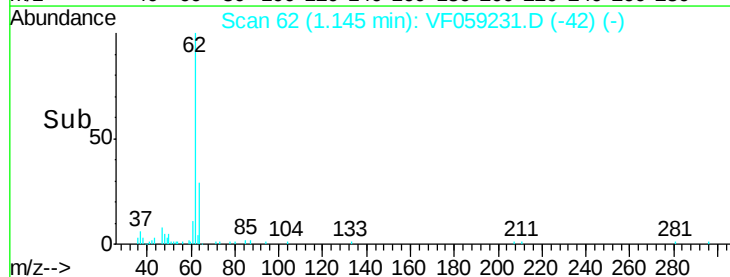
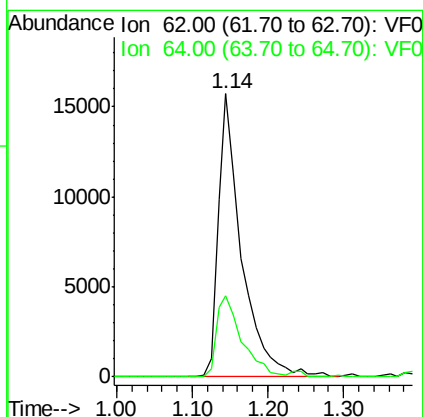
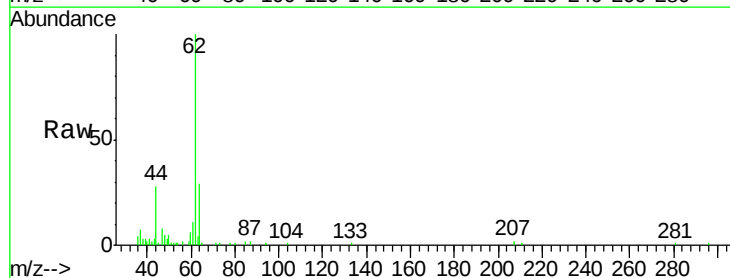
Acq: 20 Jun 2018 17:45

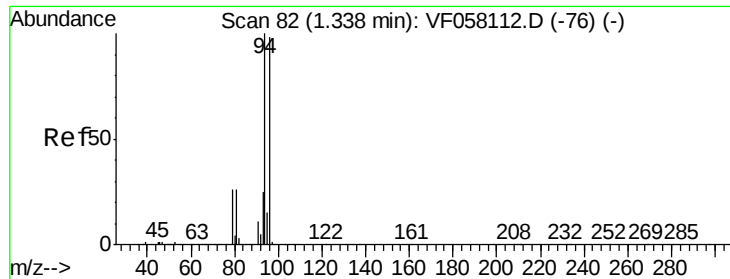
Tgt Ion: 62 Resp: 33847

Ion Ratio Lower Upper

62 100

64 28.6 25.0 37.6





#5

Bromomethane

Concen: 15.99 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 94 Resp: 18923

Ion Ratio Lower Upper

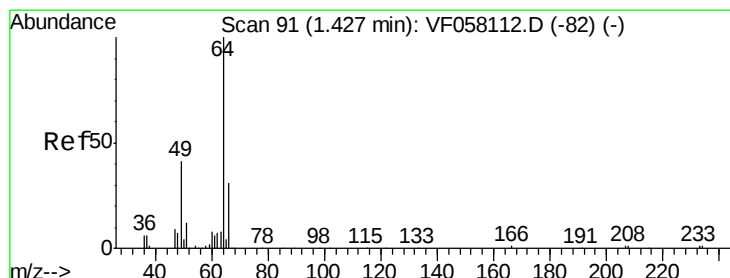
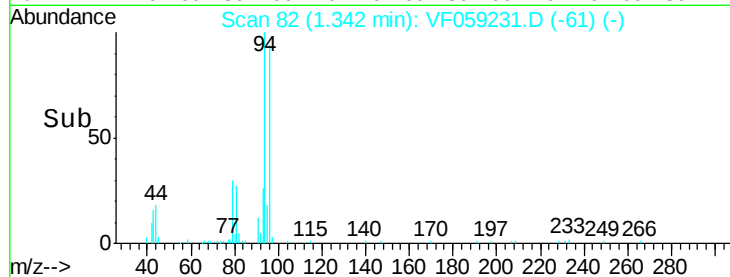
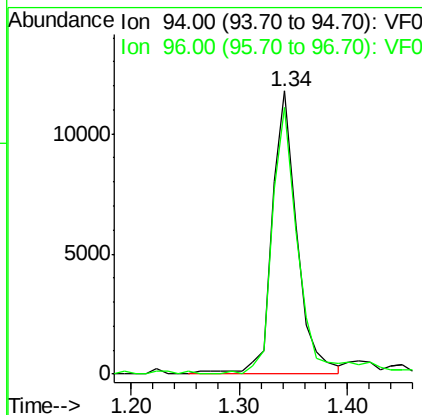
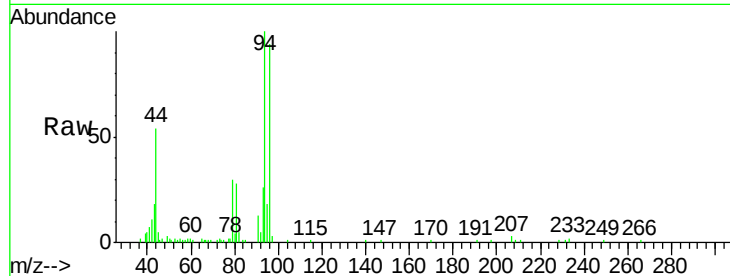
94 100

96 94.5 78.6 117.8

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#6

Chloroethane

Concen: 18.14 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059231.D

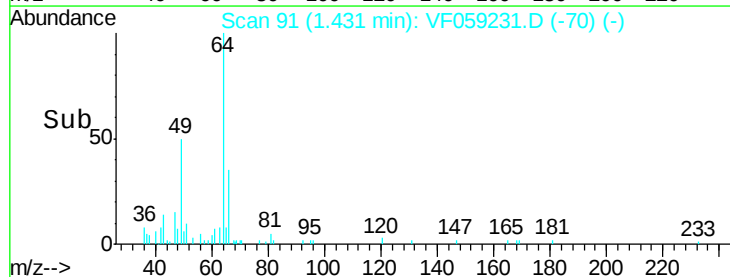
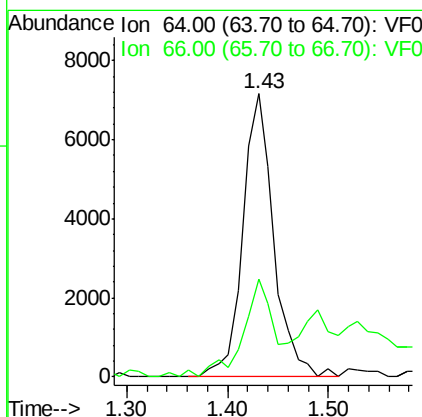
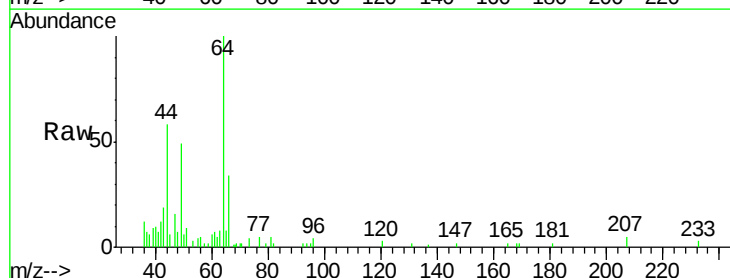
Acq: 20 Jun 2018 17:45

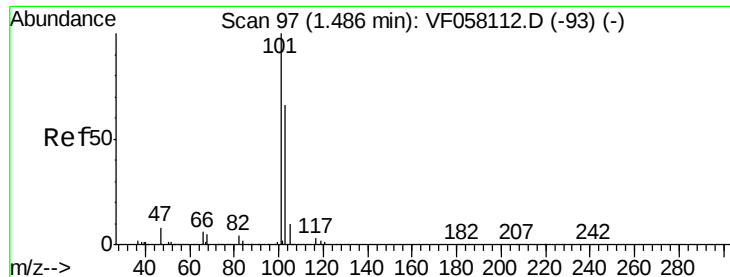
Tgt Ion: 64 Resp: 15280

Ion Ratio Lower Upper

64 100

66 34.5 24.9 37.3





#7

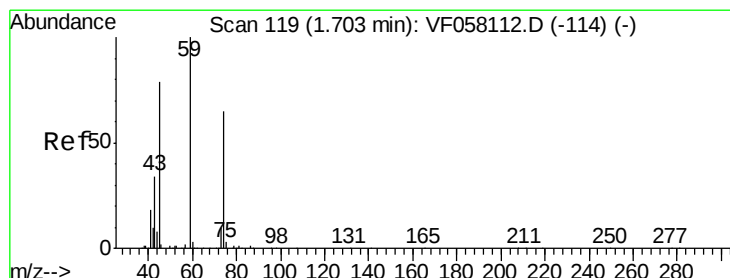
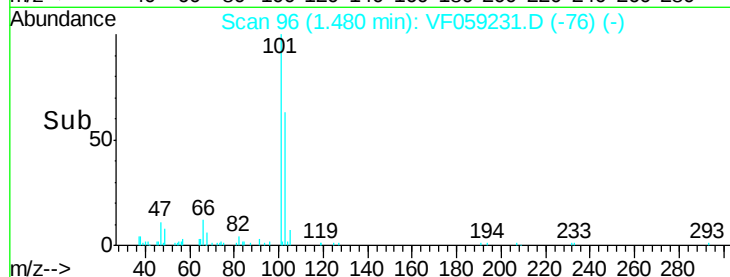
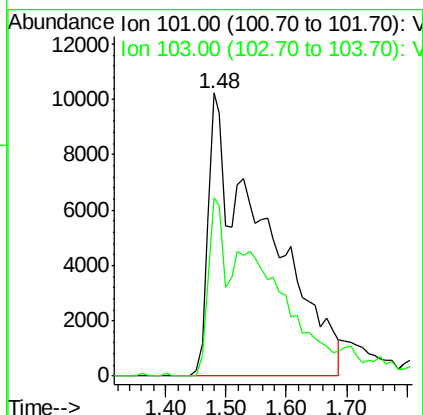
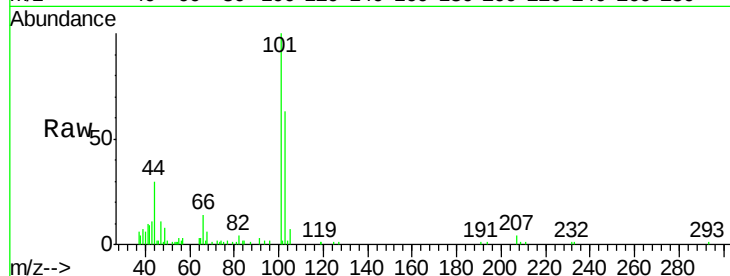
Trichlorofluoromethane
 Concen: 20.85 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	53.4	80.2

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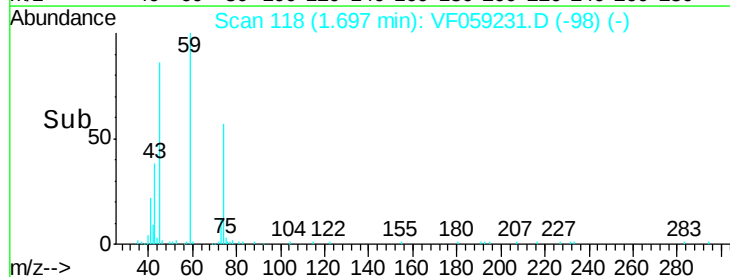
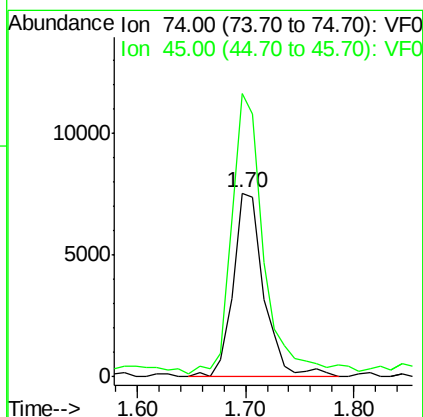
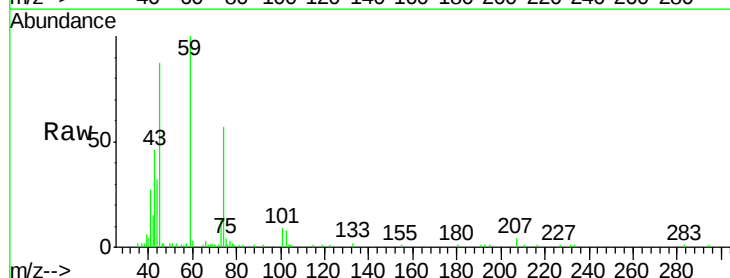
apatel
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#8

Diethyl Ether
 Concen: 18.80 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	154.1	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.64 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

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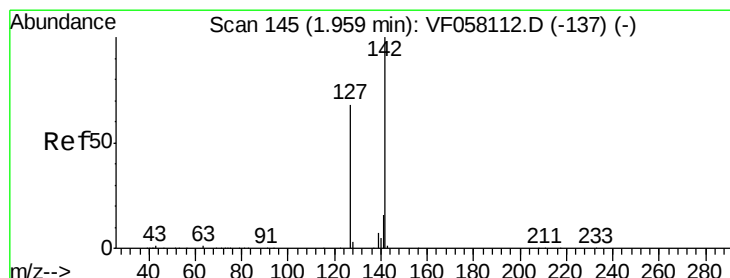
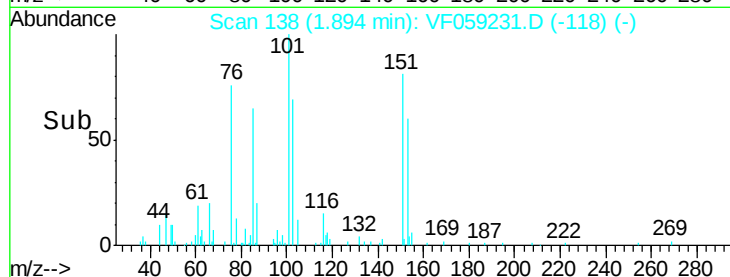
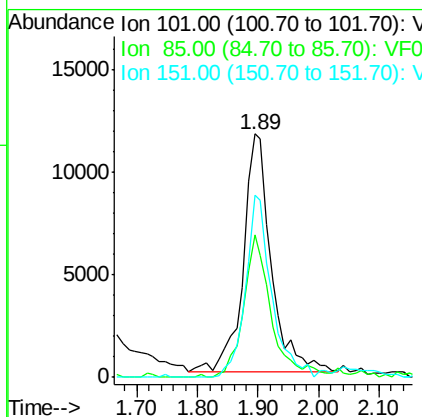
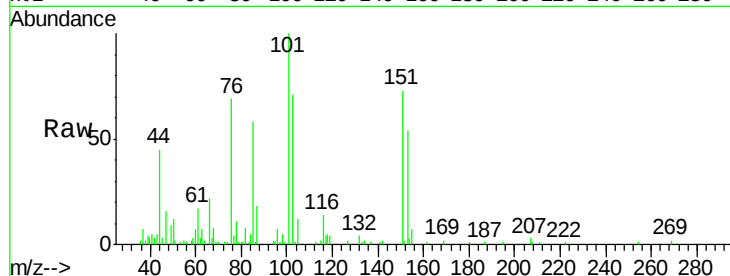
ClientSampleId :

VF0620SBS01

Tot Ion:	101	Resp:	37487
Ion Ratio	Lower	Upper	
101	100		
85	58.4	42.2	63.4
151	74.8	56.8	85.2

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#10

Methyl Iodide

Concen: 19.02 ug/l

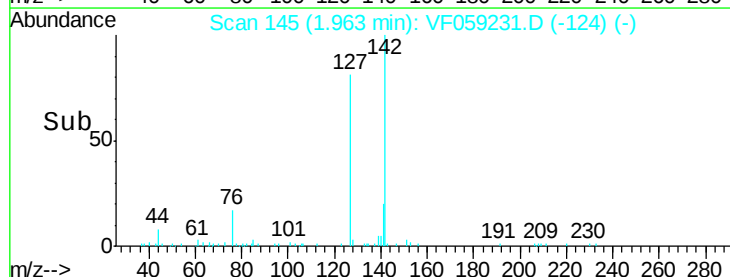
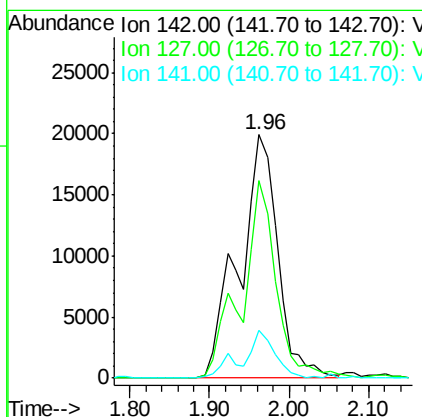
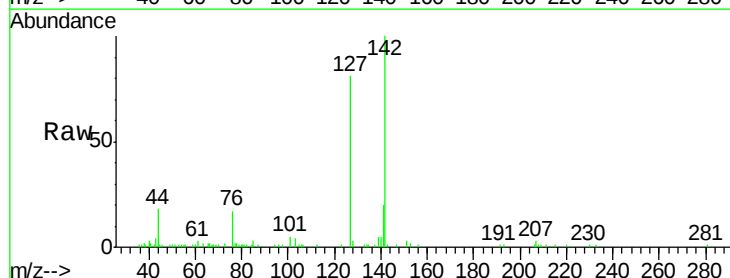
RT: 1.96 min Scan# 145

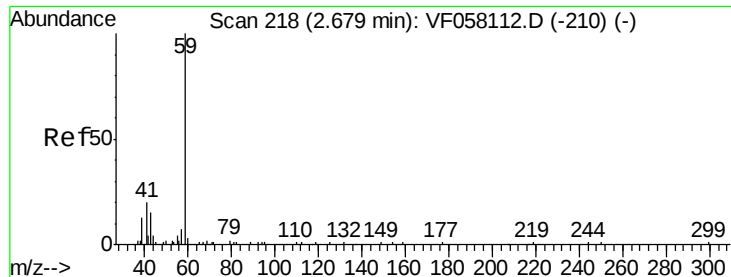
Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	142	Resp:	66946
Ion Ratio	Lower	Upper	
142	100		
127	81.3	54.1	81.1#
141	19.9	13.0	19.4#





#11

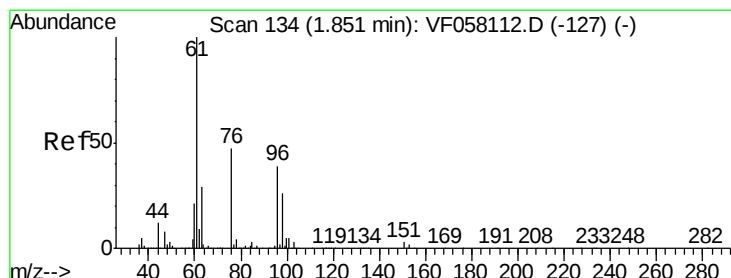
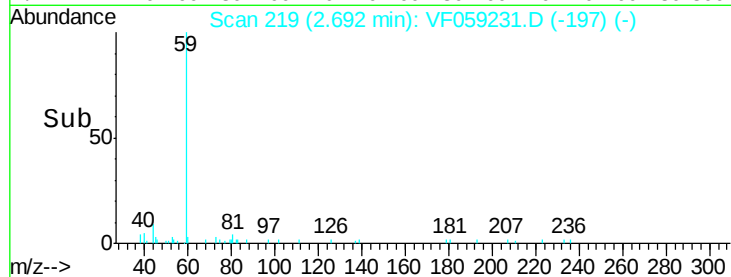
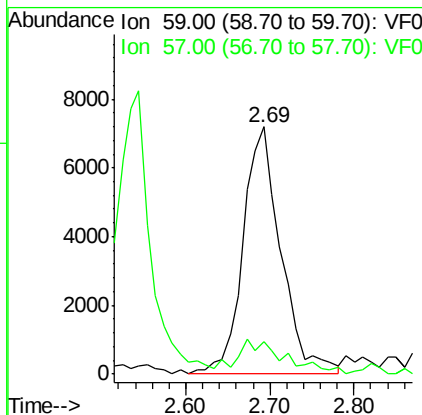
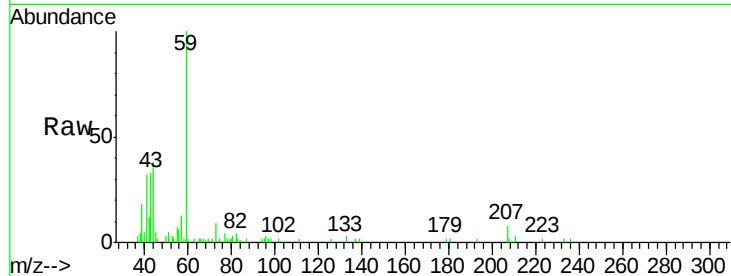
Tert butyl alcohol
 Concen: 113.86 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.0	8.7	13.1

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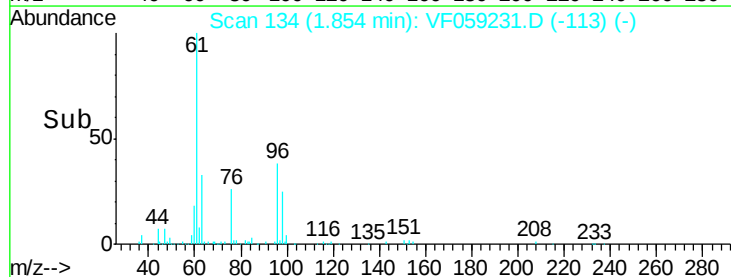
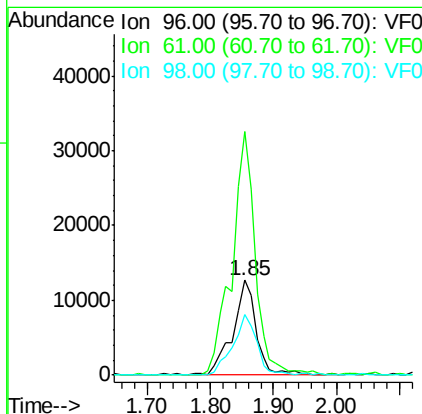
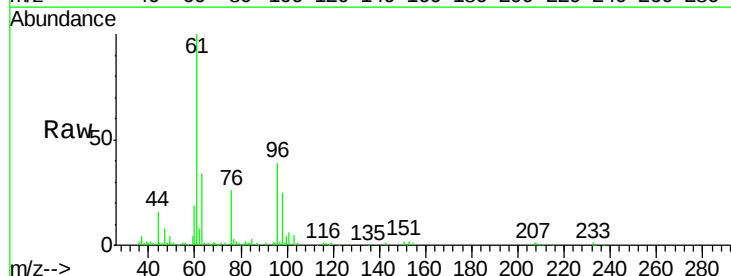
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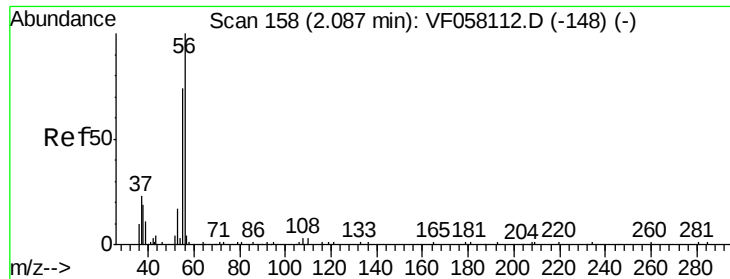


#12

1,1-Dichloroethene
 Concen: 19.56 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	257.5	203.0	304.4
98	63.7	52.7	79.1





#13

Acrolein

Concen: 57.42 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

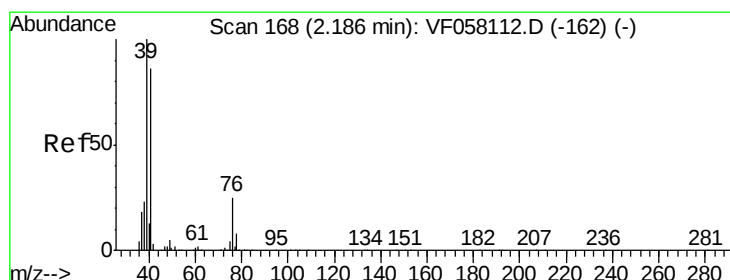
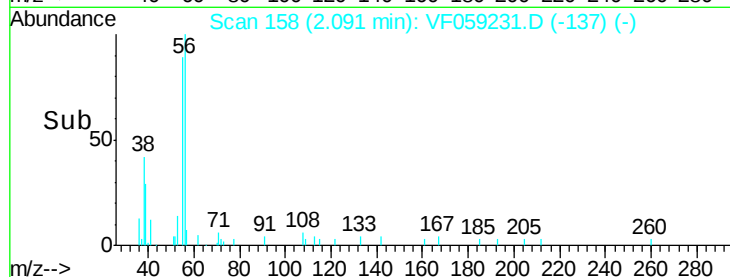
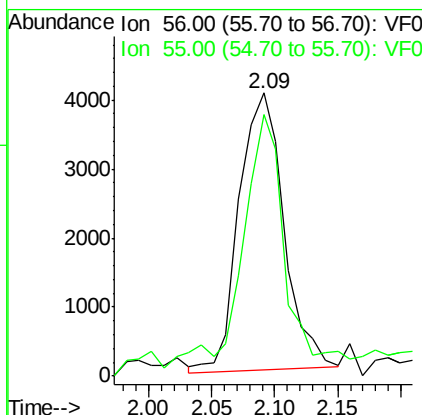
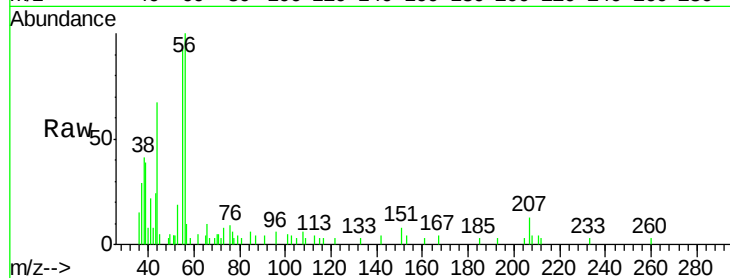
ClientSampleId :

VF0620SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	92.4	60.0	90.0#

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#14

Allyl chloride

Concen: 18.53 ug/l

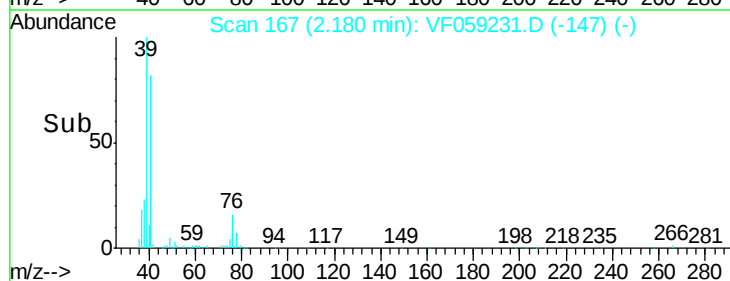
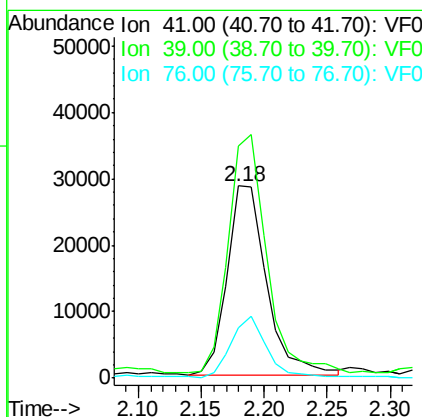
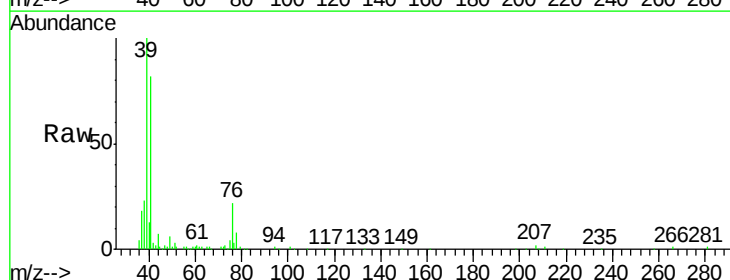
RT: 2.18 min Scan# 167

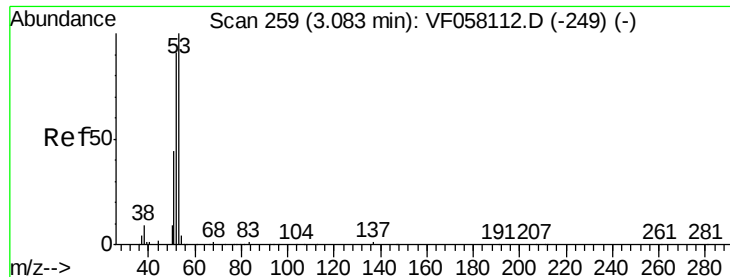
Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	121.3	93.5	140.3
76	26.4	23.9	35.9





#15

Acrylonitrile

Concen: 120.82 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

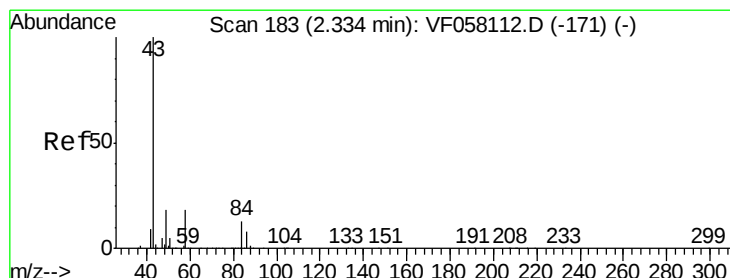
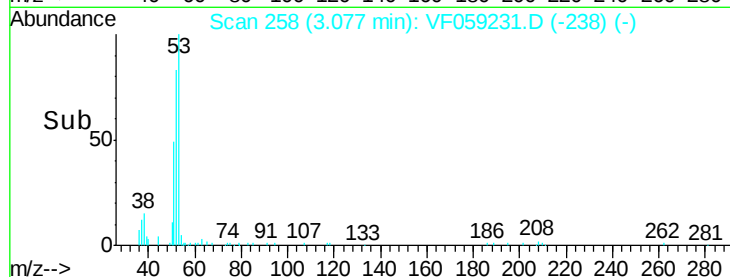
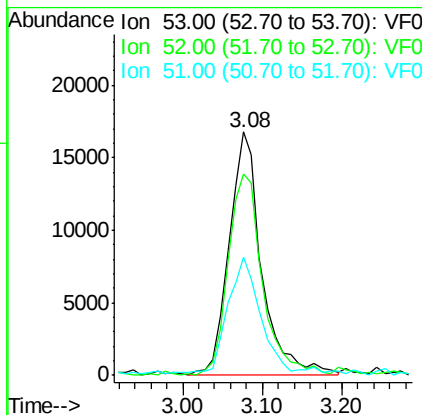
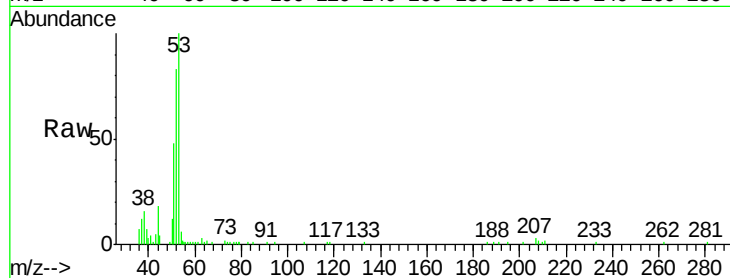
ClientSampleId :

VF0620SBS01

Tot Ion:	53	Resp:	47866
Ion	Ratio	Lower	Upper
53	100		
52	82.9	73.2	109.8
51	48.3	35.6	53.4

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#16

Acetone

Concen: 123.68 ug/l m

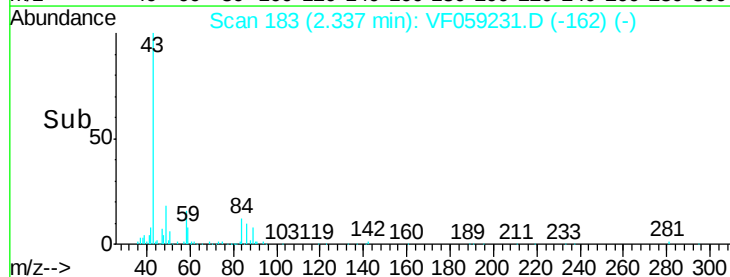
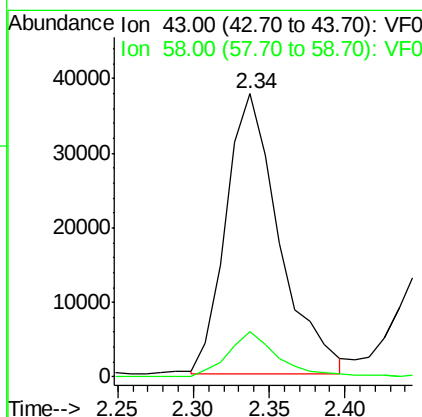
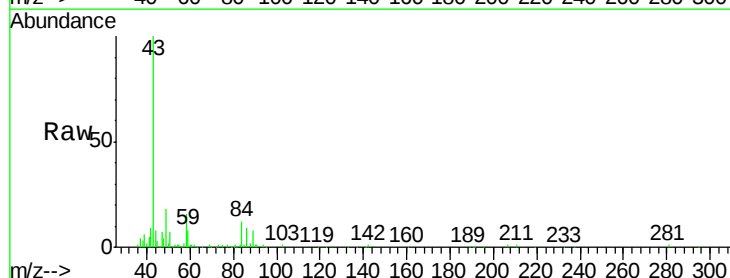
RT: 2.34 min Scan# 183

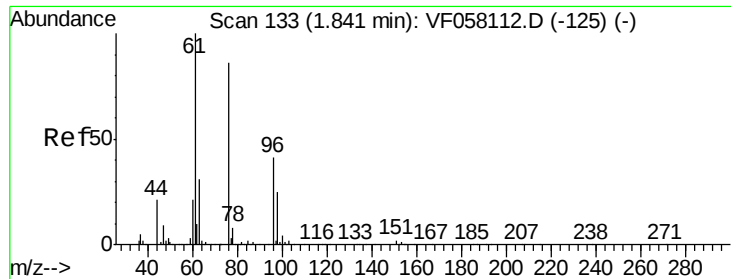
Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	43	Resp:	91938
Ion	Ratio	Lower	Upper
43	100		
58	15.8	14.4	21.6





#17

Carbon Disulfide

Concen: 15.73 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.02 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 76 Resp: 74712

Ion Ratio Lower Upper

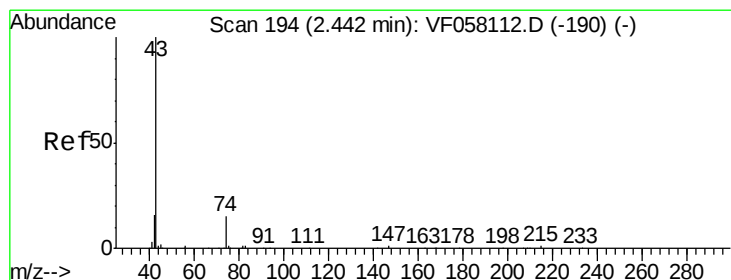
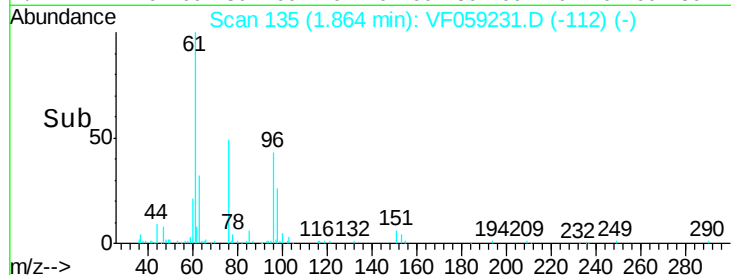
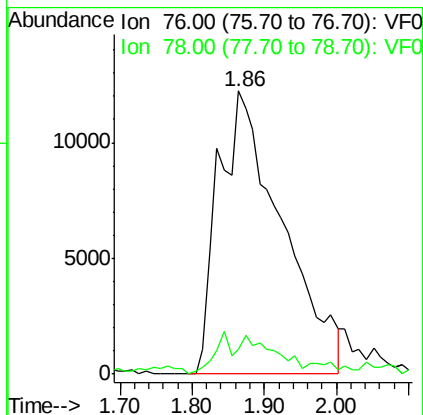
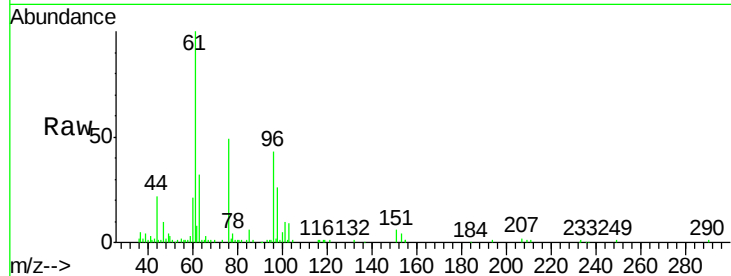
76 100

78 8.9 7.8 11.8

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#18

Methyl Acetate

Concen: 21.33 ug/l m

RT: 2.45 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059231.D

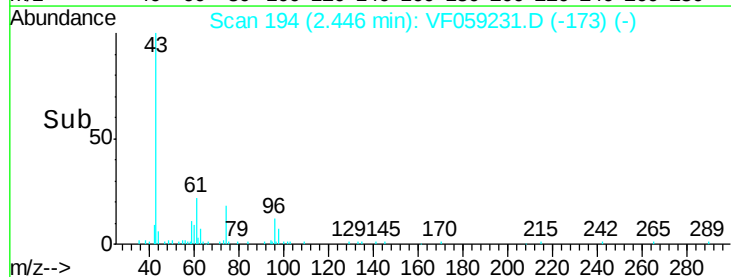
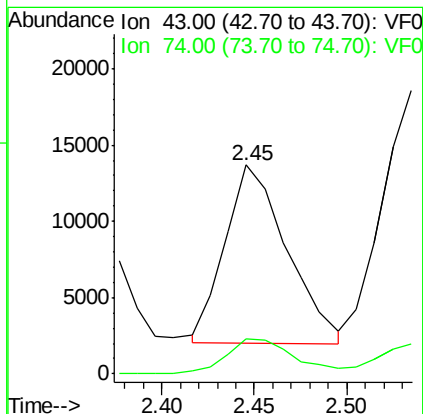
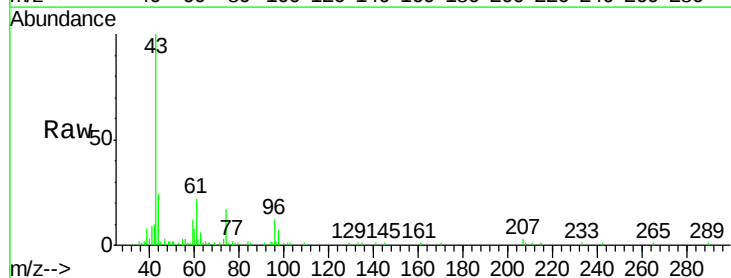
Acq: 20 Jun 2018 17:45

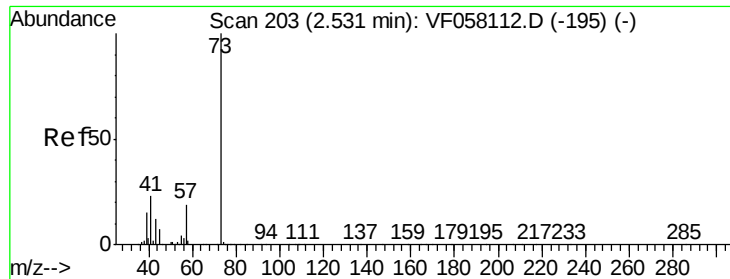
Tgt Ion: 43 Resp: 27252

Ion Ratio Lower Upper

43 100

74 16.6 10.9 16.3#





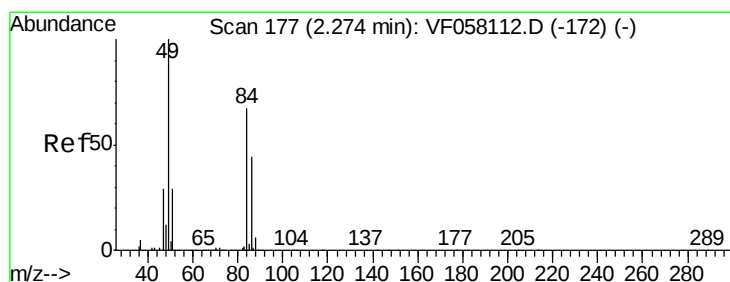
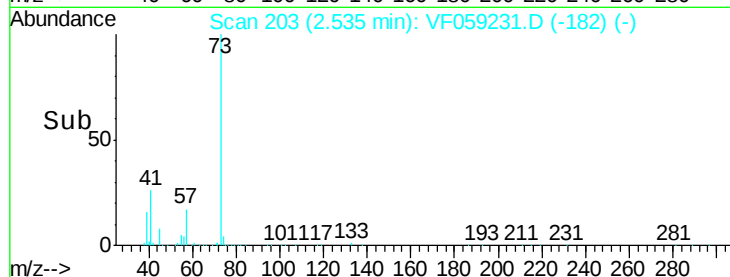
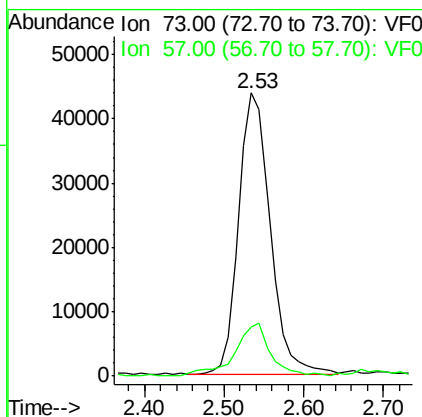
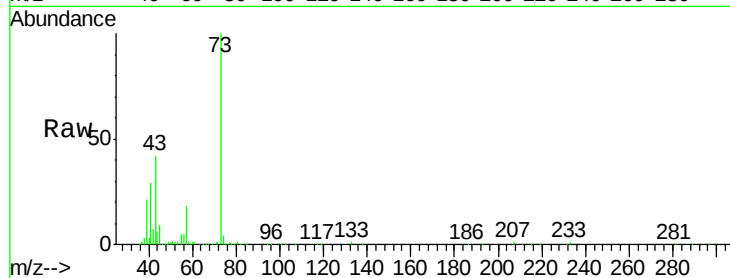
#19
Methyl tert-butyl Ether
Concen: 23.10 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	15.0	22.4

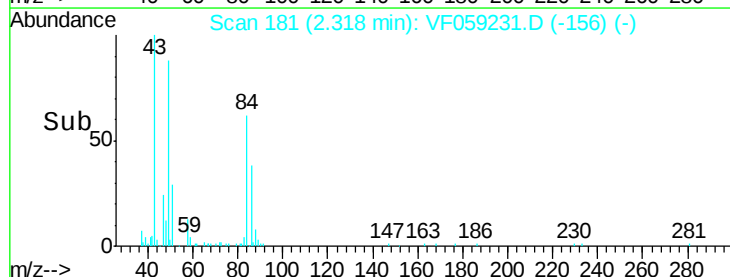
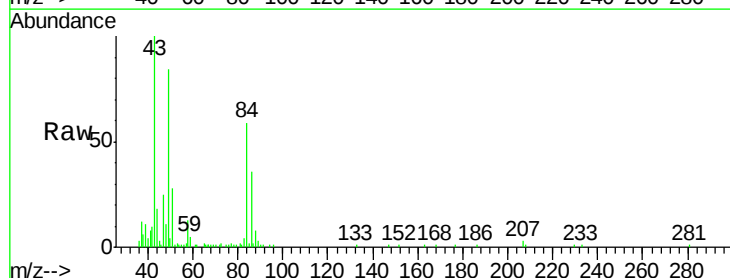
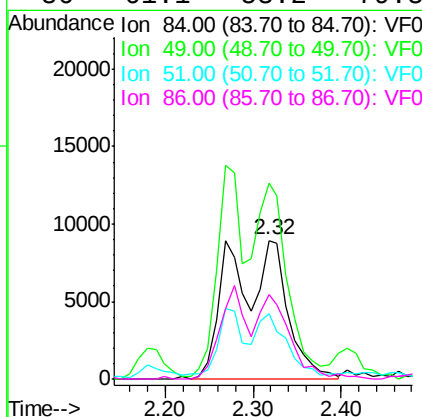
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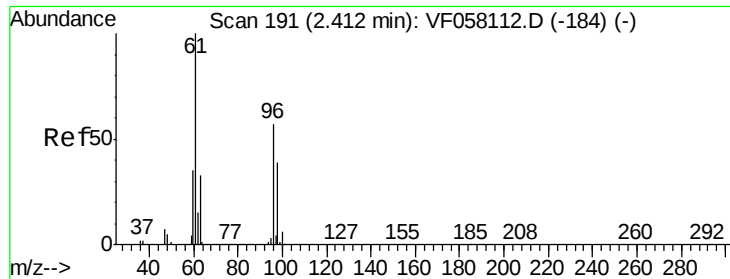
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#20
Methylene Chloride
Concen: 21.91 ug/l m
RT: 2.32 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.2	121.0	181.4
51	47.3	35.8	53.6
86	61.1	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 19.01 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

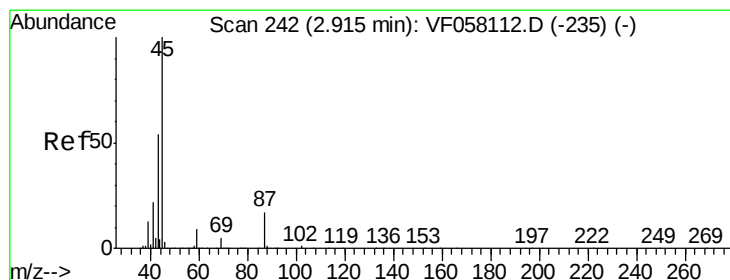
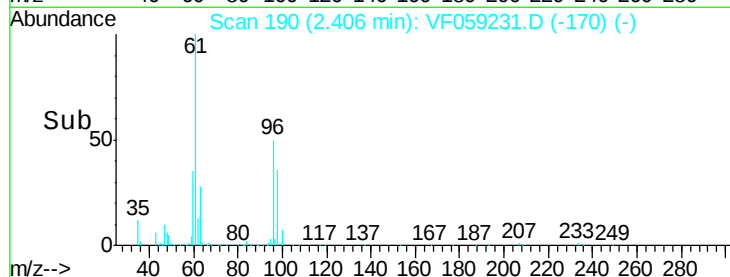
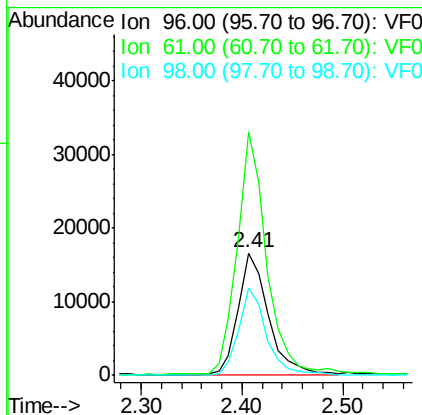
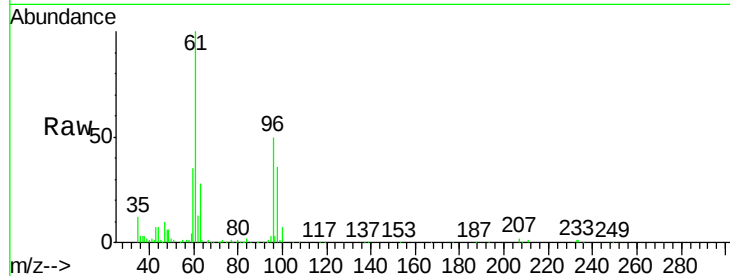
ClientSampleId :

VF0620SBS01

Tot Ion:	96	Resp:	35267
Ion	Ratio	Lower	Upper
96	100		
61	198.8	139.4	209.2
98	71.4	54.0	81.0

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#22

Diisopropyl ether

Concen: 21.61 ug/l

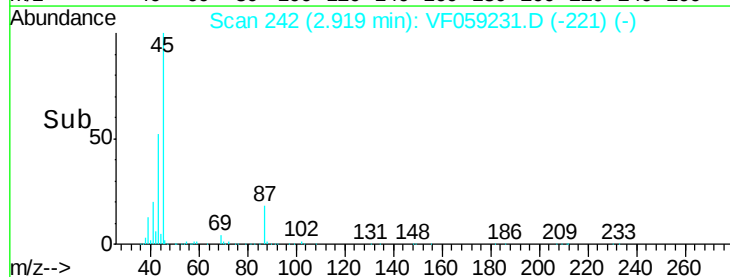
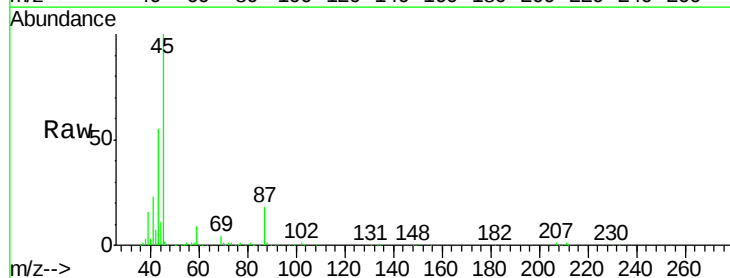
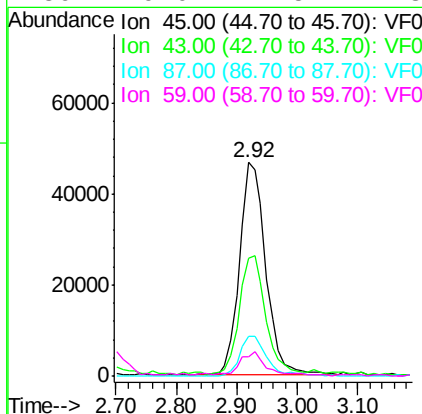
RT: 2.92 min Scan# 242

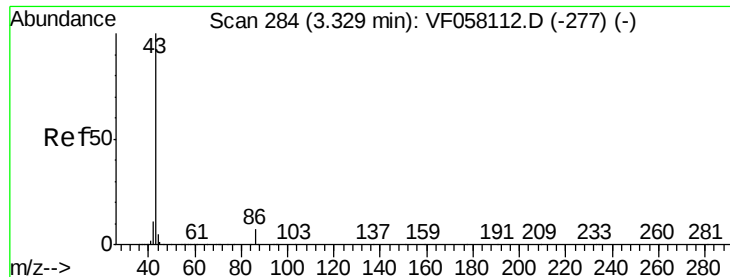
Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	45	Resp:	141055
Ion	Ratio	Lower	Upper
45	100		
43	55.2	43.2	64.8
87	18.3	13.8	20.6
59	9.0	7.5	11.3





#23

Vinyl Acetate

Concen: 114.22 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 43 Resp: 491500

Ion Ratio Lower Upper

43 100

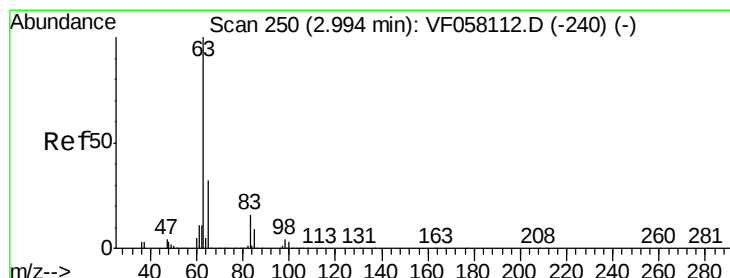
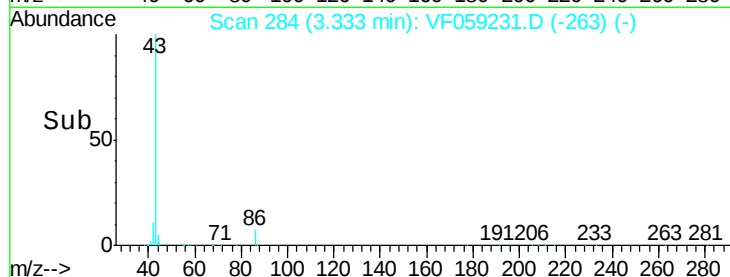
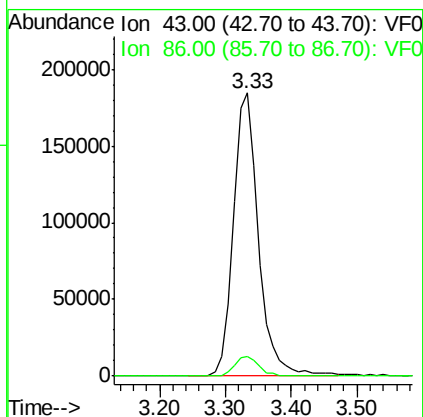
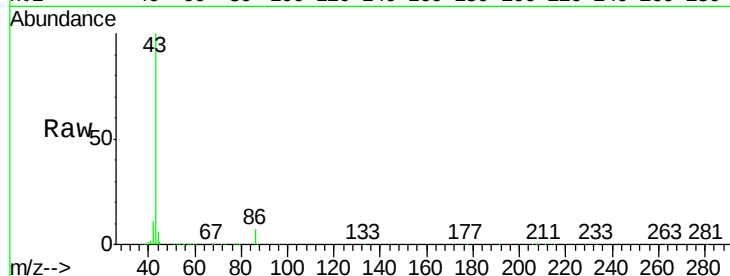
86 7.2 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 22.36 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

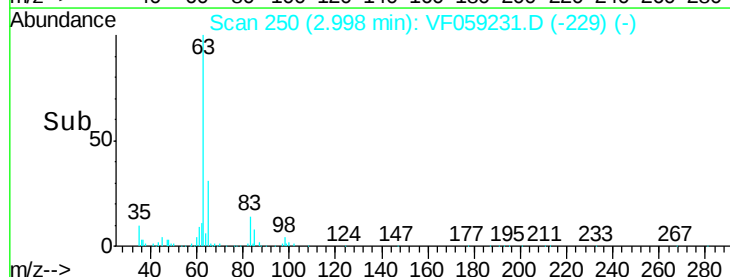
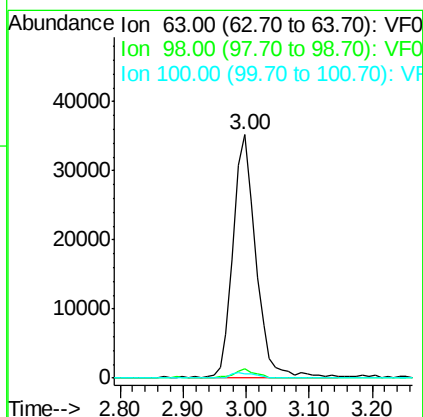
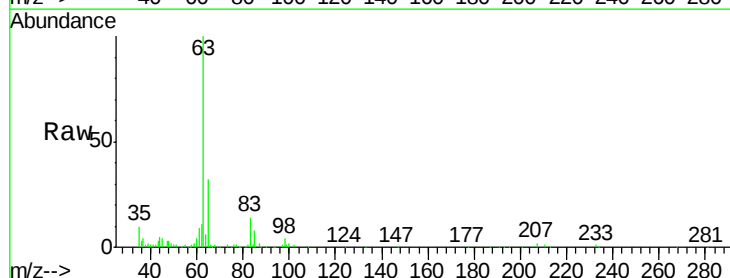
Tgt Ion: 63 Resp: 88470

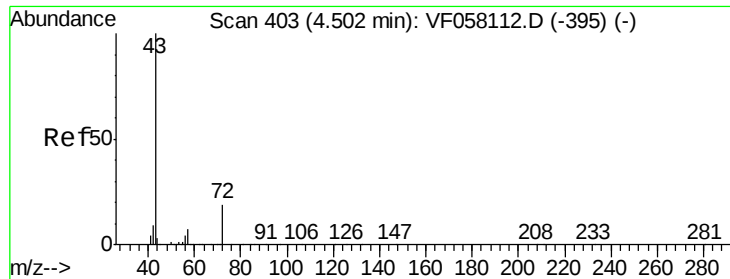
Ion Ratio Lower Upper

63 100

98 4.1 2.0 6.0

100 1.8 1.4 4.0





#25

2-Butanone

Concen: 105.51 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 43 Resp: 121589

Ion Ratio Lower Upper

43 100

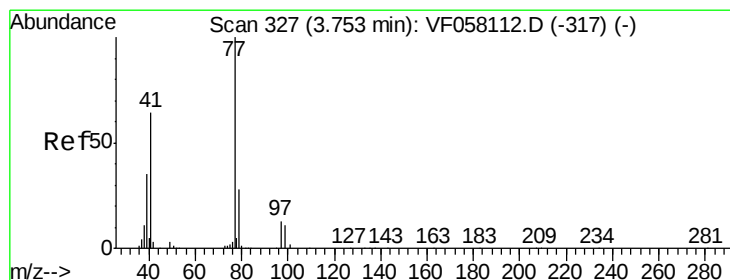
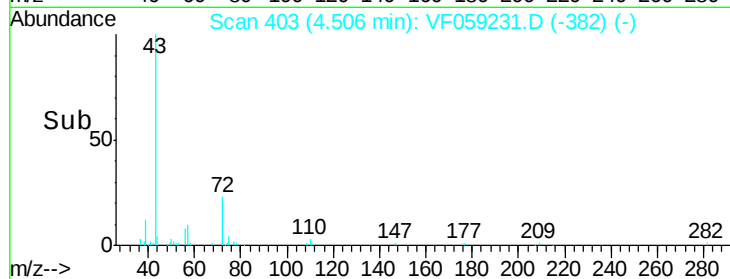
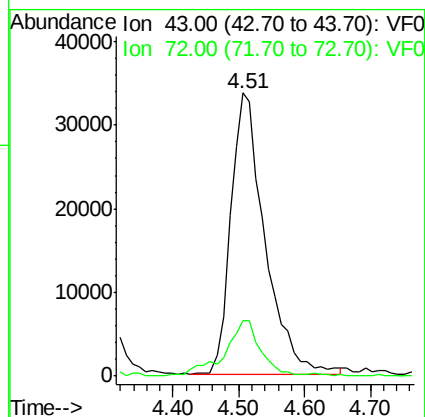
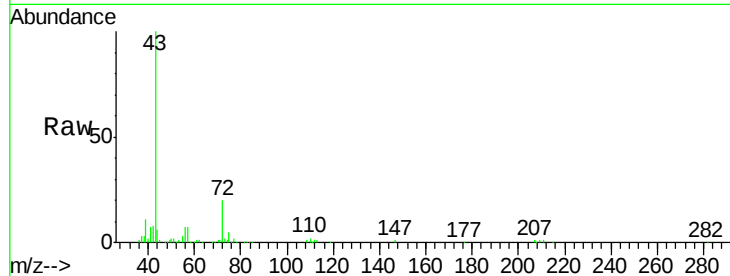
72 19.6 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 21.05 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059231.D

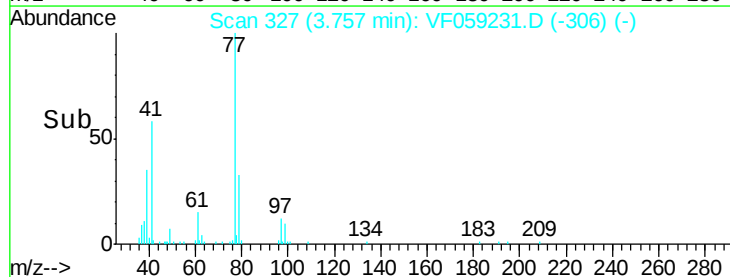
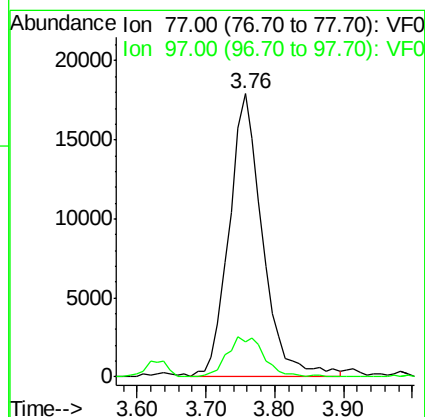
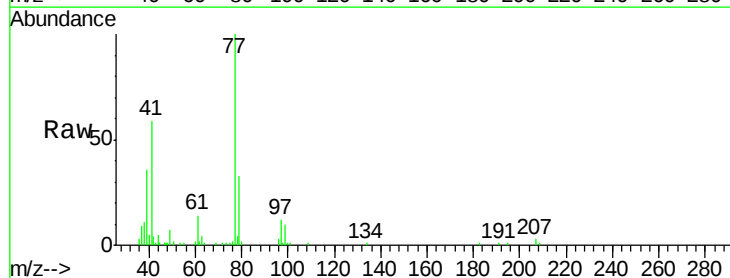
Acq: 20 Jun 2018 17:45

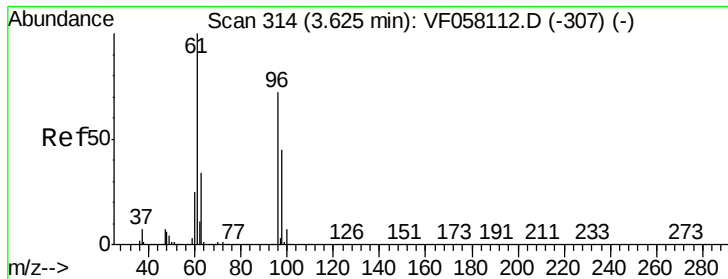
Tgt Ion: 77 Resp: 60421

Ion Ratio Lower Upper

77 100

97 13.1 7.2 21.6





#27

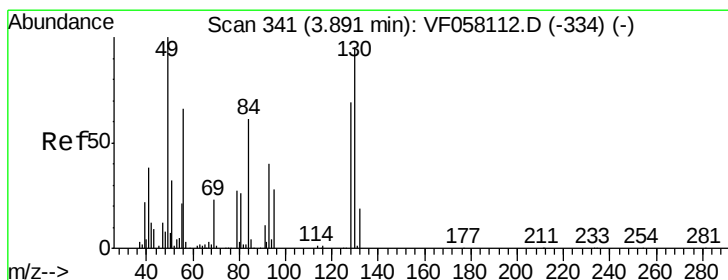
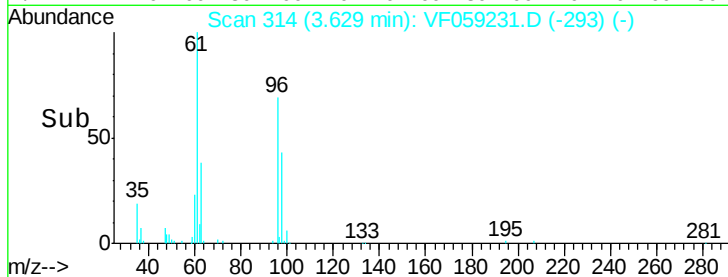
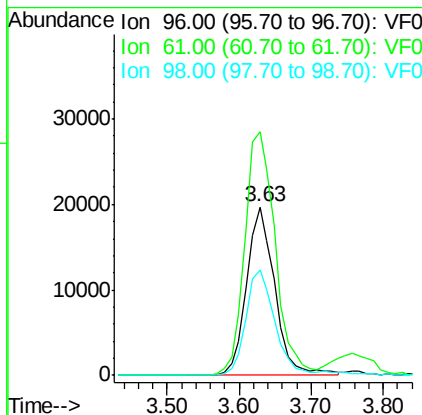
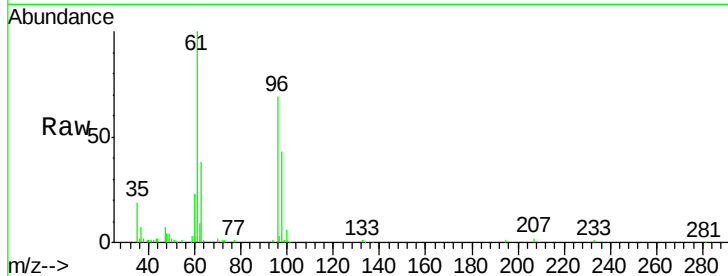
cis-1,2-Dichloroethene
Concen: 18.93 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54039		
61	144.6	0.0	278.6	
98	62.7	0.0	125.2	

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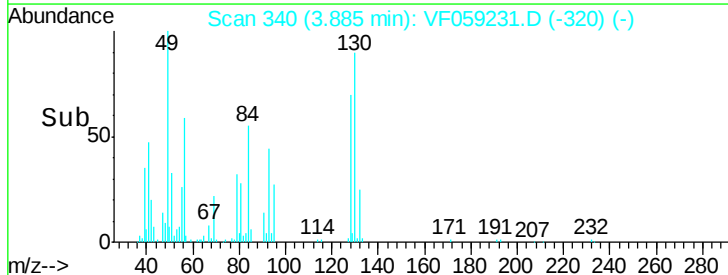
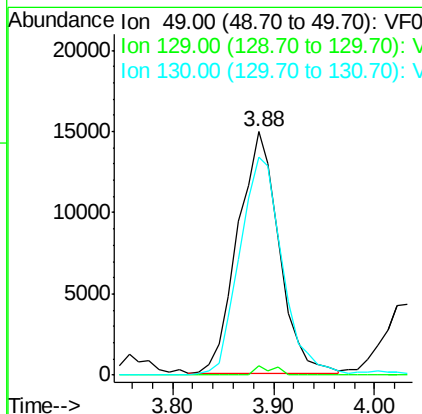
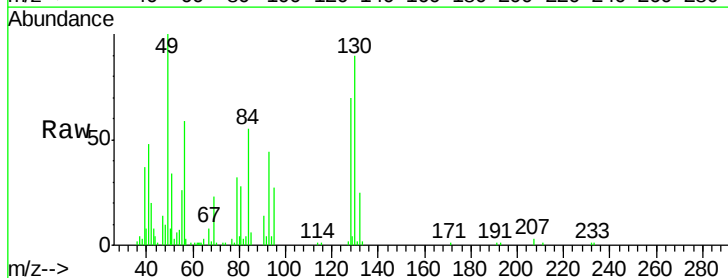
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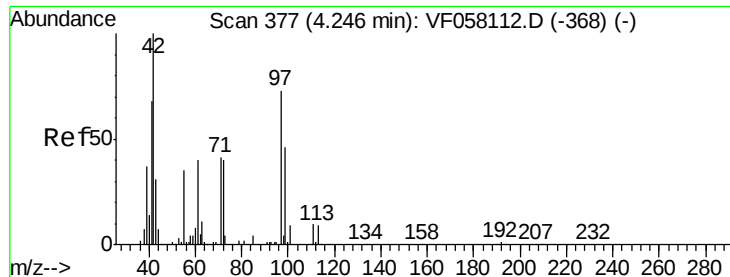


#28

Bromochloromethane
Concen: 23.87 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42503		
129	3.6	0.0	0.0#	
130	89.6	75.8	113.8	





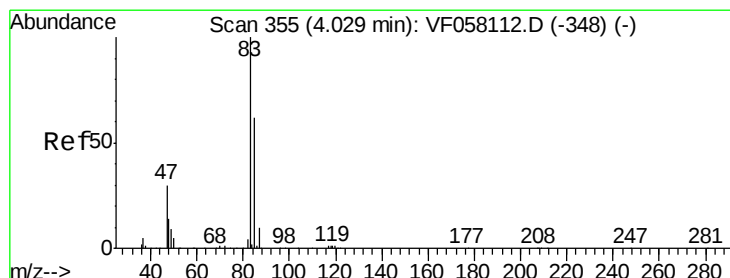
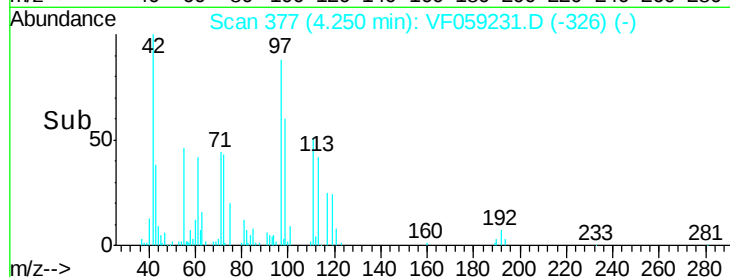
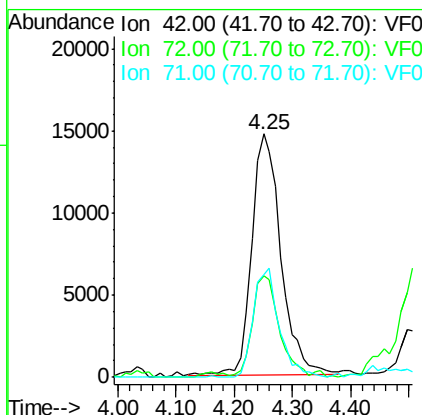
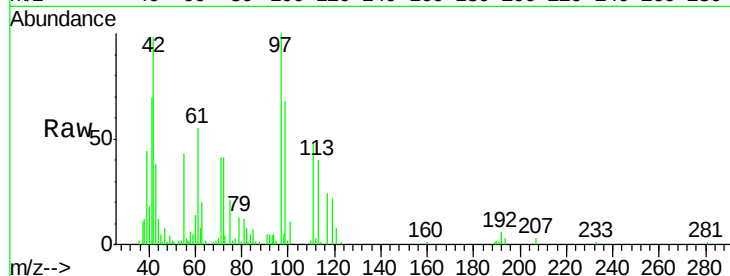
#29
Tetrahydrofuran
Concen: 101.24 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	30.5	45.7
71	39.9	31.5	47.3

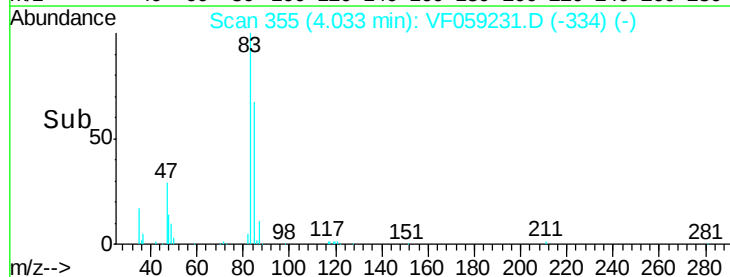
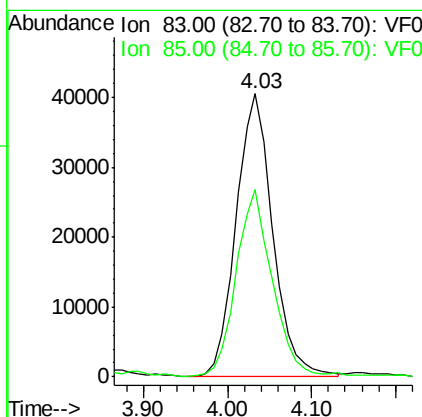
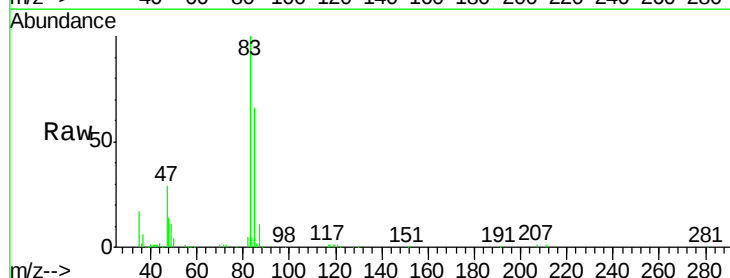
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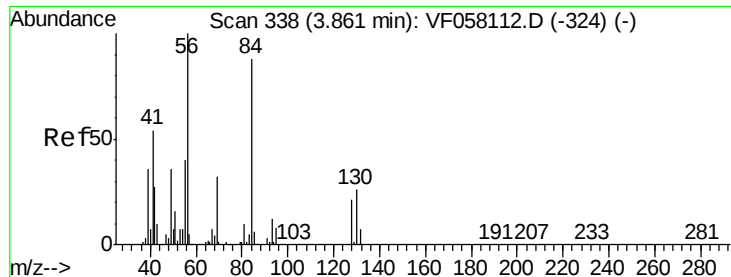
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#30
Chloroform
Concen: 21.81 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.5	74.3





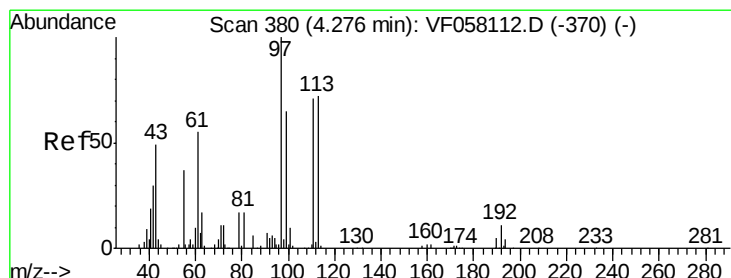
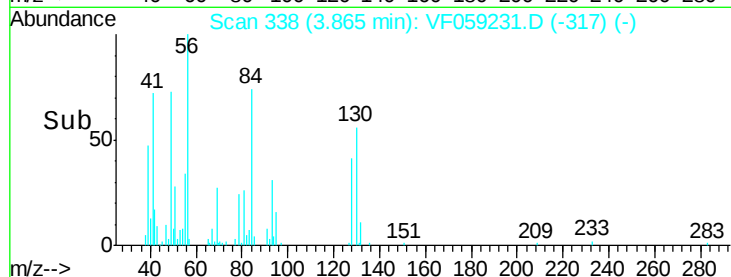
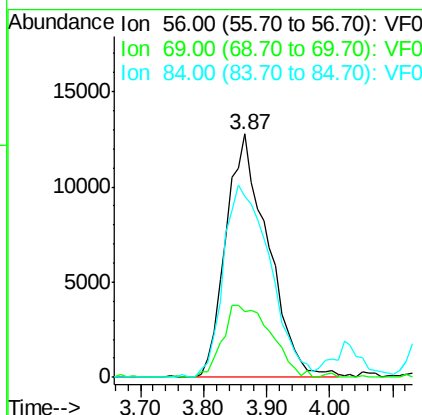
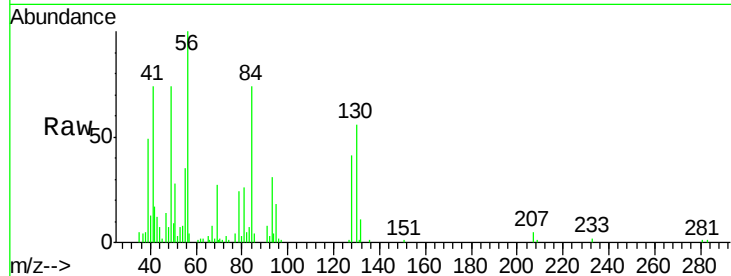
#31
Cyclohexane
Concen: 17.10 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.8	25.9	38.9
84	74.4	70.3	105.5

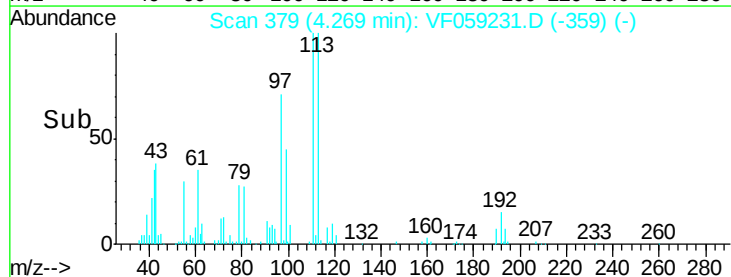
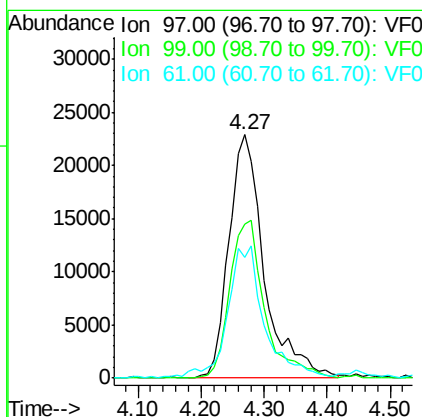
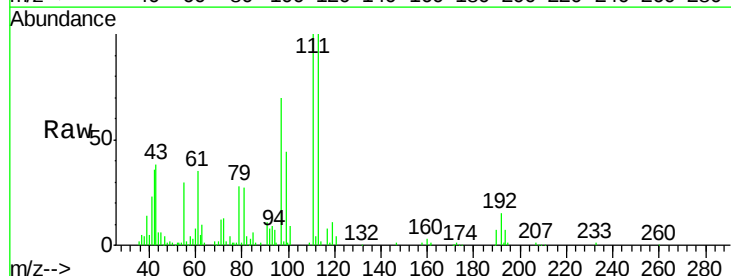
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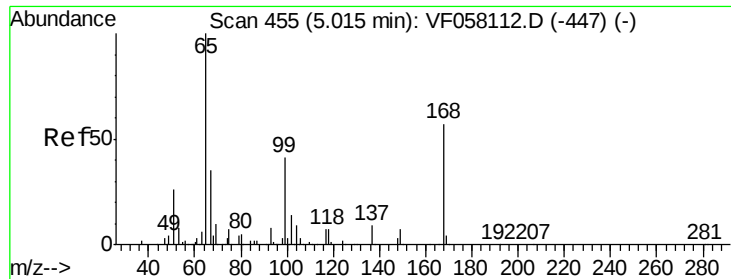
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#32
1,1,1-Trichloroethane
Concen: 21.03 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.0	78.0
61	49.6	44.3	66.5





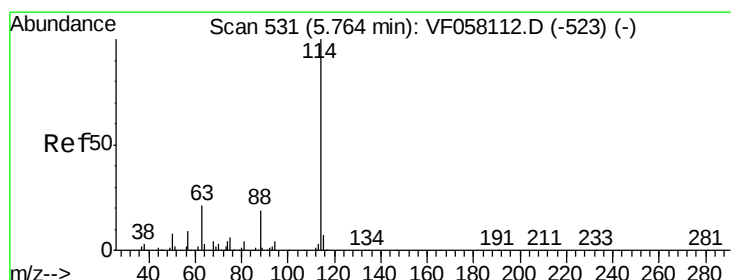
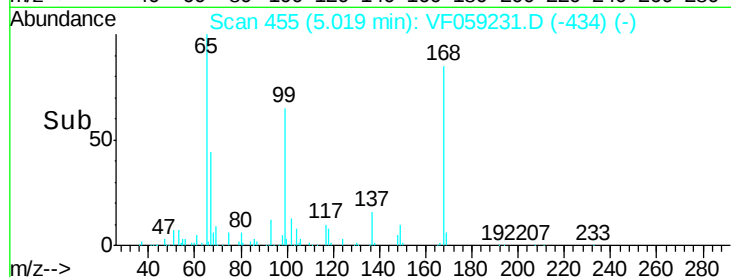
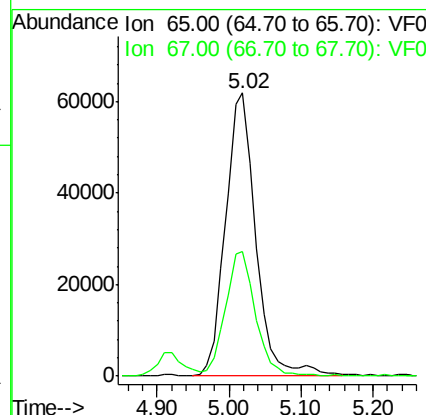
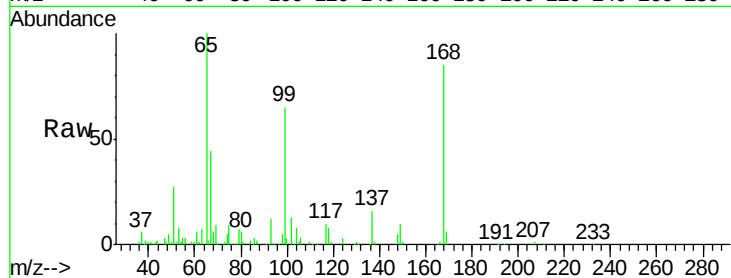
#33
 1,2-Dichloroethane-d4
 Concen: 58.00 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180586		
67	44.1	0.0	97.0	

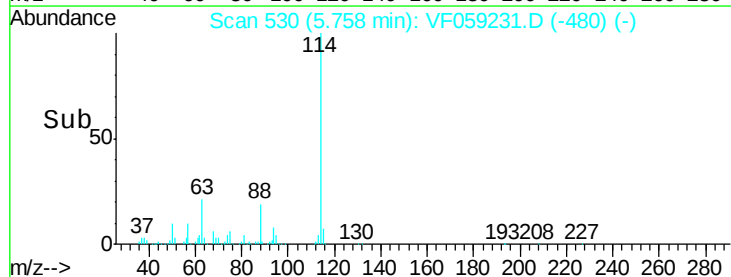
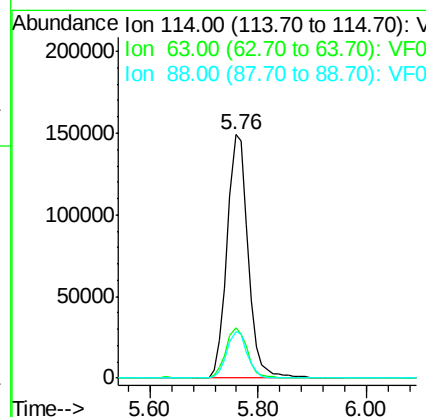
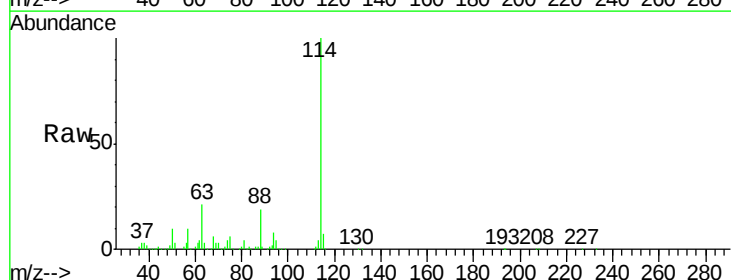
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401007		
63	20.9	0.0	41.6	
88	19.1	0.0	38.8	





#35

Dibromofluoromethane

Concen: 54.31 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

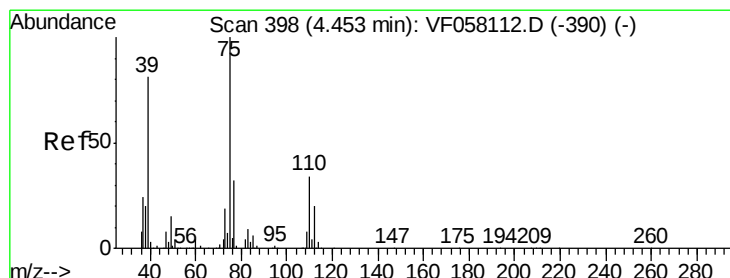
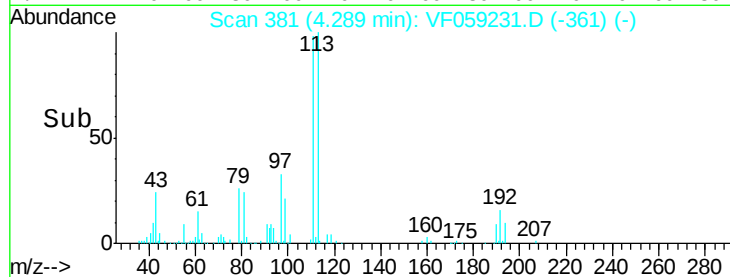
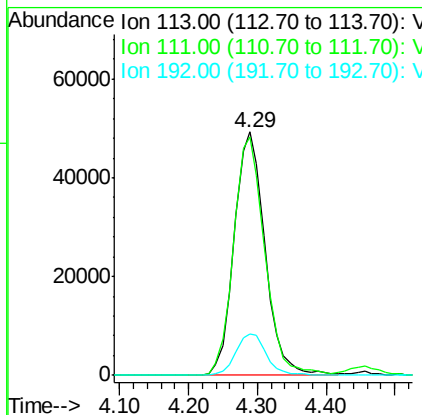
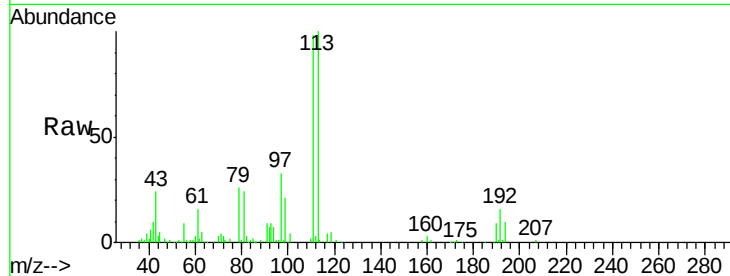
ClientSampleId :

VF0620SBS01

Tot Ion:	113	Resp:	152817
Ion Ratio	Lower	Upper	
113	100		
111	98.2	81.3	121.9
192	17.1	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 20.54 ug/l

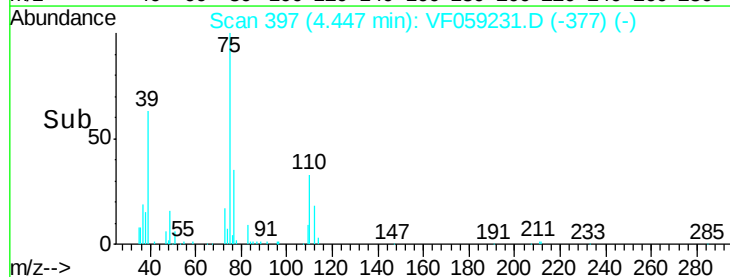
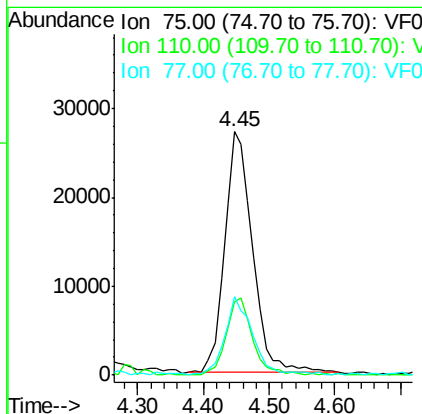
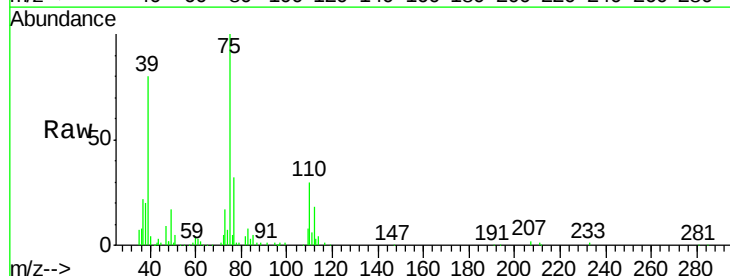
RT: 4.45 min Scan# 397

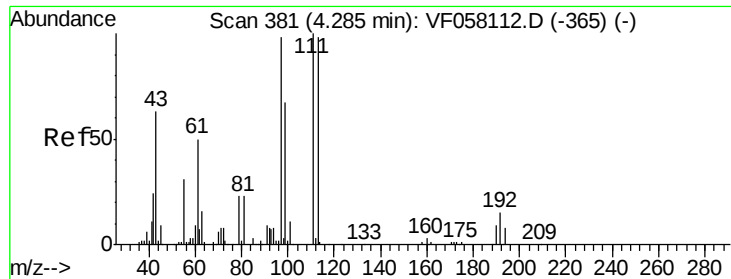
Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	75	Resp:	79840
Ion Ratio	Lower	Upper	
75	100		
110	30.0	17.0	50.9
77	32.3	25.3	37.9





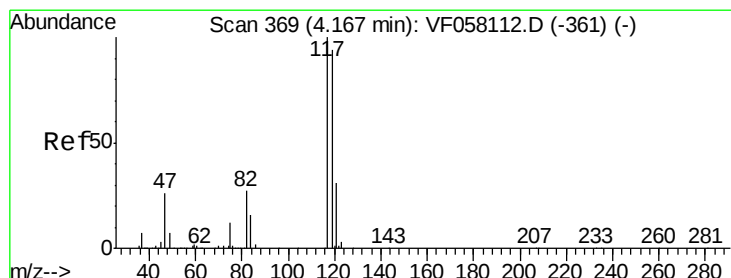
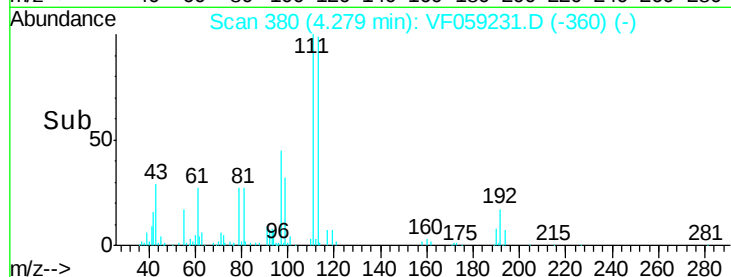
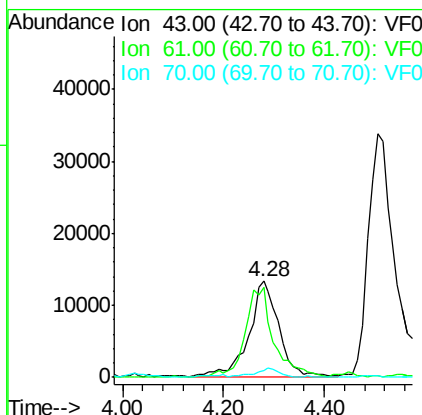
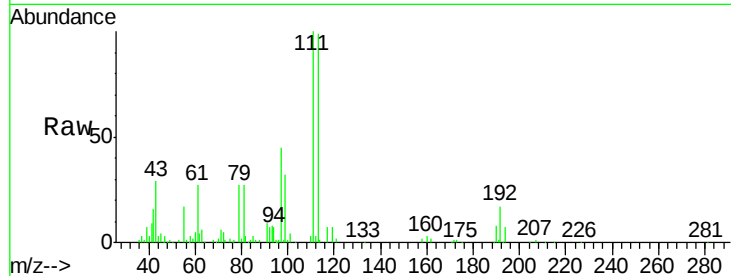
#37
Ethyl Acetate
Concen: 22.62 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	93.2	63.0	94.4
70	7.6	7.5	11.3

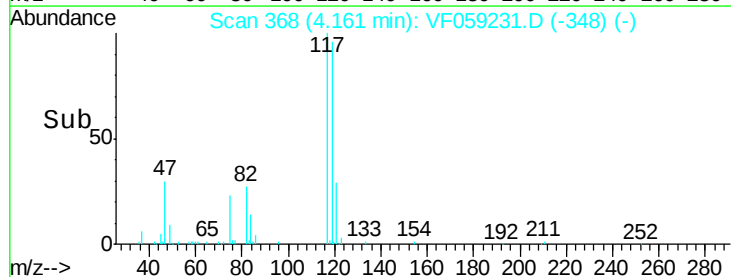
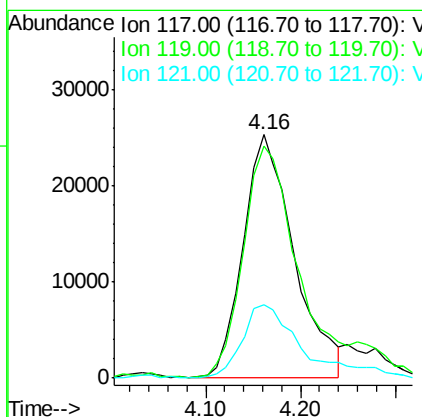
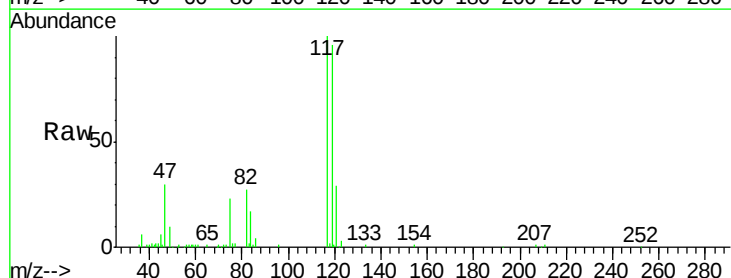
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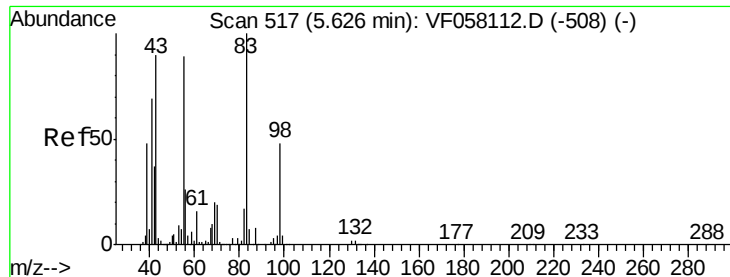
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#38
Carbon Tetrachloride
Concen: 22.54 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.7	113.5
121	29.4	24.8	37.2





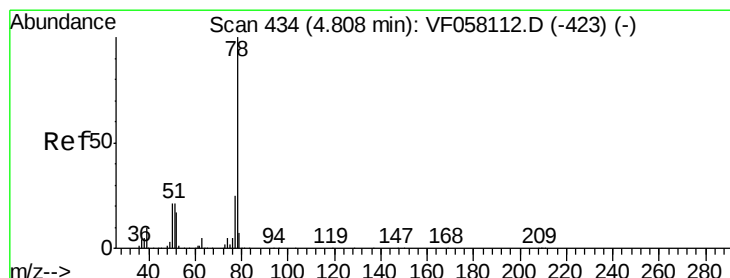
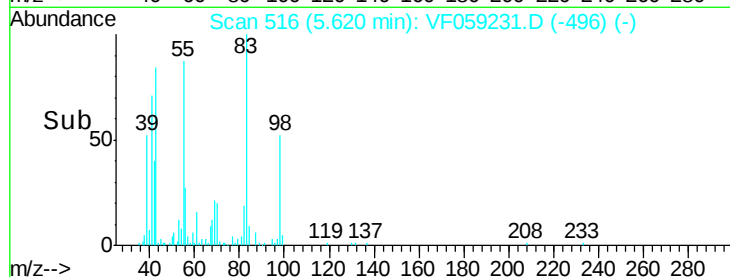
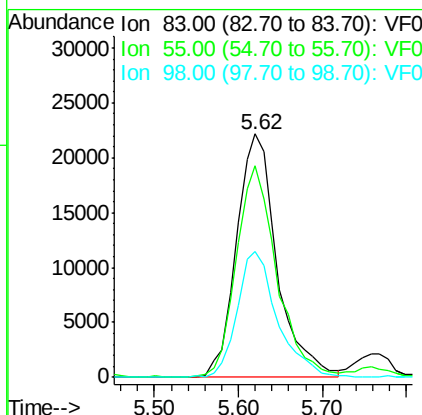
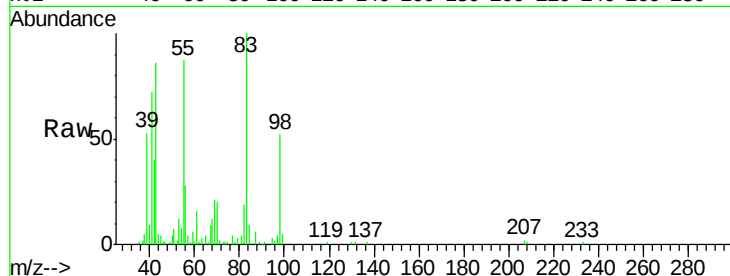
#39
Methvlcvclohexane
Concen: 18.79 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	71.0	106.4
98	51.5	38.1	57.1

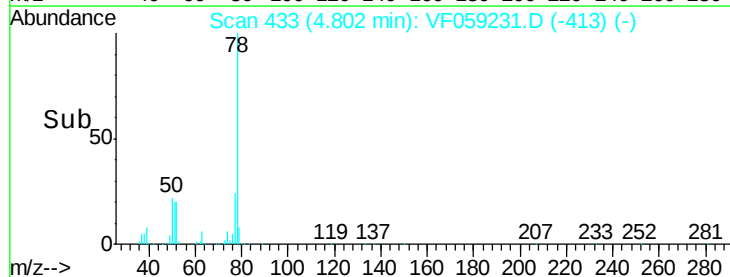
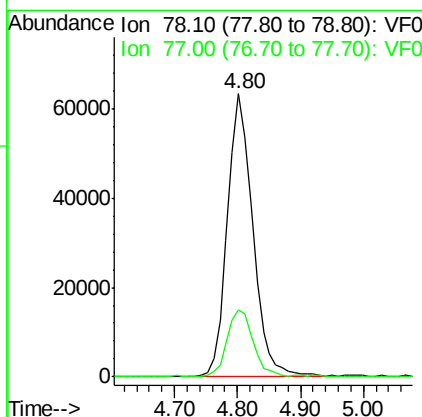
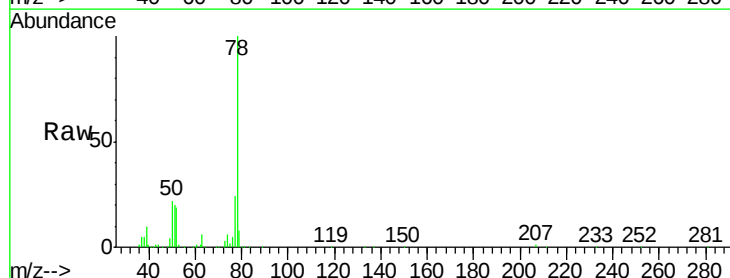
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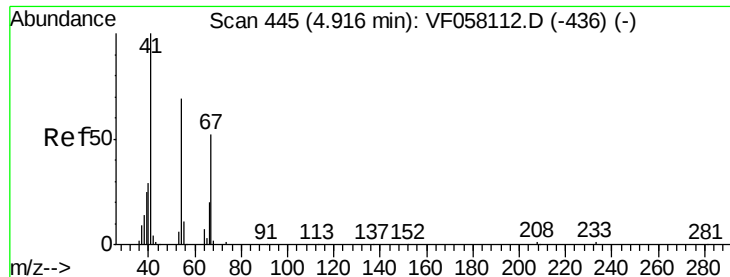
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#40
Benzene
Concen: 19.67 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.2	30.2





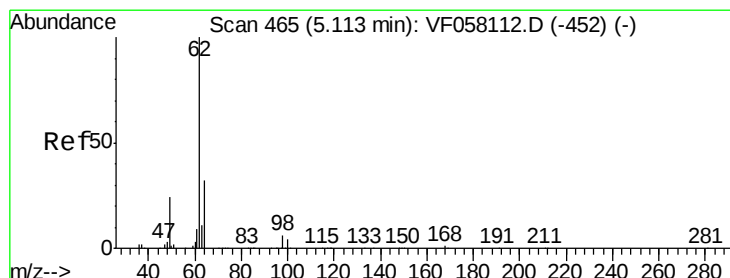
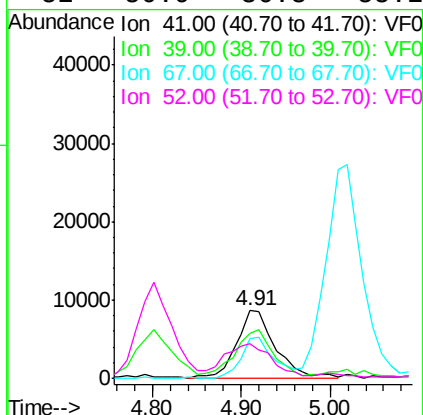
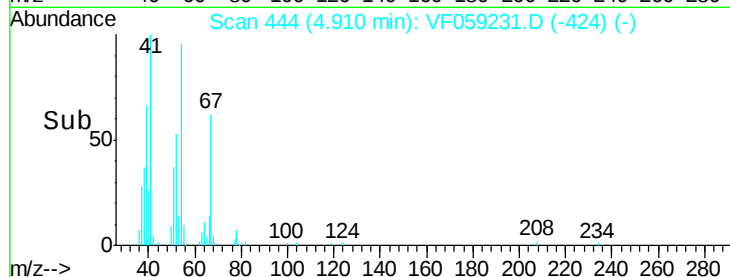
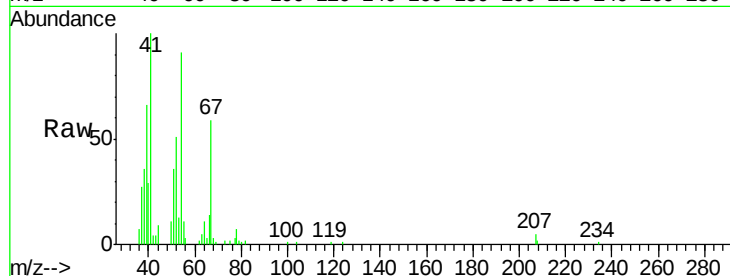
#41
Methacrylonitrile
Concen: 22.18 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.4	53.0	79.4
67	59.4	41.0	61.6
52	50.9	36.8	55.2

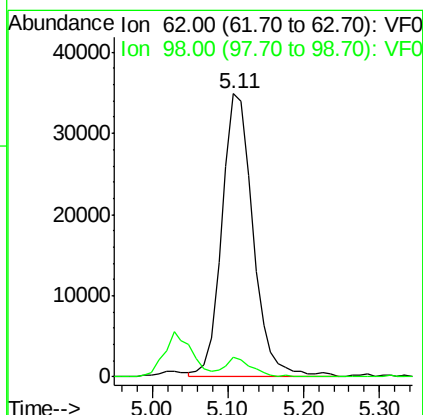
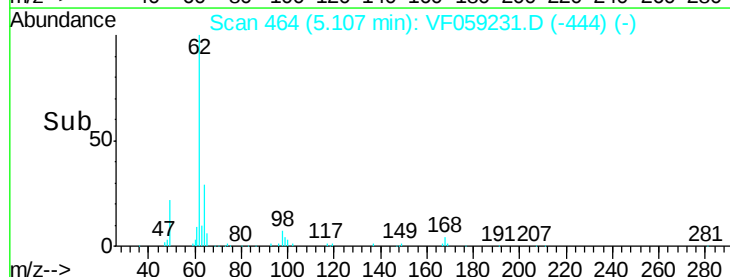
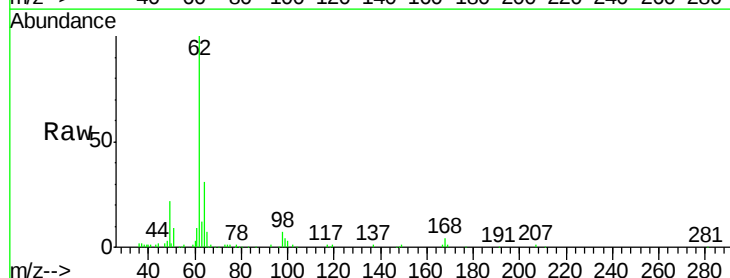
Manual Integrations
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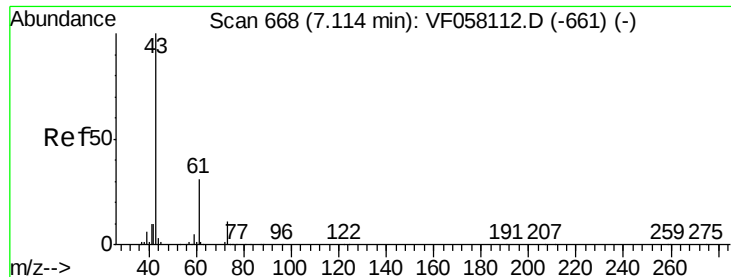
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#42
1,2-Dichloroethane
Concen: 24.69 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	11.8





#43

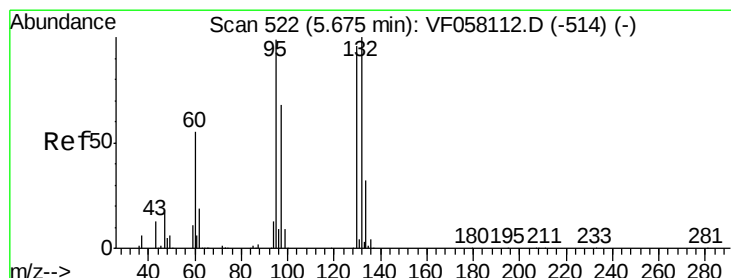
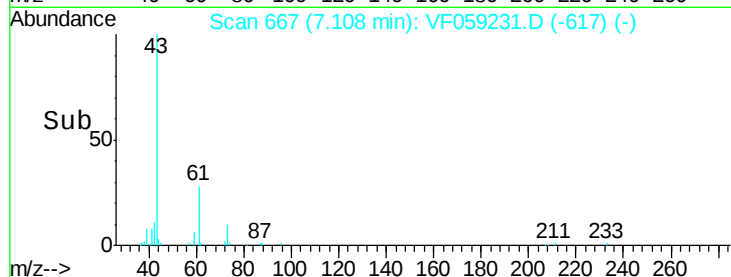
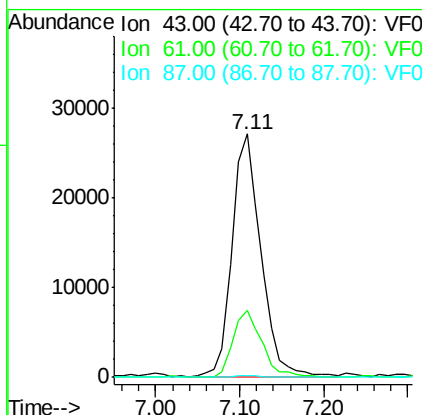
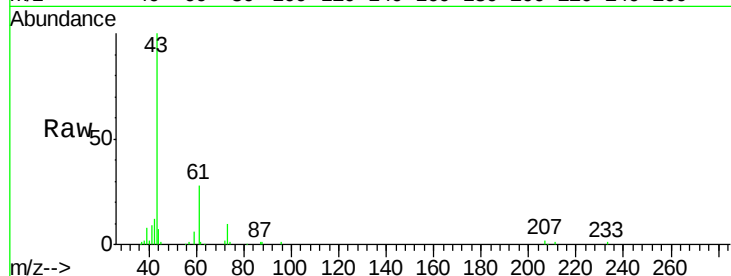
Isopropyl Acetate
 Concen: 19.99 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	25.1	37.7
87	0.7	0.2	0.4

Manual Integrations
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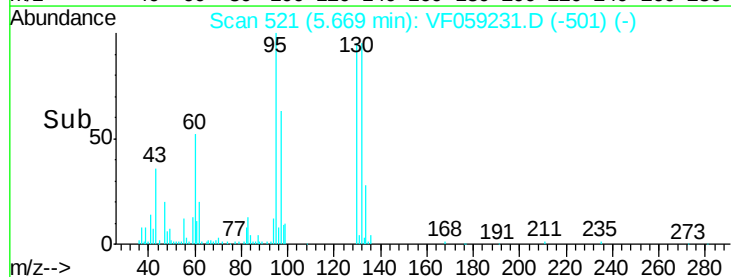
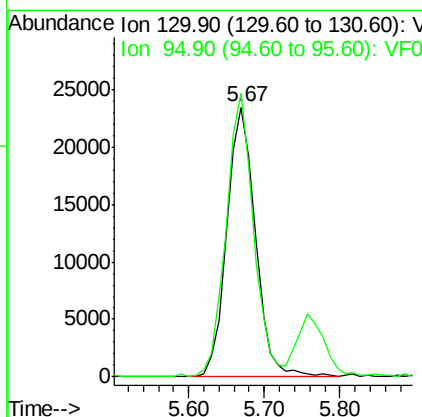
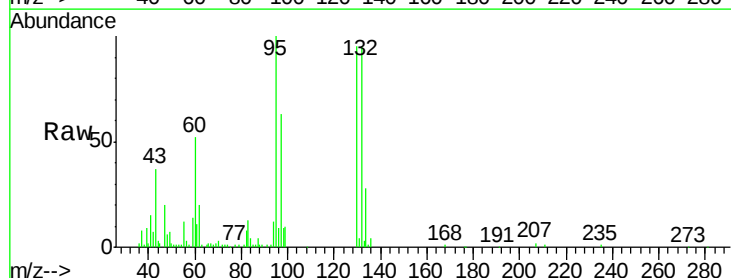
apatel
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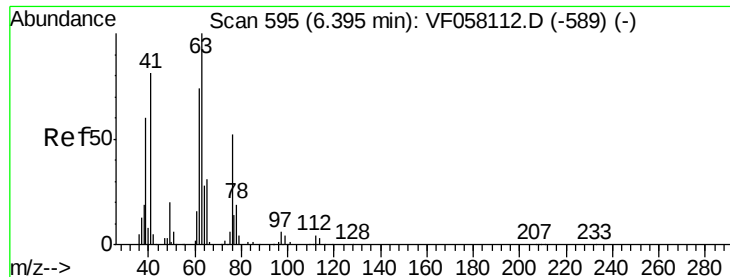


#44

Trichloroethene
 Concen: 21.68 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	206.8





#45

1,2-Dichloropropane

Concen: 19.26 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 63 Resp: 50091

Ion Ratio Lower Upper

63 100

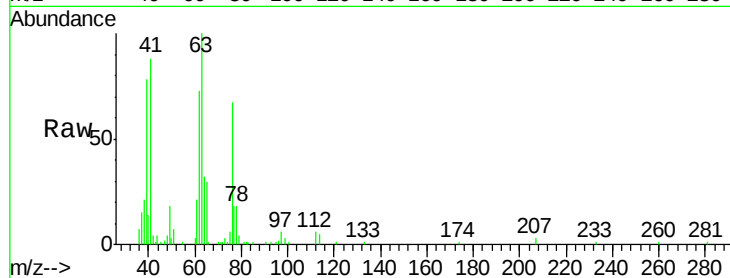
65 29.7 24.6 37.0

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

20000

15000

10000

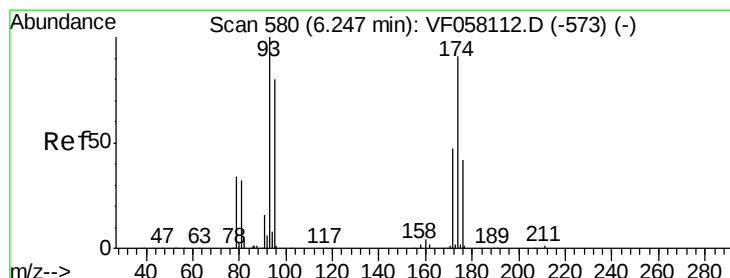
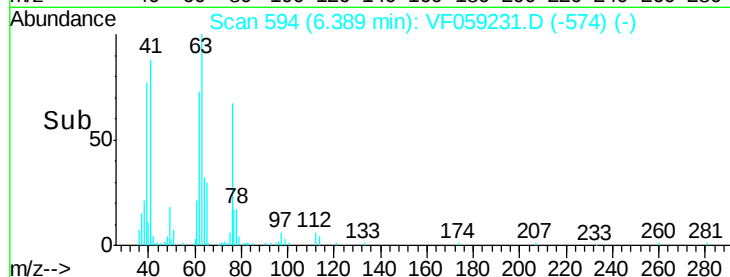
5000

0

6.39

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 21.57 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

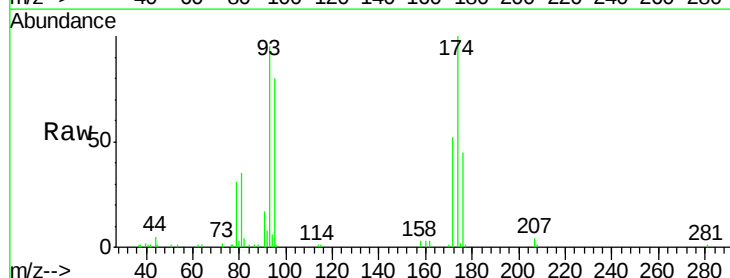
Tgt Ion: 93 Resp: 42220

Ion Ratio Lower Upper

93 100

95 84.7 64.2 96.4

174 105.4 72.7 109.1



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

20000

15000

10000

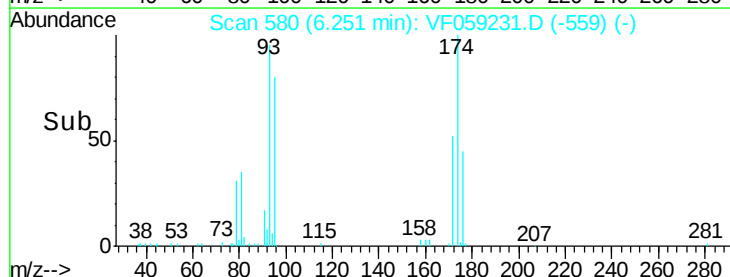
5000

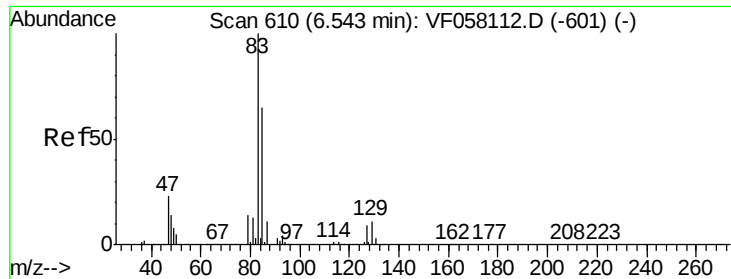
0

6.25

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 22.75 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

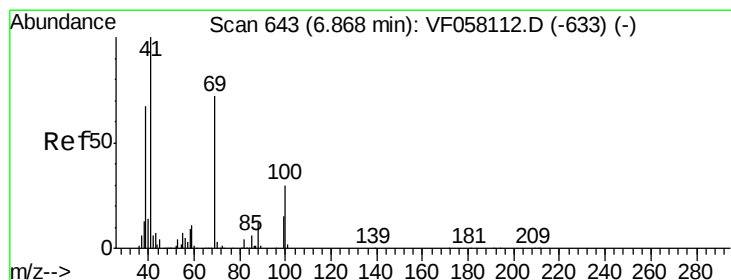
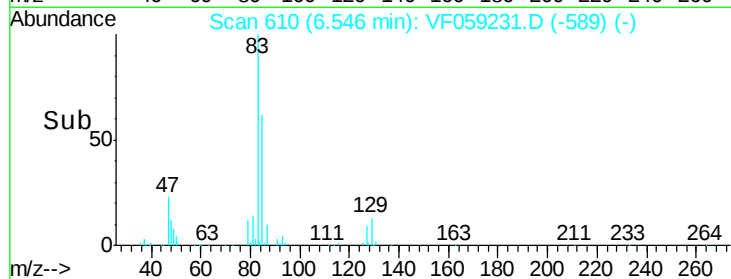
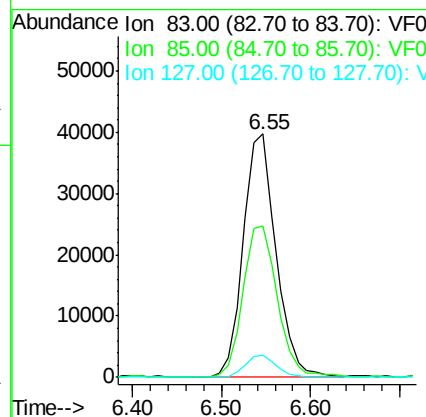
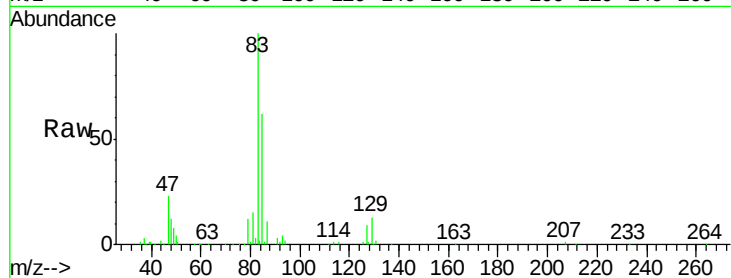
ClientSampleId :

VF0620SBS01

Tot Ion:	83	Resp:	101316
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4
127	10.3	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.65 ug/l

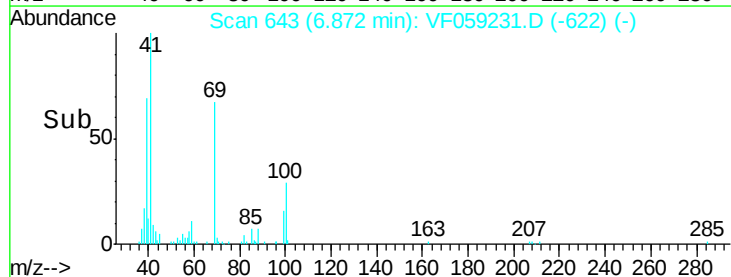
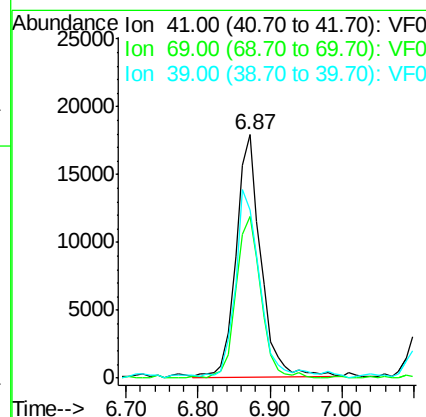
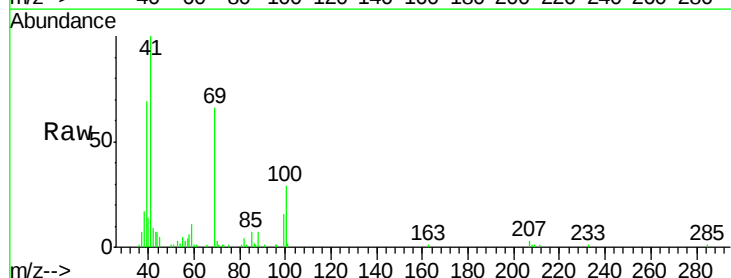
RT: 6.87 min Scan# 643

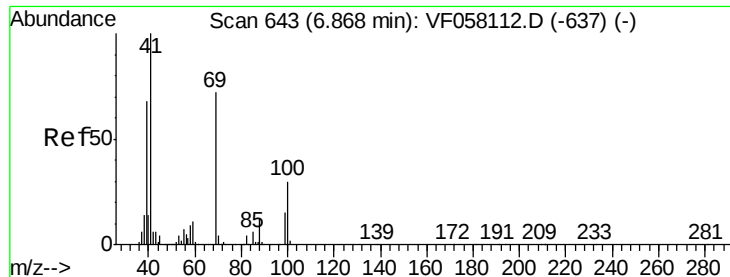
Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	41	Resp:	42921
Ion	Ratio	Lower	Upper
41	100		
69	66.5	57.2	85.8
39	68.8	54.3	81.5





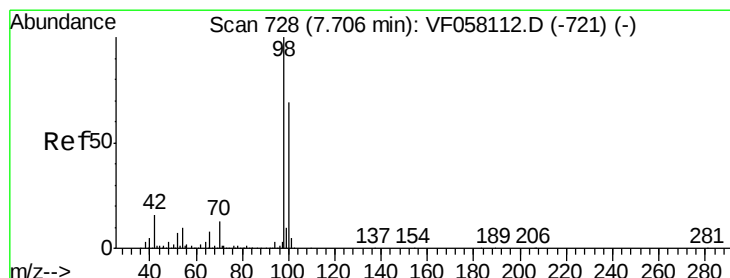
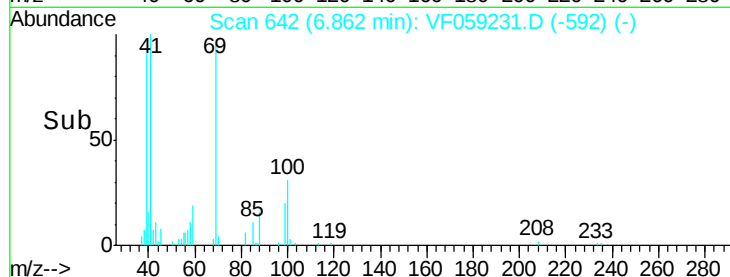
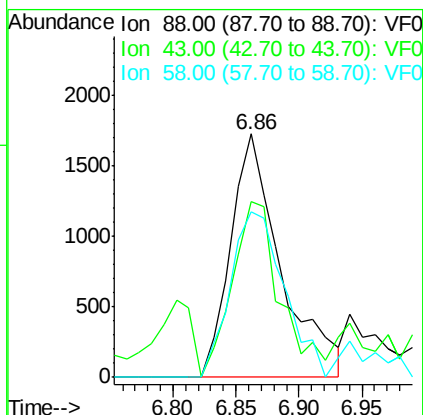
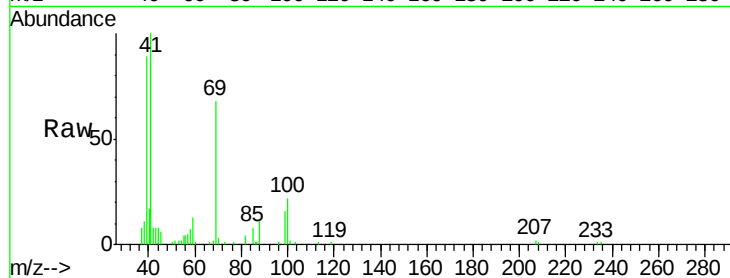
#49
1,4-Dioxane
Concen: 315.78 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	72.1	47.8	71.8#
58	67.8	59.4	89.0

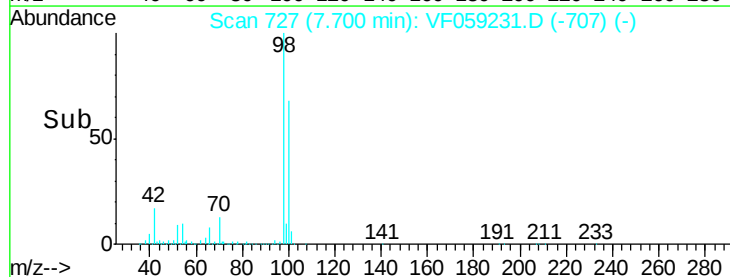
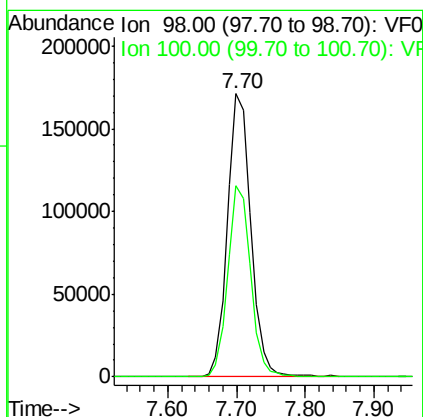
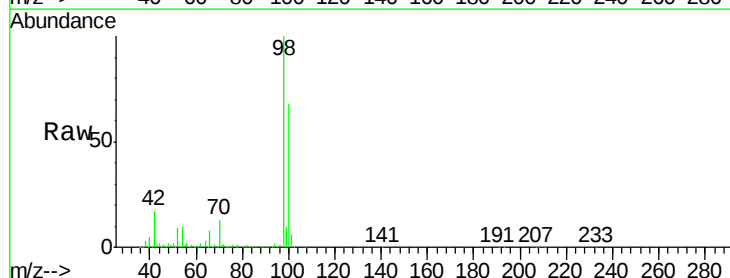
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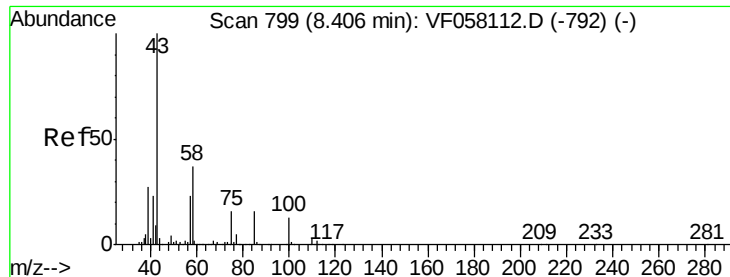
apatel
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#50
Toluene-d8
Concen: 48.85 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 112.75 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 43 Resp: 248565

Ion Ratio Lower Upper

43 100

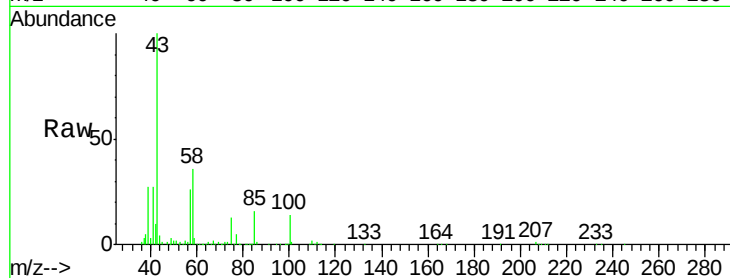
58 36.3 29.4 44.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

100000

80000

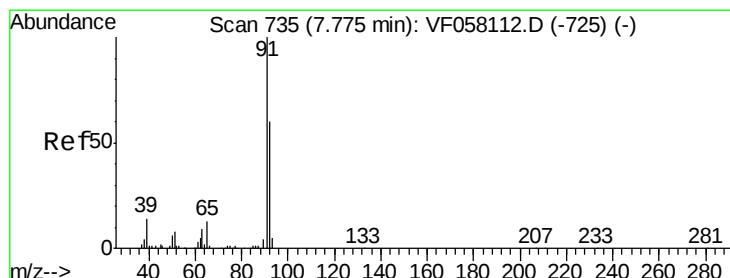
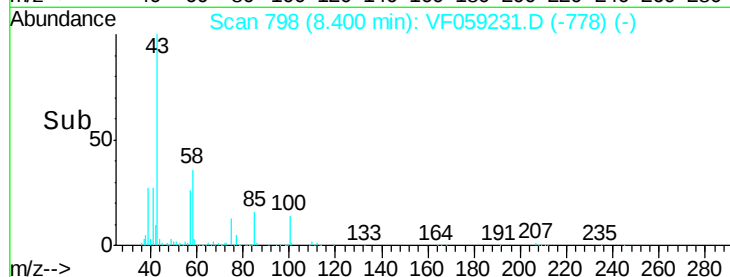
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.40 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059231.D

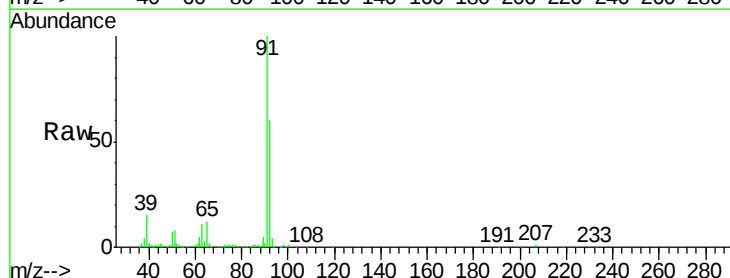
Acq: 20 Jun 2018 17:45

Tgt Ion: 92 Resp: 126082

Ion Ratio Lower Upper

92 100

91 167.1 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

100000

80000

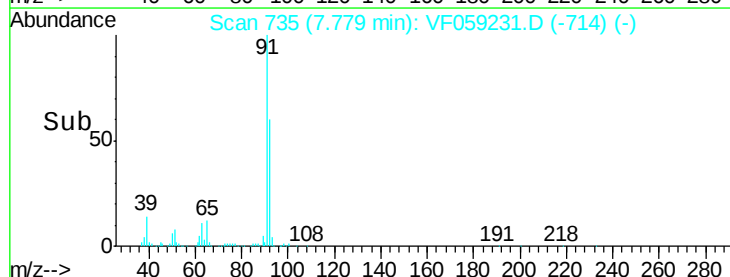
60000

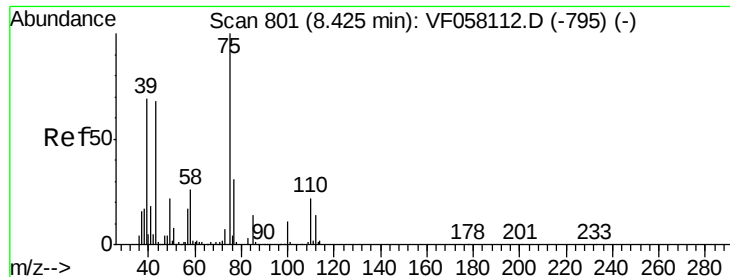
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.63 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tot Ion: 75 Resp: 93289

Ion Ratio Lower Upper

75 100

77 29.3 25.1 37.7

Instrument :

MSVOA_F

ClientSampleId :

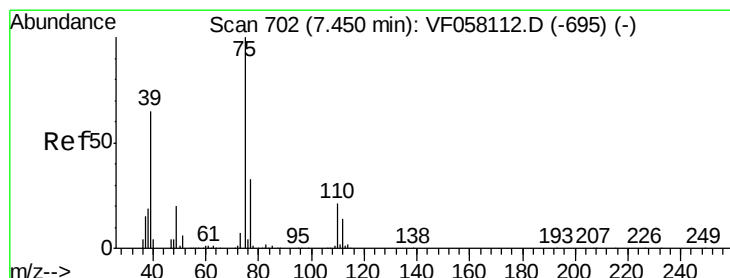
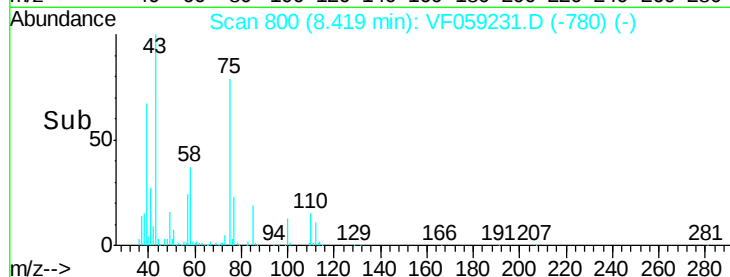
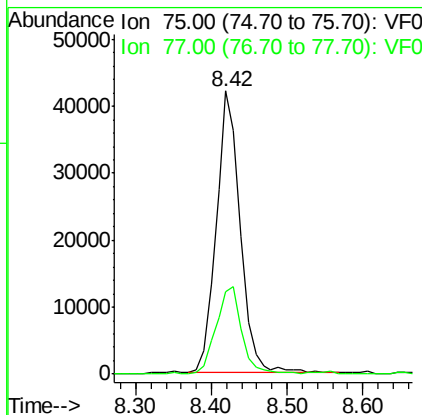
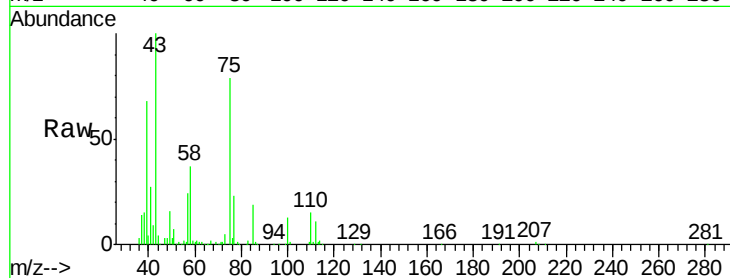
VF0620SBS01

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#54

cis-1,3-Dichloropropene

Concen: 20.42 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

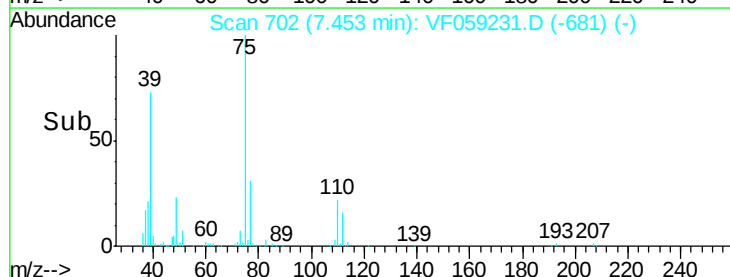
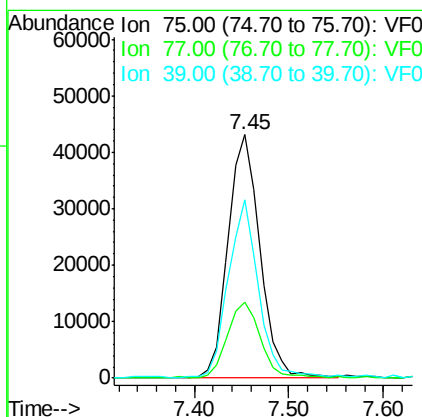
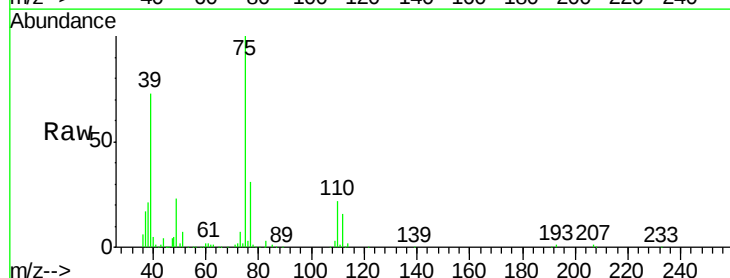
Tgt Ion: 75 Resp: 101170

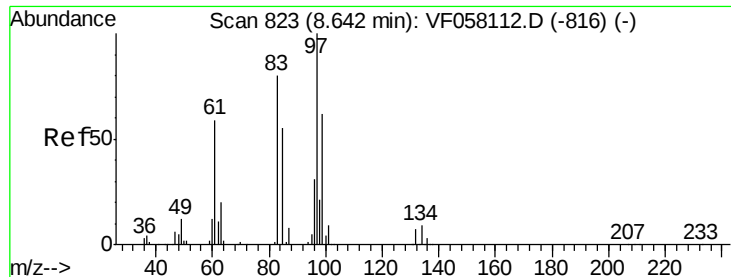
Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5

39 73.0 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 21.65 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

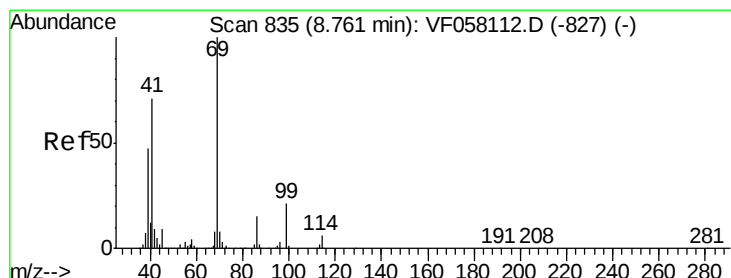
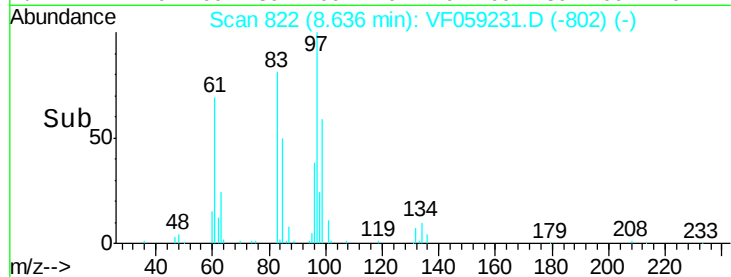
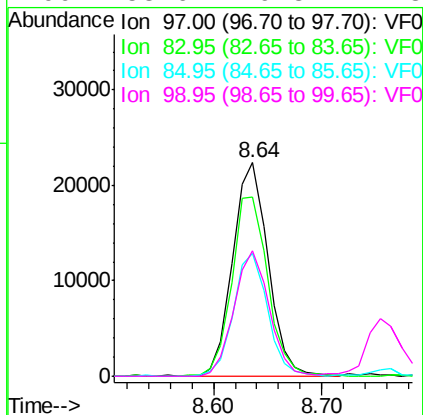
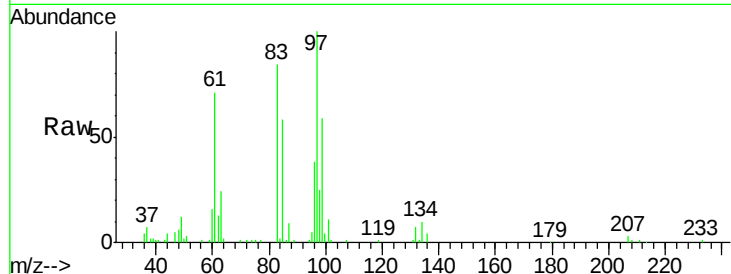
ClientSampleId :

VF0620SBS01

Tot Ion:	97	Resp:	50976
Ion	Ratio	Lower	Upper
97	100		
83	83.7	64.3	96.5
85	57.6	43.8	65.8
99	58.6	49.8	74.8

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#56

Ethyl methacrylate

Concen: 20.79 ug/l

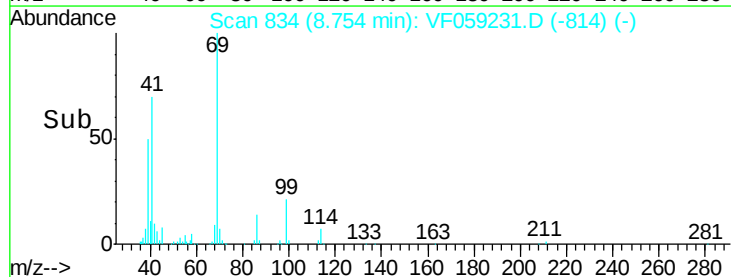
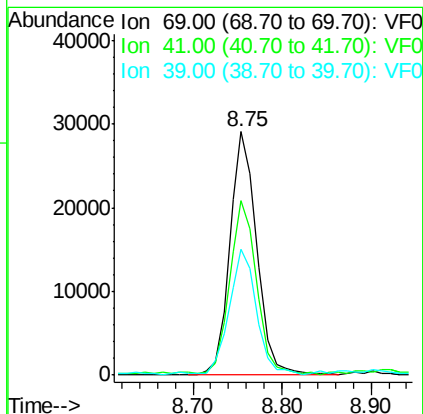
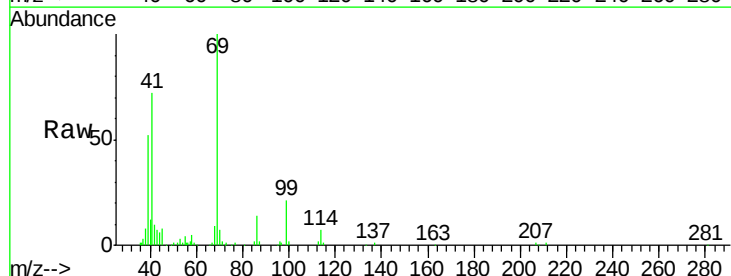
RT: 8.75 min Scan# 834

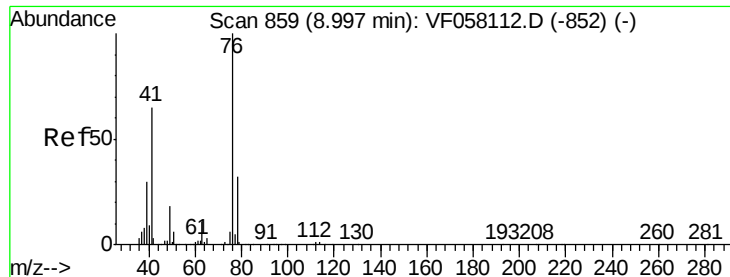
Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	69	Resp:	61701
Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.9	85.3
39	51.6	38.0	57.0





#57

1,3-Dichloropropane

Concen: 21.46 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 76 Resp: 86426

Ion Ratio Lower Upper

76 100

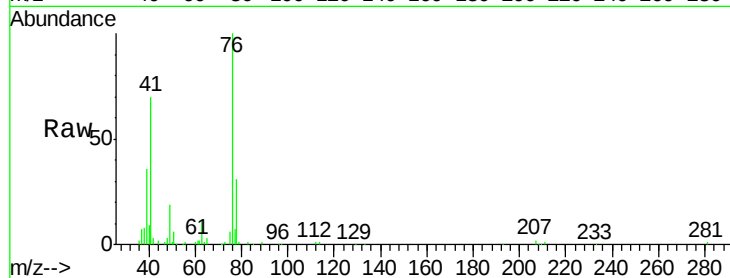
78 31.0 25.8 38.6

Manual Integrations

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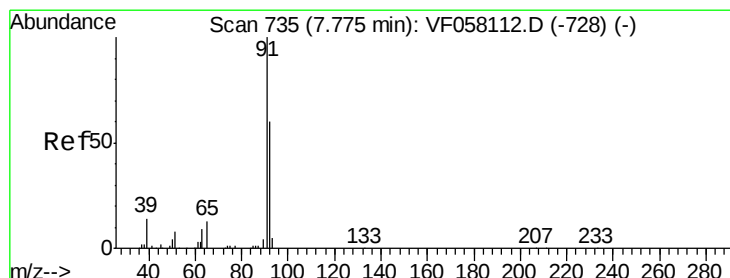
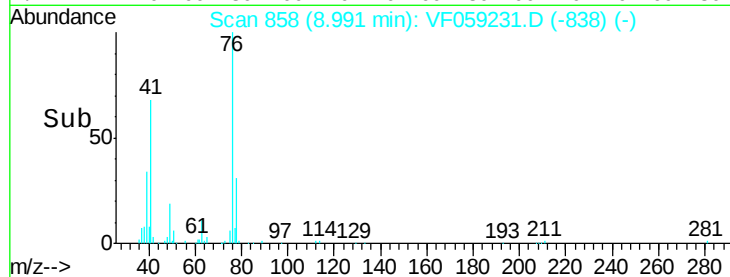
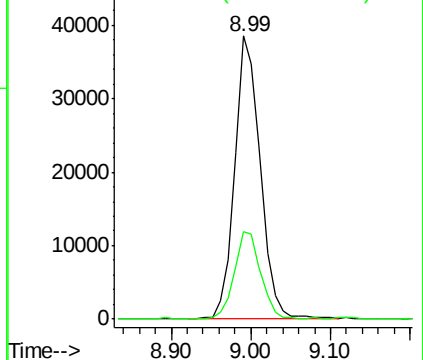
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 111.29 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059231.D

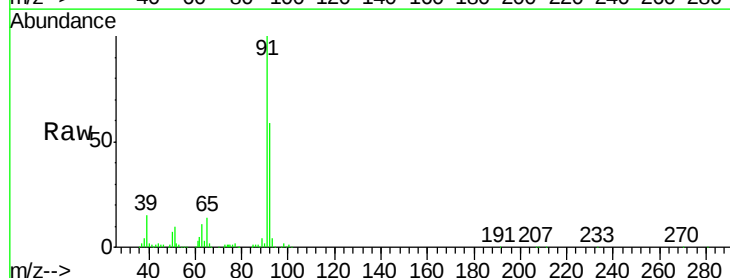
Acq: 20 Jun 2018 17:45

Tgt Ion: 63 Resp: 23620

Ion Ratio Lower Upper

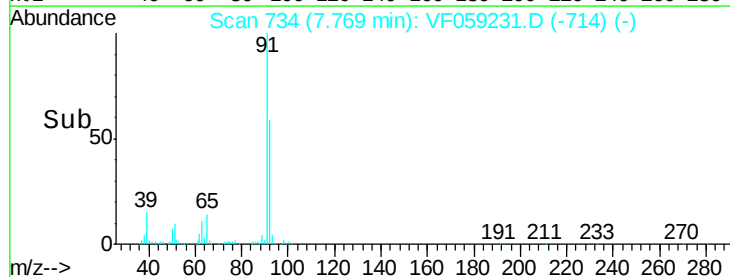
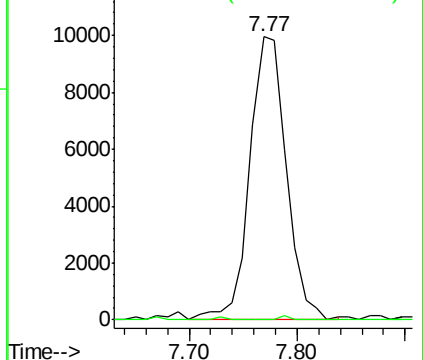
63 100

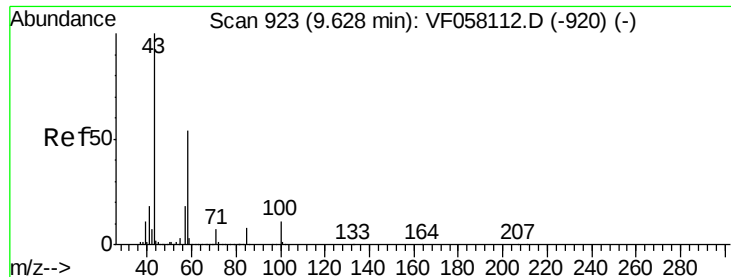
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





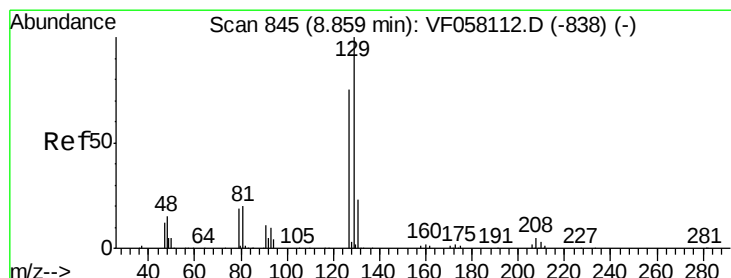
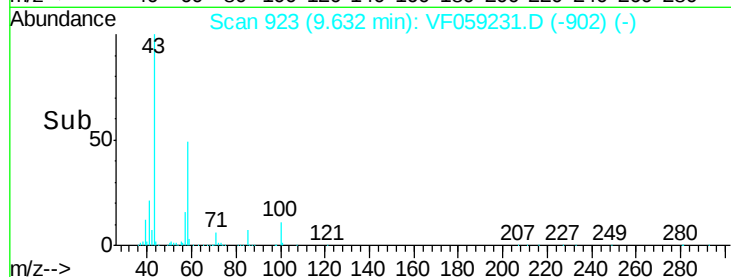
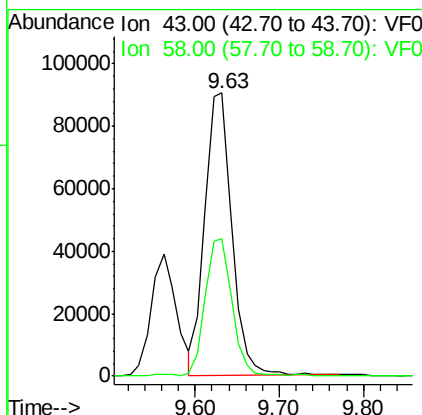
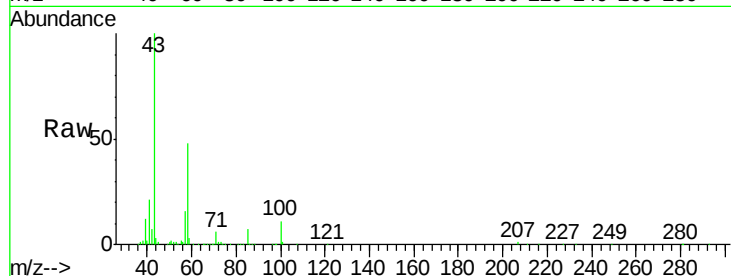
#59
2-Hexanone
Concen: 115.45 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	43	Resp	201320
Ion Ratio	Lower	Upper	
43	100		
58	48.4	26.3	78.8

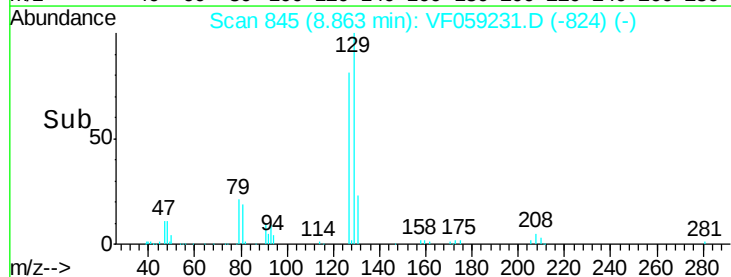
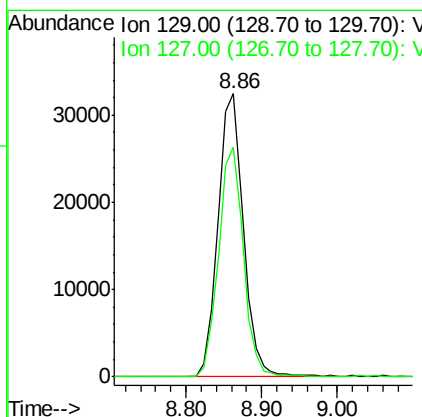
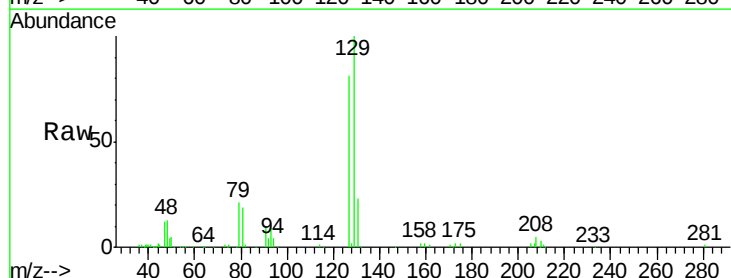
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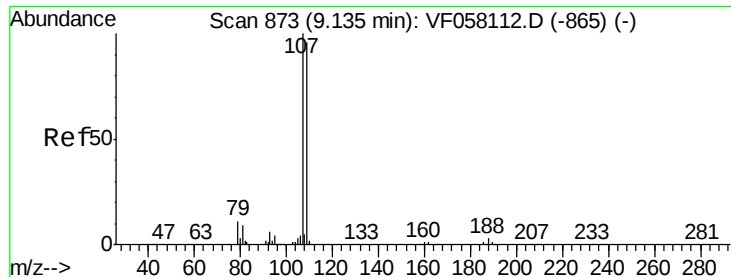
apatel
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#60
Dibromochloromethane
Concen: 22.45 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	129	Resp	75984
Ion Ratio	Lower	Upper	
129	100		
127	81.1	37.6	112.9





#61

1,2-Dibromoethane

Concen: 22.26 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:107 Resp: 60898

Ion Ratio Lower Upper

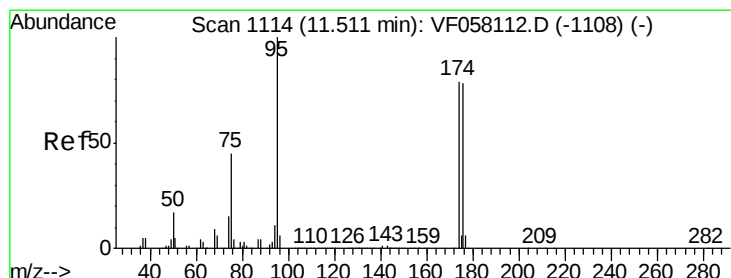
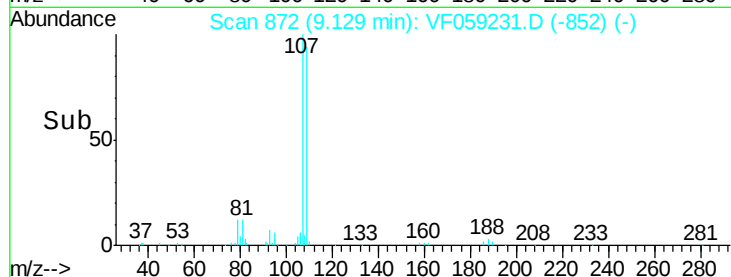
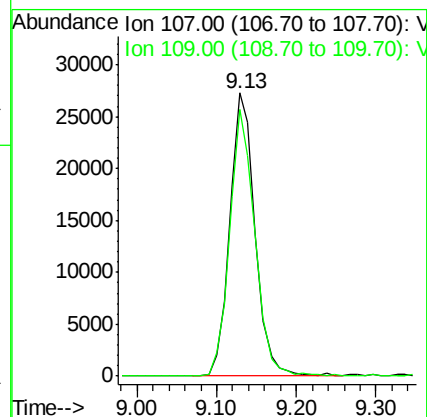
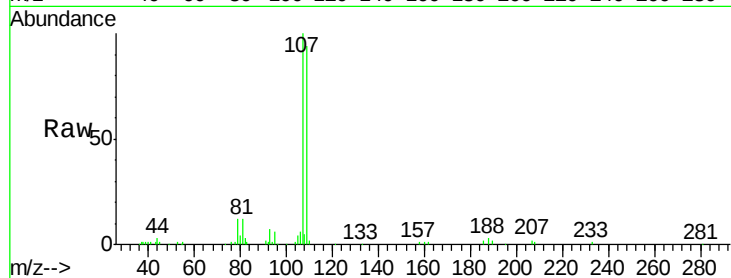
107 100

109 94.5 76.6 115.0

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#62

4-Bromofluorobenzene

Concen: 51.48 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

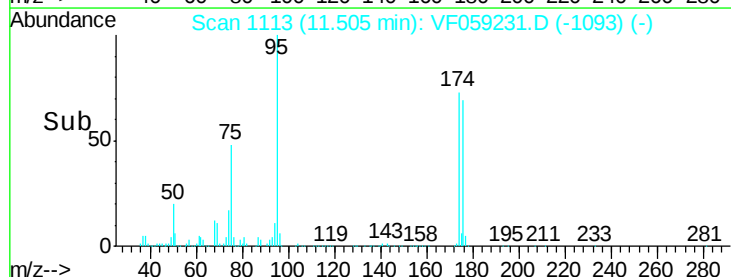
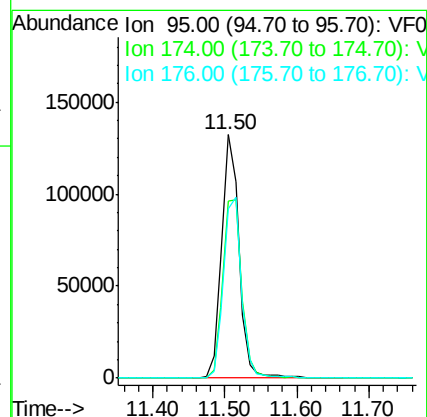
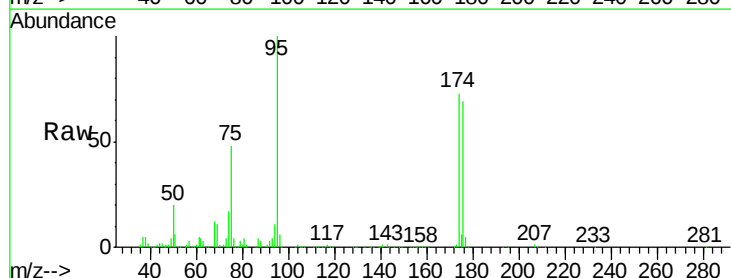
Tgt Ion: 95 Resp: 218282

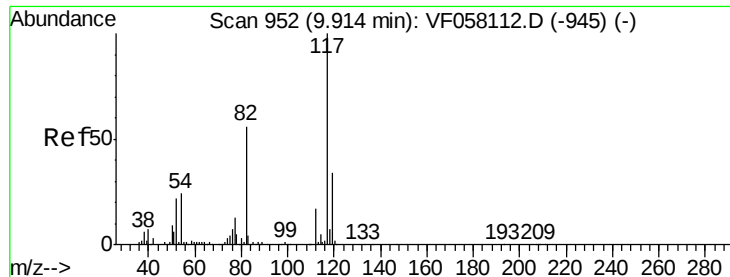
Ion Ratio Lower Upper

95 100

174 72.8 0.0 157.8

176 69.4 0.0 155.8





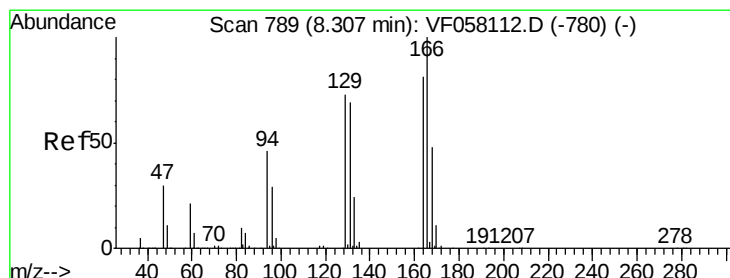
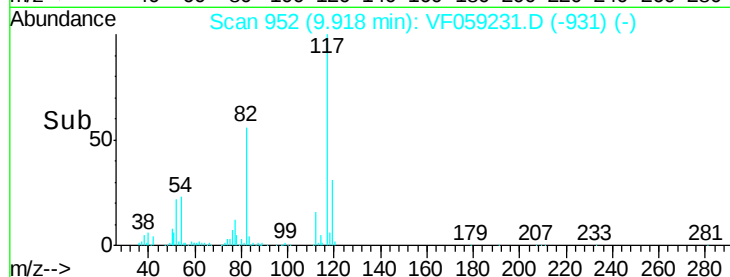
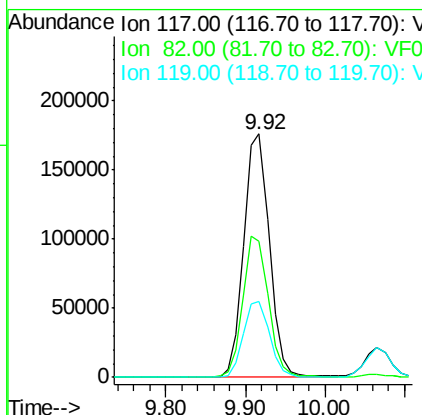
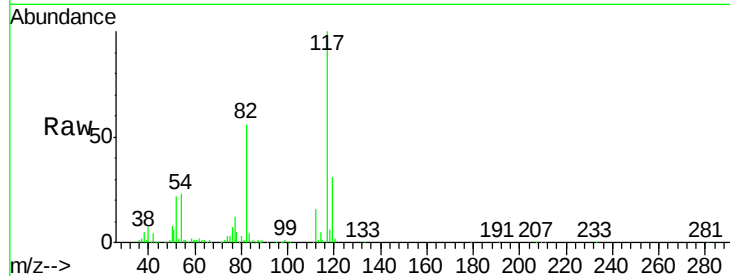
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	391453		
82	56.1		45.2	67.8
119	31.4		27.5	41.3

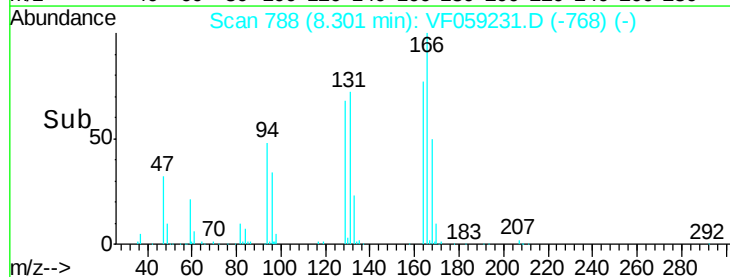
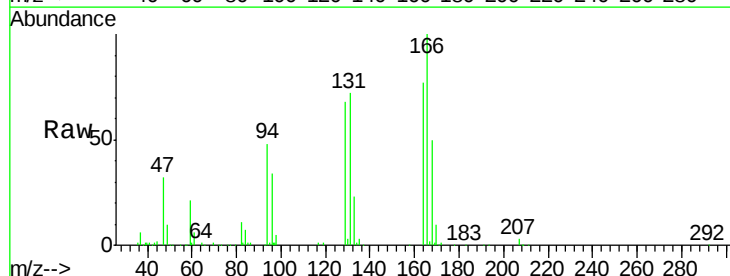
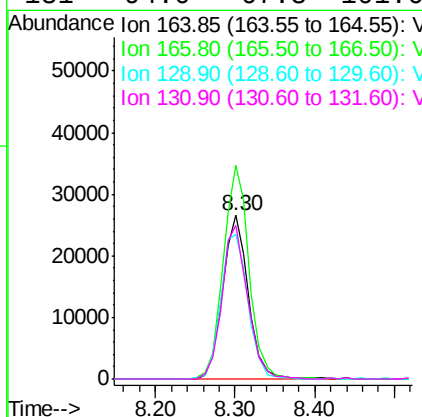
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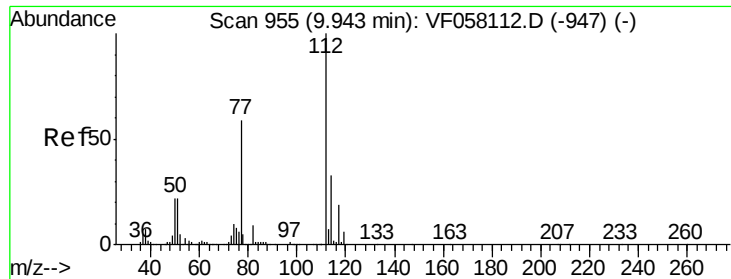
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#64
Tetrachloroethene
Concen: 20.94 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60114		
166	130.5		98.2	147.4
129	88.7		71.6	107.4
131	94.0		67.8	101.6





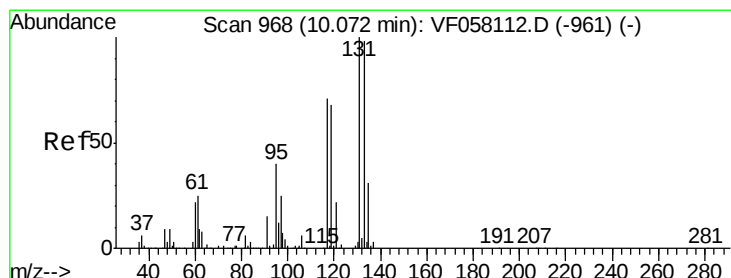
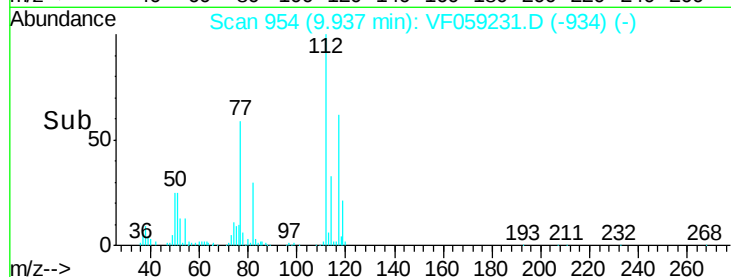
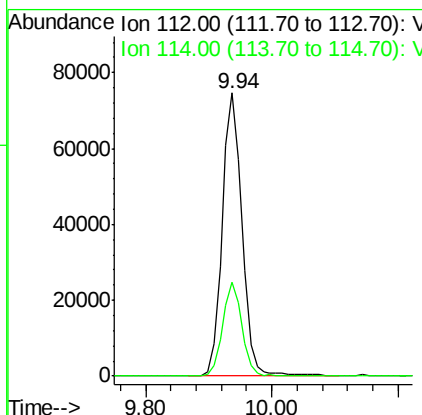
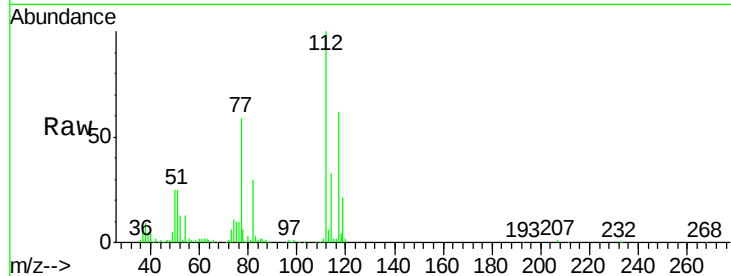
#65
Chlorobenzene
Concen: 21.07 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion:112 Resp: 163352
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.4

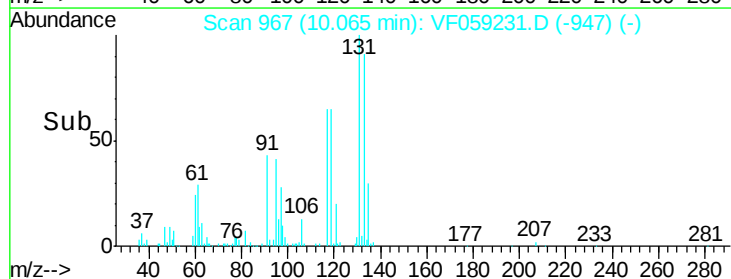
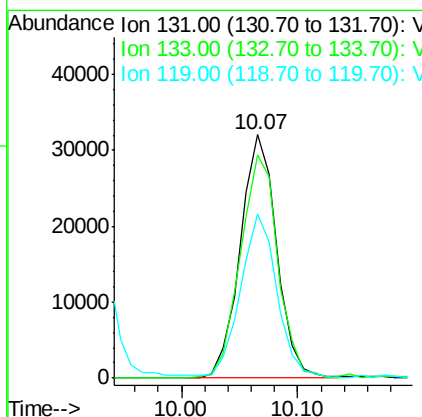
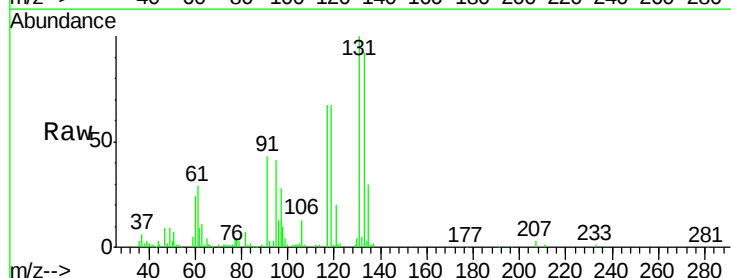
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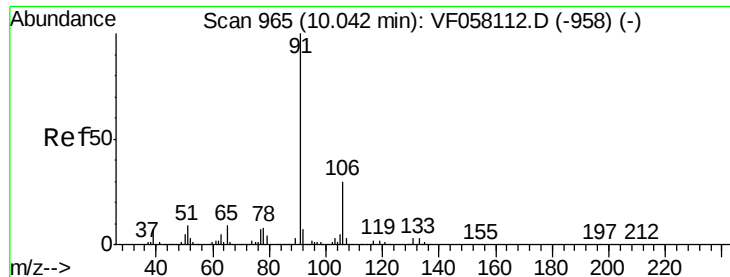
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.54 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion:131 Resp: 69511
Ion Ratio Lower Upper
131 100
133 91.8 49.1 147.4
119 67.6 34.3 102.8





#67

Ethyl Benzene

Concen: 20.82 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 91 Resp: 280435

Ion Ratio Lower Upper

91 100

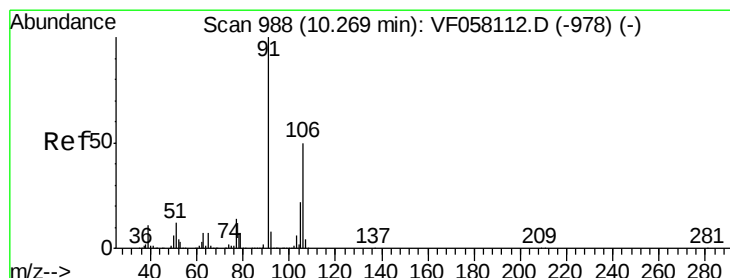
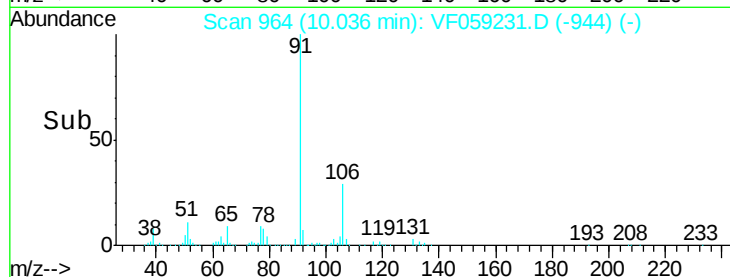
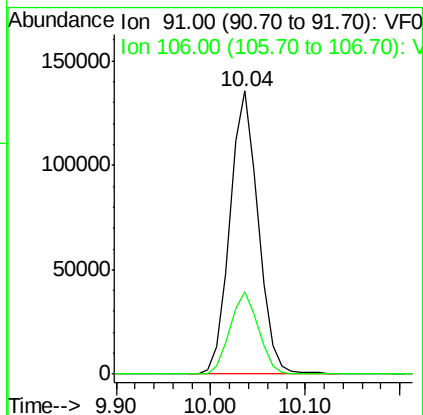
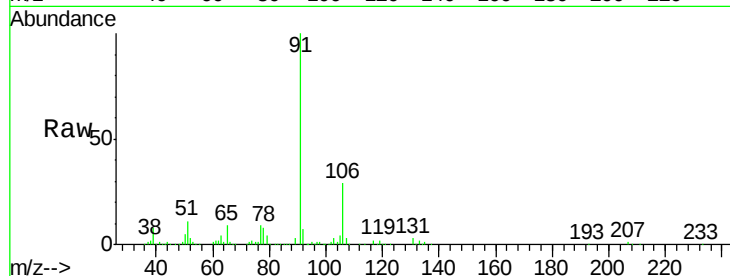
106 29.1 24.2 36.4

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#68

m/p-Xylenes

Concen: 41.78 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059231.D

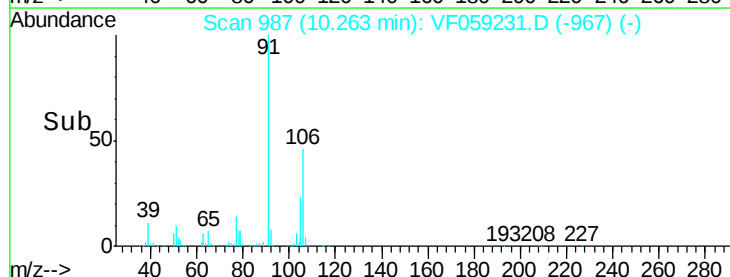
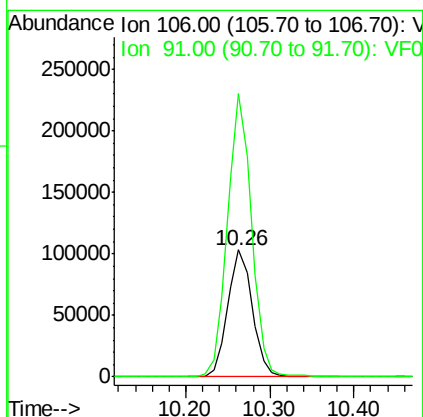
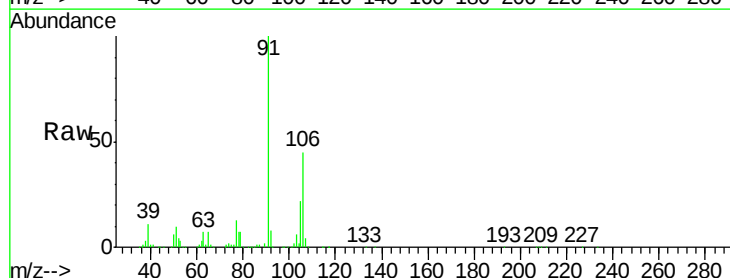
Acq: 20 Jun 2018 17:45

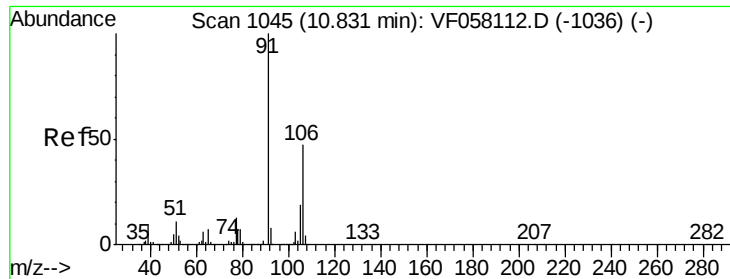
Tgt Ion: 106 Resp: 210689

Ion Ratio Lower Upper

106 100

91 223.6 160.7 241.1





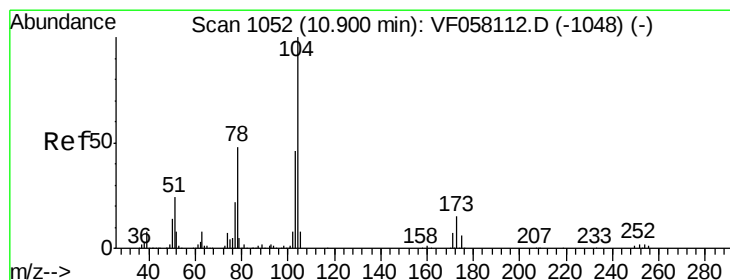
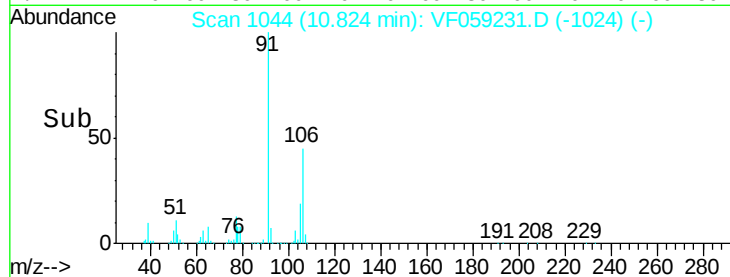
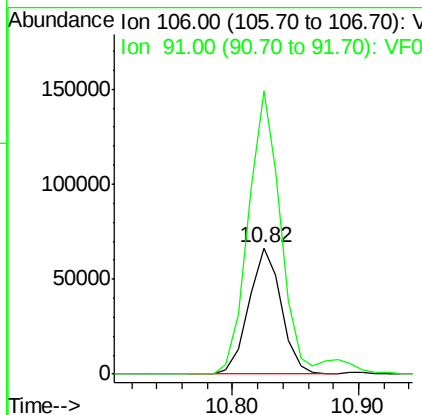
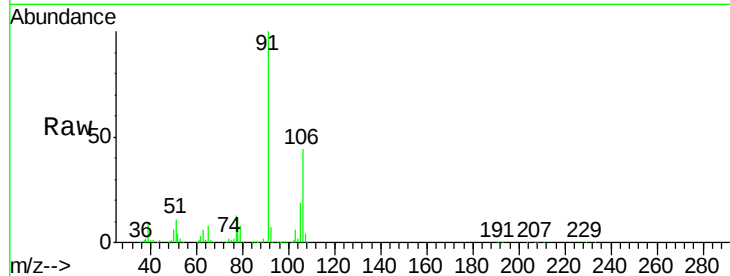
#69
o-Xylene
Concen: 21.79 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion:106 Resp: 118744
Ion Ratio Lower Upper
106 100
91 224.7 107.0 321.0

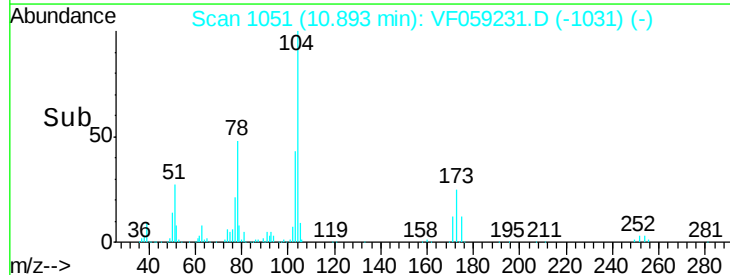
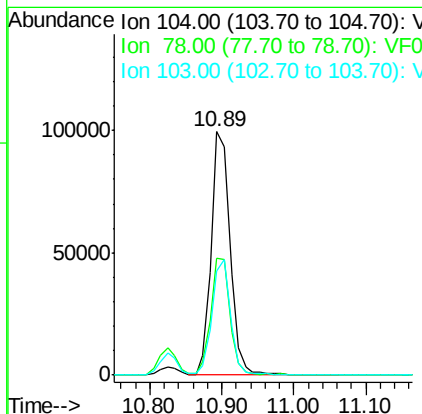
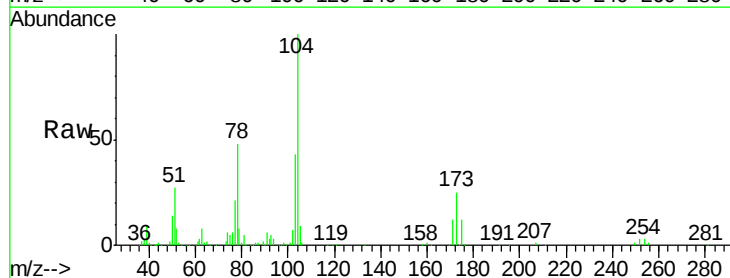
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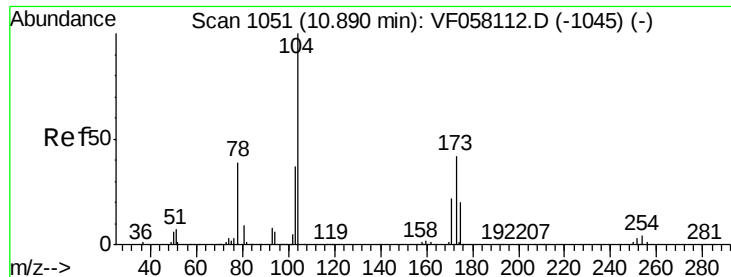
apatel
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#70
Styrene
Concen: 21.66 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion:104 Resp: 178607
Ion Ratio Lower Upper
104 100
78 47.8 38.4 57.6
103 42.8 37.0 55.6





#71

Bromoform

Concen: 24.80 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

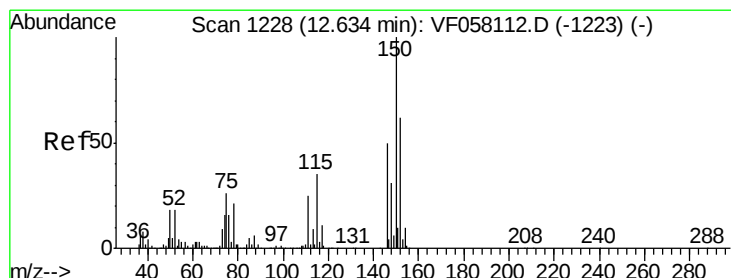
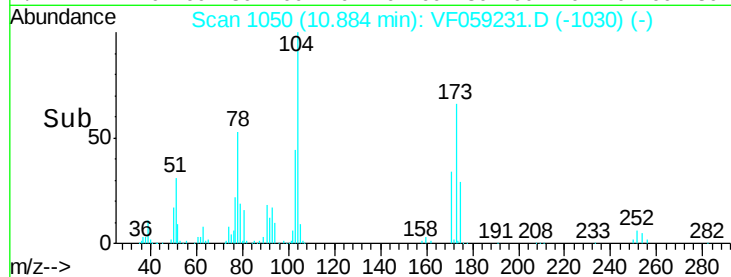
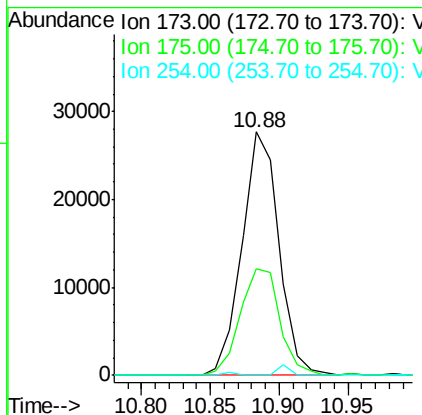
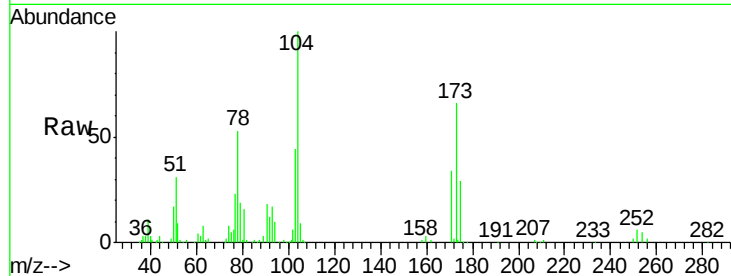
ClientSampleId :

VF0620SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.0	24.6	74.0
254	0.0	7.8	11.8#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

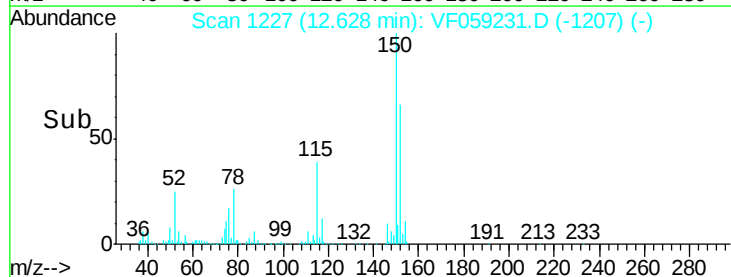
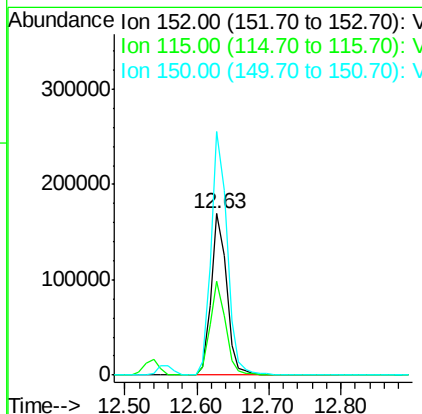
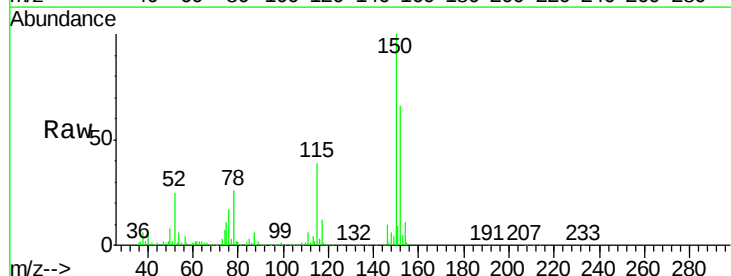
RT: 12.63 min Scan# 1227

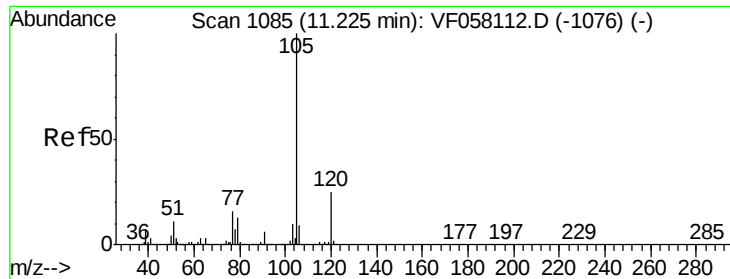
Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.5	85.5
150	150.9	0.0	323.8





#73

Isopropylbenzene

Concen: 19.97 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:105 Resp: 347651

Ion Ratio Lower Upper

105 100

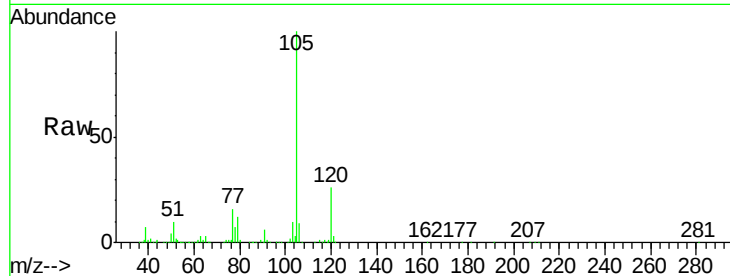
120 25.6 12.7 38.1

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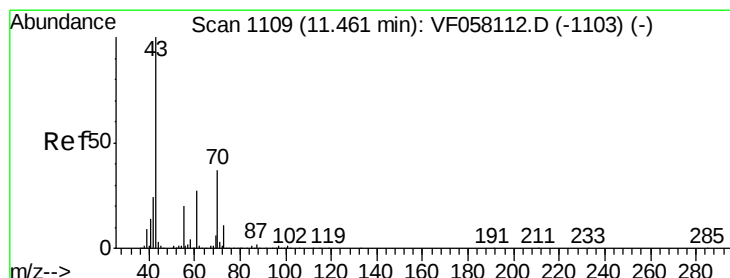
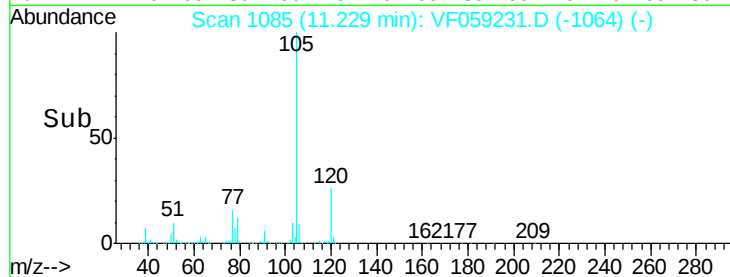
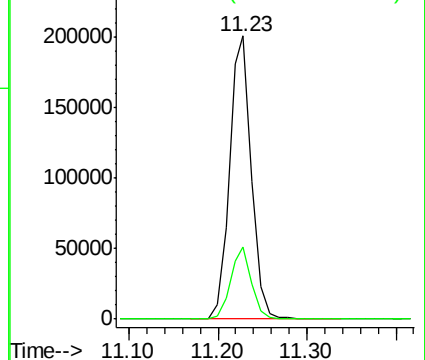
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.56 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion: 43 Resp: 121600

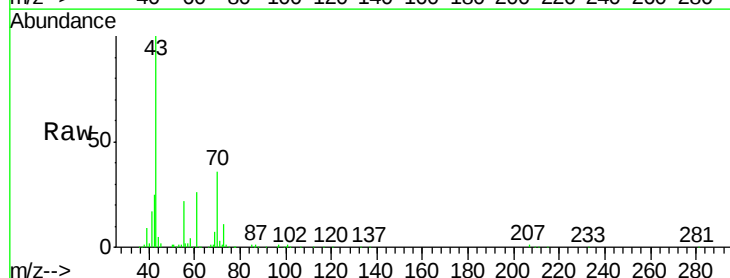
Ion Ratio Lower Upper

43 100

70 35.9 29.2 43.8

55 21.5 15.8 23.6

61 26.0 21.3 31.9

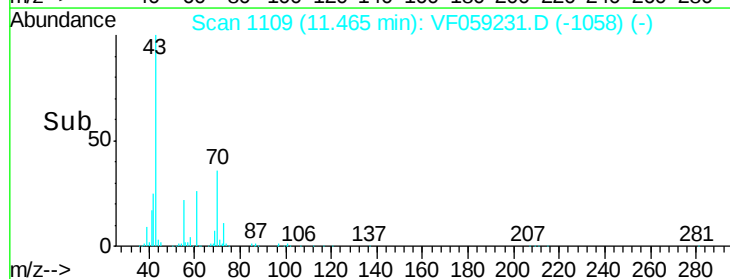
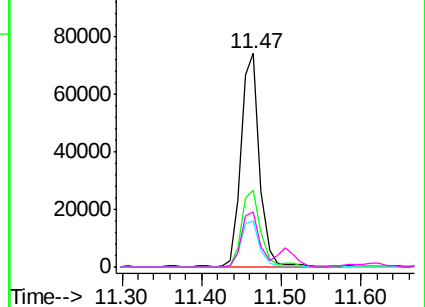


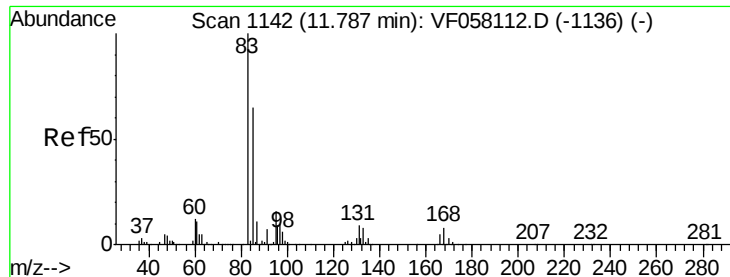
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.58 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

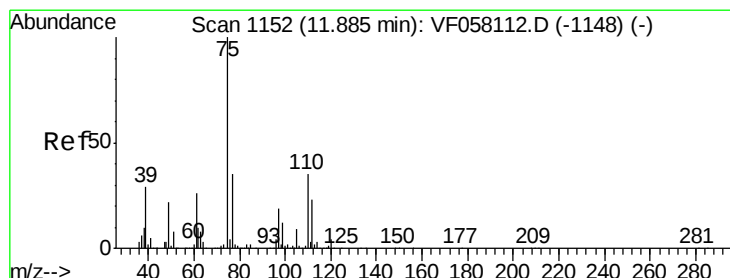
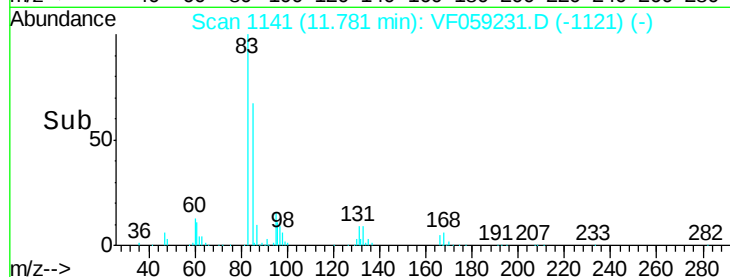
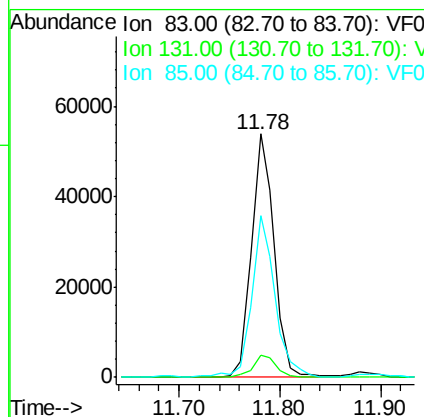
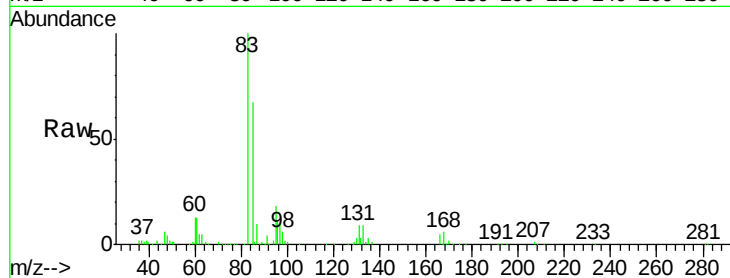
ClientSampleId :

VF0620SBS01

Tot Ion:	83	Resp:	84950
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.7
85	66.5	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 21.21 ug/l

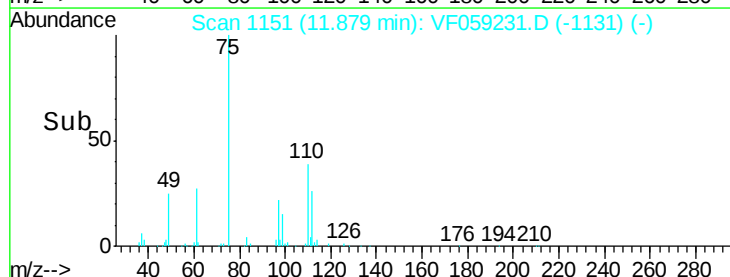
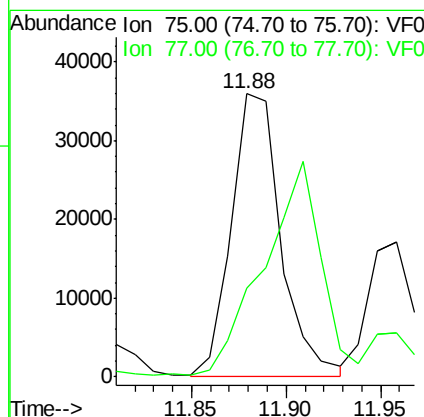
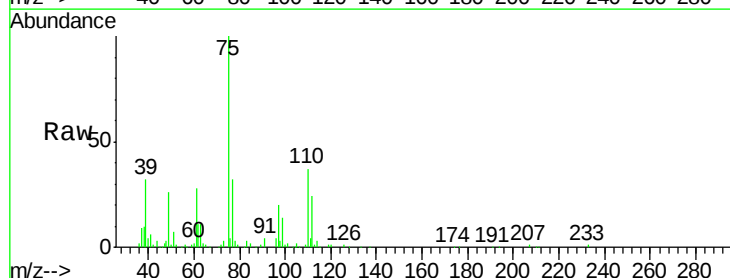
RT: 11.88 min Scan# 1151

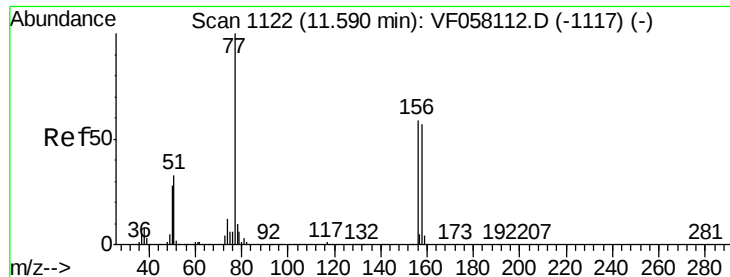
Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	75	Resp:	64652
Ion Ratio	Lower	Upper	
75	100		
77	31.6	17.5	52.5





#77

Bromobenzene

Concen: 19.91 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

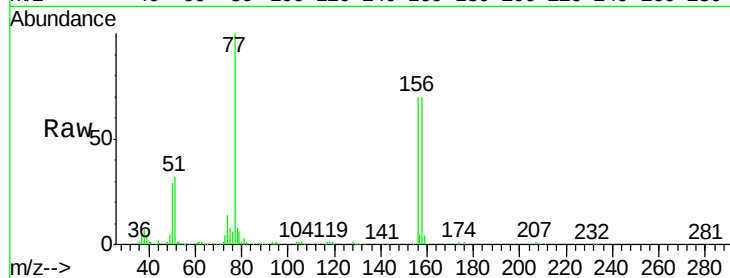
ClientSampleId :

VF0620SBS01

Tot Ion:	156	Resp:	87227
Ion Ratio	Lower	Upper	
156	100		
77	142.4	84.8	254.4
158	99.1	47.9	143.7

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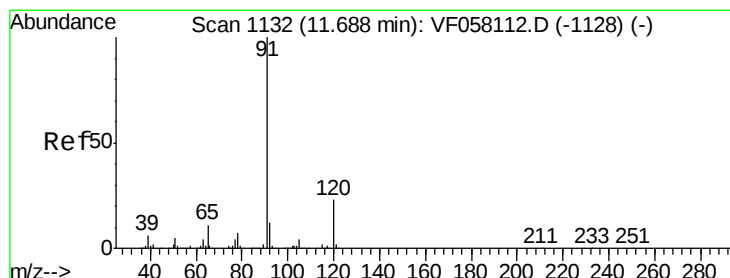
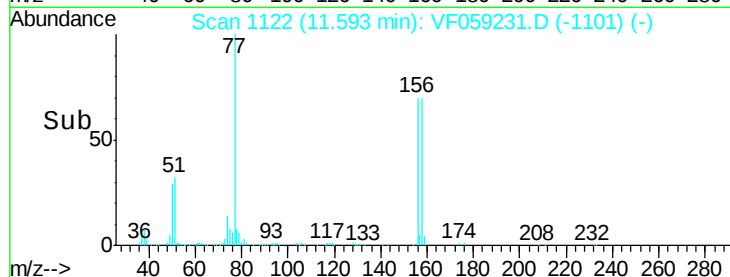
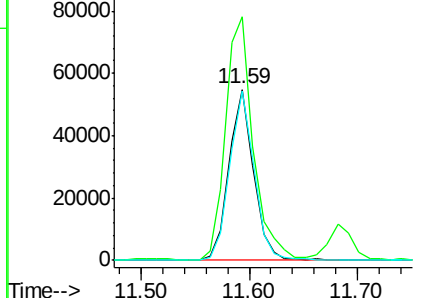
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.32 ug/l

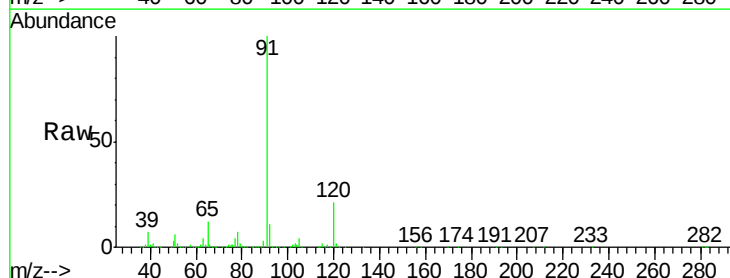
RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059231.D

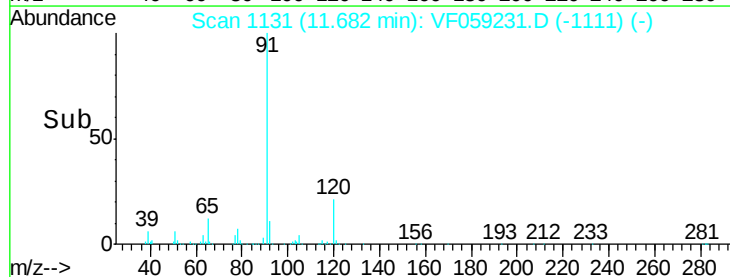
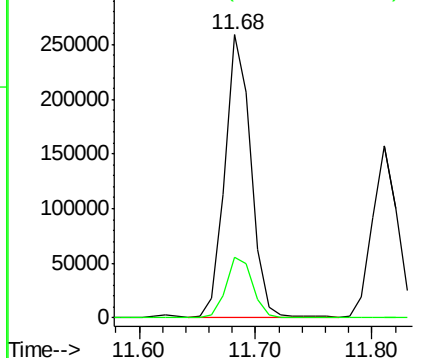
Acq: 20 Jun 2018 17:45

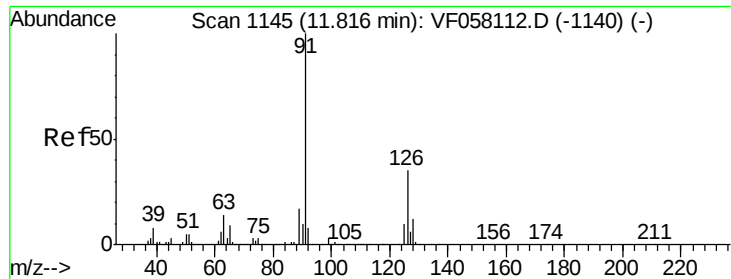
Tgt Ion:	91	Resp:	398142
Ion Ratio	Lower	Upper	
91	100		
120	21.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





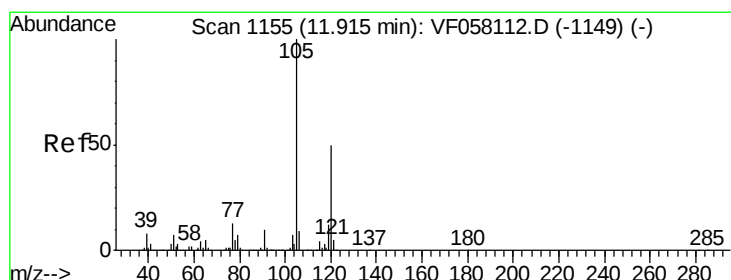
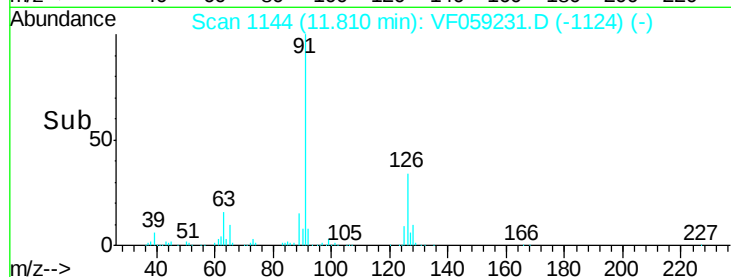
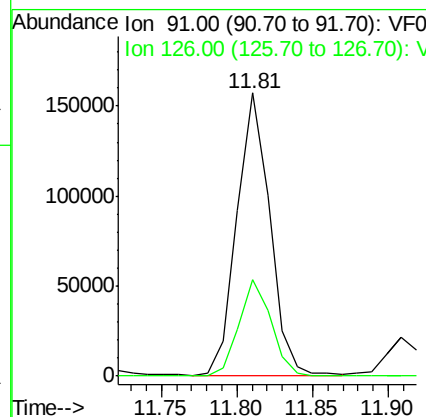
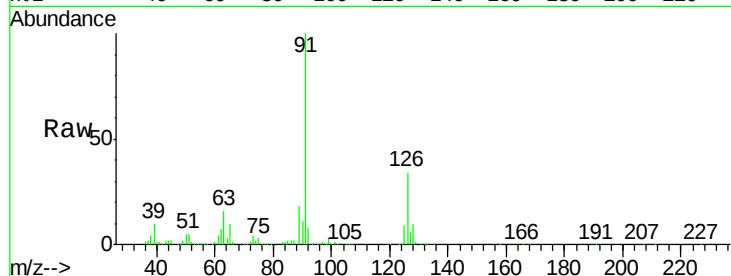
#79
2-Chlorotoluene
Concen: 19.44 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion: 91 Resp: 236577
Ion Ratio Lower Upper
91 100
126 34.2 17.6 52.9

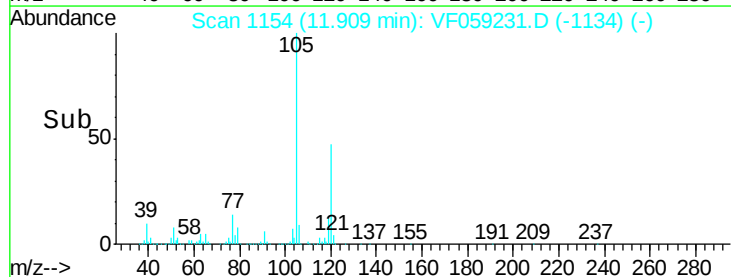
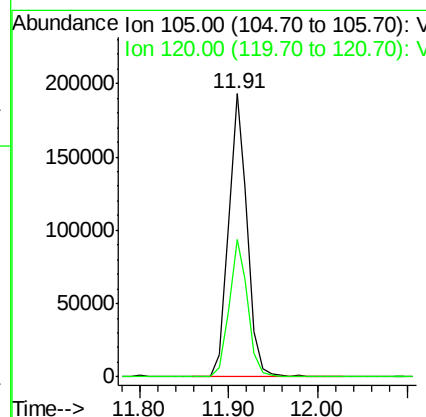
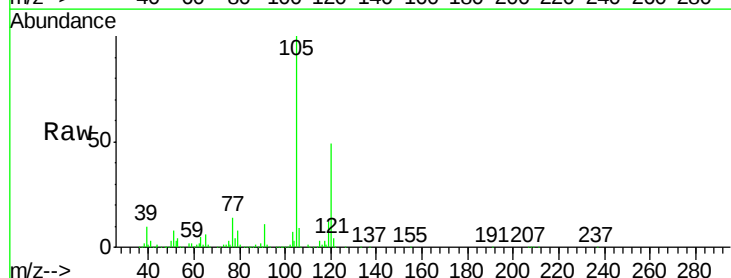
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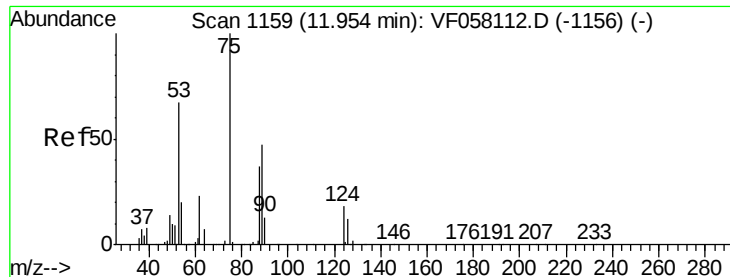
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#80
1,3,5-Trimethylbenzene
Concen: 19.76 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion: 105 Resp: 284741
Ion Ratio Lower Upper
105 100
120 48.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.23 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

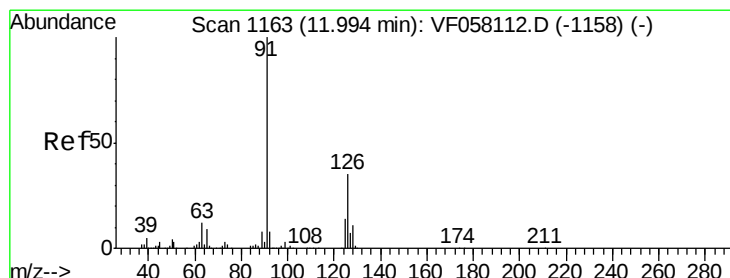
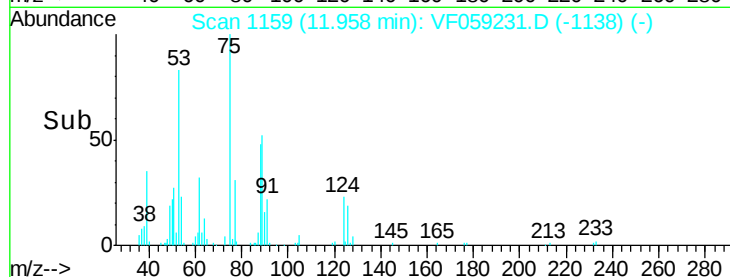
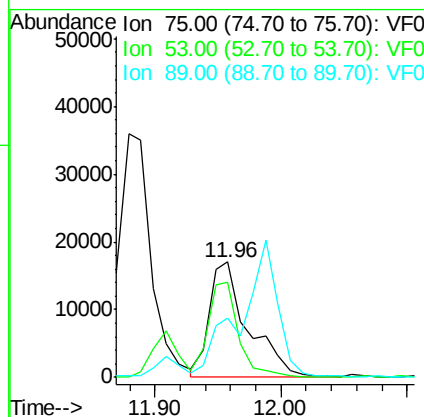
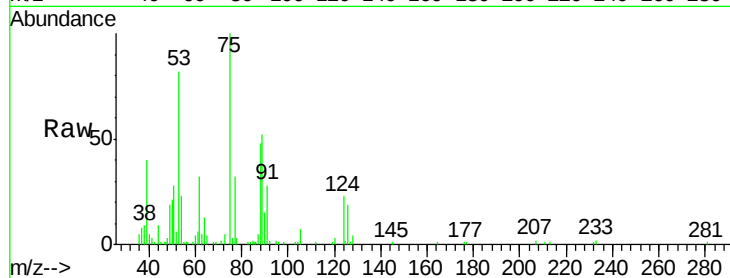
ClientSampleId :

VF0620SBS01

Tot Ion:	75	Resp:	36025
Ion Ratio	Lower	Upper	
75	100		
53	82.1	58.7	88.1
89	51.5	39.8	59.6

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#82

4-Chlorotoluene

Concen: 19.93 ug/l

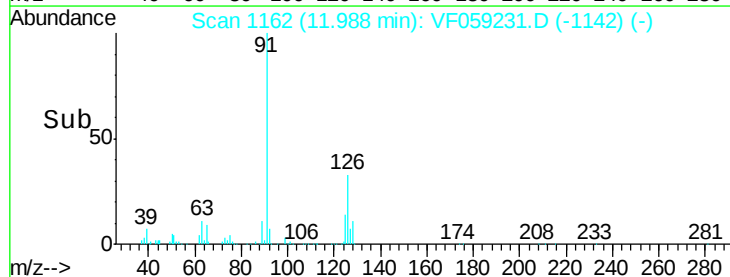
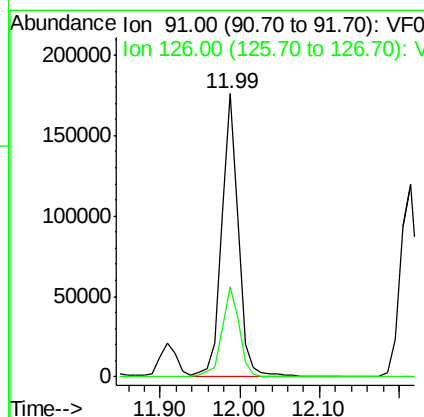
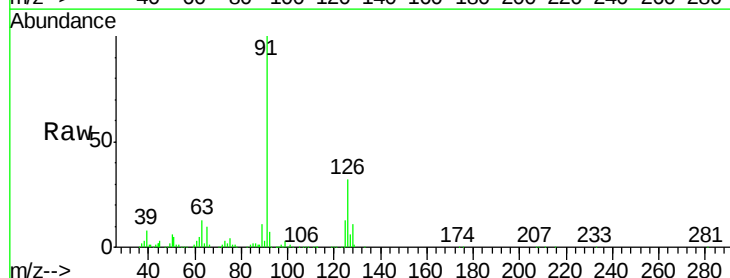
RT: 11.99 min Scan# 1162

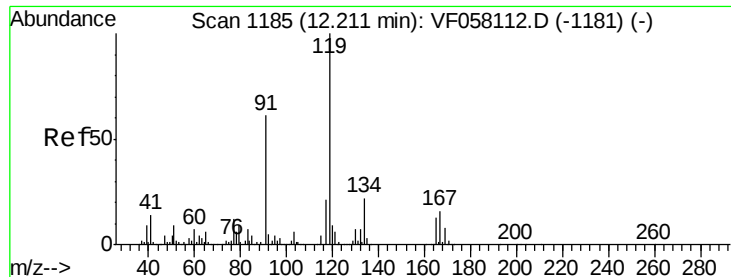
Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	91	Resp:	258290
Ion Ratio	Lower	Upper	
91	100		
126	31.7	17.4	52.2





#83

tert-Butylbenzene

Concen: 20.80 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

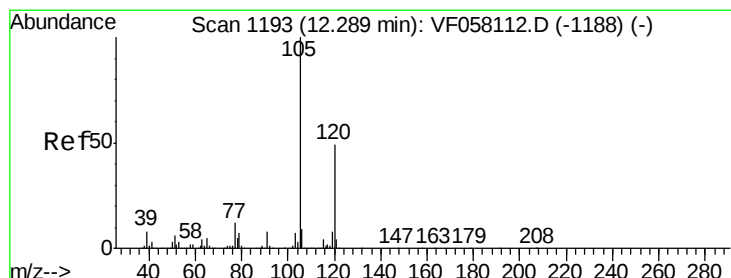
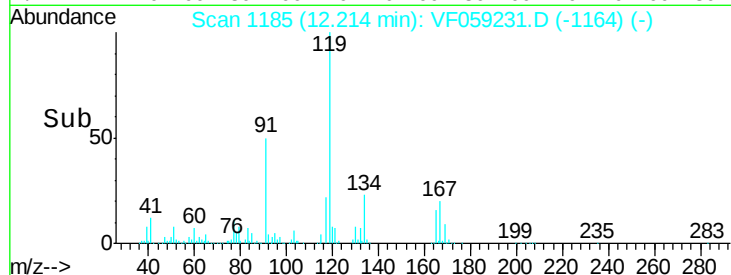
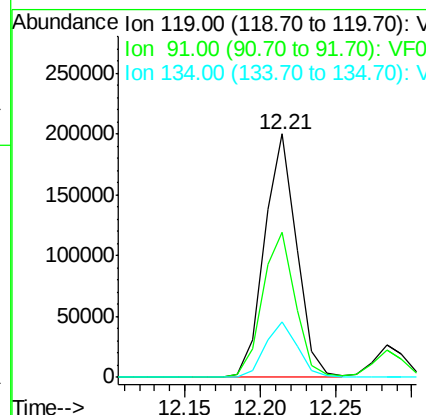
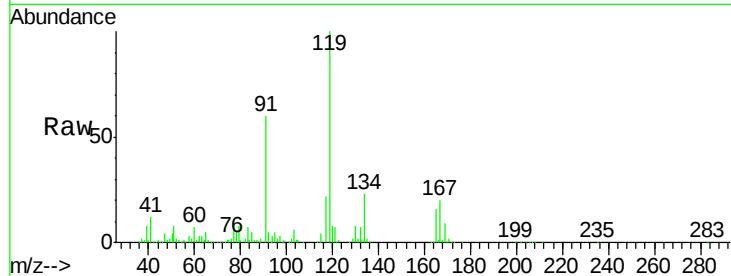
ClientSampleId :

VF0620SBS01

Tot Ion:	119	Resp:	297507
Ion Ratio	Lower	Upper	
119	100		
91	59.7	30.4	91.3
134	22.6	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.98 ug/l

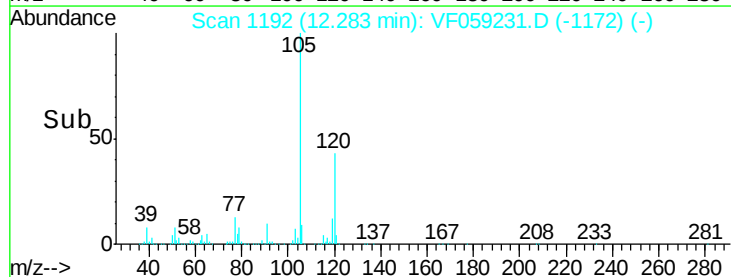
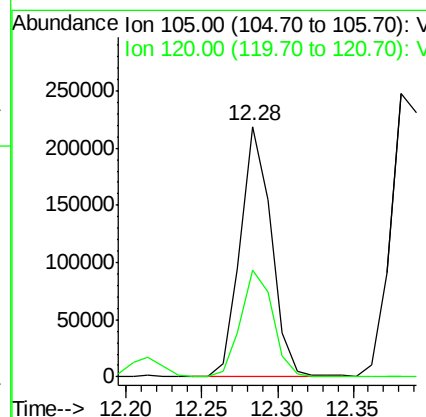
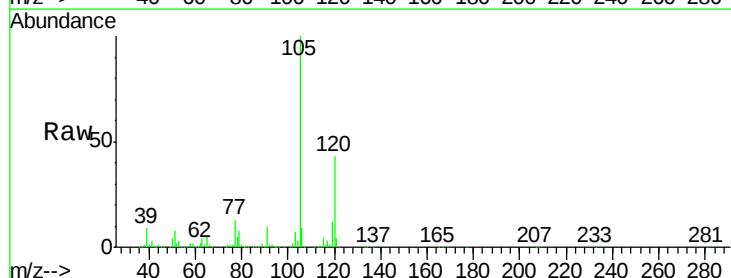
RT: 12.28 min Scan# 1192

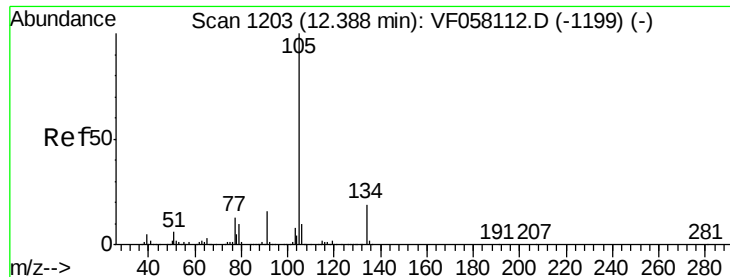
Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	105	Resp:	313167
Ion Ratio	Lower	Upper	
105	100		
120	42.7	24.7	74.1





#85

sec-Butylbenzene

Concen: 20.34 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:105 Resp: 395438

Ion Ratio Lower Upper

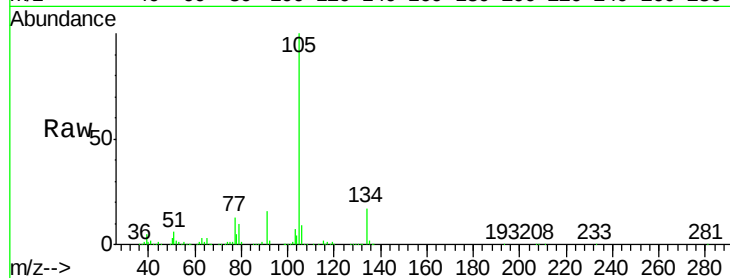
105 100

134 17.2 9.6 28.6

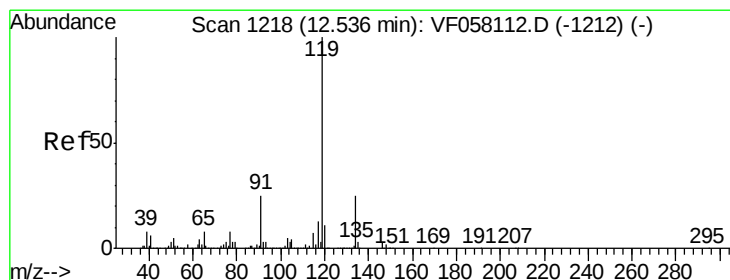
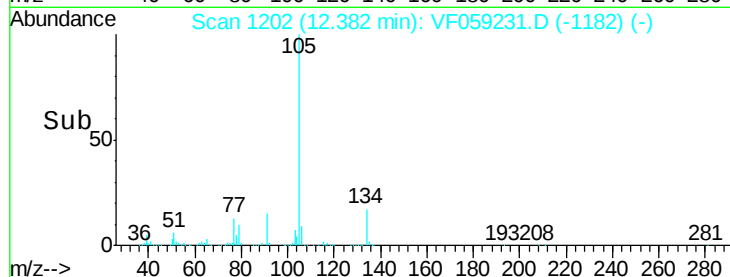
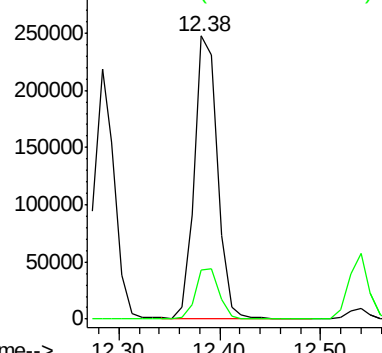
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.91 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

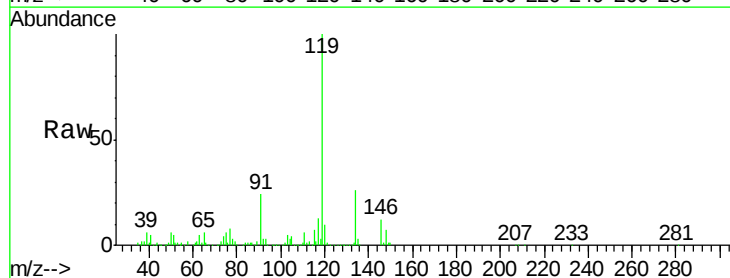
Tgt Ion:119 Resp: 317815

Ion Ratio Lower Upper

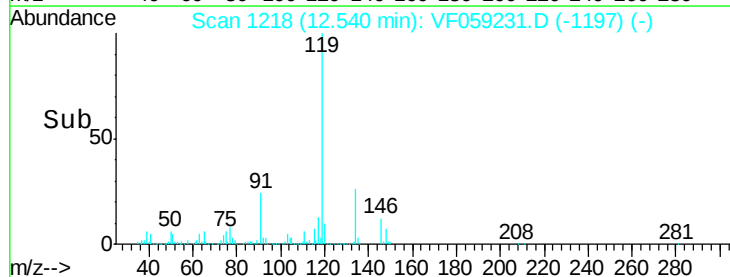
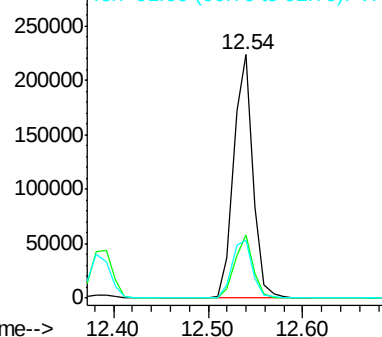
119 100

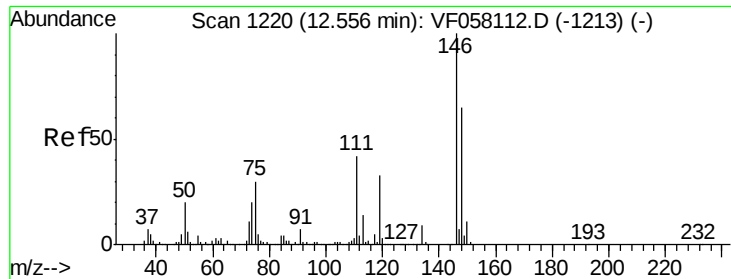
134 25.8 12.7 38.0

91 24.0 12.6 37.6



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





#87

1,3-Dichlorobenzene

Concen: 20.28 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

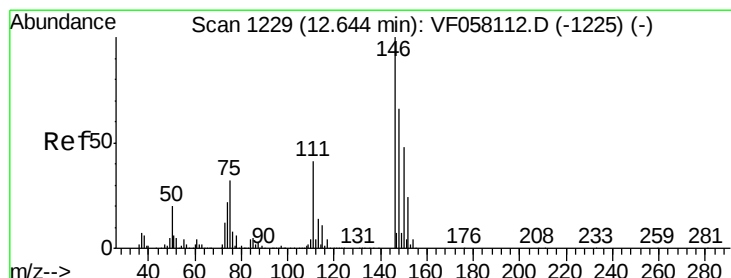
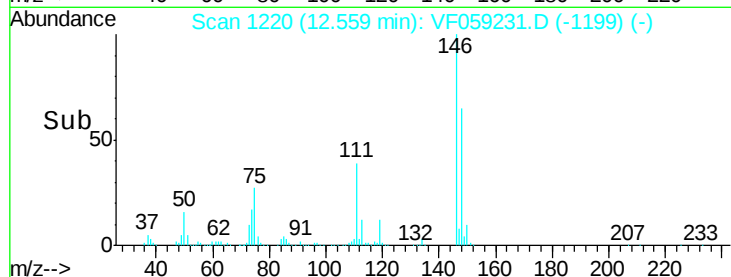
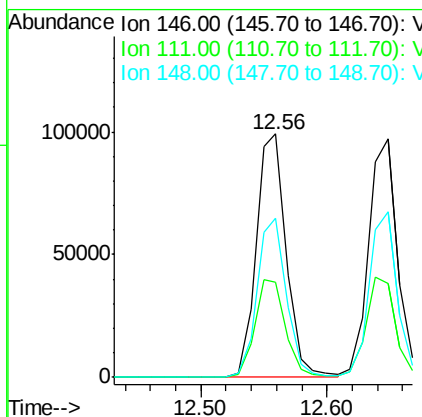
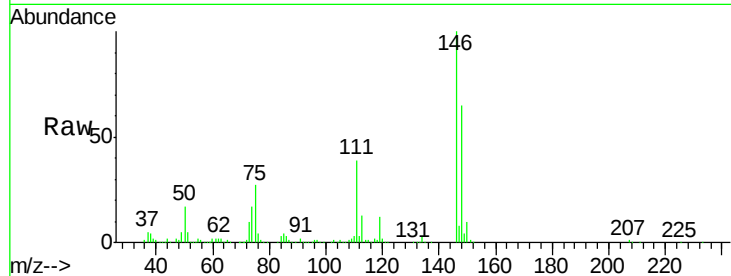
ClientSampleId :

VF0620SBS01

Tot Ion:	146	Resp:	164039
Ion Ratio	Lower	Upper	
146	100		
111	39.3	20.8	62.5
148	65.1	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 19.94 ug/l

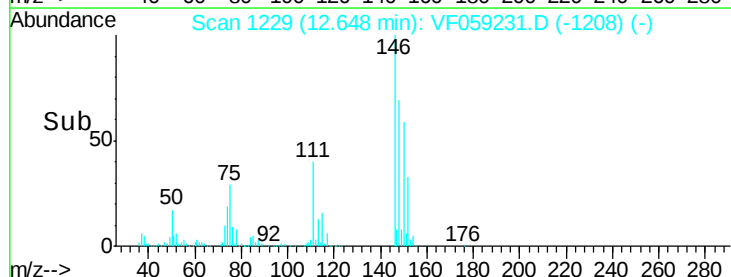
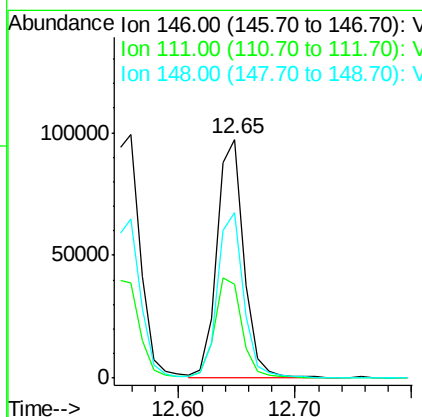
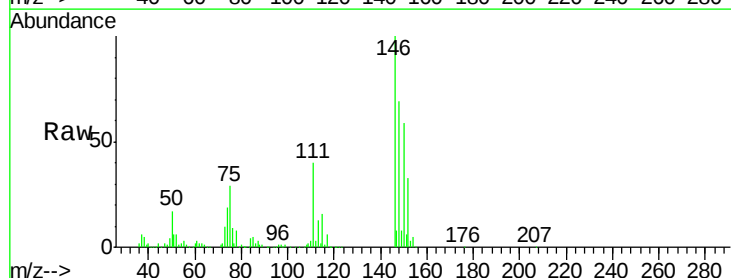
RT: 12.65 min Scan# 1229

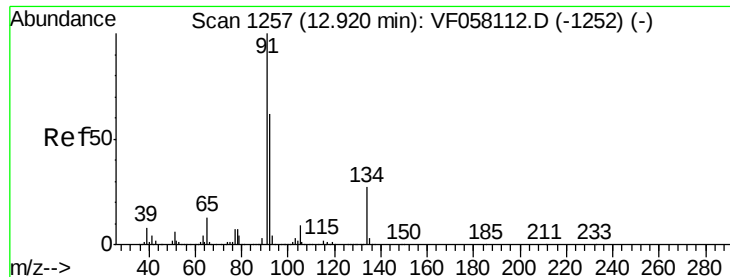
Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	146	Resp:	155416
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.4	61.2
148	69.3	33.0	99.0





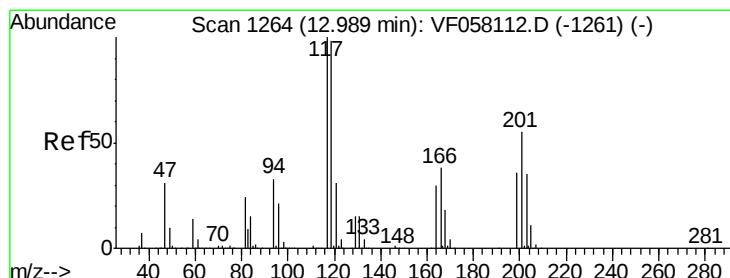
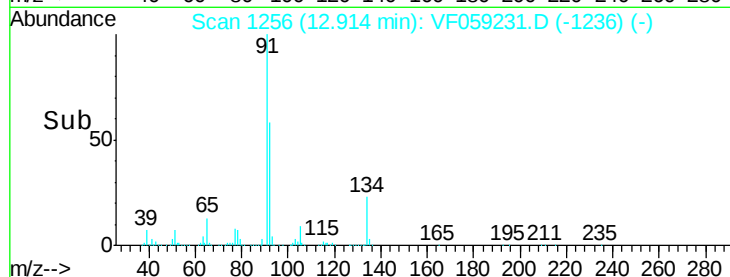
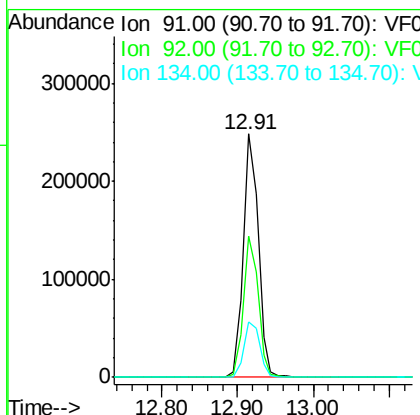
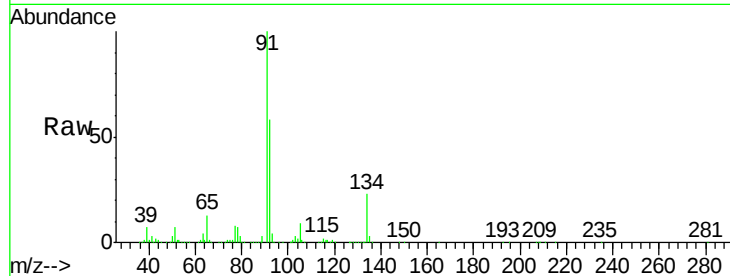
#89
n-Butylbenzene
Concen: 18.47 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	31.1	93.5
134	22.8	13.6	40.8

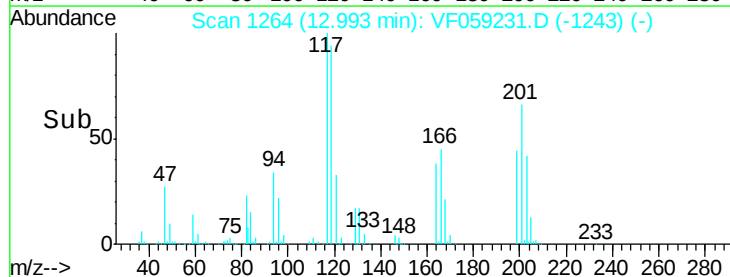
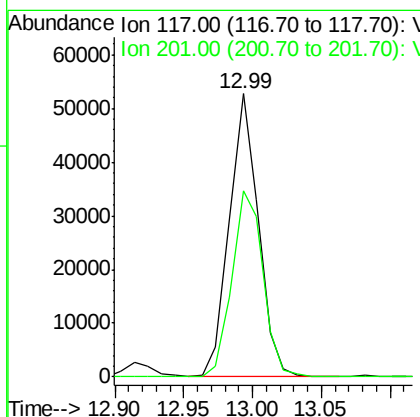
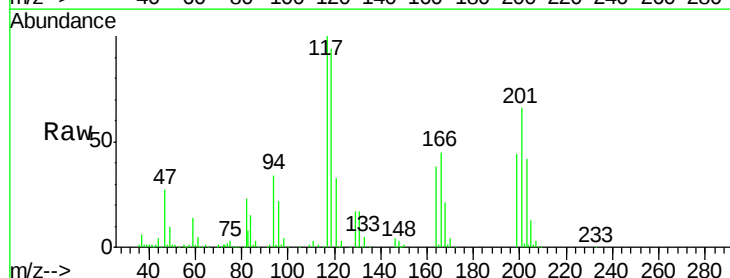
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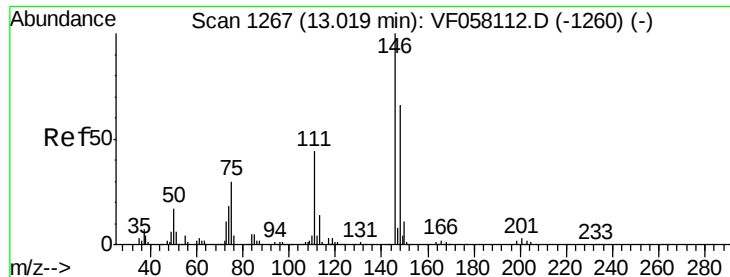
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#90
Hexachloroethane
Concen: 19.77 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	27.5	82.4





#91

1,2-Dichlorobenzene

Concen: 21.08 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Instrument :

MSVOA_F

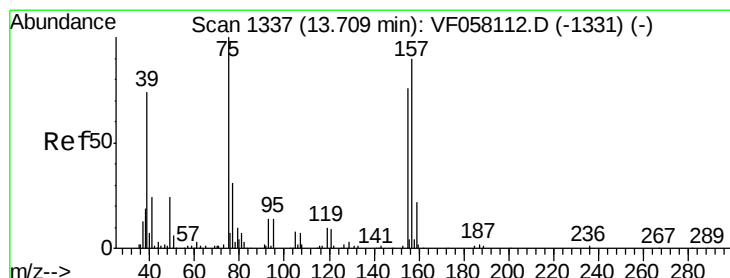
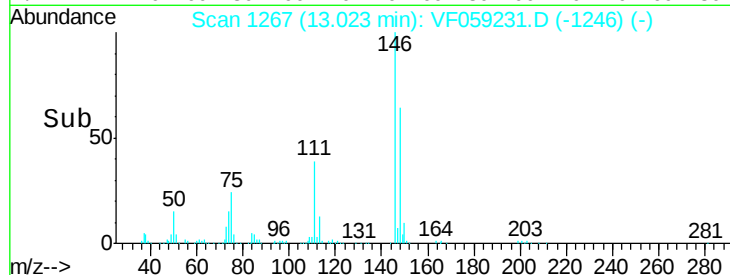
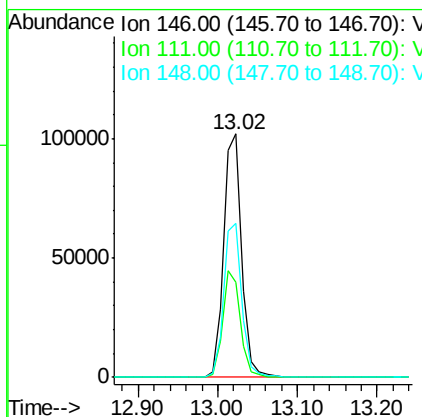
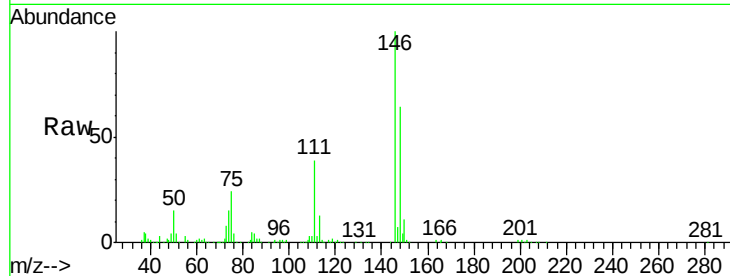
ClientSampleId :

VF0620SBS01

Tot Ion:	146	Resp:	164213
Ion Ratio	Lower	Upper	
146	100		
111	39.3	22.0	66.0
148	63.5	33.1	99.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.03 ug/l

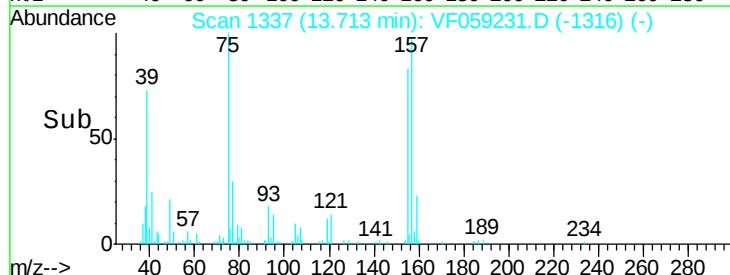
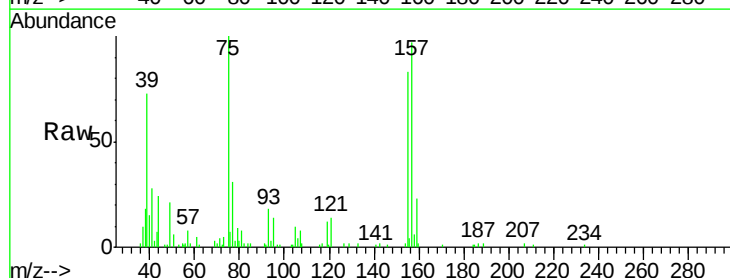
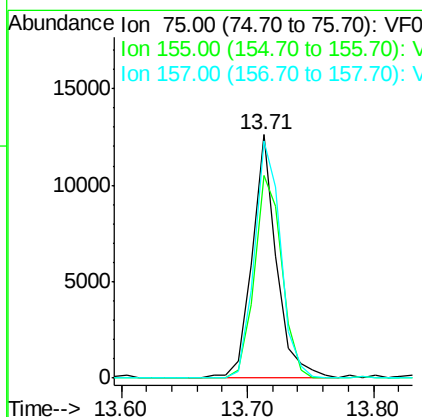
RT: 13.71 min Scan# 1337

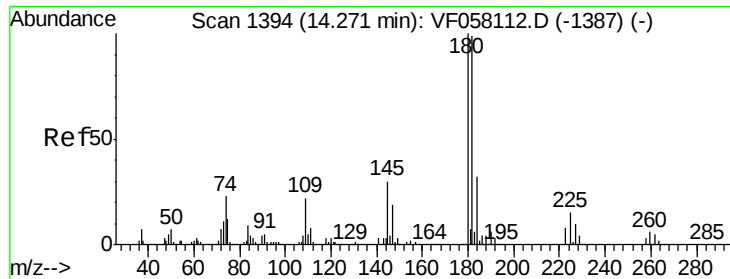
Delta R.T. 0.00 min

Lab File: VF059231.D

Acq: 20 Jun 2018 17:45

Tgt Ion:	75	Resp:	17025
Ion Ratio	Lower	Upper	
75	100		
155	83.4	38.0	114.0
157	97.3	45.1	135.5





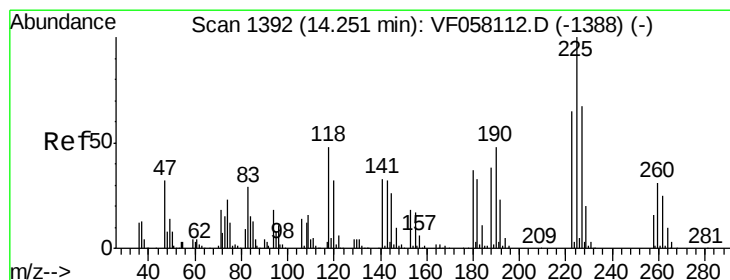
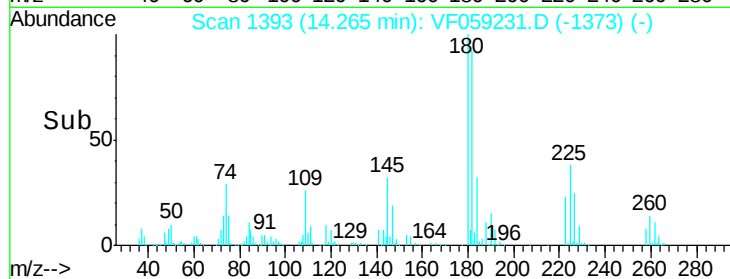
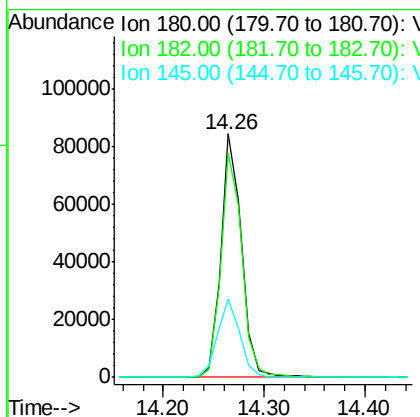
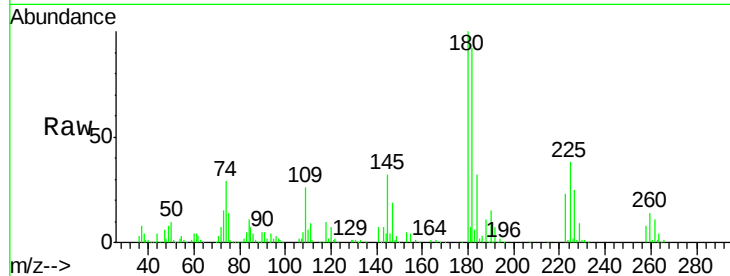
#93
 1,2,4-Trichlorobenzene
 Concen: 22.01 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119955		
182	92.0	49.3	147.9	
145	32.3	14.9	44.9	

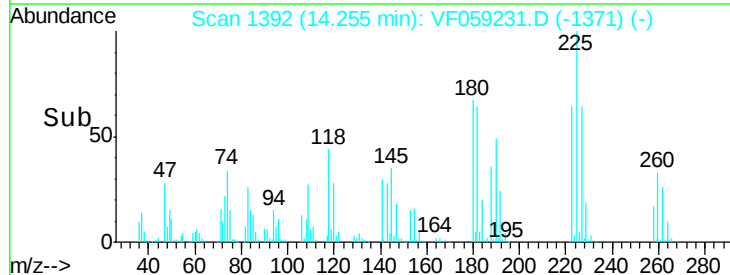
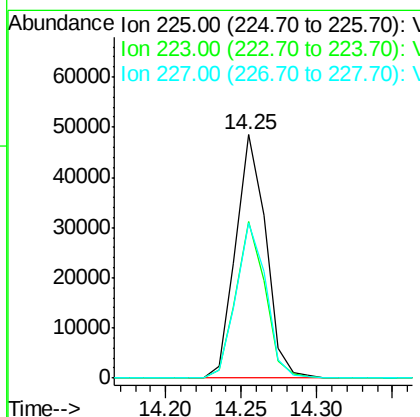
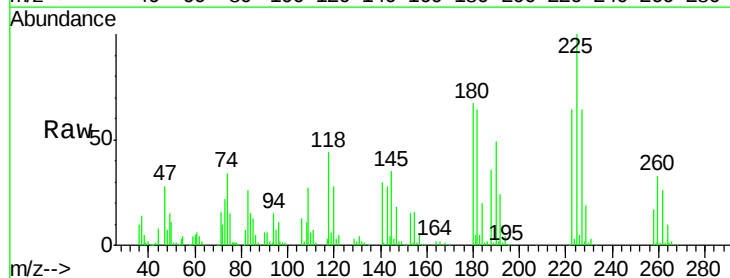
Manual Integrations
 APPROVED

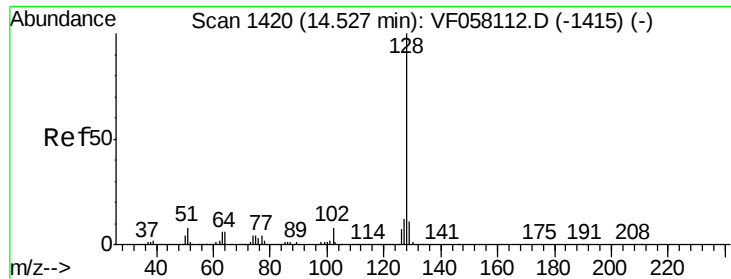
apatel
 6/21/2018 9:45:46 AM



#94
 Hexachlorobutadiene
 Concen: 21.30 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059231.D
 Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67181		
223	64.1	32.8	98.3	
227	64.1	33.3	99.9	





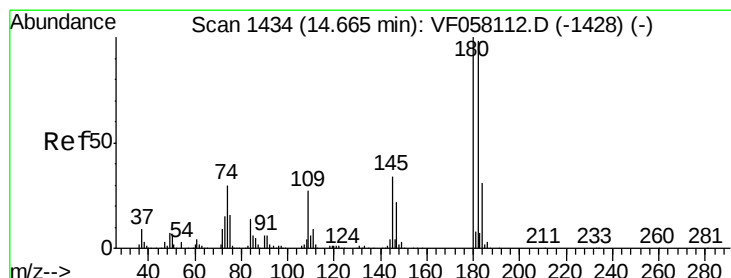
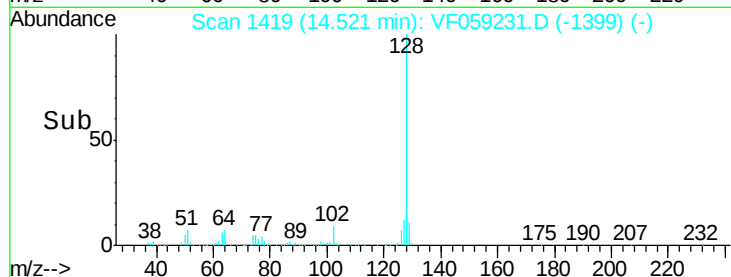
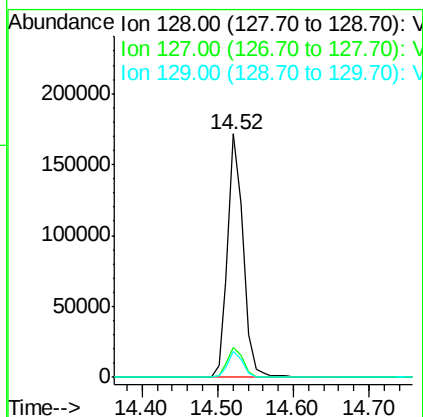
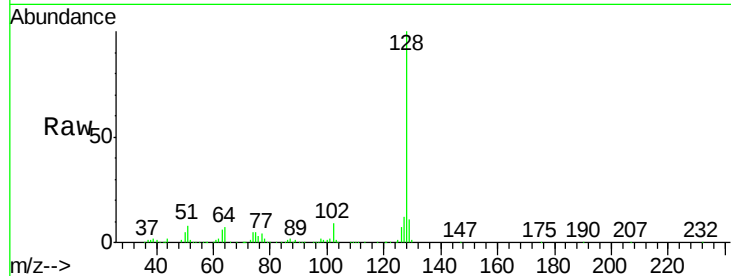
#95
Naphthalene
Concen: 21.12 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	245799		
127	12.2		9.9	14.9
129	10.6		8.7	13.1

Manual Integrations
APPROVED

apatel
6/21/2018 9:45:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.09 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059231.D
Acq: 20 Jun 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111251		
182	96.8		48.9	146.6
145	32.2		17.3	51.7

