

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059193.D
 Acq On : 19 Jun 2018 17:19
 Operator : VA/AP
 Sample : VF0619SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS01

Manual Integrations
 APPROVED

apatel
 6/20/2018 10:16:25 AM

Quant Time: Jun 20 04:23:06 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	5.03	168	277744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	425031	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	415128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	244284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	178606	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	4.29	113	164595	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	7.70	98	415312	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	11.50	95	226416	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	60707	19.31	ug/l	96
3) Chloromethane	1.08	50	40901	16.80	ug/l	98
4) Vinyl Chloride	1.14	62	40774	18.56	ug/l	96
5) Bromomethane	1.34	94	22806	17.82	ug/l	93
6) Chloroethane	1.43	64	18646	20.46	ug/l	96
7) Trichlorofluoromethane	1.49	101	72826m	21.33	ug/l	
8) Diethyl Ether	1.70	74	18393	21.41	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	41305	18.98	ug/l	88
10) Methyl Iodide	1.96	142	74621	19.60	ug/l	98
11) Tert butyl alcohol	2.69	59	20495	94.96	ug/l	100
12) 1,1-Dichloroethene	1.85	96	37484	20.48	ug/l	92
13) Acrolein	2.09	56	12952	69.33	ug/l	98
14) Allyl chloride	2.19	41	72044	20.06	ug/l	98
15) Acrylonitrile	3.07	53	43560	101.62	ug/l	95
16) Acetone	2.33	43	94619	117.65	ug/l	94
17) Carbon Disulfide	1.87	76	89592m	17.44	ug/l	
18) Methyl Acetate	2.44	43	30904	22.35	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	130533	22.98	ug/l	98
20) Methylene Chloride	2.31	84	40509m	21.04	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	38989	19.43	ug/l	96
22) Diisopropyl ether	2.92	45	155549	22.03	ug/l	99
23) Vinyl Acetate	3.33	43	510587	109.67	ug/l	98
24) 1,1-Dichloroethane	2.99	63	92002	21.49	ug/l	98
25) 2-Butanone	4.50	43	118632	95.14	ug/l	100
26) 2,2-Dichloropropane	3.75	77	65625	21.13	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	60552	19.60	ug/l	81
28) Bromochloromethane	3.88	49	44743	23.22	ug/l #	91
29) Tetrahydrofuran	4.25	42	53829	97.98	ug/l	99
30) Chloroform	4.03	83	137123	22.39	ug/l	98
31) Cyclohexane	3.85	56	68225	18.24	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	96859	21.19	ug/l	95
36) 1,1-Dichloropropene	4.45	75	80613	19.57	ug/l	98
37) Ethyl Acetate	4.29	43	54688	21.48	ug/l #	83
38) Carbon Tetrachloride	4.16	117	102176m	22.88	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	83302	19.84	ug/l	97
40) Benzene	4.80	78	188937	19.76	ug/l	99
41) Methacrylonitrile	4.92	41	25068	20.04	ug/l	92
42) 1,2-Dichloroethane	5.10	62	100976	23.54	ug/l	95
43) Isopropyl Acetate	7.10	43	68281	20.03	ug/l #	97
44) Trichloroethene	5.67	130	66194	22.15	ug/l	95
45) 1,2-Dichloropropane	6.40	63	53737	19.49	ug/l	99
46) Dibromomethane	6.25	93	43250	20.85	ug/l	89
47) Bromodichloromethane	6.54	83	110727	23.46	ug/l	94
48) Methyl methacrylate	6.87	41	42411	20.18	ug/l	95
49) 1,4-Dioxane	6.86	88	5355	334.04	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	257309	110.12	ug/l	92
52) Toluene	7.78	92	136342	19.80	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	99771	21.83	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	116060	22.11	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	53655	21.50	ug/l	94
56) Ethyl methacrylate	8.75	69	65829	20.92	ug/l	97
57) 1,3-Dichloropropane	9.00	76	91967	21.54	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	24167	107.43	ug/l	100
59) 2-Hexanone	9.63	43	209753	113.49	ug/l	90
60) Dibromochloromethane	8.86	129	81714	22.78	ug/l	99
61) 1,2-Dibromoethane	9.13	107	63101	21.76	ug/l	95
64) Tetrachloroethene	8.30	164	62606	20.56	ug/l	95
65) Chlorobenzene	9.93	112	178614	21.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	73658	22.53	ug/l	93
67) Ethyl Benzene	10.03	91	305899	21.42	ug/l	97
68) m/p-Xylenes	10.26	106	213879	39.99	ug/l	83
69) o-Xylene	10.82	106	122436	21.18	ug/l	97
70) Styrene	10.90	104	180251	20.61	ug/l	98
71) Bromoform	10.88	173	50770	22.86	ug/l #	93
73) Isopropylbenzene	11.23	105	356859	21.10	ug/l	99
74) N-amyl acetate	11.46	43	126595	20.95	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79622	19.86	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	61116	20.64	ug/l	92
77) Bromobenzene	11.59	156	91007	21.38	ug/l	83
78) n-propylbenzene	11.68	91	414041	20.68	ug/l	95
79) 2-Chlorotoluene	11.81	91	242993	20.55	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	291034	20.79	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	38262	19.93	ug/l	94
82) 4-Chlorotoluene	11.98	91	269119	21.38	ug/l	97
83) tert-Butylbenzene	12.21	119	312018	22.45	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	305328	21.05	ug/l	90
85) sec-Butylbenzene	12.39	105	396378	20.99	ug/l	99
86) p-Isopropyltoluene	12.54	119	340999	21.98	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	162983	20.74	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	165314	21.83	ug/l	98
89) n-Butylbenzene	12.91	91	334616	18.85	ug/l	93
90) Hexachloroethane	12.99	117	78848	20.64	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	165658	21.88	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17090	21.73	ug/l	93

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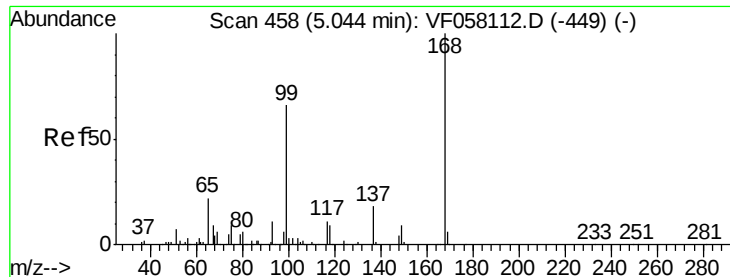
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	123320	23.29	ug/l	96
94) Hexachlorobutadiene	14.25	225	72945	23.81	ug/l	95
95) Naphthalene	14.52	128	244057	21.58	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	112444	22.98	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion:168 Resp: 277744

Ion Ratio Lower Upper

168 100

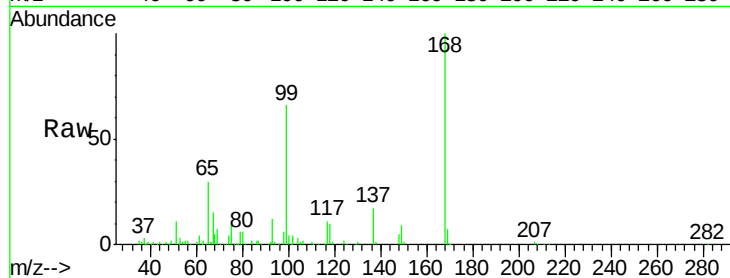
99 66.2 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

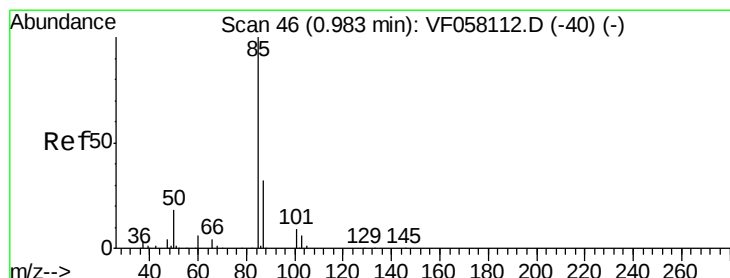
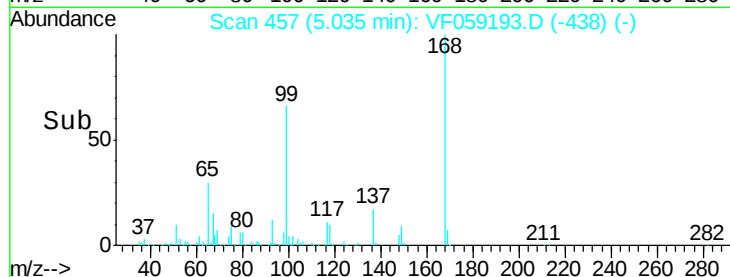
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.31 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059193.D

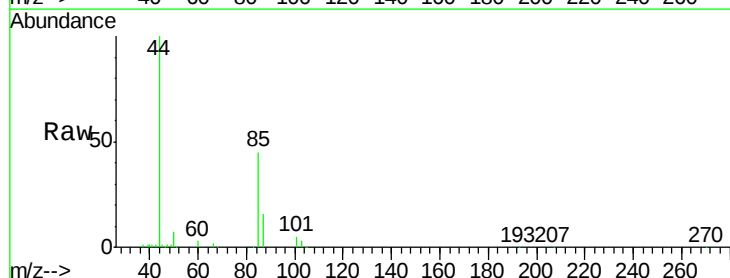
Acq: 19 Jun 2018 17:19

Tgt Ion: 85 Resp: 60707

Ion Ratio Lower Upper

85 100

87 34.8 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

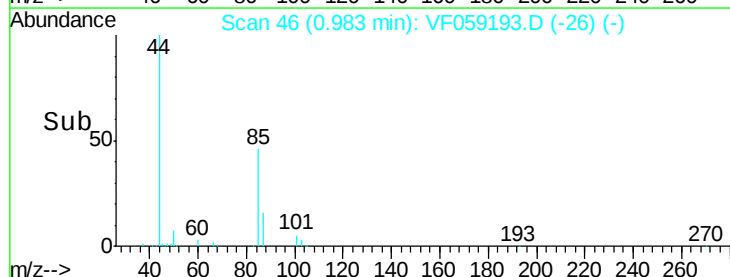
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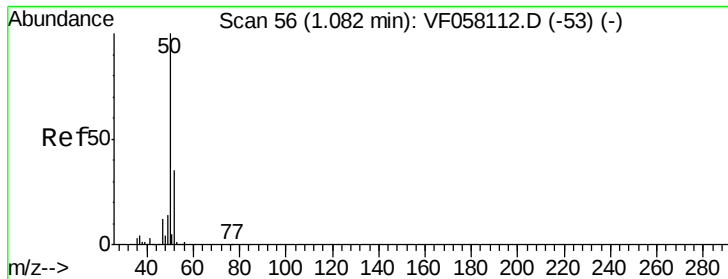
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.80 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 50 Resp: 40901

Ion Ratio Lower Upper

50 100

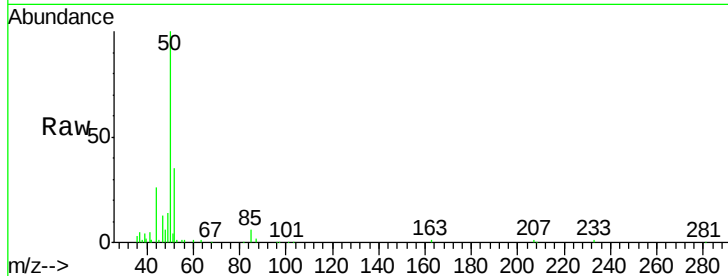
52 35.3 27.3 40.9

Manual Integrations

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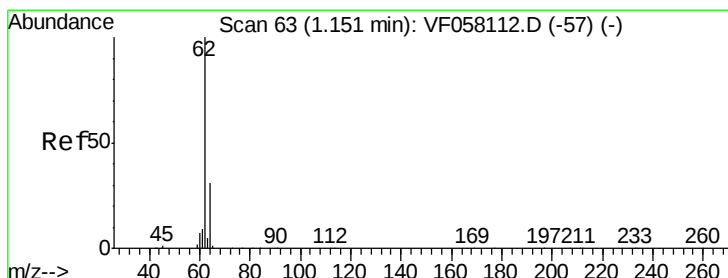
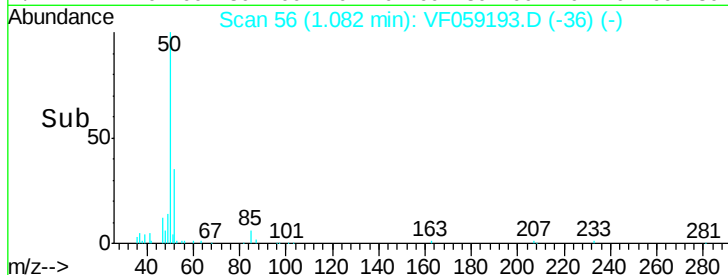
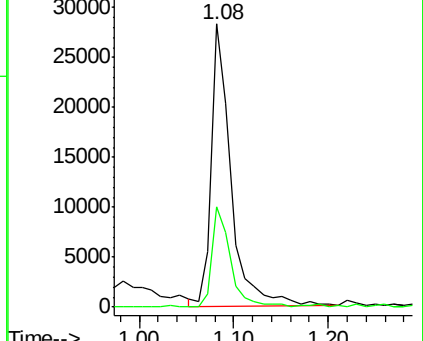
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 18.56 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059193.D

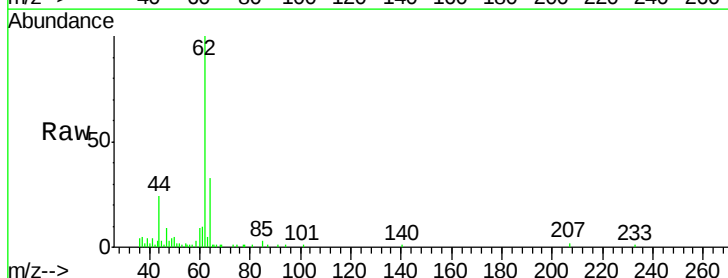
Acq: 19 Jun 2018 17:19

Tgt Ion: 62 Resp: 40774

Ion Ratio Lower Upper

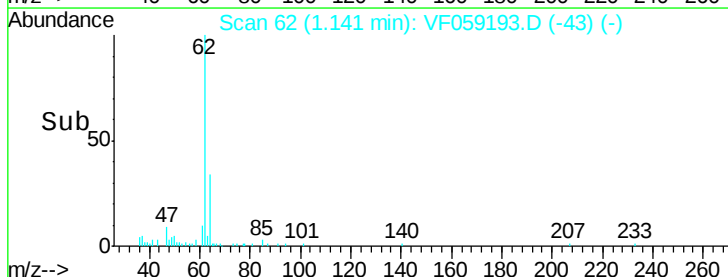
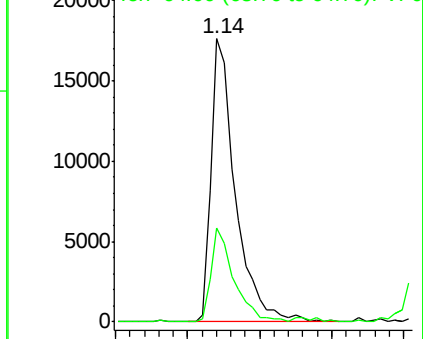
62 100

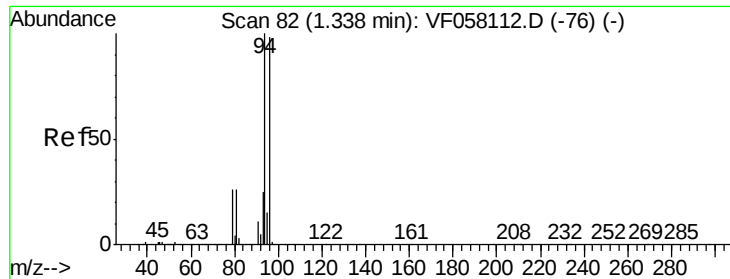
64 33.4 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 17.82 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 94 Resp: 22806

Ion Ratio Lower Upper

94 100

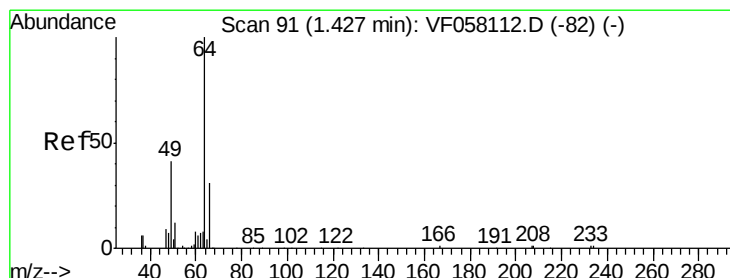
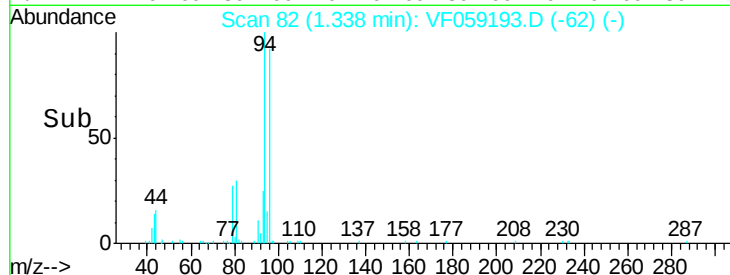
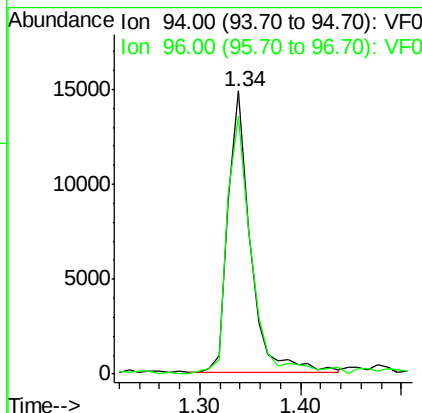
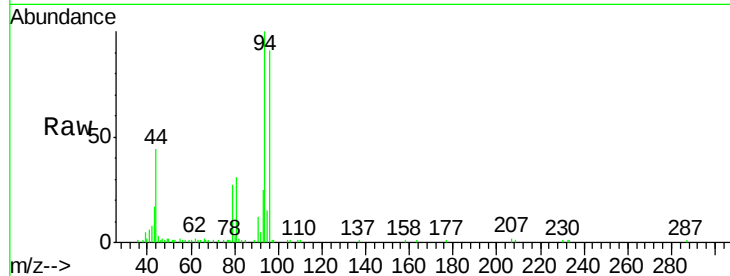
96 90.9 78.6 117.8

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#6

Chloroethane

Concen: 20.46 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059193.D

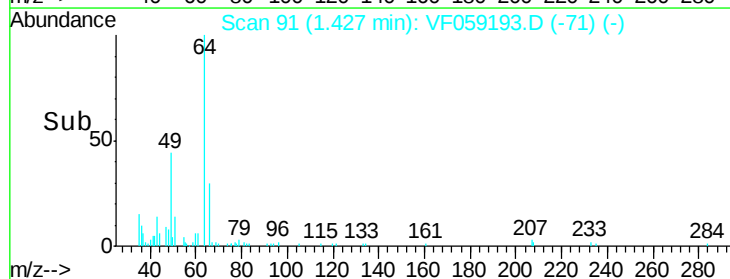
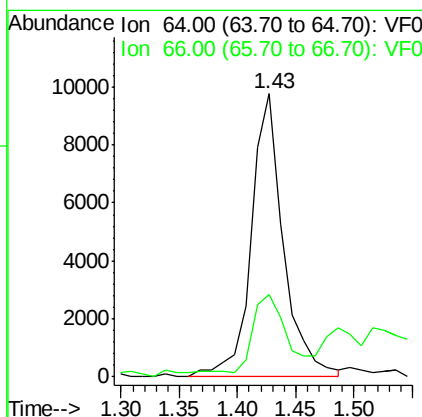
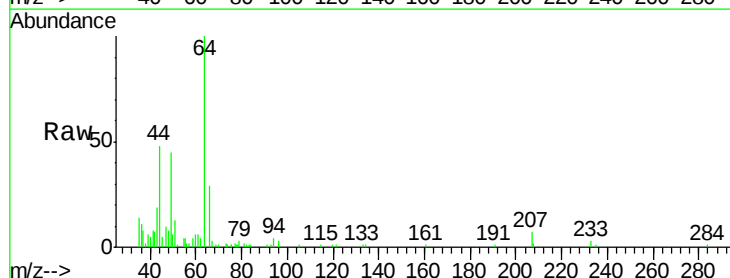
Acq: 19 Jun 2018 17:19

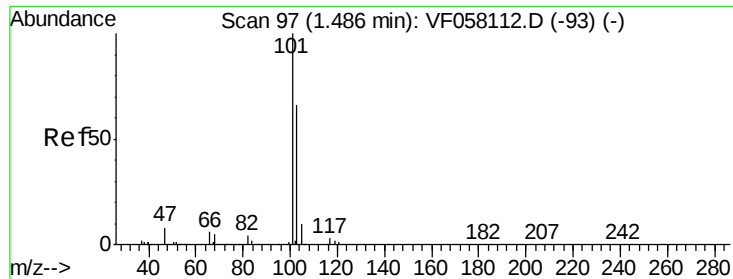
Tgt Ion: 64 Resp: 18646

Ion Ratio Lower Upper

64 100

66 28.9 24.9 37.3





#7

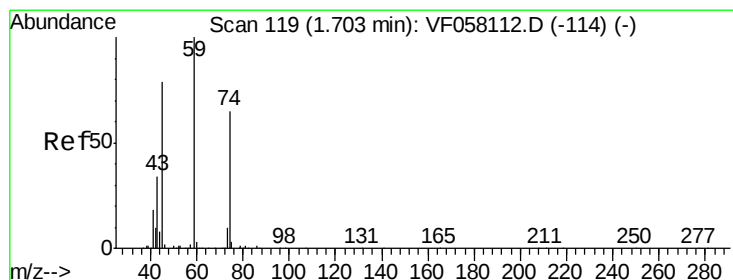
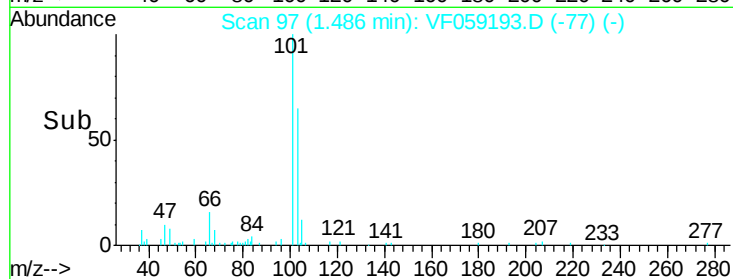
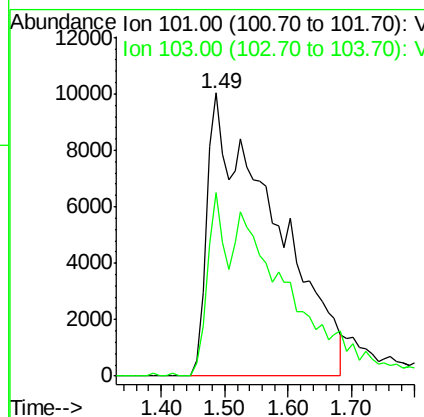
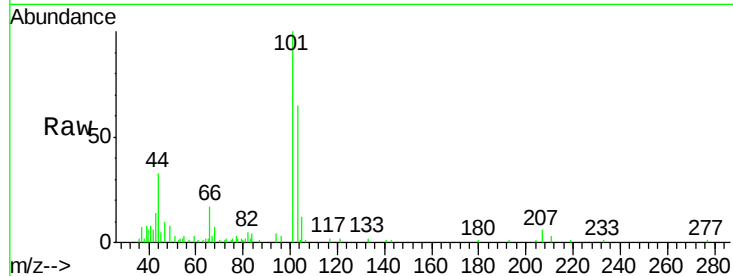
Trichlorofluoromethane
Concen: 21.33 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

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ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.4	80.2

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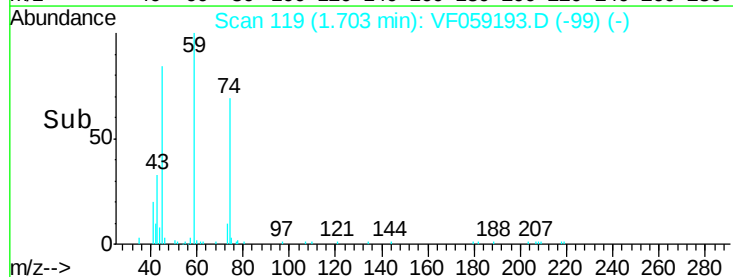
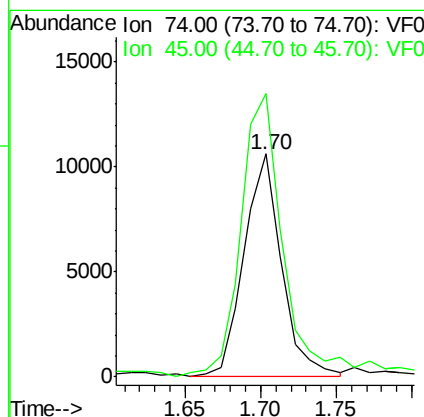
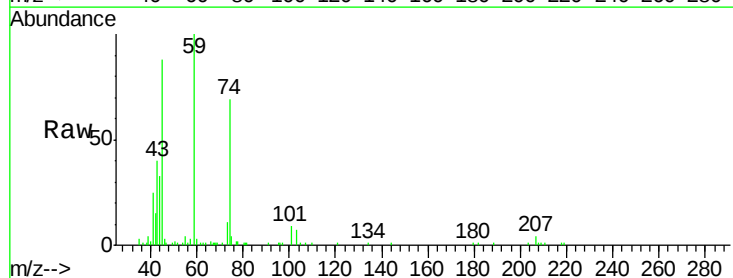
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#8

Diethyl Ether
Concen: 21.41 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.9	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.98 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

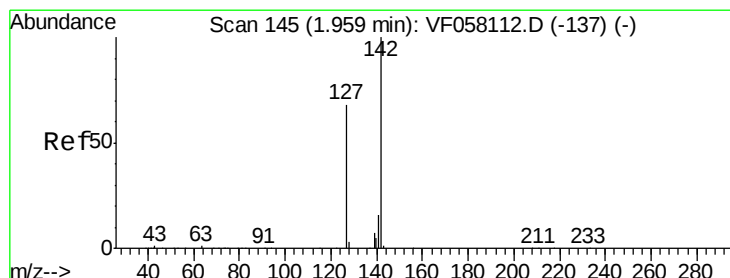
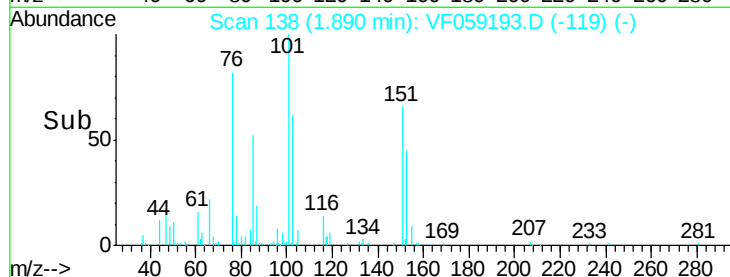
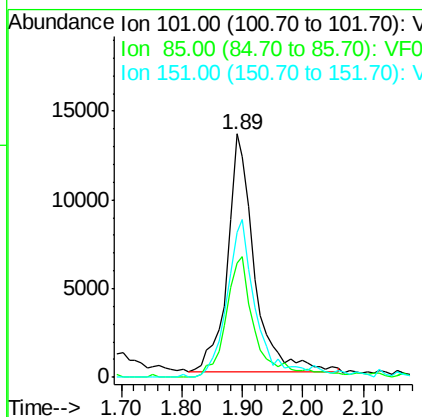
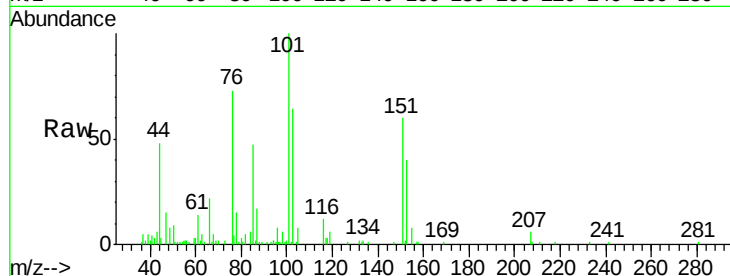
ClientSampleId :

VF0619SBS01

Tot Ion:	101	Resp:	41305
Ion Ratio	Lower	Upper	
101	100		
85	46.8	42.2	63.4
151	59.5	56.8	85.2

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#10

Methyl Iodide

Concen: 19.60 ug/l

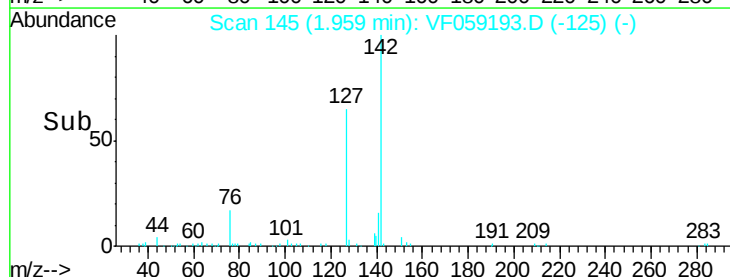
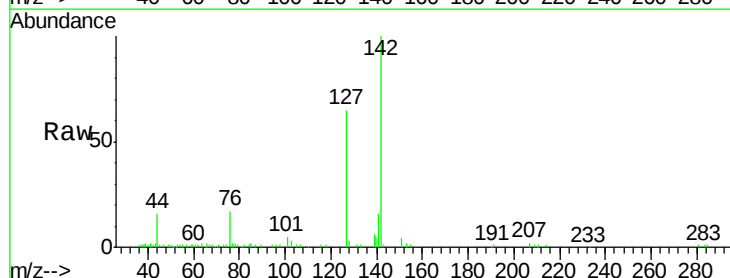
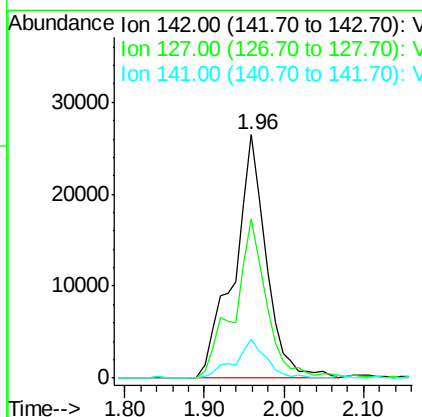
RT: 1.96 min Scan# 145

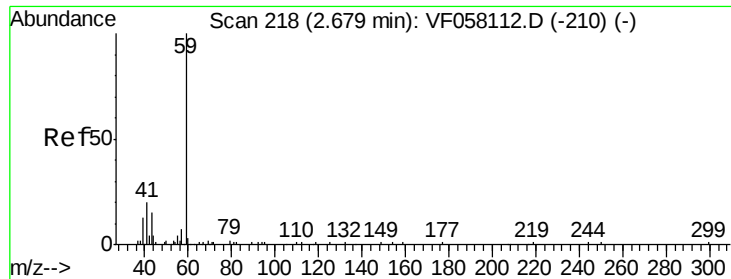
Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	142	Resp:	74621
Ion Ratio	Lower	Upper	
142	100		
127	65.4	54.1	81.1
141	15.8	13.0	19.4





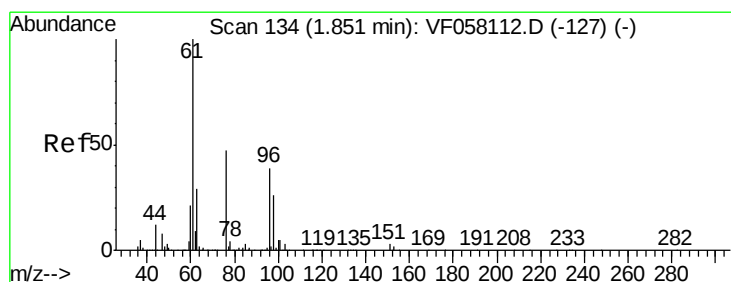
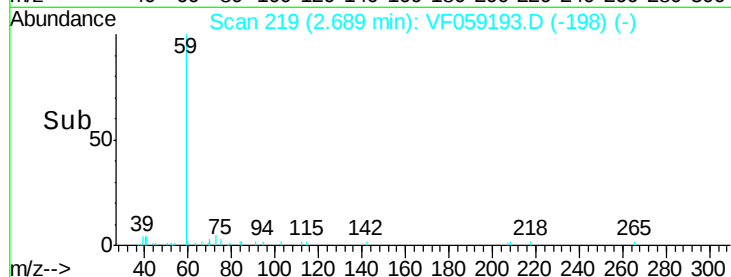
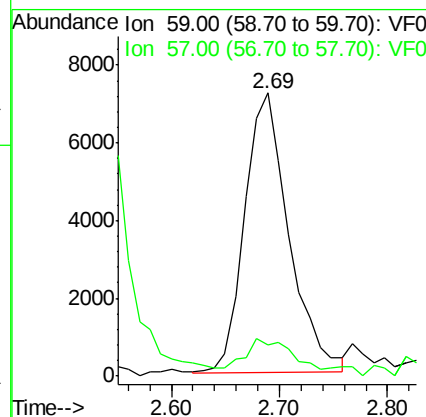
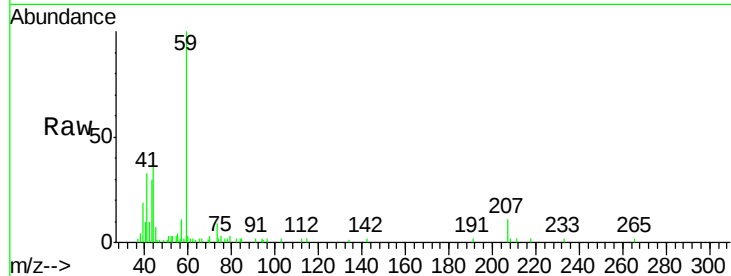
#11
Tert butyl alcohol
Concen: 94.96 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.7	13.1

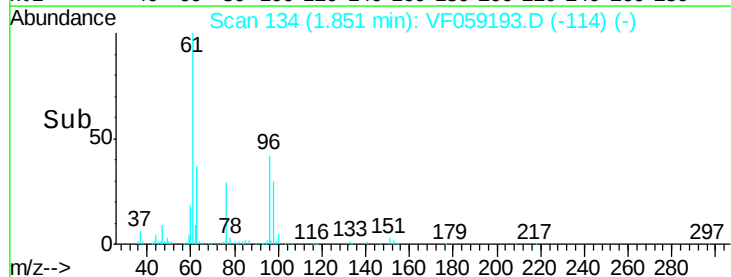
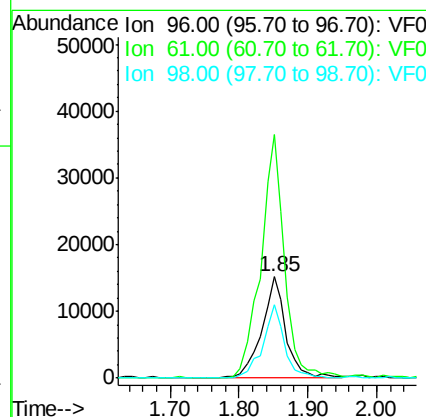
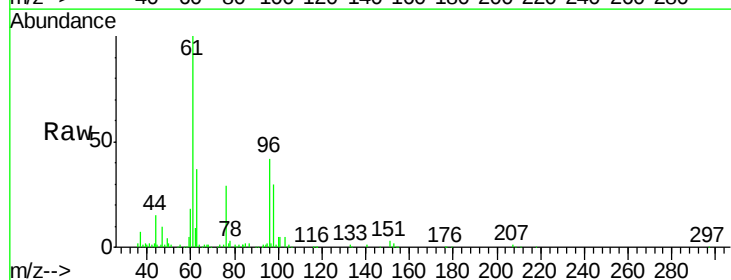
Manual Integrations
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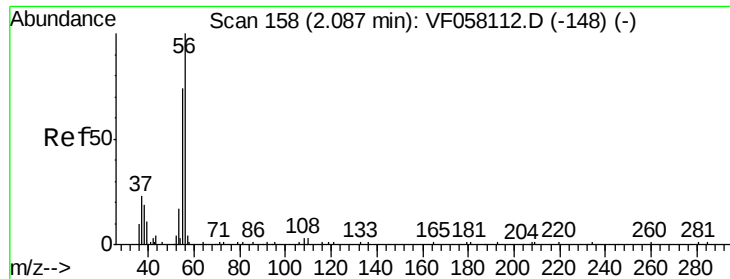
apatel
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#12
1,1-Dichloroethene
Concen: 20.48 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	239.9	203.0	304.4
98	72.3	52.7	79.1





#13

Acrolein

Concen: 69.33 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 56 Resp: 12952

Ion Ratio Lower Upper

56 100

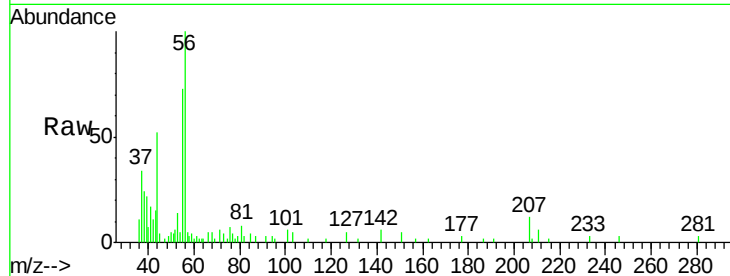
55 73.4 60.0 90.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

6000

5000

4000

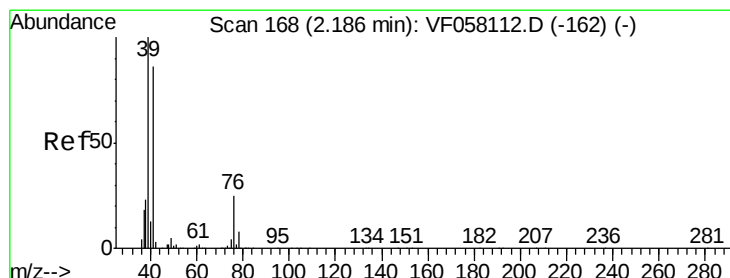
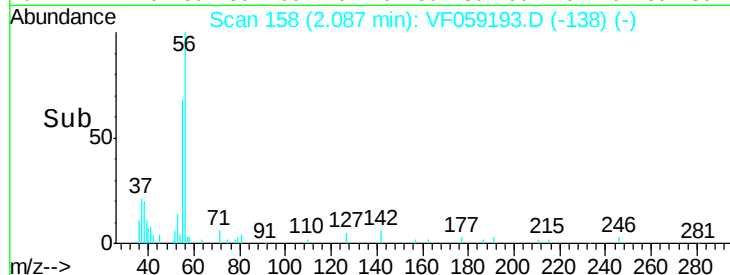
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 20.06 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

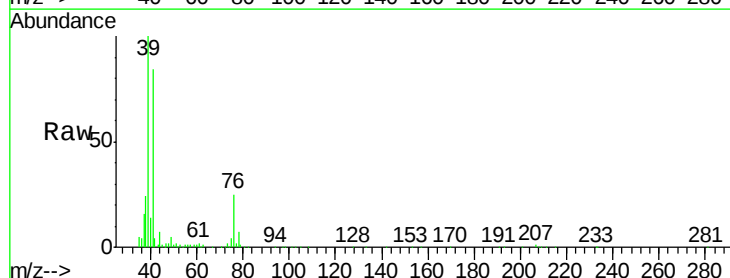
Tgt Ion: 41 Resp: 72044

Ion Ratio Lower Upper

41 100

39 119.2 93.5 140.3

76 29.7 23.9 35.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.19

50000

40000

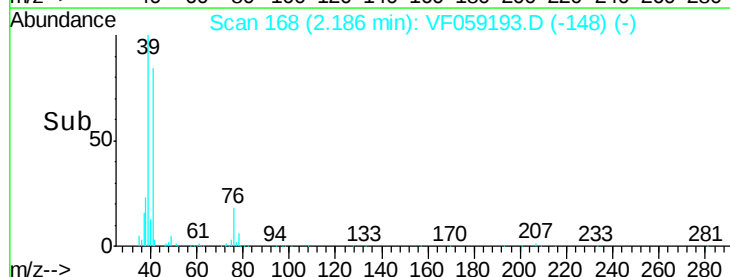
30000

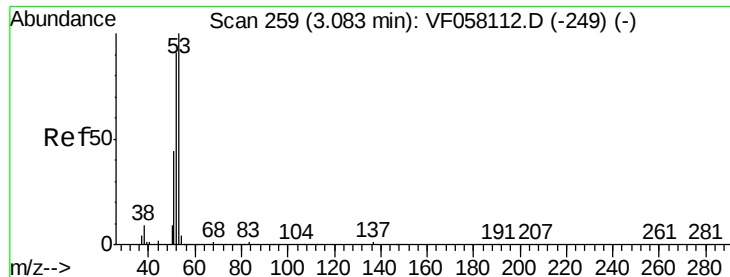
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 101.62 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

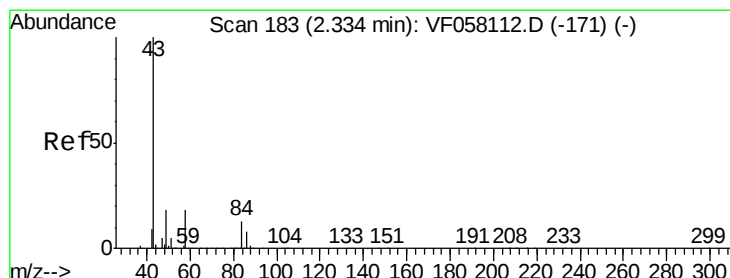
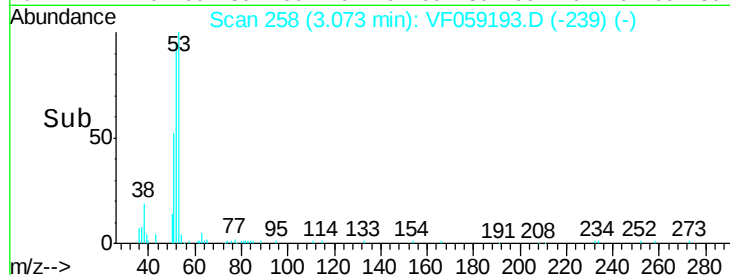
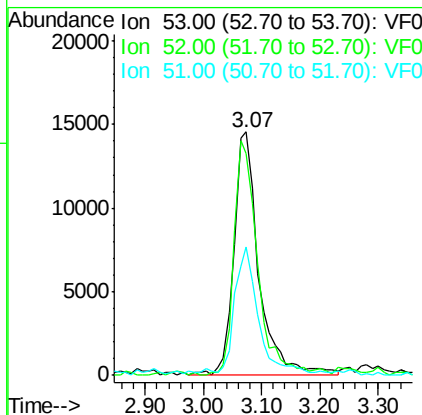
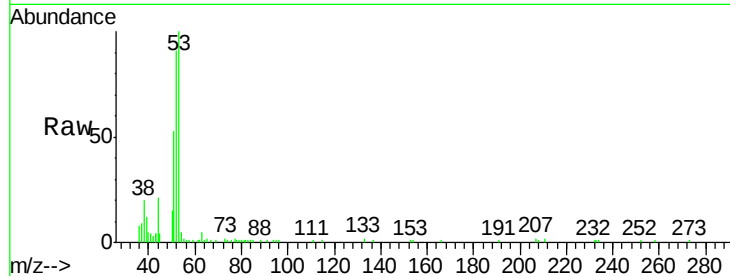
ClientSampleId :

VF0619SBS01

Tot Ion:	53	Resp:	43560
Ion	Ratio	Lower	Upper
53	100		
52	91.1	73.2	109.8
51	52.9	35.6	53.4

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#16

Acetone

Concen: 117.65 ug/l

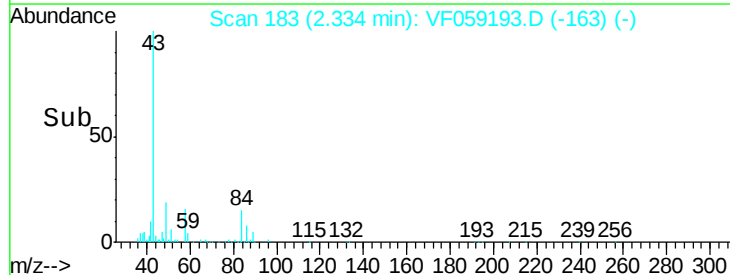
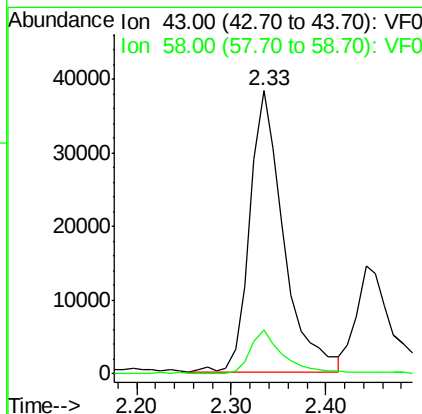
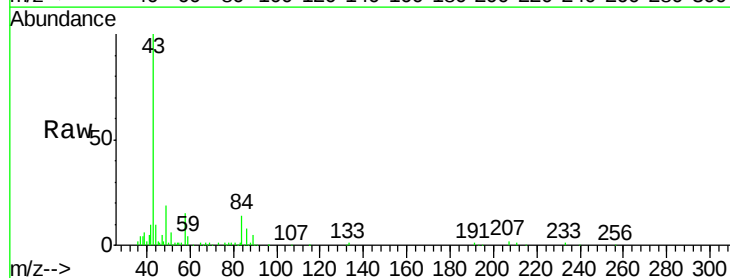
RT: 2.33 min Scan# 183

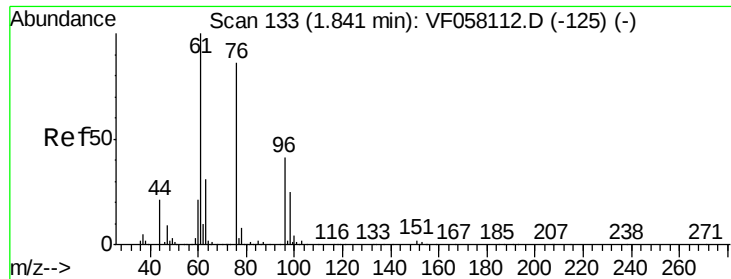
Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	43	Resp:	94619
Ion	Ratio	Lower	Upper
43	100		
58	15.4	14.4	21.6





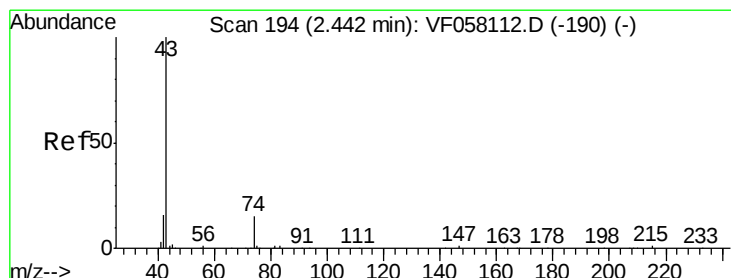
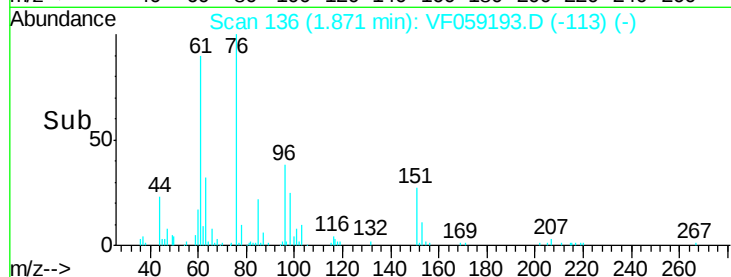
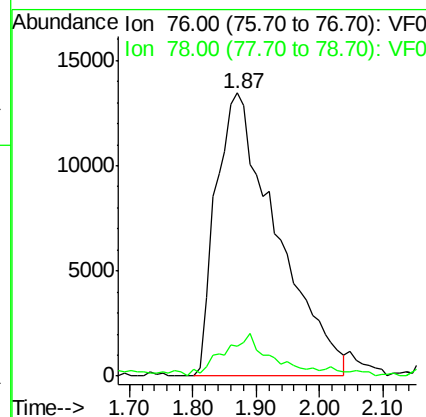
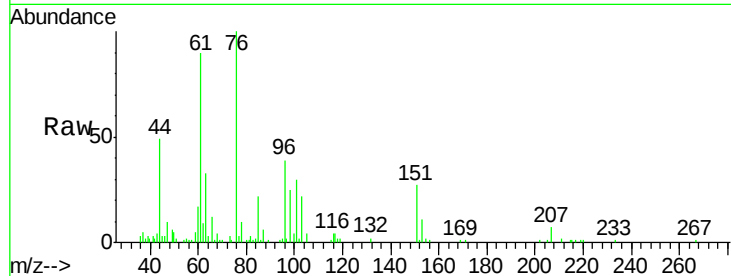
#17
Carbon Disulfide
Concen: 17.44 ug/l m
RT: 1.87 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion: 76 Resp: 89592
Ion Ratio Lower Upper
76 100
78 10.5 7.8 11.8

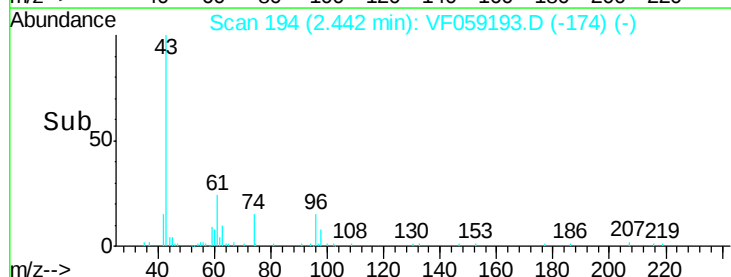
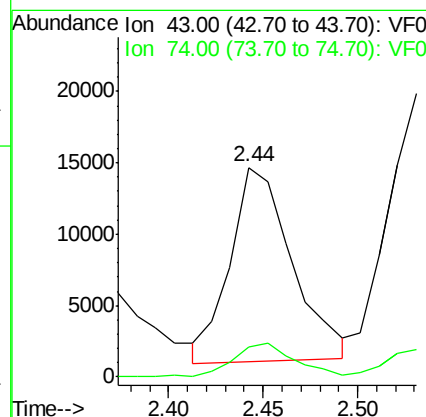
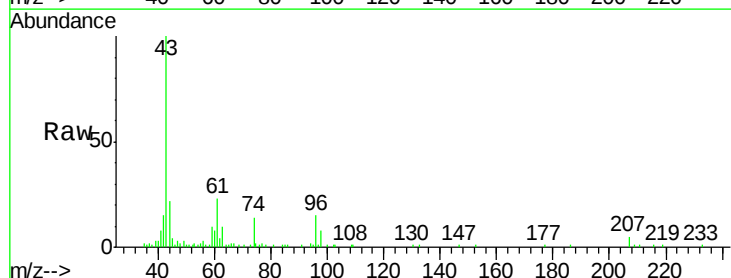
Manual Integrations
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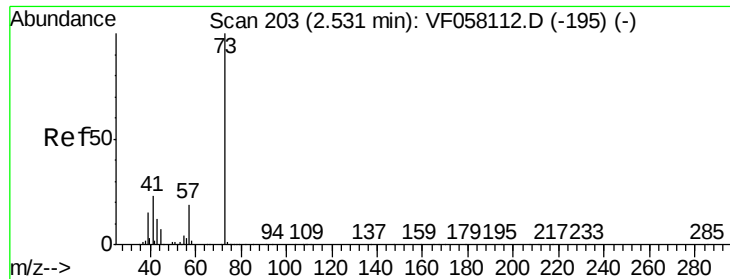
apatel
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#18
Methyl Acetate
Concen: 22.35 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 43 Resp: 30904
Ion Ratio Lower Upper
43 100
74 14.2 10.9 16.3





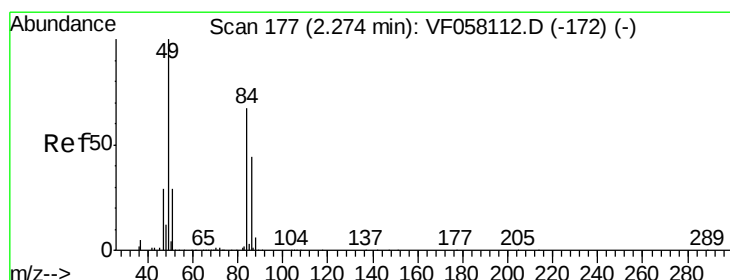
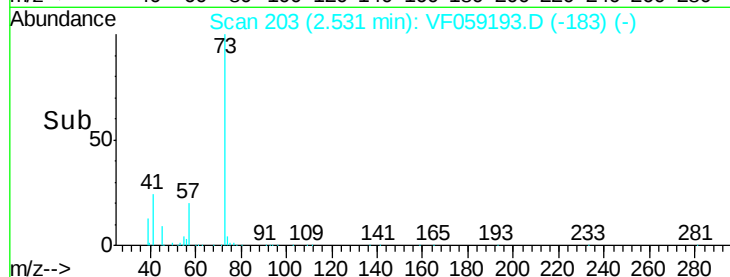
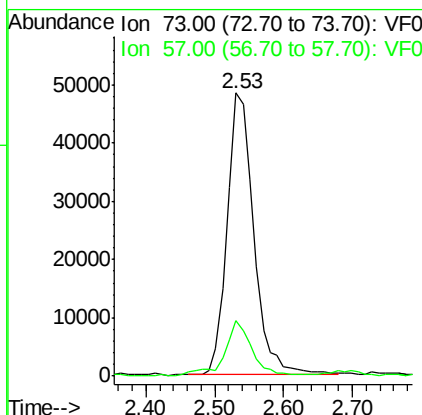
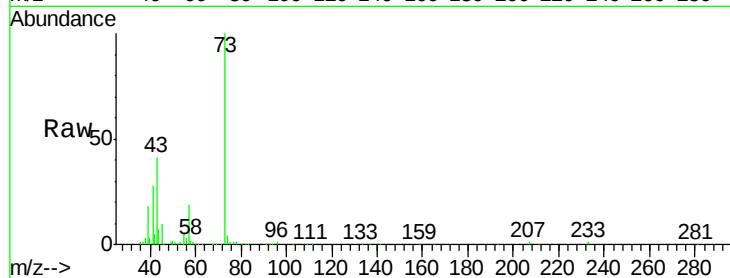
#19
Methvl tert-butvl Ether
Concen: 22.98 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion: 73 Resp: 130533
Ion Ratio Lower Upper
73 100
57 19.4 15.0 22.4

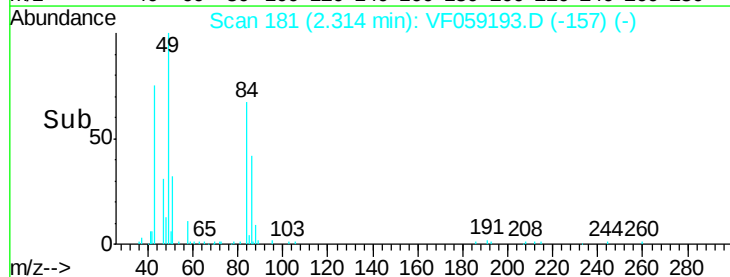
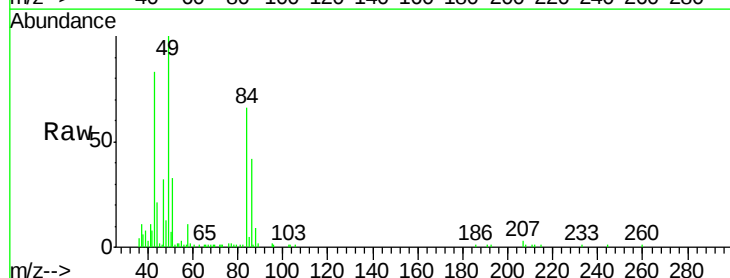
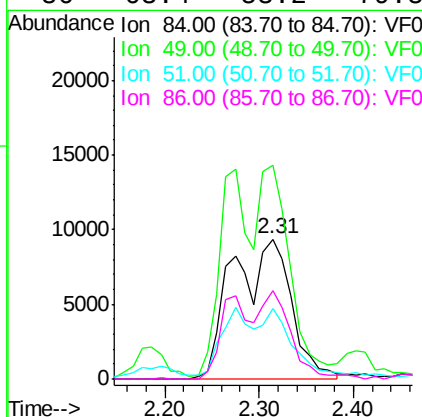
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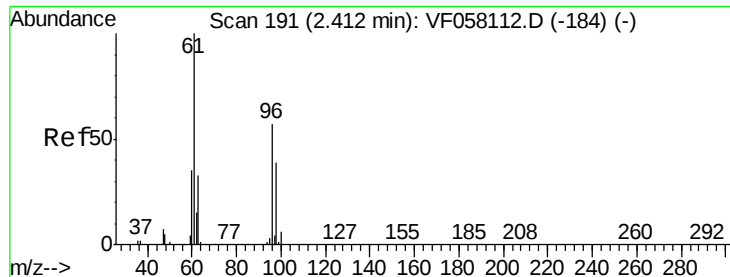
apatel
6/20/2018 10:16:25 AM



#20
Methylene Chloride
Concen: 21.04 ug/l m
RT: 2.31 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 84 Resp: 40509
Ion Ratio Lower Upper
84 100
49 152.4 121.0 181.4
51 50.0 35.8 53.6
86 63.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 19.43 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

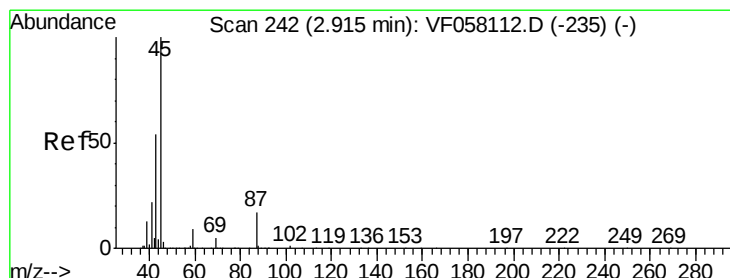
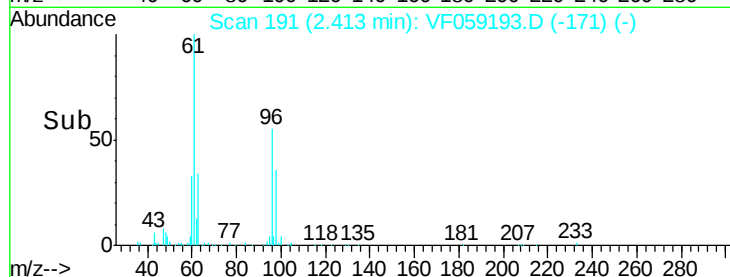
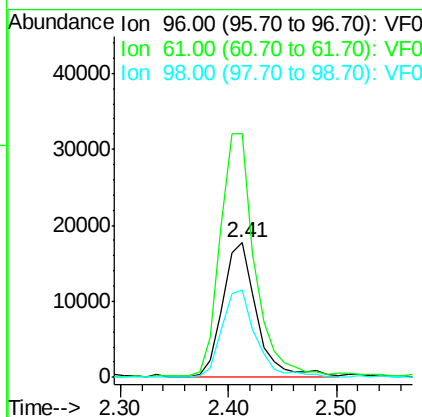
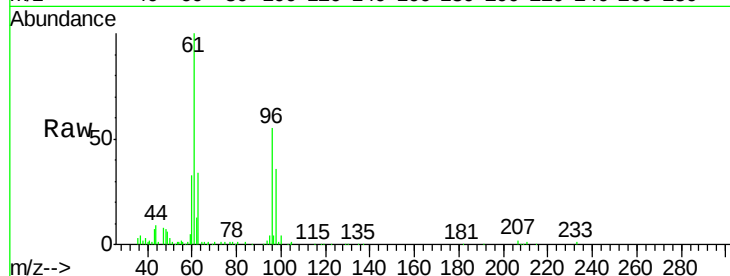
ClientSampleId :

VF0619SBS01

Tot Ion:	96	Resp:	38989
Ion	Ratio	Lower	Upper
96	100		
61	181.3	139.4	209.2
98	65.5	54.0	81.0

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#22

Diisopropyl ether

Concen: 22.03 ug/l

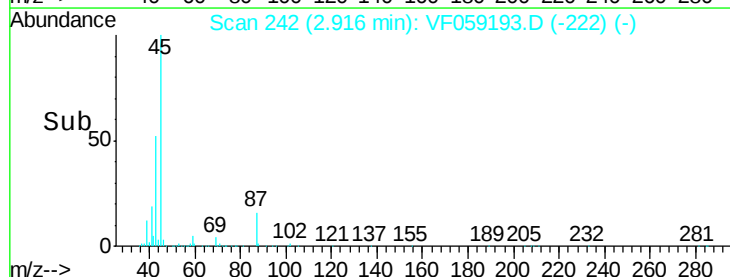
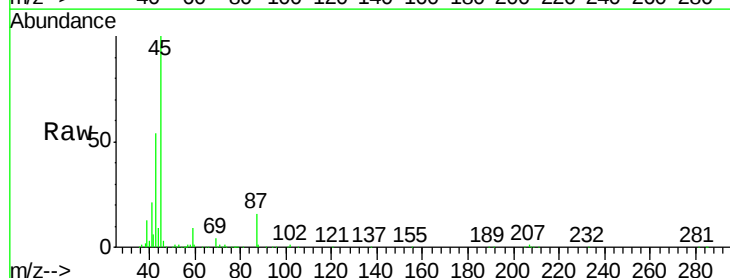
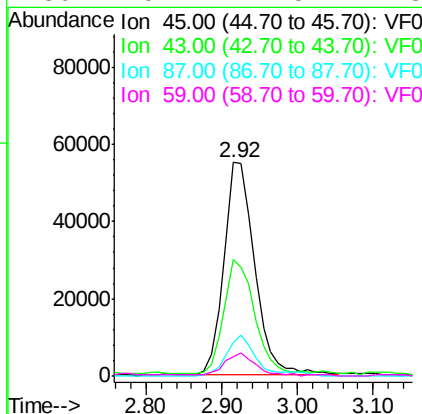
RT: 2.92 min Scan# 242

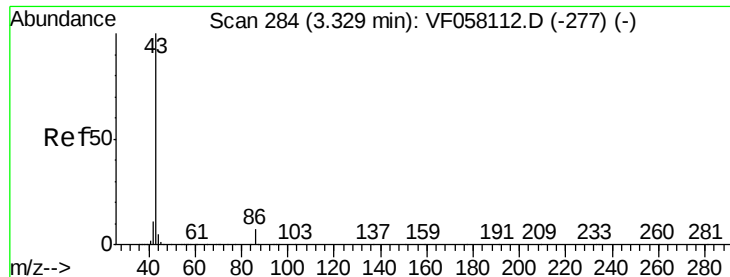
Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	45	Resp:	155549
Ion	Ratio	Lower	Upper
45	100		
43	54.4	43.2	64.8
87	15.8	13.8	20.6
59	9.2	7.5	11.3





#23

Vinyl Acetate

Concen: 109.67 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 43 Resp: 510587

Ion Ratio Lower Upper

43 100

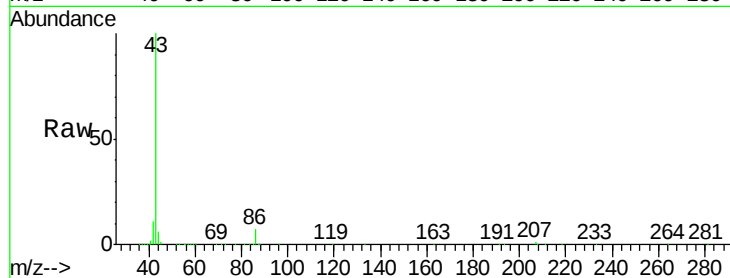
86 6.7 6.0 9.0

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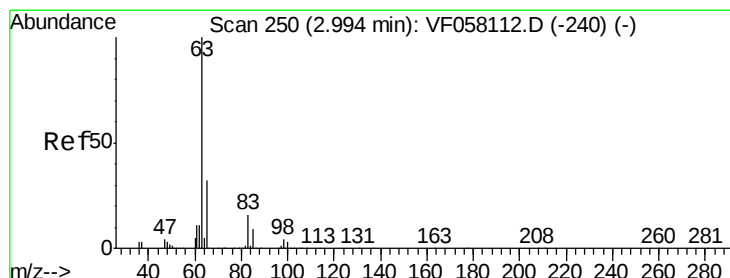
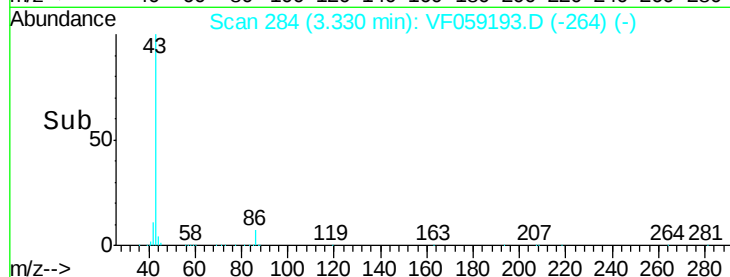
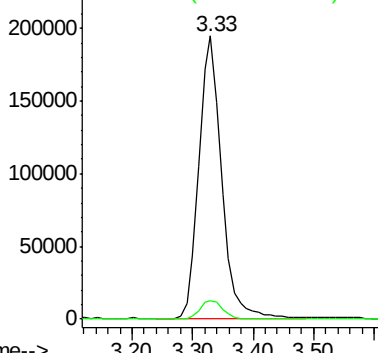
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.49 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

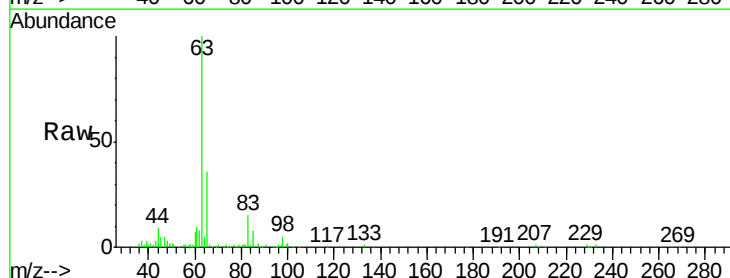
Tgt Ion: 63 Resp: 92002

Ion Ratio Lower Upper

63 100

98 4.7 2.0 6.0

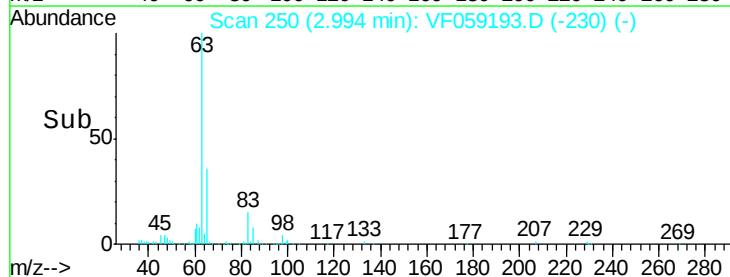
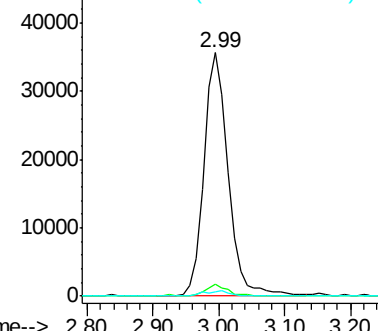
100 1.8 1.4 4.0

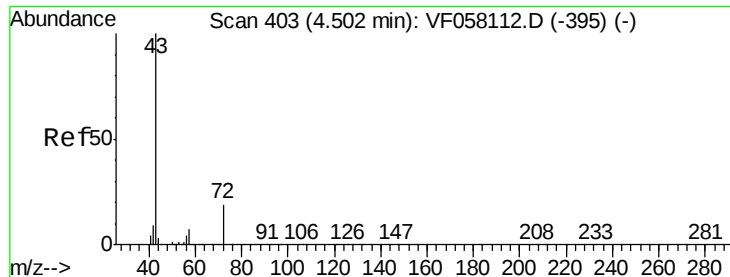


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





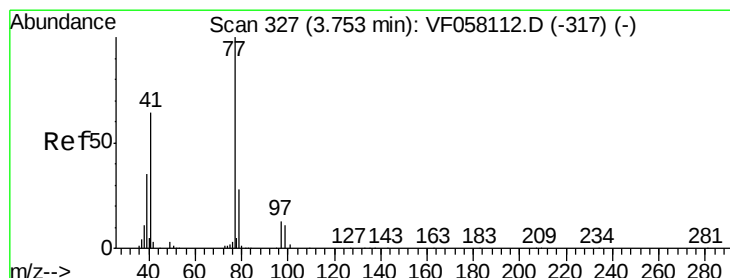
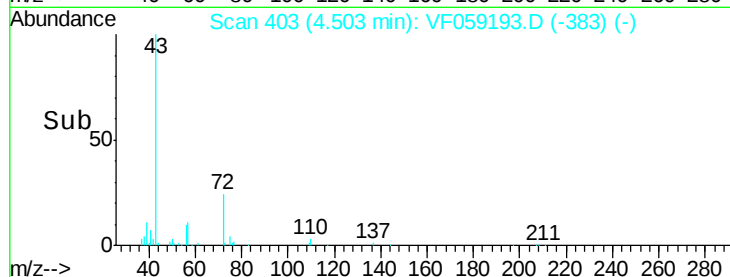
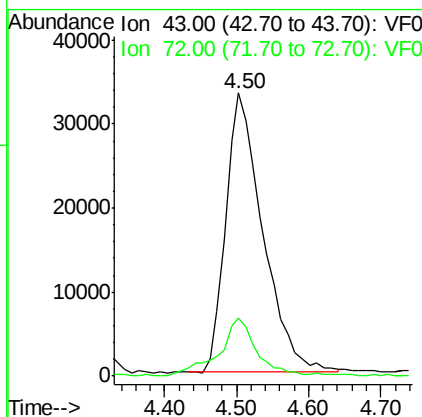
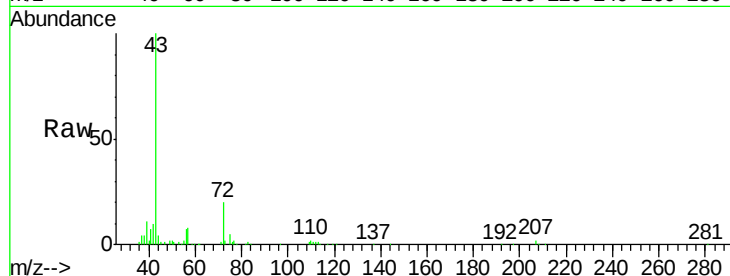
#25
2-Butanone
Concen: 95.14 ug/l
RT: 4.50 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	20.3	16.1	24.1

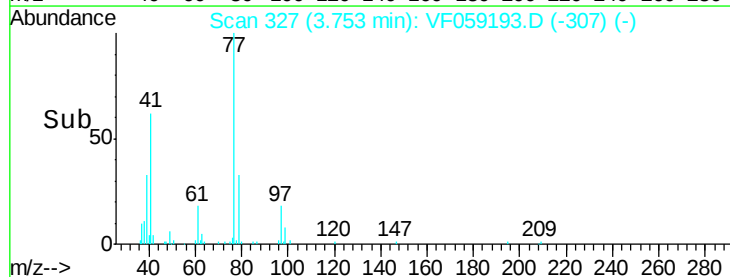
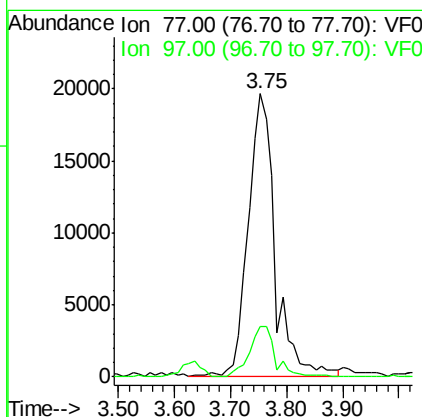
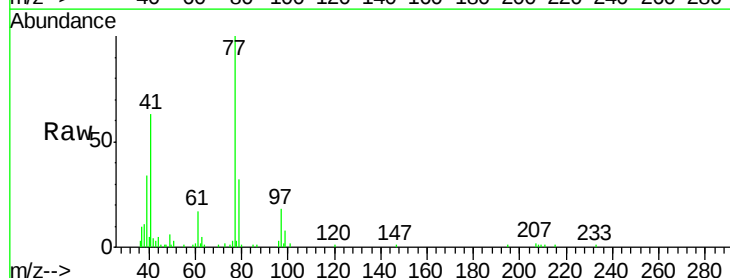
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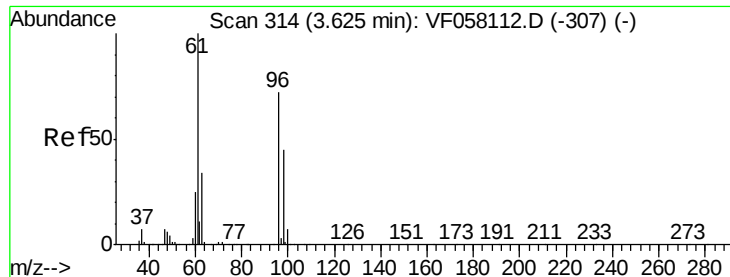
apatel
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#26
2,2-Dichloropropane
Concen: 21.13 ug/l
RT: 3.75 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
77	100		
97	17.7	7.2	21.6





#27

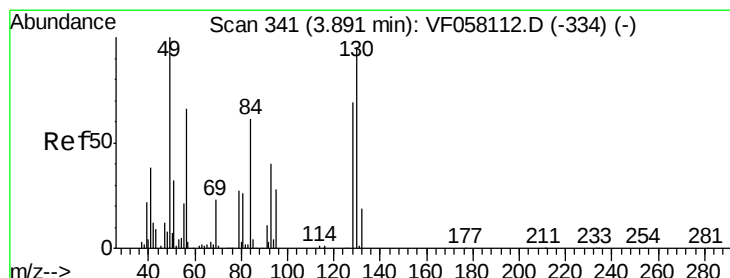
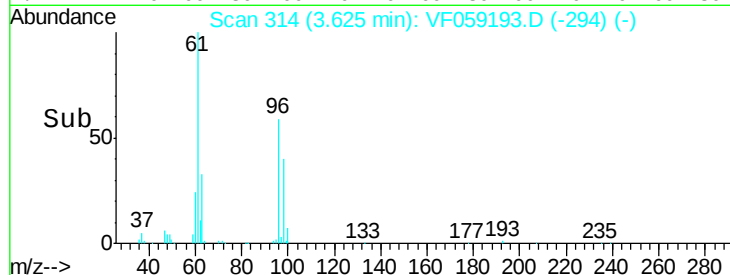
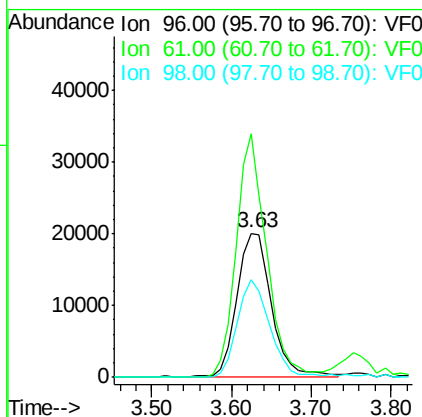
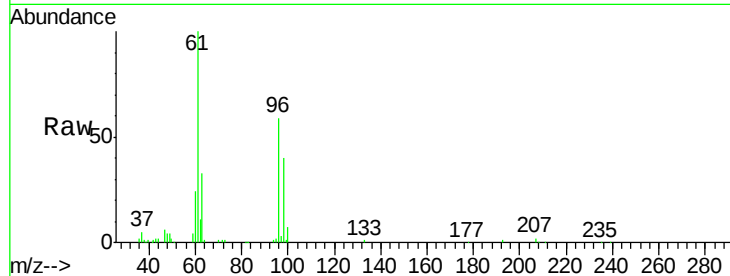
cis-1,2-Dichloroethene
Concen: 19.60 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60552		
61	168.7		0.0	278.6
98	67.9		0.0	125.2

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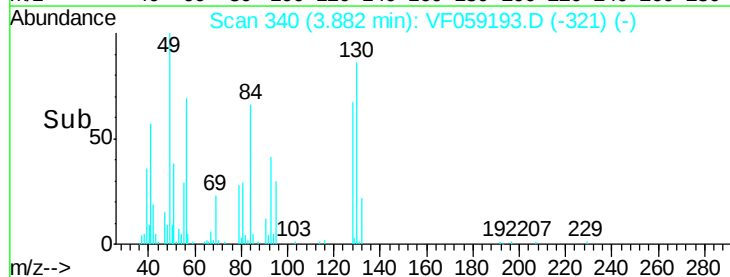
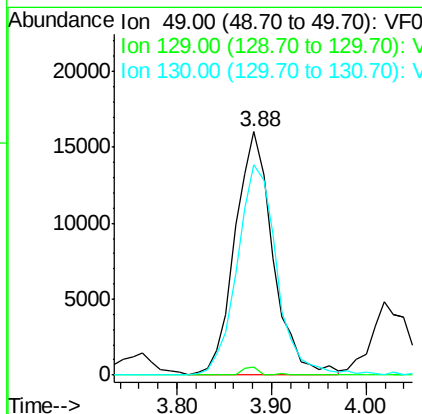
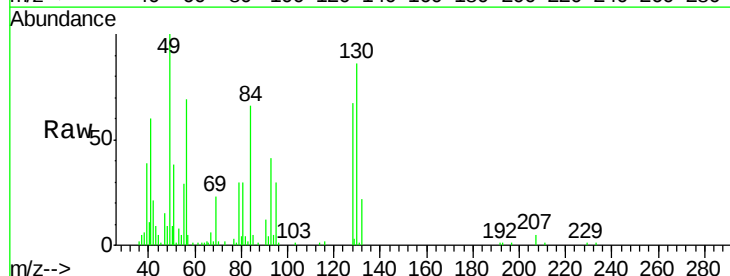
apatel
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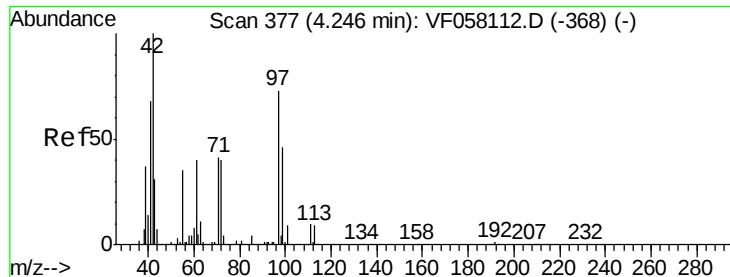


#28

Bromochloromethane
Concen: 23.22 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44743		
129	3.2		0.0	0.0#
130	86.4		75.8	113.8





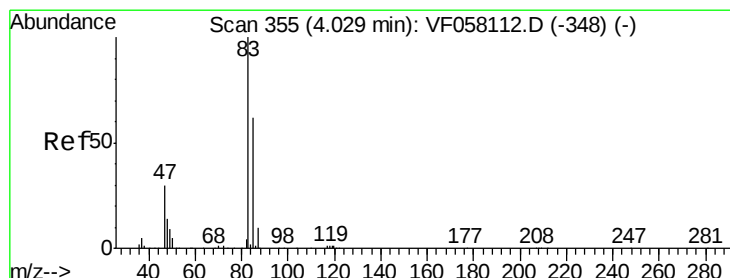
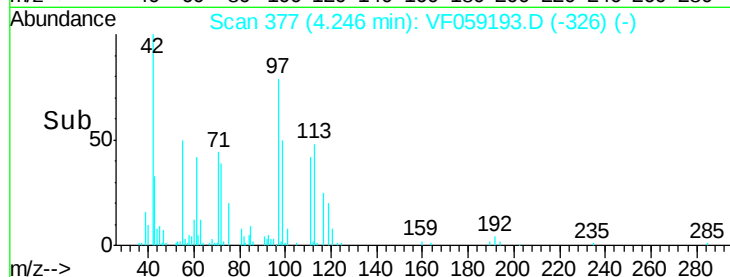
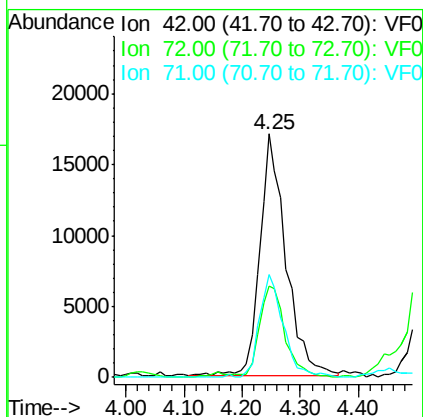
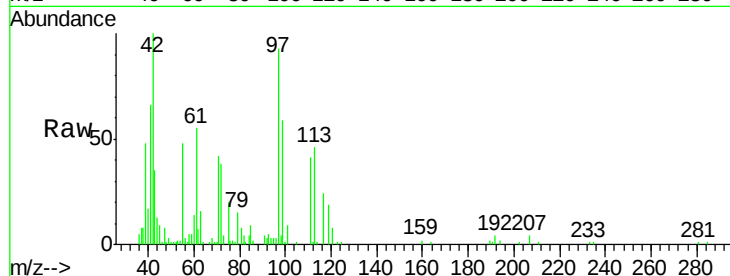
#29
Tetrahydrofuran
Concen: 97.98 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	30.5	45.7
71	39.0	31.5	47.3

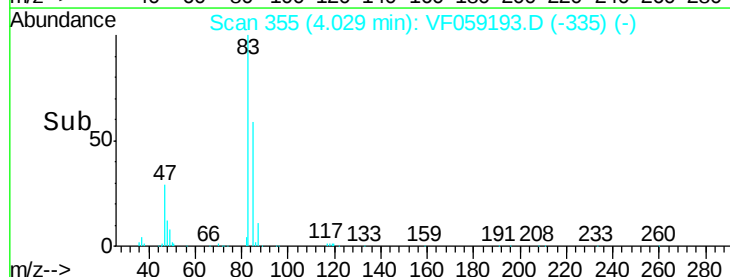
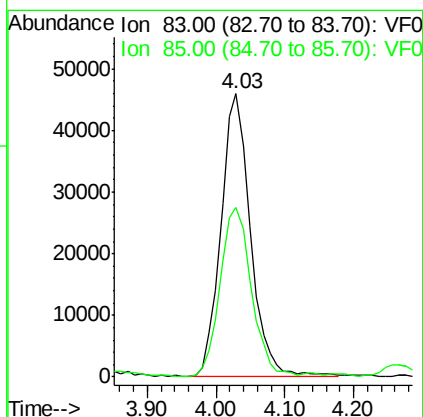
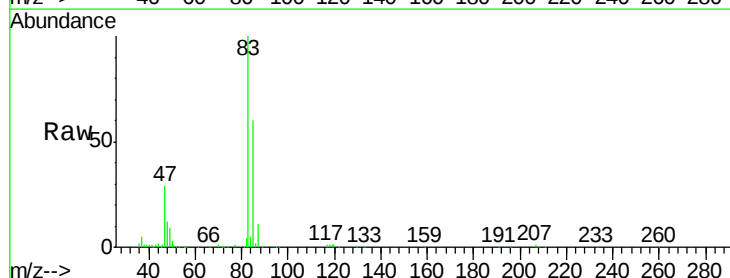
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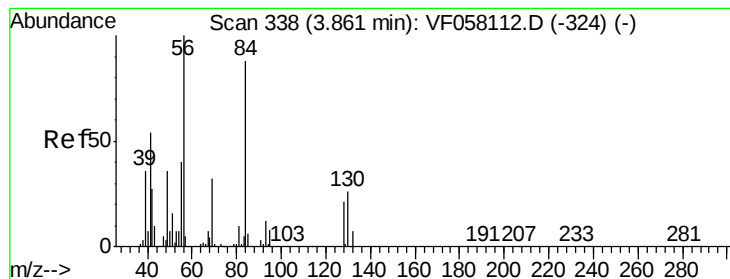
apatel
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#30
Chloroform
Concen: 22.39 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	49.5	74.3





#31

Cyclohexane

Concen: 18.24 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

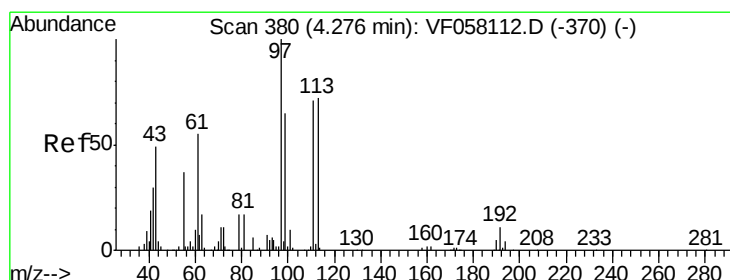
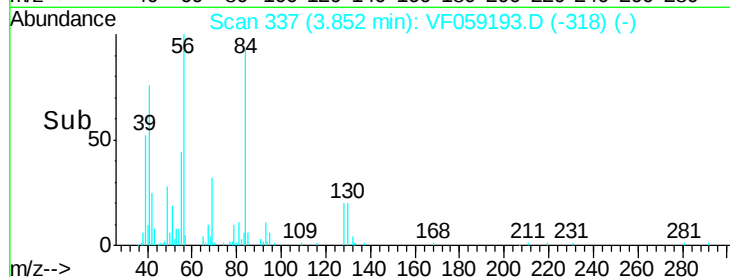
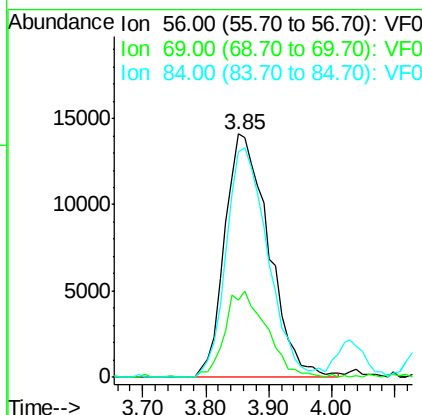
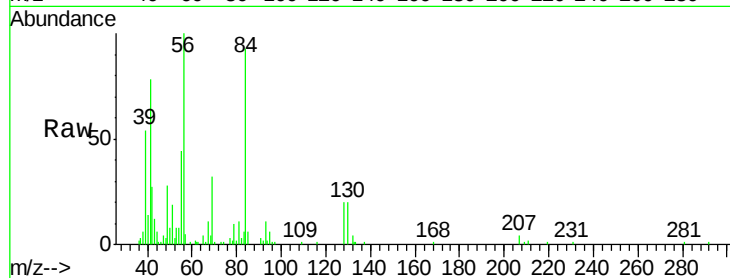
ClientSampleId :

VF0619SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.6	25.9	38.9	
84	92.9	70.3	105.5	

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#32

1,1,1-Trichloroethane

Concen: 21.19 ug/l

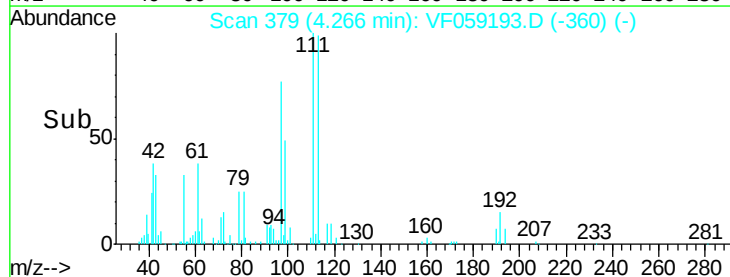
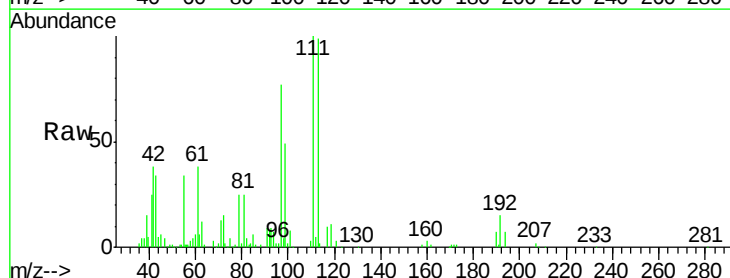
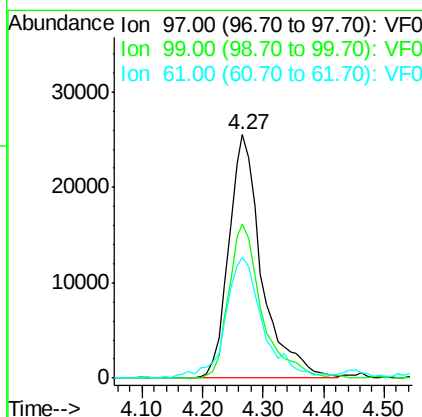
RT: 4.27 min Scan# 379

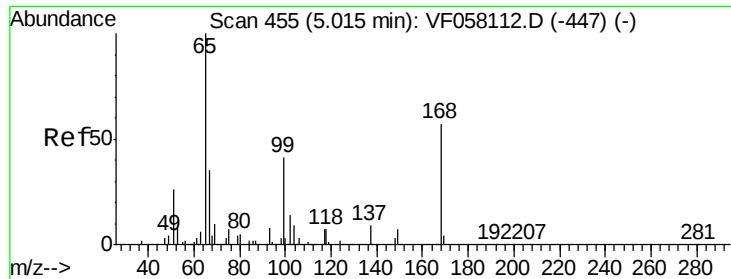
Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.4	52.0	78.0	
61	49.5	44.3	66.5	





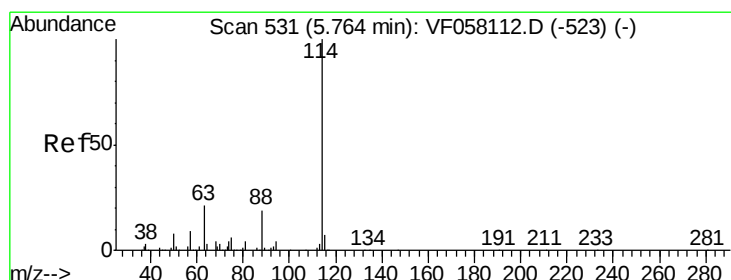
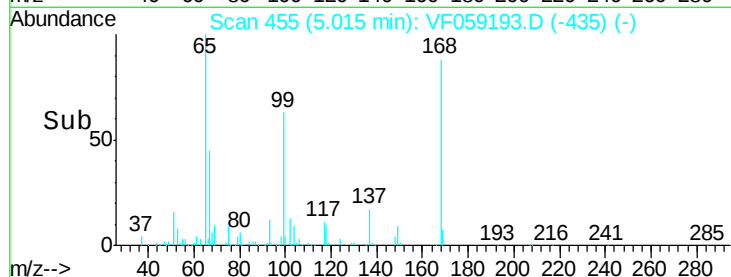
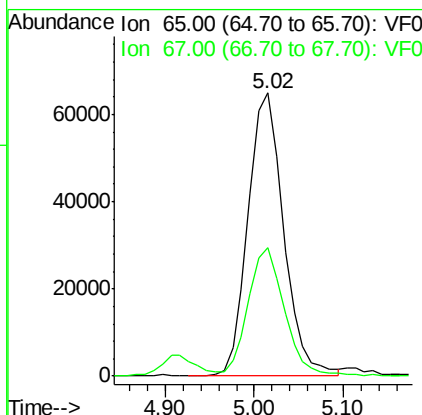
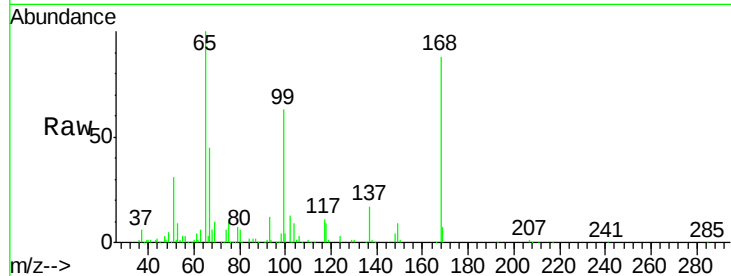
#33
 1,2-Dichloroethane-d4
 Concen: 53.02 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178606		
67	45.3	0.0	97.0	

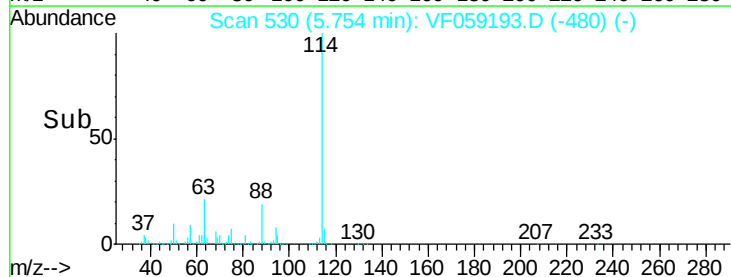
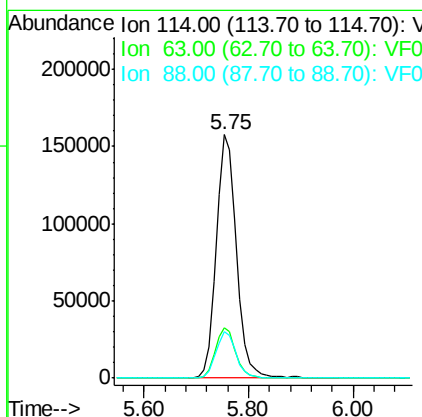
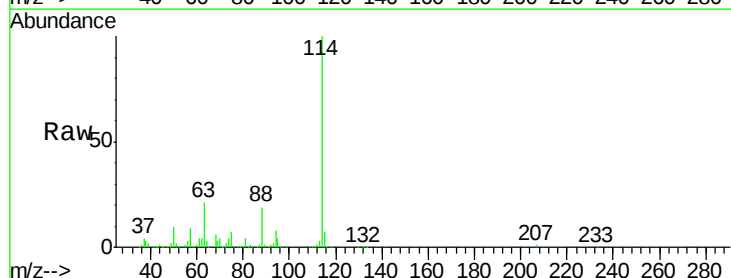
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	425031		
63	20.8	0.0	41.6	
88	18.8	0.0	38.8	





#35

Dibromofluoromethane

Concen: 55.19 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

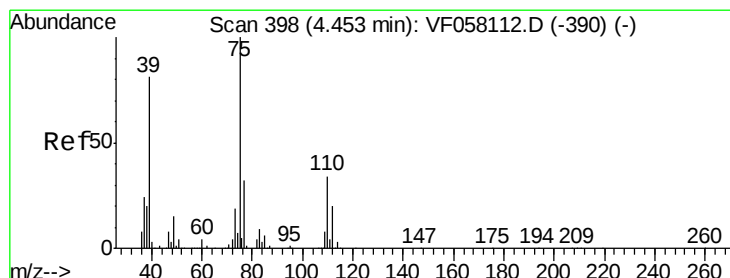
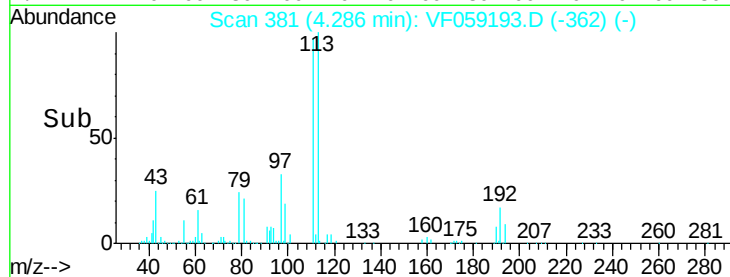
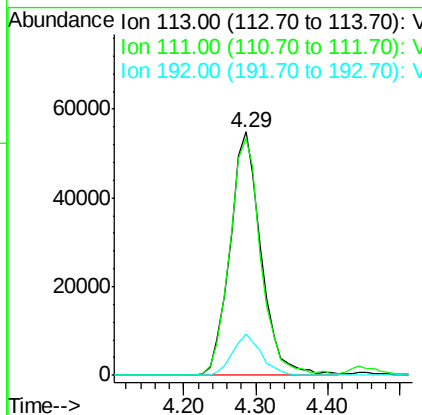
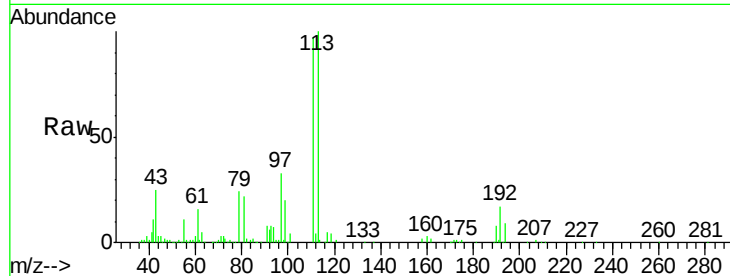
ClientSampleId :

VF0619SBS01

Tot Ion:	113	Resp:	164595
Ion Ratio	Lower	Upper	
113	100		
111	97.3	81.3	121.9
192	17.0	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 19.57 ug/l

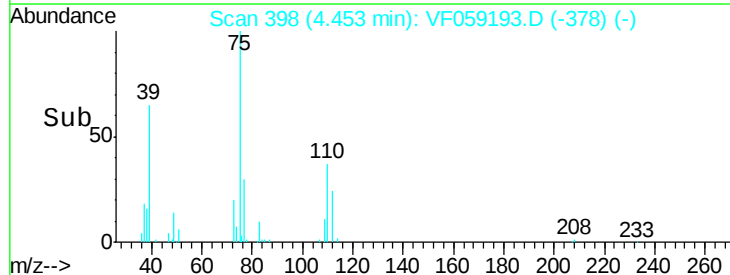
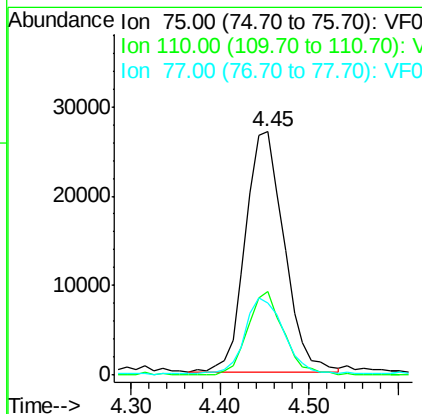
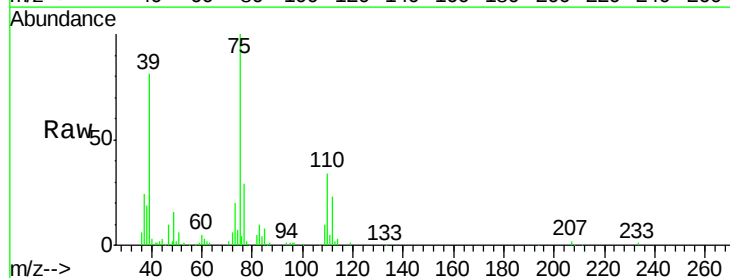
RT: 4.45 min Scan# 398

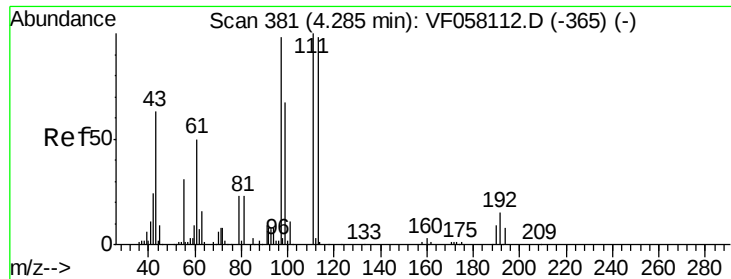
Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	75	Resp:	80613
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.0	50.9
77	29.4	25.3	37.9





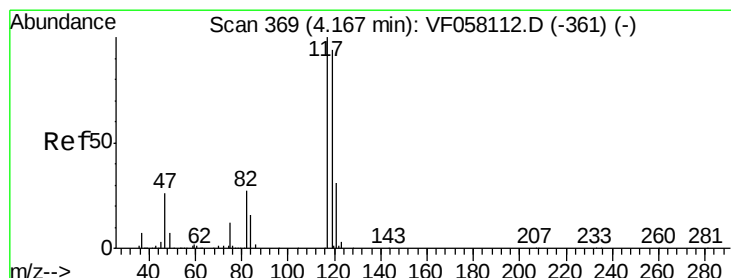
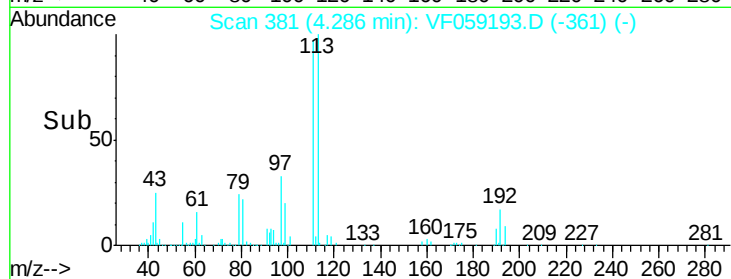
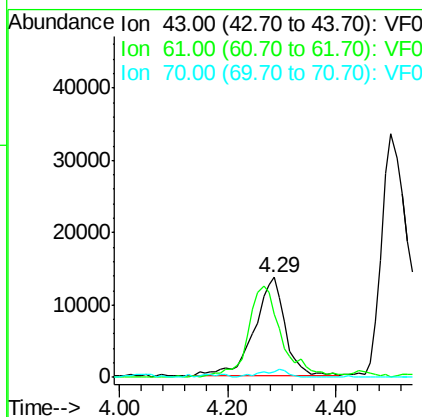
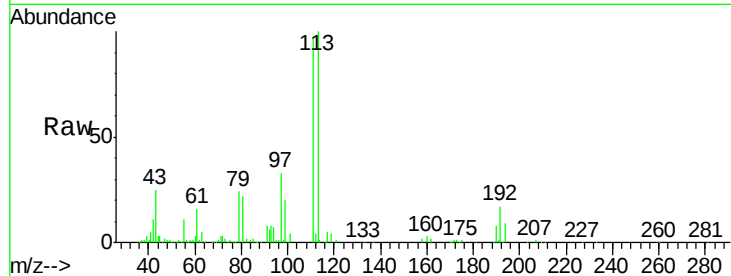
#37
Ethyl Acetate
Concen: 21.48 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						54688
61	63.5	63.0	94.4				
70	5.5	7.5	11.3				

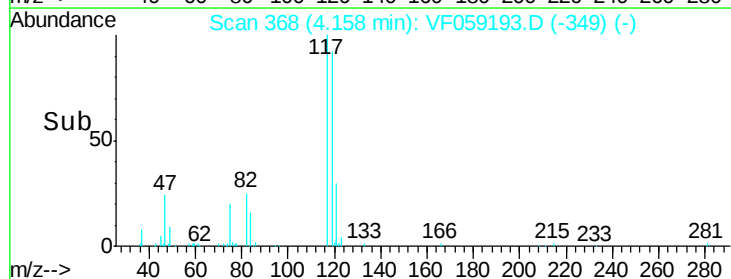
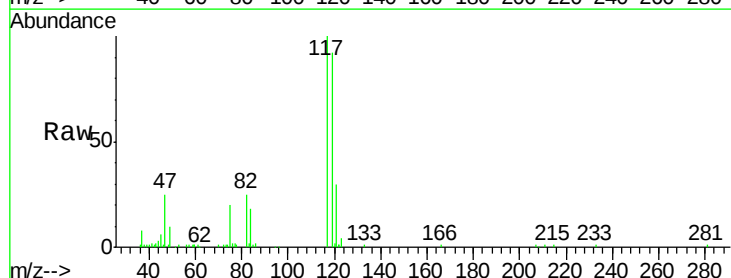
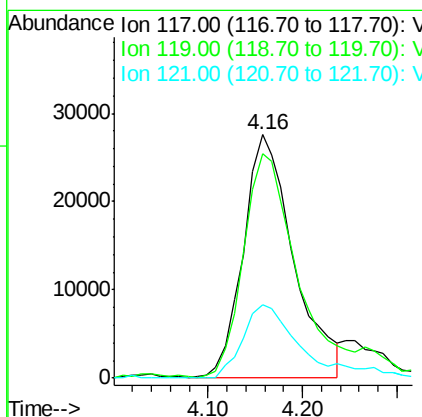
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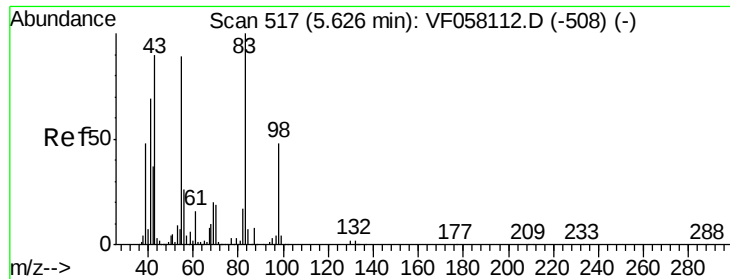
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#38
Carbon Tetrachloride
Concen: 22.88 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						102176
119	92.3	75.7	113.5				
121	29.9	24.8	37.2				





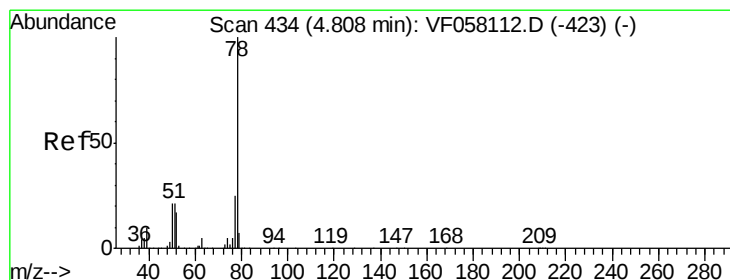
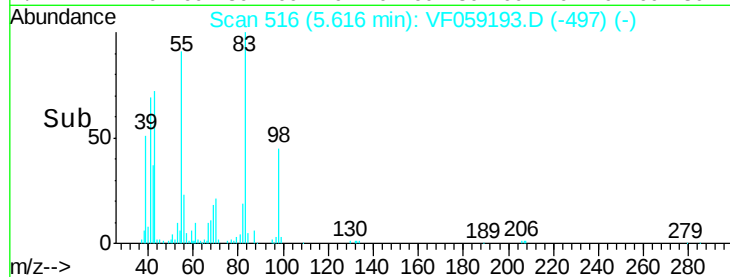
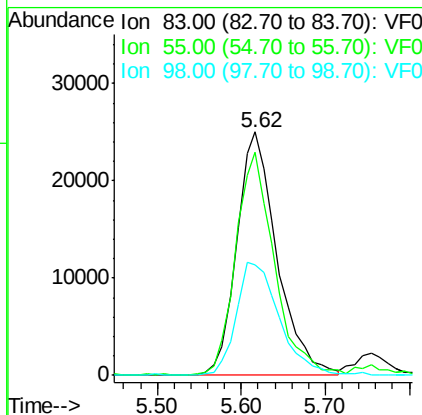
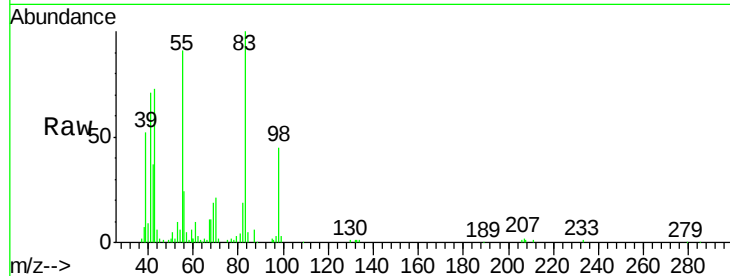
#39
Methvlcvclohexane
Concen: 19.84 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.4	71.0	106.4
98	45.3	38.1	57.1

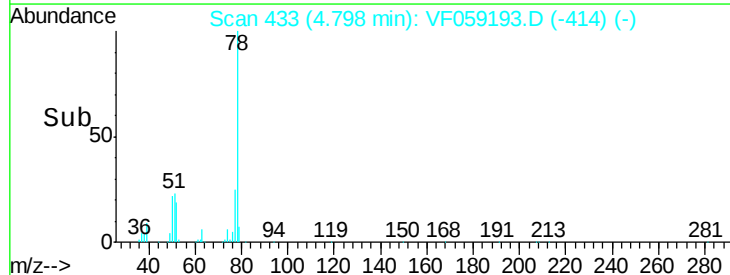
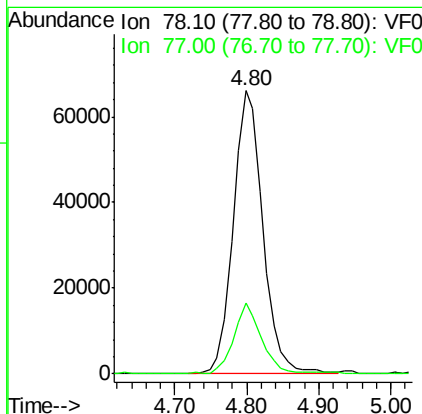
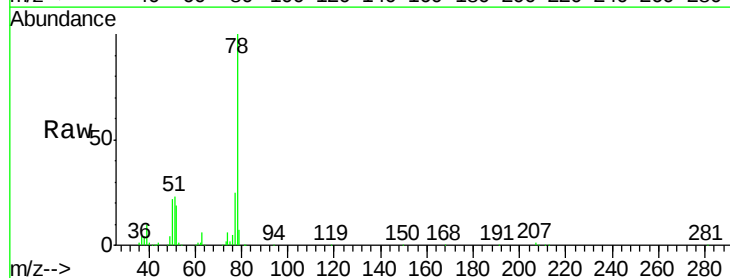
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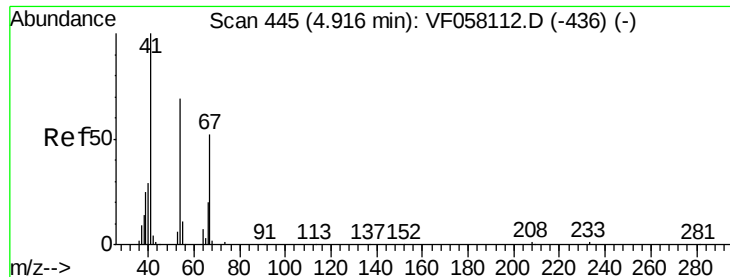
apatel
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#40
Benzene
Concen: 19.76 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.2	30.2





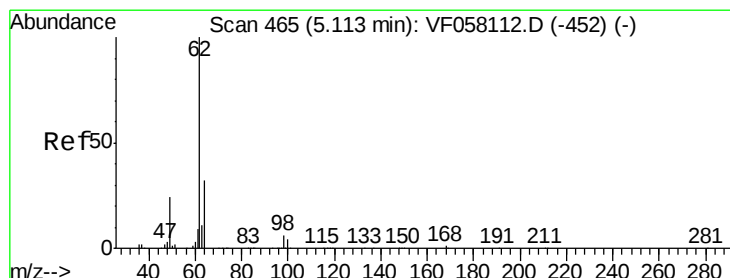
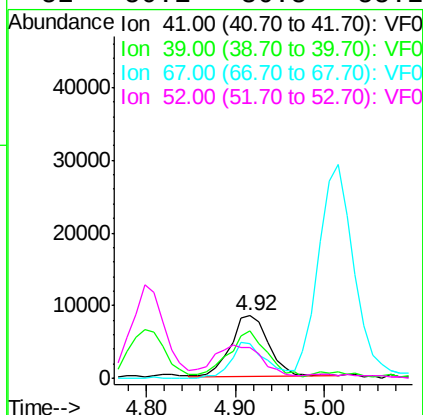
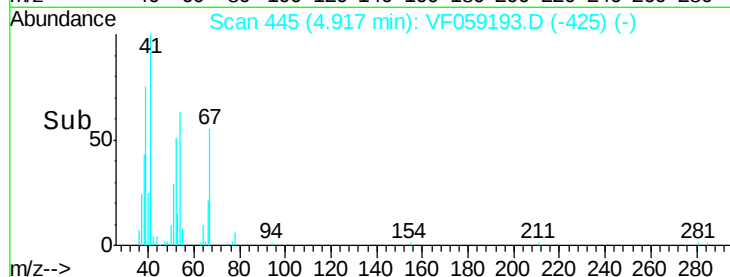
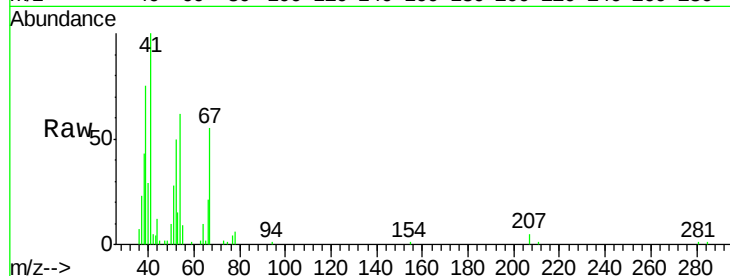
#41
Methacrylonitrile
Concen: 20.04 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	41	Resp:	25068
Ion Ratio	Lower	Upper	
41	100		
39	74.9	53.0	79.4
67	54.7	41.0	61.6
52	50.1	36.8	55.2

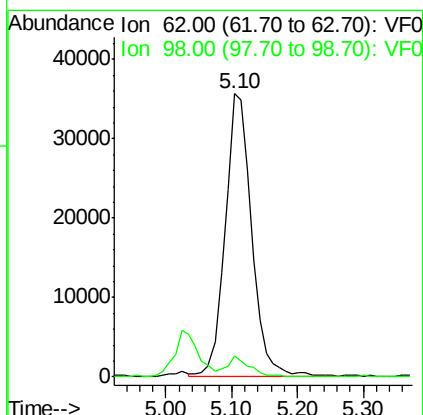
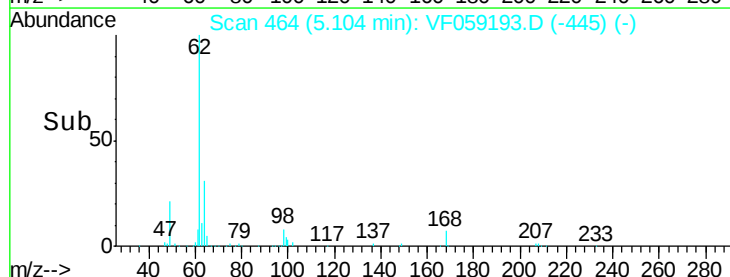
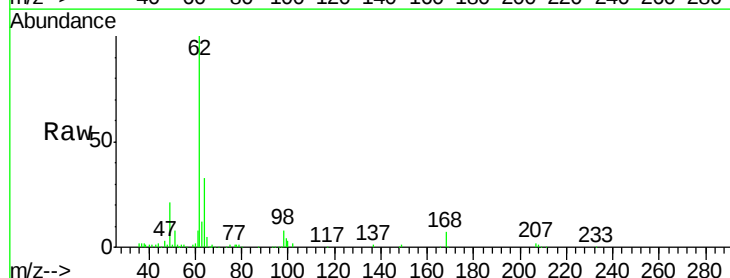
Manual Integrations
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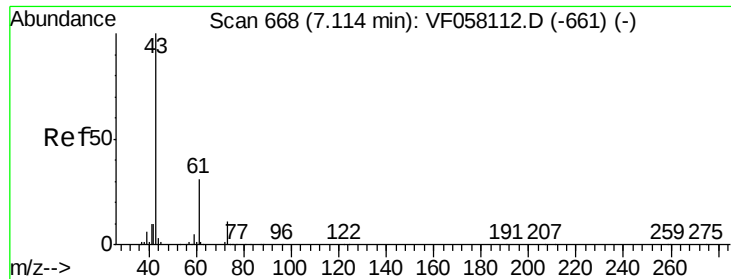
apatel
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#42
1,2-Dichloroethane
Concen: 23.54 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	62	Resp:	100976
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	11.8





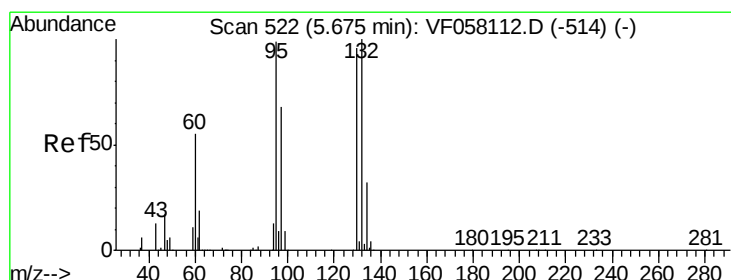
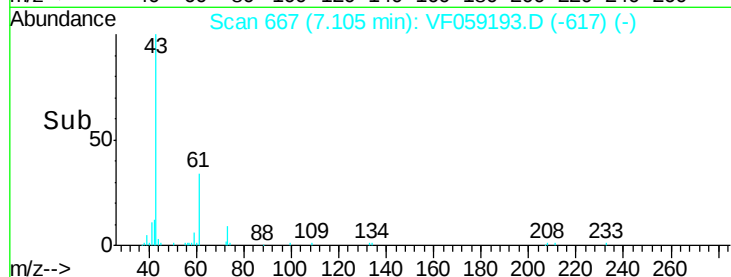
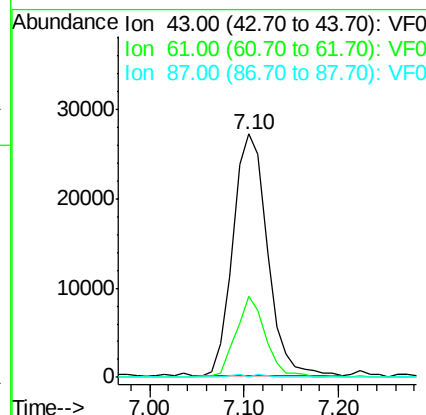
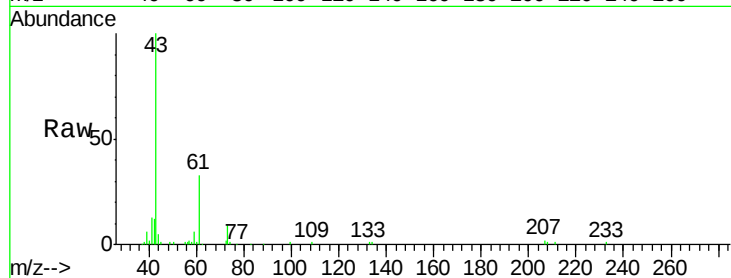
#43
Isopropyl Acetate
Concen: 20.03 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.1	37.7
87	0.0	0.2	0.4

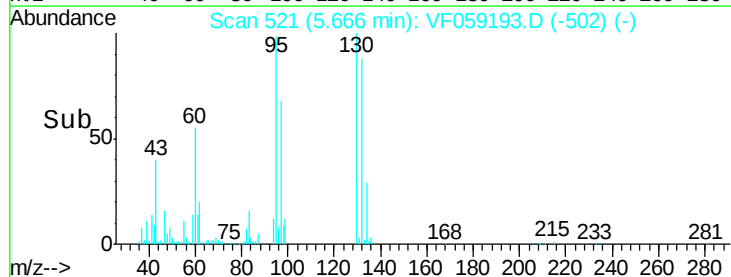
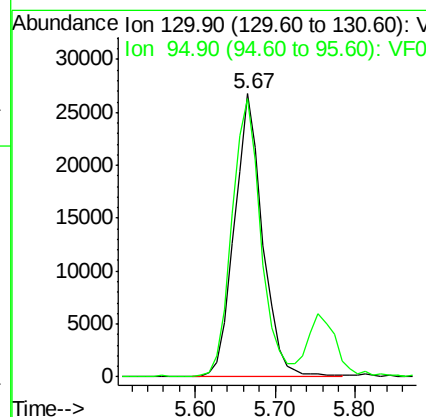
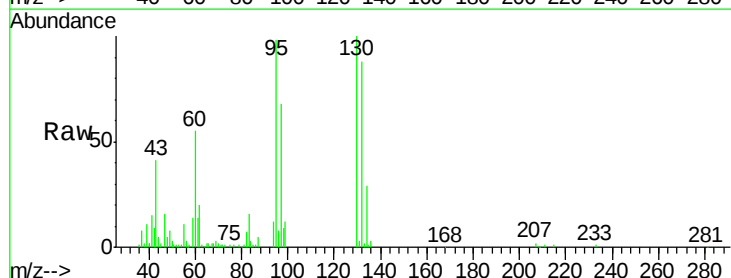
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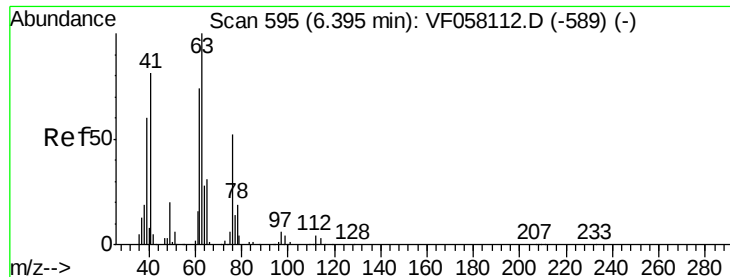
apatel
6/20/2018 10:16:25 AM



#44
Trichloroethene
Concen: 22.15 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	206.8





#45

1,2-Dichloropropane

Concen: 19.49 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 63 Resp: 53737

Ion Ratio Lower Upper

63 100

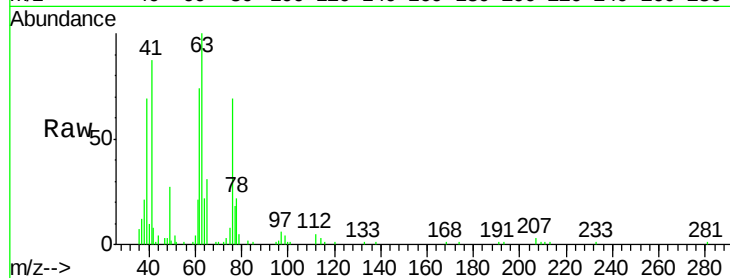
65 31.4 24.6 37.0

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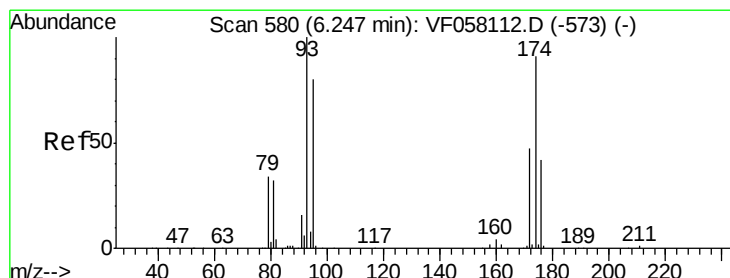
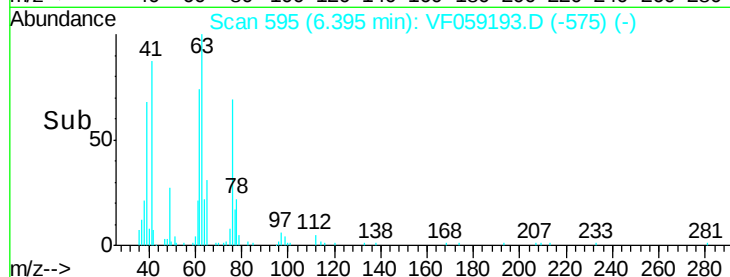
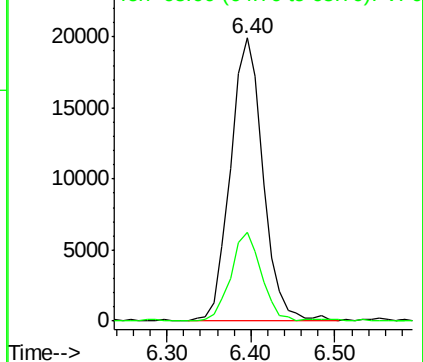
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.85 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

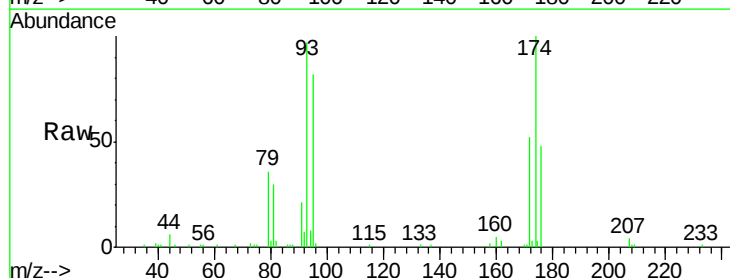
Tgt Ion: 93 Resp: 43250

Ion Ratio Lower Upper

93 100

95 84.8 64.2 96.4

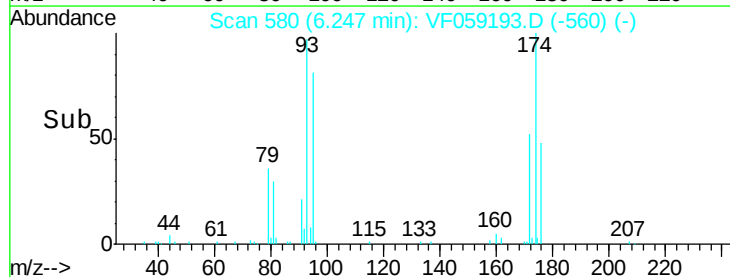
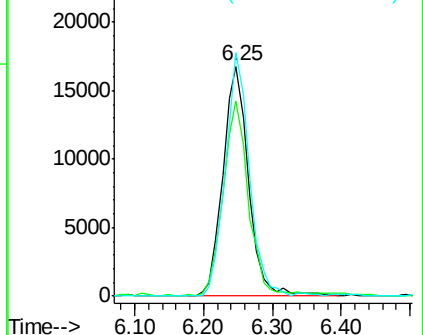
174 106.0 72.7 109.1

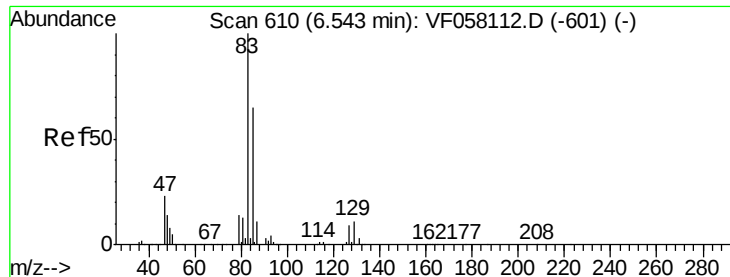


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.46 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

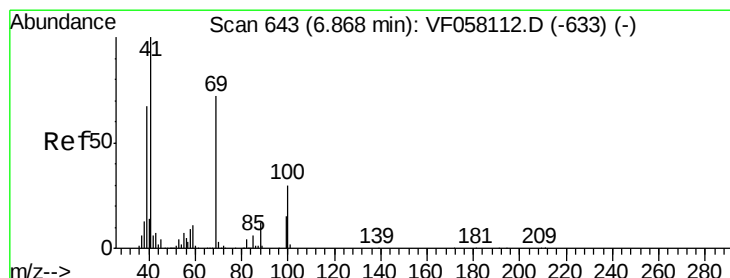
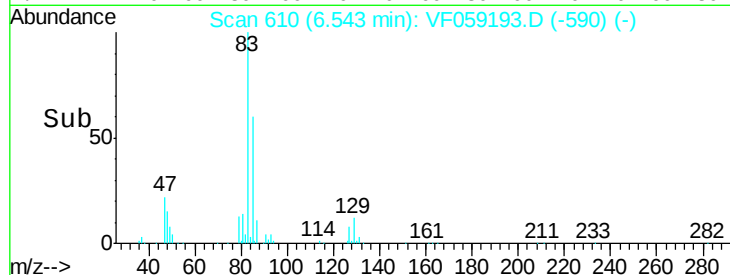
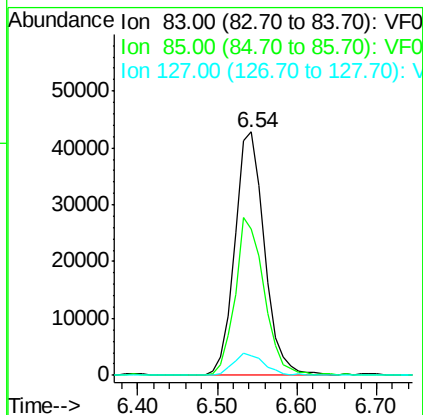
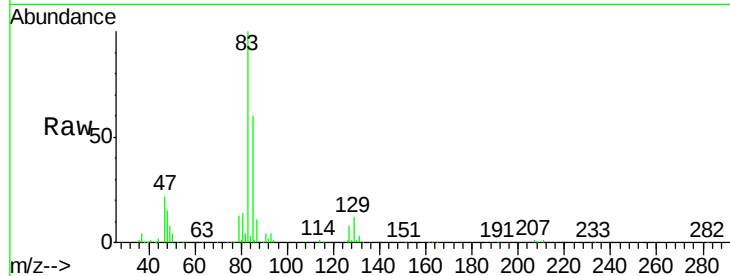
ClientSampleId :

VF0619SBS01

Tot Ion:	83	Resp:	110727
Ion Ratio	Lower	Upper	
83	100		
85	59.9	51.6	77.4
127	8.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 20.18 ug/l

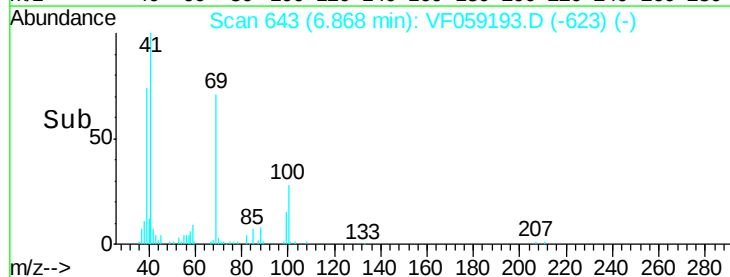
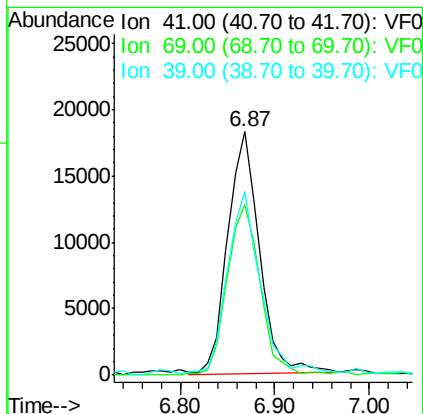
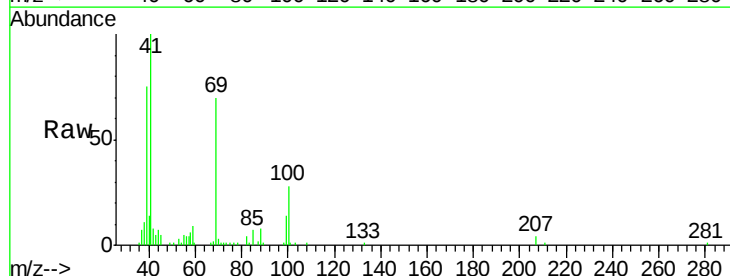
RT: 6.87 min Scan# 643

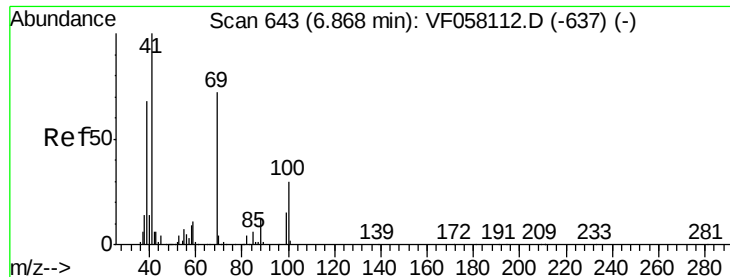
Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	41	Resp:	42411
Ion Ratio	Lower	Upper	
41	100		
69	70.3	57.2	85.8
39	75.1	54.3	81.5





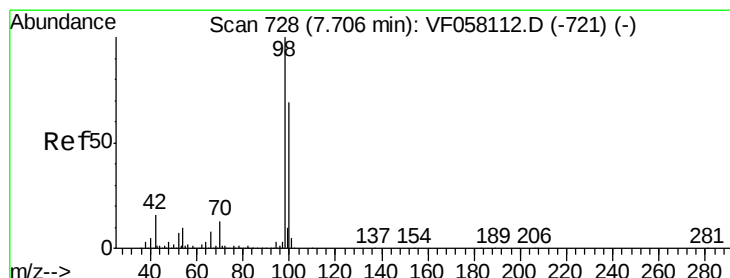
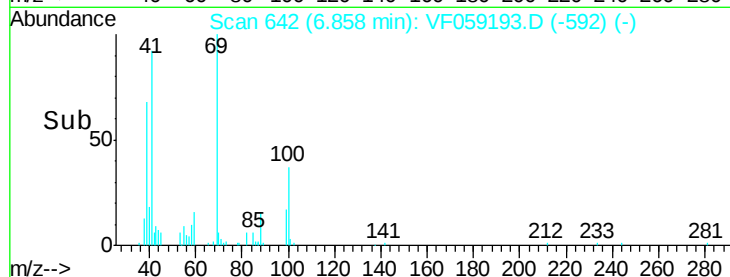
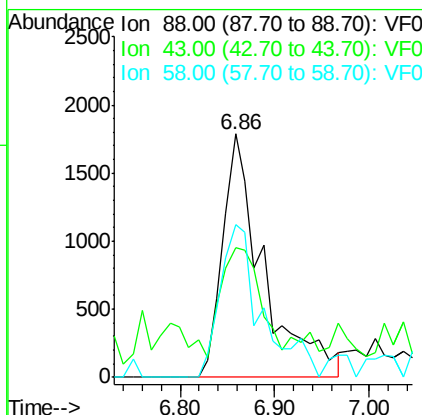
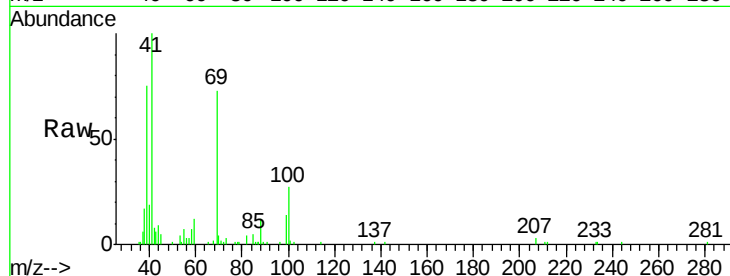
#49
1,4-Dioxane
Concen: 334.04 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	5355		
43	53.1		47.8	71.8
58	62.8		59.4	89.0

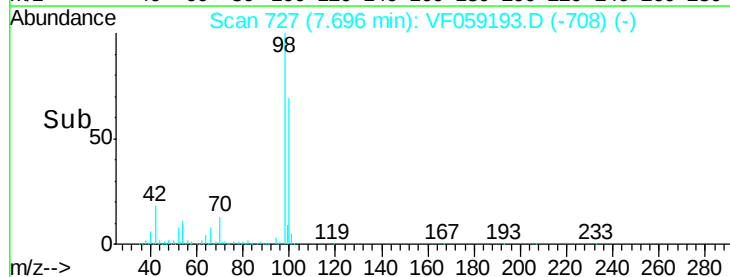
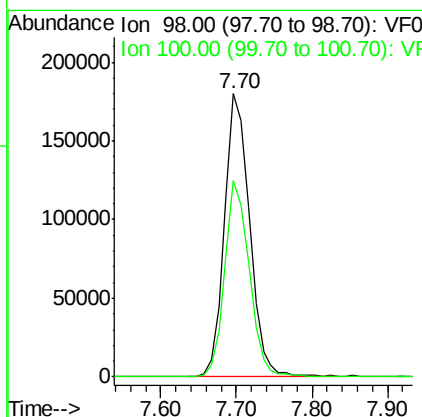
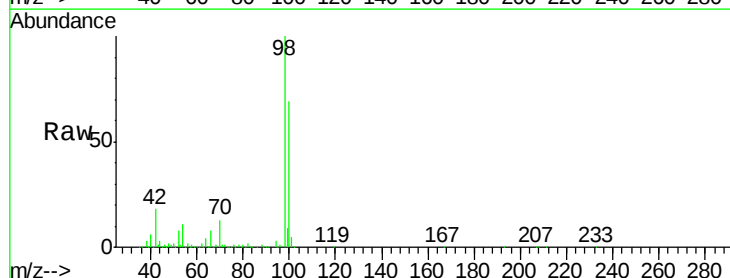
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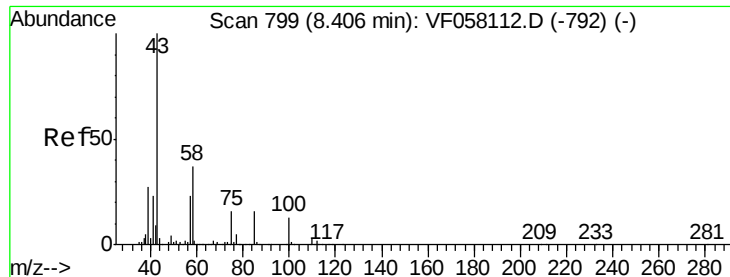
apatel
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#50
Toluene-d8
Concen: 47.40 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	415312		
100	69.3		55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 110.12 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 43 Resp: 257309

Ion Ratio Lower Upper

43 100

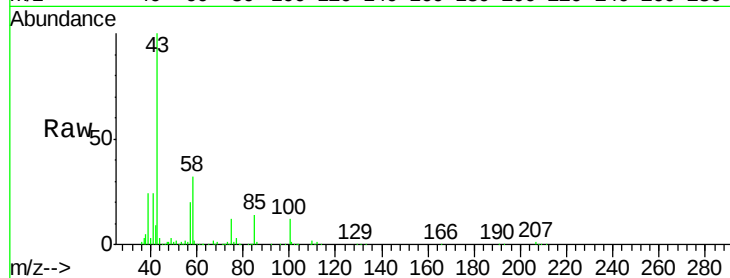
58 32.0 29.4 44.0

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

120000

100000

80000

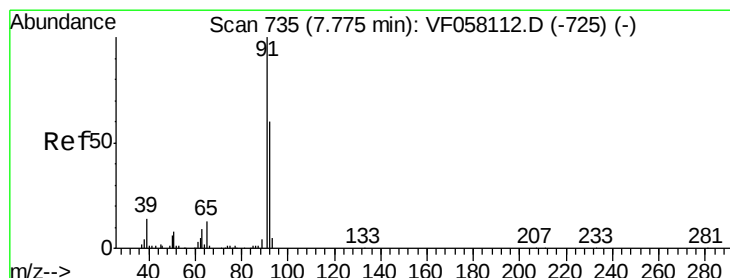
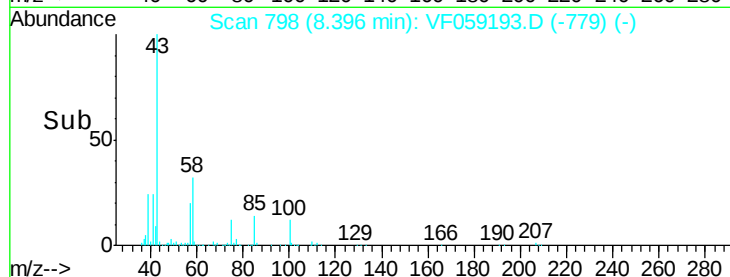
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.80 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059193.D

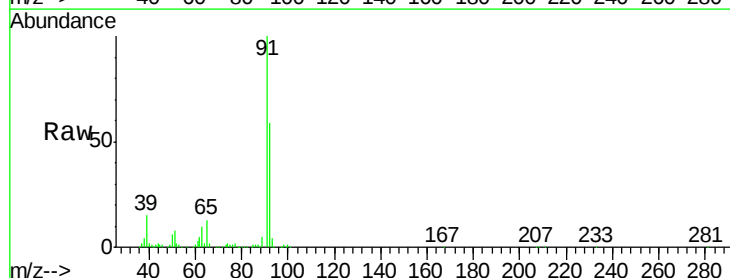
Acq: 19 Jun 2018 17:19

Tgt Ion: 92 Resp: 136342

Ion Ratio Lower Upper

92 100

91 169.3 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

120000

100000

80000

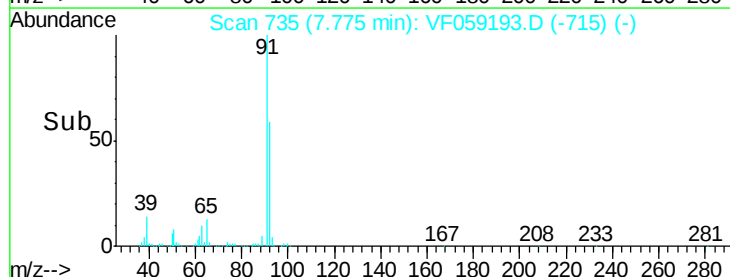
60000

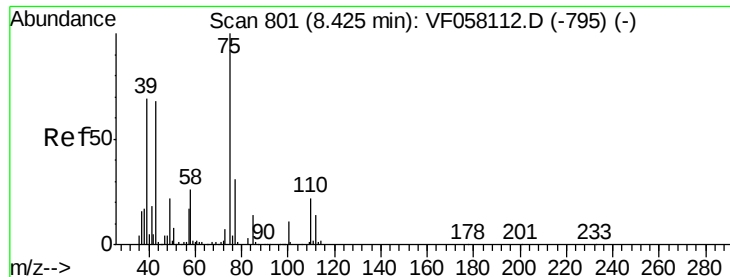
40000

20000

0

Time-->





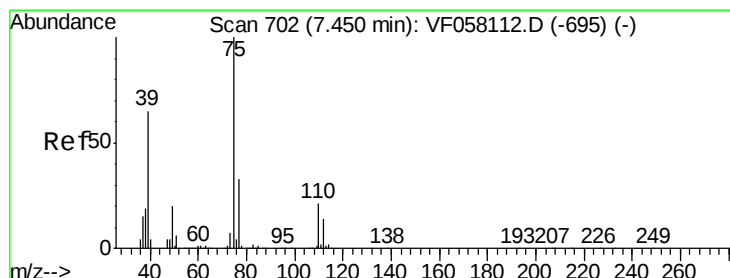
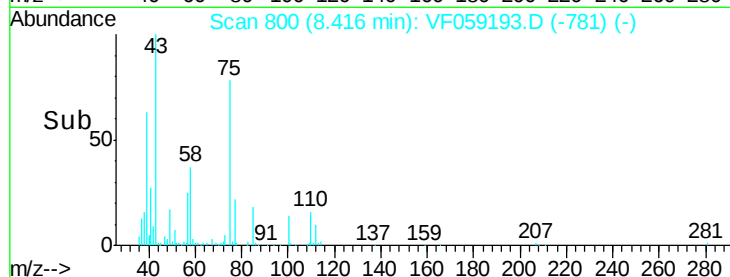
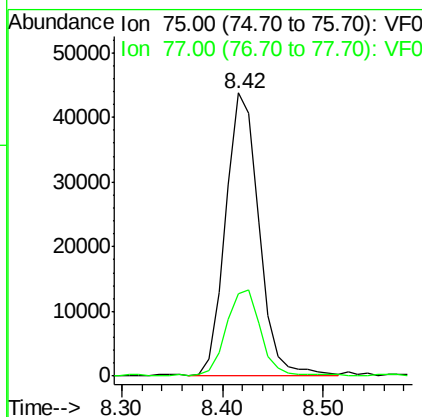
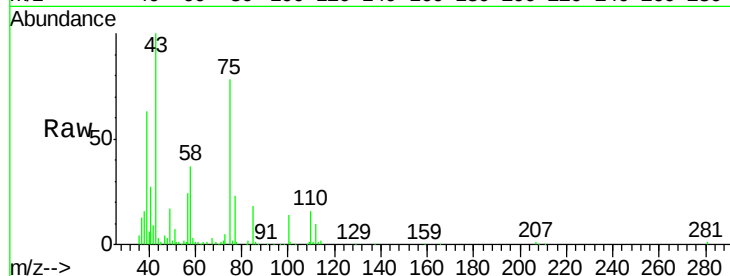
#53
t-1,3-Dichloropropene
Concen: 21.83 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion: 75 Resp: 99771
Ion Ratio Lower Upper
75 100
77 29.2 25.1 37.7

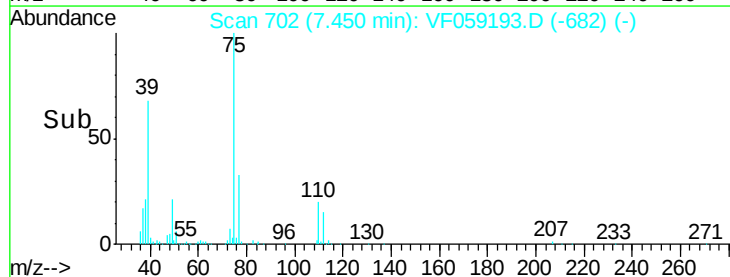
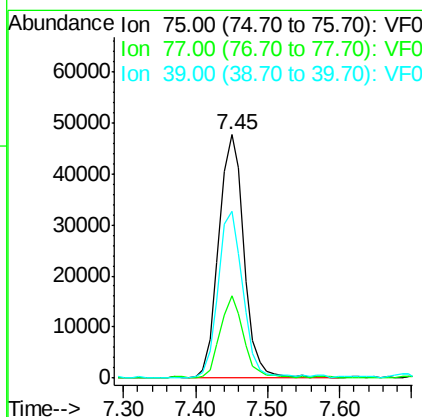
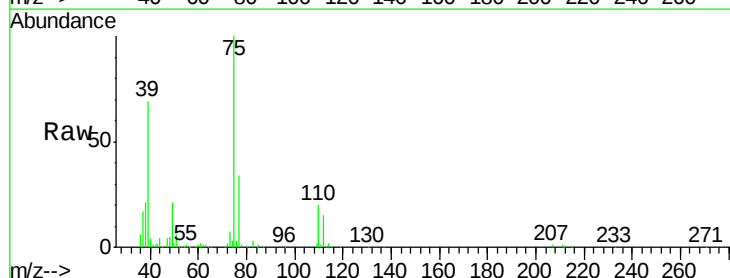
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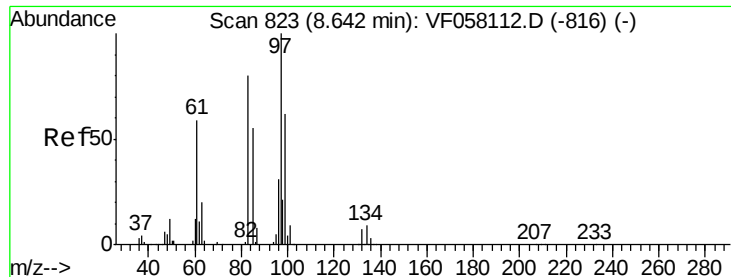
apatel
6/20/2018 10:16:25 AM



#54
cis-1,3-Dichloropropene
Concen: 22.11 ug/l
RT: 7.45 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 75 Resp: 116060
Ion Ratio Lower Upper
75 100
77 33.7 26.3 39.5
39 68.7 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 21.50 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

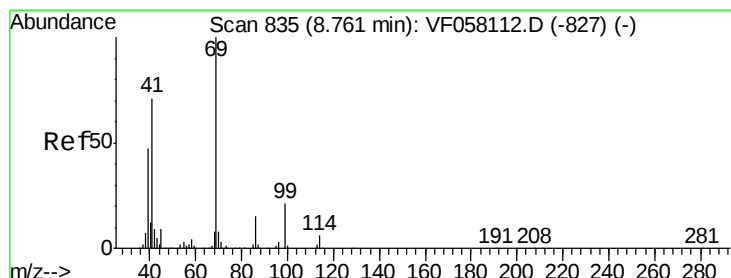
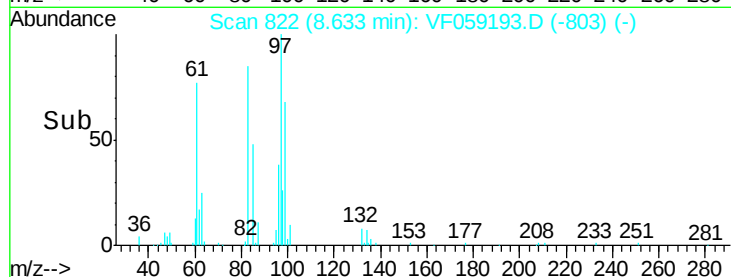
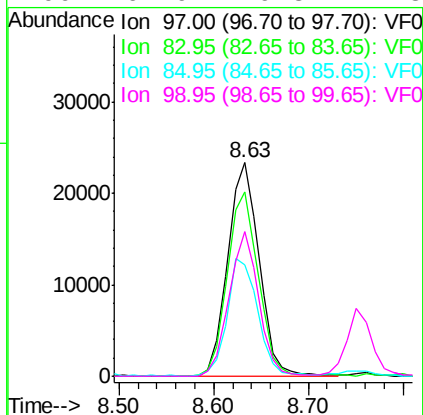
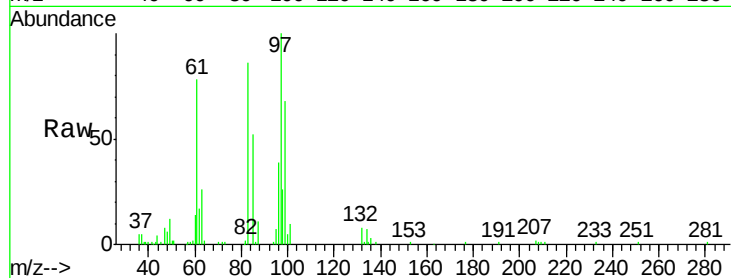
ClientSampleId :

VF0619SBS01

Tot Ion:	97	Resp:	53655
Ion	Ratio	Lower	Upper
97	100		
83	86.3	64.3	96.5
85	52.3	43.8	65.8
99	67.9	49.8	74.8

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#56

Ethyl methacrylate

Concen: 20.92 ug/l

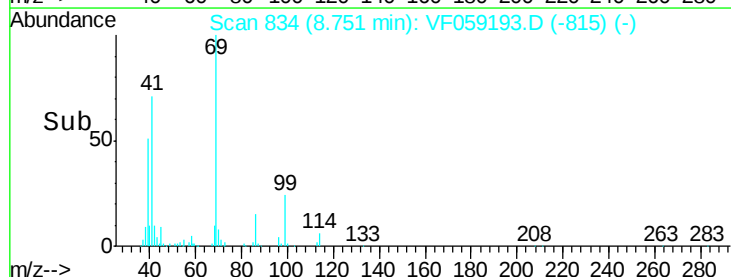
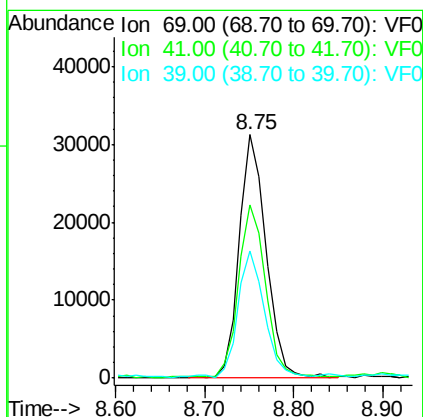
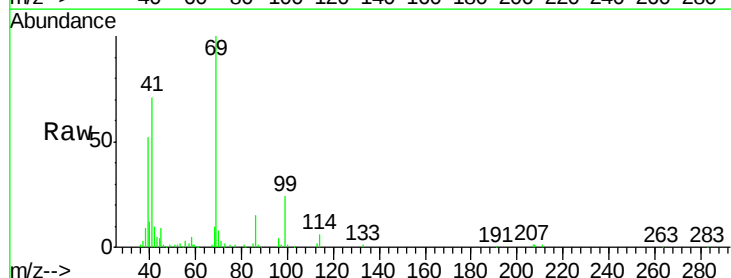
RT: 8.75 min Scan# 834

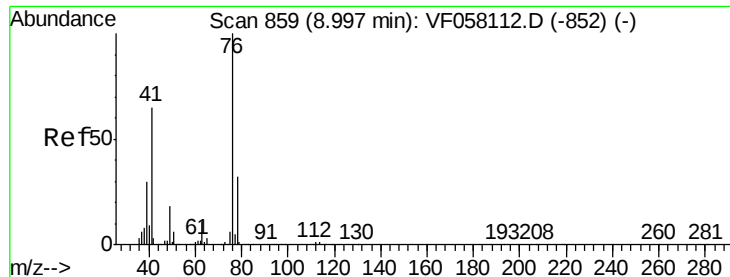
Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	69	Resp:	65829
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.9	85.3
39	52.1	38.0	57.0





#57

1,3-Dichloropropane

Concen: 21.54 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 76 Resp: 91967

Ion Ratio Lower Upper

76 100

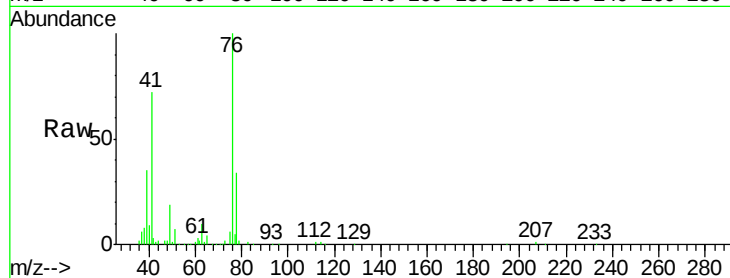
78 33.9 25.8 38.6

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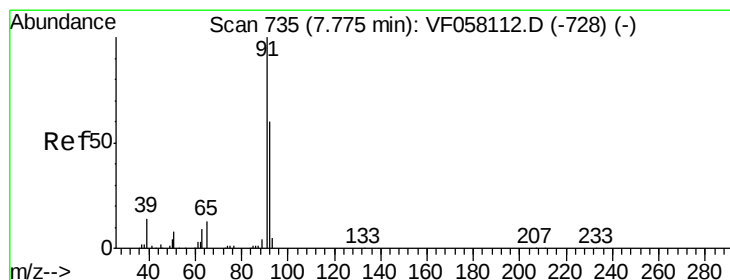
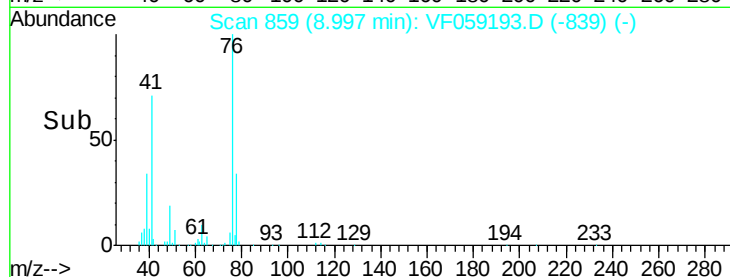
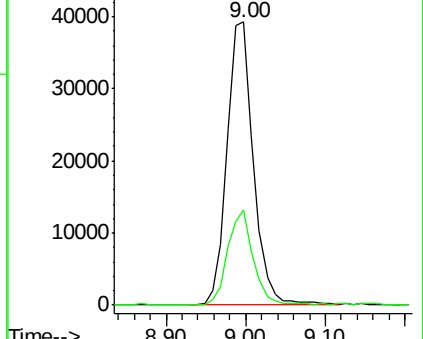
apatel

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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: 107.43 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059193.D

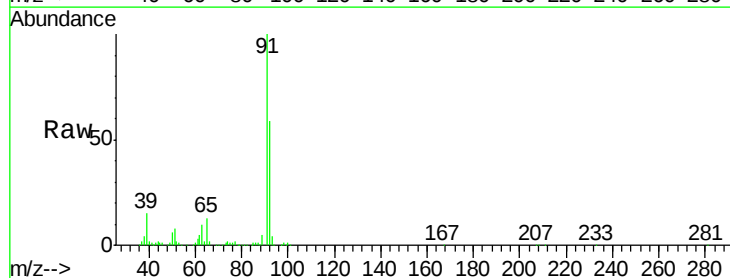
Acq: 19 Jun 2018 17:19

Tgt Ion: 63 Resp: 24167

Ion Ratio Lower Upper

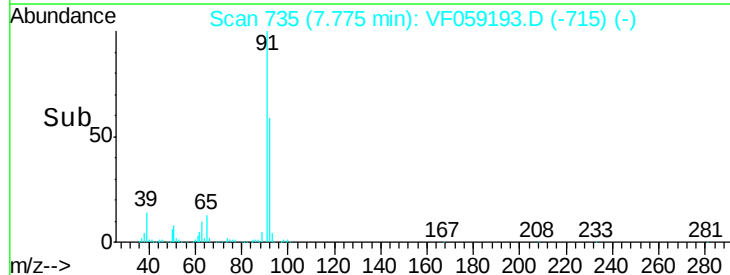
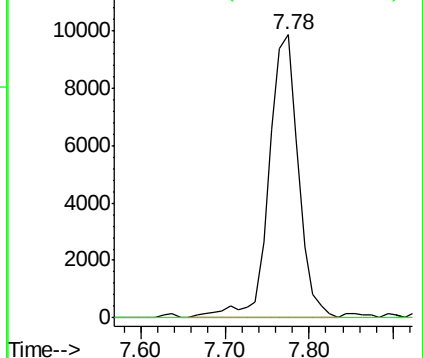
63 100

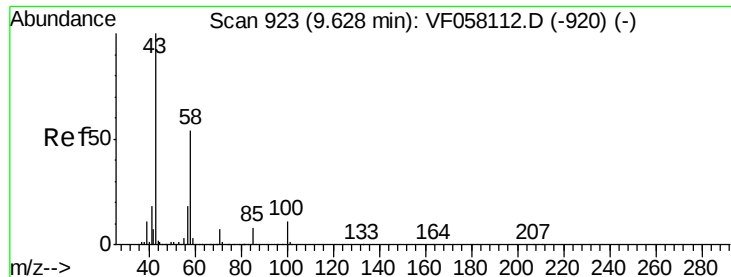
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





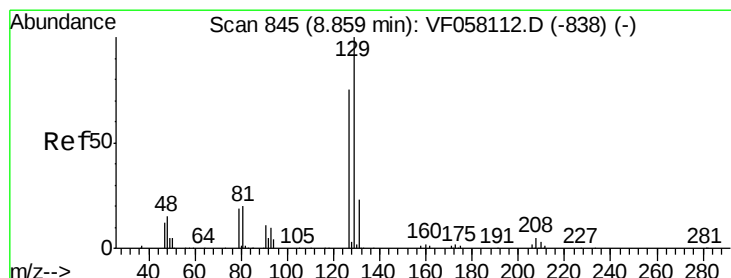
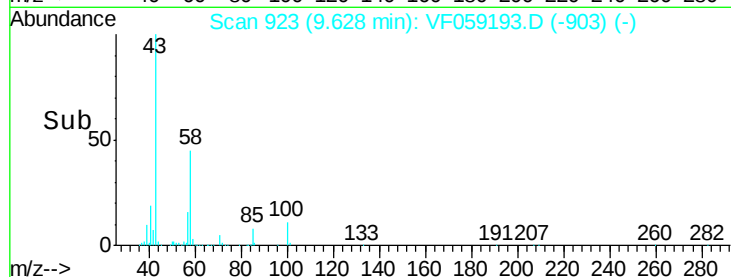
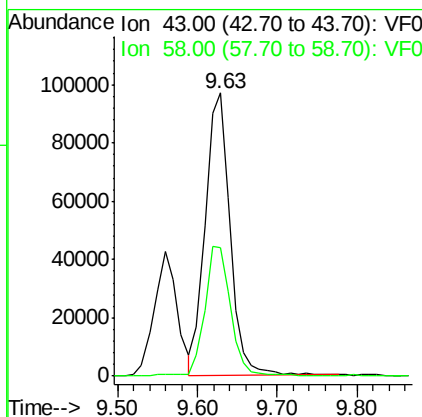
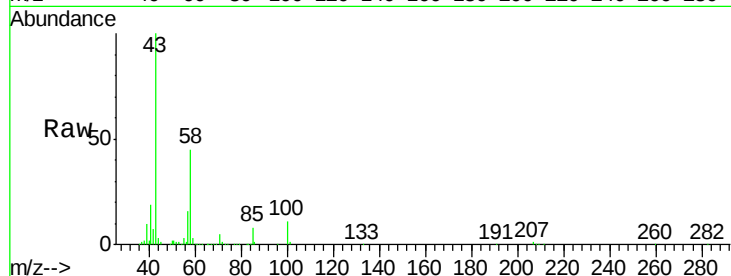
#59
2-Hexanone
Concen: 113.49 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion: 43 Resp: 209753
Ion Ratio Lower Upper
43 100
58 45.4 26.3 78.8

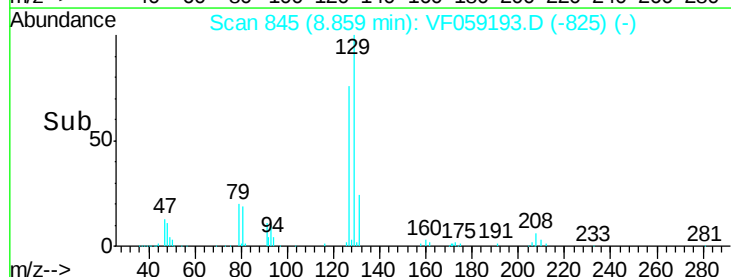
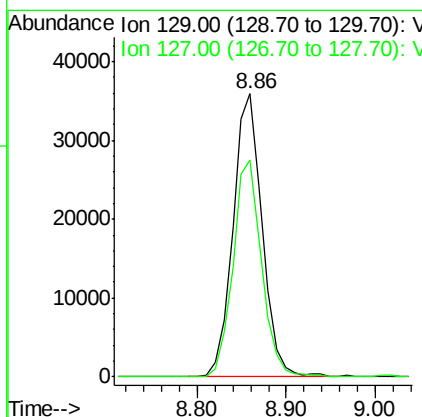
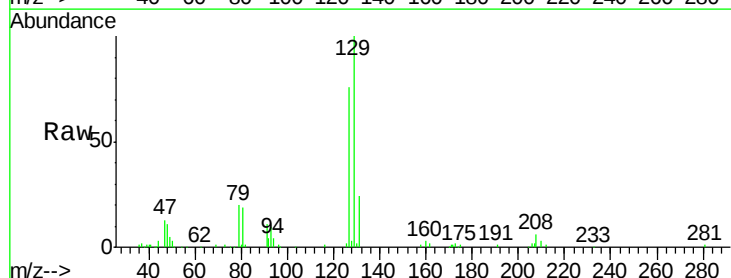
Manual Integrations
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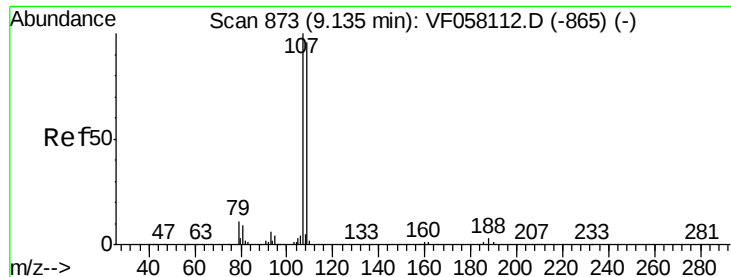
apatel
6/20/2018 10:16:25 AM



#60
Dibromochloromethane
Concen: 22.78 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 129 Resp: 81714
Ion Ratio Lower Upper
129 100
127 76.4 37.6 112.9





#61

1,2-Dibromoethane

Concen: 21.76 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion:107 Resp: 63101

Ion Ratio Lower Upper

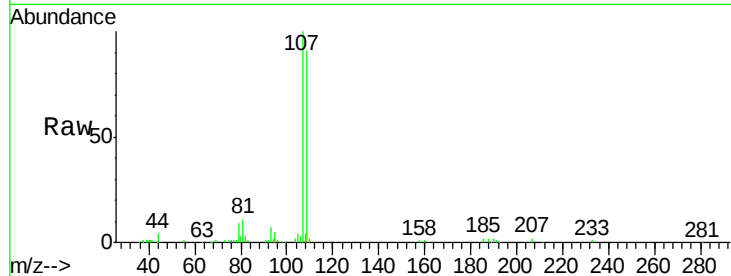
107 100

109 90.6 76.6 115.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

25000

20000

15000

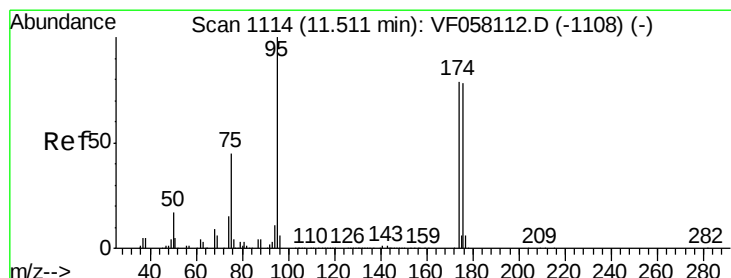
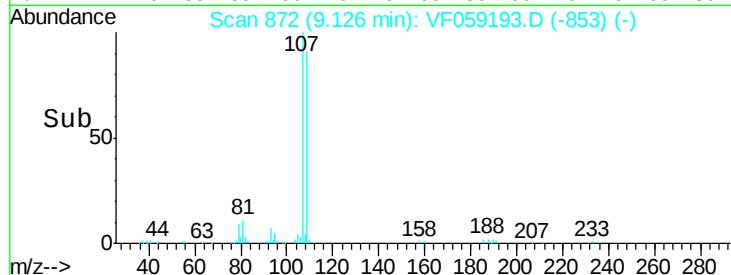
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 50.38 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

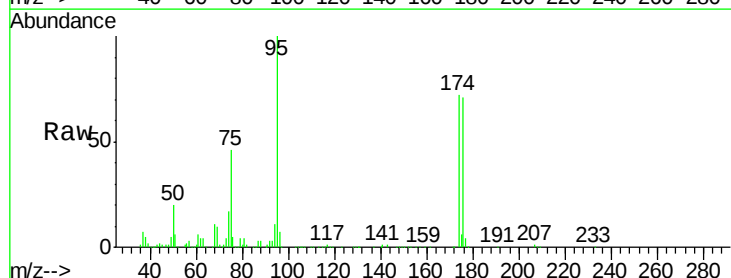
Tgt Ion: 95 Resp: 226416

Ion Ratio Lower Upper

95 100

174 71.9 0.0 157.8

176 70.9 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

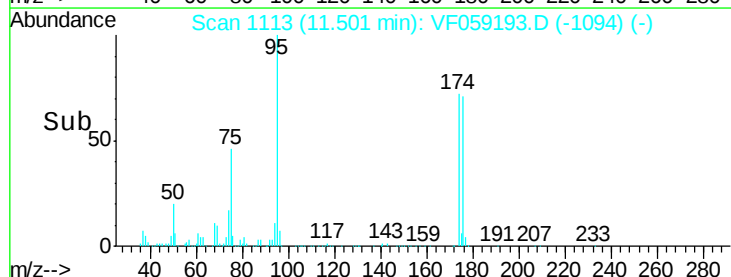
100000

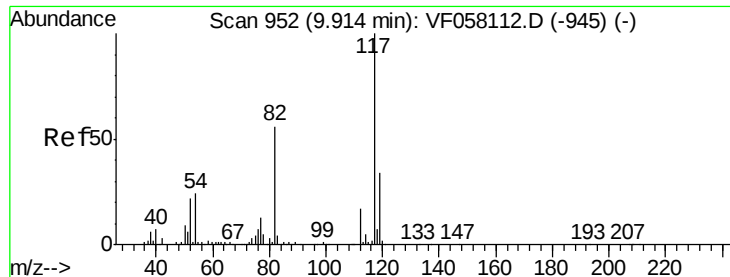
50000

0

Time-->

11.40 11.50 11.60 11.70





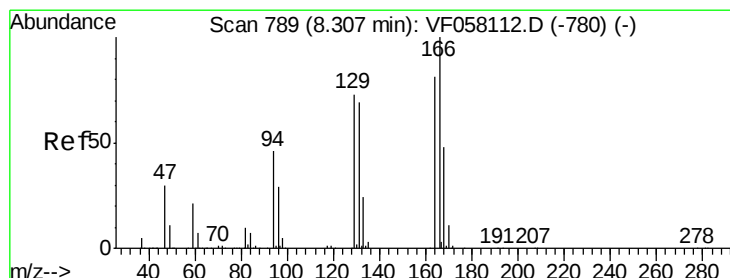
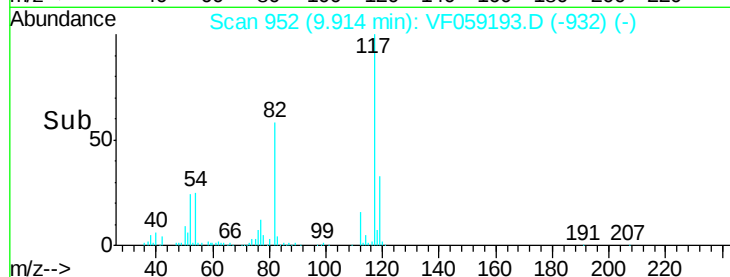
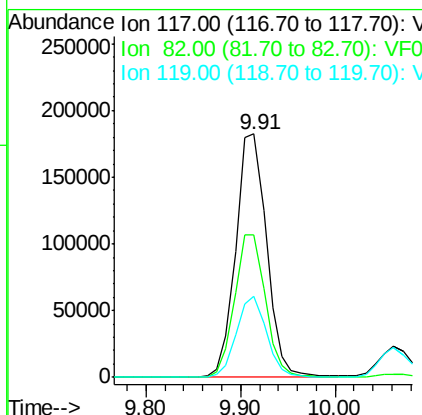
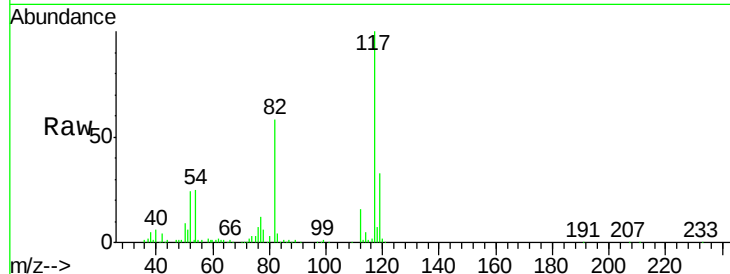
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.2	67.8
119	33.4	27.5	41.3

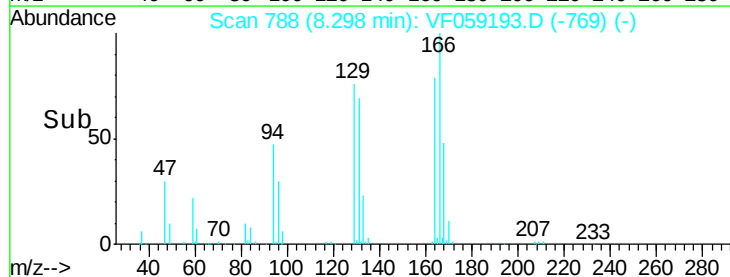
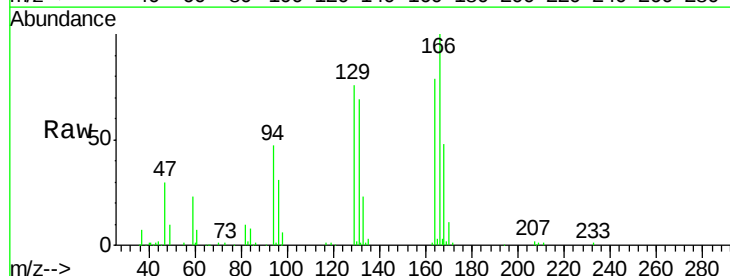
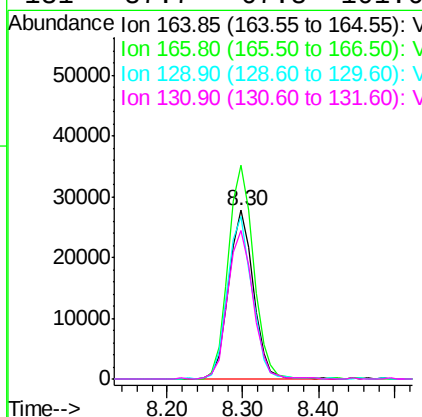
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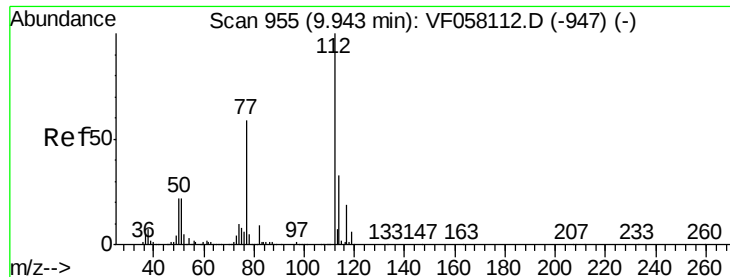
apatel
6/20/2018 10:16:25 AM



#64
Tetrachloroethene
Concen: 20.56 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	98.2	147.4
129	96.3	71.6	107.4
131	87.7	67.8	101.6





#65

Chlorobenzene

Concen: 21.73 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion:112 Resp: 178614

Ion Ratio Lower Upper

112 100

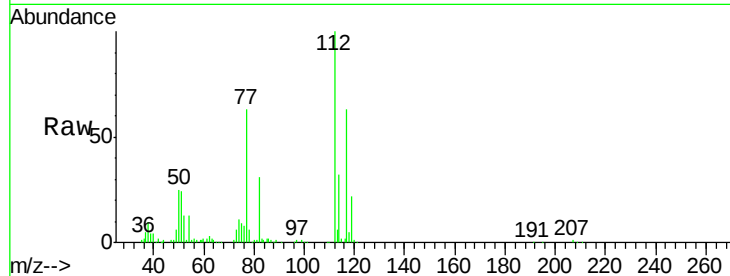
114 32.4 26.2 39.4

Manual Integrations

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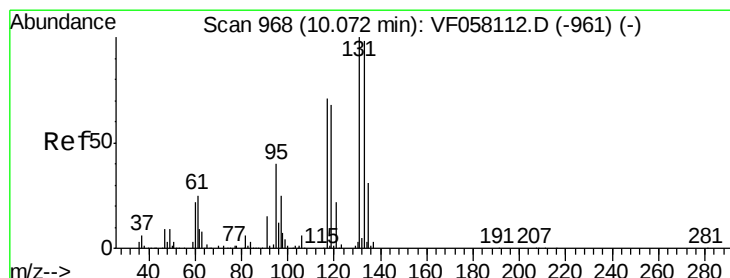
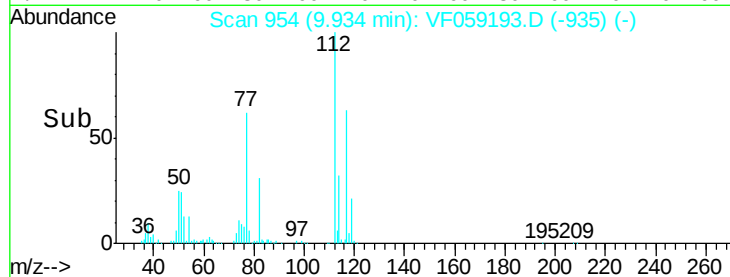
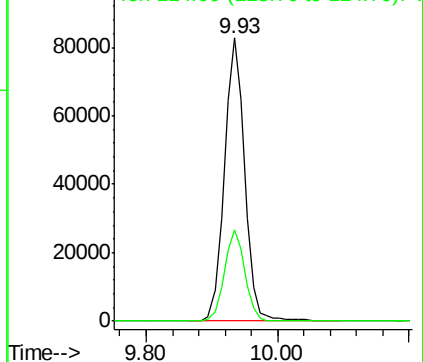
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.53 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

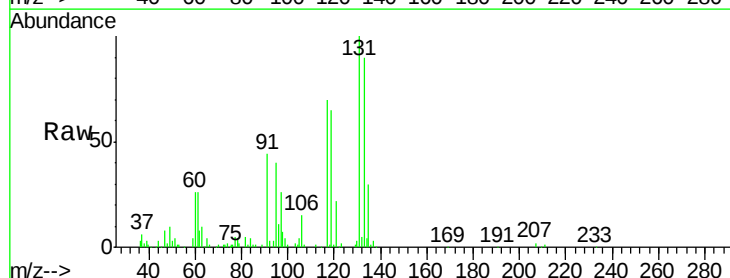
Tgt Ion:131 Resp: 73658

Ion Ratio Lower Upper

131 100

133 90.4 49.1 147.4

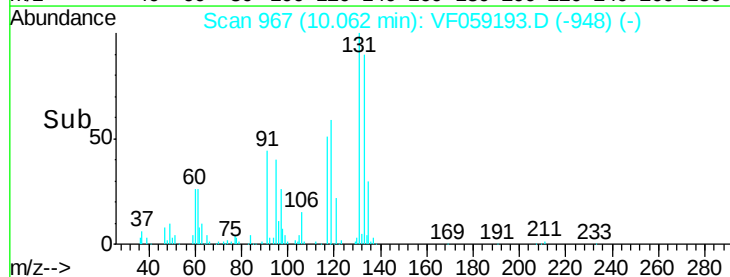
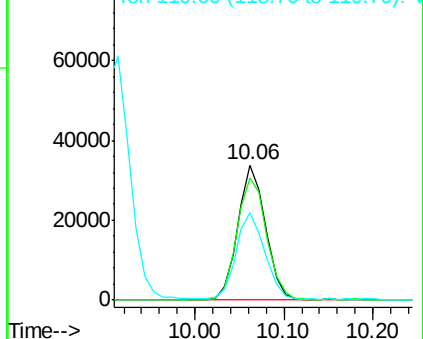
119 64.7 34.3 102.8

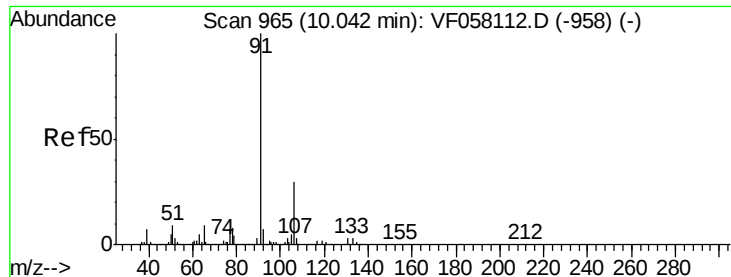


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





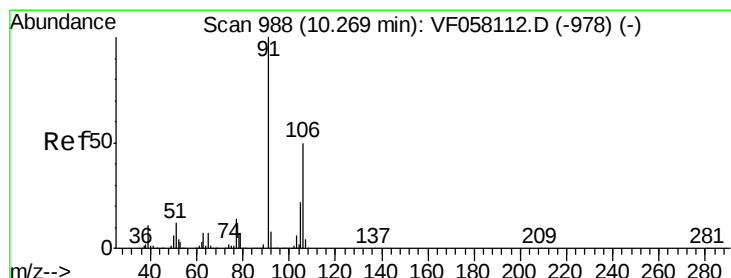
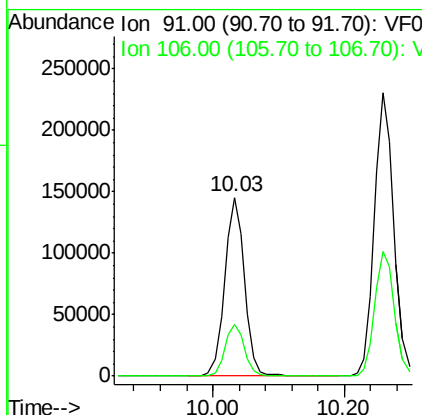
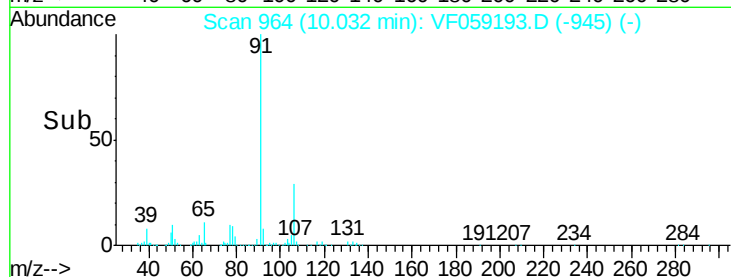
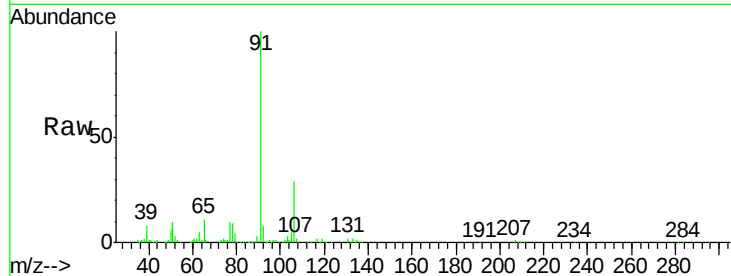
#67
Ethyl Benzene
Concen: 21.42 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleID :
VF0619SBS01

Tot Ion: 91 Resp: 305899
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.4

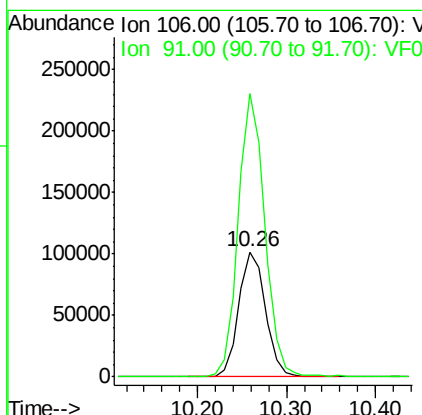
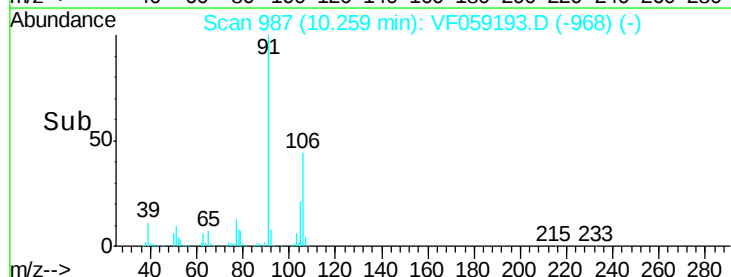
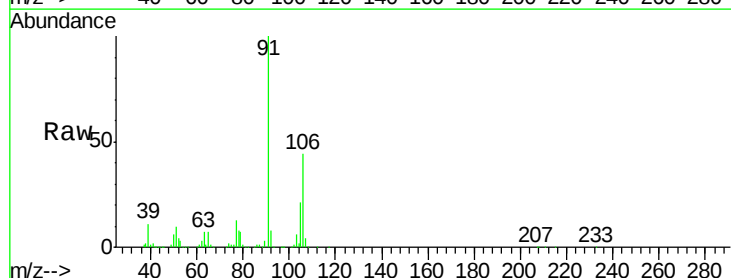
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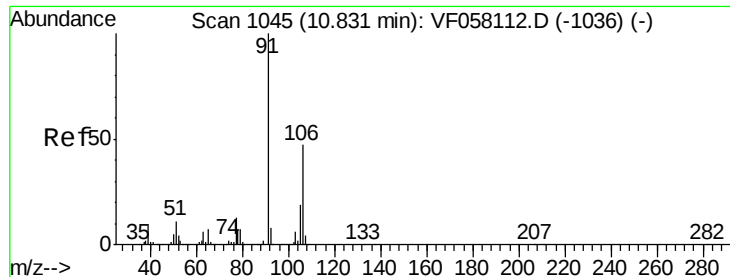
apatel
6/20/2018 10:16:25 AM



#68
m/p-Xylenes
Concen: 39.99 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion: 106 Resp: 213879
Ion Ratio Lower Upper
106 100
91 226.0 160.7 241.1





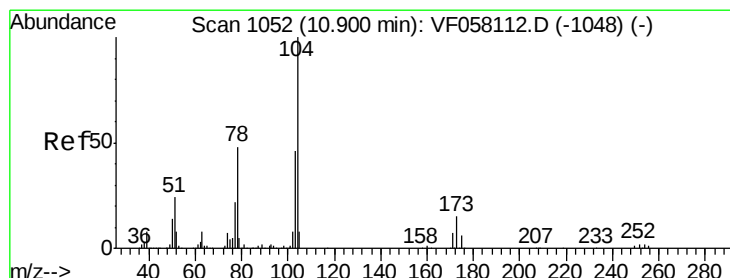
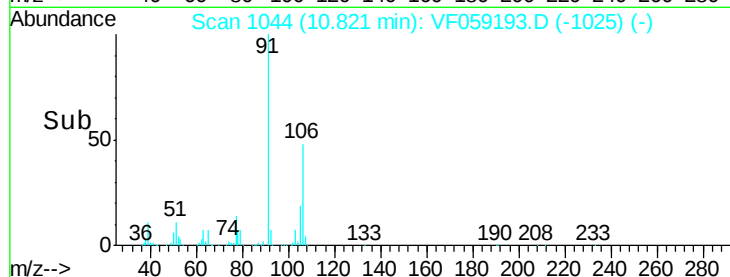
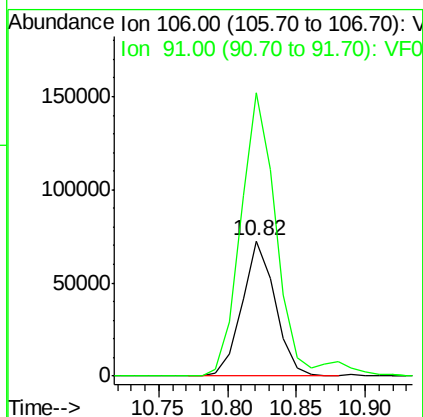
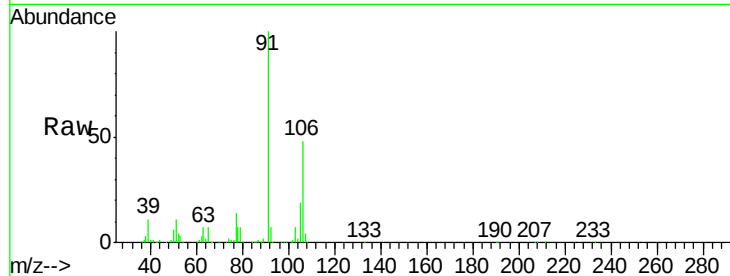
#69
o-Xylene
Concen: 21.18 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion:106 Resp: 122436
Ion Ratio Lower Upper
106 100
91 209.3 107.0 321.0

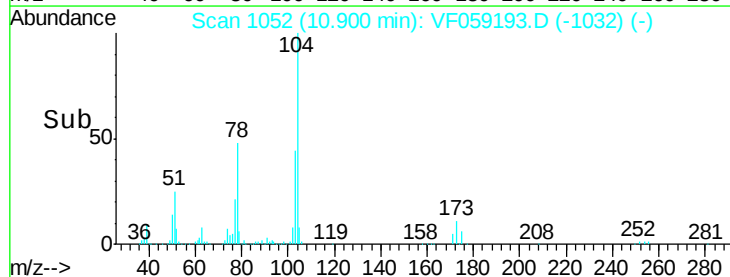
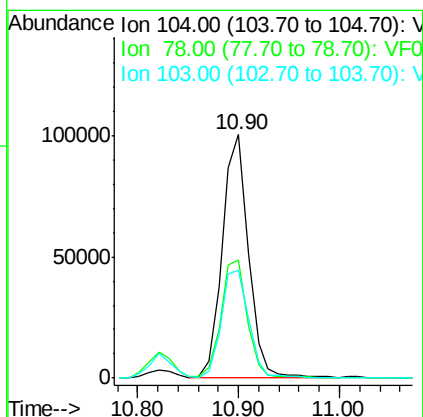
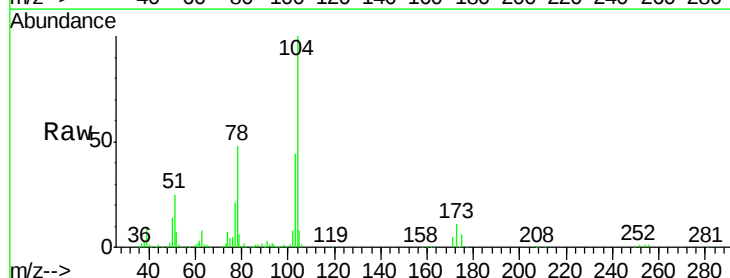
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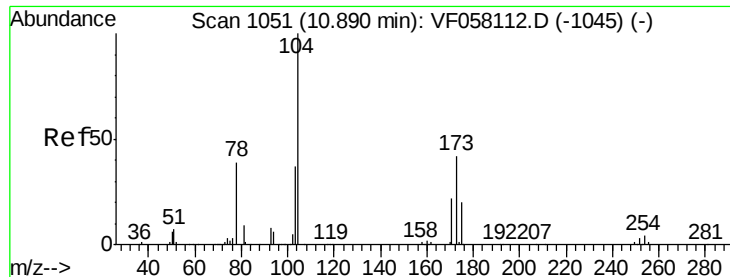
apatel
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#70
Styrene
Concen: 20.61 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion:104 Resp: 180251
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 44.3 37.0 55.6





#71

Bromoform

Concen: 22.86 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

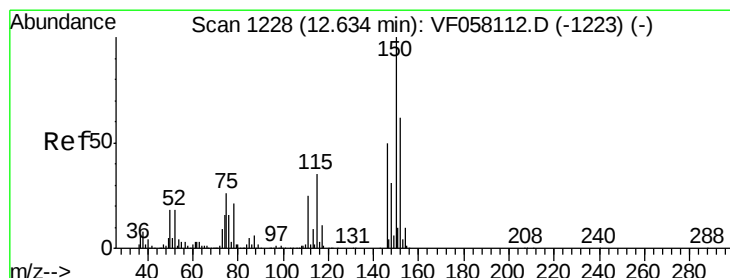
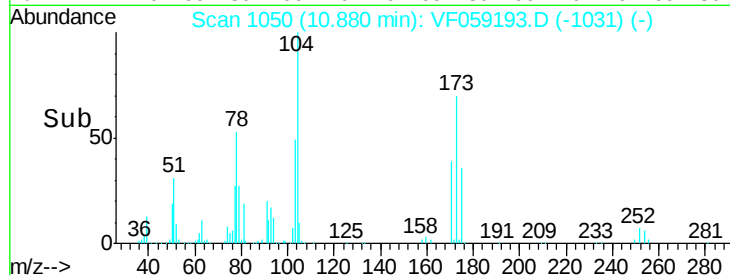
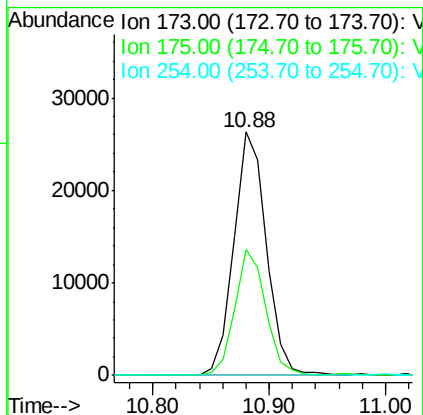
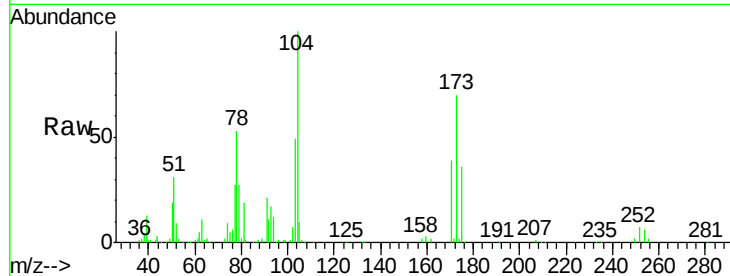
ClientSampleId :

VF0619SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.6	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

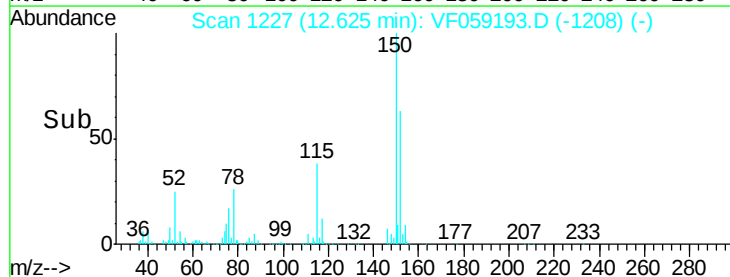
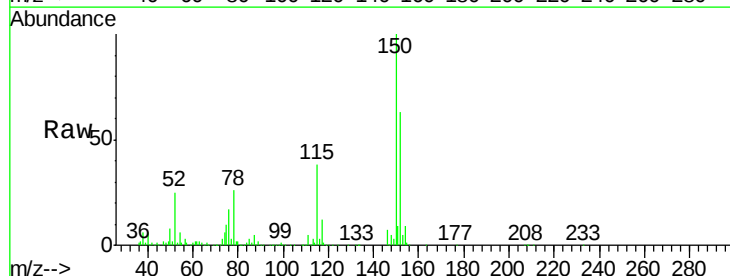
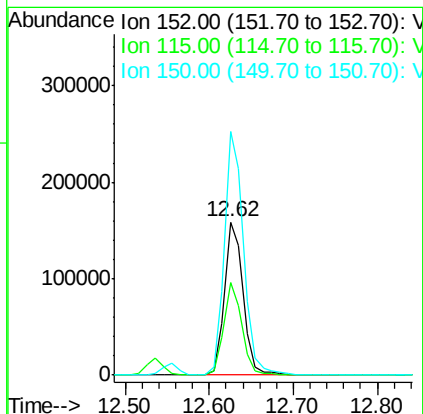
RT: 12.62 min Scan# 1227

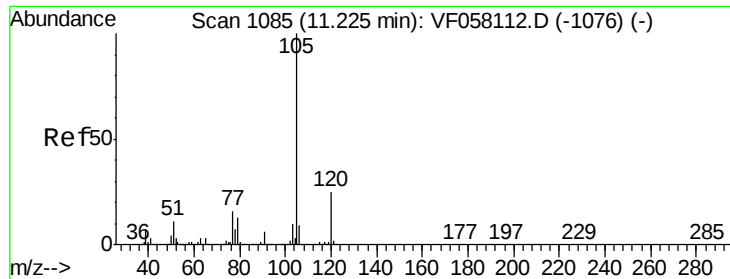
Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	28.5	85.5
150	158.8	0.0	323.8





#73

Isopropylbenzene

Concen: 21.10 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 105 Resp: 356859

Ion Ratio Lower Upper

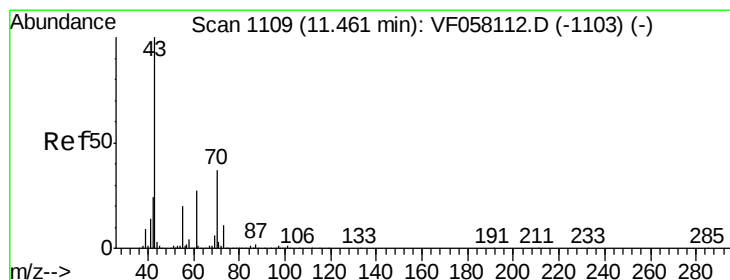
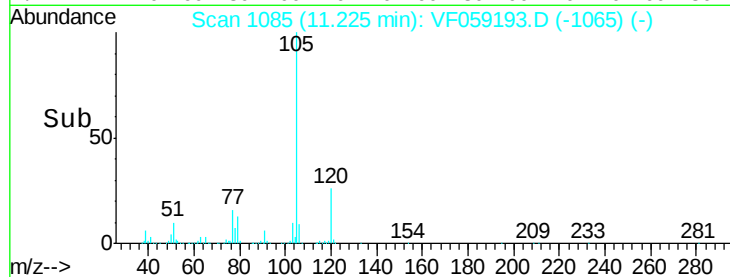
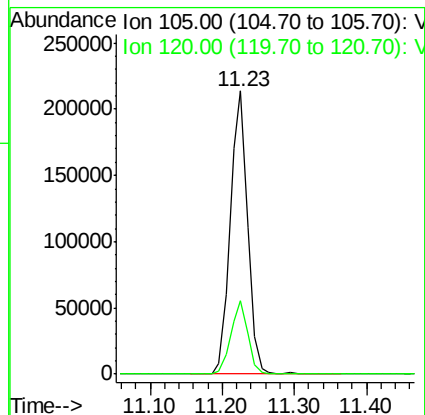
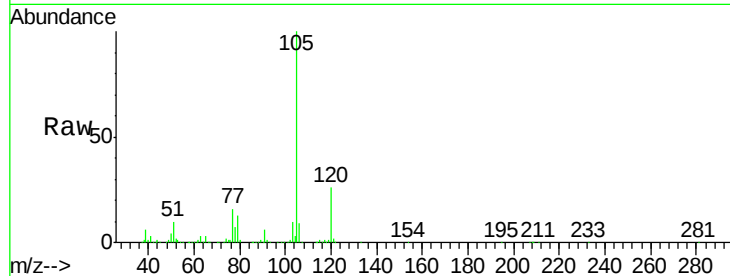
105 100

120 26.0 12.7 38.1

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#74

N-ethyl acetate

Concen: 20.95 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion: 43 Resp: 126595

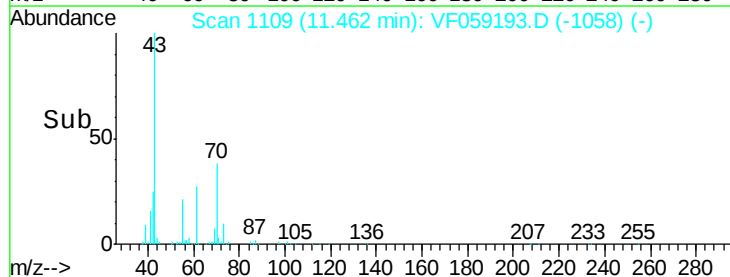
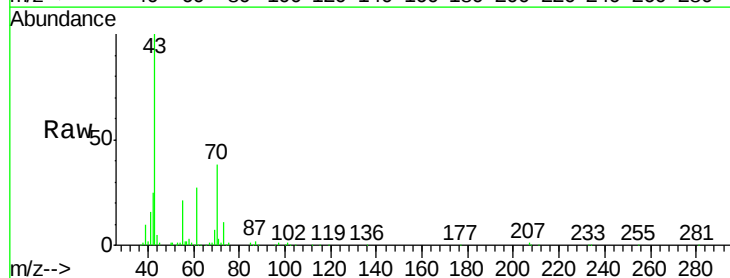
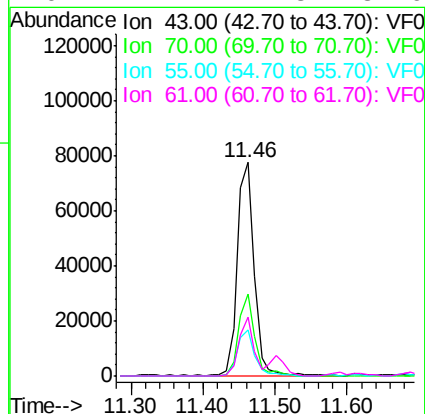
Ion Ratio Lower Upper

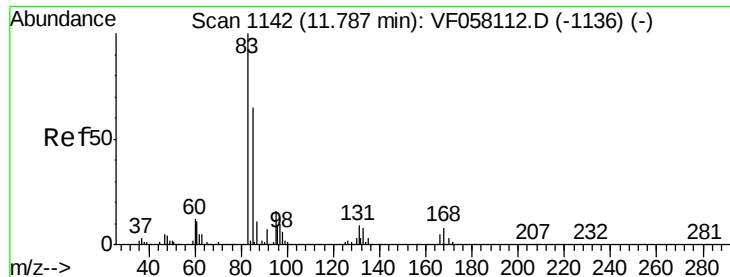
43 100

70 38.2 29.2 43.8

55 21.4 15.8 23.6

61 27.4 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.86 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

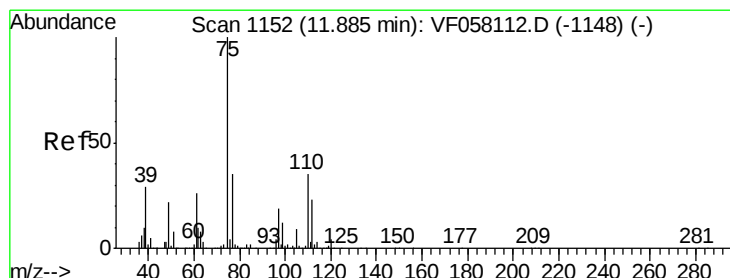
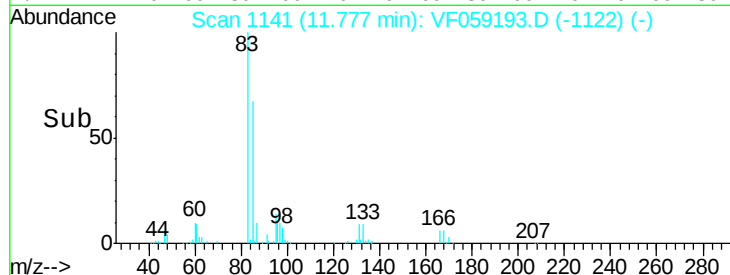
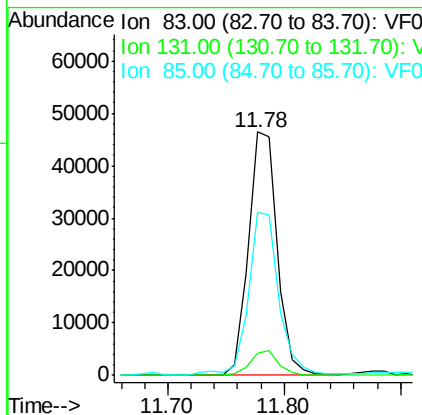
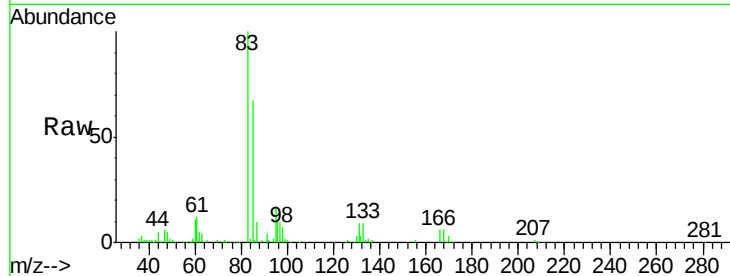
ClientSampleId :

VF0619SBS01

Tot Ion:	83	Resp:	79622
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	67.1	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.64 ug/l

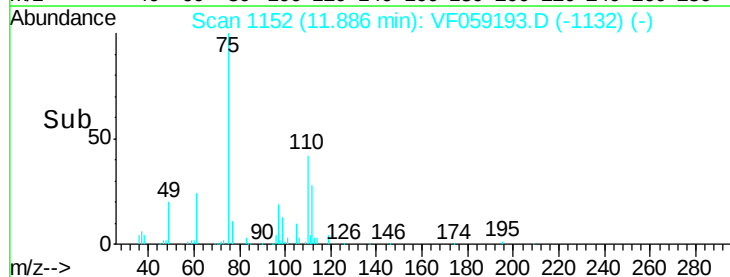
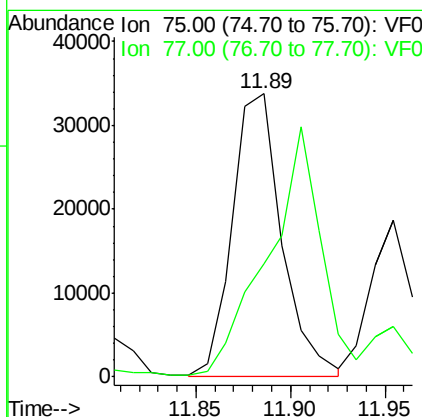
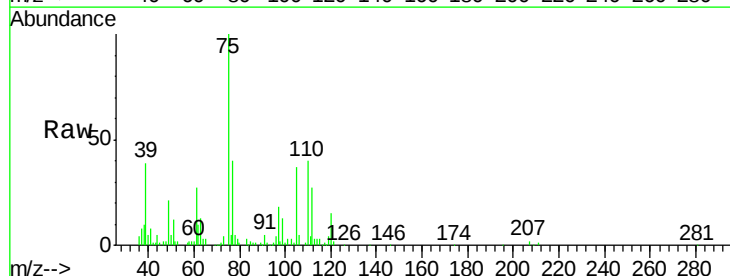
RT: 11.89 min Scan# 1152

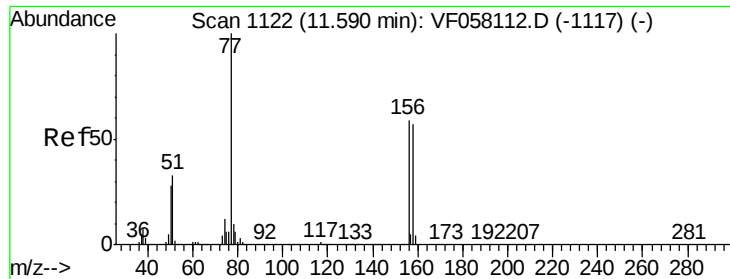
Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	75	Resp:	61116
Ion Ratio	Lower	Upper	
75	100		
77	39.9	17.5	52.5





#77

Bromobenzene

Concen: 21.38 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

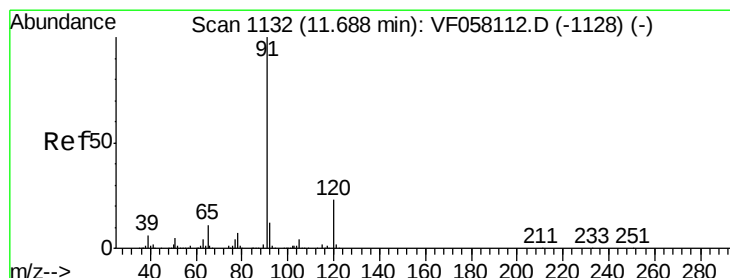
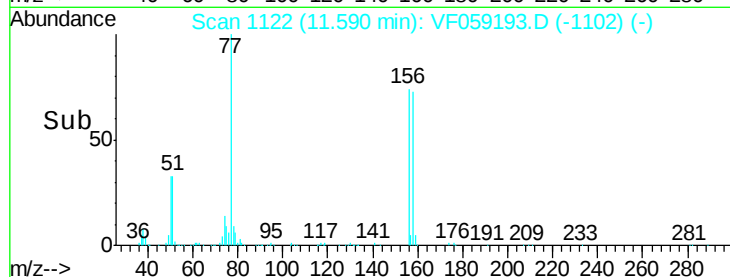
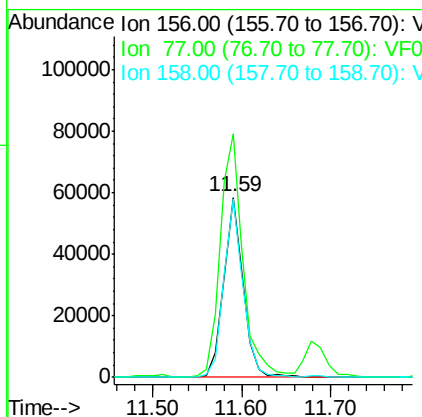
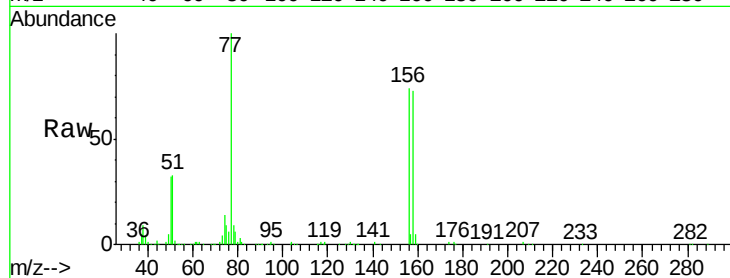
ClientSampleId :

VF0619SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	135.5	84.8	254.4	
158	99.1	47.9	143.7	

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#78

n-propylbenzene

Concen: 20.68 ug/l

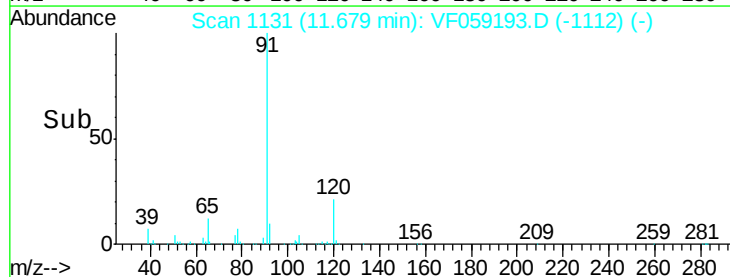
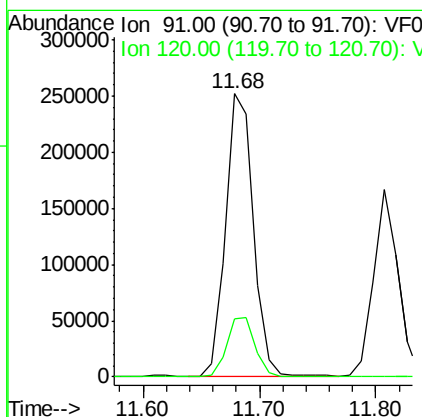
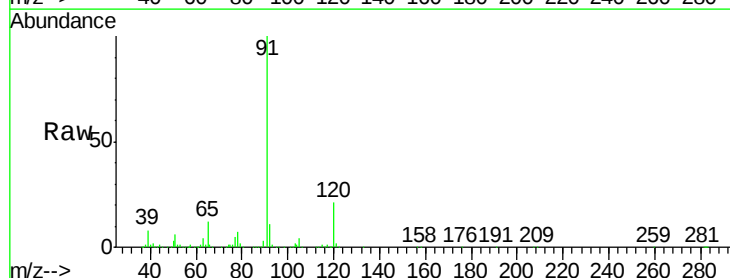
RT: 11.68 min Scan# 1131

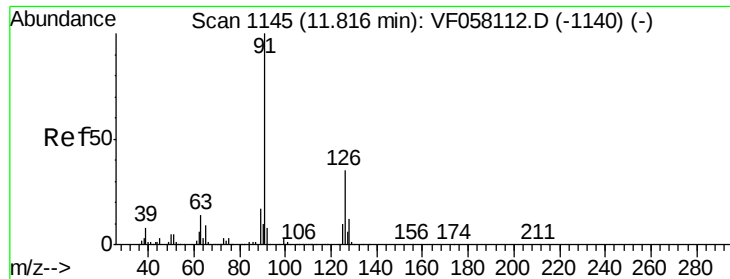
Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.6	11.5	34.5	





#79

2-Chlorotoluene

Concen: 20.55 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion: 91 Resp: 242993

Ion Ratio Lower Upper

91 100

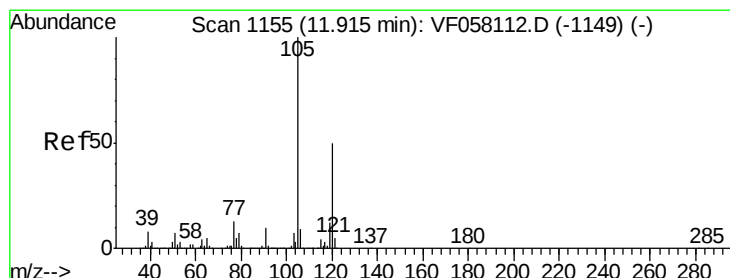
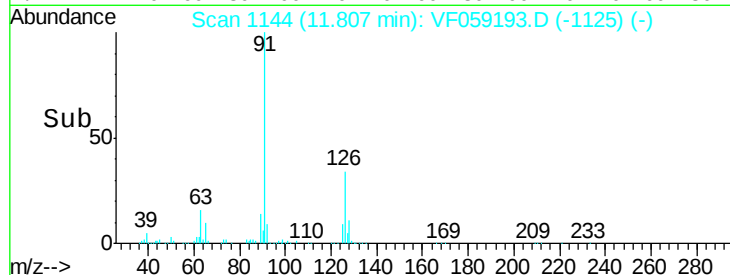
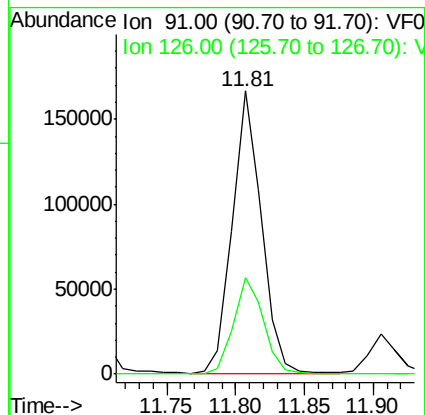
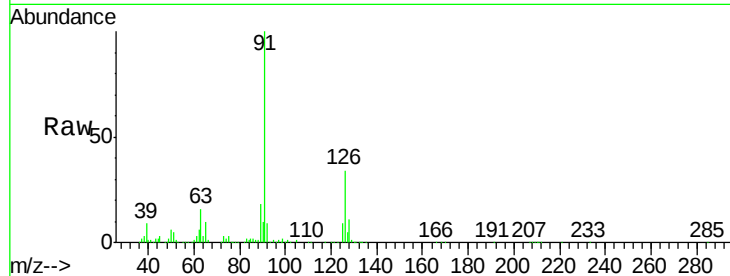
126 34.1 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.79 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059193.D

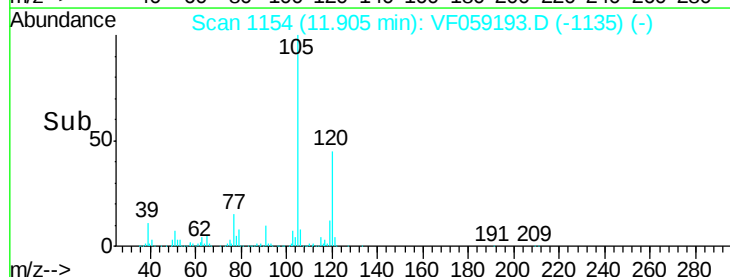
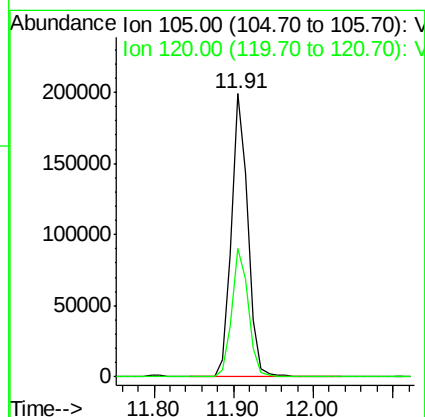
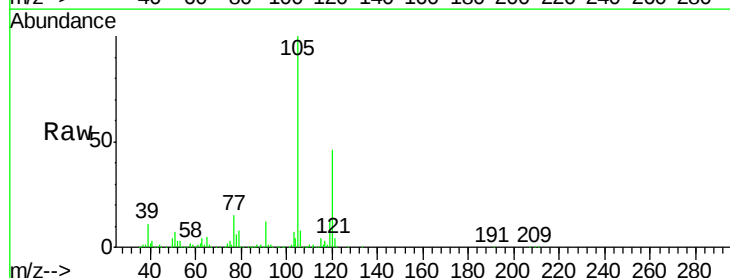
Acq: 19 Jun 2018 17:19

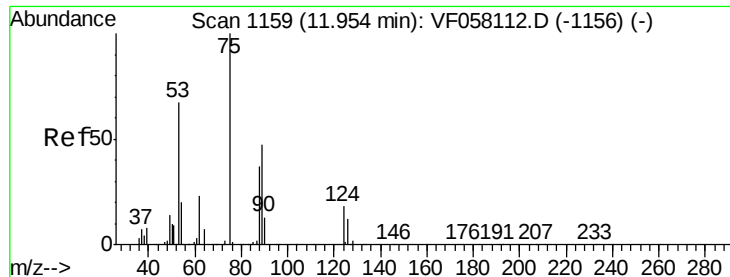
Tgt Ion:105 Resp: 291034

Ion Ratio Lower Upper

105 100

120 45.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.93 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

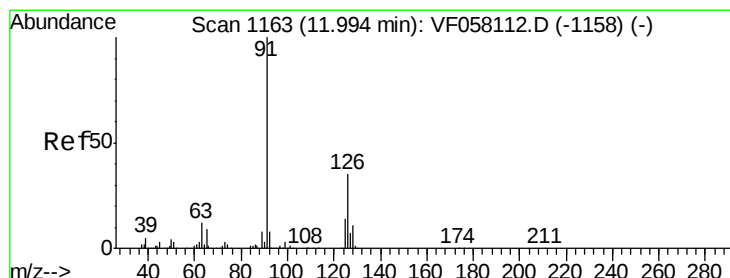
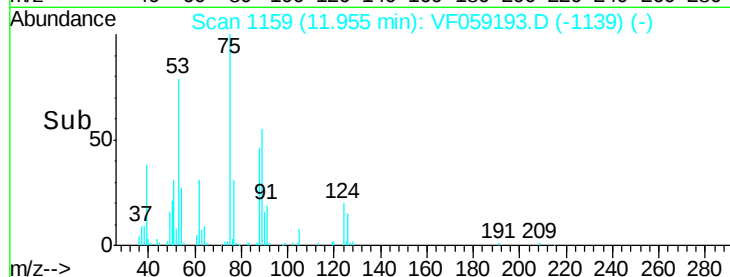
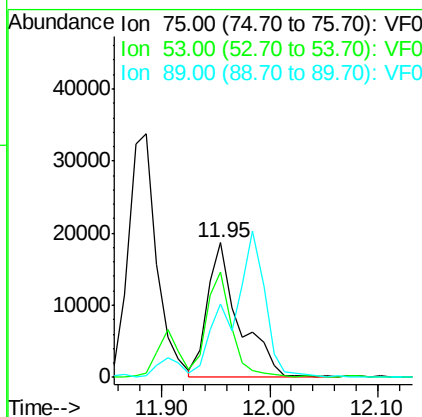
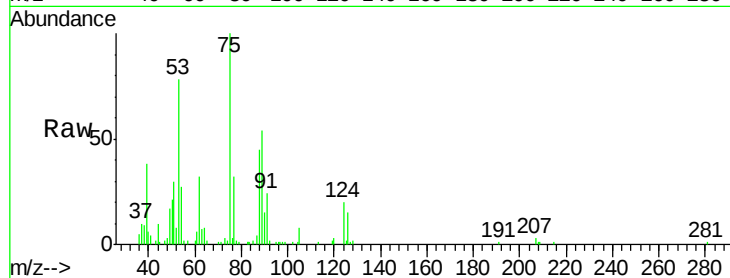
ClientSampleId :

VF0619SBS01

Tot Ion:	75	Resp:	38262
Ion Ratio	Lower	Upper	
75	100		
53	78.1	58.7	88.1
89	54.2	39.8	59.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.38 ug/l

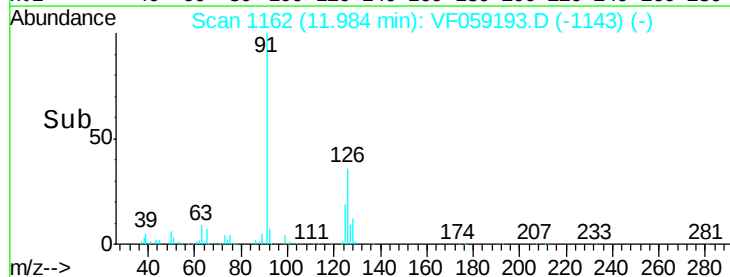
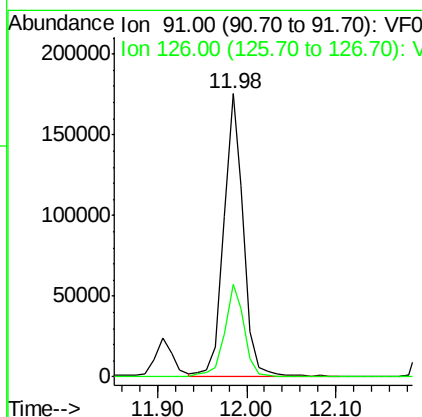
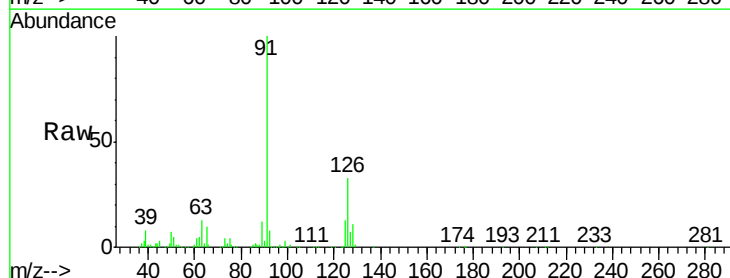
RT: 11.98 min Scan# 1162

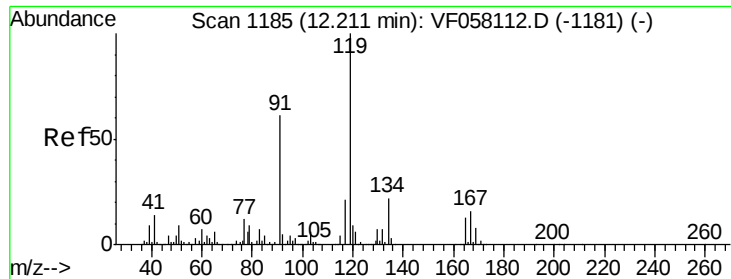
Delta R.T. -0.01 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Tgt Ion:	91	Resp:	269119
Ion Ratio	Lower	Upper	
91	100		
126	32.9	17.4	52.2





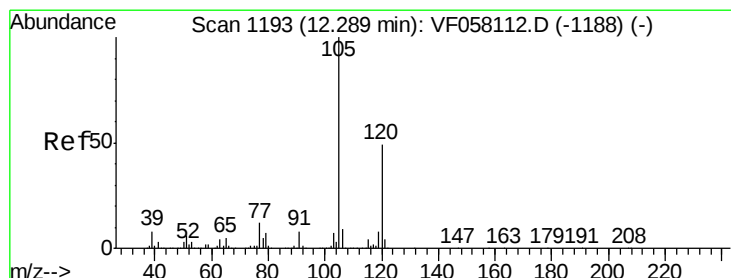
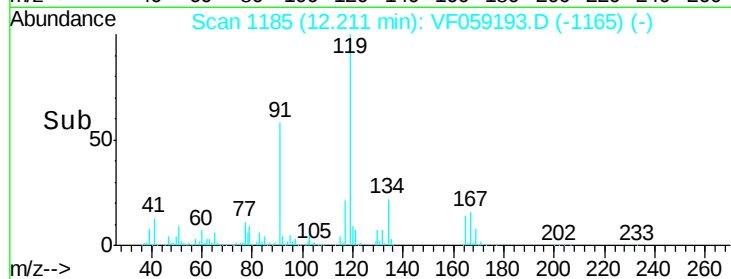
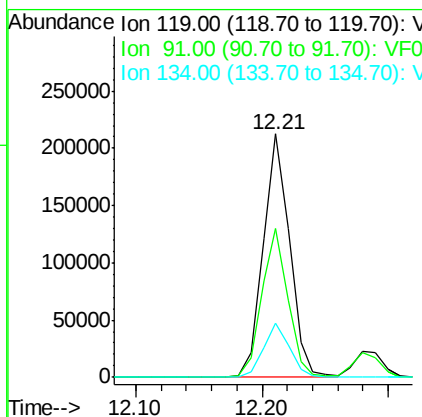
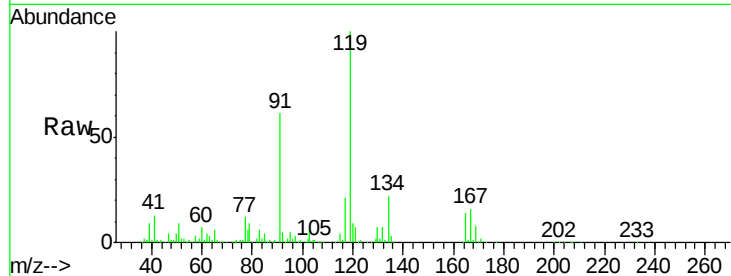
#83
 tert-Butylbenzene
 Concen: 22.45 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	312018		
91	61.1	30.4	91.3	
134	22.3	11.2	33.5	

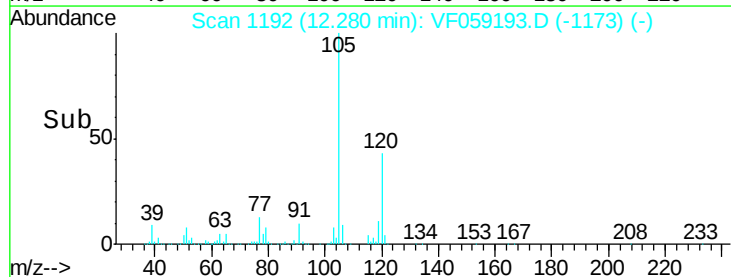
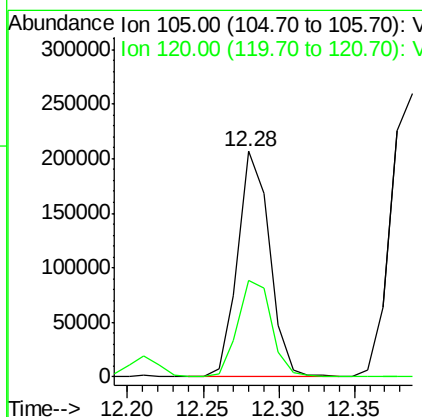
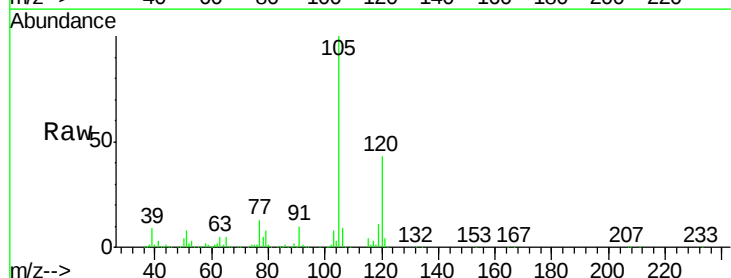
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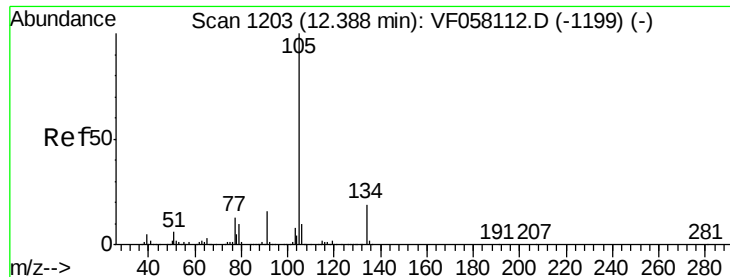
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.05 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	305328		
120	42.6	24.7	74.1	





#85

sec-Butylbenzene

Concen: 20.99 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS01

Tot Ion:105 Resp: 396378

Ion Ratio Lower Upper

105 100

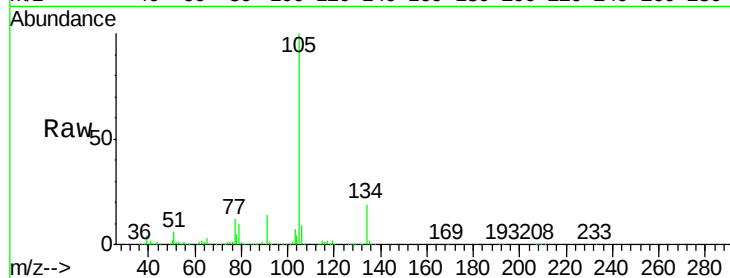
134 19.5 9.6 28.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

250000

200000

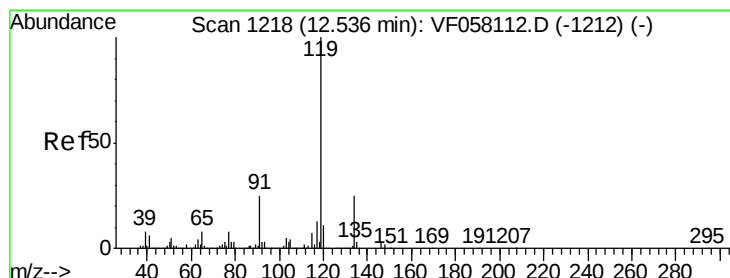
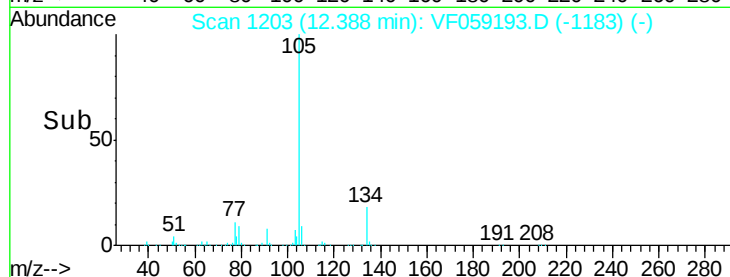
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.98 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059193.D

Acq: 19 Jun 2018 17:19

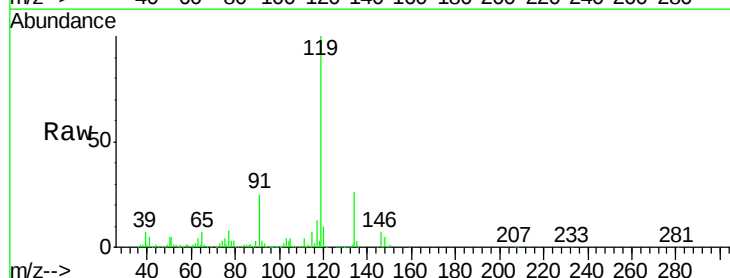
Tgt Ion:119 Resp: 340999

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 24.7 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): VF0

12.54

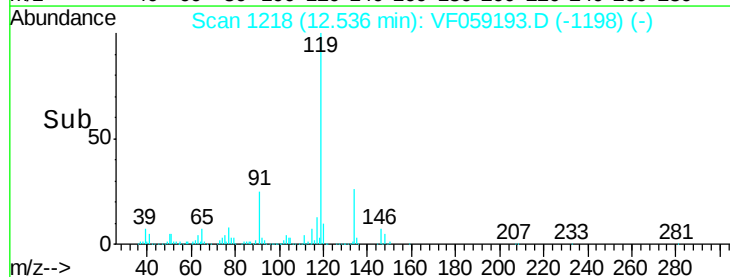
300000

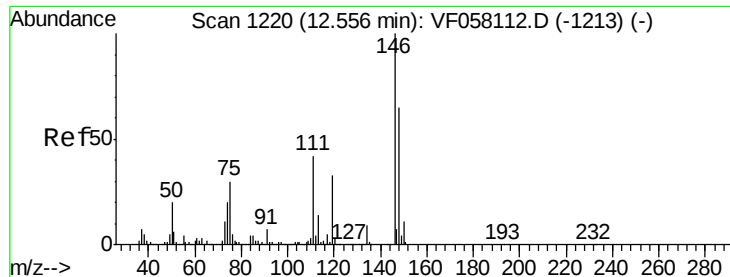
200000

100000

0

Time-->





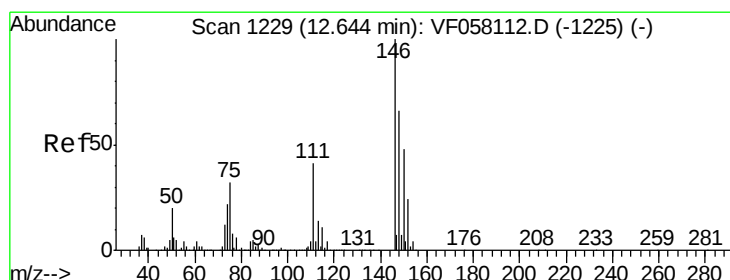
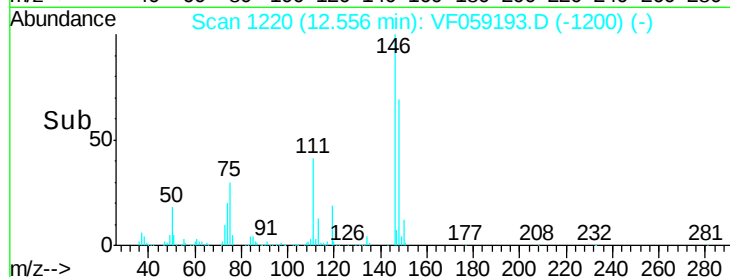
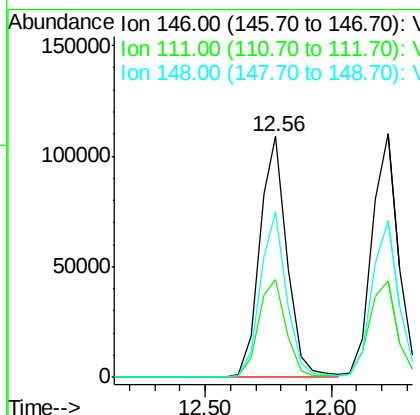
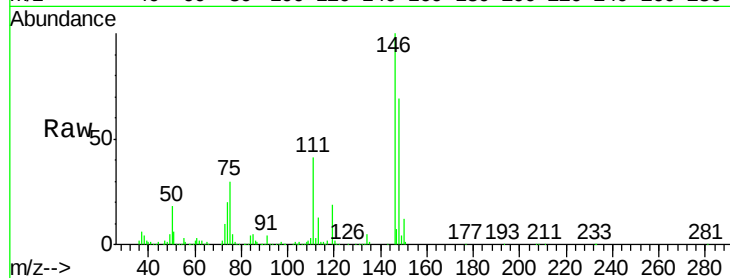
#87
 1,3-Dichlorobenzene
 Concen: 20.74 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.5
148	68.7	32.3	96.9

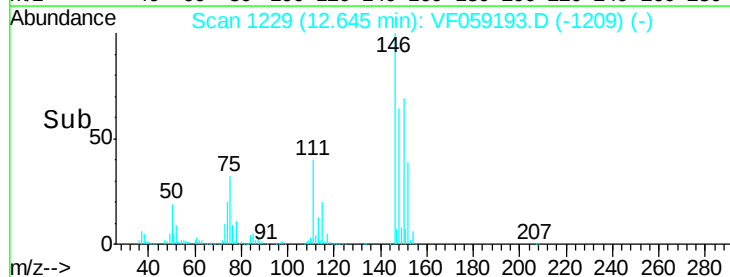
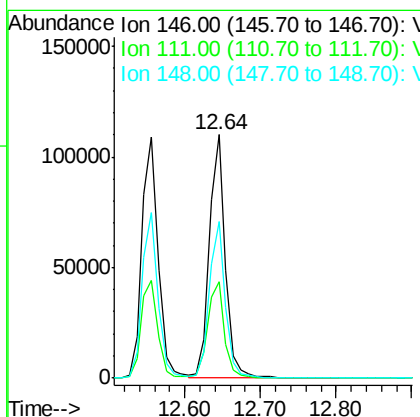
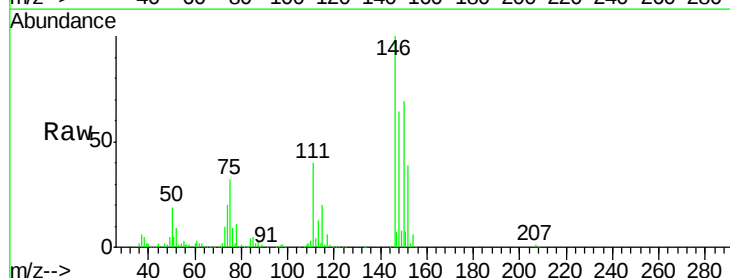
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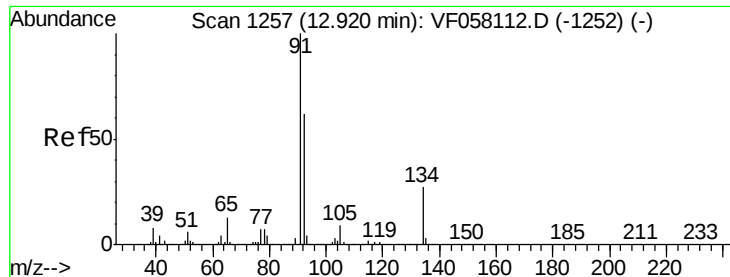
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#88
 1,4-Dichlorobenzene
 Concen: 21.83 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.4	61.2
148	64.3	33.0	99.0





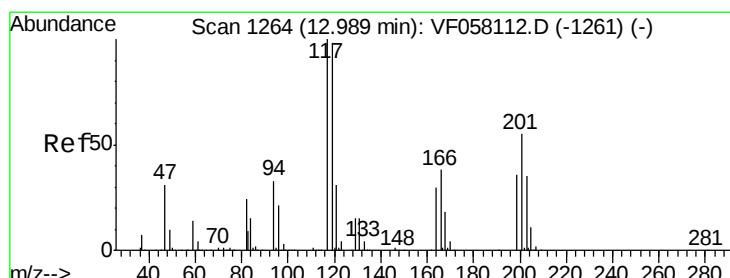
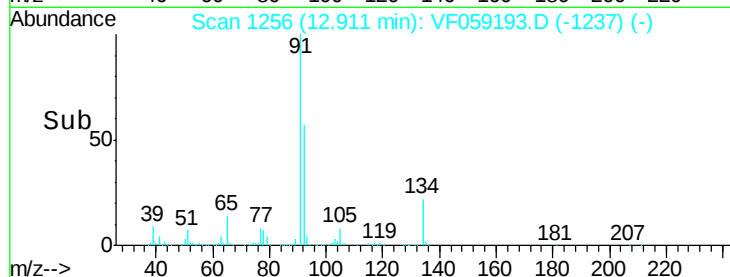
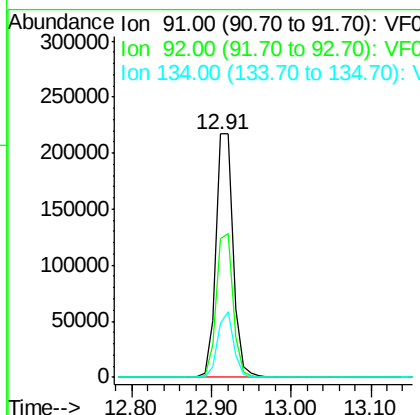
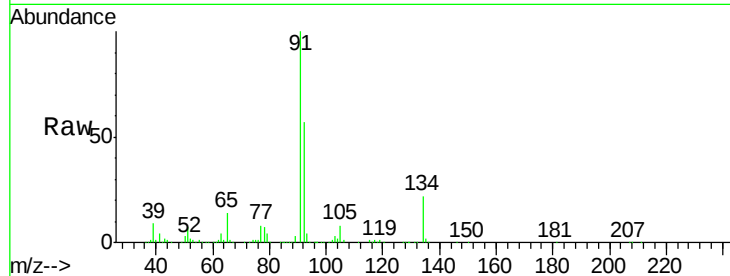
#89
n-Butylbenzene
Concen: 18.85 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.2	31.1	93.5
134	22.3	13.6	40.8

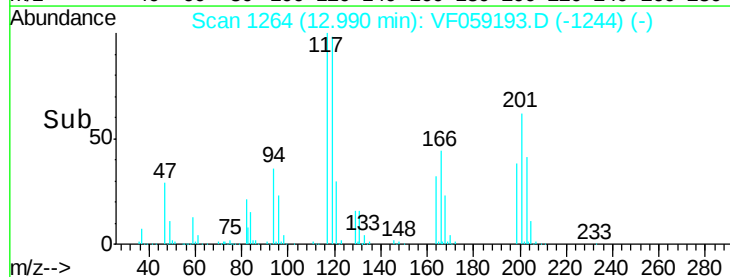
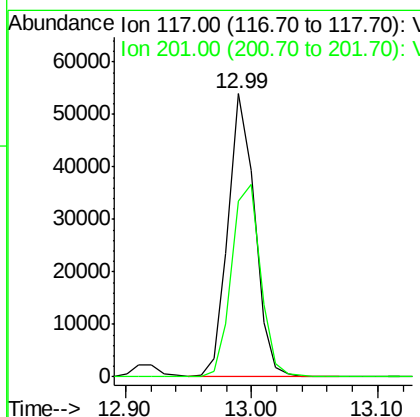
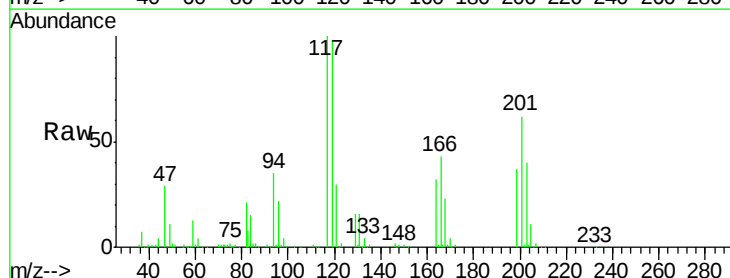
Manual Integrations
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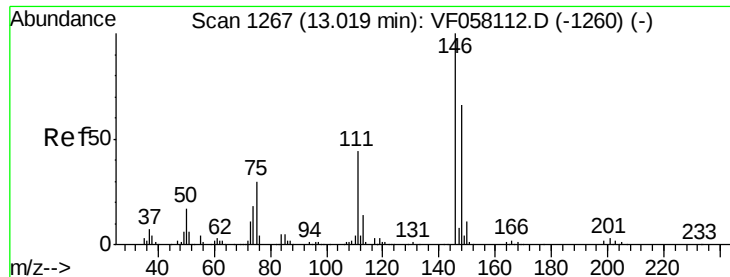
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#90
Hexachloroethane
Concen: 20.64 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.2	27.5	82.4





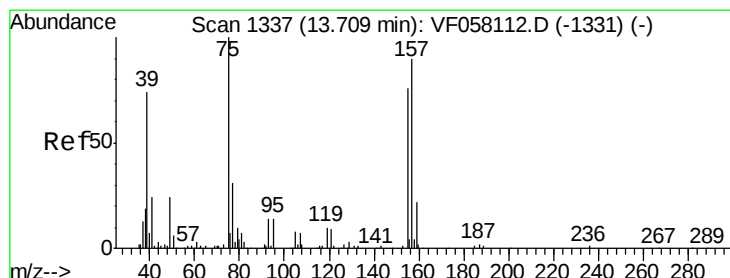
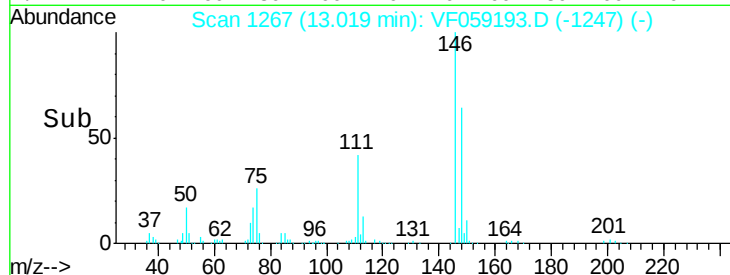
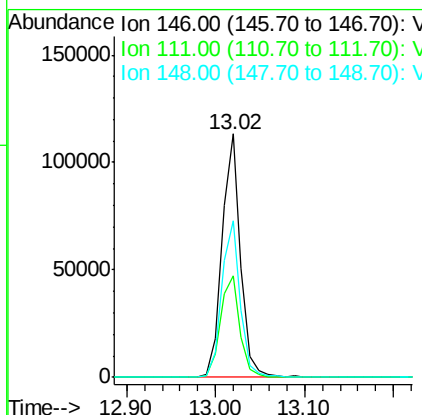
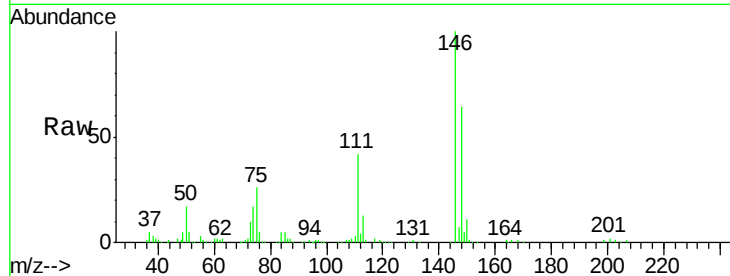
#91
 1,2-Dichlorobenzene
 Concen: 21.88 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.0	66.0
148	64.2	33.1	99.3

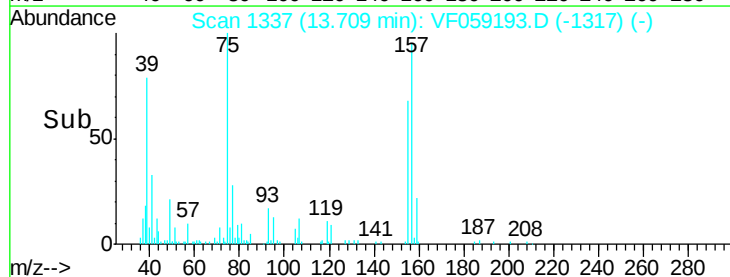
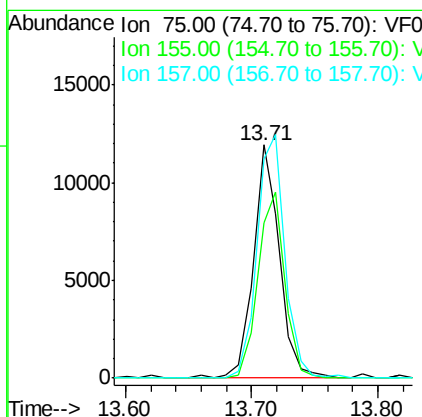
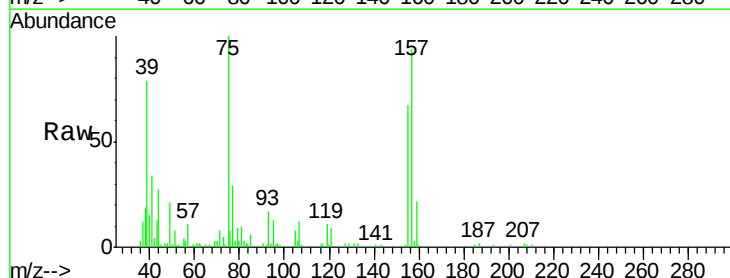
Manual Integrations
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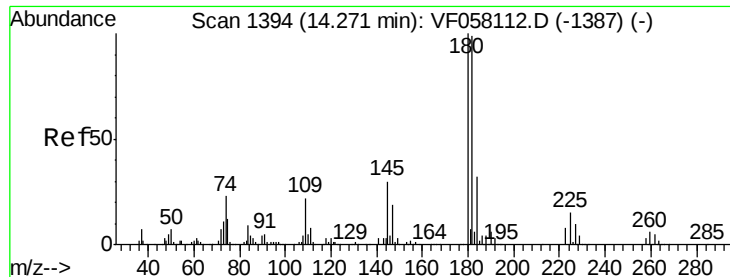
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.73 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.7	38.0	114.0
157	94.3	45.1	135.5





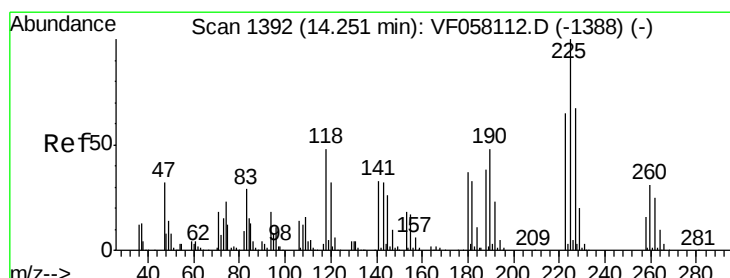
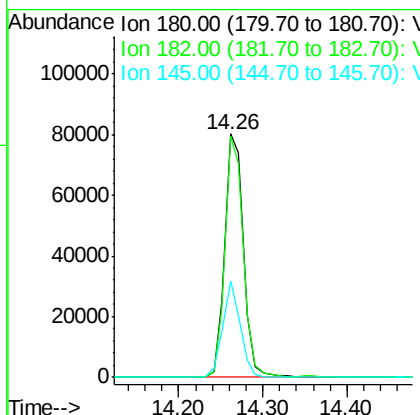
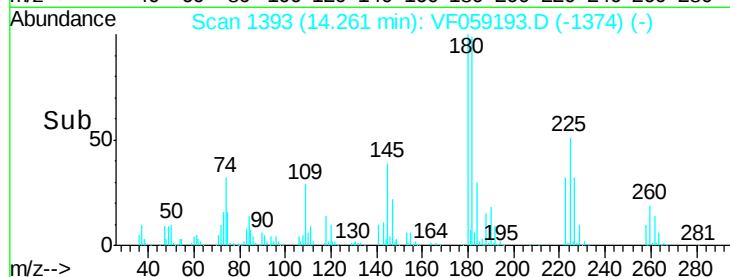
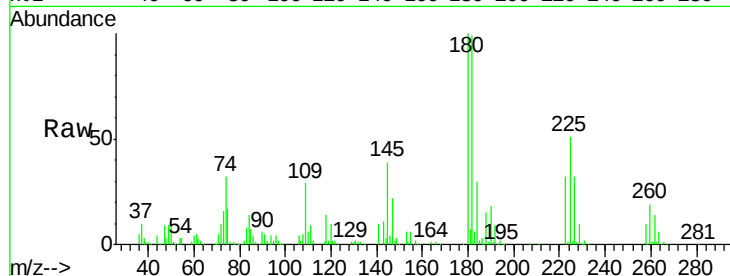
#93
 1,2,4-Trichlorobenzene
 Concen: 23.29 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123320		
182	98.8	49.3	147.9	
145	39.4	14.9	44.9	

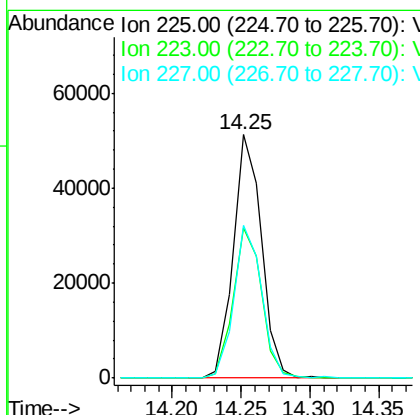
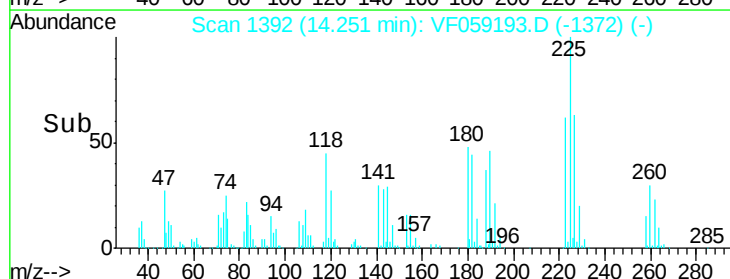
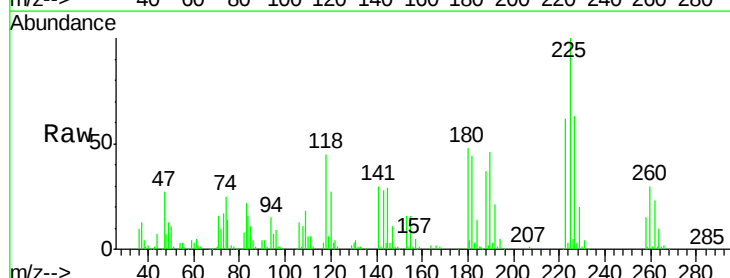
Manual Integrations
 APPROVED

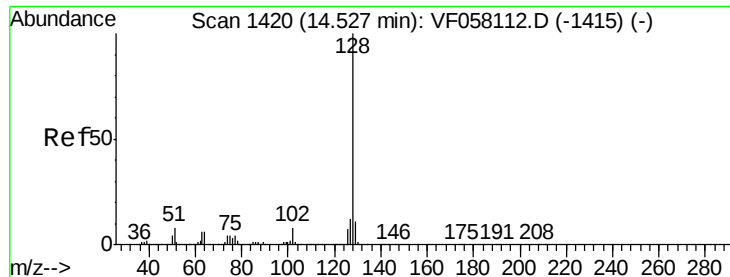
apatel
 6/20/2018 10:16:25 AM



#94
 Hexachlorobutadiene
 Concen: 23.81 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059193.D
 Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72945		
223	61.5	32.8	98.3	
227	62.7	33.3	99.9	





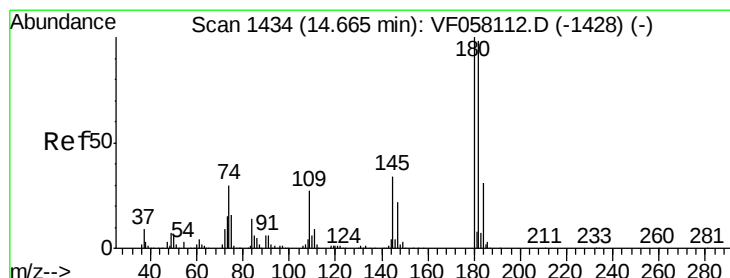
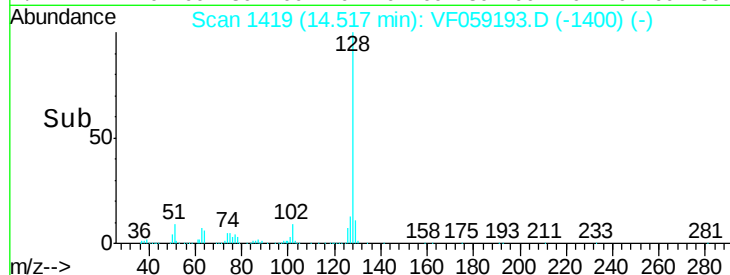
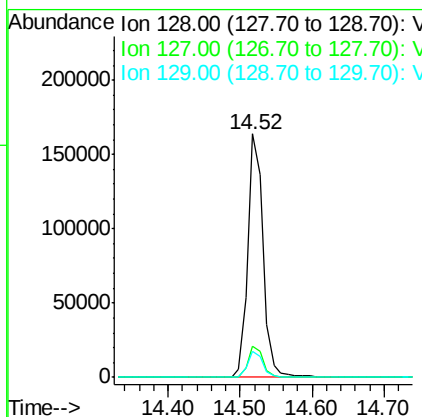
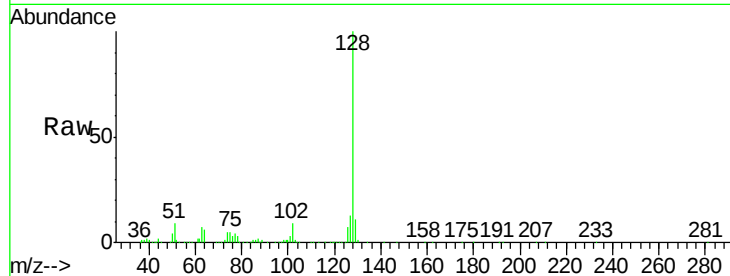
#95
Naphthalene
Concen: 21.58 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.7	9.9	14.9
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 22.98 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059193.D
Acq: 19 Jun 2018 17:19

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.1	48.9	146.6
145	32.4	17.3	51.7

