

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059270.D
 Acq On : 21 Jun 2018 19:32
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF062118

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:50 AM

Quant Time: Jun 22 07:15:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	269688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	460413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	397386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	238481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	184698	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	4.29	113	161295	41.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.28%	
50) Toluene-d8	7.71	98	428658	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	
62) 4-Bromofluorobenzene	11.51	95	221166	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	136625	43.51	ug/l	97
3) Chloromethane	1.08	50	97527	49.31	ug/l	97
4) Vinyl Chloride	1.15	62	95614	48.75	ug/l	96
5) Bromomethane	1.34	94	58015	41.13	ug/l	93
6) Chloroethane	1.43	64	44170	46.17	ug/l	97
7) Trichlorofluoromethane	1.49	101	179810m	46.82	ug/l	
8) Diethyl Ether	1.70	74	41557	48.07	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	96889	45.21	ug/l	91
10) Methyl Iodide	1.97	142	188300	48.07	ug/l	89
11) Tert butyl alcohol	2.68	59	60314	267.38	ug/l	99
12) 1,1-Dichloroethene	1.85	96	94708	49.55	ug/l	93
13) Acrolein	2.09	56	43215	244.64	ug/l	98
14) Allyl chloride	2.19	41	169665	48.09	ug/l	93
15) Acrylonitrile	3.07	53	148658	366.99	ug/l	92
16) Acetone	2.33	43	214432	234.37	ug/l	99
17) Carbon Disulfide	1.87	76	226206	48.72	ug/l	97
18) Methyl Acetate	2.44	43	87167	50.53	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	320541	49.99	ug/l	93
20) Methylene Chloride	2.27	84	94453m	51.17	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	102674	51.46	ug/l	89
22) Diisopropyl ether	2.92	45	386189	52.76	ug/l	93
23) Vinyl Acetate	3.33	43	1223167	261.25	ug/l	98
24) 1,1-Dichloroethane	2.99	63	227280	47.89	ug/l	99
25) 2-Butanone	4.50	43	300662	246.35	ug/l	100
26) 2,2-Dichloropropane	3.75	77	156913	47.45	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	150161	49.54	ug/l	98
28) Bromochloromethane	3.88	49	90437	51.37	ug/l	92
29) Tetrahydrofuran	4.24	42	133998	244.53	ug/l	97
30) Chloroform	4.03	83	320931	46.71	ug/l	100
31) Cyclohexane	3.85	56	163954	50.19	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	222015	42.79	ug/l	97
36) 1,1-Dichloropropene	4.45	75	224007	46.30	ug/l	95
37) Ethyl Acetate	4.29	43	135768	43.91	ug/l #	77
38) Carbon Tetrachloride	4.17	117	249096m	41.91	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	202092	46.67	ug/l	91
40) Benzene	4.81	78	448882	43.72	ug/l	95
41) Methacrylonitrile	4.92	41	70401	47.67	ug/l	96
42) 1,2-Dichloroethane	5.11	62	254577	43.05	ug/l	99
43) Isopropyl Acetate	7.10	43	179903	47.49	ug/l	100
44) Trichloroethene	5.68	130	156341	43.94	ug/l	94
45) 1,2-Dichloropropane	6.40	63	134515	44.91	ug/l	94
46) Dibromomethane	6.25	93	112287	44.42	ug/l	96
47) Bromodichloromethane	6.54	83	265780	43.91	ug/l	100
48) Methyl methacrylate	6.87	41	118321	49.33	ug/l	95
49) 1,4-Dioxane	6.86	88	15241	1095.75	ug/l #	89
51) 4-Methyl-2-Pentanone	8.41	43	624634	231.20	ug/l	99
52) Toluene	7.78	92	325210	41.04	ug/l	91
53) t-1,3-Dichloropropene	8.43	75	243427	42.84	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	269743	44.96	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	131976	43.15	ug/l	93
56) Ethyl methacrylate	8.76	69	169456	48.46	ug/l	95
57) 1,3-Dichloropropane	9.00	76	235756	46.60	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	56042	200.39	ug/l	100
59) 2-Hexanone	9.63	43	508592	237.44	ug/l	94
60) Dibromochloromethane	8.86	129	203352	45.18	ug/l	90
61) 1,2-Dibromoethane	9.14	107	163143	46.30	ug/l	97
64) Tetrachloroethene	8.30	164	157321	51.55	ug/l	95
65) Chlorobenzene	9.93	112	415971	49.19	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	182288	51.75	ug/l	92
67) Ethyl Benzene	10.03	91	735884	51.26	ug/l	99
68) m/p-Xylenes	10.27	106	520436	100.86	ug/l	97
69) o-Xylene	10.83	106	283607	49.76	ug/l	96
70) Styrene	10.90	104	440151	51.23	ug/l	98
71) Bromoform	10.89	173	129160	51.41	ug/l #	98
73) Isopropylbenzene	11.23	105	851748	51.85	ug/l	98
74) N-amyl acetate	11.46	43	313531	58.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	200105	51.91	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	150309	53.26	ug/l	99
77) Bromobenzene	11.59	156	223581	50.38	ug/l	84
78) n-propylbenzene	11.69	91	959191	49.35	ug/l	100
79) 2-Chlorotoluene	11.82	91	569988	48.91	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	704572	50.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	88853	49.16	ug/l	95
82) 4-Chlorotoluene	11.98	91	617168	49.30	ug/l	93
83) tert-Butylbenzene	12.21	119	698975	49.72	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	708168	48.41	ug/l	99
85) sec-Butylbenzene	12.39	105	937683	49.98	ug/l	98
86) p-Isopropyltoluene	12.54	119	801207	51.80	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	391773	49.23	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	396658	50.47	ug/l	96
89) n-Butylbenzene	12.92	91	790376	50.18	ug/l	97
90) Hexachloroethane	13.00	117	189546	49.02	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	389254	49.32	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	41619	50.00	ug/l	89

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	289390	50.20	µg/l	99
94) Hexachlorobutadiene	14.26	225	169755	49.68	µg/l	100
95) Naphthalene	14.53	128	645377	54.52	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	286563	52.83	µg/l	99

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

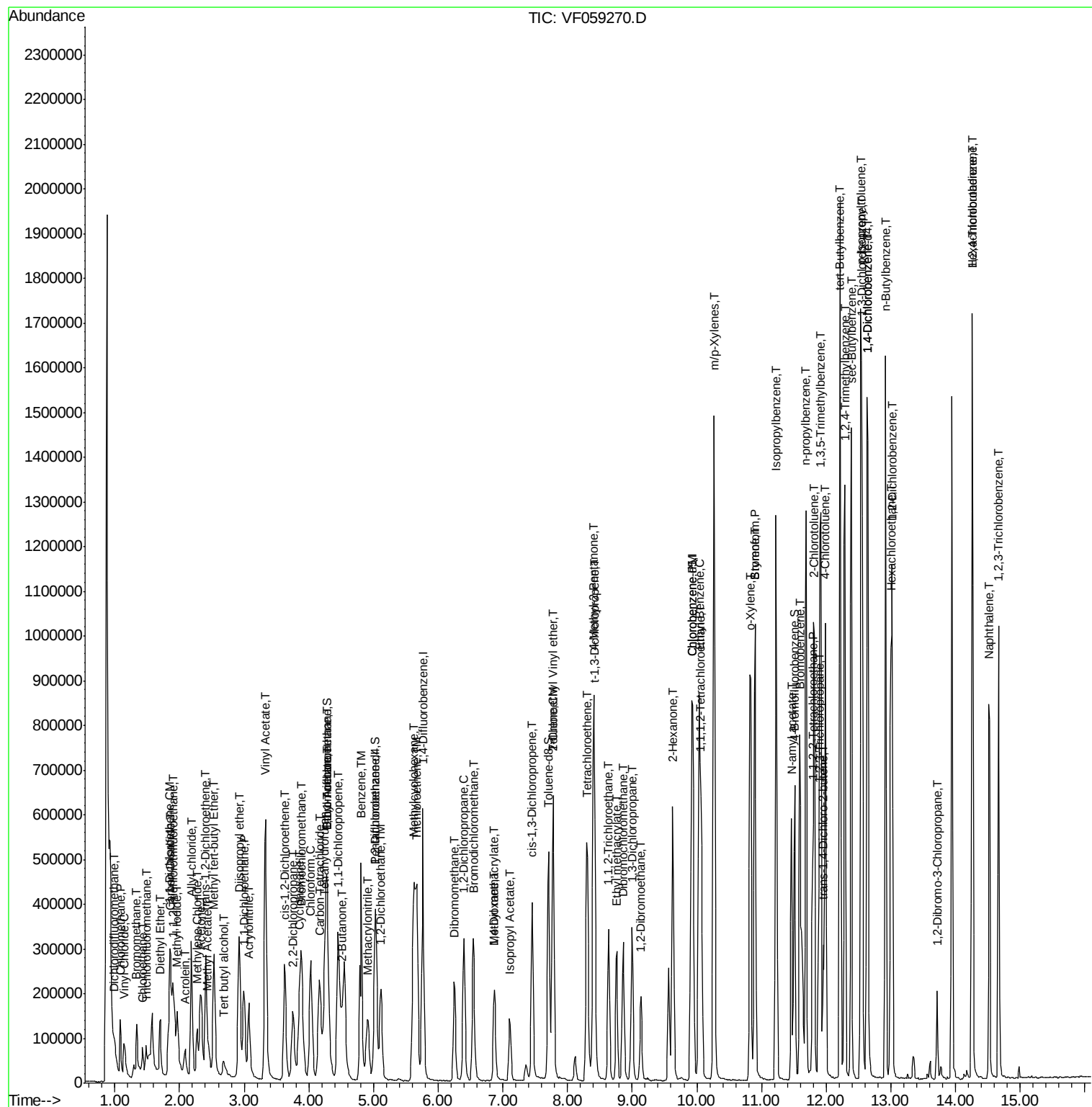
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062118\
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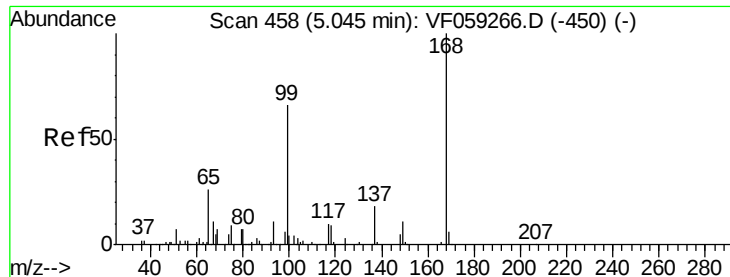
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV062118

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion:168 Resp: 269688

Ion Ratio Lower Upper

168 100

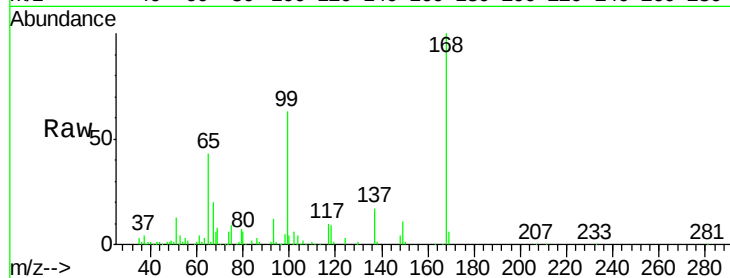
99 62.5 52.6 78.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

60000

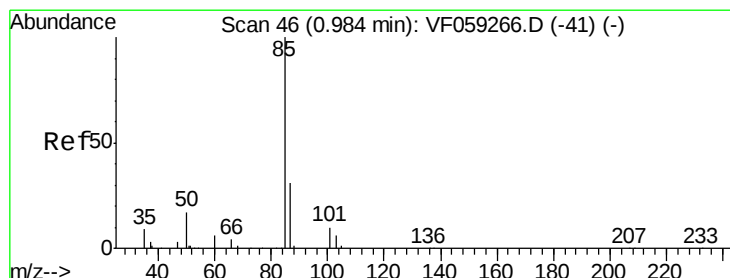
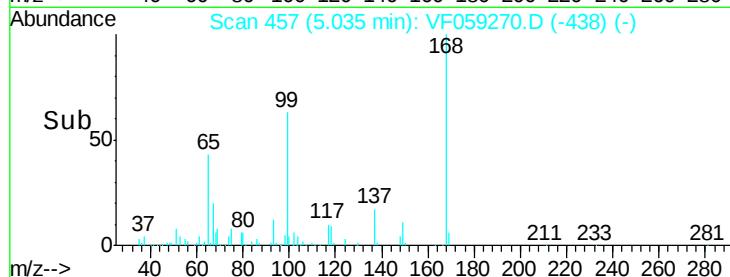
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 43.51 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059270.D

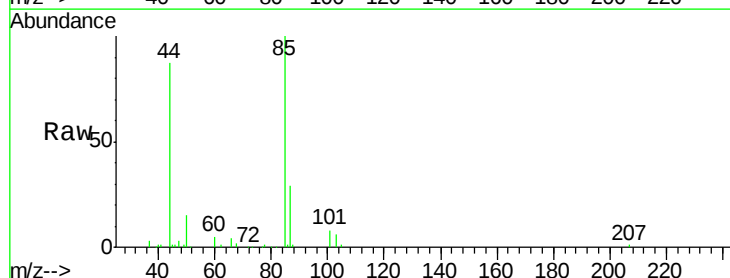
Acq: 21 Jun 2018 19:32

Tgt Ion: 85 Resp: 136625

Ion Ratio Lower Upper

85 100

87 29.3 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

30000

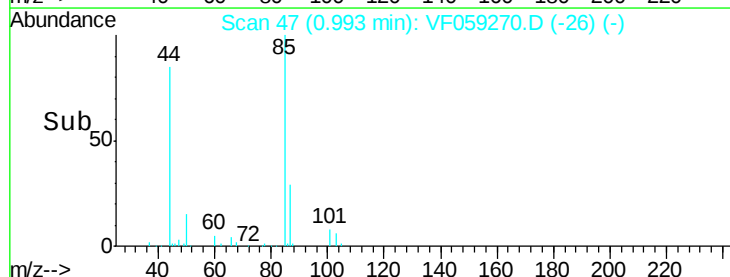
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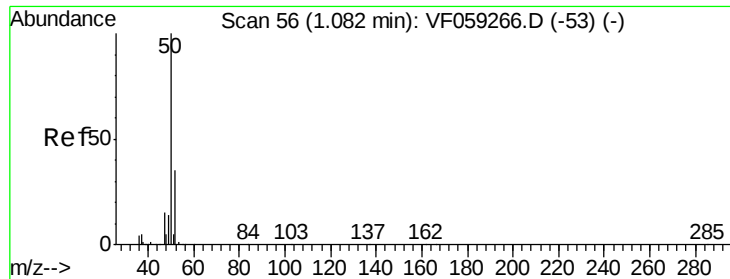
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 49.31 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 50 Resp: 97527

Ion Ratio Lower Upper

50 100

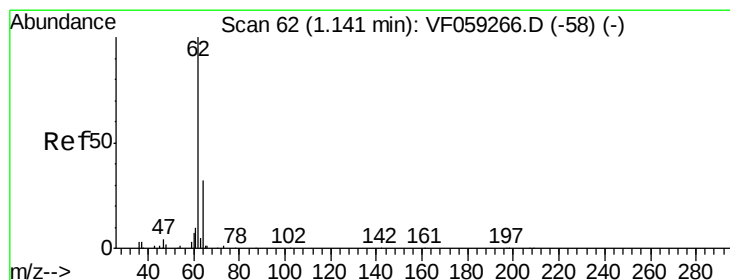
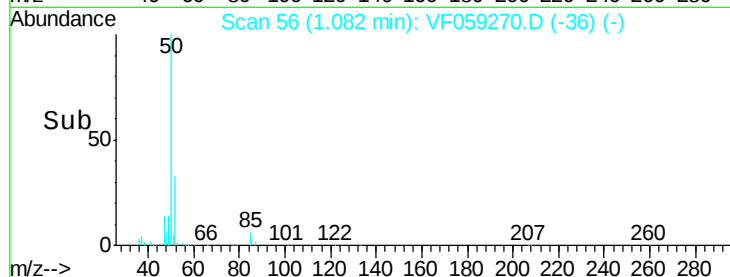
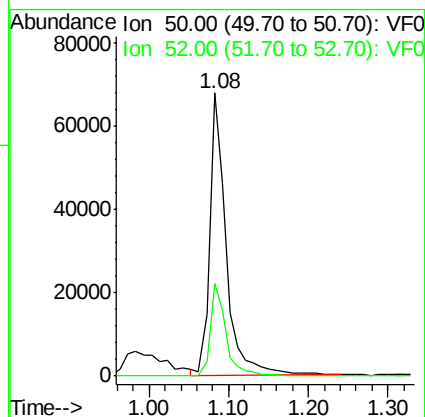
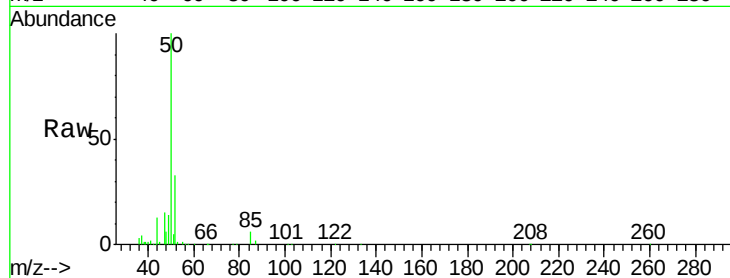
52 32.9 27.7 41.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.75 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059270.D

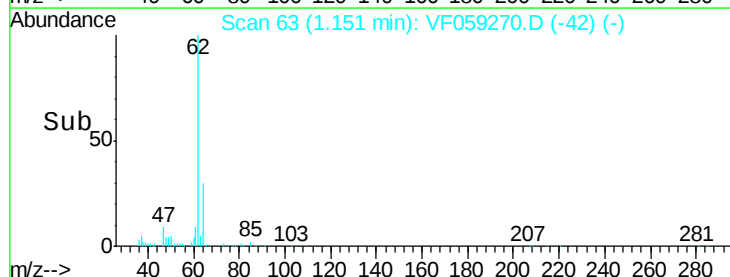
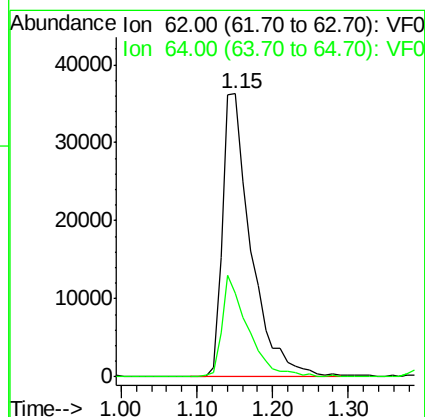
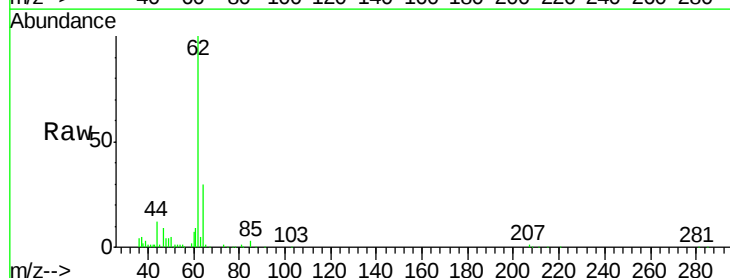
Acq: 21 Jun 2018 19:32

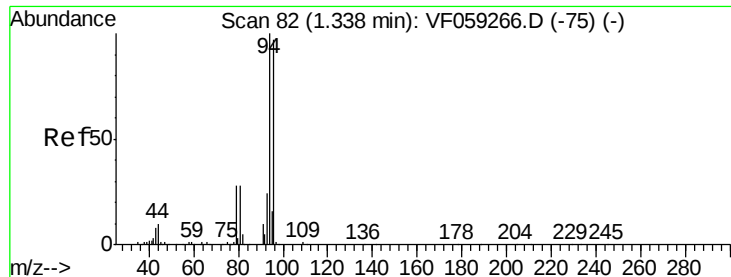
Tgt Ion: 62 Resp: 95614

Ion Ratio Lower Upper

62 100

64 29.7 25.7 38.5





#5

Bromomethane

Concen: 41.13 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

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ClientSampleId :

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Tot Ion: 94 Resp: 58015

Ion Ratio Lower Upper

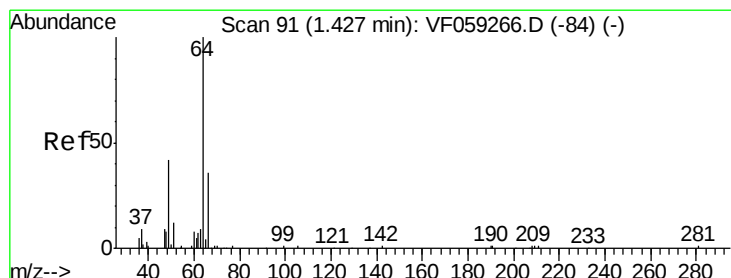
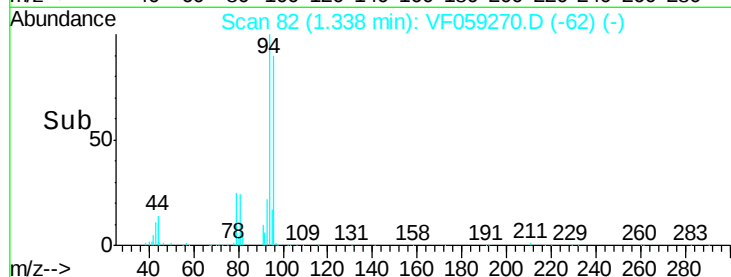
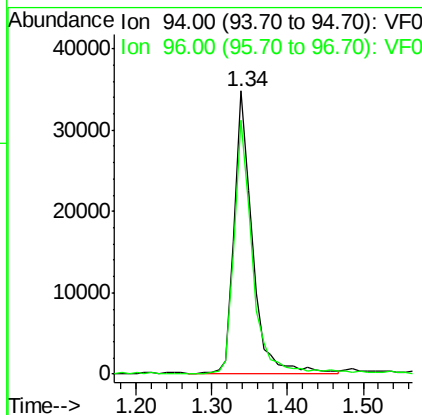
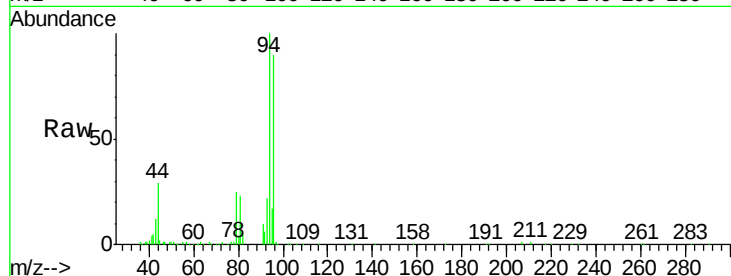
94 100

96 89.7 77.7 116.5

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#6

Chloroethane

Concen: 46.17 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059270.D

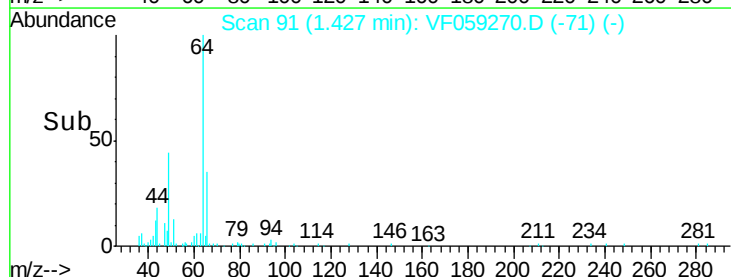
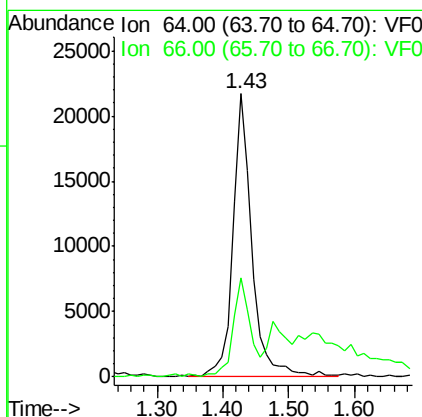
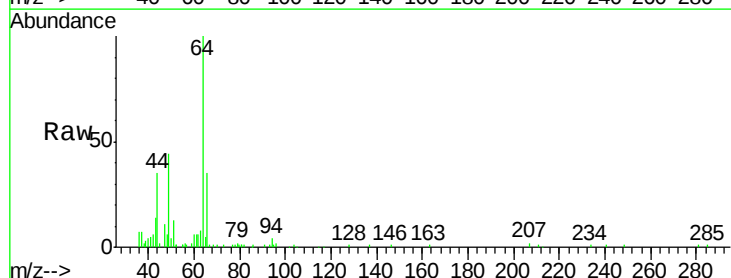
Acq: 21 Jun 2018 19:32

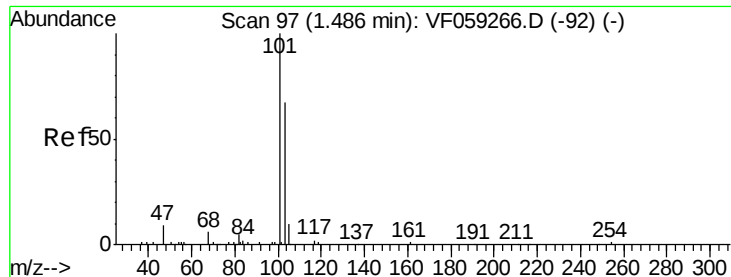
Tgt Ion: 64 Resp: 44170

Ion Ratio Lower Upper

64 100

66 35.1 29.4 44.2





#7

Trichlorofluoromethane

Concen: 46.82 ug/l m

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

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Acq: 21 Jun 2018 19:32

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ClientSampleId :

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Tot Ion:101 Resp: 179810

Ion Ratio Lower Upper

101 100

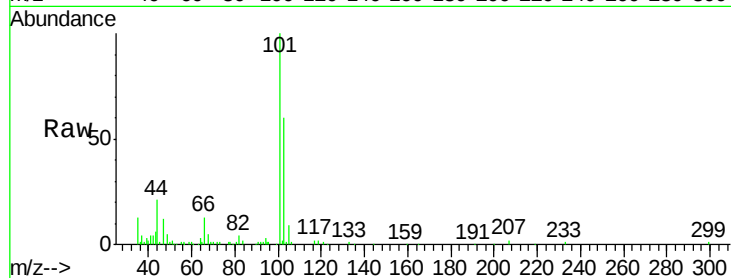
103 60.0 53.8 80.8

Manual Integrations

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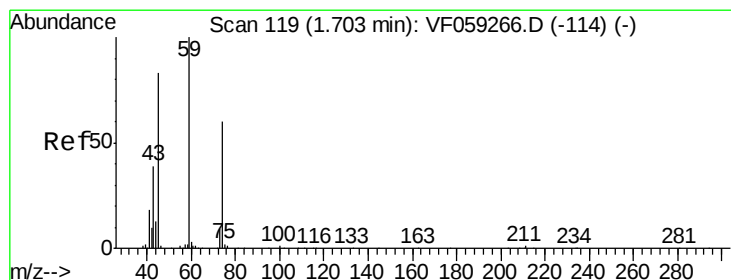
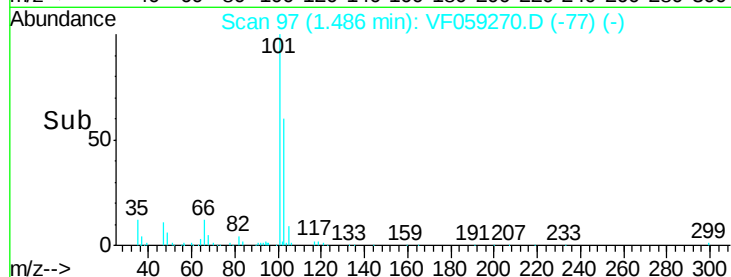
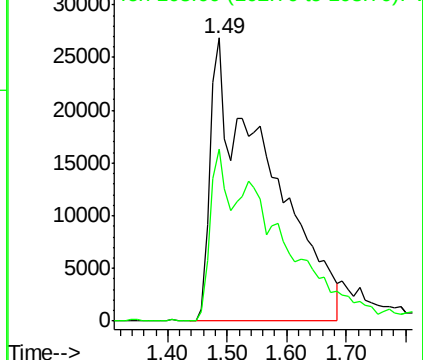
apatel

6/22/2018 11:34:50 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 48.07 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059270.D

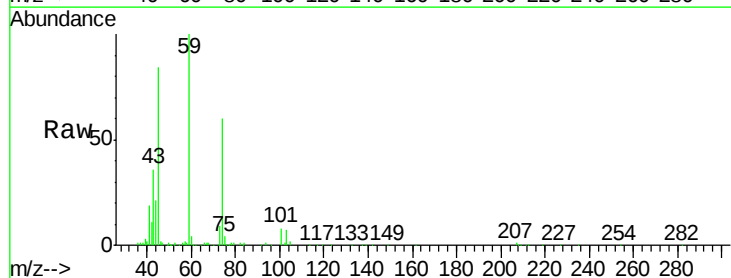
Acq: 21 Jun 2018 19:32

Tgt Ion: 74 Resp: 41557

Ion Ratio Lower Upper

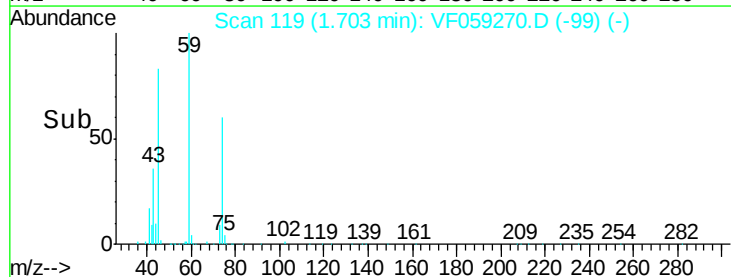
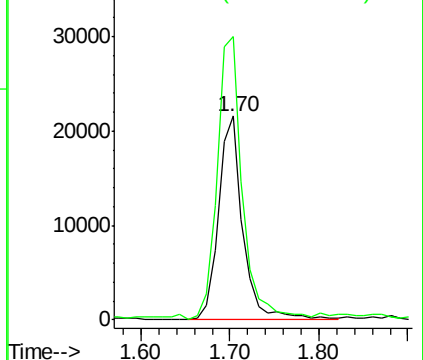
74 100

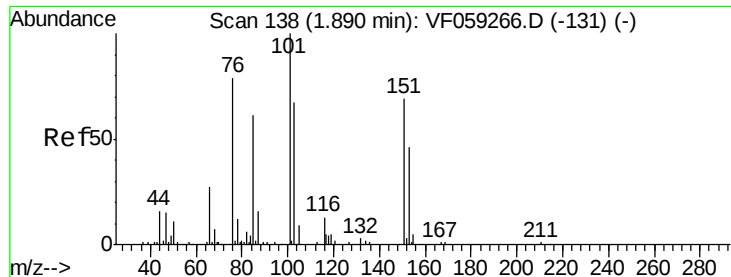
45 138.9 69.2 207.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.21 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

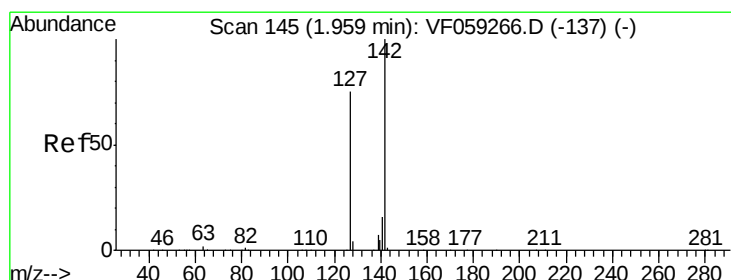
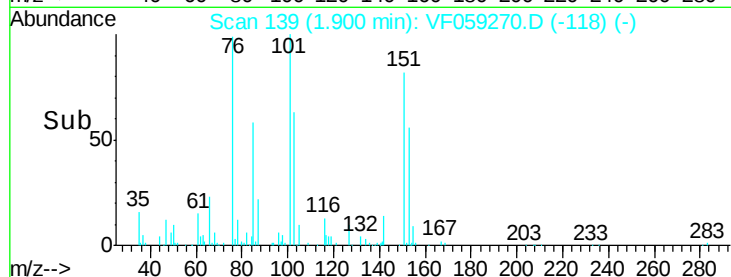
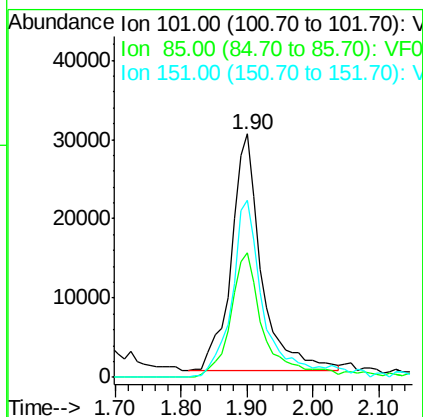
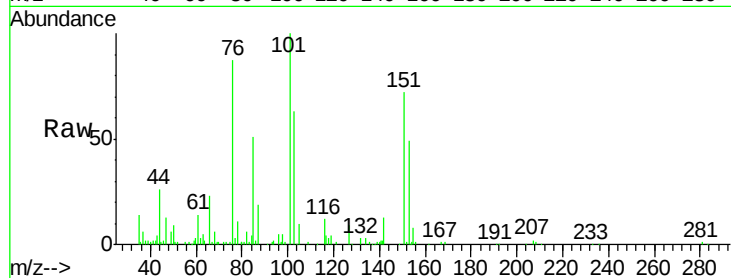
ClientSampleId :

ICVVF062118

Tot Ion:	101	Resp:	96889
Ion Ratio	Lower	Upper	
101	100		
85	51.1	47.2	70.8
151	72.9	53.3	79.9

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#10

Methyl Iodide

Concen: 48.07 ug/l

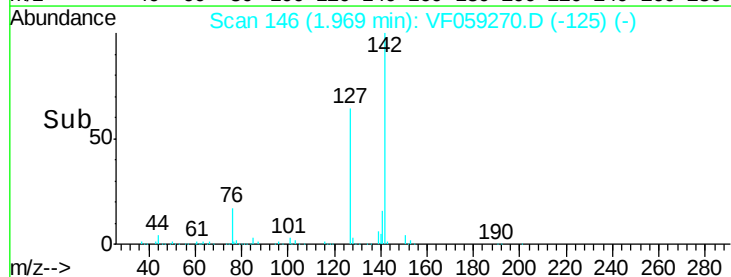
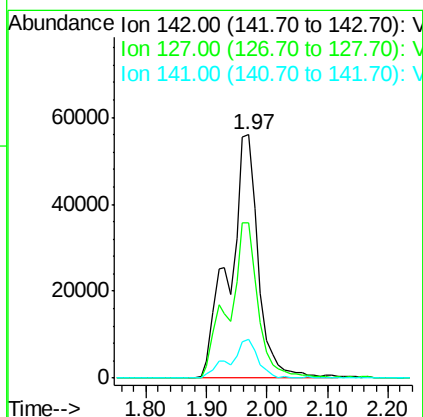
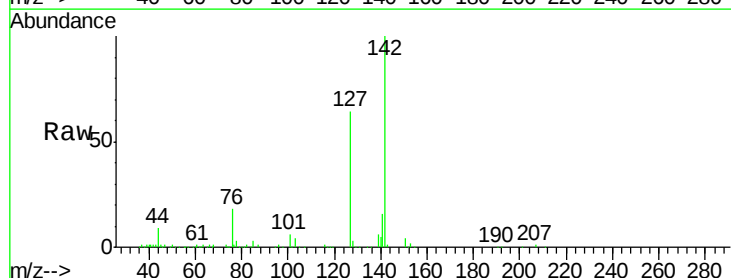
RT: 1.97 min Scan# 146

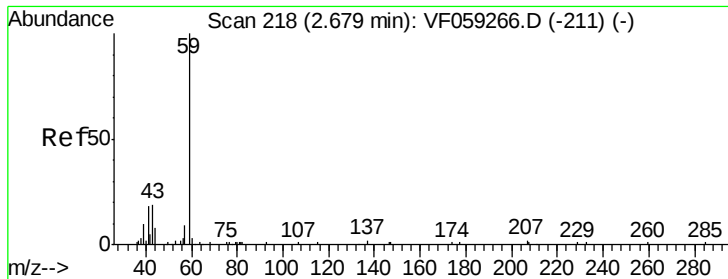
Delta R.T. 0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	142	Resp:	188300
Ion Ratio	Lower	Upper	
142	100		
127	63.6	59.9	89.9
141	15.7	12.7	19.1





#11

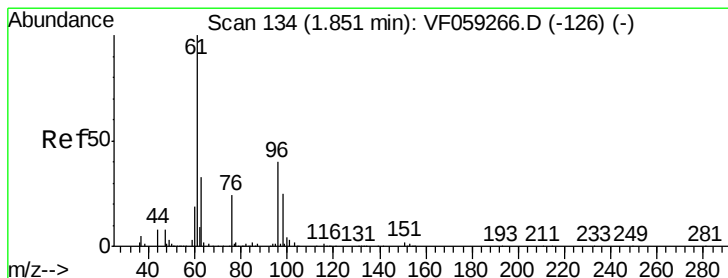
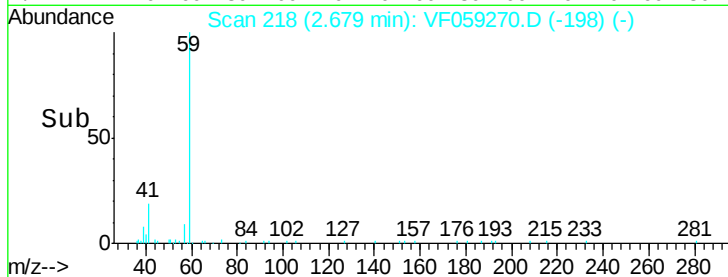
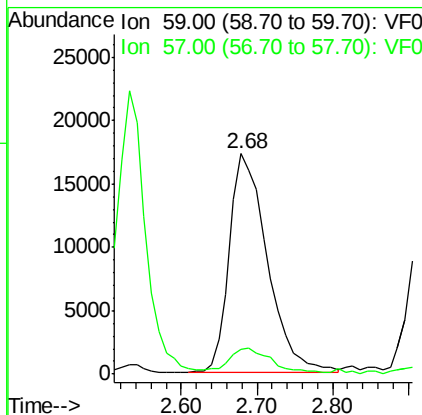
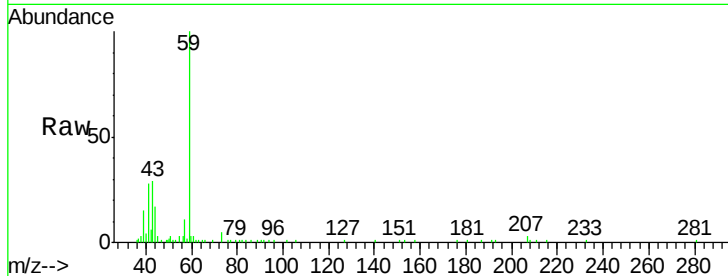
Tert butyl alcohol
Concen: 267.38 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	59	Resp	60314
Ion Ratio	100	Lower	Upper
57	11.0	9.2	13.8

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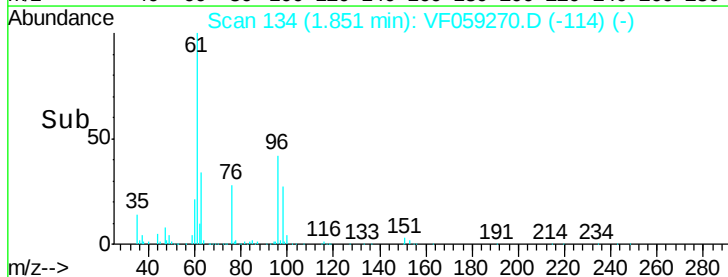
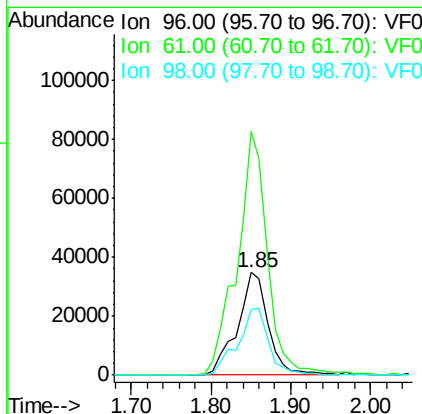
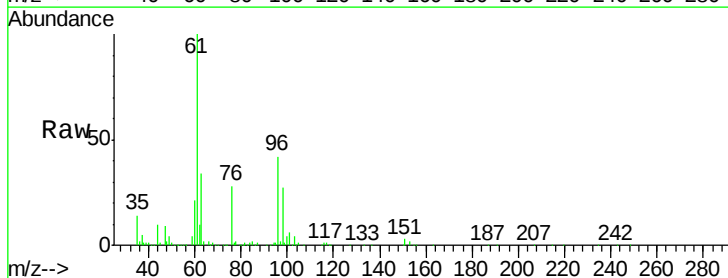
apatel
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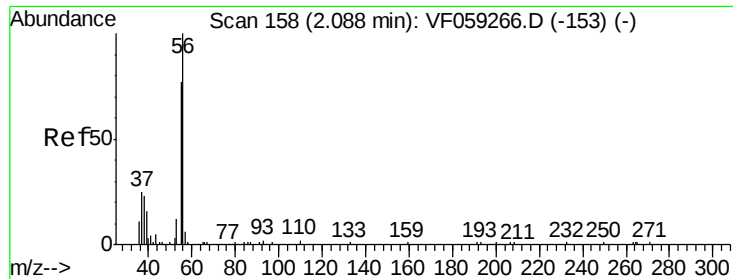


#12

1,1-Dichloroethene
Concen: 49.55 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	96	Resp	94708
Ion Ratio	100	Lower	Upper
61	237.1	201.4	302.2
98	64.2	50.0	75.0





#13

Acrolein

Concen: 244.64 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 56 Resp: 43215

Ion Ratio Lower Upper

56 100

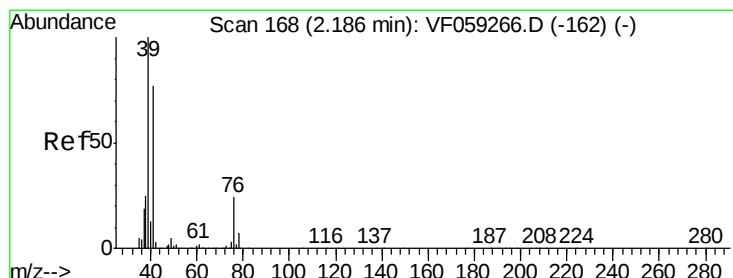
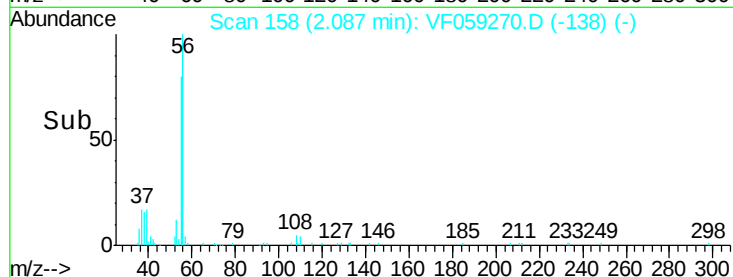
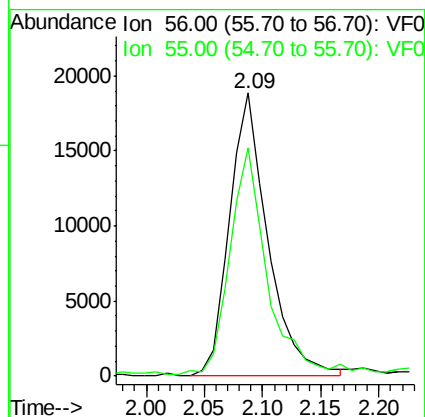
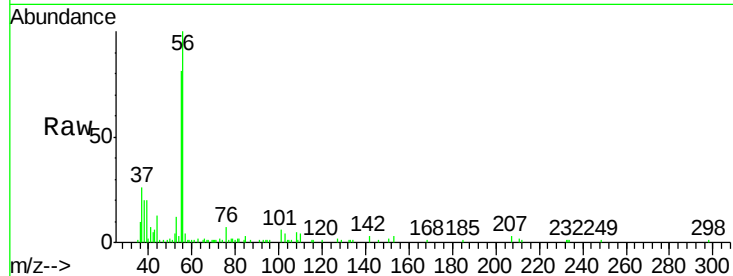
55 80.7 63.0 94.6

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#14

Allyl chloride

Concen: 48.09 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

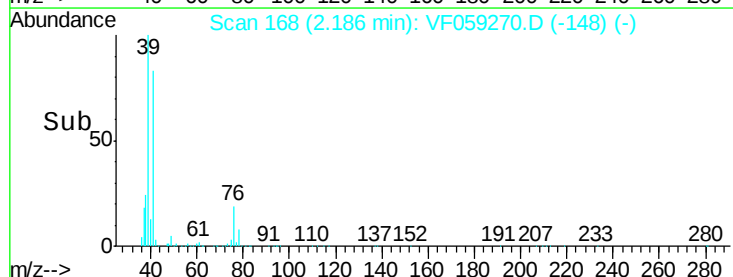
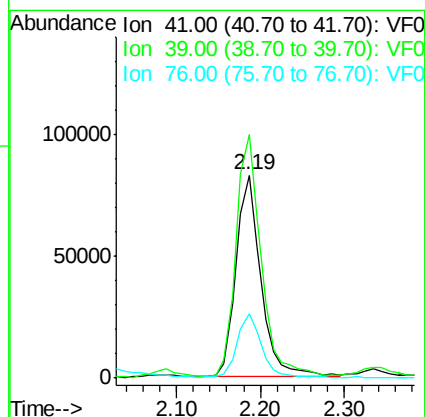
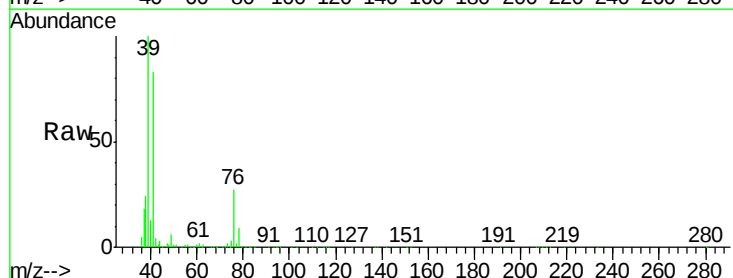
Tgt Ion: 41 Resp: 169665

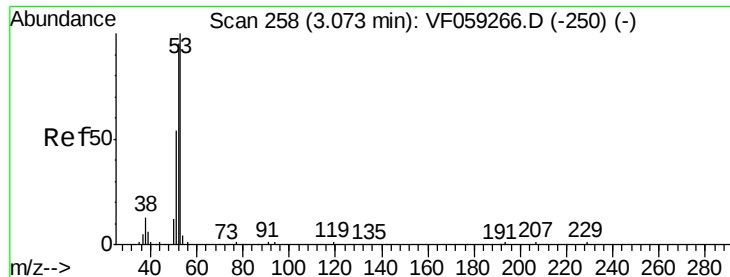
Ion Ratio Lower Upper

41 100

39 120.0 103.8 155.6

76 32.0 25.0 37.6





#15

Acrylonitrile

Concen: 366.99 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

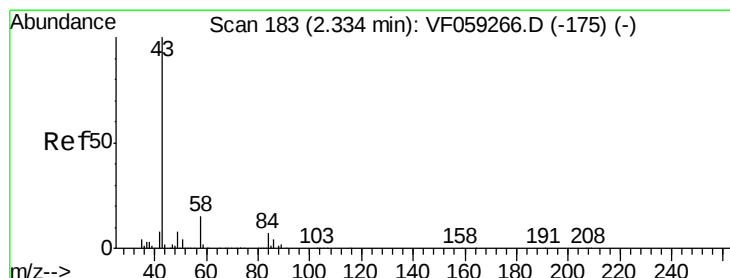
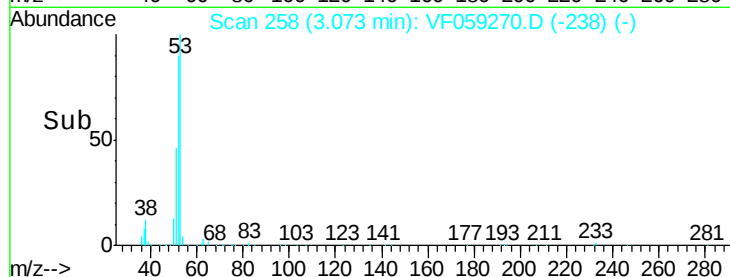
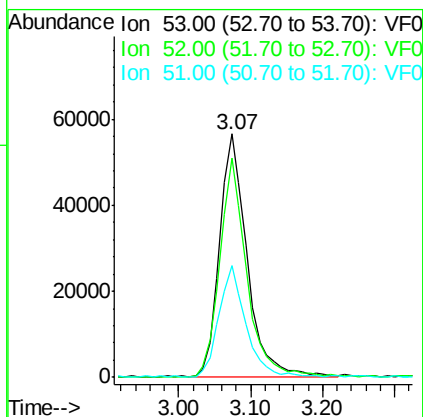
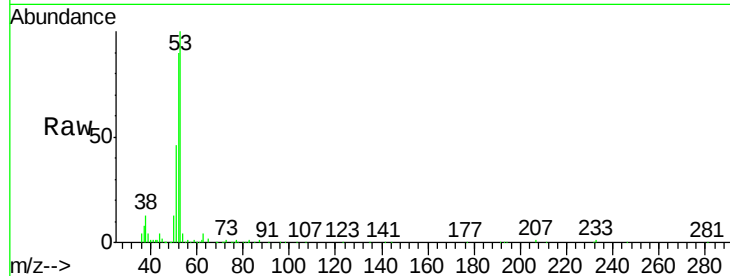
ClientSampleId :

ICVVF062118

Tot Ion:	53	Resp:	148658
Ion	Ratio	Lower	Upper
53	100		
52	89.9	75.7	113.5
51	46.1	44.5	66.7

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#16

Acetone

Concen: 234.37 ug/l

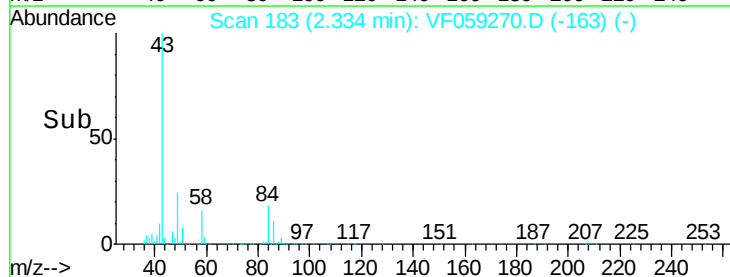
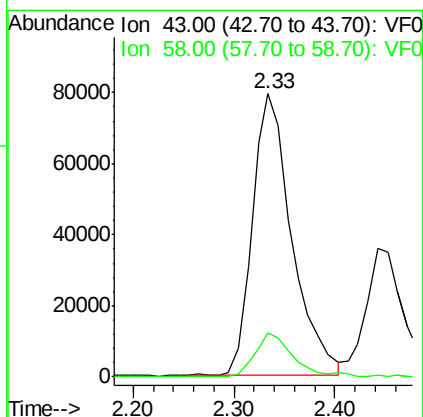
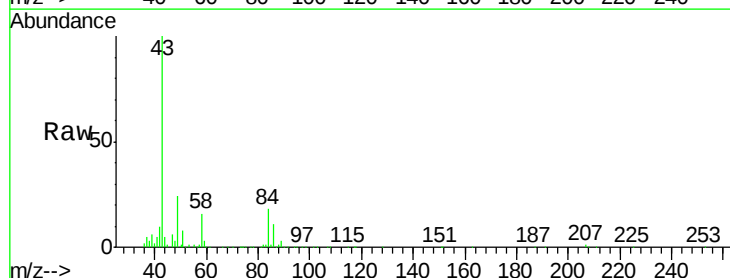
RT: 2.33 min Scan# 183

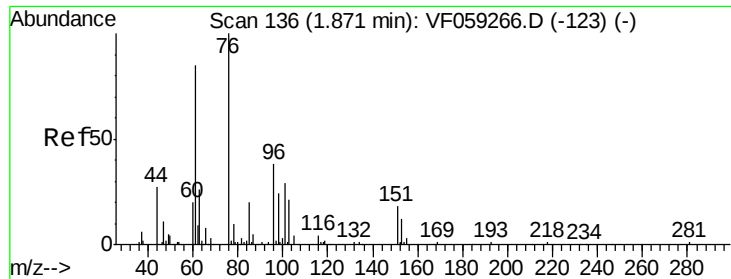
Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	43	Resp:	214432
Ion	Ratio	Lower	Upper
43	100		
58	15.5	12.1	18.1





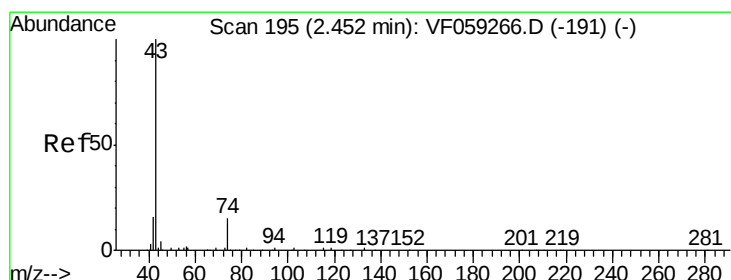
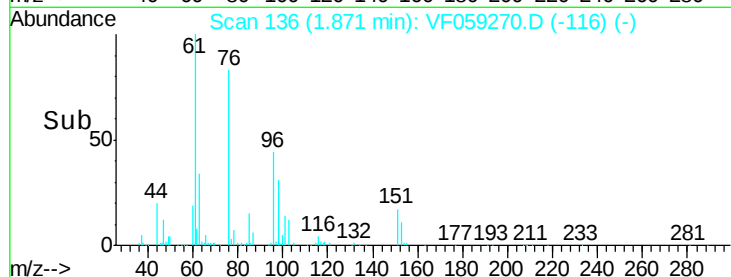
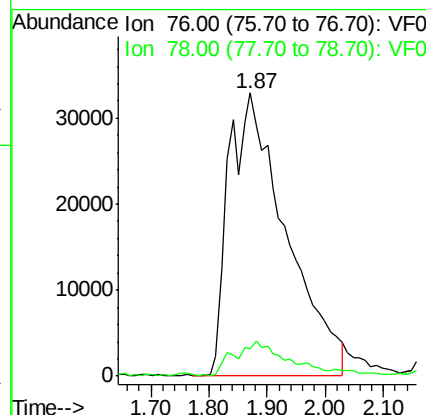
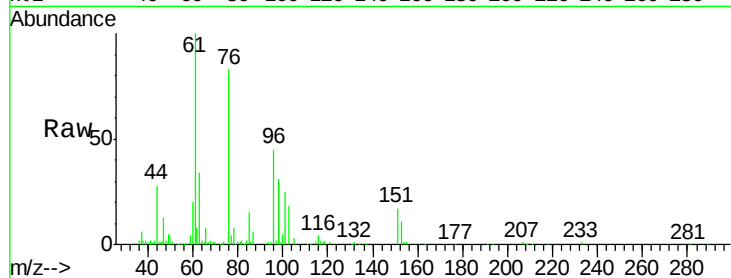
#17
Carbon Disulfide
Concen: 48.72 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	8.6	12.8

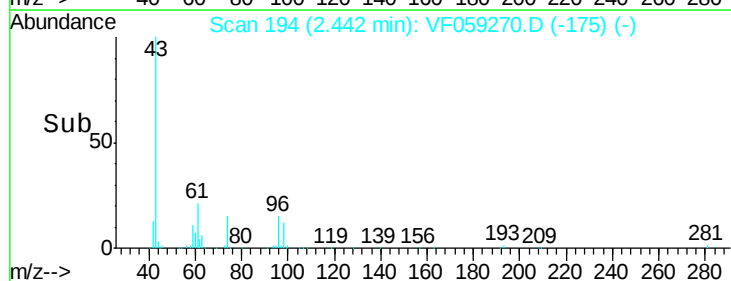
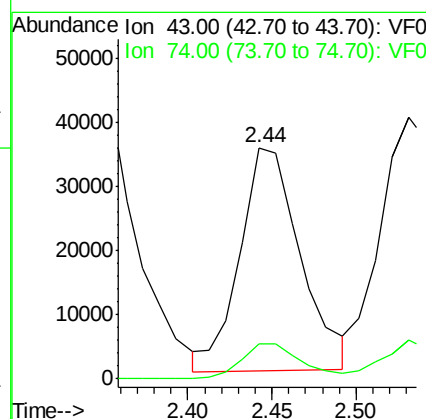
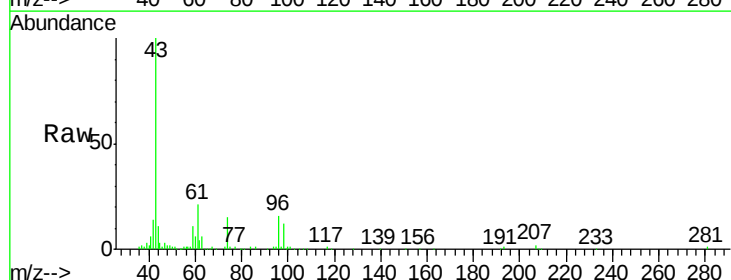
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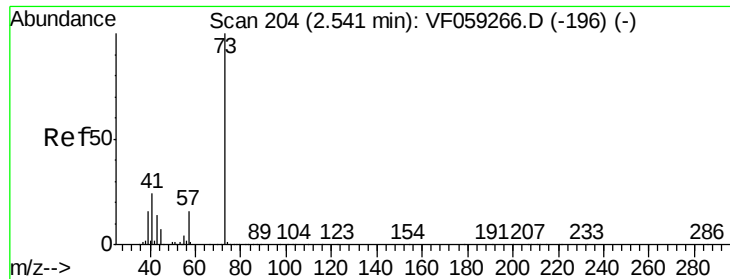
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#18
Methyl Acetate
Concen: 50.53 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.2	11.0	16.4





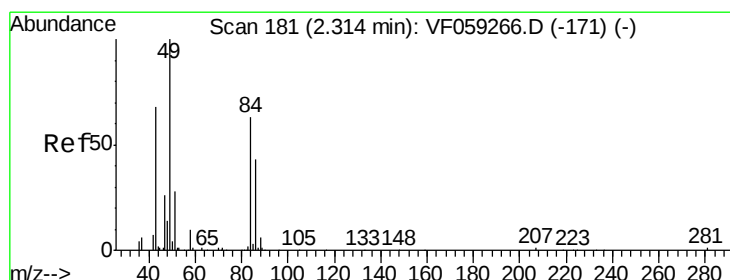
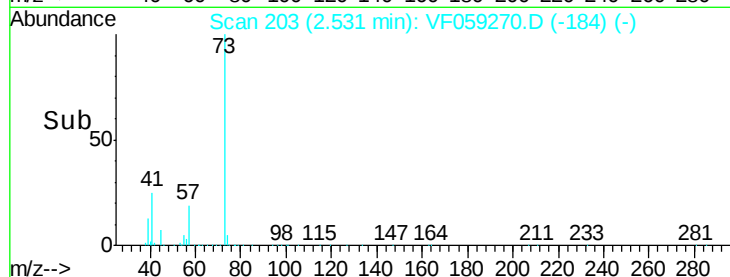
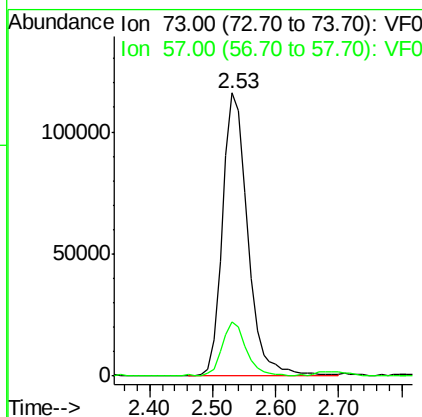
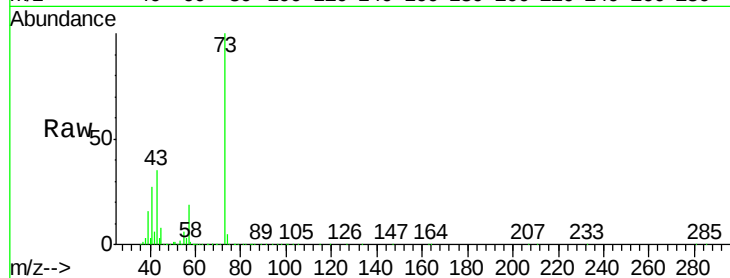
#19
Methyl tert-butyl Ether
Concen: 49.99 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	13.0	19.4

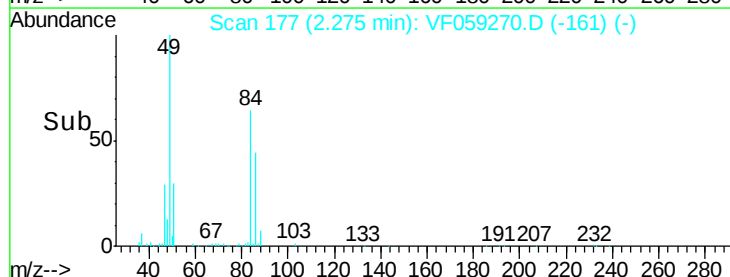
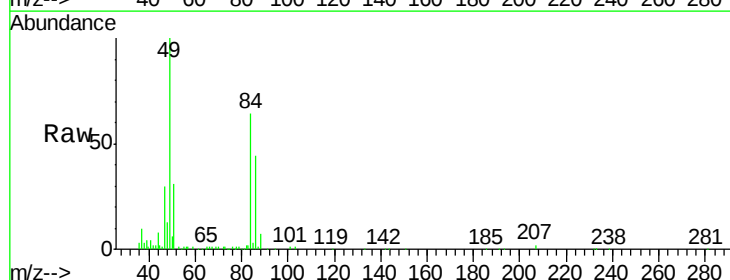
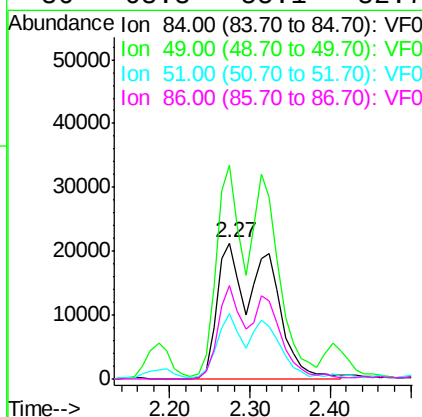
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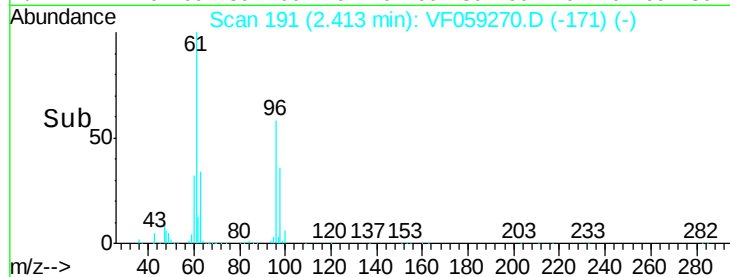
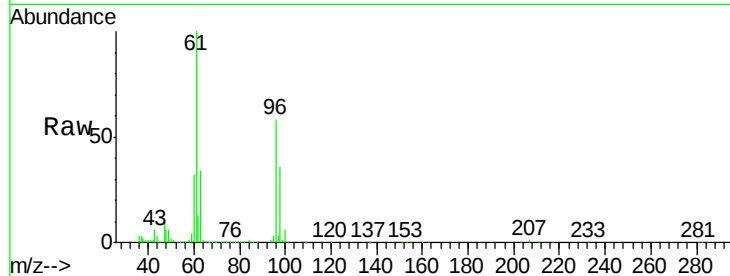
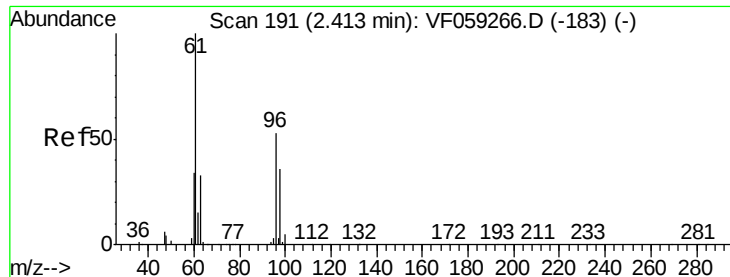
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#20
Methylene Chloride
Concen: 51.17 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.04 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.7	130.0	195.0
51	48.3	36.6	55.0
86	68.8	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 51.46 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059270.D

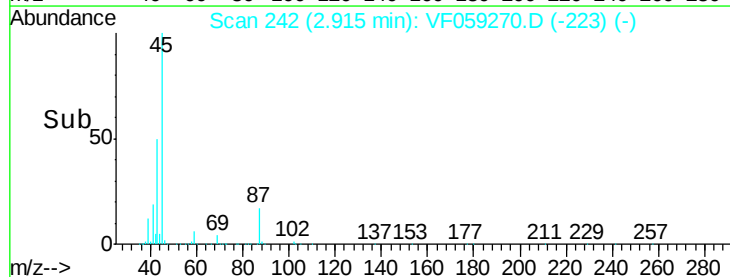
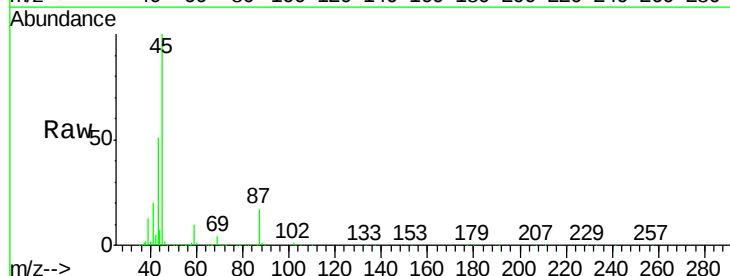
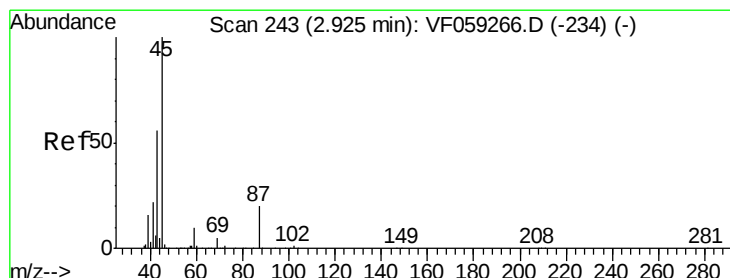
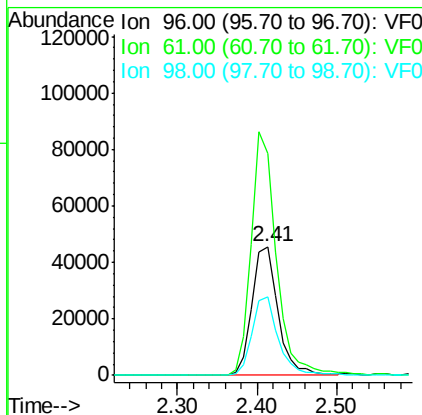
Acq: 21 Jun 2018 19:32

Tot Ion:	96	Resp:	102674
Ion	Ratio	Lower	Upper
96	100		
61	172.0	151.2	226.8
98	61.4	54.2	81.2

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

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#22

Diisopropyl ether

Concen: 52.76 ug/l

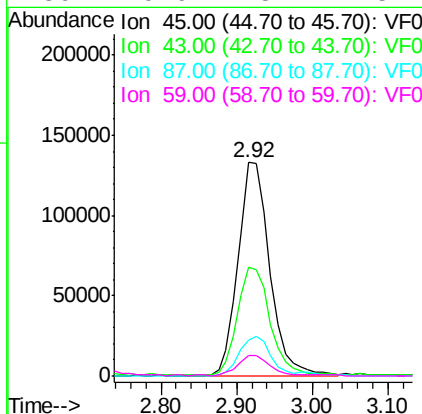
RT: 2.92 min Scan# 242

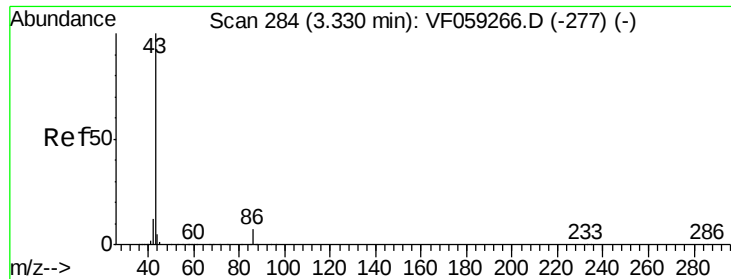
Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	45	Resp:	386189
Ion	Ratio	Lower	Upper
45	100		
43	51.0	45.8	68.6
87	17.0	15.7	23.5
59	9.9	8.7	13.1





#23

Vinyl Acetate

Concen: 261.25 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 43 Resp: 1223167

Ion Ratio Lower Upper

43 100

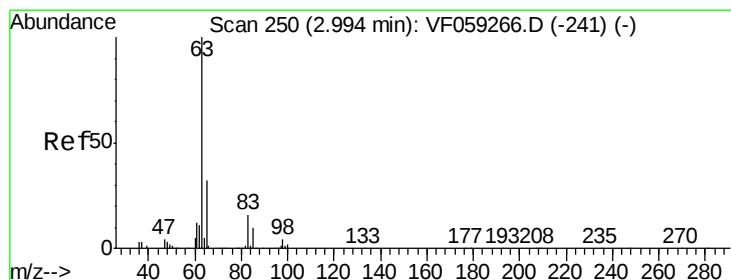
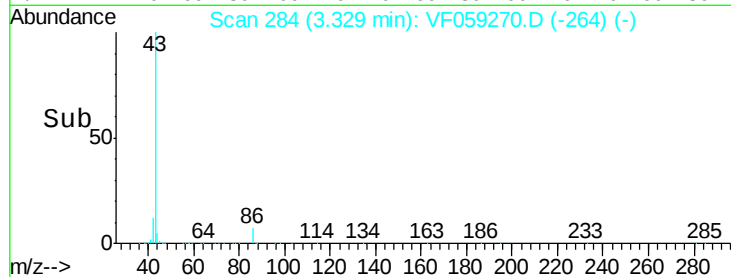
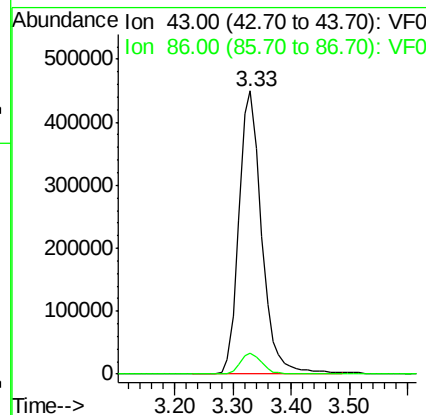
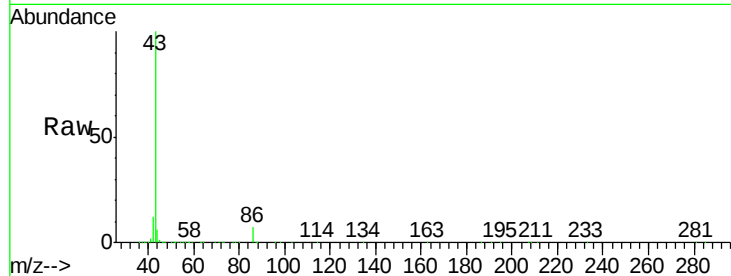
86 7.4 5.4 8.2

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#24

1,1-Dichloroethane

Concen: 47.89 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

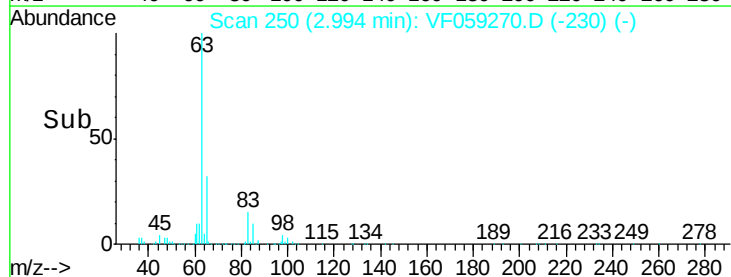
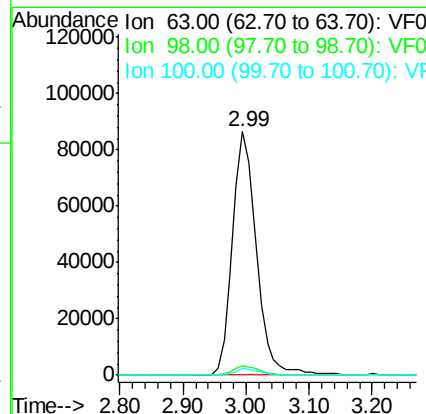
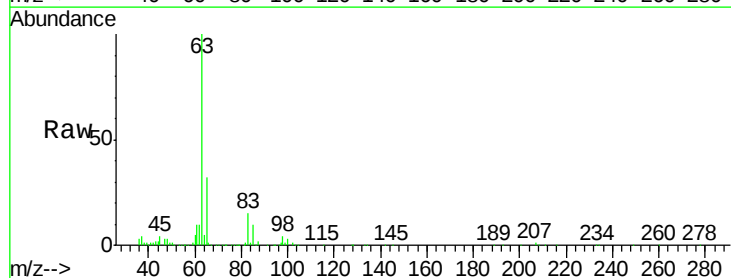
Tgt Ion: 63 Resp: 227280

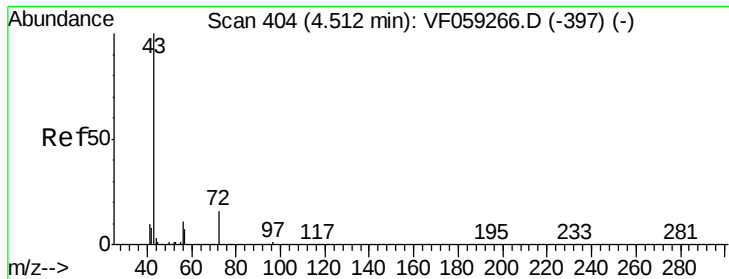
Ion Ratio Lower Upper

63 100

98 4.0 2.0 5.8

100 3.0 1.1 3.1





#25

2-Butanone

Concen: 246.35 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tot Ion: 43 Resp: 300662

Ion Ratio Lower Upper

43 100

72 18.8 15.2 22.8

Instrument :

MSVOA_F

ClientSampleId :

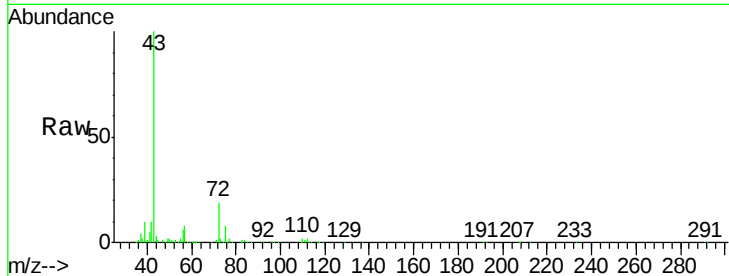
ICVVF062118

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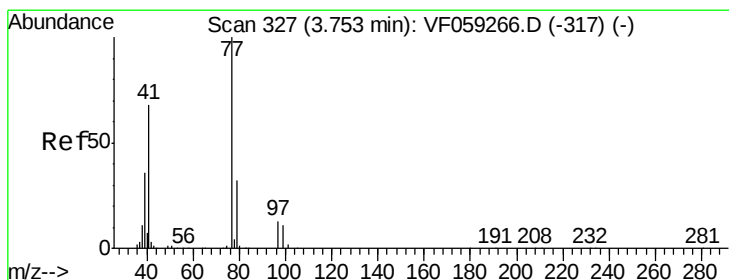
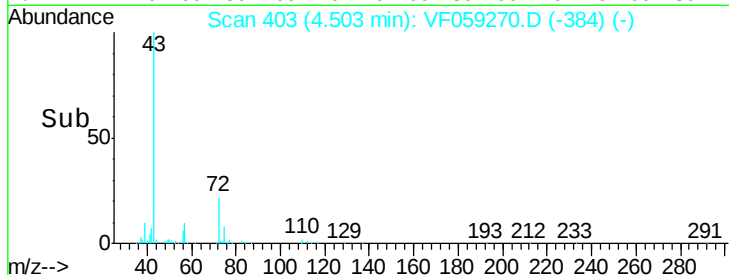
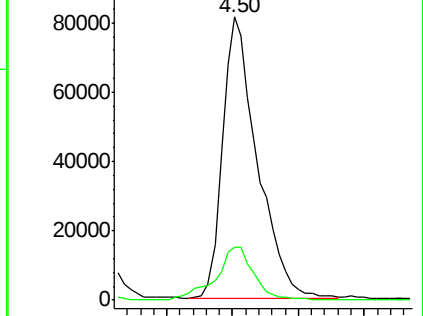
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 47.45 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059270.D

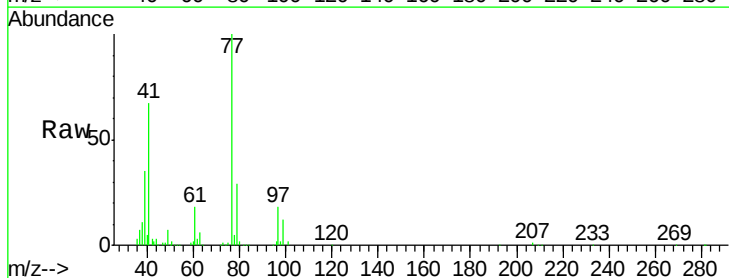
Acq: 21 Jun 2018 19:32

Tgt Ion: 77 Resp: 156913

Ion Ratio Lower Upper

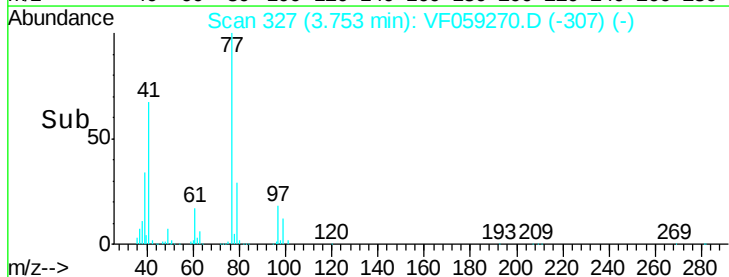
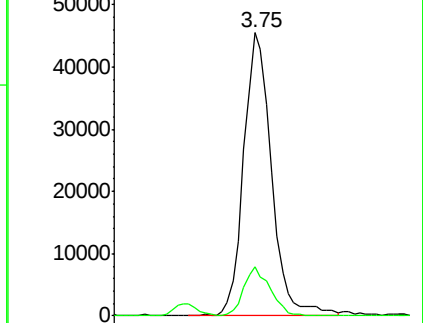
77 100

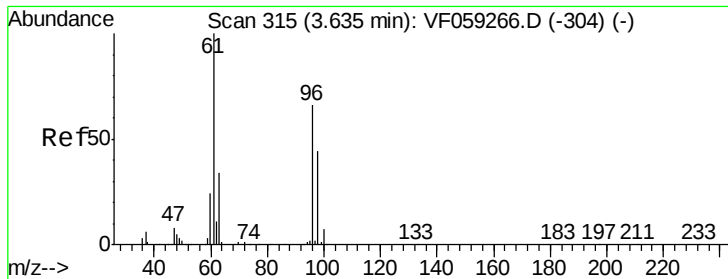
97 17.5 7.6 22.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

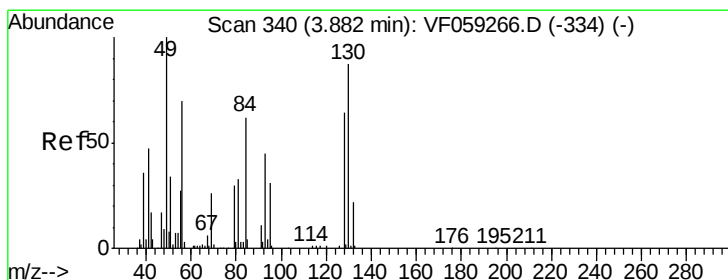
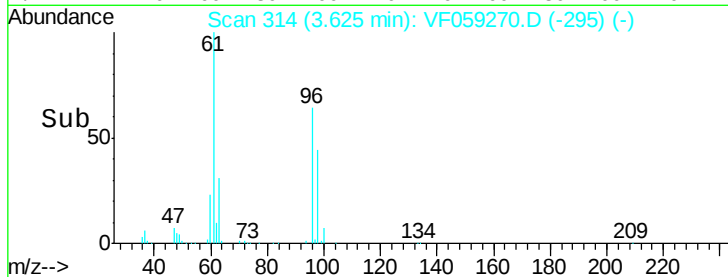
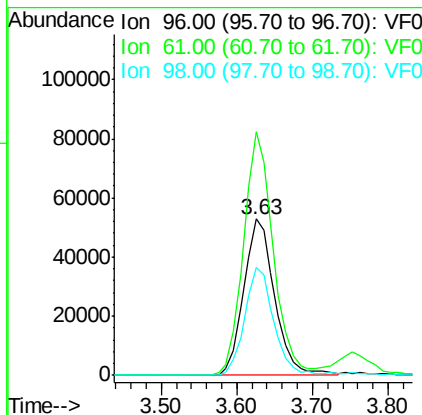
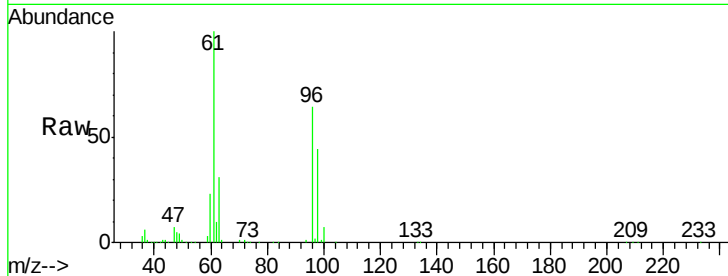
cis-1,2-Dichloroethene
Concen: 49.54 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150161		
61	155.7	0.0	305.0	
98	68.9	0.0	134.0	

Manual Integrations
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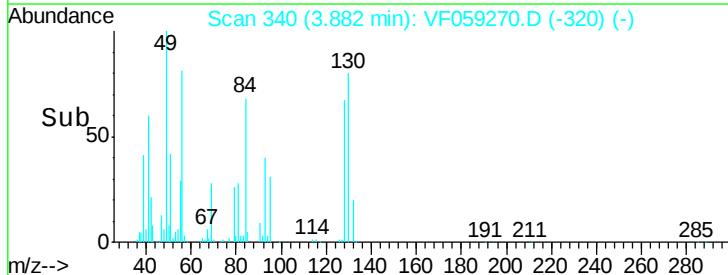
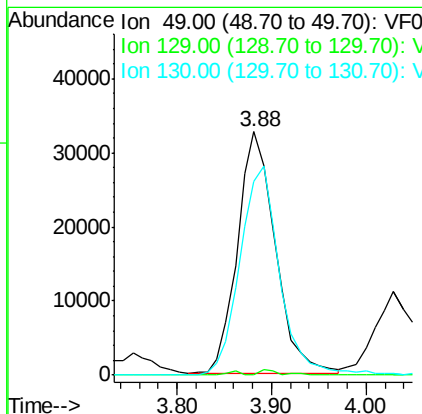
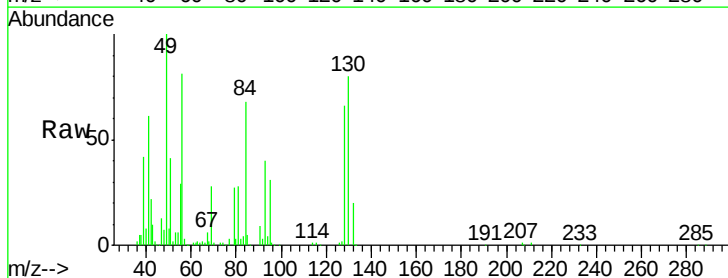
apatel
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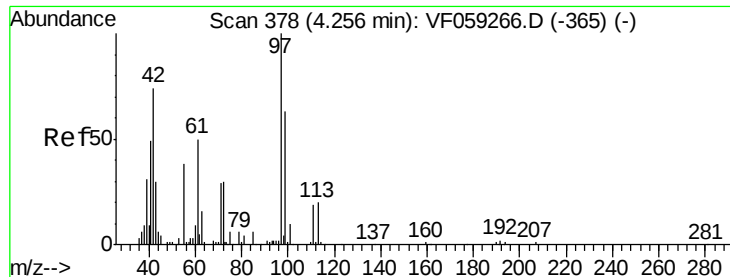


#28

Bromochloromethane
Concen: 51.37 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90437		
129	0.0	0.0	3.8	
130	79.8	69.4	104.2	





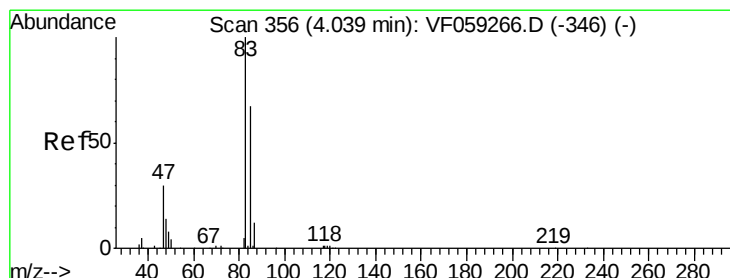
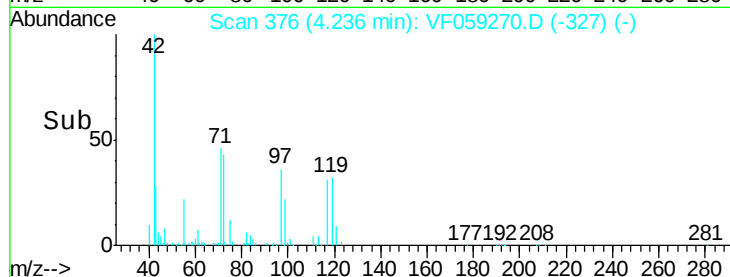
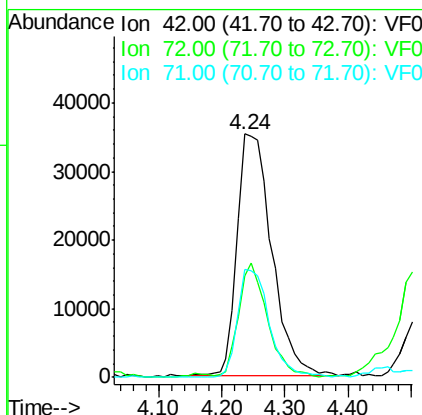
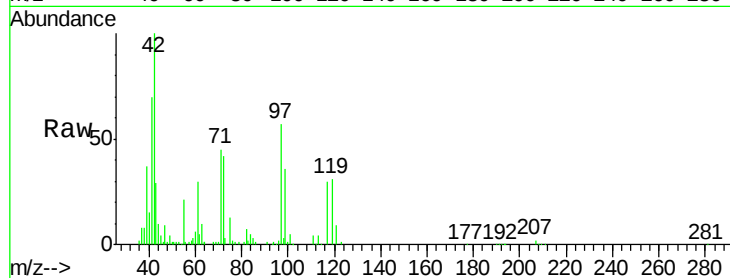
#29
Tetrahydrofuran
Concen: 244.53 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Resp	Lower	Upper
42	100	133998		
72	39.6		31.2	46.8
71	40.8		30.2	45.2

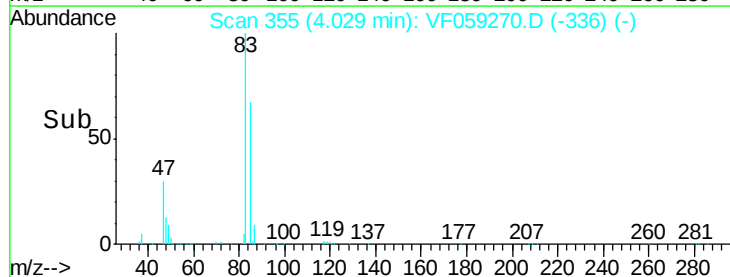
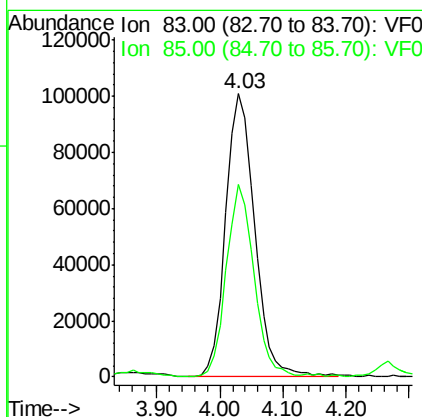
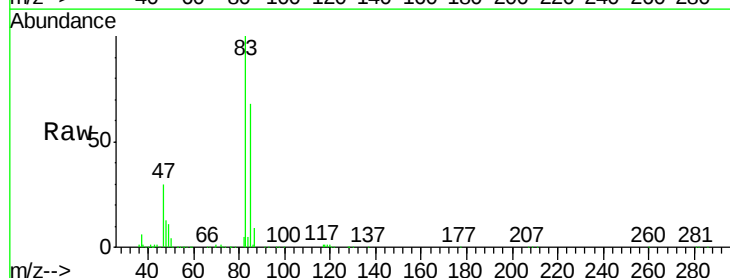
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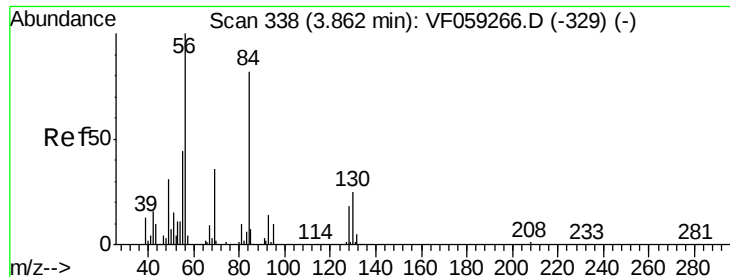
apatel
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#30
Chloroform
Concen: 46.71 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	320931		
85	68.0		54.2	81.2





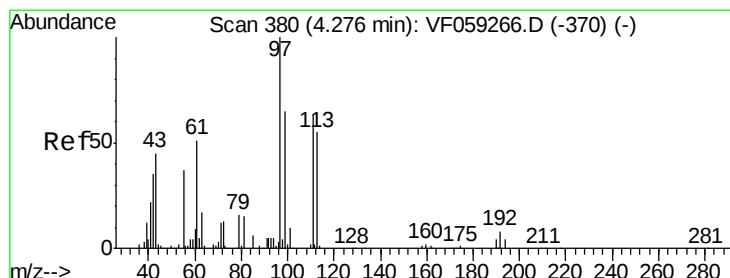
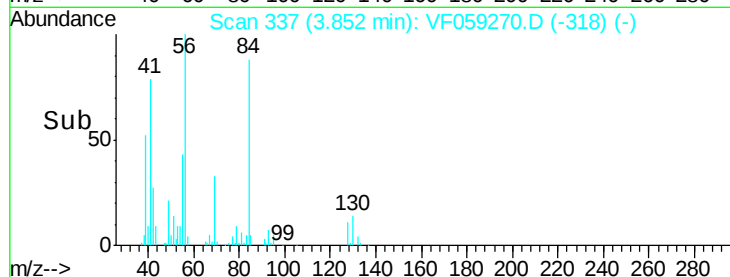
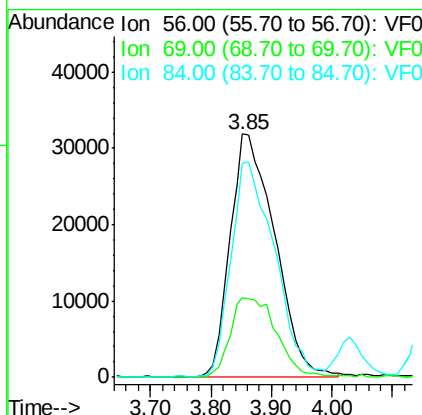
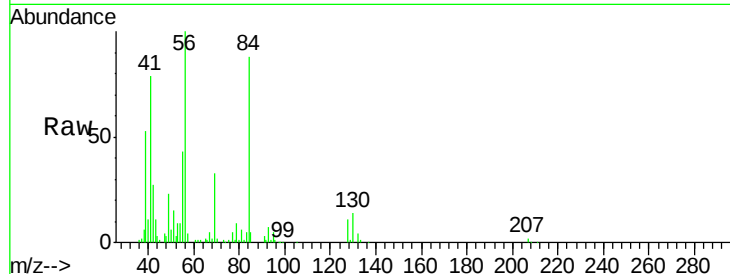
#31
Cyclohexane
Concen: 50.19 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	28.6	43.0
84	87.9	65.8	98.6

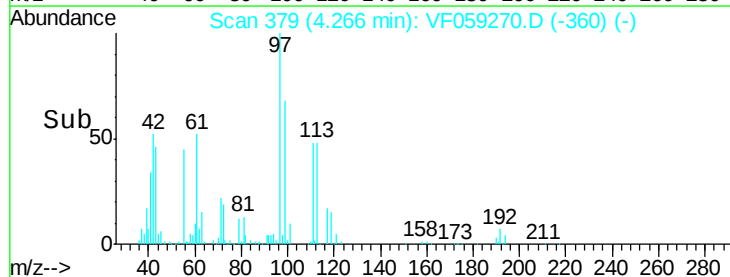
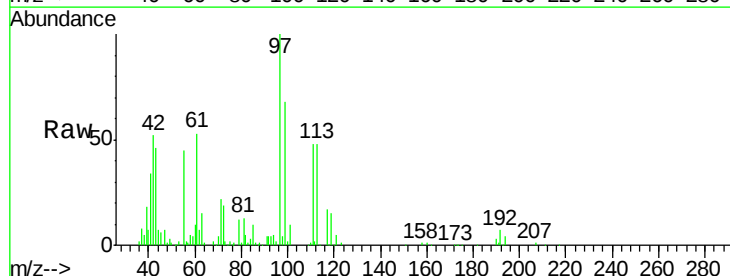
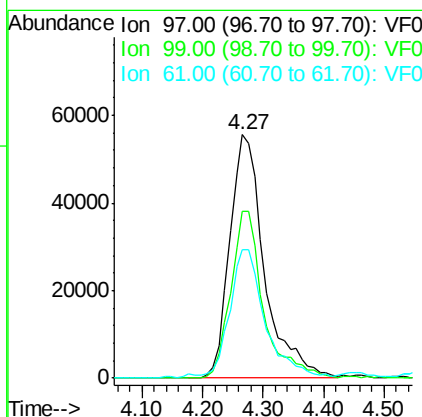
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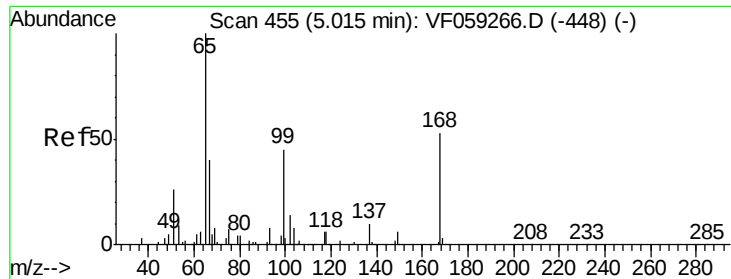
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#32
1,1,1-Trichloroethane
Concen: 42.79 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	52.4	78.6
61	52.7	40.9	61.3





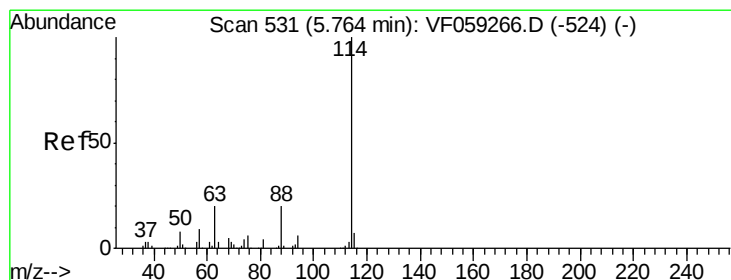
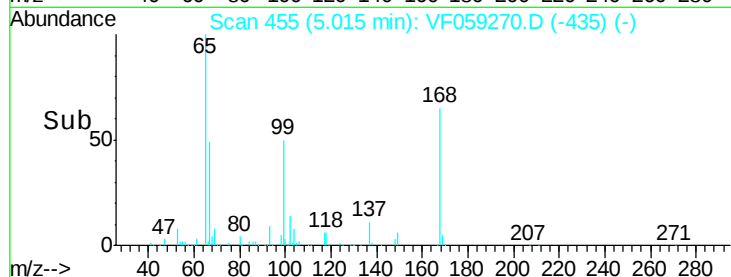
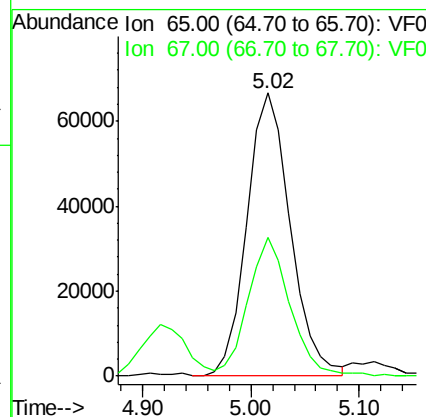
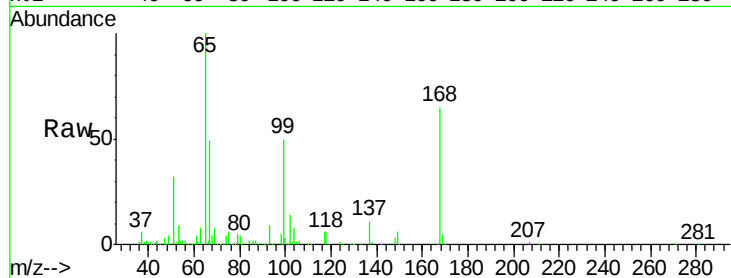
#33
 1,2-Dichloroethane-d4
 Concen: 47.71 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062118

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184698		
67	48.9	0.0	95.8	

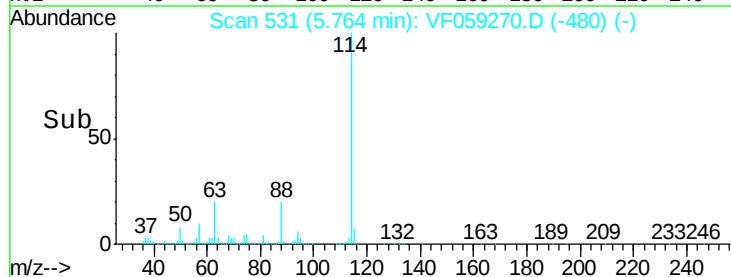
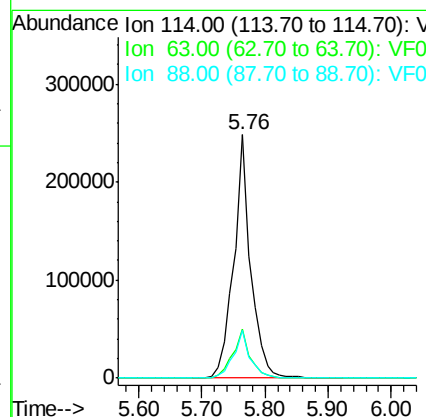
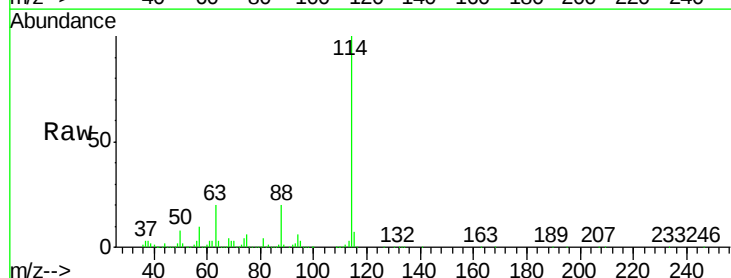
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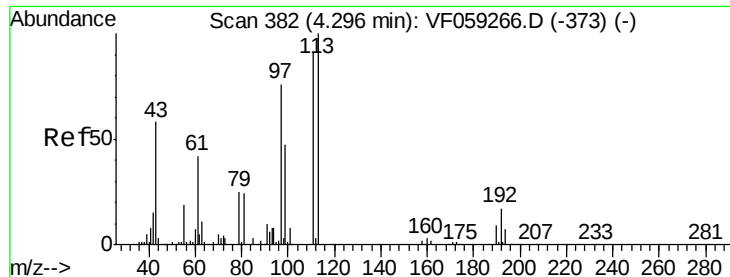
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	460413		
63	20.3	0.0	41.0	
88	19.6	0.0	39.6	





#35

Dibromofluoromethane

Concen: 41.64 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

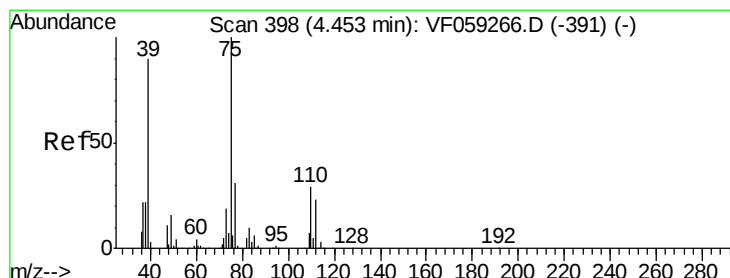
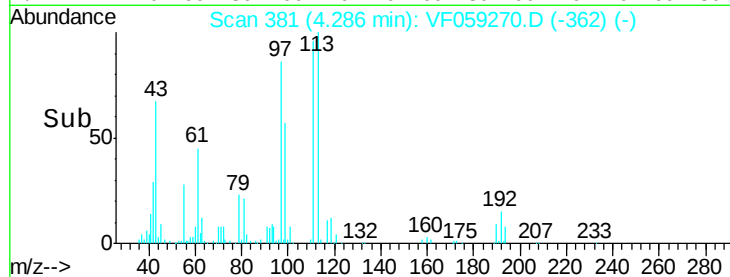
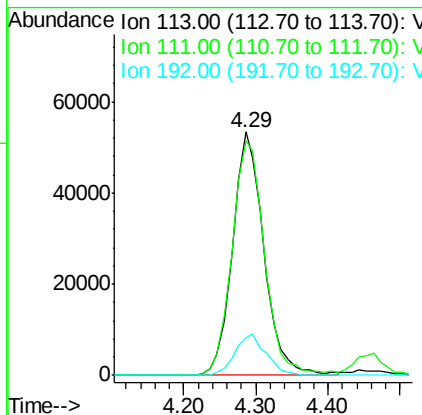
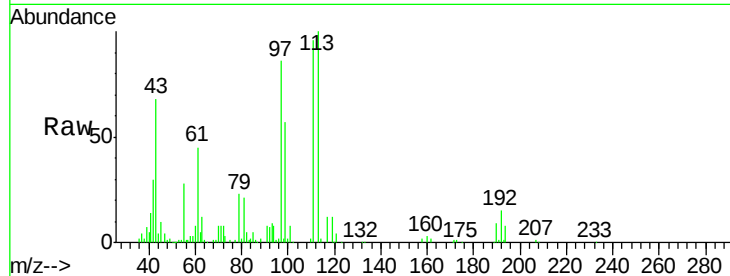
ClientSampleId :

ICVVF062118

Tot Ion:	113	Resp:	161295
Ion Ratio	Lower	Upper	
113	100		
111	96.4	73.1	109.7
192	15.4	13.9	20.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.30 ug/l

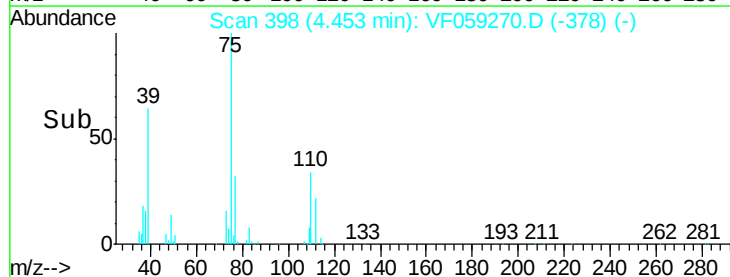
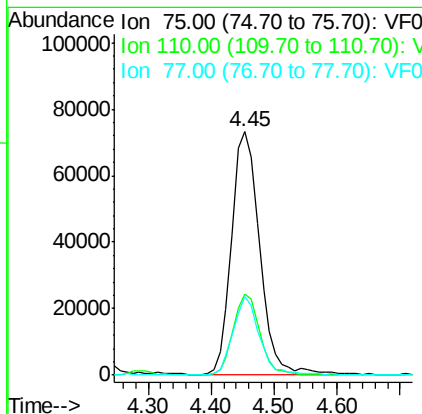
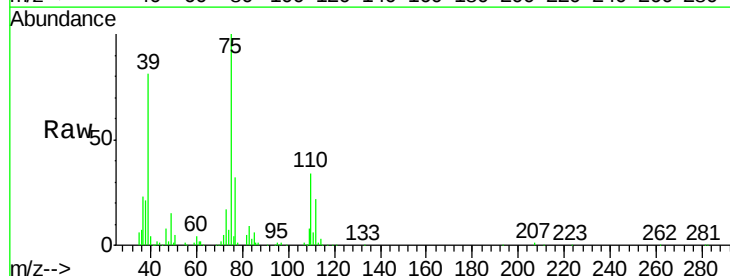
RT: 4.45 min Scan# 398

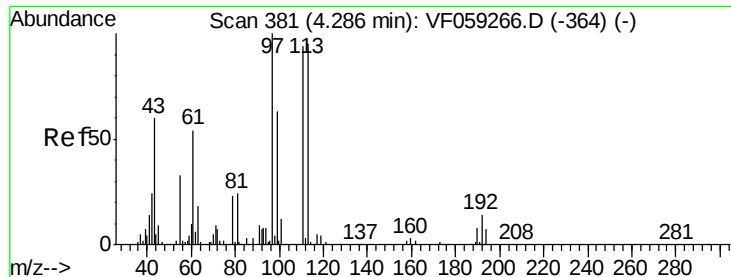
Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	75	Resp:	224007
Ion Ratio	Lower	Upper	
75	100		
110	33.5	14.5	43.5
77	32.3	25.0	37.6





#37

Ethyl Acetate

Concen: 43.91 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 43 Resp: 135768

Ion Ratio Lower Upper

43 100

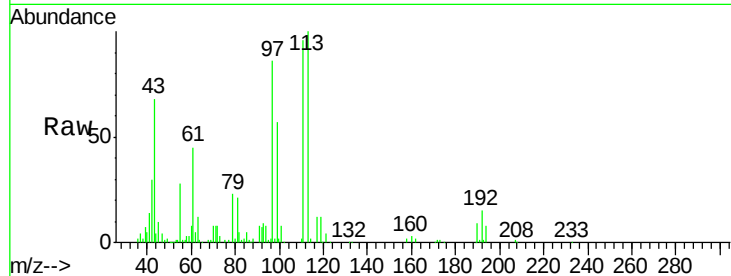
61 66.3 71.6 107.4#

70 12.1 6.9 10.3#

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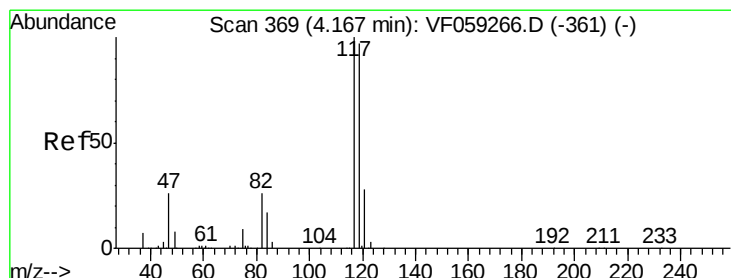
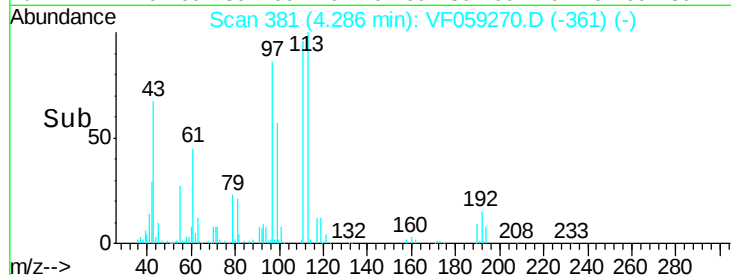
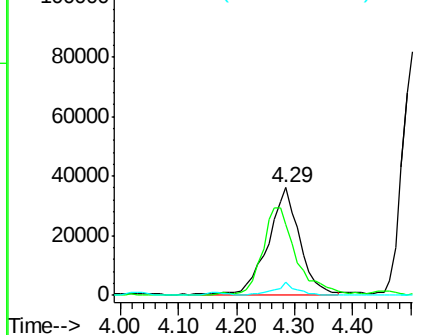
6/22/2018 11:34:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 41.91 ug/l m

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

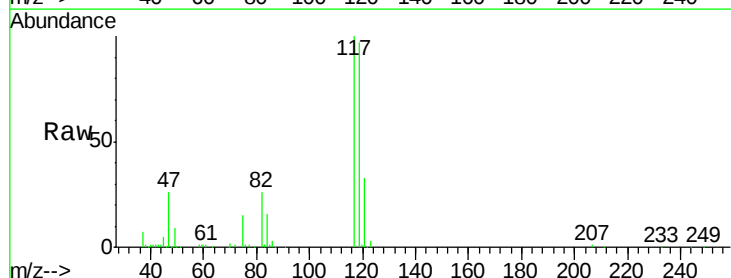
Tgt Ion: 117 Resp: 249096

Ion Ratio Lower Upper

117 100

119 97.0 77.5 116.3

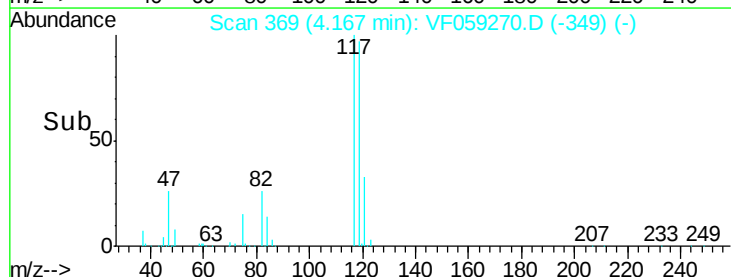
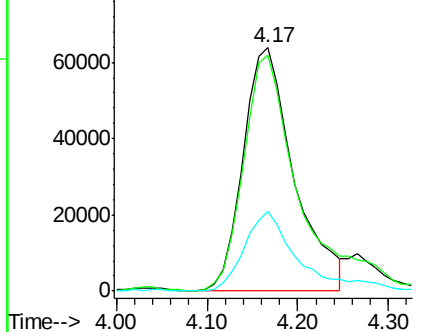
121 33.0 22.2 33.4

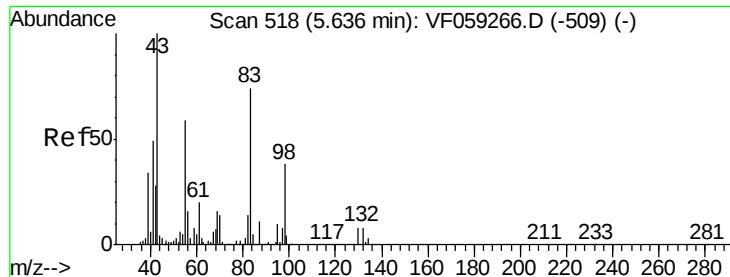


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





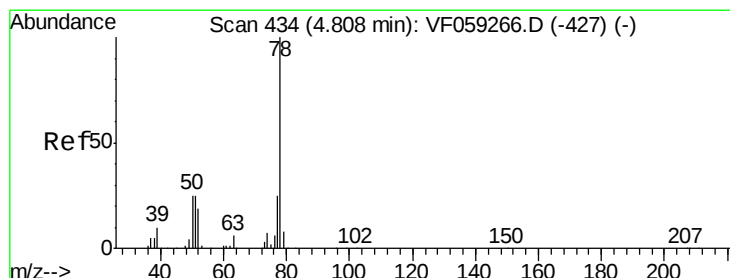
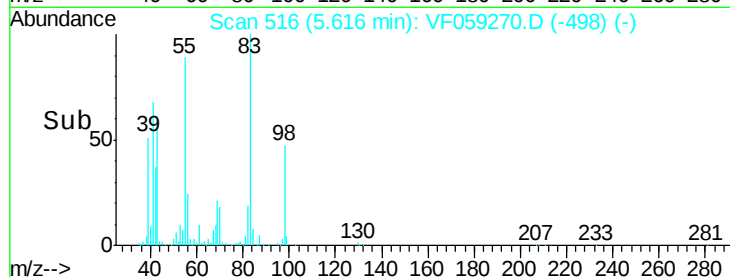
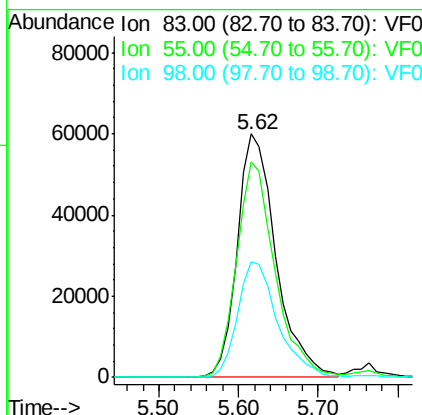
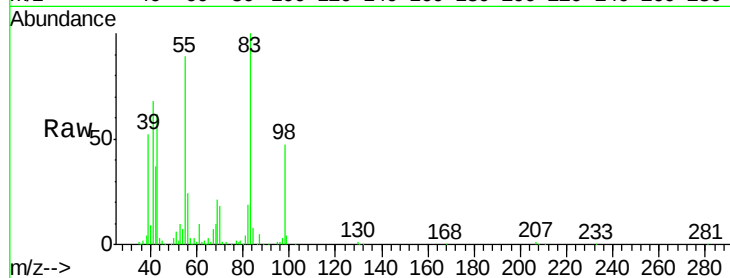
#39
Methvlcvclohexane
Concen: 46.67 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	63.7	95.5
98	47.4	41.6	62.4

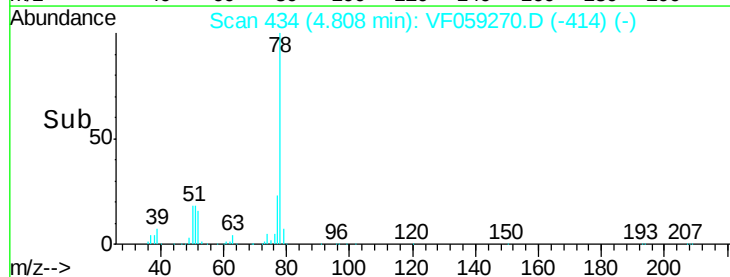
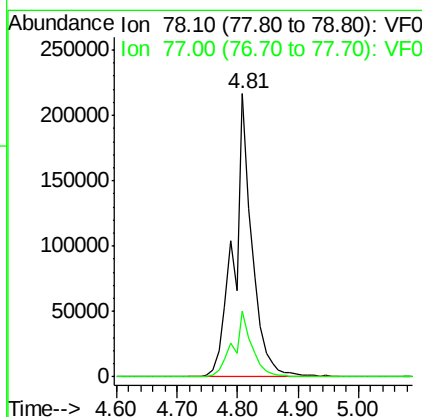
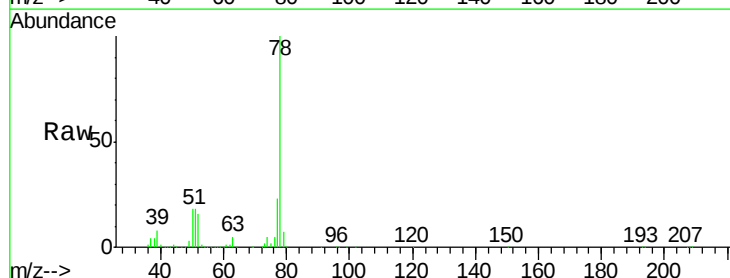
Manual Integrations
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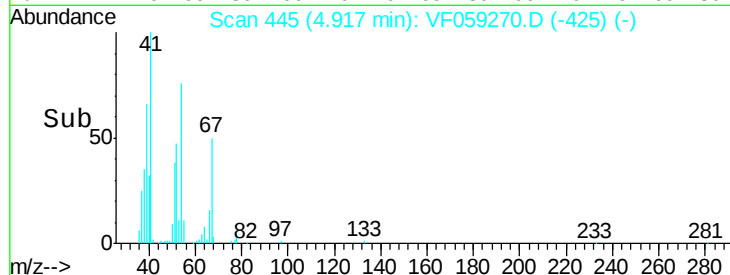
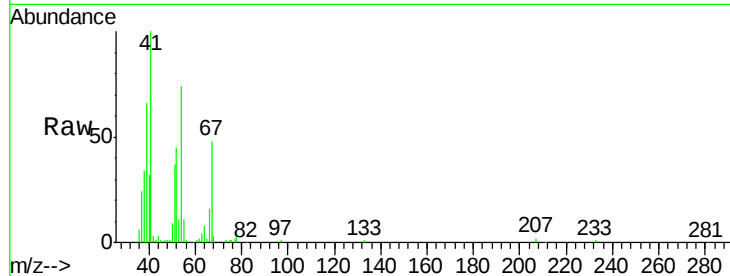
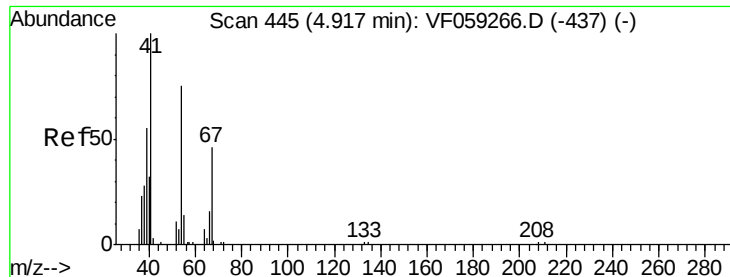
apatel
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#40
Benzene
Concen: 43.72 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.4	30.6





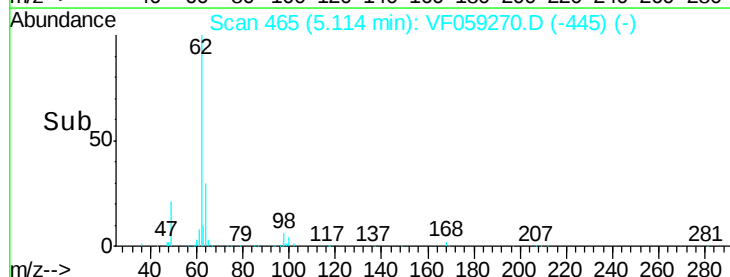
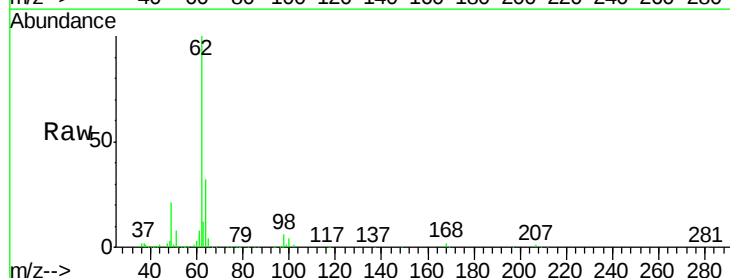
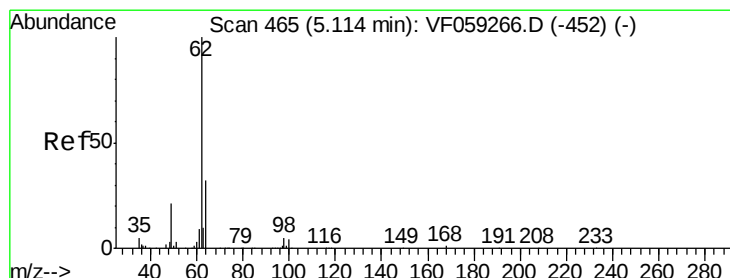
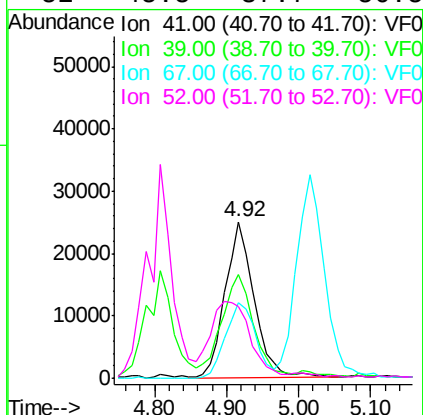
#41
Methacrylonitrile
Concen: 47.67 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	66.1	57.0	85.6
67	67	48.5	36.8	55.2
52	52	45.5	37.7	56.5

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

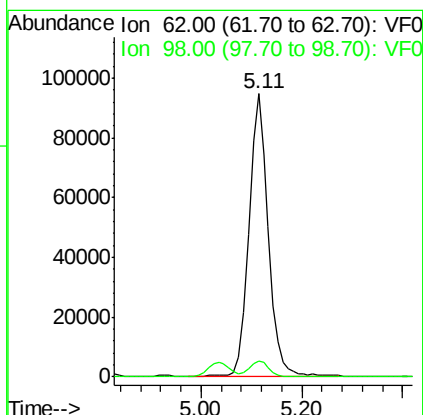
Manual Integrations
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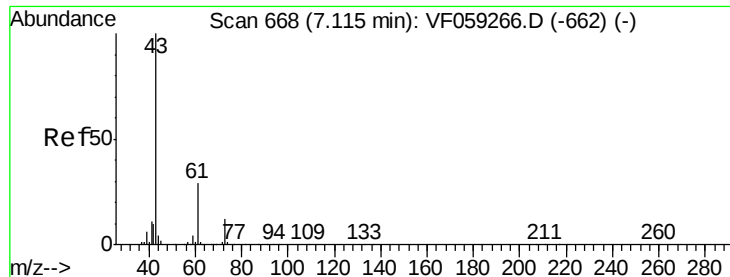
apatel
6/22/2018 11:34:50 AM



#42
1,2-Dichloroethane
Concen: 43.05 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	5.7	0.0	10.4





#43

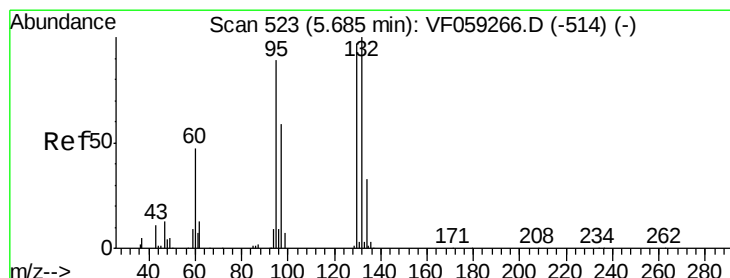
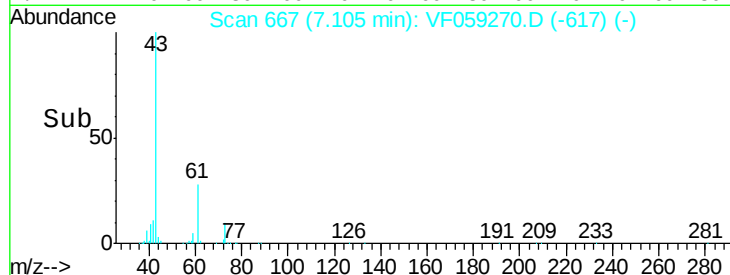
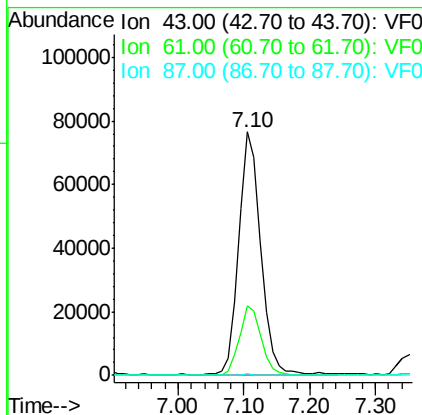
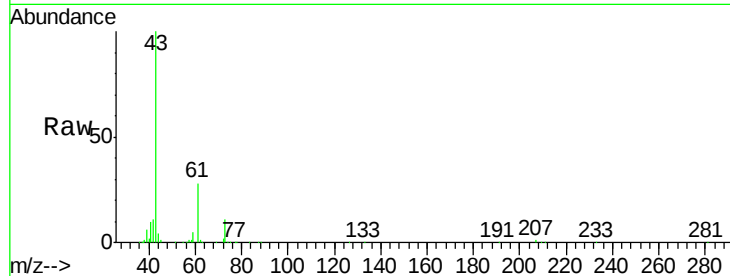
Isopropyl Acetate
 Concen: 47.49 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062118

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
61	61	28.3	22.8	34.2
87	87	0.4	0.3	0.5

Manual Integrations
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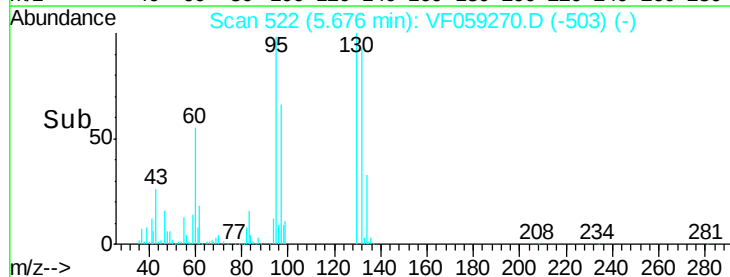
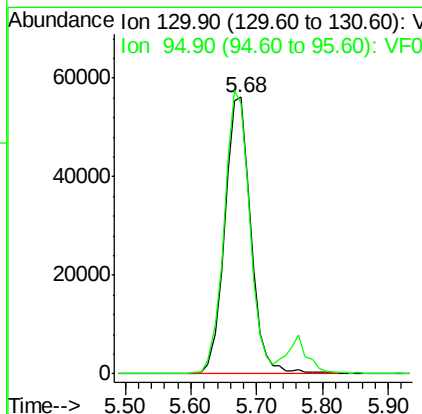
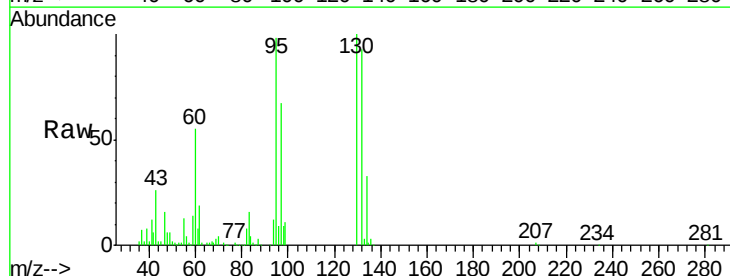
apatel
 6/22/2018 11:34:50 AM

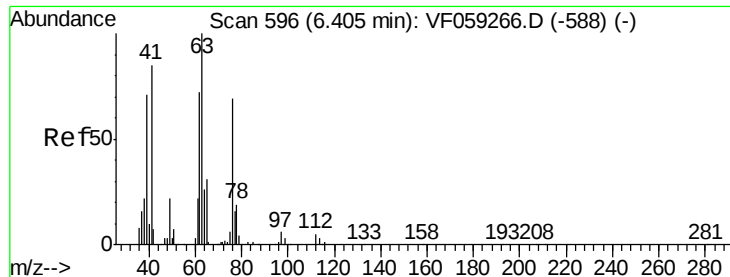


#44

Trichloroethene
 Concen: 43.94 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Tgt Ion	Ion	Ratio	Lower	Upper
130	130	100		
95	95	97.7	0.0	183.6





#45

1,2-Dichloropropane

Concen: 44.91 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 63 Resp: 134515

Ion Ratio Lower Upper

63 100

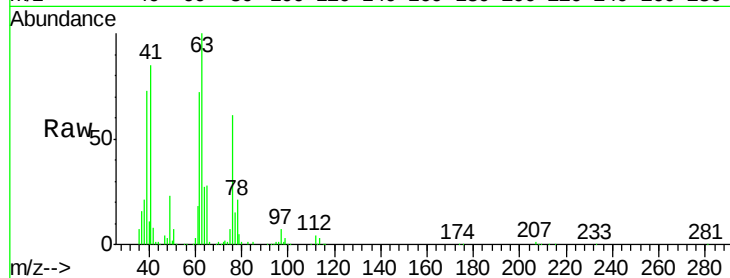
65 28.4 25.3 37.9

Manual Integrations

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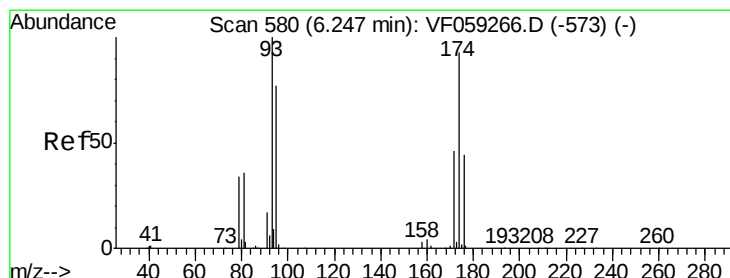
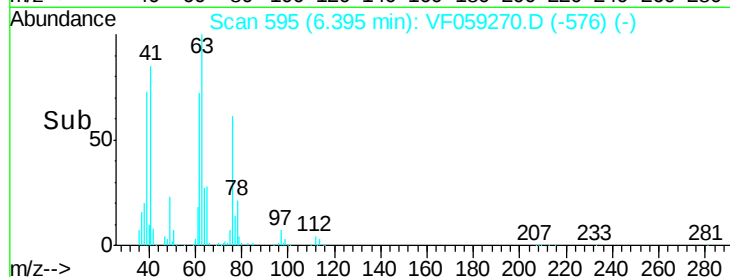
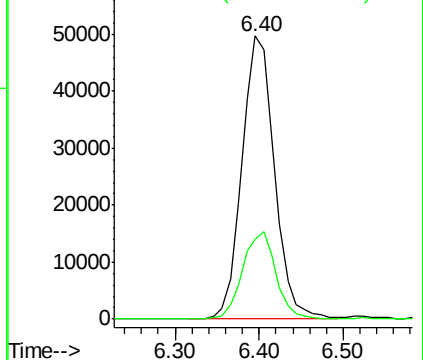
apatel

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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: 44.42 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

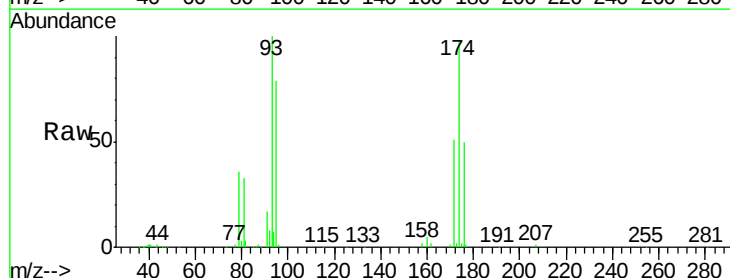
Tgt Ion: 93 Resp: 112287

Ion Ratio Lower Upper

93 100

95 79.4 61.8 92.6

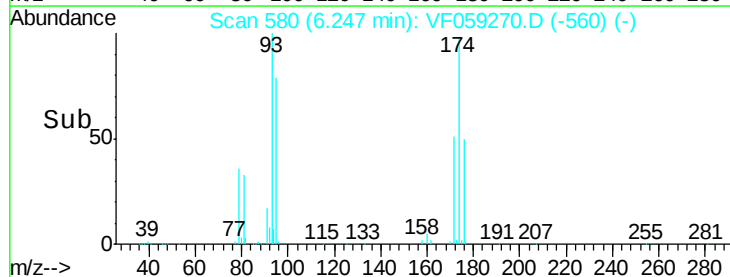
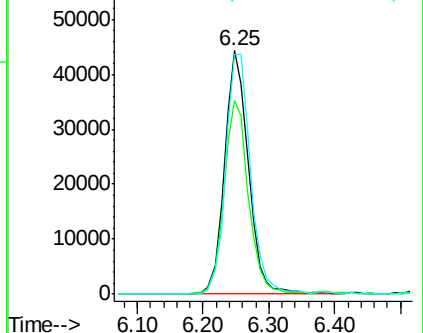
174 98.3 74.4 111.6

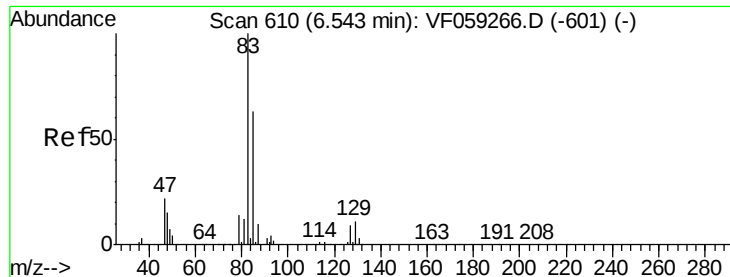


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 43.91 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

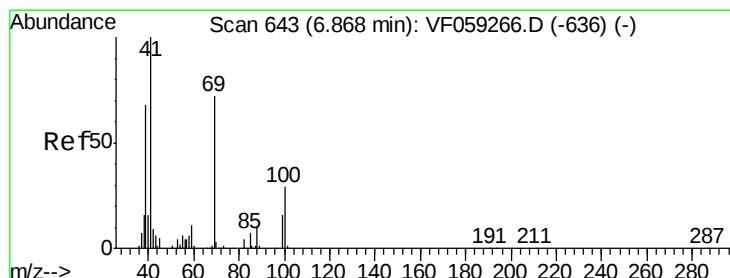
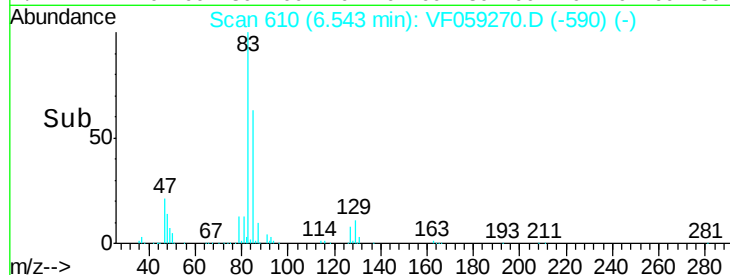
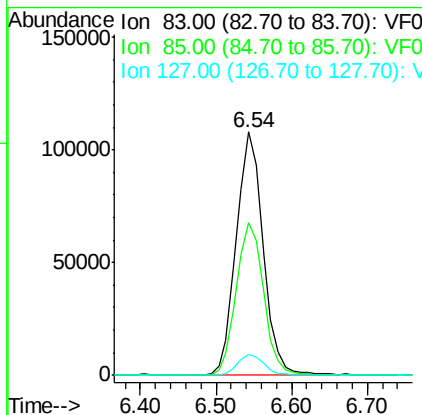
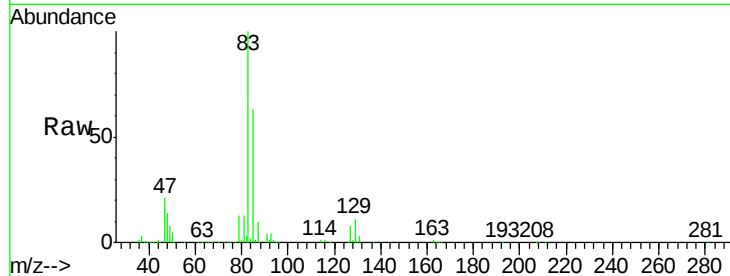
ClientSampleId :

ICVVF062118

Tot Ion:	83	Resp:	265780
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.3	75.5
127	8.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.33 ug/l

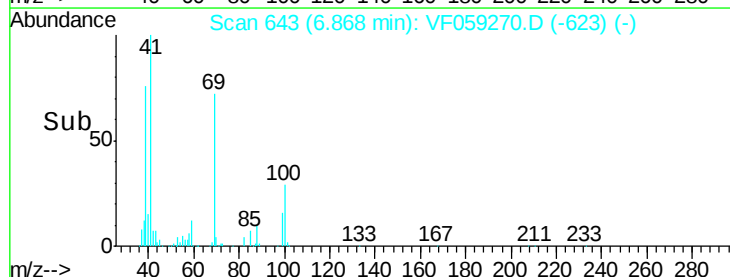
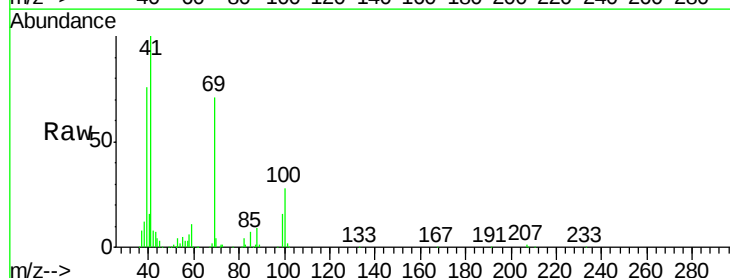
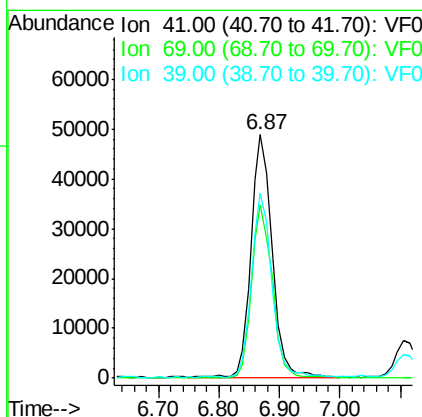
RT: 6.87 min Scan# 643

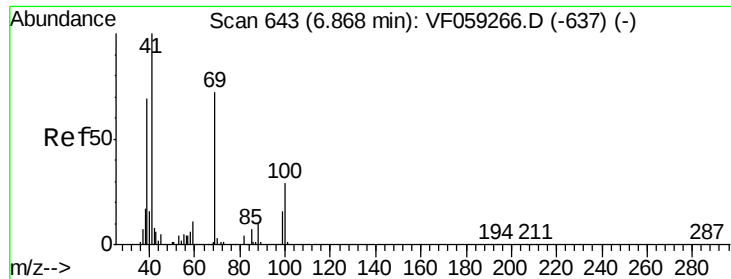
Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	41	Resp:	118321
Ion Ratio	Lower	Upper	
41	100		
69	71.2	57.4	86.2
39	76.0	54.8	82.2





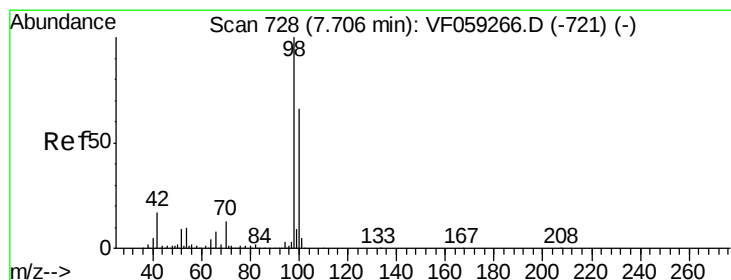
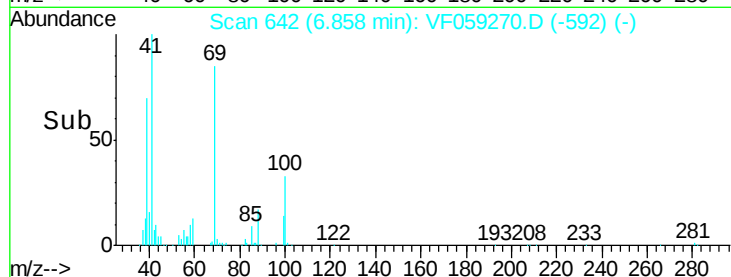
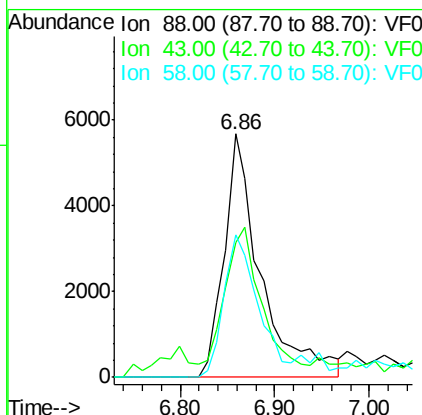
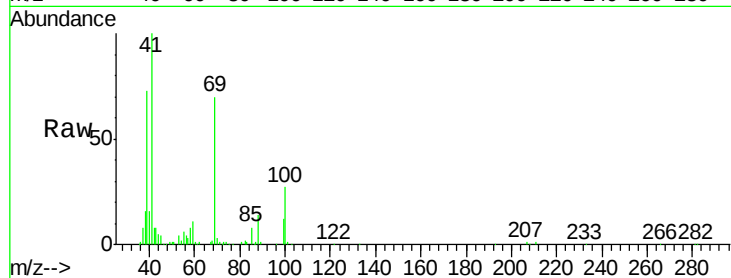
#49
1,4-Dioxane
Concen: 1095.75 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.4	55.5	83.3#
58	58.6	50.1	75.1

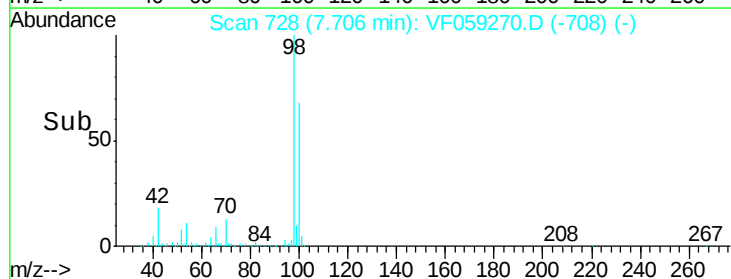
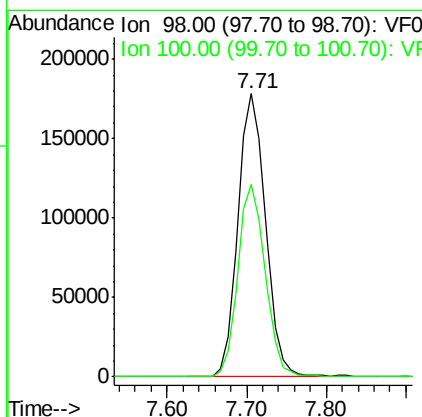
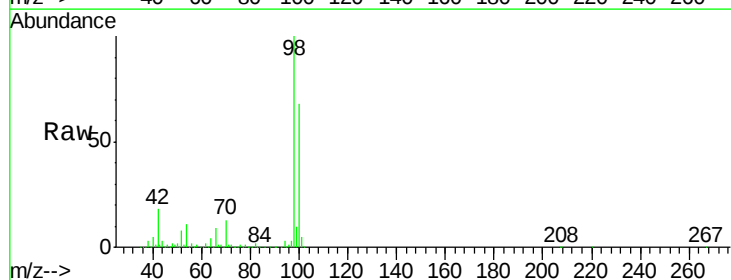
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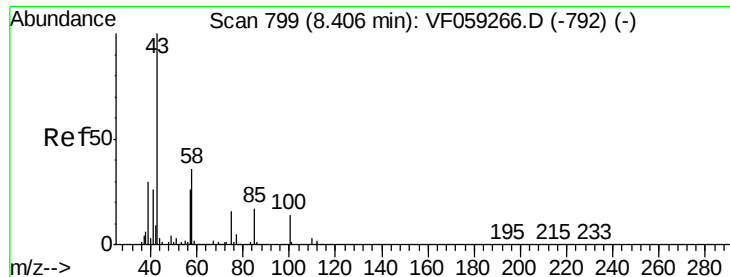
apatel
6/22/2018 11:34:50 AM



#50
Toluene-d8
Concen: 43.50 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 231.20 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 43 Resp: 624634

Ion Ratio Lower Upper

43 100

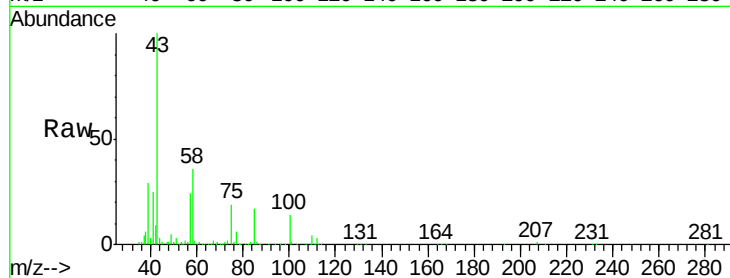
58 35.8 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

250000

200000

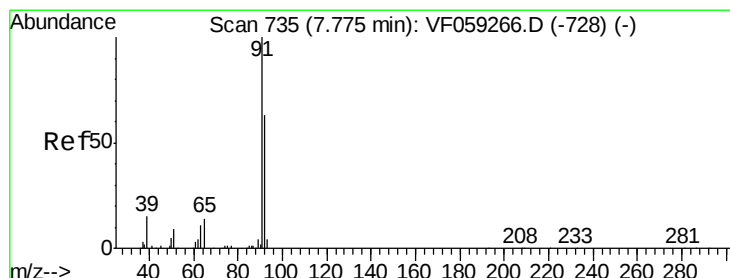
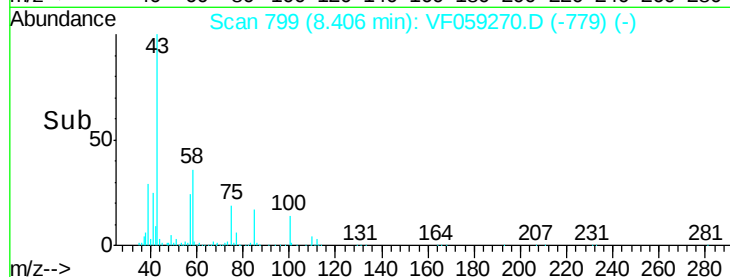
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 41.04 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059270.D

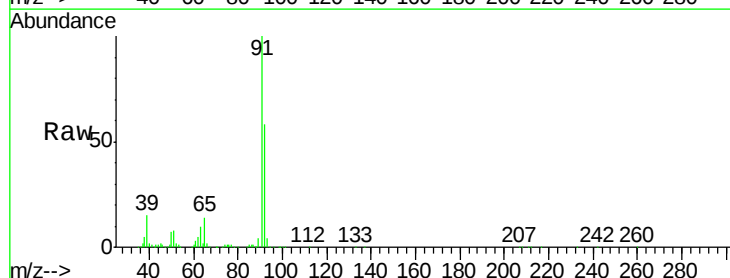
Acq: 21 Jun 2018 19:32

Tgt Ion: 92 Resp: 325210

Ion Ratio Lower Upper

92 100

91 172.0 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

250000

200000

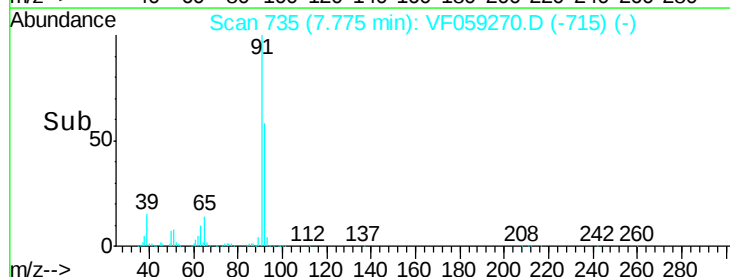
150000

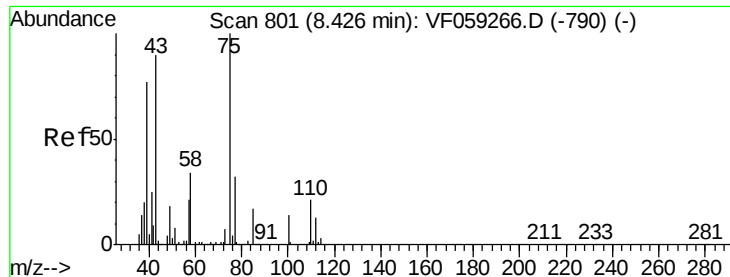
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 42.84 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059270.D

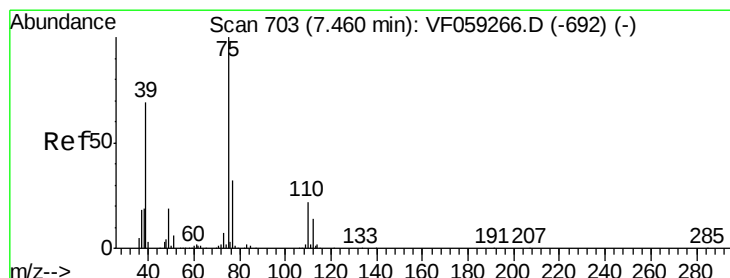
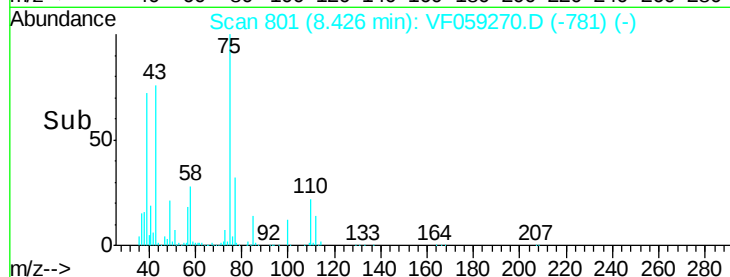
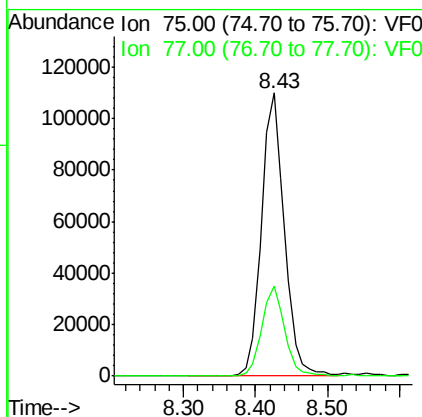
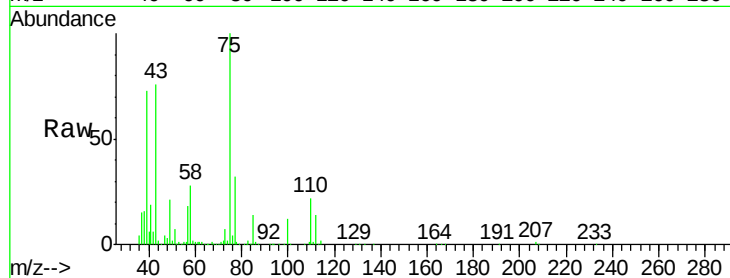
Acq: 21 Jun 2018 19:32

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.1	39.1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

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#54

cis-1,3-Dichloropropene

Concen: 44.96 ug/l

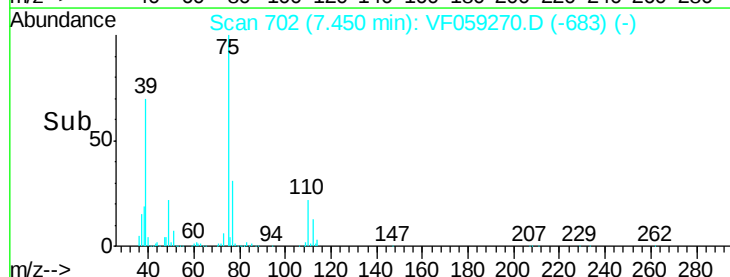
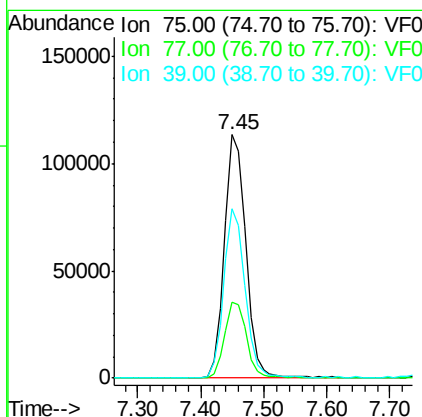
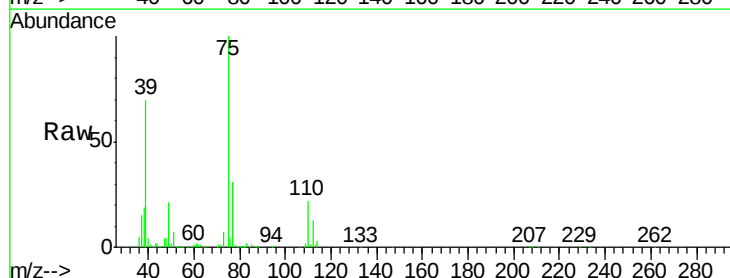
RT: 7.45 min Scan# 702

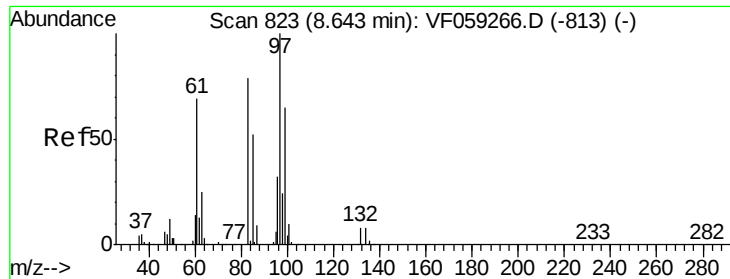
Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.0	39.0
39	69.8	55.5	83.3





#55

1,1,2-Trichloroethane

Concen: 43.15 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

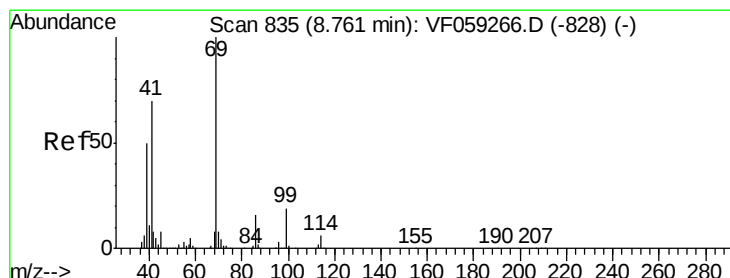
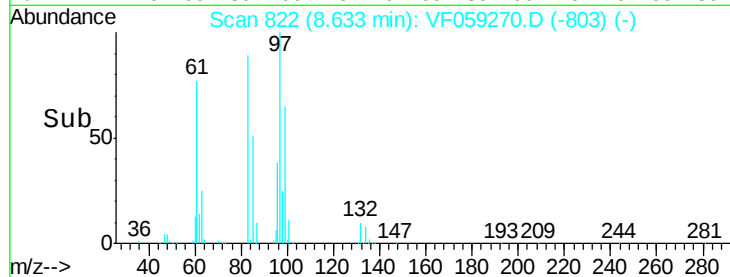
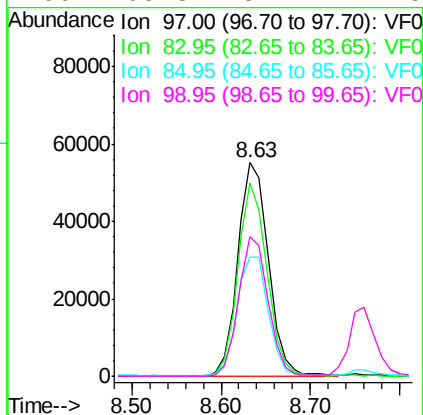
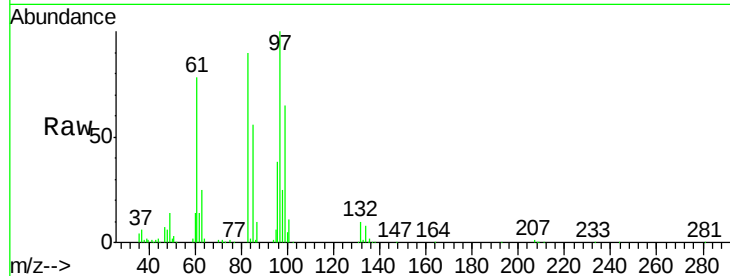
ClientSampleId :

ICVVF062118

Tot Ion:	97	Resp:	131976
Ion	Ratio	Lower	Upper
97	100		
83	90.2	63.2	94.8
85	55.6	41.8	62.6
99	65.3	51.7	77.5

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#56

Ethyl methacrylate

Concen: 48.46 ug/l

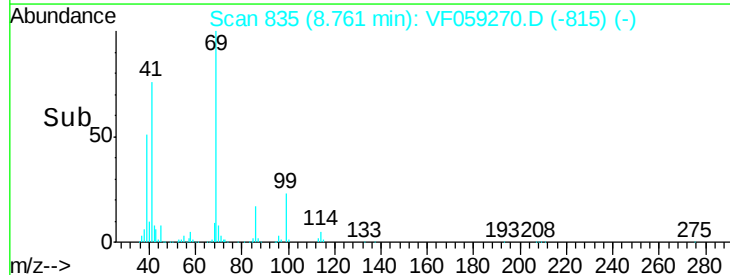
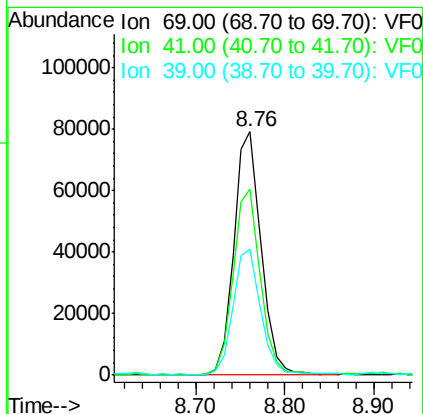
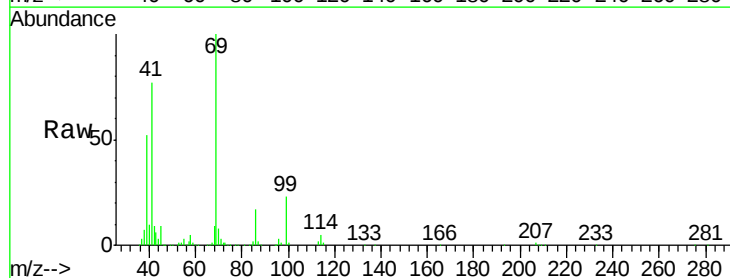
RT: 8.76 min Scan# 835

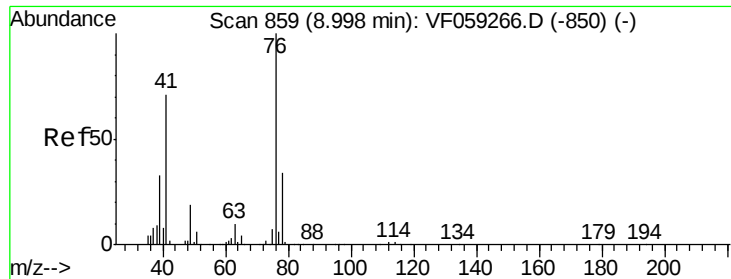
Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	69	Resp:	169456
Ion	Ratio	Lower	Upper
69	100		
41	76.6	56.6	85.0
39	51.8	40.5	60.7





#57

1,3-Dichloropropane

Concen: 46.60 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 76 Resp: 235756

Ion Ratio Lower Upper

76 100

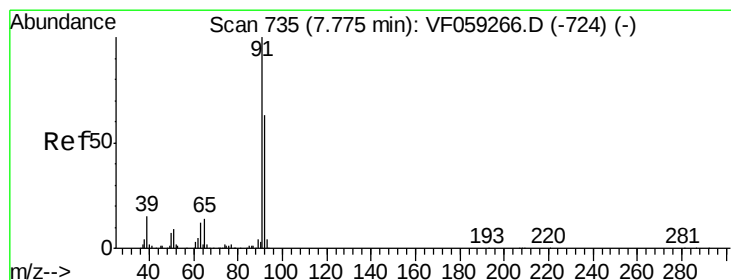
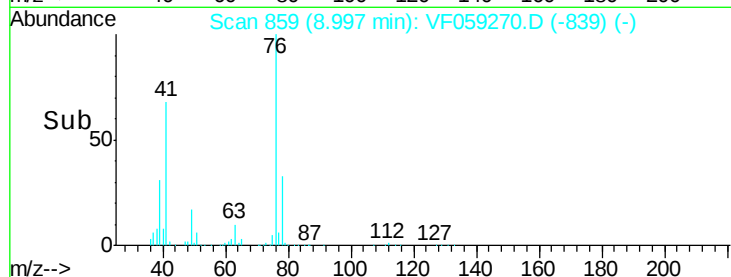
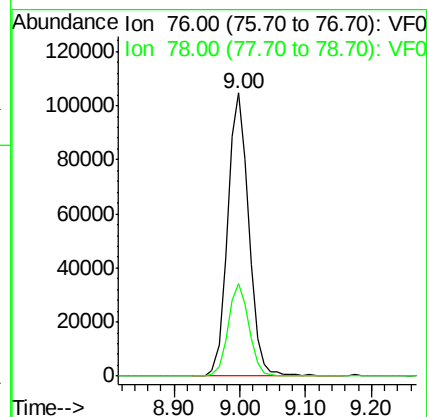
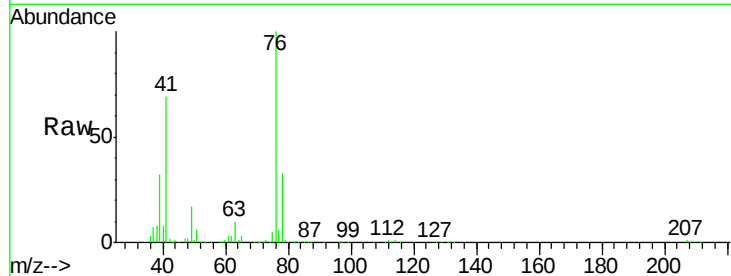
78 32.5 27.5 41.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 200.39 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059270.D

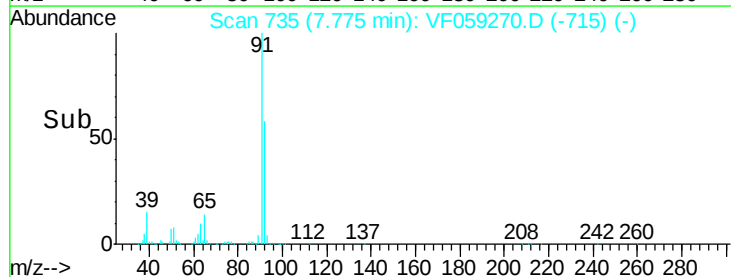
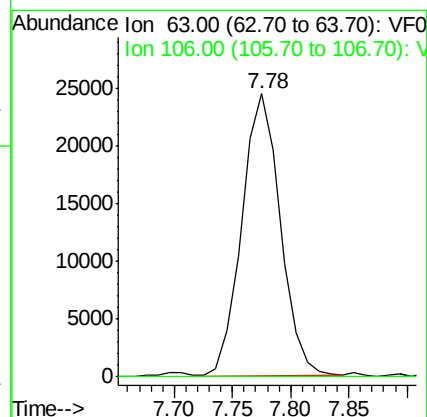
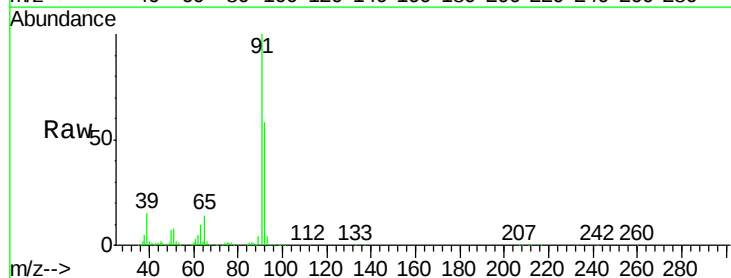
Acq: 21 Jun 2018 19:32

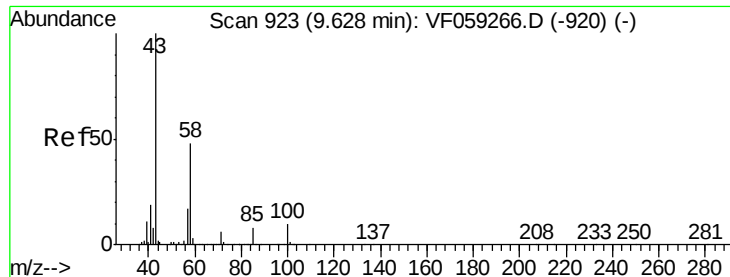
Tgt Ion: 63 Resp: 56042

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 237.44 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 43 Resp: 508592

Ion Ratio Lower Upper

43 100

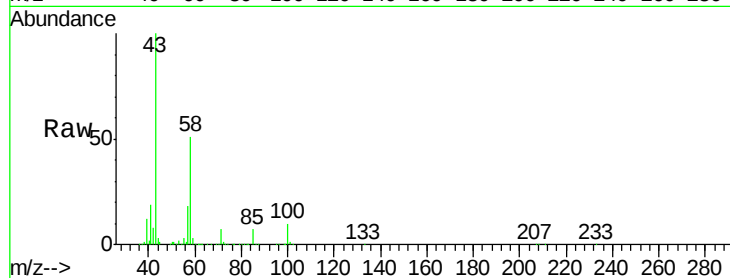
58 50.5 23.3 69.9

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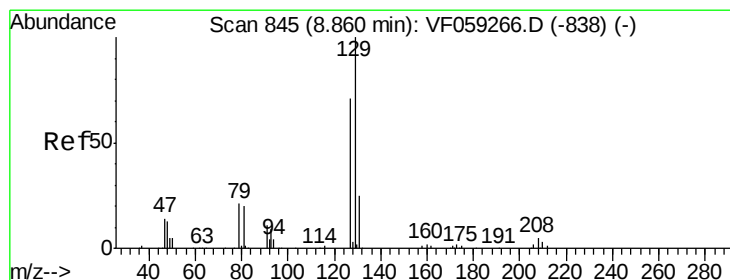
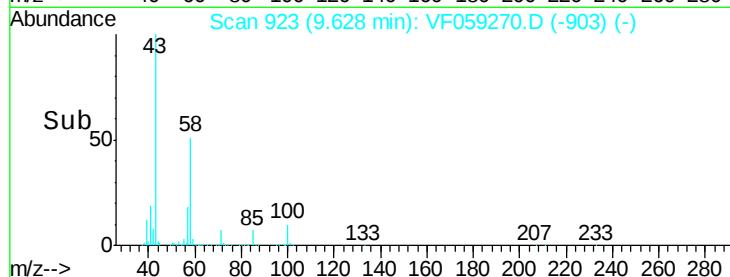
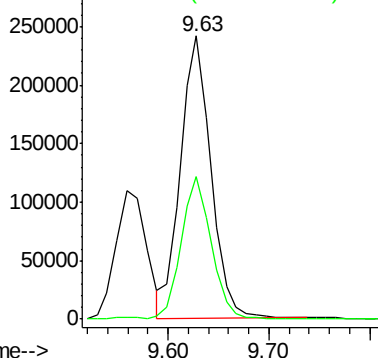
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 45.18 ug/l

RT: 8.86 min Scan# 845

Delta R.T. -0.00 min

Lab File: VF059270.D

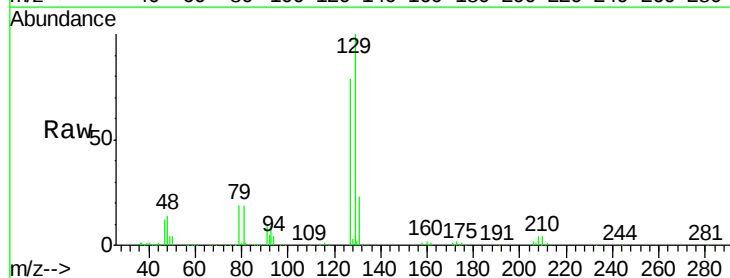
Acq: 21 Jun 2018 19:32

Tgt Ion:129 Resp: 203352

Ion Ratio Lower Upper

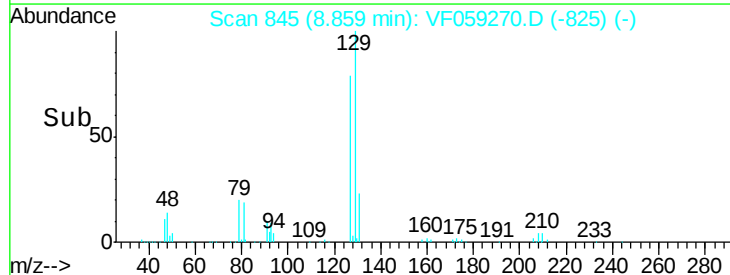
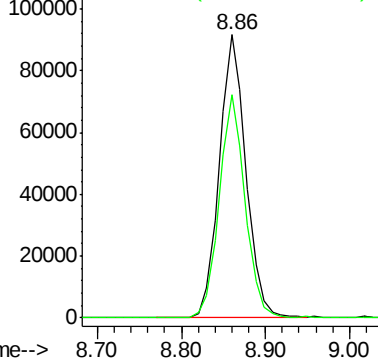
129 100

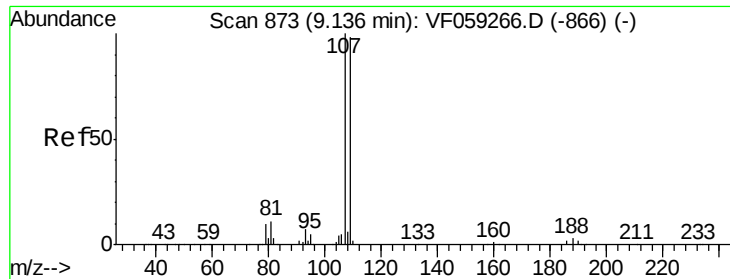
127 79.1 35.4 106.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 46.30 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion:107 Resp: 163143

Ion Ratio Lower Upper

107 100

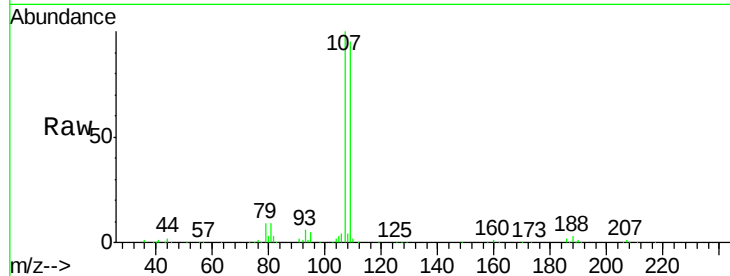
109 94.6 78.0 117.0

Manual Integrations

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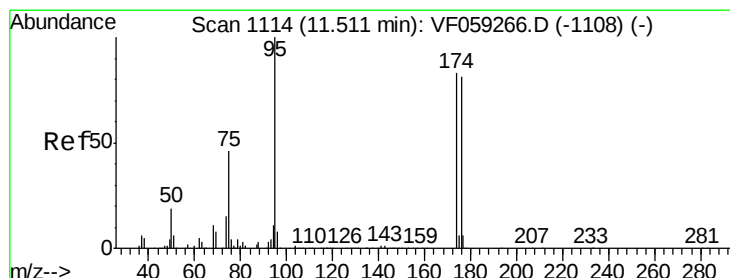
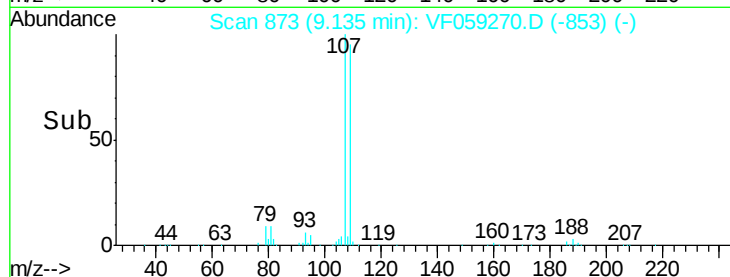
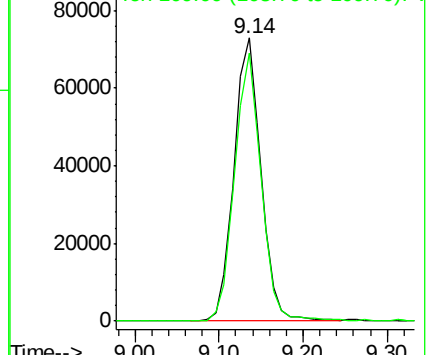
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 40.48 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

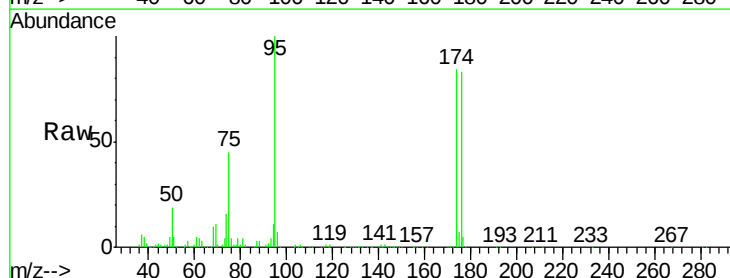
Tgt Ion: 95 Resp: 221166

Ion Ratio Lower Upper

95 100

174 83.7 0.0 166.2

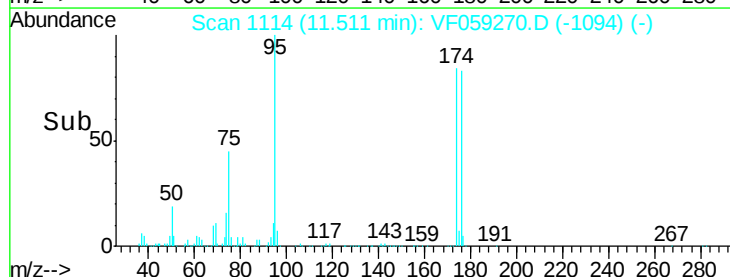
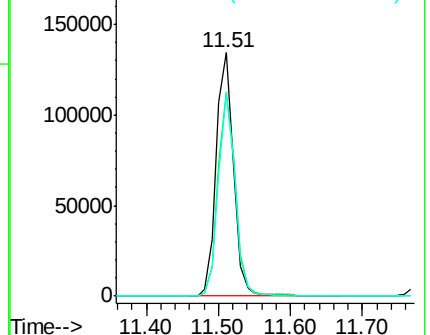
176 83.4 0.0 162.8

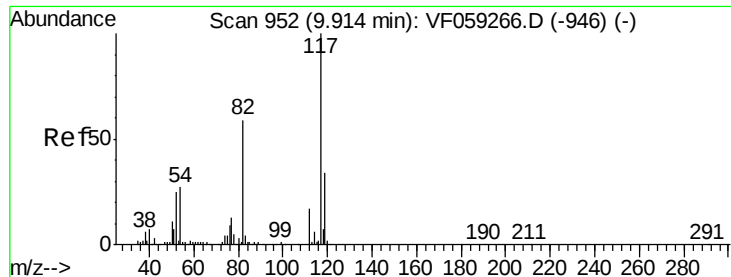


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





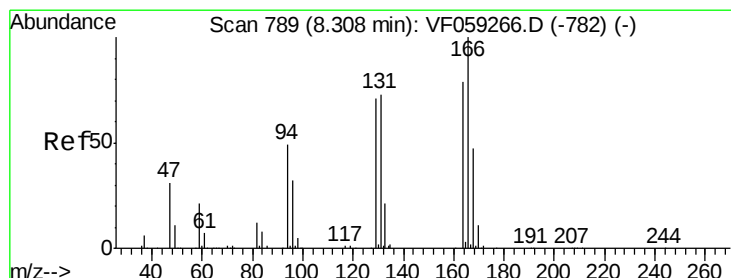
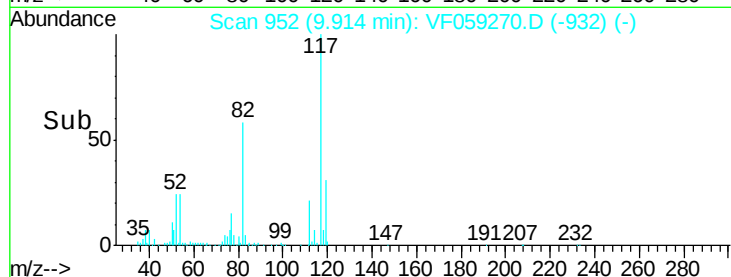
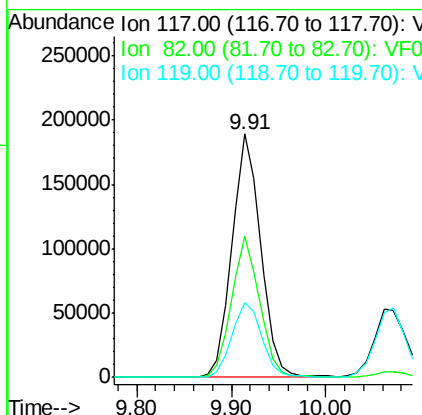
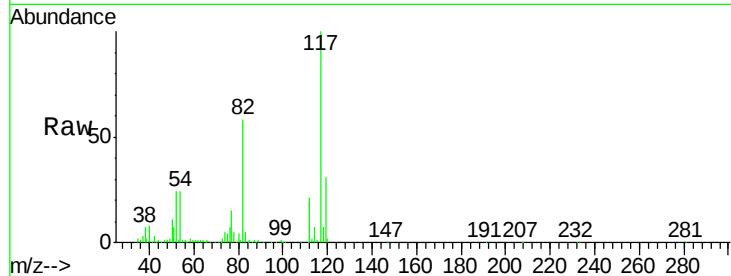
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397386		
82	57.9		47.1	70.7
119	30.5		26.9	40.3

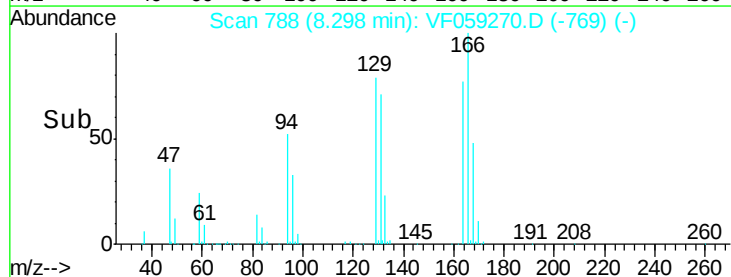
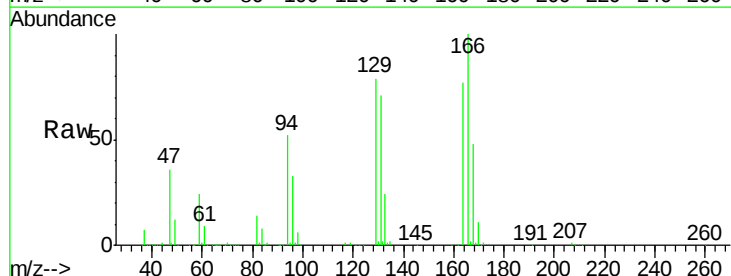
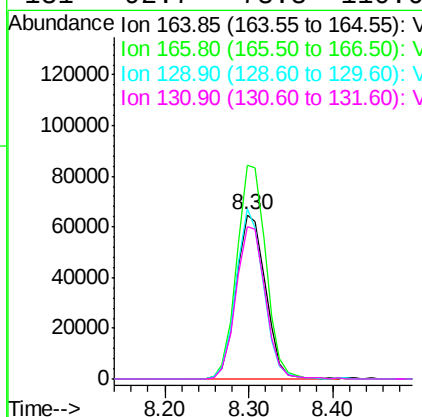
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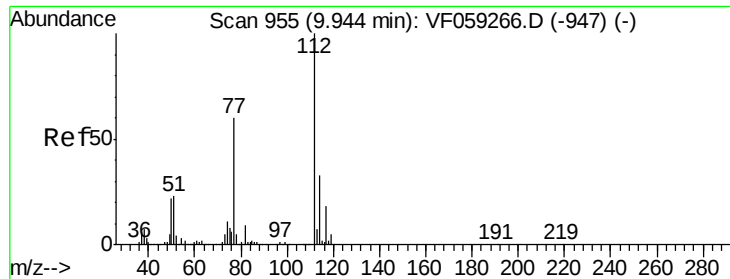
apatel
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#64
Tetrachloroethene
Concen: 51.55 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	157321		
166	129.9		101.4	152.2
129	103.2		72.2	108.4
131	92.7		73.8	110.6





#65

Chlorobenzene

Concen: 49.19 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion:112 Resp: 415971

Ion Ratio Lower Upper

112 100

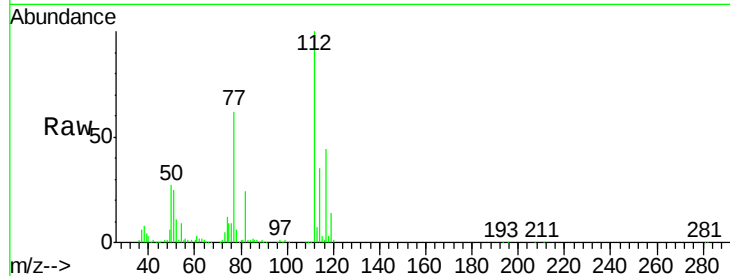
114 34.8 26.4 39.6

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.93

200000

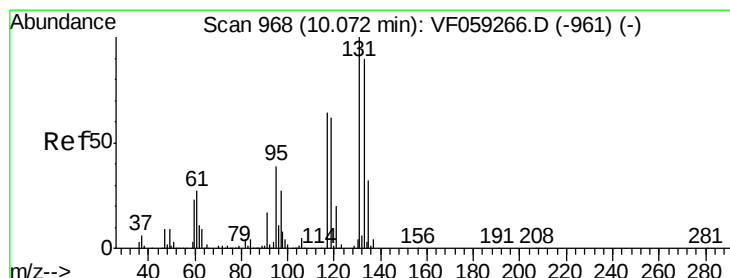
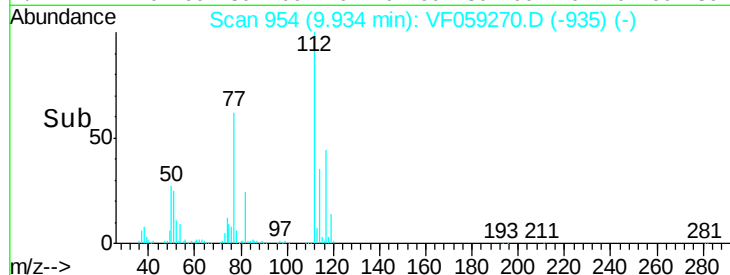
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.75 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

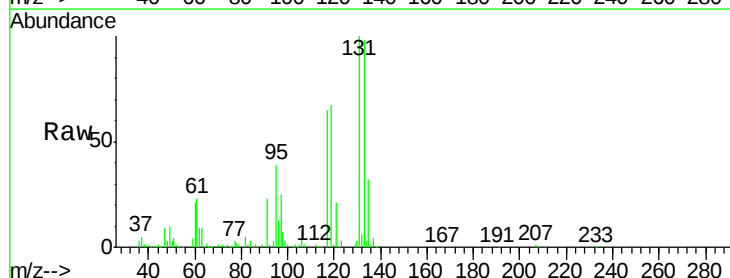
Tgt Ion:131 Resp: 182288

Ion Ratio Lower Upper

131 100

133 98.2 45.1 135.2

119 67.4 31.2 93.6



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

10.07

100000

80000

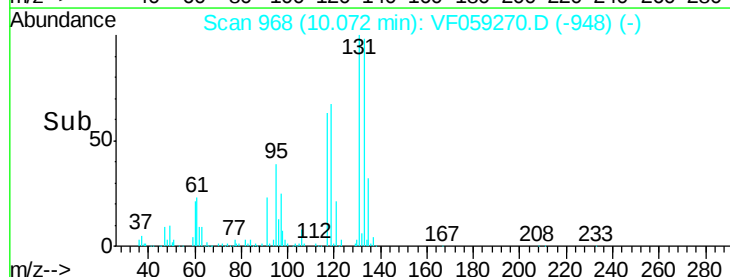
60000

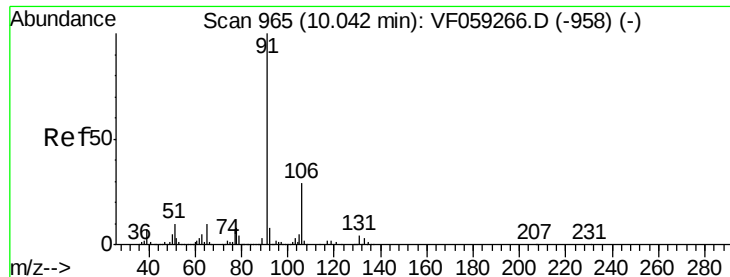
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 51.26 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 91 Resp: 735884

Ion Ratio Lower Upper

91 100

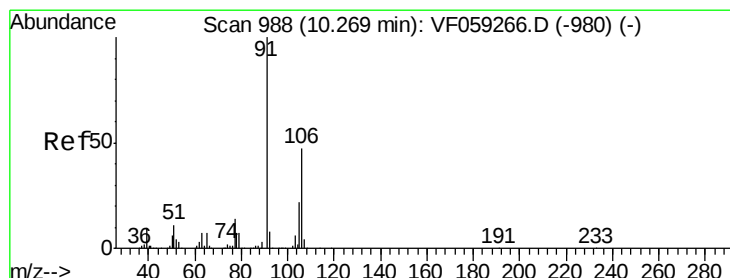
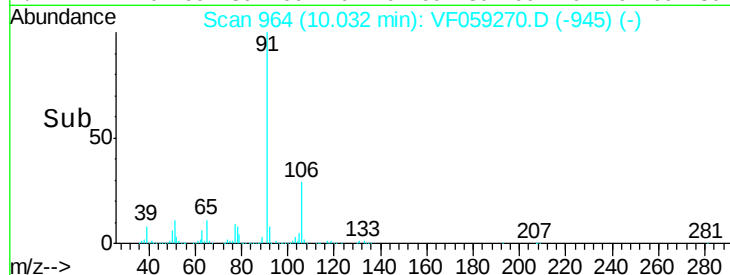
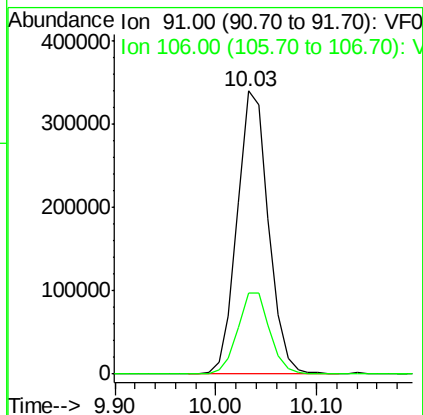
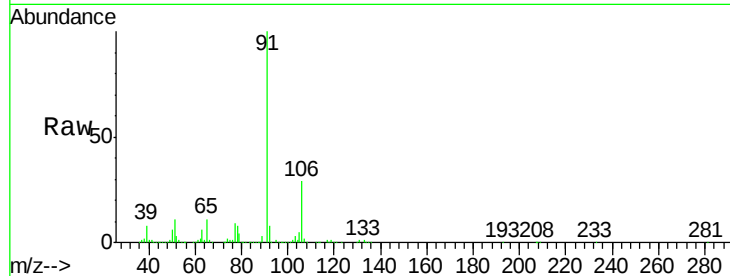
106 28.8 23.4 35.2

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#68

m/p-Xylenes

Concen: 100.86 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059270.D

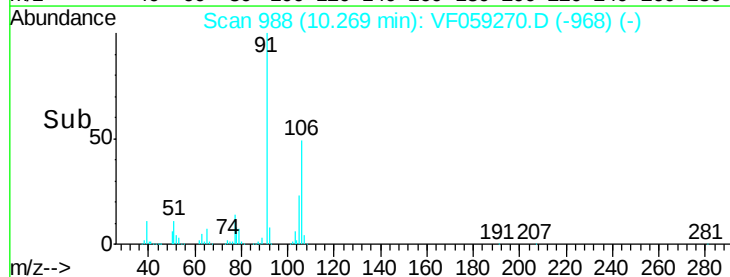
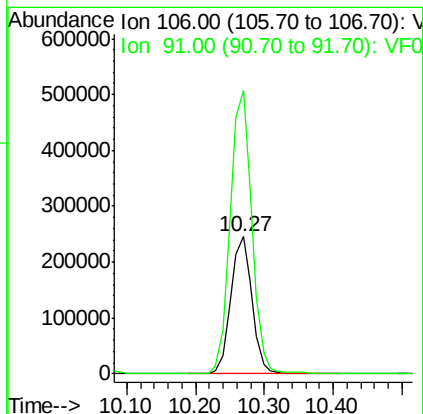
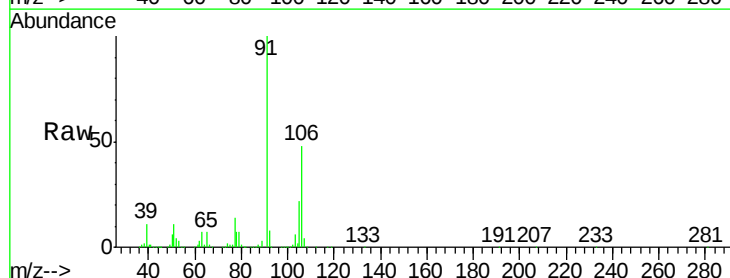
Acq: 21 Jun 2018 19:32

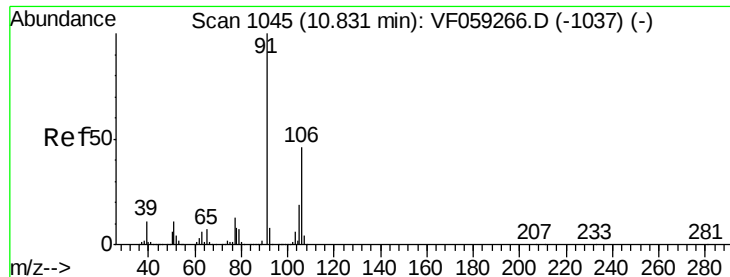
Tgt Ion: 106 Resp: 520436

Ion Ratio Lower Upper

106 100

91 206.5 168.8 253.2





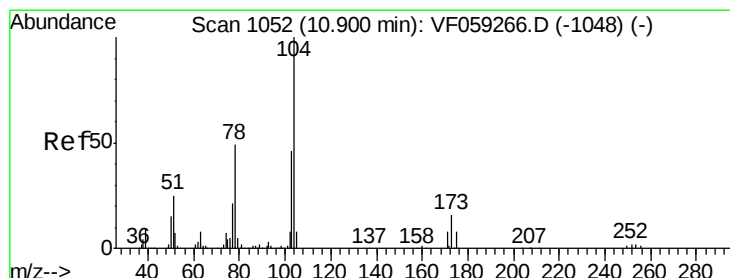
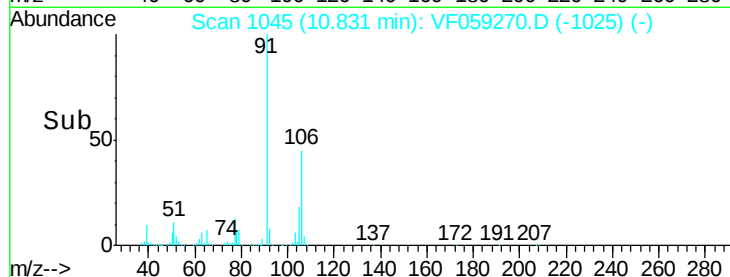
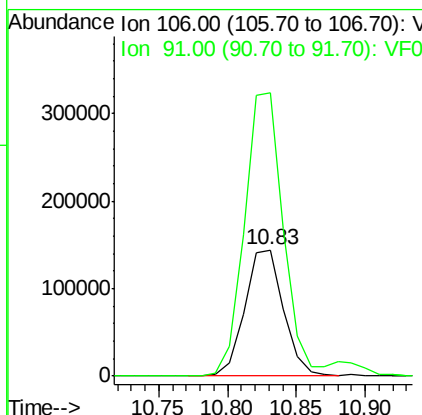
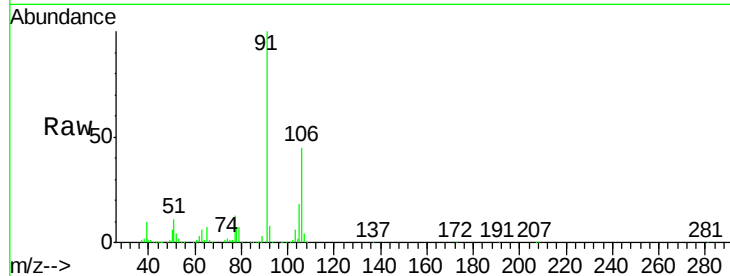
#69
o-Xylene
Concen: 49.76 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.4	109.1	327.4

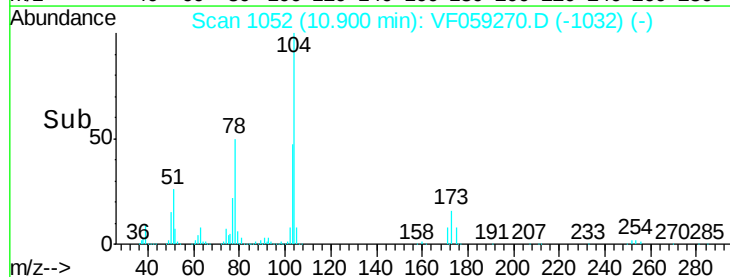
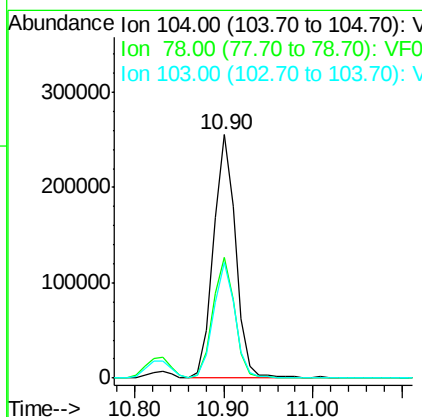
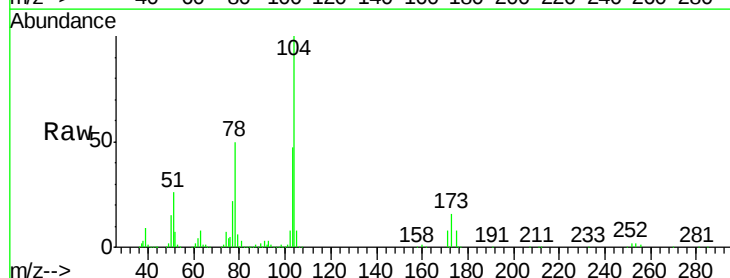
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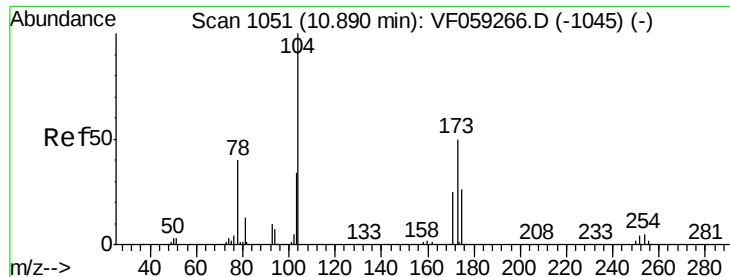
apatel
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#70
Styrene
Concen: 51.23 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.3	58.9
103	47.3	36.6	55.0





#71

Bromoform

Concen: 51.41 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

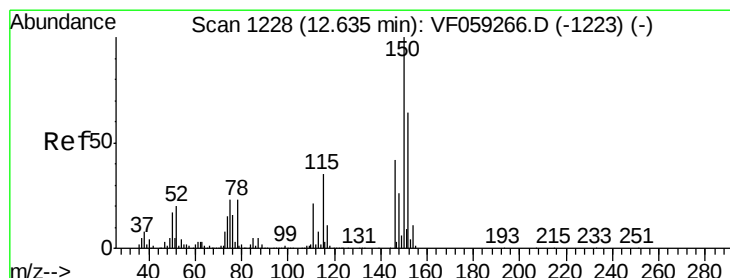
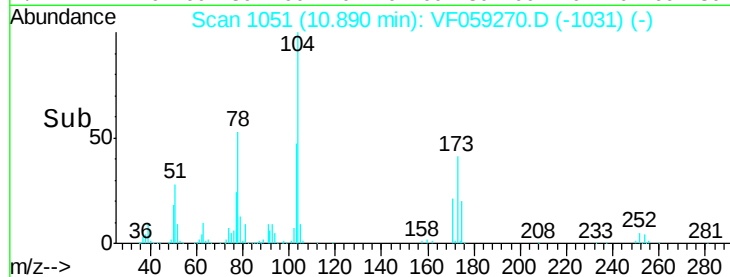
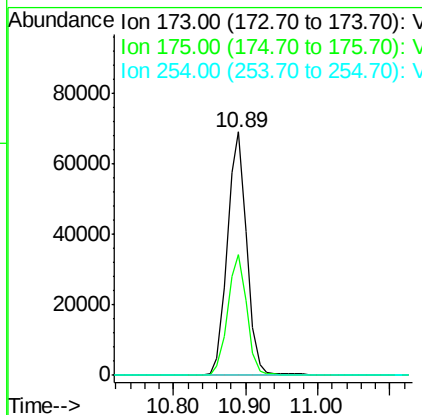
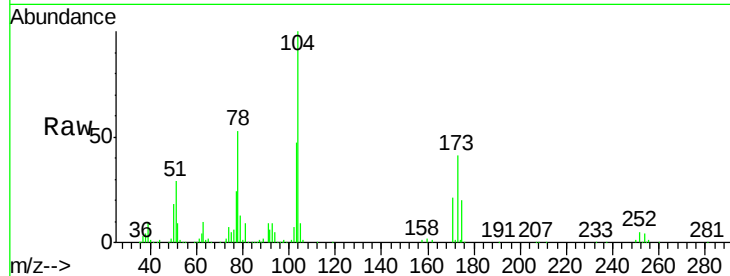
ClientSampleId :

ICVVF062118

Tot Ion:	173	Resp:	129160
Ion Ratio	Lower	Upper	
173	100		
175	49.6	25.4	76.4
254	0.2	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

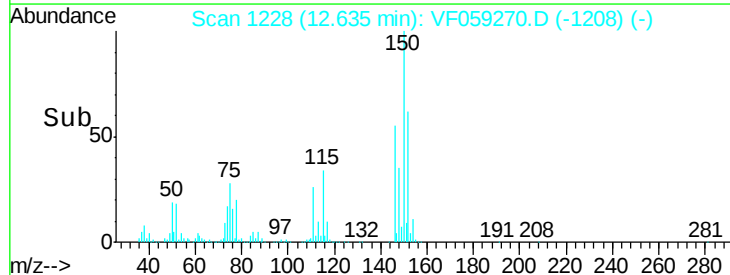
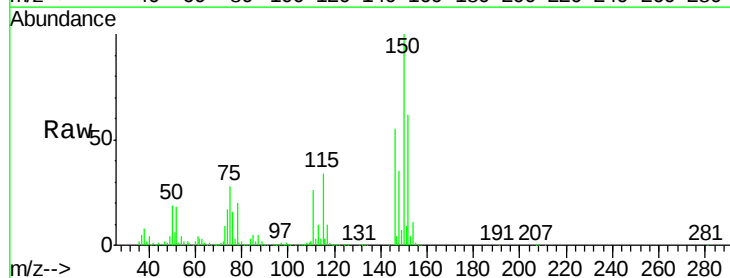
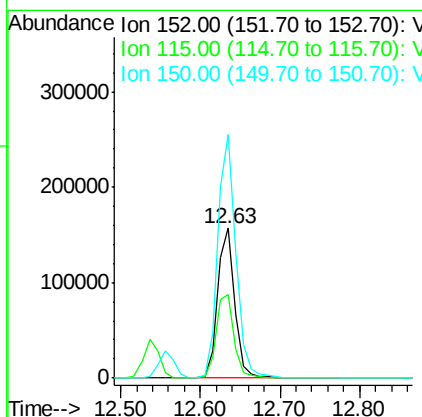
RT: 12.63 min Scan# 1228

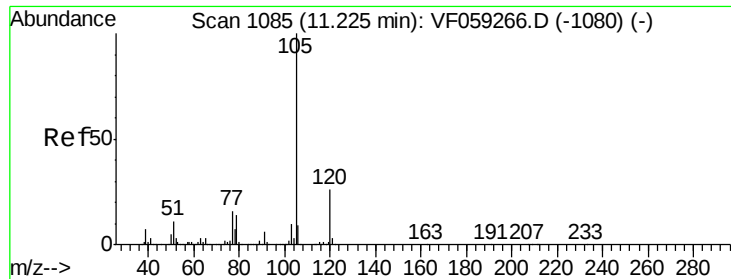
Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	152	Resp:	238481
Ion Ratio	Lower	Upper	
152	100		
115	55.8	27.8	83.3
150	162.5	0.0	313.8





#73

Isopropylbenzene

Concen: 51.85 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 105 Resp: 851748

Ion Ratio Lower Upper

105 100

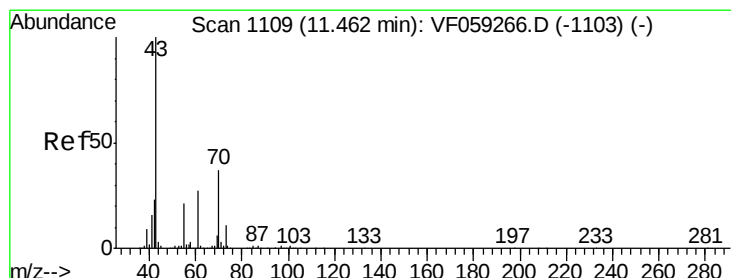
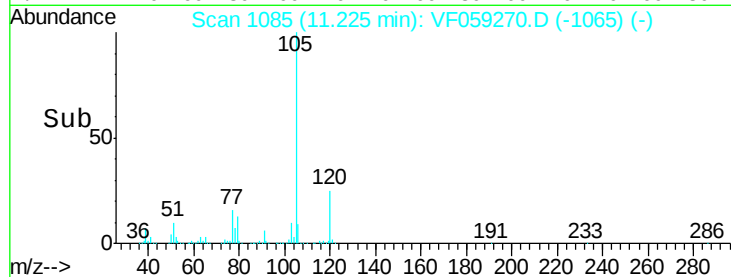
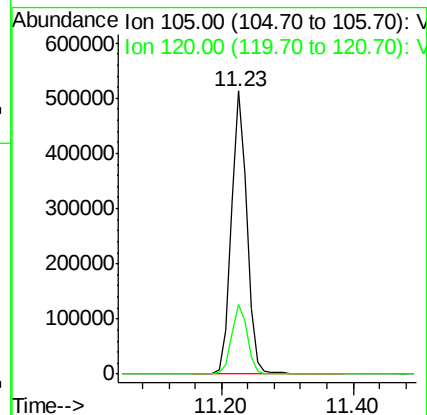
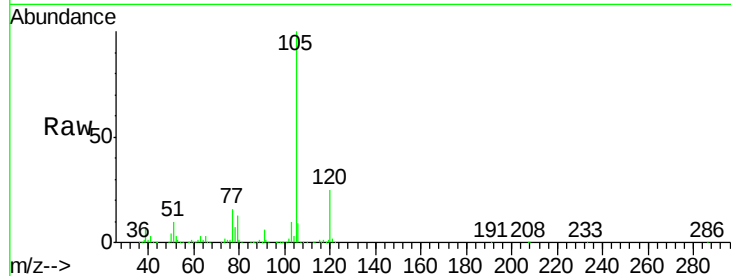
120 24.8 12.9 38.7

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#74

N-ethyl acetate

Concen: 58.45 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion: 43 Resp: 313531

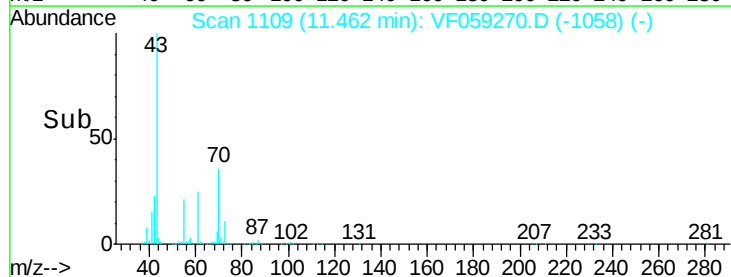
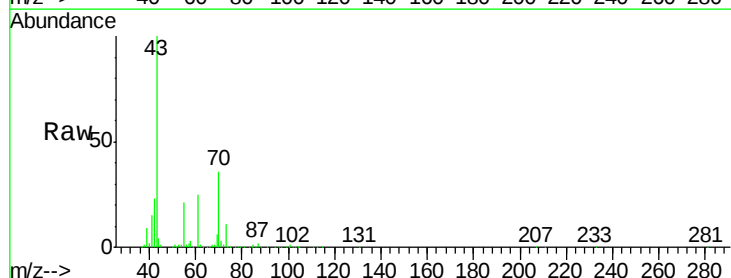
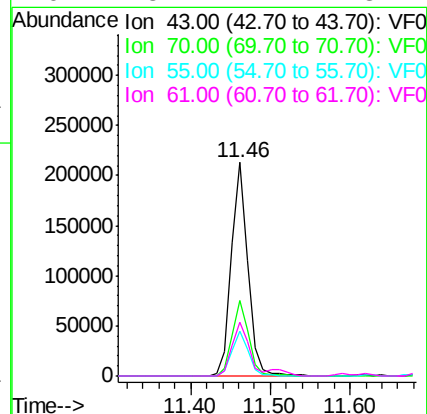
Ion Ratio Lower Upper

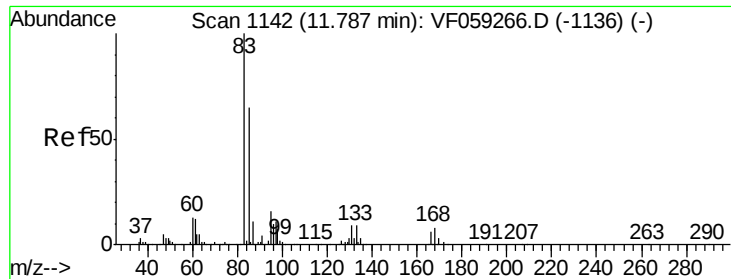
43 100

70 35.6 29.6 44.4

55 20.7 17.0 25.4

61 25.2 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.91 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

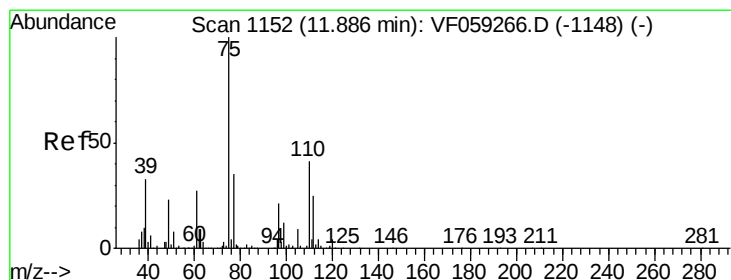
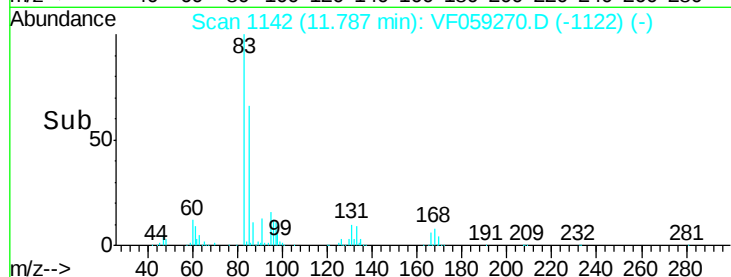
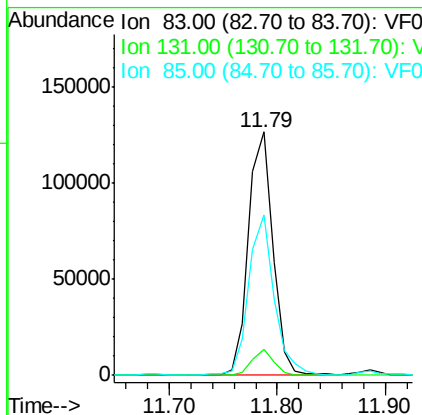
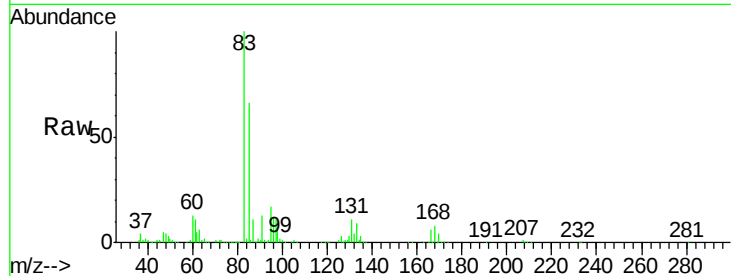
ClientSampleId :

ICVVF062118

Tot Ion:	83	Resp:	200105
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.8	14.3
85	66.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 53.26 ug/l

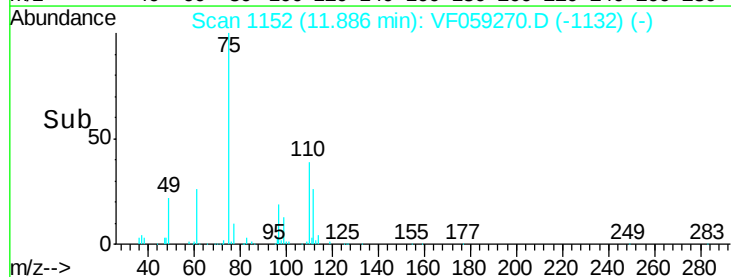
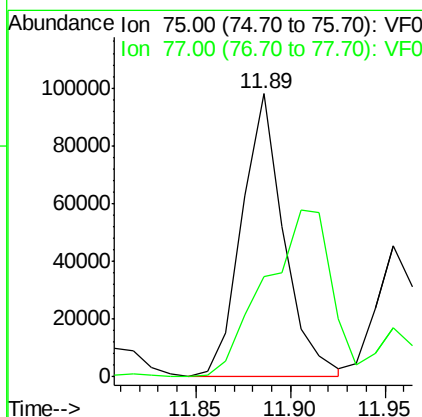
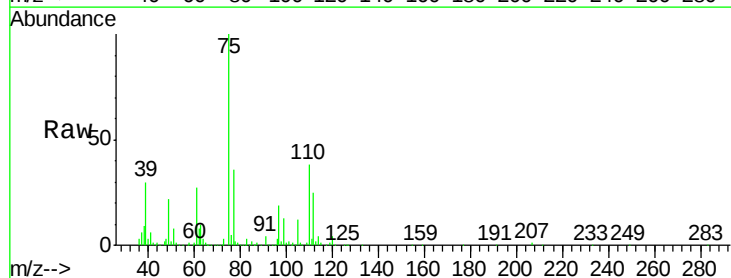
RT: 11.89 min Scan# 1152

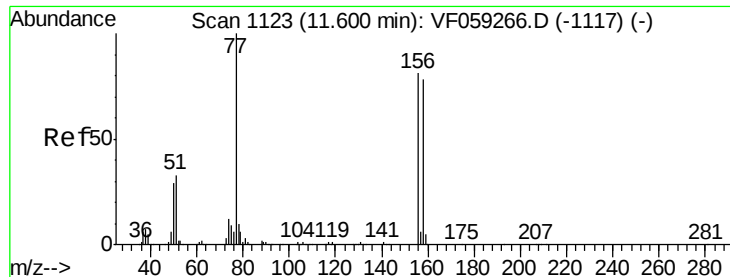
Delta R.T. -0.00 min

Lab File: VF059270.D

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Tgt Ion:	75	Resp:	150309
Ion Ratio	Lower	Upper	
75	100		
77	35.6	17.4	52.2





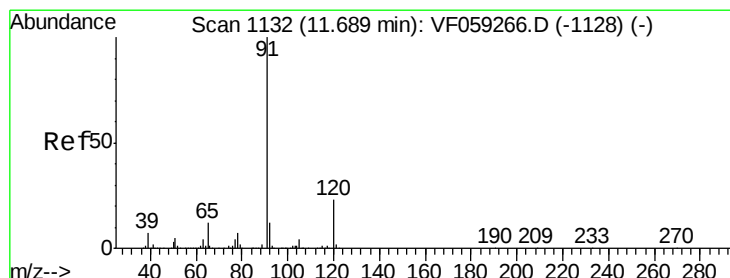
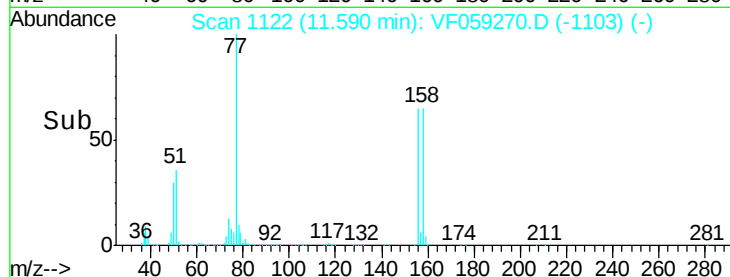
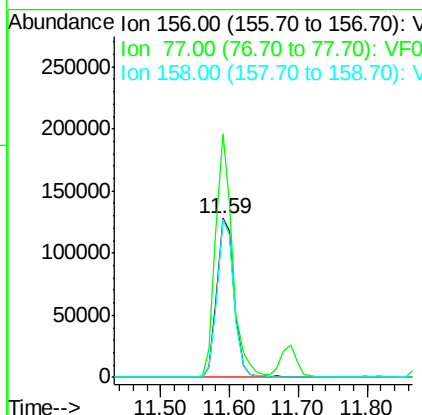
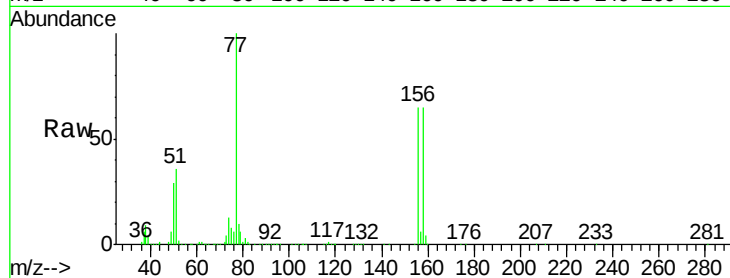
#77
Bromobenzene
Concen: 50.38 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.1	61.7	185.0
158	99.4	48.2	144.6

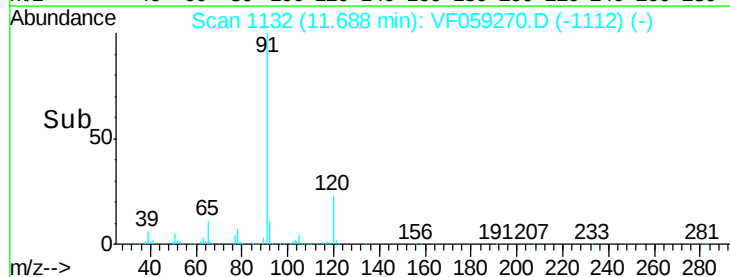
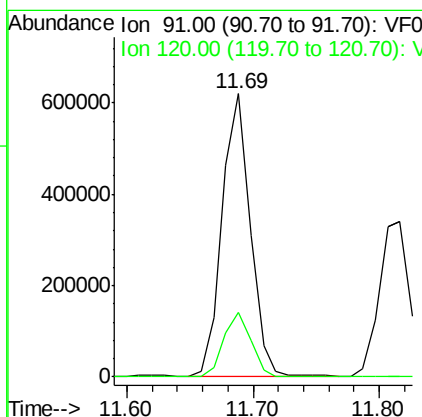
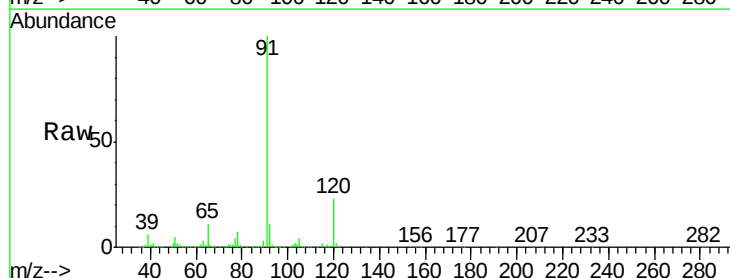
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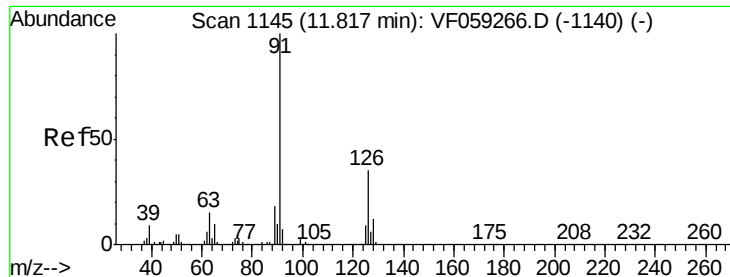
apatel
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#78
n-propylbenzene
Concen: 49.35 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 48.91 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 91 Resp: 569988

Ion Ratio Lower Upper

91 100

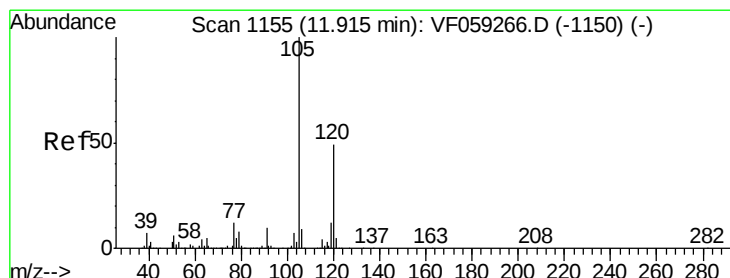
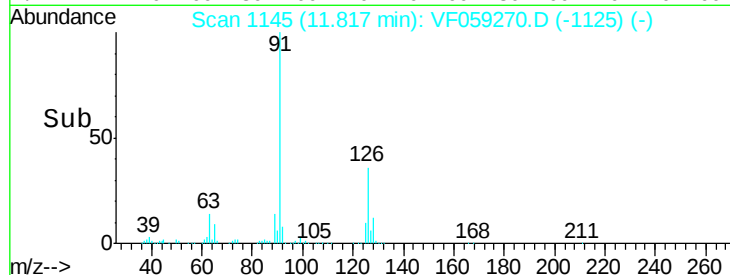
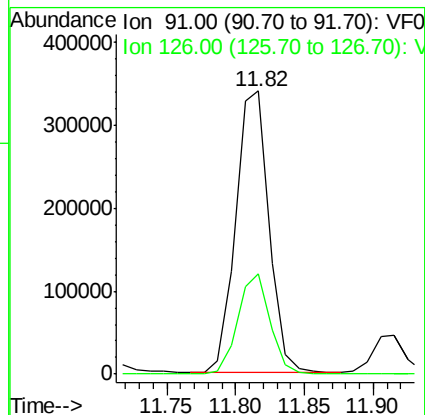
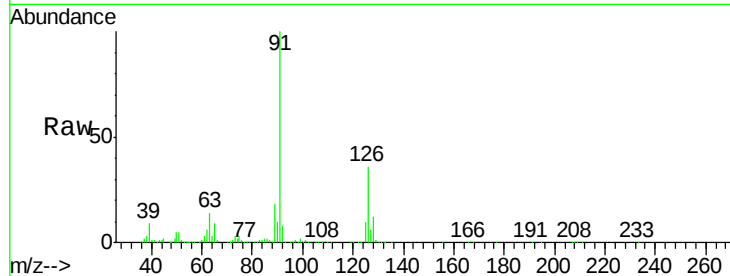
126 35.7 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 50.73 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059270.D

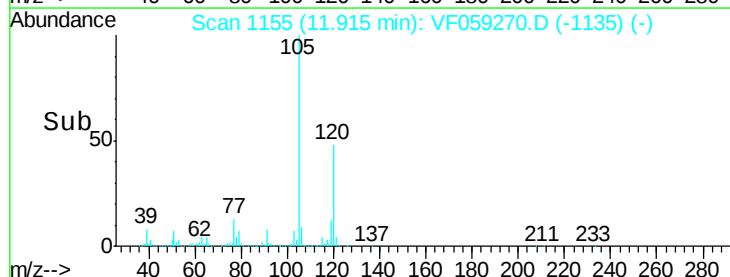
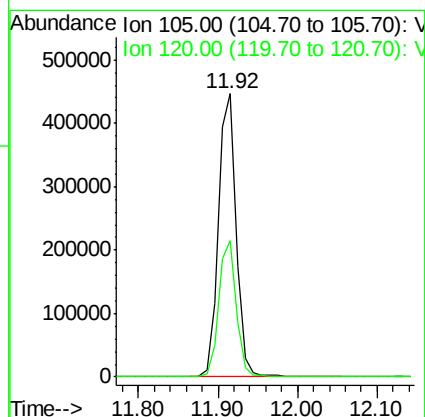
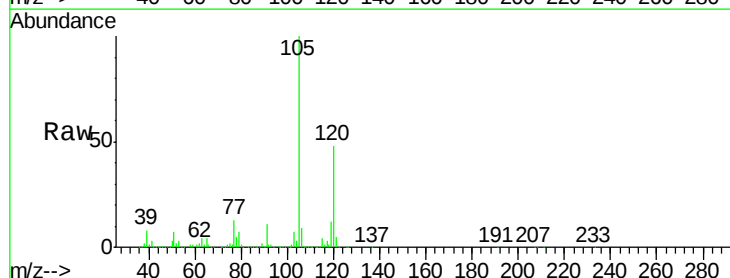
Acq: 21 Jun 2018 19:32

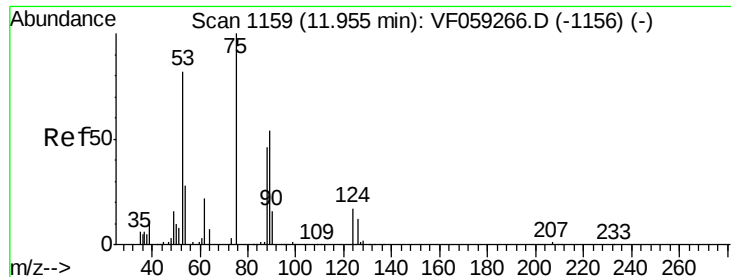
Tgt Ion: 105 Resp: 704572

Ion Ratio Lower Upper

105 100

120 48.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.16 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062118

Tot Ion: 75 Resp: 88853

Ion Ratio Lower Upper

75 100

53 83.7 70.2 105.2

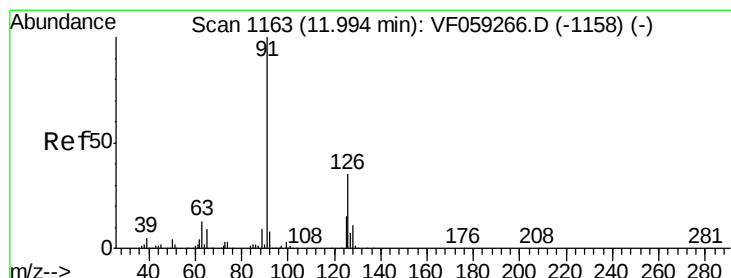
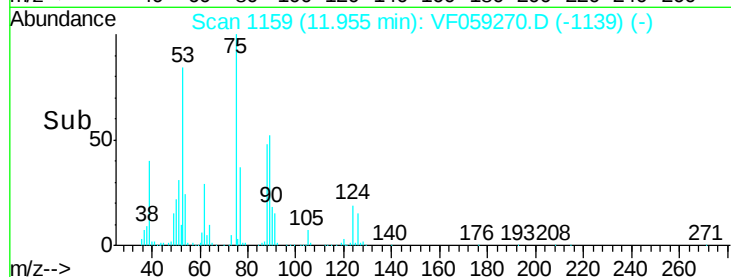
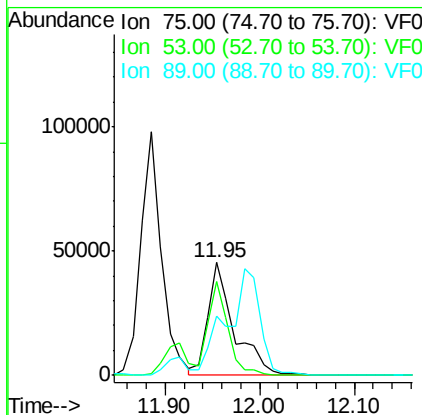
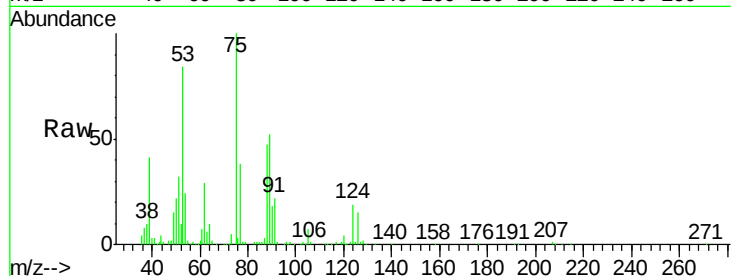
89 52.1 45.3 67.9

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#82

4-Chlorotoluene

Concen: 49.30 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059270.D

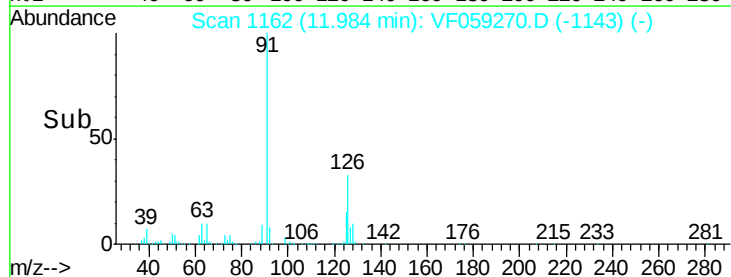
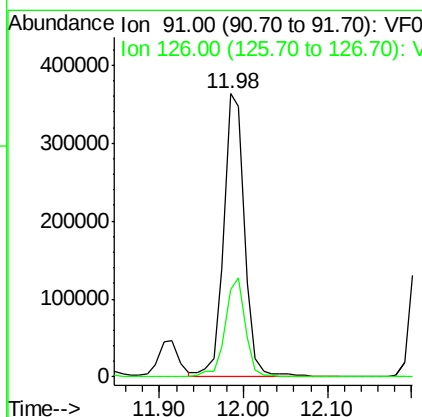
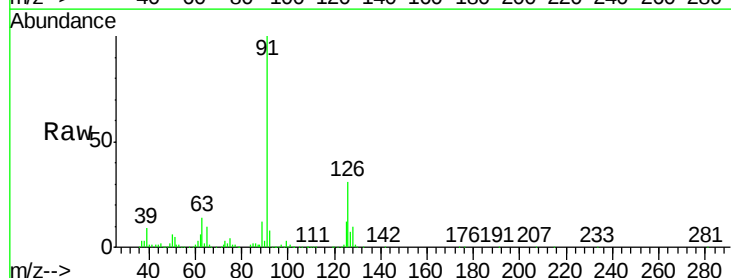
Acq: 21 Jun 2018 19:32

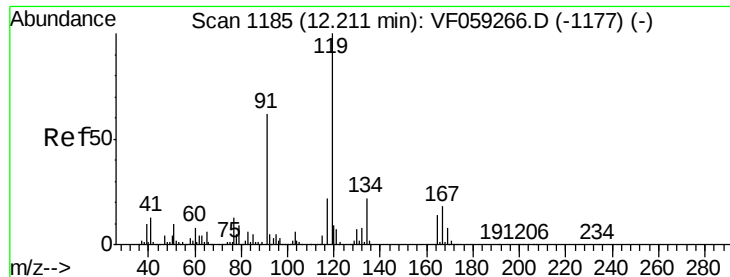
Tgt Ion: 91 Resp: 617168

Ion Ratio Lower Upper

91 100

126 31.0 17.6 52.8





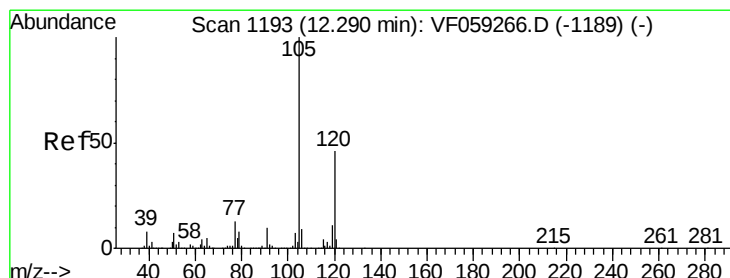
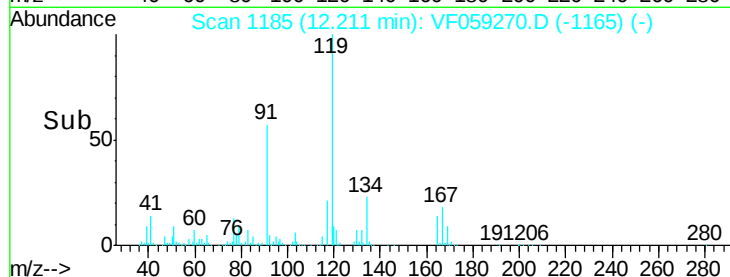
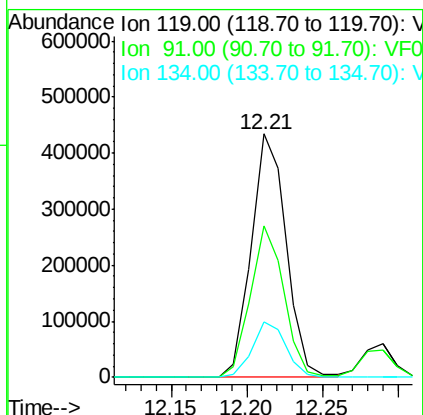
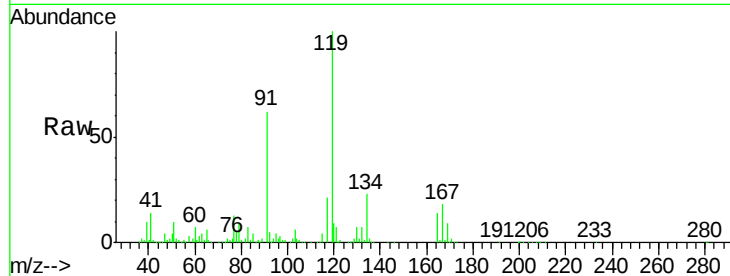
#83
 tert-Butylbenzene
 Concen: 49.72 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062118

Tot Ion	Ratio	Resp	Lower	Upper
119	100	698975		
91	62.1		31.3	93.8
134	22.7		11.3	33.8

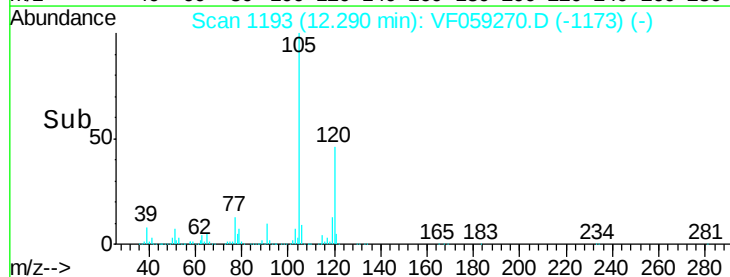
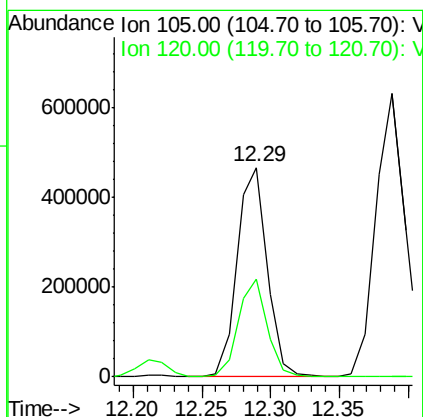
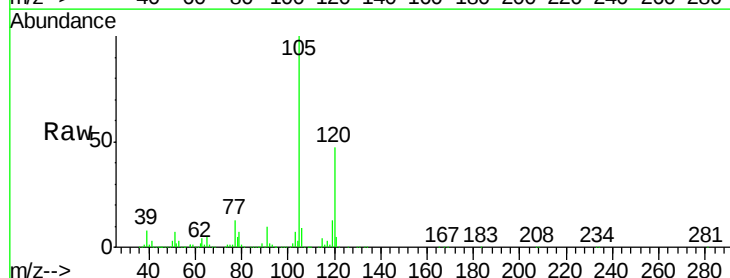
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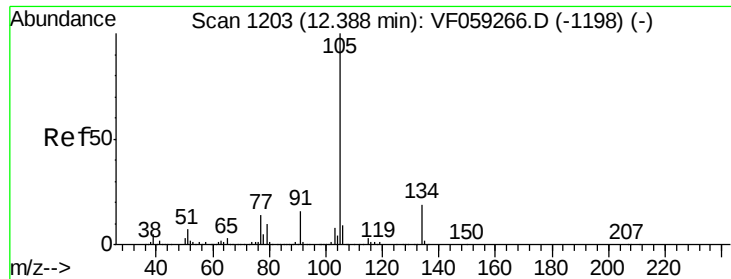
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.41 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	708168		
120	46.5		22.8	68.4





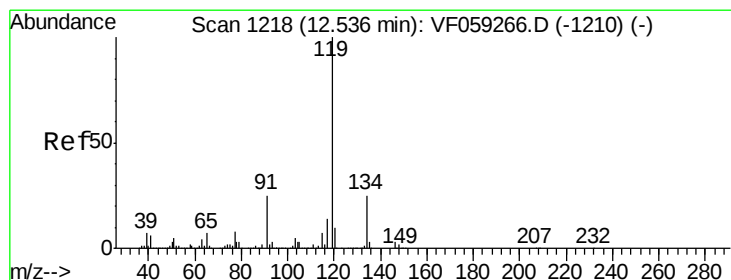
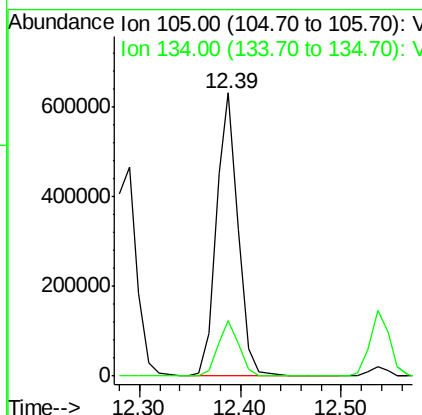
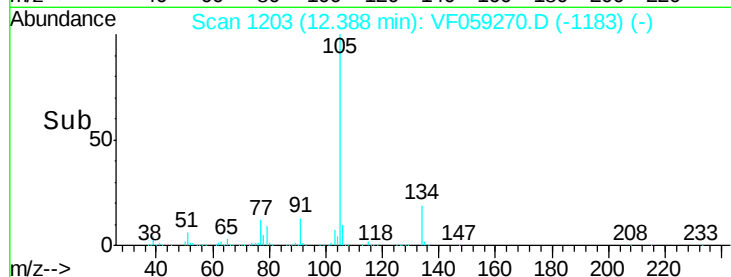
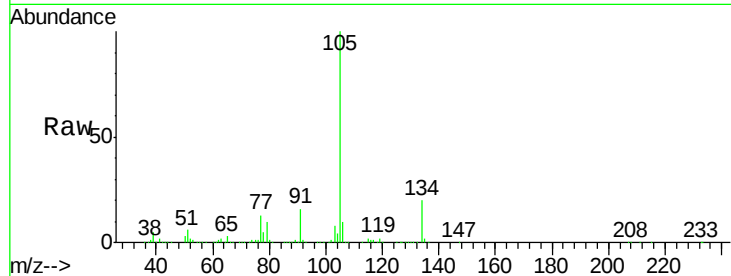
#85
 sec-Butylbenzene
 Concen: 49.98 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062118

Tot Ion	Ratio	Resp	Lower	Upper
105	100	937683		
134	19.7	9.5	28.5	

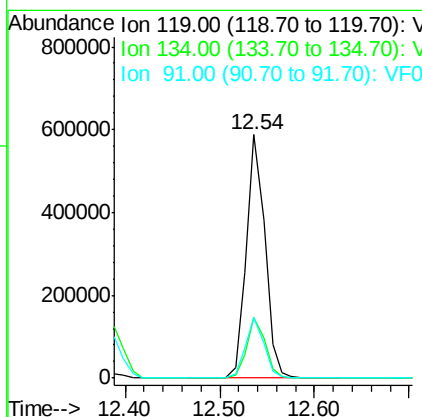
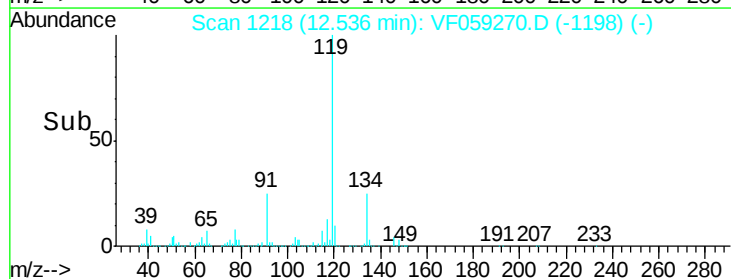
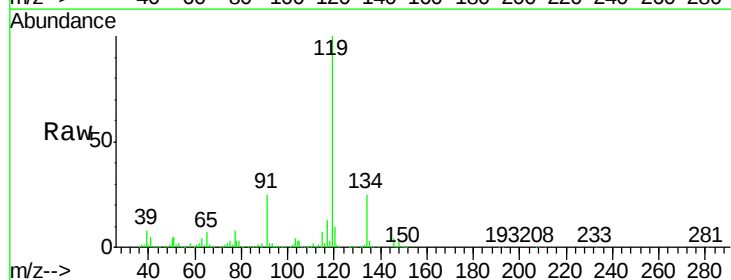
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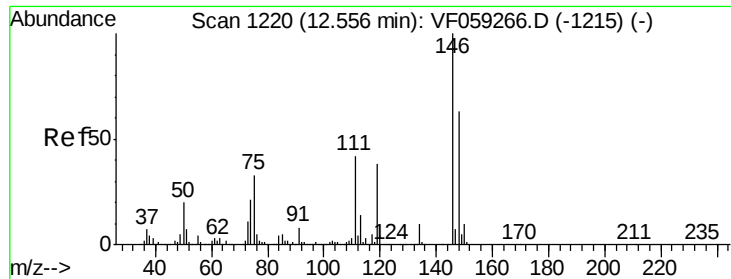
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#86
 p-Isopropyltoluene
 Concen: 51.80 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	801207		
134	25.0	12.6	37.8	
91	24.7	12.6	37.8	





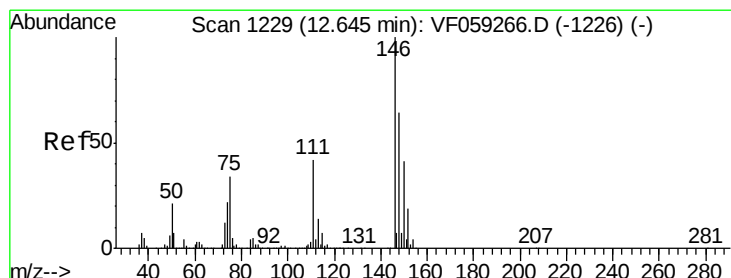
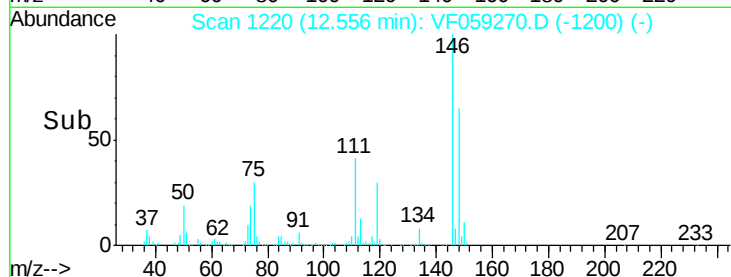
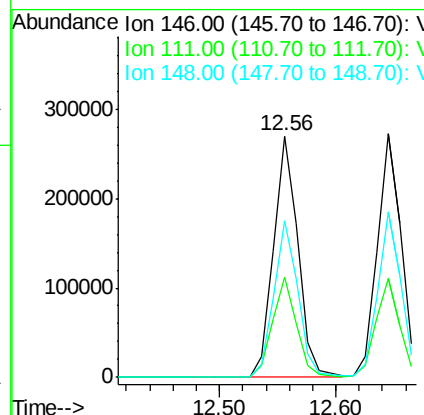
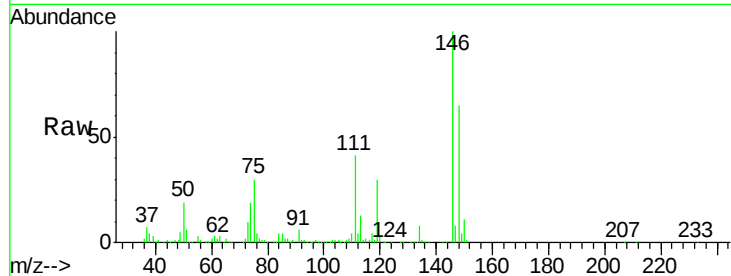
#87
 1,3-Dichlorobenzene
 Concen: 49.23 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062118

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	64.9	31.6	94.8

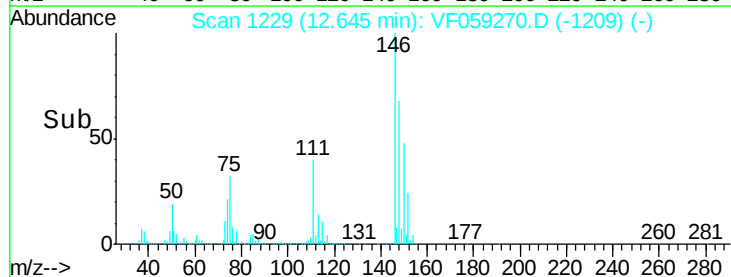
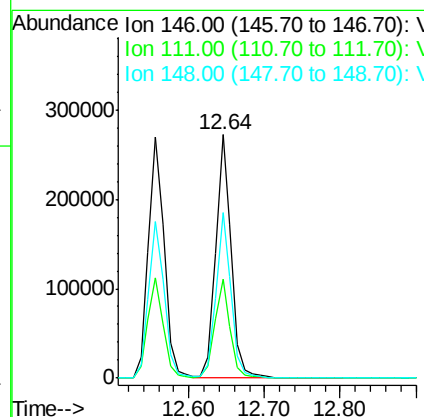
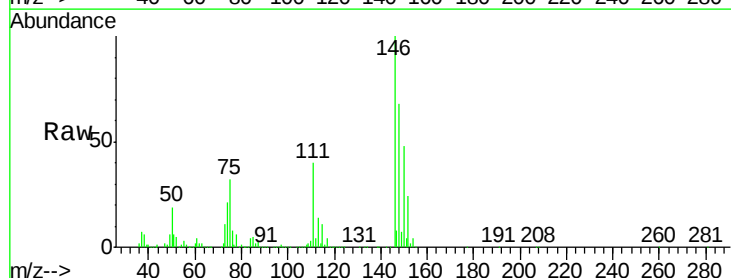
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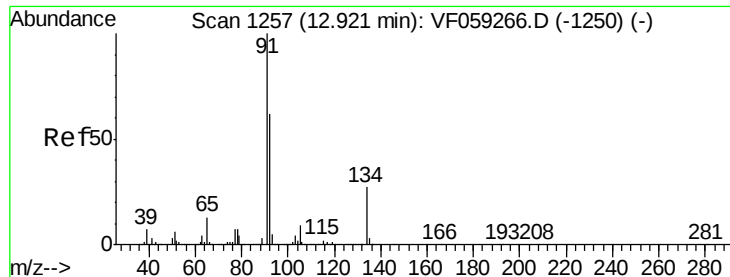
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#88
 1,4-Dichlorobenzene
 Concen: 50.47 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.3	63.9
148	67.7	32.0	96.2





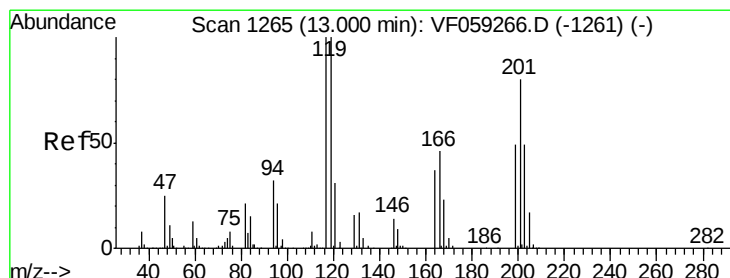
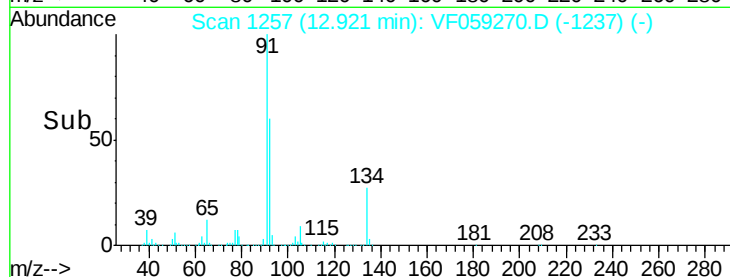
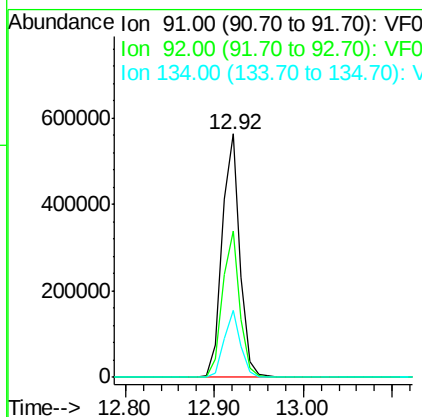
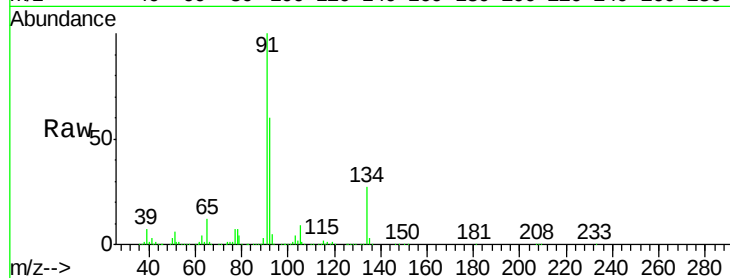
#89
n-Butylbenzene
Concen: 50.18 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062118

Tot Ion	Ratio	Resp	Lower	Upper
91	100	790376		
92	59.9		31.2	93.6
134	27.4		13.4	40.1

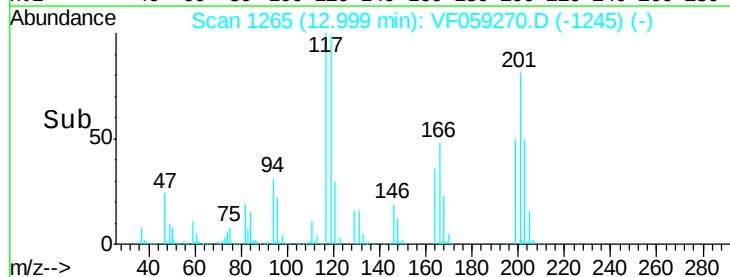
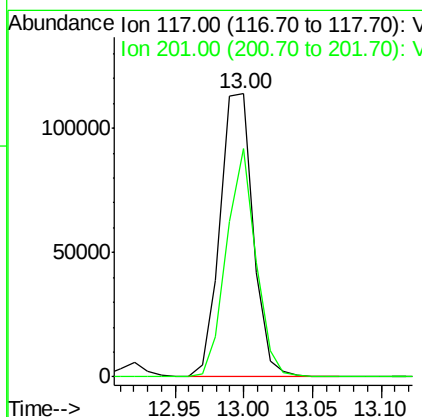
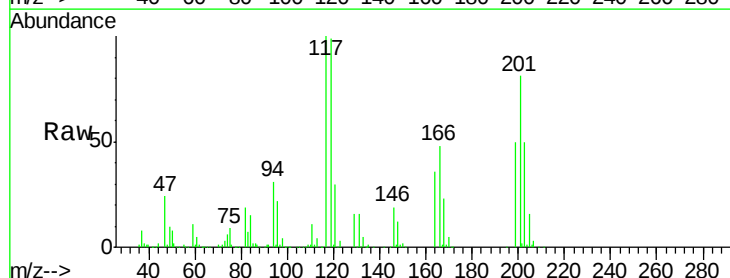
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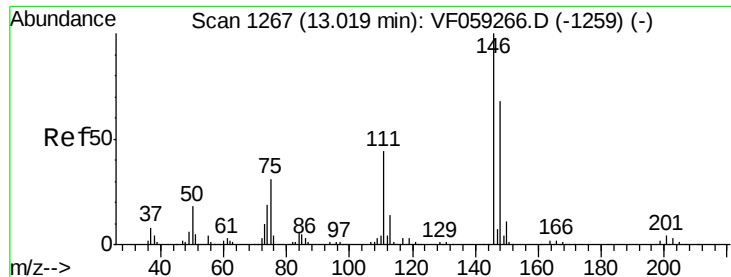
apatel
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#90
Hexachloroethane
Concen: 49.02 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF059270.D
Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	189546		
201	80.7		39.8	119.3





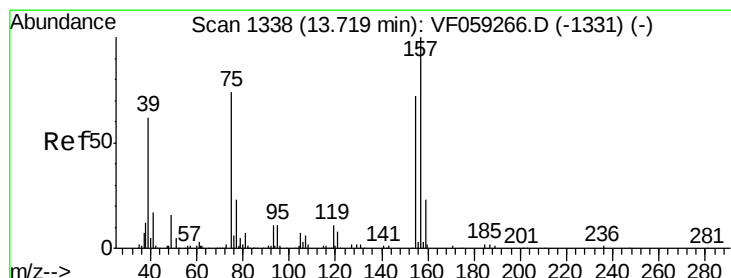
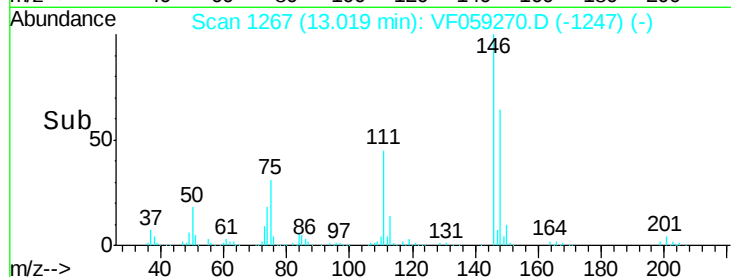
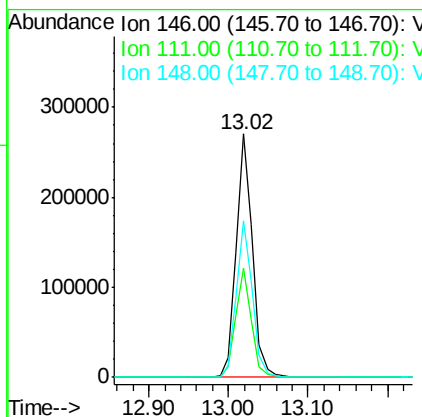
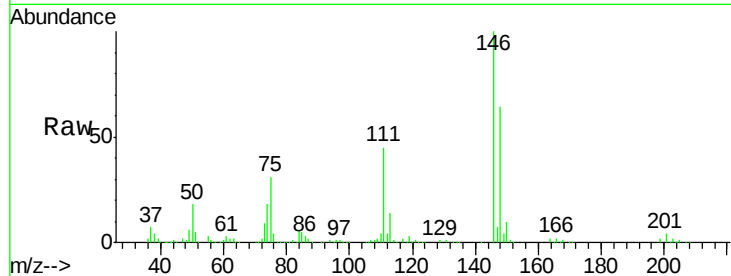
#91
 1,2-Dichlorobenzene
 Concen: 49.32 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062118

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.3
148	64.2	34.0	102.0

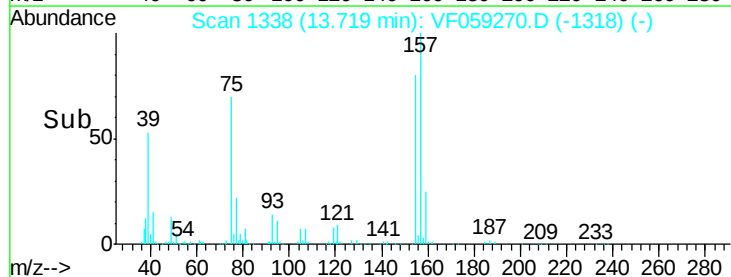
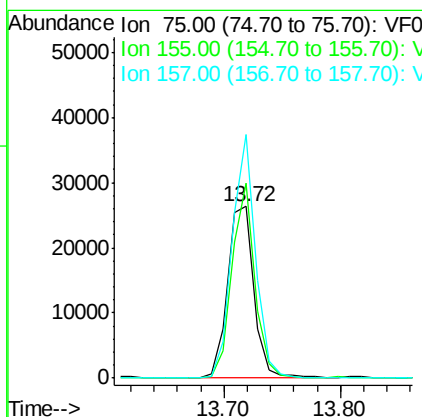
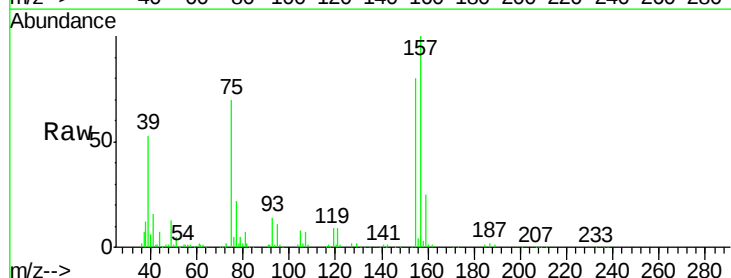
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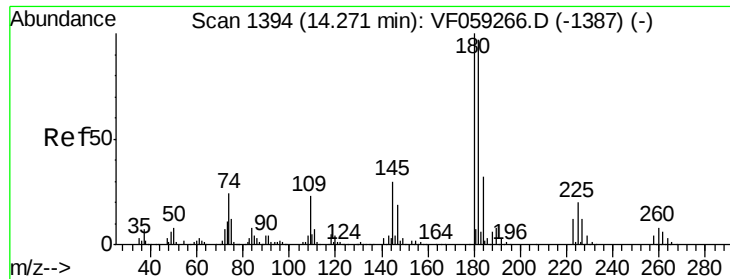
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.00 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.5	48.3	144.9
157	141.9	67.2	201.6





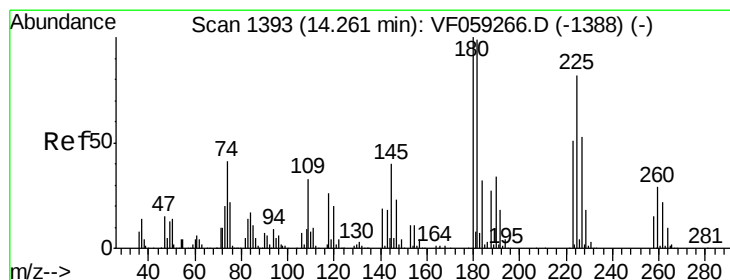
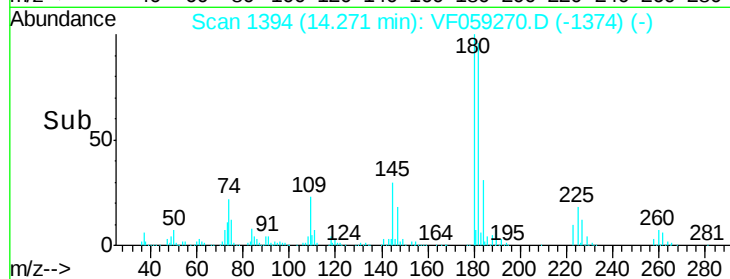
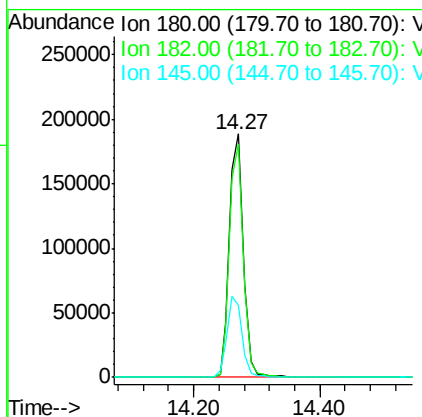
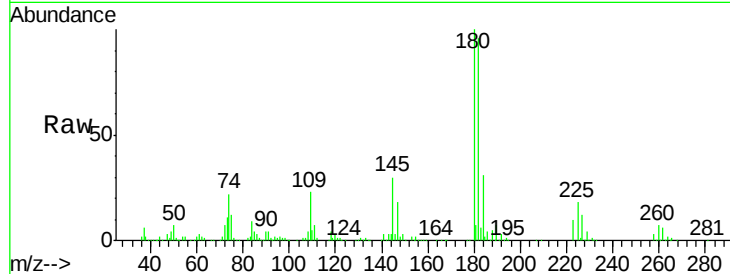
#93
 1,2,4-Trichlorobenzene
 Concen: 50.20 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV062118

Tot Ion	Ratio	Resp	Lower	Upper
180	100	289390		
182	96.1	48.6	145.9	
145	29.8	15.0	45.1	

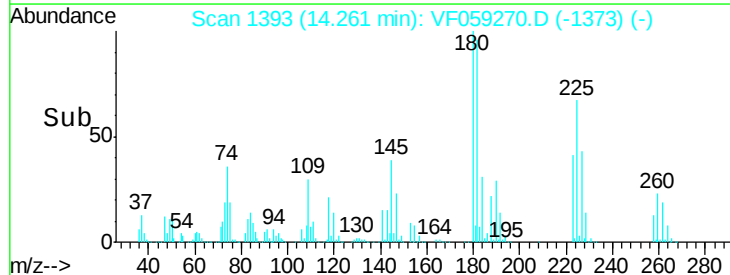
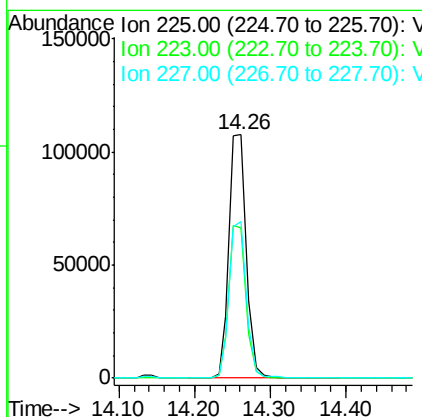
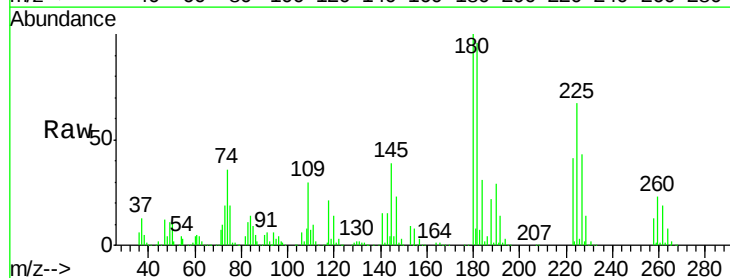
Manual Integrations
 APPROVED

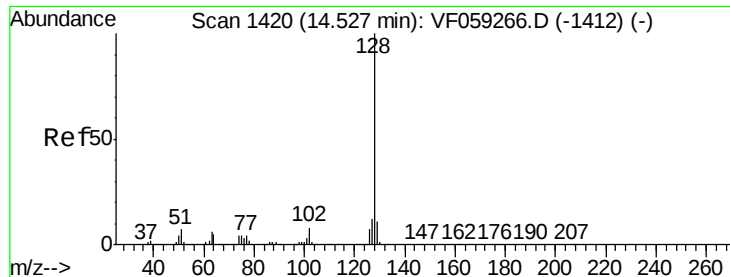
apatel
 6/22/2018 11:34:50 AM



#94
 Hexachlorobutadiene
 Concen: 49.68 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059270.D
 Acq: 21 Jun 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	169755		
223	61.7	30.7	92.1	
227	64.4	32.0	96.2	





#95

Naphthalene

Concen: 54.52 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Instrument :

MSVOA_F

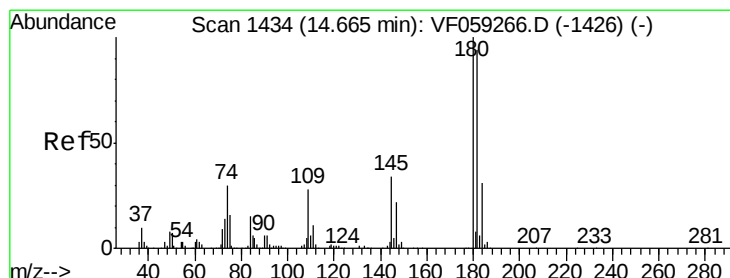
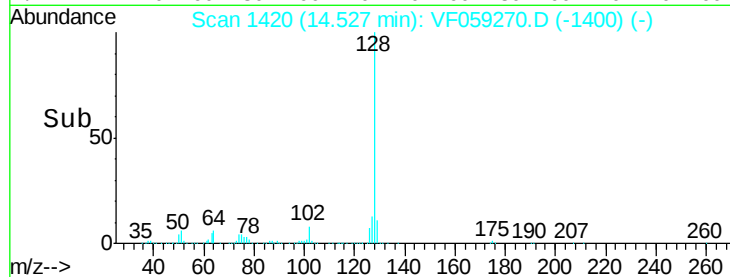
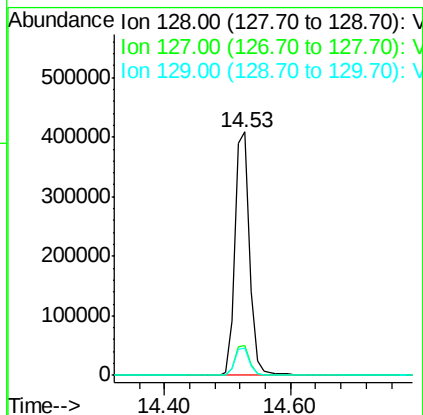
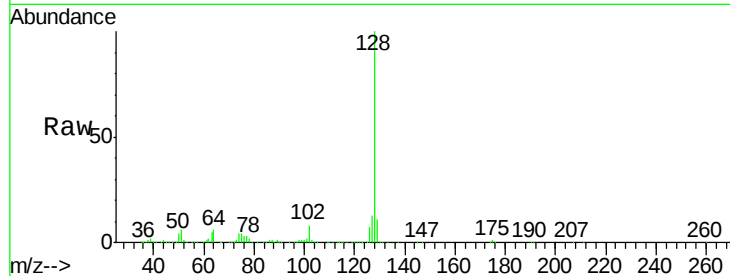
ClientSampleId :

ICVVF062118

Tot Ion:	128	Resp:	645377
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.6	14.4
129	11.4	9.0	13.4

Manual Integrations
APPROVED

apatel
6/22/2018 11:34:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.83 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059270.D

Acq: 21 Jun 2018 19:32

Tgt Ion:	180	Resp:	286563
Ion Ratio	Lower	Upper	
180	100		
182	94.9	46.9	140.7
145	34.7	17.0	50.9

