

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059308.D
 Acq On : 25 Jun 2018 18:05
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF062518

Manual Integrations
 APPROVED

apatel
 6/26/2018 10:04:49 AM

Quant Time: Jun 26 08:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	290098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	448047	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	453693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	254740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	182373	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	4.27	113	158067	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	7.70	98	398106	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.50	95	220188	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	110100	41.54	ug/l	94
3) Chloromethane	1.08	50	83474	46.88	ug/l	97
4) Vinyl Chloride	1.14	62	77395	44.16	ug/l	98
5) Bromomethane	1.34	94	54866	56.18	ug/l	100
6) Chloroethane	1.43	64	40675	46.08	ug/l	93
7) Trichlorofluoromethane	1.49	101	139958m	40.38	ug/l	
8) Diethyl Ether	1.69	74	44927	50.56	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	79059	39.08	ug/l	95
10) Methyl Iodide	1.96	142	176592	47.87	ug/l	99
11) Tert butyl alcohol	2.68	59	63982	256.42	ug/l	97
12) 1,1-Dichloroethene	1.85	96	80806	47.25	ug/l	86
13) Acrolein	2.08	56	31042	261.82	ug/l	92
14) Allyl chloride	2.19	41	160673	50.05	ug/l	89
15) Acrylonitrile	3.07	53	136710	311.13	ug/l	92
16) Acetone	2.32	43	242848	259.84	ug/l	96
17) Carbon Disulfide	1.86	76	184584	45.88	ug/l	99
18) Methyl Acetate	2.44	43	98060	58.16	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	316527	49.62	ug/l	94
20) Methylene Chloride	2.26	84	97410m	45.71	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	91259	50.02	ug/l	88
22) Diisopropyl ether	2.91	45	375287	52.79	ug/l	99
23) Vinyl Acetate	3.32	43	1257356	277.70	ug/l	100
24) 1,1-Dichloroethane	2.99	63	210705	47.80	ug/l	99
25) 2-Butanone	4.49	43	322686	284.99	ug/l	95
26) 2,2-Dichloropropane	3.74	77	140445	46.19	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	141323	51.02	ug/l	85
28) Bromochloromethane	3.87	49	85019	50.25	ug/l	97
29) Tetrahydrofuran	4.24	42	151404	316.42	ug/l	97
30) Chloroform	4.02	83	306516	48.03	ug/l	99
31) Cyclohexane	3.85	56	128382	44.46	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	205906	44.09	ug/l	98
36) 1,1-Dichloropropene	4.44	75	176411	45.07	ug/l	99
37) Ethyl Acetate	4.27	43	144598	57.99	ug/l #	77
38) Carbon Tetrachloride	4.16	117	210458	42.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	149857	43.21	ug/l	97
40) Benzene	4.80	78	434597	50.08	ug/l	98
41) Methacrylonitrile	4.91	41	72554	54.34	ug/l	90
42) 1,2-Dichloroethane	5.10	62	243276	47.97	ug/l	98
43) Isopropyl Acetate	7.09	43	192686	59.10	ug/l #	95
44) Trichloroethene	5.66	130	136655	45.90	ug/l	95
45) 1,2-Dichloropropane	6.38	63	129571	52.26	ug/l	95
46) Dibromomethane	6.24	93	110515	51.35	ug/l	97
47) Bromodichloromethane	6.53	83	259849	49.88	ug/l	95
48) Methyl methacrylate	6.86	41	120591	55.19	ug/l	91
49) 1,4-Dioxane	6.85	88	15576	1350.94	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	664667	275.19	ug/l	100
52) Toluene	7.76	92	295587	45.52	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	236724	49.85	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	263529	51.09	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	134851	53.48	ug/l	93
56) Ethyl methacrylate	8.74	69	170482	54.58	ug/l	98
57) 1,3-Dichloropropane	8.99	76	218130	50.44	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	48288	206.14	ug/l	100
59) 2-Hexanone	9.62	43	556227	310.64	ug/l	95
60) Dibromochloromethane	8.85	129	201418	51.75	ug/l	92
61) 1,2-Dibromoethane	9.12	107	159075	52.02	ug/l	99
64) Tetrachloroethene	8.29	164	133546	45.38	ug/l	97
65) Chlorobenzene	9.92	112	398762	47.43	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	170143	46.79	ug/l	98
67) Ethyl Benzene	10.02	91	653591	45.83	ug/l	95
68) m/p-Xylenes	10.25	106	470875	92.76	ug/l	99
69) o-Xylene	10.82	106	273599	48.19	ug/l	93
70) Styrene	10.89	104	415139	48.00	ug/l	98
71) Bromoform	10.88	173	134796	54.09	ug/l	99
73) Isopropylbenzene	11.21	105	744544	50.17	ug/l	99
74) N-amyl acetate	11.45	43	356400	66.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	210427	56.14	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	157017	55.54	ug/l	99
77) Bromobenzene	11.58	156	218624	53.10	ug/l	97
78) n-propylbenzene	11.68	91	852868	47.85	ug/l	99
79) 2-Chlorotoluene	11.81	91	531188	48.78	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	625190	48.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	90589	53.83	ug/l	95
82) 4-Chlorotoluene	11.97	91	580249	49.75	ug/l	94
83) tert-Butylbenzene	12.20	119	630679	48.51	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	666646	48.69	ug/l	98
85) sec-Butylbenzene	12.38	105	795890	46.18	ug/l	100
86) p-Isopropyltoluene	12.53	119	691043	47.78	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	376180	55.88	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	362227	49.26	ug/l	100
89) n-Butylbenzene	12.91	91	687434	46.82	ug/l	100
90) Hexachloroethane	12.99	117	167790	46.55	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	366981	49.10	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	47388	57.04	ug/l	99

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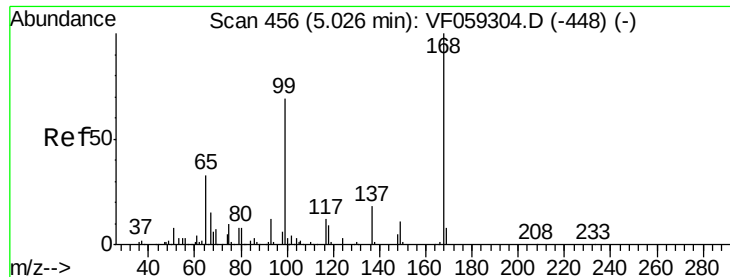
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	287920	52.09	µg/l	98
94) Hexachlorobutadiene	14.25	225	143914	46.62	µg/l	97
95) Naphthalene	14.52	128	682684	59.04	µg/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	294417	56.23	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion:168 Resp: 290098

Ion Ratio Lower Upper

168 100

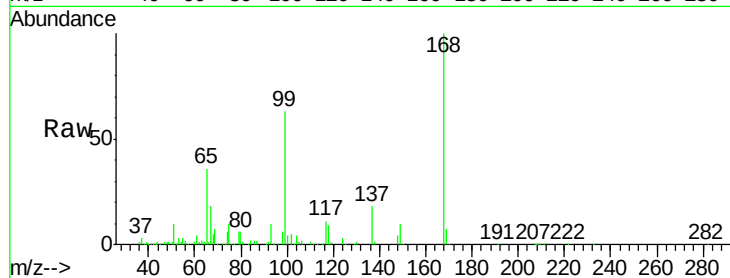
99 63.0 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

60000

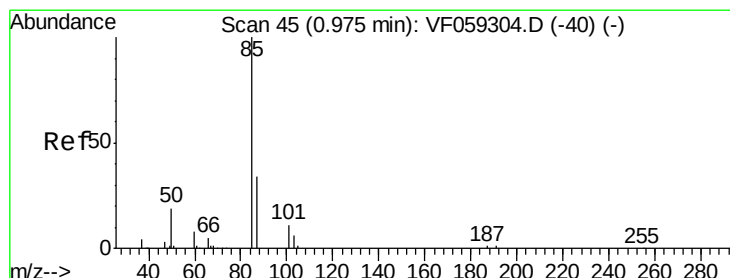
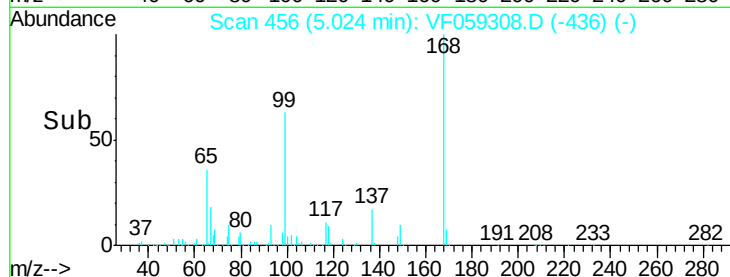
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 41.54 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059308.D

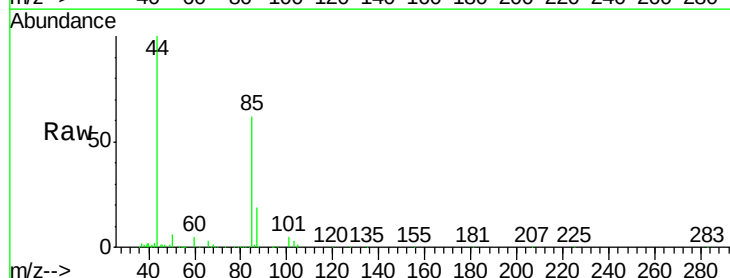
Acq: 25 Jun 2018 18:05

Tgt Ion: 85 Resp: 110100

Ion Ratio Lower Upper

85 100

87 30.7 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

30000

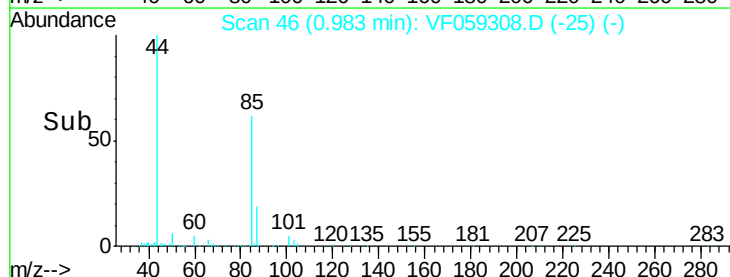
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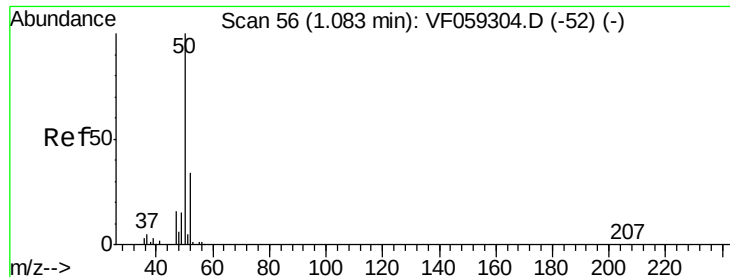
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 46.88 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 50 Resp: 83474

Ion Ratio Lower Upper

50 100

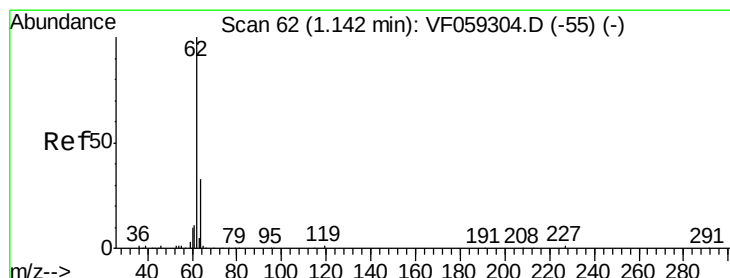
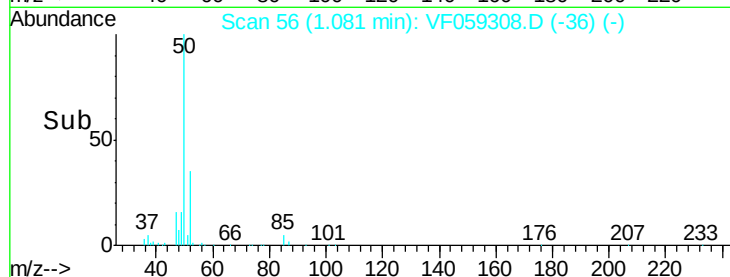
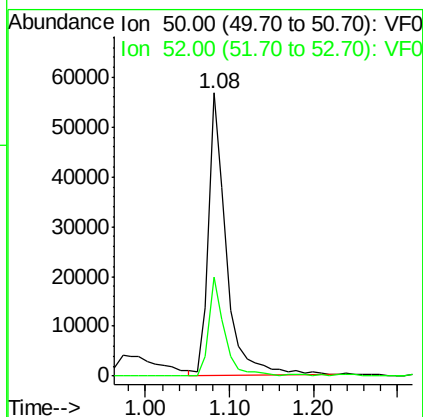
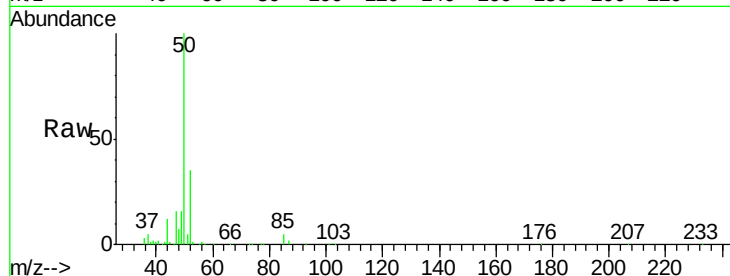
52 35.0 26.7 40.1

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#4

Vinyl Chloride

Concen: 44.16 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059308.D

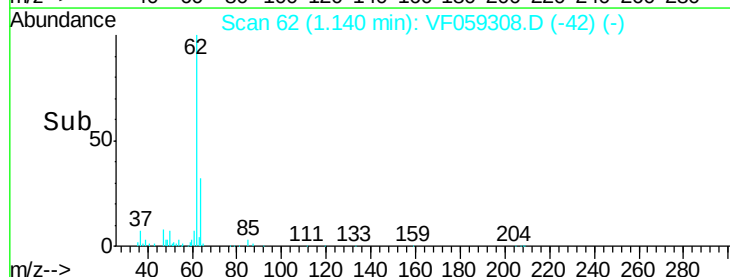
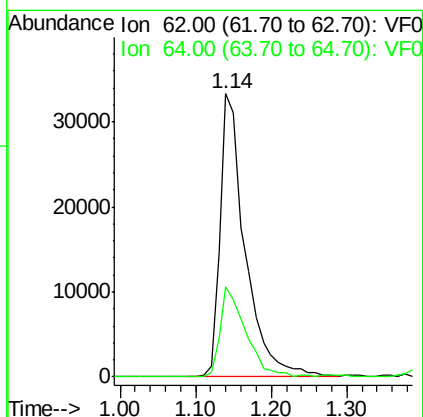
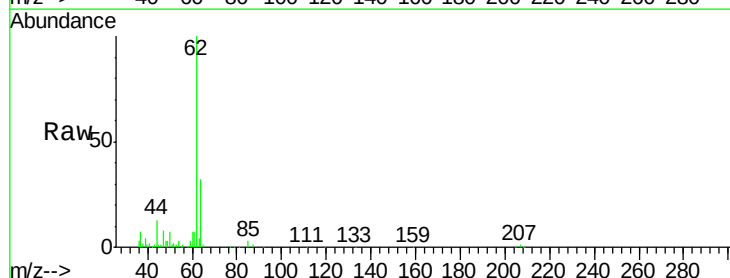
Acq: 25 Jun 2018 18:05

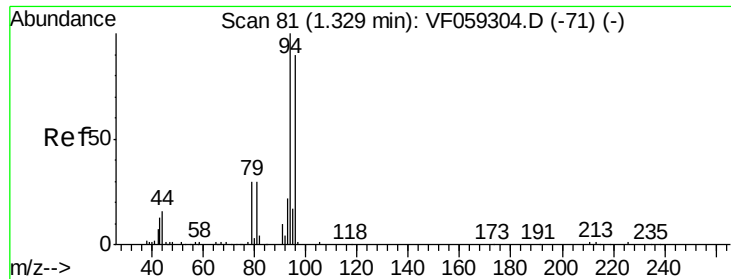
Tgt Ion: 62 Resp: 77395

Ion Ratio Lower Upper

62 100

64 32.0 26.3 39.5





#5

Bromomethane

Concen: 56.18 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 94 Resp: 54866

Ion Ratio Lower Upper

94 100

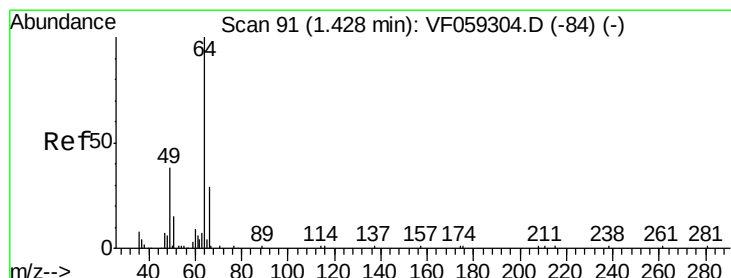
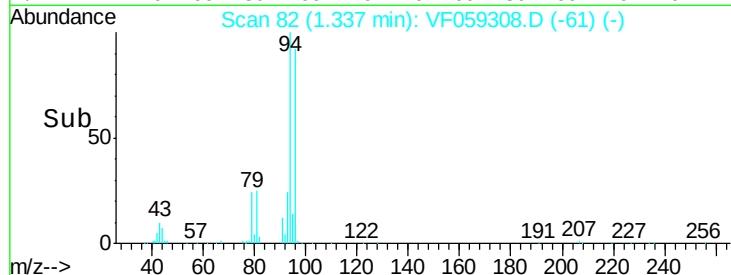
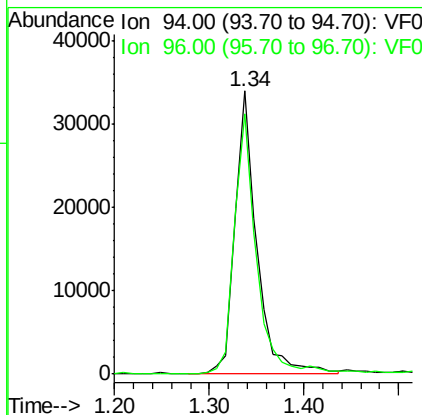
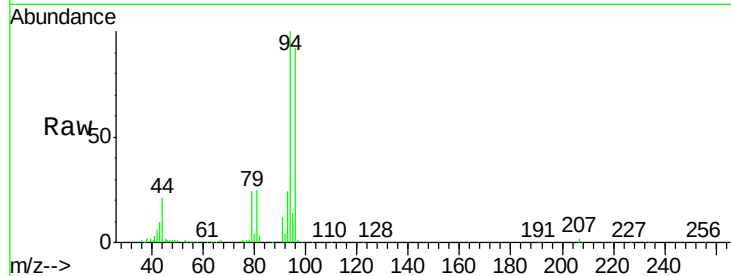
96 91.8 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 46.08 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059308.D

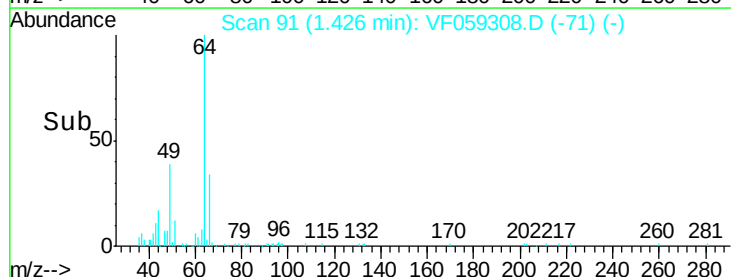
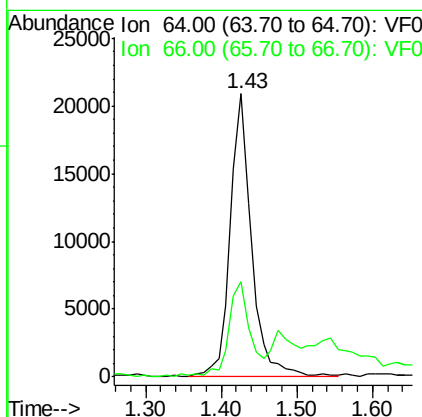
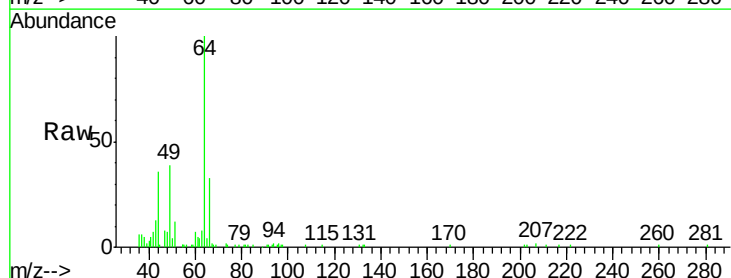
Acq: 25 Jun 2018 18:05

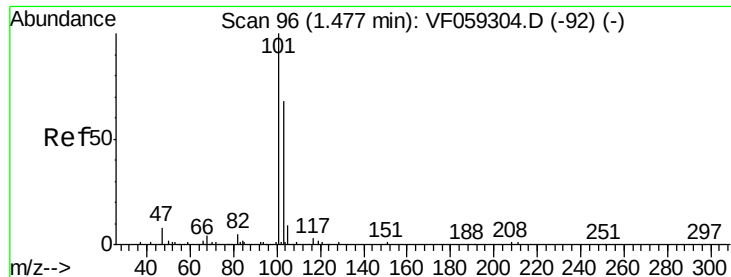
Tgt Ion: 64 Resp: 40675

Ion Ratio Lower Upper

64 100

66 33.5 23.9 35.9





#7

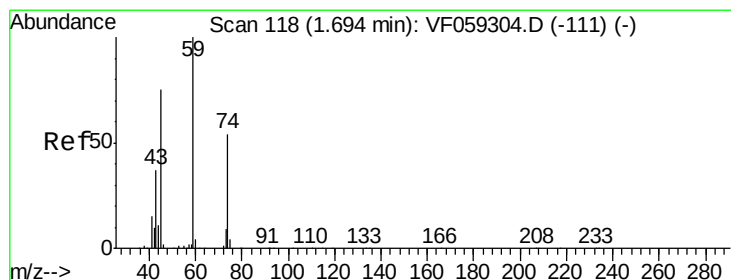
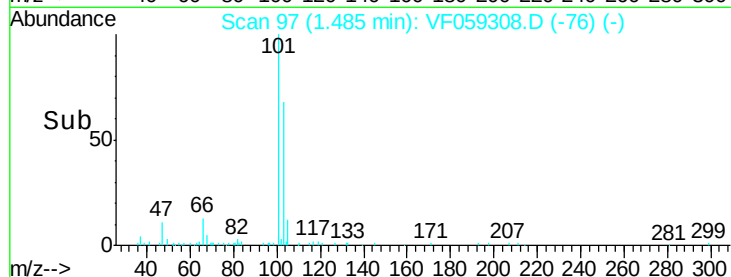
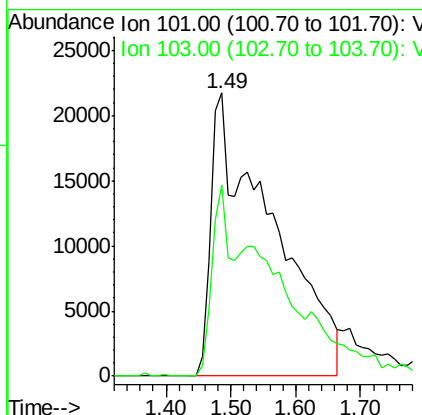
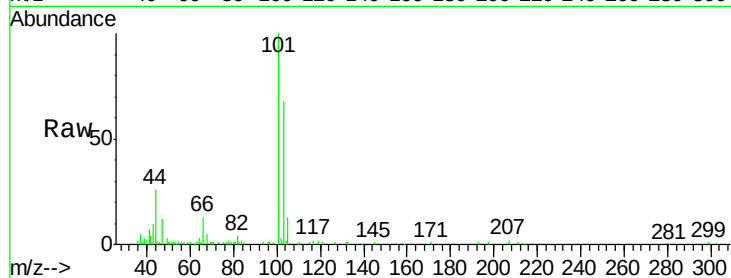
Trichlorofluoromethane
 Concen: 40.38 ug/l m
 RT: 1.49 min Scan# 97
 Delta R.T. 0.01 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Instrument :
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 ClientSampleId :
 ICVVF062518

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	54.2	81.2

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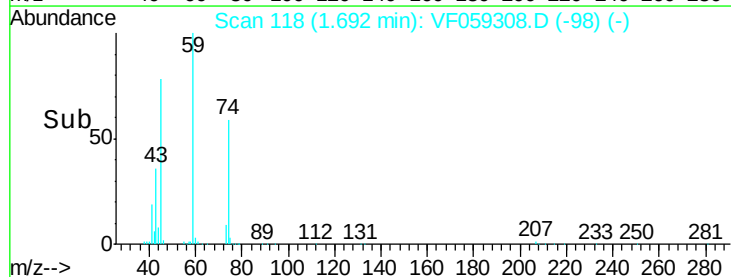
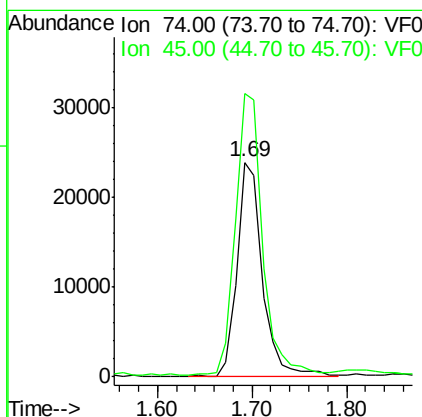
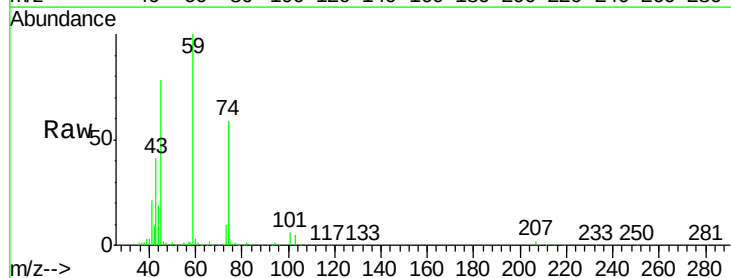
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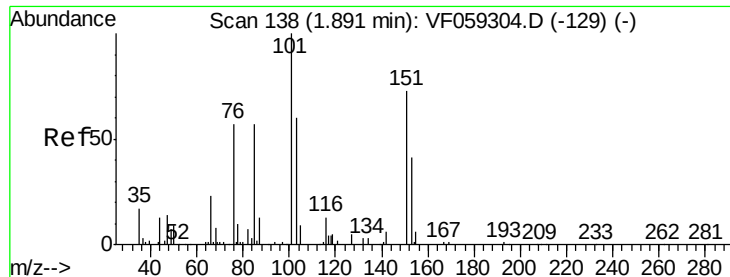


#8

Diethyl Ether
 Concen: 50.56 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.0	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.08 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

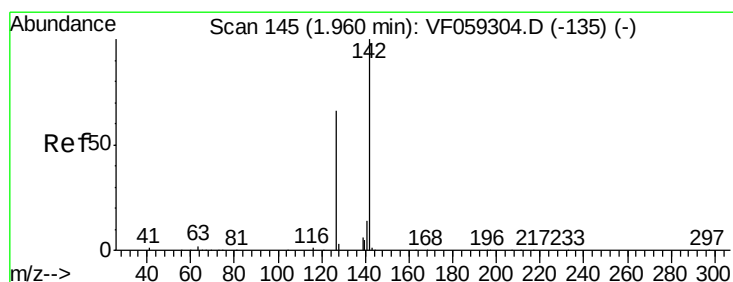
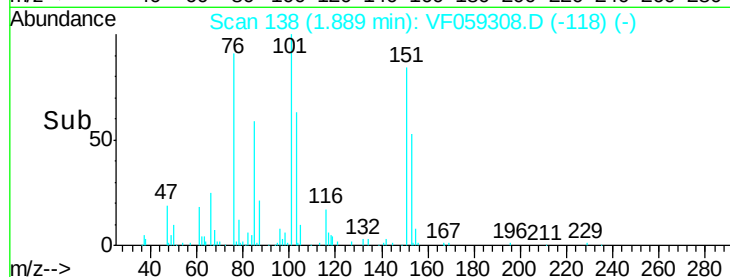
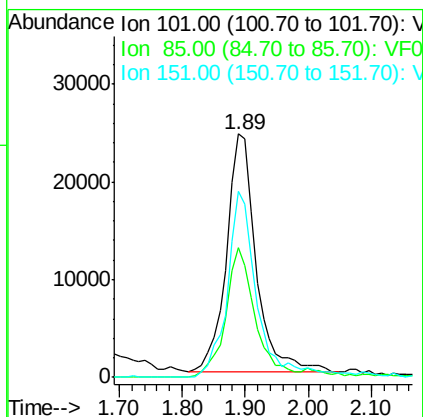
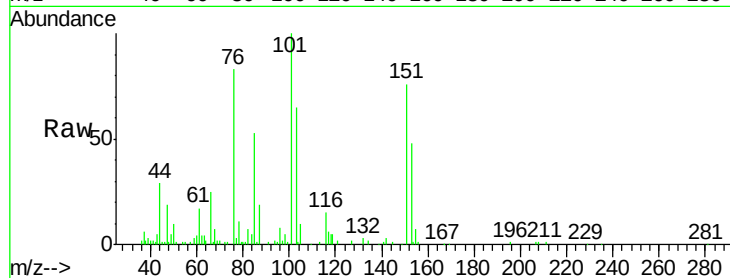
ClientSampleId :

ICVVF062518

Tot Ion:	101	Resp:	79059
Ion Ratio	Lower	Upper	
101	100		
85	53.1	44.5	66.7
151	76.3	56.8	85.2

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#10

Methyl Iodide

Concen: 47.87 ug/l

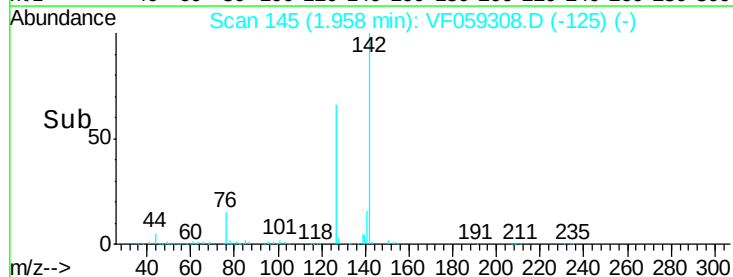
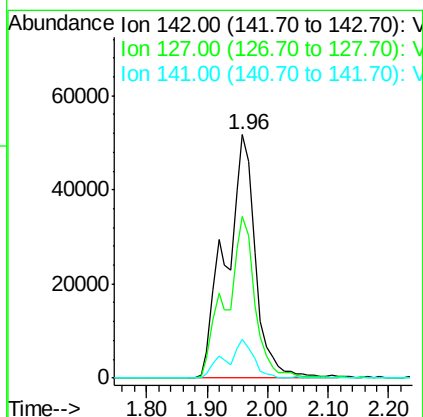
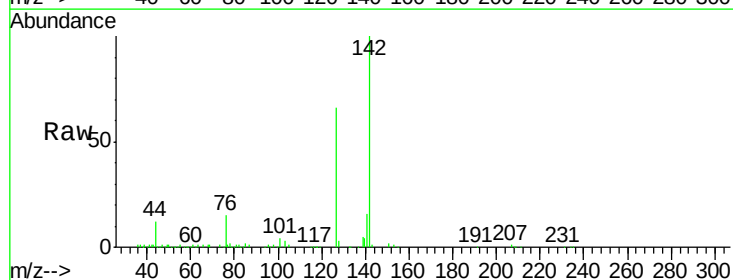
RT: 1.96 min Scan# 145

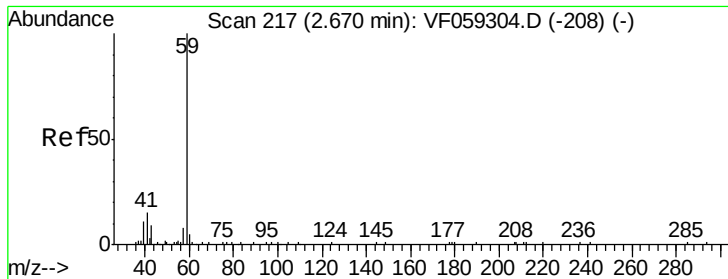
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	142	Resp:	176592
Ion Ratio	Lower	Upper	
142	100		
127	66.2	52.5	78.7
141	15.8	11.5	17.3





#11

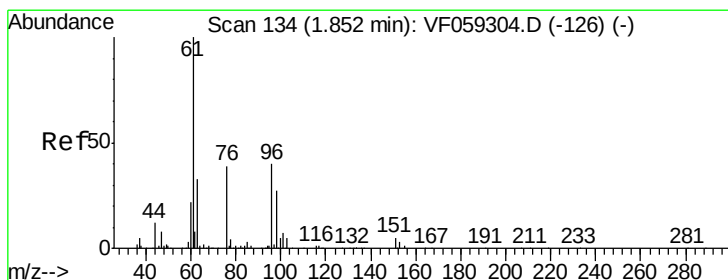
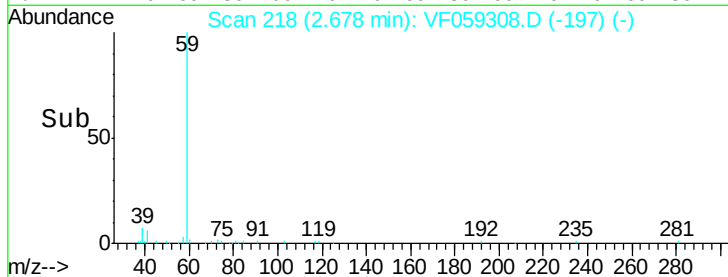
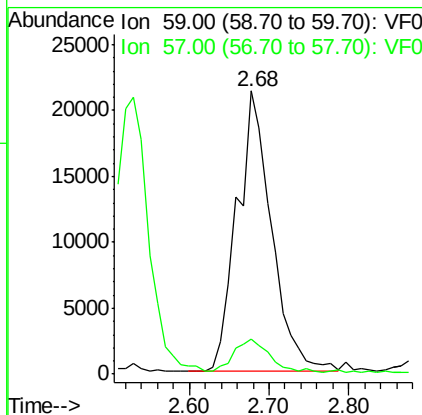
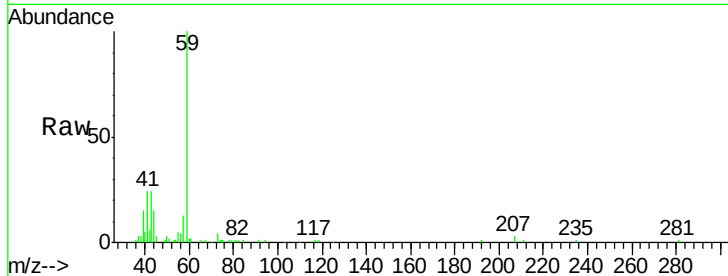
Tert butyl alcohol
 Concen: 256.42 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV062518

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.6	11.0	16.4

Manual Integrations
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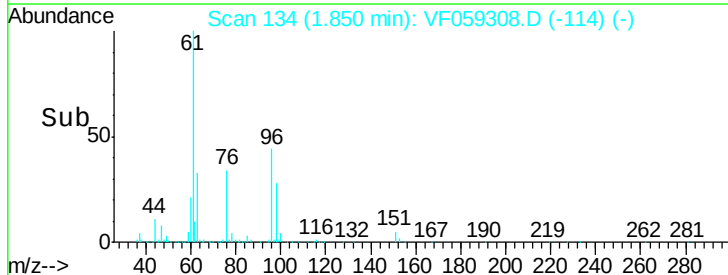
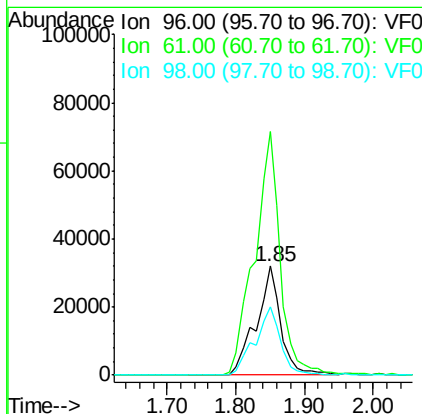
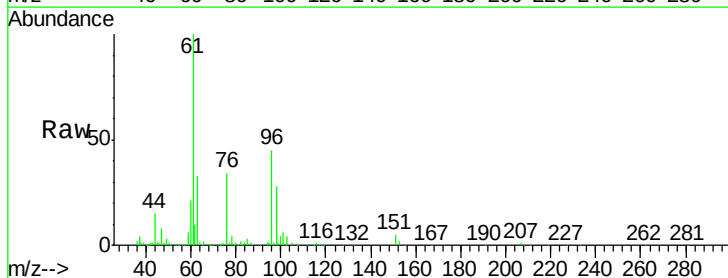
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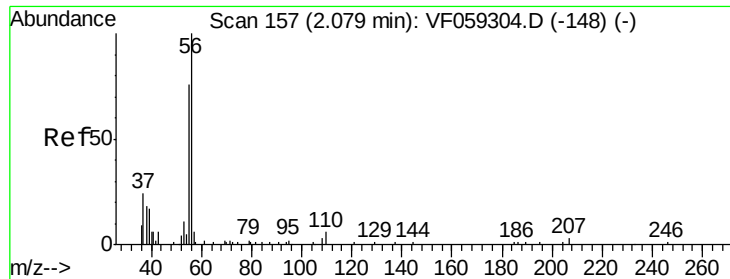


#12

1,1-Dichloroethene
 Concen: 47.25 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.4	201.1	301.7
98	63.0	53.9	80.9





#13

Acrolein

Concen: 261.82 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 56 Resp: 31042

Ion Ratio Lower Upper

56 100

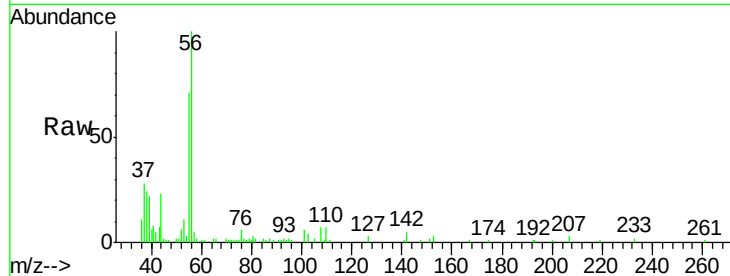
55 70.9 62.4 93.6

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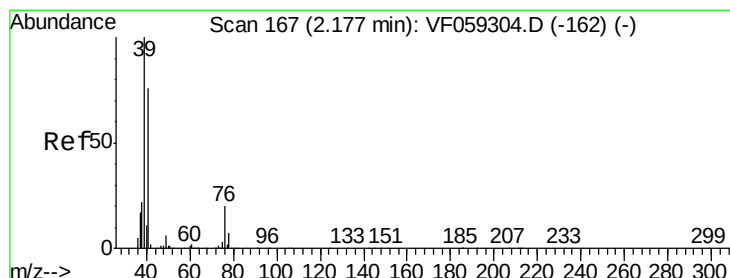
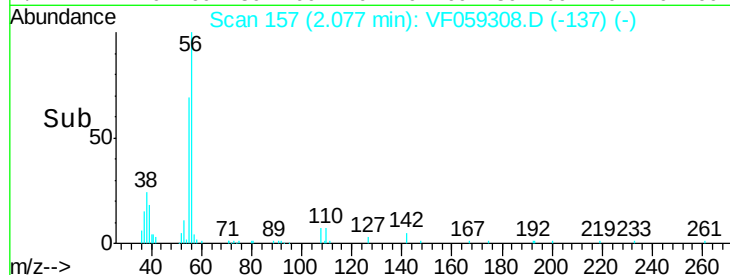
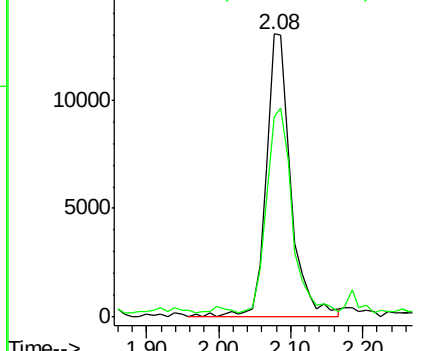
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 50.05 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

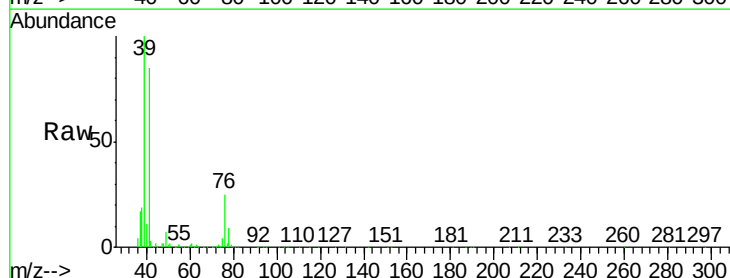
Tgt Ion: 41 Resp: 160673

Ion Ratio Lower Upper

41 100

39 117.5 105.6 158.4

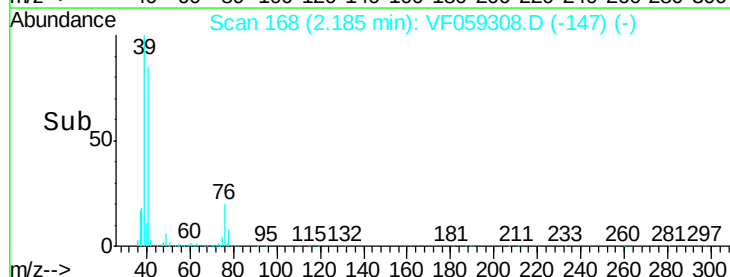
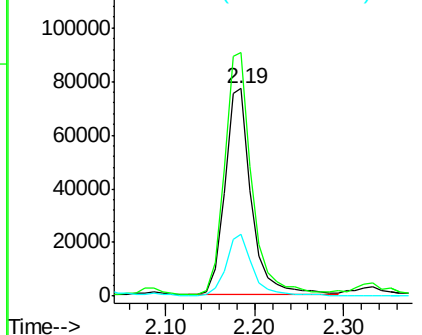
76 29.8 21.6 32.4

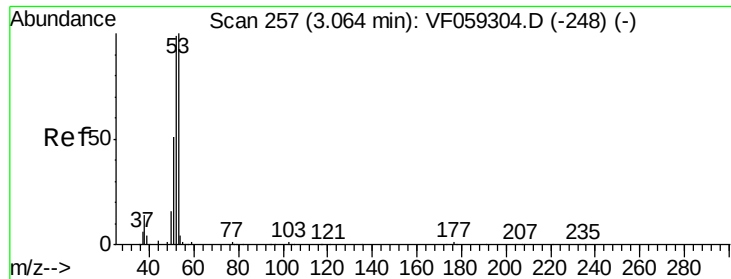


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 311.13 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

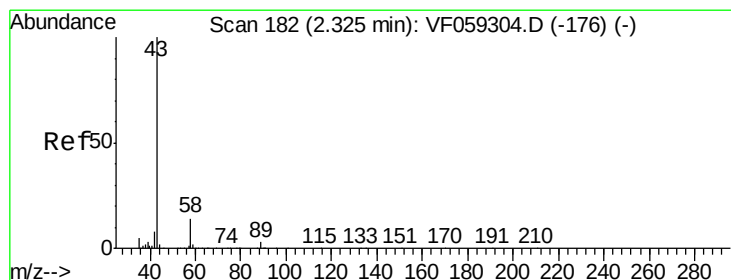
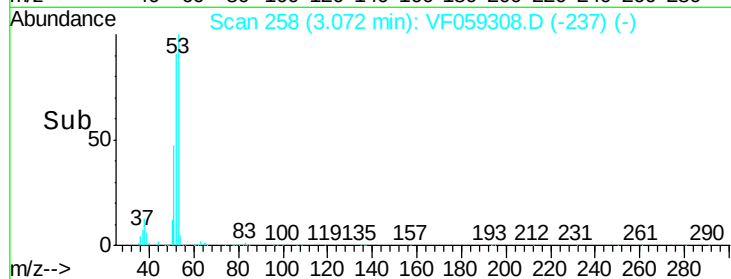
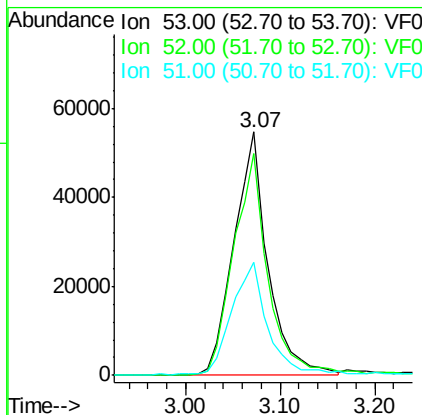
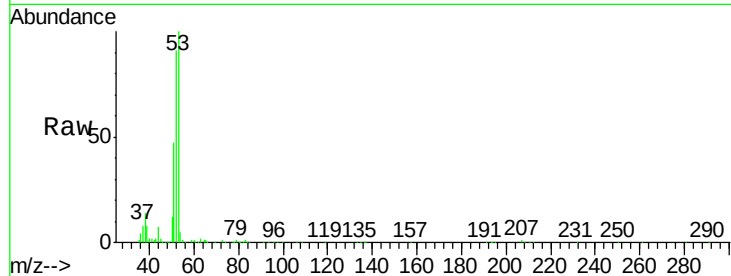
ClientSampleId :

ICVVF062518

Tot Ion:	53	Resp:	136710
Ion	Ratio	Lower	Upper
53	100		
52	90.9	79.2	118.8
51	46.5	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 259.84 ug/l

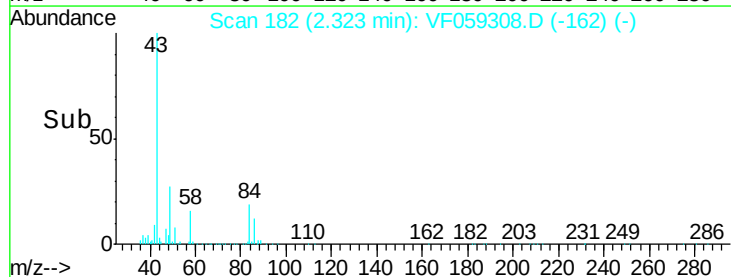
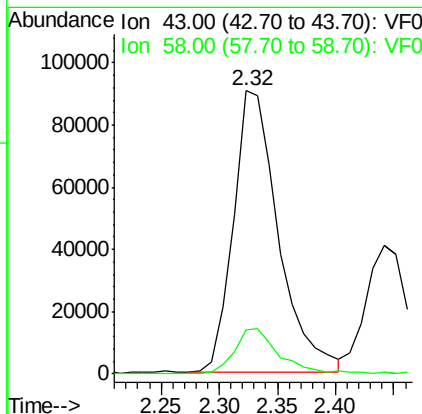
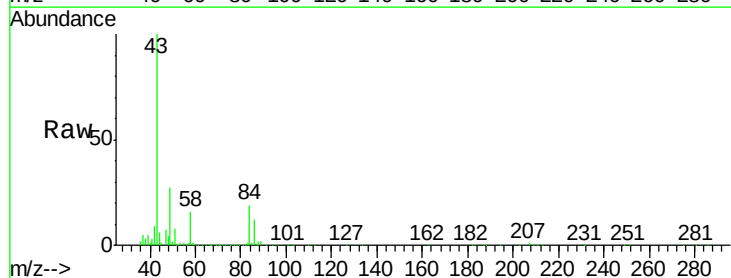
RT: 2.32 min Scan# 182

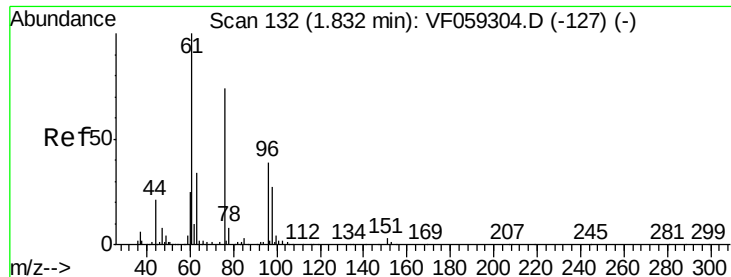
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	43	Resp:	242848
Ion	Ratio	Lower	Upper
43	100		
58	15.7	11.4	17.0





#17

Carbon Disulfide

Concen: 45.88 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 76 Resp: 184584

Ion Ratio Lower Upper

76 100

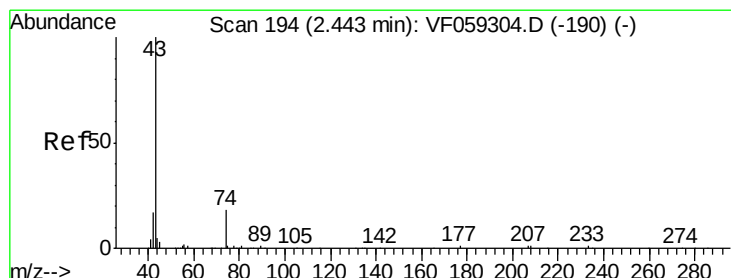
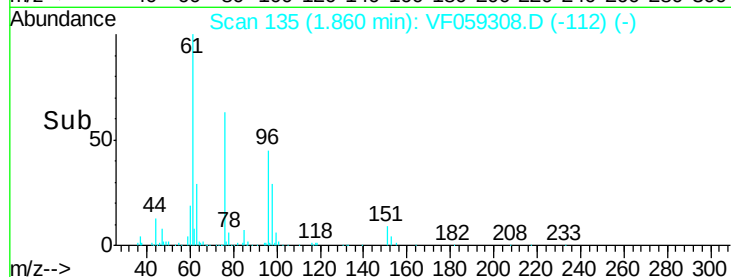
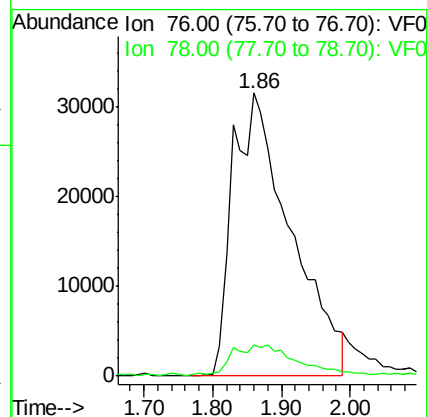
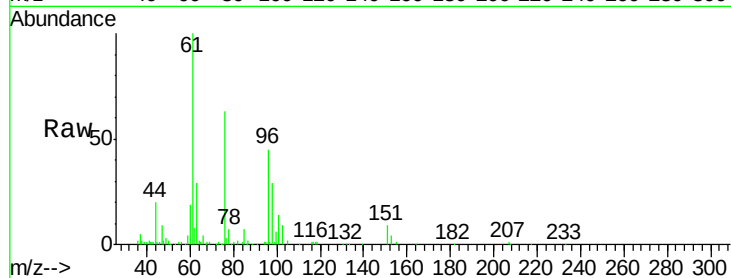
78 10.8 8.9 13.3

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#18

Methyl Acetate

Concen: 58.16 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059308.D

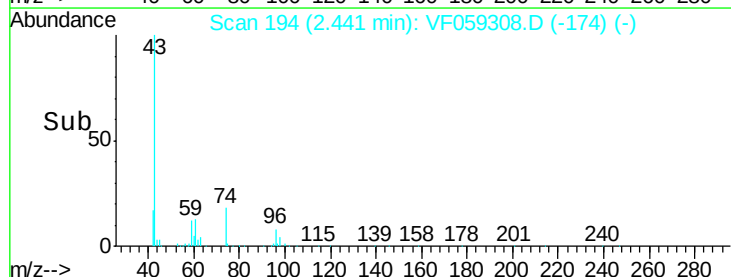
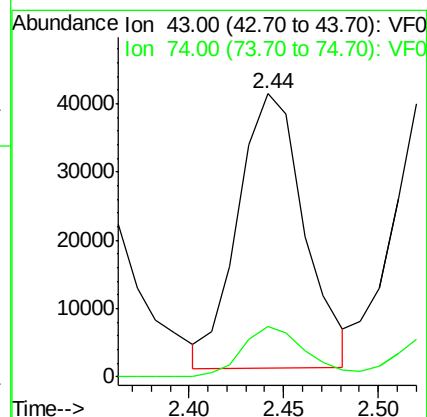
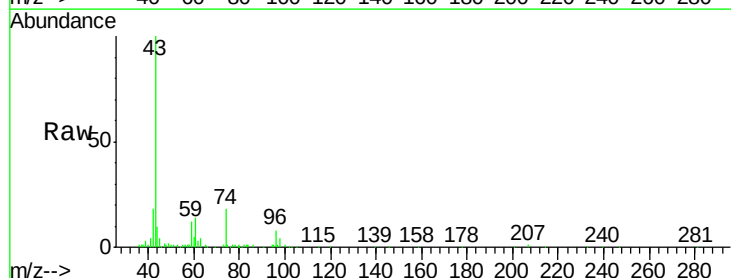
Acq: 25 Jun 2018 18:05

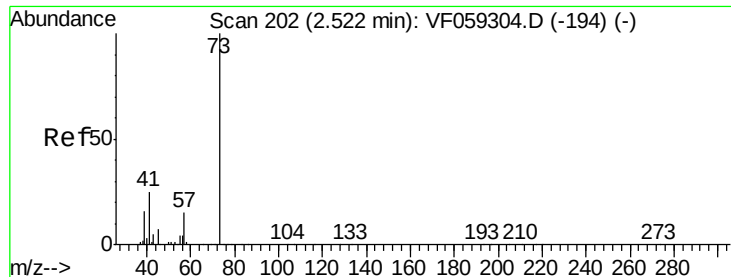
Tgt Ion: 43 Resp: 98060

Ion Ratio Lower Upper

43 100

74 17.8 13.3 19.9





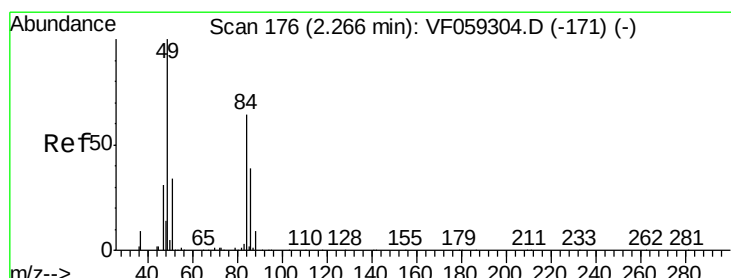
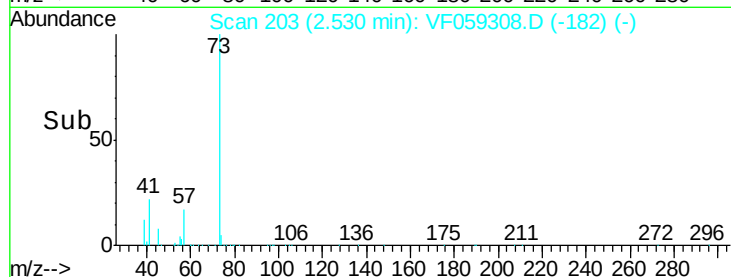
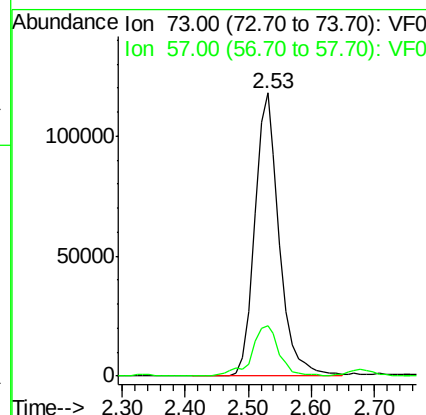
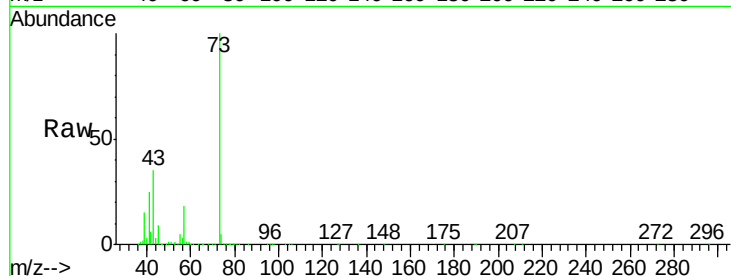
#19
Methyl tert-butyl Ether
Concen: 49.62 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	12.3	18.5

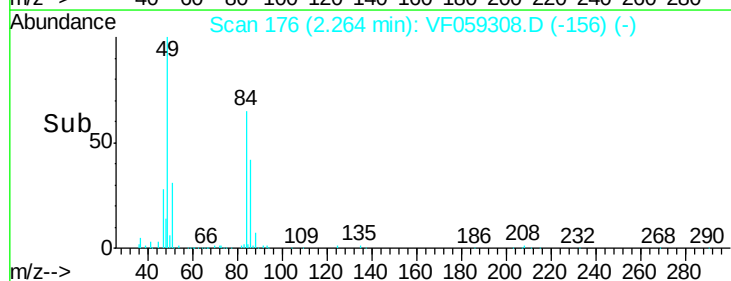
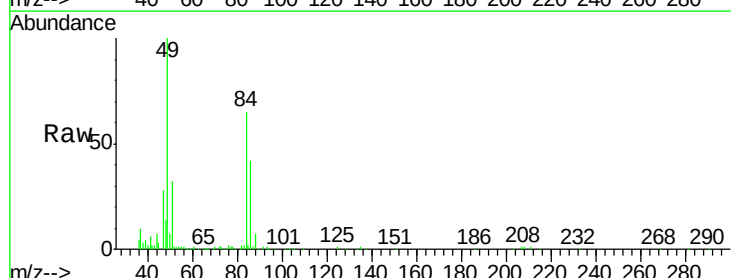
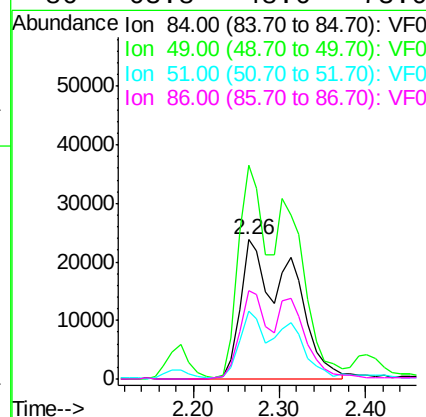
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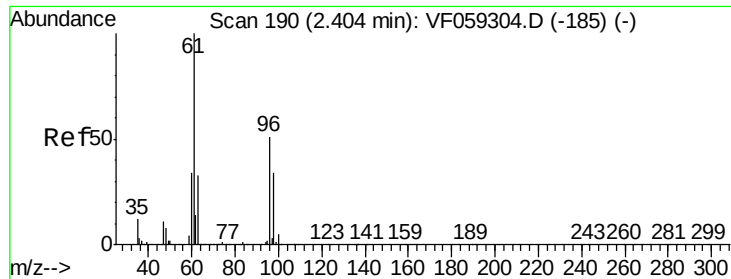
apatel
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#20
Methylene Chloride
Concen: 45.71 ug/l m
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.2	126.5	189.7
51	48.6	42.9	64.3
86	63.8	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 50.02 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

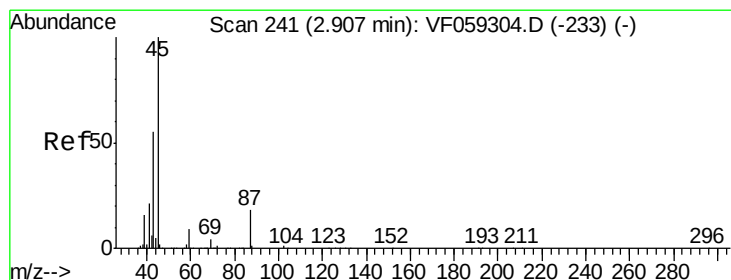
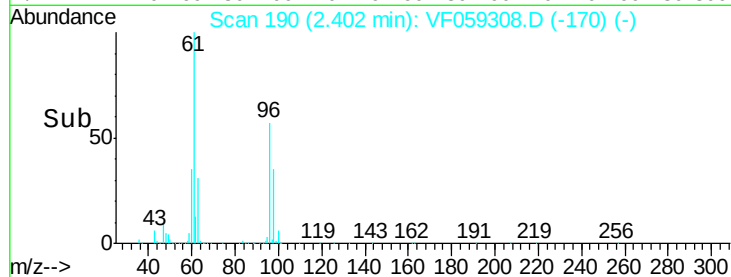
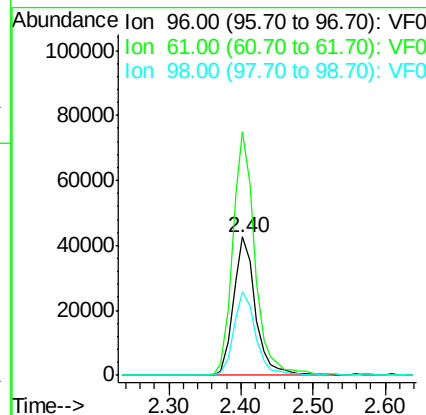
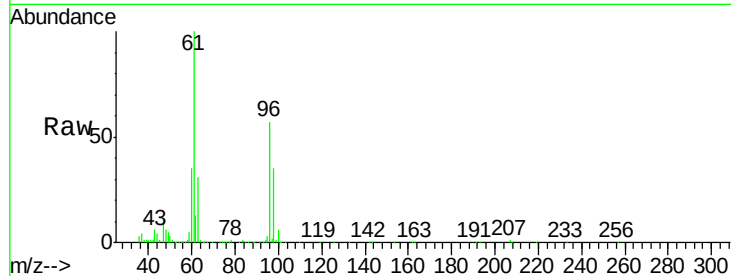
ClientSampleId :

ICVVF062518

Tot Ion:	96	Resp:	91259
Ion	Ratio	Lower	Upper
96	100		
61	175.9	157.4	236.2
98	60.7	53.7	80.5

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#22

Diisopropyl ether

Concen: 52.79 ug/l

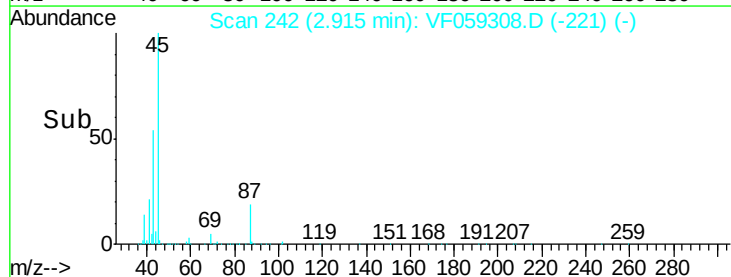
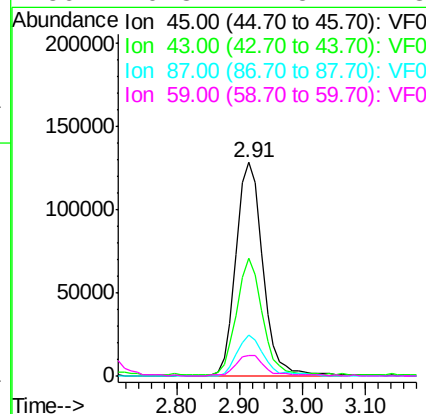
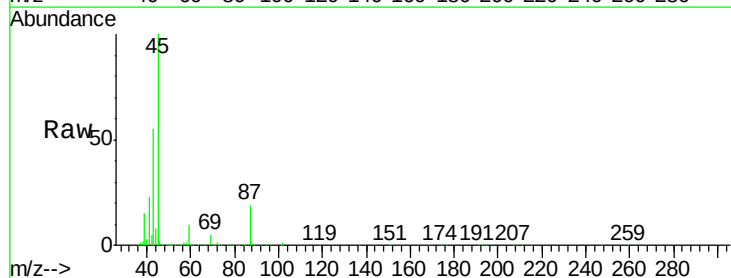
RT: 2.91 min Scan# 242

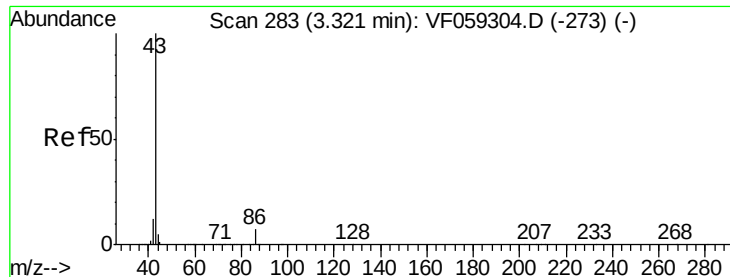
Delta R.T. 0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	45	Resp:	375287
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.6	66.8
87	19.0	14.3	21.5
59	9.8	7.5	11.3





#23

Vinyl Acetate

Concen: 277.70 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 43 Resp: 1257356

Ion Ratio Lower Upper

43 100

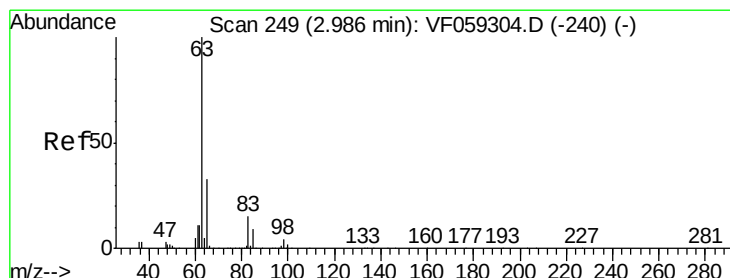
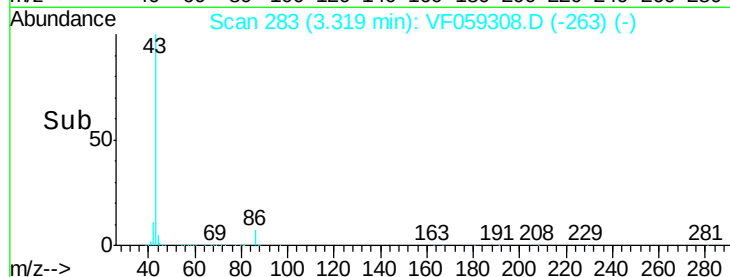
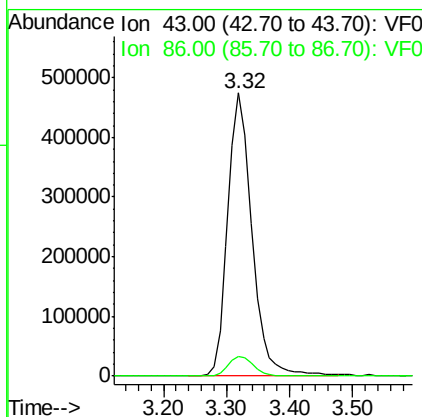
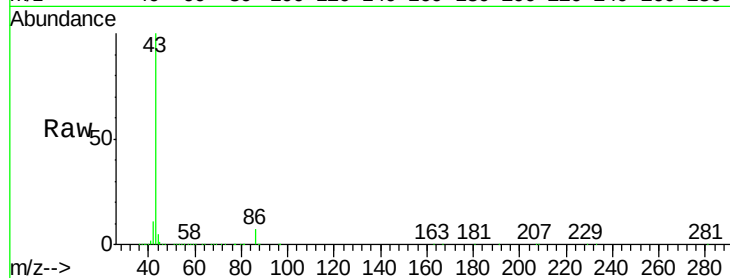
86 7.1 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 47.80 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

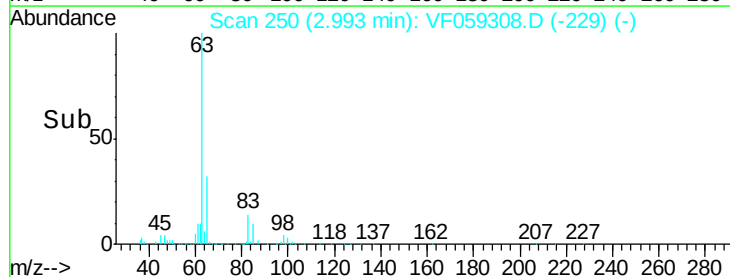
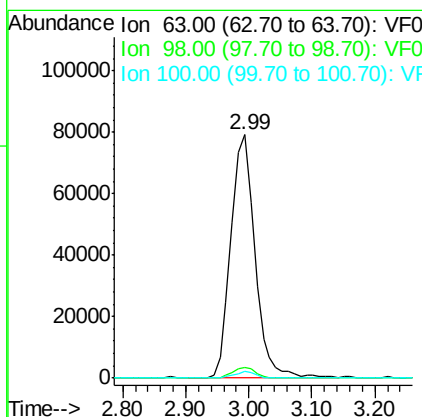
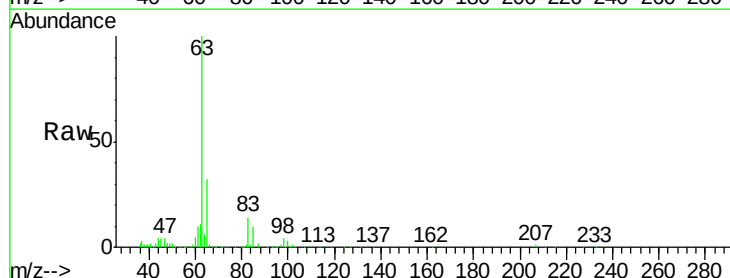
Tgt Ion: 63 Resp: 210705

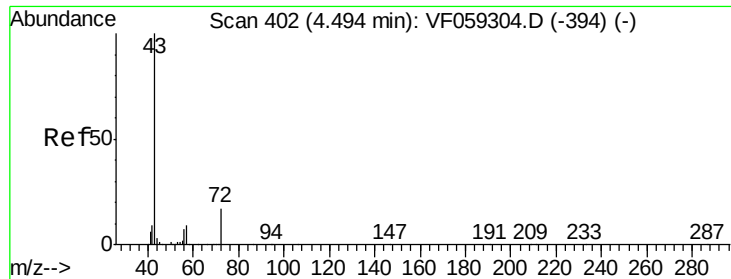
Ion Ratio Lower Upper

63 100

98 4.4 2.0 6.0

100 2.8 1.3 3.9





#25

2-Butanone

Concen: 284.99 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 43 Resp: 322686

Ion Ratio Lower Upper

43 100

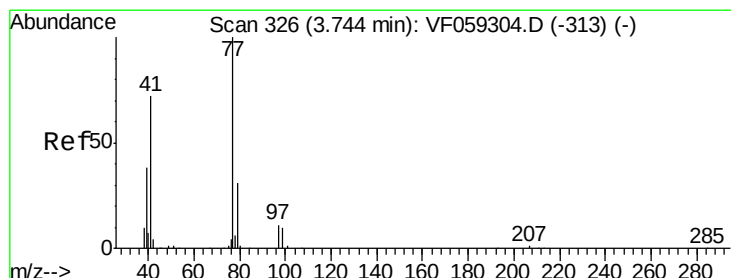
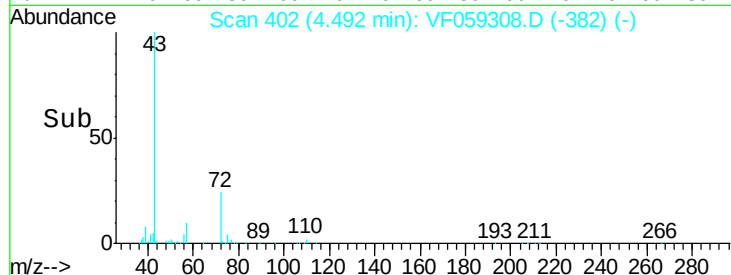
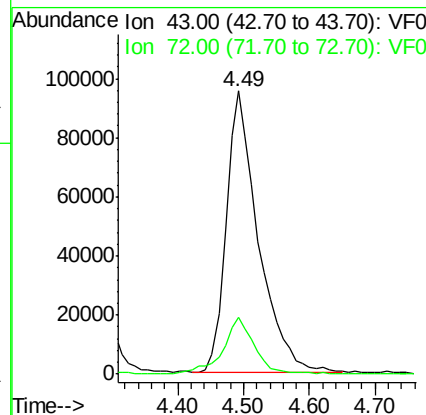
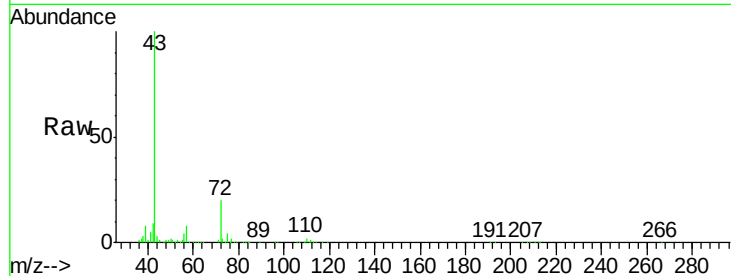
72 20.1 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.19 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059308.D

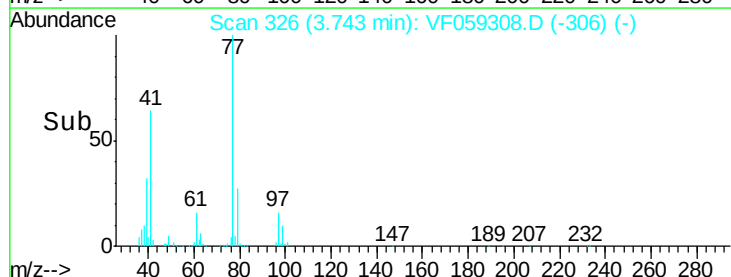
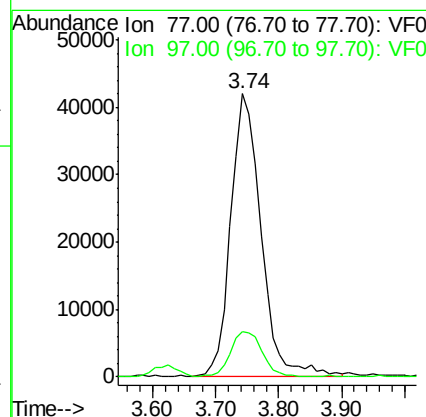
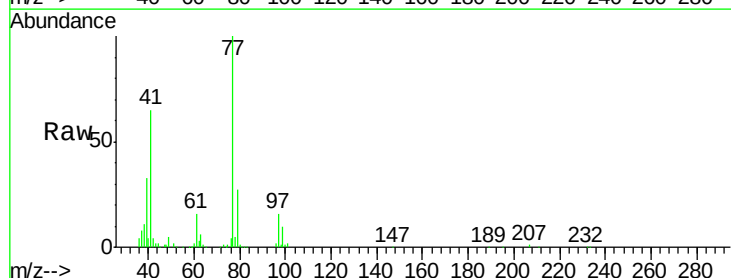
Acq: 25 Jun 2018 18:05

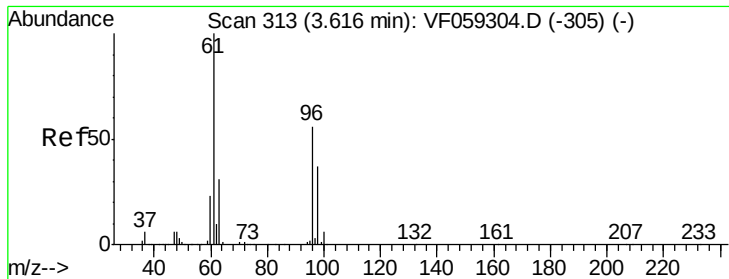
Tgt Ion: 77 Resp: 140445

Ion Ratio Lower Upper

77 100

97 15.9 8.0 23.8





#27

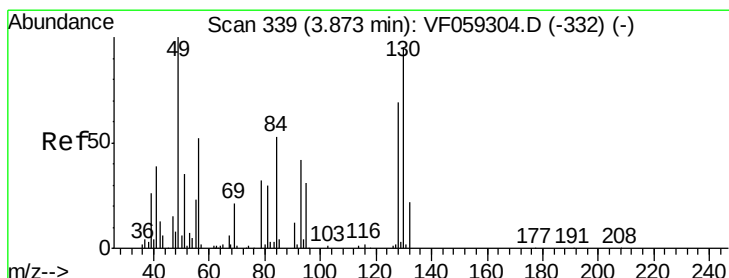
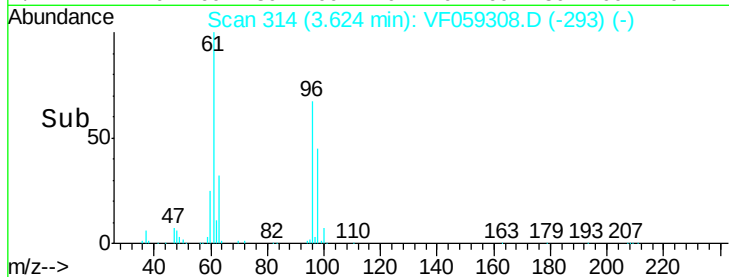
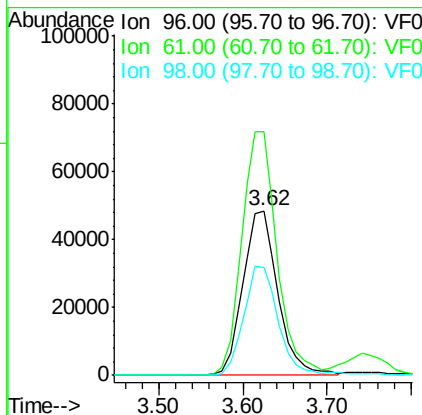
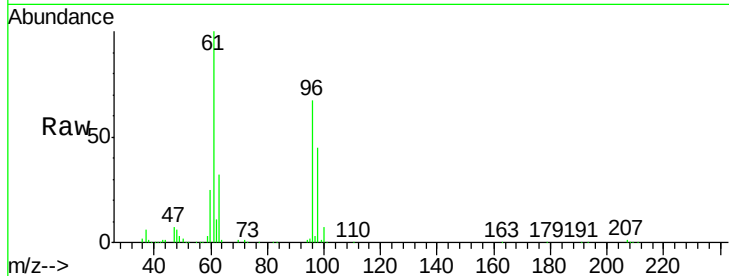
cis-1,2-Dichloroethene
Concen: 51.02 ug/l
RT: 3.62 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Resp	Lower	Upper
96	100	141323		
61	148.2	0.0	355.4	
98	66.1	0.0	131.0	

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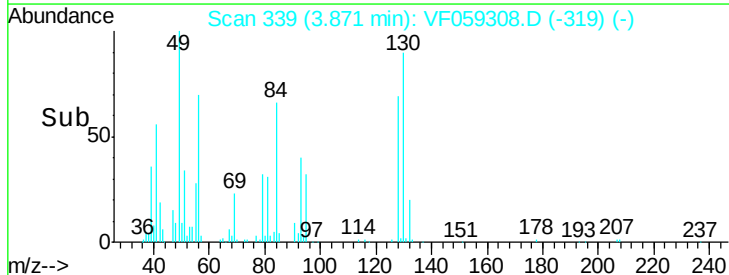
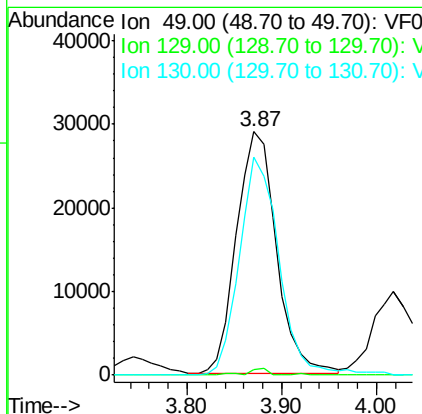
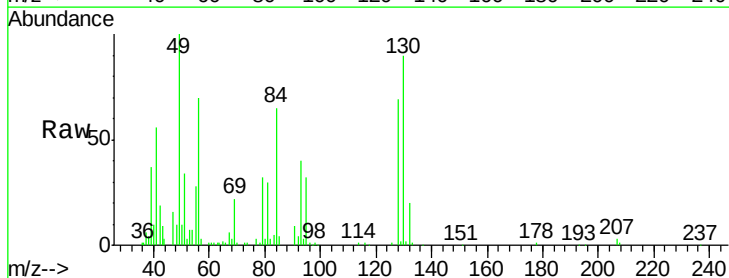
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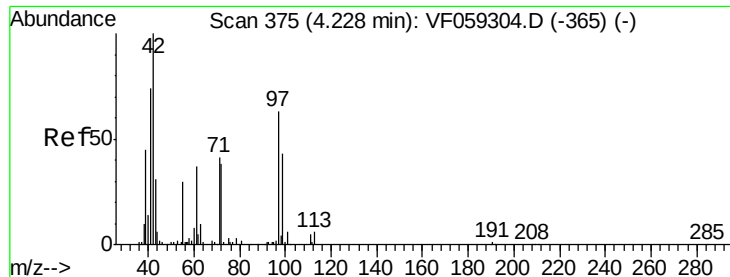


#28

Bromochloromethane
Concen: 50.25 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85019		
129	2.5	0.0	6.4	
130	91.5	75.1	112.7	





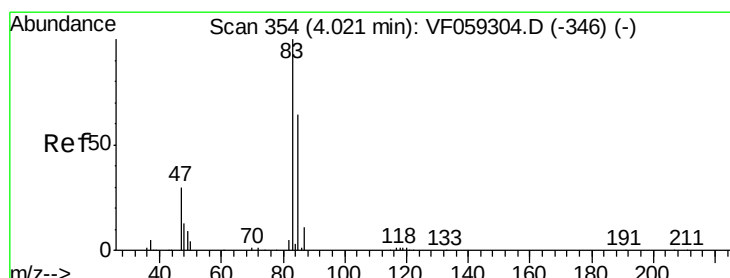
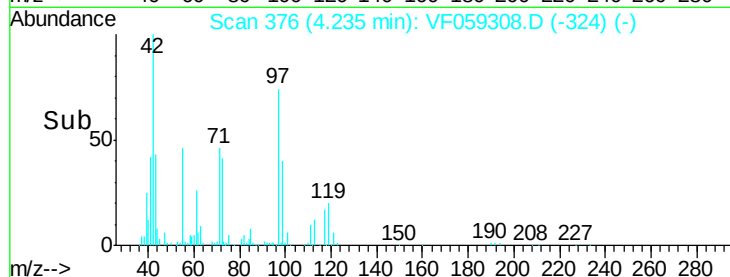
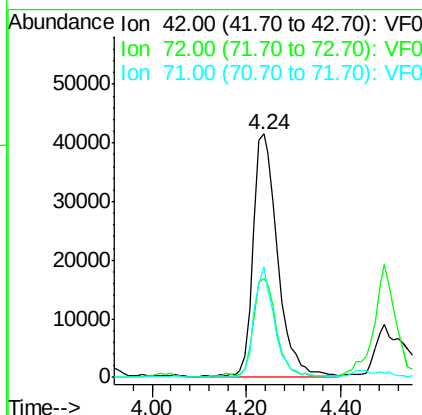
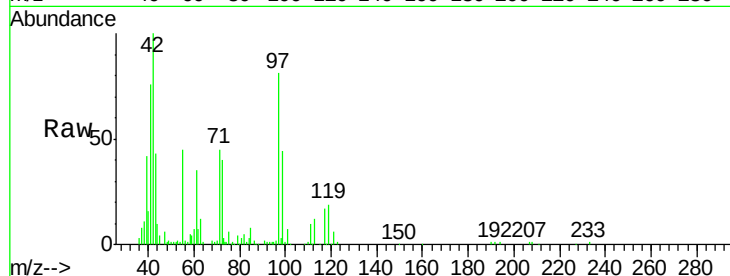
#29
Tetrahydrofuran
Concen: 316.42 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.5	45.7
71	37.8	32.5	48.7

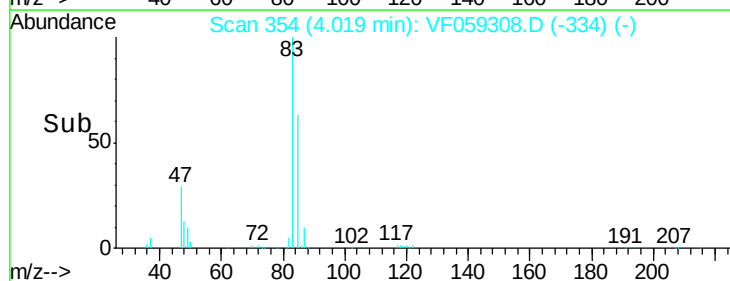
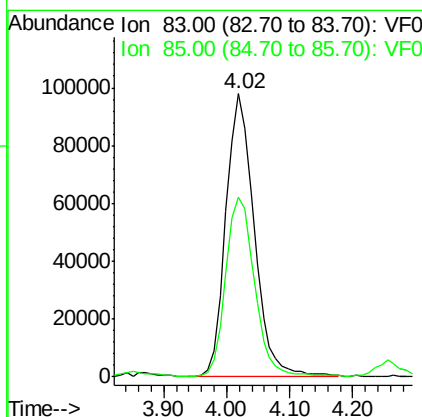
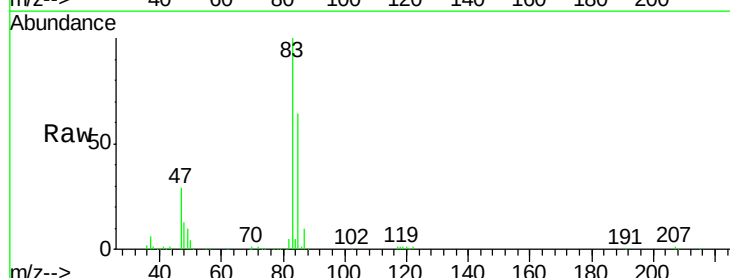
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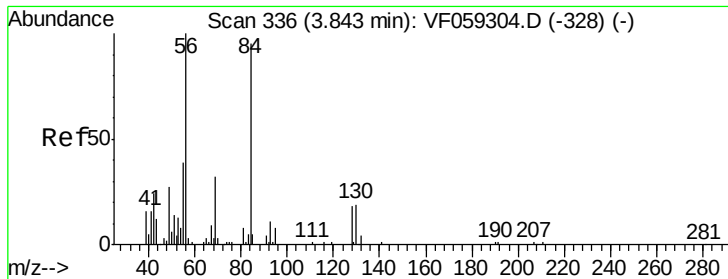
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#30
Chloroform
Concen: 48.03 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.3	76.9





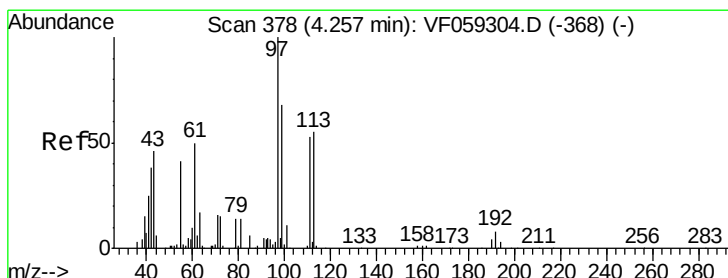
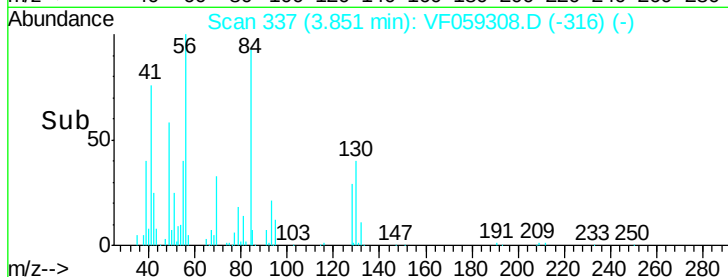
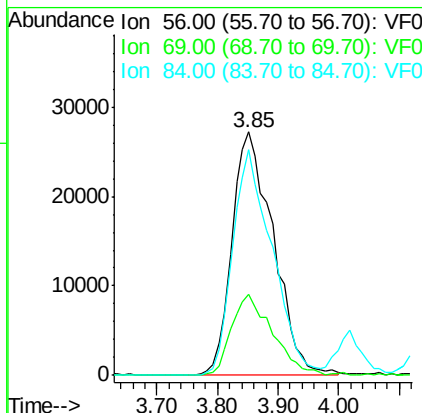
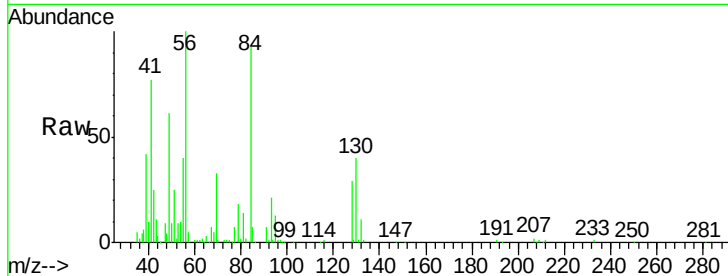
#31
Cyclohexane
Concen: 44.46 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.8	38.8
84	92.5	75.6	113.4

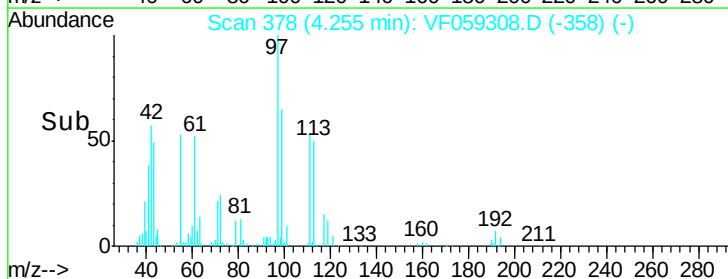
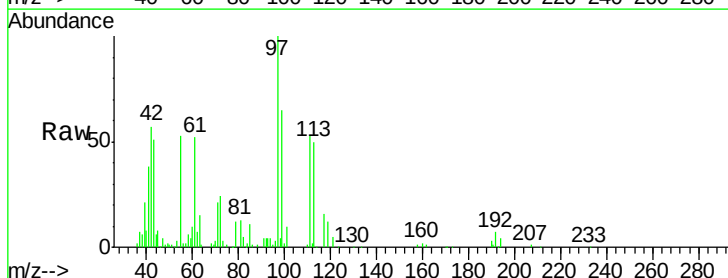
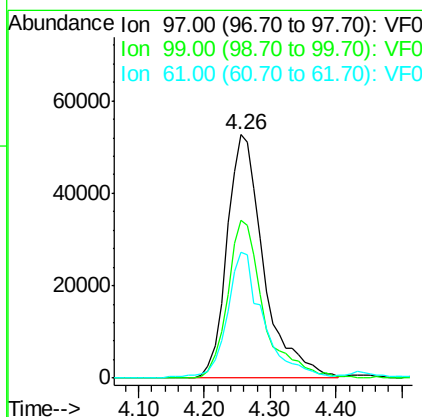
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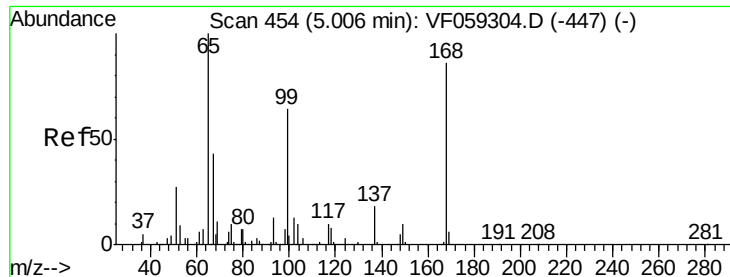
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#32
1,1,1-Trichloroethane
Concen: 44.09 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	54.1	81.1
61	52.0	41.2	61.8





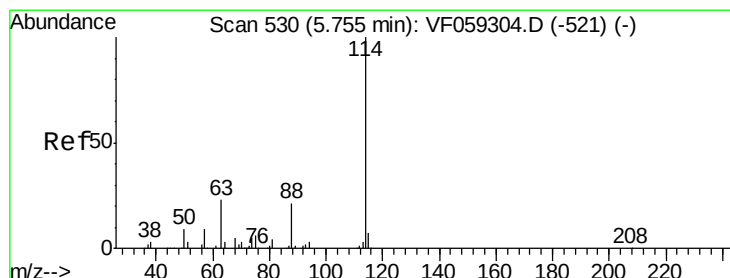
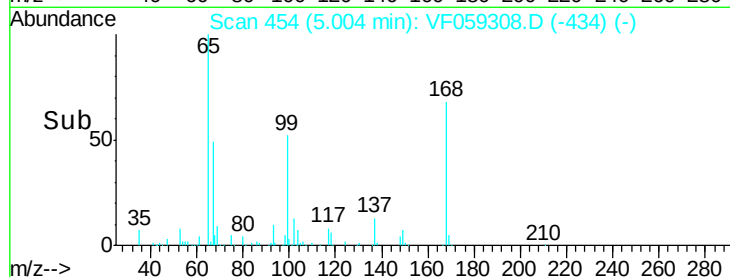
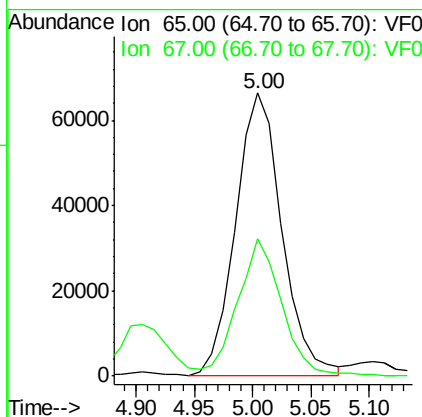
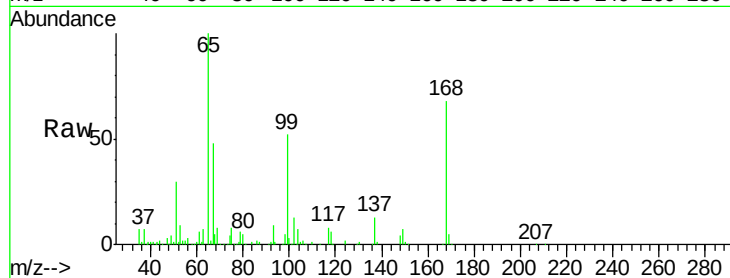
#33
 1,2-Dichloroethane-d4
 Concen: 48.66 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062518

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	96.8

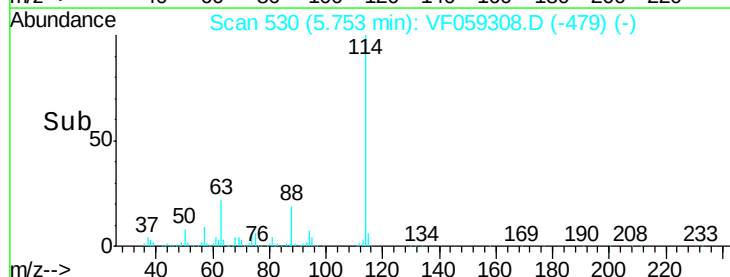
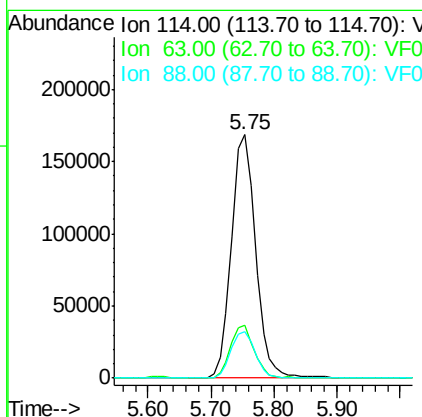
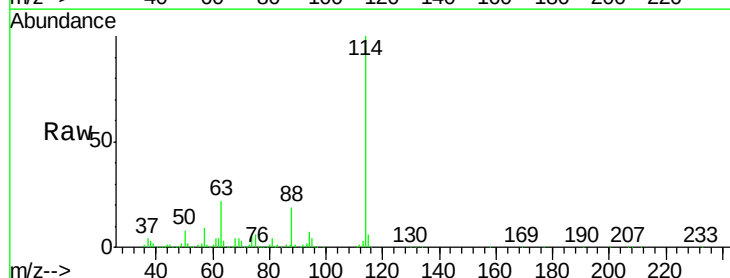
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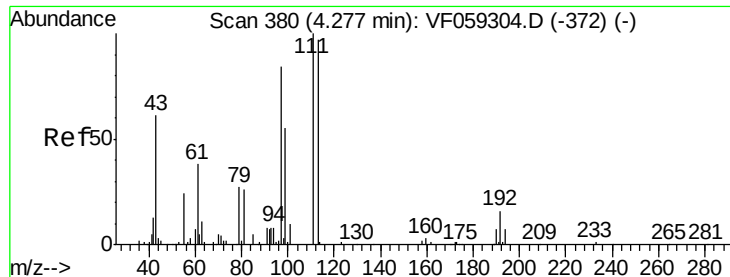
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	45.8
88	19.3	0.0	41.2





#35

Dibromofluoromethane

Concen: 48.28 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

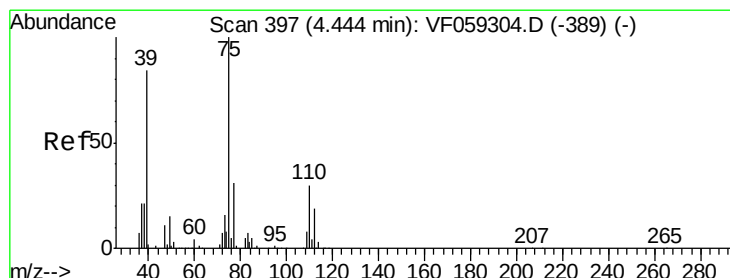
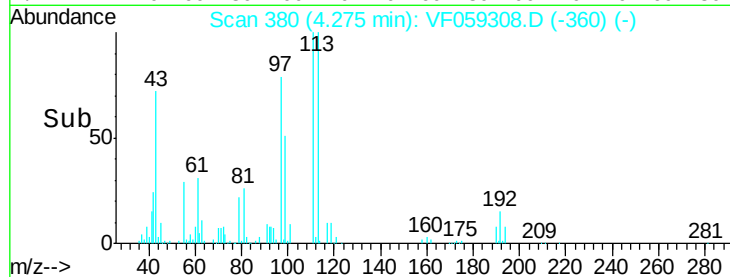
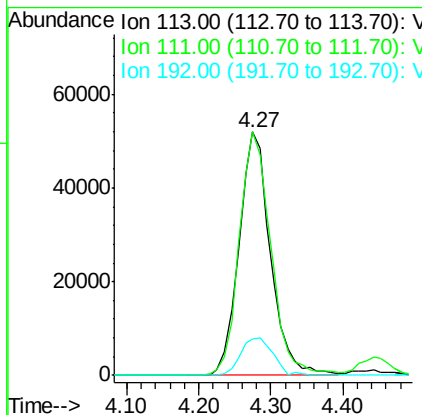
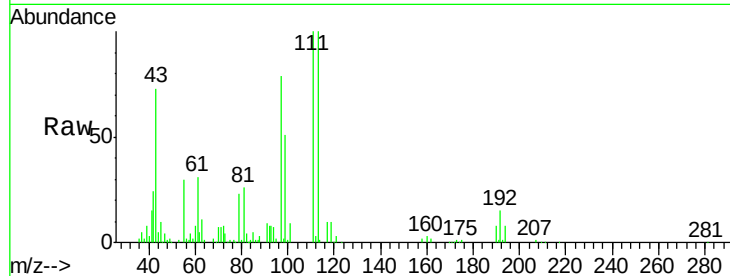
ClientSampleId :

ICVVF062518

Tot Ion:	113	Resp:	158067
Ion Ratio	Lower	Upper	
113	100		
111	100.1	82.1	123.1
192	14.7	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 45.07 ug/l

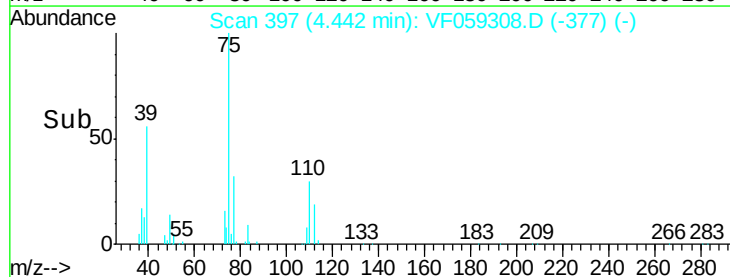
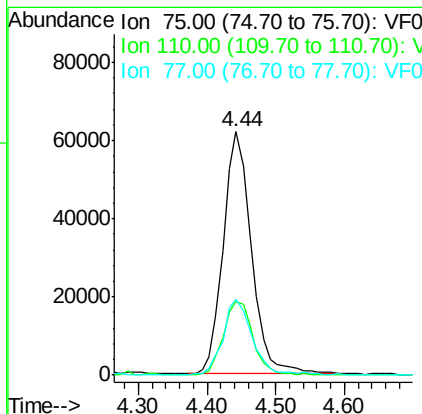
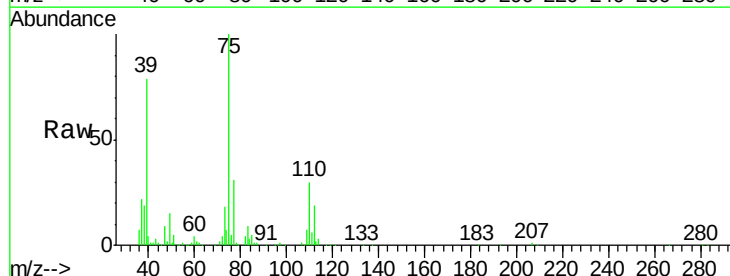
RT: 4.44 min Scan# 397

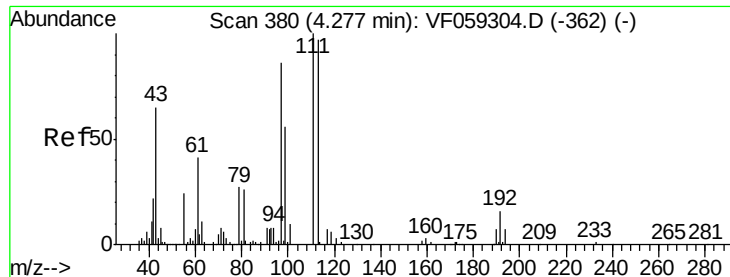
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	75	Resp:	176411
Ion Ratio	Lower	Upper	
75	100		
110	30.4	14.8	44.4
77	31.3	25.2	37.8





#37

Ethyl Acetate

Concen: 57.99 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

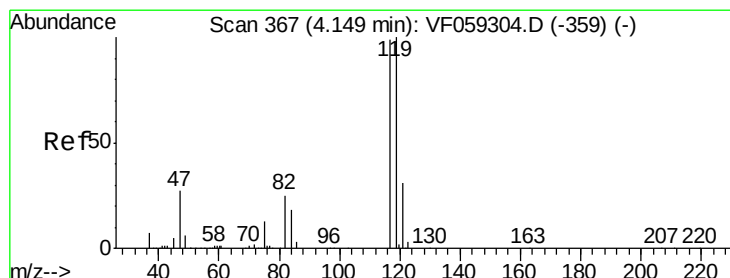
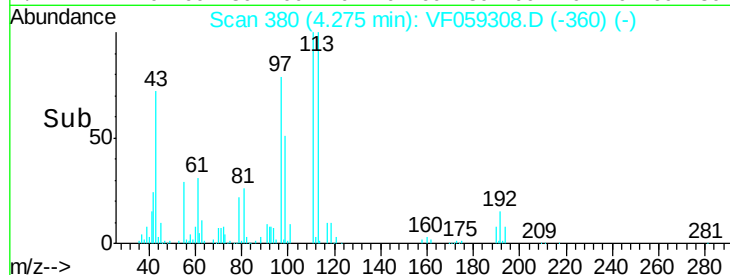
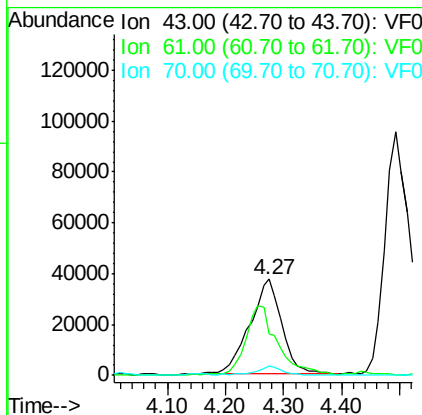
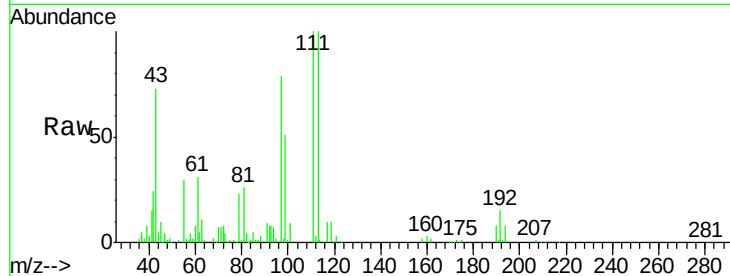
ICVVF062518

Tot Ion: 43 Resp: 144598

Ion	Ratio	Lower	Upper
43	100		
61	43.1	50.1	75.1#
70	9.4	6.2	9.4#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 42.61 ug/l

RT: 4.16 min Scan# 368

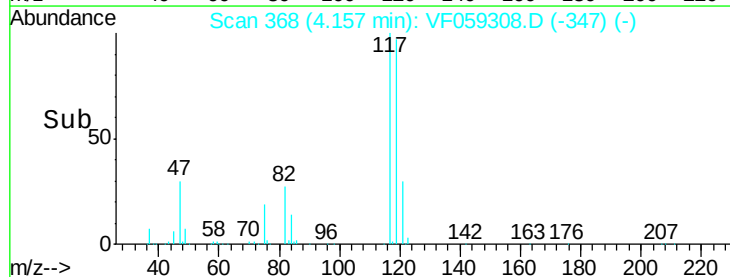
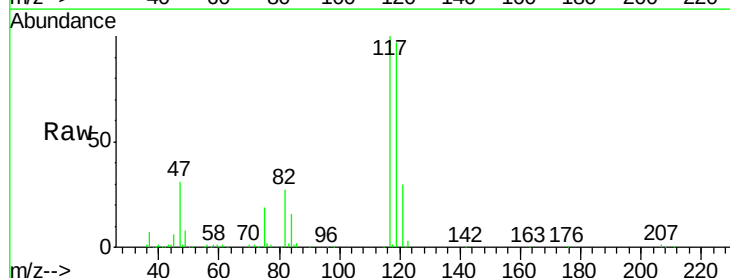
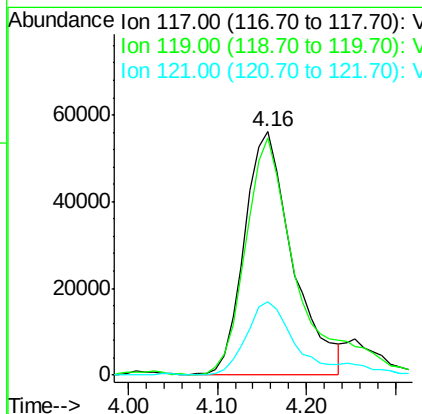
Delta R.T. 0.01 min

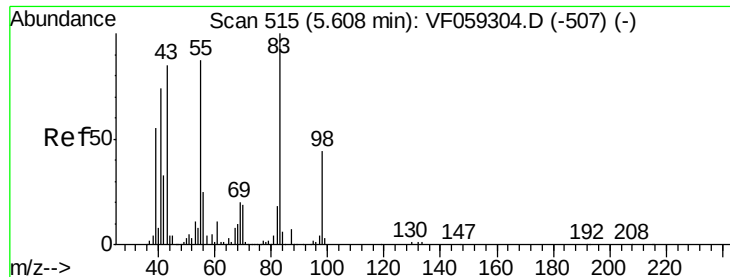
Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion: 117 Resp: 210458

Ion	Ratio	Lower	Upper
117	100		
119	97.4	81.0	121.4
121	30.0	24.7	37.1





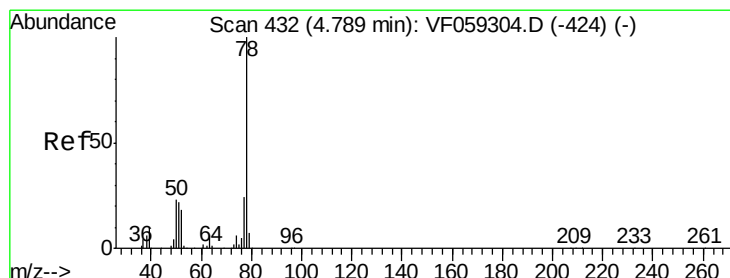
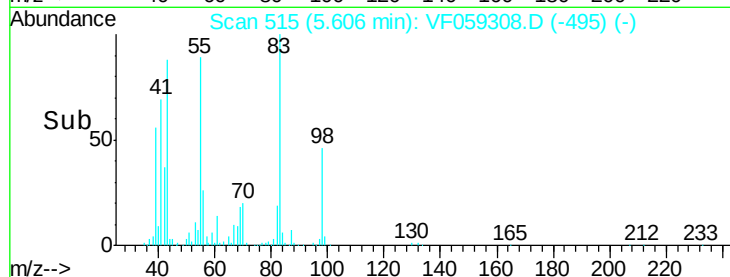
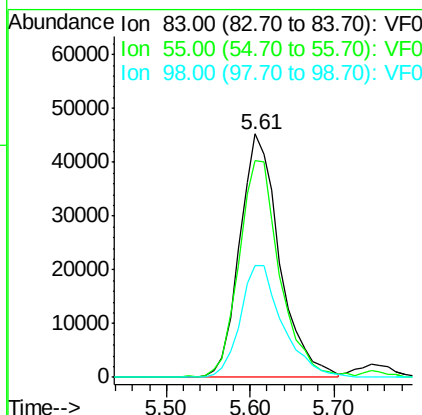
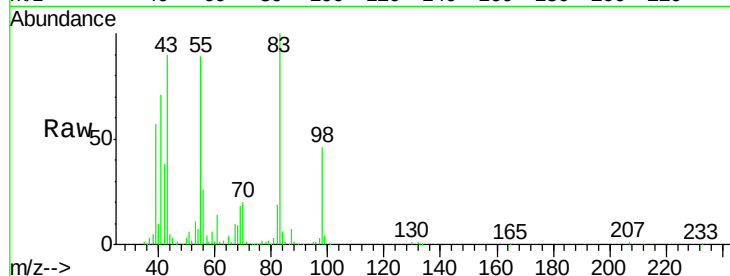
#39
Methylvlcyclohexane
Concen: 43.21 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	69.2	103.8
98	45.7	35.0	52.6

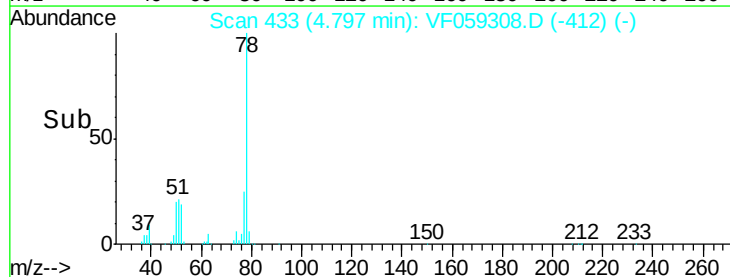
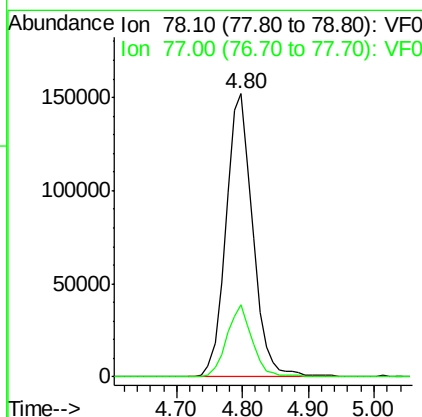
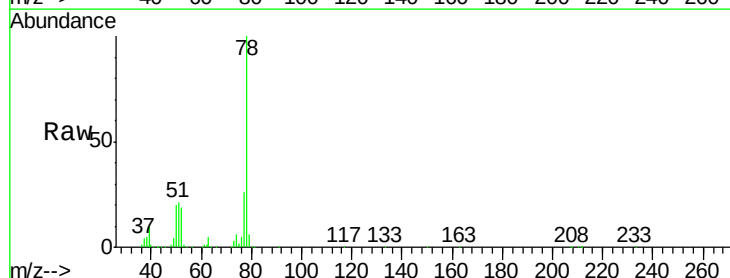
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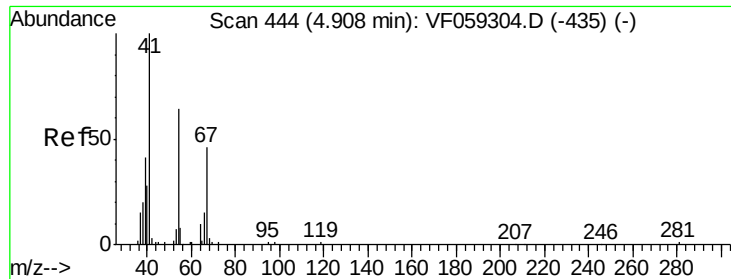
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#40
Benzene
Concen: 50.08 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.6	29.4





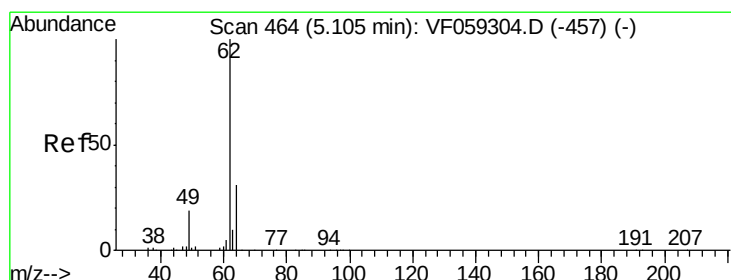
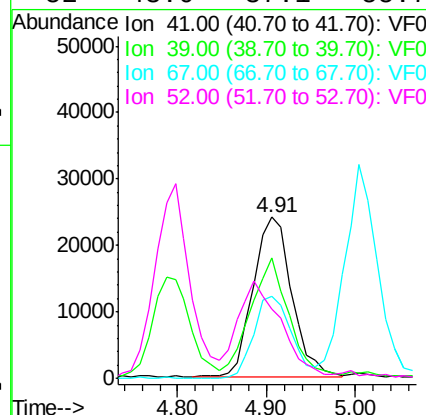
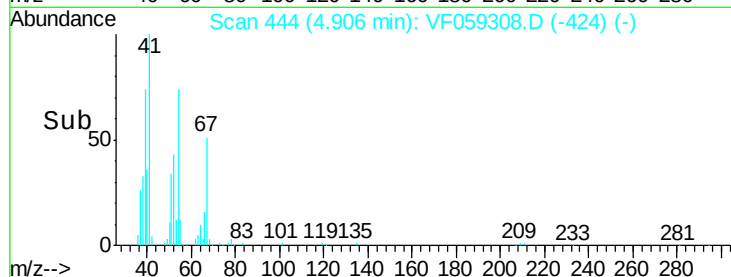
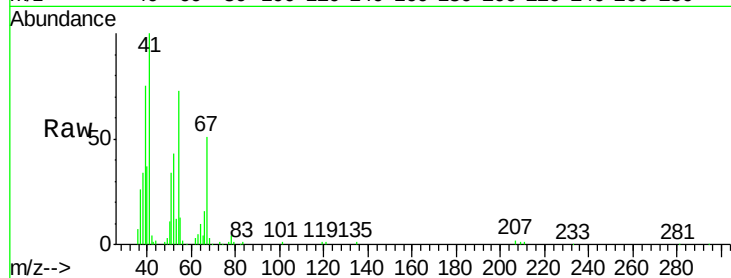
#41
Methacrylonitrile
Concen: 54.34 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.6	50.0	75.0	
67	50.5	37.0	55.6	
52	43.0	37.1	55.7	

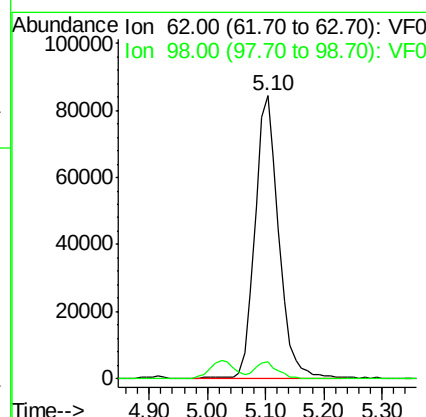
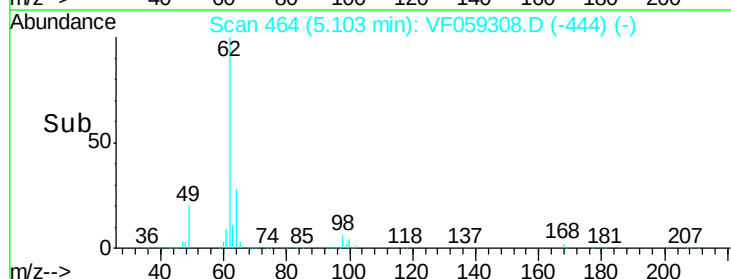
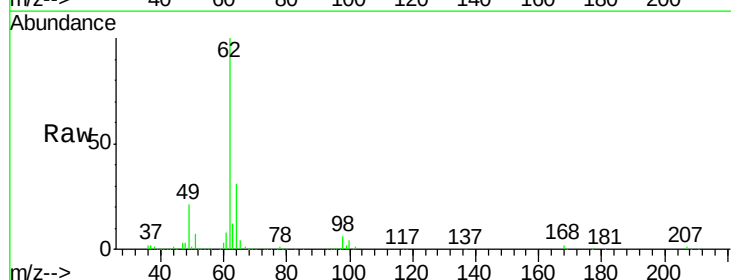
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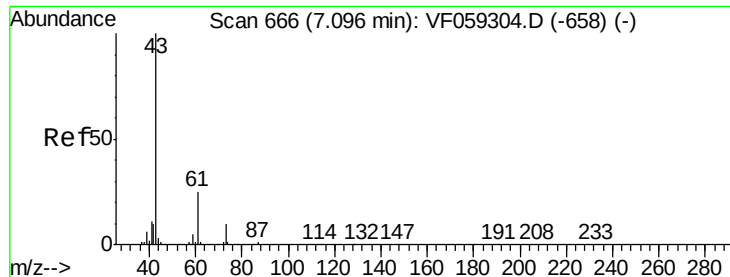
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#42
1,2-Dichloroethane
Concen: 47.97 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.2	0.0	11.4	





#43

Isopropyl Acetate

Concen: 59.10 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

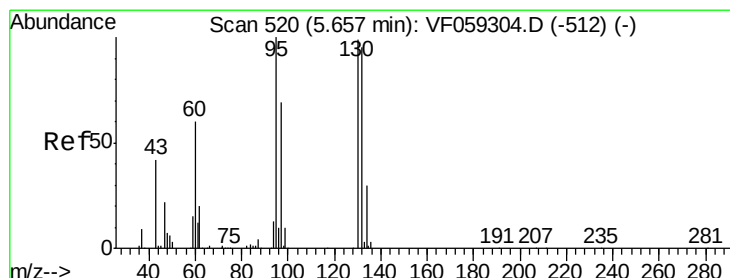
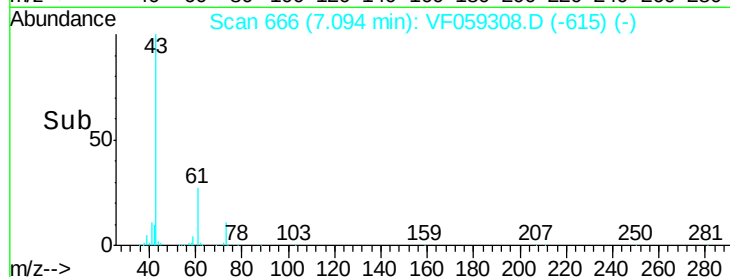
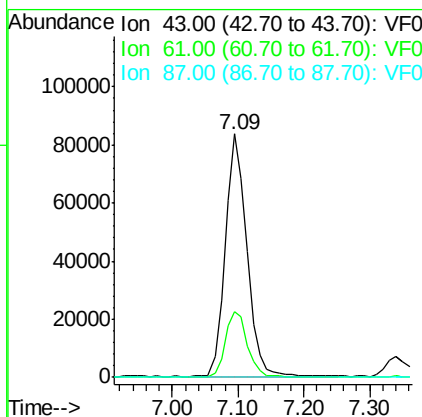
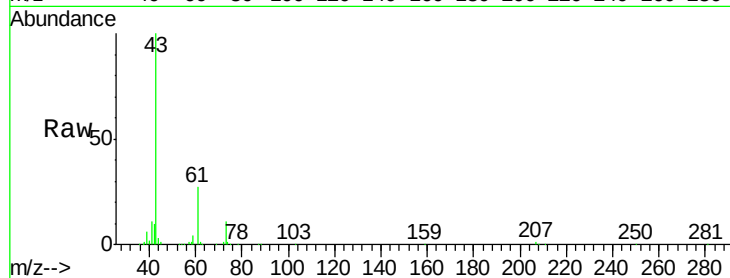
ClientSampleId :

ICVVF062518

Tot Ion:	43	Resp:	192686
Ion	Ratio	Lower	Upper
43	100		
61	27.0	19.7	29.5
87	0.3	0.5	0.7#

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#44

Trichloroethene

Concen: 45.90 ug/l

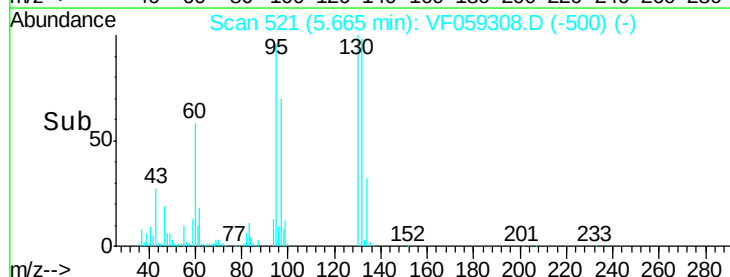
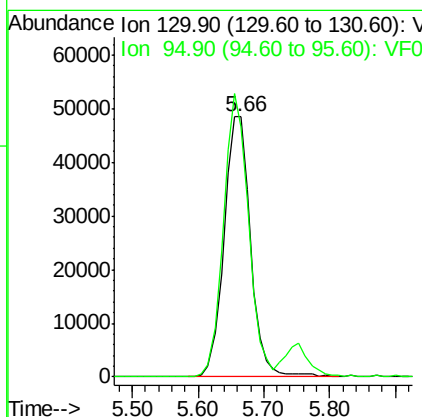
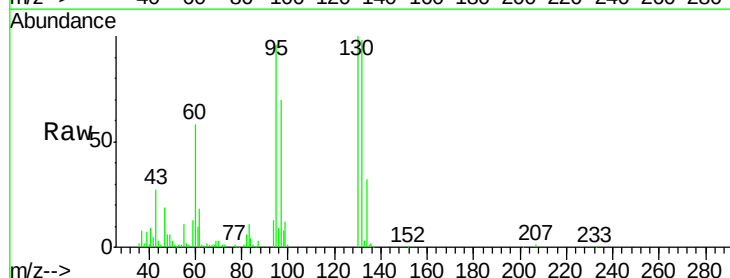
RT: 5.66 min Scan# 521

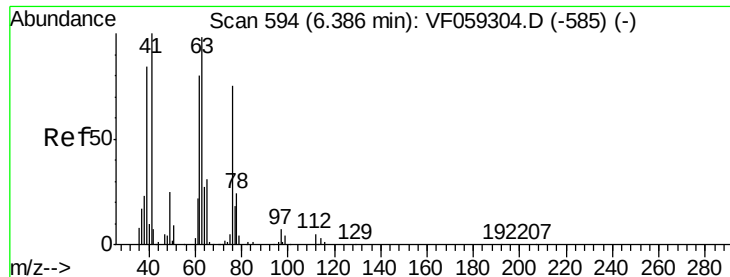
Delta R.T. 0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	130	Resp:	136655
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	202.4





#45

1,2-Dichloropropane

Concen: 52.26 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 63 Resp: 129571

Ion Ratio Lower Upper

63 100

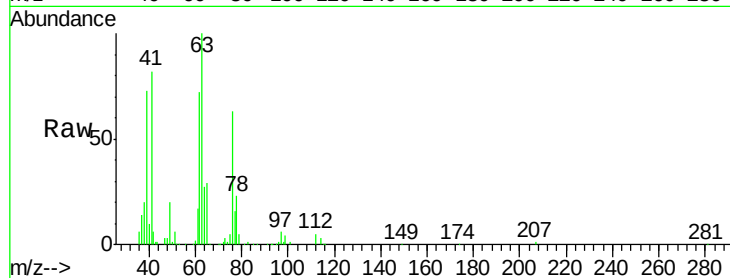
65 28.8 25.3 37.9

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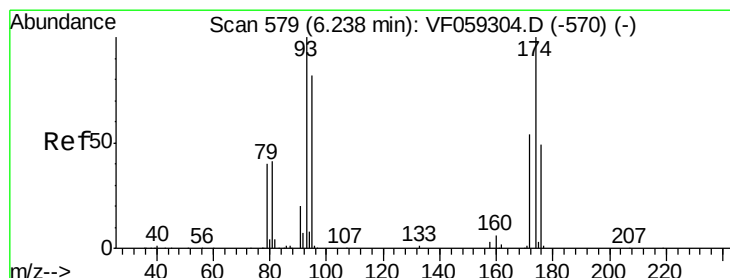
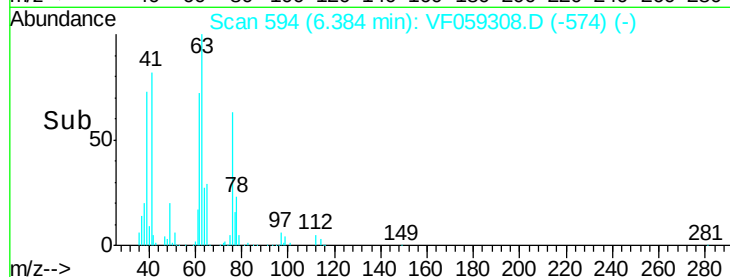
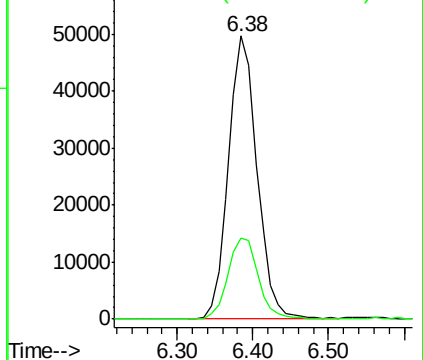
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 51.35 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

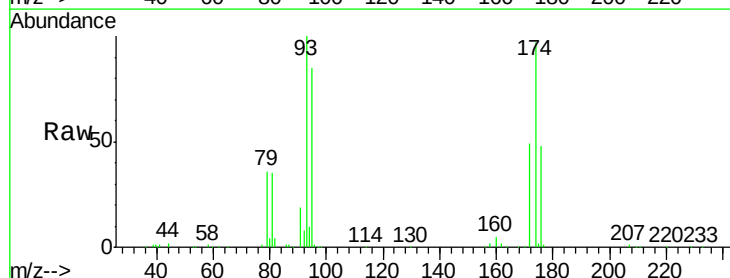
Tgt Ion: 93 Resp: 110515

Ion Ratio Lower Upper

93 100

95 85.1 65.6 98.4

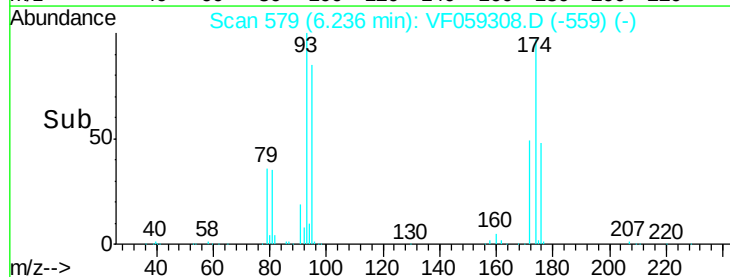
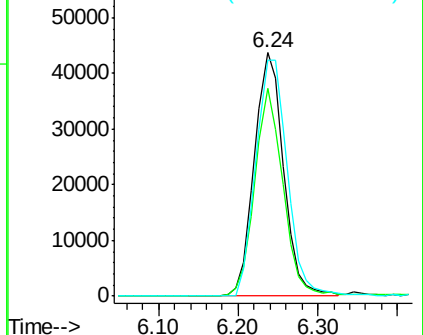
174 96.9 80.0 120.0

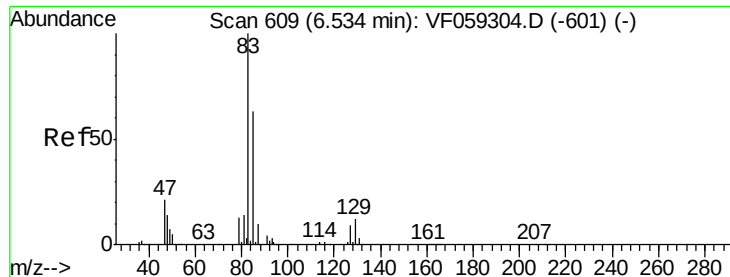


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.88 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

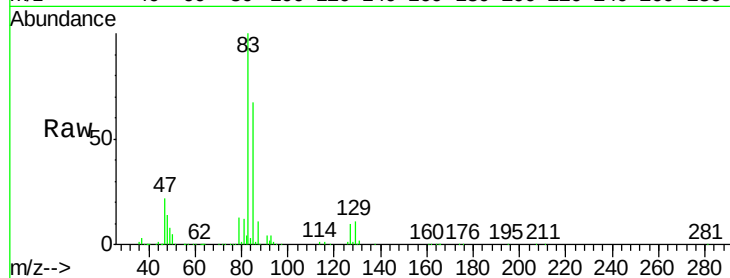
ClientSampleId :

ICVVF062518

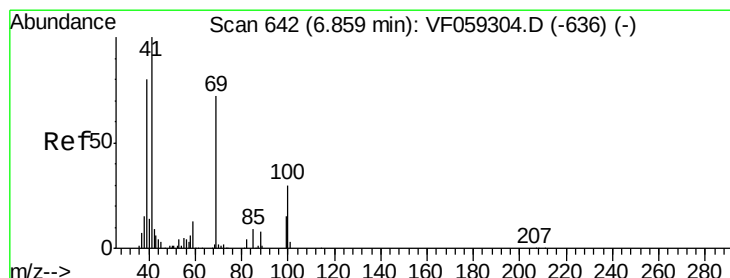
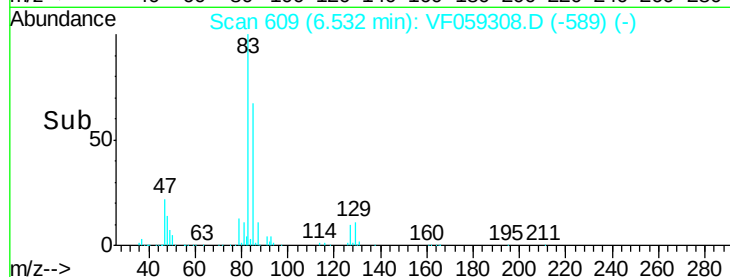
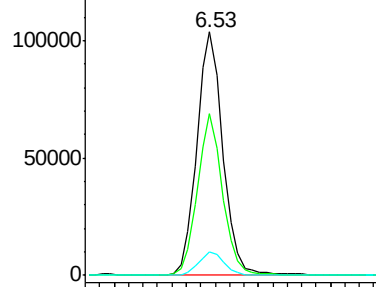
Tot Ion:	83	Resp:	259849
Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.2	75.2
127	9.5	7.0	10.4

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 55.19 ug/l

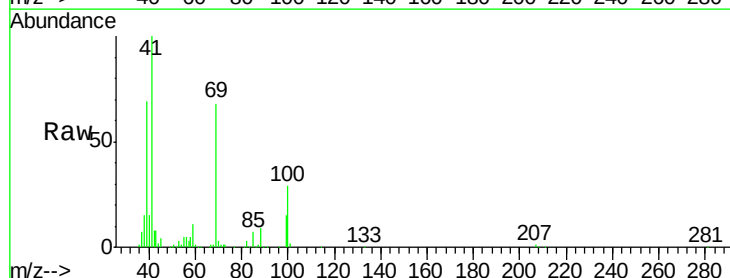
RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

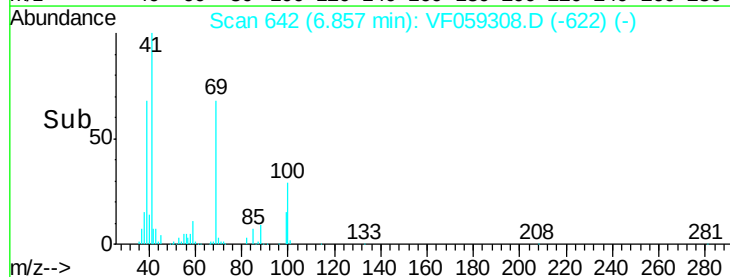
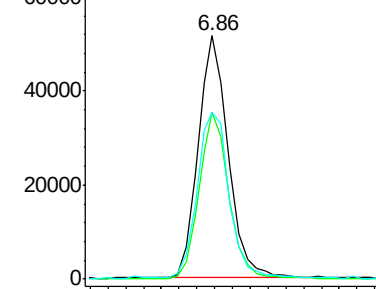
Lab File: VF059308.D

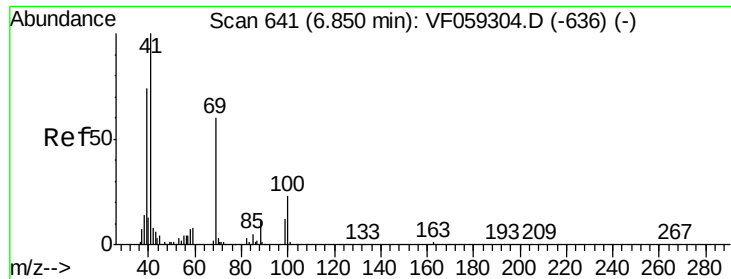
Acq: 25 Jun 2018 18:05

Tgt Ion:	41	Resp:	120591
Ion	Ratio	Lower	Upper
41	100		
69	68.3	57.3	85.9
39	68.5	64.4	96.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





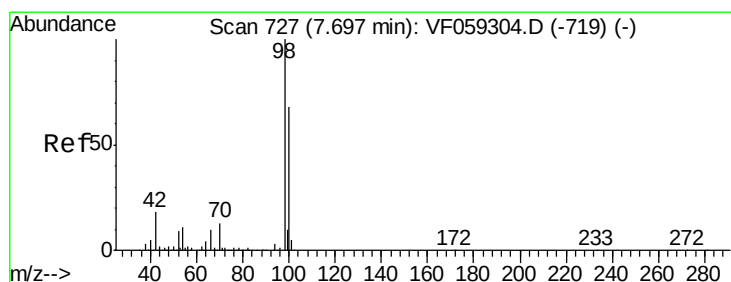
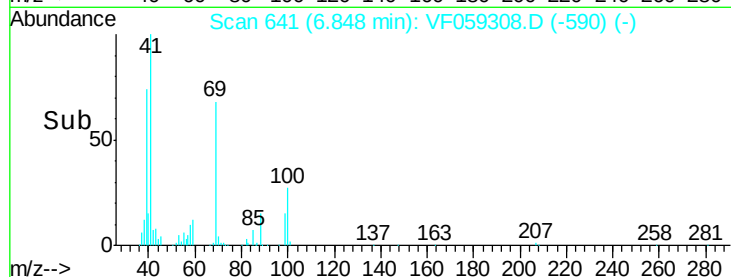
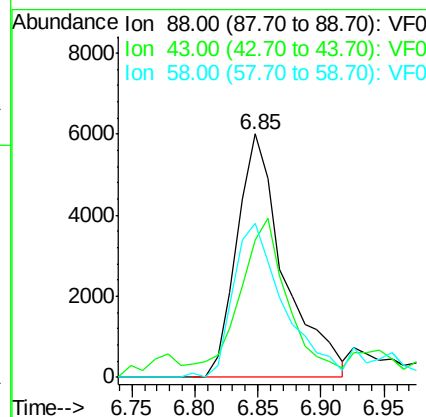
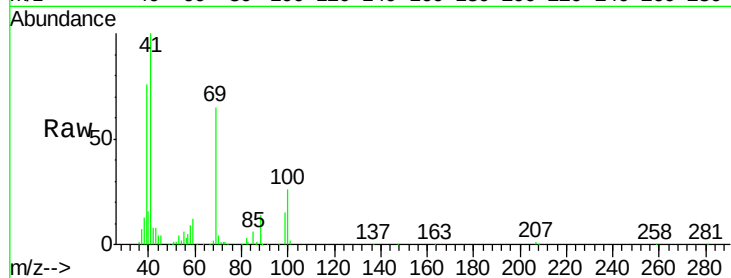
#49
1,4-Dioxane
Concen: 1350.94 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	56.5		50.6	75.8
58	63.1		46.6	69.8

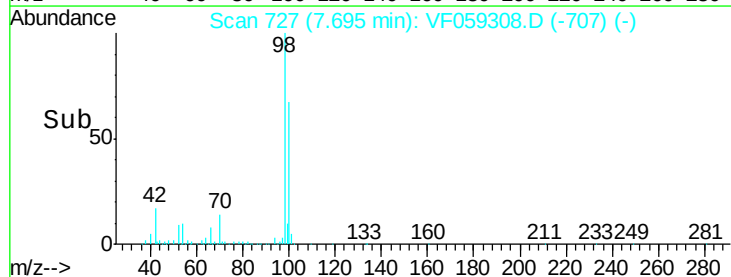
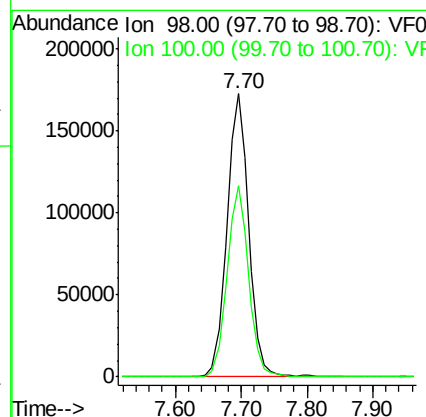
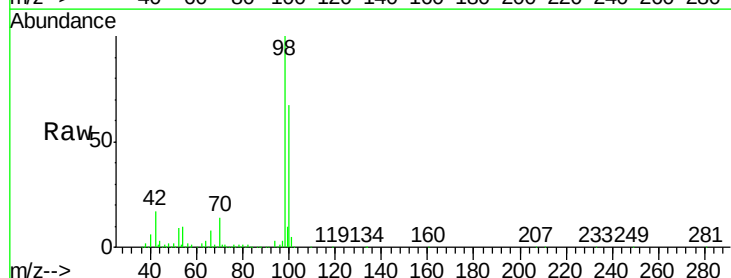
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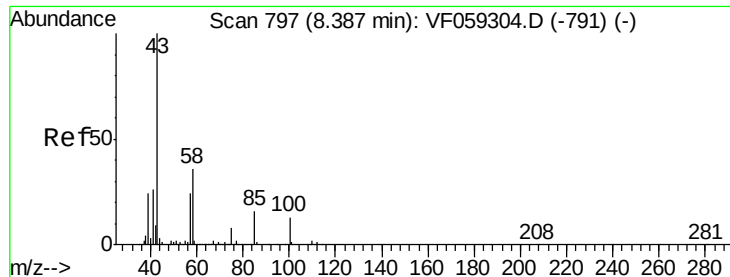
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#50
Toluene-d8
Concen: 49.12 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.4		54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 275.19 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 43 Resp: 664667

Ion Ratio Lower Upper

43 100

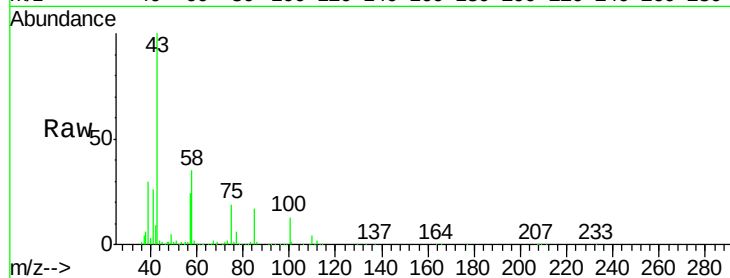
58 35.3 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

250000

200000

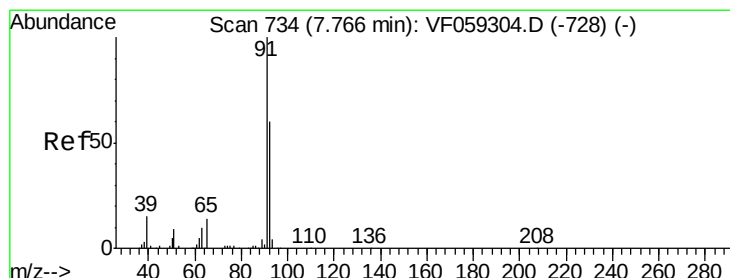
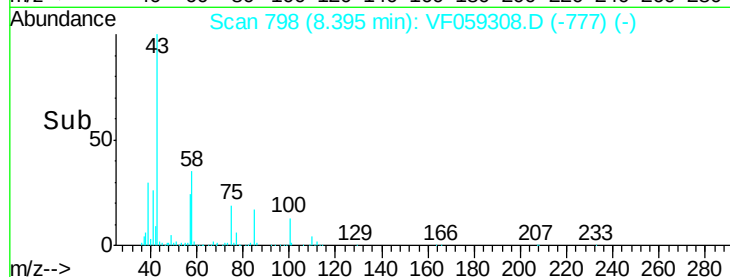
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 45.52 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059308.D

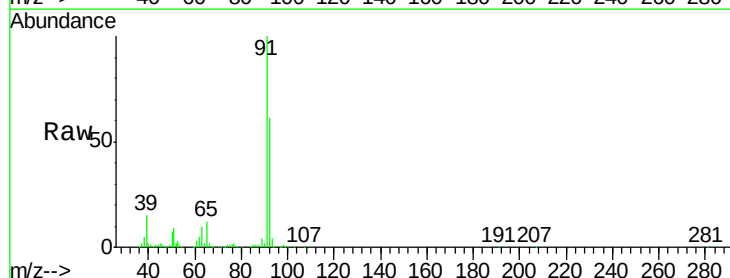
Acq: 25 Jun 2018 18:05

Tgt Ion: 92 Resp: 295587

Ion Ratio Lower Upper

92 100

91 164.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

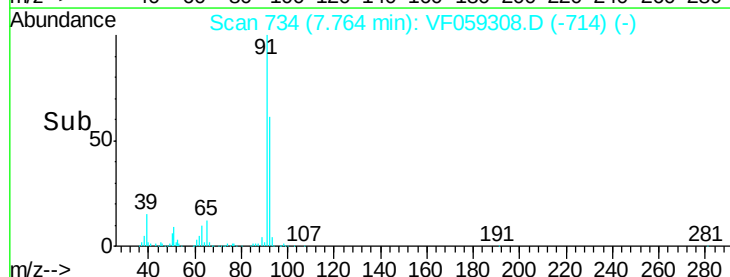
150000

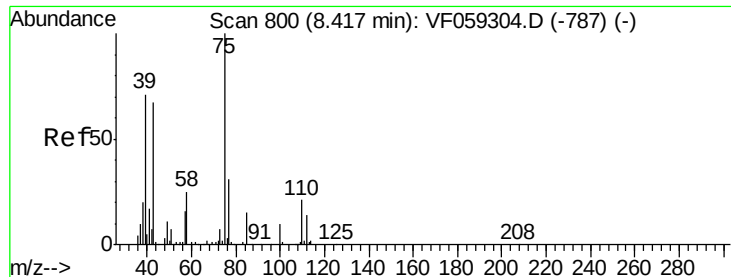
100000

50000

0

Time--> 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 49.85 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 75 Resp: 236724

Ion Ratio Lower Upper

75 100

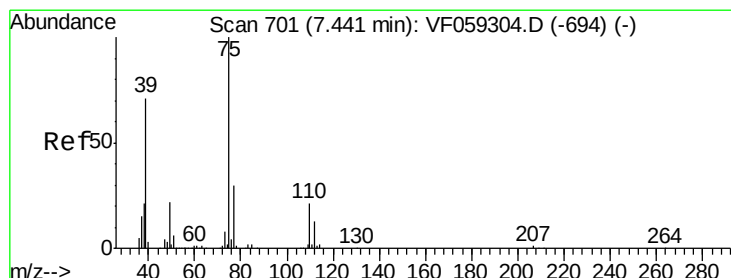
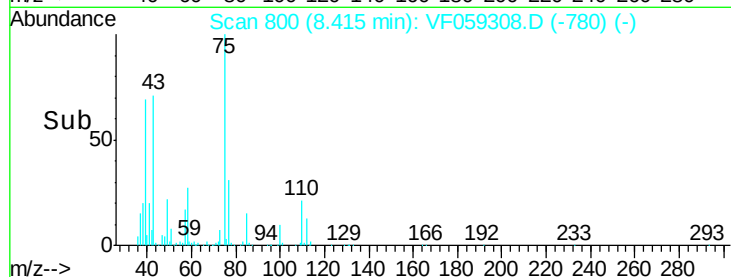
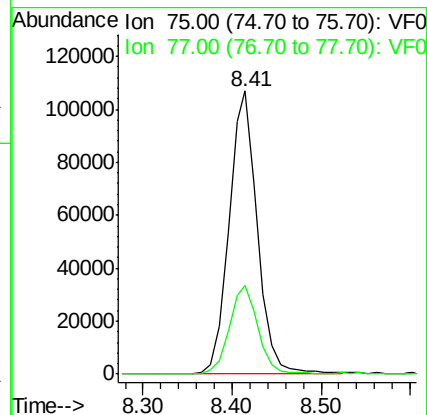
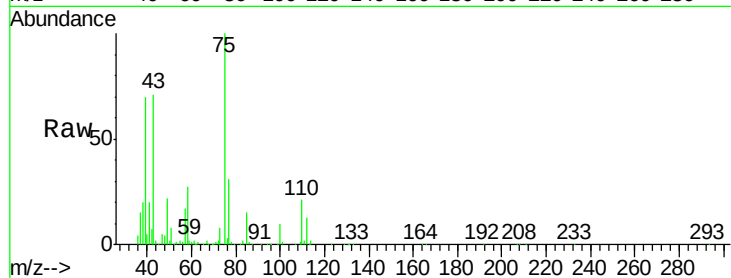
77 31.4 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 51.09 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

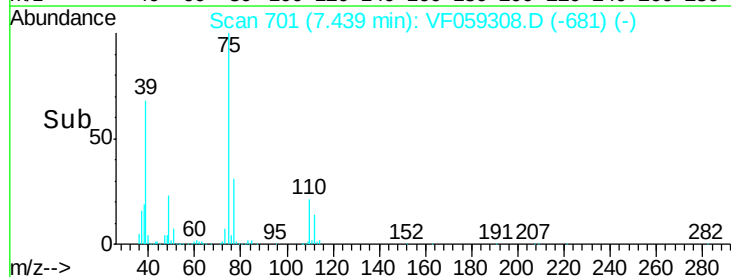
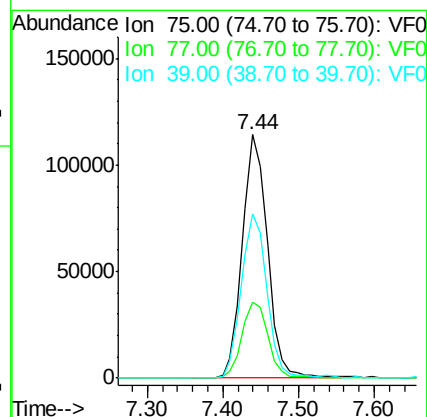
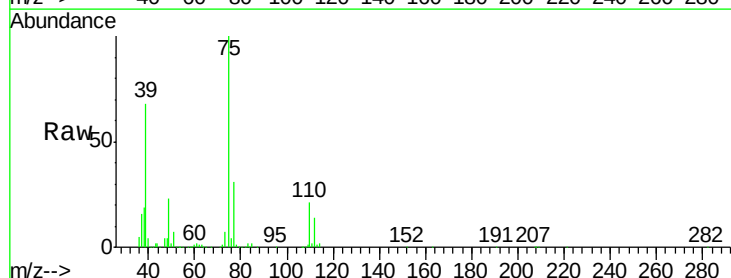
Tgt Ion: 75 Resp: 263529

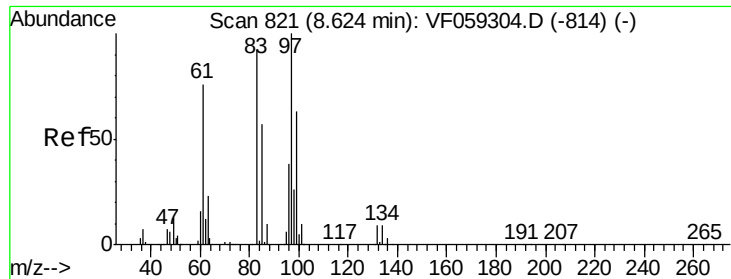
Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

39 67.6 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 53.48 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

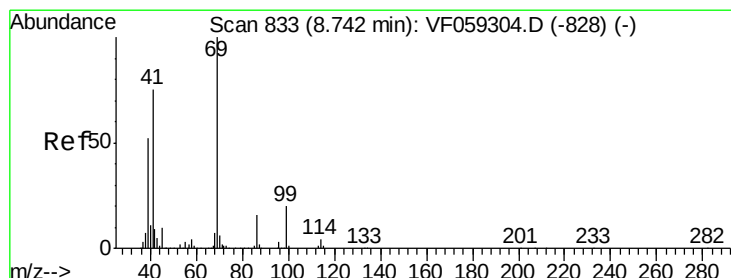
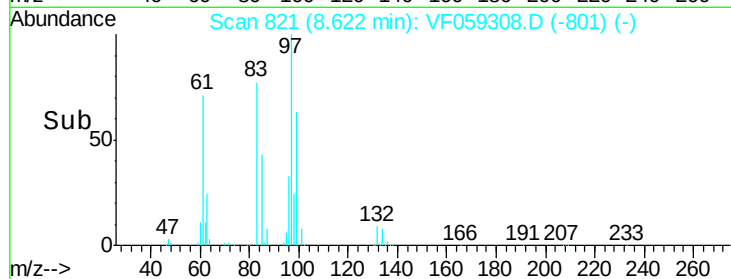
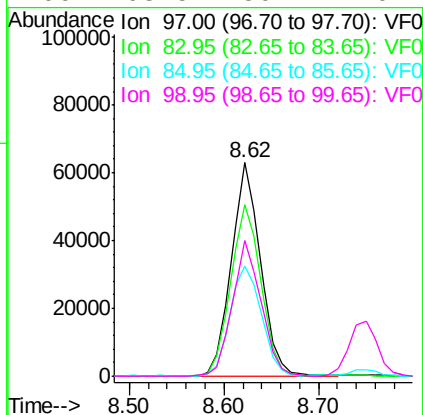
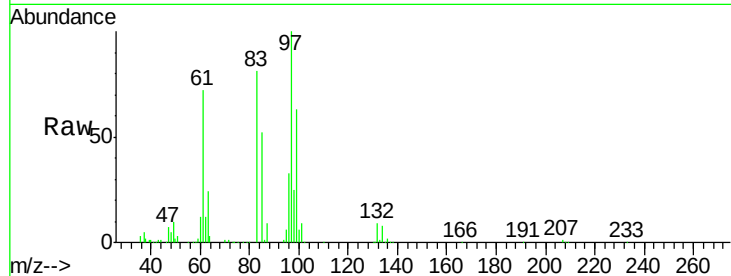
ClientSampleId :

ICVVF062518

Tot Ion:	97	Resp:	134851
Ion Ratio	Lower	Upper	
97	100		
83	80.6	73.8	110.8
85	51.8	45.5	68.3
99	63.5	50.7	76.1

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#56

Ethyl methacrylate

Concen: 54.58 ug/l

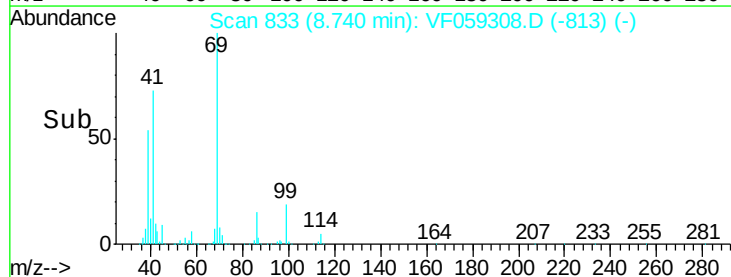
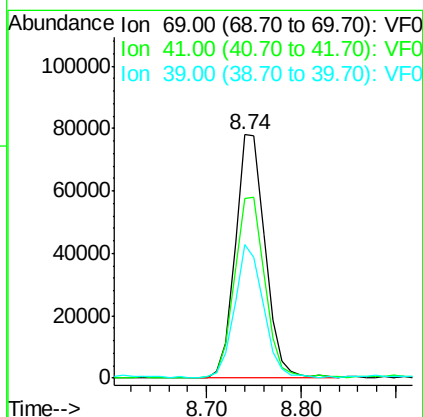
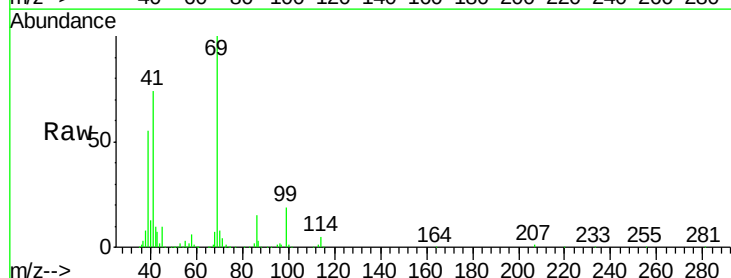
RT: 8.74 min Scan# 833

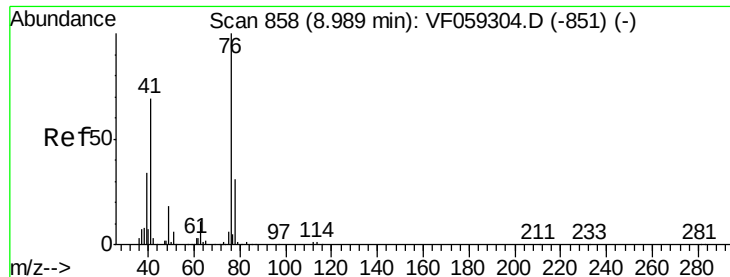
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	69	Resp:	170482
Ion Ratio	Lower	Upper	
69	100		
41	73.7	60.3	90.5
39	55.0	42.2	63.4





#57

1,3-Dichloropropane

Concen: 50.44 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 76 Resp: 218130

Ion Ratio Lower Upper

76 100

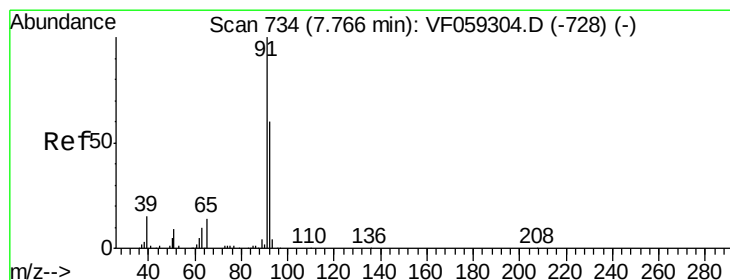
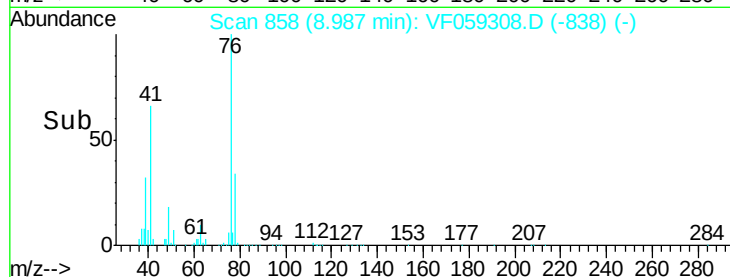
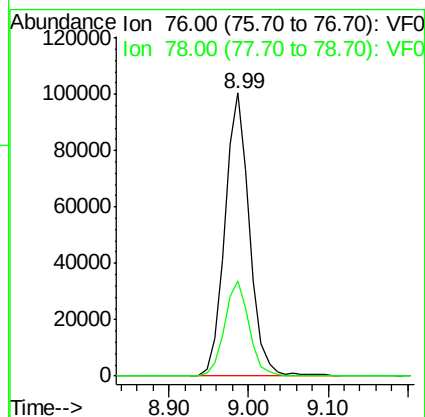
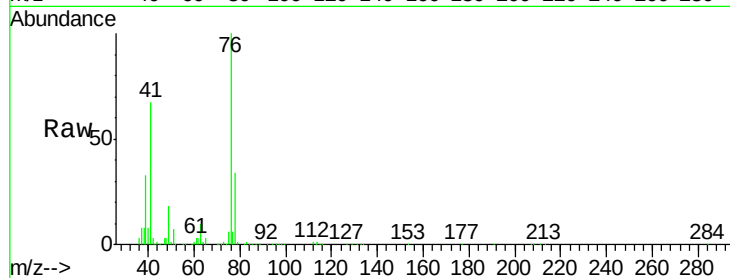
78 33.5 24.9 37.3

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#58

2-Chloroethyl Vinyl ether

Concen: 206.14 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059308.D

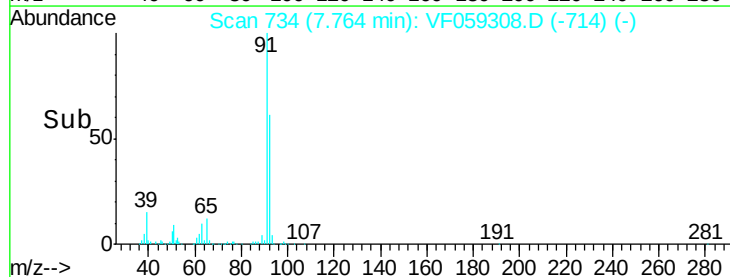
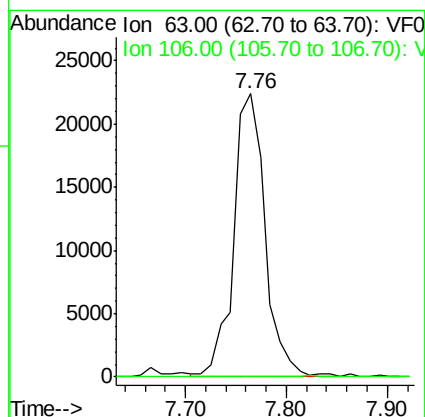
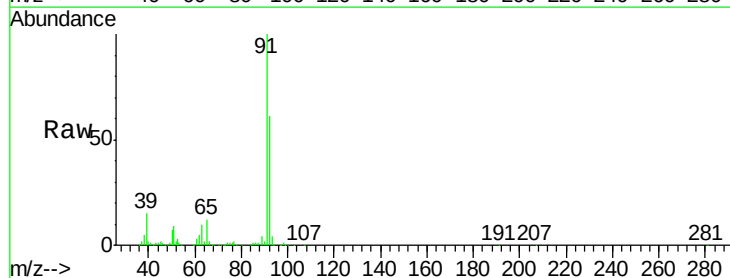
Acq: 25 Jun 2018 18:05

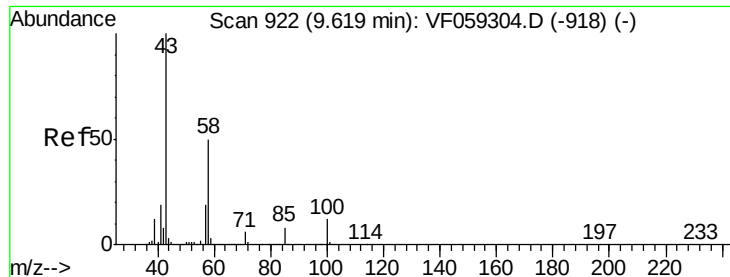
Tgt Ion: 63 Resp: 48288

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





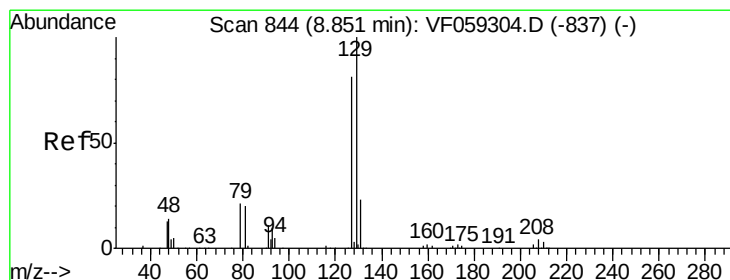
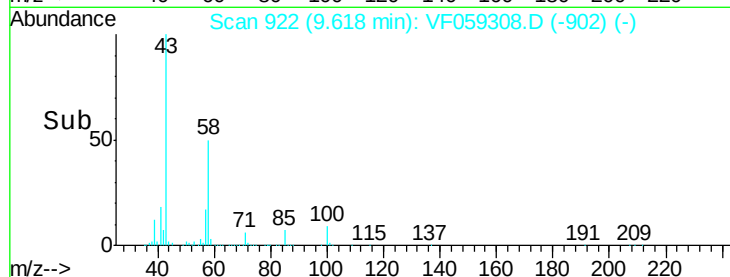
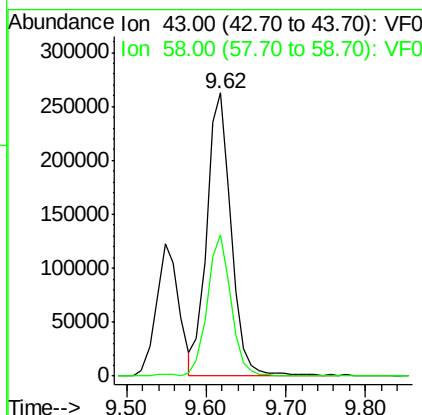
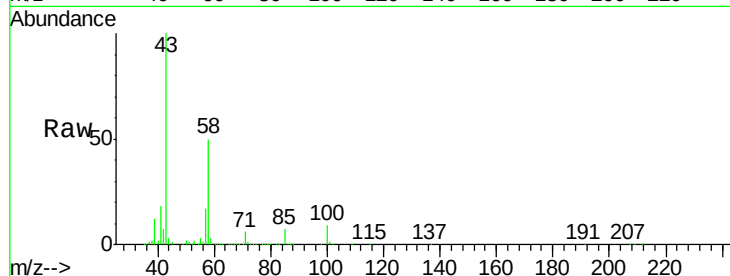
#59
2-Hexanone
Concen: 310.64 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion: 43 Resp: 556227
Ion Ratio Lower Upper
43 100
58 49.8 23.3 69.9

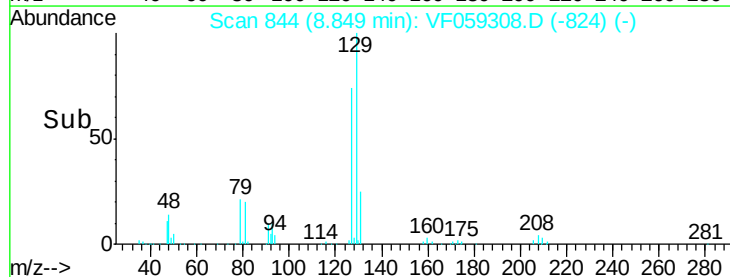
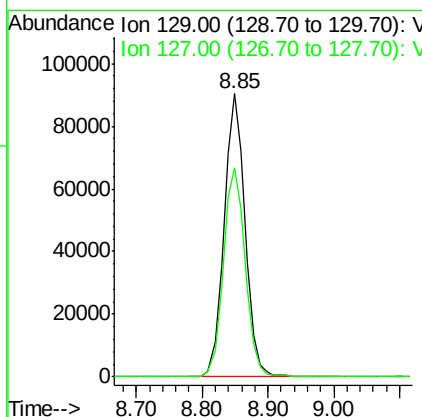
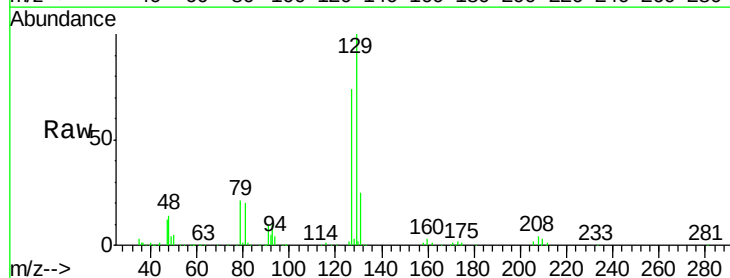
Manual Integrations
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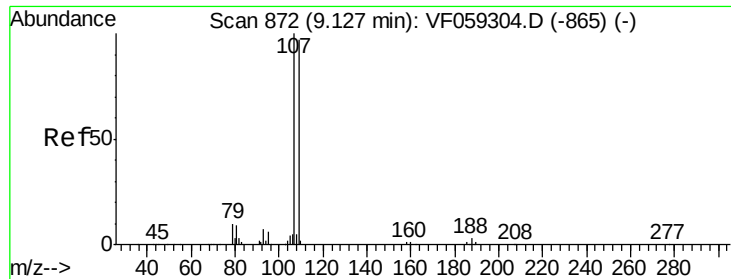
apatel
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#60
Dibromochloromethane
Concen: 51.75 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion: 129 Resp: 201418
Ion Ratio Lower Upper
129 100
127 74.1 40.7 122.1





#61

1,2-Dibromoethane

Concen: 52.02 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 107 Resp: 159075

Ion Ratio Lower Upper

107 100

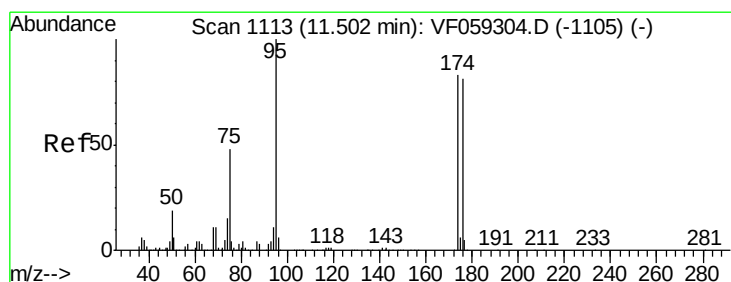
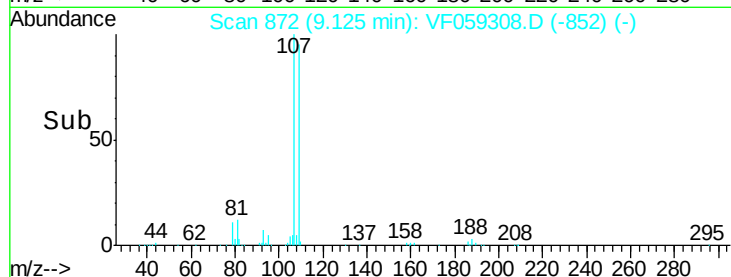
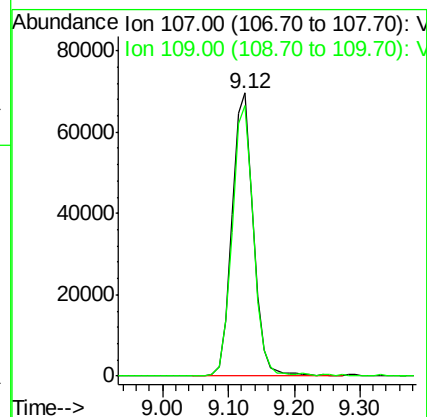
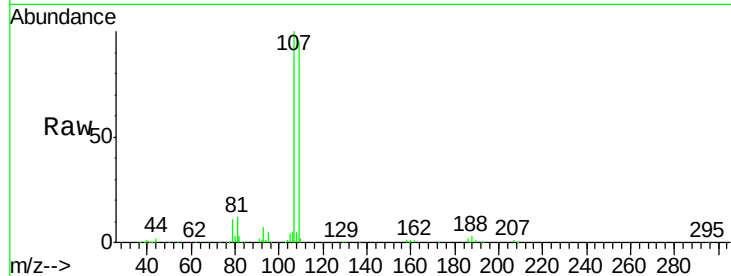
109 95.4 77.3 115.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.16 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

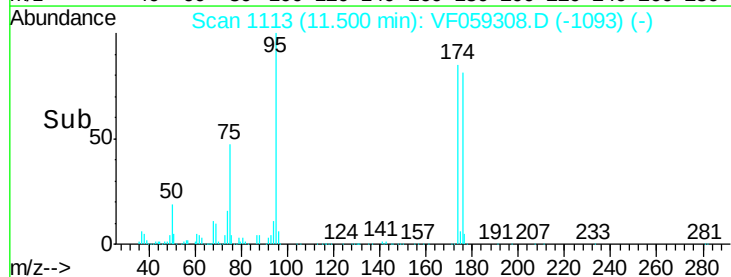
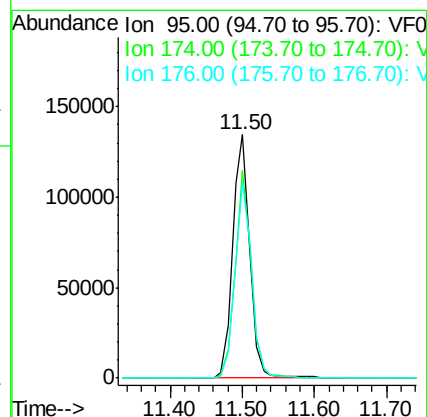
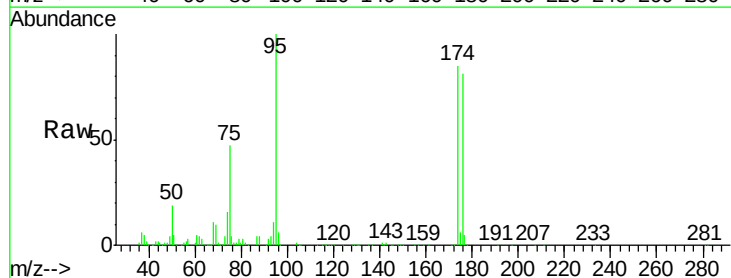
Tgt Ion: 95 Resp: 220188

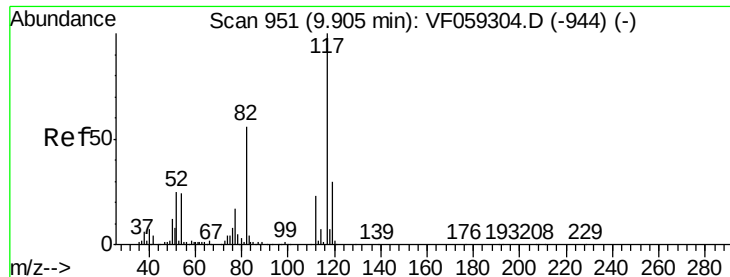
Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.2

176 80.7 0.0 161.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

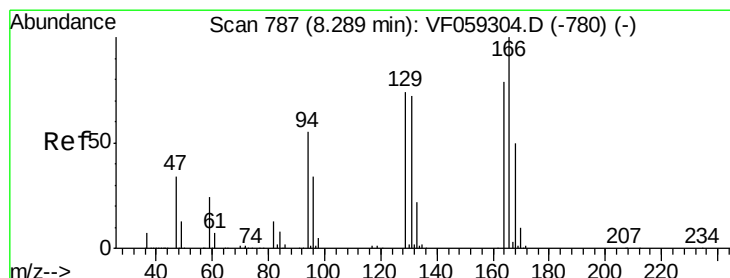
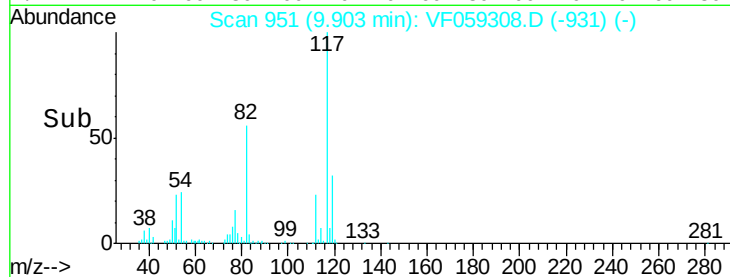
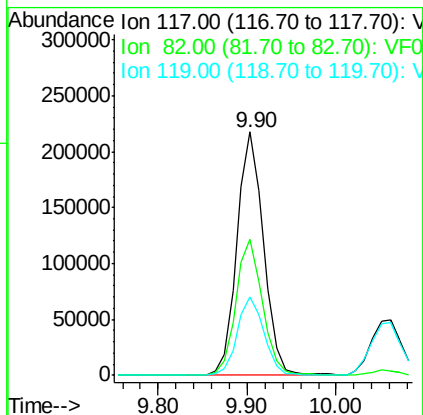
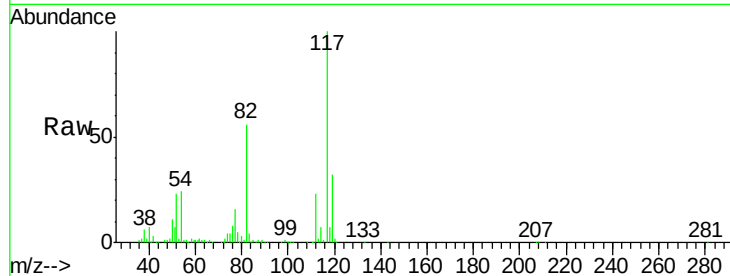
ClientSampled :

ICVVF062518

Tot Ion:	117	Resp:	453693
Ion Ratio	Lower	Upper	
117	100		
82	56.1	44.6	66.8
119	32.1	24.1	36.1

Manual Integrations
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#64

Tetrachloroethene

Concen: 45.38 ug/l

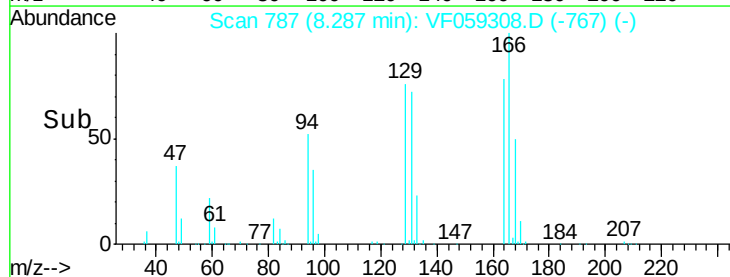
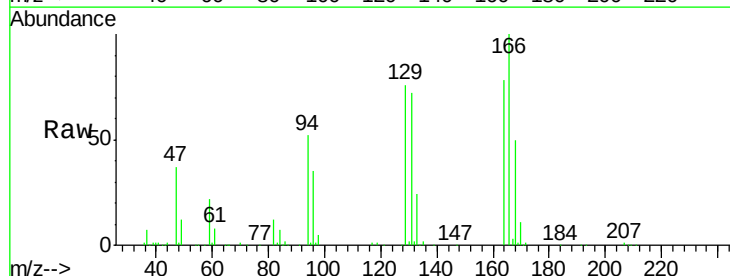
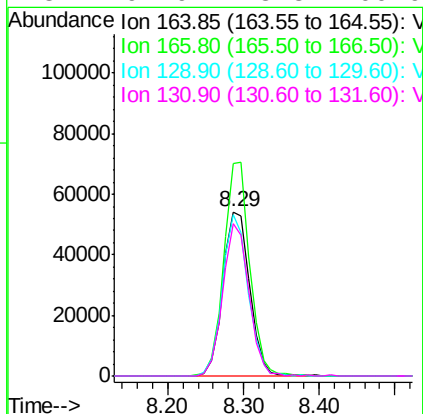
RT: 8.29 min Scan# 787

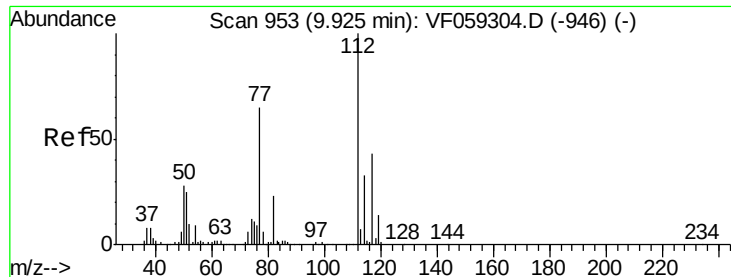
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	164	Resp:	133546
Ion Ratio	Lower	Upper	
164	100		
166	128.9	101.1	151.7
129	98.0	75.0	112.4
131	92.9	73.3	109.9





#65

Chlorobenzene

Concen: 47.43 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion:112 Resp: 398762

Ion Ratio Lower Upper

112 100

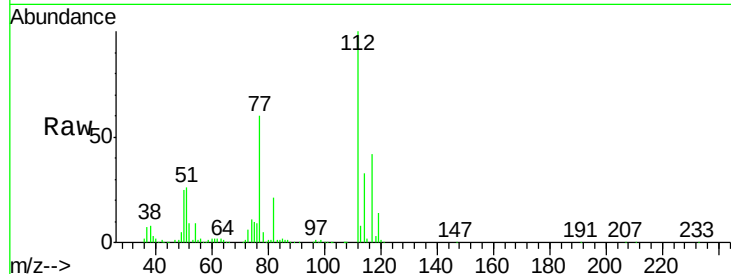
114 33.1 26.5 39.7

Manual Integrations

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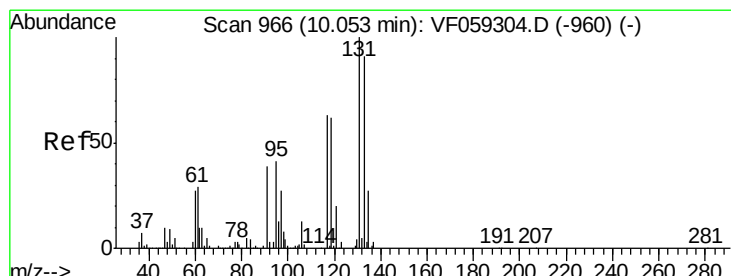
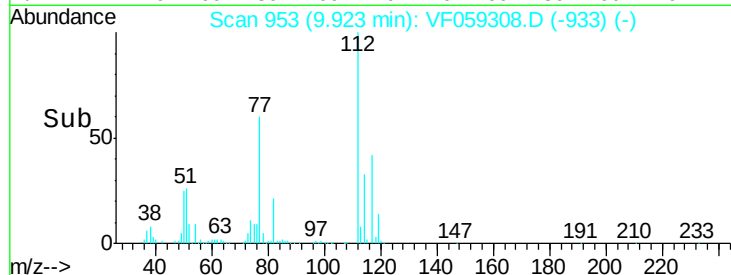
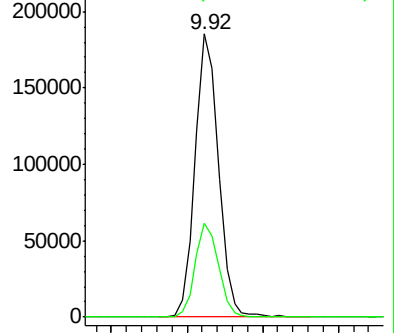
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.79 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

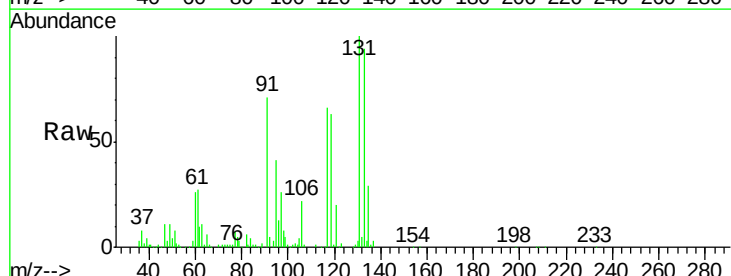
Tgt Ion:131 Resp: 170143

Ion Ratio Lower Upper

131 100

133 94.1 45.3 135.9

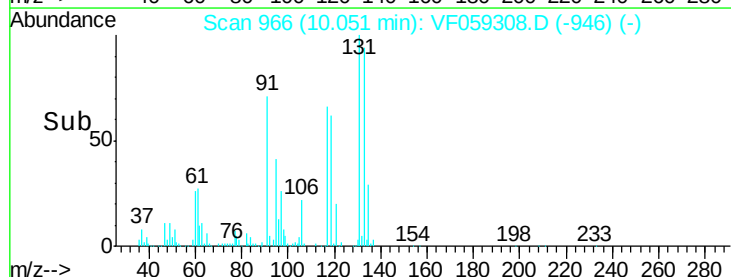
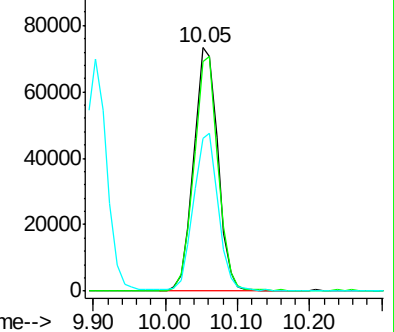
119 62.6 31.3 93.9

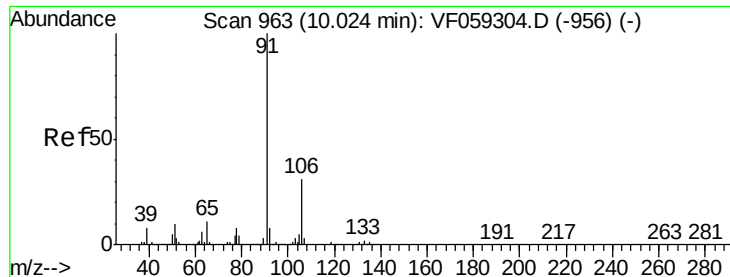


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 45.83 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 91 Resp: 653591

Ion Ratio Lower Upper

91 100

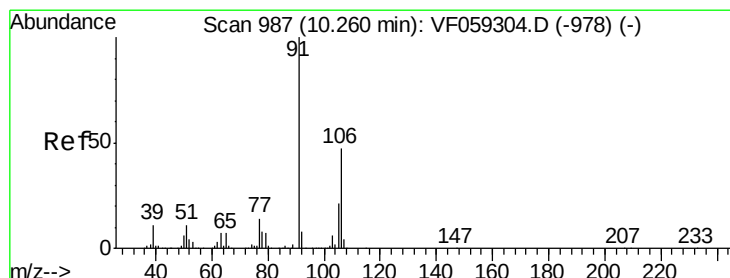
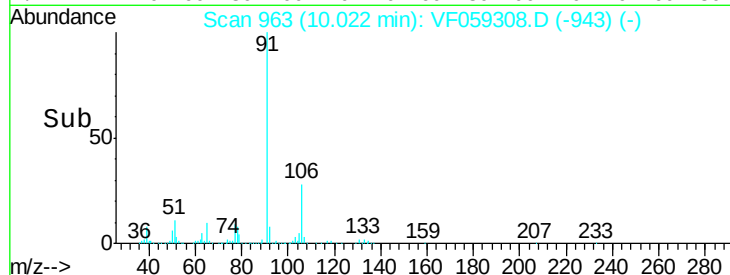
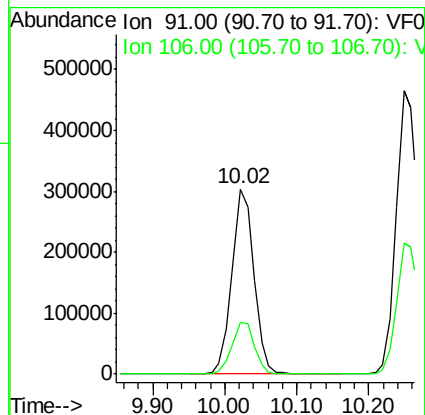
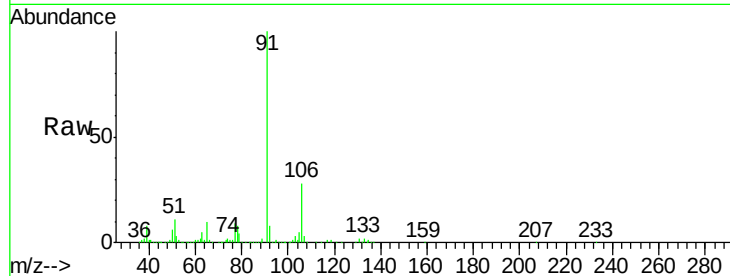
106 28.2 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 92.76 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059308.D

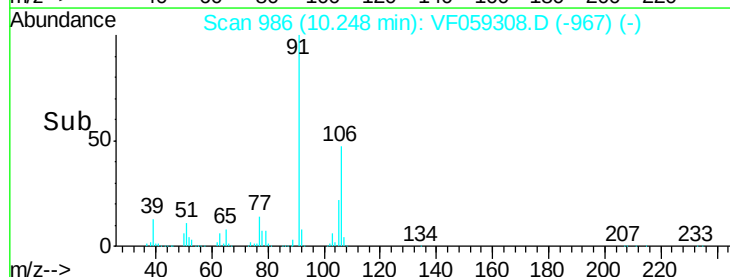
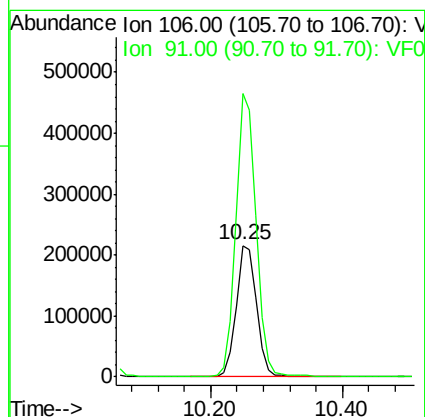
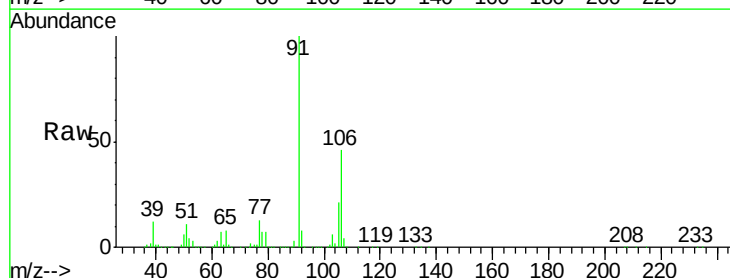
Acq: 25 Jun 2018 18:05

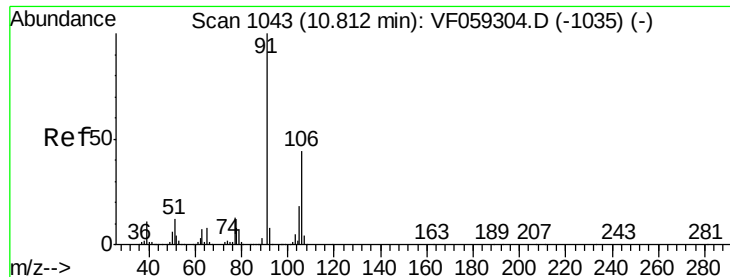
Tgt Ion: 106 Resp: 470875

Ion Ratio Lower Upper

106 100

91 215.3 170.8 256.2





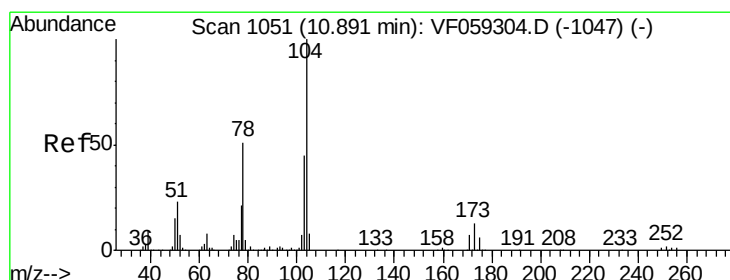
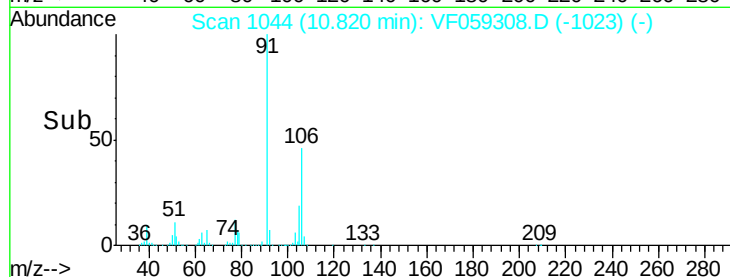
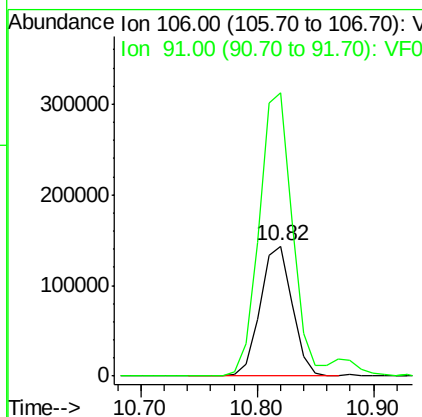
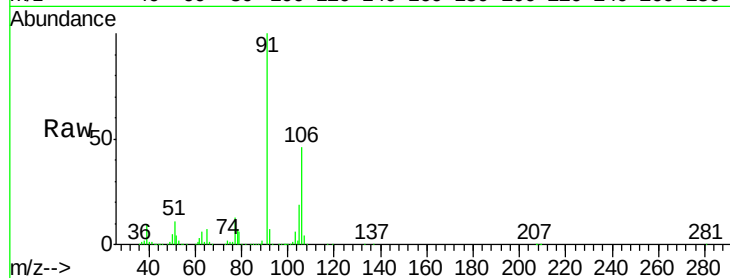
#69
o-Xylene
Concen: 48.19 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.8	114.6	343.6

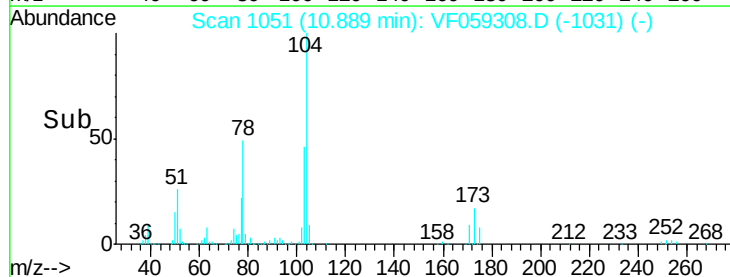
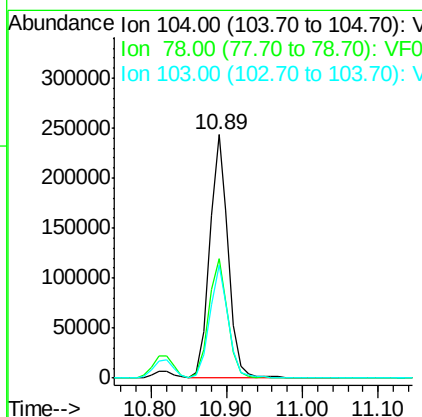
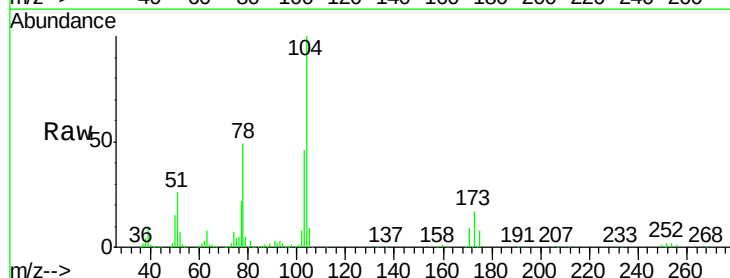
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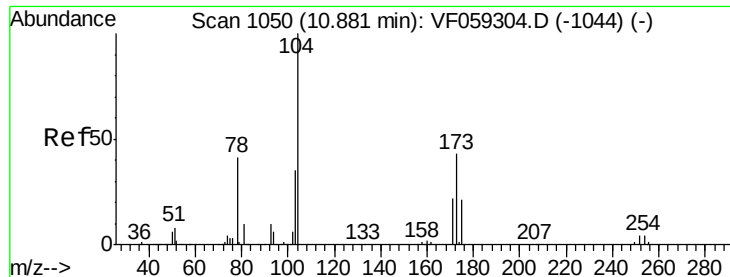
apatel
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#70
Styrene
Concen: 48.00 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	40.9	61.3
103	46.2	36.5	54.7





#71

Bromoform

Concen: 54.09 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

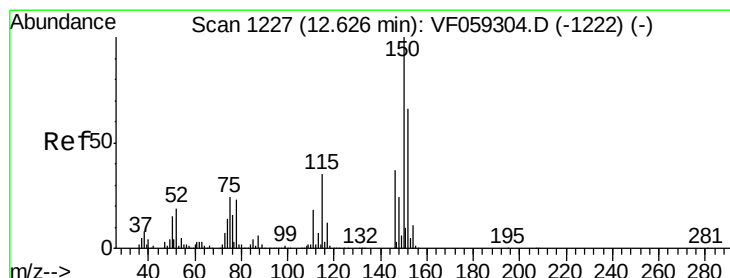
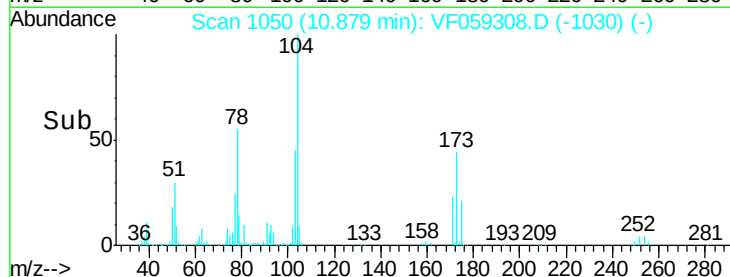
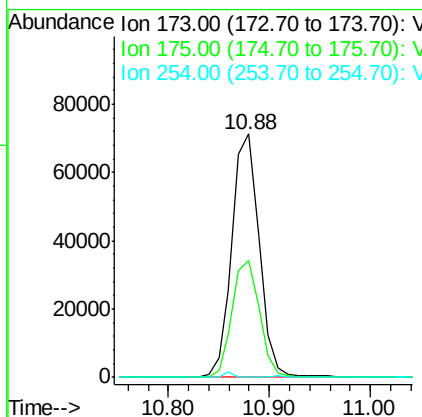
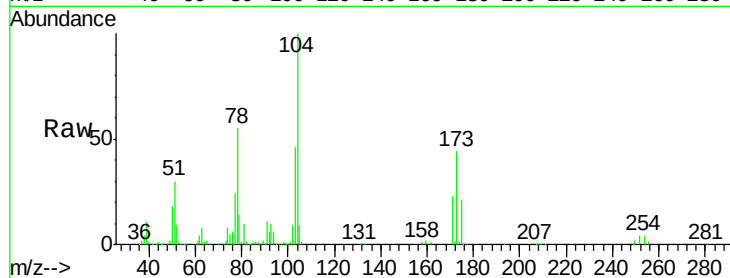
ClientSampleId :

ICVVF062518

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.3
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

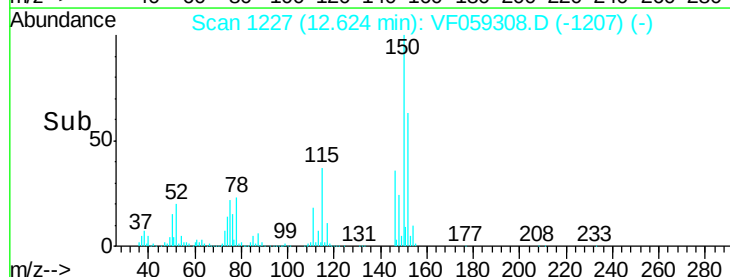
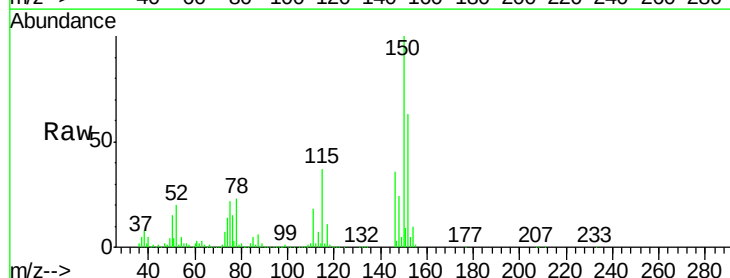
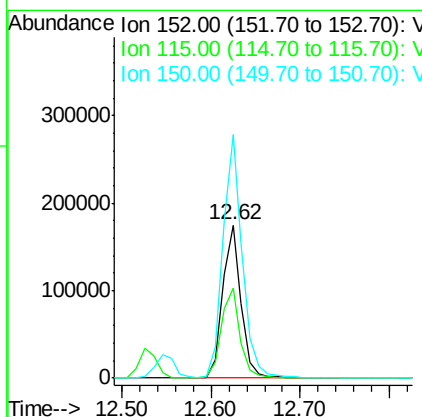
RT: 12.62 min Scan# 1227

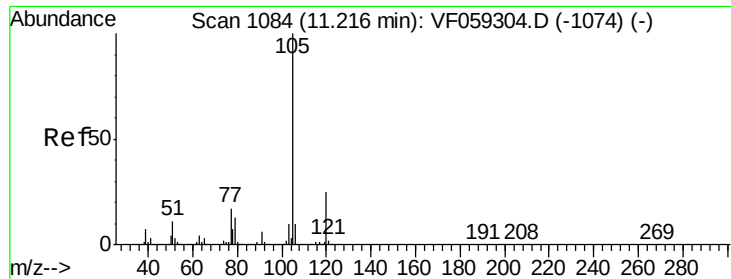
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	27.1	81.3
150	159.4	0.0	305.2





#73

Isopropylbenzene

Concen: 50.17 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 105 Resp: 744544

Ion Ratio Lower Upper

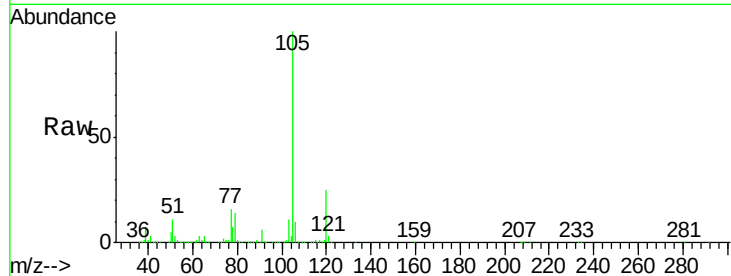
105 100

120 25.0 12.3 36.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

400000

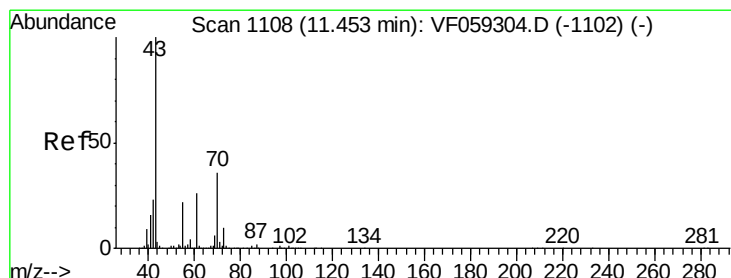
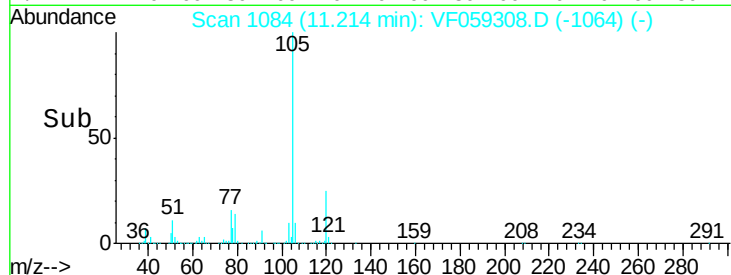
300000

200000

100000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 66.18 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion: 43 Resp: 356400

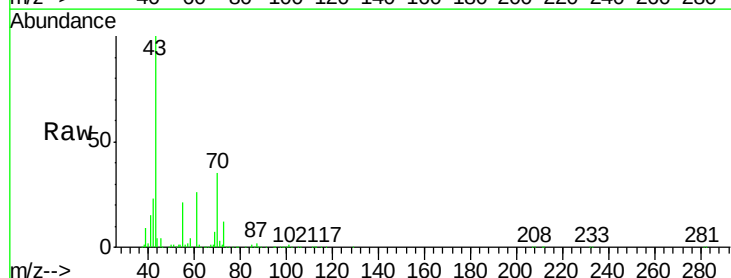
Ion Ratio Lower Upper

43 100

70 35.5 28.8 43.2

55 20.8 17.4 26.0

61 25.5 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.45

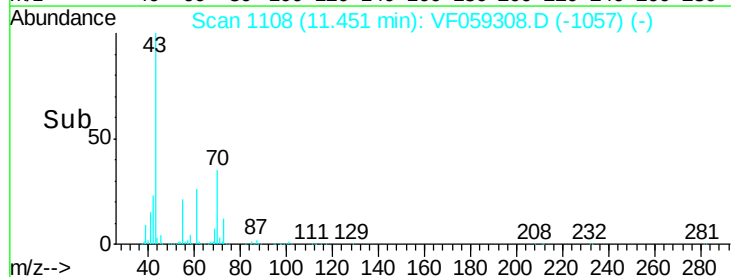
300000

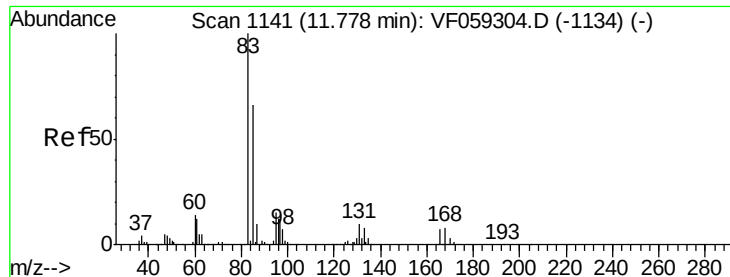
200000

100000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 56.14 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

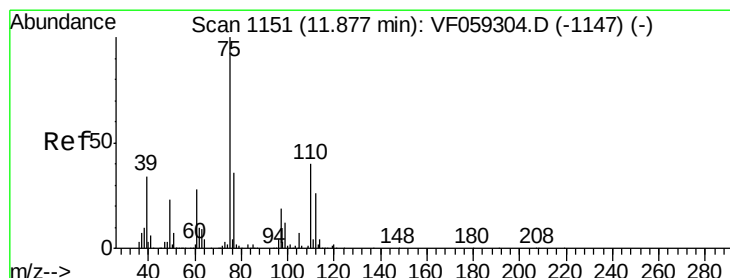
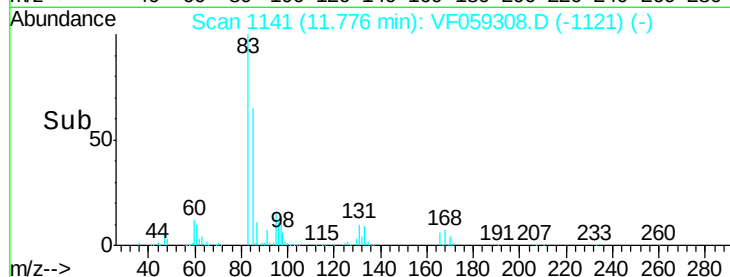
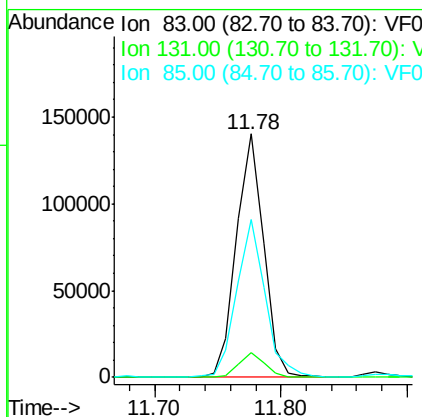
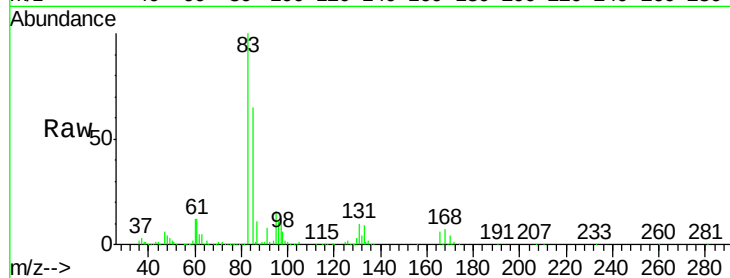
ClientSampleId :

ICVVF062518

Tot Ion:	83	Resp:	210427
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	64.6	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 55.54 ug/l

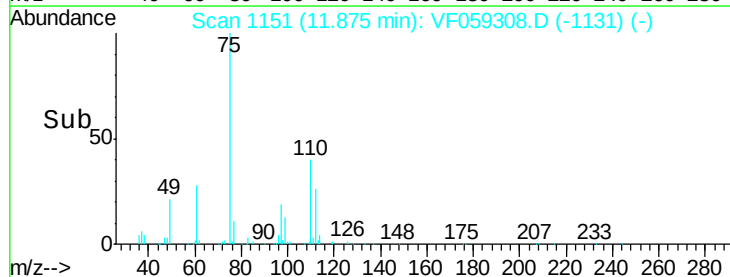
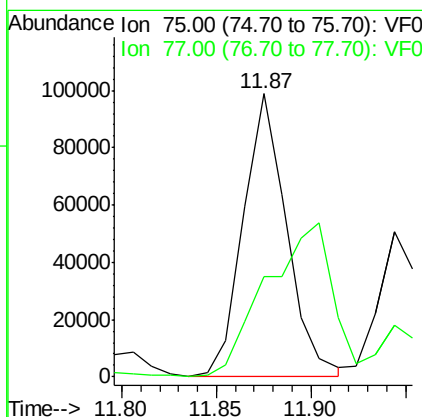
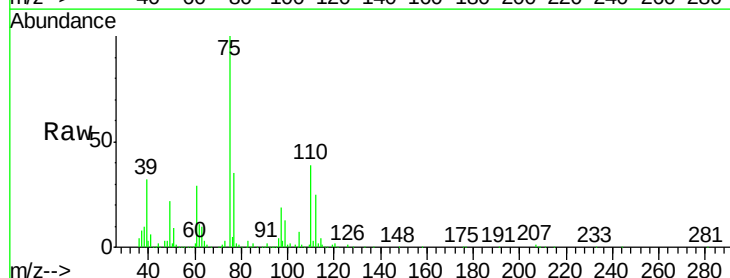
RT: 11.87 min Scan# 1151

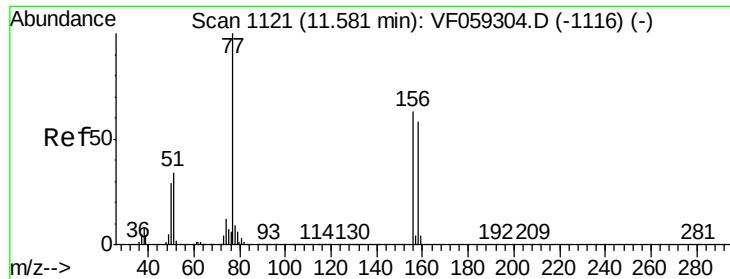
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	75	Resp:	157017
Ion Ratio	Lower	Upper	
75	100		
77	35.4	18.0	54.0





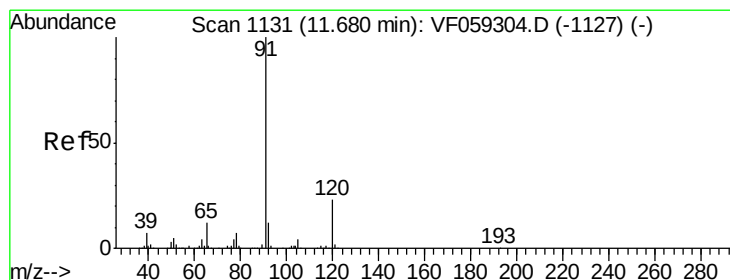
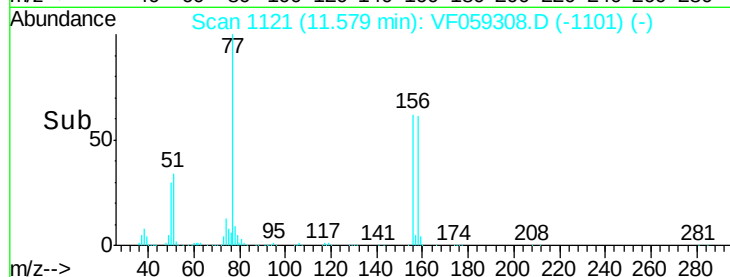
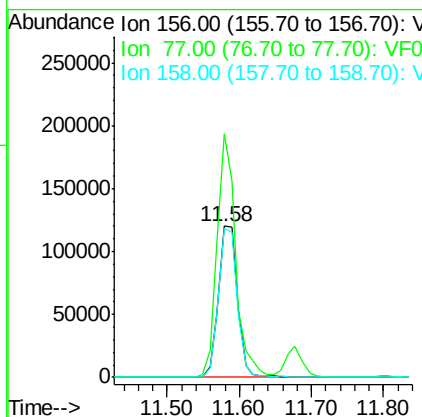
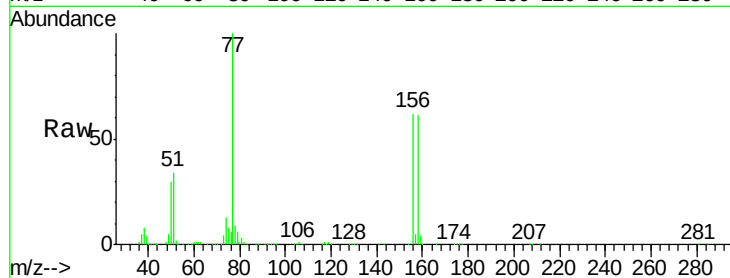
#77
Bromobenzene
Concen: 53.10 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.4	79.7	238.9
158	98.9	46.2	138.6

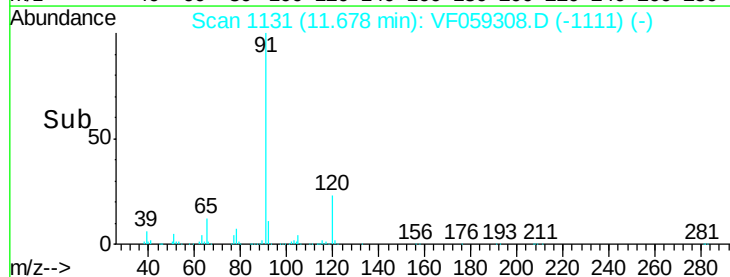
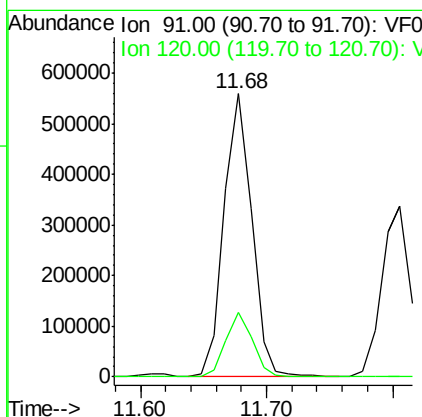
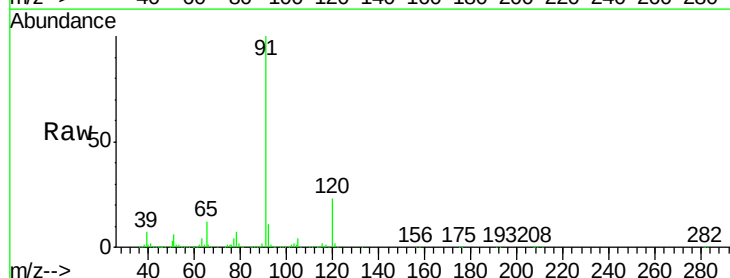
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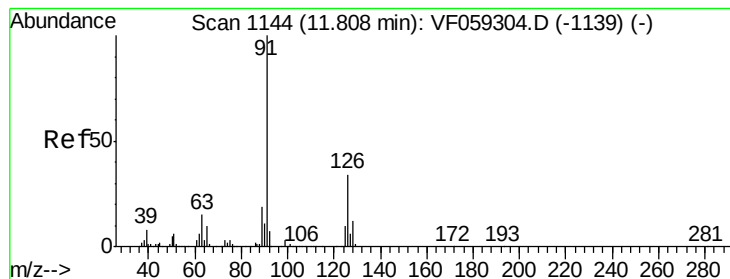
apatel
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#78
n-propylbenzene
Concen: 47.85 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 48.78 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

ICVVF062518

Tot Ion: 91 Resp: 531188

Ion Ratio Lower Upper

91 100

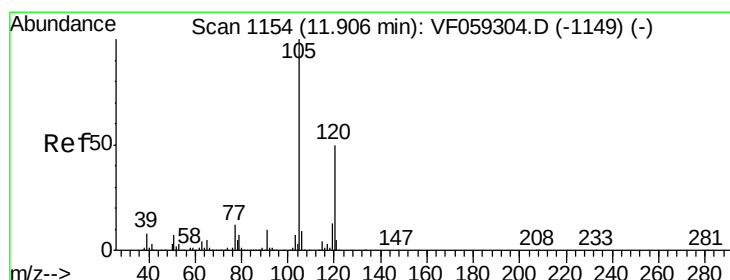
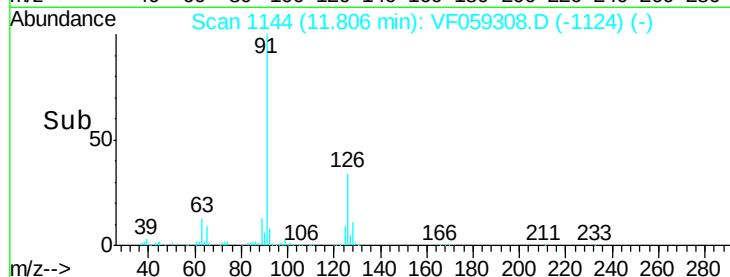
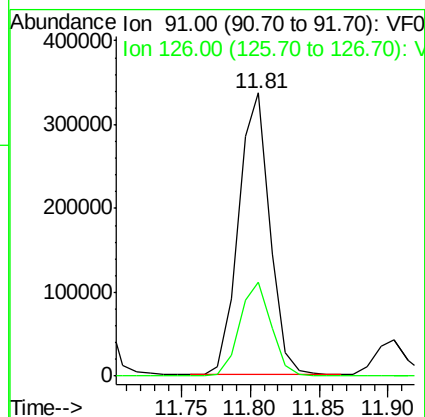
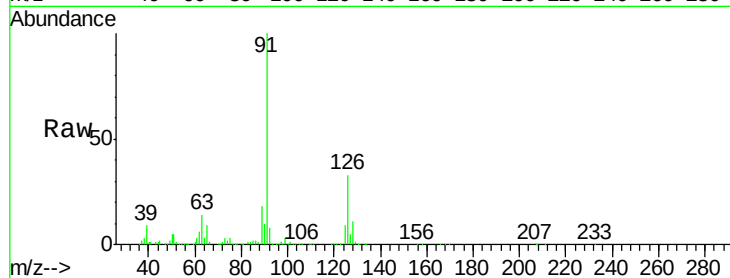
126 33.4 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.09 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059308.D

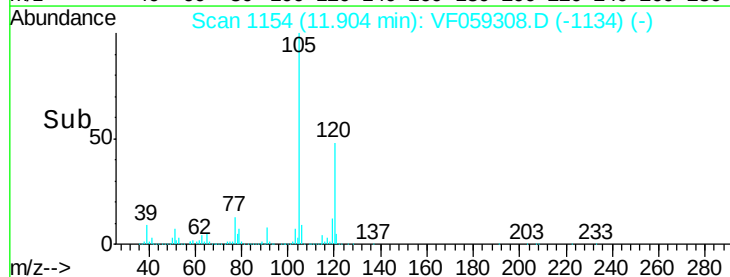
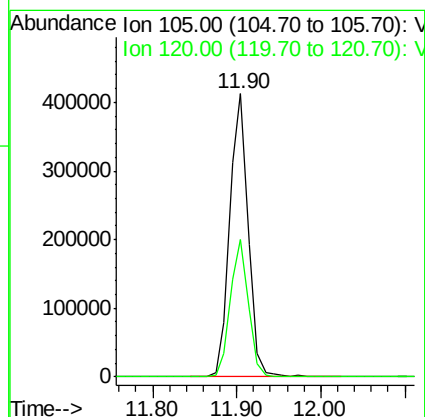
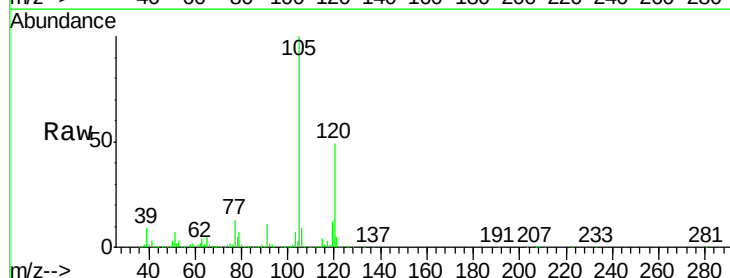
Acq: 25 Jun 2018 18:05

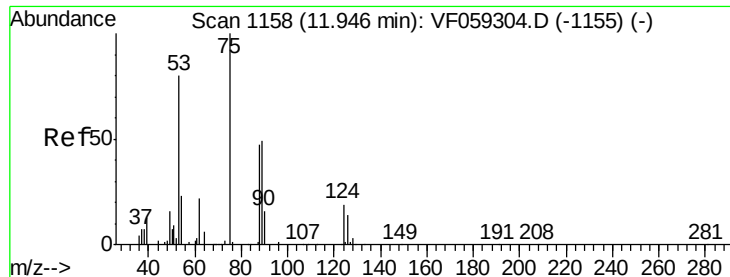
Tgt Ion:105 Resp: 625190

Ion Ratio Lower Upper

105 100

120 48.6 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 53.83 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

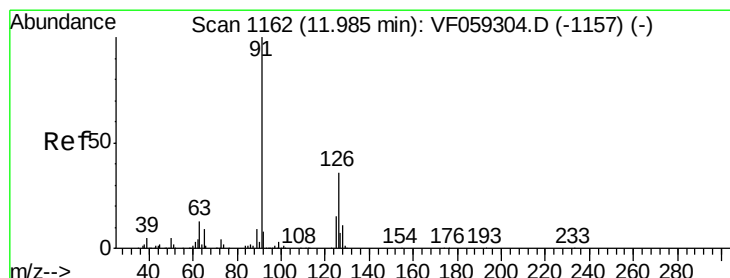
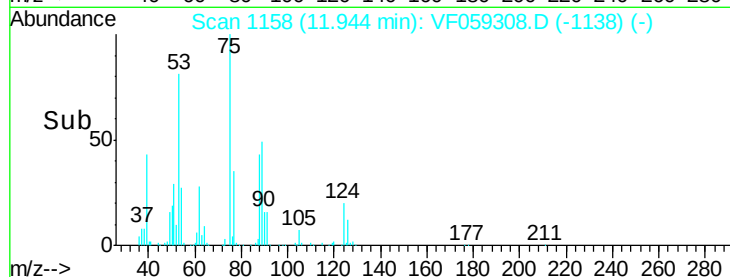
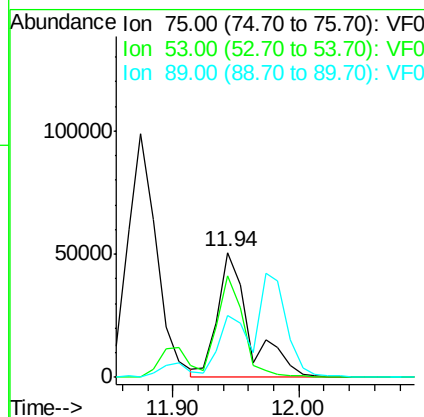
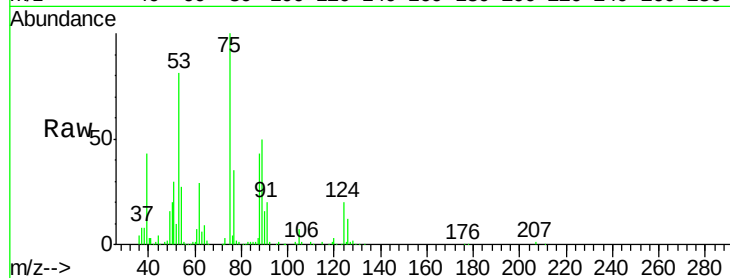
ClientSampleId :

ICVVF062518

Tot Ion:	75	Resp:	90589
Ion	Ratio	Lower	Upper
75	100		
53	81.1	68.8	103.2
89	49.6	42.0	63.0

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#82

4-Chlorotoluene

Concen: 49.75 ug/l

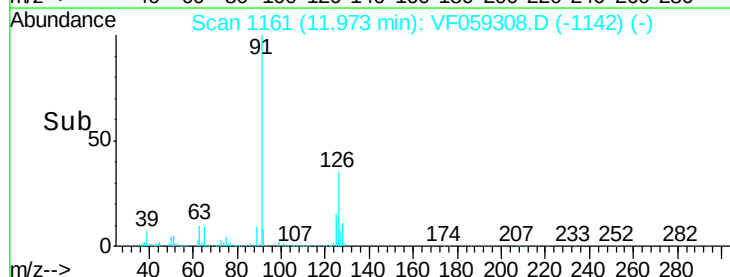
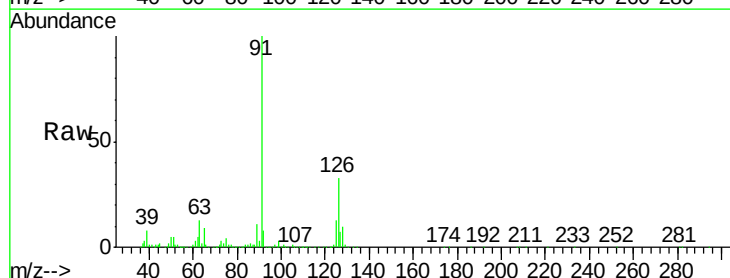
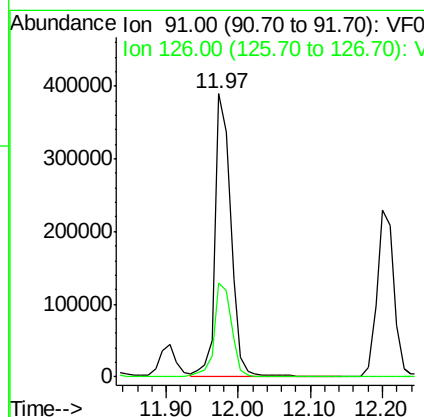
RT: 11.97 min Scan# 1161

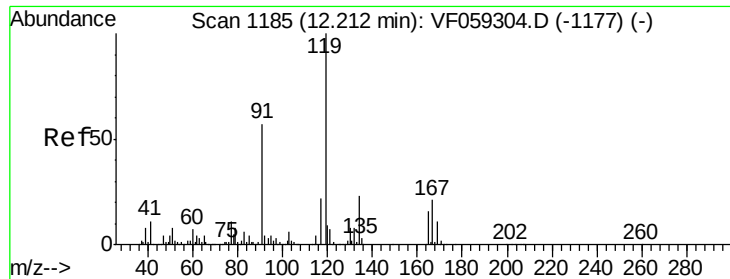
Delta R.T. -0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	91	Resp:	580249
Ion	Ratio	Lower	Upper
91	100		
126	33.1	18.2	54.6





#83

tert-Butylbenzene

Concen: 48.51 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Instrument :

MSVOA_F

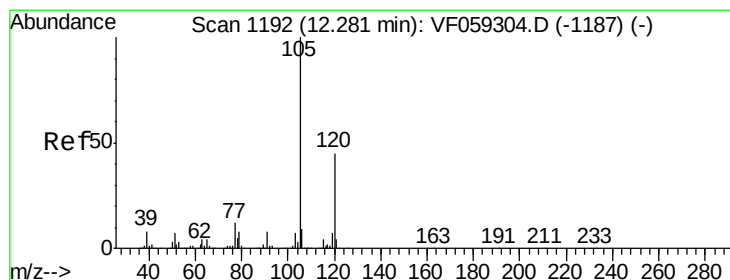
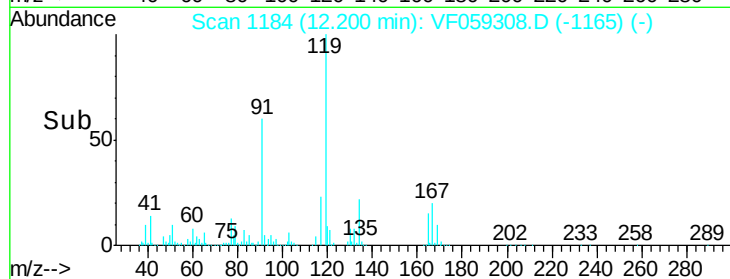
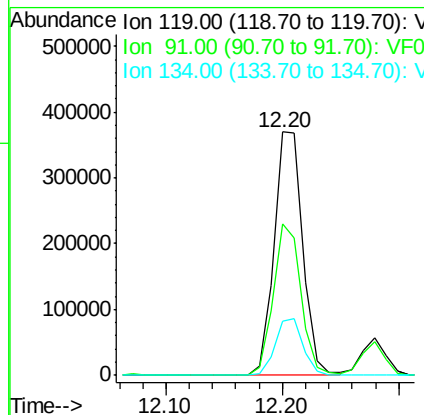
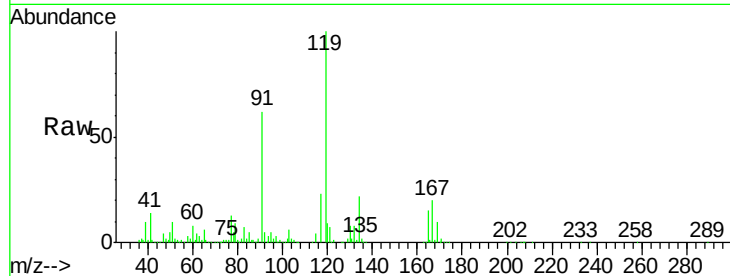
ClientSampleId :

ICVVF062518

Tot Ion:	119	Resp:	630679
Ion Ratio	Lower	Upper	
119	100		
91	62.2	28.4	85.2
134	22.3	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.69 ug/l

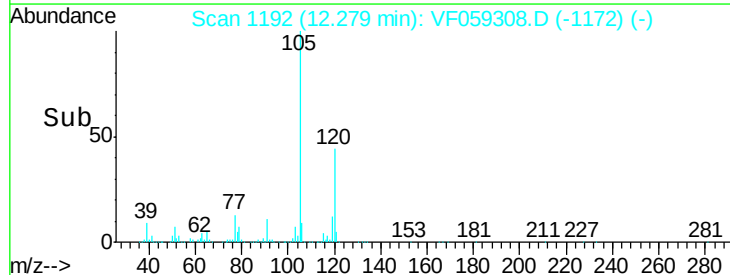
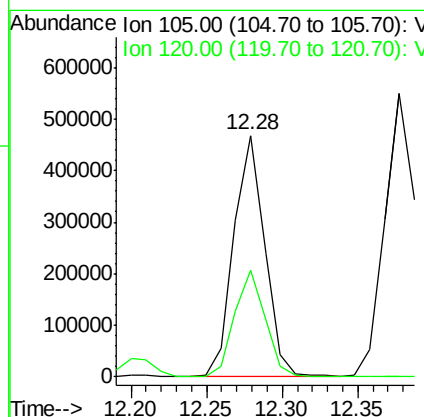
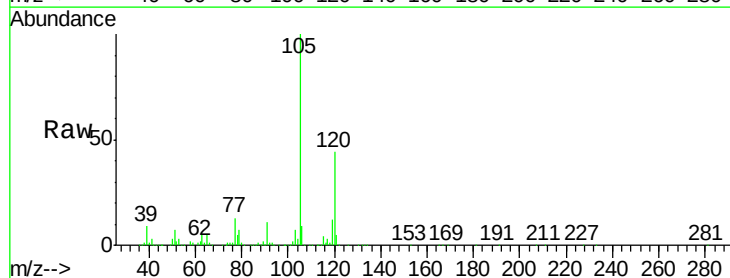
RT: 12.28 min Scan# 1192

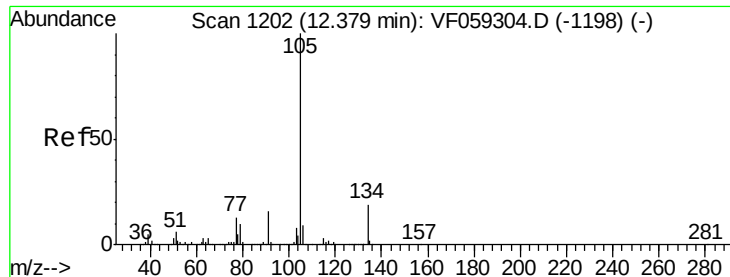
Delta R.T. -0.00 min

Lab File: VF059308.D

Acq: 25 Jun 2018 18:05

Tgt Ion:	105	Resp:	666646
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.8	68.4





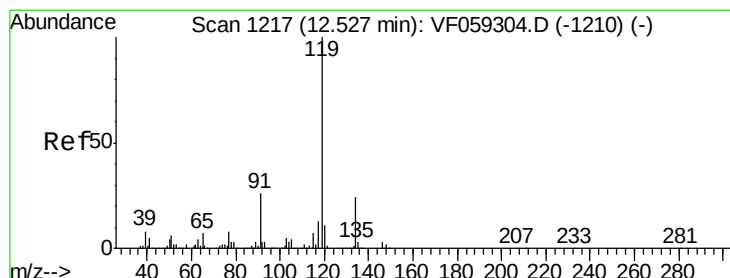
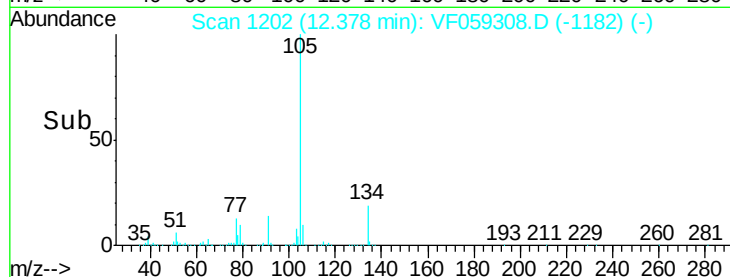
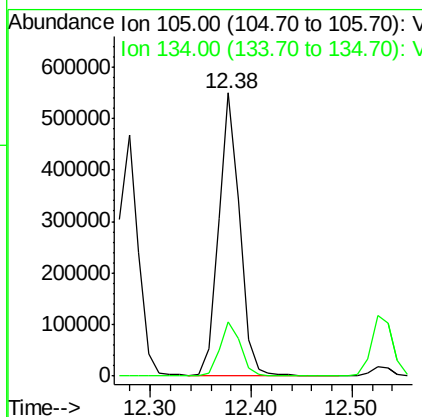
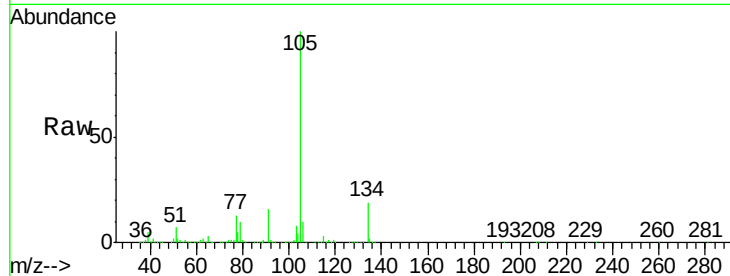
#85
 sec-Butylbenzene
 Concen: 46.18 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062518

Tot Ion	Ratio	Resp	Lower	Upper
105	100	795890		
134	19.1	9.4	28.3	

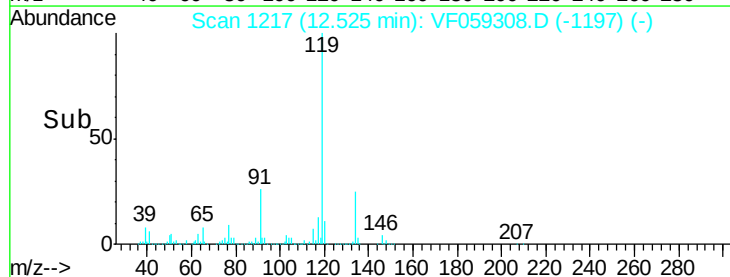
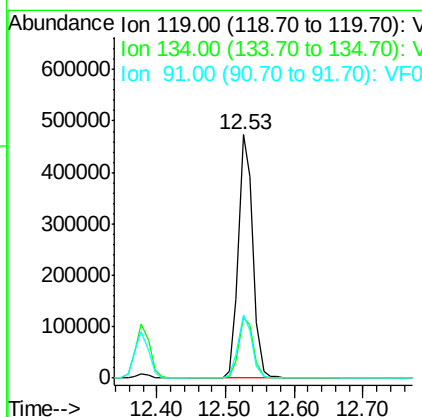
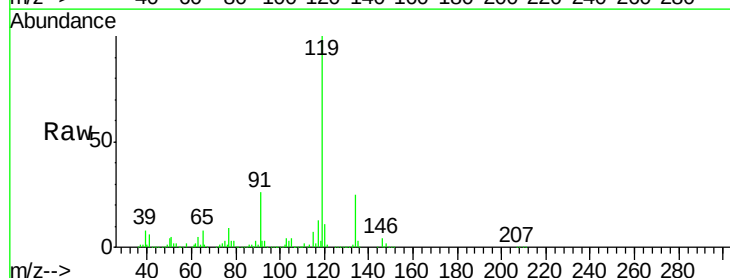
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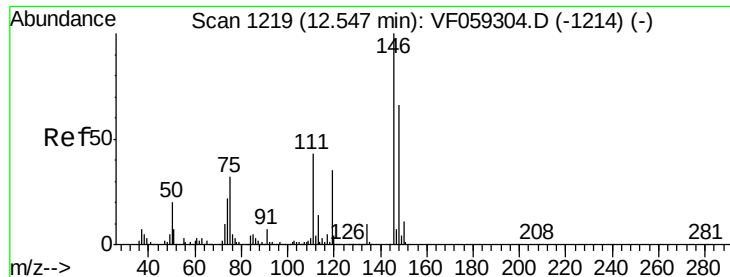
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#86
 p-Isopropyltoluene
 Concen: 47.78 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	691043		
134	24.7	12.2	36.4	
91	25.7	12.9	38.6	





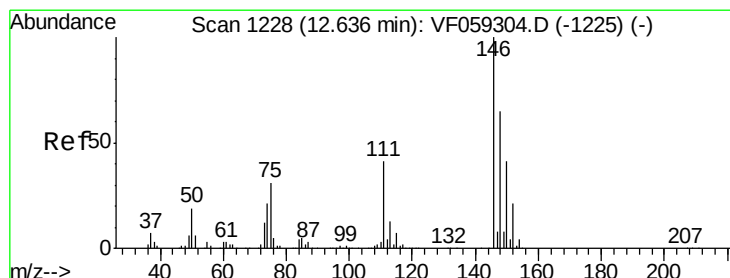
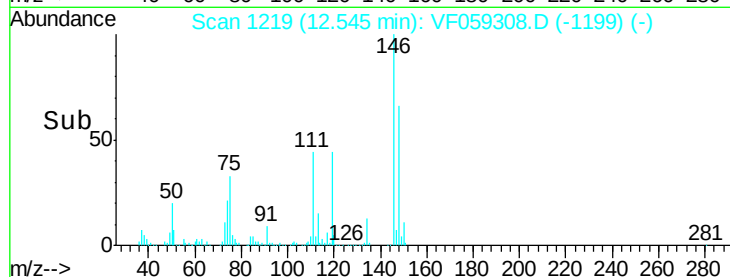
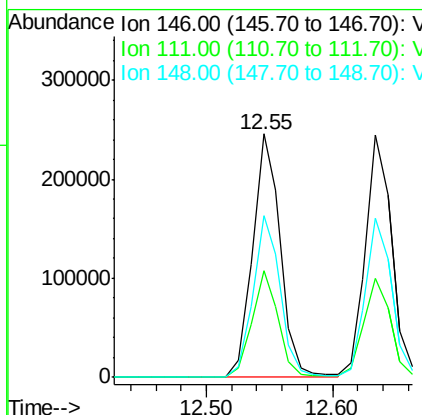
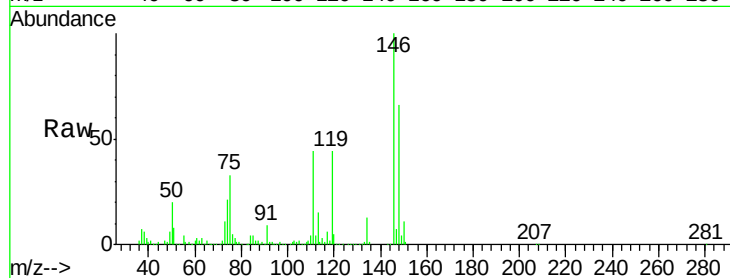
#87
 1,3-Dichlorobenzene
 Concen: 55.88 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062518

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.2
148	66.5	32.8	98.4

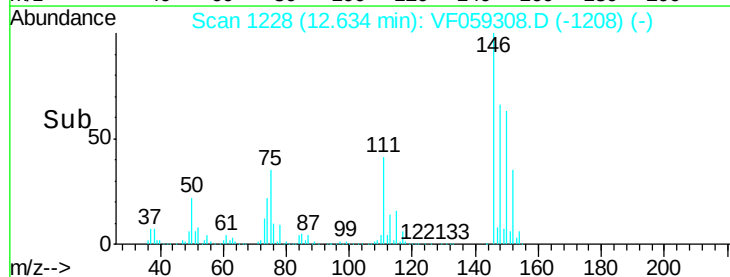
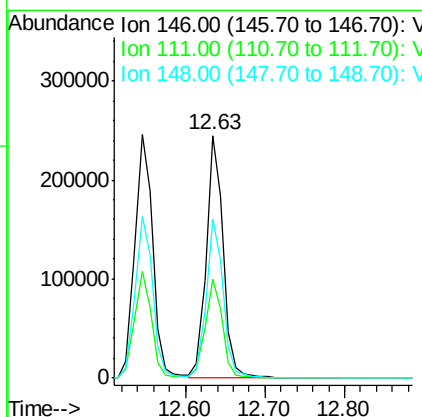
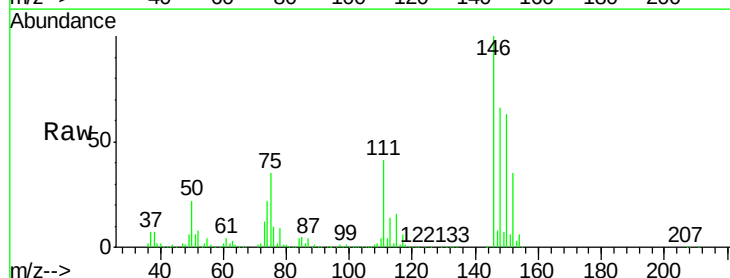
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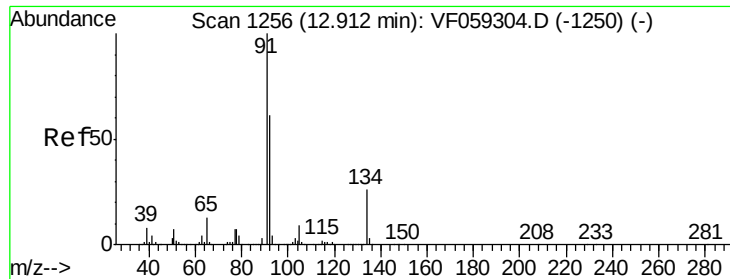
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#88
 1,4-Dichlorobenzene
 Concen: 49.26 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	65.6	32.8	98.3





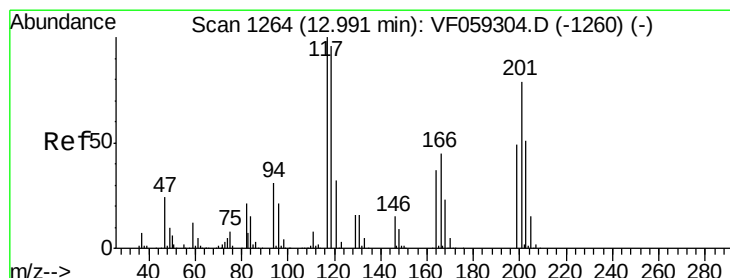
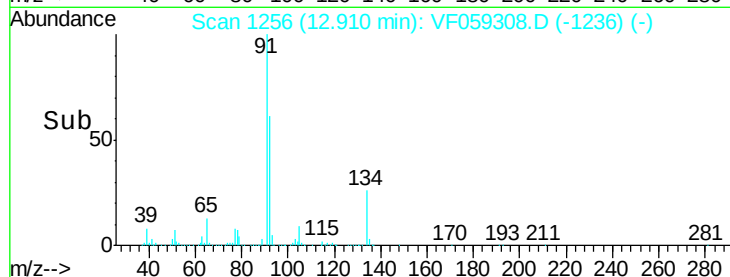
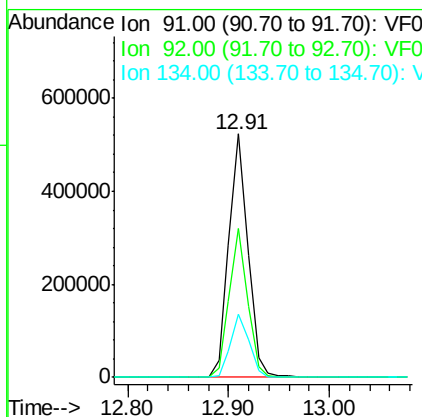
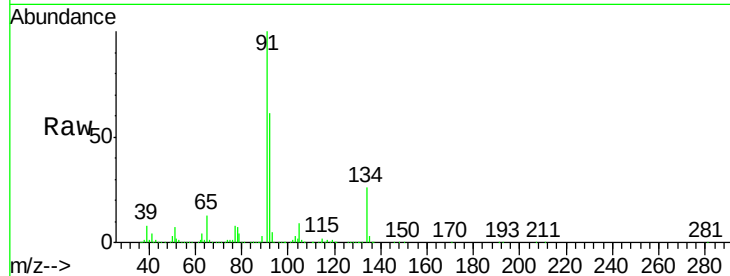
#89
n-Butylbenzene
Concen: 46.82 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.9	30.3	91.0
134	26.0	12.9	38.7

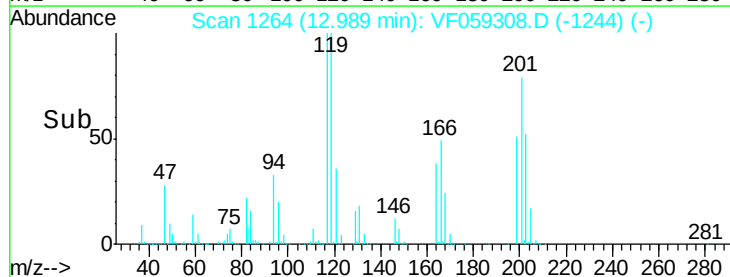
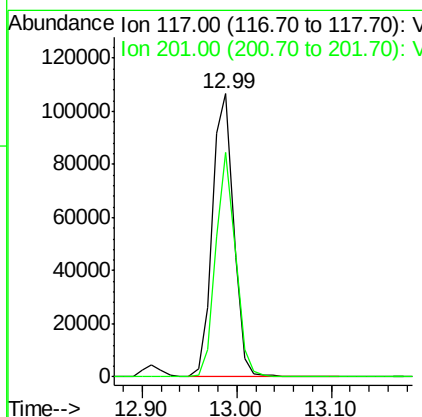
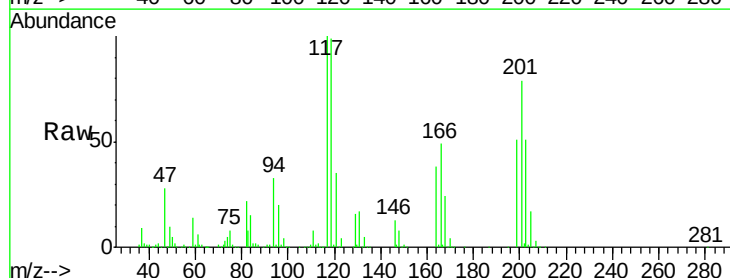
Manual Integrations
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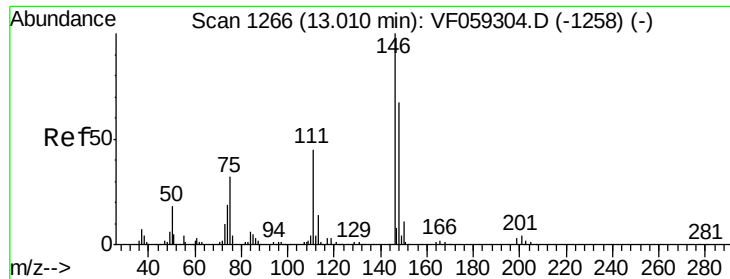
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#90
Hexachloroethane
Concen: 46.55 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.5	118.5





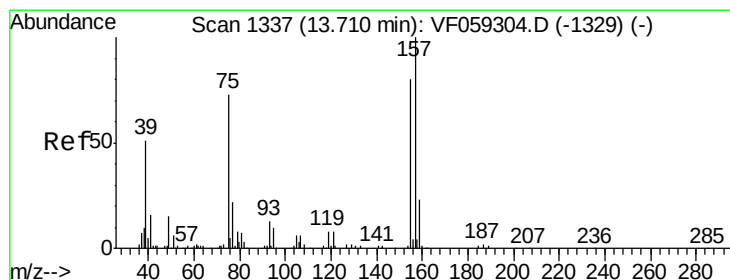
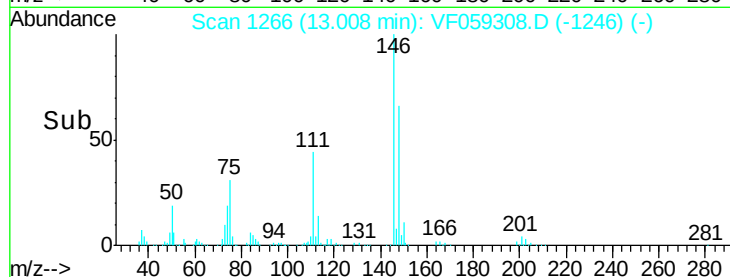
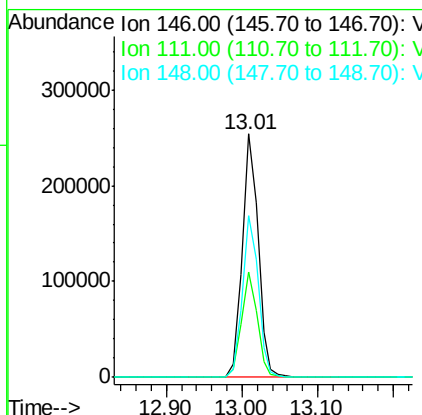
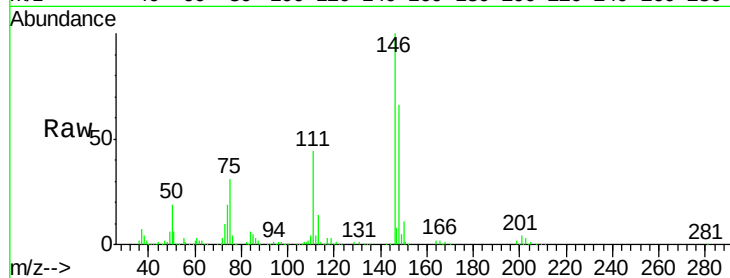
#91
 1,2-Dichlorobenzene
 Concen: 49.10 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062518

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.7	68.0
148	66.2	33.5	100.4

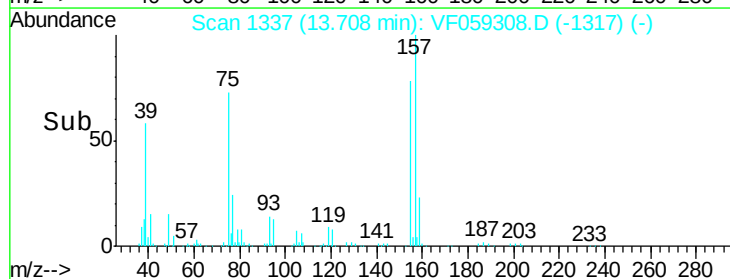
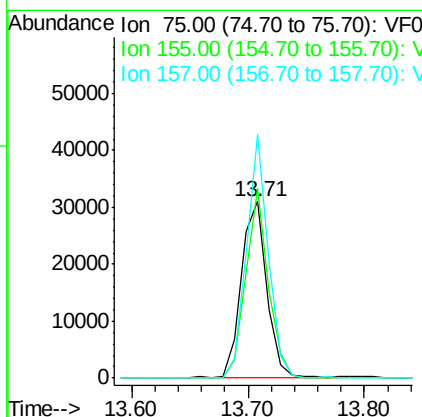
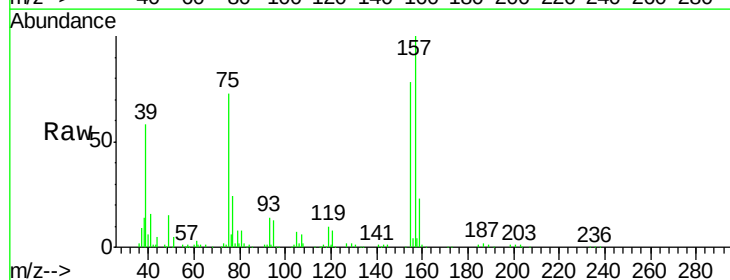
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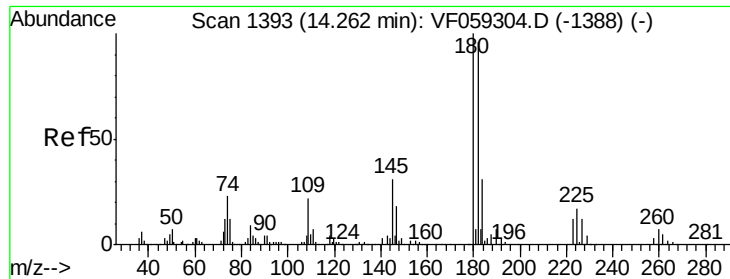
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.04 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.4	54.6	163.8
157	137.8	68.7	205.9





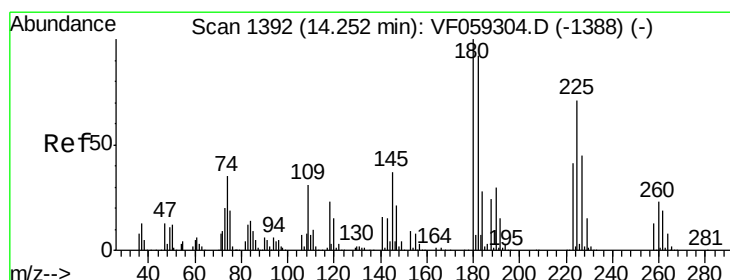
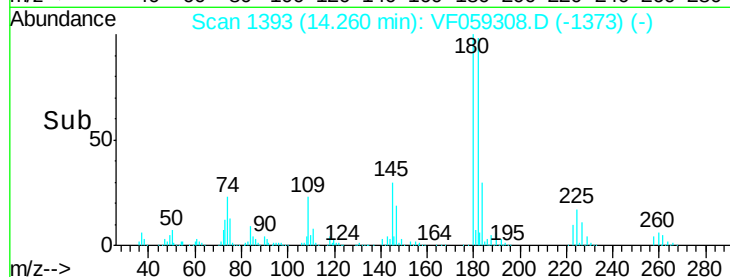
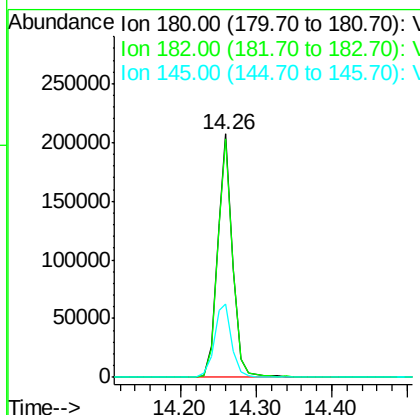
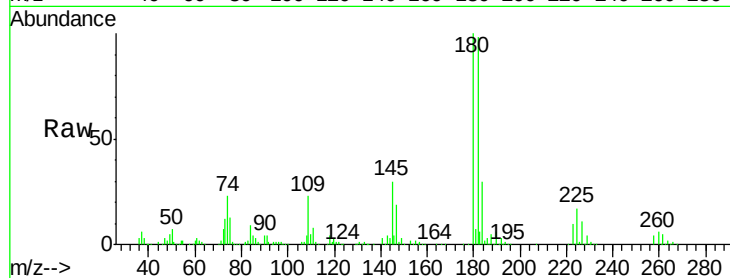
#93
 1,2,4-Trichlorobenzene
 Concen: 52.09 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF062518

Tot Ion	Ratio	Resp	Lower	Upper
180	100	287920		
182	98.0	48.1	144.3	
145	30.2	15.3	45.8	

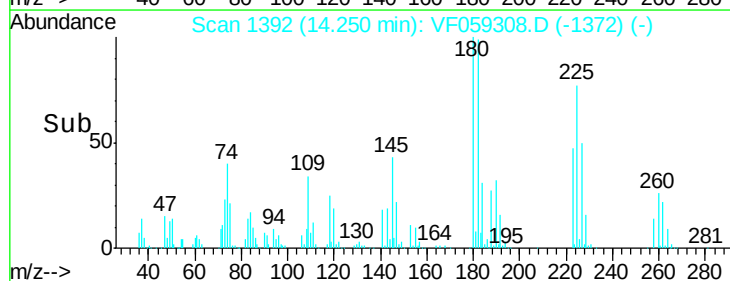
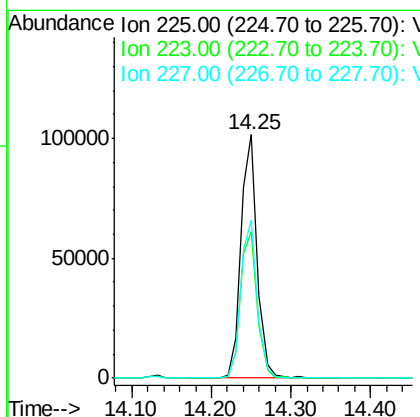
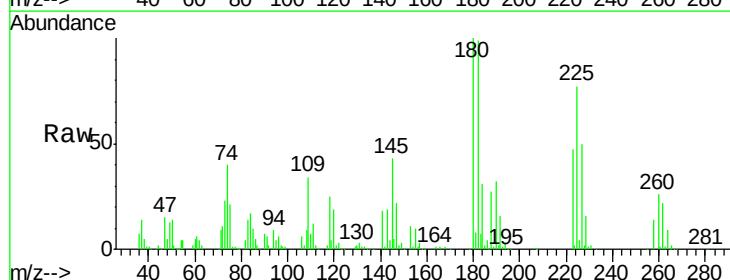
Manual Integrations
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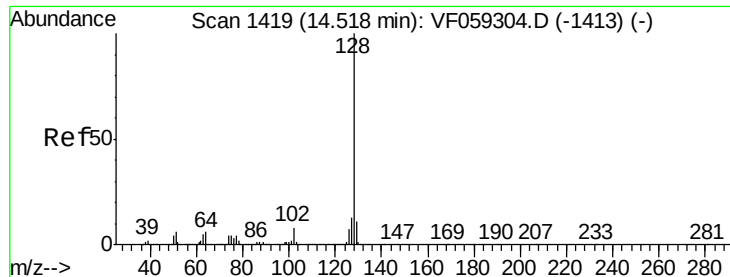
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#94
 Hexachlorobutadiene
 Concen: 46.62 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059308.D
 Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143914		
223	60.3	28.9	86.8	
227	65.0	31.3	93.8	





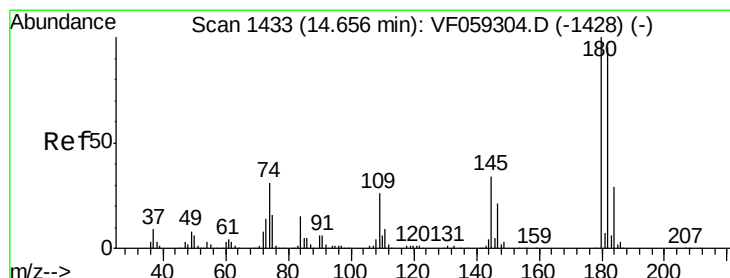
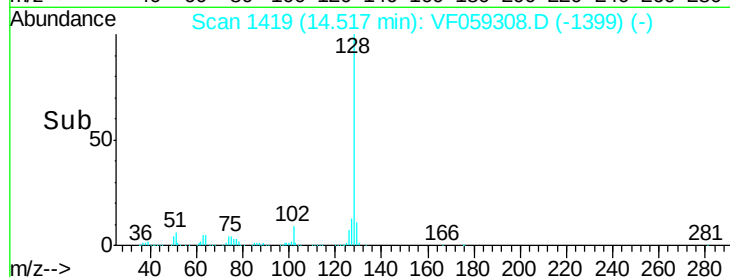
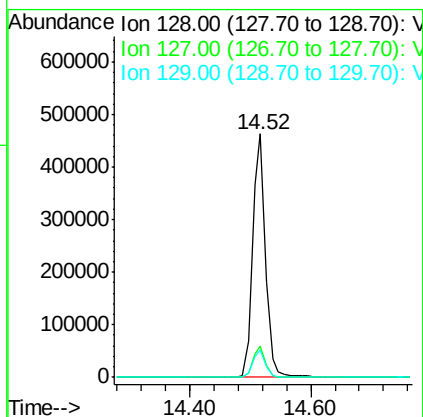
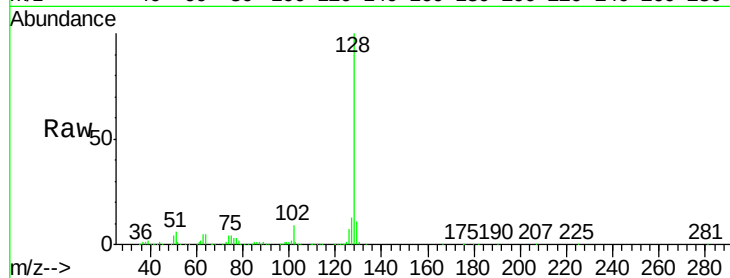
#95
Naphthalene
Concen: 59.04 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :
ICVVF062518

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.3	8.8	13.2

Manual Integrations
APPROVED

apatel
6/26/2018 10:04:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.23 ug/l
RT: 14.65 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059308.D
Acq: 25 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.5
145	33.0	17.0	50.9

