

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059869.D
 Acq On : 4 Aug 2018 7:02
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV080418

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:16 AM

Quant Time: Aug 06 02:23:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	221747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	333068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	334196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	206256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	194307	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	4.29	113	162300	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	7.71	98	407703	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
62) 4-Bromofluorobenzene	11.51	95	215308	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	170417	44.98	ug/l	99
3) Chloromethane	1.09	50	95129	54.28	ug/l	97
4) Vinyl Chloride	1.16	62	98973	55.13	ug/l	95
5) Bromomethane	1.34	94	79043	46.64	ug/l	97
6) Chloroethane	1.43	64	60009	53.21	ug/l	93
7) Trichlorofluoromethane	1.53	101	228886m	46.58	ug/l	
8) Diethyl Ether	1.70	74	39507	50.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	116262	42.87	ug/l	93
10) Methyl Iodide	1.96	142	215292	51.68	ug/l	93
11) Tert butyl alcohol	2.69	59	41168	255.30	ug/l	99
12) 1,1-Dichloroethene	1.85	96	97918	49.43	ug/l	86
13) Acrolein	2.09	56	24668	255.26	ug/l	96
14) Allyl chloride	2.19	41	161293	48.84	ug/l	88
15) Acrylonitrile	3.08	53	82238	278.31	ug/l	90
16) Acetone	2.34	43	172811	234.16	ug/l	95
17) Carbon Disulfide	1.89	76	274487	51.91	ug/l	97
18) Methyl Acetate	2.45	43	64821	52.06	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	289872	51.69	ug/l	96
20) Methylene Chloride	2.28	84	96735	53.08	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	101298	51.48	ug/l	98
22) Diisopropyl ether	2.93	45	343513	54.07	ug/l	91
23) Vinyl Acetate	3.34	43	902488	293.44	ug/l	99
24) 1,1-Dichloroethane	3.00	63	216086	46.70	ug/l	98
25) 2-Butanone	4.51	43	224261	279.46	ug/l	99
26) 2,2-Dichloropropane	3.77	77	129152	47.95	ug/l	94
27) cis-1,2-Dichloroethene	3.64	96	117529	53.12	ug/l	97
28) Bromochloromethane	3.89	49	81213	49.71	ug/l	91
29) Tetrahydrofuran	4.26	42	87994	297.86	ug/l	97
30) Chloroform	4.04	83	293331	46.86	ug/l	97
31) Cyclohexane	3.87	56	126551	55.26	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	232091	46.35	ug/l	98
36) 1,1-Dichloropropene	4.46	75	186330	48.37	ug/l	97
37) Ethyl Acetate	4.29	43	98277	59.41	ug/l #	60
38) Carbon Tetrachloride	4.18	117	268175	48.63	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	153626	53.17	ug/l	97
40) Benzene	4.82	78	353962	53.85	ug/l	99
41) Methacrylonitrile	4.93	41	43971	50.37	ug/l #	91
42) 1,2-Dichloroethane	5.12	62	243508	45.65	ug/l	99
43) Isopropyl Acetate	7.11	43	103857	60.98	ug/l #	97
44) Trichloroethene	5.67	130	128292	50.00	ug/l	93
45) 1,2-Dichloropropane	6.40	63	94857	53.65	ug/l #	81
46) Dibromomethane	6.26	93	86626	48.56	ug/l	95
47) Bromodichloromethane	6.55	83	240186	49.23	ug/l	94
48) Methyl methacrylate	6.88	41	80875	61.03	ug/l	97
49) 1,4-Dioxane	6.87	88	11208	1163.06	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	497878	285.89	ug/l	97
52) Toluene	7.78	92	259820	53.40	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	191345	51.56	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	201566	52.62	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	88876	50.74	ug/l	95
56) Ethyl methacrylate	8.77	69	109725	56.65	ug/l	88
57) 1,3-Dichloropropane	9.01	76	162778	54.12	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	54438	234.92	ug/l	100
59) 2-Hexanone	9.64	43	373117	303.30	ug/l	94
60) Dibromochloromethane	8.87	129	162535	49.46	ug/l	92
61) 1,2-Dibromoethane	9.14	107	113255	53.07	ug/l	93
64) Tetrachloroethene	8.32	164	143109	49.64	ug/l	92
65) Chlorobenzene	9.94	112	339184	50.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	157612	46.71	ug/l	96
67) Ethyl Benzene	10.04	91	607157	51.38	ug/l	97
68) m/p-Xylenes	10.28	106	423413	103.65	ug/l	88
69) o-Xylene	10.83	106	237608	54.91	ug/l	87
70) Styrene	10.91	104	337038	52.19	ug/l	98
71) Bromoform	10.89	173	99961	48.34	ug/l	96
73) Isopropylbenzene	11.23	105	706899	55.03	ug/l	98
74) N-amyl acetate	11.47	43	192444	59.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	130832	54.24	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	109985	53.09	ug/l	99
77) Bromobenzene	11.60	156	186562	53.40	ug/l	99
78) n-propylbenzene	11.69	91	786029	51.81	ug/l	98
79) 2-Chlorotoluene	11.83	91	431481	44.96	ug/l	84
80) 1,3,5-Trimethylbenzene	11.91	105	610392	51.17	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	45817m	61.57	ug/l	
82) 4-Chlorotoluene	11.99	91	550566	52.83	ug/l	99
83) tert-Butylbenzene	12.22	119	614679	52.94	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	633666	51.65	ug/l	98
85) sec-Butylbenzene	12.39	105	795359	51.55	ug/l	100
86) p-Isopropyltoluene	12.54	119	694095	53.52	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	333123	50.32	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	330198	50.81	ug/l	97
89) n-Butylbenzene	12.92	91	631841	51.12	ug/l	97
90) Hexachloroethane	13.00	117	171534	47.93	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	326227	51.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	33403	54.93	ug/l	94

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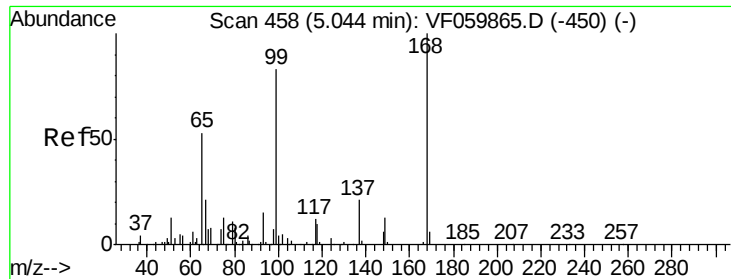
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	256253	52.98	ug/l	97
94) Hexachlorobutadiene	14.26	225	162397	47.53	ug/l	98
95) Naphthalene	14.53	128	492654	58.83	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	253651	53.11	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059869.D

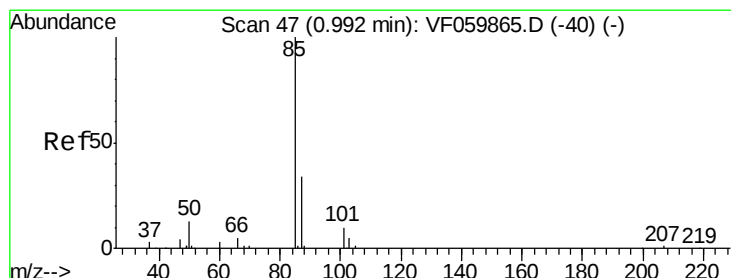
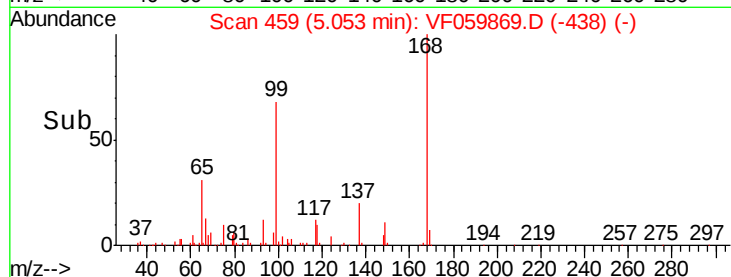
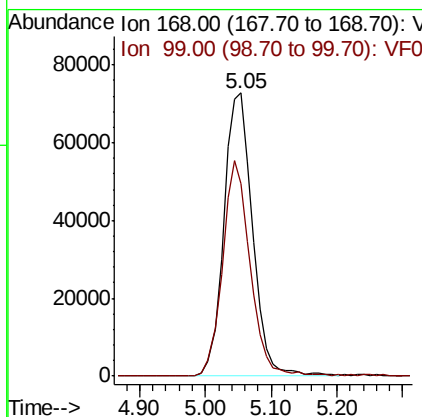
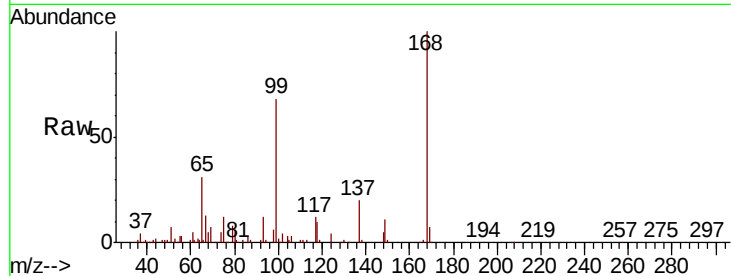
Acq: 4 Aug 2018 7:02

Tot Ion:	168	Resp:	221747
Ion Ratio	Lower	Upper	
168	100		
99	68.1	66.3	99.5

Instrument :
MSVOA_F
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ICVVF080418

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#2

Dichlorodifluoromethane

Concen: 44.98 ug/l

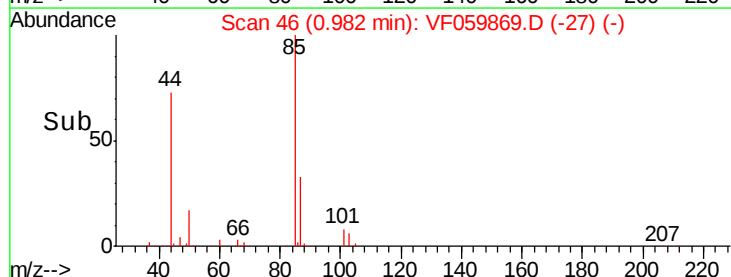
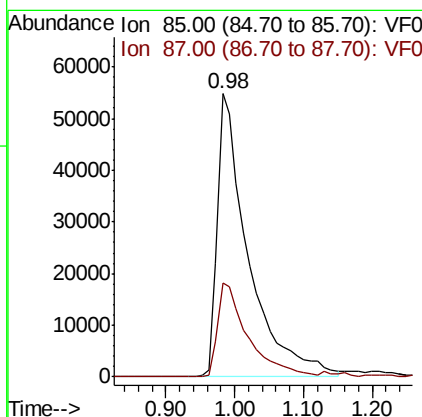
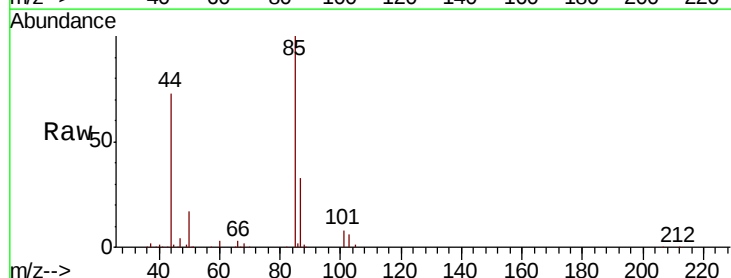
RT: 0.98 min Scan# 46

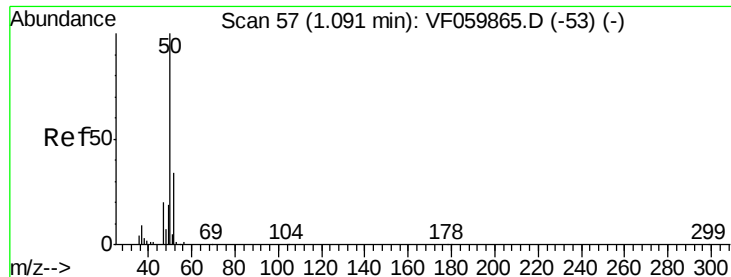
Delta R.T. -0.01 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	85	Resp:	170417
Ion Ratio	Lower	Upper	
85	100		
87	33.3	16.9	50.7





#3

Chloromethane

Concen: 54.28 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 50 Resp: 95129

Ion Ratio Lower Upper

50 100

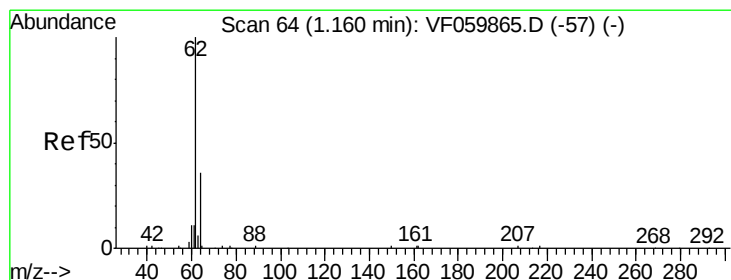
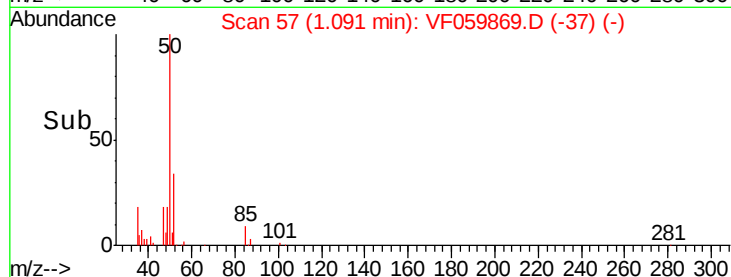
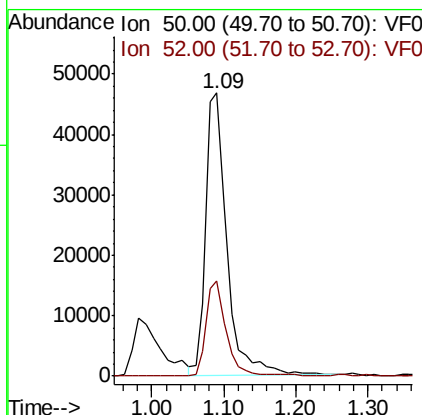
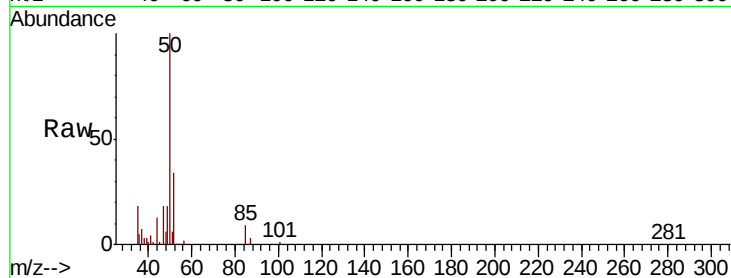
52 33.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.13 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059869.D

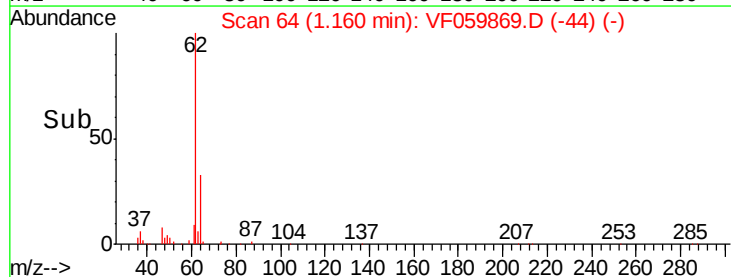
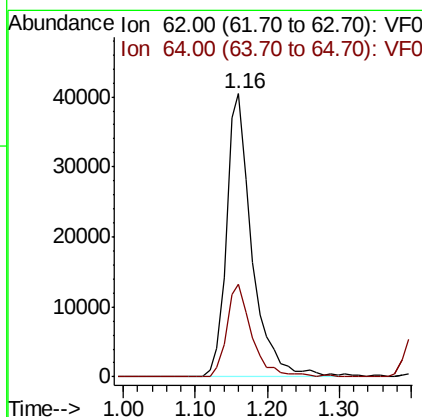
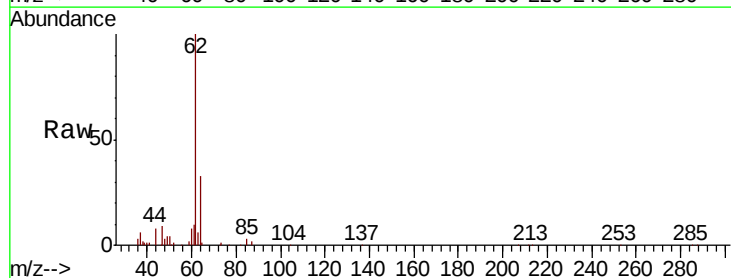
Acq: 4 Aug 2018 7:02

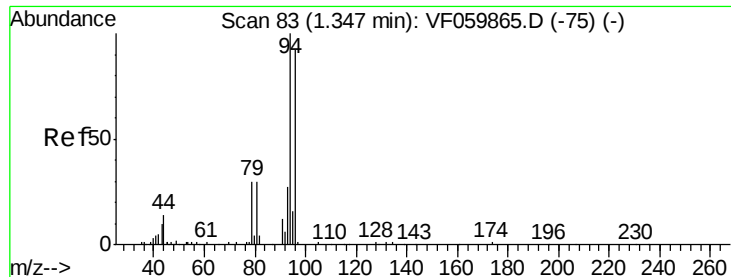
Tgt Ion: 62 Resp: 98973

Ion Ratio Lower Upper

62 100

64 32.5 28.5 42.7





#5

Bromomethane

Concen: 46.64 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

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Tot Ion: 94 Resp: 79043

Ion Ratio Lower Upper

94 100

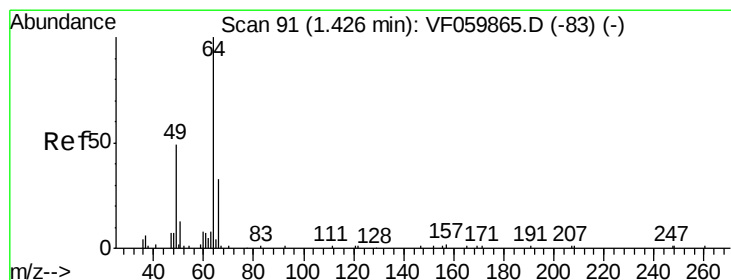
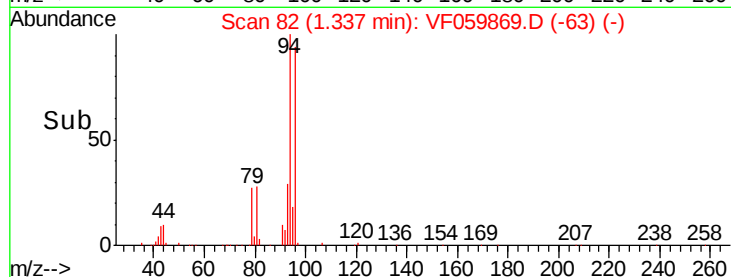
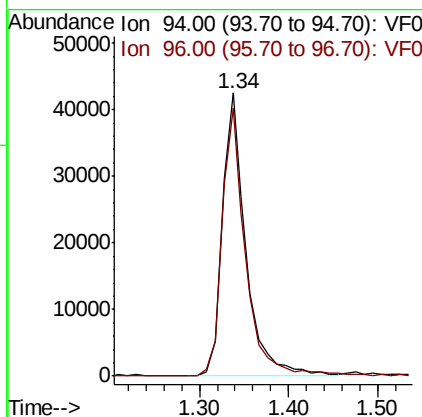
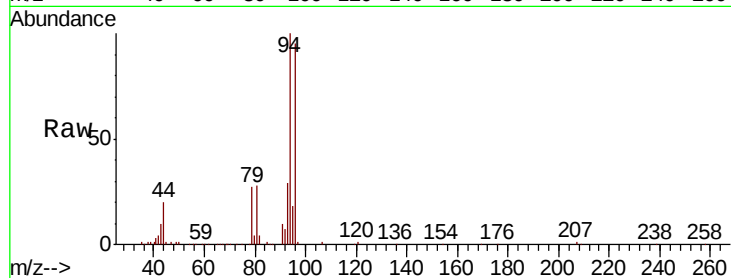
96 94.7 73.8 110.8

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#6

Chloroethane

Concen: 53.21 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059869.D

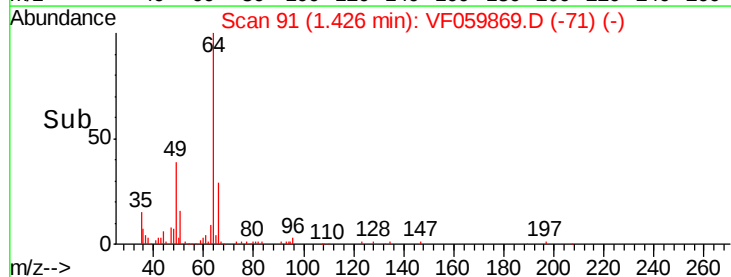
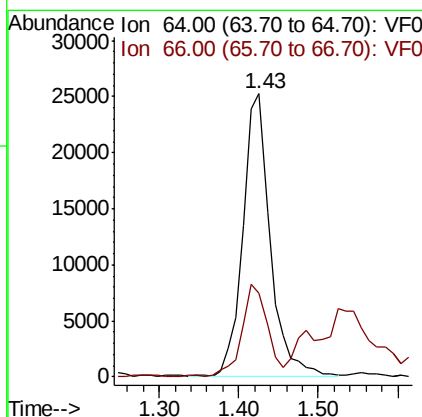
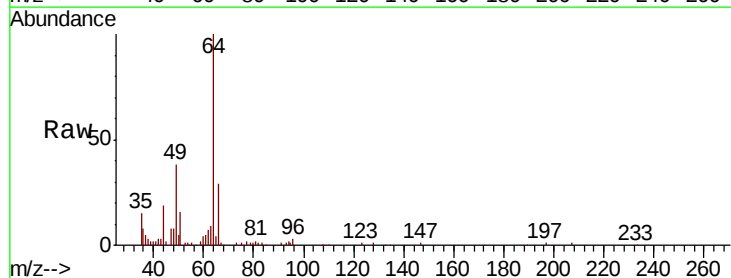
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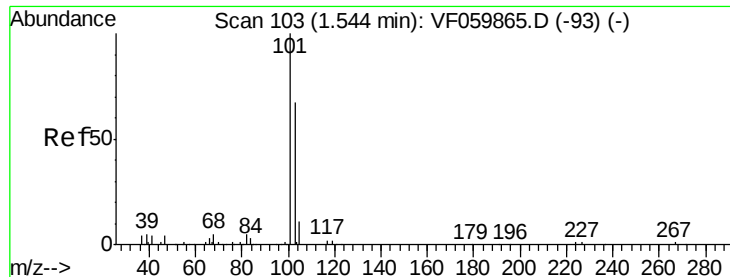
Tgt Ion: 64 Resp: 60009

Ion Ratio Lower Upper

64 100

66 29.4 26.9 40.3





#7

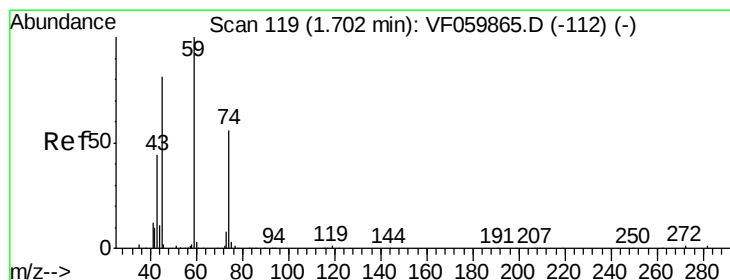
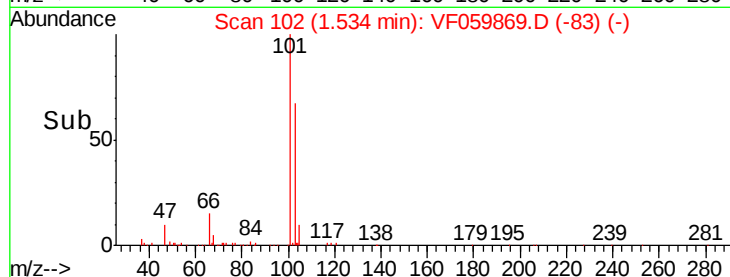
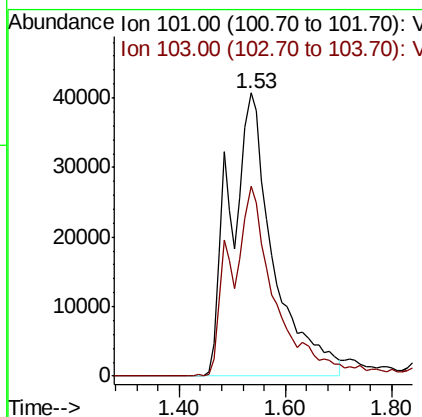
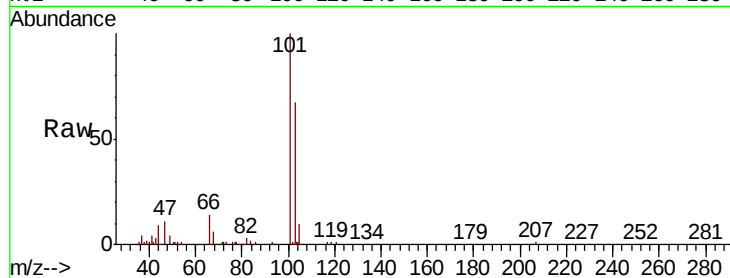
Trichlorofluoromethane
 Concen: 46.58 ug/l m
 RT: 1.53 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF059869.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		228886		
103	67.3	53.6	80.4		

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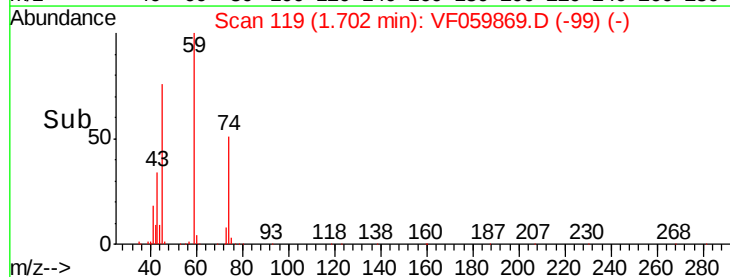
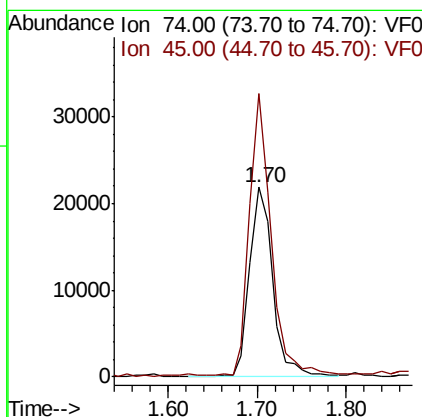
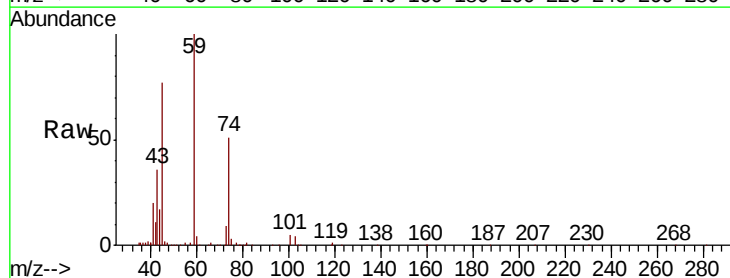
apatel
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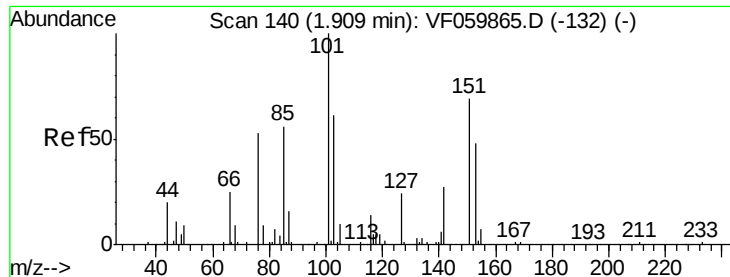


#8

Diethyl Ether
 Concen: 50.66 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		39507		
45	149.4	73.6	220.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.87 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

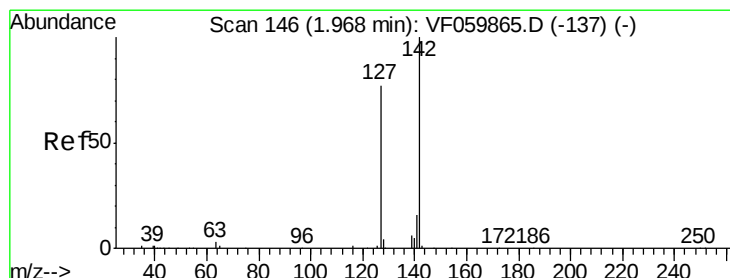
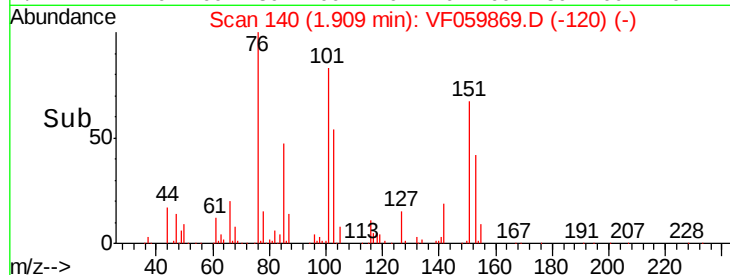
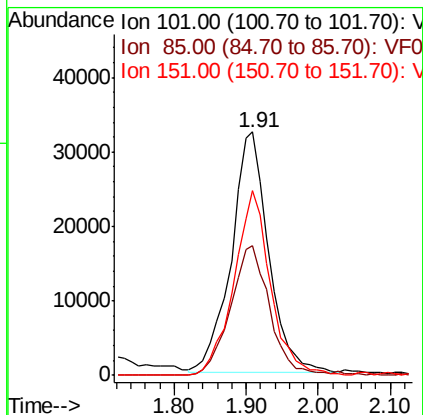
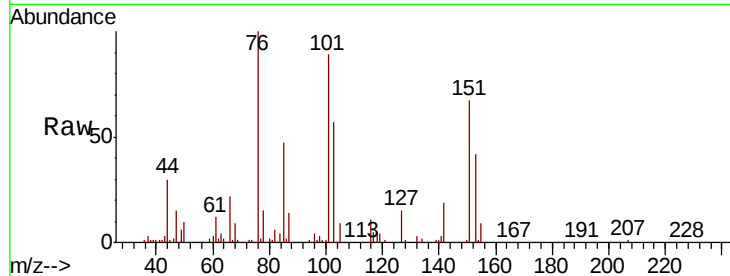
ClientSampleId :

ICVVF080418

Tot Ion:	101	Resp:	116262
Ion Ratio	Lower	Upper	
101	100		
85	53.1	44.5	66.7
151	75.9	53.8	80.8

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#10

Methyl Iodide

Concen: 51.68 ug/l

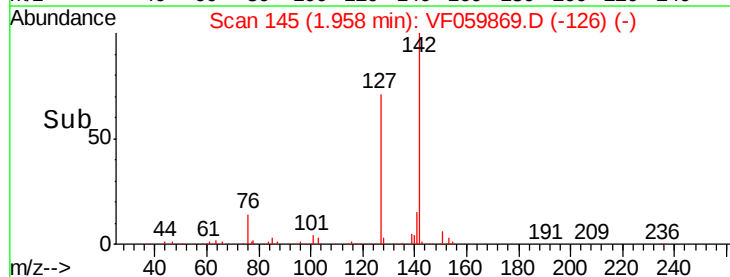
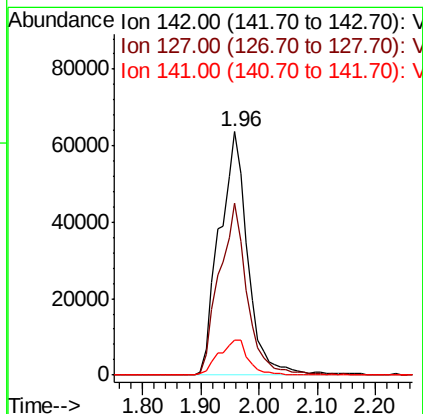
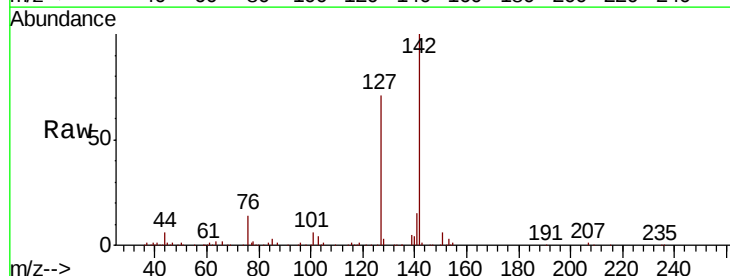
RT: 1.96 min Scan# 145

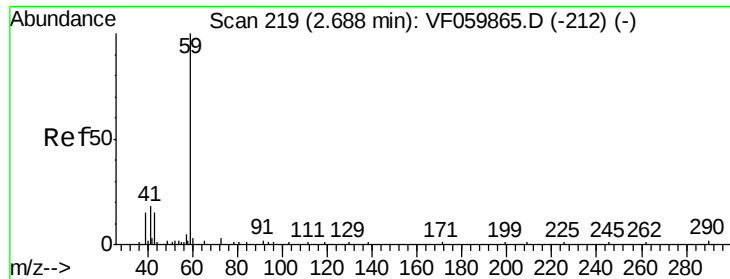
Delta R.T. -0.01 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	142	Resp:	215292
Ion Ratio	Lower	Upper	
142	100		
127	70.6	61.5	92.3
141	14.6	13.0	19.4





#11

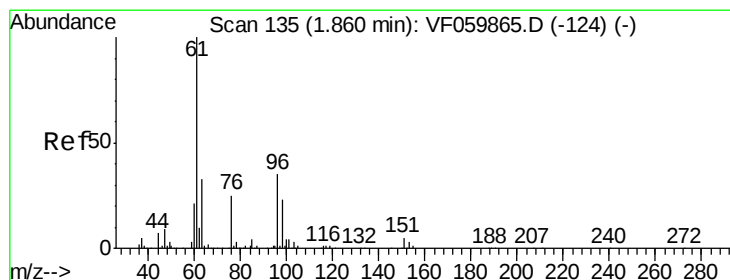
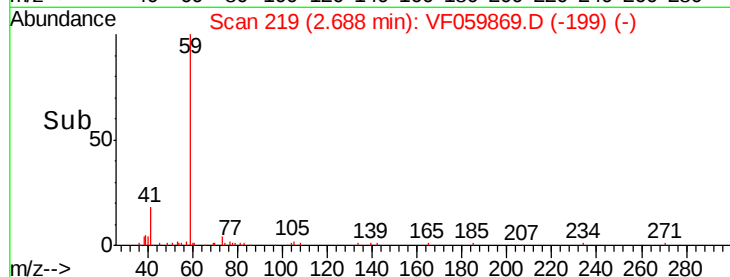
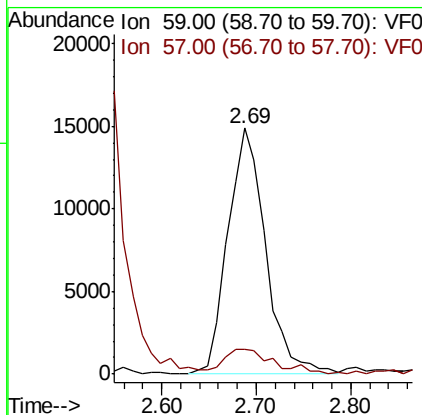
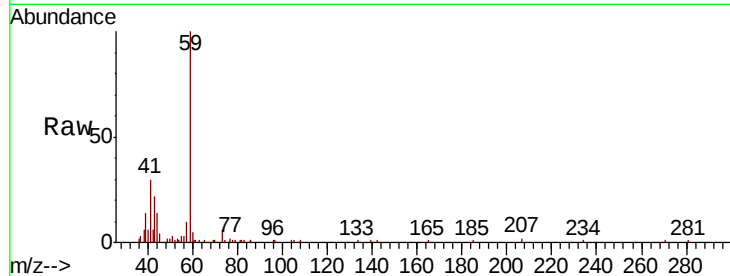
Tert butyl alcohol
Concen: 255.30 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.6	11.4

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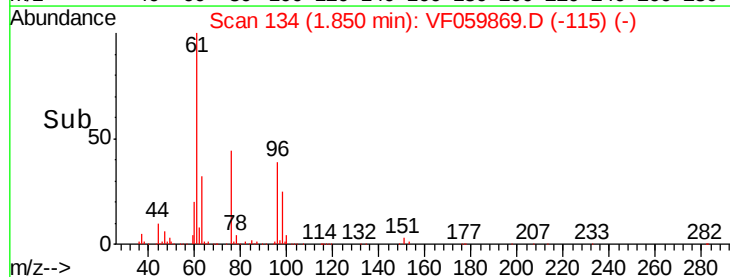
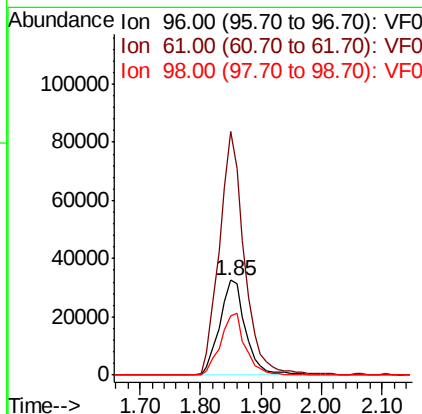
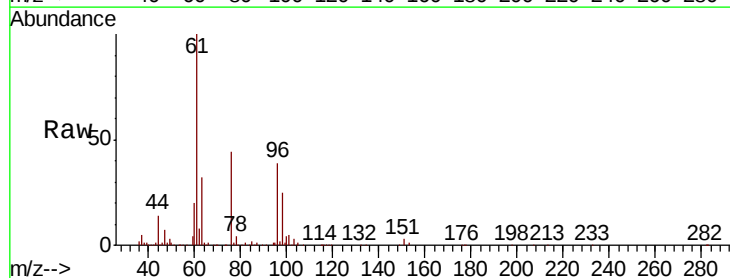
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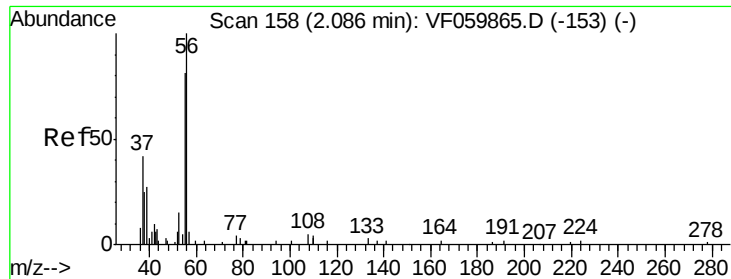


#12

1,1-Dichloroethene
Concen: 49.43 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	256.5	230.2	345.2
98	62.9	52.7	79.1





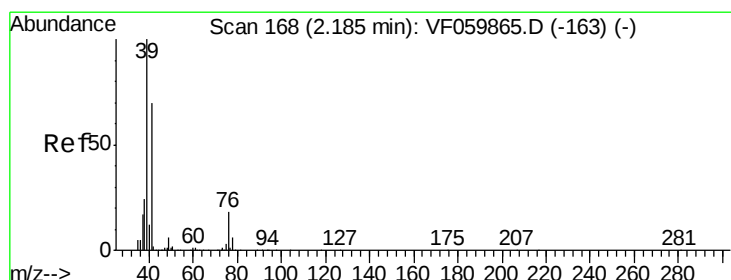
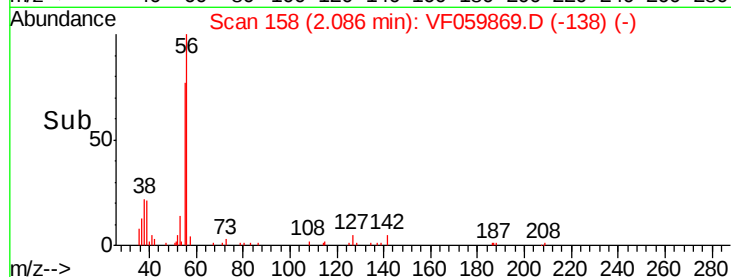
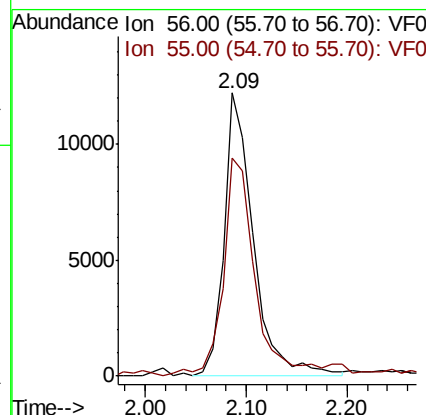
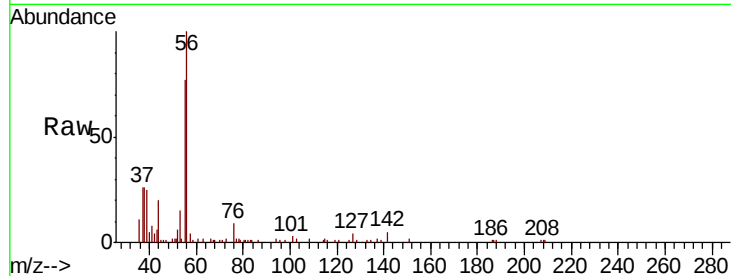
#13
Acrolein
Concen: 255.26 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	56	Resp	24668
Ion Ratio	100	Lower	Upper
55	77.1	64.6	96.8

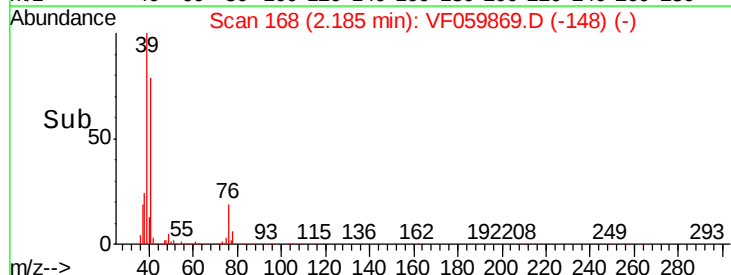
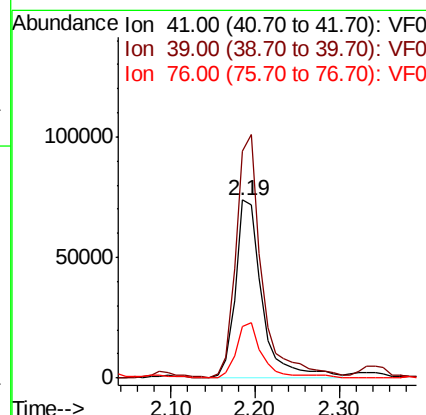
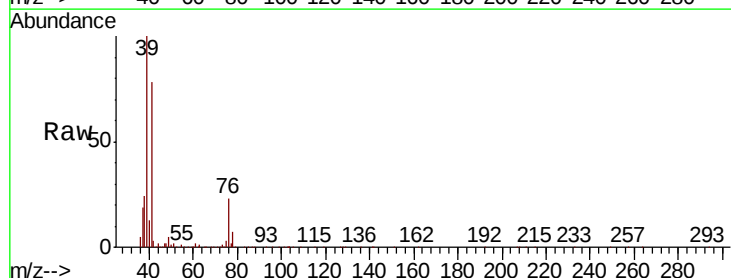
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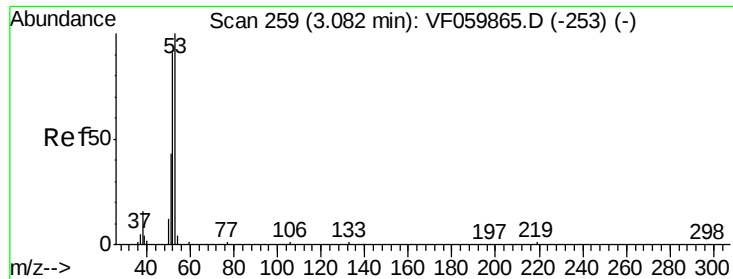
apatel
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#14
Allyl chloride
Concen: 48.84 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	41	Resp	161293
Ion Ratio	100	Lower	Upper
39	127.4	114.6	171.8
76	29.2	21.0	31.4





#15

Acrylonitrile

Concen: 278.31 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

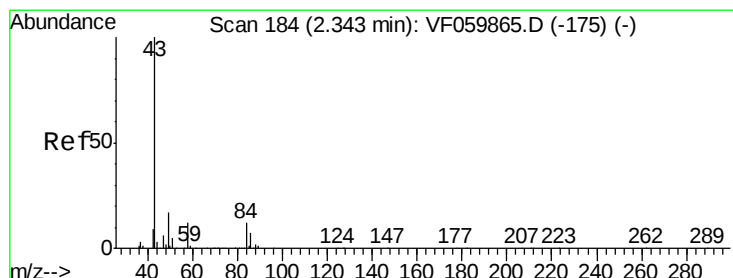
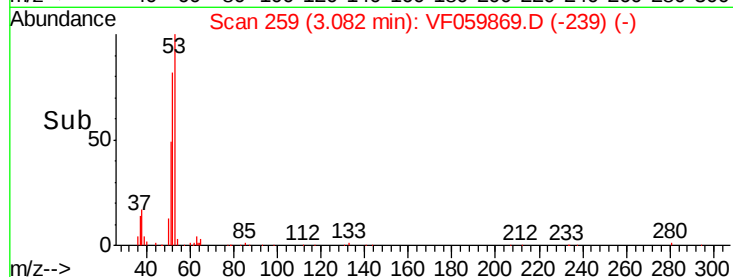
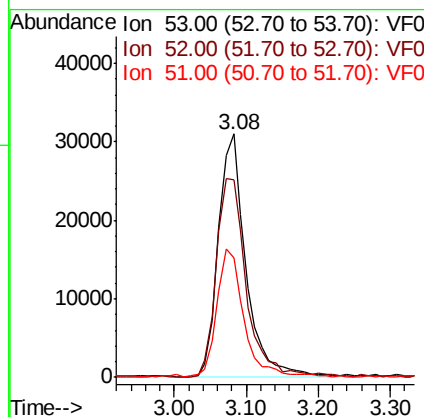
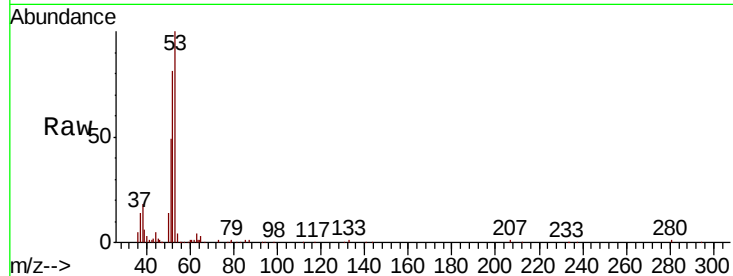
ClientSampleId :

ICVVF080418

Tot Ion:	53	Resp:	82238
Ion	Ratio	Lower	Upper
53	100		
52	81.0	72.9	109.3
51	49.1	34.5	51.7

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#16

Acetone

Concen: 234.16 ug/l

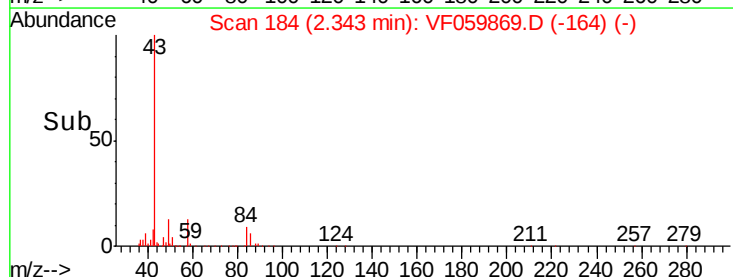
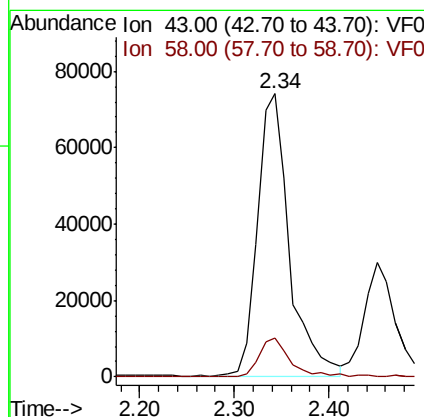
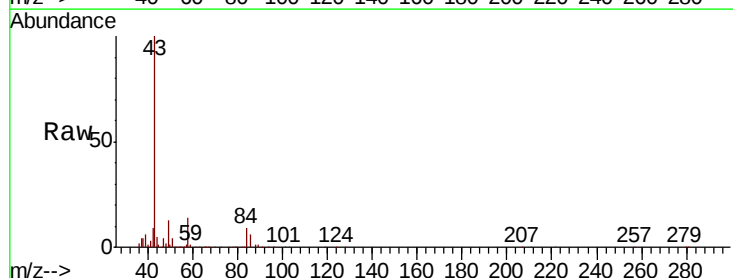
RT: 2.34 min Scan# 184

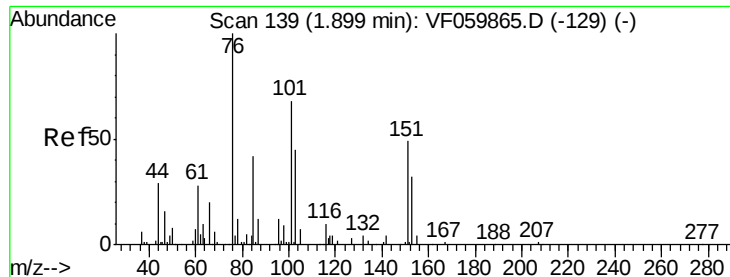
Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	43	Resp:	172811
Ion	Ratio	Lower	Upper
43	100		
58	13.7	9.4	14.0





#17

Carbon Disulfide

Concen: 51.91 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tot Ion: 76 Resp: 274487

Ion Ratio Lower Upper

76 100

78 10.5 9.3 13.9

Instrument :

MSVOA_F

ClientSampleId :

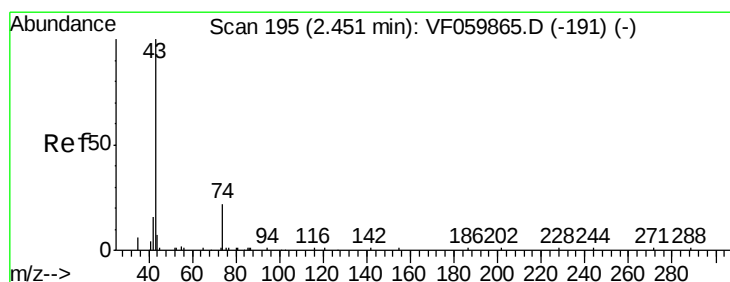
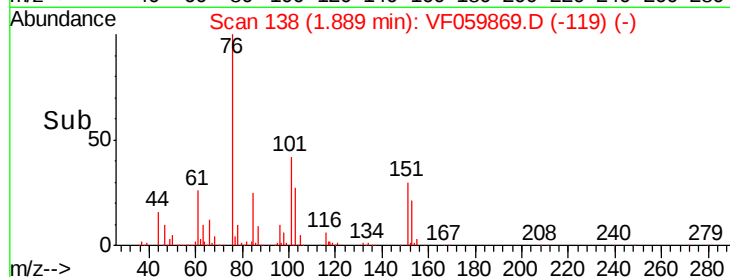
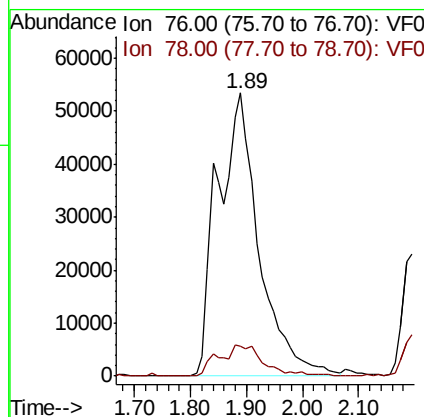
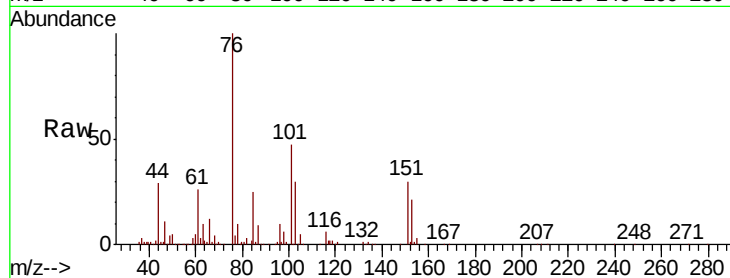
ICVVF080418

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#18

Methyl Acetate

Concen: 52.06 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059869.D

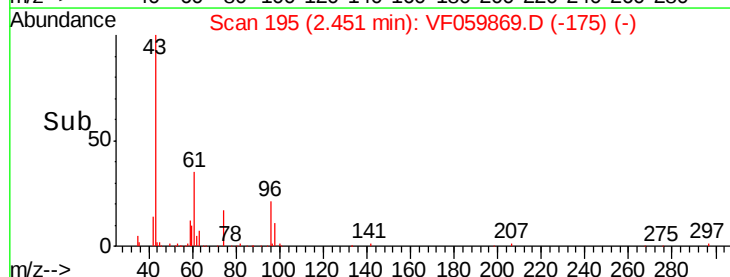
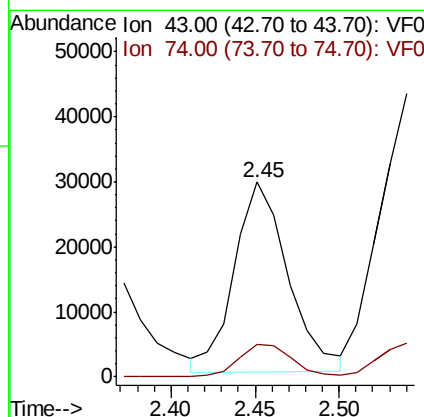
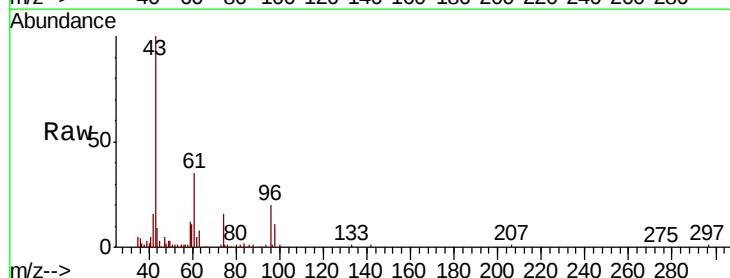
Acq: 4 Aug 2018 7:02

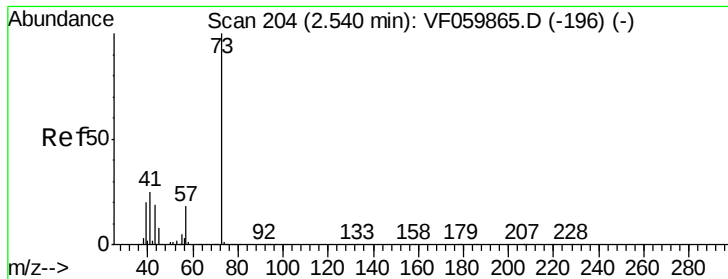
Tgt Ion: 43 Resp: 64821

Ion Ratio Lower Upper

43 100

74 16.5 16.3 24.5





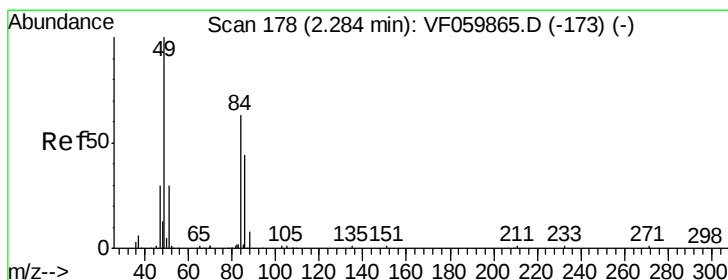
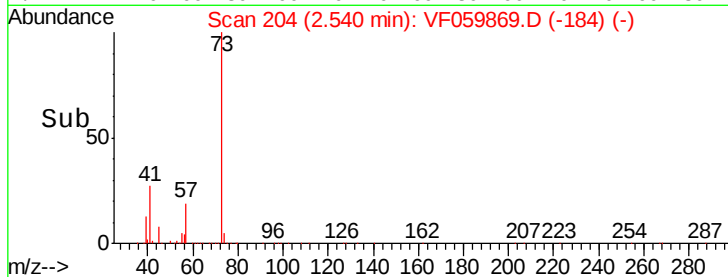
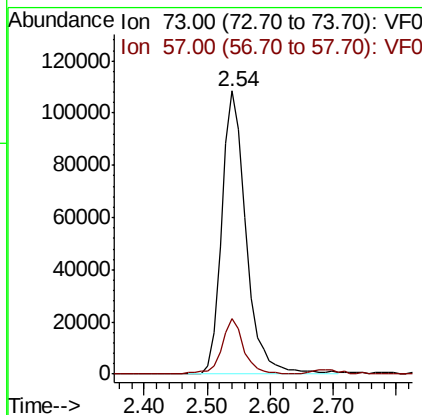
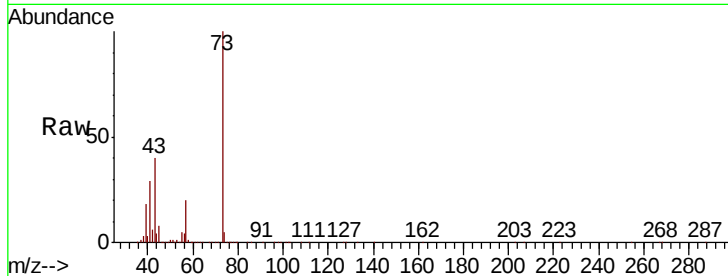
#19
Methvl tert-butvl Ether
Concen: 51.69 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	14.3	21.5

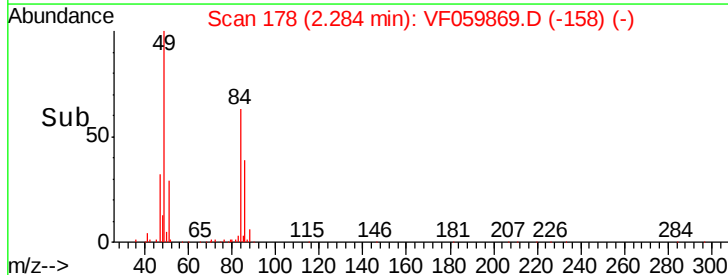
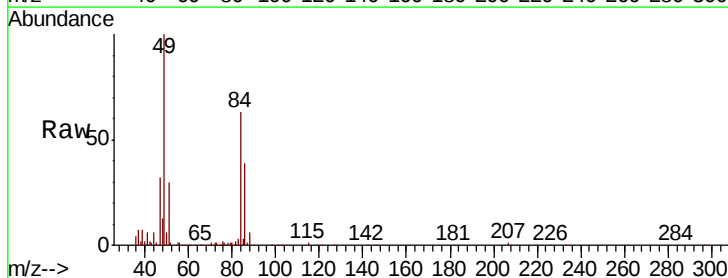
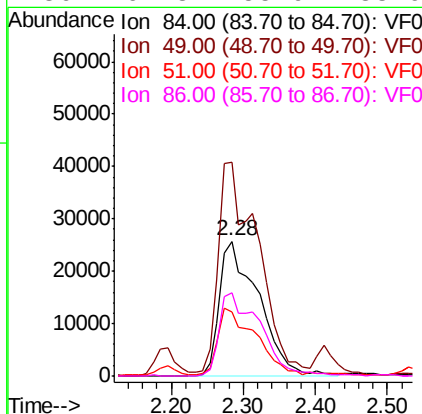
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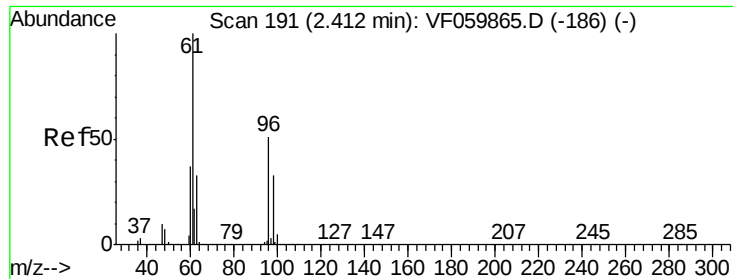
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#20
Methylene Chloride
Concen: 53.08 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.5	128.7	193.1
51	48.7	39.3	58.9
86	61.8	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 51.48 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

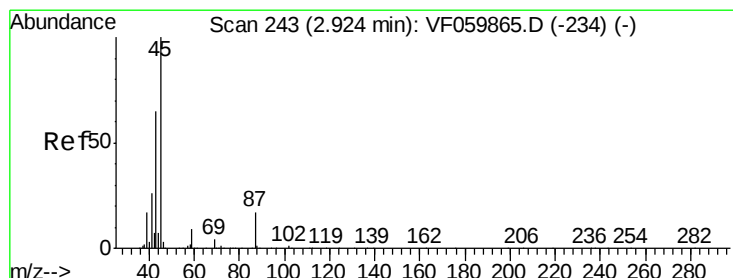
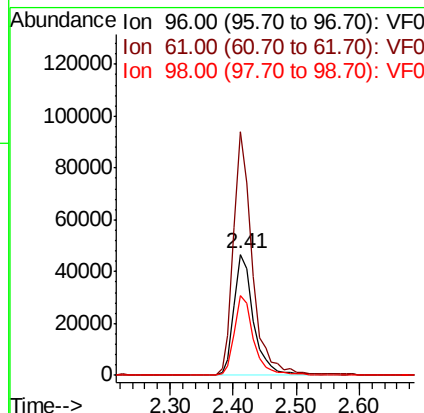
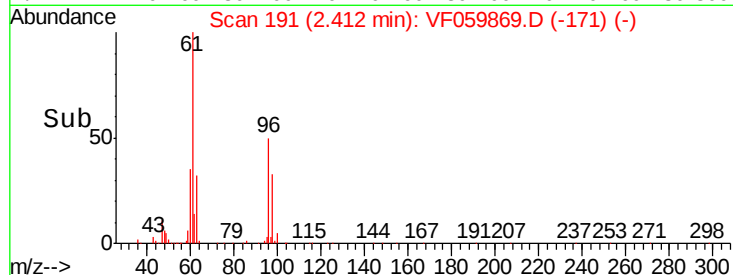
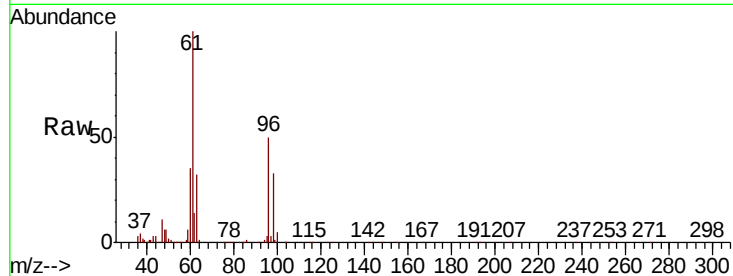
ClientSampleId :

ICVVF080418

Tot Ion:	96	Resp:	101298
Ion	Ratio	Lower	Upper
96	100		
61	201.3	158.2	237.4
98	65.7	52.0	78.0

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#22

Diisopropyl ether

Concen: 54.07 ug/l

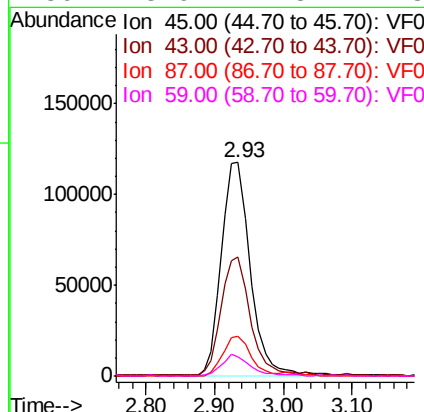
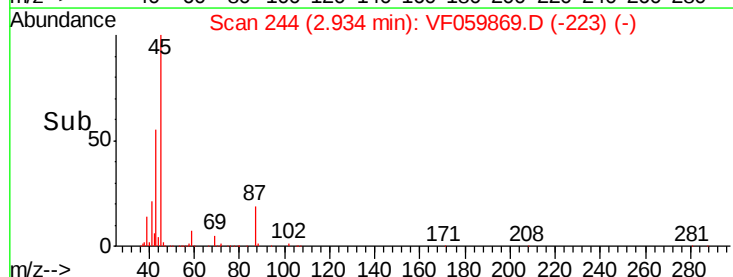
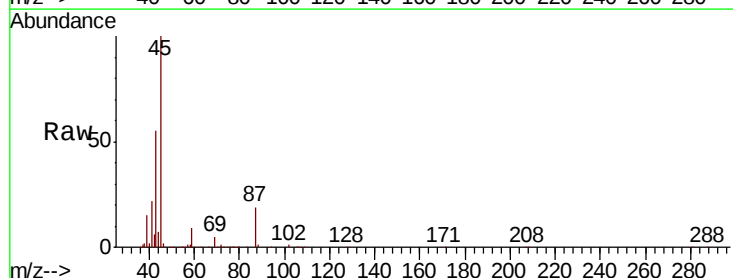
RT: 2.93 min Scan# 244

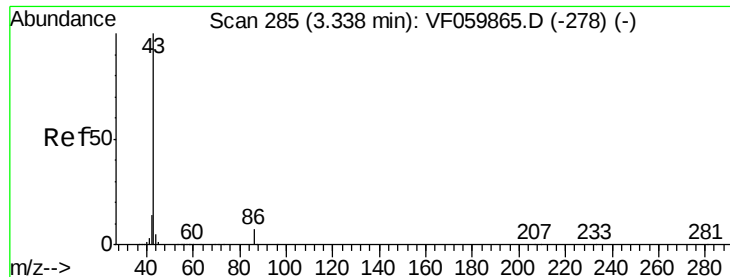
Delta R.T. 0.01 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	45	Resp:	343513
Ion	Ratio	Lower	Upper
45	100		
43	55.5	52.1	78.1
87	18.8	13.8	20.8
59	8.9	7.5	11.3





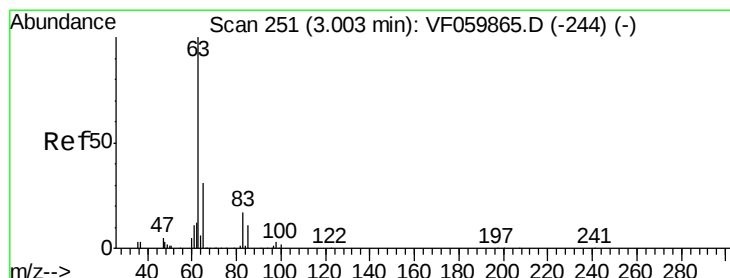
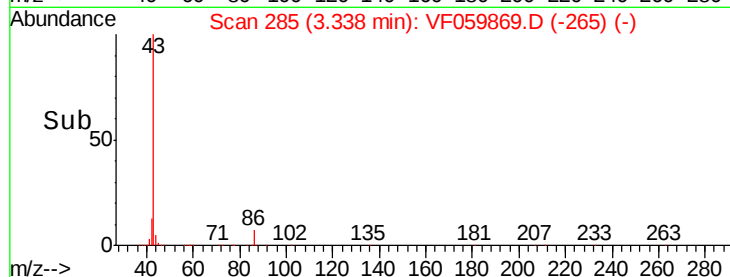
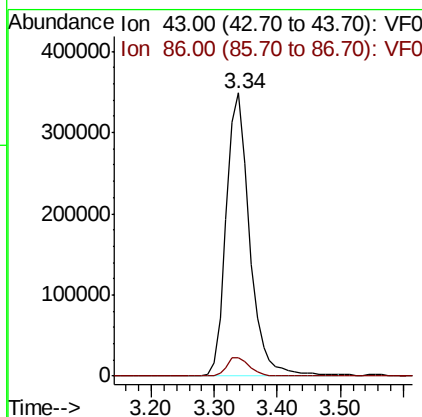
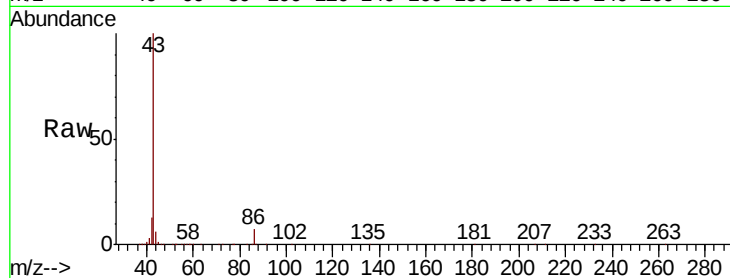
#23
 Vinyl Acetate
 Concen: 293.44 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF080418

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.6	8.4

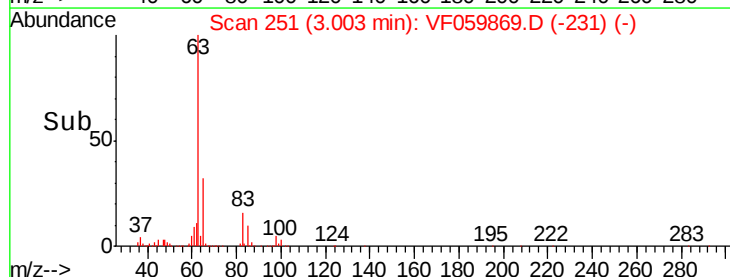
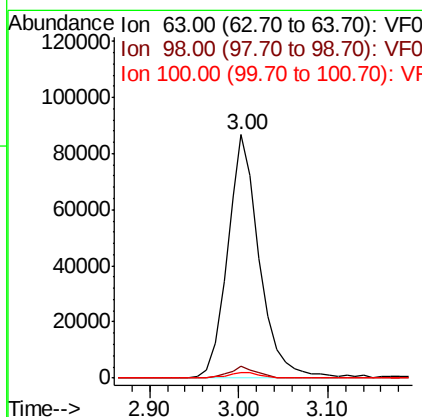
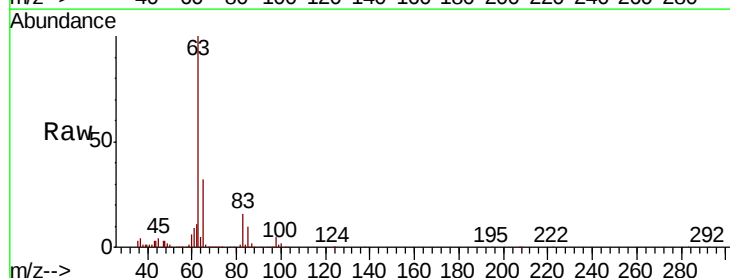
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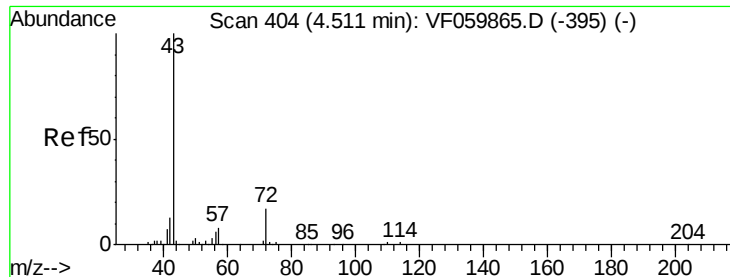
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#24
 1,1-Dichloroethane
 Concen: 46.70 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	1.9	5.7
100	2.5	1.1	3.5





#25

2-Butanone

Concen: 279.46 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 43 Resp: 224261

Ion Ratio Lower Upper

43 100

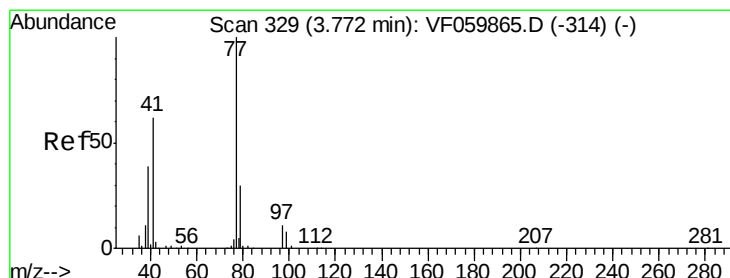
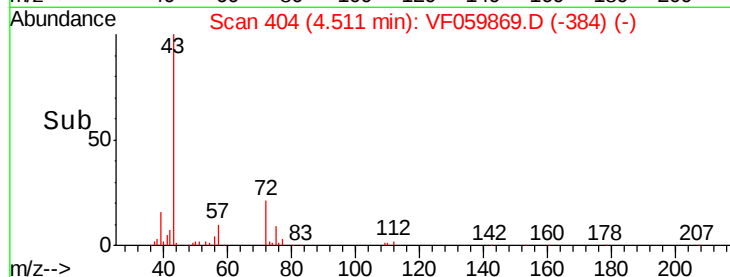
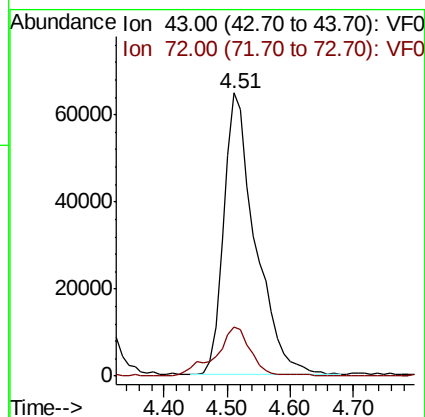
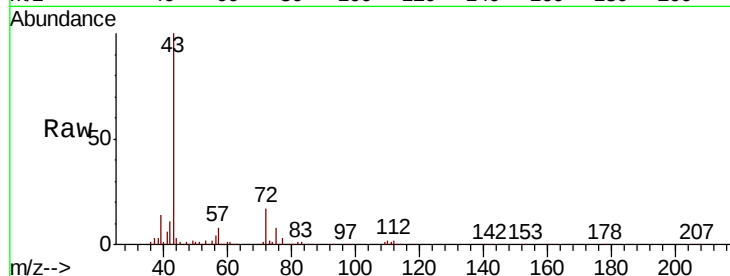
72 17.1 13.9 20.9

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#26

2,2-Dichloropropane

Concen: 47.95 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059869.D

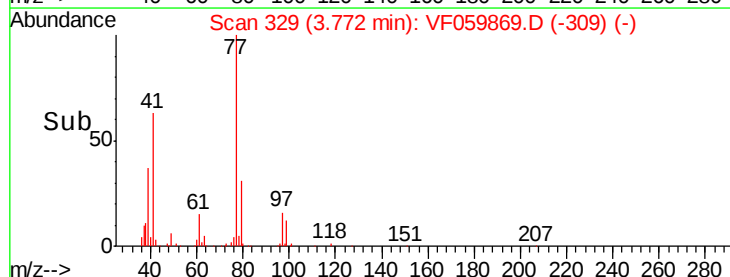
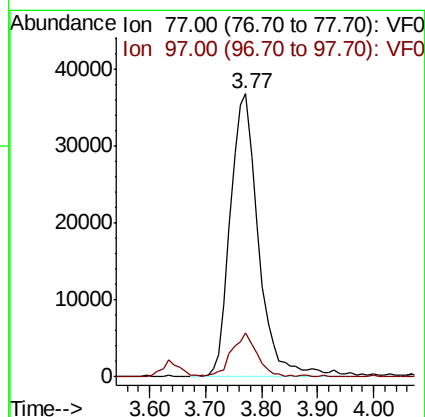
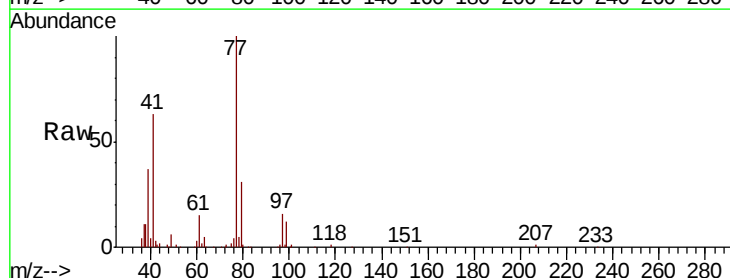
Acq: 4 Aug 2018 7:02

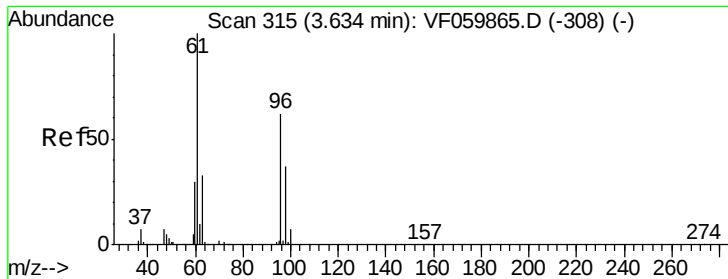
Tgt Ion: 77 Resp: 129152

Ion Ratio Lower Upper

77 100

97 15.7 6.8 20.3





#27

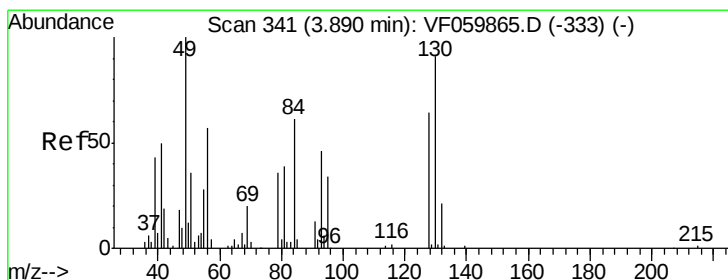
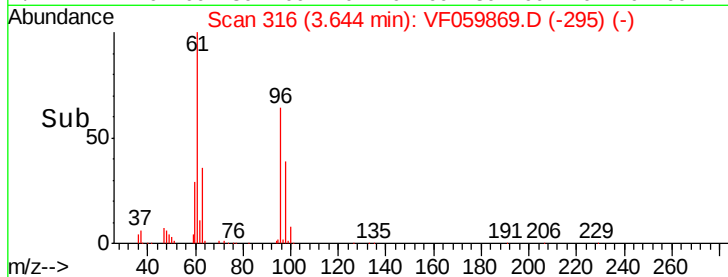
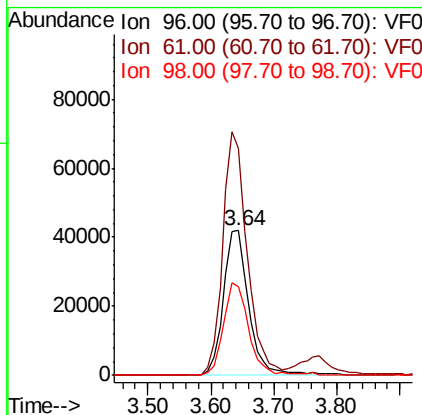
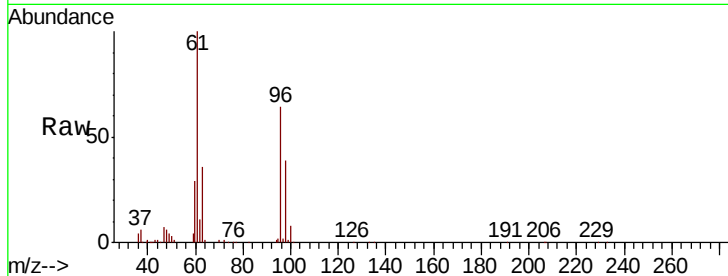
cis-1,2-Dichloroethene
Concen: 53.12 ug/l
RT: 3.64 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117529		
61	156.6		0.0	320.8
98	61.1		0.0	117.6

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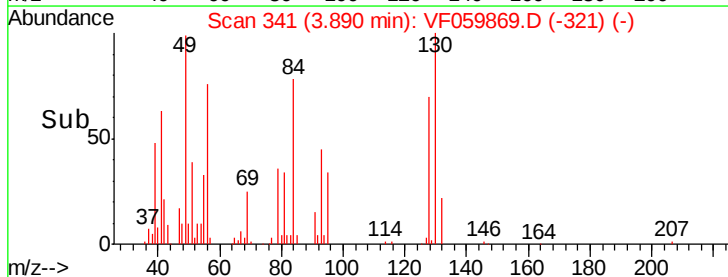
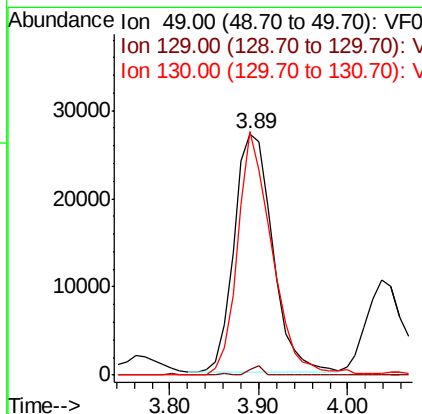
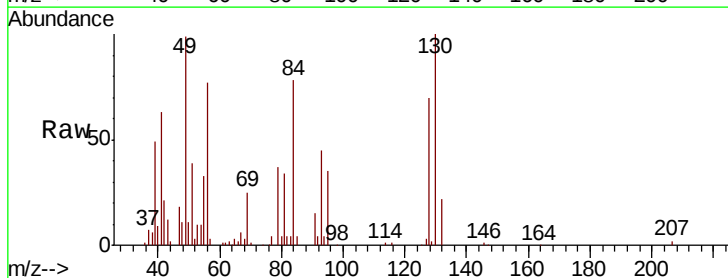
apatel
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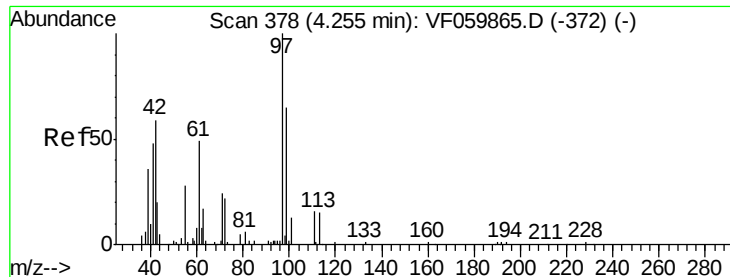


#28

Bromochloromethane
Concen: 49.71 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81213		
129	2.4		0.0	4.6
130	100.8		73.8	110.8





#29

Tetrahydrofuran

Concen: 297.86 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

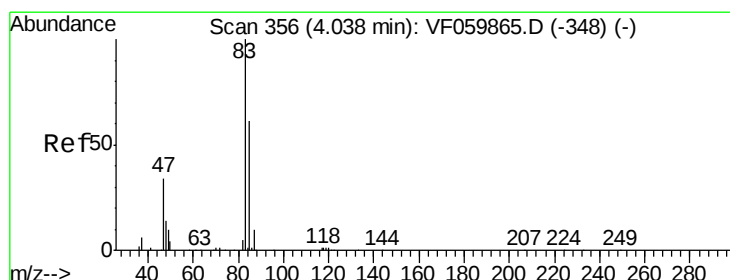
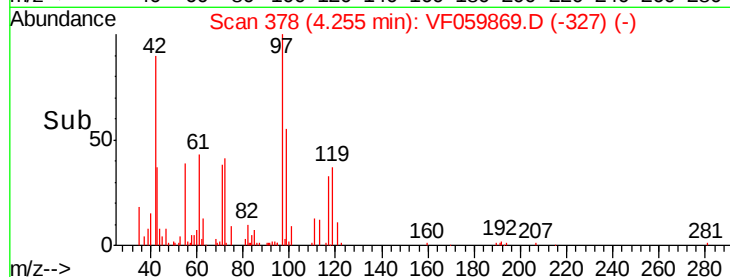
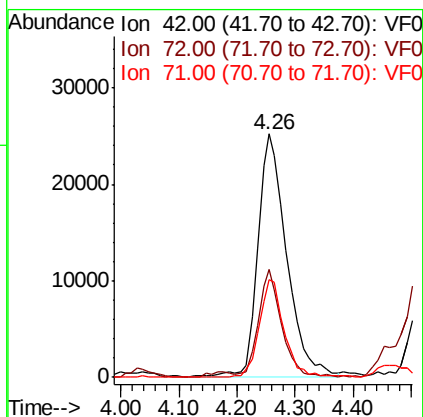
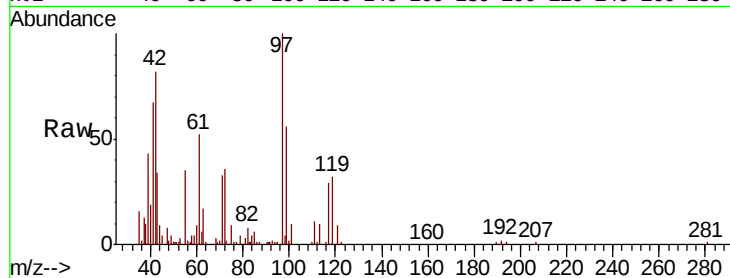
ClientSampleId :

ICVVF080418

Tot Ion:	42	Resp:	87994
Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.3	43.9
71	34.8	30.0	45.0

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#30

Chloroform

Concen: 46.86 ug/l

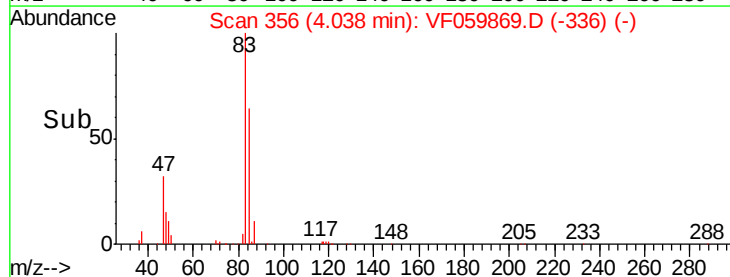
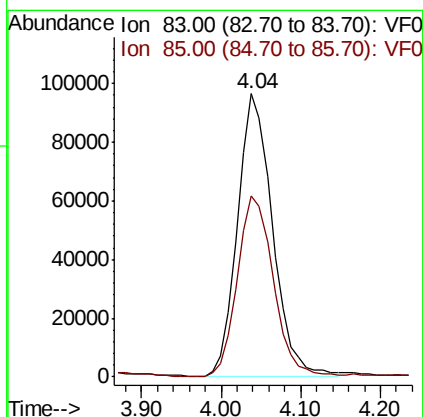
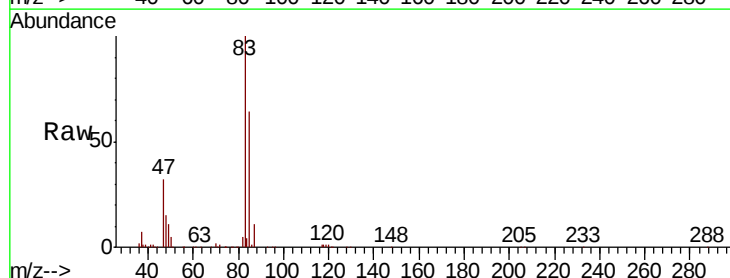
RT: 4.04 min Scan# 356

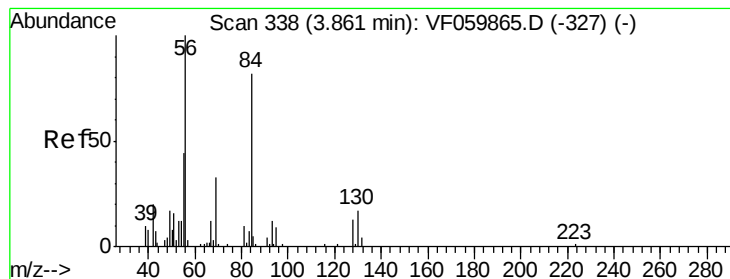
Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	83	Resp:	293331
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.3	73.9





#31

Cyclohexane

Concen: 55.26 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059869.D

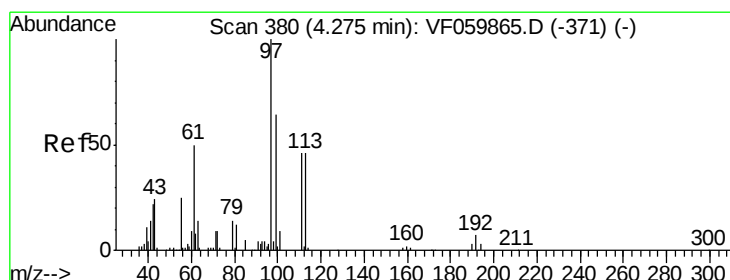
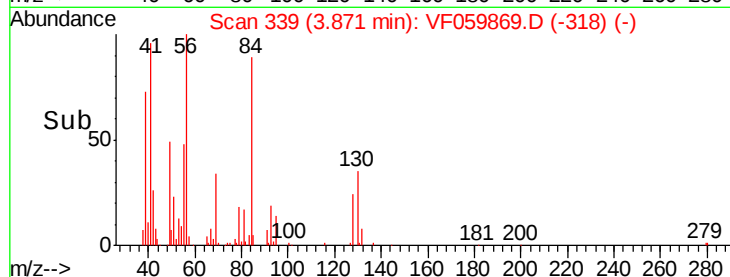
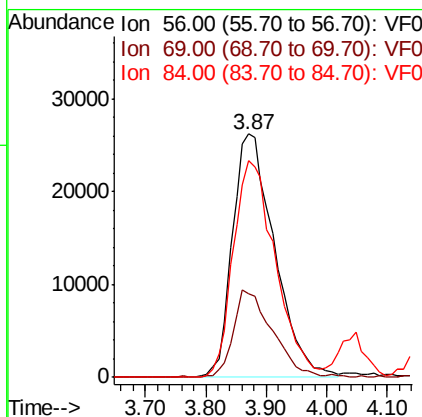
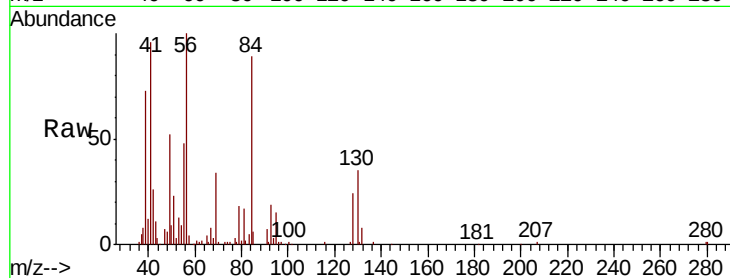
Acq: 4 Aug 2018 7:02

Tot Ion:	56	Resp:	126551
Ion Ratio	Lower	Upper	
56	100		
69	34.1	26.7	40.1
84	89.2	65.9	98.9

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.35 ug/l

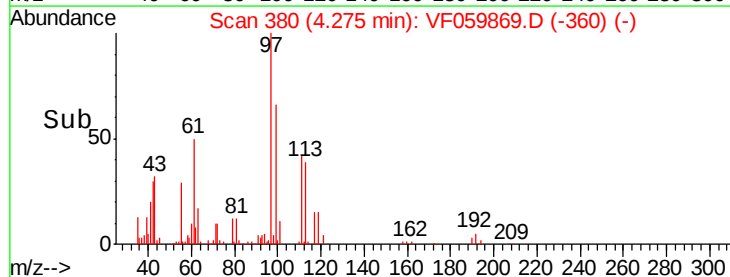
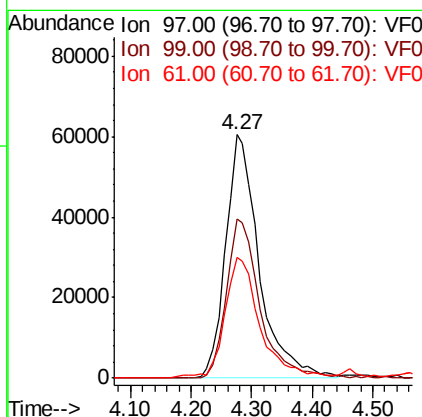
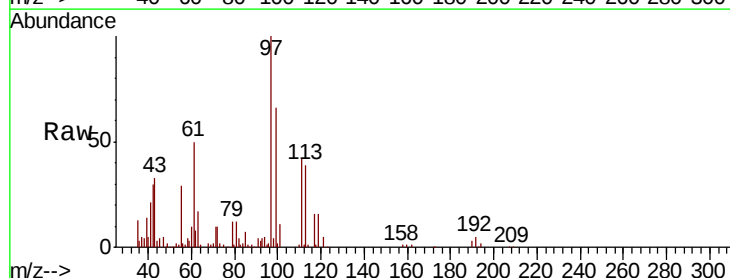
RT: 4.27 min Scan# 380

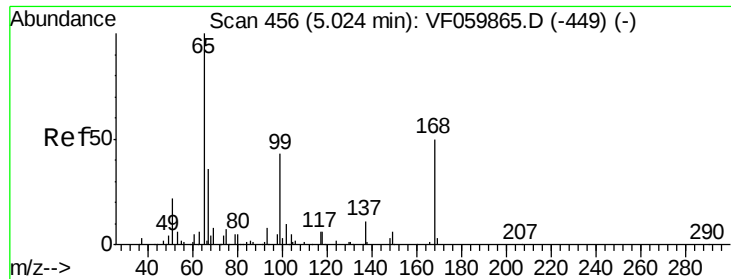
Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	97	Resp:	232091
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.4	77.2
61	49.7	40.8	61.2





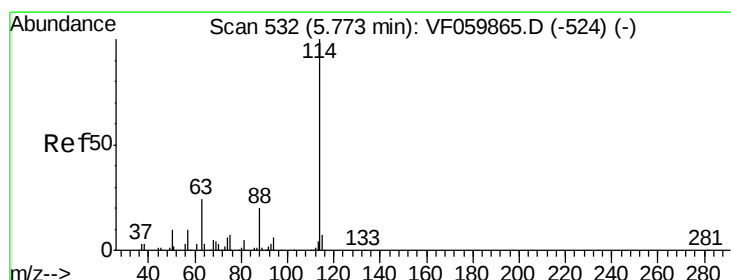
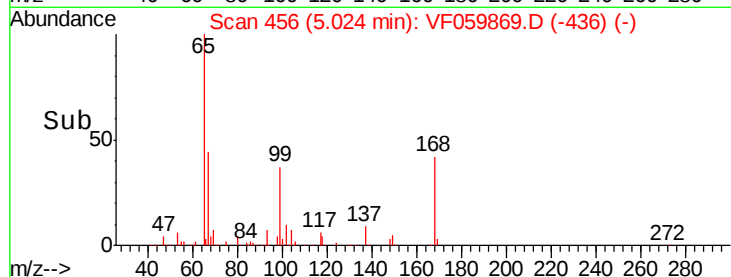
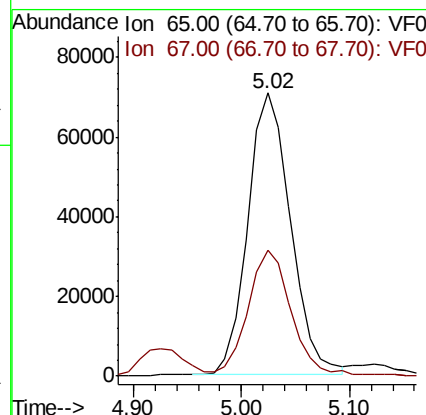
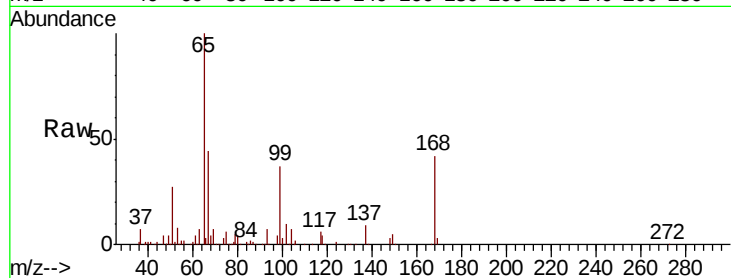
#33
 1,2-Dichloroethane-d4
 Concen: 48.60 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF080418

Tot Ion	Ratio	Lower	Upper
65	100		
67	44.3	0.0	77.2

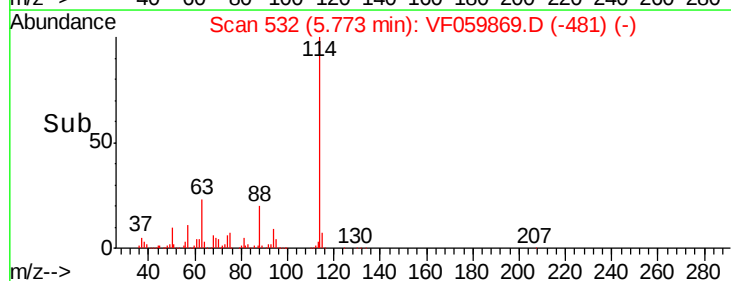
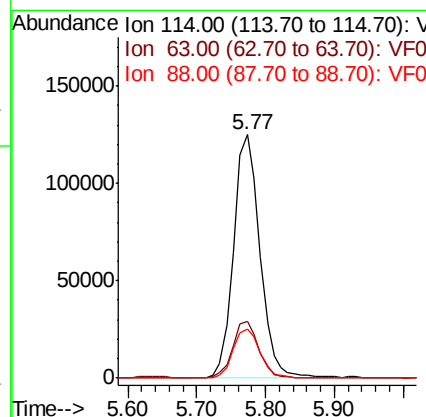
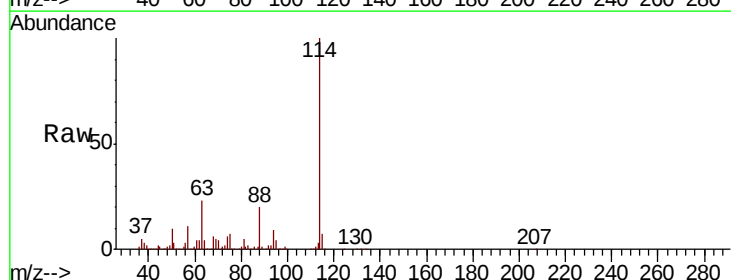
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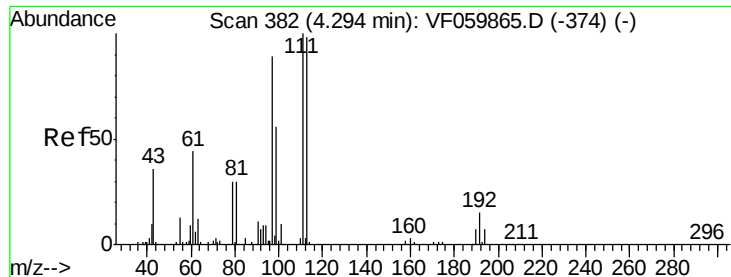
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	48.0
88	20.1	0.0	39.4





#35

Dibromofluoromethane

Concen: 48.98 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

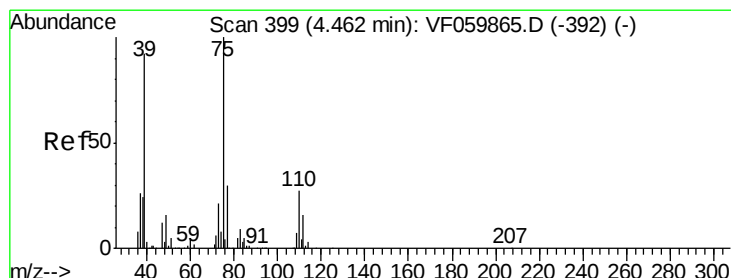
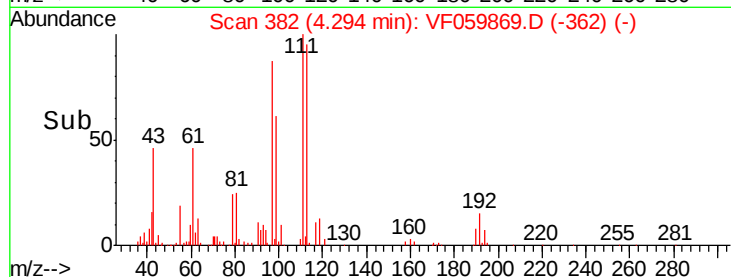
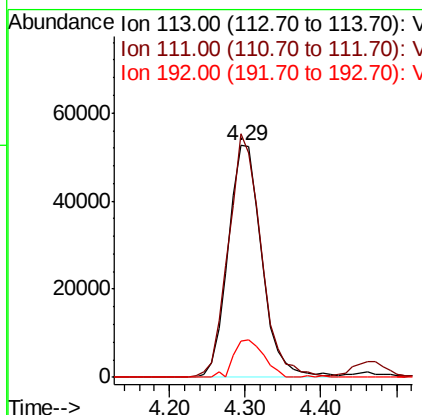
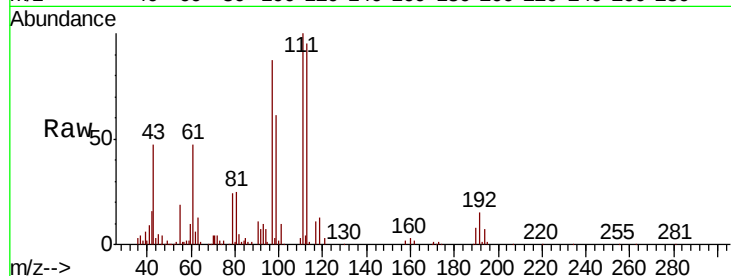
ClientSampleId :

ICVVF080418

Tot Ion:	113	Resp:	162300
Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.8	122.8
192	15.7	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 48.37 ug/l

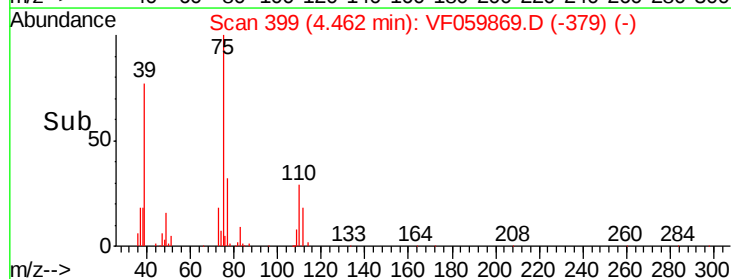
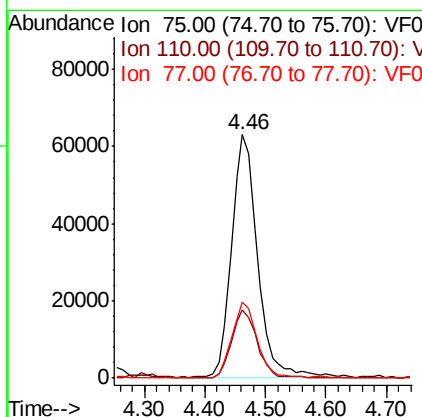
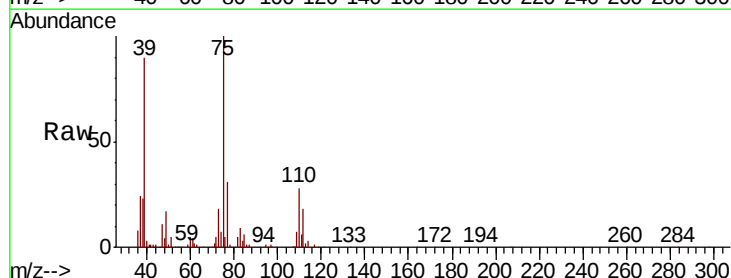
RT: 4.46 min Scan# 399

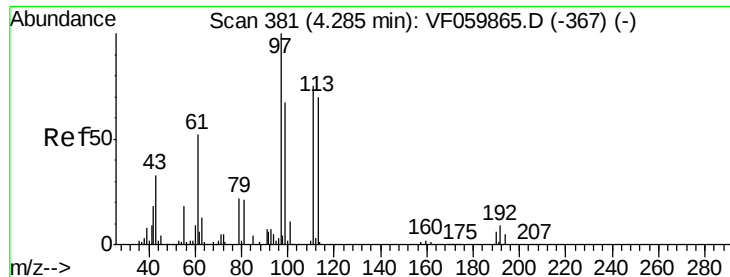
Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	75	Resp:	186330
Ion	Ratio	Lower	Upper
75	100		
110	28.0	13.6	40.7
77	31.4	23.7	35.5





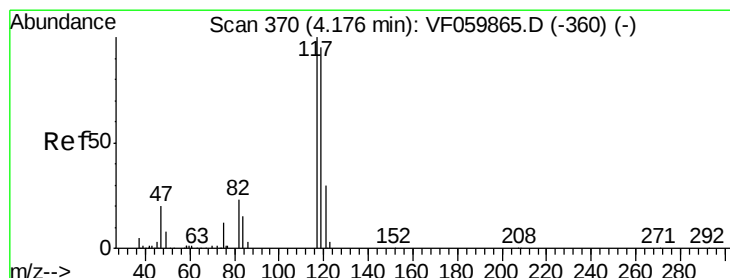
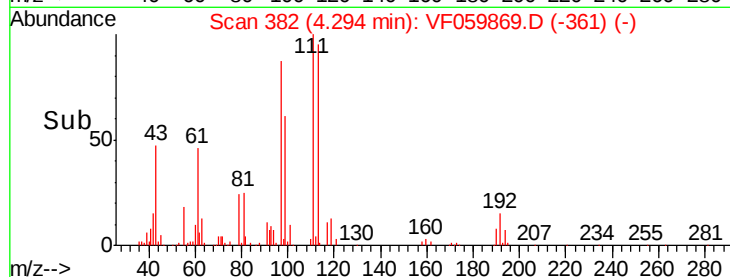
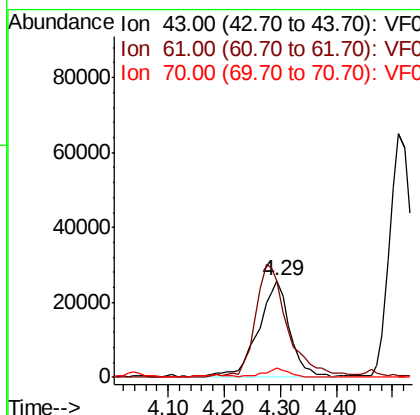
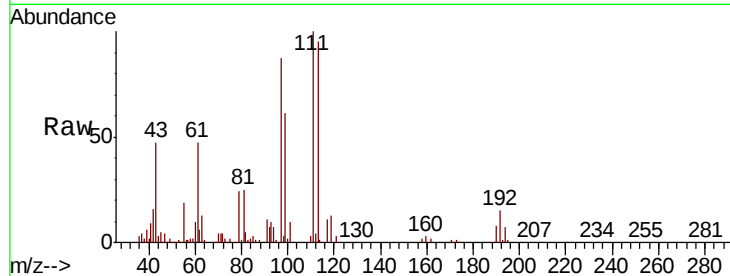
#37
Ethyl Acetate
Concen: 59.41 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	43	61	70
Resp	98277		
Ratio	100	99.6	9.2
Lower		123.7	7.8
Upper		185.5#	11.8

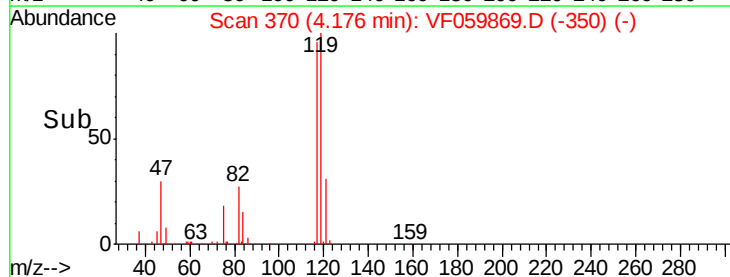
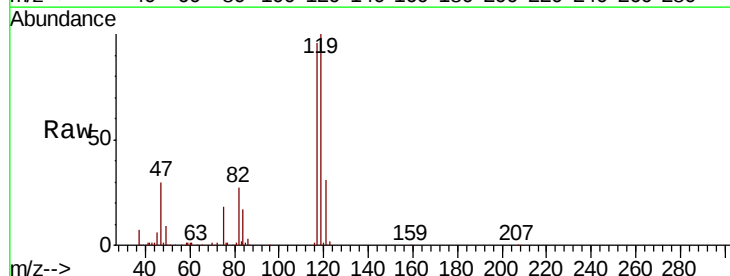
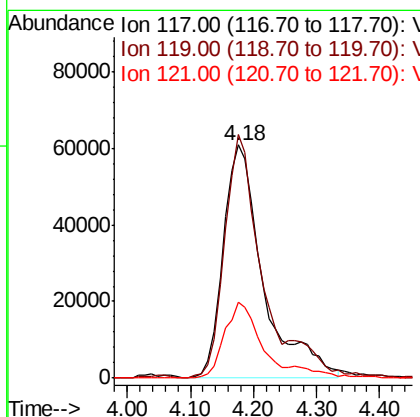
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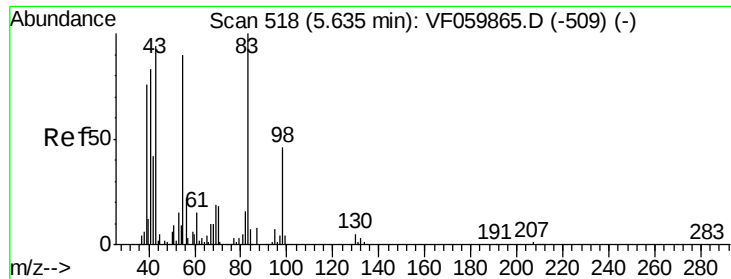
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#38
Carbon Tetrachloride
Concen: 48.63 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	117	119	121
Resp	268175		
Ratio	100	104.6	32.6
Lower		76.5	23.8
Upper		114.7	35.8





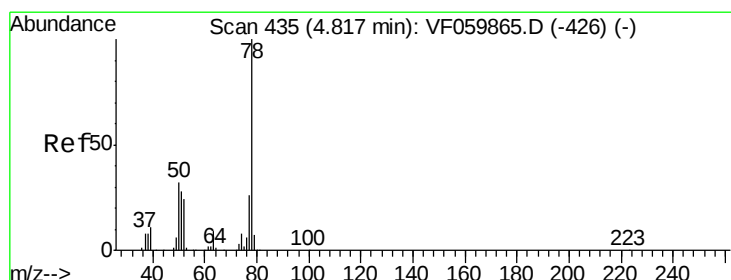
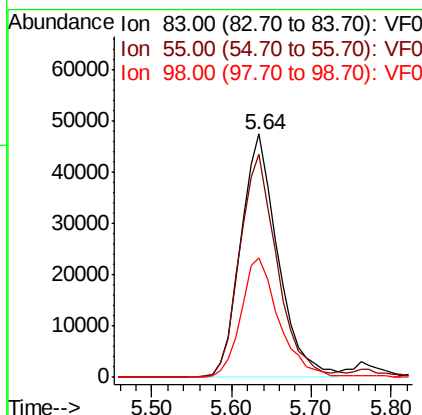
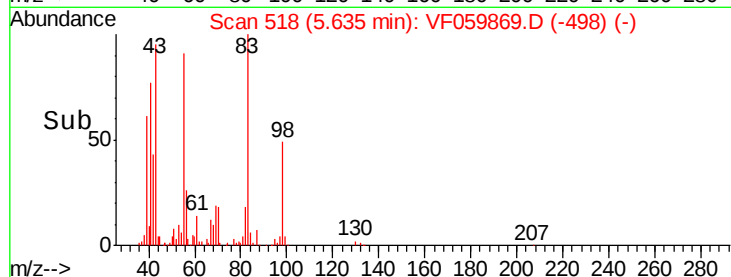
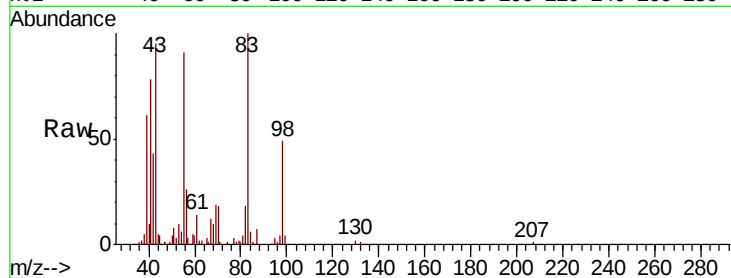
#39
Methvlcvclohexane
Concen: 53.17 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.5	72.0	108.0
98	49.2	36.6	54.8

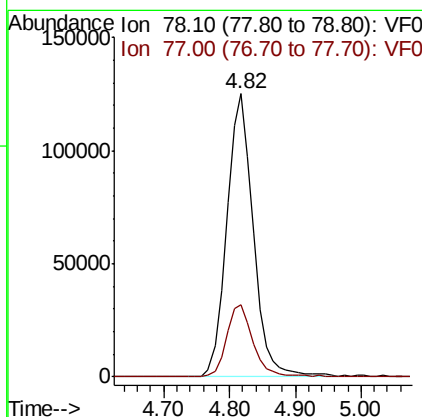
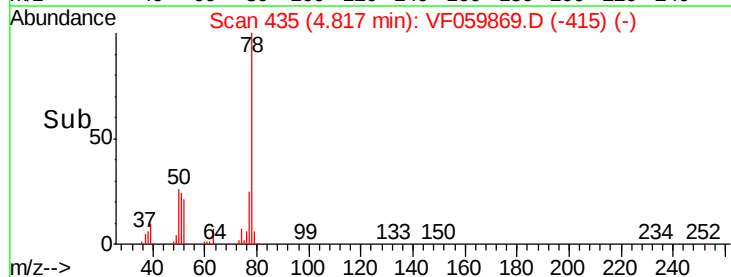
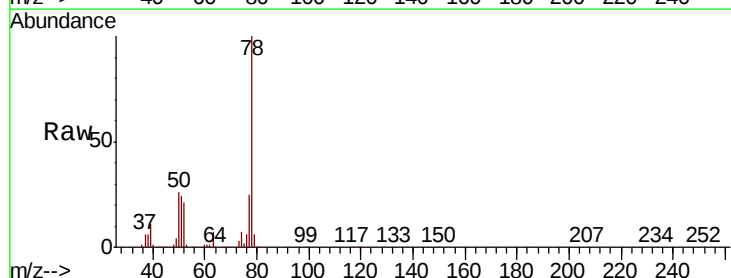
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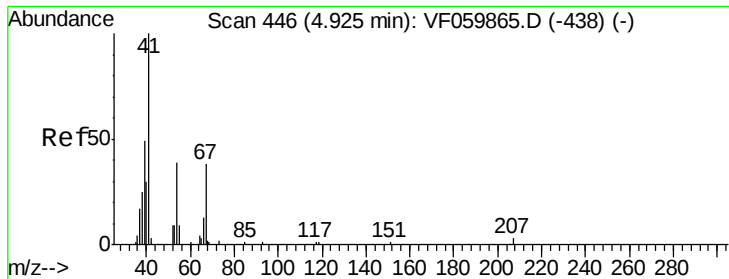
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#40
Benzene
Concen: 53.85 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	20.7	31.1





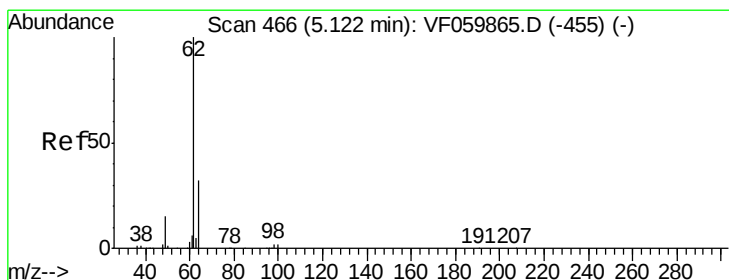
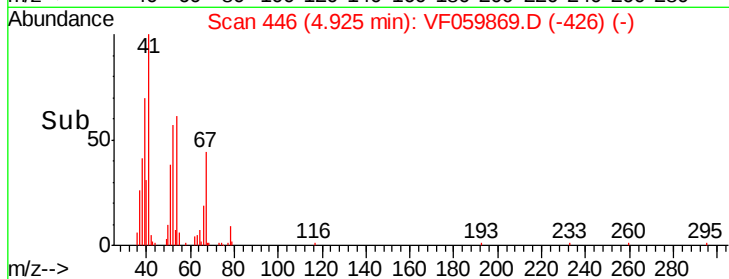
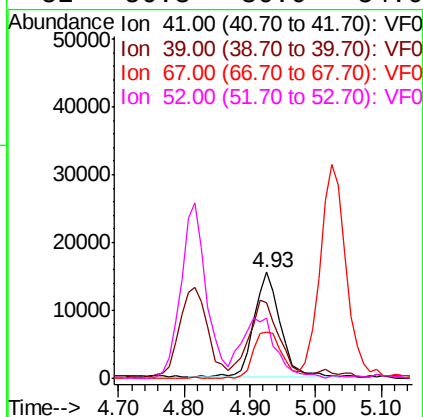
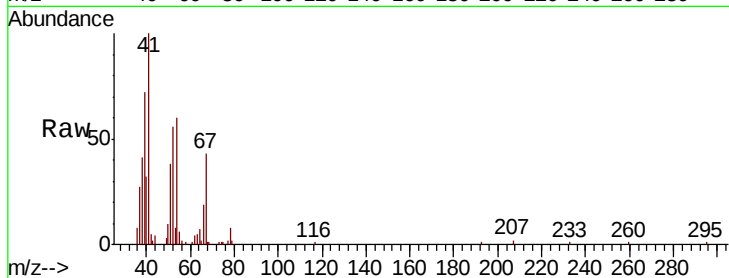
#41
Methacrylonitrile
Concen: 50.37 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.5	55.1	82.7
67	43.1	30.3	45.5
52	56.3	36.0	54.0

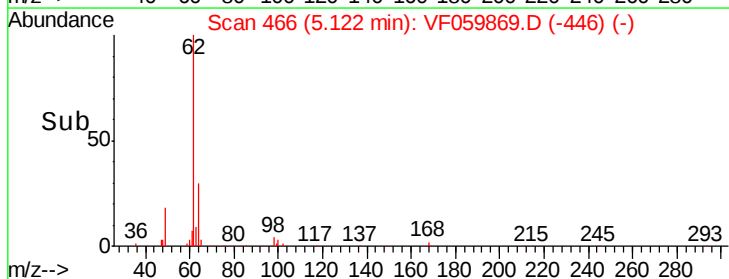
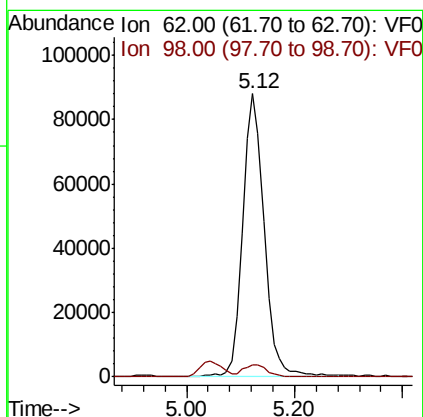
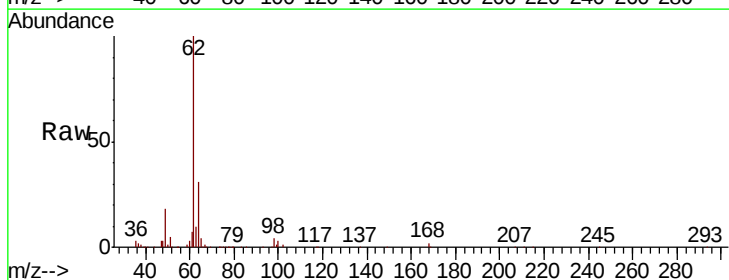
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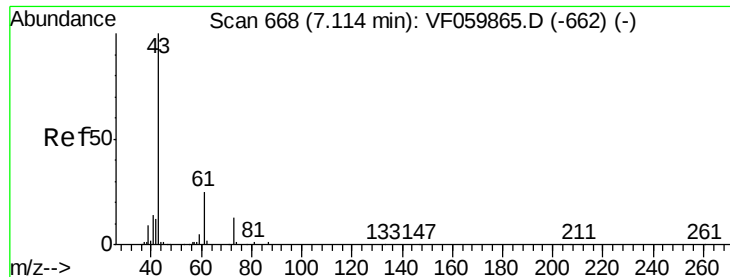
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#42
1,2-Dichloroethane
Concen: 45.65 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	7.6





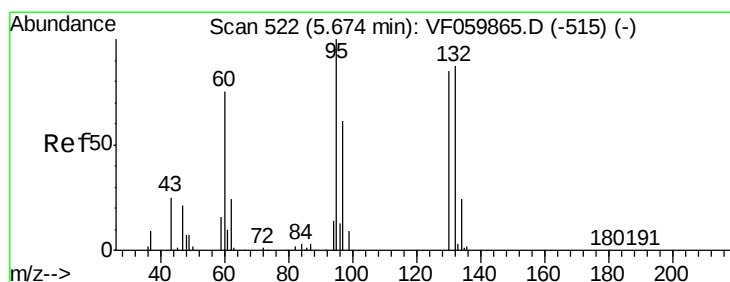
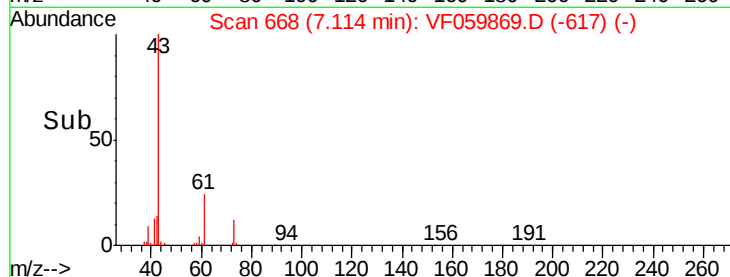
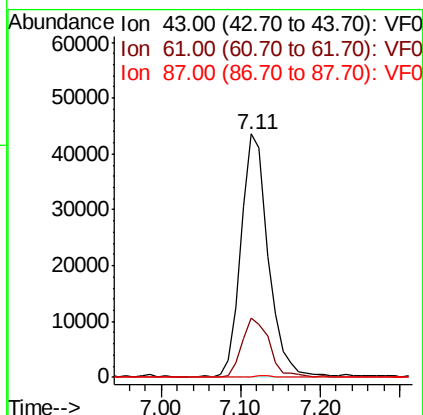
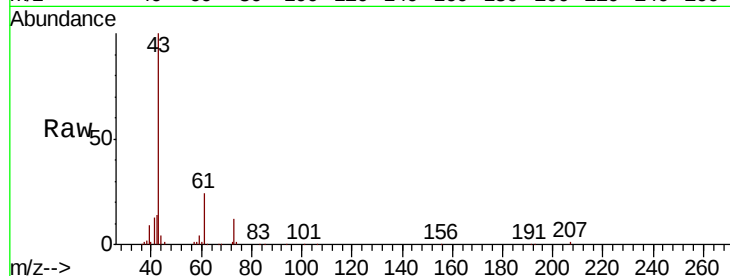
#43
Isopropyl Acetate
Concen: 60.98 ug/l
RT: 7.11 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.1	20.3	30.5
87	0.0	0.7	1.1#

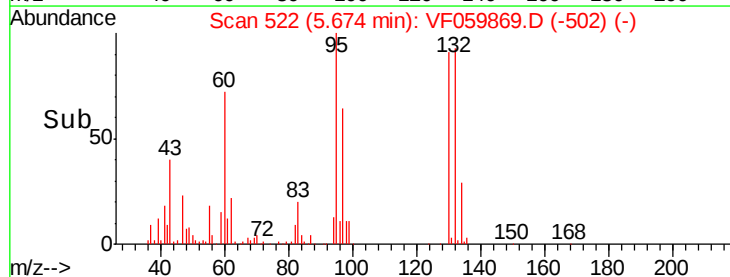
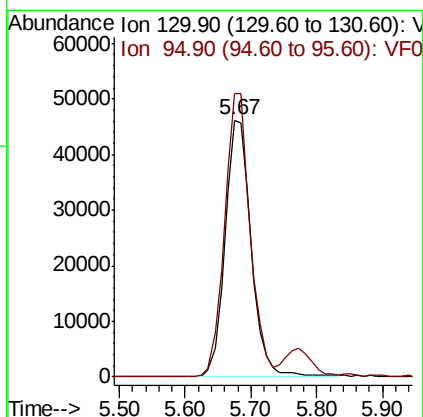
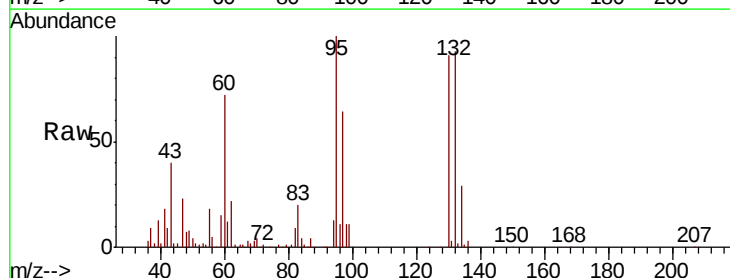
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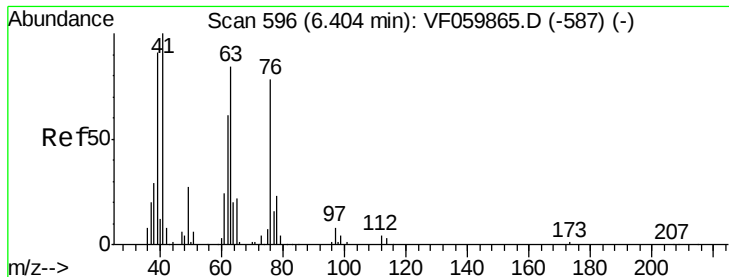
apatel
8/6/2018 10:26:16 AM



#44
Trichloroethene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 522
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	236.8





#45

1,2-Dichloropropane

Concen: 53.65 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 63 Resp: 94857

Ion Ratio Lower Upper

63 100

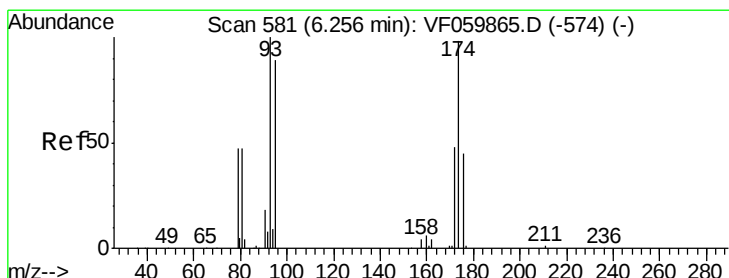
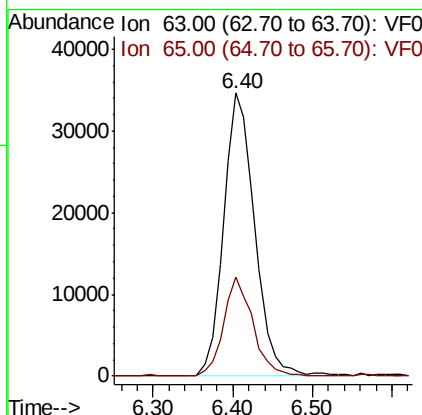
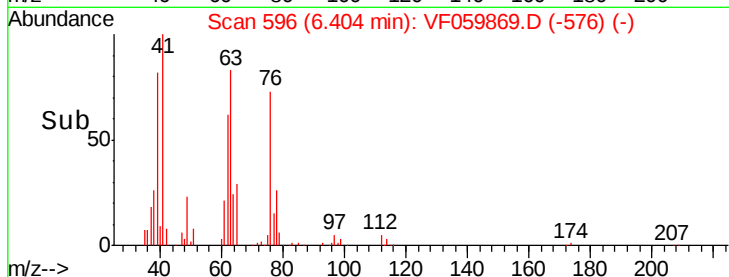
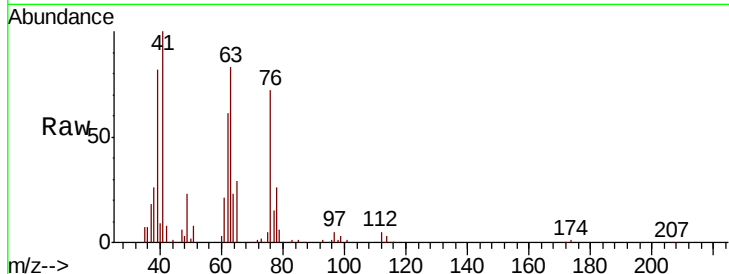
65 35.1 20.4 30.6#

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#46

Dibromomethane

Concen: 48.56 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

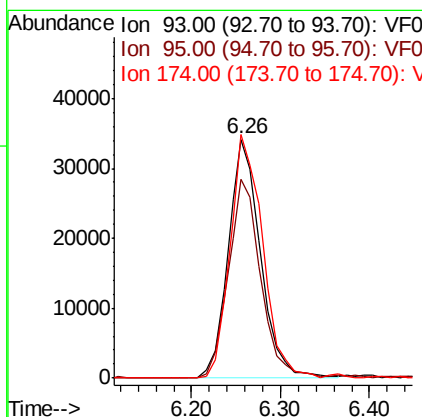
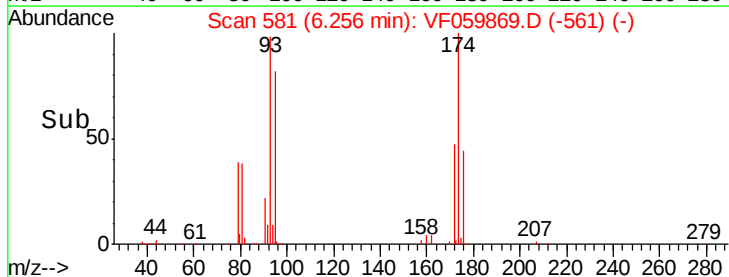
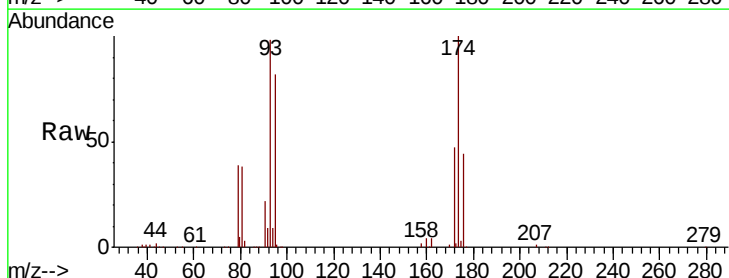
Tgt Ion: 93 Resp: 86626

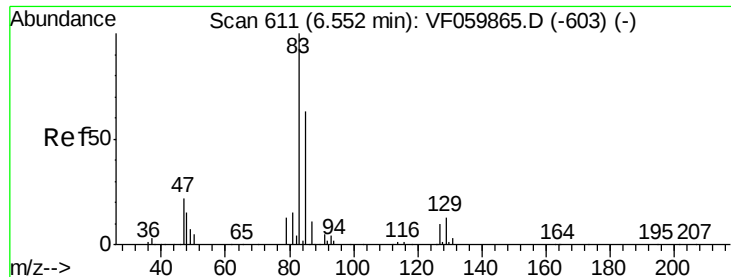
Ion Ratio Lower Upper

93 100

95 83.4 71.4 107.2

174 102.0 78.1 117.1





#47

Bromodichloromethane

Concen: 49.23 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

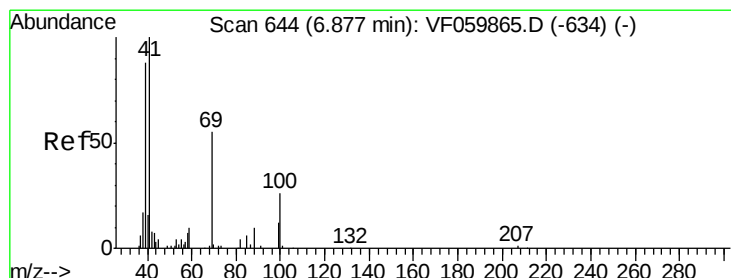
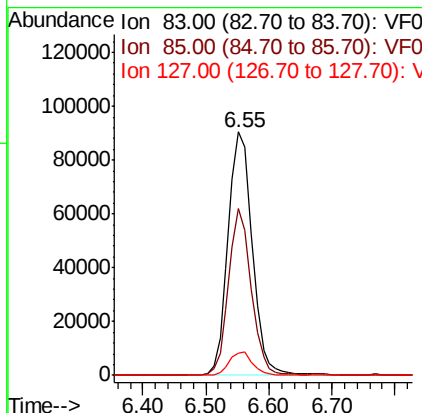
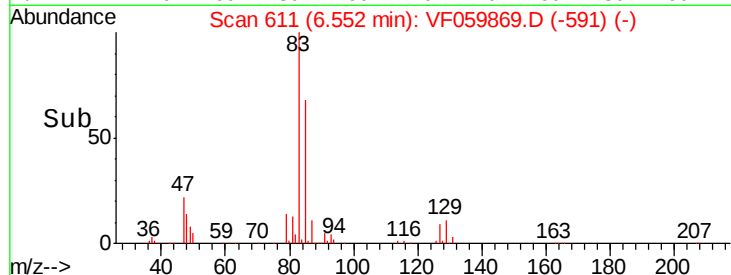
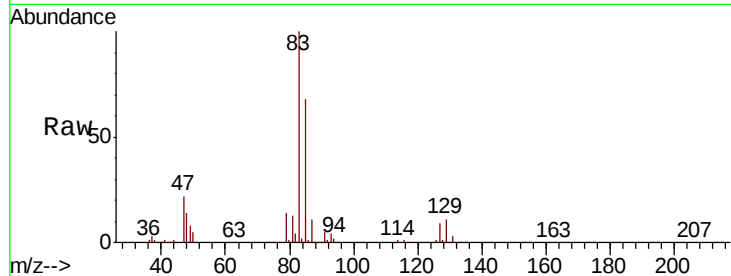
ClientSampleId :

ICVVF080418

Tot Ion:	83	Resp:	240186
Ion Ratio	Lower	Upper	
83	100		
85	68.3	50.7	76.1
127	9.3	8.0	12.0

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#48

Methyl methacrylate

Concen: 61.03 ug/l

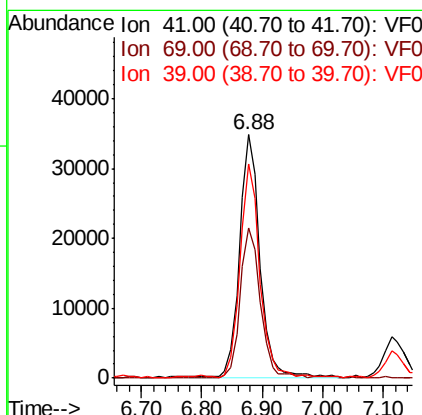
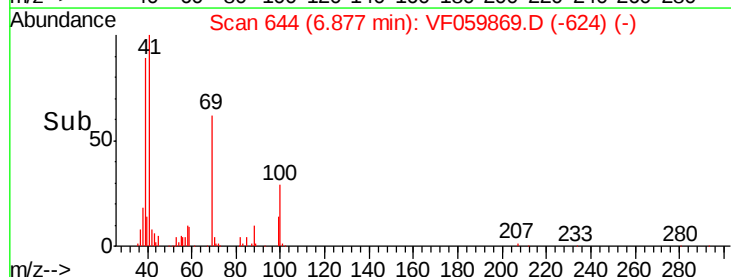
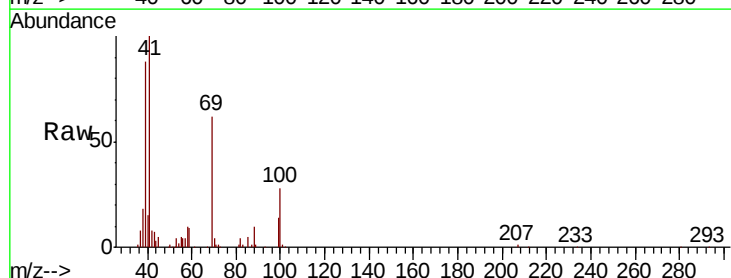
RT: 6.88 min Scan# 644

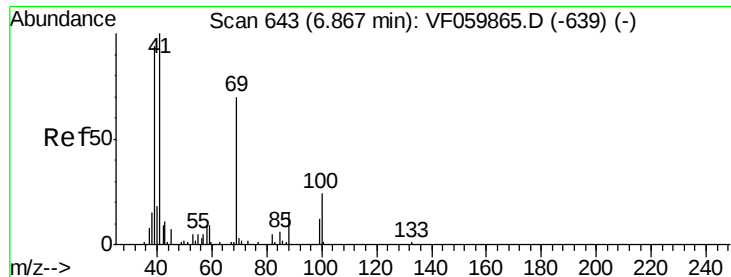
Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	41	Resp:	80875
Ion Ratio	Lower	Upper	
41	100		
69	61.9	44.4	66.6
39	88.2	70.6	106.0





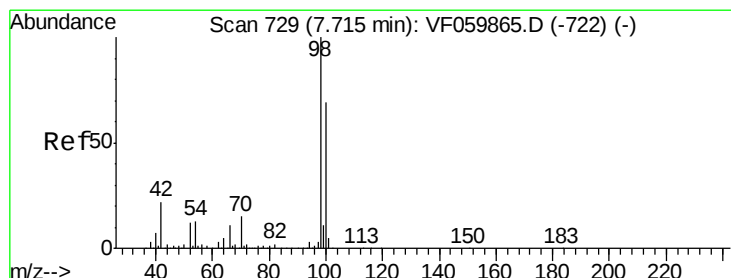
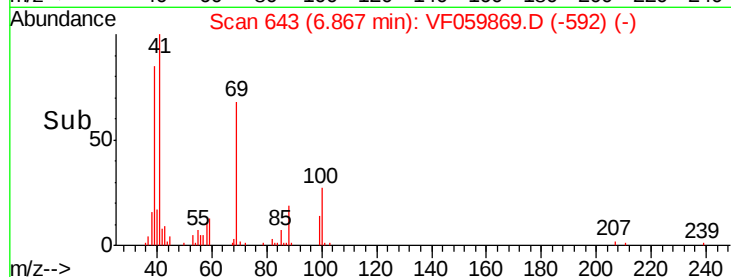
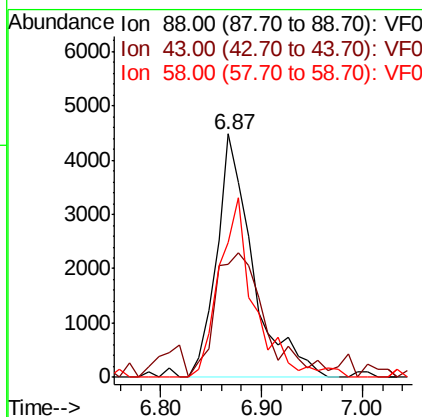
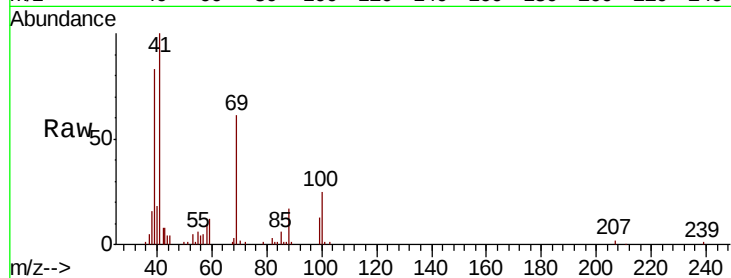
#49
1,4-Dioxane
Concen: 1163.06 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.3	58.3	87.5#
58	55.1	49.4	74.2

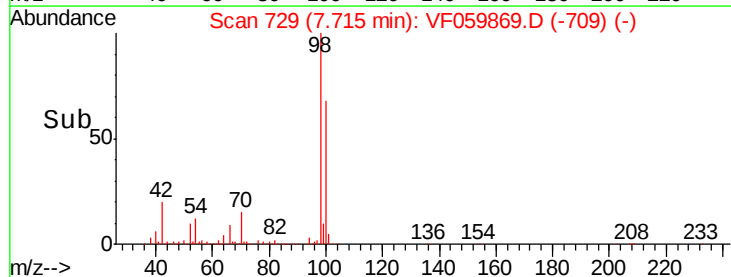
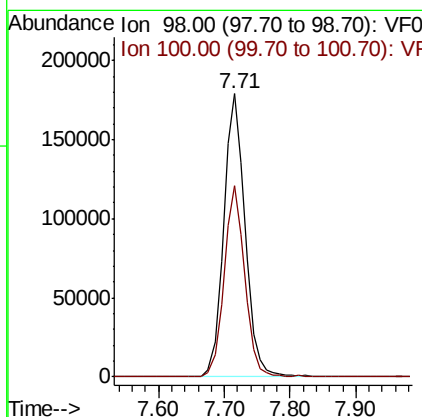
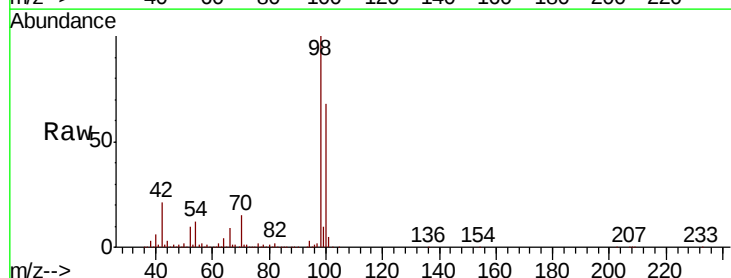
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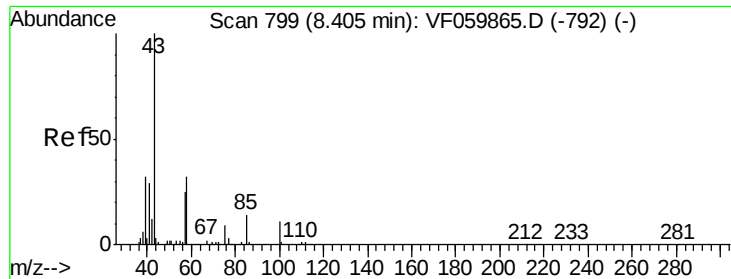
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#50
Toluene-d8
Concen: 57.82 ug/l
RT: 7.71 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 285.89 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 43 Resp: 497878

Ion Ratio Lower Upper

43 100

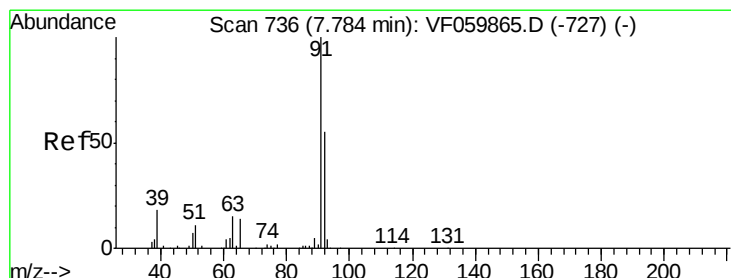
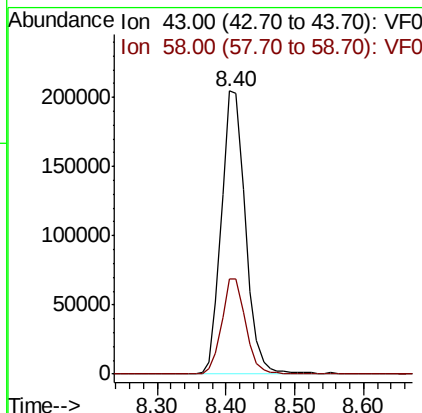
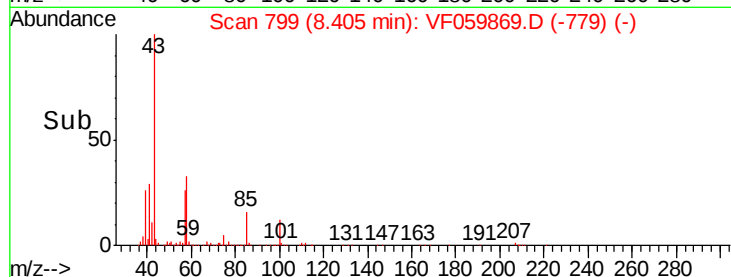
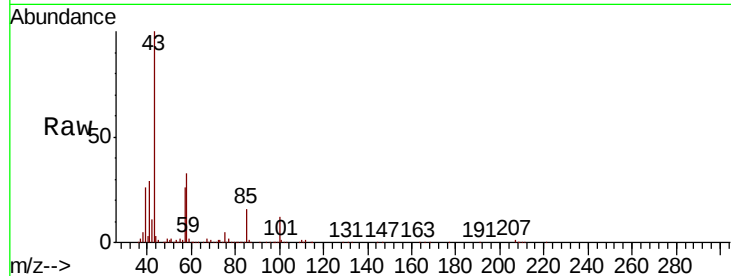
58 33.4 25.4 38.0

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#52

Toluene

Concen: 53.40 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059869.D

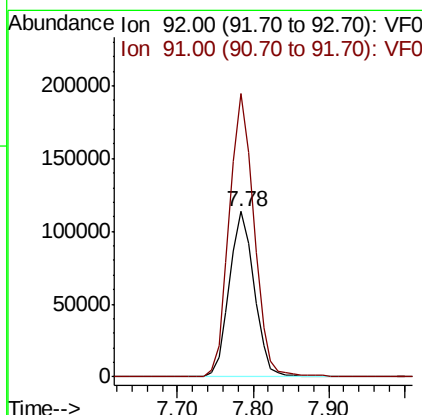
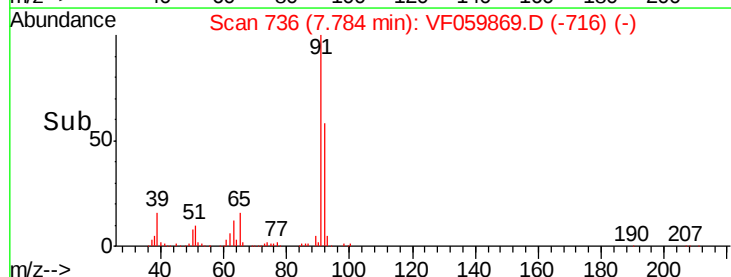
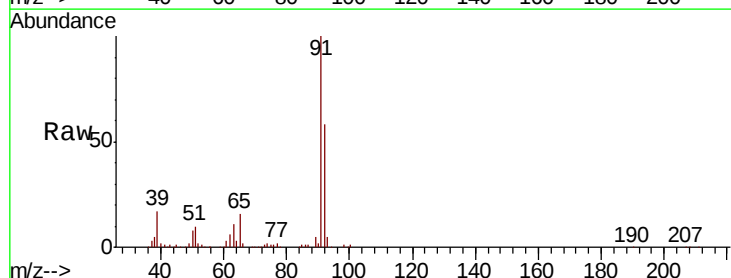
Acq: 4 Aug 2018 7:02

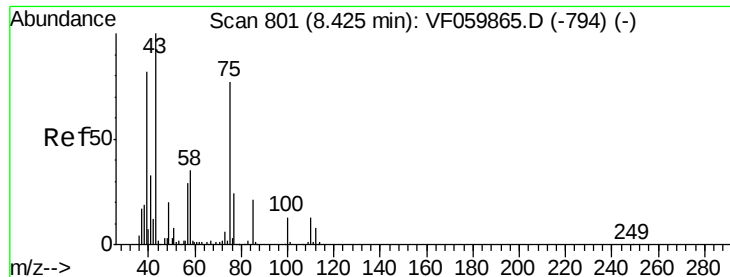
Tgt Ion: 92 Resp: 259820

Ion Ratio Lower Upper

92 100

91 171.2 145.7 218.5





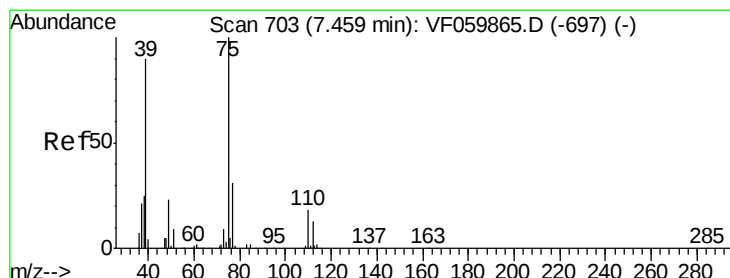
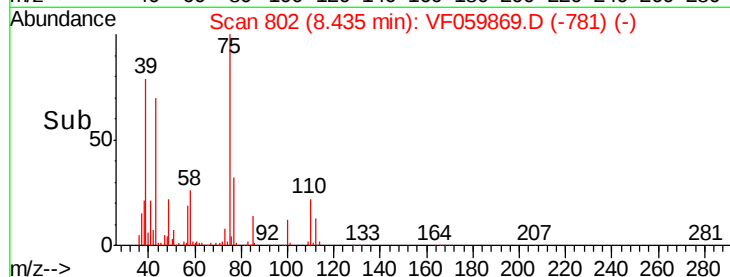
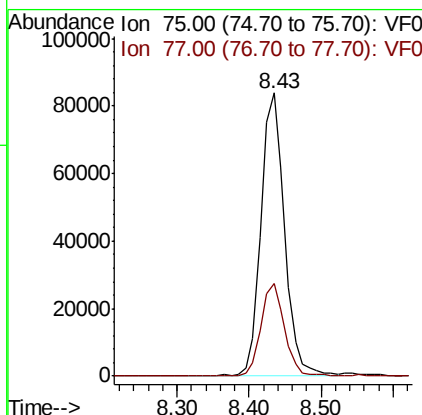
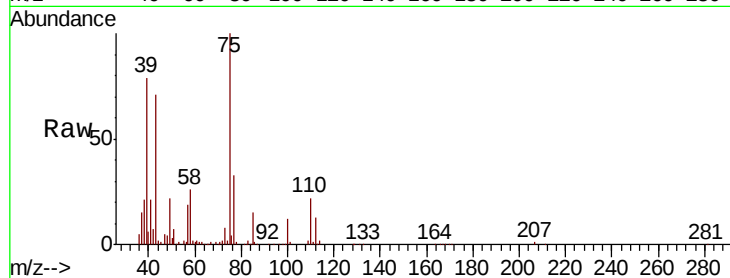
#53
t-1,3-Dichloropropene
Concen: 51.56 ug/l
RT: 8.43 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	75	Resp	191345
Ion Ratio	Lower	Upper	
75	100		
77	32.6	24.5	36.7

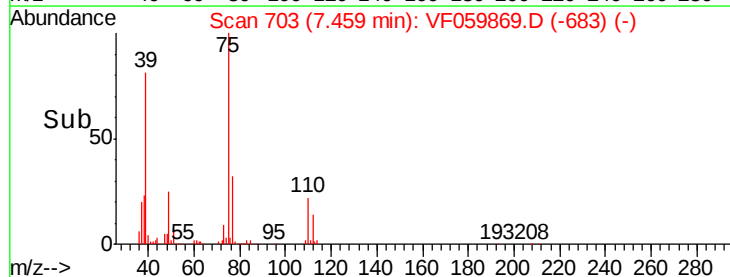
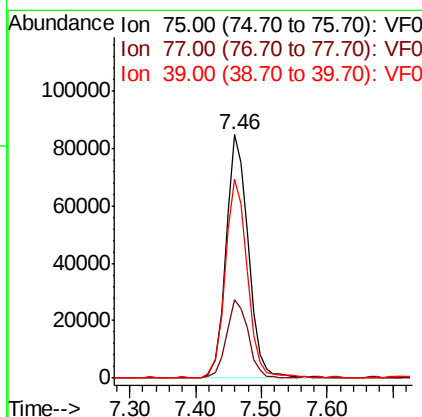
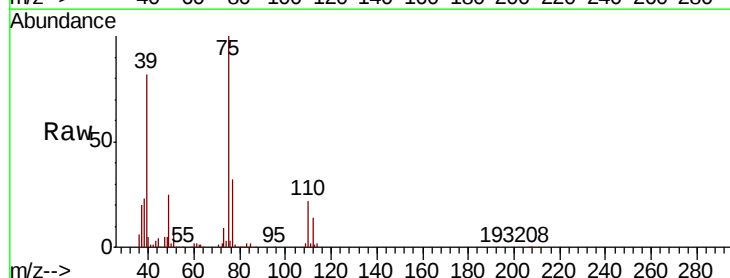
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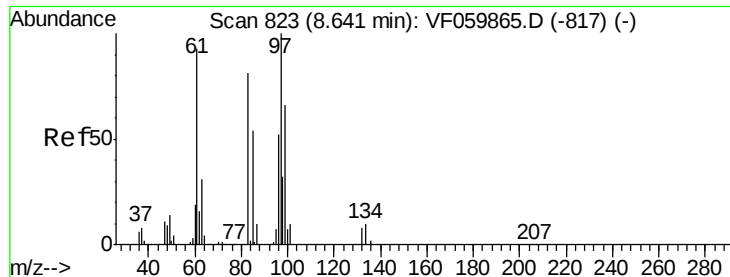
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#54
cis-1,3-Dichloropropene
Concen: 52.62 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	75	Resp	201566
Ion Ratio	Lower	Upper	
75	100		
77	32.3	24.7	37.1
39	81.5	72.0	108.0





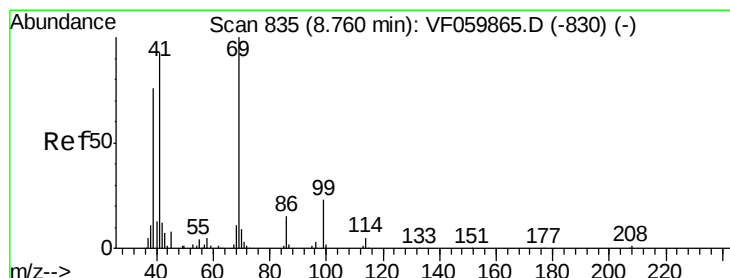
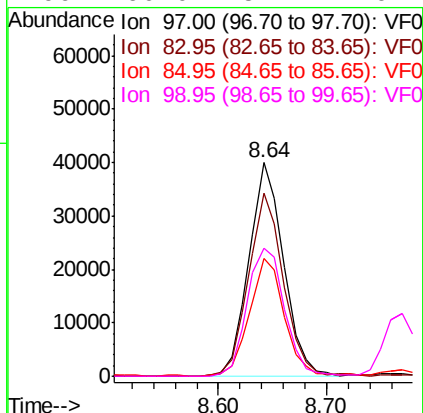
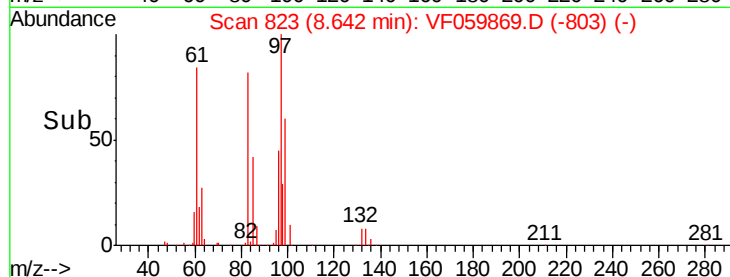
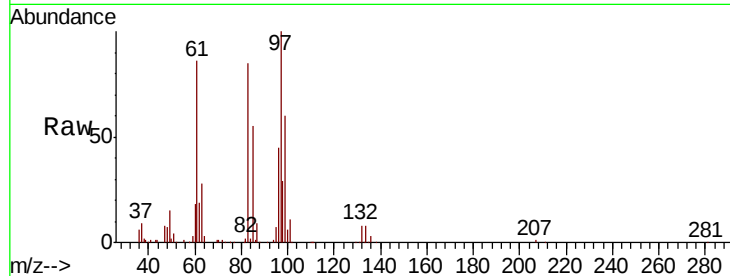
#55
1,1,2-Trichloroethane
Concen: 50.74 ug/l
RT: 8.64 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88876		
83	85.5	64.4	96.6		
85	55.3	43.1	64.7		
99	60.0	52.7	79.1		

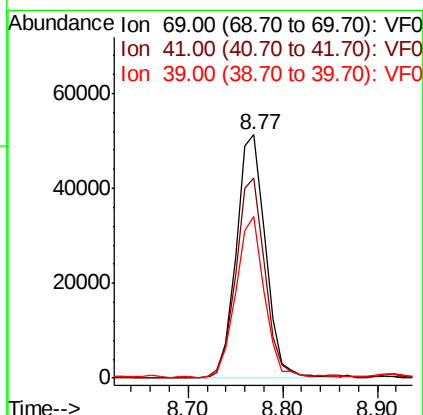
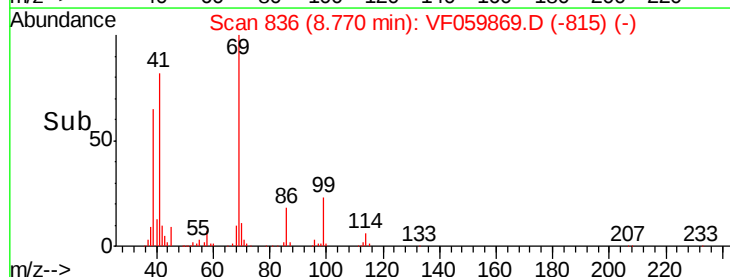
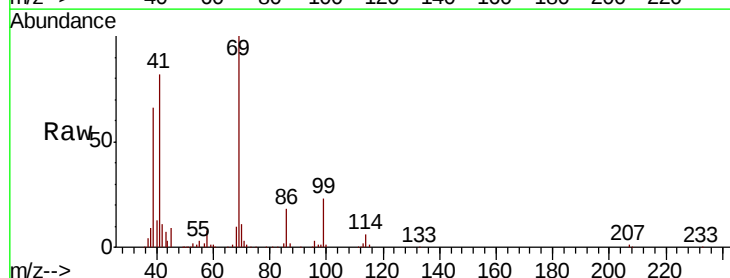
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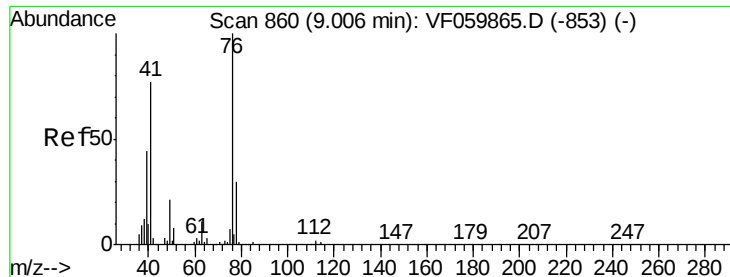
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#56
Ethyl methacrylate
Concen: 56.65 ug/l
RT: 8.77 min Scan# 836
Delta R.T. 0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		109725		
41	82.3	74.7	112.1		
39	66.5	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 54.12 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 76 Resp: 162778

Ion Ratio Lower Upper

76 100

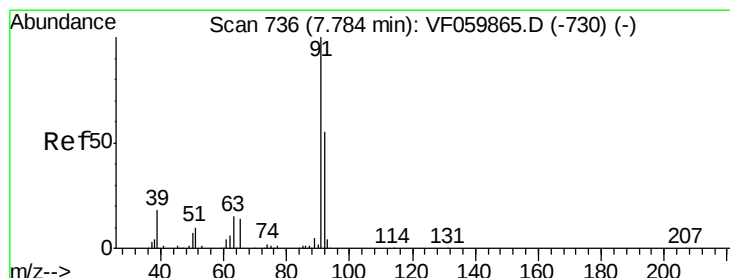
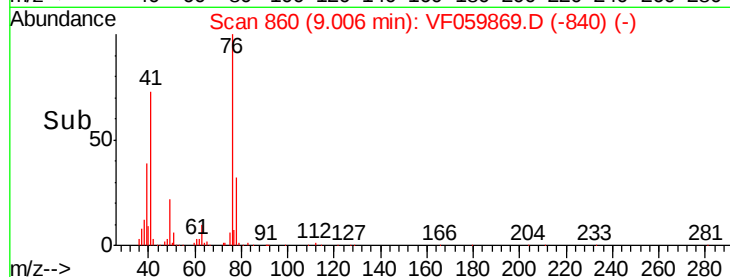
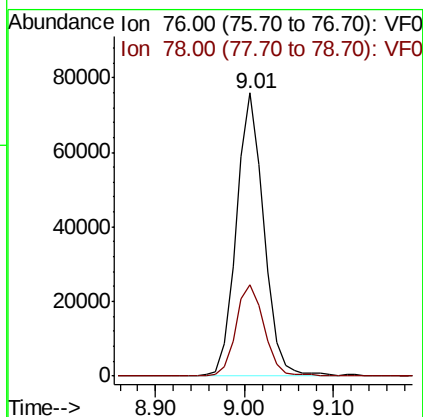
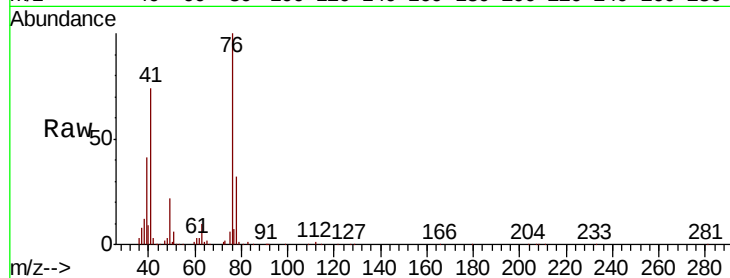
78 32.1 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 234.92 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059869.D

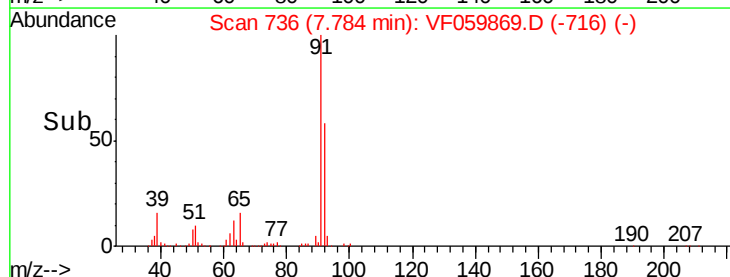
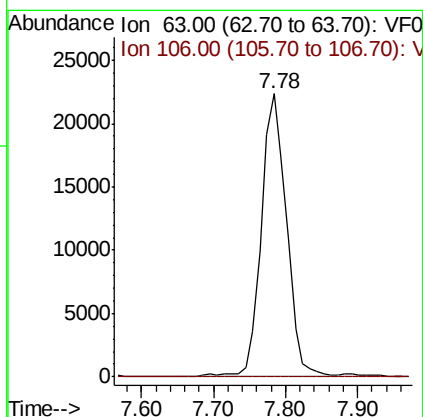
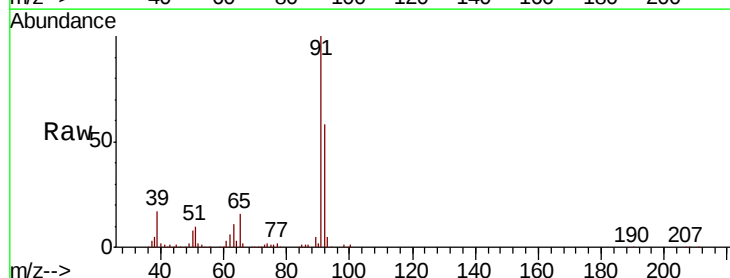
Acq: 4 Aug 2018 7:02

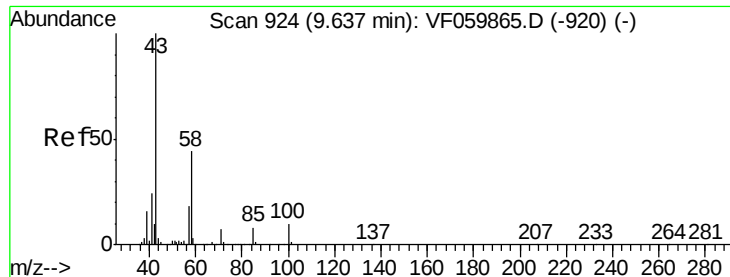
Tgt Ion: 63 Resp: 54438

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





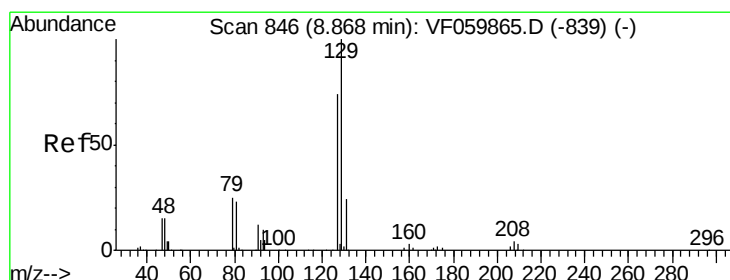
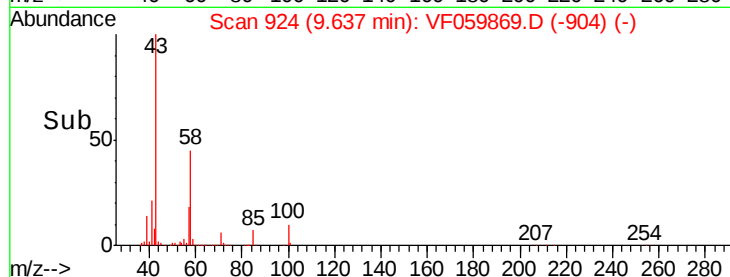
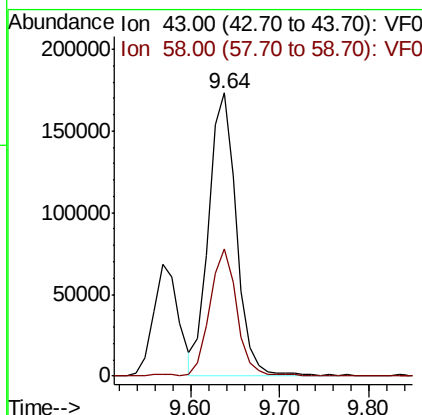
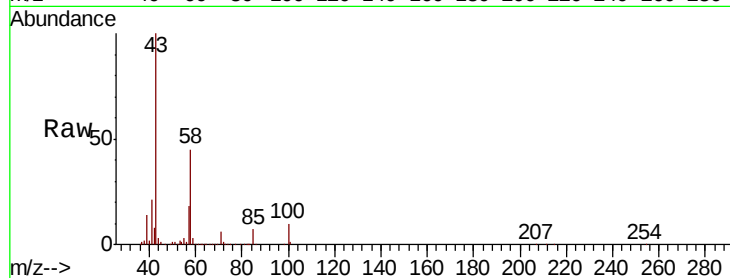
#59
2-Hexanone
Concen: 303.30 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.0	20.8	62.2

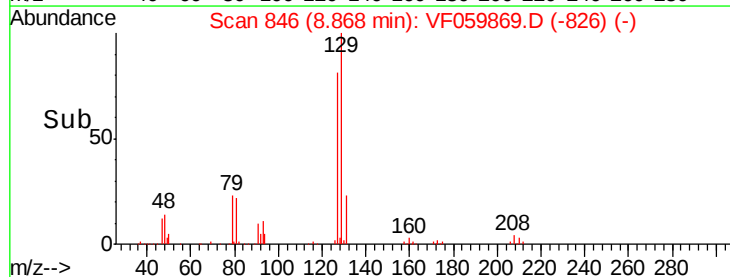
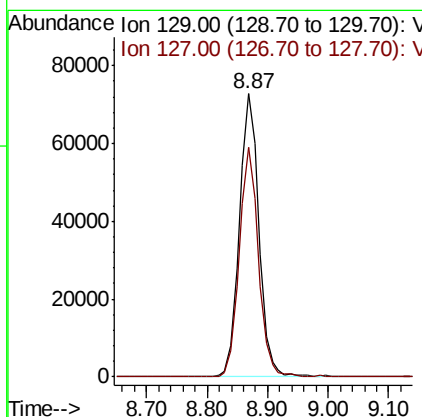
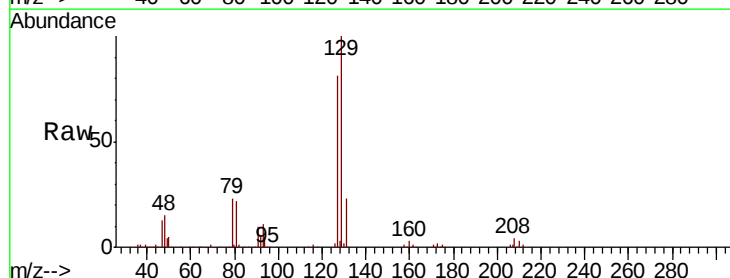
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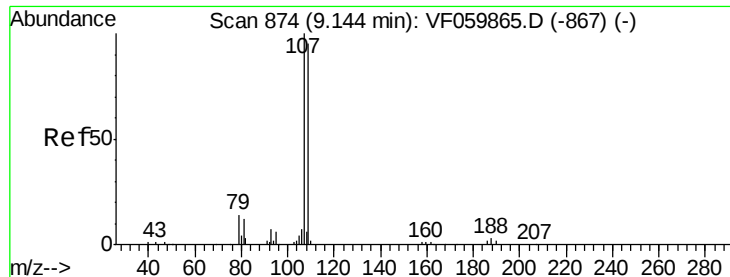
apatel
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#60
Dibromochloromethane
Concen: 49.46 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.0	36.9	110.7





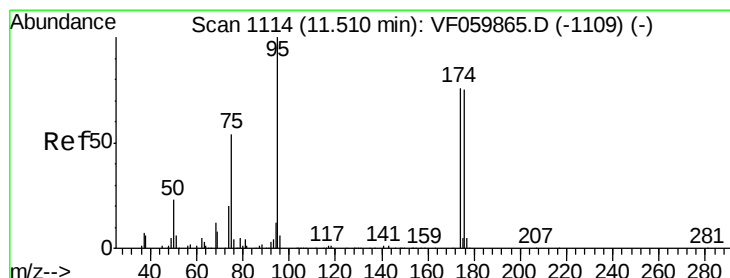
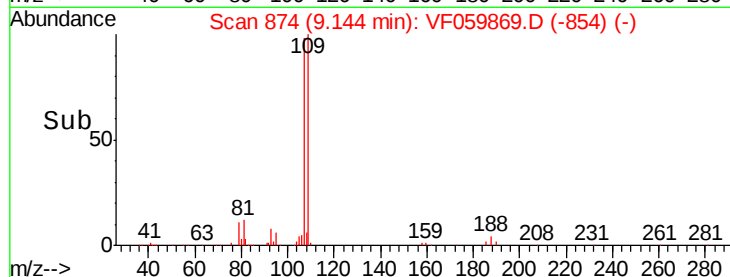
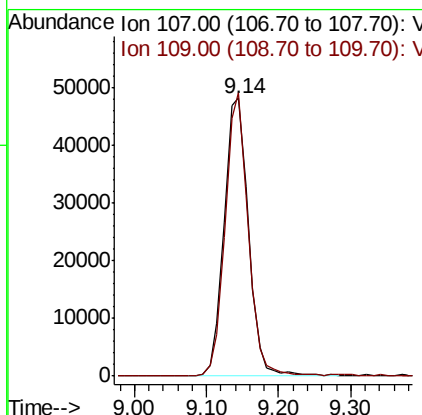
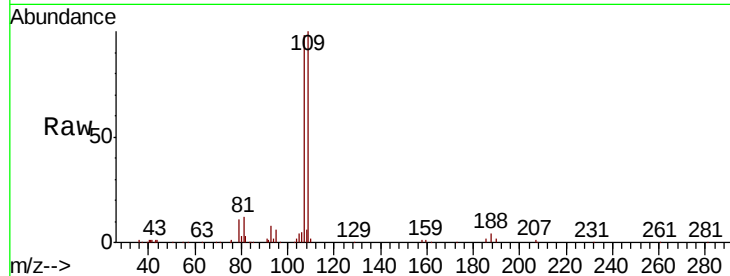
#61
 1,2-Dibromoethane
 Concen: 53.07 ug/l
 RT: 9.14 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF080418

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.8	75.8	113.8

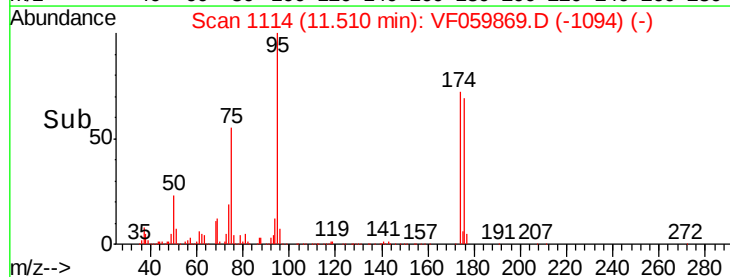
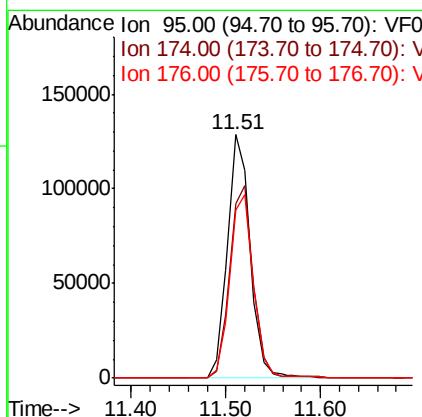
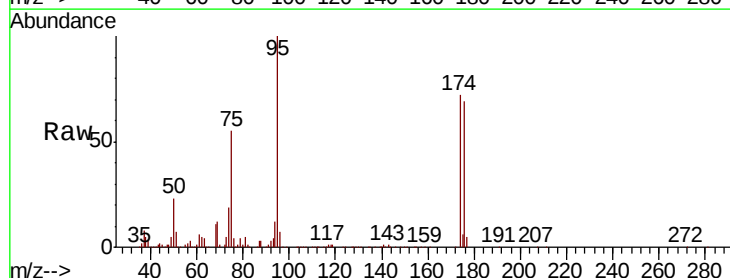
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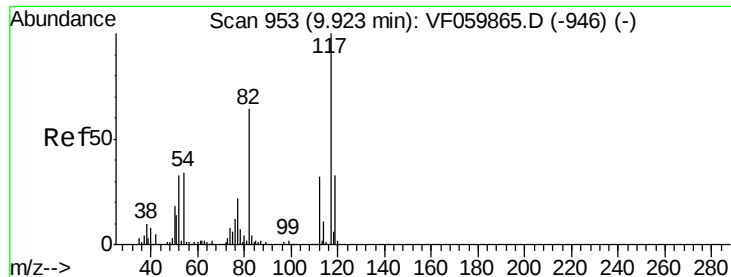
apatel
 8/6/2018 10:26:16 AM



#62
 4-Bromofluorobenzene
 Concen: 54.34 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	151.6
176	68.9	0.0	149.8





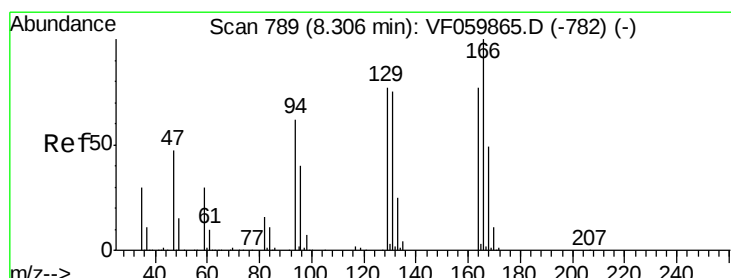
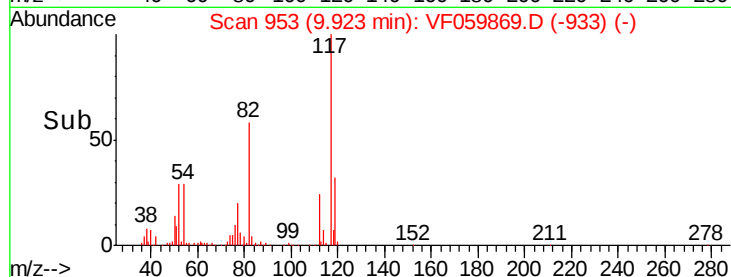
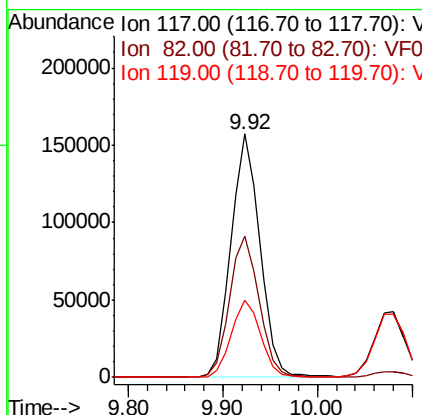
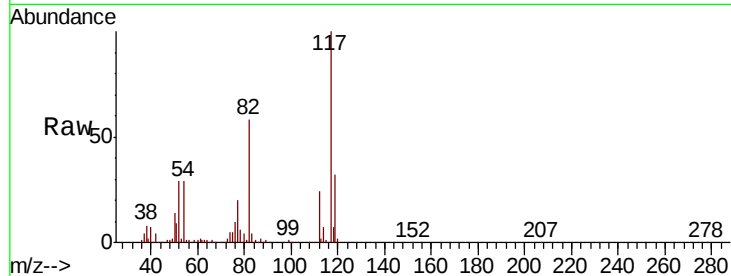
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Resp	Lower	Upper
117	100	334196		
82	58.2	51.3	76.9	
119	31.6	26.4	39.6	

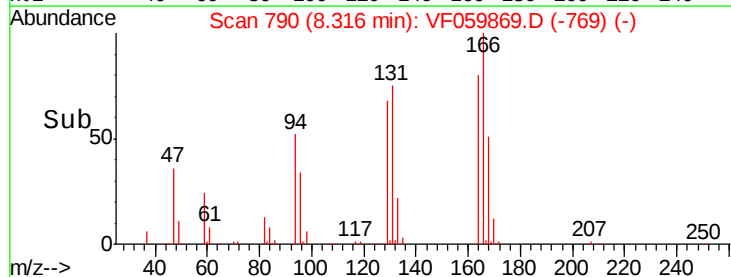
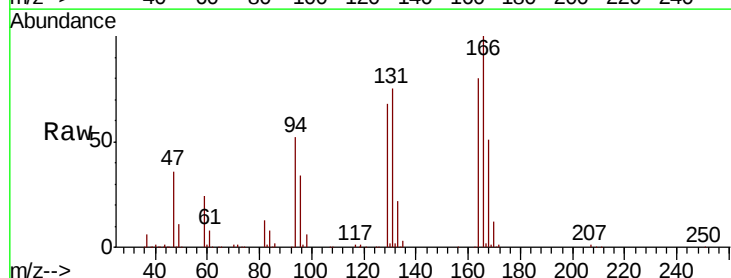
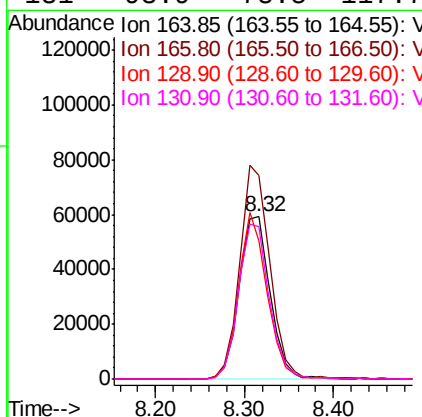
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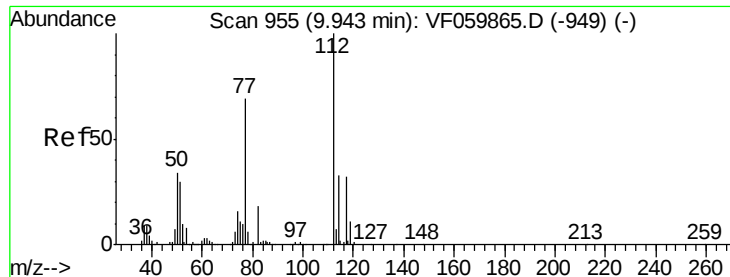
apatel
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#64
Tetrachloroethene
Concen: 49.64 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143109		
166	125.1	104.4	156.6	
129	85.1	80.3	120.5	
131	93.9	78.5	117.7	





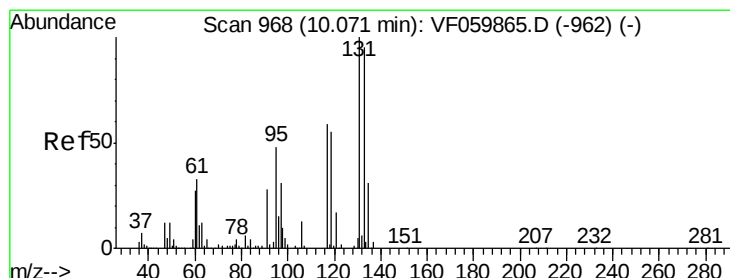
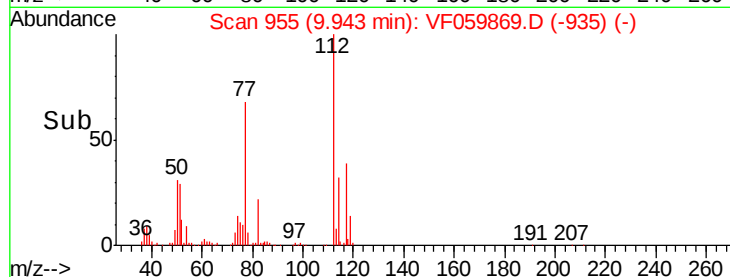
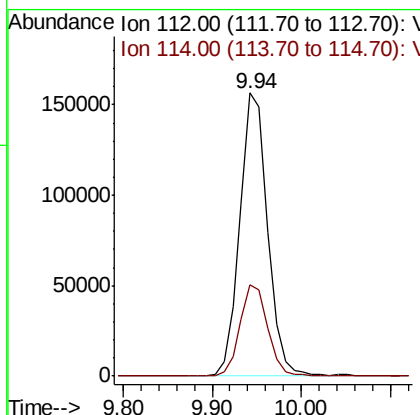
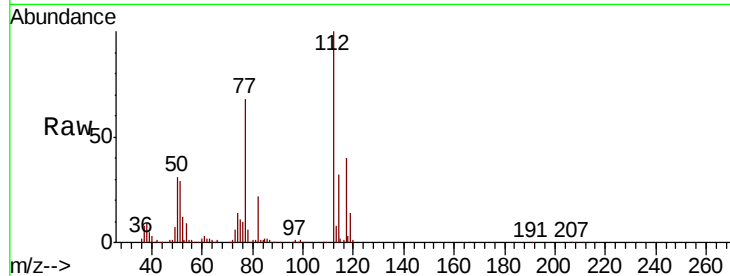
#65
Chlorobenzene
Concen: 50.00 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.4	39.6

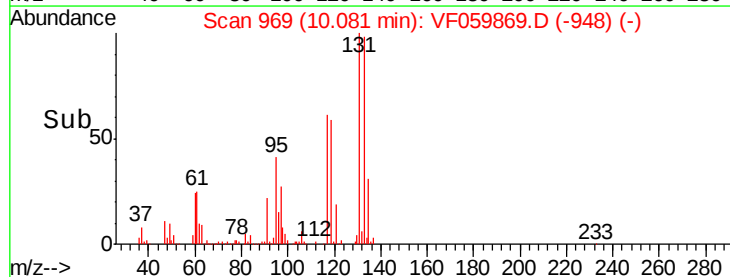
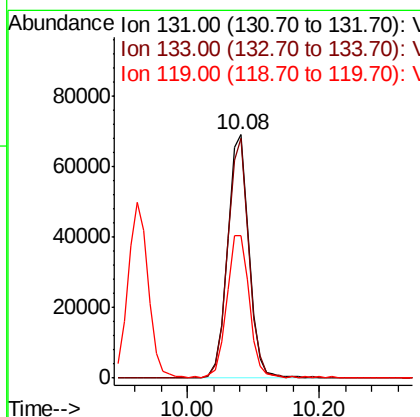
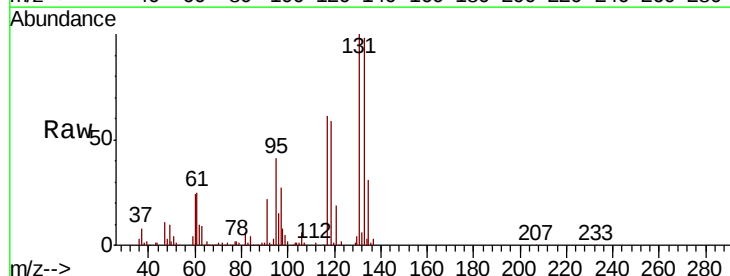
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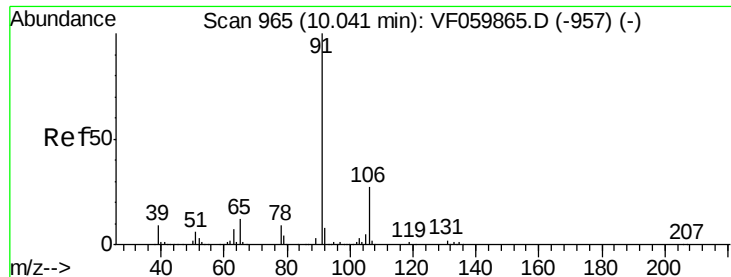
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.71 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.4	47.4	142.2
119	58.8	27.7	83.1





#67

Ethyl Benzene

Concen: 51.38 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 91 Resp: 607157

Ion Ratio Lower Upper

91 100

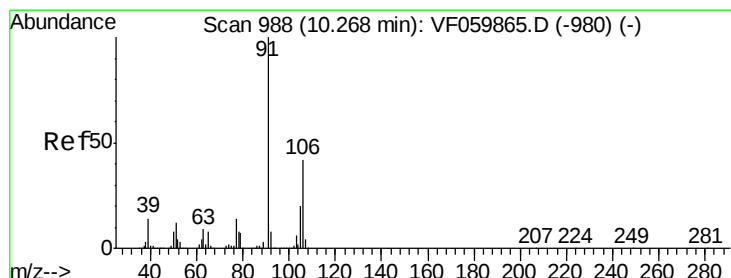
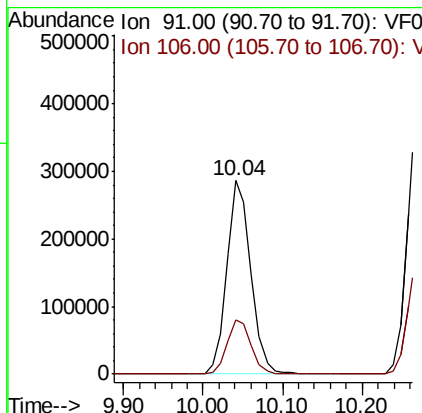
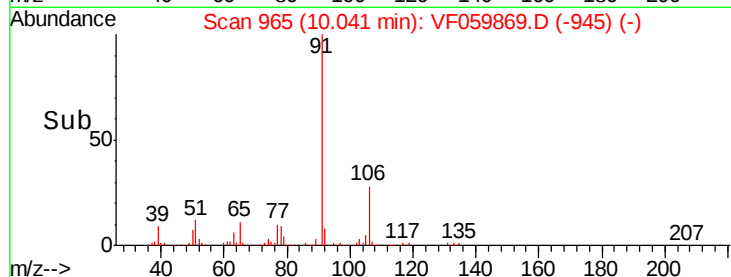
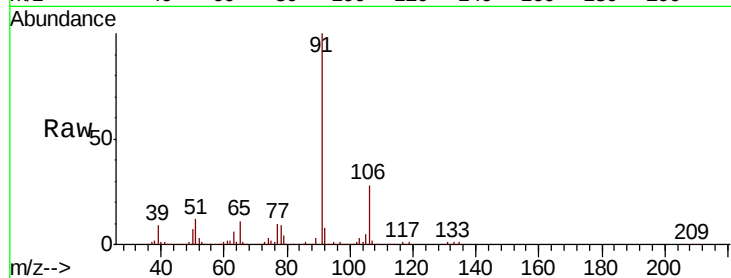
106 28.2 21.5 32.3

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#68

m/p-Xylenes

Concen: 103.65 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059869.D

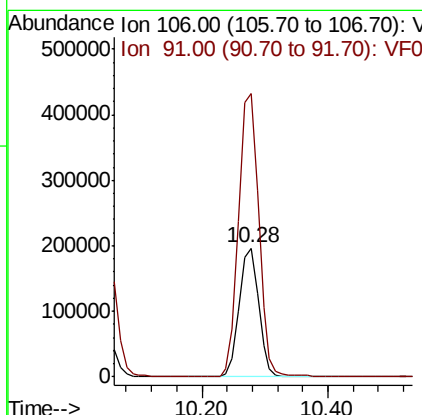
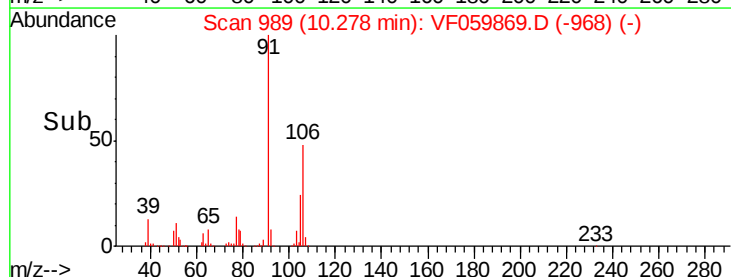
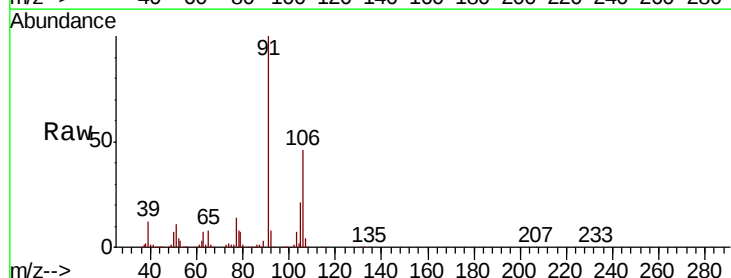
Acq: 4 Aug 2018 7:02

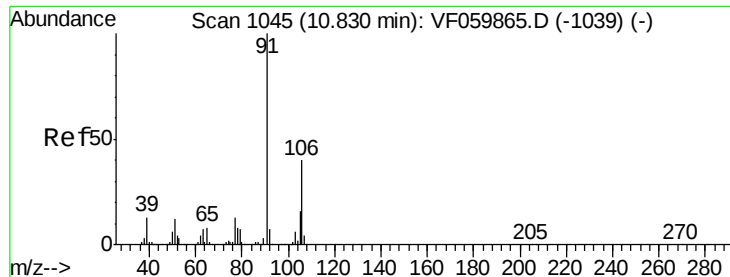
Tgt Ion:106 Resp: 423413

Ion Ratio Lower Upper

106 100

91 219.7 192.1 288.1





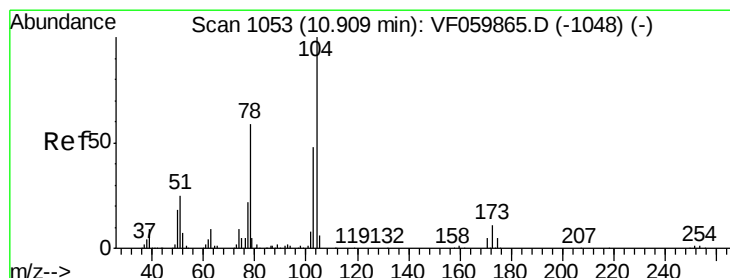
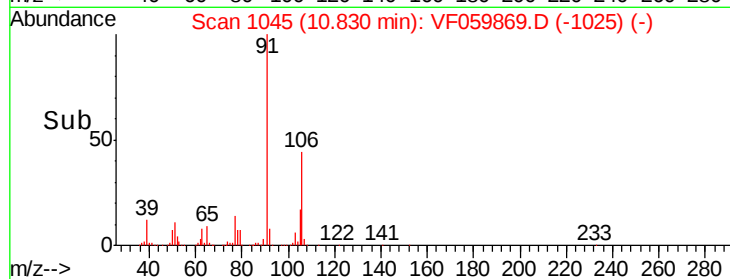
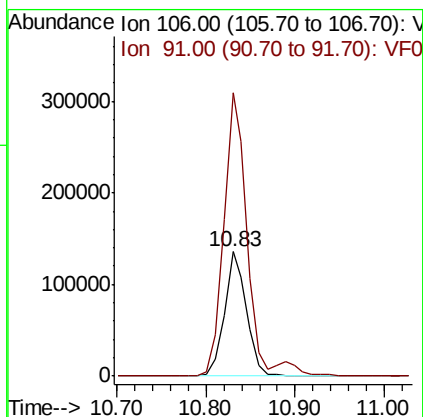
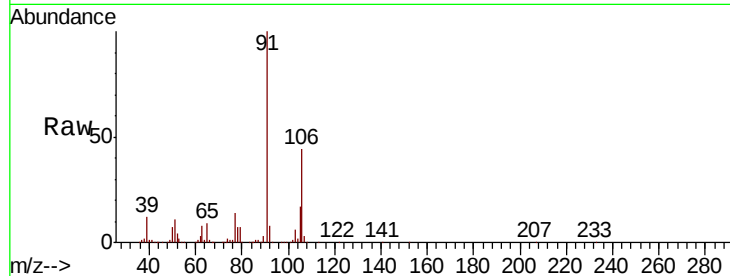
#69
o-Xylene
Concen: 54.91 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	227.6	125.4	376.2	

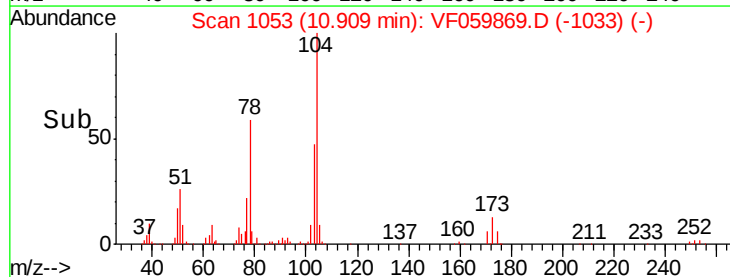
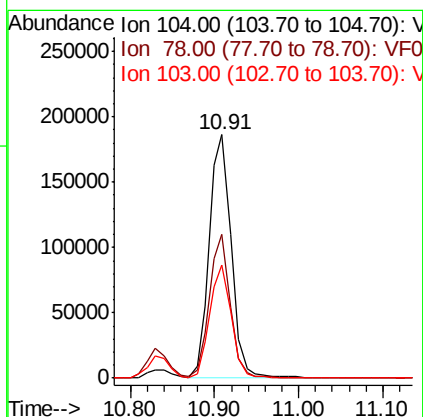
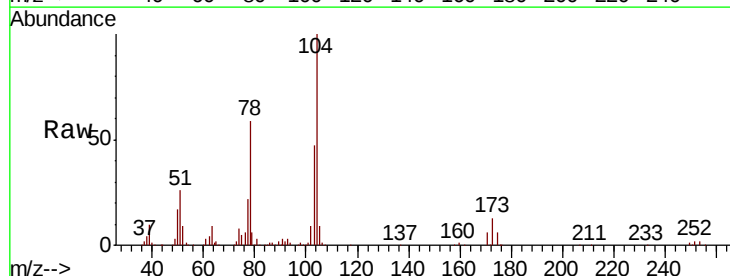
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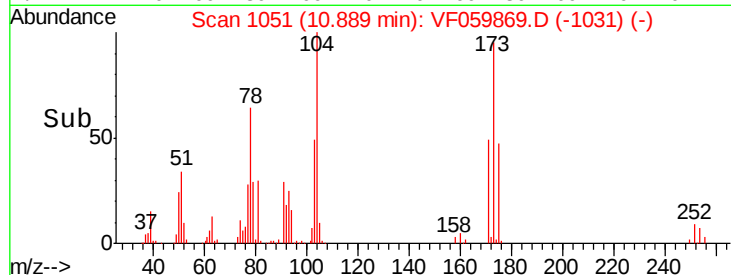
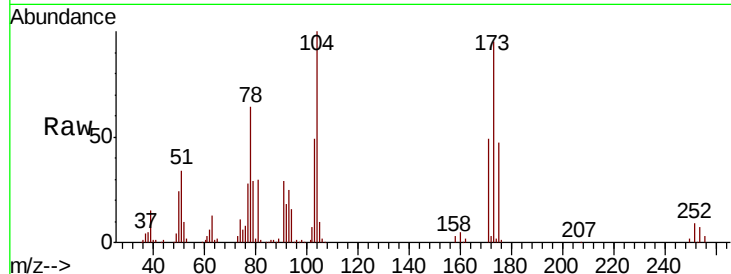
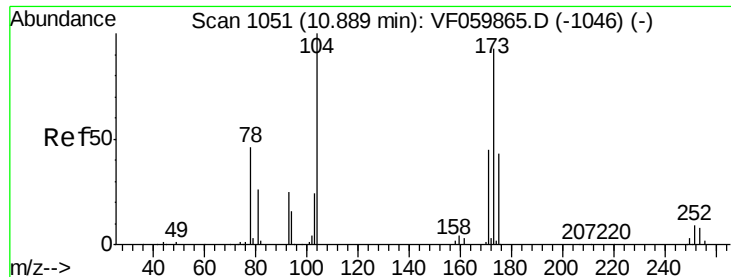
apatel
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#70
Styrene
Concen: 52.19 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	59.0	47.3	70.9	
103	46.5	39.0	58.4	





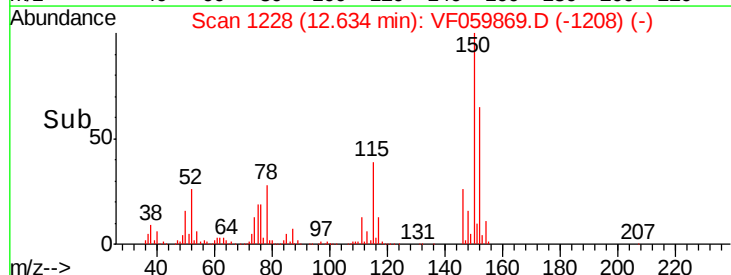
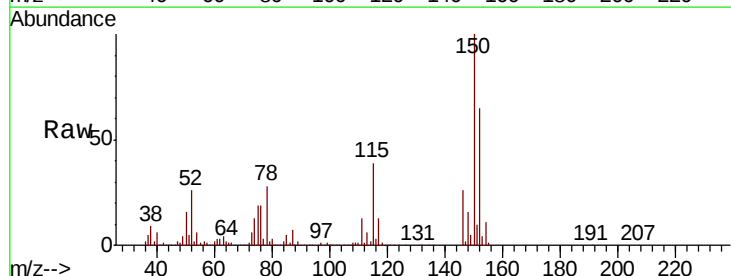
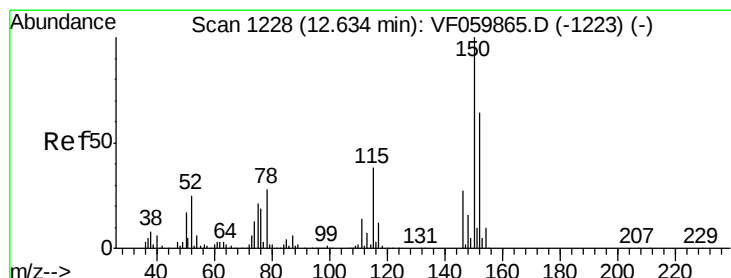
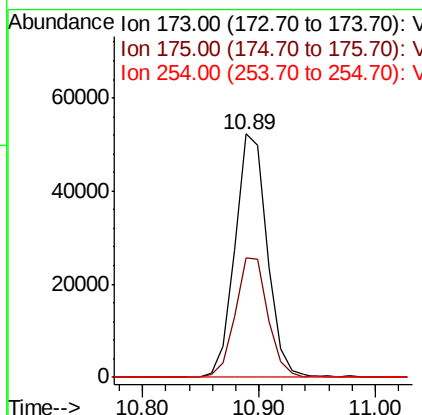
#71
Bromoform
Concen: 48.34 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.4	70.2
254	0.0	0.0	0.0

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

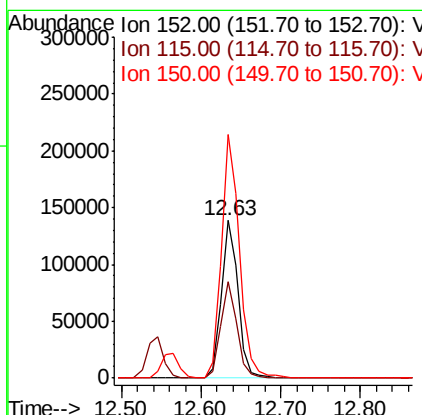
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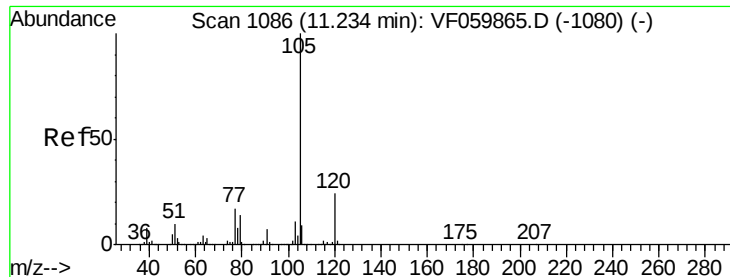
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.8	89.4
150	154.7	0.0	315.6





#73

Isopropylbenzene

Concen: 55.03 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 105 Resp: 706899

Ion Ratio Lower Upper

105 100

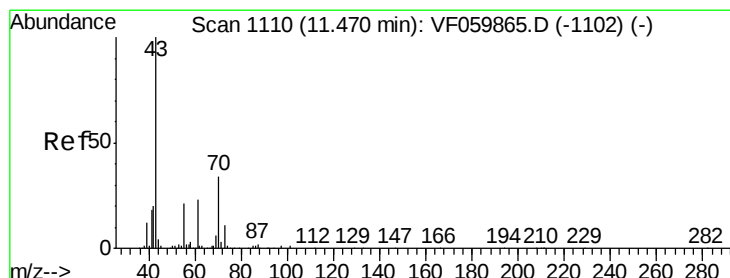
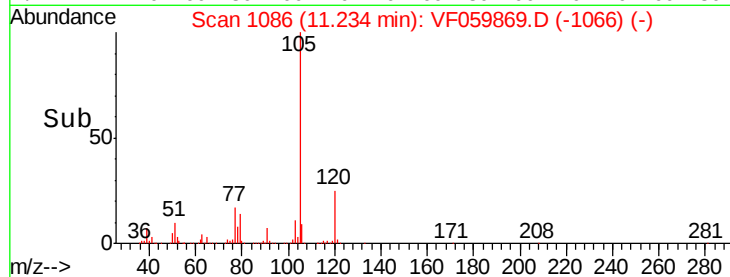
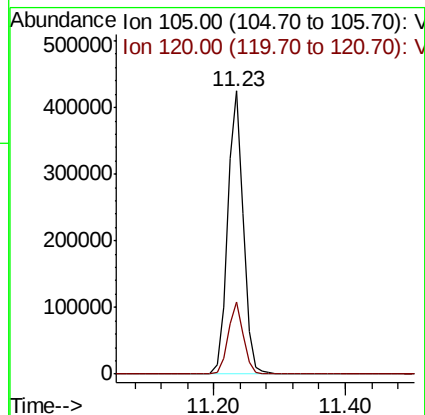
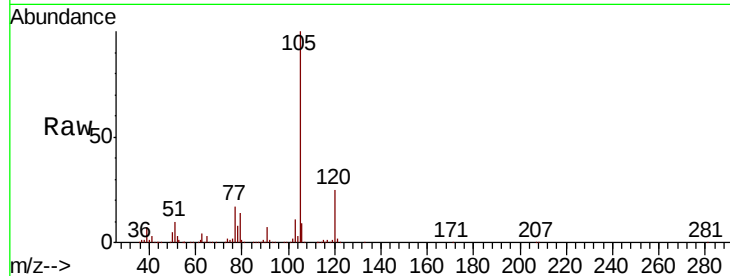
120 25.3 12.1 36.3

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#74

N-ethyl acetate

Concen: 59.91 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion: 43 Resp: 192444

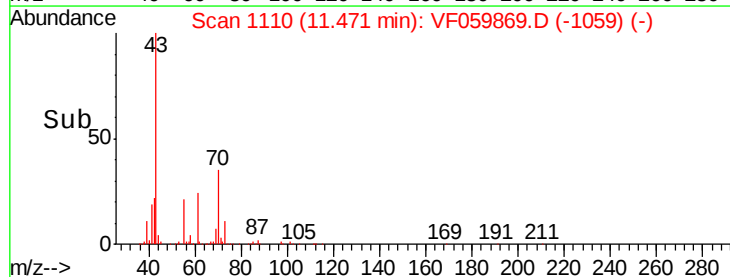
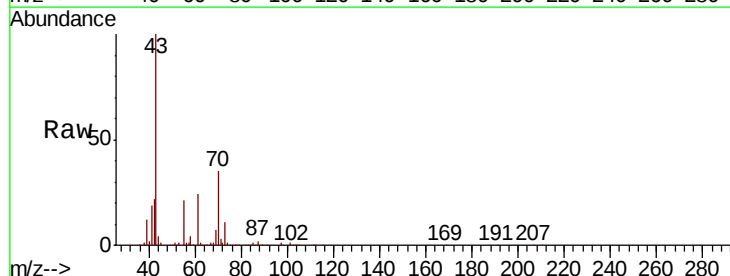
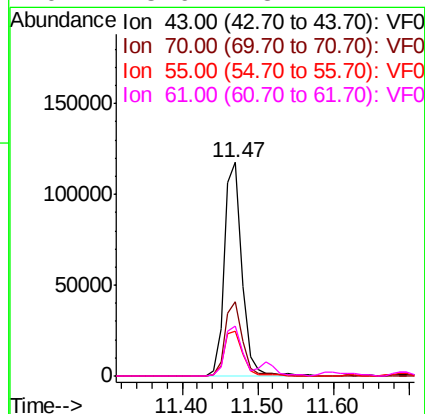
Ion Ratio Lower Upper

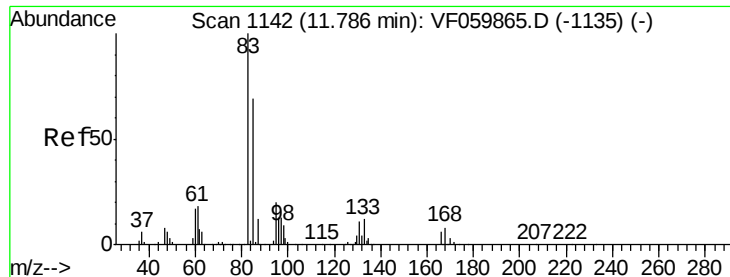
43 100

70 34.9 27.5 41.3

55 21.2 16.6 25.0

61 23.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.24 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 83 Resp: 130832
Ion Ratio Lower Upper

83 100

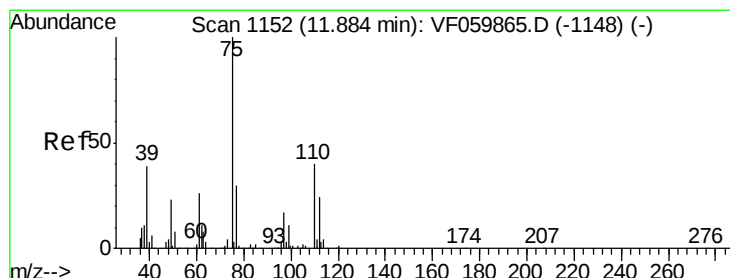
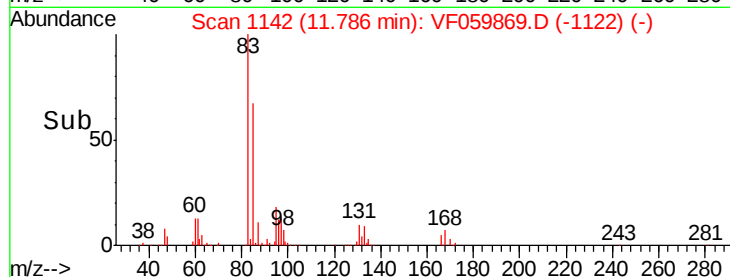
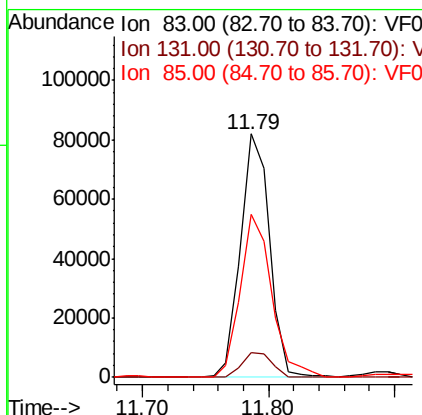
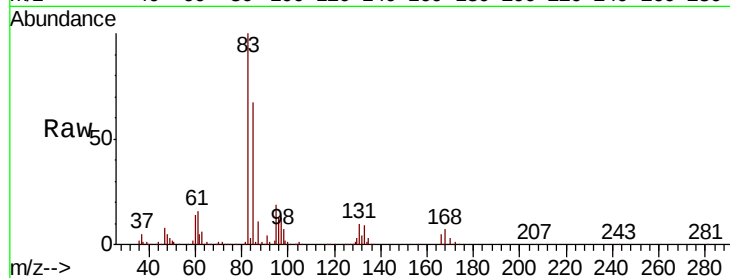
131 10.2 5.3 15.9

85 66.8 34.5 103.5

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#76

1,2,3-Trichloropropane

Concen: 53.09 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

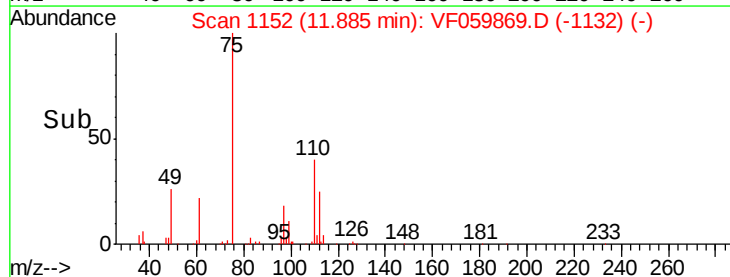
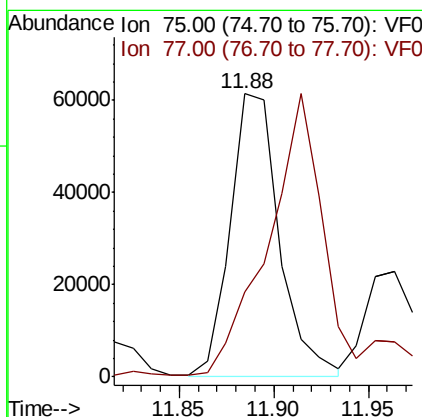
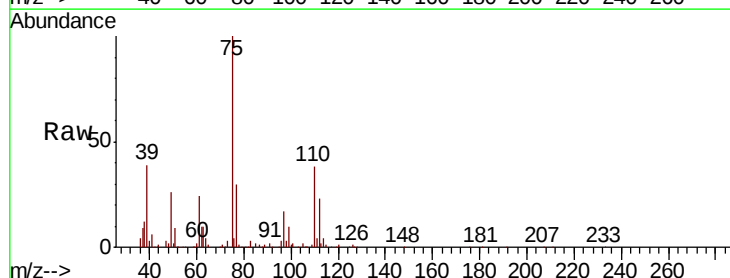
Lab File: VF059869.D

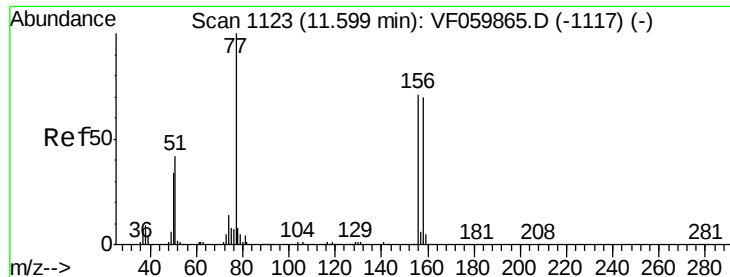
Acq: 4 Aug 2018 7:02

Tgt Ion: 75 Resp: 109985
Ion Ratio Lower Upper

75 100

77 30.2 15.4 46.2





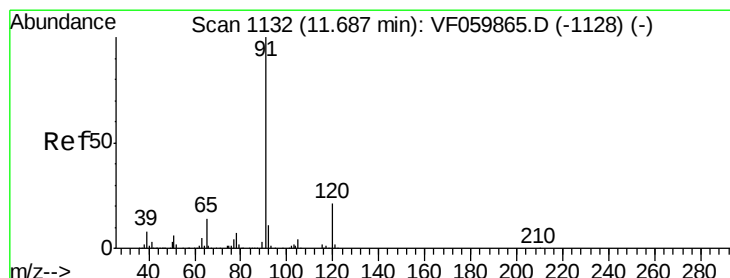
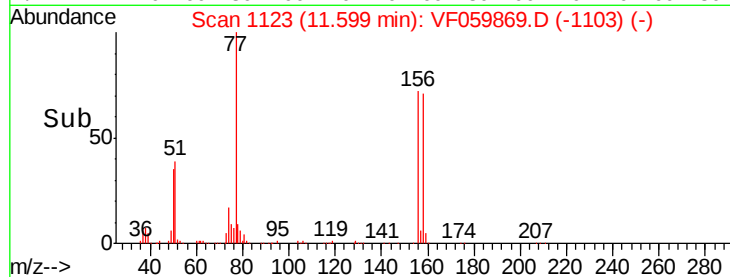
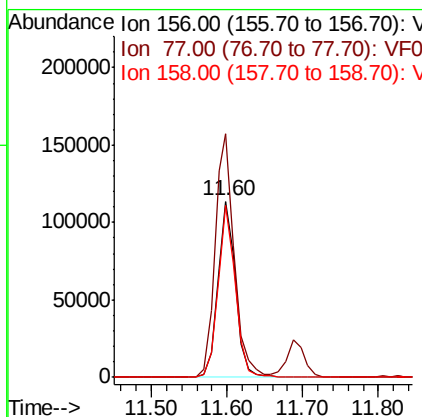
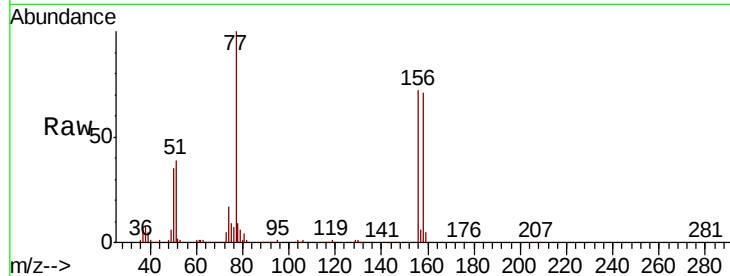
#77
Bromobenzene
Concen: 53.40 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	138.5	70.2	210.6	
158	97.8	49.2	147.6	

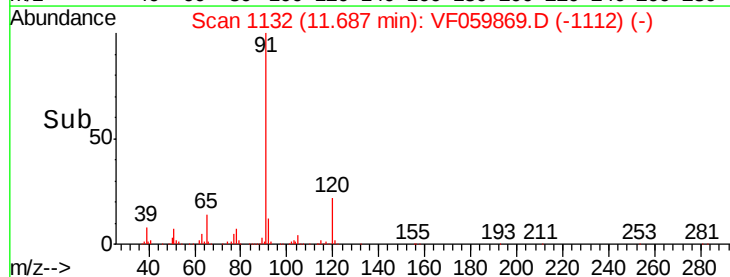
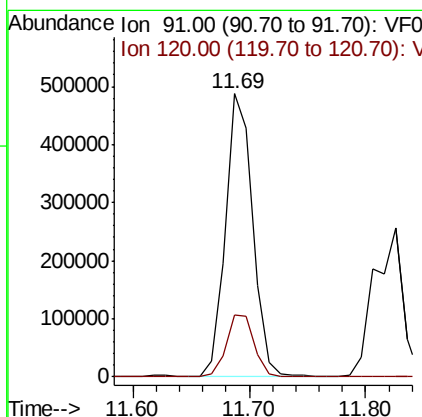
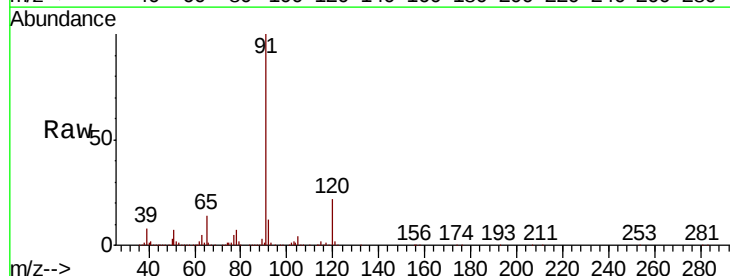
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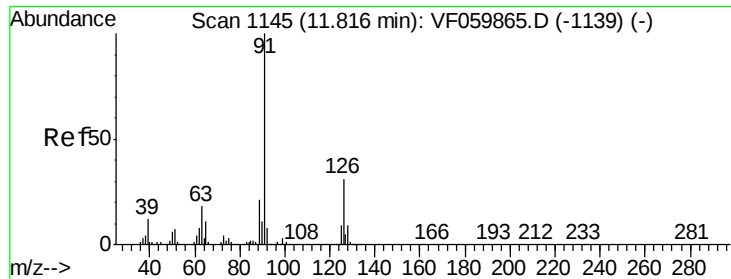
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#78
n-propylbenzene
Concen: 51.81 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.4	31.2	





#79

2-Chlorotoluene

Concen: 44.96 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion: 91 Resp: 431481

Ion Ratio Lower Upper

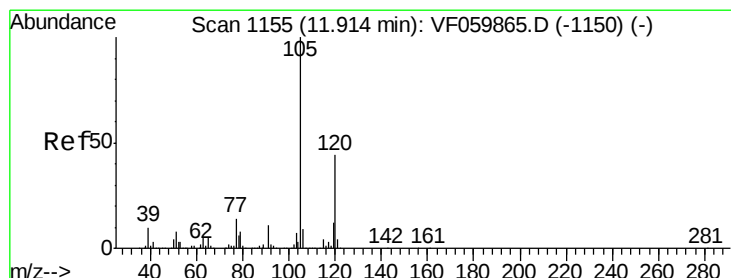
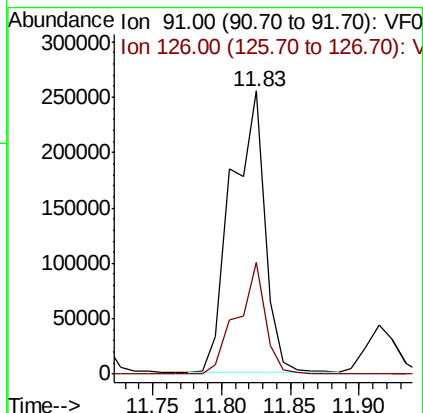
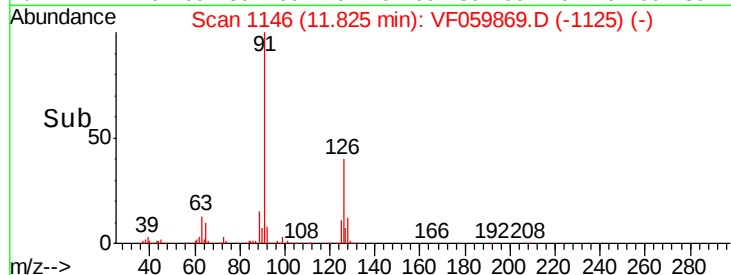
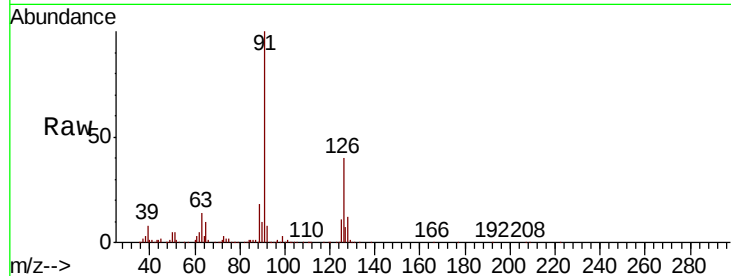
91 100

126 39.7 15.6 46.7

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#80

1,3,5-Trimethylbenzene

Concen: 51.17 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059869.D

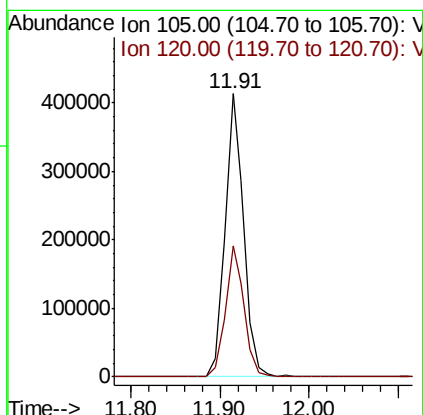
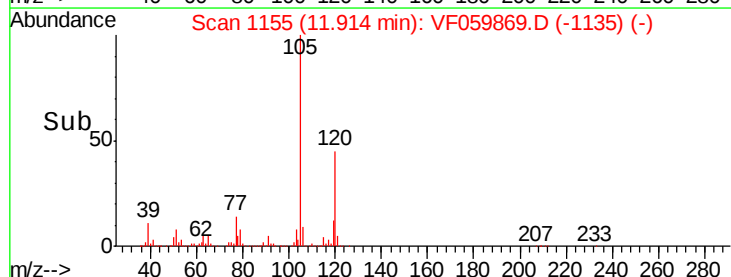
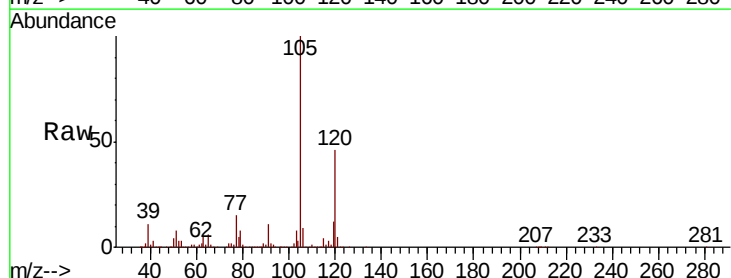
Acq: 4 Aug 2018 7:02

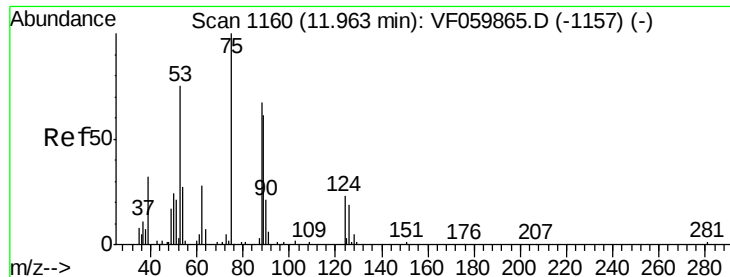
Tgt Ion: 105 Resp: 610392

Ion Ratio Lower Upper

105 100

120 46.2 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 61.57 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

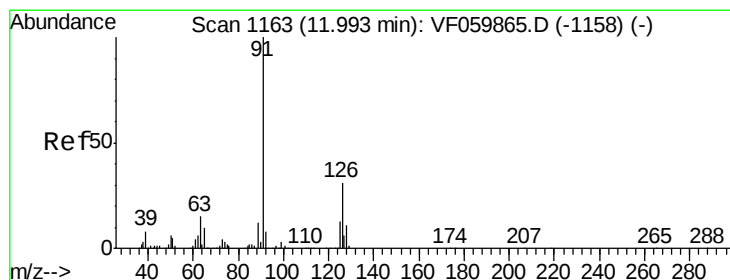
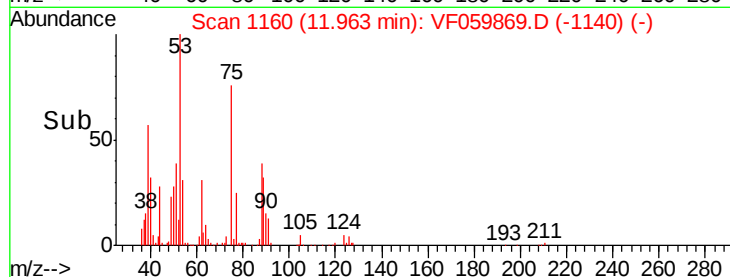
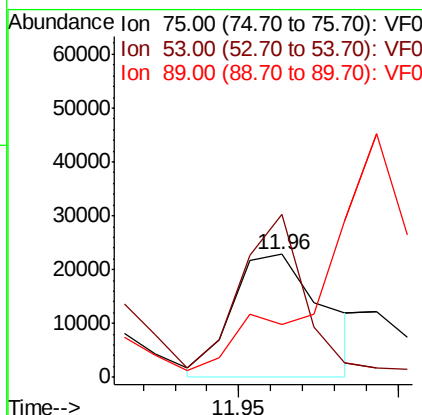
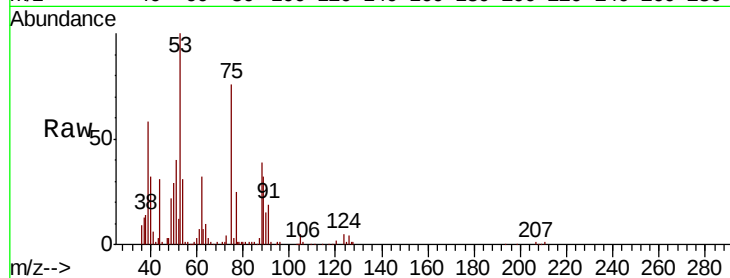
ClientSampleId :

ICVVF080418

Tot Ion:	75	Resp:	45817
Ion Ratio	Lower	Upper	
75	100		
53	132.4	65.9	98.9#
89	42.7	50.6	76.0#

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#82

4-Chlorotoluene

Concen: 52.83 ug/l

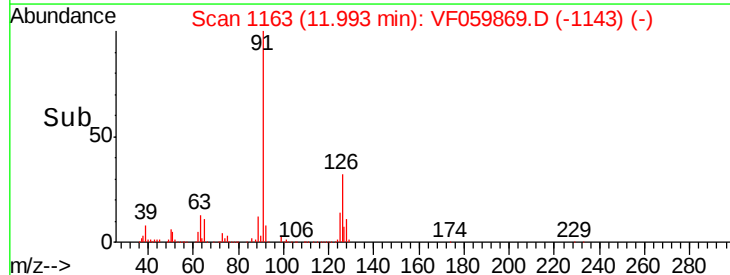
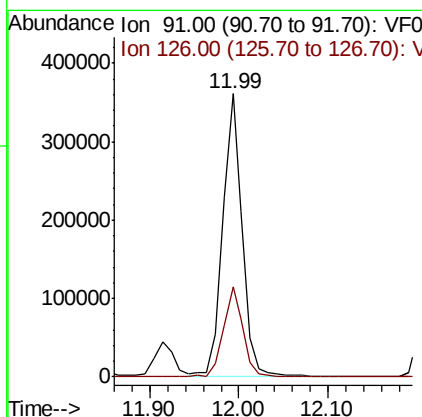
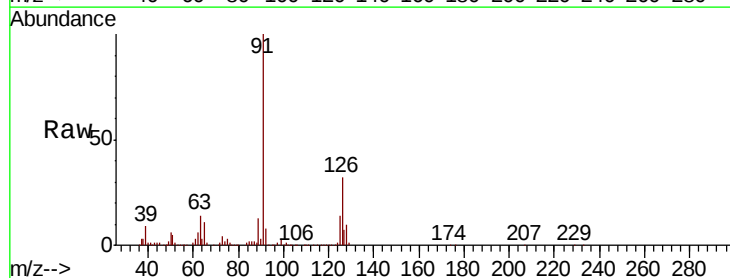
RT: 11.99 min Scan# 1163

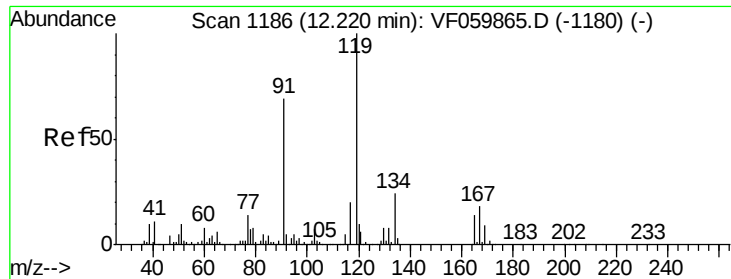
Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Tgt Ion:	91	Resp:	550566
Ion Ratio	Lower	Upper	
91	100		
126	31.6	15.7	47.0





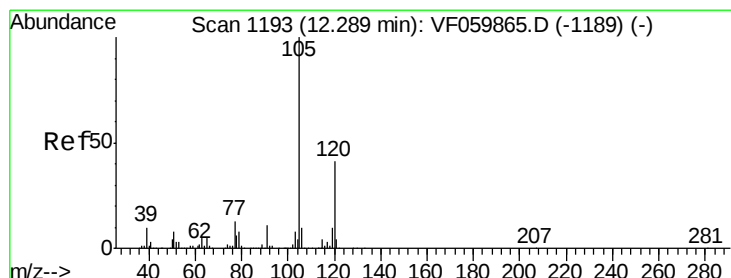
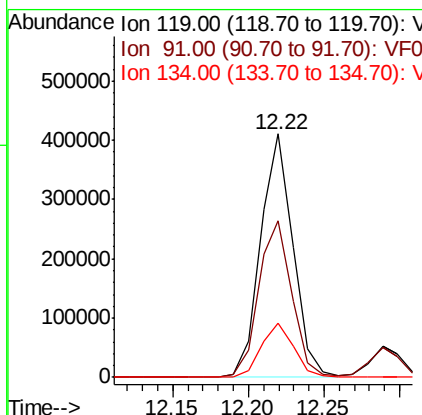
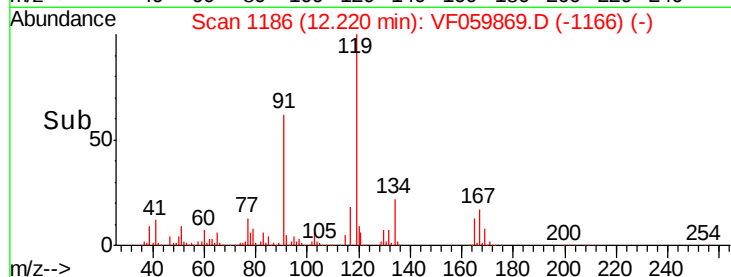
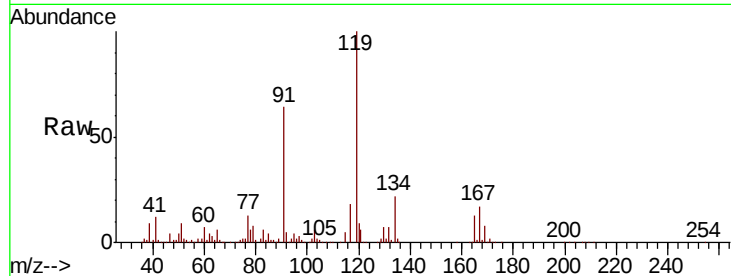
#83
 tert-Butylbenzene
 Concen: 52.94 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF080418

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	34.4	103.2
134	22.3	12.1	36.3

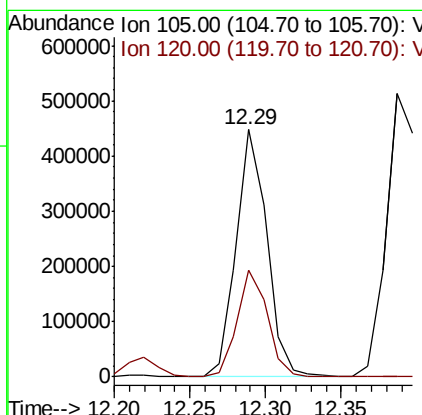
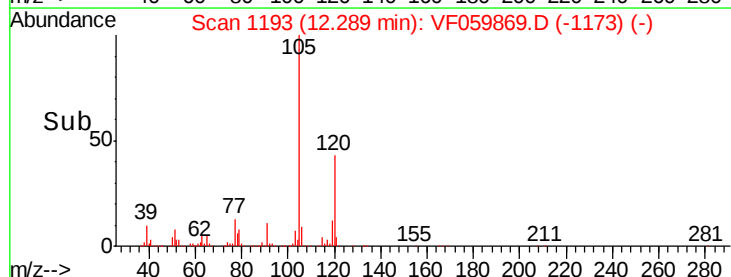
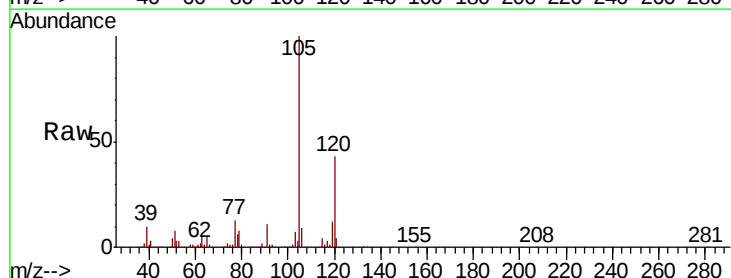
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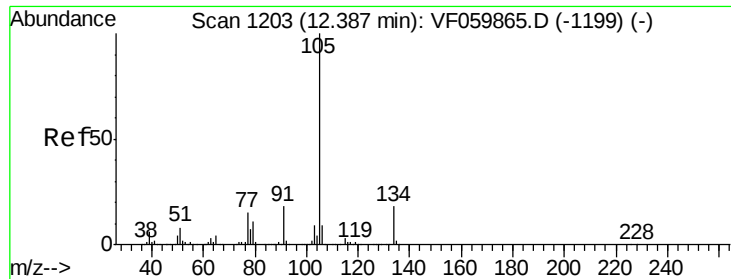
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.65 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	20.8	62.5





#85

sec-Butylbenzene

Concen: 51.55 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

Instrument :

MSVOA_F

ClientSampleId :

ICVVF080418

Tot Ion:105 Resp: 795359

Ion Ratio Lower Upper

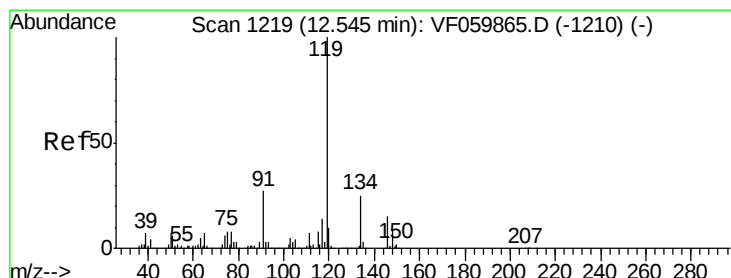
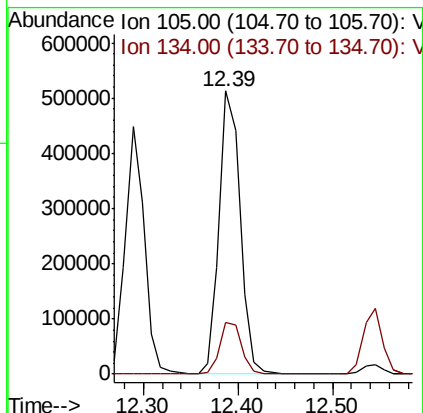
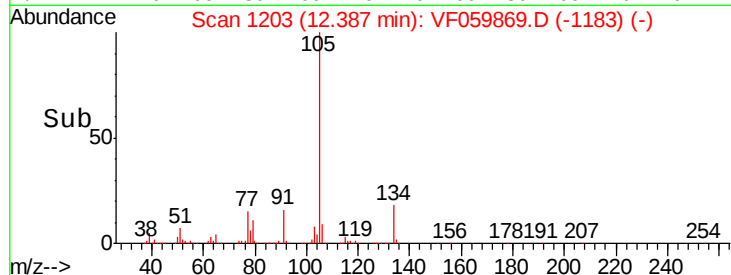
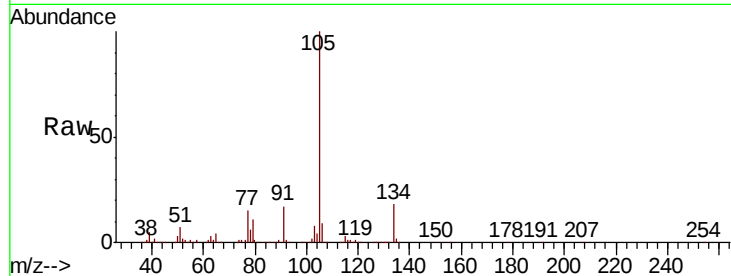
105 100

134 18.3 9.1 27.3

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#86

p-Isopropyltoluene

Concen: 53.52 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059869.D

Acq: 4 Aug 2018 7:02

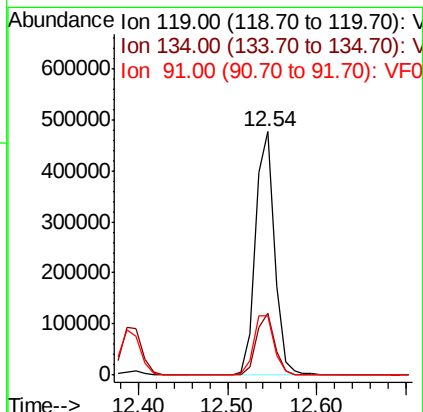
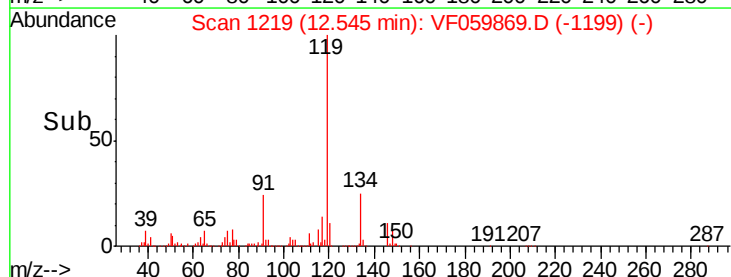
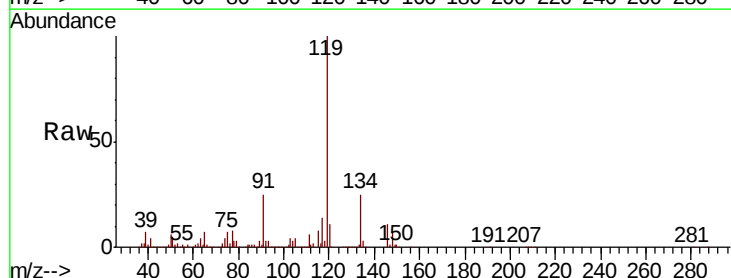
Tgt Ion:119 Resp: 694095

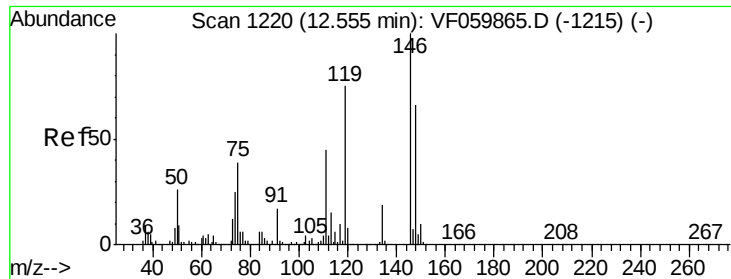
Ion Ratio Lower Upper

119 100

134 25.2 12.4 37.0

91 24.5 13.6 40.7





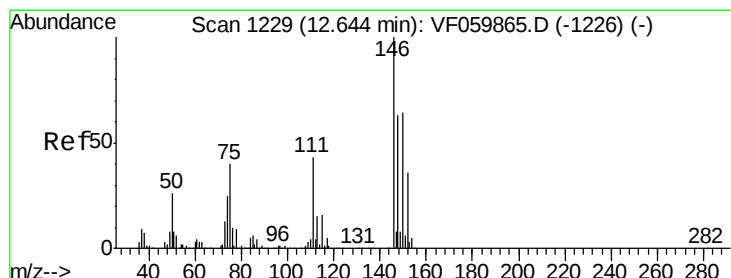
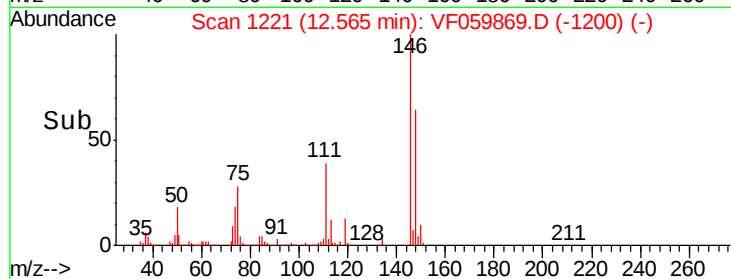
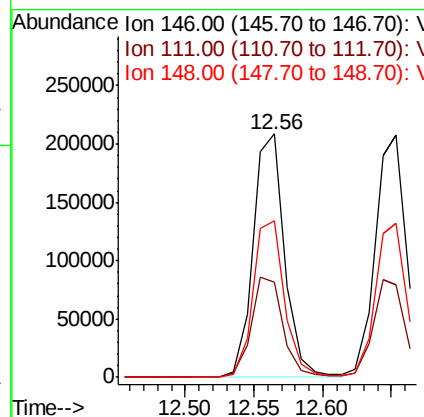
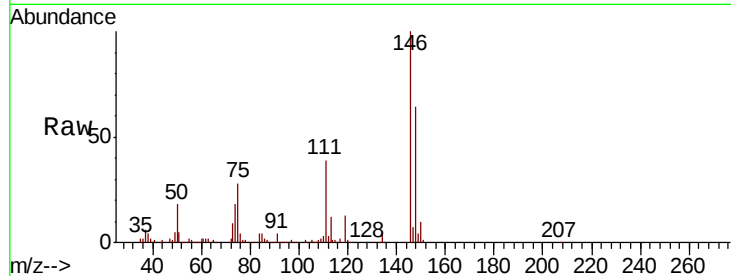
#87
 1,3-Dichlorobenzene
 Concen: 50.32 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF080418

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	22.4	67.0
148	64.3	33.1	99.3

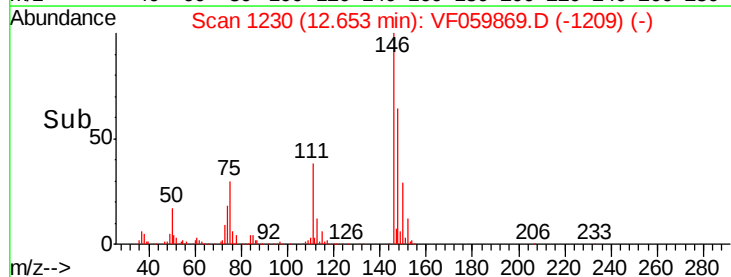
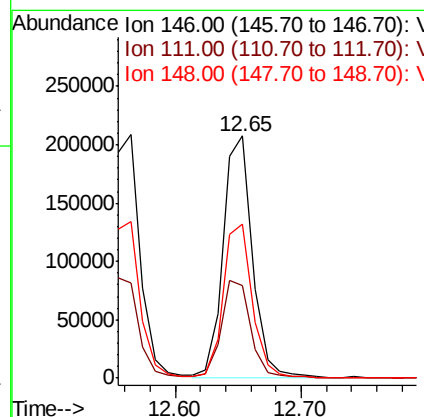
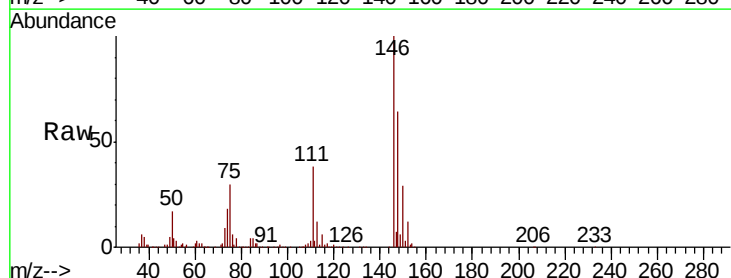
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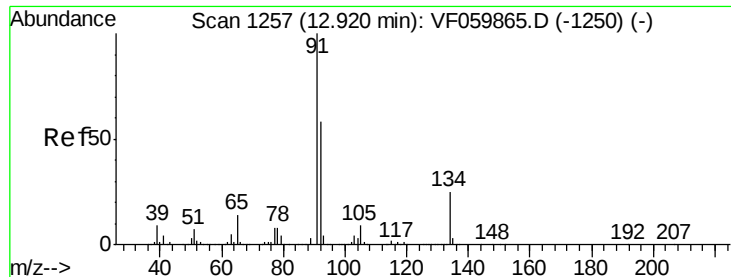
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#88
 1,4-Dichlorobenzene
 Concen: 50.81 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	21.4	64.2
148	63.7	31.6	94.7





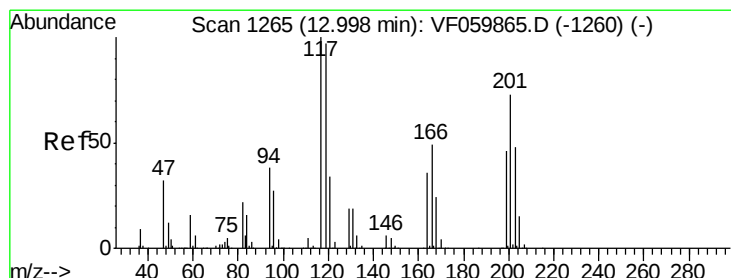
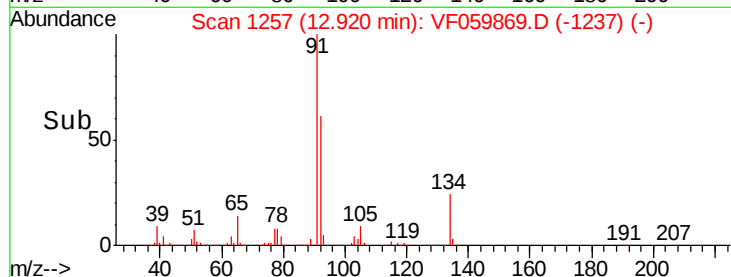
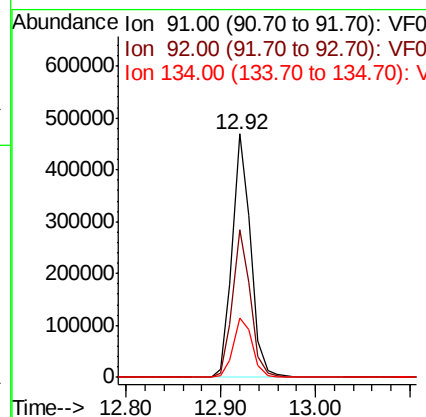
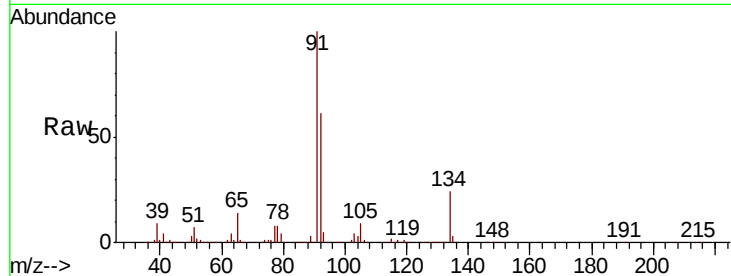
#89
n-Butylbenzene
Concen: 51.12 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.8	28.8	86.5
134	24.5	12.6	37.6

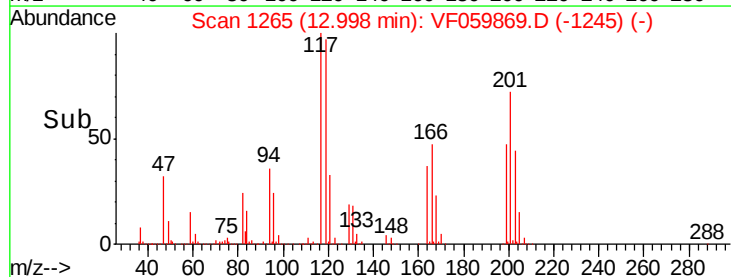
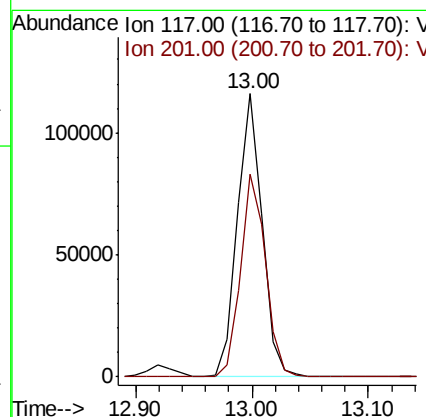
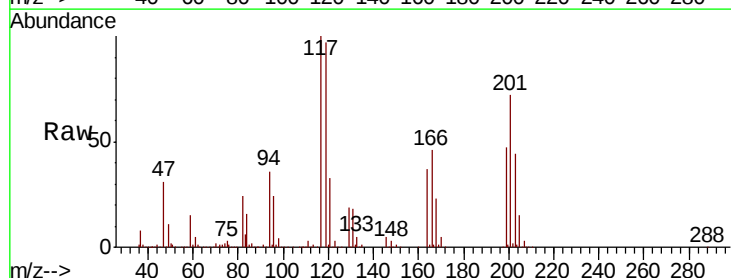
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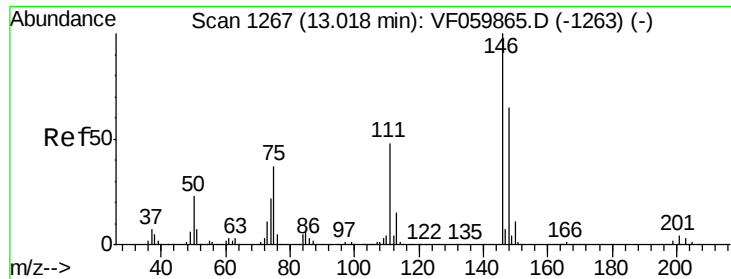
apatel
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#90
Hexachloroethane
Concen: 47.93 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.5	36.6	109.8





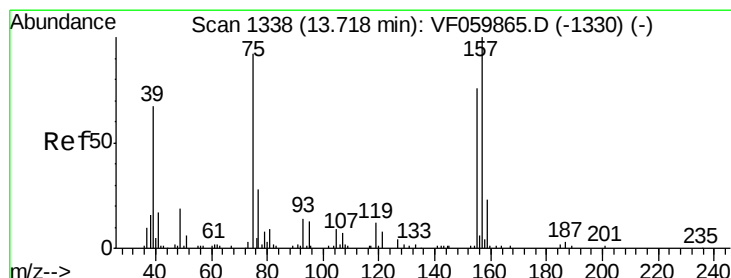
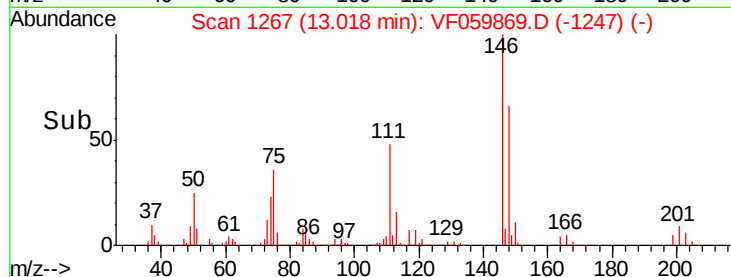
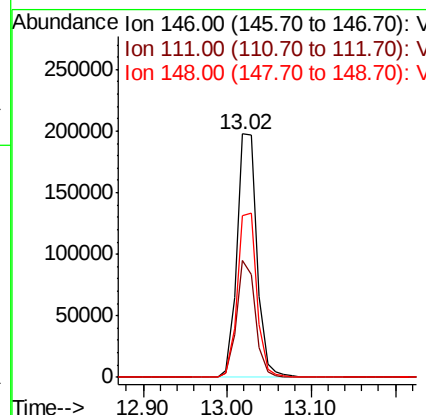
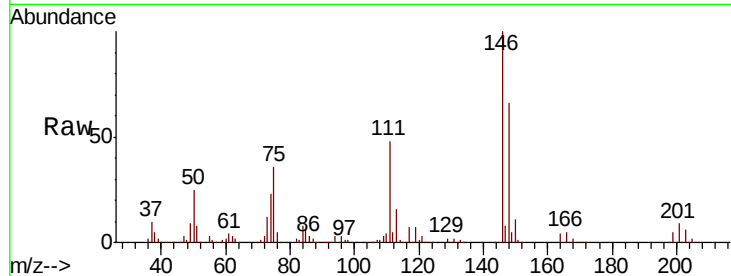
#91
 1,2-Dichlorobenzene
 Concen: 51.21 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF080418

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.1	72.2
148	66.3	32.8	98.3

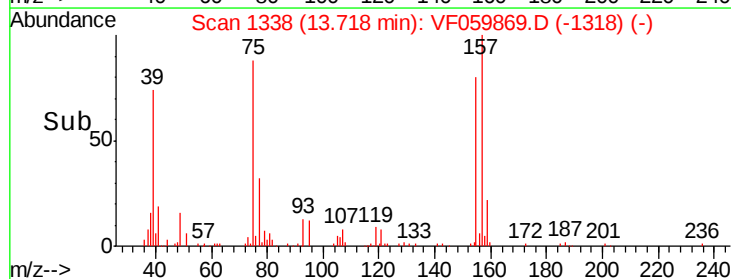
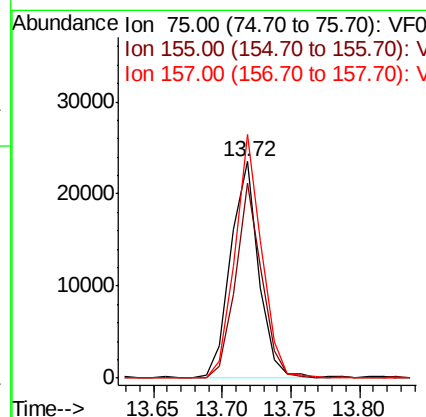
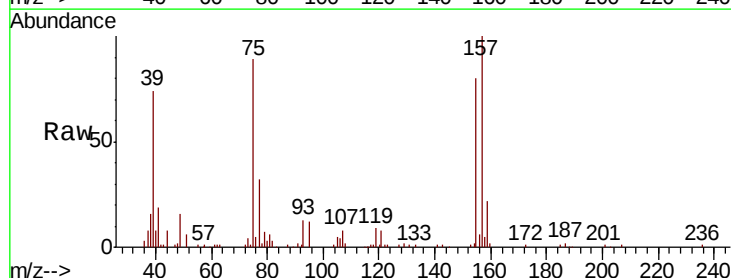
Manual Integrations
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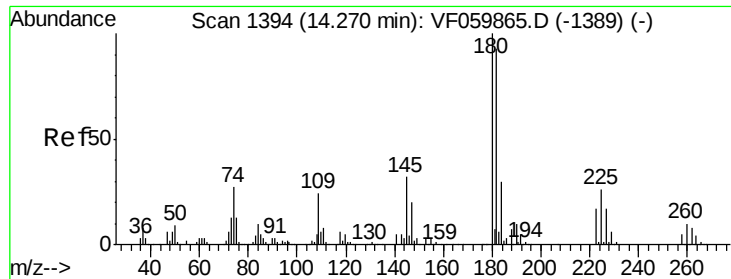
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.93 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	41.2	123.6
157	112.6	54.5	163.6





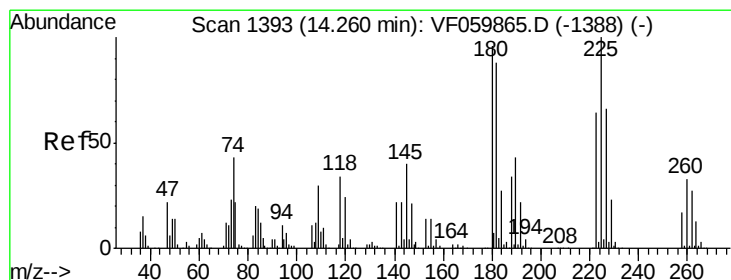
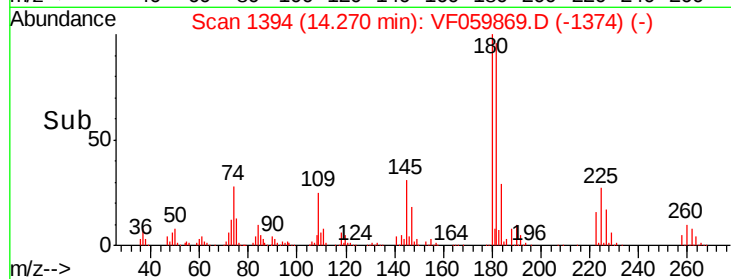
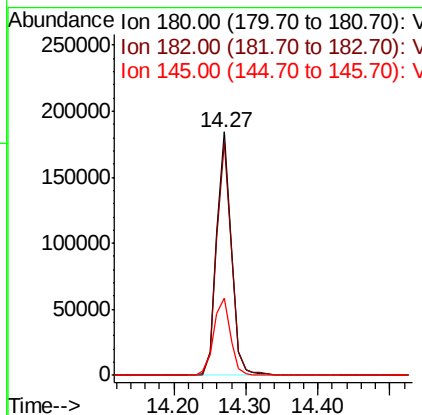
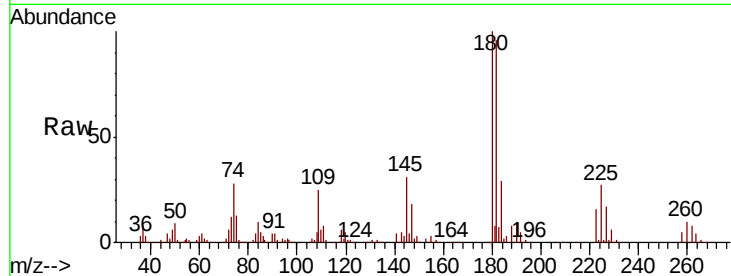
#93
 1,2,4-Trichlorobenzene
 Concen: 52.98 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF080418

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256253		
182	96.1	46.4	139.2	
145	31.5	15.9	47.7	

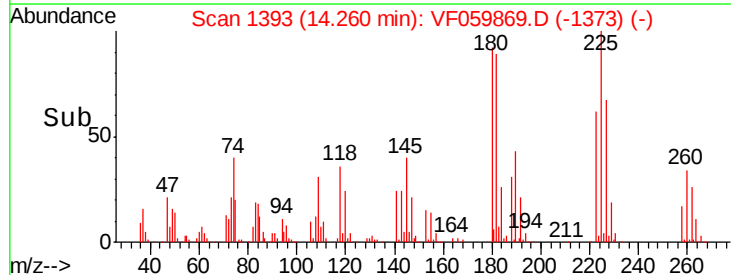
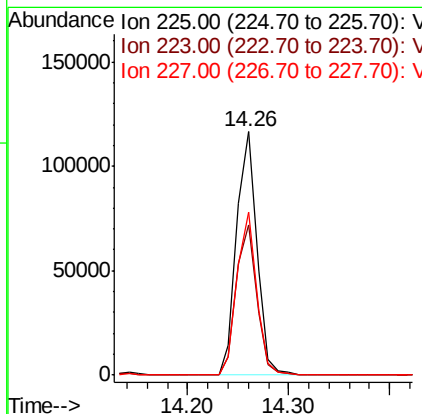
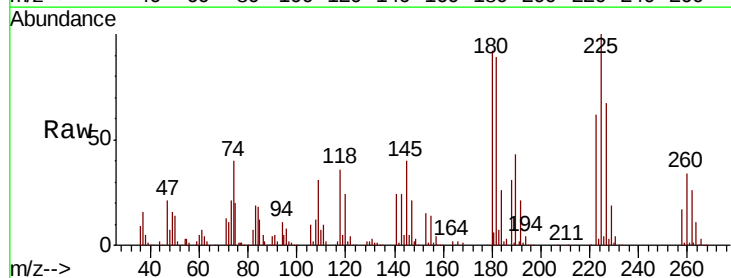
Manual Integrations
 APPROVED

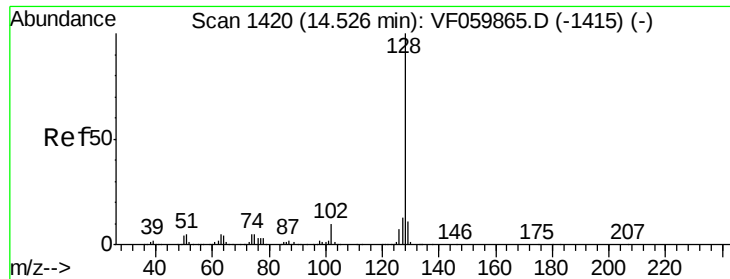
apatel
 8/6/2018 10:26:16 AM



#94
 Hexachlorobutadiene
 Concen: 47.53 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059869.D
 Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162397		
223	61.7	31.9	95.9	
227	66.9	32.8	98.4	





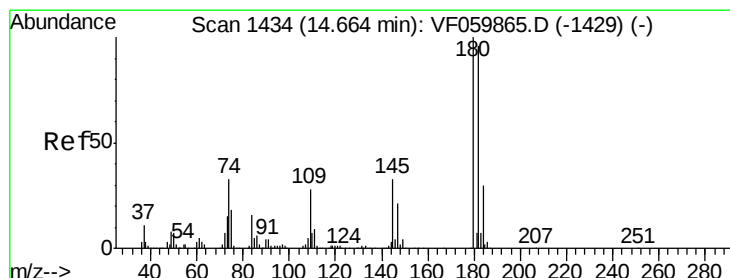
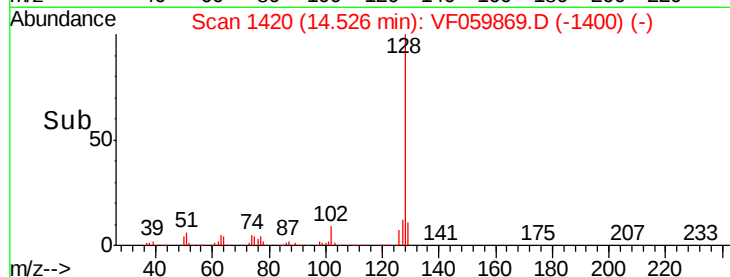
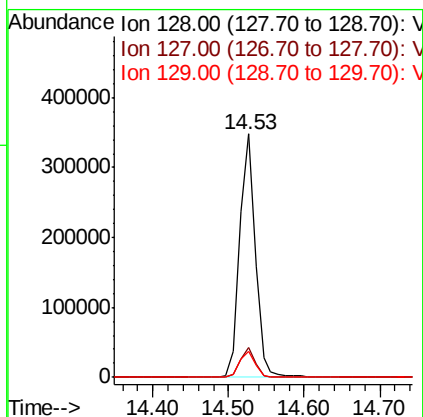
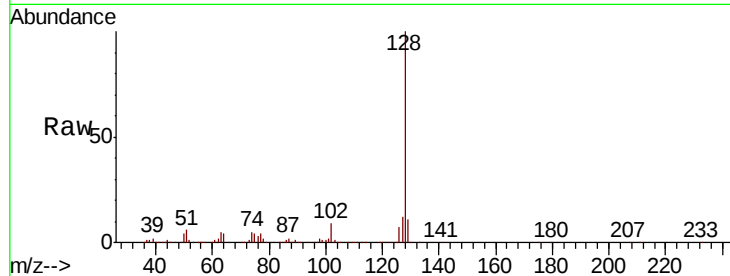
#95
Naphthalene
Concen: 58.83 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Instrument :
MSVOA_F
ClientSampleId :
ICVVF080418

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.9	9.0	13.6

Manual Integrations
APPROVED

apatel
8/6/2018 10:26:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.11 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059869.D
Acq: 4 Aug 2018 7:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.5	48.1	144.3
145	31.1	16.6	49.8

