

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059477.D
 Acq On : 7 Jul 2018 5:44
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF070718

Manual Integrations
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apatel
 7/9/2018 9:34:52 AM

Quant Time: Jul 07 06:41:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 06:35:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	283711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.72	114	409004	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.88	117	416353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	236733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	225568	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
35) Dibromofluoromethane	4.26	113	186932	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	7.68	98	473053	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.48	95	237804	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	174597	43.69	ug/l	97
3) Chloromethane	1.07	50	97275	49.35	ug/l	98
4) Vinyl Chloride	1.14	62	105320	51.16	ug/l	93
5) Bromomethane	1.33	94	73866	46.77	ug/l	99
6) Chloroethane	1.42	64	52673	48.53	ug/l	97
7) Trichlorofluoromethane	1.48	101	205950m	47.12	ug/l	
8) Diethyl Ether	1.68	74	47235	51.54	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.88	101	106863	45.12	ug/l	98
10) Methyl Iodide	1.95	142	211392	47.94	ug/l	92
11) Tert butyl alcohol	2.67	59	51369	228.51	ug/l	98
12) 1,1-Dichloroethene	1.84	96	100714	46.97	ug/l	85
13) Acrolein	2.08	56	34446	197.75	ug/l	95
14) Allyl chloride	2.17	41	184044	49.43	ug/l	# 76
15) Acrylonitrile	3.04	53	109890	267.71	ug/l	99
16) Acetone	2.31	43	162516	220.18	ug/l	96
17) Carbon Disulfide	1.86	76	280992	49.82	ug/l	100
18) Methyl Acetate	2.43	43	73640	42.97	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	311957	44.65	ug/l	99
20) Methylene Chloride	2.29	84	102905m	48.78	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	105962	46.44	ug/l	91
22) Diisopropyl ether	2.89	45	382490	49.59	ug/l	95
23) Vinyl Acetate	3.30	43	1144050	255.49	ug/l	99
24) 1,1-Dichloroethane	2.97	63	242705	47.06	ug/l	99
25) 2-Butanone	4.47	43	261512	260.03	ug/l	100
26) 2,2-Dichloropropane	3.72	77	129887	43.69	ug/l	91
27) cis-1,2-Dichloroethene	3.58	96	176444	62.92	ug/l	88
28) Bromochloromethane	3.85	49	106860	49.92	ug/l	98
29) Tetrahydrofuran	4.22	42	117547	249.35	ug/l	97
30) Chloroform	4.00	83	329282	45.12	ug/l	92
31) Cyclohexane	3.83	56	163600	54.70	ug/l	98
32) 1,1,1-Trichloroethane	4.24	97	250469	44.63	ug/l	99
36) 1,1-Dichloropropene	4.42	75	216514	50.12	ug/l	99
37) Ethyl Acetate	4.26	43	122789	48.44	ug/l	92
38) Carbon Tetrachloride	4.13	117	268028m	43.41	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	196232	54.08	ug/l	98
40) Benzene	4.77	78	424574	50.15	ug/l	95
41) Methacrylonitrile	4.89	41	62086	53.31	ug/l	93
42) 1,2-Dichloroethane	5.07	62	265998	43.37	ug/l	92
43) Isopropyl Acetate	7.07	43	157508	54.27	ug/l #	95
44) Trichloroethene	5.64	130	148845	47.66	ug/l	93
45) 1,2-Dichloropropane	6.36	63	117882	48.50	ug/l	96
46) Dibromomethane	6.22	93	107641	48.31	ug/l	96
47) Bromodichloromethane	6.51	83	268034	47.27	ug/l	90
48) Methyl methacrylate	6.84	41	107873	52.09	ug/l	92
49) 1,4-Dioxane	6.83	88	12014	1278.23	ug/l	92
51) 4-Methyl-2-Pentanone	8.38	43	520848	240.86	ug/l	98
52) Toluene	7.74	92	298302	47.18	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	215149	43.83	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	238580	48.69	ug/l	95
55) 1,1,2-Trichloroethane	8.60	97	114571	46.45	ug/l	99
56) Ethyl methacrylate	8.73	69	145714	52.22	ug/l	94
57) 1,3-Dichloropropane	8.97	76	202283	48.01	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.74	63	58841	220.18	ug/l	100
59) 2-Hexanone	9.60	43	422678	262.98	ug/l	97
60) Dibromochloromethane	8.83	129	193785	47.15	ug/l	97
61) 1,2-Dibromoethane	9.09	107	142650	47.06	ug/l	100
64) Tetrachloroethene	8.27	164	175068	50.20	ug/l	97
65) Chlorobenzene	9.90	112	392251	48.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.03	131	174516	46.69	ug/l	94
67) Ethyl Benzene	10.00	91	692200	49.07	ug/l	99
68) m/p-Xylenes	10.24	106	491412	98.85	ug/l	94
69) o-Xylene	10.80	106	264334	49.40	ug/l	93
70) Styrene	10.87	104	402886	48.31	ug/l	97
71) Bromoform	10.86	173	121956	47.37	ug/l #	99
73) Isopropylbenzene	11.20	105	772127	53.66	ug/l	98
74) N-amyl acetate	11.44	43	264907	60.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	167802	51.30	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	133892	50.28	ug/l	95
77) Bromobenzene	11.57	156	201830	50.69	ug/l	98
78) n-propylbenzene	11.67	91	879279	50.89	ug/l	98
79) 2-Chlorotoluene	11.79	91	552324	51.66	ug/l	98
80) 1,3,5-Trimethylbenzene	11.88	105	685945	53.79	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.93	75	70966	51.37	ug/l	90
82) 4-Chlorotoluene	11.96	91	575883	50.83	ug/l	99
83) tert-Butylbenzene	12.19	119	650314	52.44	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	690434	51.49	ug/l	98
85) sec-Butylbenzene	12.37	105	857320	51.22	ug/l	98
86) p-Isopropyltoluene	12.52	119	760061	53.09	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	364391	48.31	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	362063	49.30	ug/l	99
89) n-Butylbenzene	12.90	91	715517	51.30	ug/l	99
90) Hexachloroethane	12.98	117	183608	49.36	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	367416	49.12	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41709	50.93	ug/l	93

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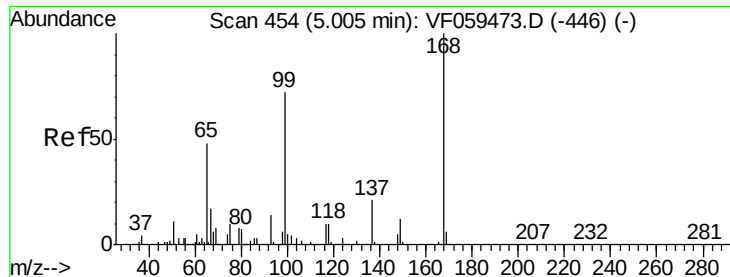
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	289989	52.19	ug/l	96
94) Hexachlorobutadiene	14.24	225	172650	51.29	ug/l	98
95) Naphthalene	14.51	128	638105	57.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	286516	53.16	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion:168 Resp: 283711

Ion Ratio Lower Upper

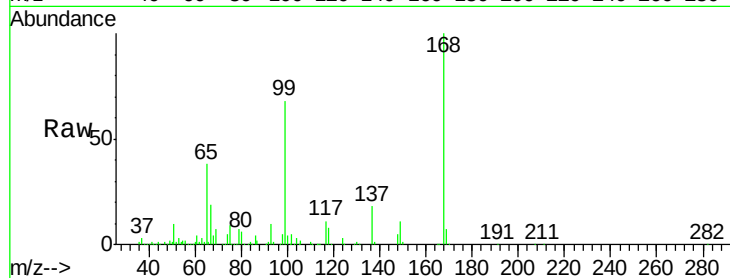
168 100

99 68.0 57.7 86.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

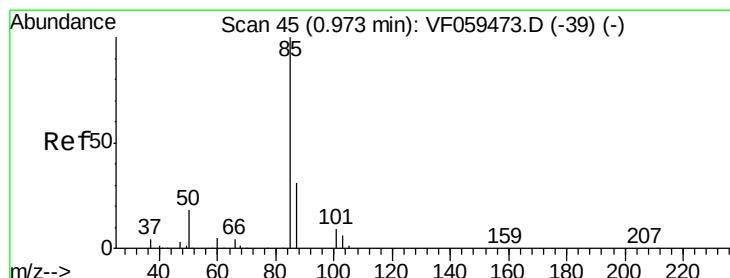
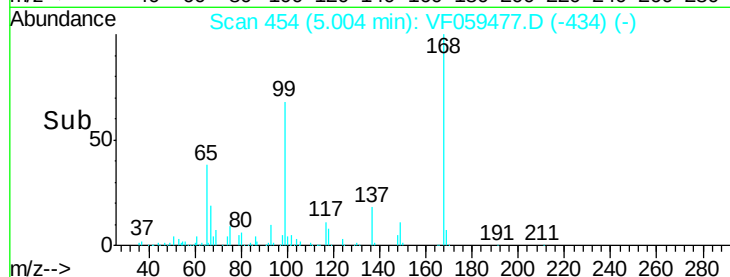
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 43.69 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059477.D

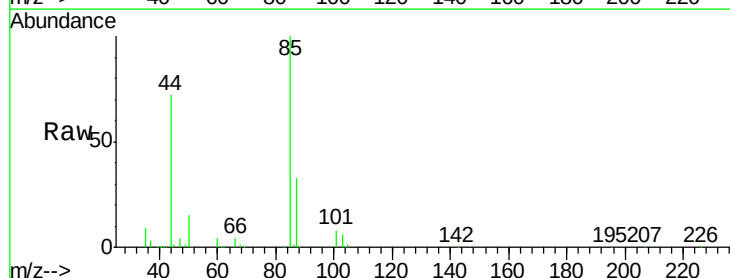
Acq: 7 Jul 2018 5:44

Tgt Ion: 85 Resp: 174597

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

30000

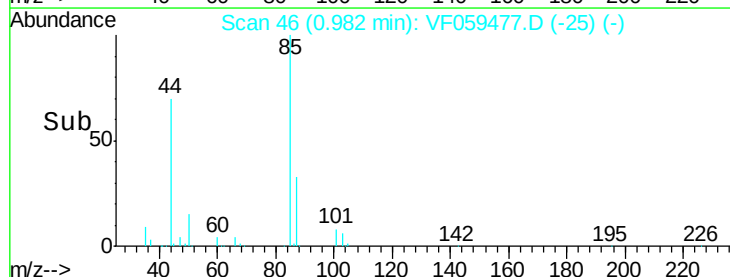
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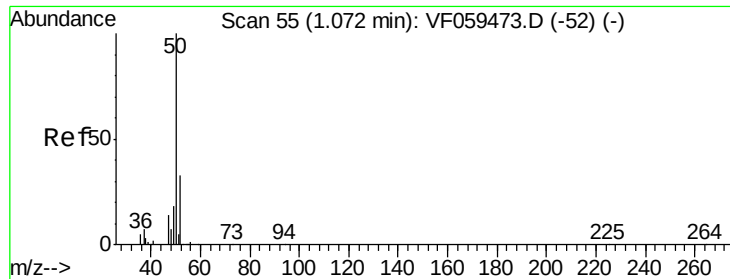
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 49.35 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 50 Resp: 97275

Ion Ratio Lower Upper

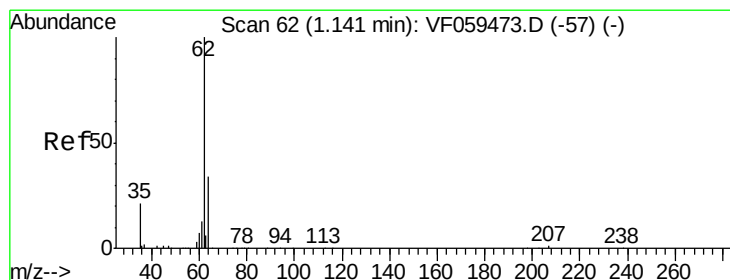
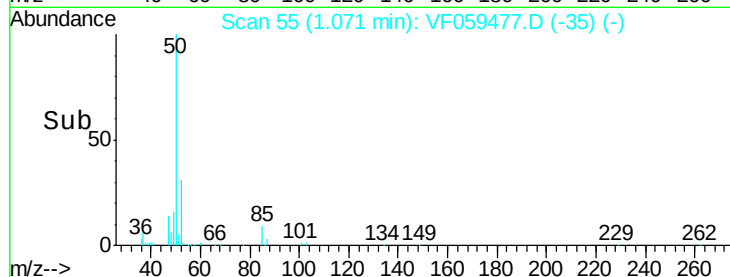
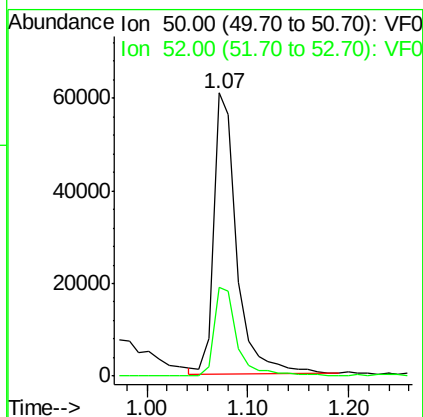
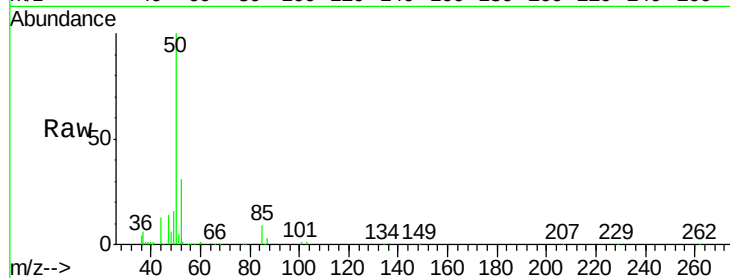
50 100

52 31.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 51.16 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059477.D

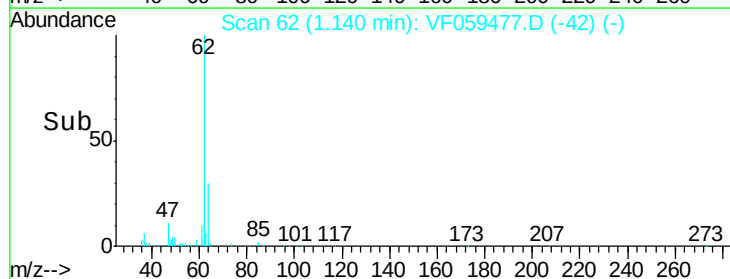
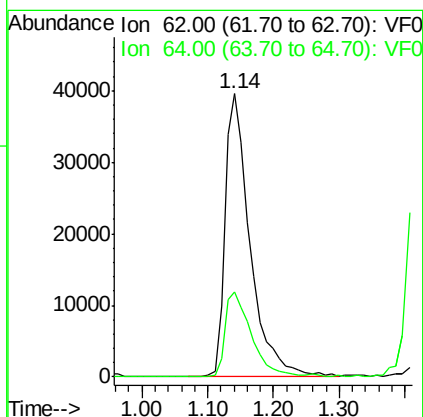
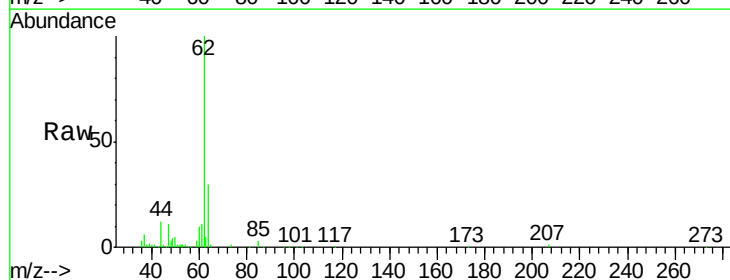
Acq: 7 Jul 2018 5:44

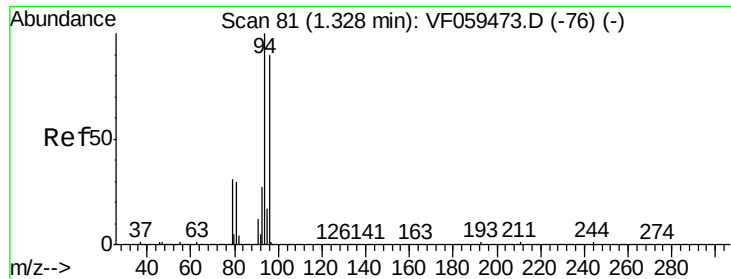
Tgt Ion: 62 Resp: 105320

Ion Ratio Lower Upper

62 100

64 30.0 27.3 40.9





#5

Bromomethane

Concen: 46.77 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 94 Resp: 73866

Ion Ratio Lower Upper

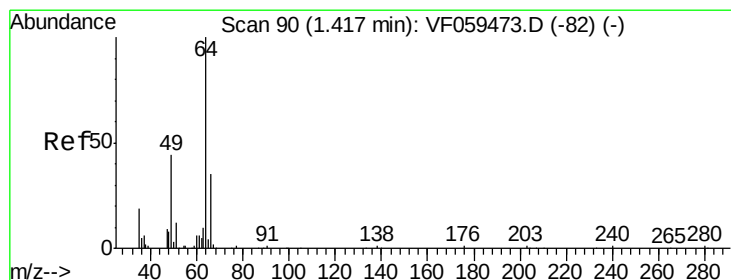
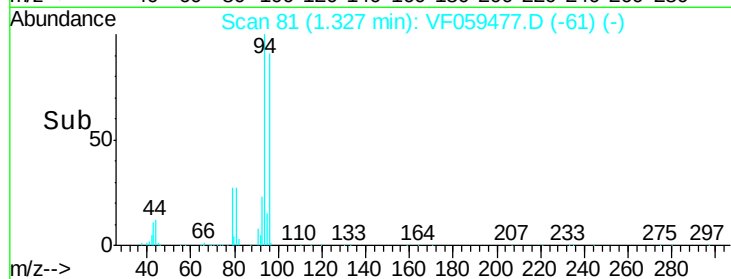
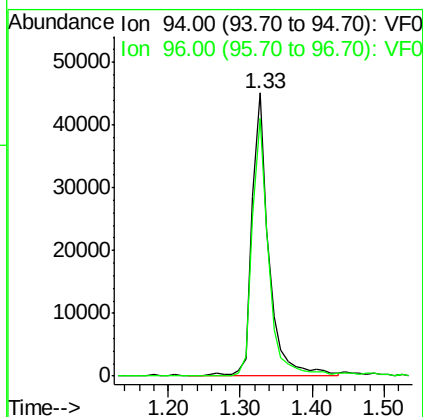
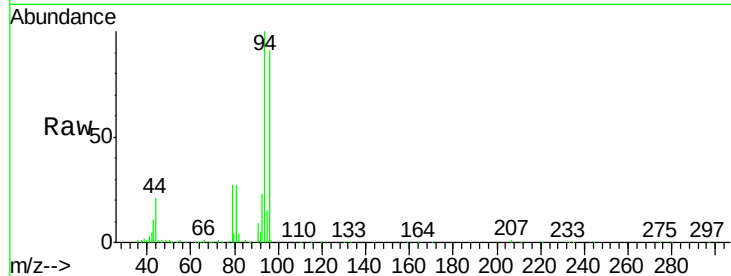
94 100

96 91.1 72.0 108.0

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#6

Chloroethane

Concen: 48.53 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059477.D

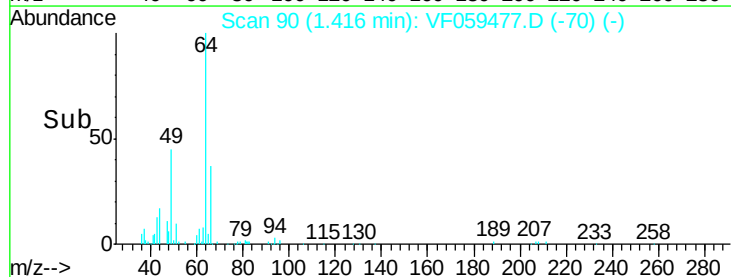
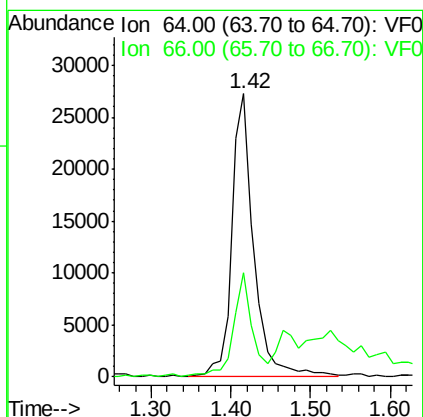
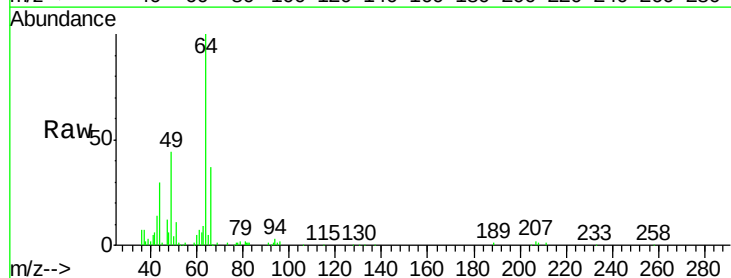
Acq: 7 Jul 2018 5:44

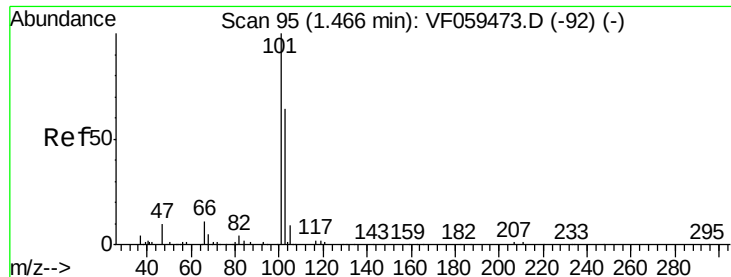
Tgt Ion: 64 Resp: 52673

Ion Ratio Lower Upper

64 100

66 37.1 28.1 42.1





#7

Trichlorofluoromethane

Concen: 47.12 ug/l m

RT: 1.48 min Scan# 96

Delta R.T. 0.01 min

Lab File: VF059477.D

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ClientSampleId :

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Tot Ion:101 Resp: 205950

Ion Ratio Lower Upper

101 100

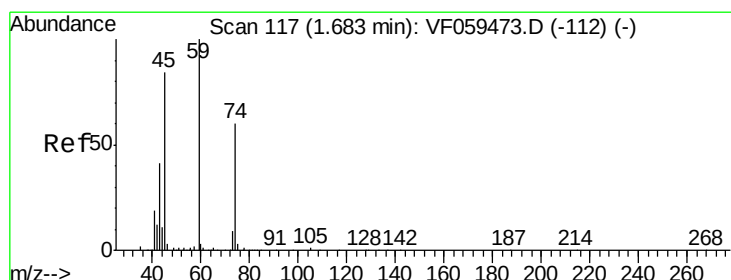
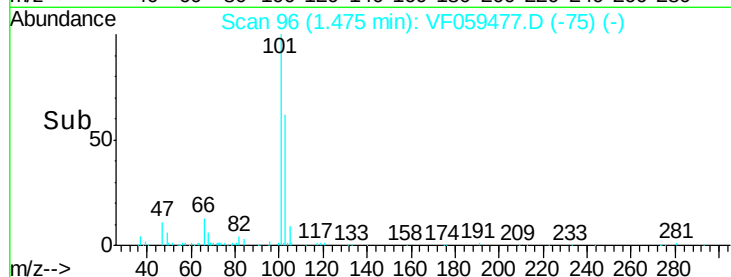
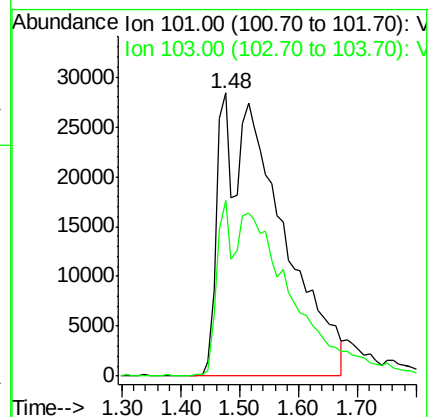
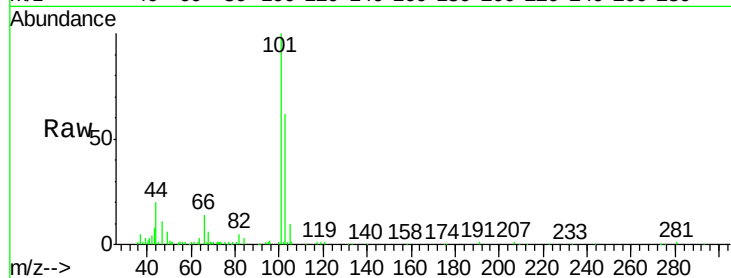
103 62.3 51.2 76.8

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#8

Diethyl Ether

Concen: 51.54 ug/l

RT: 1.68 min Scan# 117

Delta R.T. -0.00 min

Lab File: VF059477.D

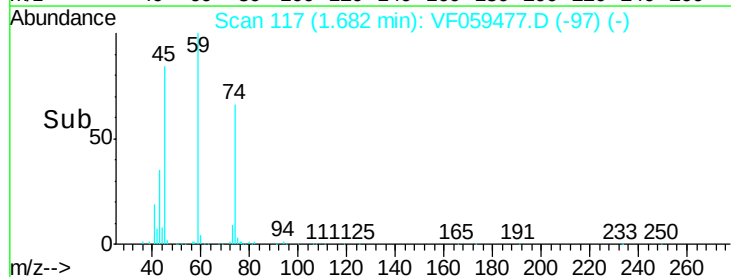
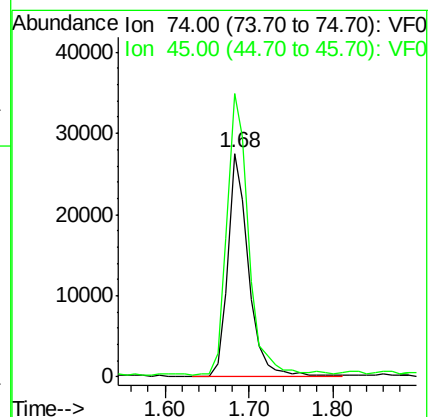
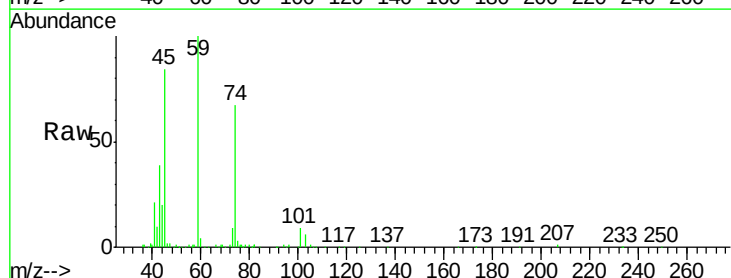
Acq: 7 Jul 2018 5:44

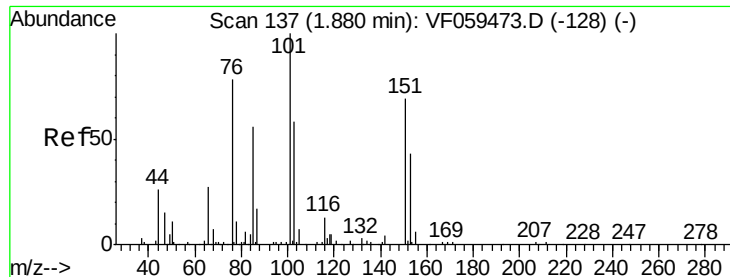
Tgt Ion: 74 Resp: 47235

Ion Ratio Lower Upper

74 100

45 126.5 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.12 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

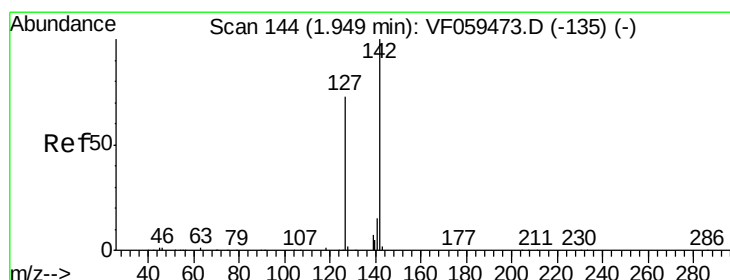
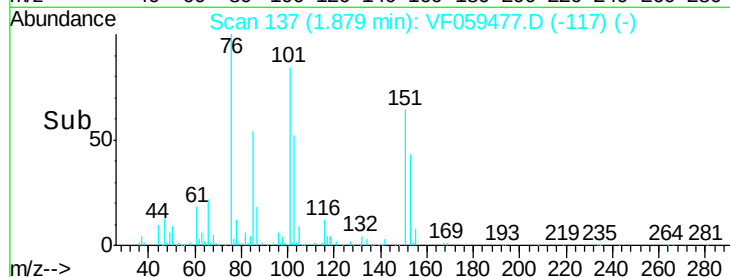
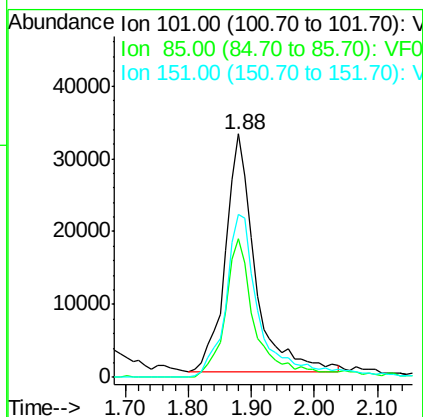
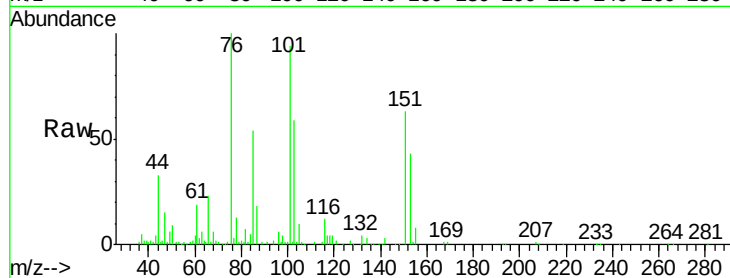
ClientSampleId :

ICVVF070718

Tot Ion:	101	Resp:	106863
Ion Ratio	Lower	Upper	
101	100		
85	57.1	43.8	65.8
151	67.2	54.2	81.4

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#10

Methyl Iodide

Concen: 47.94 ug/l

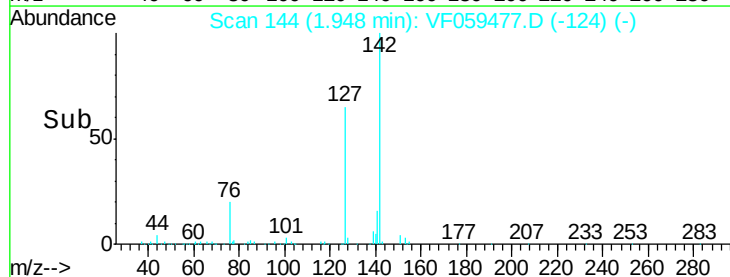
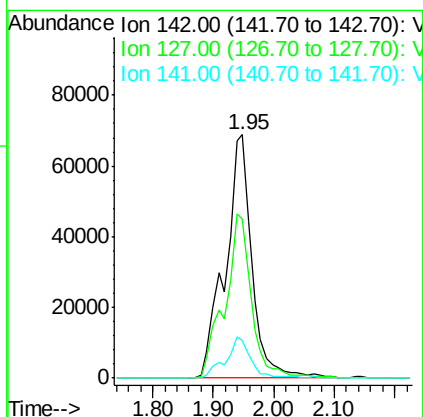
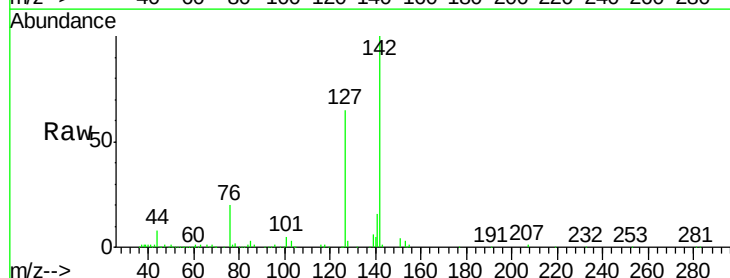
RT: 1.95 min Scan# 144

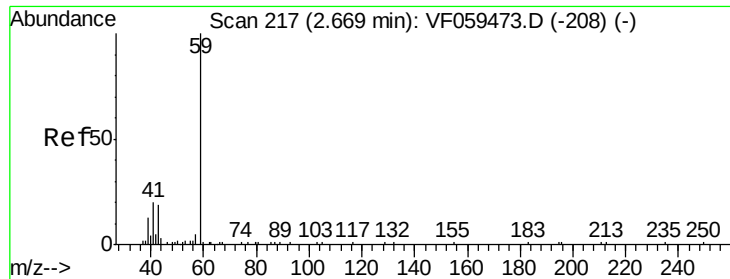
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	142	Resp:	211392
Ion Ratio	Lower	Upper	
142	100		
127	65.2	58.2	87.2
141	15.6	11.7	17.5





#11

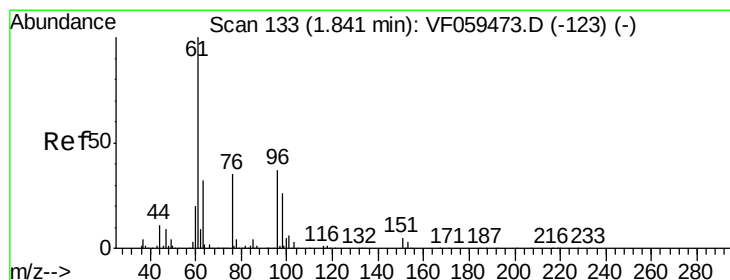
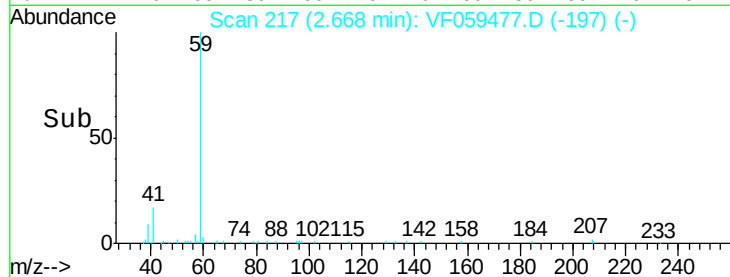
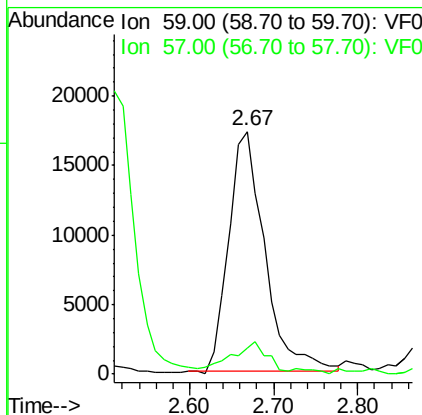
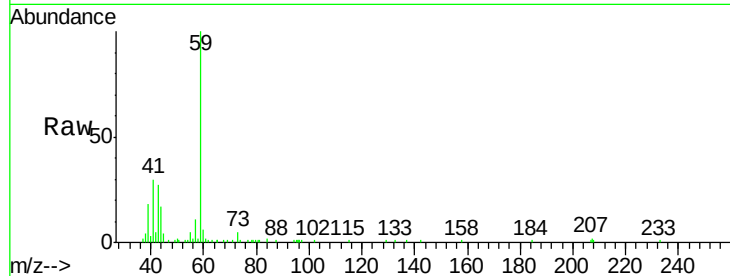
Tert butyl alcohol
Concen: 228.51 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	59	Resp	51369
Ion Ratio	100	Lower	Upper
57	10.7	7.8	11.8

Manual Integrations
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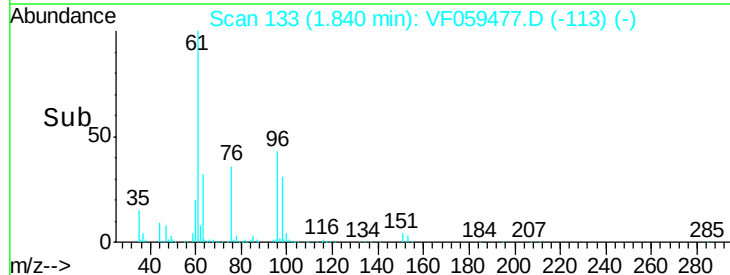
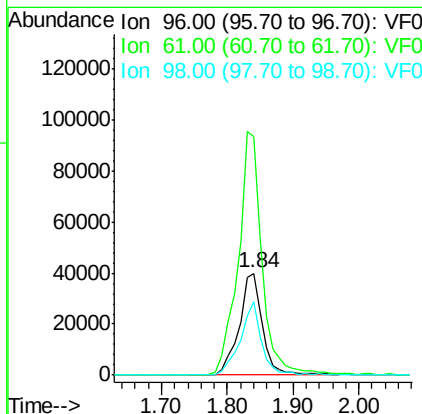
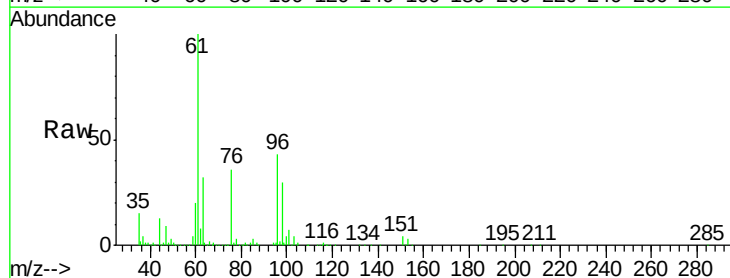
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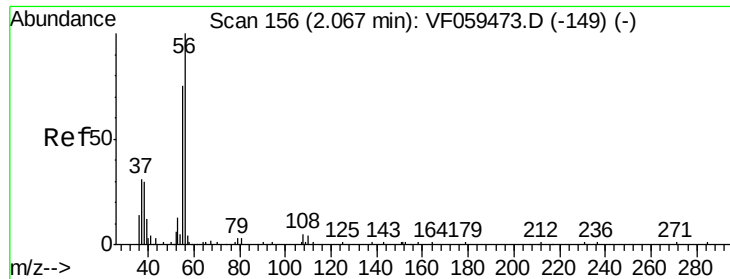


#12

1,1-Dichloroethene
Concen: 46.97 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	96	Resp	100714
Ion Ratio	100	Lower	Upper
61	234.1	214.4	321.6
98	71.4	55.6	83.4





#13

Acrolein

Concen: 197.75 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 56 Resp: 34446

Ion Ratio Lower Upper

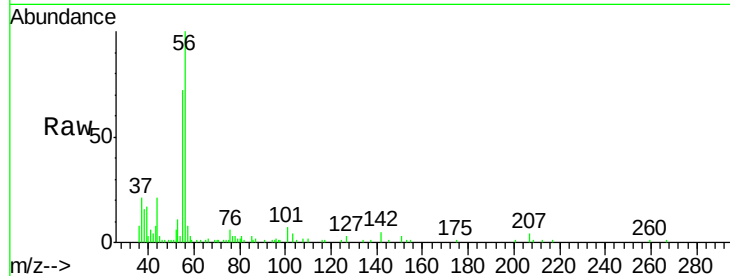
56 100

55 72.2 61.2 91.8

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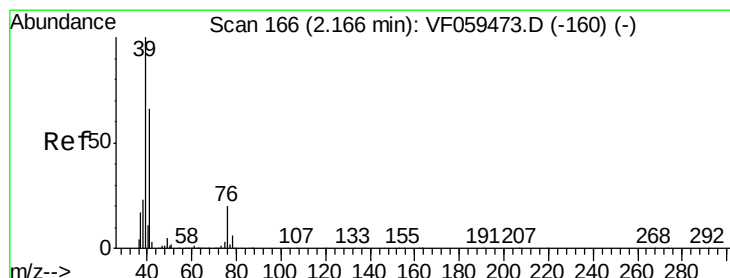
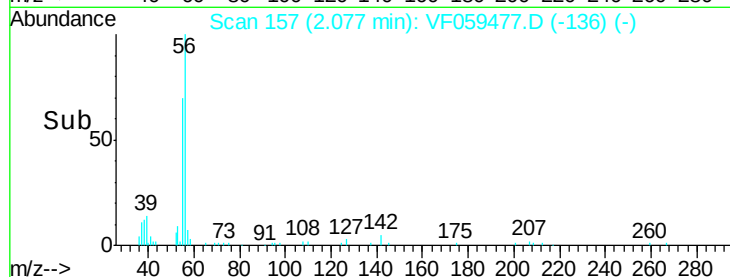
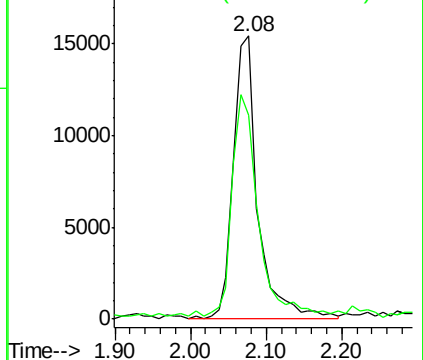
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 49.43 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

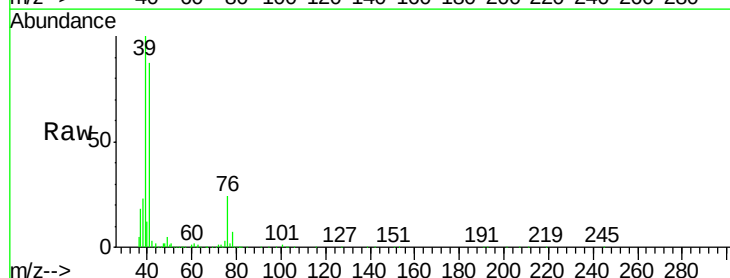
Tgt Ion: 41 Resp: 184044

Ion Ratio Lower Upper

41 100

39 115.6 120.7 181.1#

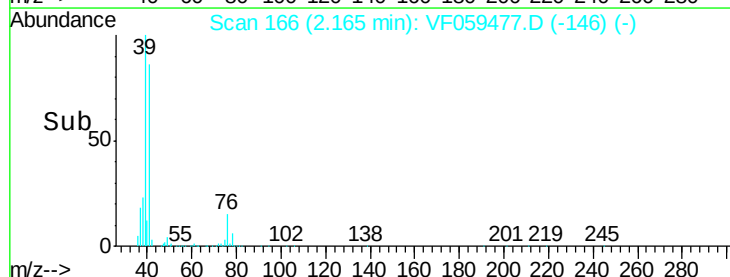
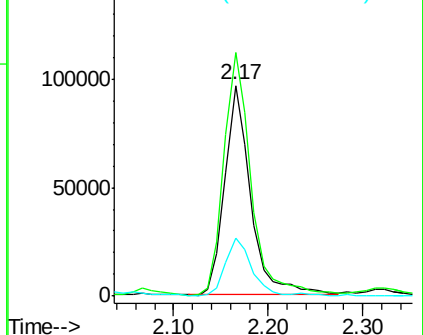
76 27.4 24.0 36.0

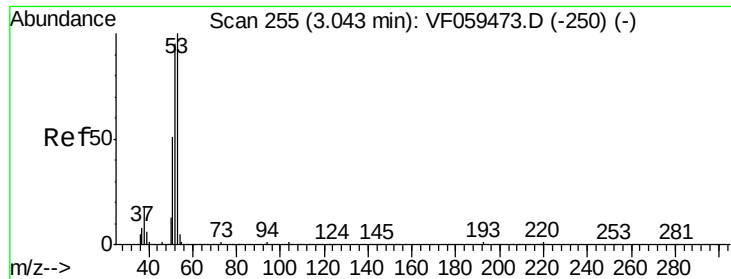


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 267.71 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

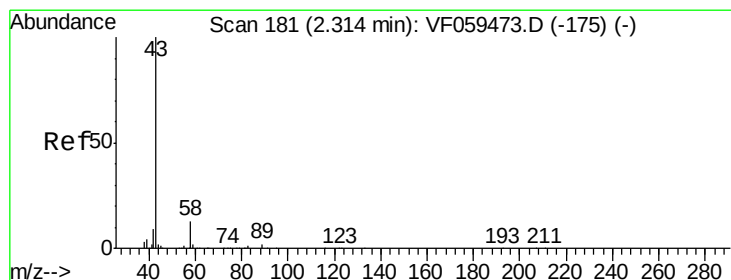
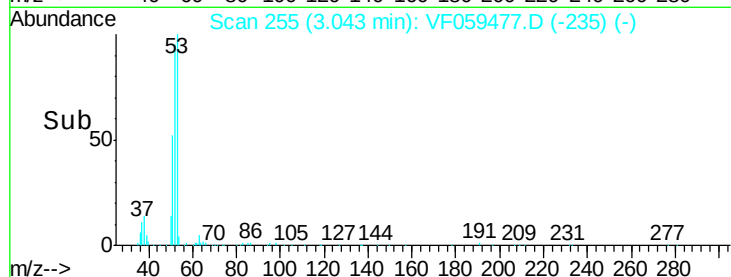
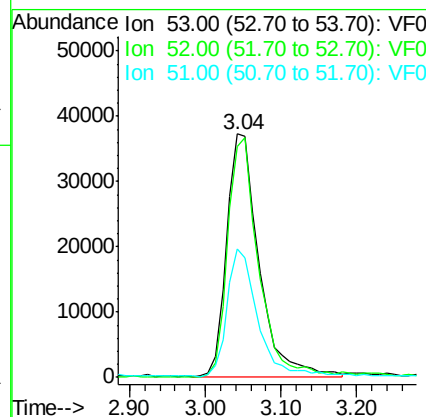
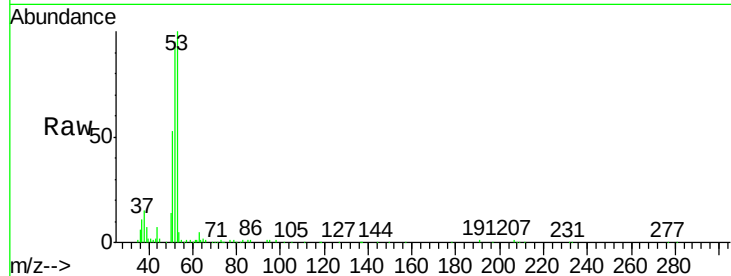
ClientSampleId :

ICVVF070718

Tot Ion:	53	Resp:	109890
Ion	Ratio	Lower	Upper
53	100		
52	94.6	76.8	115.2
51	52.9	41.8	62.8

Manual Integrations
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#16

Acetone

Concen: 220.18 ug/l

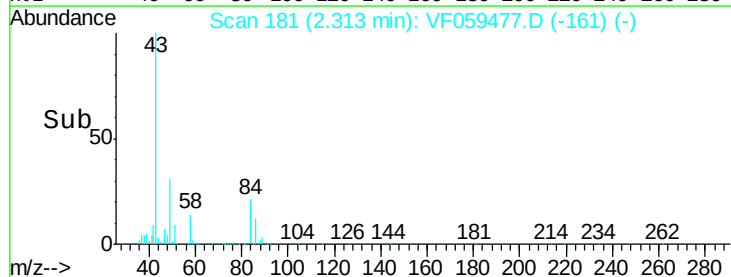
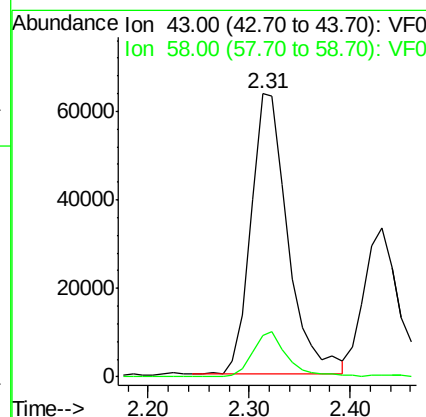
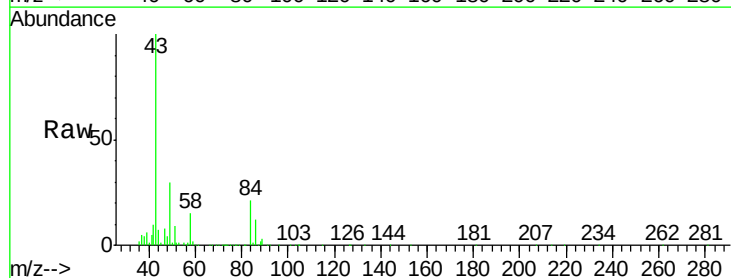
RT: 2.31 min Scan# 181

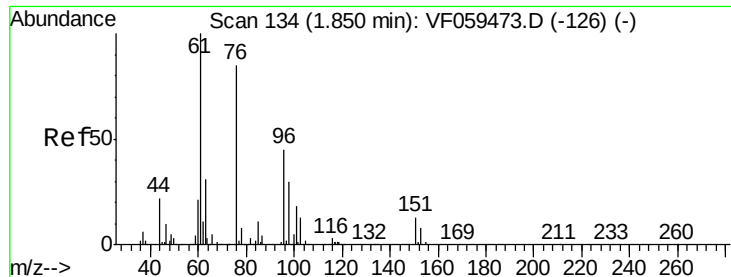
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	43	Resp:	162516
Ion	Ratio	Lower	Upper
43	100		
58	14.9	10.5	15.7





#17

Carbon Disulfide

Concen: 49.82 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF059477.D

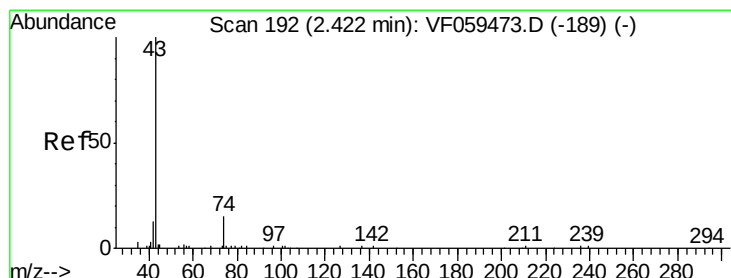
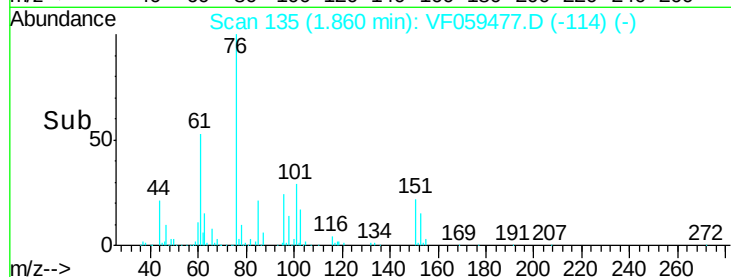
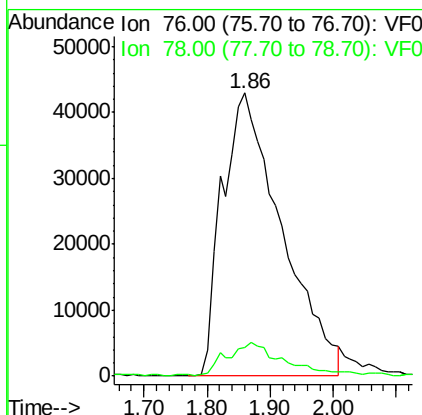
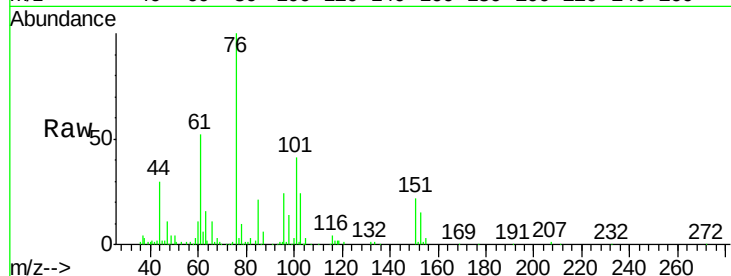
Acq: 7 Jul 2018 5:44

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	8.0	12.0

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

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#18

Methyl Acetate

Concen: 42.97 ug/l

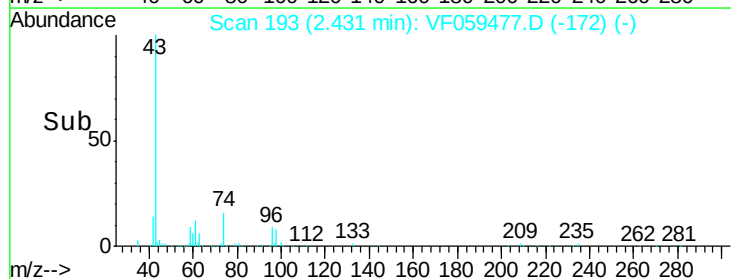
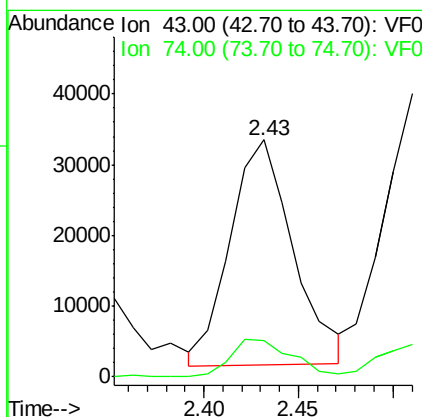
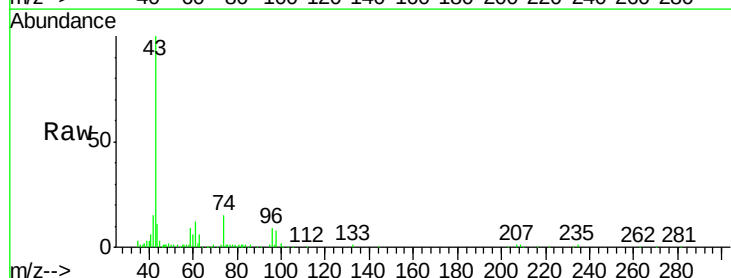
RT: 2.43 min Scan# 193

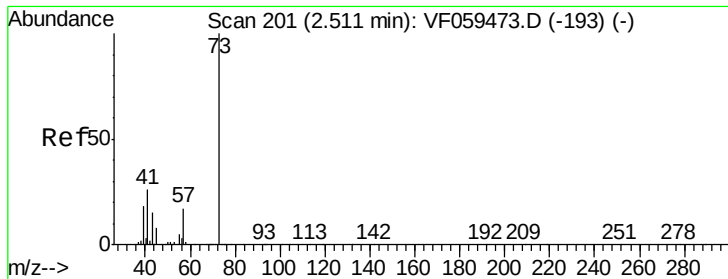
Delta R.T. 0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.5	10.8	16.2





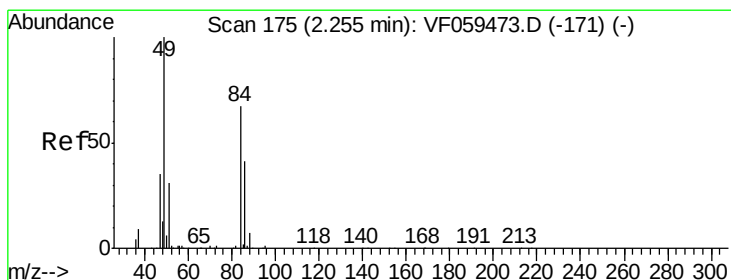
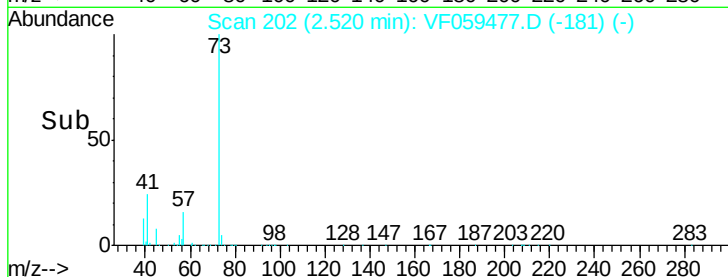
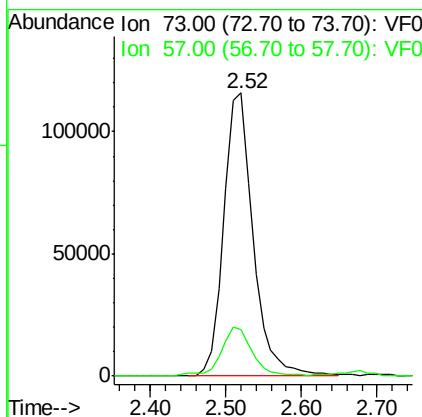
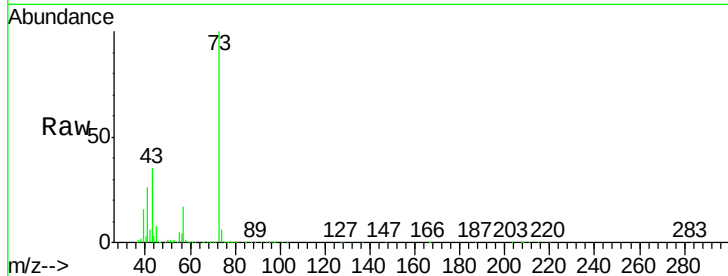
#19
Methyl tert-butyl Ether
Concen: 44.65 ug/l
RT: 2.52 min Scan# 202
Delta R.T. 0.01 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	13.7	20.5

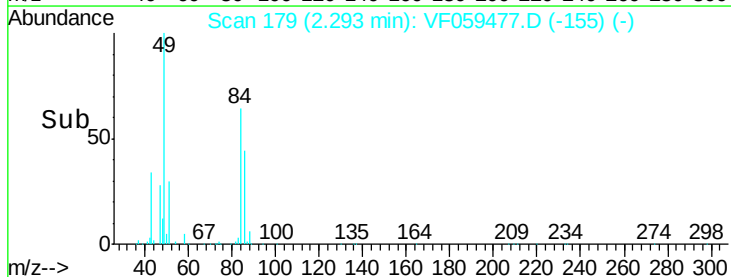
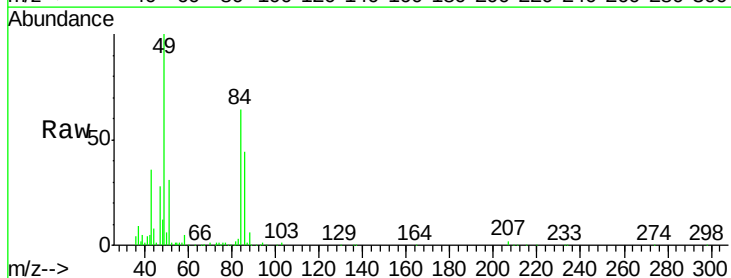
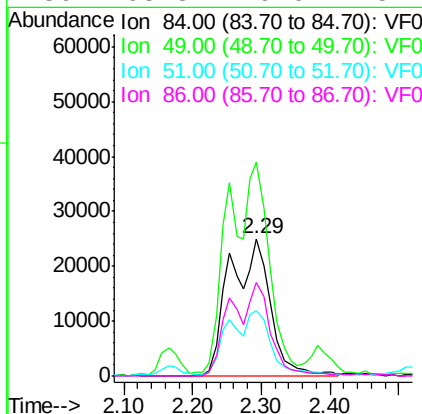
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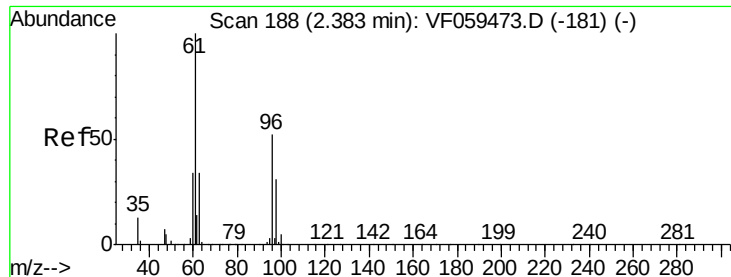
apatel
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#20
Methylene Chloride
Concen: 48.78 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. 0.04 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.6	120.4	180.6
51	47.5	38.1	57.1
86	68.3	49.0	73.4





#21

trans-1,2-Dichloroethene

Concen: 46.44 ug/l

RT: 2.39 min Scan# 189

Delta R.T. 0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

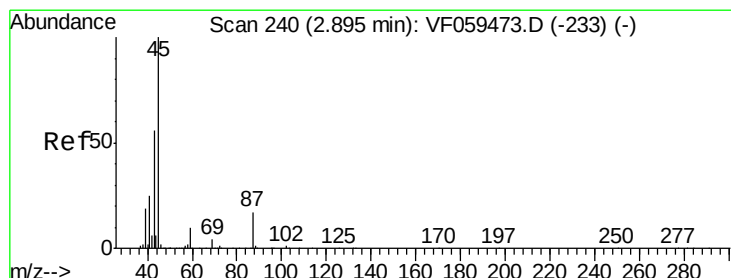
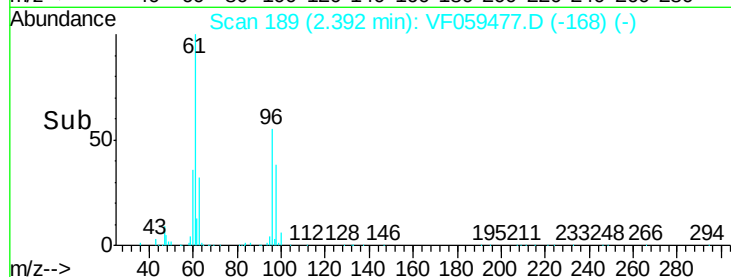
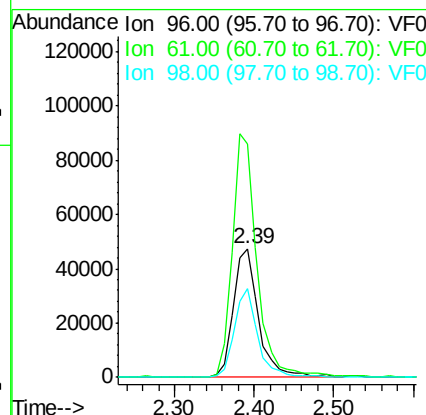
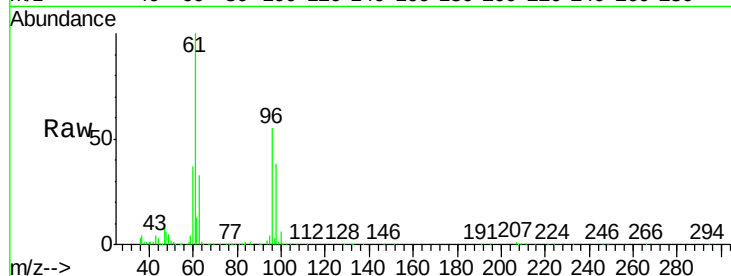
ClientSampleId :

ICVVF070718

Tot Ion:	96	Resp:	105962
Ion	Ratio	Lower	Upper
96	100		
61	180.8	154.3	231.5
98	68.8	48.2	72.4

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#22

Diisopropyl ether

Concen: 49.59 ug/l

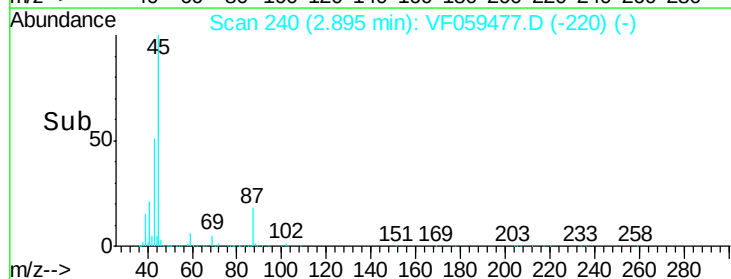
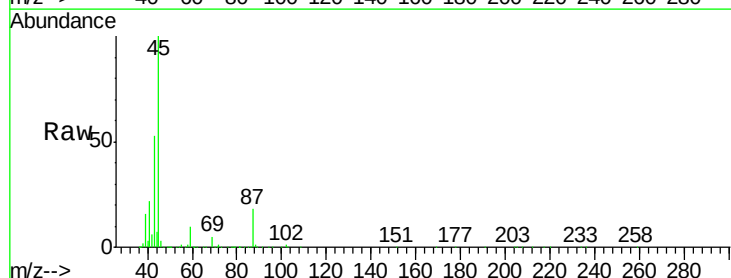
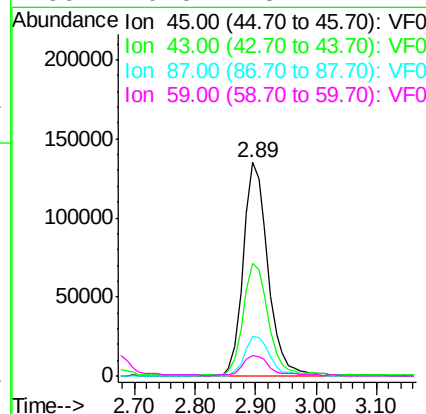
RT: 2.89 min Scan# 240

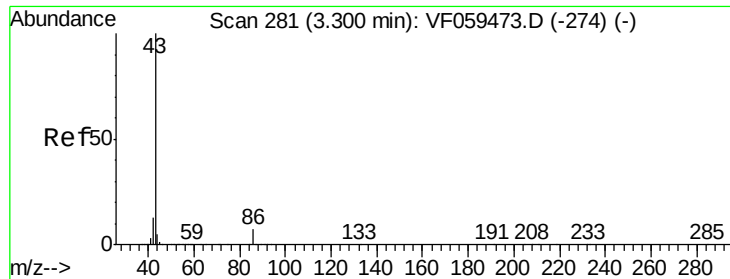
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	45	Resp:	382490
Ion	Ratio	Lower	Upper
45	100		
43	52.6	45.4	68.2
87	18.4	13.5	20.3
59	9.8	8.2	12.4





#23

Vinyl Acetate

Concen: 255.49 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 43 Resp: 1144050

Ion Ratio Lower Upper

43 100

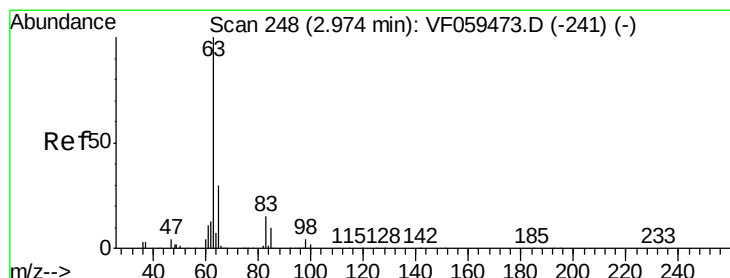
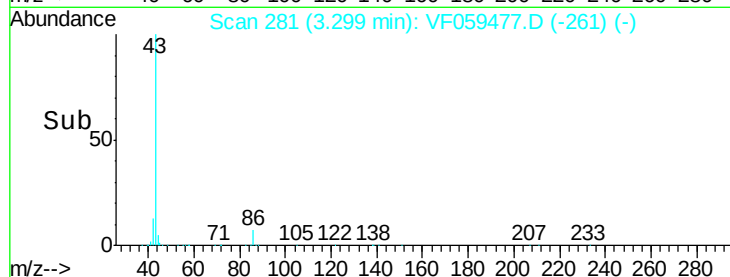
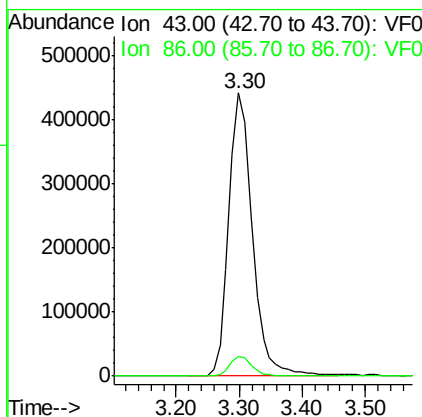
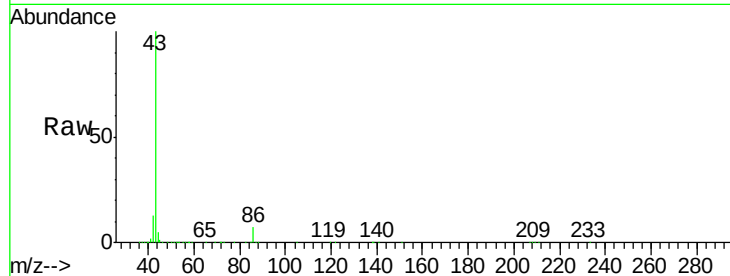
86 7.0 5.3 7.9

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#24

1,1-Dichloroethane

Concen: 47.06 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

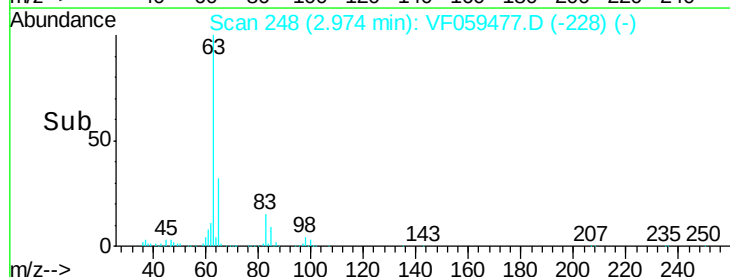
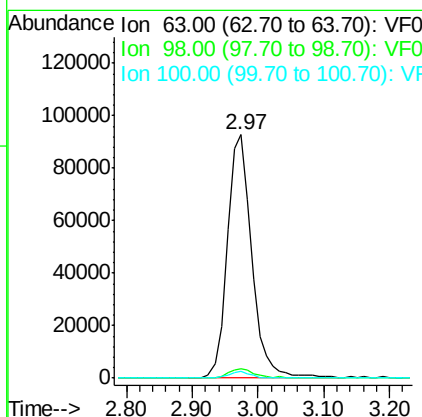
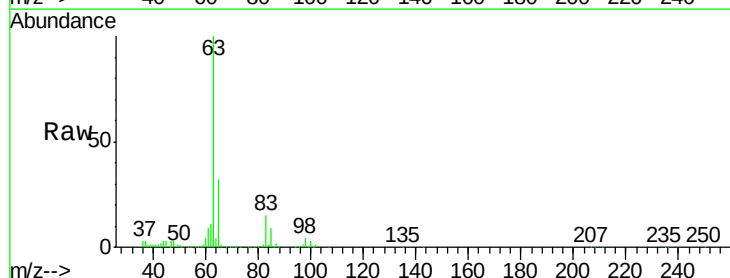
Tgt Ion: 63 Resp: 242705

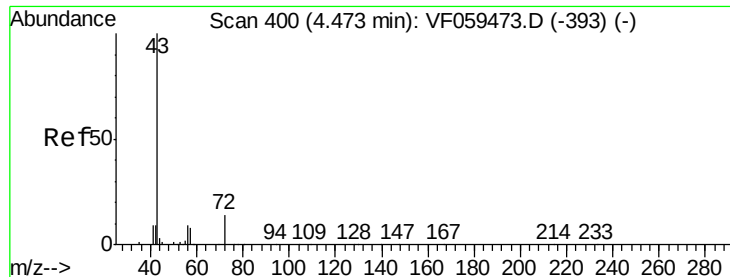
Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.5

100 2.8 1.1 3.3





#25

2-Butanone

Concen: 260.03 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 43 Resp: 261512

Ion Ratio Lower Upper

43 100

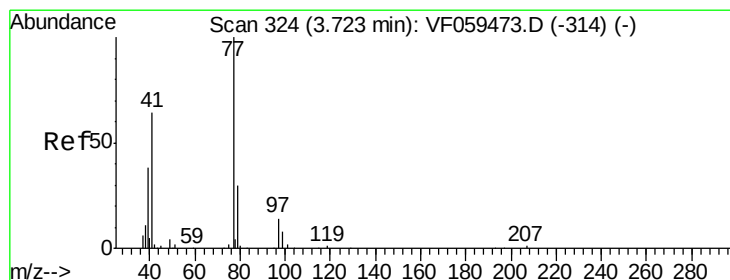
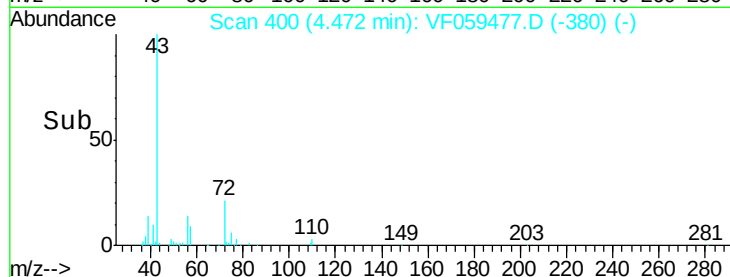
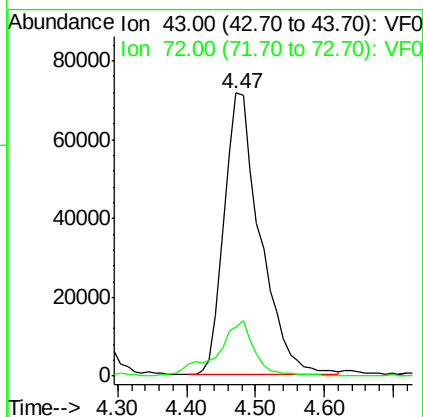
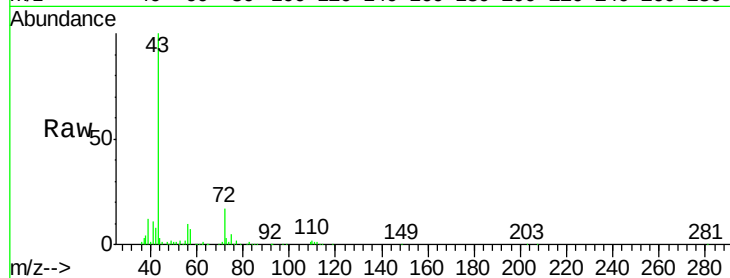
72 17.5 13.8 20.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.69 ug/l

RT: 3.72 min Scan# 324

Delta R.T. -0.00 min

Lab File: VF059477.D

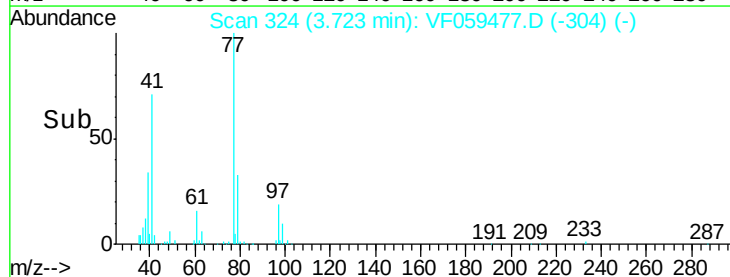
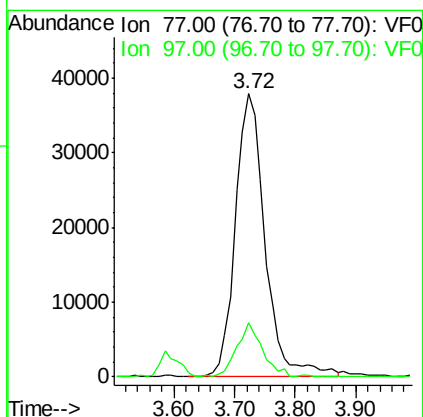
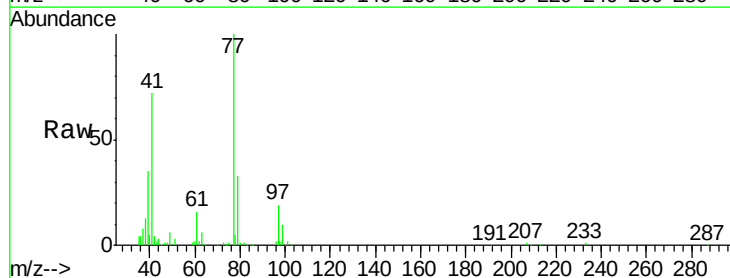
Acq: 7 Jul 2018 5:44

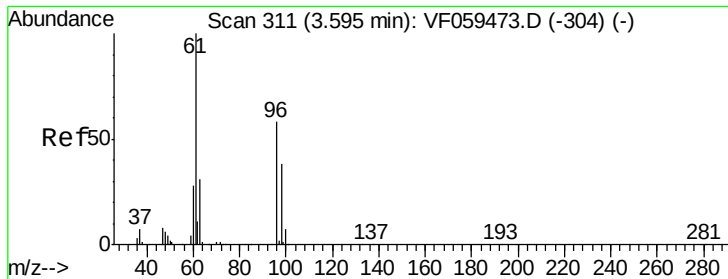
Tgt Ion: 77 Resp: 129887

Ion Ratio Lower Upper

77 100

97 19.2 7.7 23.1





#27

cis-1,2-Dichloroethene

Concen: 62.92 ug/l

RT: 3.58 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

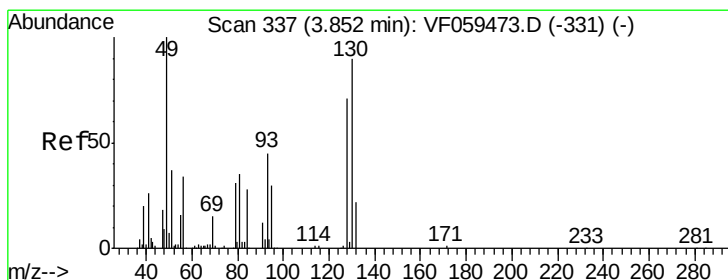
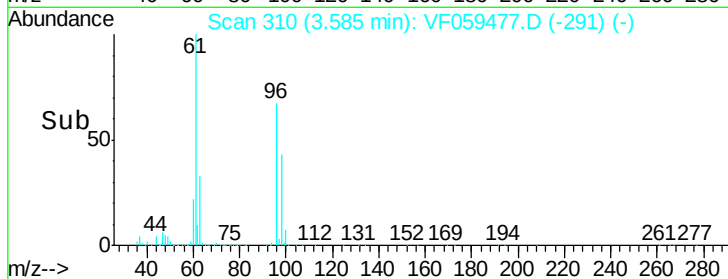
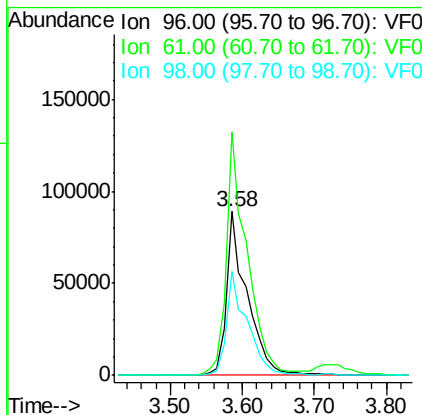
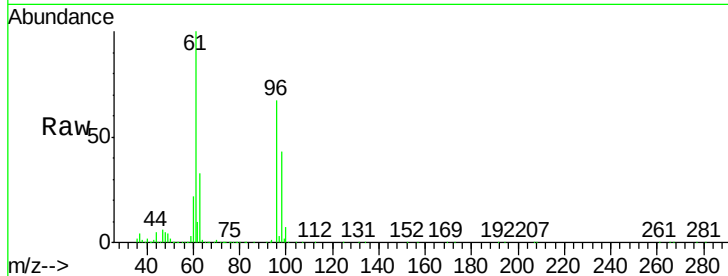
ClientSampleId :

ICVVF070718

Tot Ion:	96	Resp:	176444
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	342.0
98	63.8	0.0	130.0

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#28

Bromochloromethane

Concen: 49.92 ug/l

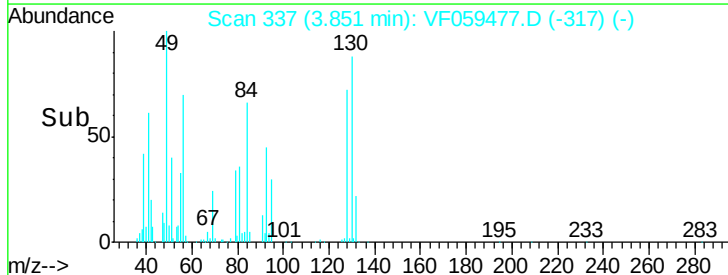
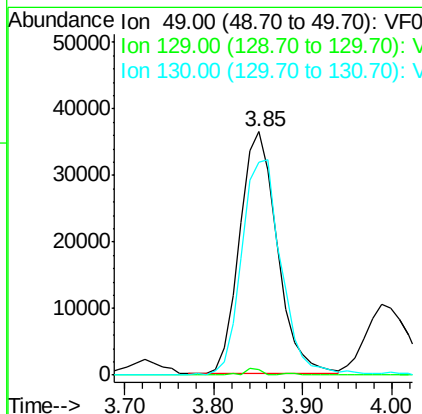
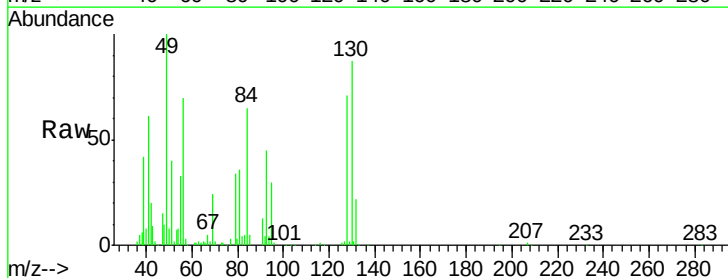
RT: 3.85 min Scan# 337

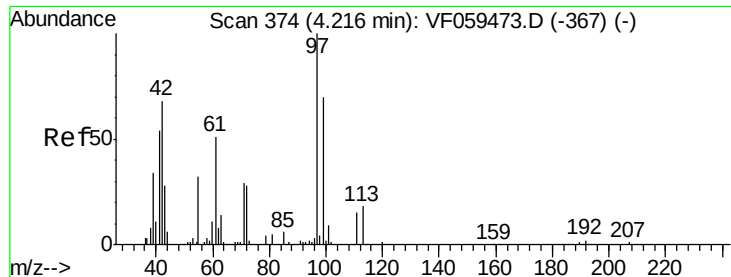
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	49	Resp:	106860
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	6.2
130	87.4	71.4	107.0





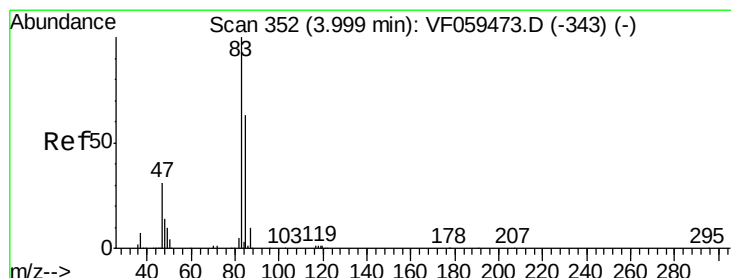
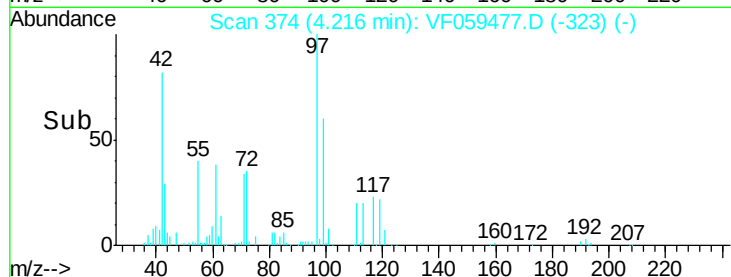
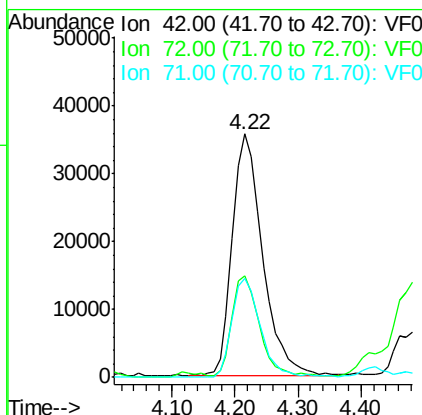
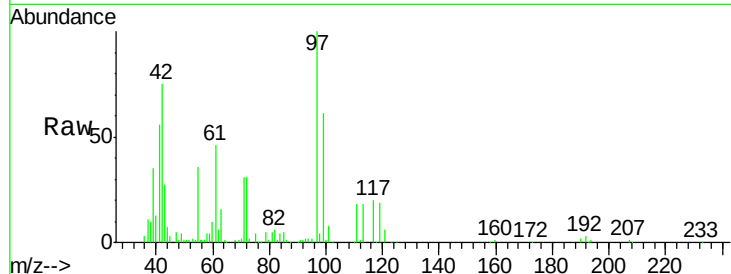
#29
Tetrahydrofuran
Concen: 249.35 ug/l
RT: 4.22 min Scan# 374
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	38.7	29.2	43.8	
71	39.1	30.1	45.1	

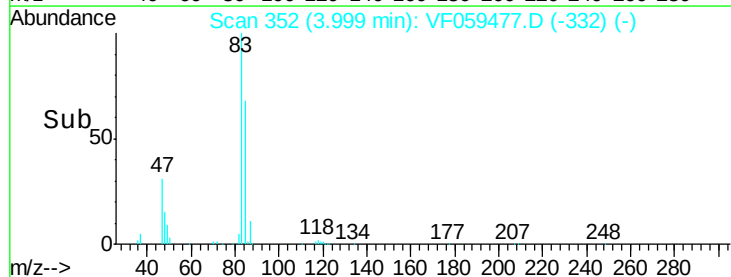
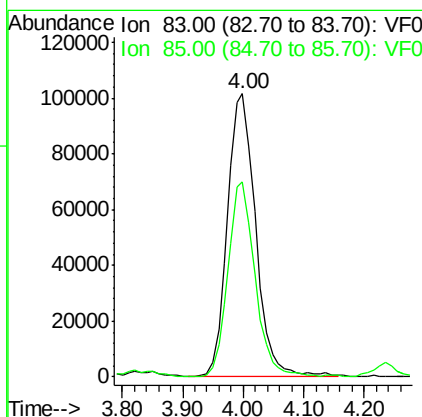
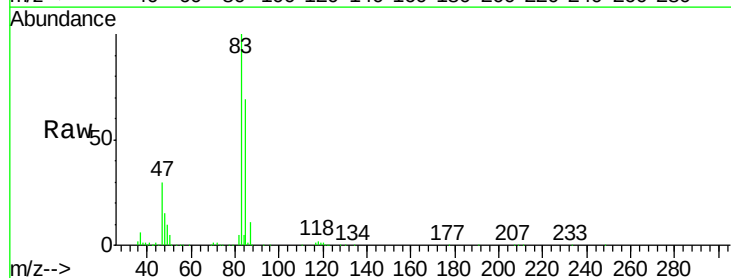
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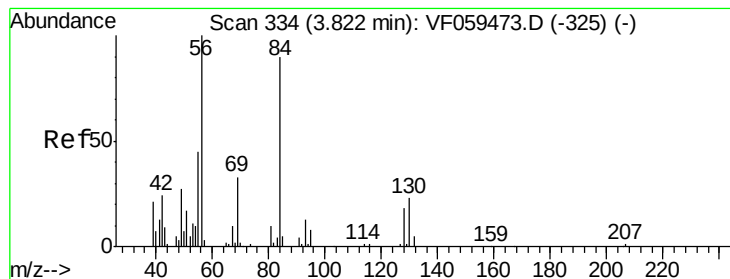
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#30
Chloroform
Concen: 45.12 ug/l
RT: 4.00 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	68.7	50.3	75.5	





#31

Cyclohexane

Concen: 54.70 ug/l

RT: 3.83 min Scan# 335

Delta R.T. 0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

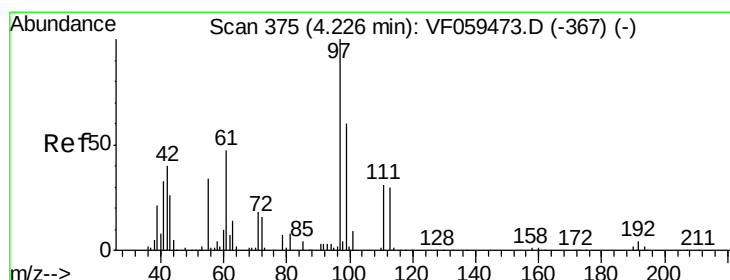
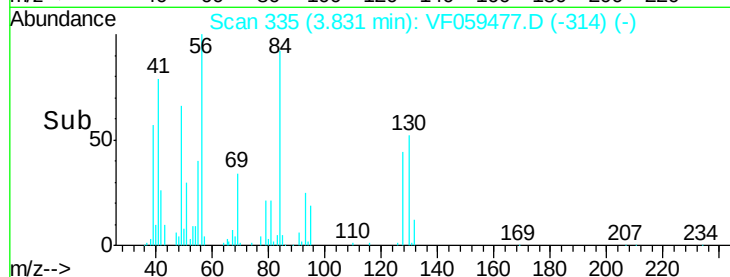
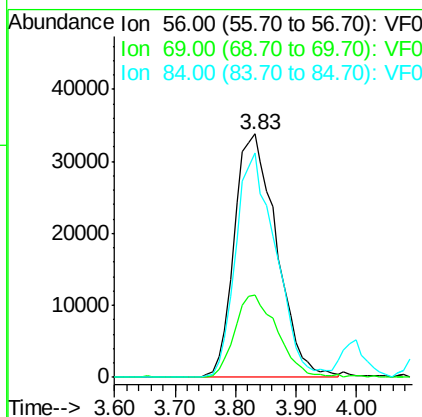
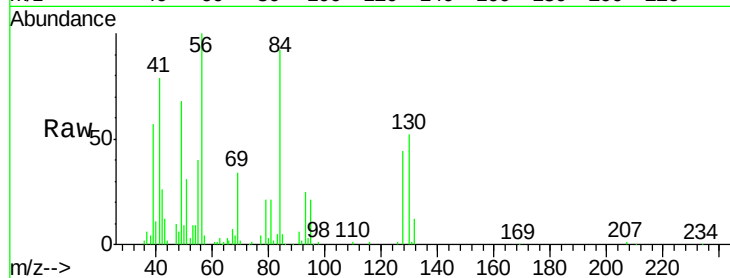
ClientSampleId :

ICVVF070718

Tot Ion:	56	Resp:	163600
Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.2	39.2
84	92.3	72.3	108.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.63 ug/l

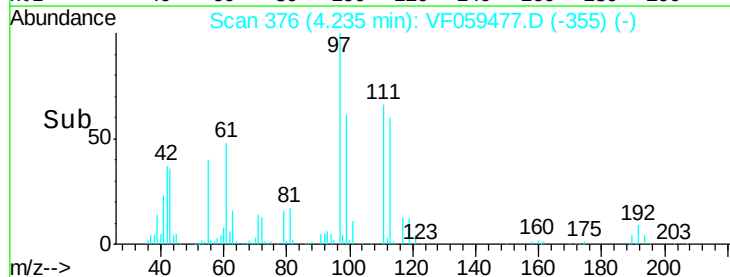
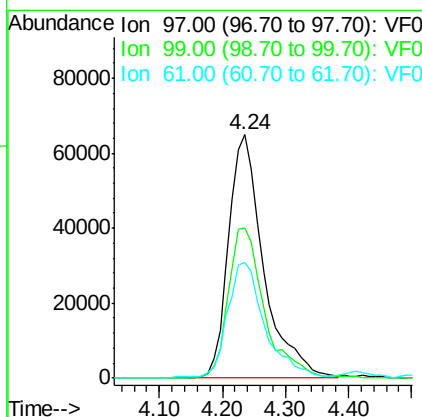
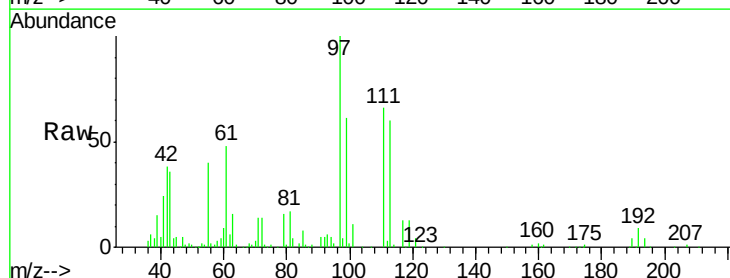
RT: 4.24 min Scan# 376

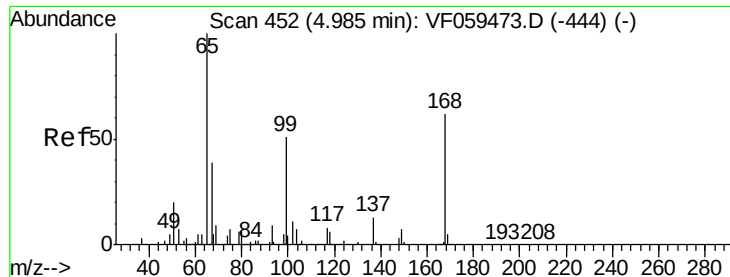
Delta R.T. 0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	97	Resp:	250469
Ion	Ratio	Lower	Upper
97	100		
99	61.4	47.8	71.6
61	47.5	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 45.71 ug/l

RT: 4.98 min Scan# 452

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 65 Resp: 225568

Ion Ratio Lower Upper

65 100

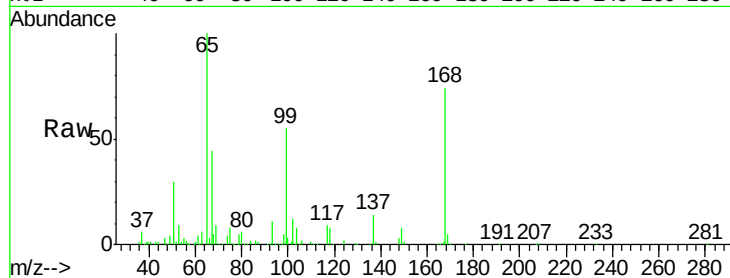
67 43.8 0.0 88.6

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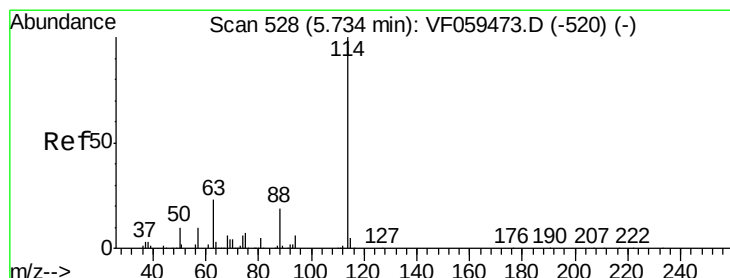
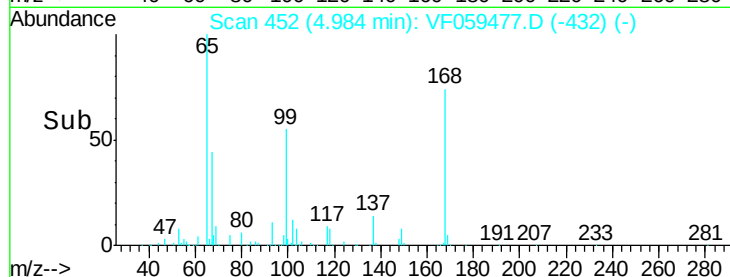
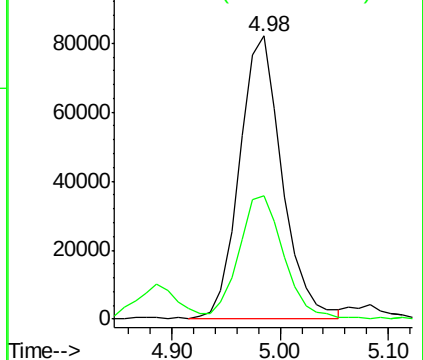
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.72 min Scan# 527

Delta R.T. -0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

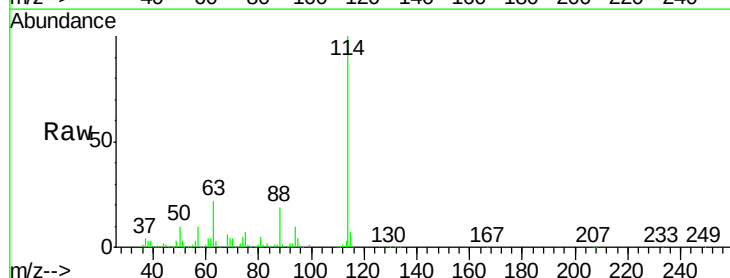
Tgt Ion: 114 Resp: 409004

Ion Ratio Lower Upper

114 100

63 21.8 0.0 47.2

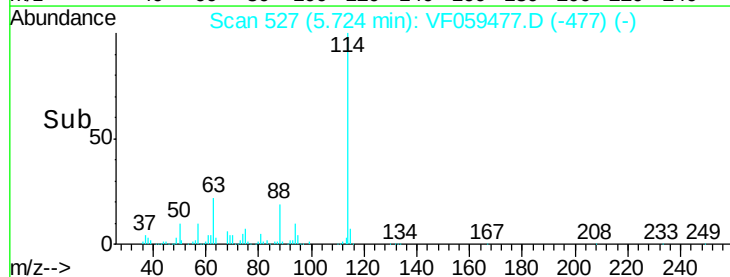
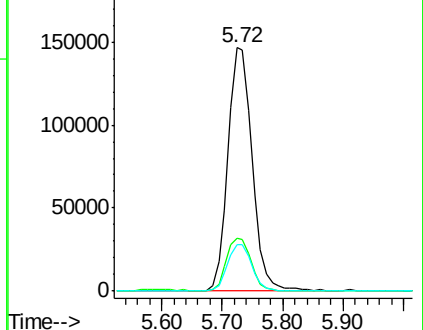
88 19.1 0.0 38.0

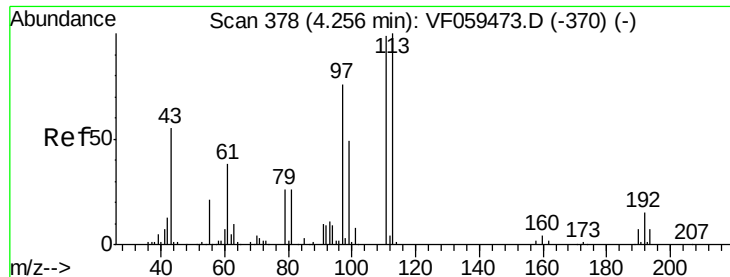


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.63 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

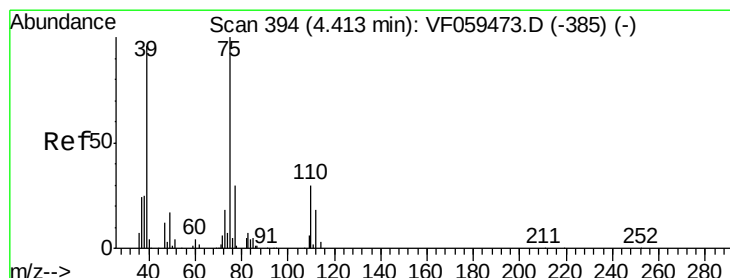
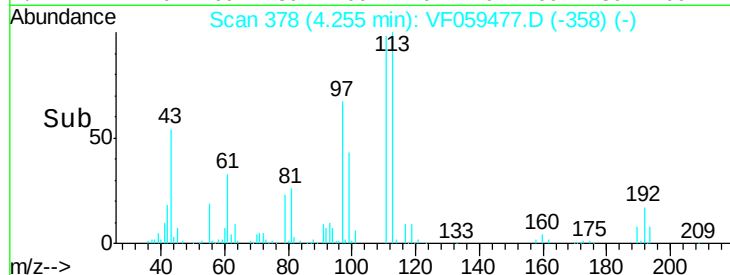
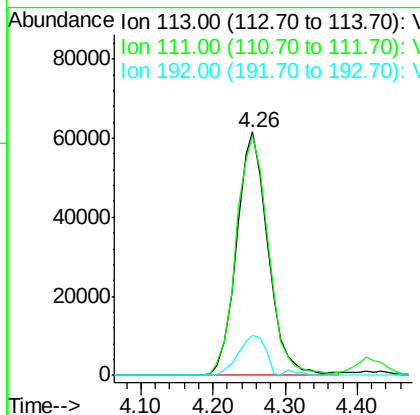
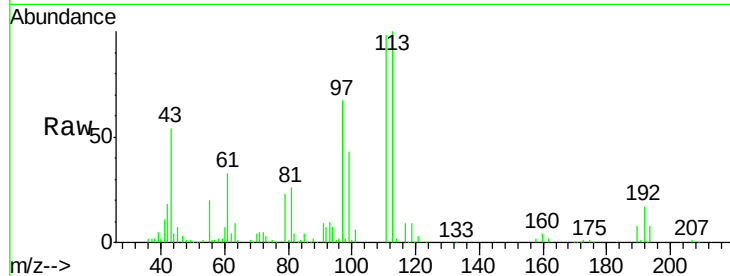
ClientSampleId :

ICVVF070718

Tot Ion:	113	Resp:	186932
Ion Ratio	Lower	Upper	
113	100		
111	98.4	79.3	118.9
192	16.7	12.0	18.0

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#36

1,1-Dichloropropene

Concen: 50.12 ug/l

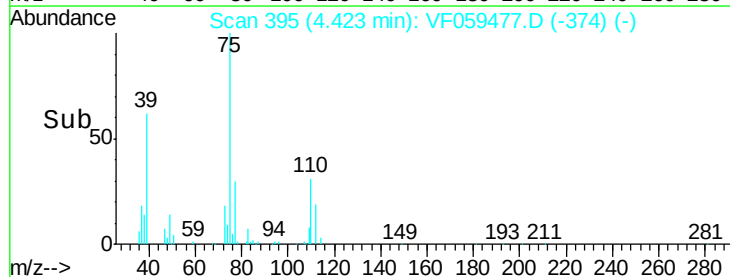
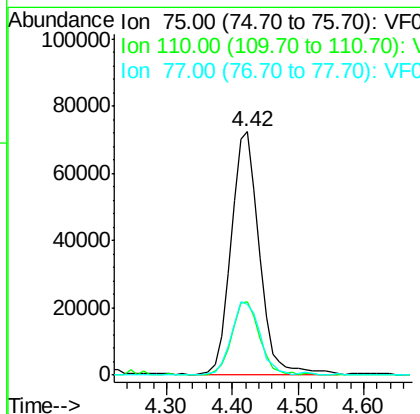
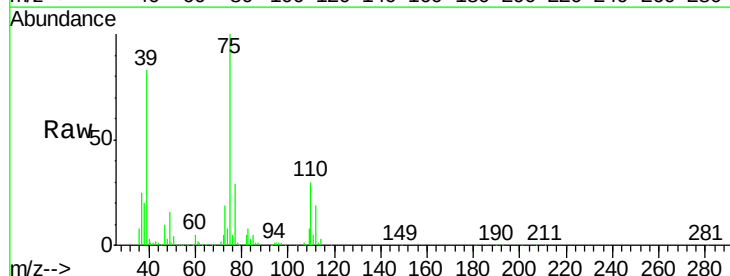
RT: 4.42 min Scan# 395

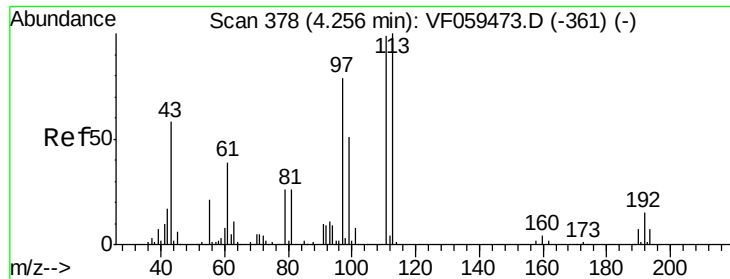
Delta R.T. 0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	75	Resp:	216514
Ion Ratio	Lower	Upper	
75	100		
110	29.9	15.2	45.5
77	29.0	24.2	36.2





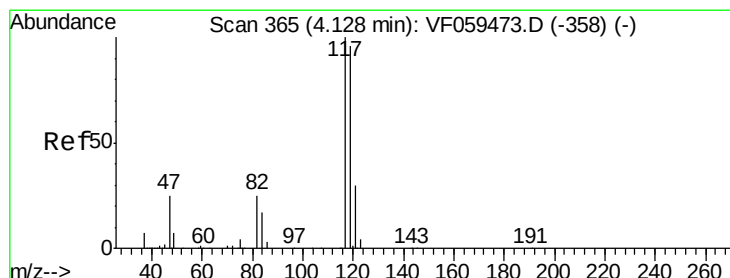
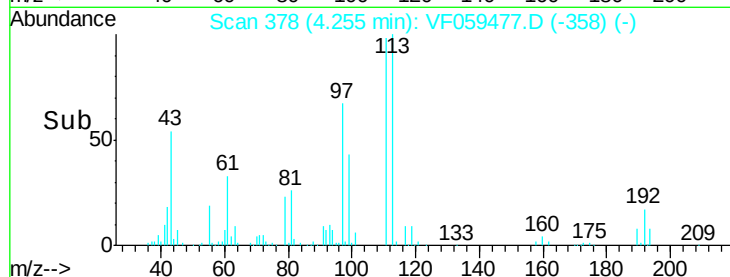
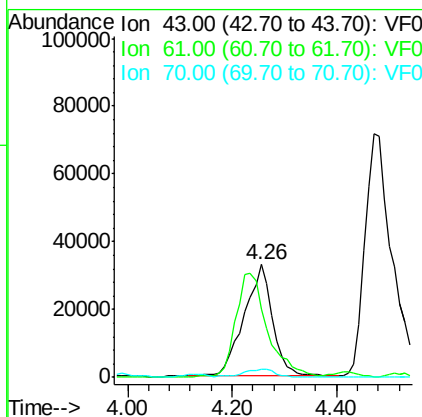
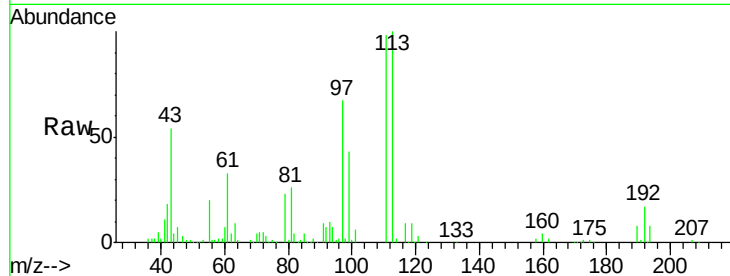
#37
Ethyl Acetate
Concen: 48.44 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	43	61	70	Ratio	Lower	Upper
122789	100	60.9	7.5			
		54.2	7.0			
			10.6			

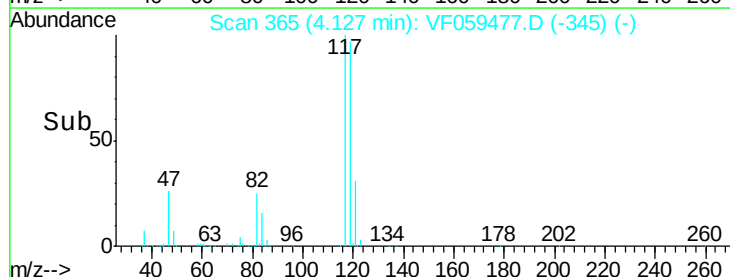
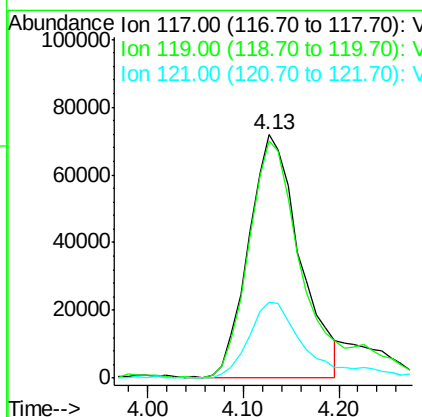
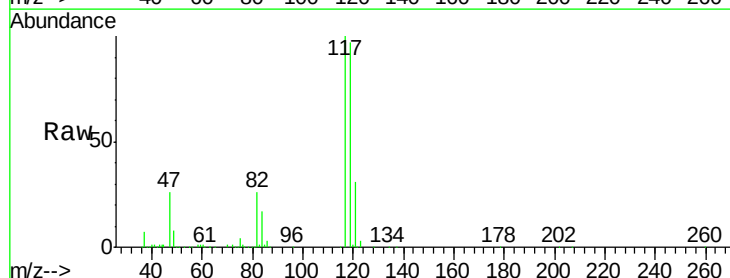
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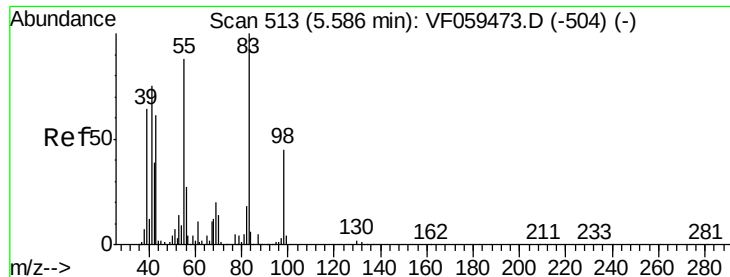
apatel
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#38
Carbon Tetrachloride
Concen: 43.41 ug/l m
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	117	119	121	Ratio	Lower	Upper
268028	100	97.5	30.9			
		76.5	23.6			
			35.4			





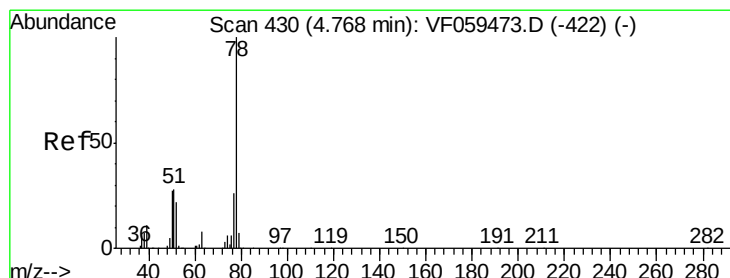
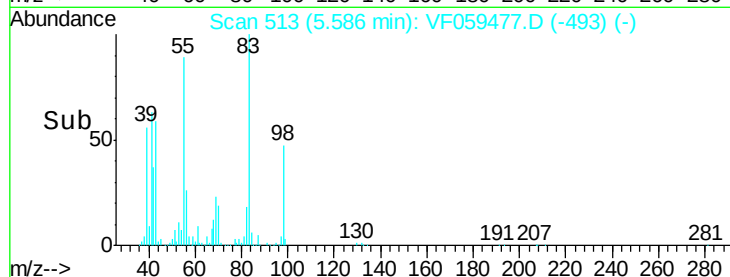
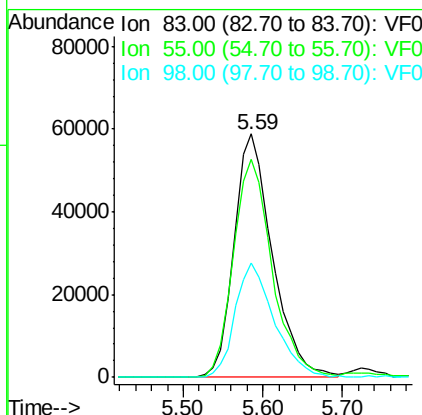
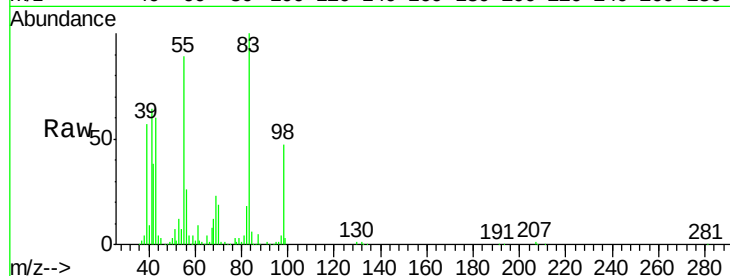
#39
Methylvlcyclohexane
Concen: 54.08 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	70.6	105.8
98	47.0	36.3	54.5

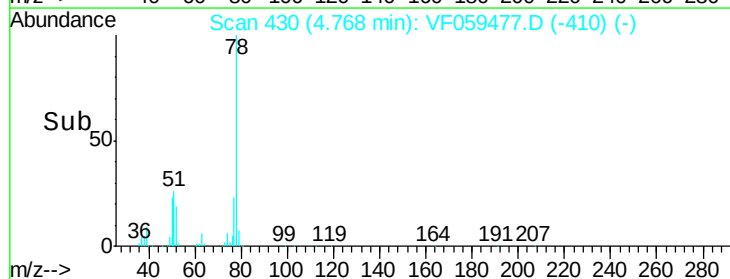
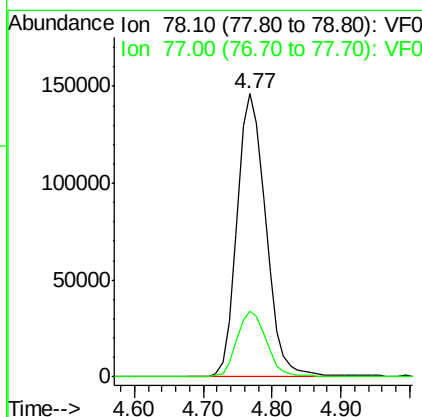
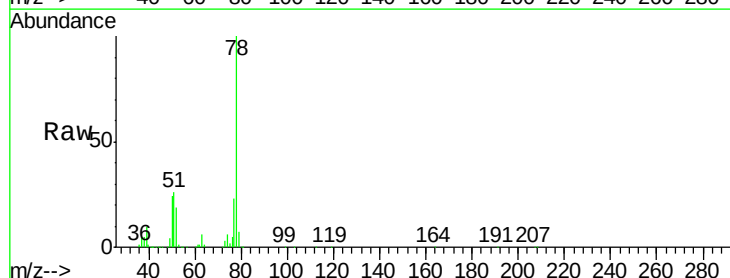
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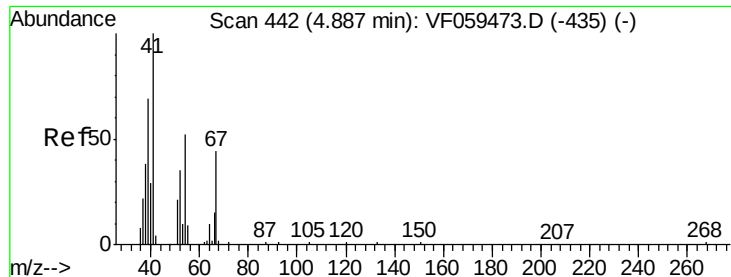
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#40
Benzene
Concen: 50.15 ug/l
RT: 4.77 min Scan# 430
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	20.8	31.2





#41

Methacrylonitrile

Concen: 53.31 ug/l

RT: 4.89 min Scan# 442

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tot Ion:	41	Resp:	62086
Ion	Ratio	Lower	Upper
41	100		
39	74.8	61.7	92.5
67	52.0	35.4	53.2
52	52.9	37.4	56.2

Instrument :

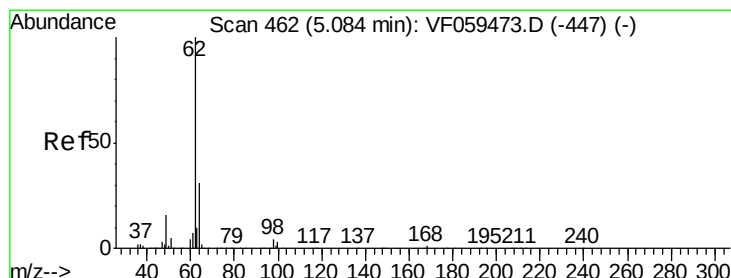
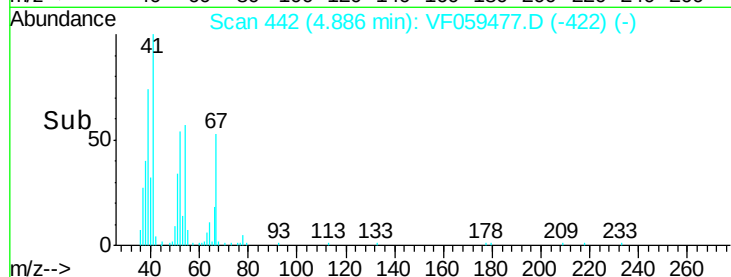
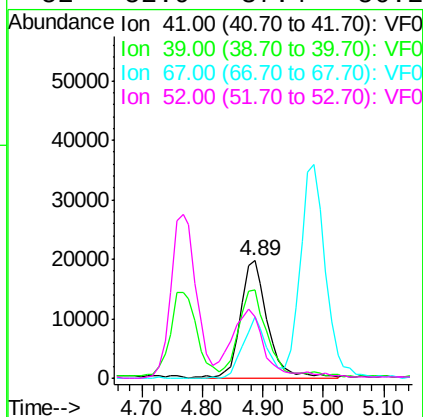
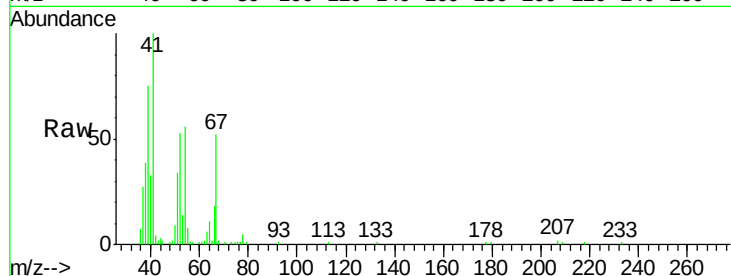
MSVOA_F

ClientSampleId :

ICVVF070718

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#42

1,2-Dichloroethane

Concen: 43.37 ug/l

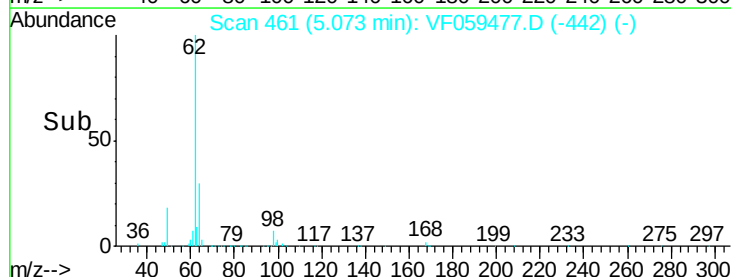
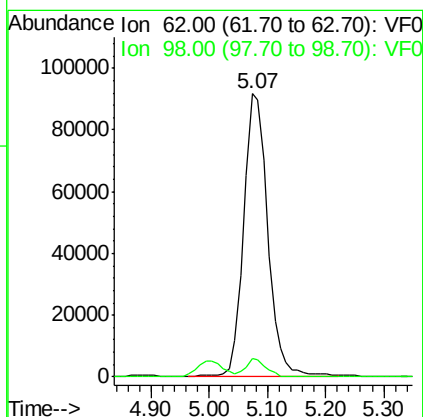
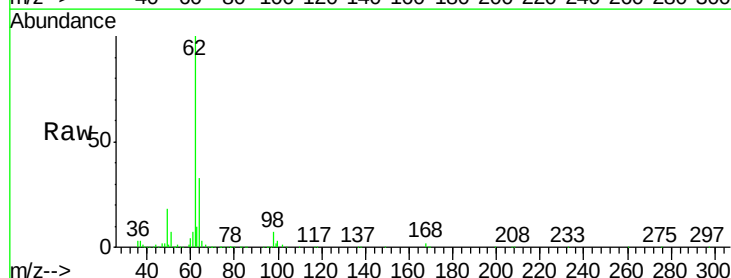
RT: 5.07 min Scan# 461

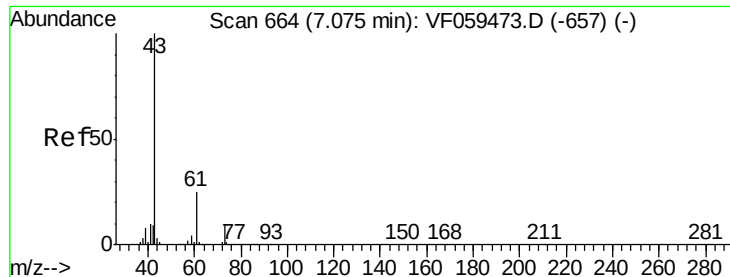
Delta R.T. -0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	62	Resp:	265998
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	7.6





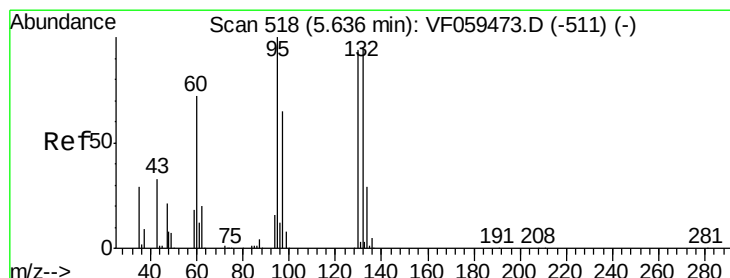
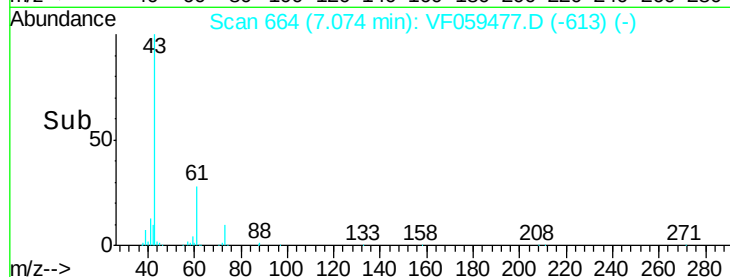
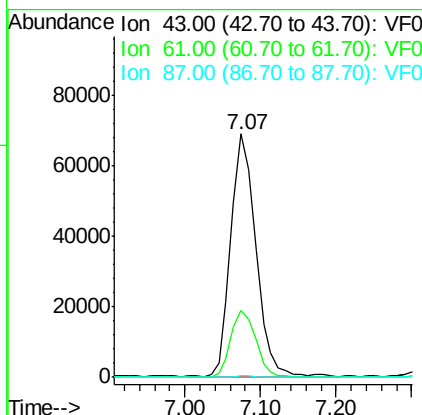
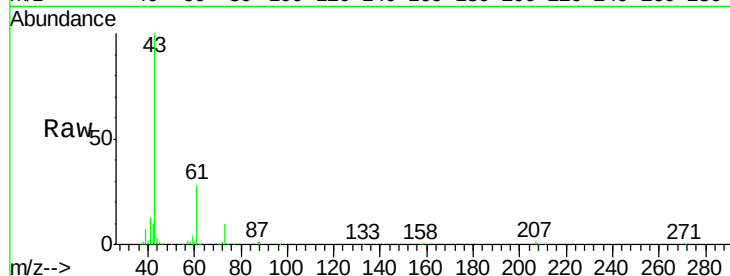
#43
Isopropyl Acetate
Concen: 54.27 ug/l
RT: 7.07 min Scan# 664
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.3	30.5
87	0.7	0.3	0.5

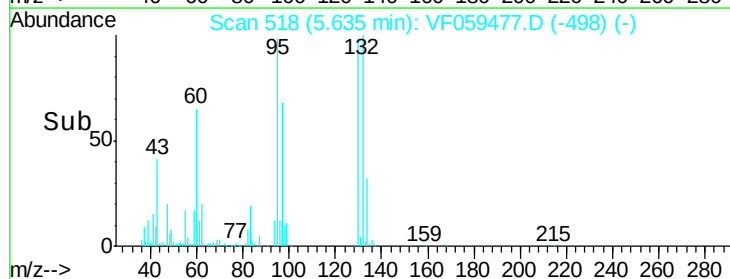
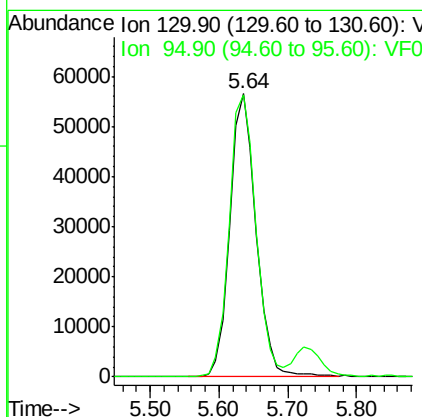
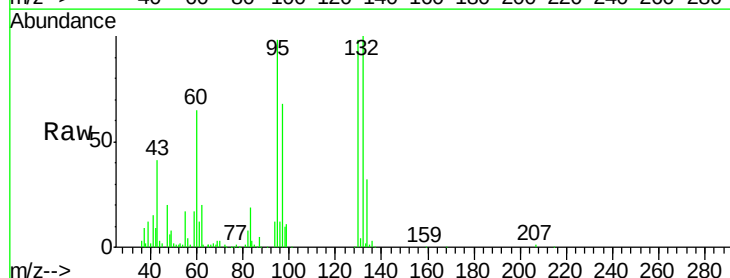
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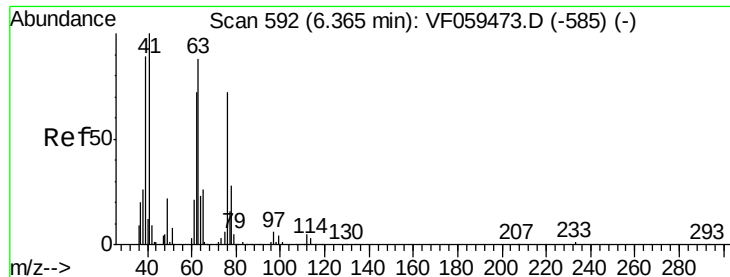
apatel
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#44
Trichloroethene
Concen: 47.66 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	214.6





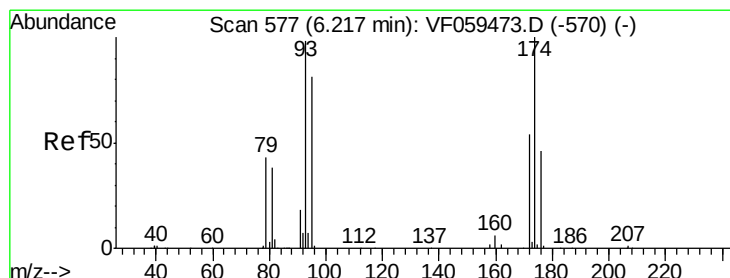
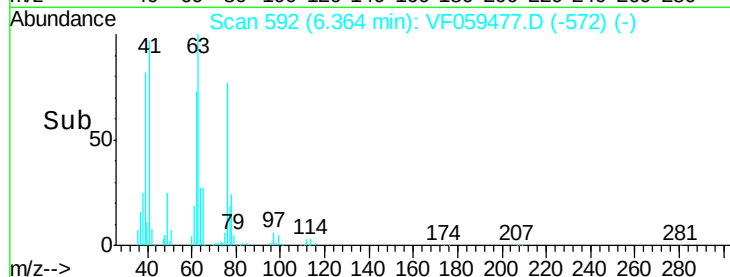
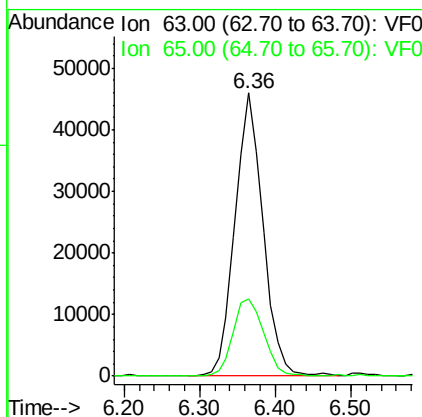
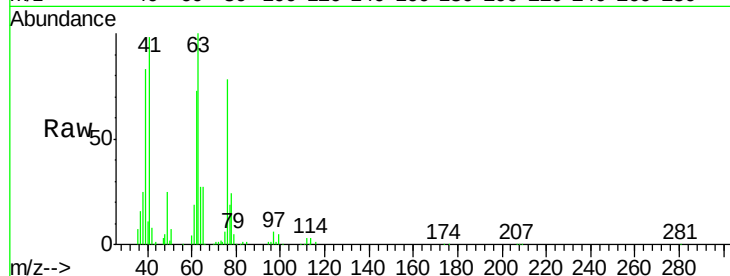
#45
 1,2-Dichloropropane
 Concen: 48.50 ug/l
 RT: 6.36 min Scan# 592
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV070718

Tot Ion	63	Resp	117882
Ion	Ratio	Lower	Upper
63	100		
65	27.4	23.5	35.3

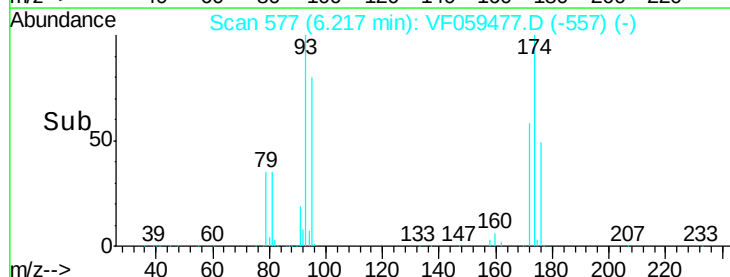
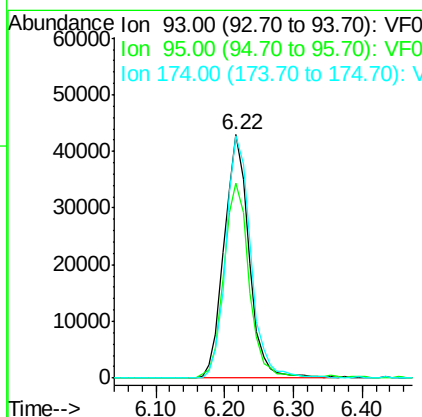
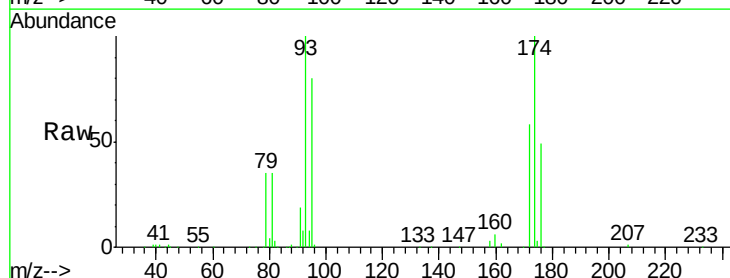
Manual Integrations
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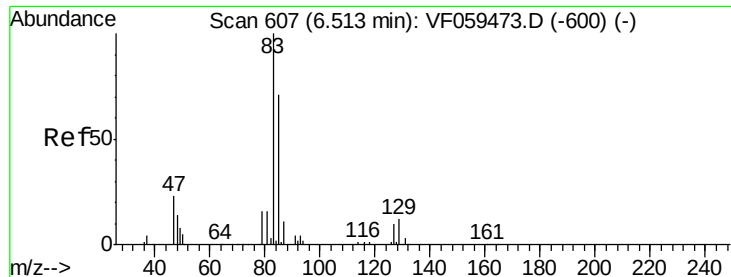
apatel
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#46
 Dibromomethane
 Concen: 48.31 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Tgt Ion	93	Resp	107641
Ion	Ratio	Lower	Upper
93	100		
95	80.0	65.9	98.9
174	99.6	83.2	124.8





#47

Bromodichloromethane

Concen: 47.27 ug/l

RT: 6.51 min Scan# 607

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

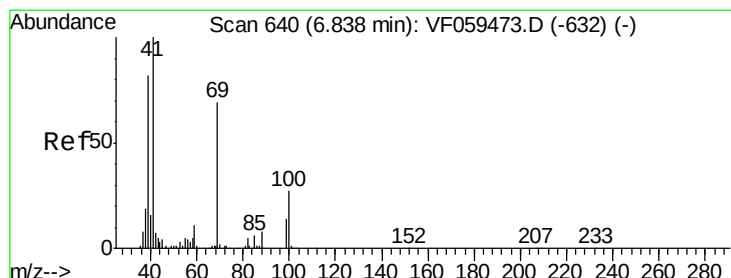
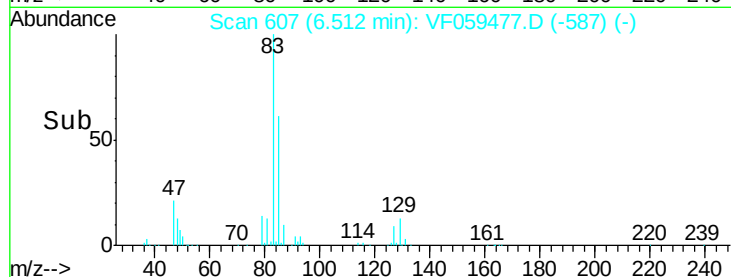
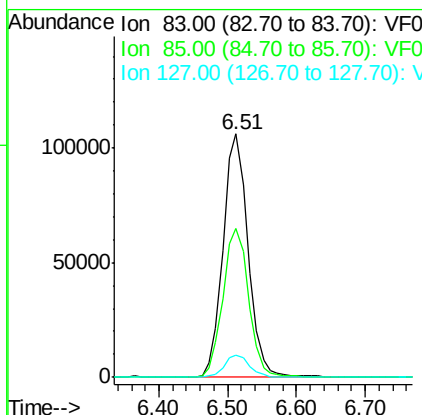
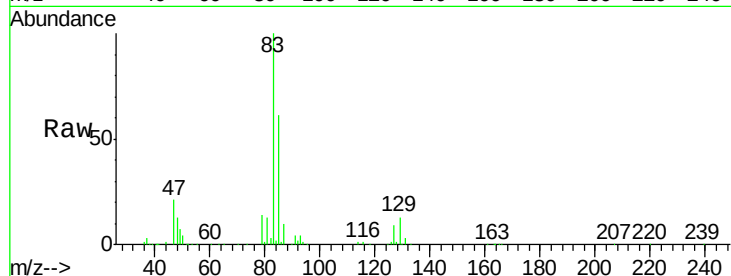
ClientSampleId :

ICVVF070718

Tot Ion:	83	Resp:	268034
Ion	Ratio	Lower	Upper
83	100		
85	61.2	56.6	84.8
127	9.0	8.1	12.1

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#48

Methyl methacrylate

Concen: 52.09 ug/l

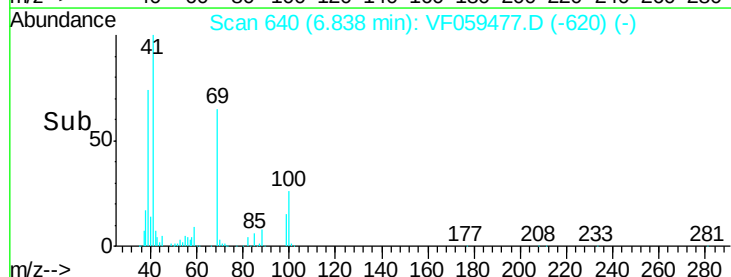
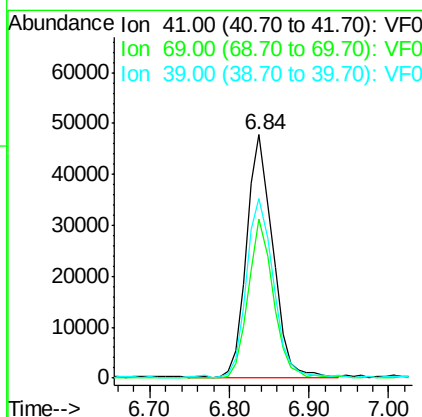
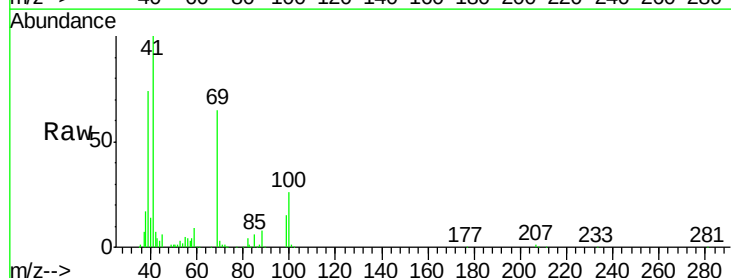
RT: 6.84 min Scan# 640

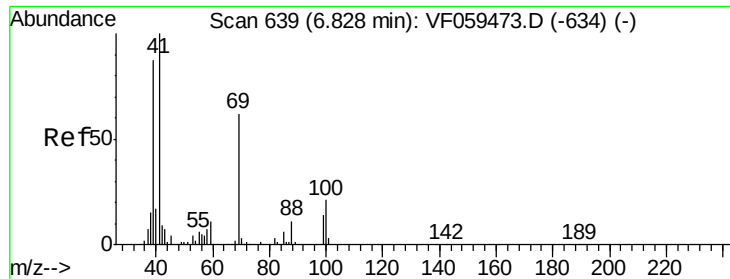
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	41	Resp:	107873
Ion	Ratio	Lower	Upper
41	100		
69	65.1	55.6	83.4
39	73.8	66.0	99.0





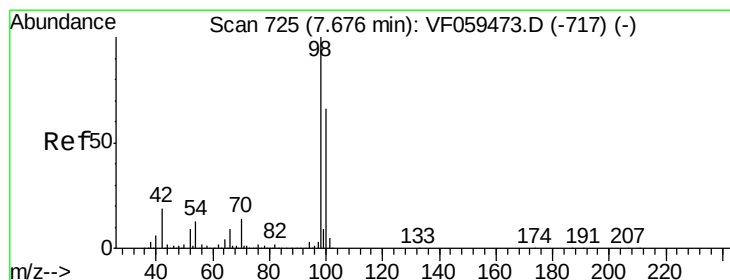
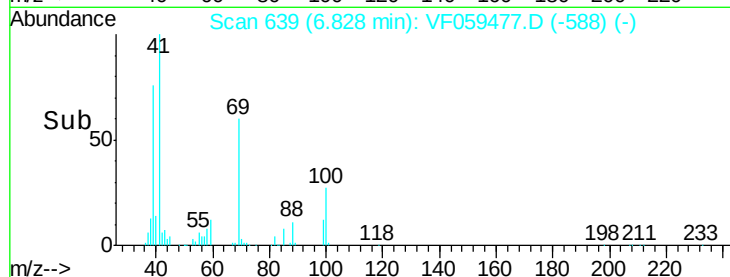
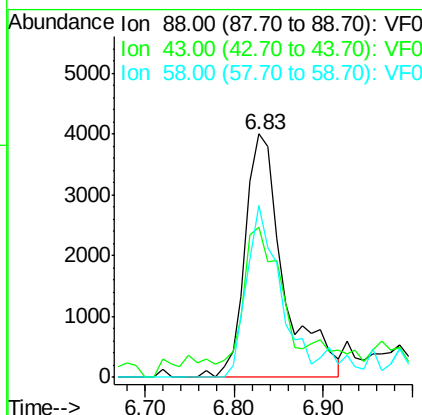
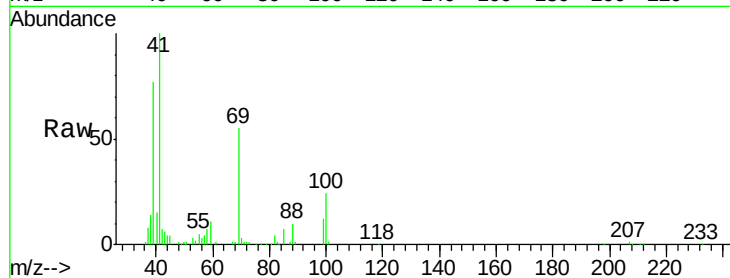
#49
1,4-Dioxane
Concen: 1278.23 ug/l
RT: 6.83 min Scan# 639
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.4	57.3	85.9
58	70.4	54.6	81.8

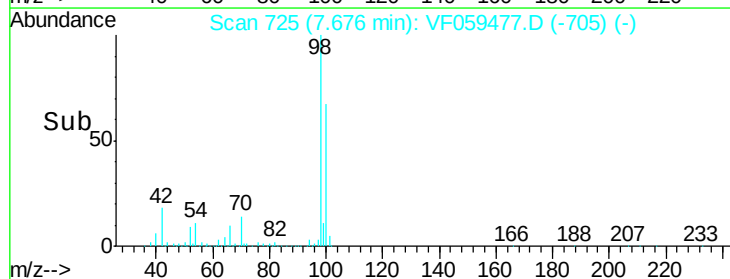
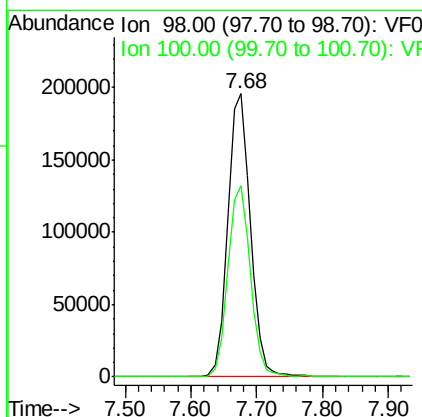
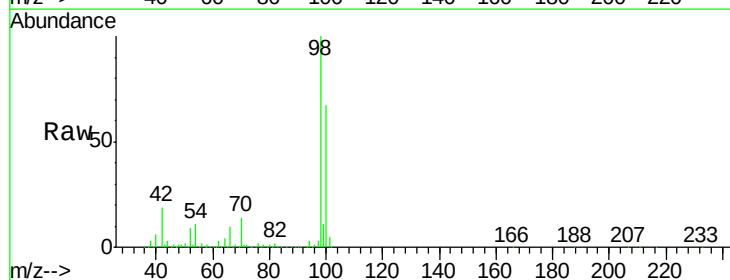
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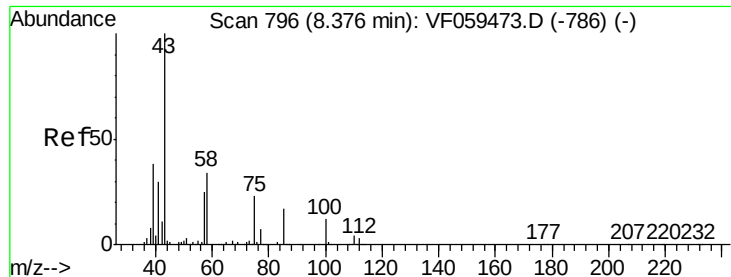
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#50
Toluene-d8
Concen: 51.24 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 240.86 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 43 Resp: 520848

Ion Ratio Lower Upper

43 100

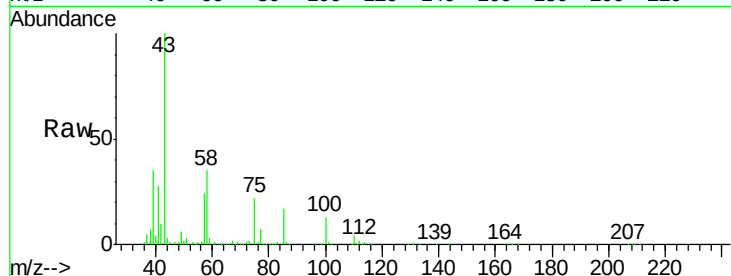
58 35.5 27.4 41.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

200000

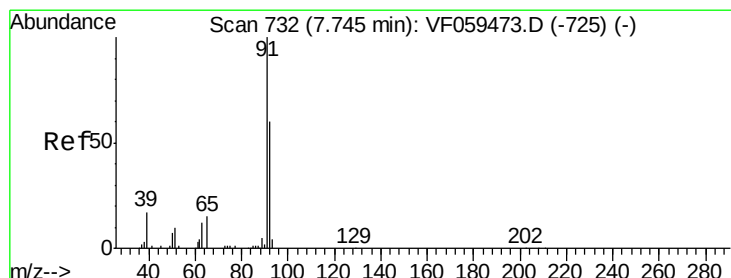
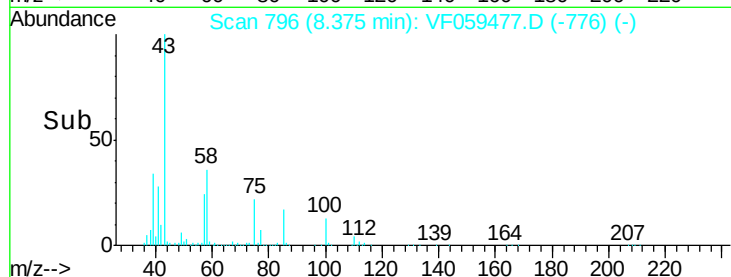
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 47.18 ug/l

RT: 7.74 min Scan# 732

Delta R.T. -0.00 min

Lab File: VF059477.D

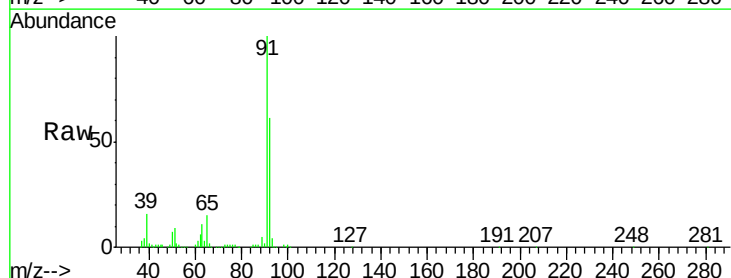
Acq: 7 Jul 2018 5:44

Tgt Ion: 92 Resp: 298302

Ion Ratio Lower Upper

92 100

91 165.2 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.74

200000

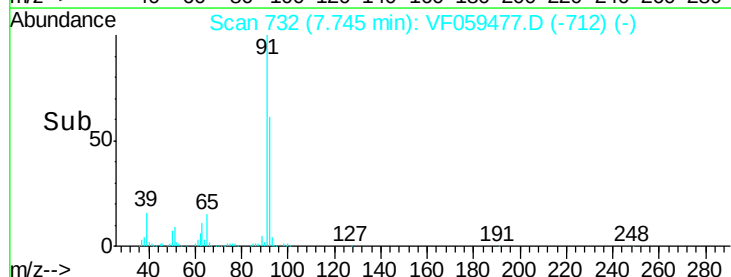
150000

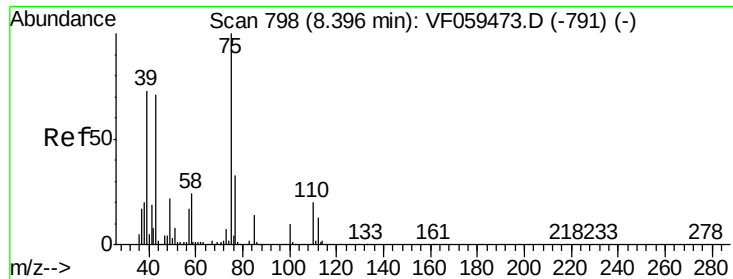
100000

50000

0

Time--> 7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 43.83 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 75 Resp: 215149

Ion Ratio Lower Upper

75 100

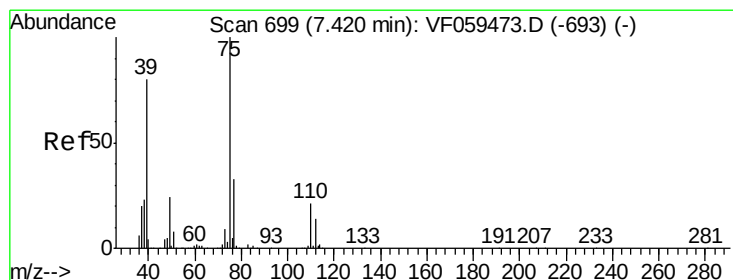
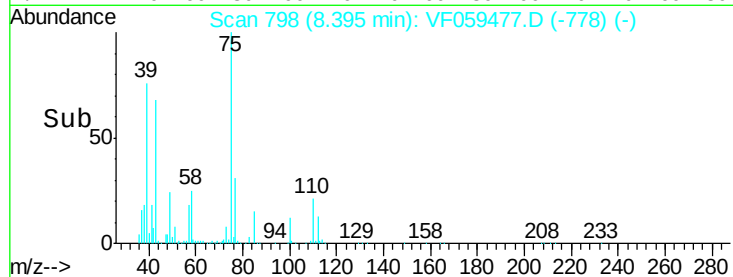
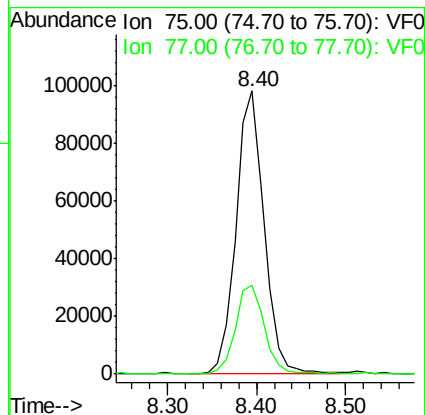
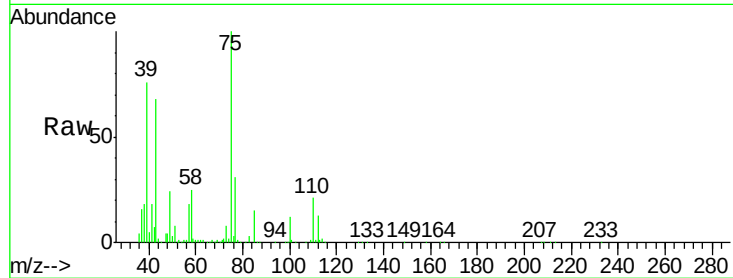
77 31.2 26.4 39.6

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#54

cis-1,3-Dichloropropene

Concen: 48.69 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

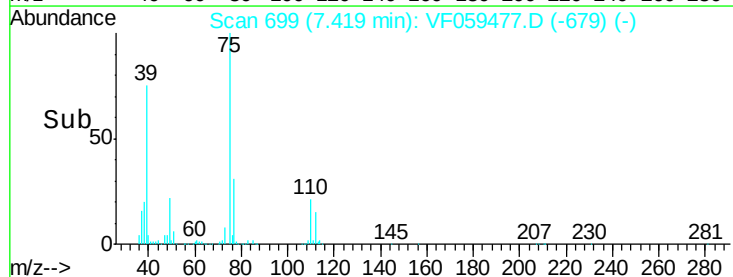
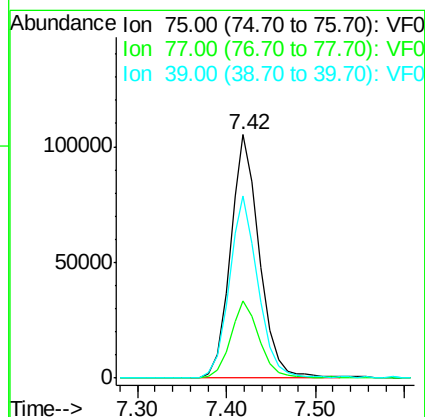
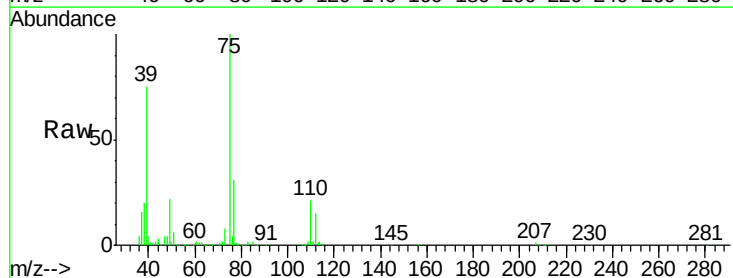
Tgt Ion: 75 Resp: 238580

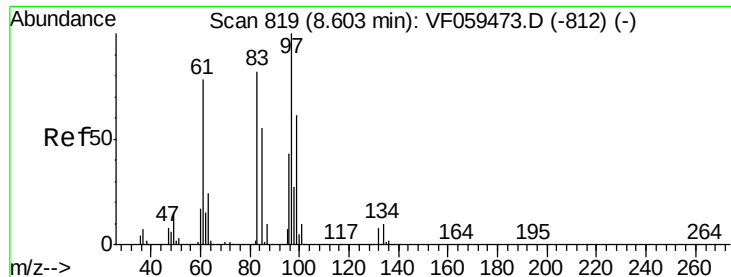
Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.4

39 74.9 64.5 96.7





#55

1,1,2-Trichloroethane

Concen: 46.45 ug/l

RT: 8.60 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

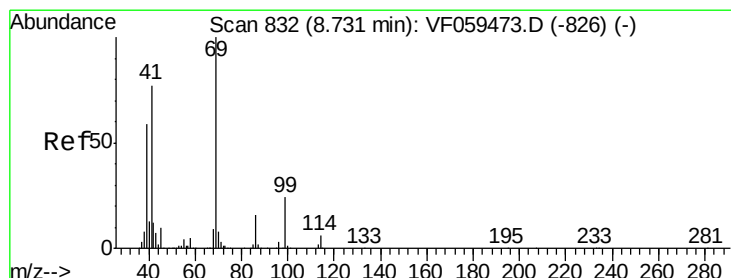
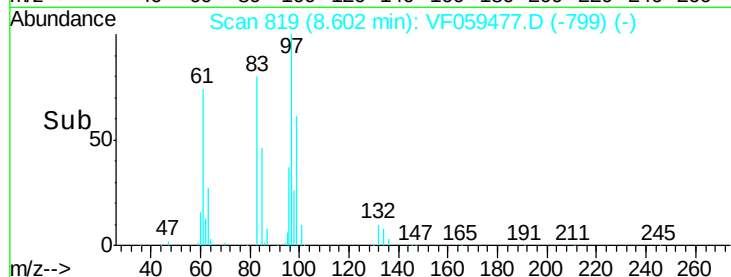
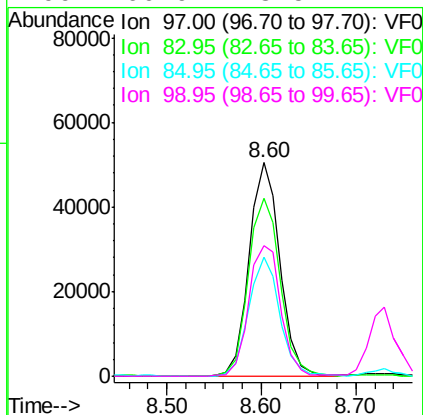
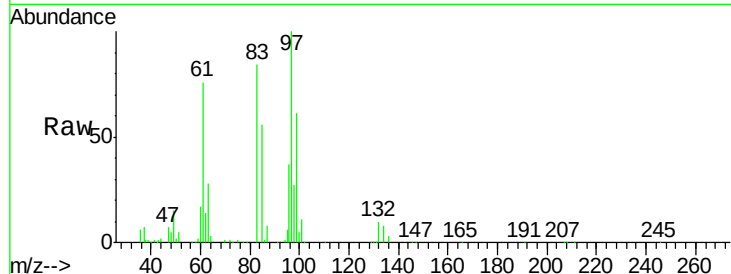
ClientSampleId :

ICVVF070718

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114571		
83	83.5	65.7	98.5		
85	55.7	43.8	65.6		
99	60.9	48.5	72.7		

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#56

Ethyl methacrylate

Concen: 52.22 ug/l

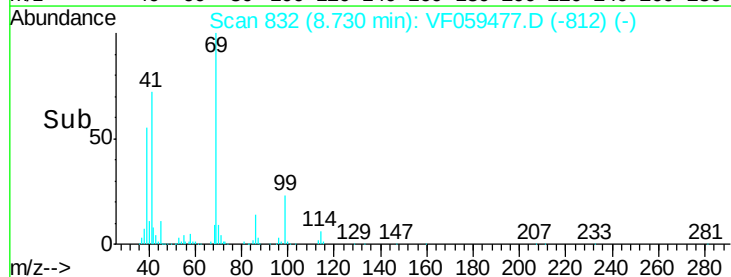
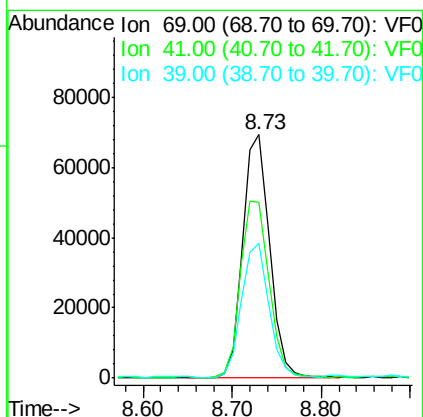
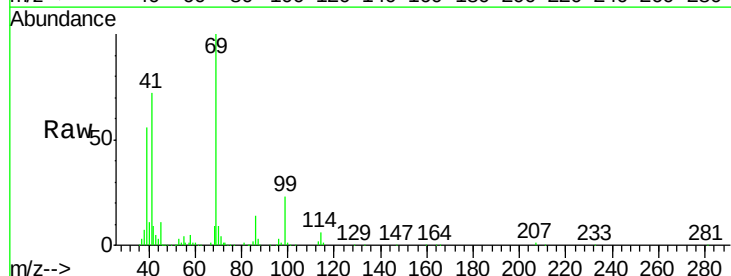
RT: 8.73 min Scan# 832

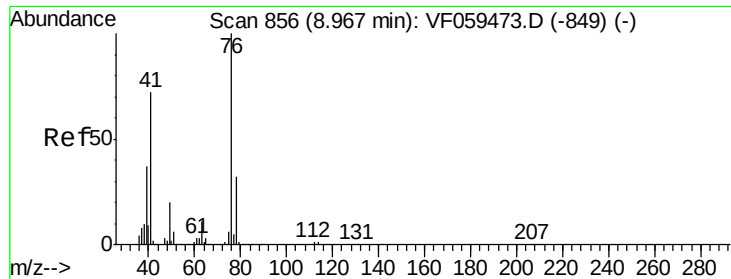
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		145714		
41	72.1	62.2	93.4		
39	55.5	47.7	71.5		





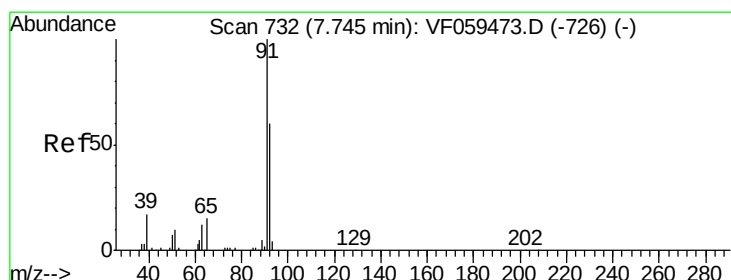
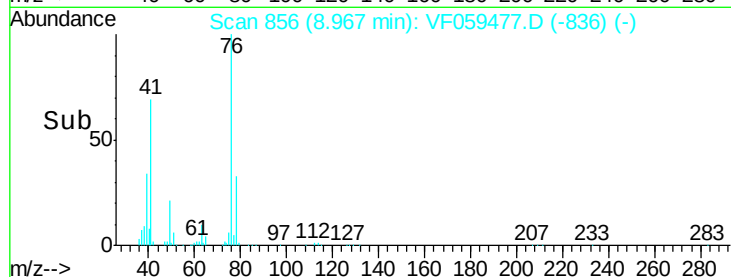
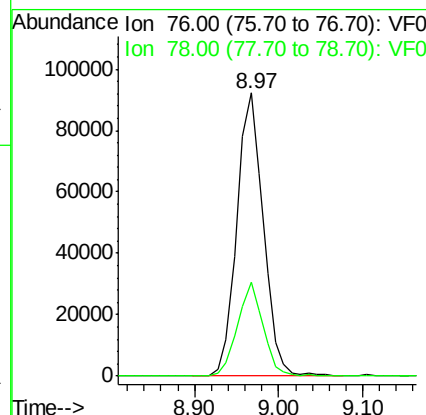
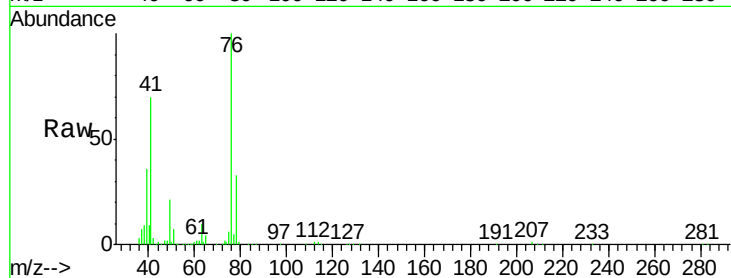
#57
 1,3-Dichloropropane
 Concen: 48.01 ug/l
 RT: 8.97 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV070718

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.2	37.8

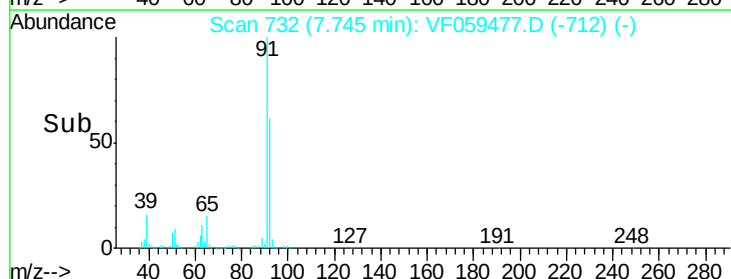
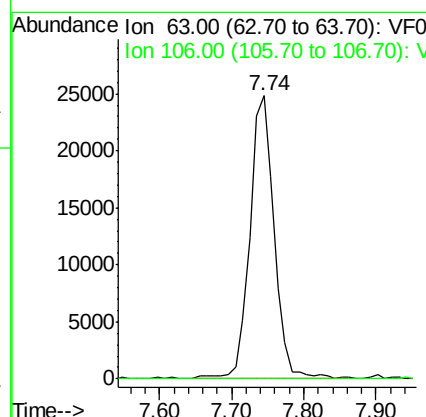
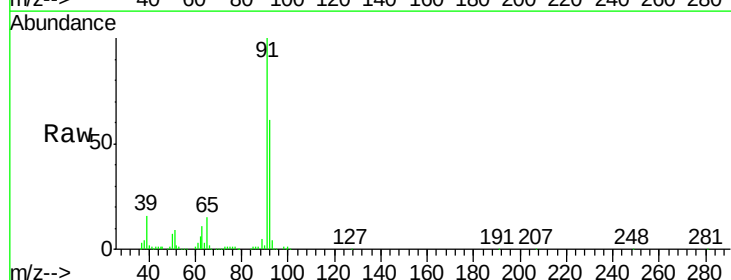
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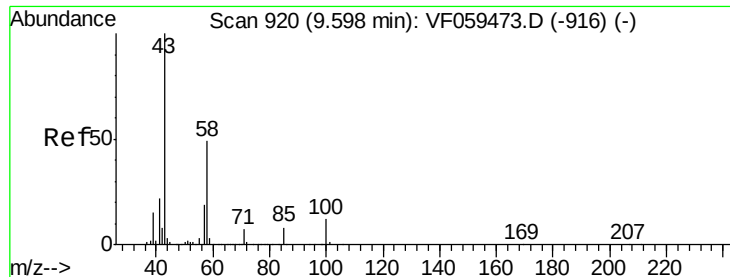
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 220.18 ug/l
 RT: 7.74 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





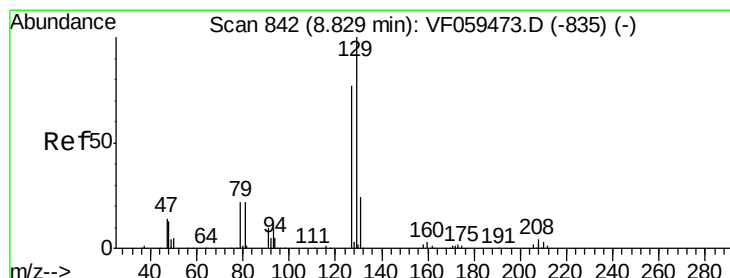
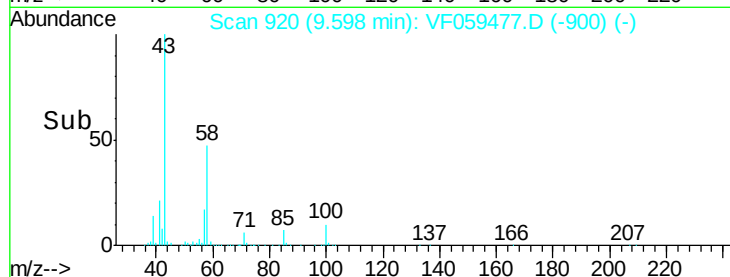
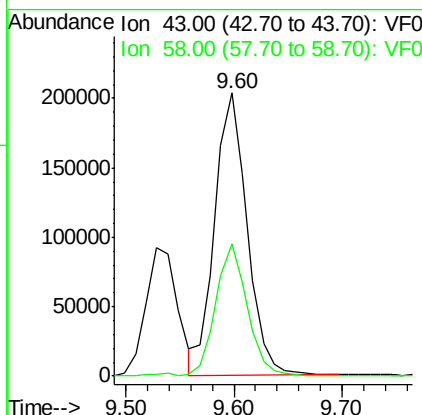
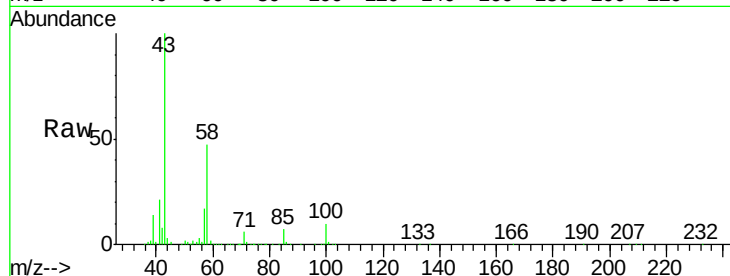
#59
2-Hexanone
Concen: 262.98 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.6	22.4	67.2

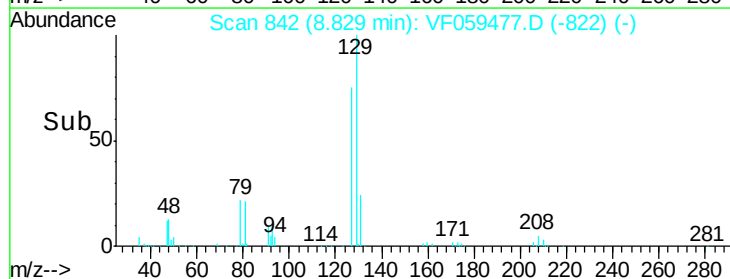
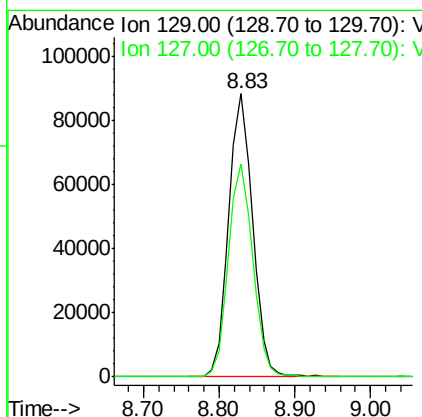
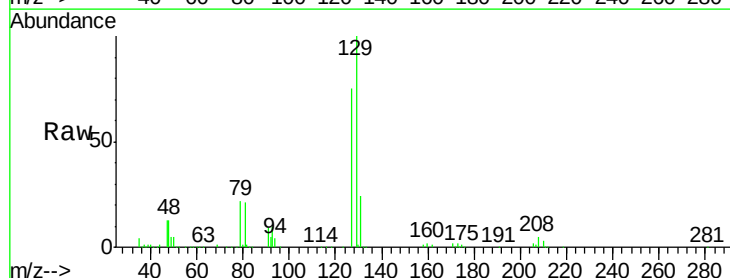
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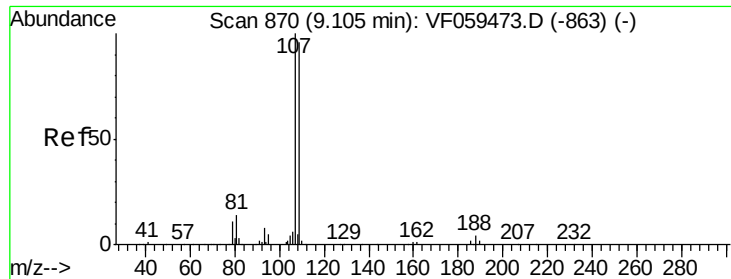
apatel
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#60
Dibromochloromethane
Concen: 47.15 ug/l
RT: 8.83 min Scan# 842
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.8	116.3





#61

1,2-Dibromoethane

Concen: 47.06 ug/l

RT: 9.09 min Scan# 869

Delta R.T. -0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion:107 Resp: 142650

Ion Ratio Lower Upper

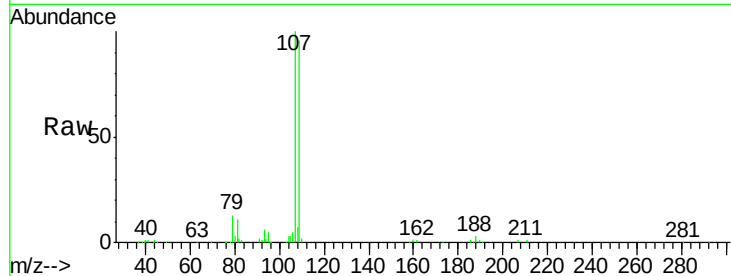
107 100

109 96.3 76.7 115.1

Manual Integrations
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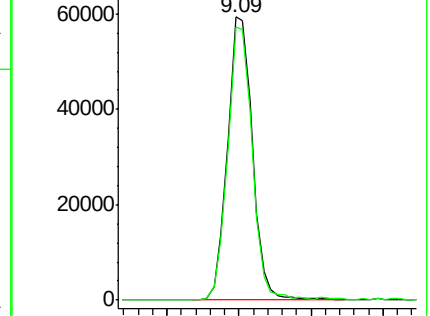
apatel

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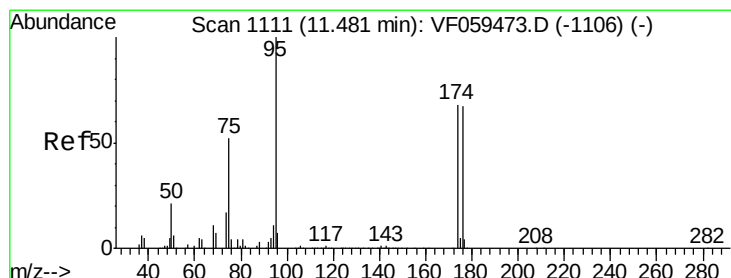
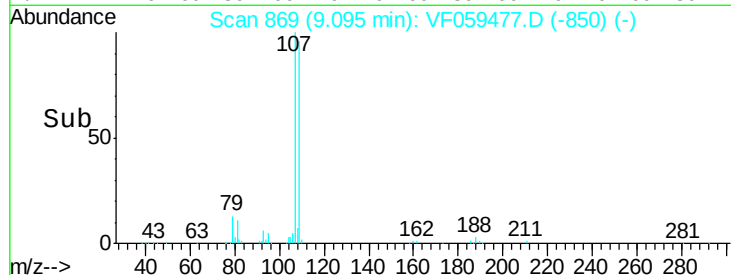


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.18 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

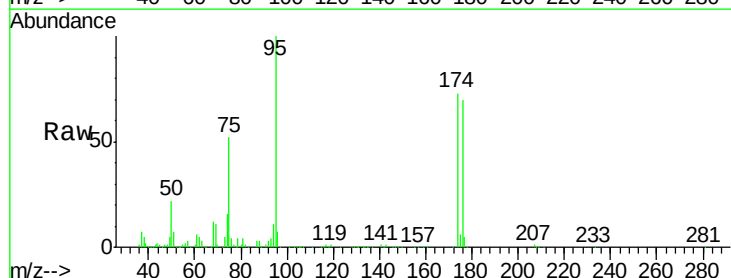
Tgt Ion: 95 Resp: 237804

Ion Ratio Lower Upper

95 100

174 73.5 0.0 137.0

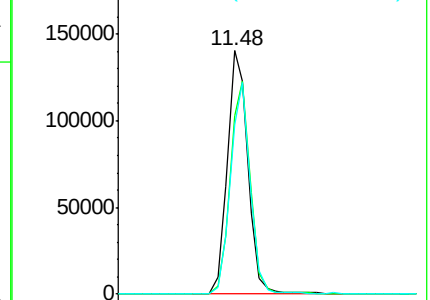
176 69.6 0.0 133.8



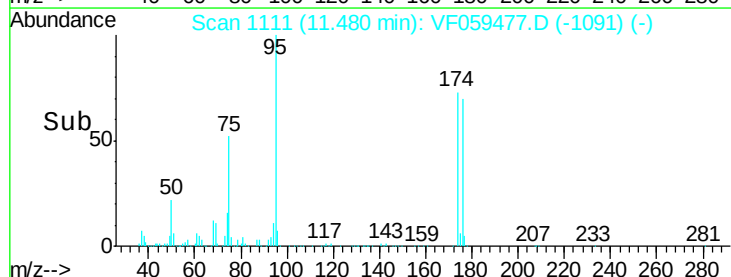
Abundance Ion 95.00 (94.70 to 95.70): VF0

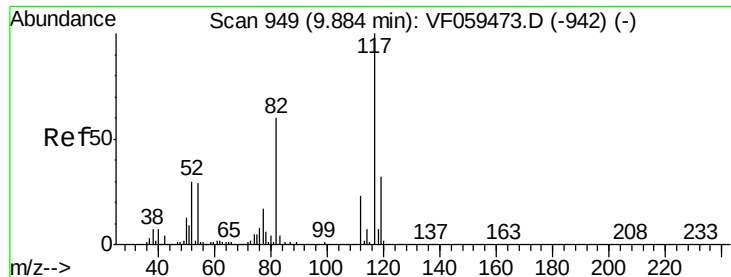
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->





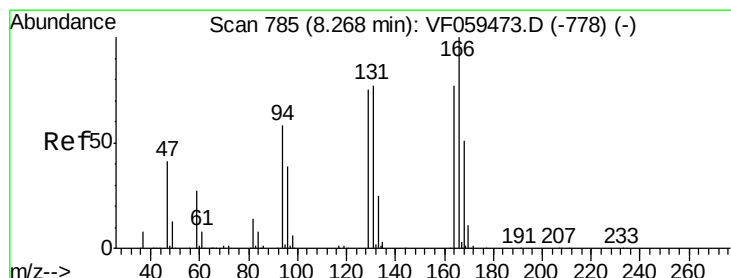
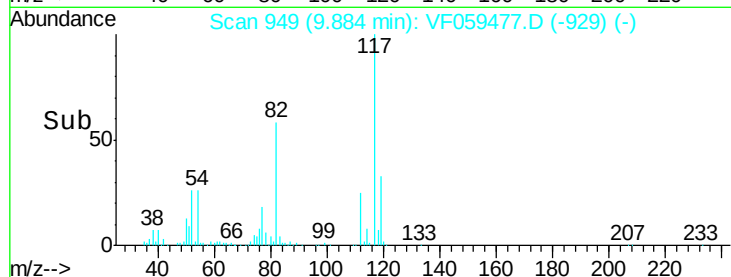
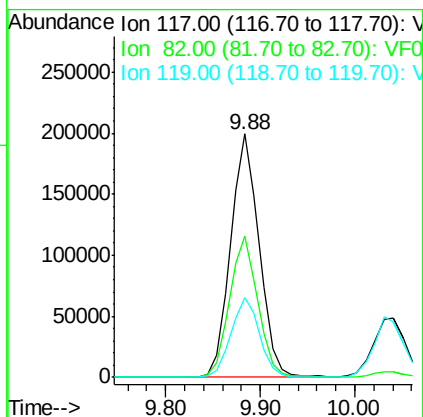
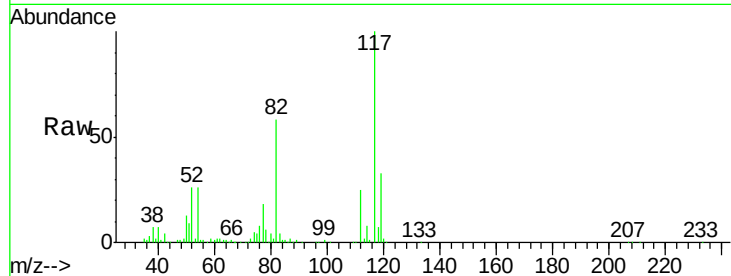
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Resp	Lower	Upper
117	100	416353		
82	57.9		48.2	72.4
119	32.5		25.7	38.5

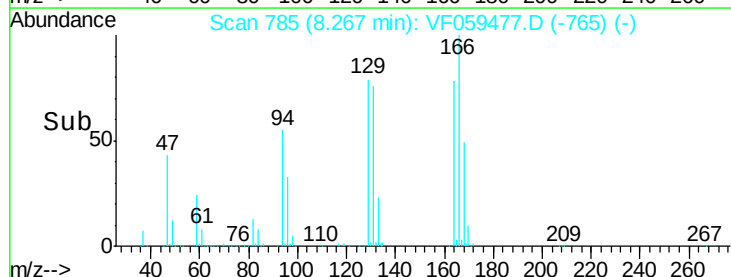
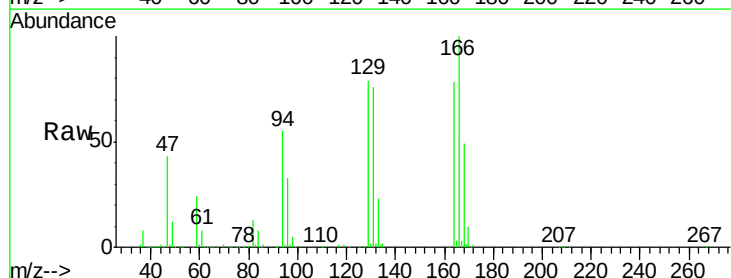
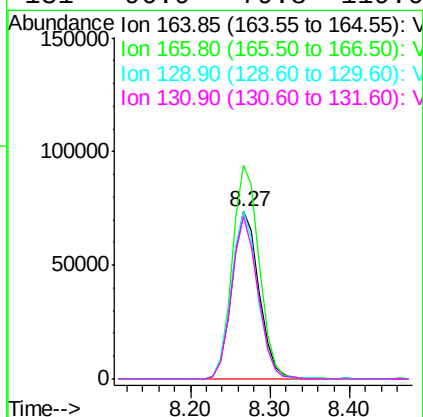
Manual Integrations
APPROVED

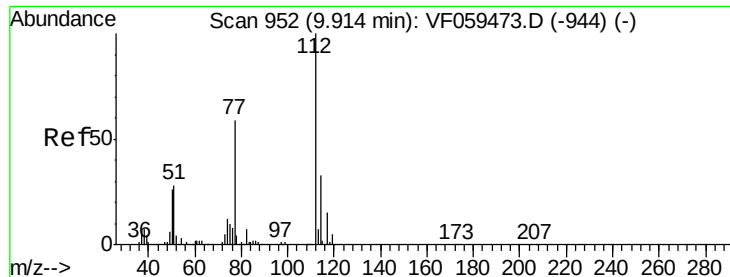
apatel
7/9/2018 9:34:52 AM



#64
Tetrachloroethene
Concen: 50.20 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175068		
166	127.6		103.5	155.3
129	100.5		77.6	116.4
131	96.9		79.8	119.6





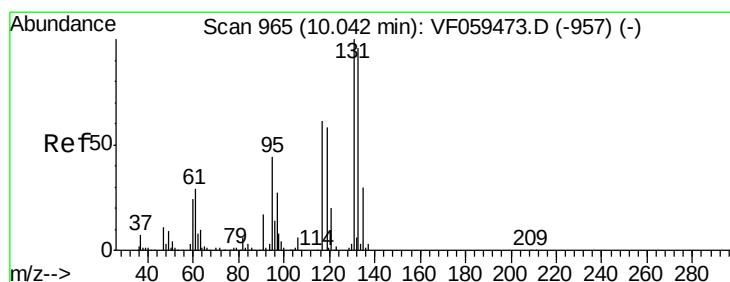
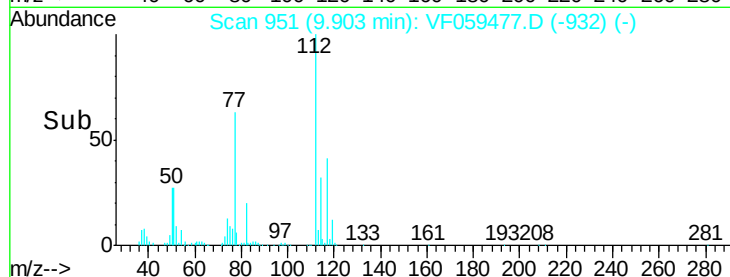
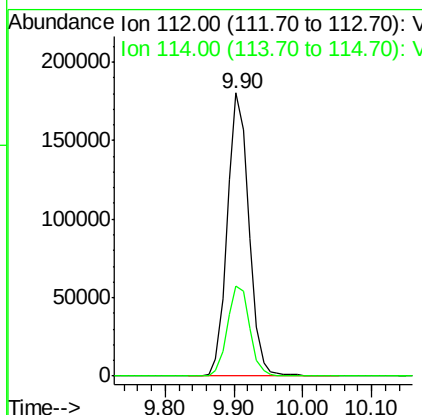
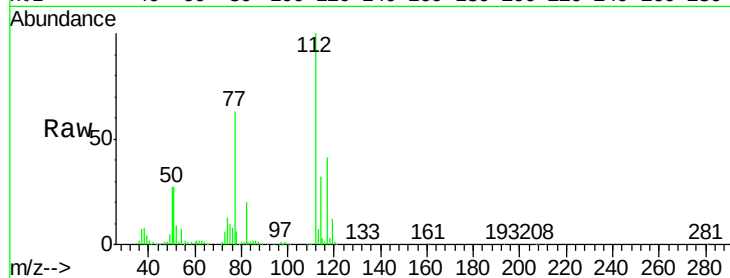
#65
Chlorobenzene
Concen: 48.35 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.2	39.2

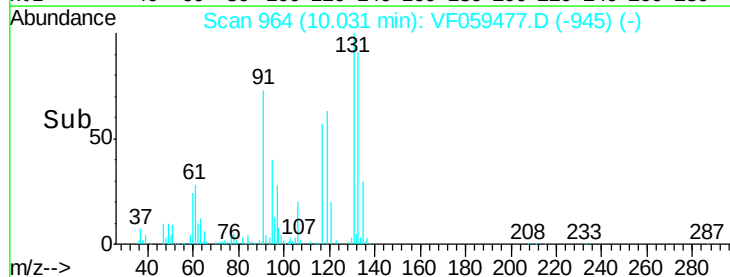
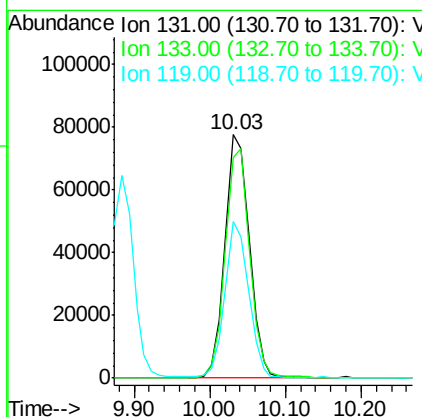
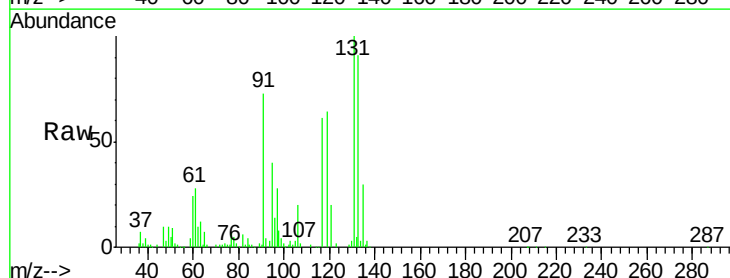
Manual Integrations
APPROVED

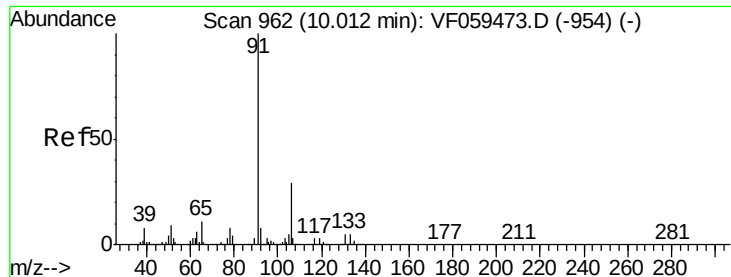
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.69 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.9	48.1	144.3
119	64.3	29.3	87.8





#67

Ethyl Benzene

Concen: 49.07 ug/l

RT: 10.00 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 91 Resp: 692200

Ion Ratio Lower Upper

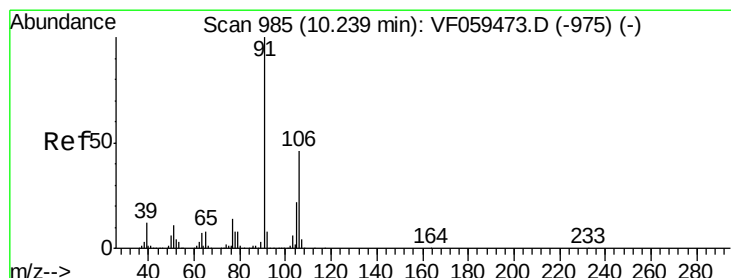
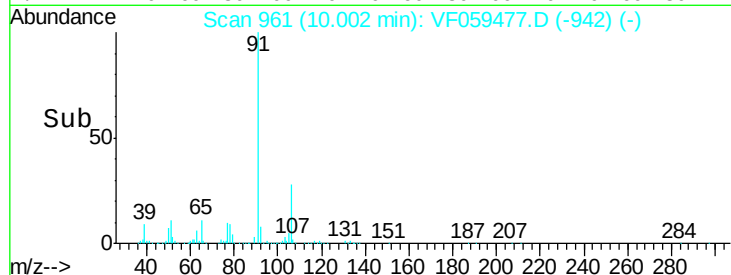
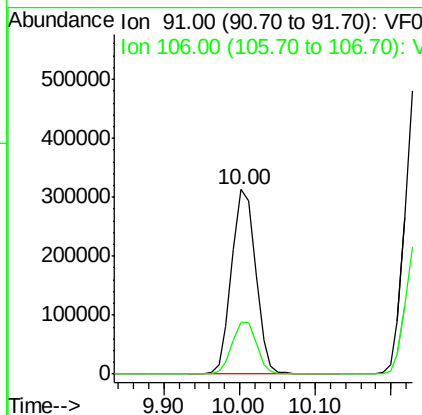
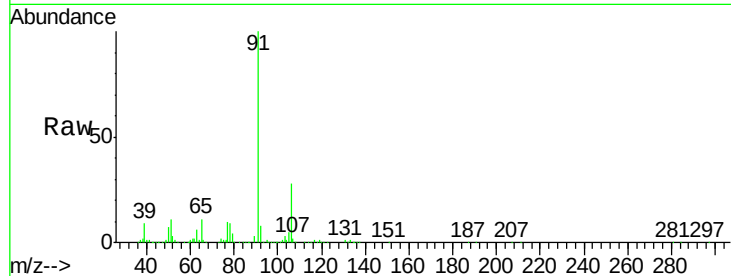
91 100

106 28.2 23.0 34.6

Manual Integrations
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apatel

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#68

m/p-Xylenes

Concen: 98.85 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.00 min

Lab File: VF059477.D

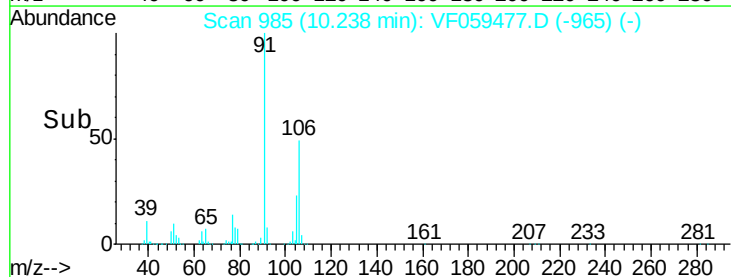
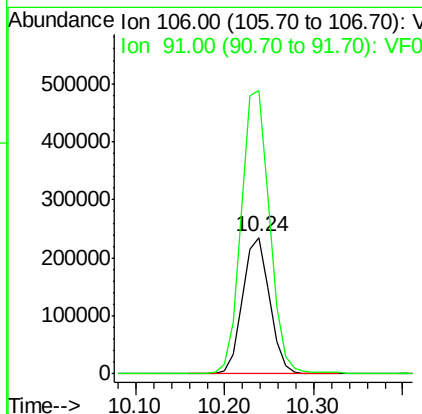
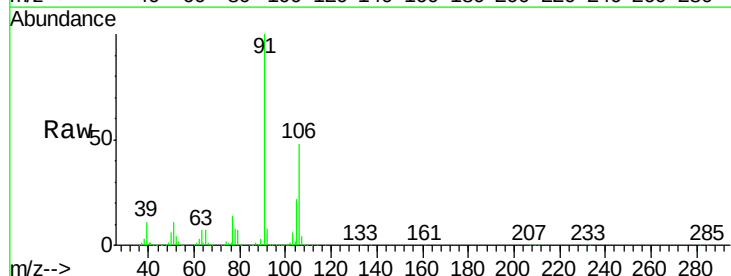
Acq: 7 Jul 2018 5:44

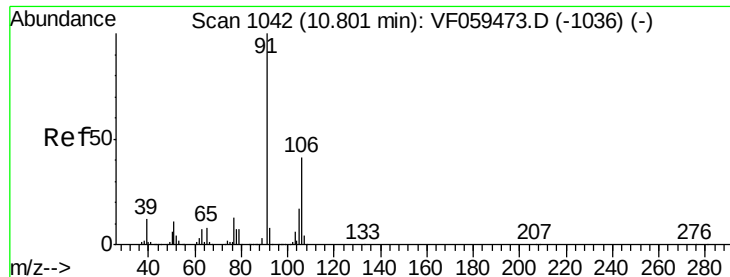
Tgt Ion: 106 Resp: 491412

Ion Ratio Lower Upper

106 100

91 207.0 173.5 260.3





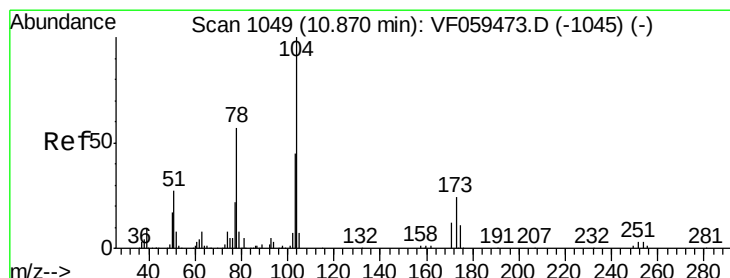
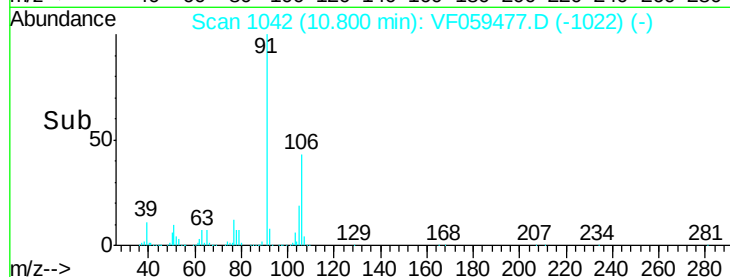
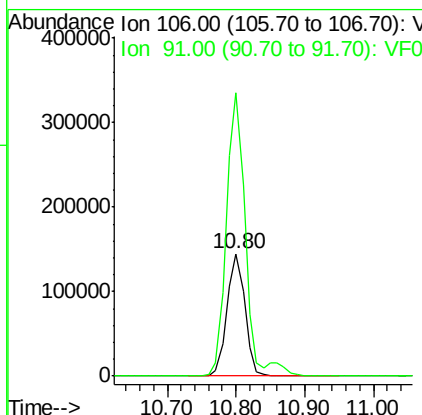
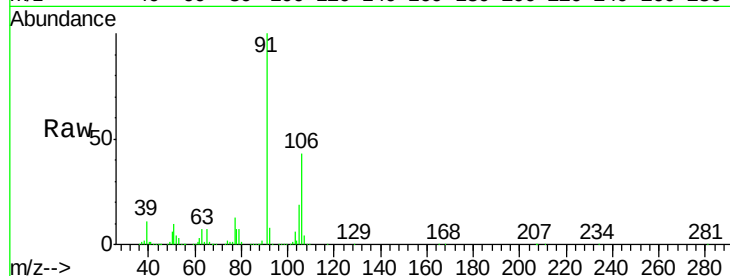
#69
o-Xylene
Concen: 49.40 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	264334		
91	91	230.7	121.8	365.3	

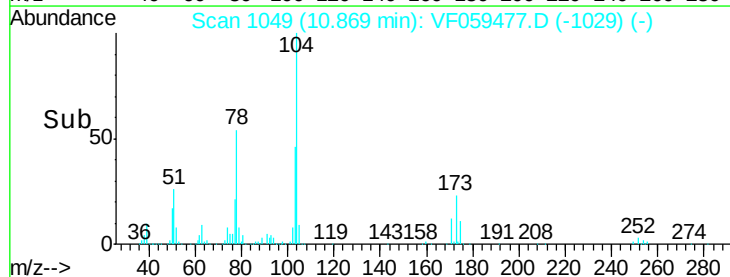
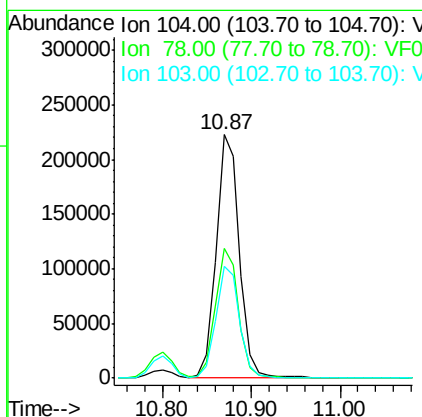
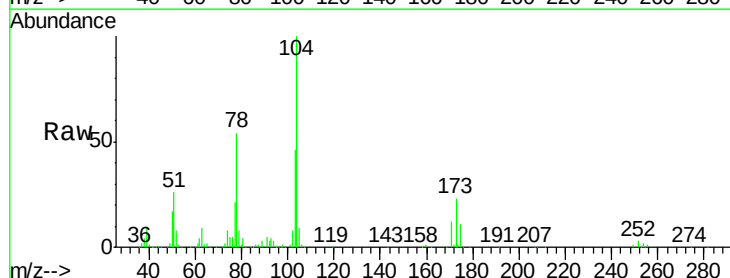
Manual Integrations
APPROVED

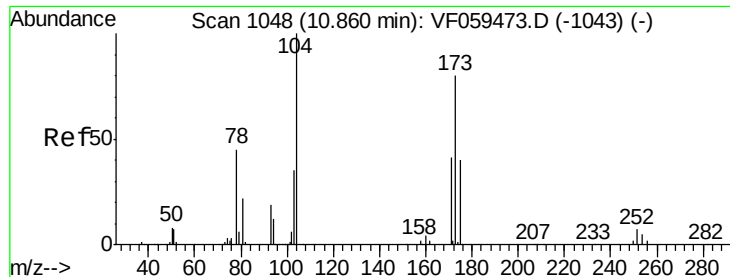
apatel
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#70
Styrene
Concen: 48.31 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	402886		
78	78	53.5	46.2	69.2	
103	103	46.1	36.8	55.2	





#71

Bromoform

Concen: 47.37 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

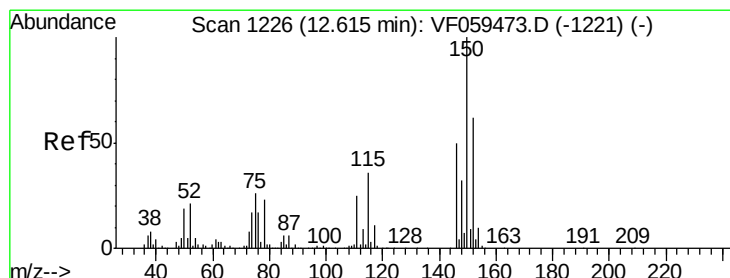
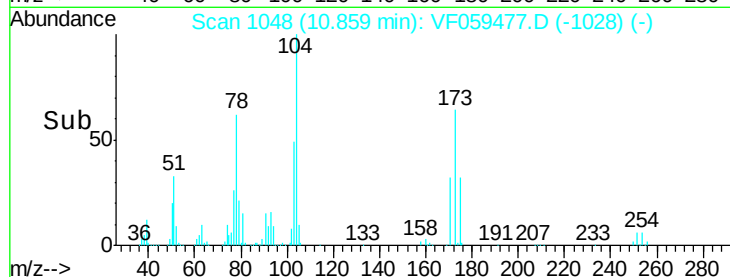
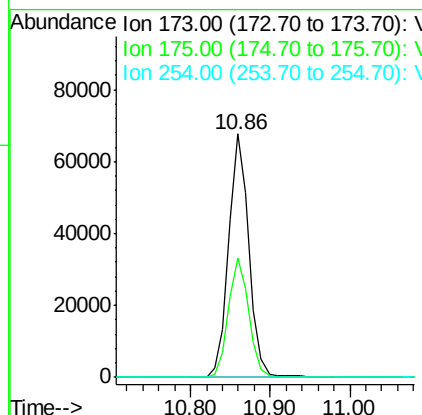
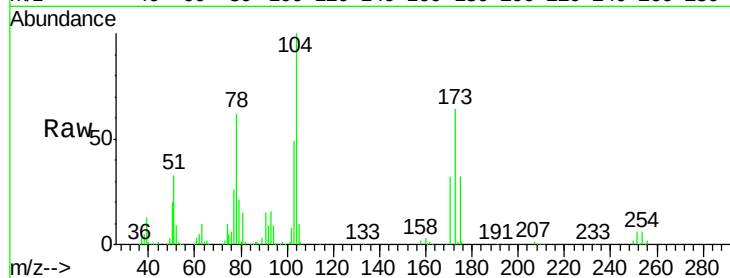
ClientSampleId :

ICVVF070718

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.8
254	0.2	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

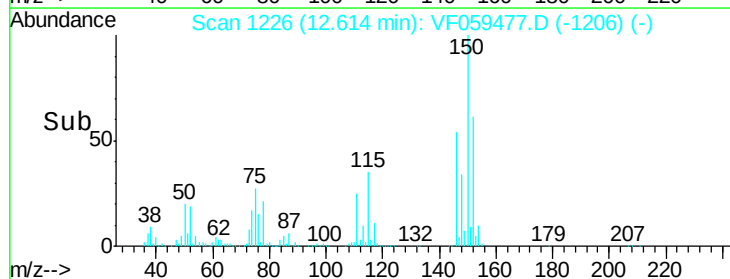
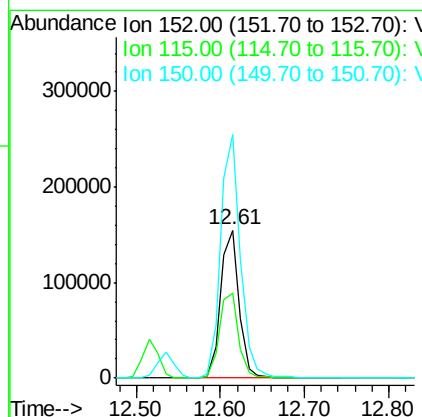
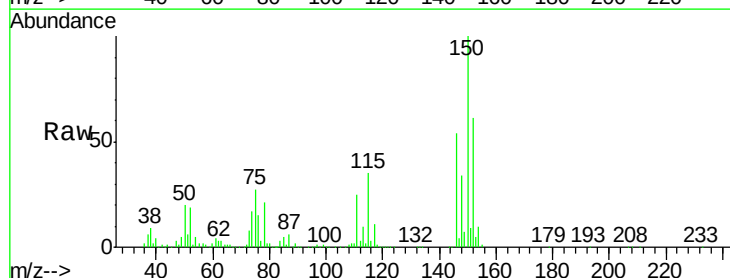
RT: 12.61 min Scan# 1226

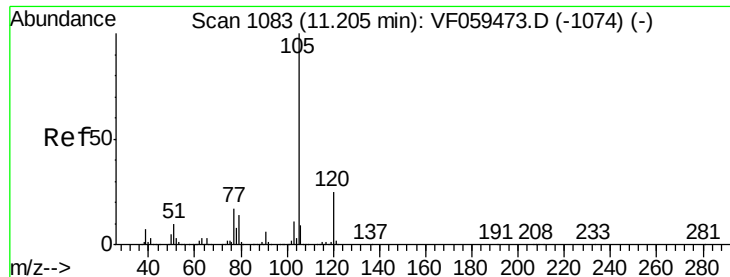
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.7	86.3
150	164.9	0.0	323.8





#73

Isopropylbenzene

Concen: 53.66 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion:105 Resp: 772127

Ion Ratio Lower Upper

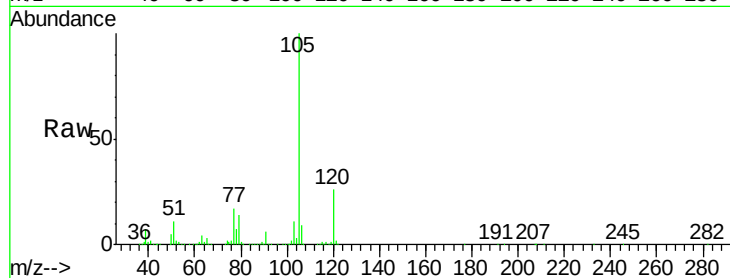
105 100

120 25.8 12.4 37.2

Manual Integrations
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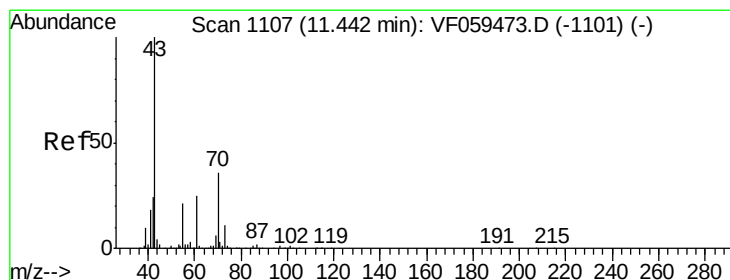
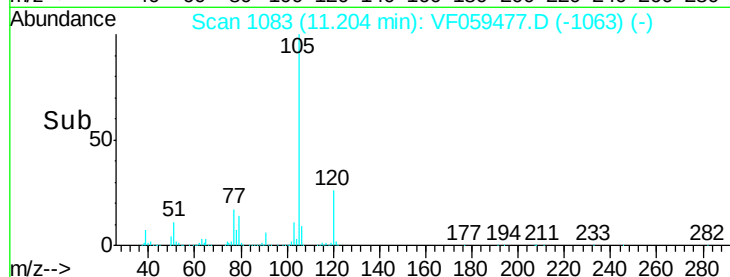
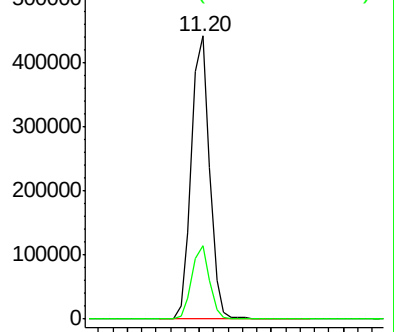
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.31 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion: 43 Resp: 264907

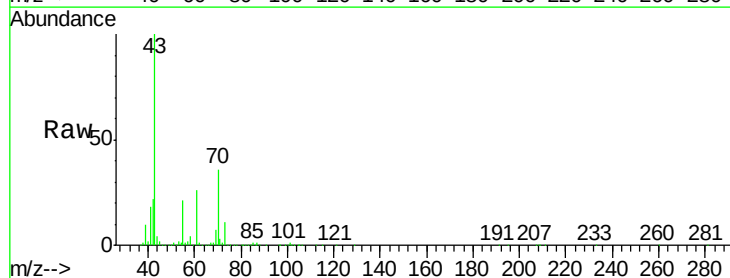
Ion Ratio Lower Upper

43 100

70 36.2 28.7 43.1

55 21.1 16.6 24.8

61 25.9 20.1 30.1

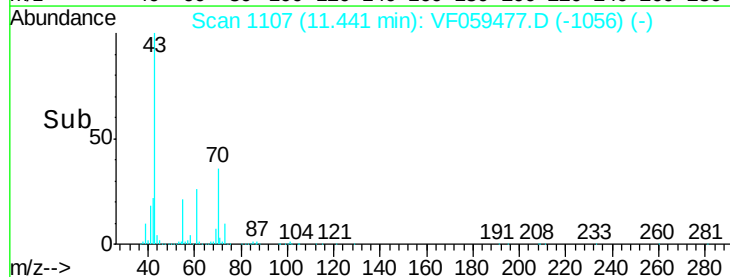
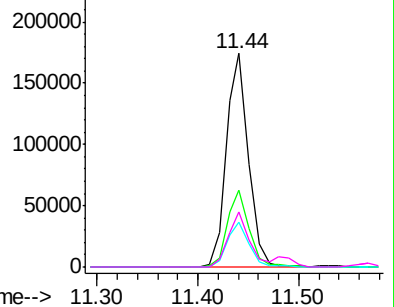


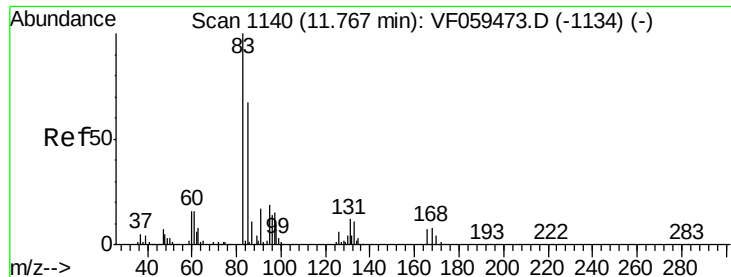
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.30 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

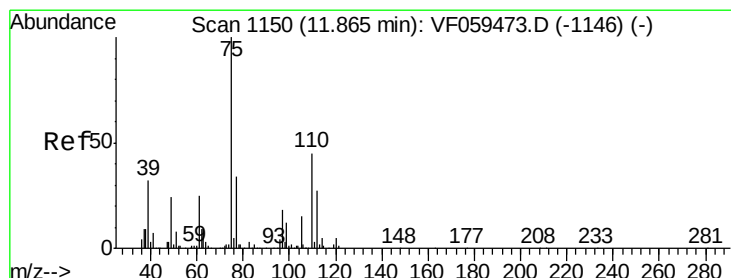
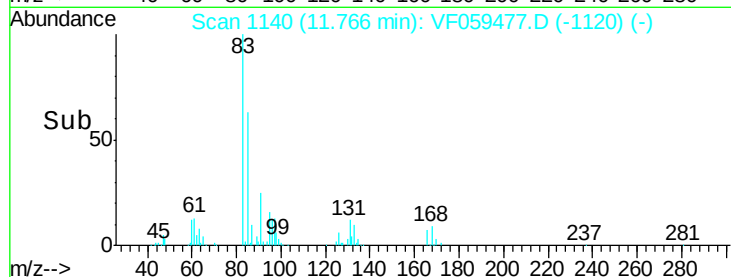
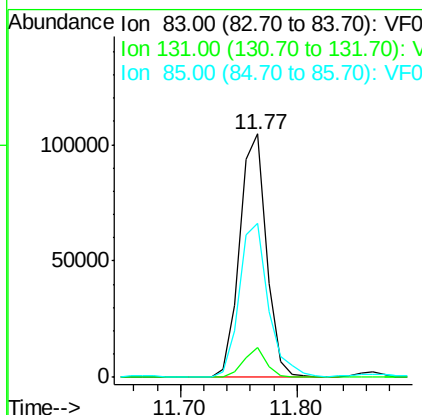
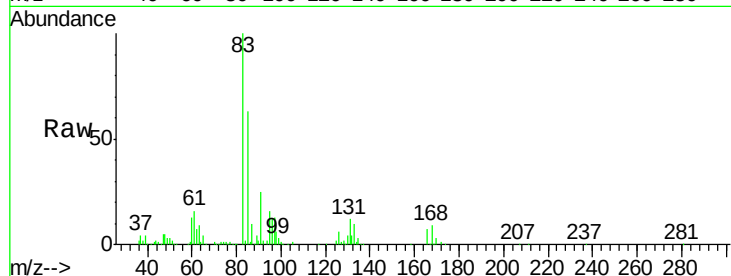
ClientSampleId :

ICVVF070718

Tot Ion	83	Resp	167802
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.0	18.0
85	63.1	33.7	101.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.28 ug/l

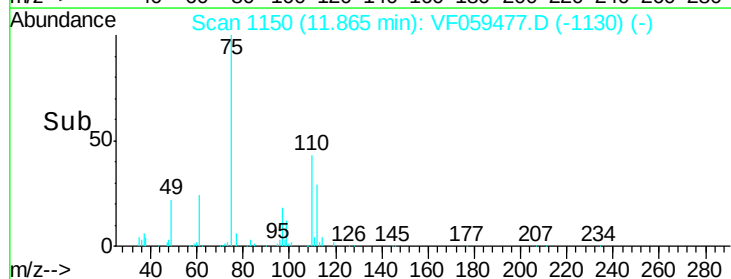
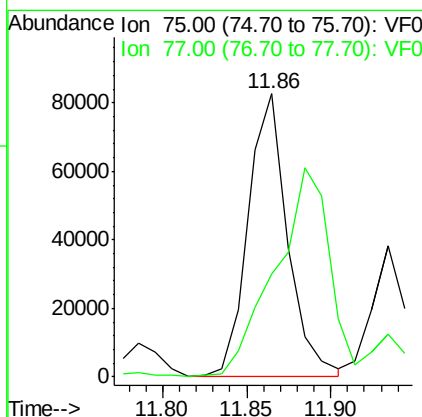
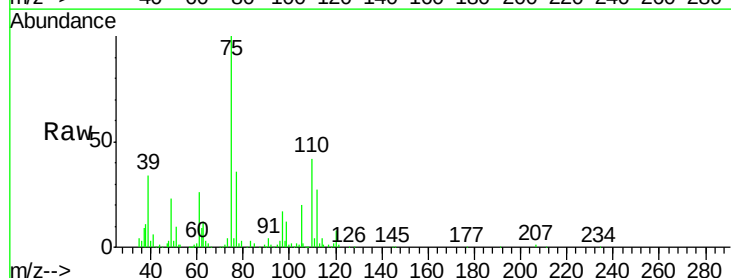
RT: 11.86 min Scan# 1150

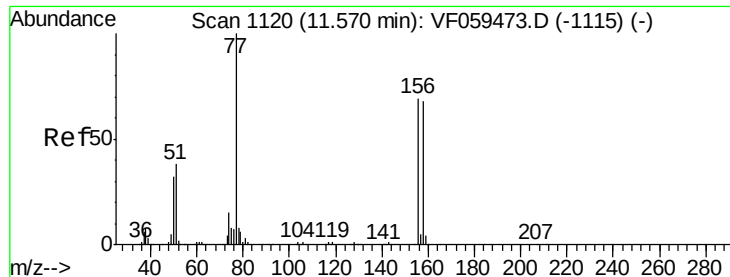
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion	75	Resp	133892
Ion Ratio	Lower	Upper	
75	100		
77	36.3	16.9	50.6





#77

Bromobenzene

Concen: 50.69 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

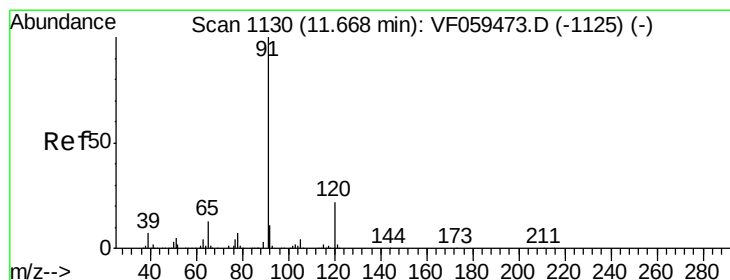
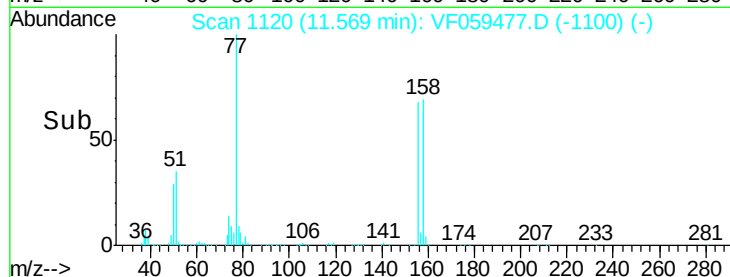
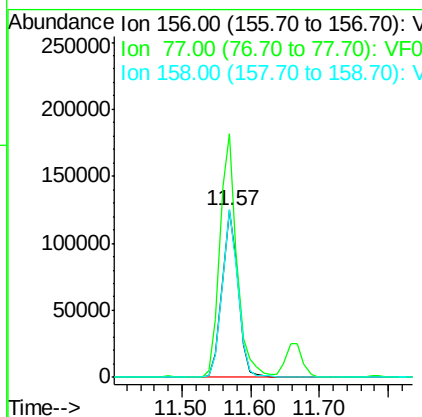
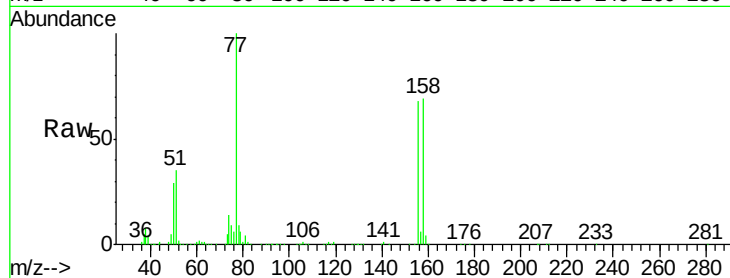
ClientSampleId :

ICVVF070718

Tot Ion:	156	Resp:	201830
Ion Ratio	Lower	Upper	
156	100		
77	146.2	72.4	217.2
158	101.1	49.5	148.3

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#78

n-propylbenzene

Concen: 50.89 ug/l

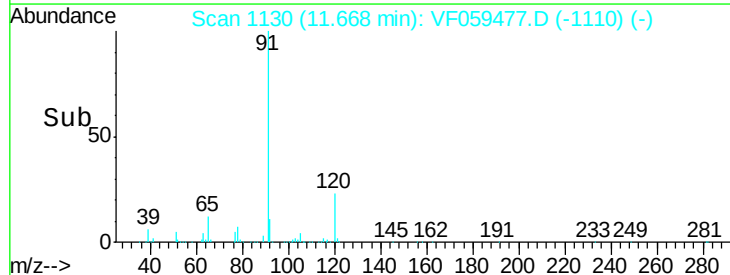
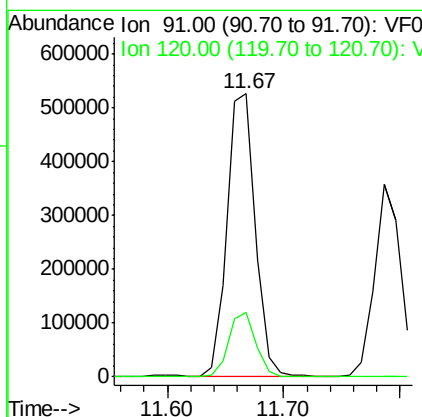
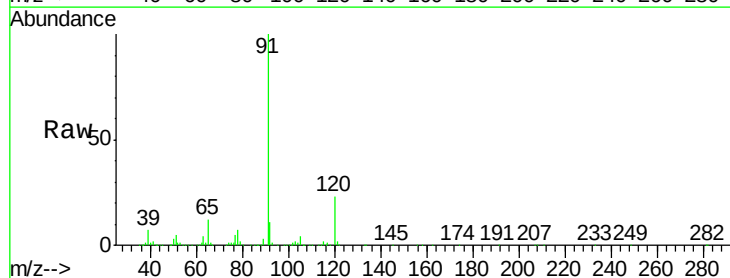
RT: 11.67 min Scan# 1130

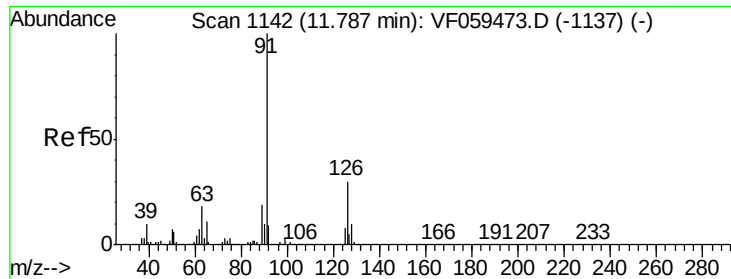
Delta R.T. -0.00 min

Lab File: VF059477.D

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Tgt Ion:	91	Resp:	879279
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 51.66 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 91 Resp: 552324

Ion Ratio Lower Upper

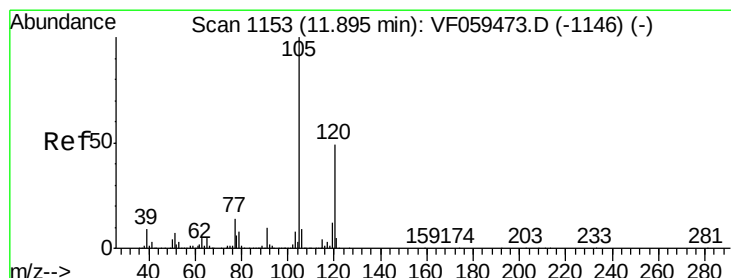
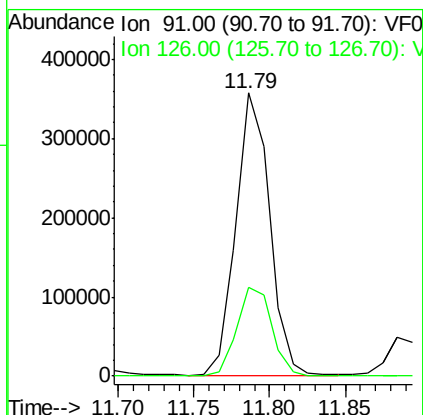
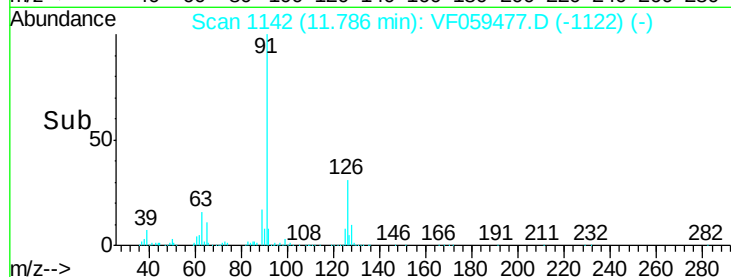
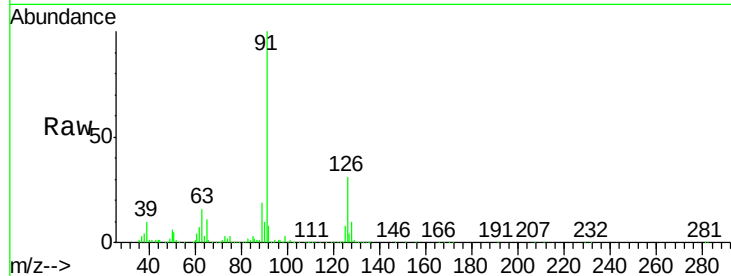
91 100

126 31.3 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 53.79 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF059477.D

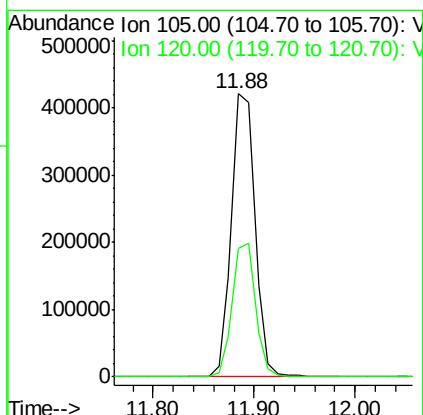
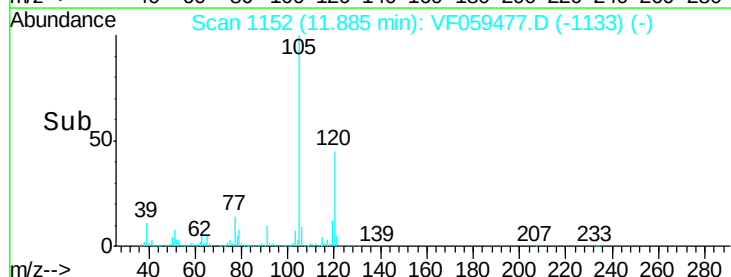
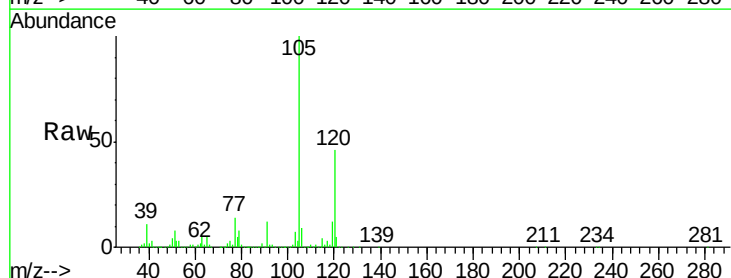
Acq: 7 Jul 2018 5:44

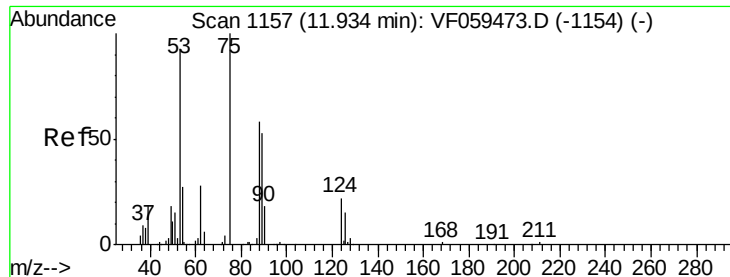
Tgt Ion: 105 Resp: 685945

Ion Ratio Lower Upper

105 100

120 45.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.37 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

ClientSampleId :

ICVVF070718

Tot Ion: 75 Resp: 70966

Ion Ratio Lower Upper

75 100

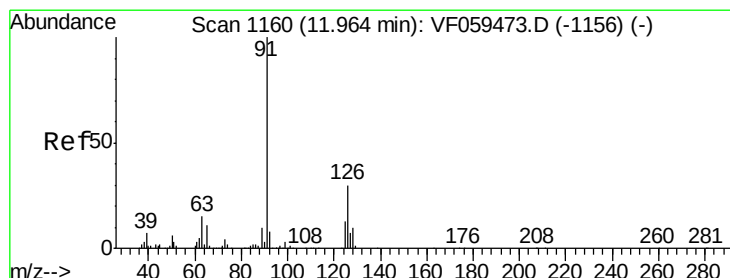
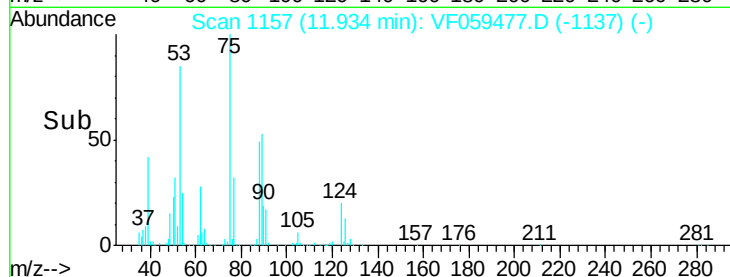
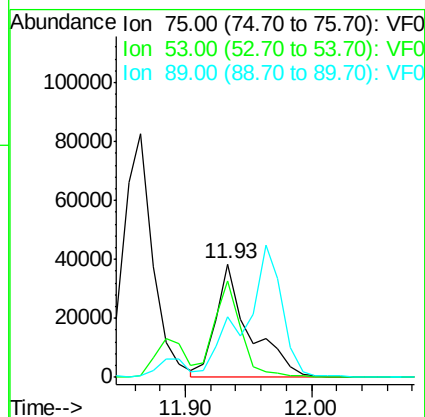
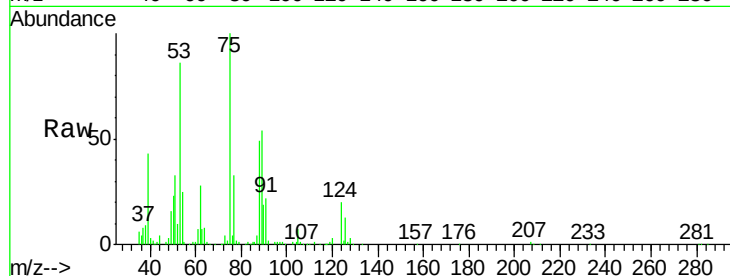
53 85.7 79.0 118.6

89 54.0 45.9 68.9

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#82

4-Chlorotoluene

Concen: 50.83 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF059477.D

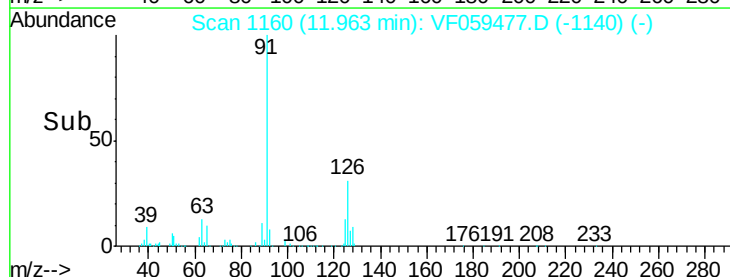
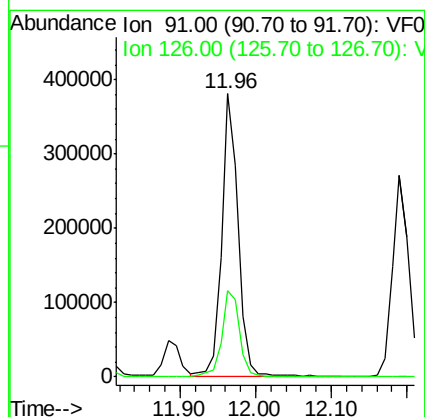
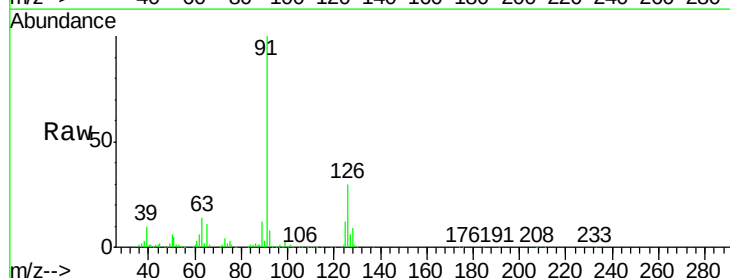
Acq: 7 Jul 2018 5:44

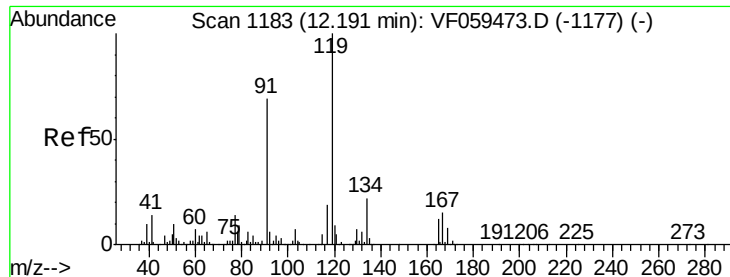
Tgt Ion: 91 Resp: 575883

Ion Ratio Lower Upper

91 100

126 30.5 14.9 44.5





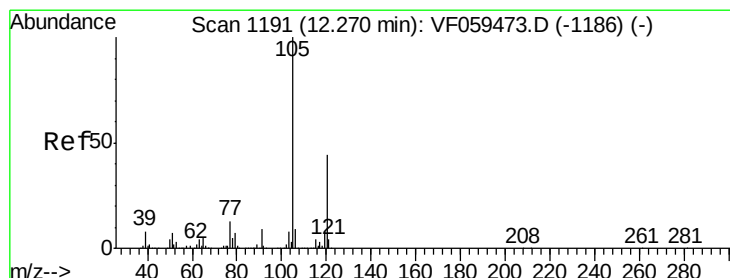
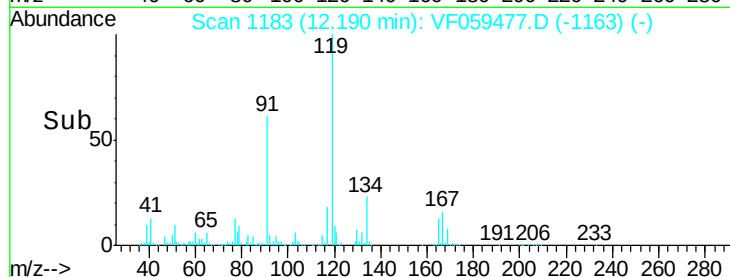
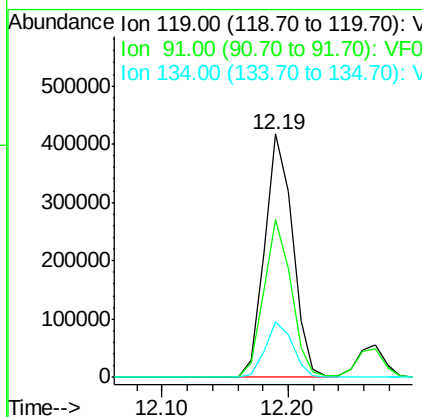
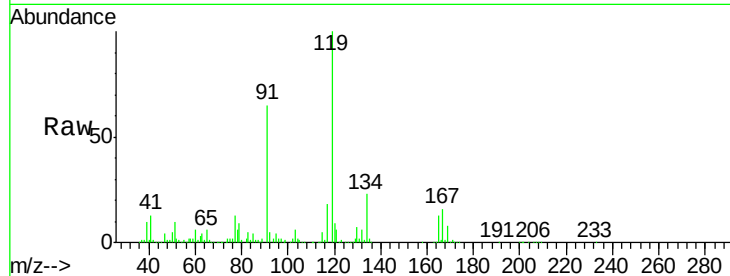
#83
 tert-Butylbenzene
 Concen: 52.44 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF070718

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	34.4	103.3
134	22.7	10.8	32.4

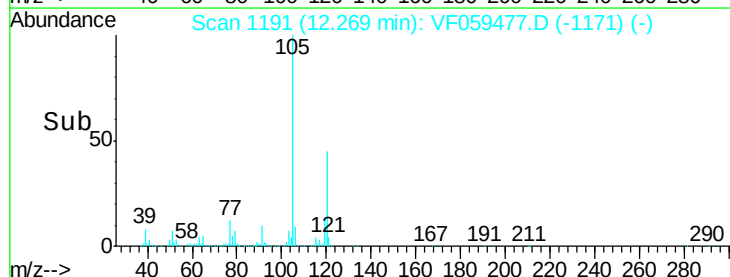
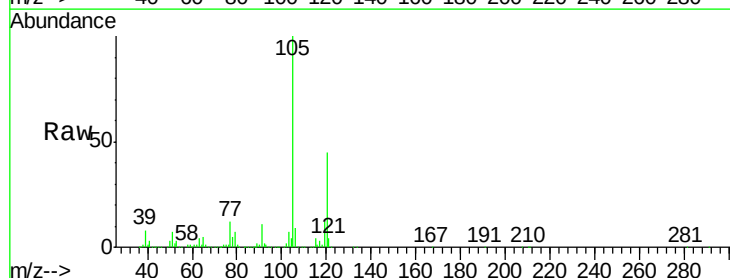
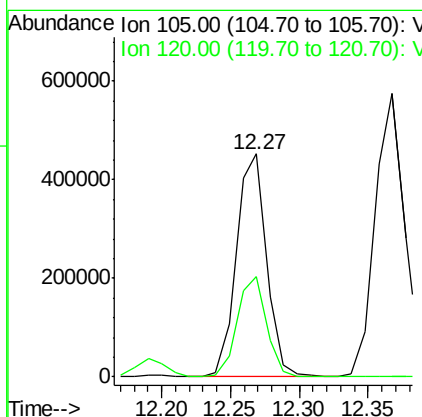
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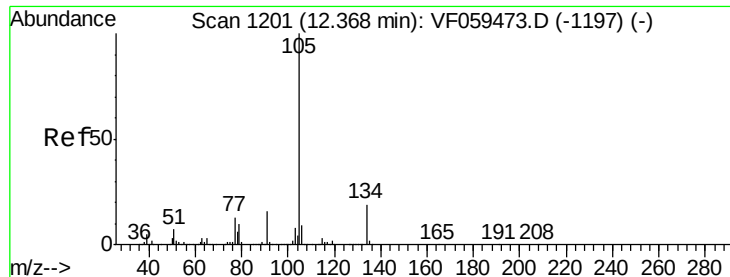
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.49 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.1	66.1





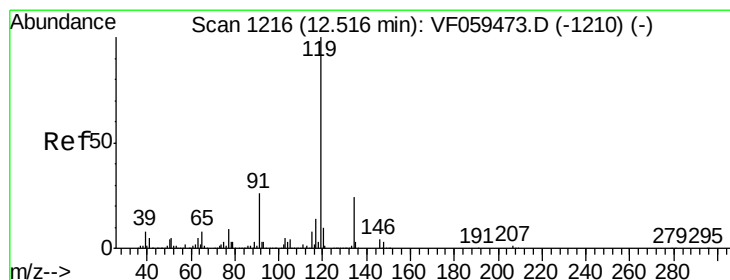
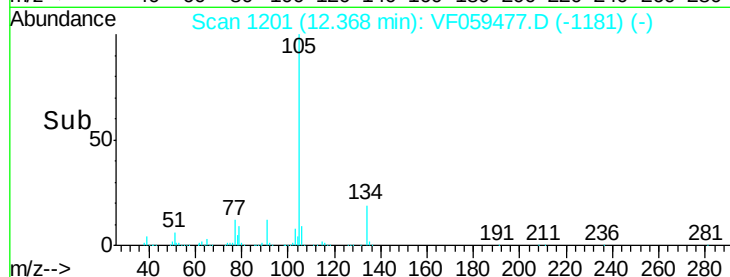
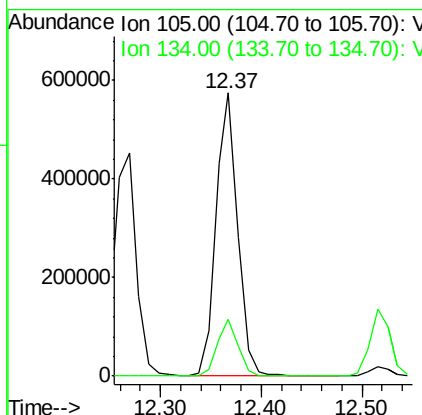
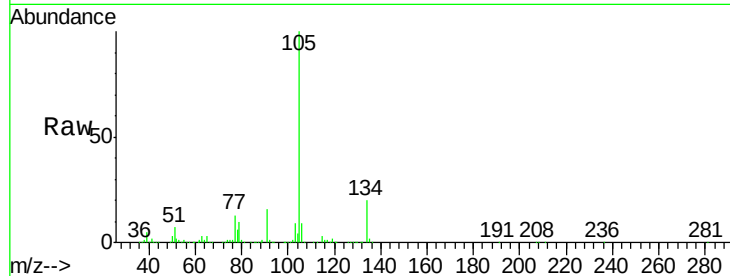
#85
 sec-Butylbenzene
 Concen: 51.22 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF070718

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.6	28.6

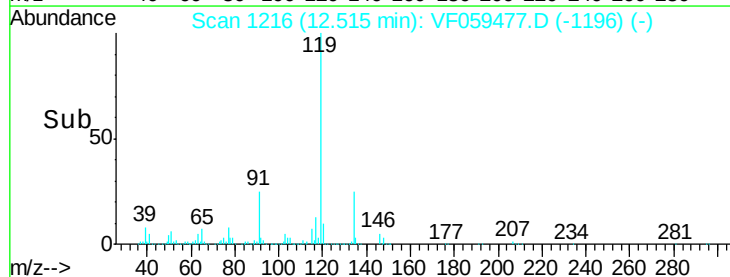
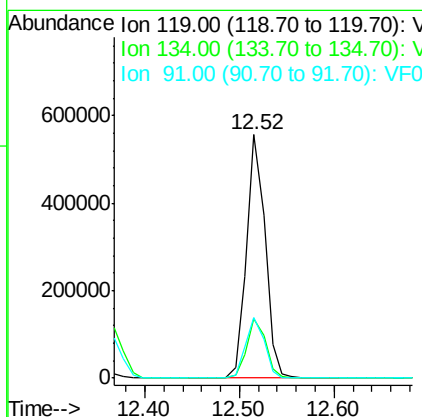
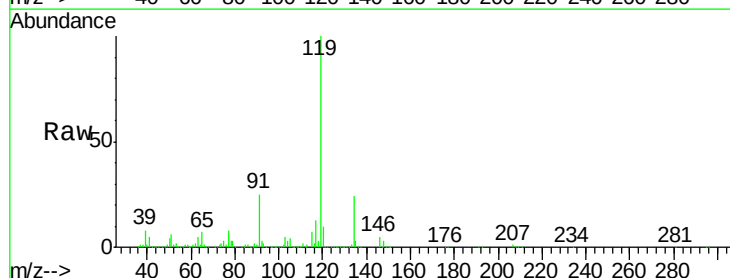
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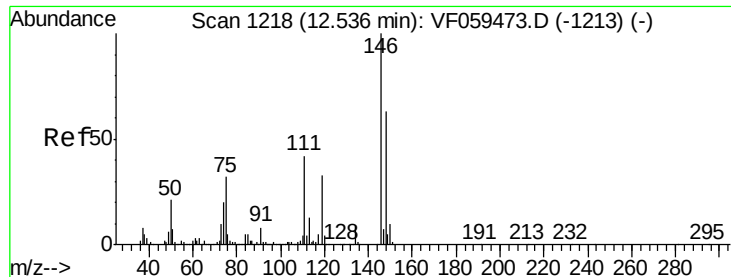
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#86
 p-Isopropyltoluene
 Concen: 53.09 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.2	36.4
91	24.9	13.1	39.3





#87

1,3-Dichlorobenzene

Concen: 48.31 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

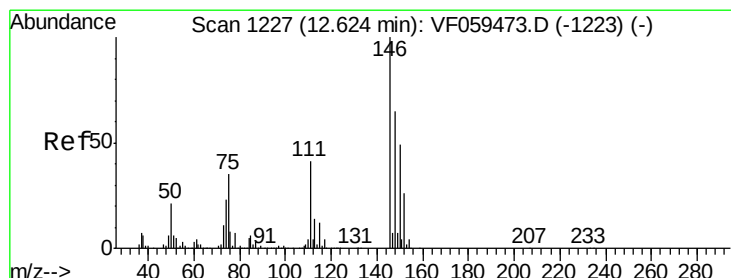
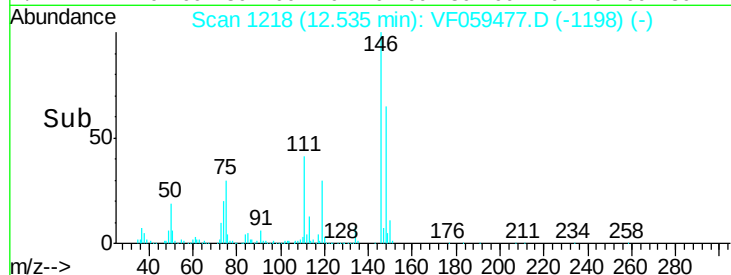
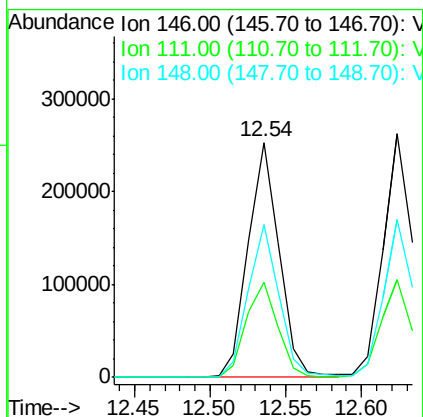
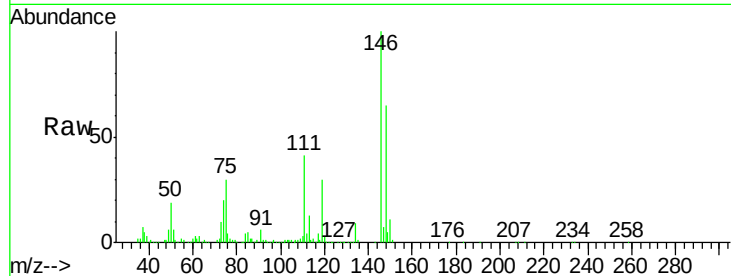
ClientSampleId :

ICVVF070718

Tot Ion:	146	Resp:	364391
Ion Ratio	Lower	Upper	
146	100		
111	40.7	21.0	63.0
148	65.0	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 49.30 ug/l

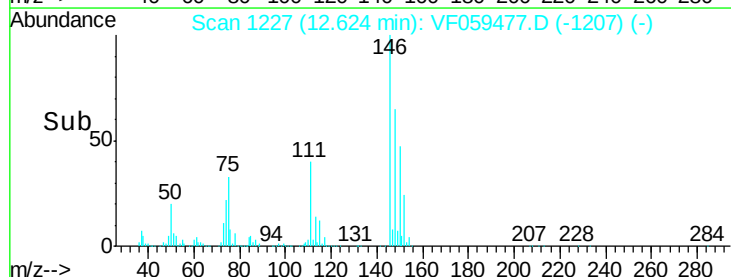
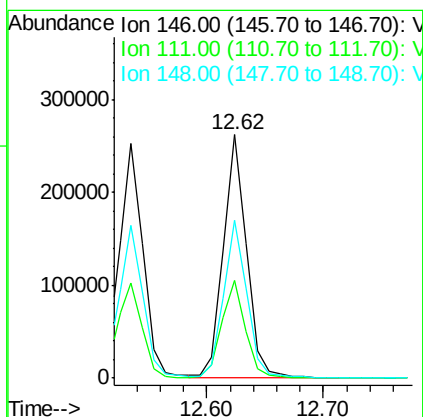
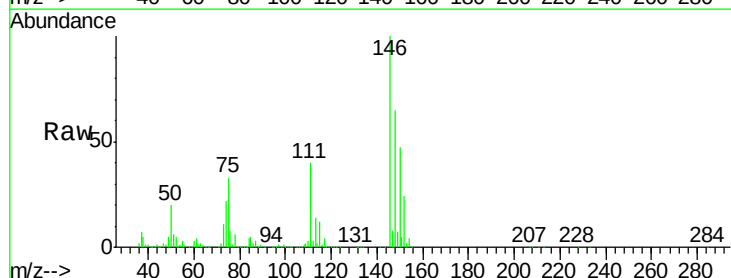
RT: 12.62 min Scan# 1227

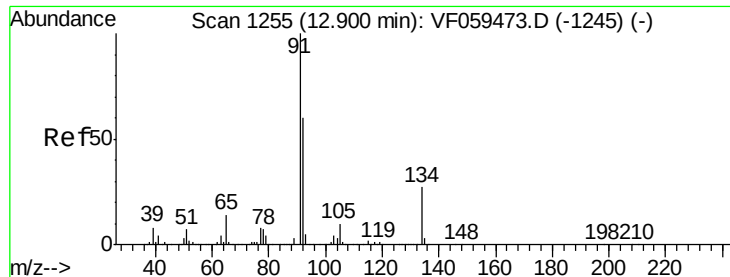
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	146	Resp:	362063
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.8	62.2
148	64.6	32.6	97.8





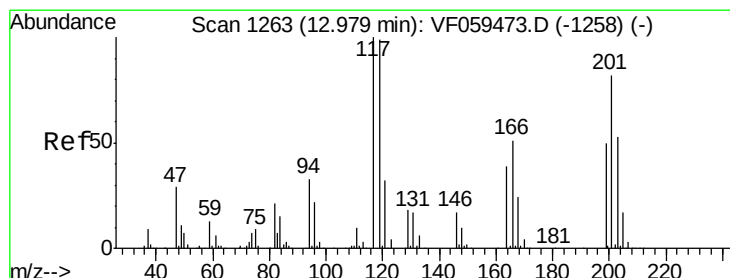
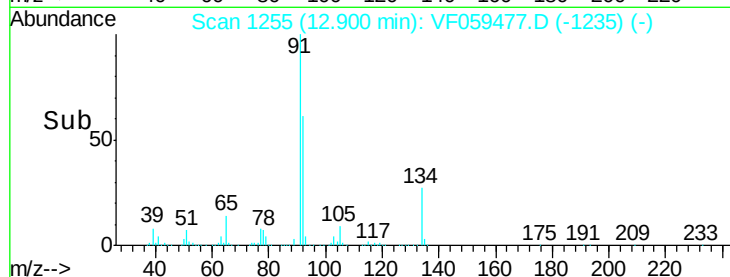
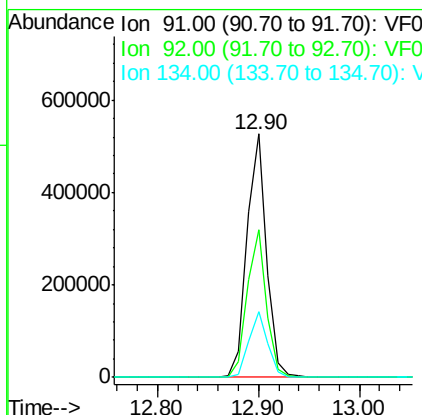
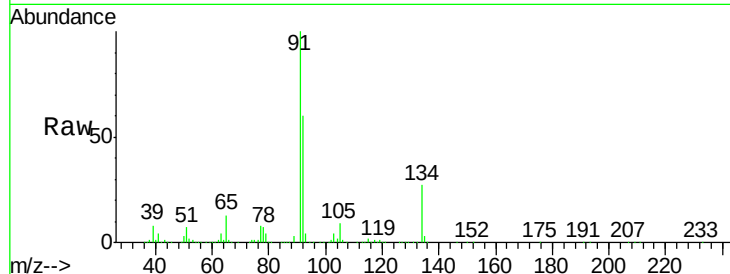
#89
n-Butylbenzene
Concen: 51.30 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Instrument :
MSVOA_F
ClientSampleId :
ICVVF070718

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.5	30.0	90.1
134	27.1	13.3	39.9

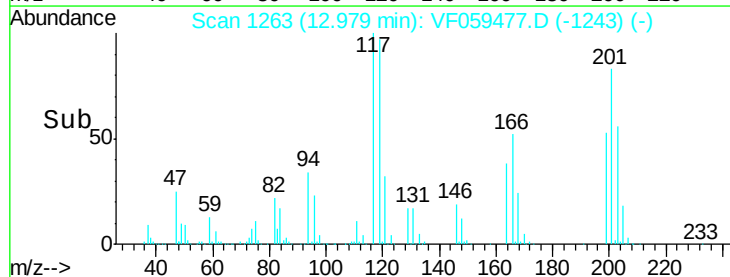
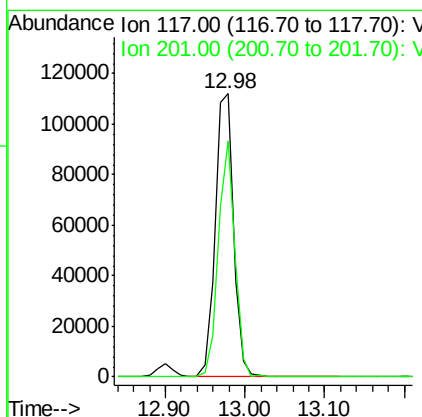
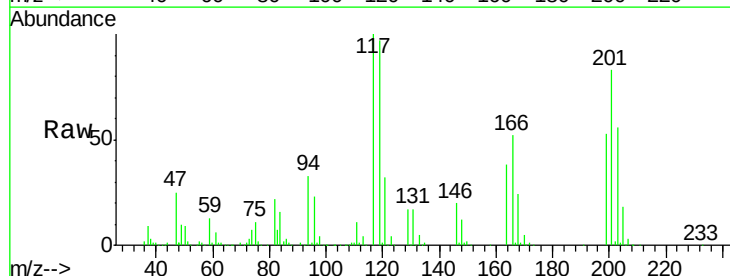
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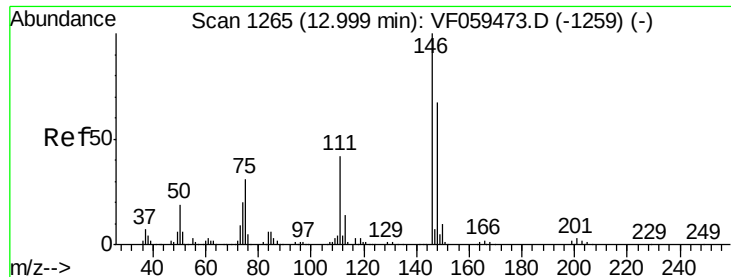
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#90
Hexachloroethane
Concen: 49.36 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF059477.D
Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	40.6	121.8





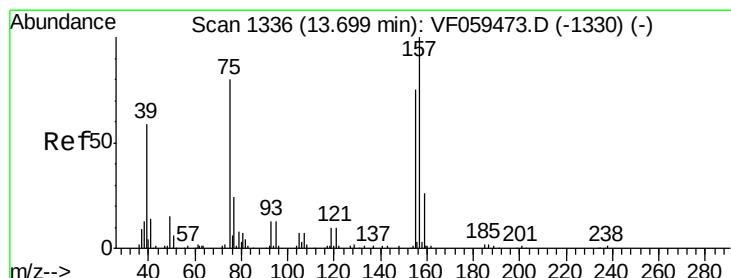
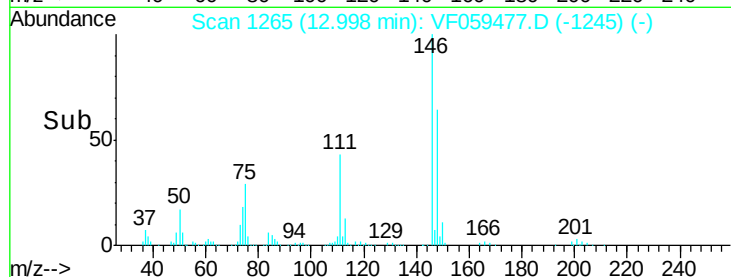
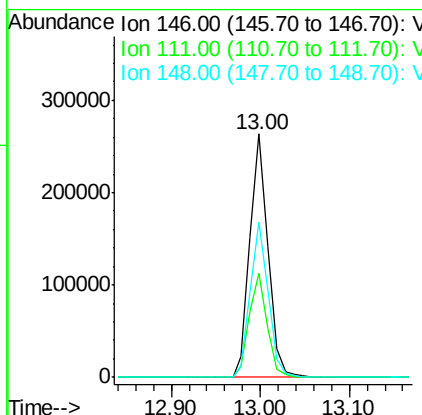
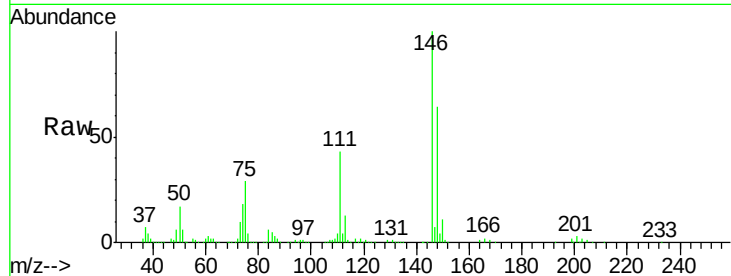
#91
 1,2-Dichlorobenzene
 Concen: 49.12 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV070718

Tot Ion	Ratio	Resp	Lower	Upper
146	100	367416		
111	42.7	21.2	63.6	
148	63.6	33.3	99.9	

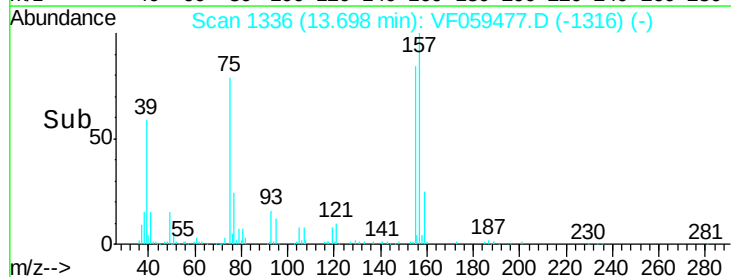
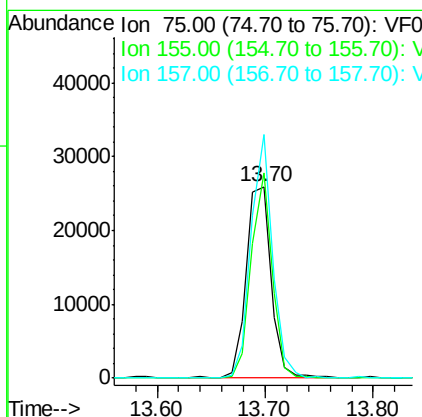
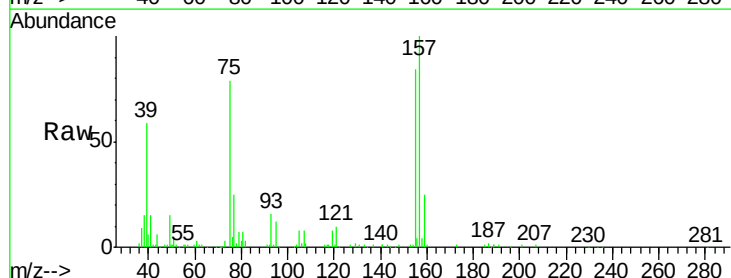
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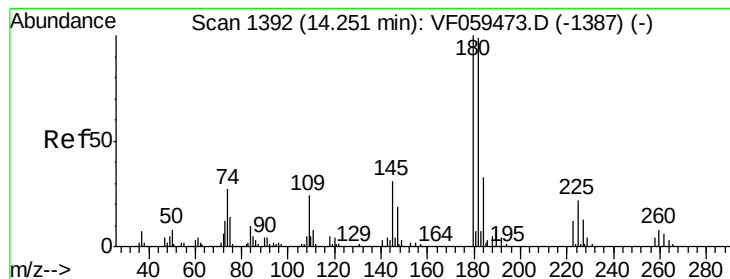
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.93 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VF059477.D
 Acq: 7 Jul 2018 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41709		
155	107.0	47.3	141.8	
157	127.2	62.6	187.8	





#93

1,2,4-Trichlorobenzene

Concen: 52.19 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

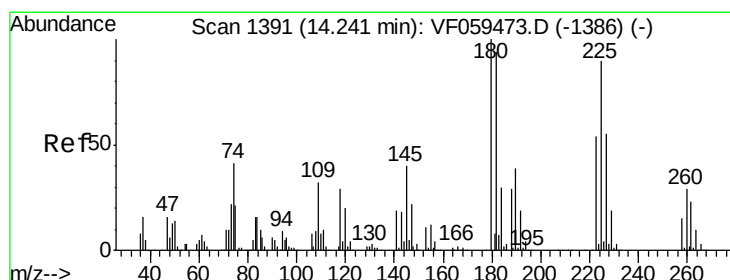
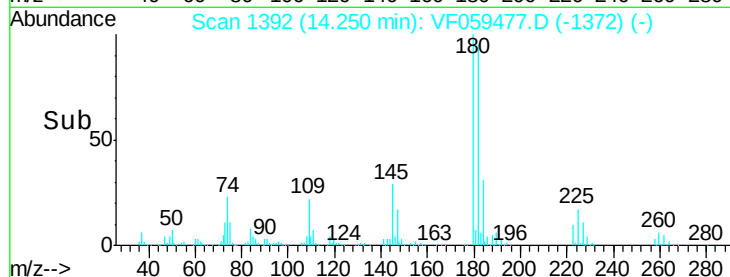
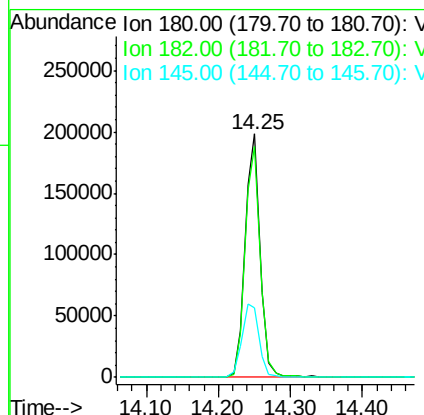
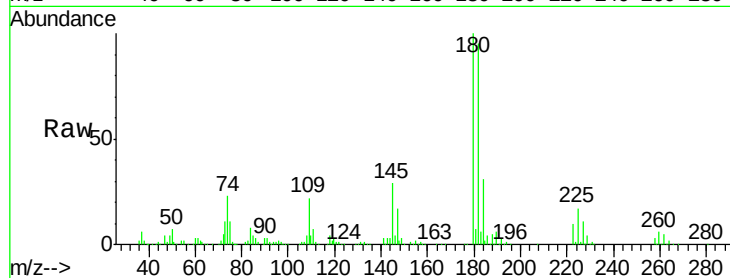
ClientSampleId :

ICVVF070718

Tot Ion:	180	Resp:	289989
Ion Ratio	Lower	Upper	
180	100		
182	94.5	49.5	148.7
145	28.6	15.4	46.2

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 51.29 ug/l

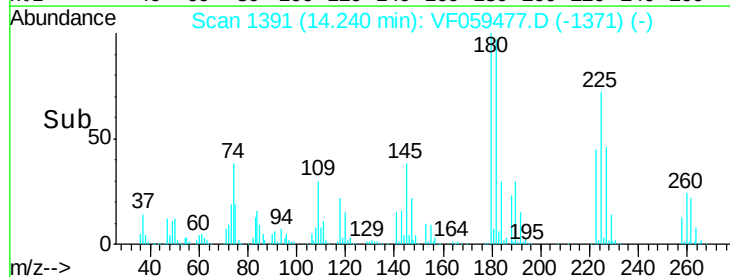
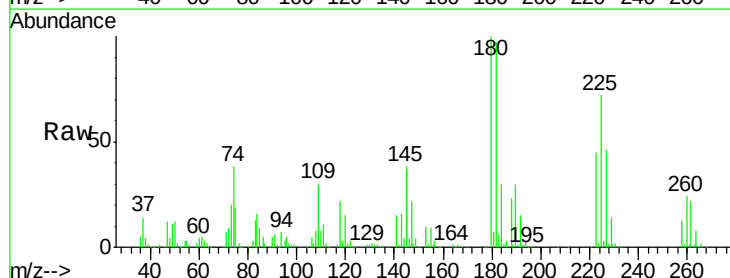
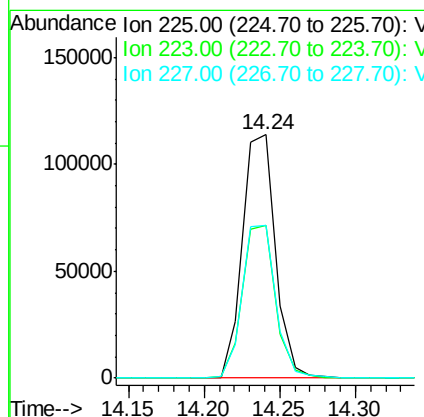
RT: 14.24 min Scan# 1391

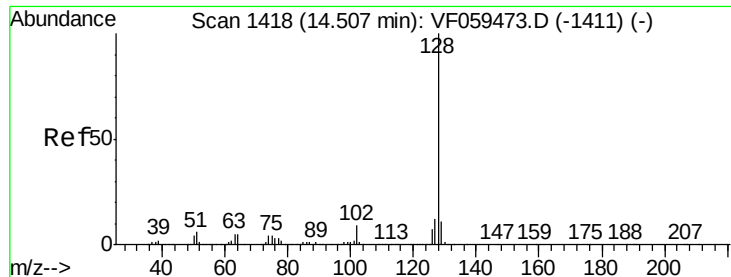
Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	225	Resp:	172650
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.1	90.5
227	62.9	30.8	92.4





#95

Naphthalene

Concen: 57.79 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Instrument :

MSVOA_F

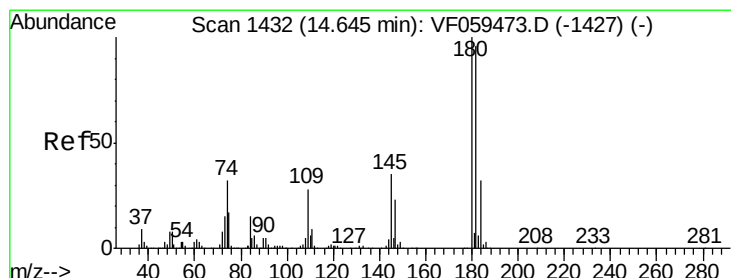
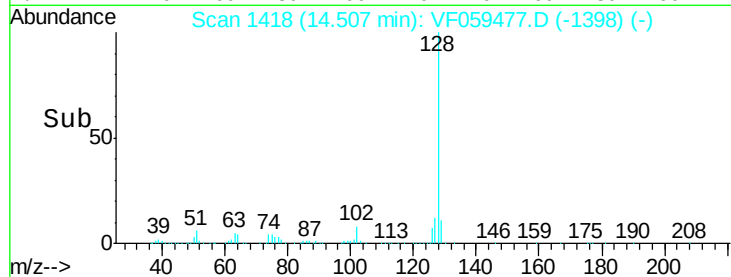
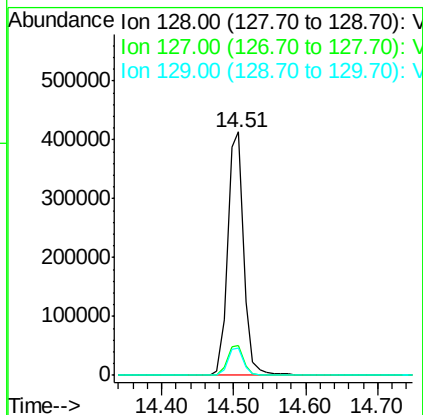
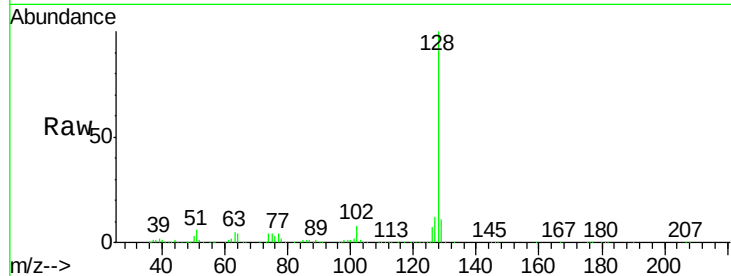
ClientSampleId :

ICVVF070718

Tot Ion:	128	Resp:	638105
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.9	14.9
129	11.1	9.0	13.6

Manual Integrations
APPROVED

apatel
7/9/2018 9:34:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.16 ug/l

RT: 14.64 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VF059477.D

Acq: 7 Jul 2018 5:44

Tgt Ion:	180	Resp:	286516
Ion Ratio	Lower	Upper	
180	100		
182	101.1	47.9	143.7
145	34.3	17.5	52.5

