

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060497.D
 Acq On : 9 Oct 2018 18:36
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:06 PM

Quant Time: Oct 10 02:34:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	287353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	457062	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	410969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	212529	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	199590	45.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.60%	
35) Dibromofluoromethane	4.26	113	213230	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
50) Toluene-d8	7.68	98	530678	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.49	95	220943	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	255383	50.514	ug/l	98
3) Chloromethane	1.14	50	165086	47.258	ug/l	90
4) Vinyl Chloride	1.18	62	177587	46.868	ug/l	91
5) Bromomethane	1.37	94	147614	49.537	ug/l	91
6) Chloroethane	1.42	64	99234	49.543	ug/l	94
7) Trichlorofluoromethane	1.54	101	399197m	47.003	ug/l	
8) Diethyl Ether	1.69	74	61295	50.438	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.88	101	199268	46.903	ug/l	95
10) Methyl Iodide	1.96	142	322274	47.845	ug/l	92
11) Tert butyl alcohol	2.67	59	59119	258.903	ug/l #	93
12) 1,1-Dichloroethene	1.85	96	160150	45.128	ug/l	96
13) Acrolein	2.07	56	29332	280.693	ug/l	93
14) Allyl chloride	2.17	41	288383	55.129	ug/l	89
15) Acrylonitrile	3.05	53	112555	234.137	ug/l	93
16) Acetone	2.32	43	188352	243.405	ug/l	94
17) Carbon Disulfide	1.91	76	464525	47.069	ug/l	94
18) Methyl Acetate	2.44	43	89650	54.893	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	396102	49.584	ug/l	98
20) Methylene Chloride	2.26	84	160567m	48.438	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	166332	50.216	ug/l	90
22) Diisopropyl ether	2.90	45	550275	51.174	ug/l	98
23) Vinyl Acetate	3.31	43	944458	250.905	ug/l	99
24) 1,1-Dichloroethane	2.98	63	353823	49.032	ug/l	100
25) 2-Butanone	4.48	43	243649	234.397	ug/l	95
26) 2,2-Dichloropropane	3.73	77	165208	43.909	ug/l	97
27) cis-1,2-Dichloroethene	3.60	96	197658	51.121	ug/l	98
28) Bromochloromethane	3.86	49	114577	45.713	ug/l #	93
29) Tetrahydrofuran	4.22	42	104821	239.216	ug/l	96
30) Chloroform	4.01	83	397924	47.651	ug/l	98
31) Cyclohexane	3.83	56	228122	49.415	ug/l	97
32) 1,1,1-Trichloroethane	4.24	97	316338	48.085	ug/l	94
36) 1,1-Dichloropropene	4.43	75	266258	50.082	ug/l	95
37) Ethyl Acetate	4.26	43	94068	50.092	ug/l #	78
38) Carbon Tetrachloride	4.13	117	272807m	51.084	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	252358	50.414	ug/l	97
40) Benzene	4.78	78	580329	53.165	ug/l	98
41) Methacrylonitrile	4.89	41	53323	49.976	ug/l	98
42) 1,2-Dichloroethane	5.09	62	240000	48.465	ug/l	99
43) Isopropyl Acetate	7.08	43	122326	52.265	ug/l #	90
44) Trichloroethene	5.64	130	183899	54.081	ug/l	90
45) 1,2-Dichloropropane	6.37	63	145885	54.596	ug/l	89
46) Dibromomethane	6.22	93	104145	48.589	ug/l	99
47) Bromodichloromethane	6.52	83	281721	52.042	ug/l	97
48) Methyl methacrylate	6.85	41	79972	50.441	ug/l	97
49) 1,4-Dioxane	6.83	88	14786	1055.108	ug/l #	88
51) 4-Methyl-2-Pentanone	8.37	43	427100	261.591	ug/l	100
52) Toluene	7.75	92	337808	49.138	ug/l	96
53) t-1,3-Dichloropropene	8.40	75	211043	50.197	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	259532	53.002	ug/l	100
55) 1,1,2-Trichloroethane	8.61	97	105035	49.714	ug/l	95
56) Ethyl methacrylate	8.74	69	129678	53.048	ug/l	92
57) 1,3-Dichloropropane	8.97	76	186032	51.135	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	59676	240.230	ug/l	100
59) 2-Hexanone	9.61	43	326929	276.825	ug/l	93
60) Dibromochloromethane	8.84	129	170823	51.507	ug/l	99
61) 1,2-Dibromoethane	9.11	107	123240	51.625	ug/l	97
64) Tetrachloroethene	8.27	164	160933	49.407	ug/l	91
65) Chlorobenzene	9.91	112	404485	50.679	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	175012	48.681	ug/l	98
67) Ethyl Benzene	10.01	91	773762	51.386	ug/l	98
68) m/p-Xylenes	10.25	106	527543	102.629	ug/l	97
69) o-Xylene	10.81	106	275967	49.367	ug/l	100
70) Styrene	10.88	104	409278	50.864	ug/l	97
71) Bromoform	10.87	173	90762	49.796	ug/l #	99
73) Isopropylbenzene	11.21	105	864832	54.744	ug/l	96
74) N-amyl acetate	11.45	43	205166	59.666	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	142032	53.490	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	102574	49.970	ug/l	83
77) Bromobenzene	11.58	156	178993	50.984	ug/l	88
78) n-propylbenzene	11.67	91	985121	52.358	ug/l	97
79) 2-Chlorotoluene	11.79	91	566733	51.451	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	685876	51.752	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	49327m	55.115	ug/l	
82) 4-Chlorotoluene	11.97	91	576444	50.724	ug/l	100
83) tert-Butylbenzene	12.20	119	689437	51.747	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	683530	50.799	ug/l	98
85) sec-Butylbenzene	12.37	105	930411	51.491	ug/l	100
86) p-Isopropyltoluene	12.52	119	761646	51.345	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	333663	49.896	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	337337	52.017	ug/l	92
89) n-Butylbenzene	12.91	91	818760	52.748	ug/l	98
90) Hexachloroethane	12.98	117	189844	53.521	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	327722	50.909	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	28115	49.886	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	248362	49.959	ug/l	97
94) Hexachlorobutadiene	14.24	225	173827	51.431	ug/l	97
95) Naphthalene	14.50	128	460031	53.831	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	237937	51.374	ug/l	98

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

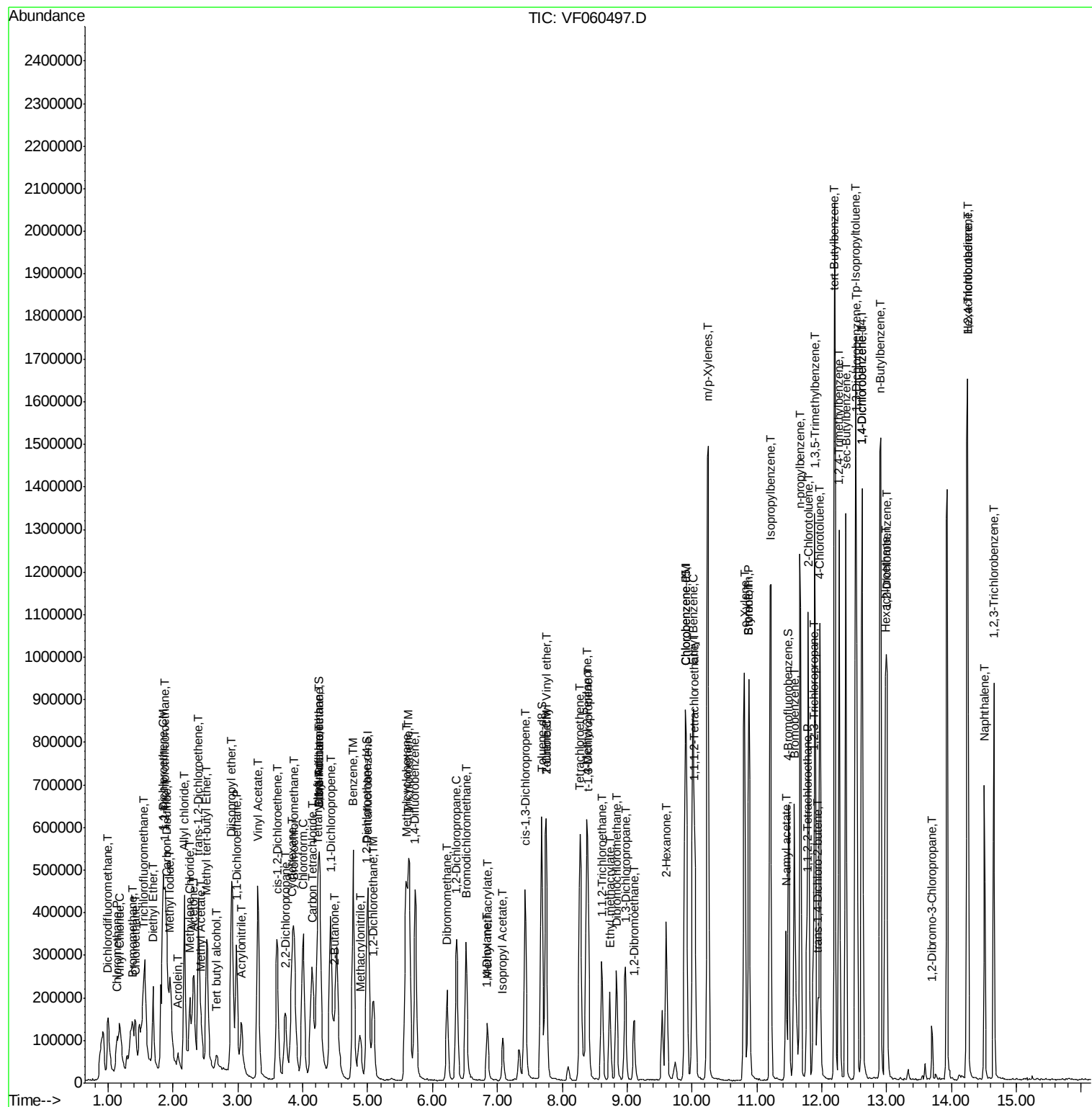
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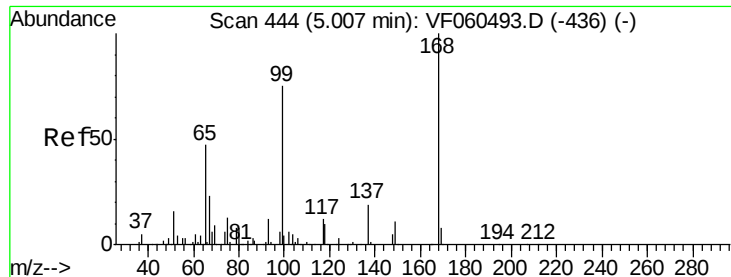
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion:168 Resp: 287353

Ion Ratio Lower Upper

168 100

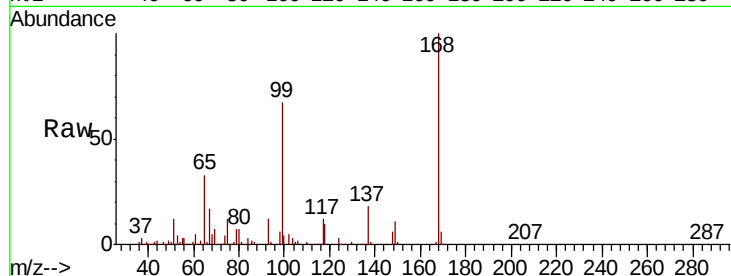
99 67.1 60.3 90.5

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

100000

80000

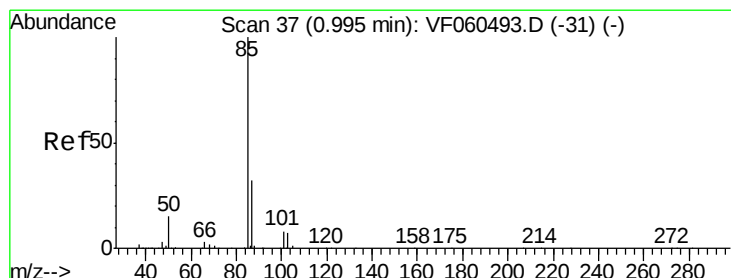
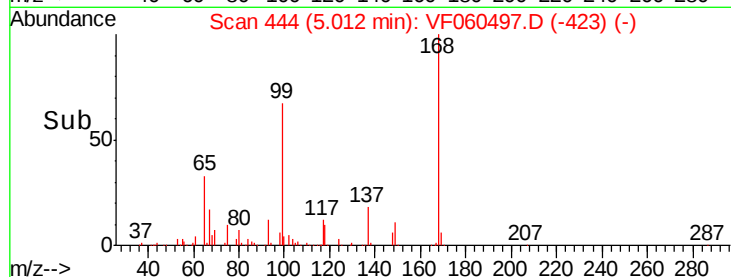
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 50.514 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060497.D

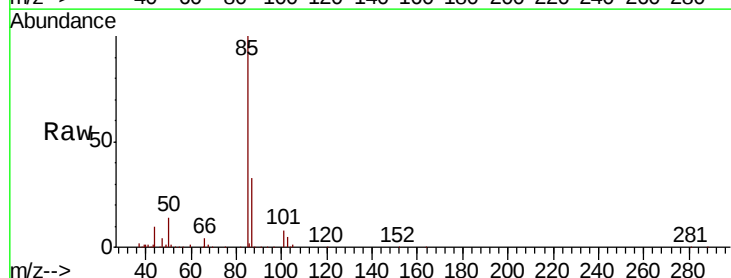
Acq: 9 Oct 2018 18:36

Tgt Ion: 85 Resp: 255383

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

80000

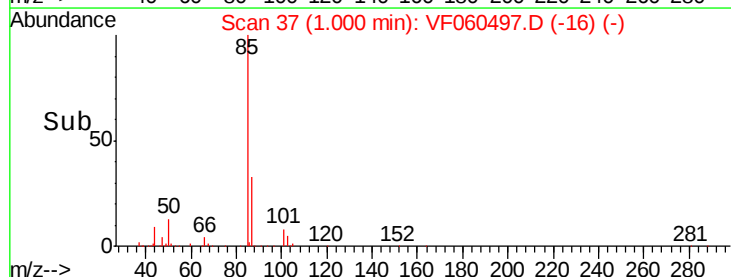
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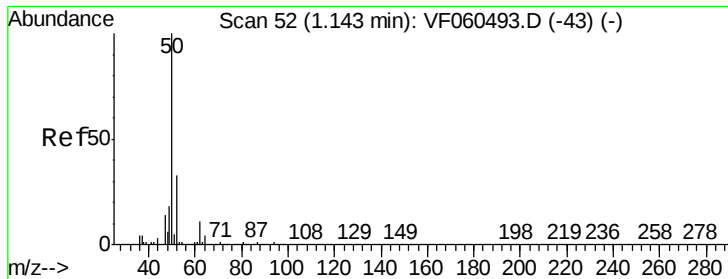
40000

20000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.258 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 50 Resp: 165086

Ion Ratio Lower Upper

50 100

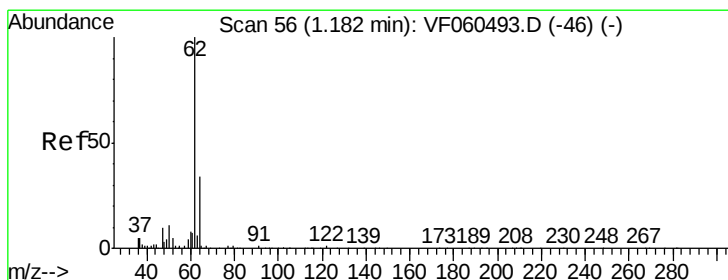
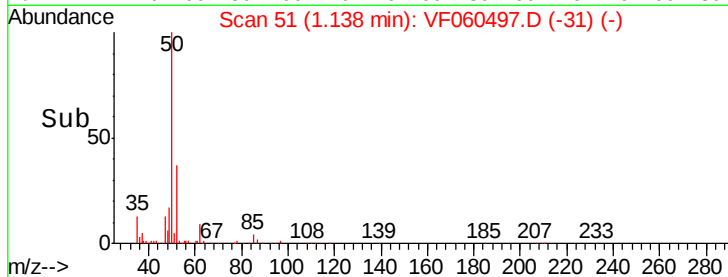
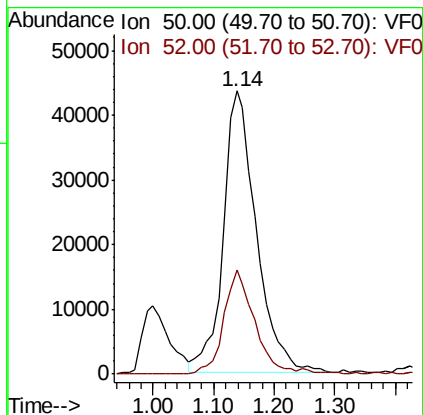
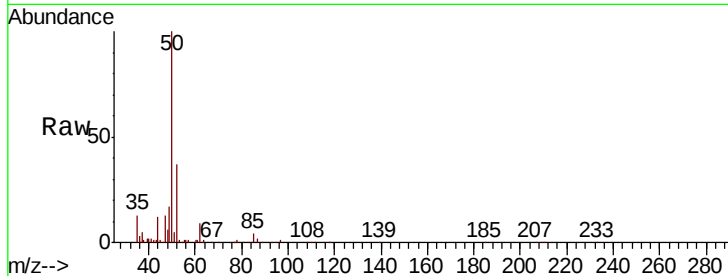
52 36.7 25.0 37.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.868 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060497.D

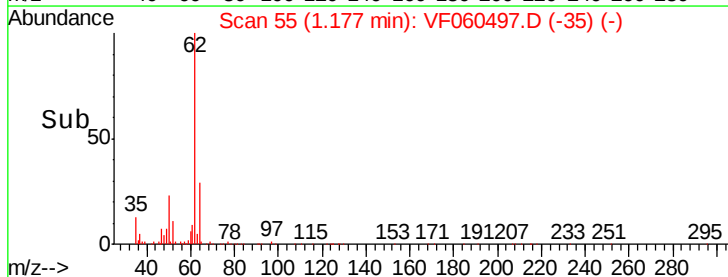
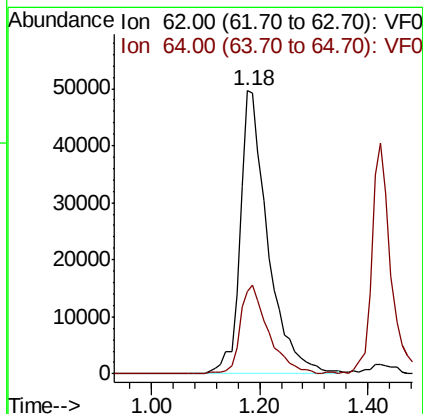
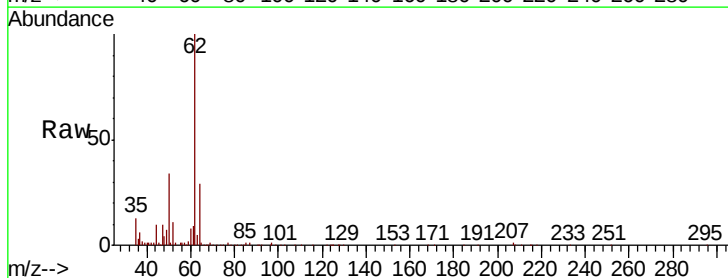
Acq: 9 Oct 2018 18:36

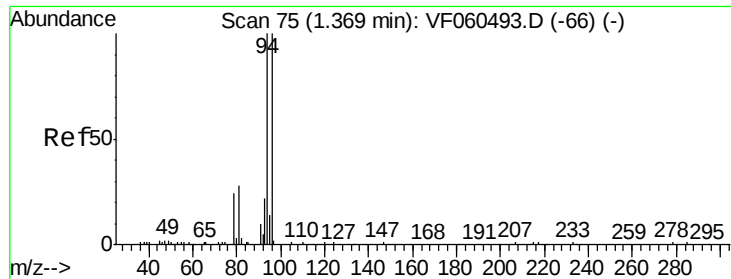
Tgt Ion: 62 Resp: 177587

Ion Ratio Lower Upper

62 100

64 29.3 27.5 41.3





#5

Bromomethane

Concen: 49.537 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 147614

Ion Ratio Lower Upper

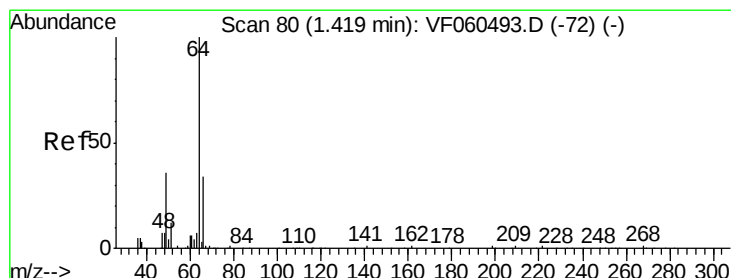
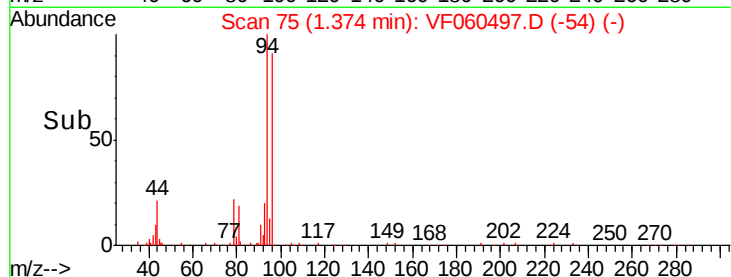
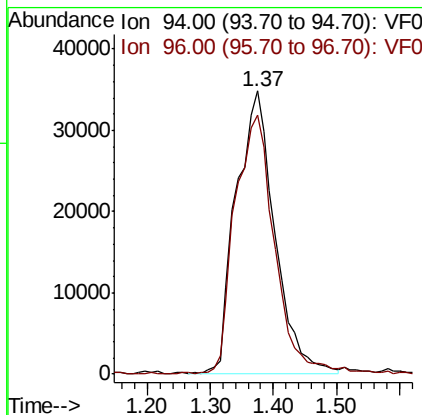
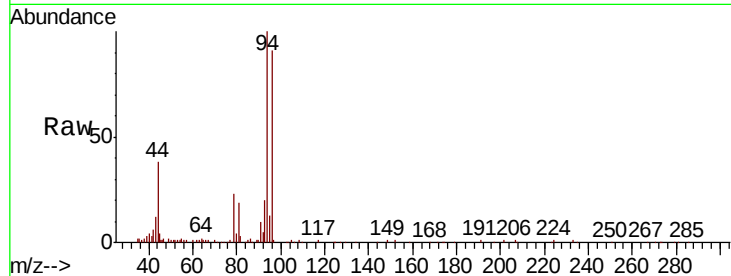
94 100

96 92.0 80.6 120.8

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#6

Chloroethane

Concen: 49.543 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060497.D

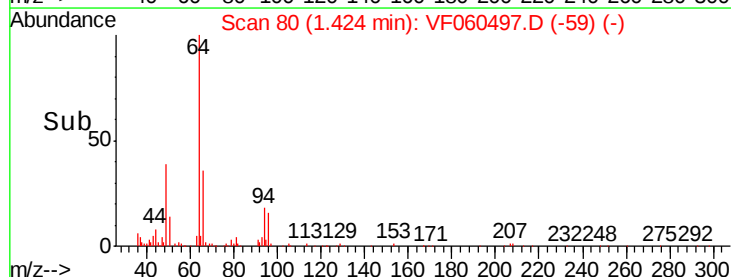
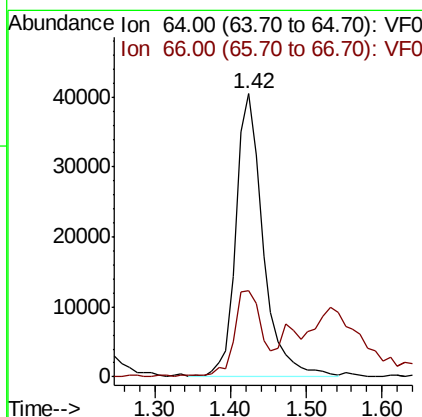
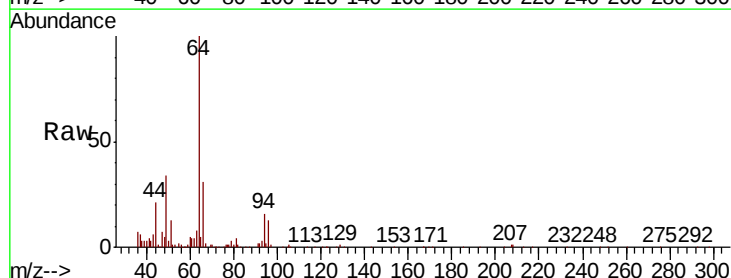
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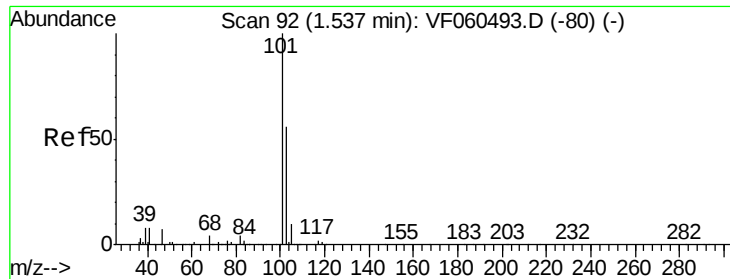
Tgt Ion: 64 Resp: 99234

Ion Ratio Lower Upper

64 100

66 30.6 27.0 40.6





#7

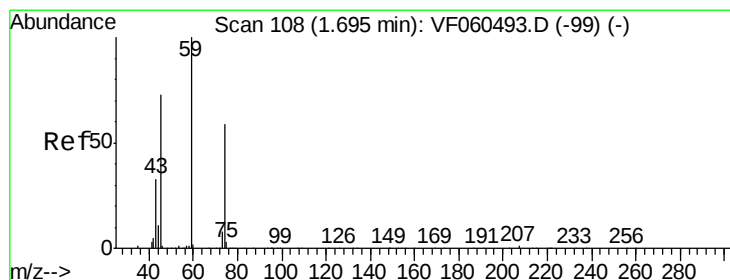
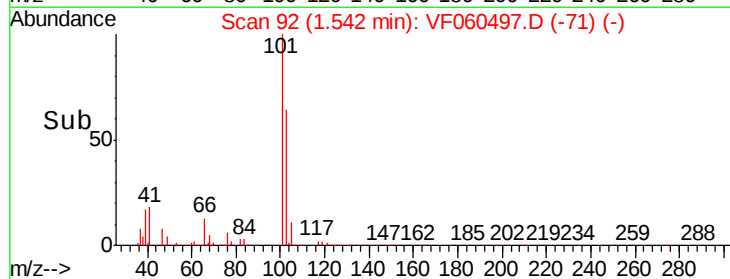
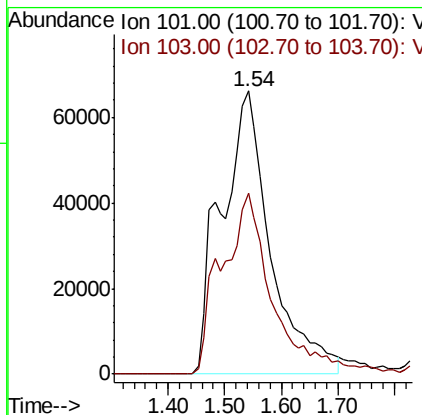
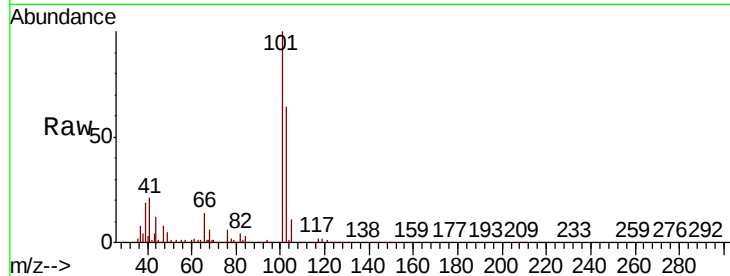
Trichlorofluoromethane
Concen: 47.003 ug/l m
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	44.6	66.8

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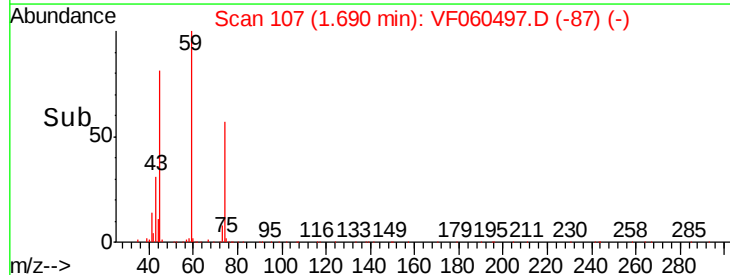
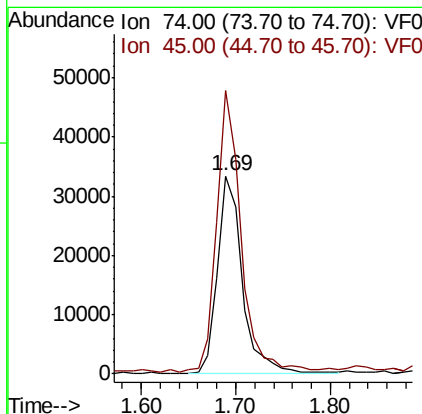
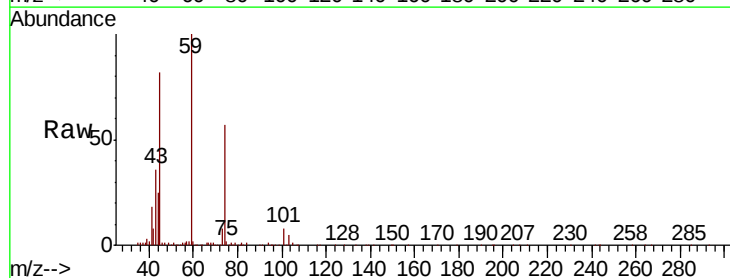
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10/10/2018 12:34:06 PM

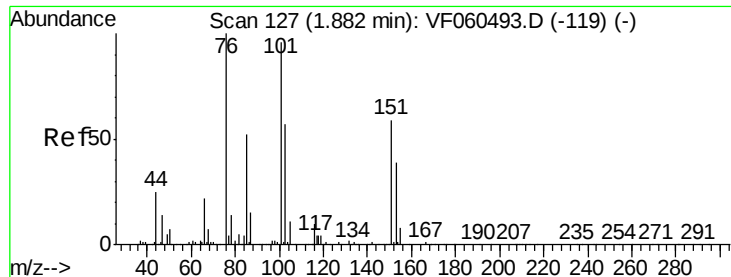


#8

Diethyl Ether
Concen: 50.438 ug/l
RT: 1.69 min Scan# 107
Delta R.T. -0.00 min
Lab File: VF060497.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	143.2	62.7	188.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.903 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

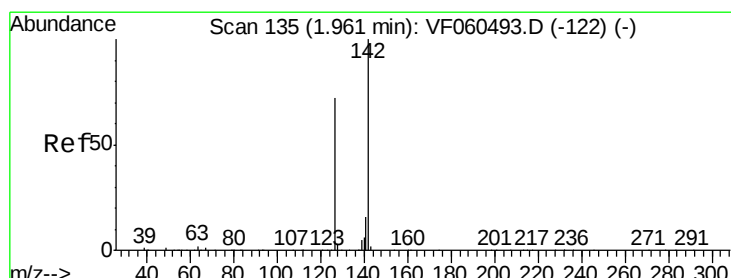
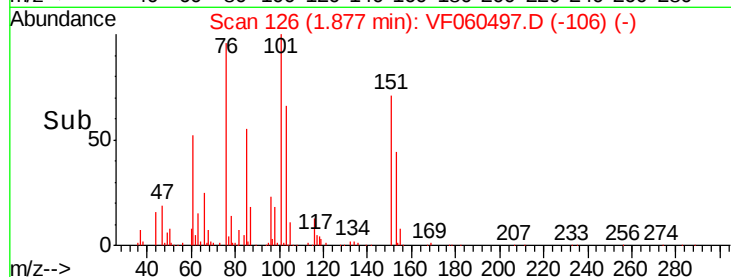
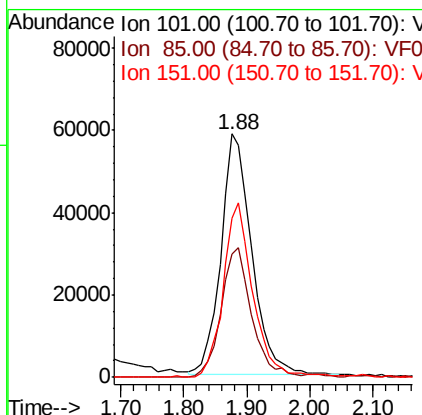
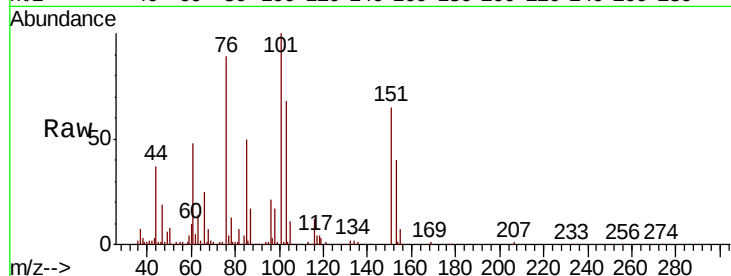
ClientSampleId :

ICVVF100918

Tot Ion:	101	Resp:	199268
Ion Ratio	Lower	Upper	
101	100		
85	50.4	41.8	62.6
151	65.2	47.4	71.0

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#10

Methyl Iodide

Concen: 47.845 ug/l

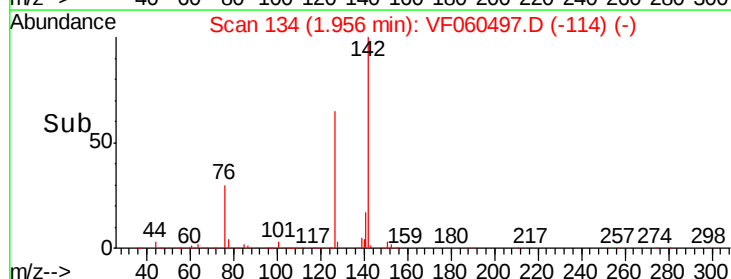
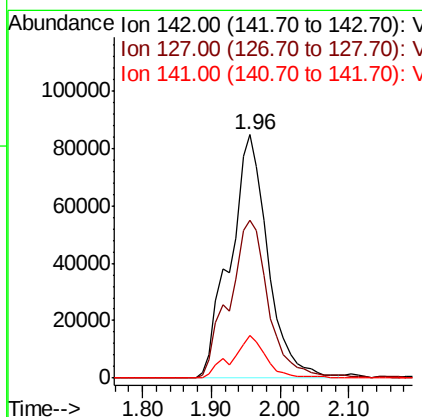
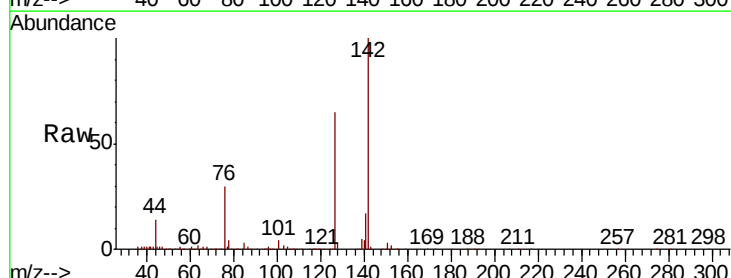
RT: 1.96 min Scan# 134

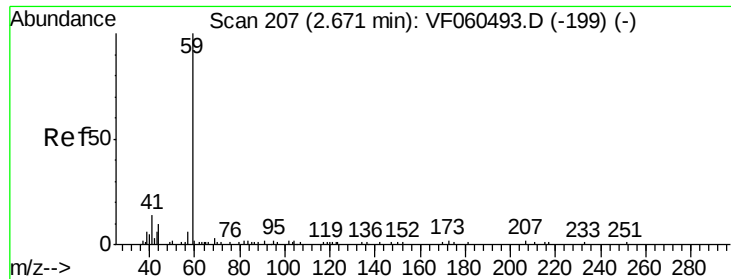
Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	142	Resp:	322274
Ion Ratio	Lower	Upper	
142	100		
127	65.0	57.9	86.9
141	17.4	12.7	19.1





#11

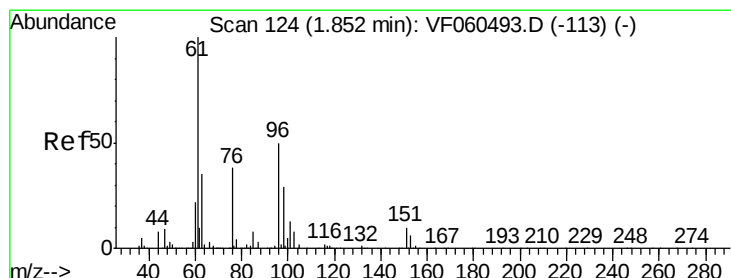
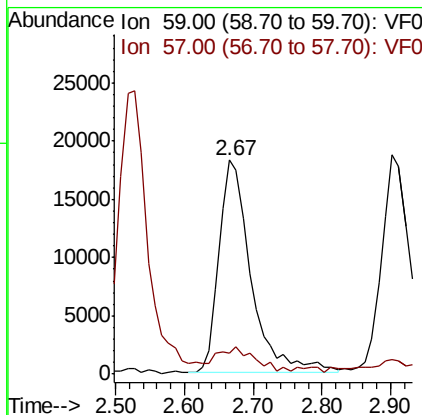
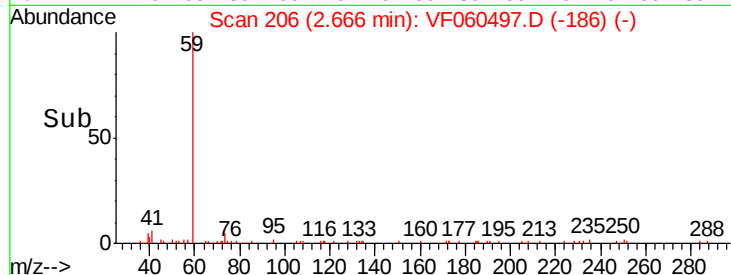
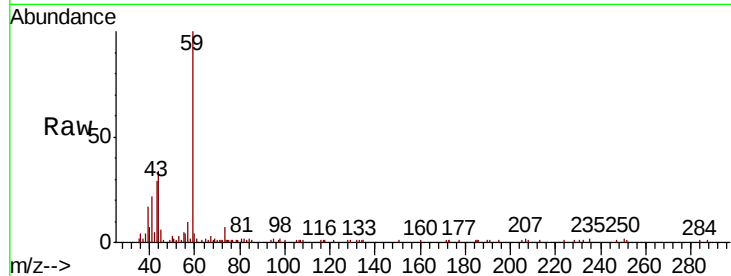
Tert butyl alcohol
Concen: 258.903 ug/l
RT: 2.67 min Scan# 206
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	10.2	15.2#

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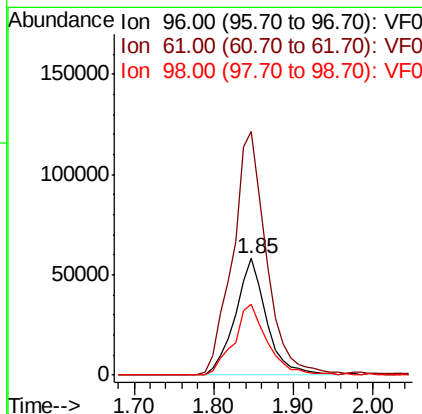
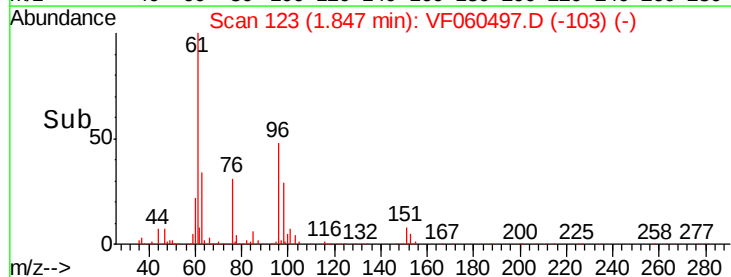
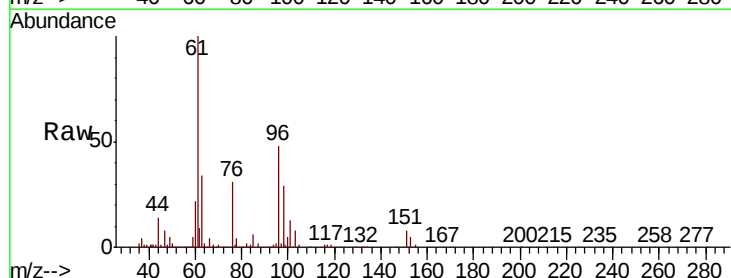
apatel
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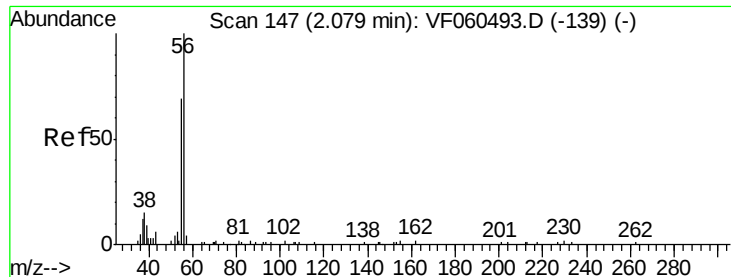


#12

1,1-Dichloroethene
Concen: 45.128 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	208.9	161.9	242.9
98	61.0	47.4	71.2





#13

Acrolein

Concen: 280.693 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 56 Resp: 29332

Ion Ratio Lower Upper

56 100

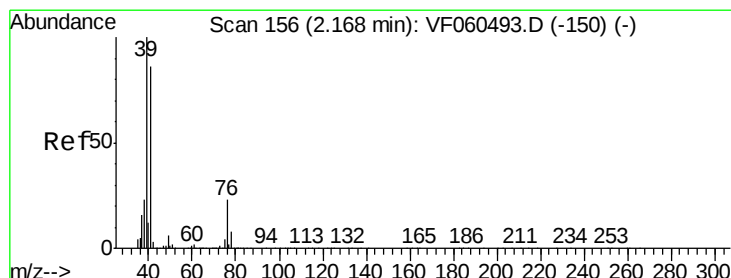
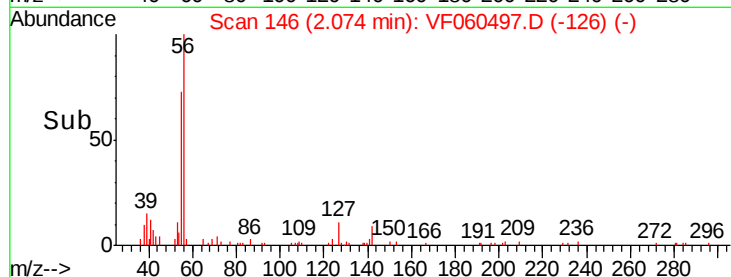
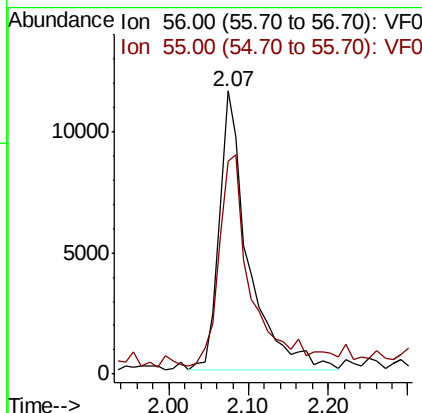
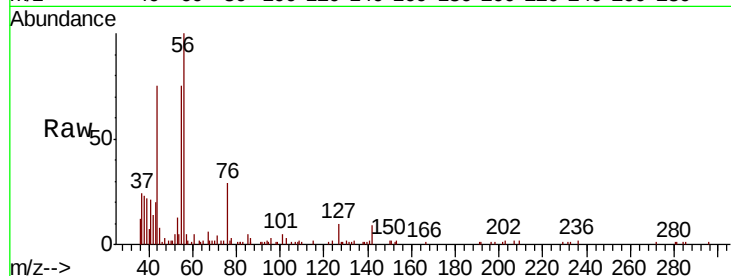
55 75.2 55.3 82.9

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#14

Allyl chloride

Concen: 55.129 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

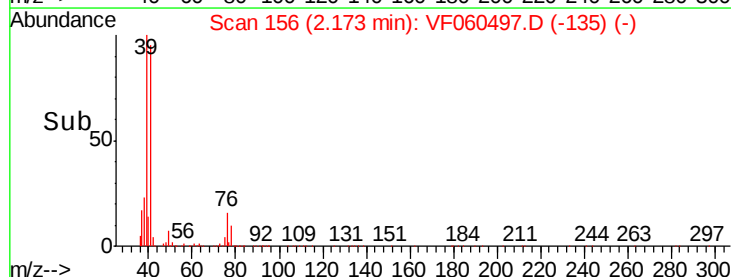
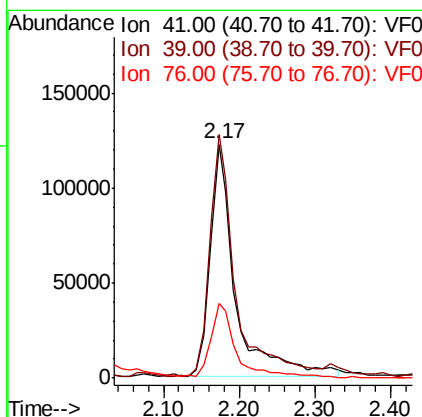
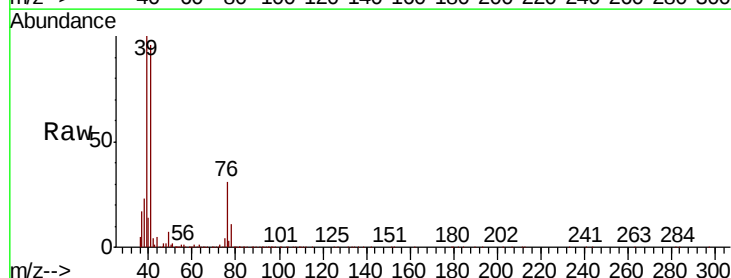
Tgt Ion: 41 Resp: 288383

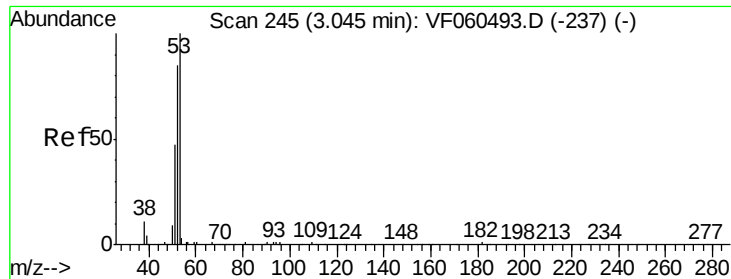
Ion Ratio Lower Upper

41 100

39 104.3 93.1 139.7

76 32.0 21.6 32.4





#15

Acrylonitrile

Concen: 234.137 ug/l

RT: 3.05 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

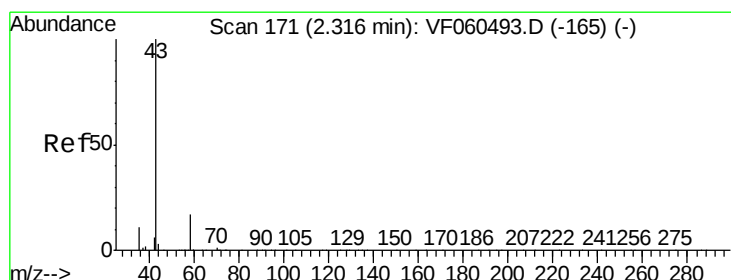
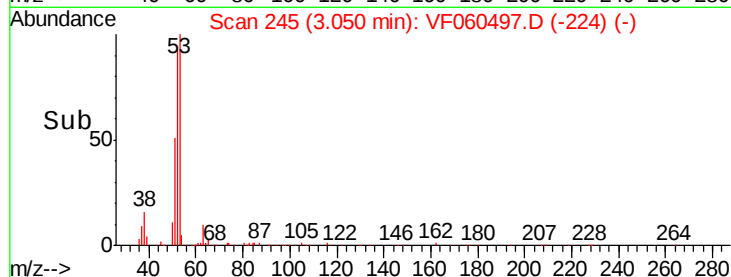
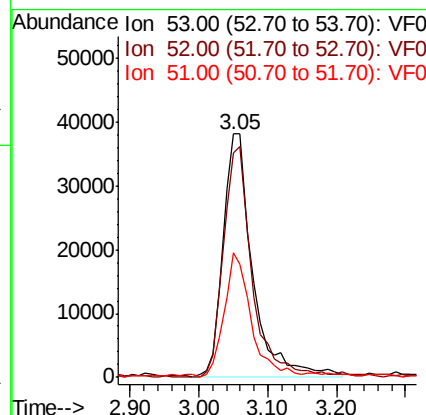
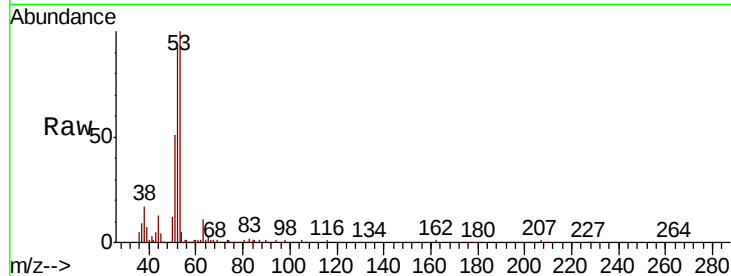
ClientSampleId :

ICVVF100918

Tot Ion:	53	Resp:	112555
Ion	Ratio	Lower	Upper
53	100		
52	92.2	67.5	101.3
51	51.0	38.2	57.4

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#16

Acetone

Concen: 243.405 ug/l

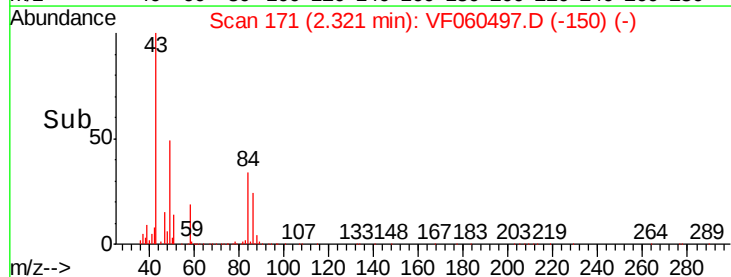
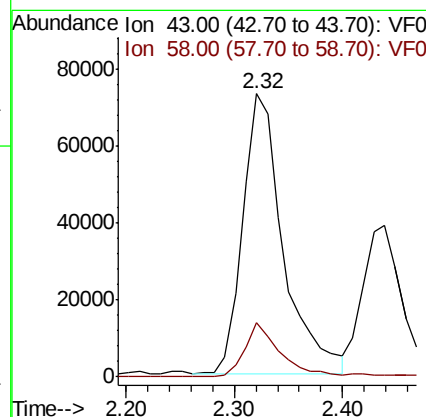
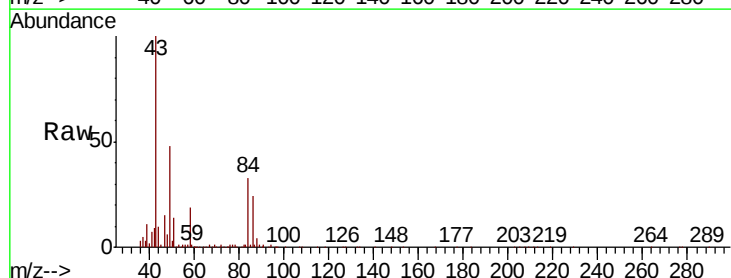
RT: 2.32 min Scan# 171

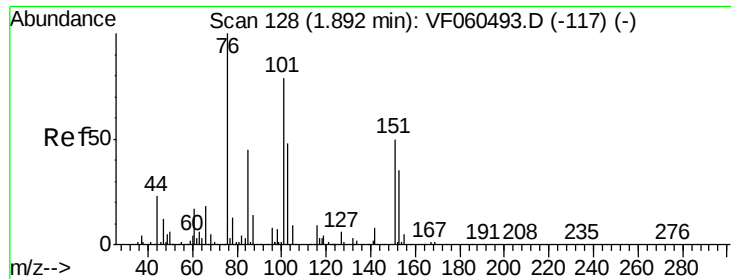
Delta R.T. 0.01 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	43	Resp:	188352
Ion	Ratio	Lower	Upper
43	100		
58	19.3	13.2	19.8





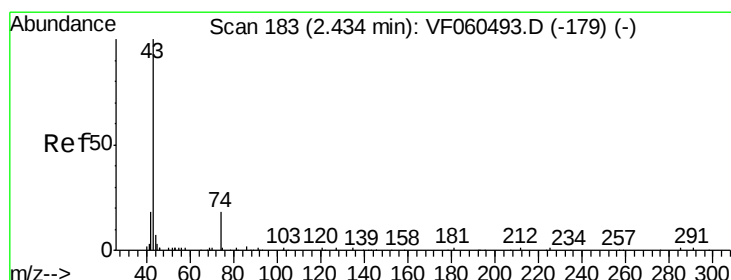
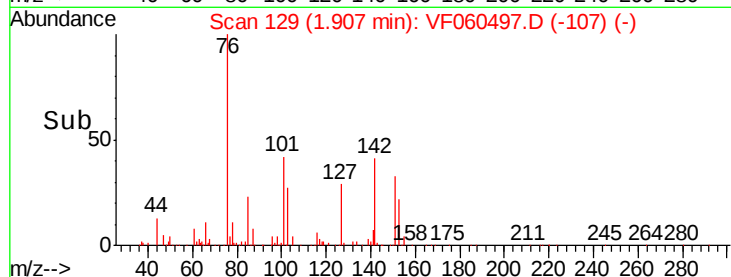
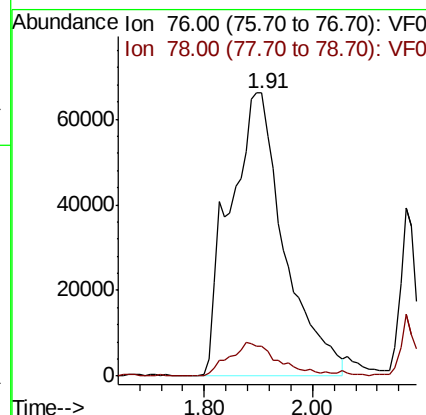
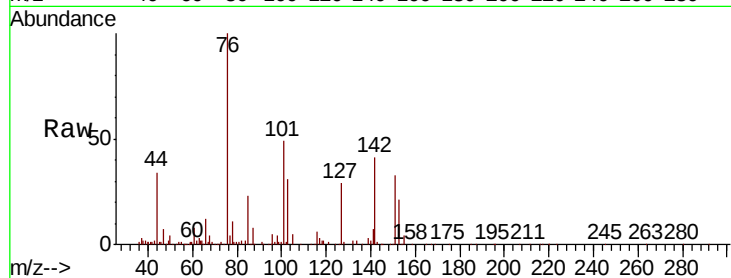
#17
Carbon Disulfide
Concen: 47.069 ug/l
RT: 1.91 min Scan# 129
Delta R.T. 0.01 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion: 76 Resp: 464525
Ion Ratio Lower Upper
76 100
78 10.8 10.5 15.7

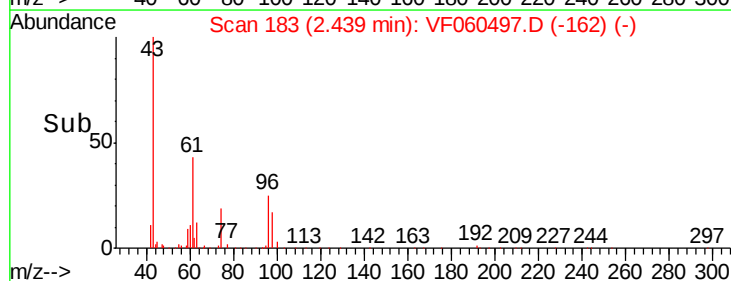
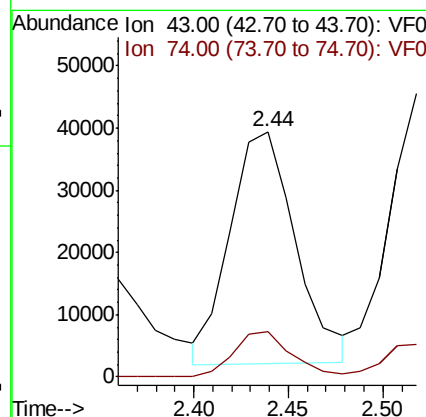
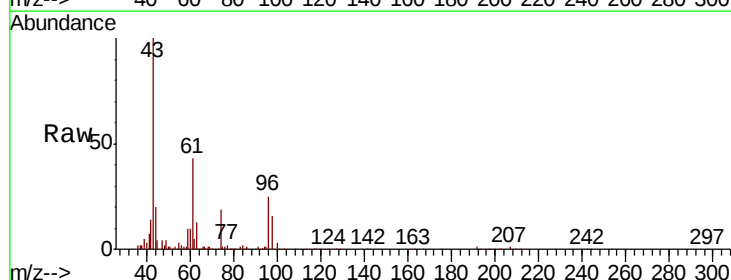
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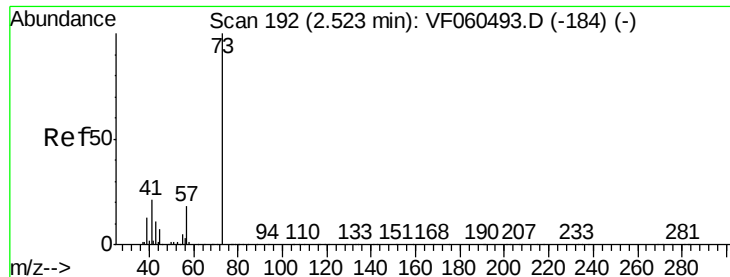
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#18
Methyl Acetate
Concen: 54.893 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion: 43 Resp: 89650
Ion Ratio Lower Upper
43 100
74 18.6 12.9 19.3





#19

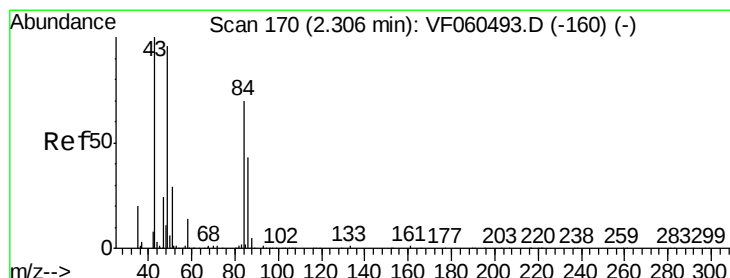
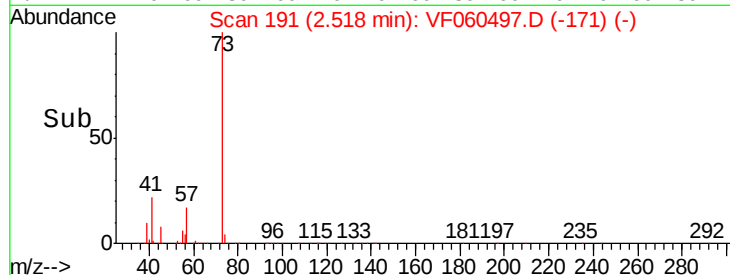
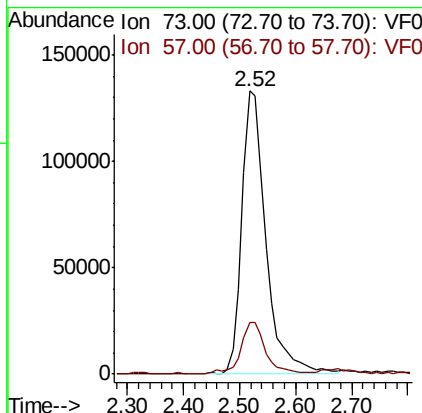
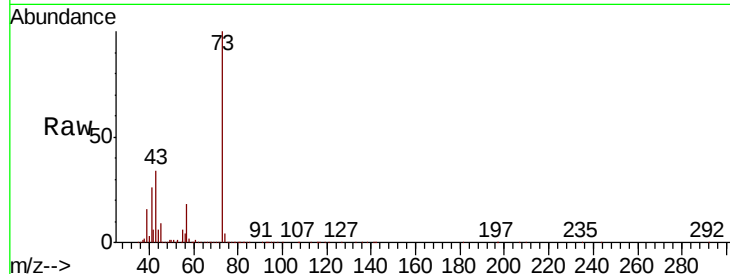
Methyl tert-butyl Ether
 Concen: 49.584 ug/l
 RT: 2.52 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	15.0	22.6

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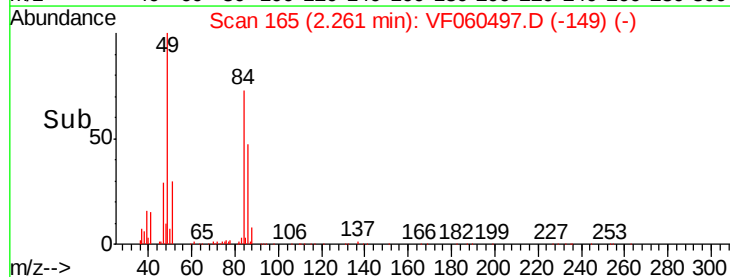
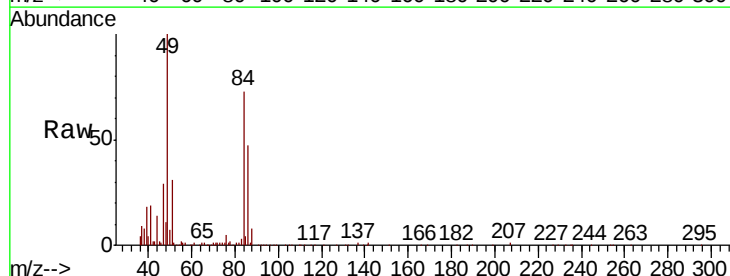
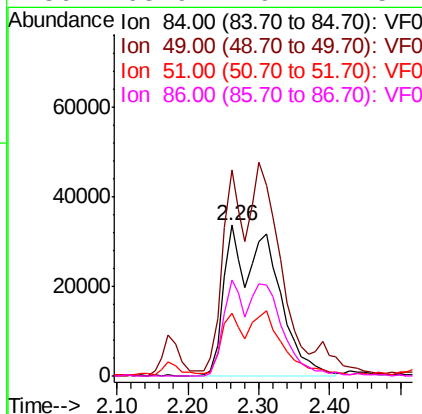
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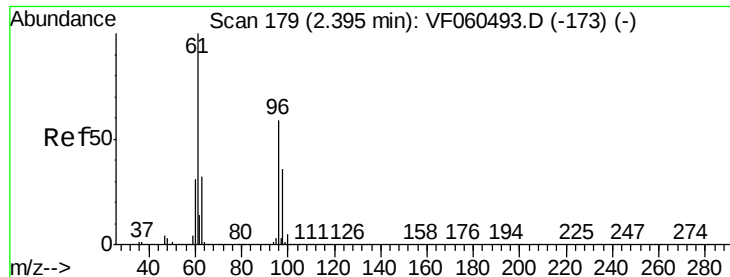


#20

Methylene Chloride
 Concen: 48.438 ug/l m
 RT: 2.26 min Scan# 165
 Delta R.T. -0.04 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.7	111.5	167.3
51	41.9	34.6	52.0
86	63.9	49.1	73.7





#21

trans-1,2-Dichloroethene

Concen: 50.216 ug/l

RT: 2.39 min Scan# 178

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

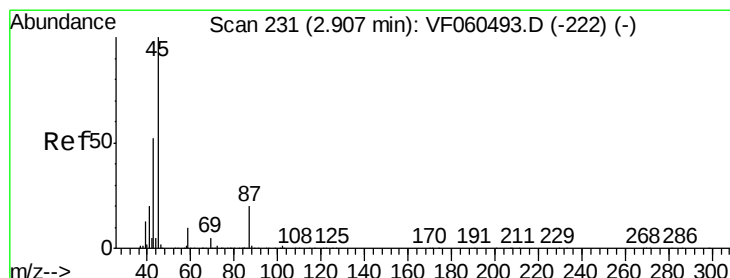
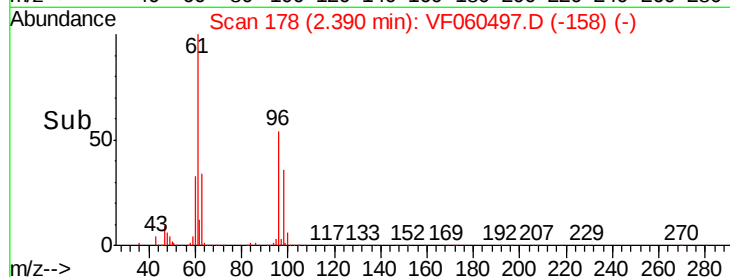
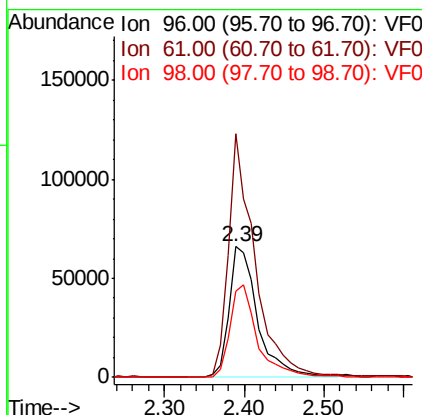
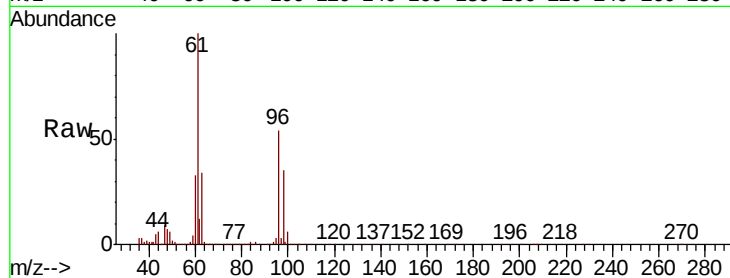
ClientSampleId :

ICVVF100918

Tot Ion:	96	Resp:	166332
Ion	Ratio	Lower	Upper
96	100		
61	186.2	136.2	204.4
98	65.9	49.7	74.5

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#22

Diisopropyl ether

Concen: 51.174 ug/l

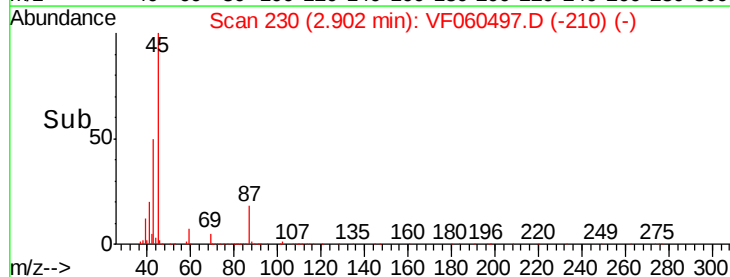
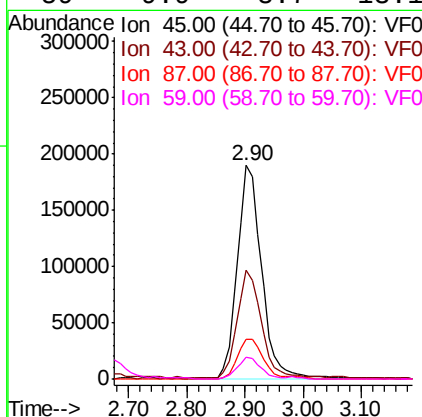
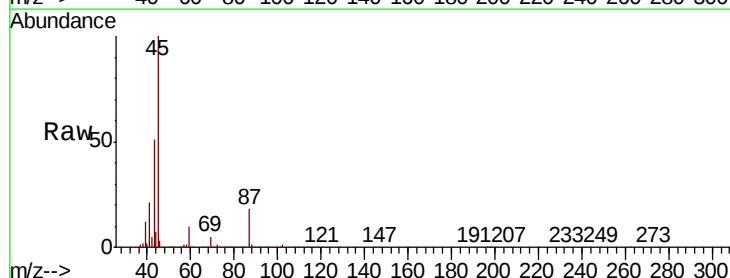
RT: 2.90 min Scan# 230

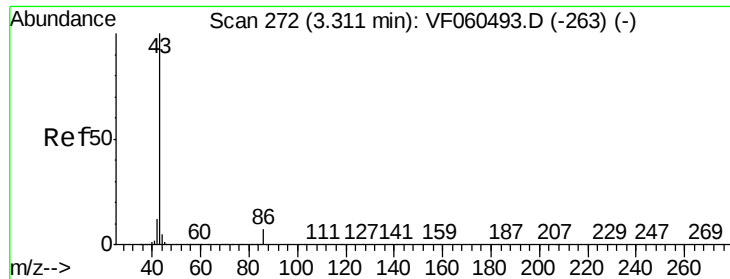
Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	45	Resp:	550275
Ion	Ratio	Lower	Upper
45	100		
43	50.8	41.8	62.8
87	18.4	15.7	23.5
59	9.9	8.7	13.1





#23

Vinyl Acetate

Concen: 250.905 ug/l

RT: 3.31 min Scan# 271

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 43 Resp: 944458

Ion Ratio Lower Upper

43 100

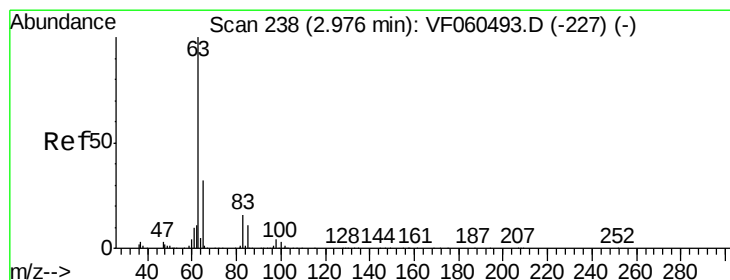
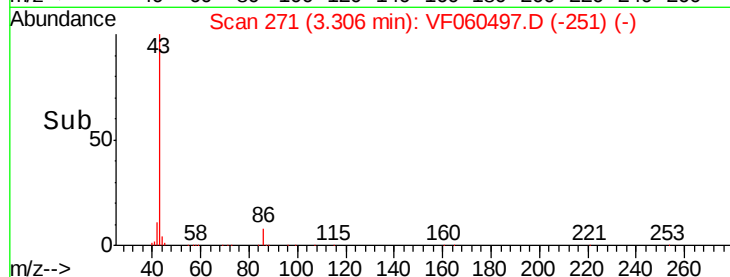
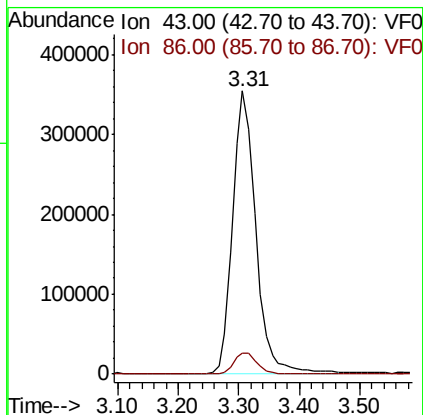
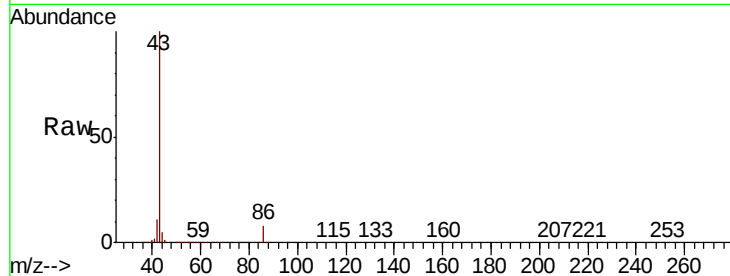
86 7.5 5.8 8.8

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#24

1,1-Dichloroethane

Concen: 49.032 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

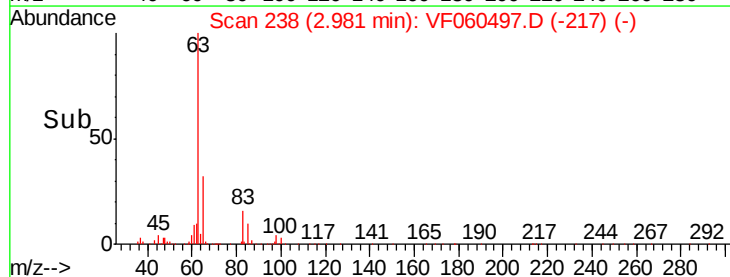
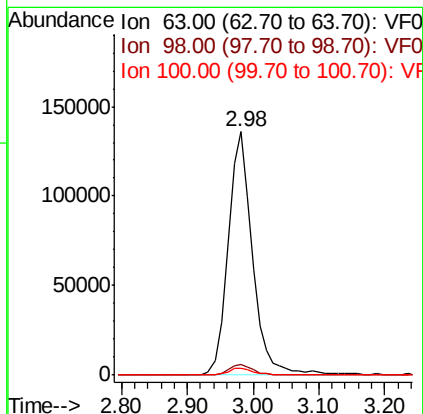
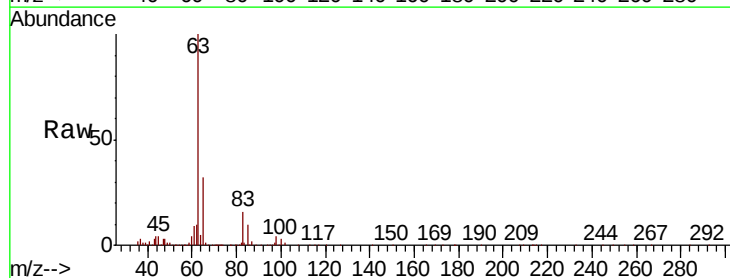
Tgt Ion: 63 Resp: 353823

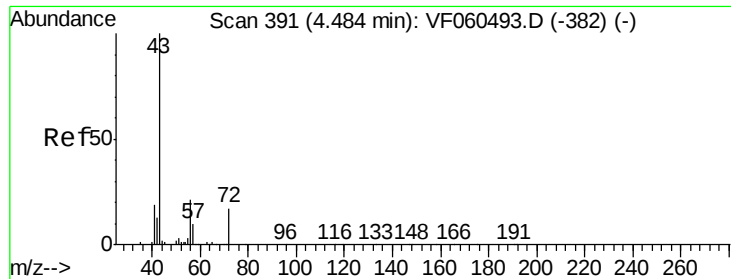
Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

100 3.1 1.5 4.4





#25

2-Butanone

Concen: 234.397 ug/l

RT: 4.48 min Scan# 390

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 43 Resp: 243649

Ion Ratio Lower Upper

43 100

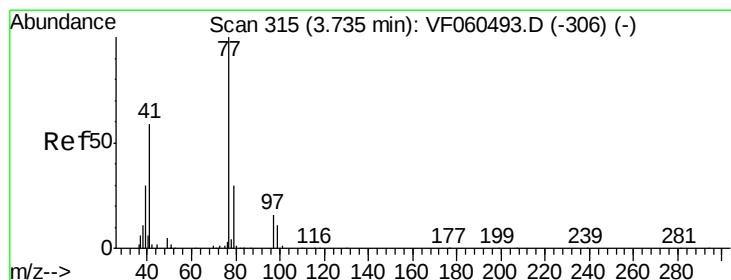
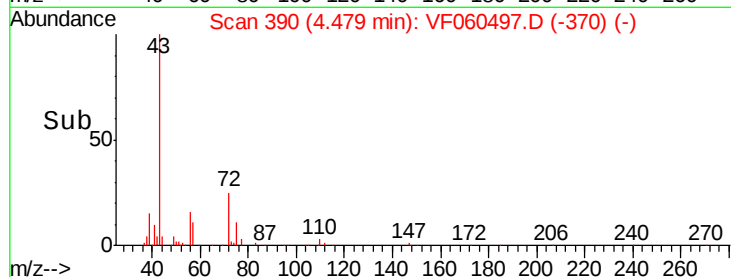
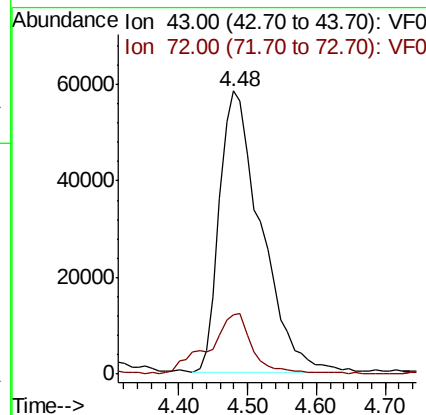
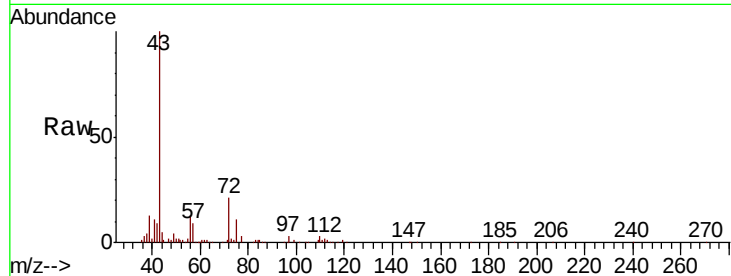
72 21.0 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.909 ug/l

RT: 3.73 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF060497.D

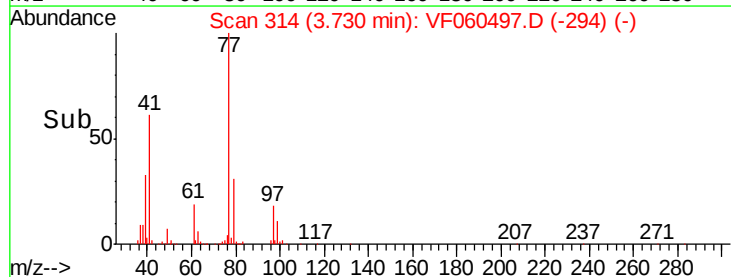
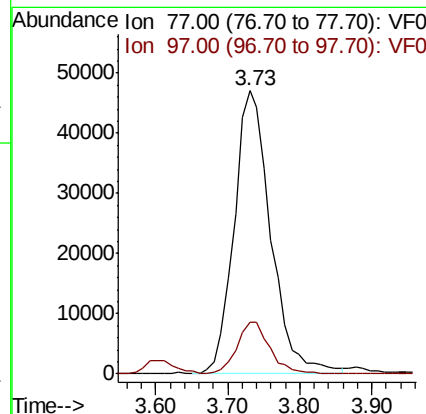
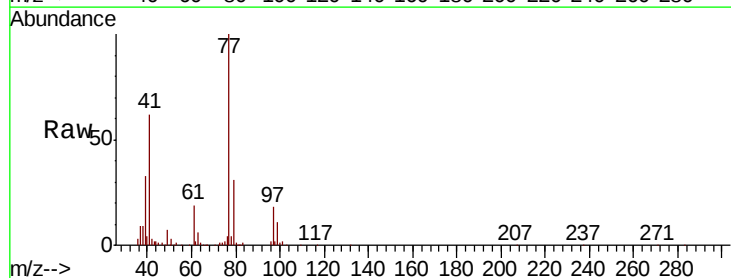
Acq: 9 Oct 2018 18:36

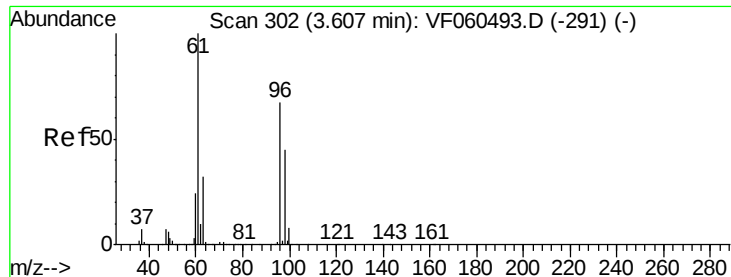
Tgt Ion: 77 Resp: 165208

Ion Ratio Lower Upper

77 100

97 18.3 8.6 25.7





#27

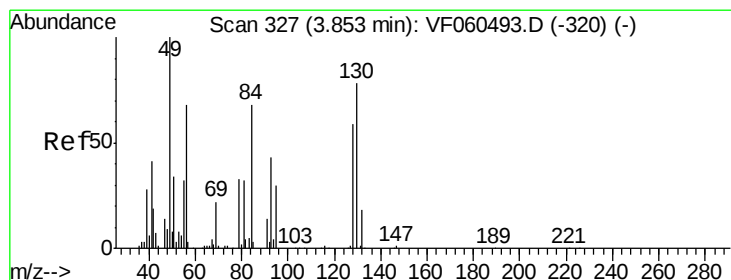
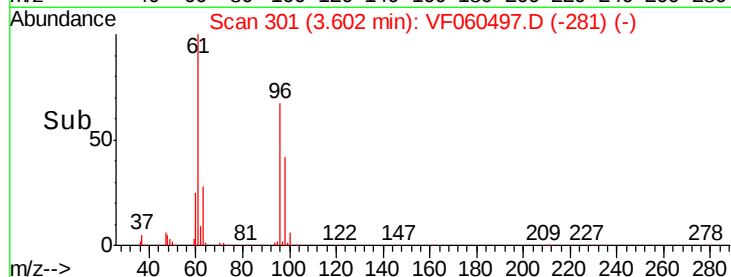
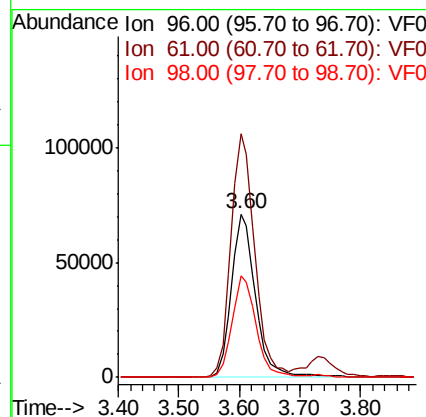
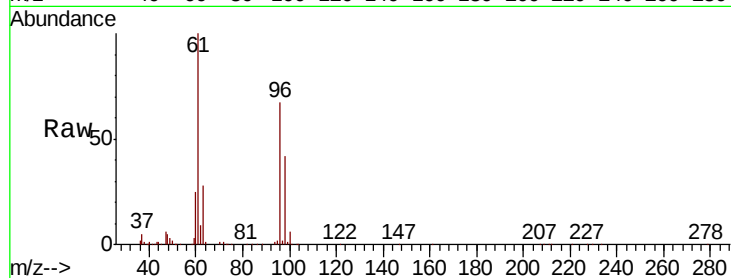
cis-1,2-Dichloroethene
Concen: 51.121 ug/l
RT: 3.60 min Scan# 301
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Resp	Lower	Upper
96	100	197658		
61	149.2	0.0	298.0	
98	62.3	0.0	135.0	

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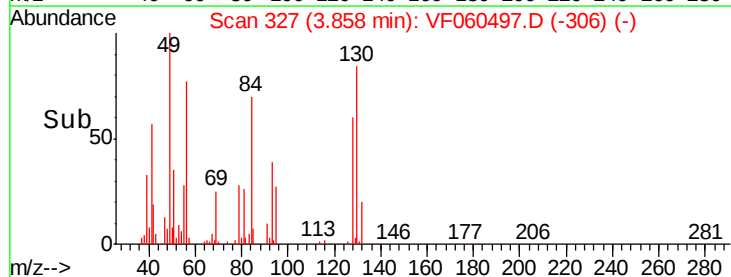
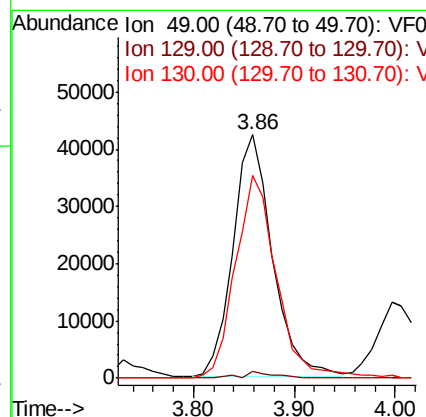
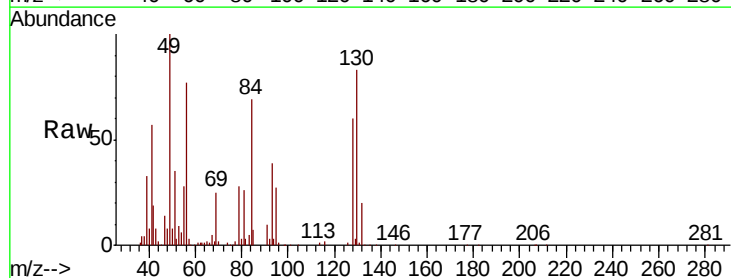
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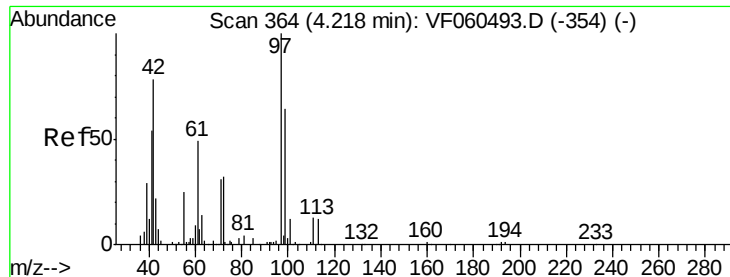


#28

Bromochloromethane
Concen: 45.713 ug/l
RT: 3.86 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114577		
129	2.6	0.0	0.0#	
130	83.4	62.2	93.2	





#29

Tetrahydrofuran

Concen: 239.216 ug/l

RT: 4.22 min Scan# 364

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

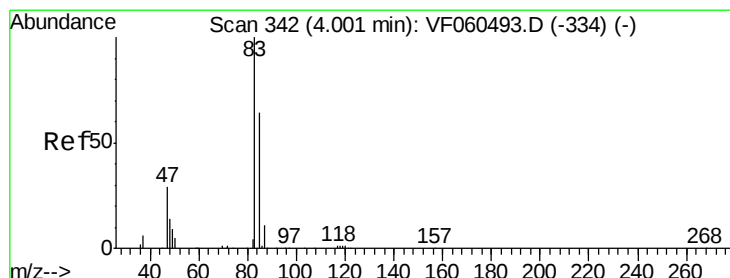
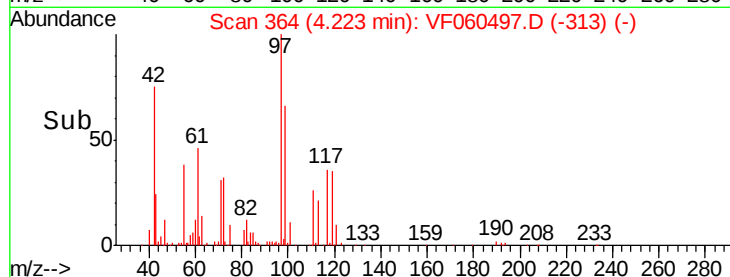
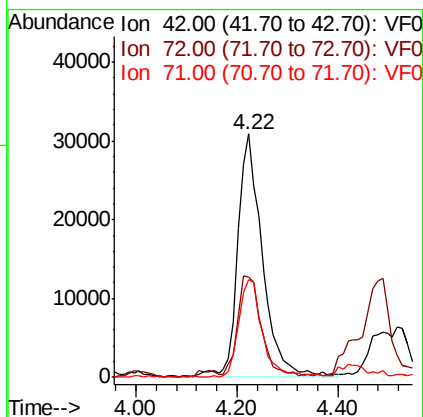
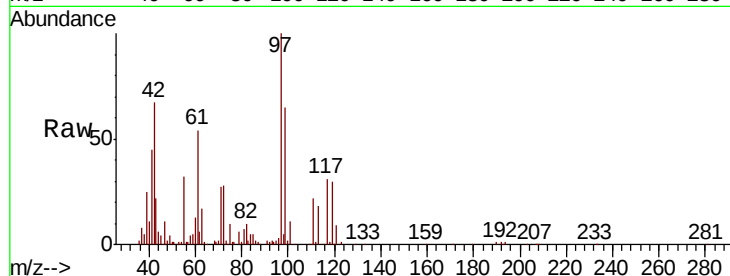
ClientSampleId :

ICVVF100918

Tot Ion:	42	Resp:	104821
Ion Ratio		Lower	Upper
42	100		
72	40.5	31.9	47.9
71	37.7	33.4	50.0

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#30

Chloroform

Concen: 47.651 ug/l

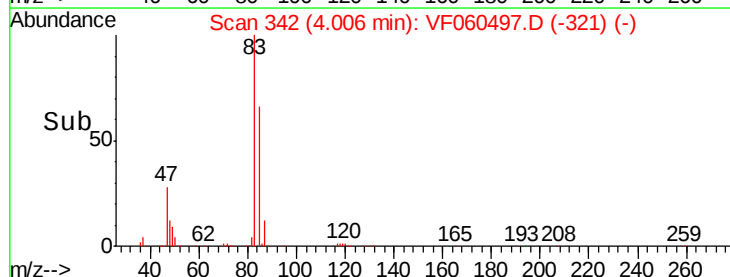
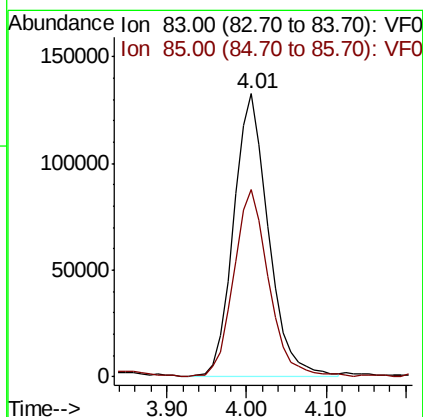
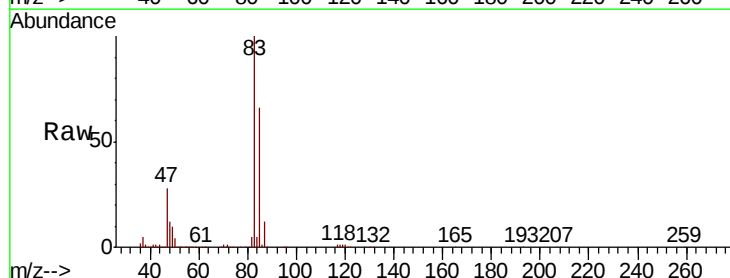
RT: 4.01 min Scan# 342

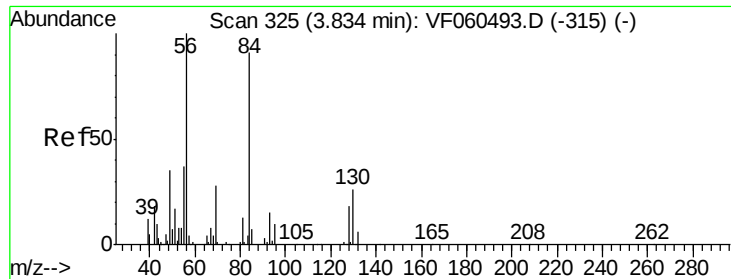
Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	83	Resp:	397924
Ion Ratio		Lower	Upper
83	100		
85	66.2	51.7	77.5





#31

Cyclohexane

Concen: 49.415 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

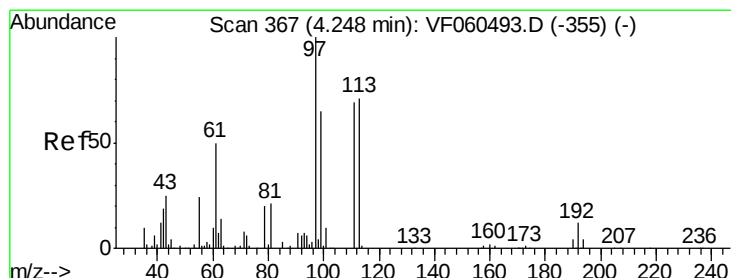
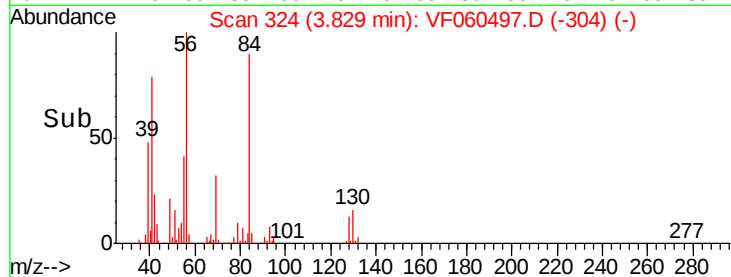
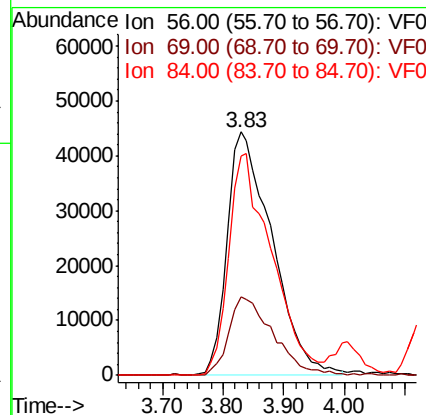
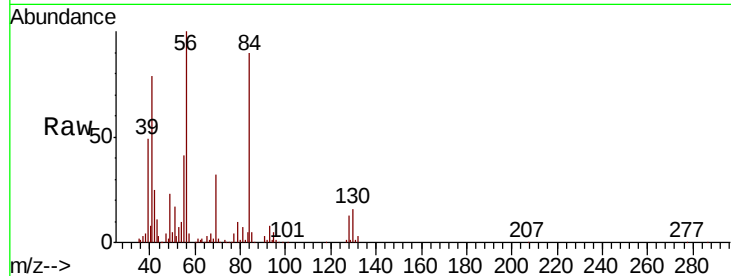
ClientSampleId :

ICVVF100918

Tot Ion:	56	Resp:	228122
Ion Ratio	Lower	Upper	
56	100		
69	32.5	22.7	34.1
84	90.0	73.1	109.7

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#32

1,1,1-Trichloroethane

Concen: 48.085 ug/l

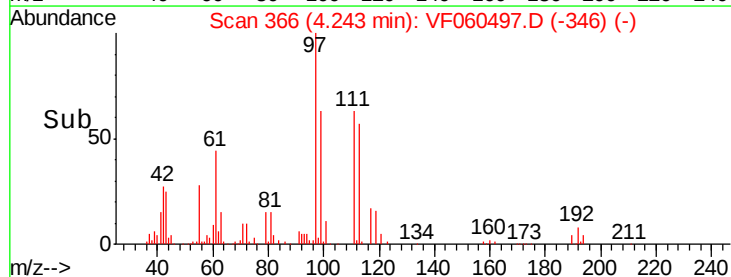
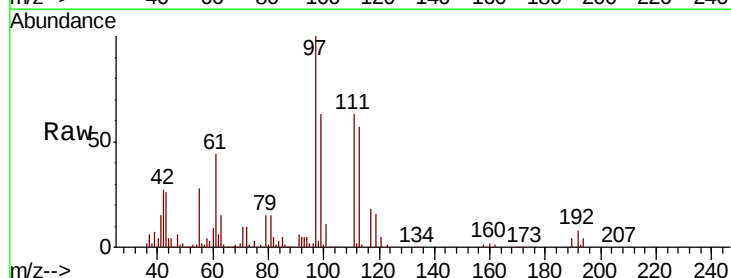
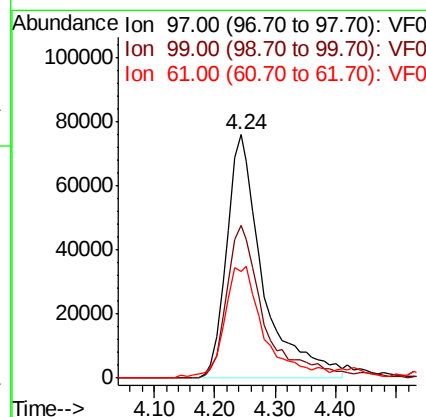
RT: 4.24 min Scan# 366

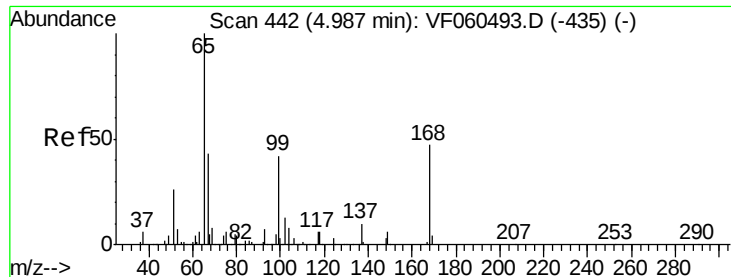
Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	97	Resp:	316338
Ion Ratio	Lower	Upper	
97	100		
99	62.7	52.3	78.5
61	43.9	39.8	59.8





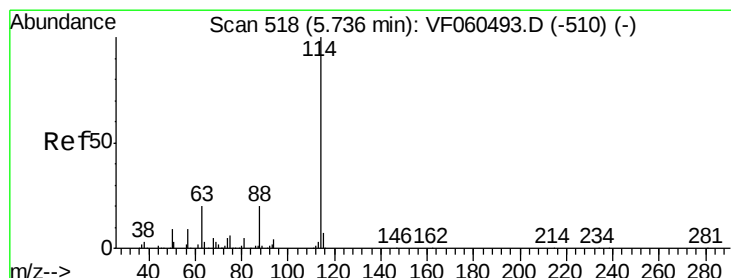
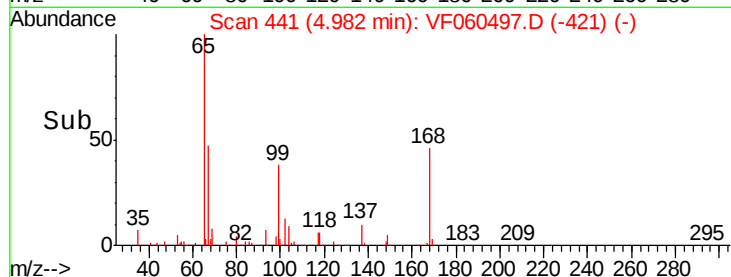
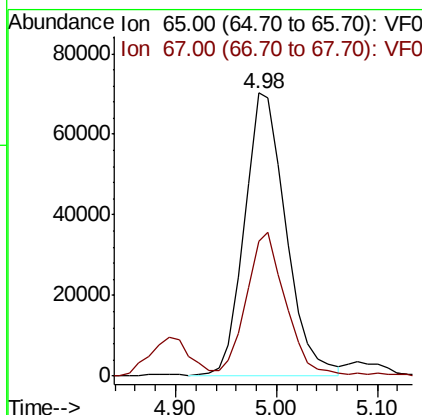
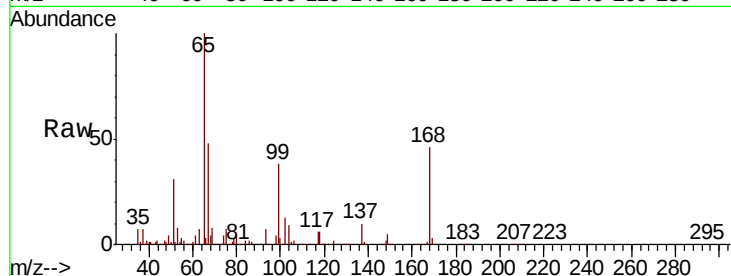
#33
 1,2-Dichloroethane-d4
 Concen: 45.800 ug/l
 RT: 4.98 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199590		
67	47.5	0.0	94.6	

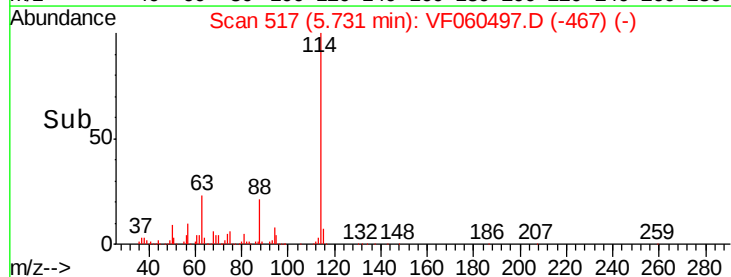
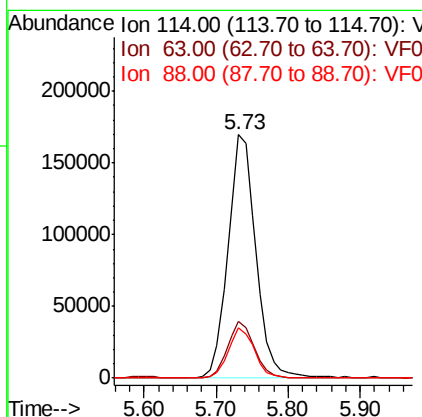
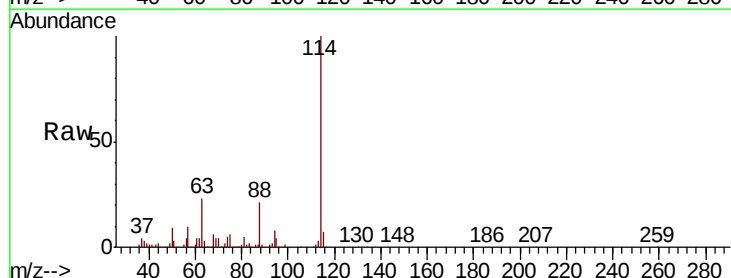
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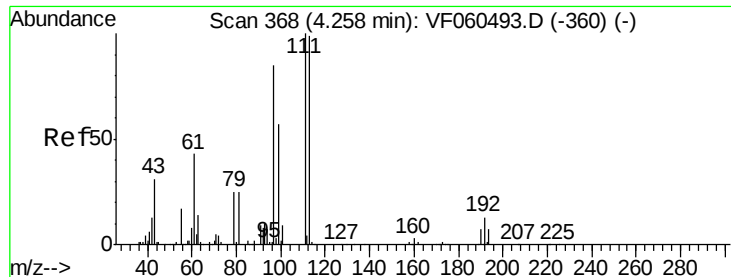
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	457062		
63	23.2	0.0	40.2	
88	20.7	0.0	40.2	





#35

Dibromofluoromethane

Concen: 50.682 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

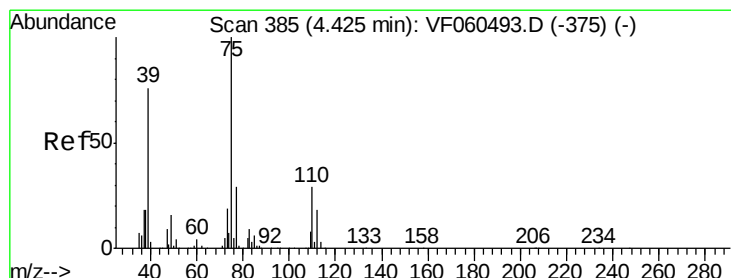
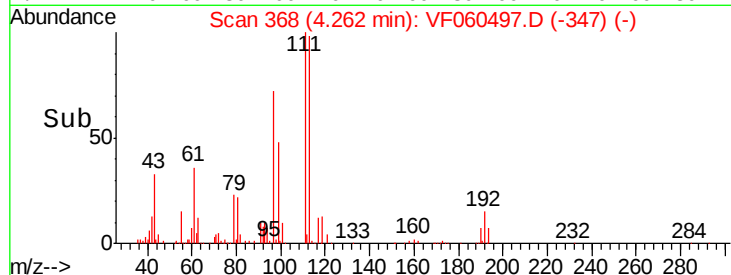
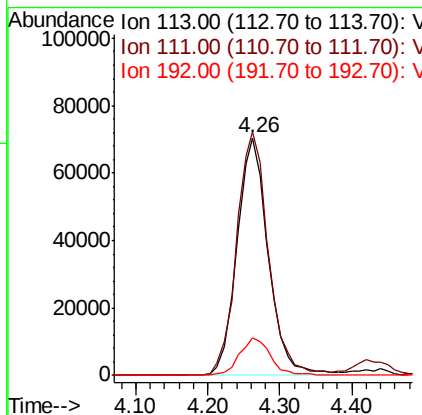
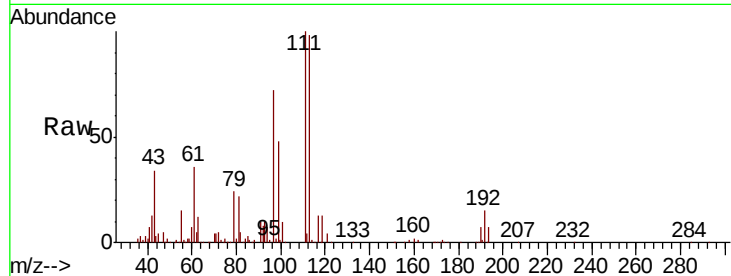
ClientSampleId :

ICVVF100918

Tot Ion:	113	Resp:	213230
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.0	121.6
192	15.6	10.7	16.1

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#36

1,1-Dichloropropene

Concen: 50.082 ug/l

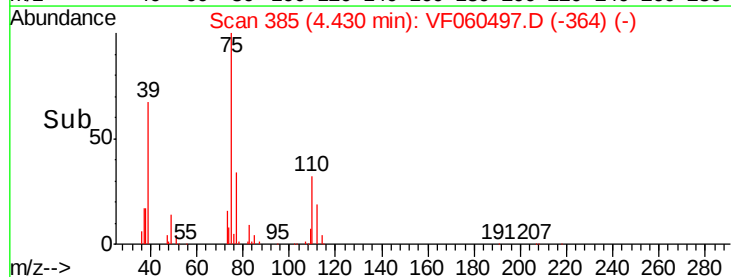
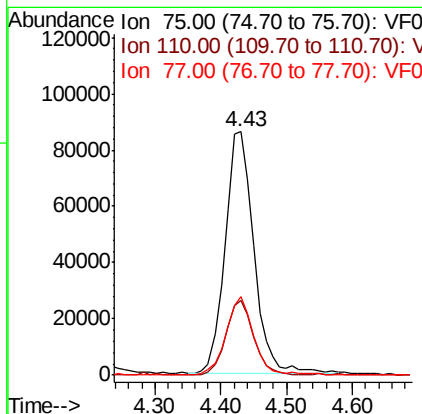
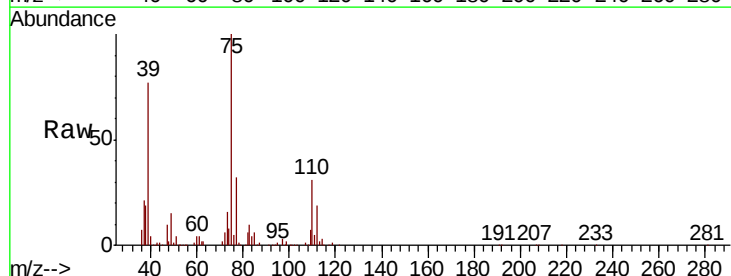
RT: 4.43 min Scan# 385

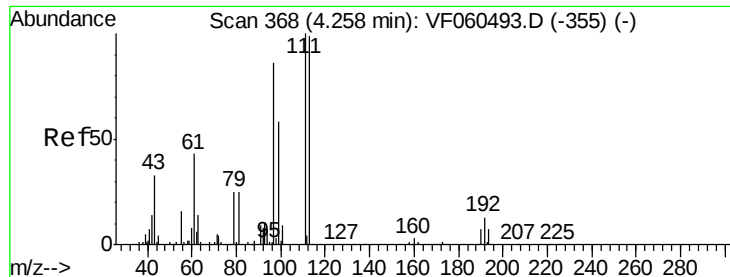
Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	75	Resp:	266258
Ion Ratio	Lower	Upper	
75	100		
110	30.7	14.4	43.2
77	32.5	23.5	35.3





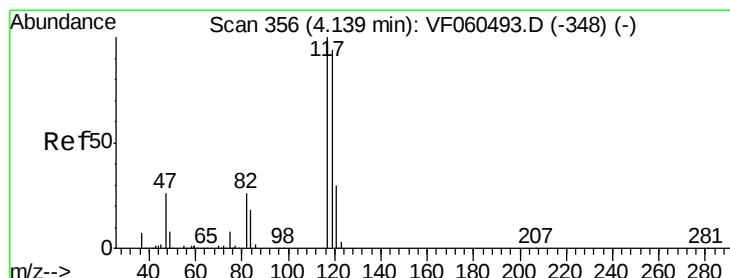
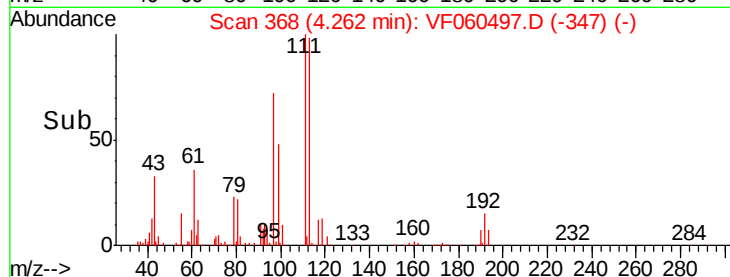
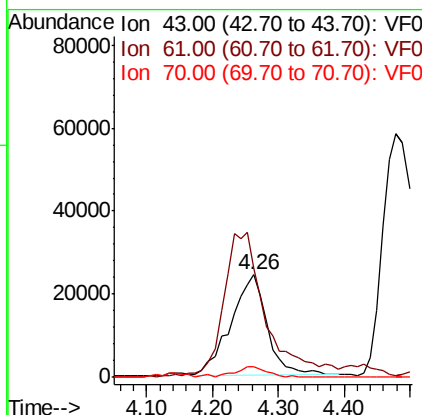
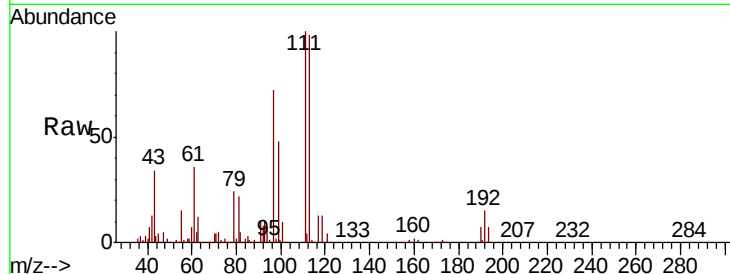
#37
Ethyl Acetate
Concen: 50.092 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	43	61	70
Resp	94068		
Ratio	100	106.3	10.4
Lower		106.5	6.5
Upper		159.7#	9.7#

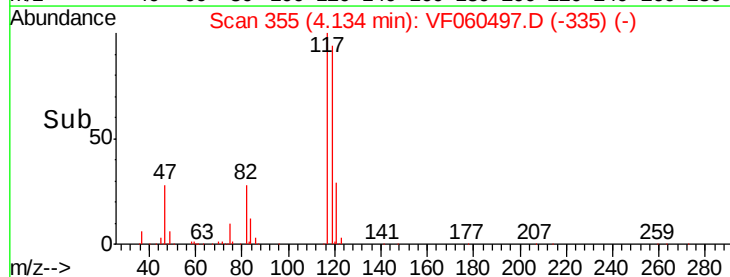
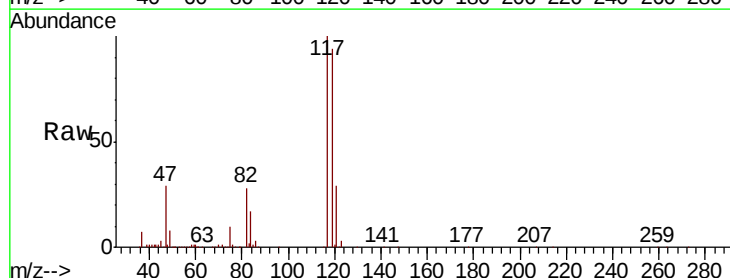
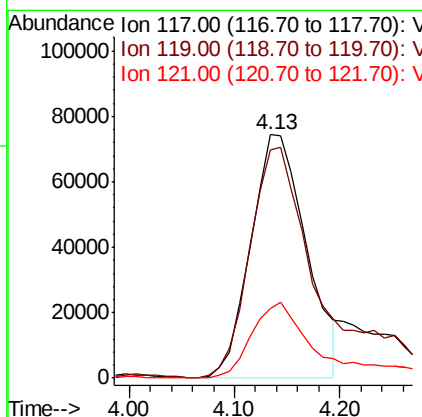
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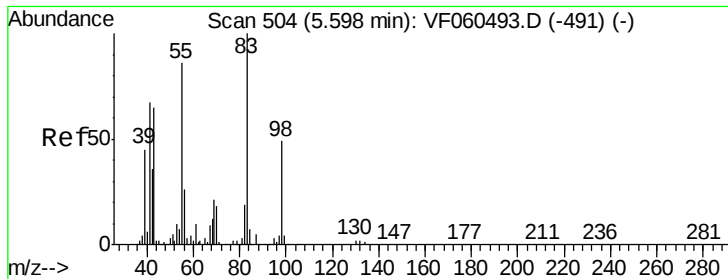
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#38
Carbon Tetrachloride
Concen: 51.084 ug/l m
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	117	119	121
Resp	272807		
Ratio	100	93.6	28.5
Lower		75.0	23.8
Upper		112.4	35.6





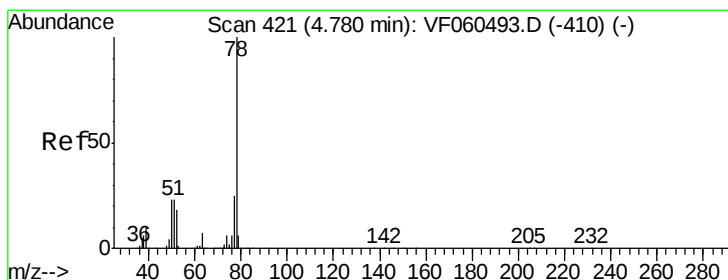
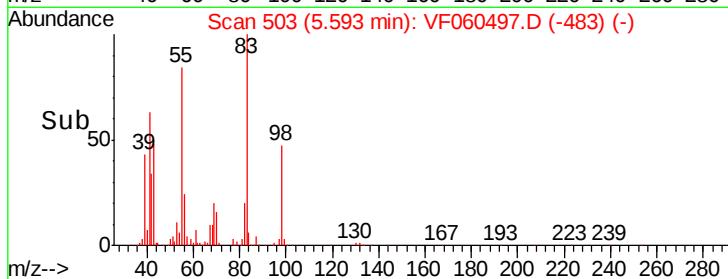
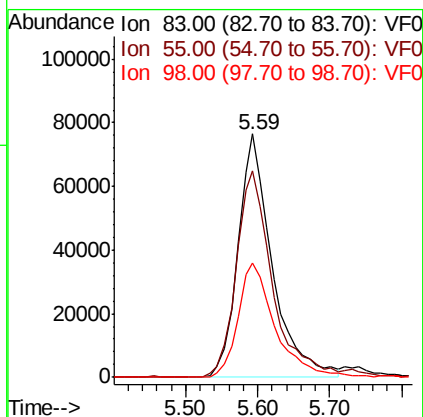
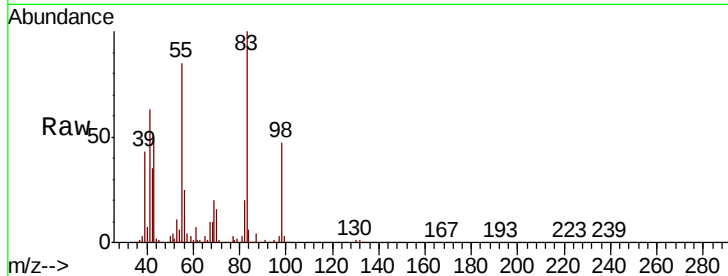
#39
Methylcyclohexane
Concen: 50.414 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	69.2	103.8
98	47.1	39.6	59.4

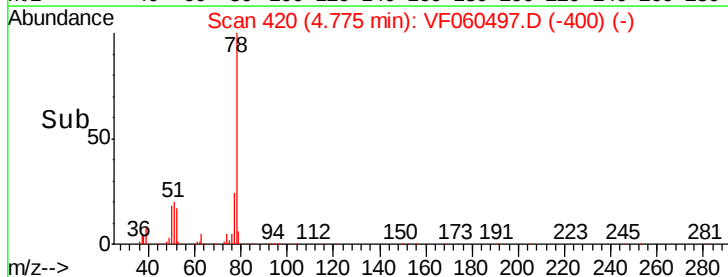
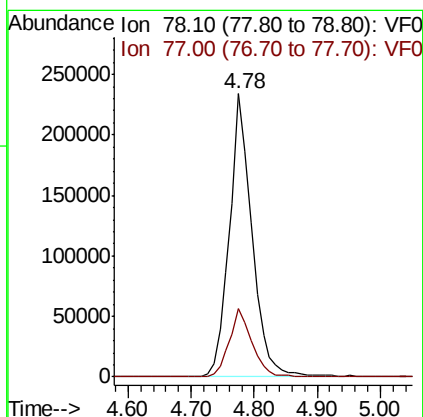
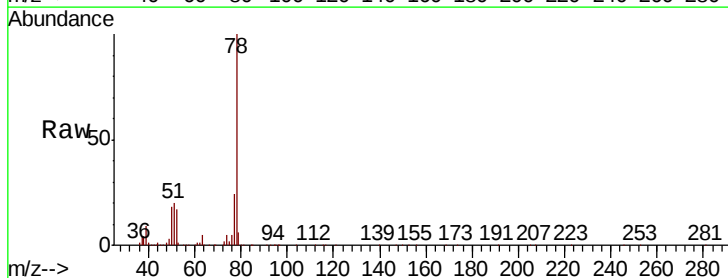
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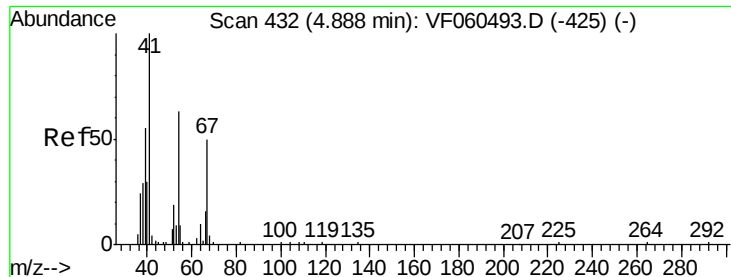
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#40
Benzene
Concen: 53.165 ug/l
RT: 4.78 min Scan# 420
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.8





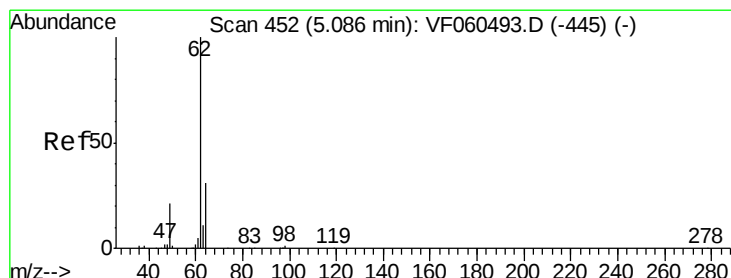
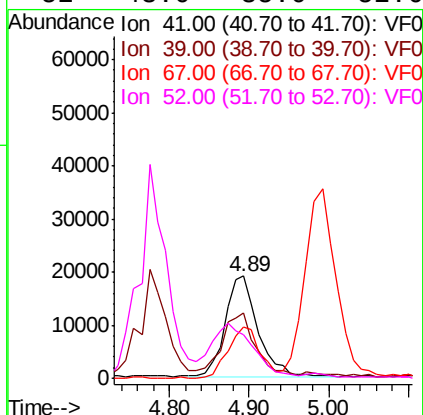
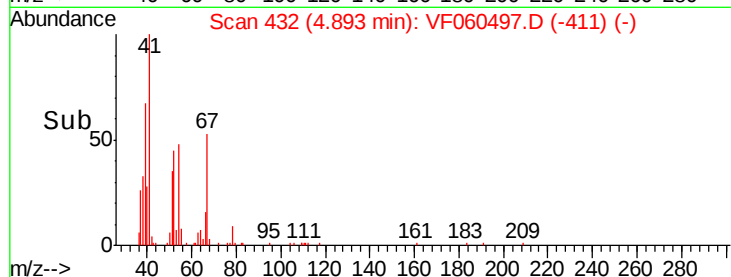
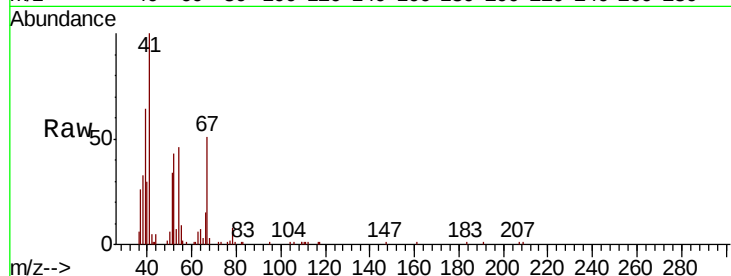
#41
Methacrylonitrile
Concen: 49.976 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion:	41	Resp:	53323
Ion	Ratio	Lower	Upper
41	100		
39	64.2	53.1	79.7
67	50.6	39.4	59.0
52	43.0	35.0	52.6

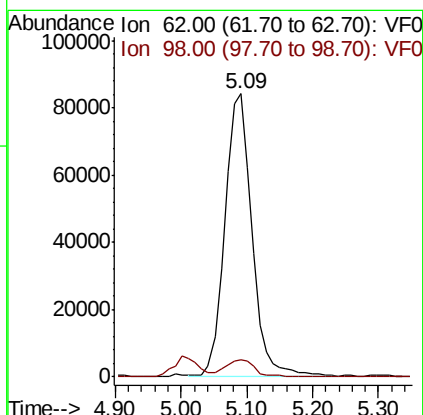
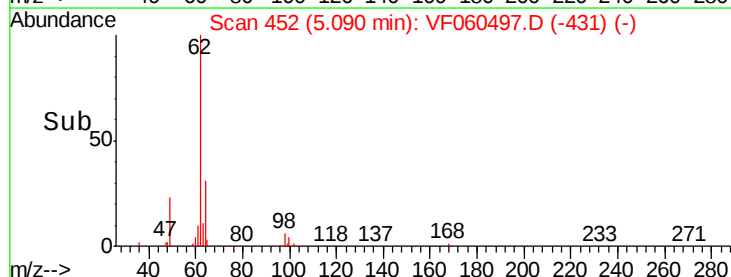
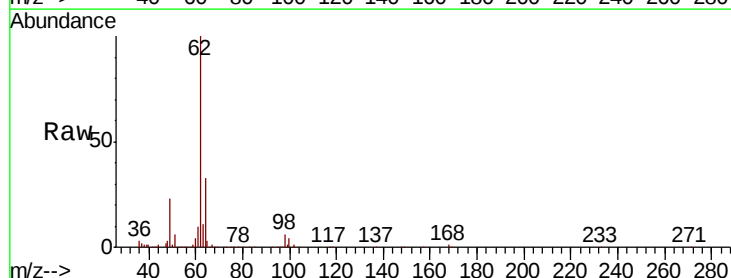
Manual Integrations
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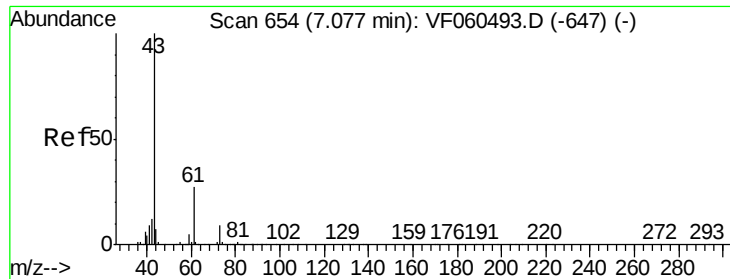
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#42
1,2-Dichloroethane
Concen: 48.465 ug/l
RT: 5.09 min Scan# 452
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion:	62	Resp:	240000
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	12.8





#43

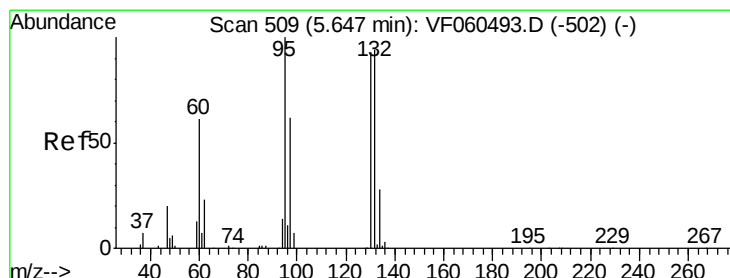
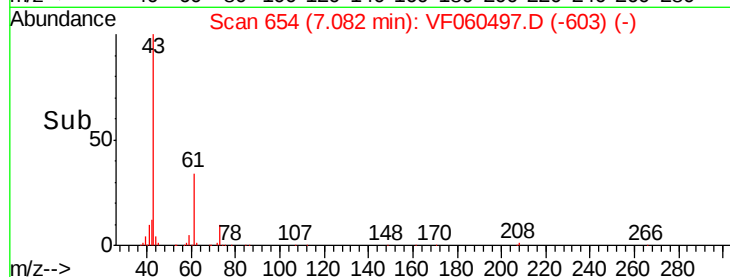
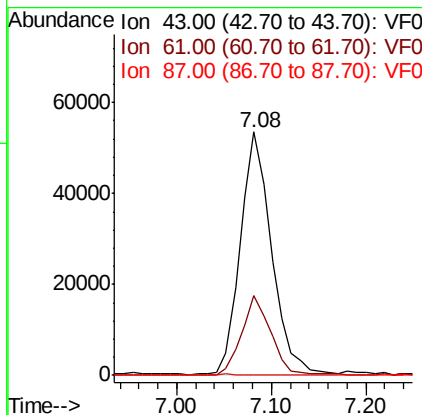
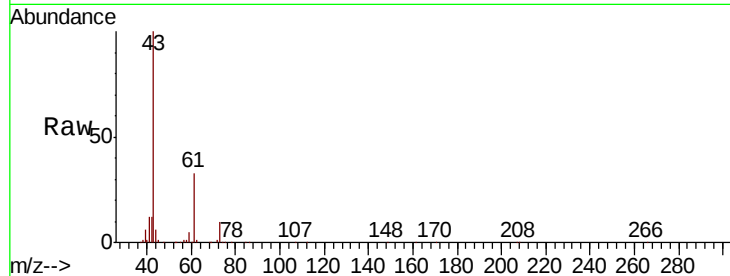
Isopropyl Acetate
 Concen: 52.265 ug/l
 RT: 7.08 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.5	21.6	32.4#
87	0.0	0.6	0.8#

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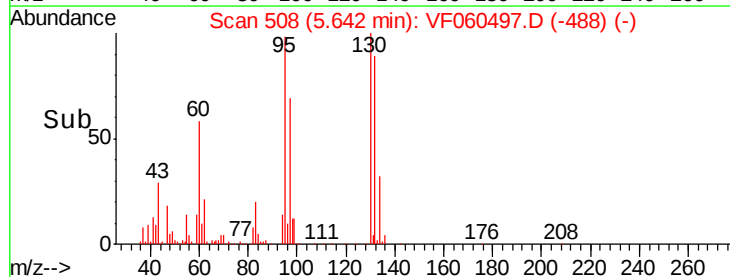
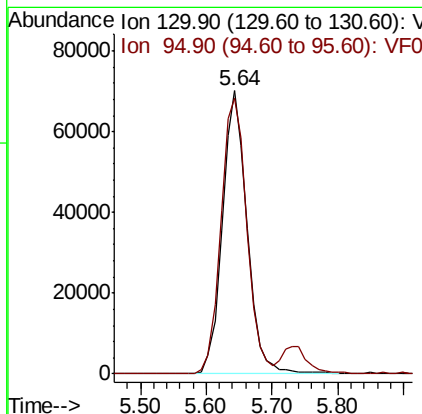
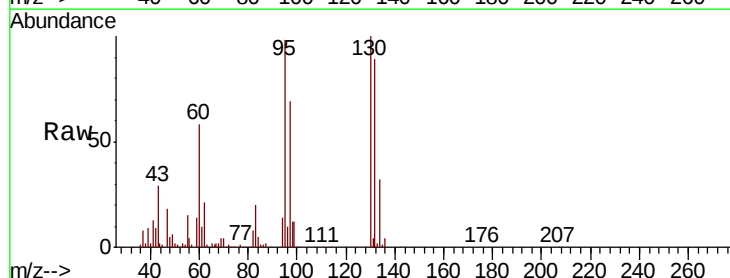
apatel
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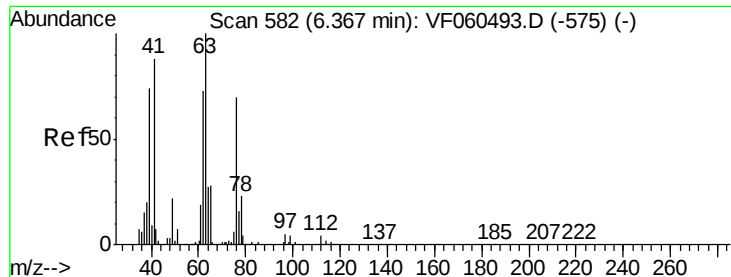


#44

Trichloroethene
 Concen: 54.081 ug/l
 RT: 5.64 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	216.0





#45

1,2-Dichloropropane

Concen: 54.596 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 63 Resp: 145885

Ion Ratio Lower Upper

63 100

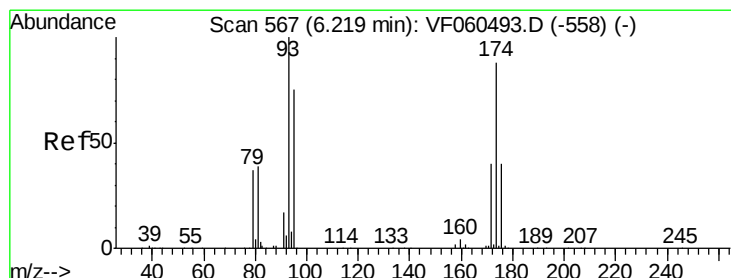
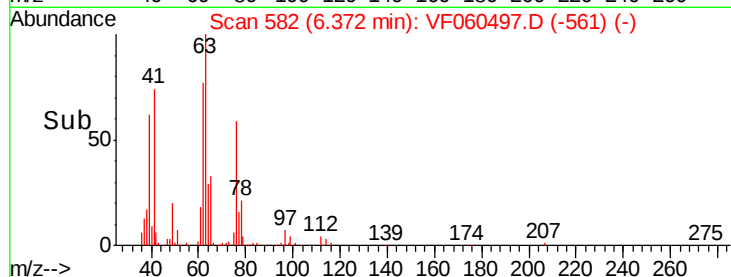
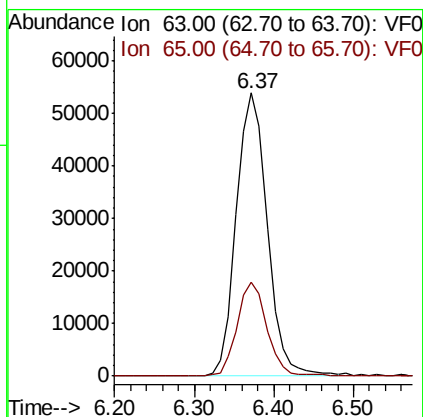
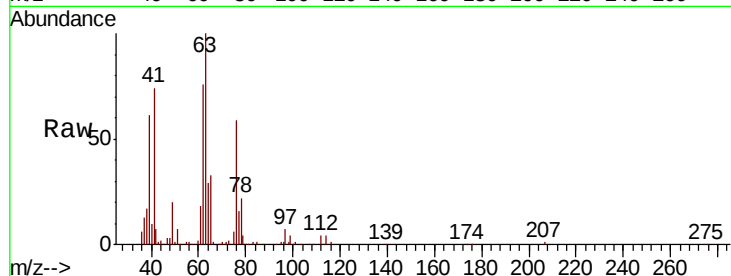
65 33.2 22.2 33.2

Manual Integrations

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#46

Dibromomethane

Concen: 48.589 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

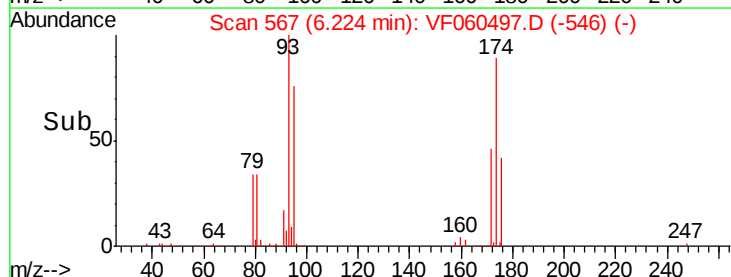
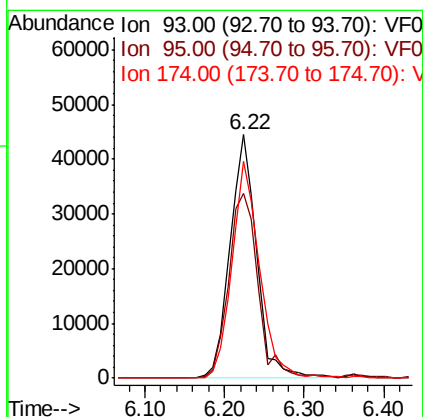
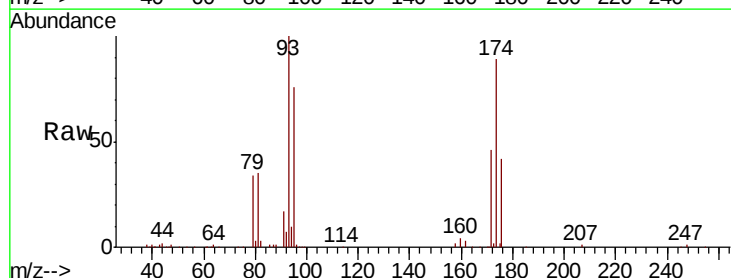
Tgt Ion: 93 Resp: 104145

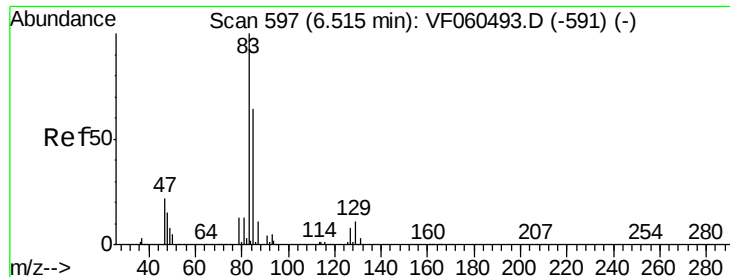
Ion Ratio Lower Upper

93 100

95 75.7 60.0 90.0

174 89.2 71.0 106.6





#47

Bromodichloromethane

Concen: 52.042 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

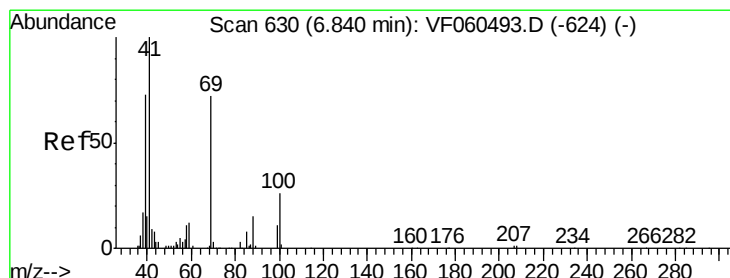
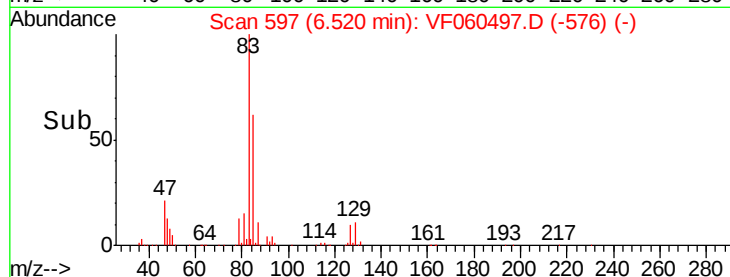
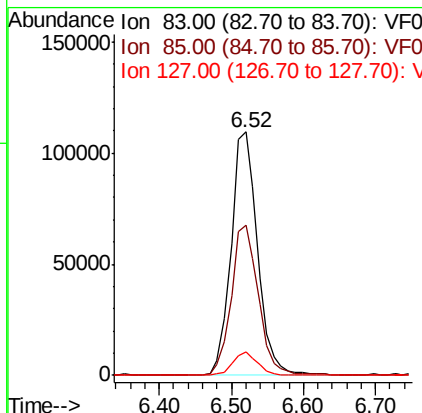
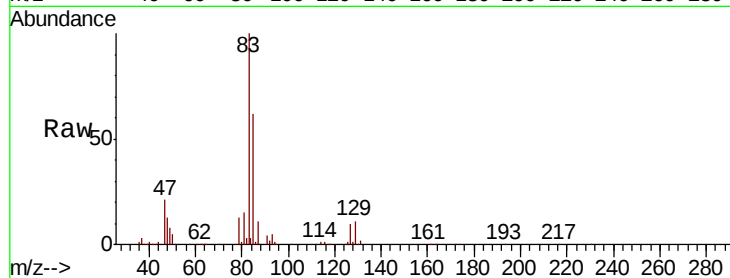
ClientSampleId :

ICVVF100918

Tot Ion:	83	Resp:	281721
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.2	76.8
127	9.7	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.441 ug/l

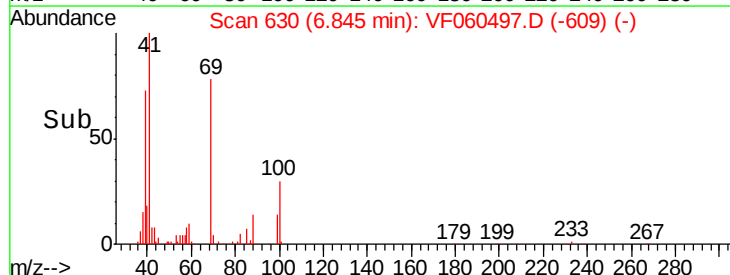
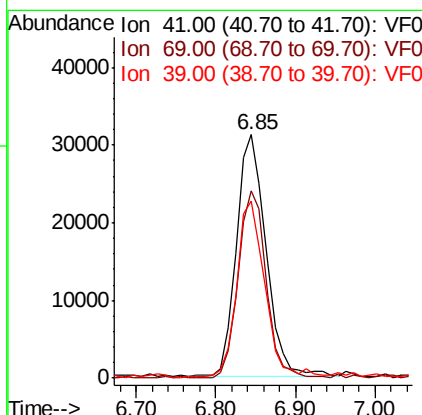
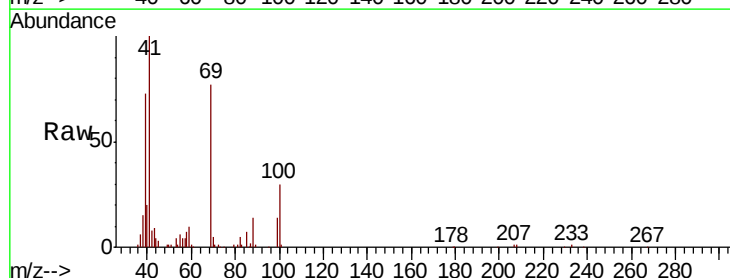
RT: 6.85 min Scan# 630

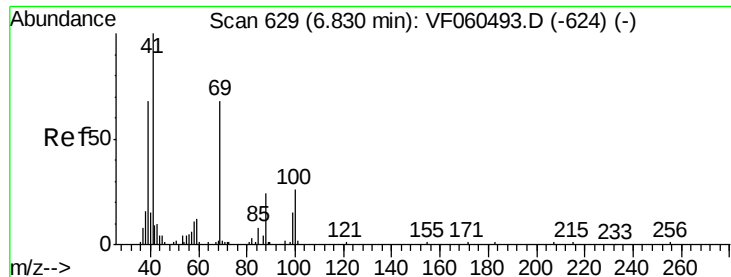
Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	41	Resp:	79972
Ion Ratio	Lower	Upper	
41	100		
69	76.7	57.8	86.8
39	72.9	59.1	88.7





#49

1,4-Dioxane

Concen: 1055.108 ug/l

RT: 6.83 min Scan# 628

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

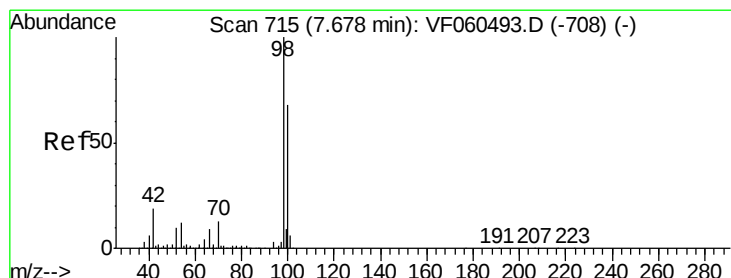
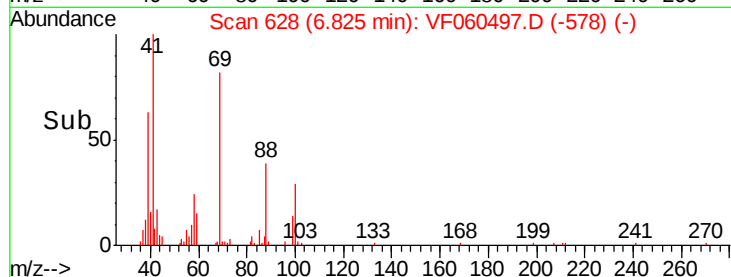
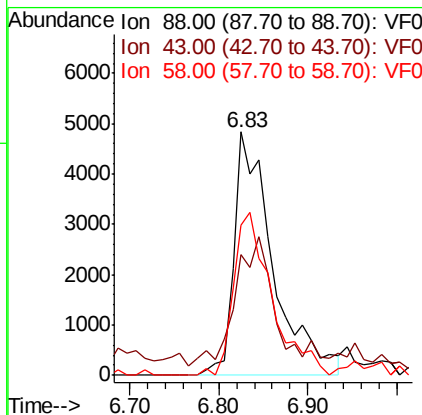
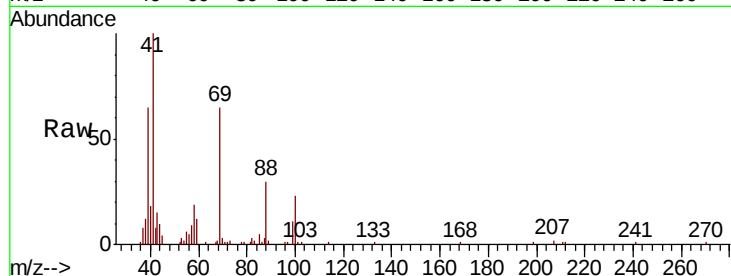
ClientSampleId :

ICVVF100918

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.4	40.2	60.2
58	61.8	36.3	54.5

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#50

Toluene-d8

Concen: 52.478 ug/l

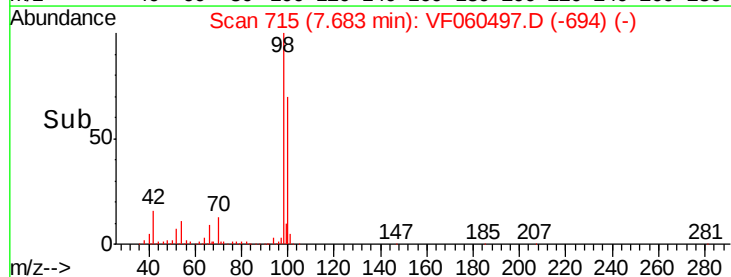
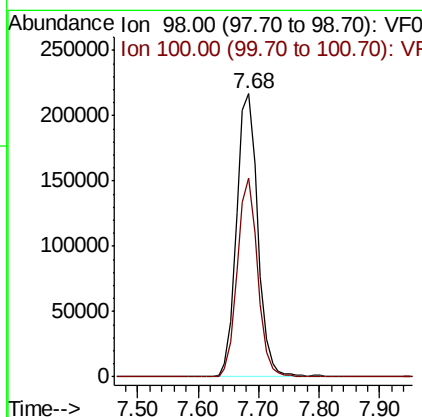
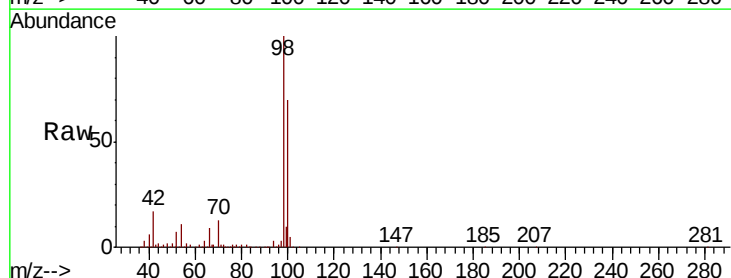
RT: 7.68 min Scan# 715

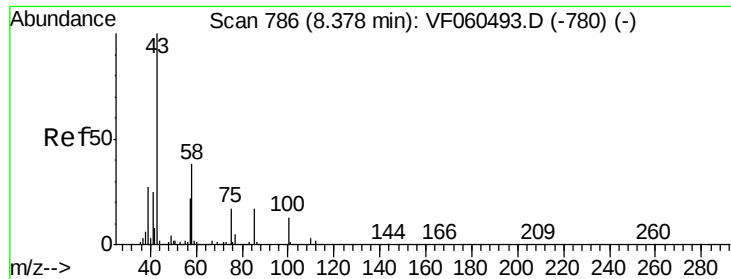
Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 261.591 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 43 Resp: 427100

Ion Ratio Lower Upper

43 100

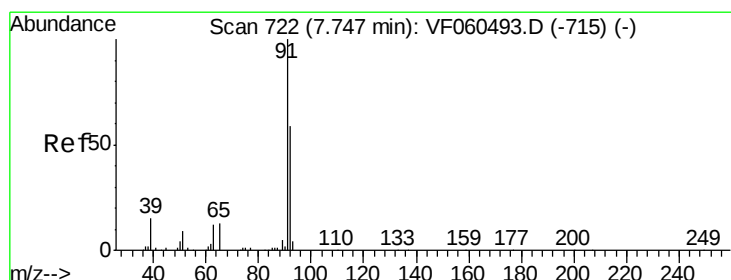
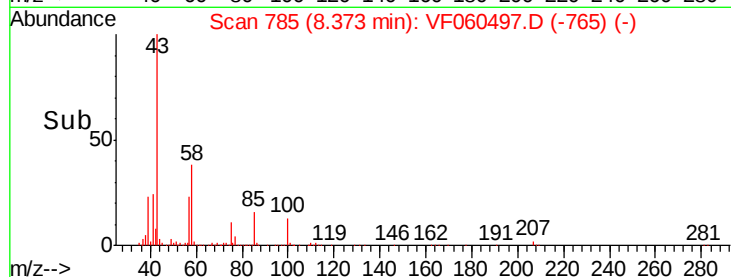
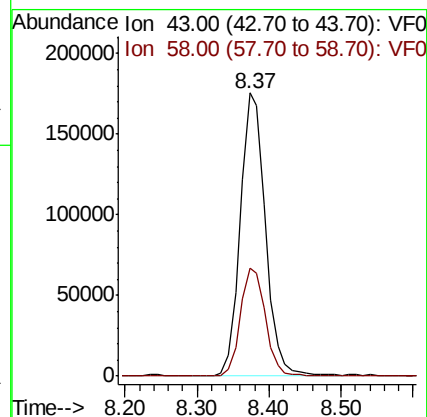
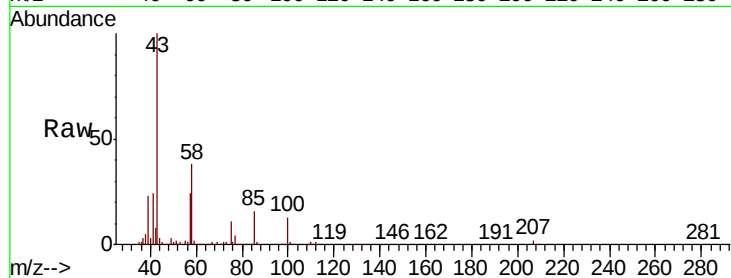
58 38.1 30.4 45.6

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#52

Toluene

Concen: 49.138 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060497.D

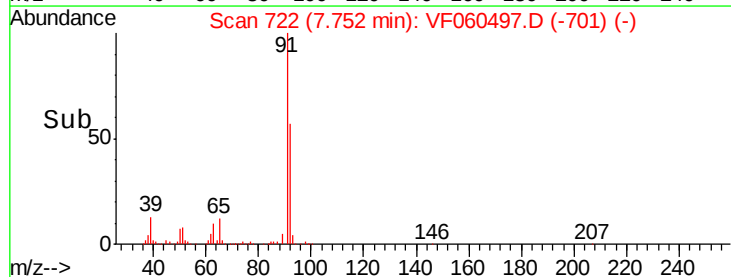
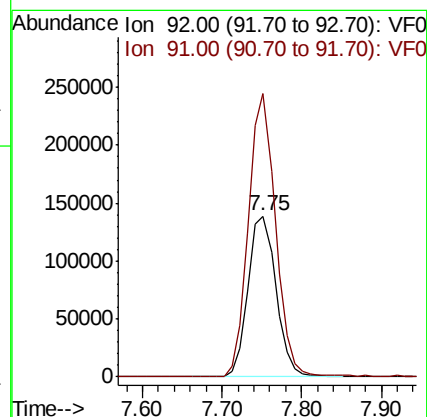
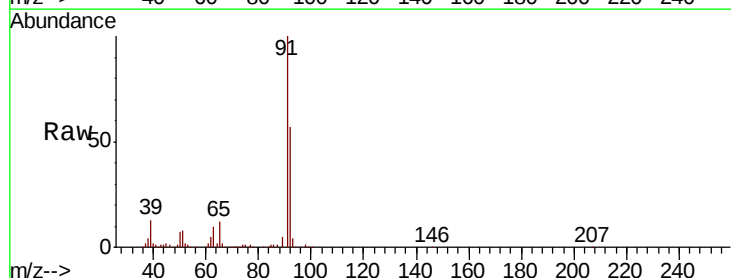
Acq: 9 Oct 2018 18:36

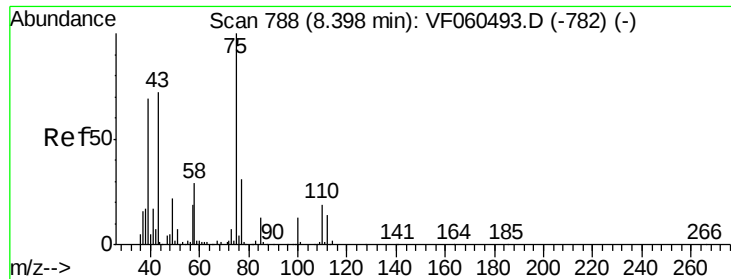
Tgt Ion: 92 Resp: 337808

Ion Ratio Lower Upper

92 100

91 175.8 136.6 205.0





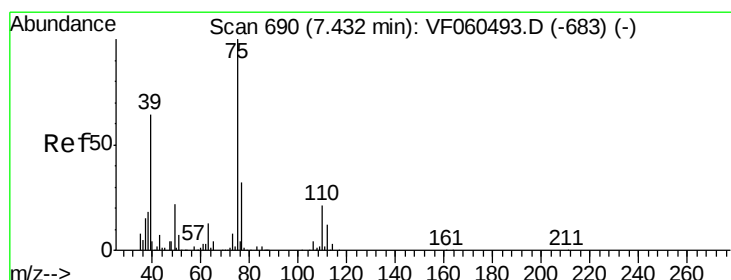
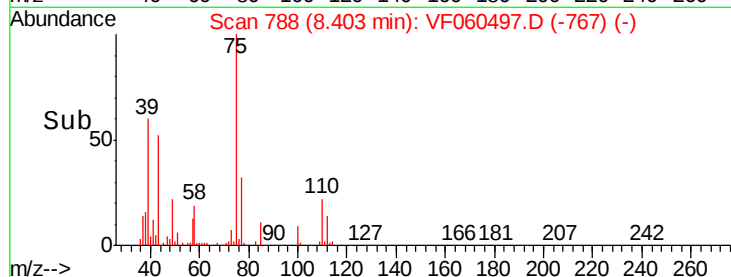
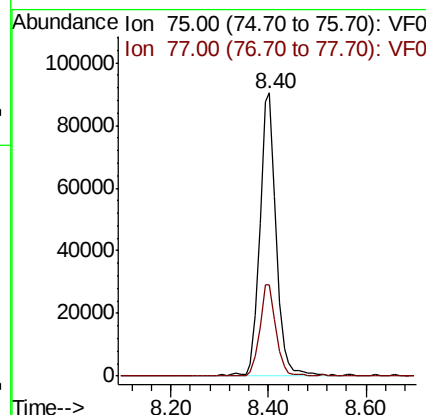
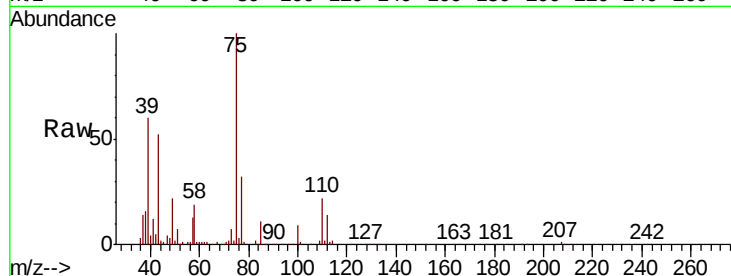
#53
t-1,3-Dichloropropene
Concen: 50.197 ug/l
RT: 8.40 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.2	37.8

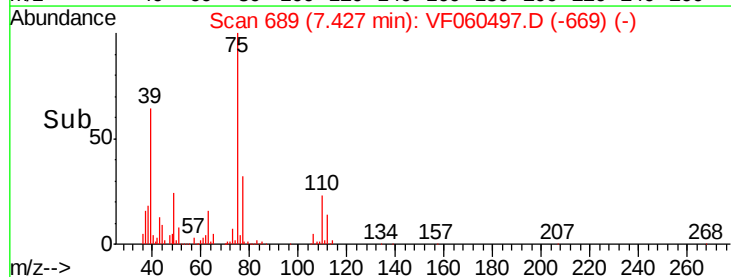
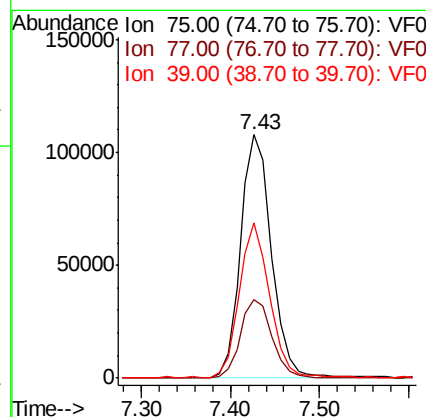
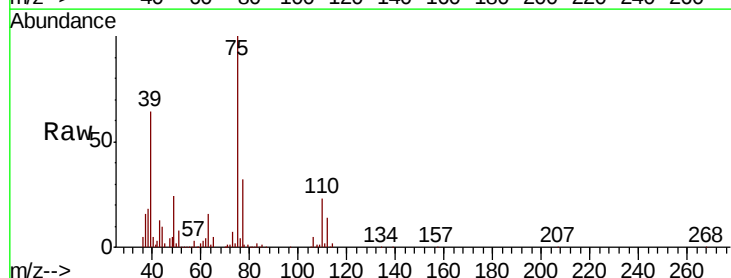
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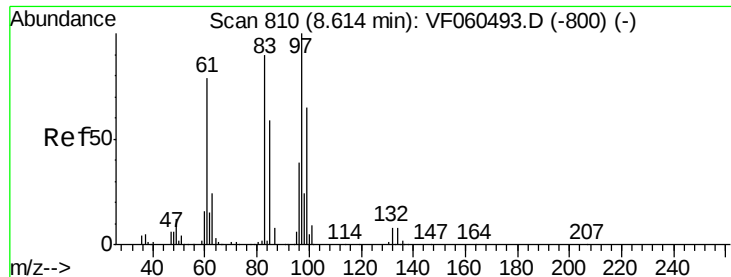
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#54
cis-1,3-Dichloropropene
Concen: 53.002 ug/l
RT: 7.43 min Scan# 689
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.0	39.0
39	63.9	51.2	76.8





#55

1,1,2-Trichloroethane

Concen: 49.714 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tot Ion:	97	Resp:	105035
Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.9	107.9
85	54.3	47.8	71.8
99	60.7	52.0	78.0

Instrument :

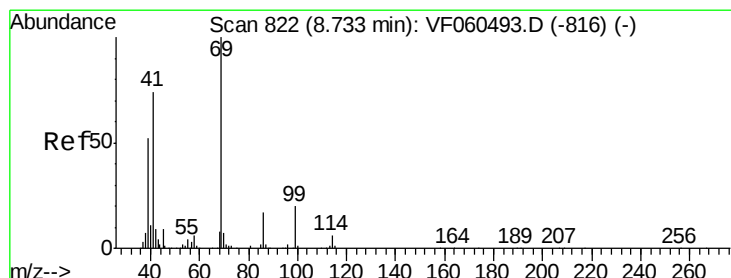
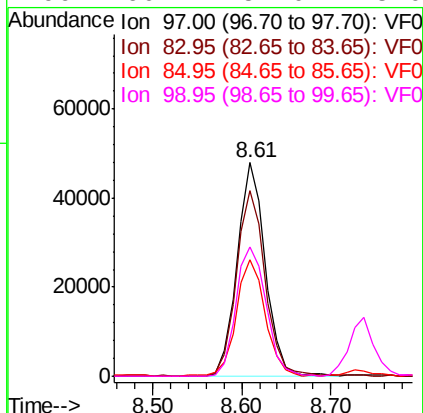
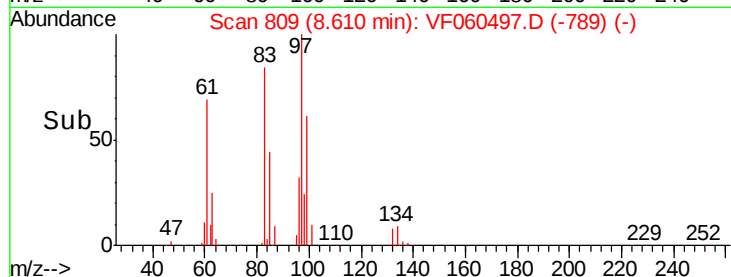
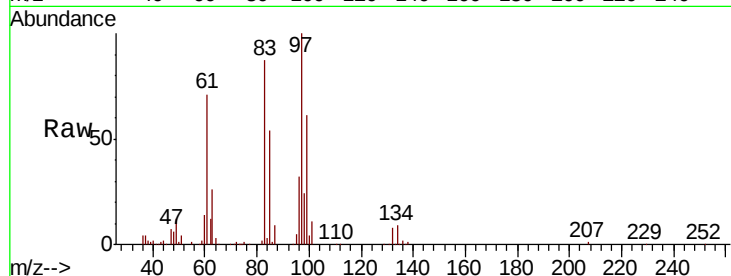
MSVOA_F

ClientSampleId :

ICVVF100918

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#56

Ethyl methacrylate

Concen: 53.048 ug/l

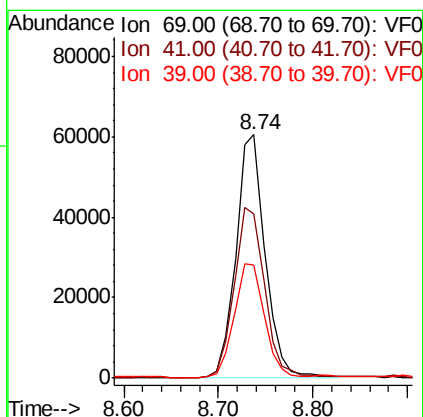
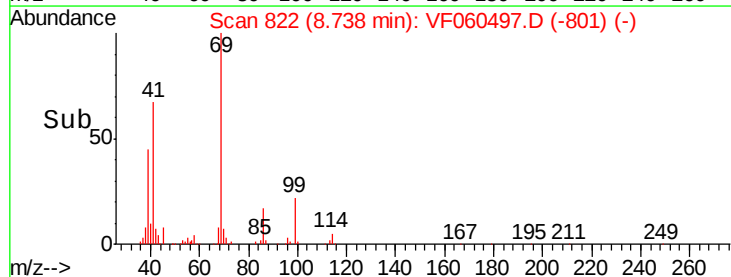
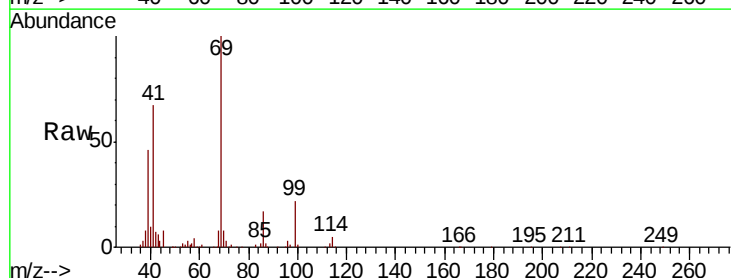
RT: 8.74 min Scan# 822

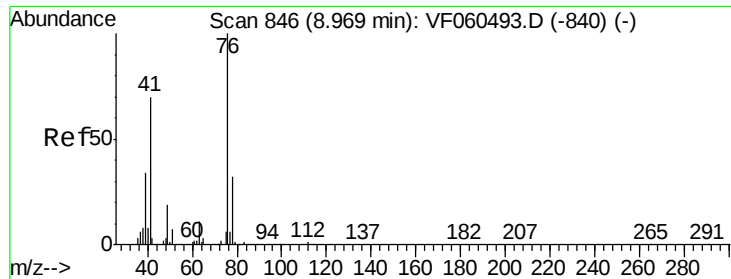
Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	69	Resp:	129678
Ion	Ratio	Lower	Upper
69	100		
41	67.3	59.3	88.9
39	46.4	41.8	62.6





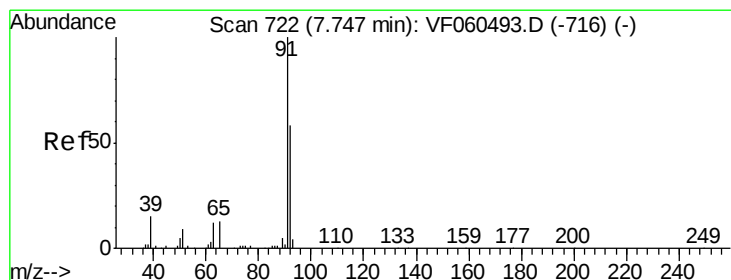
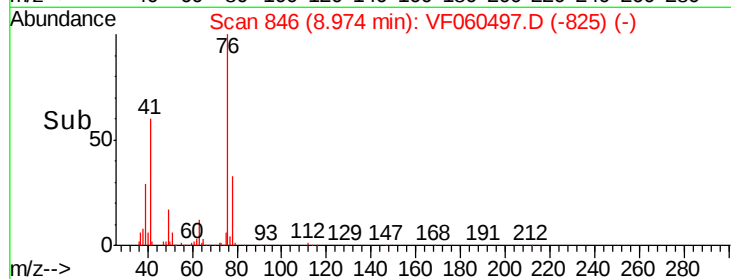
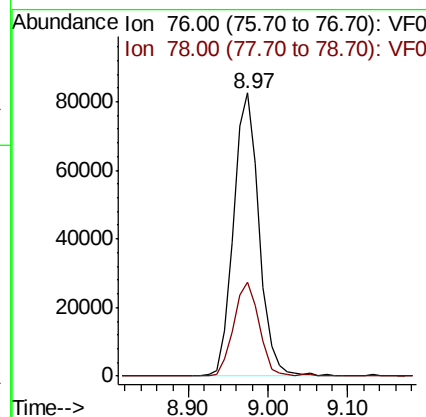
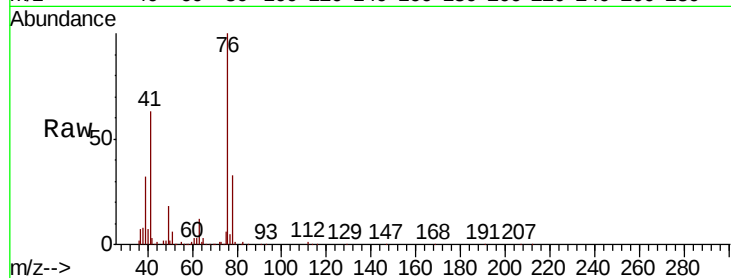
#57
 1,3-Dichloropropane
 Concen: 51.135 ug/l
 RT: 8.97 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.3	37.9

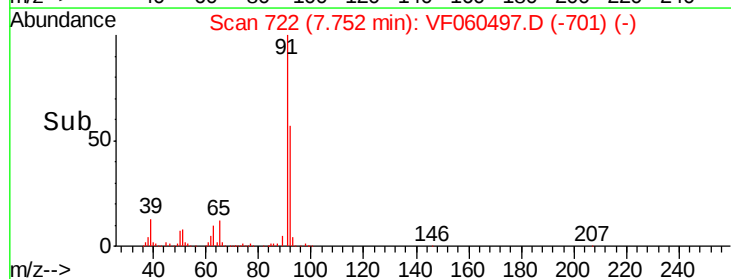
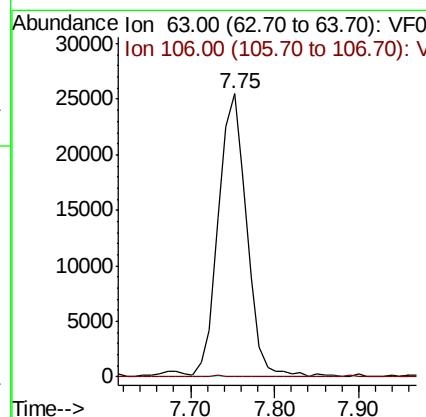
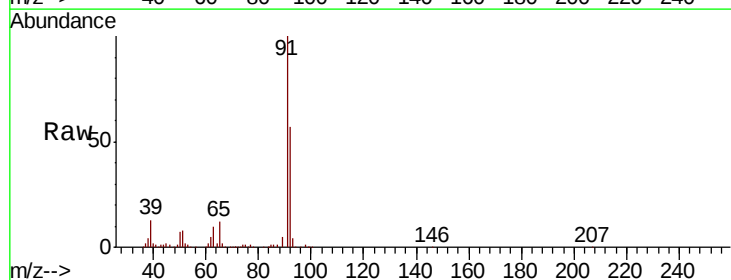
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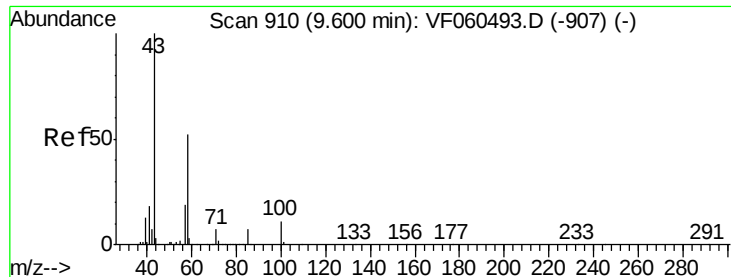
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.230 ug/l
 RT: 7.75 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





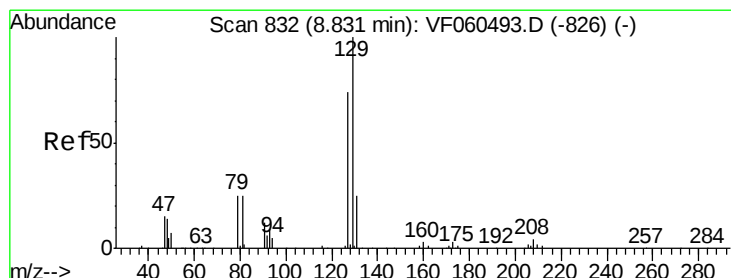
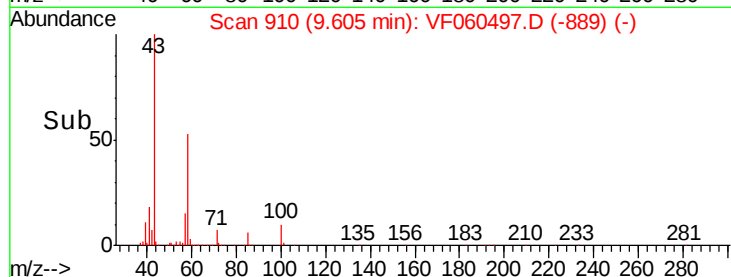
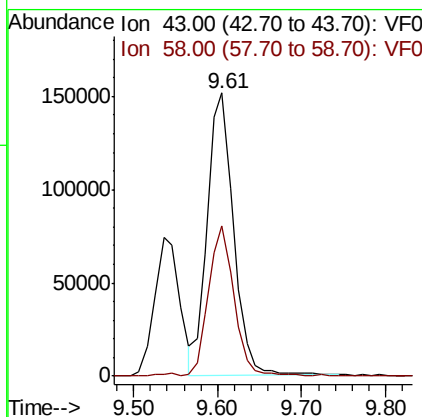
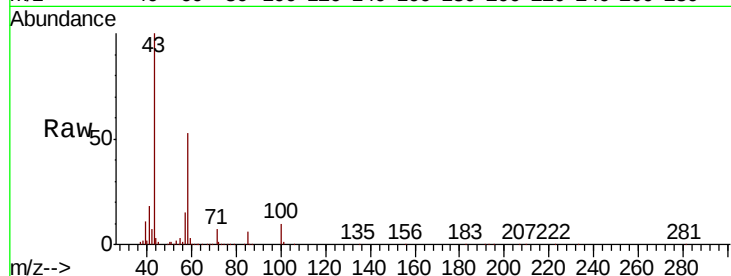
#59
2-Hexanone
Concen: 276.825 ug/l
RT: 9.61 min Scan# 910
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	24.2	72.6

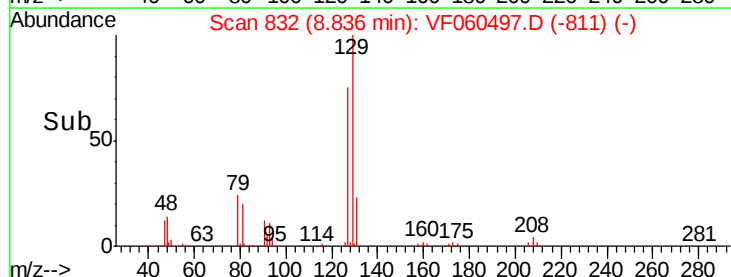
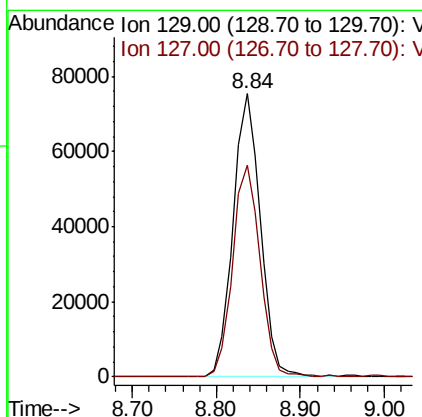
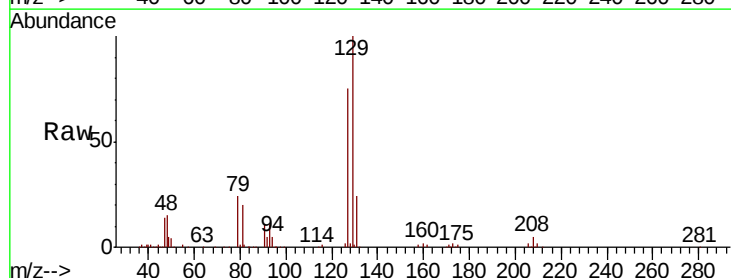
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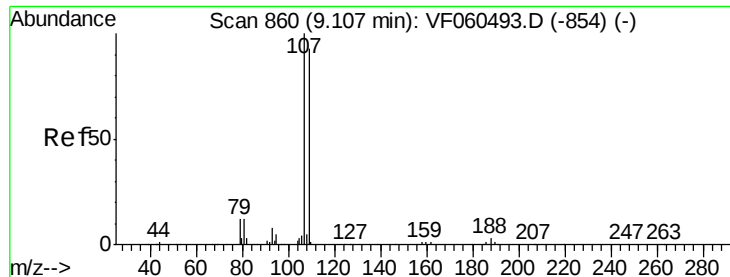
apatel
10/10/2018 12:34:06 PM



#60
Dibromochloromethane
Concen: 51.507 ug/l
RT: 8.84 min Scan# 832
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	37.0	110.9





#61

1,2-Dibromoethane

Concen: 51.625 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion:107 Resp: 123240

Ion Ratio Lower Upper

107 100

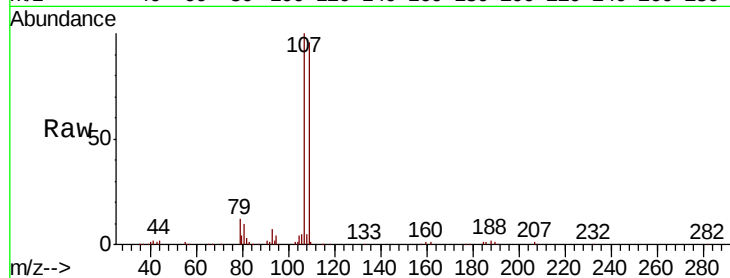
109 96.4 74.6 112.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

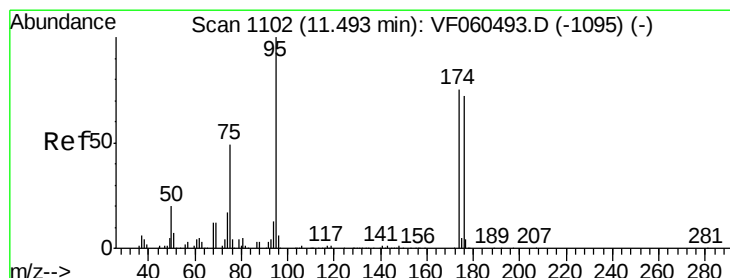
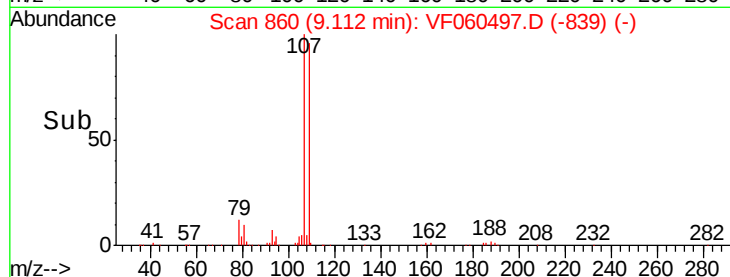
20000

10000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 49.798 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

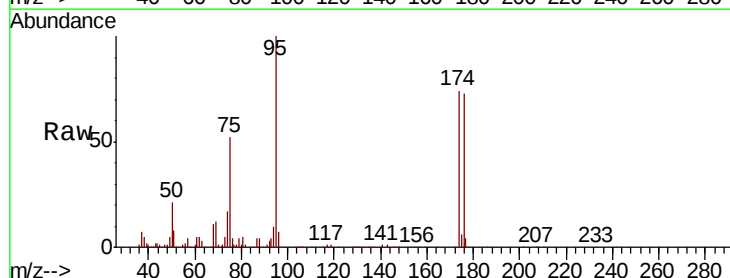
Tgt Ion: 95 Resp: 220943

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.4

176 73.4 0.0 144.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

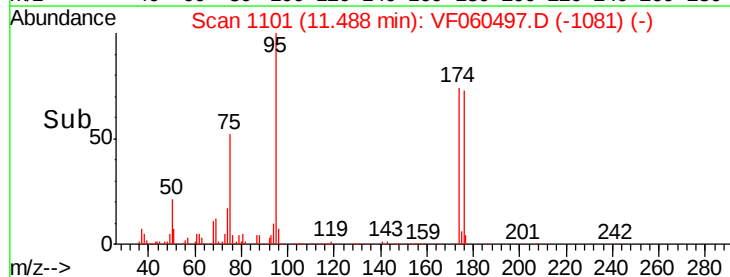
100000

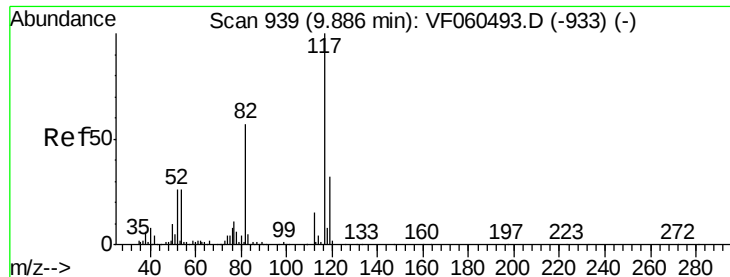
50000

0

11.40 11.50 11.60 11.70

Time-->





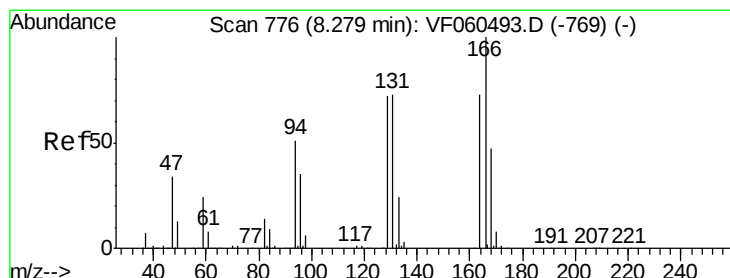
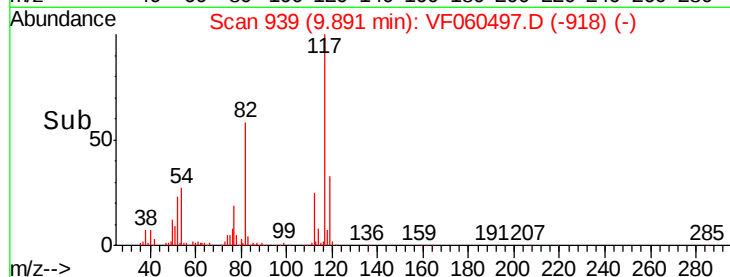
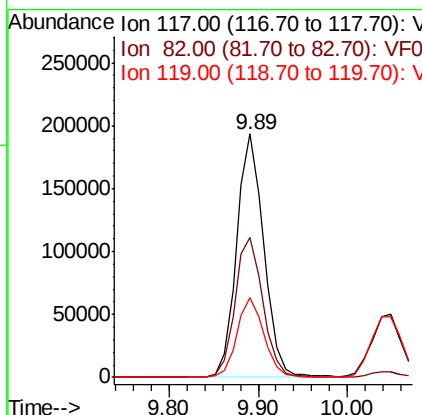
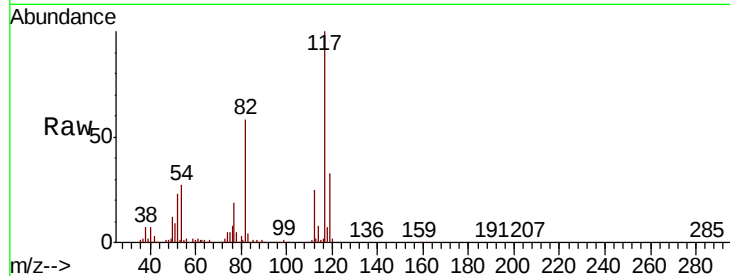
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.6	68.4
119	32.7	25.3	37.9

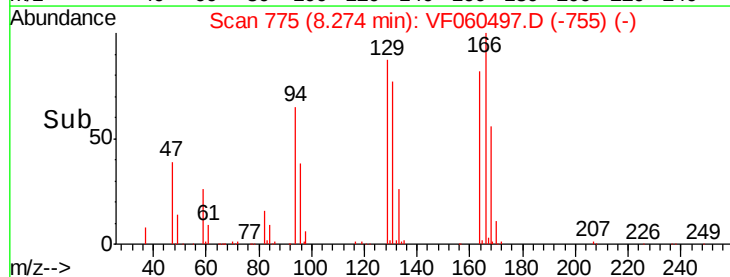
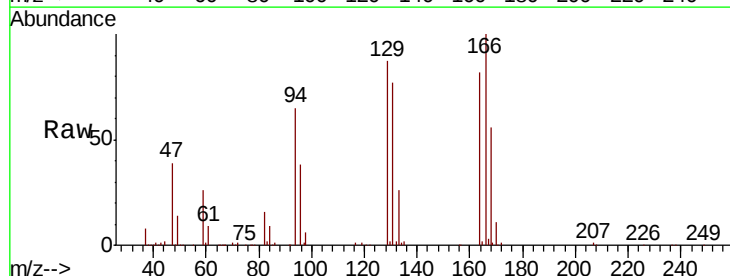
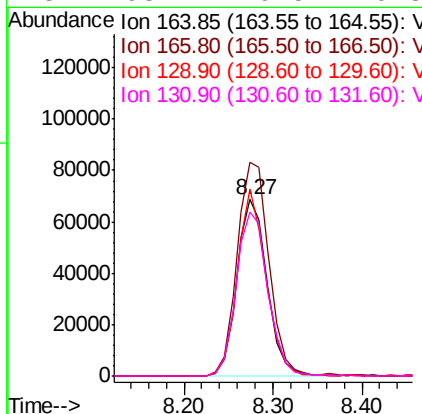
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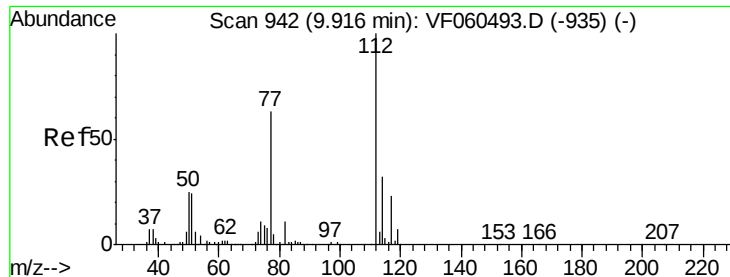
apatel
10/10/2018 12:34:06 PM



#64
Tetrachloroethene
Concen: 49.407 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	109.4	164.0
129	105.9	78.9	118.3
131	93.4	79.5	119.3





#65

Chlorobenzene

Concen: 50.679 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion:112 Resp: 404485

Ion Ratio Lower Upper

112 100

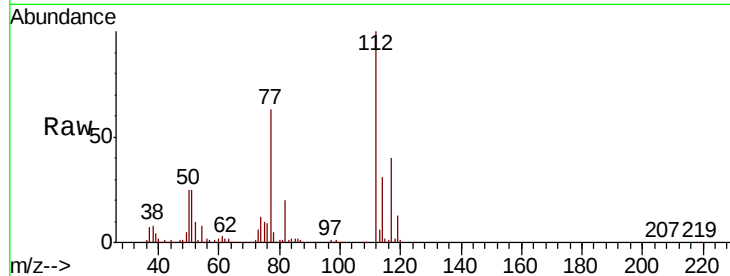
114 31.0 25.9 38.9

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

100000

50000

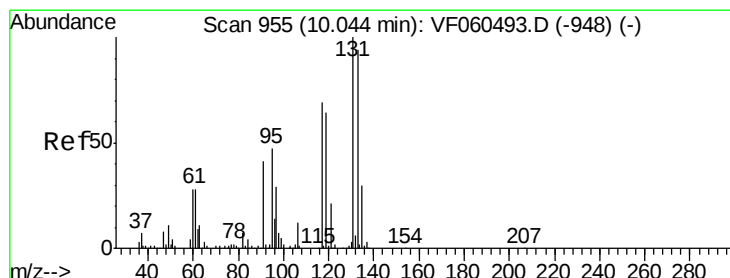
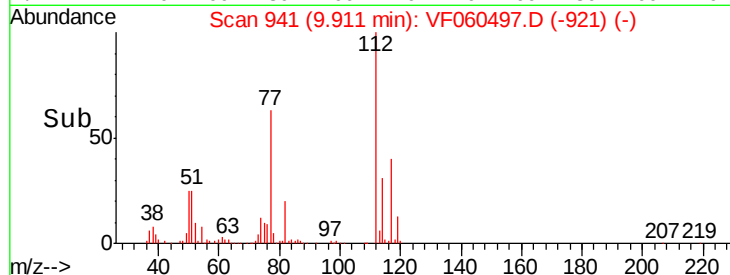
0

9.80

9.91

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.681 ug/l

RT: 10.05 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

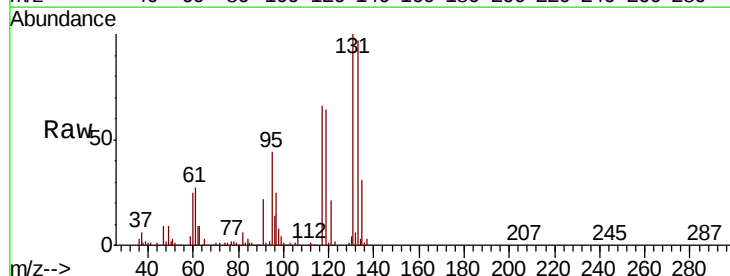
Tgt Ion:131 Resp: 175012

Ion Ratio Lower Upper

131 100

133 96.7 47.1 141.4

119 64.1 32.0 96.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

100000

80000

60000

40000

20000

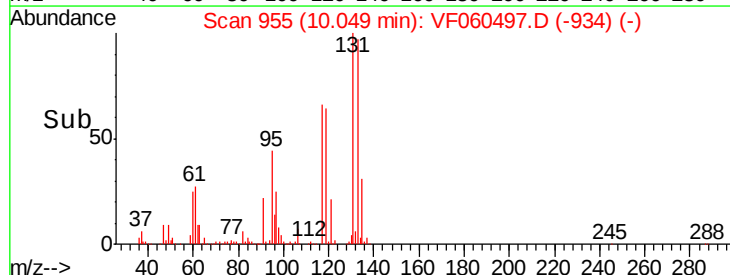
0

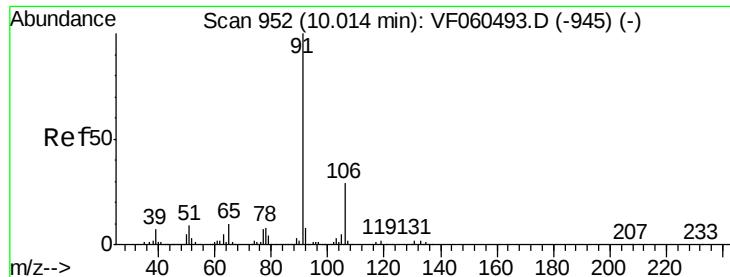
9.90

10.05

10.10

Time-->





#67

Ethyl Benzene

Concen: 51.386 ug/l

RT: 10.01 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 91 Resp: 773762

Ion Ratio Lower Upper

91 100

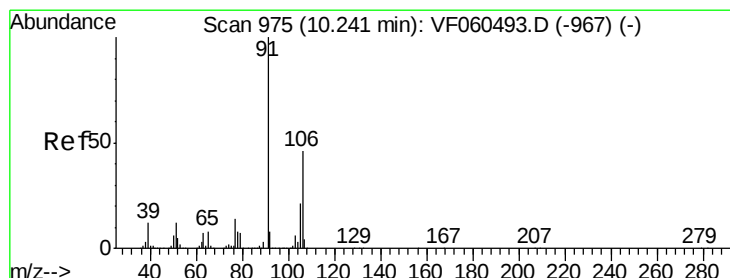
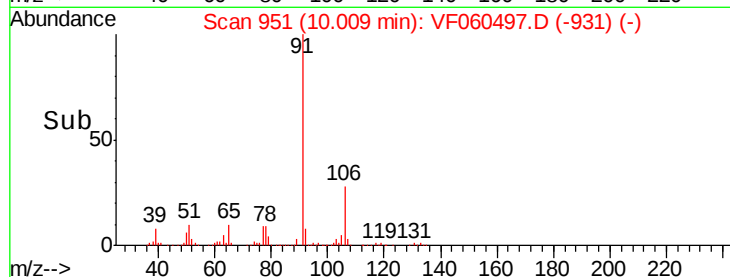
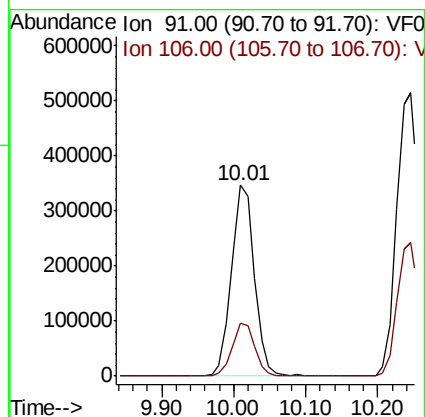
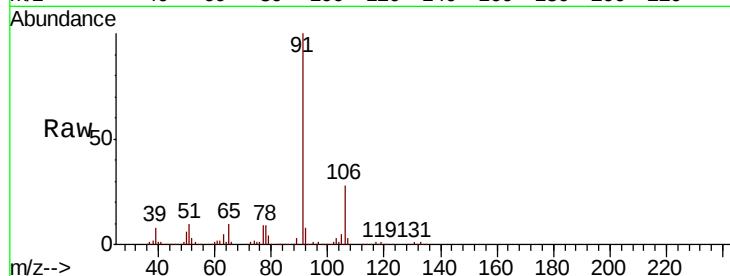
106 27.9 23.3 34.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.629 ug/l

RT: 10.25 min Scan# 975

Delta R.T. 0.00 min

Lab File: VF060497.D

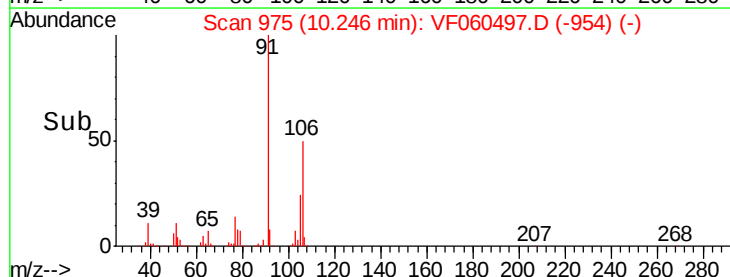
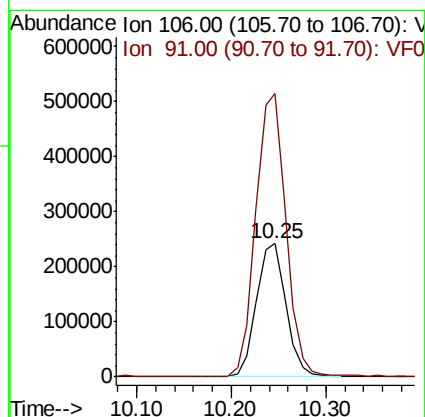
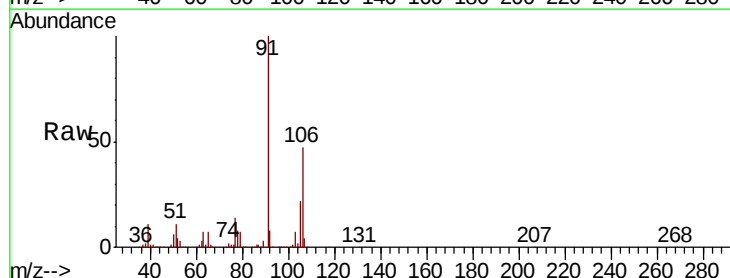
Acq: 9 Oct 2018 18:36

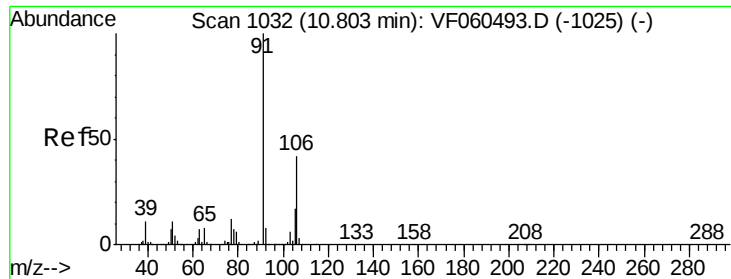
Tgt Ion: 106 Resp: 527543

Ion Ratio Lower Upper

106 100

91 212.8 174.6 262.0





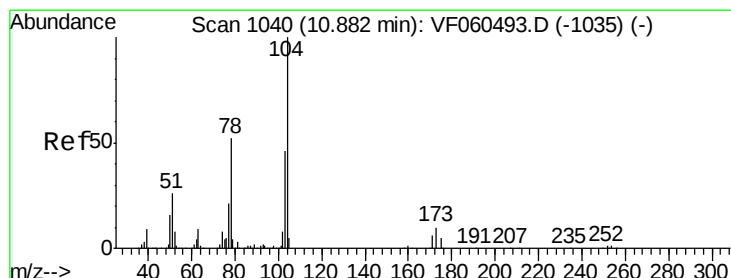
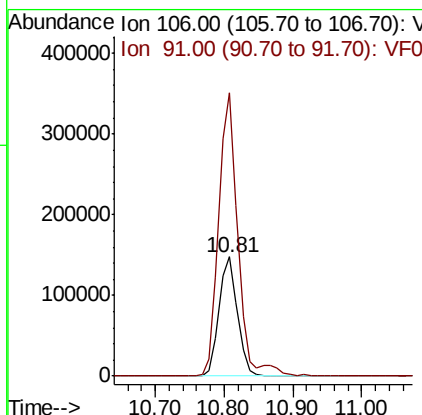
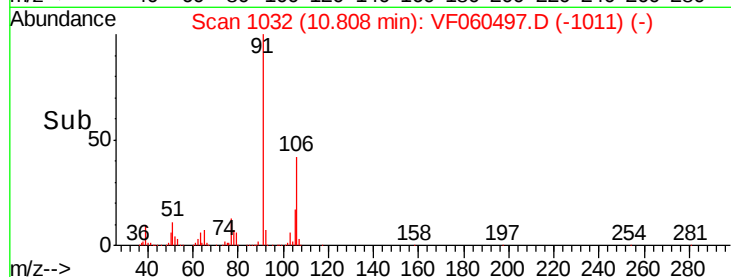
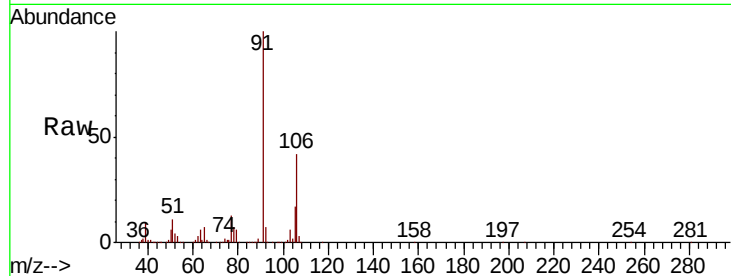
#69
o-Xylene
Concen: 49.367 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	275967		
91	91	236.9	118.8	356.3	

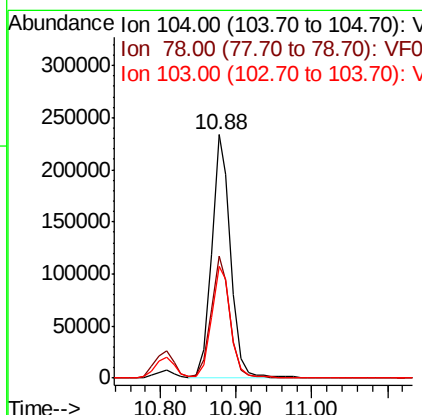
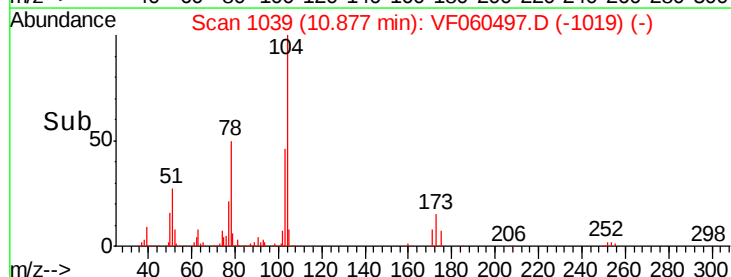
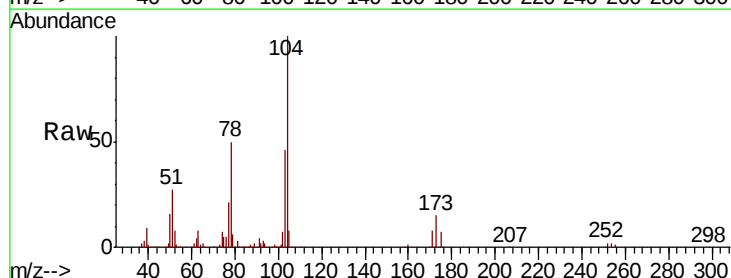
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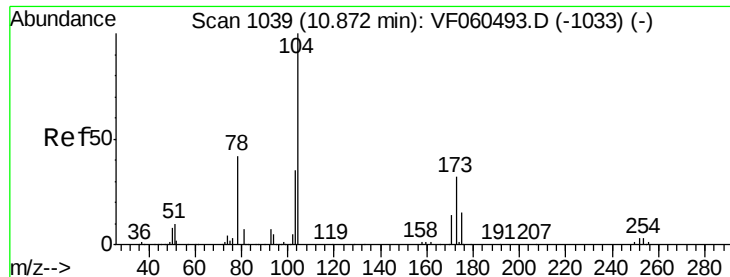
apatel
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#70
Styrene
Concen: 50.864 ug/l
RT: 10.88 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	409278		
78	78	50.3	42.7	64.1	
103	103	46.0	37.6	56.4	





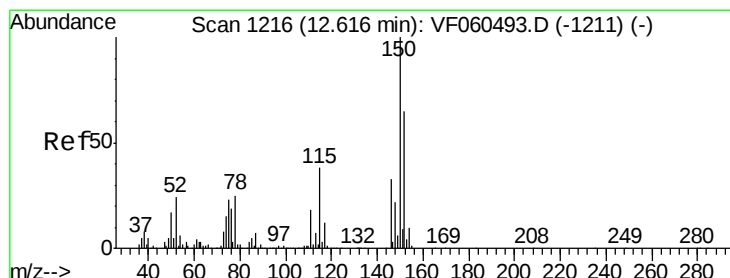
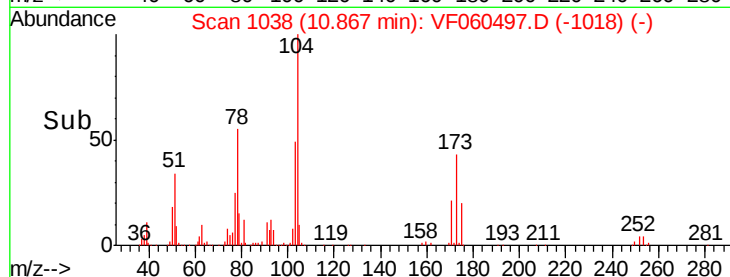
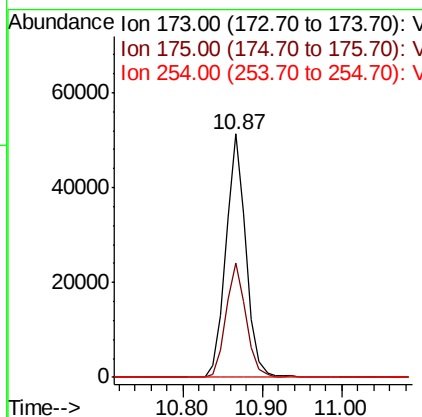
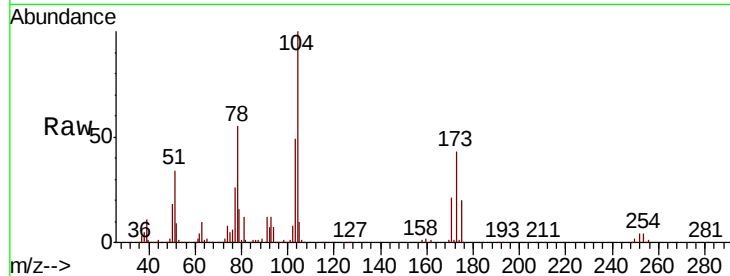
#71
Bromoform
Concen: 49.796 ug/l
RT: 10.87 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.2	69.6
254	0.3	0.2	0.2#

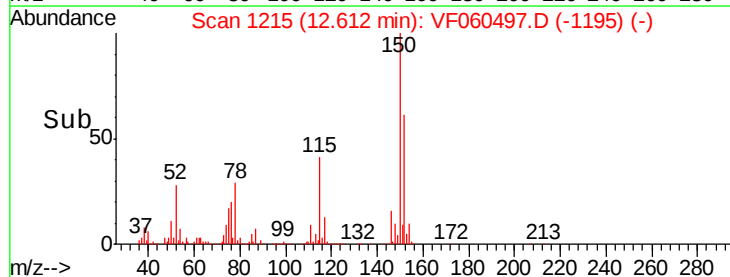
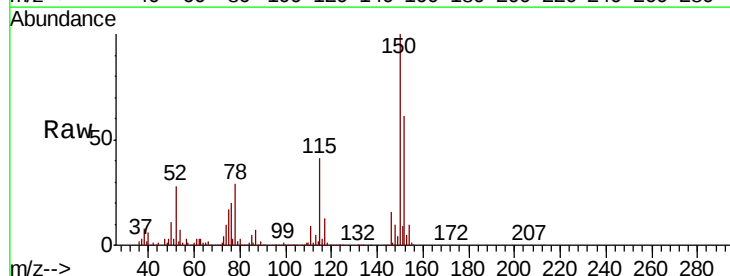
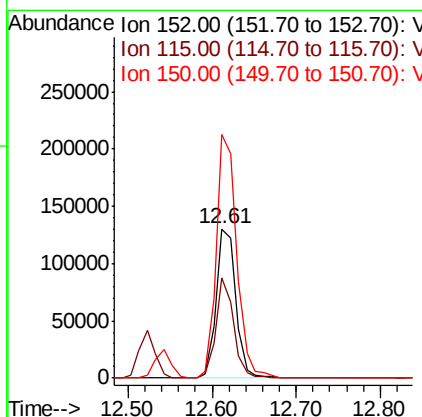
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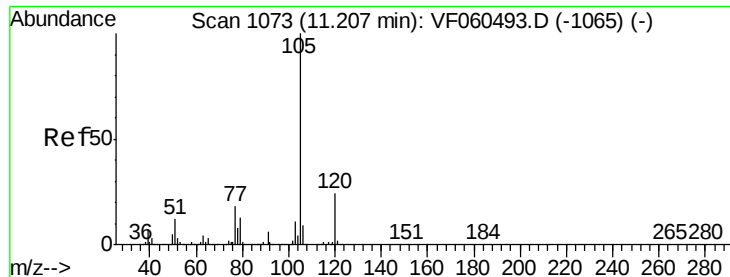
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.0	29.5	88.5
150	163.2	0.0	310.0





#73

Isopropylbenzene

Concen: 54.744 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion:105 Resp: 864832

Ion Ratio Lower Upper

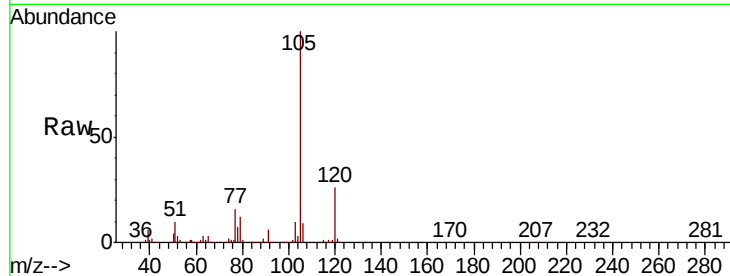
105 100

120 25.8 11.9 35.9

Manual Integrations
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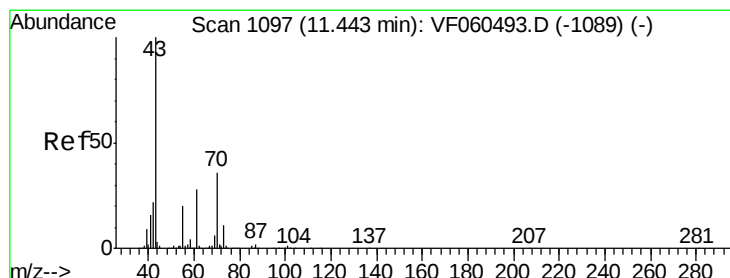
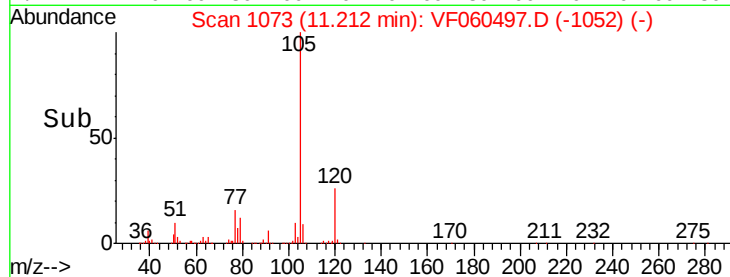
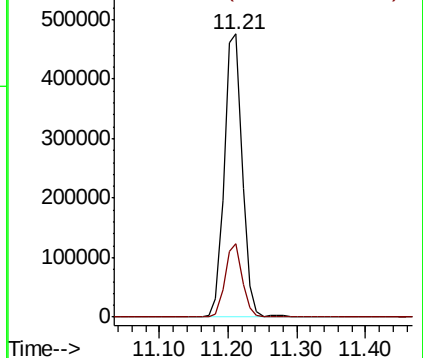
apatel

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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: 59.666 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion: 43 Resp: 205166

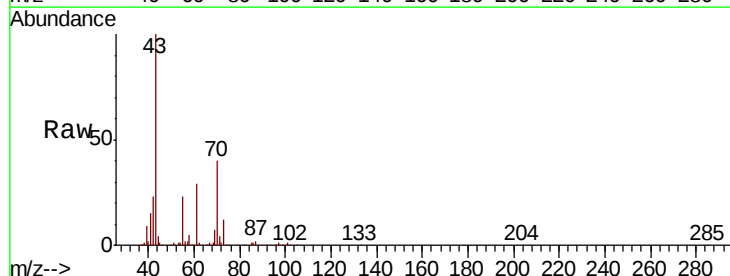
Ion Ratio Lower Upper

43 100

70 40.3 28.7 43.1

55 22.5 16.1 24.1

61 28.7 22.7 34.1

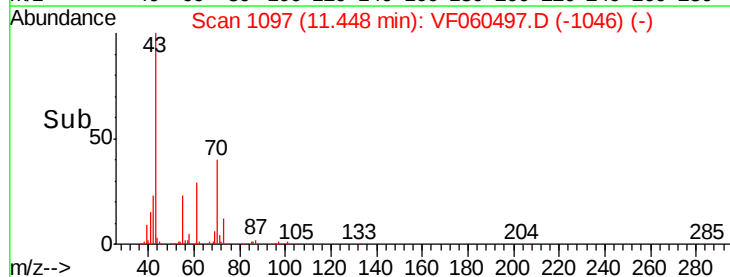
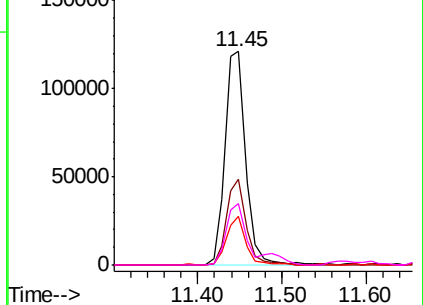


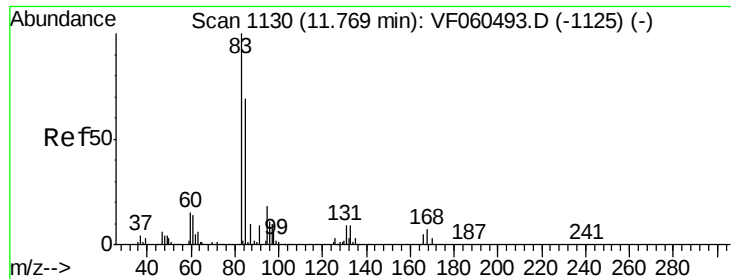
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 53.490 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

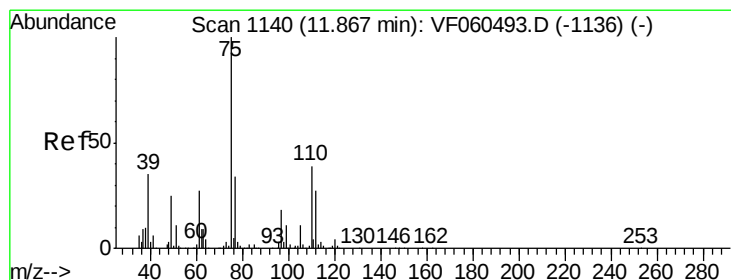
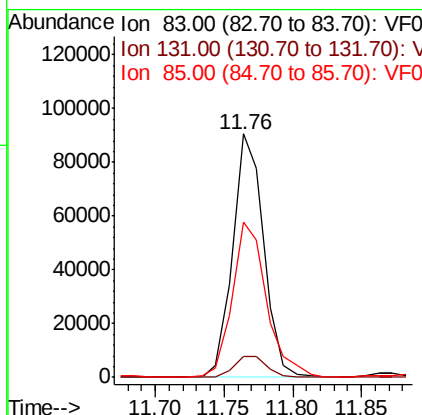
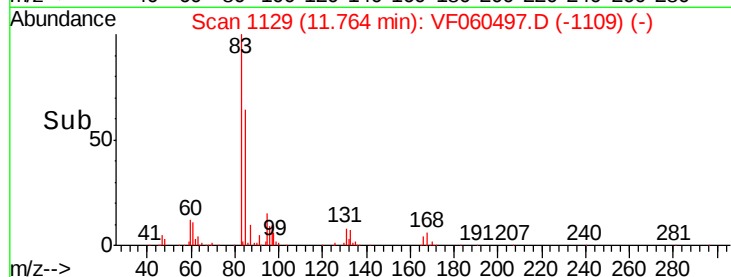
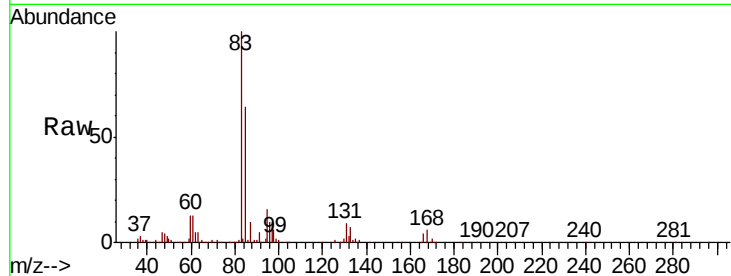
ClientSampleId :

ICVVF100918

Tot Ion:	83	Resp:	142032
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.4
85	63.7	34.8	104.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.970 ug/l

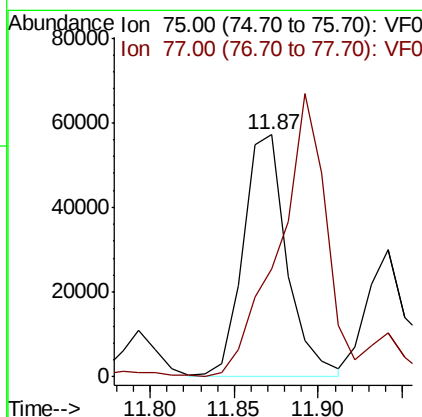
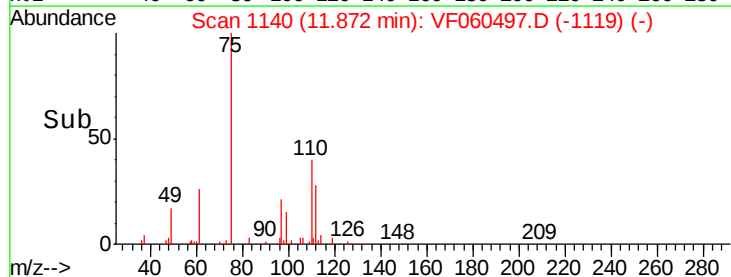
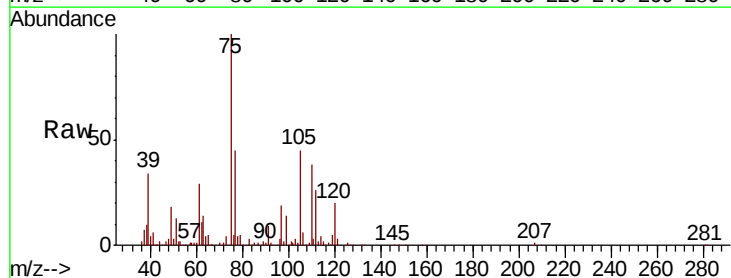
RT: 11.87 min Scan# 1140

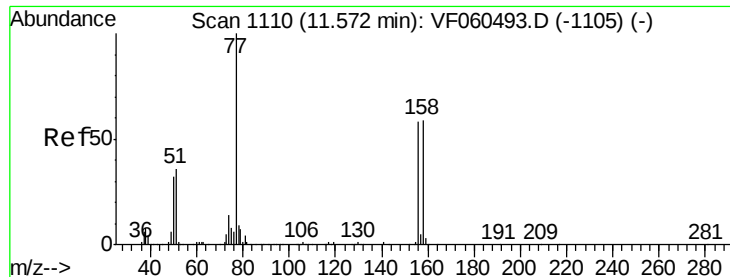
Delta R.T. 0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	75	Resp:	102574
Ion Ratio	Lower	Upper	
75	100		
77	44.6	17.4	52.2





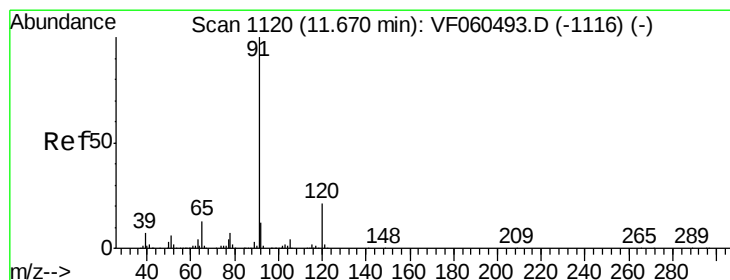
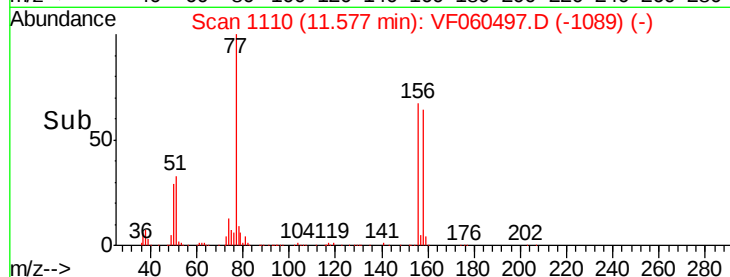
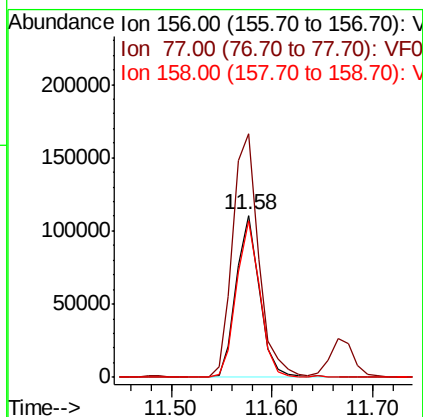
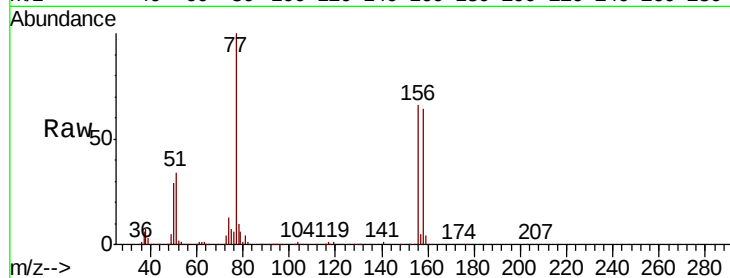
#77
Bromobenzene
Concen: 50.984 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.6	86.3	258.8
158	96.6	51.1	153.3

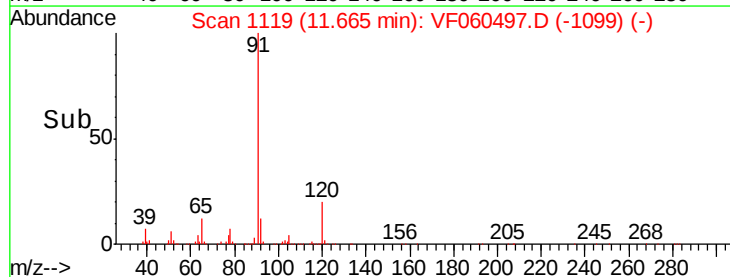
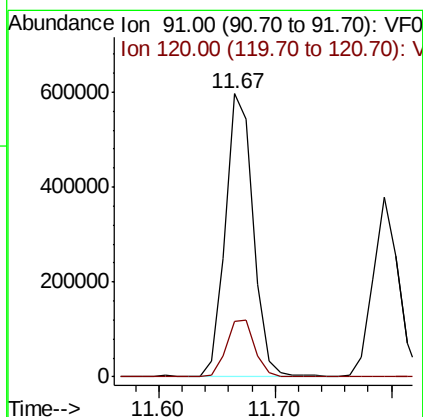
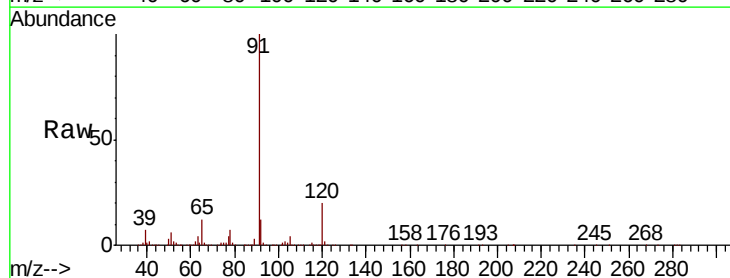
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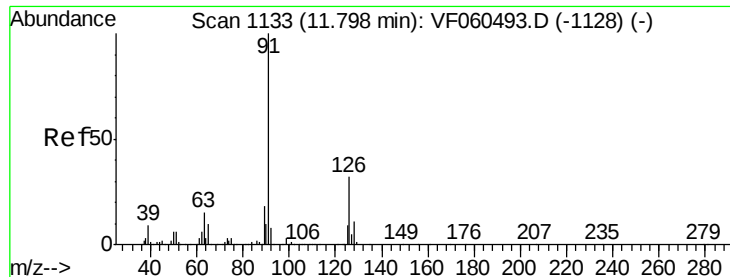
apatel
10/10/2018 12:34:06 PM



#78
n-propylbenzene
Concen: 52.358 ug/l
RT: 11.67 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.5	10.5	31.6





#79

2-Chlorotoluene

Concen: 51.451 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

ICVVF100918

Tot Ion: 91 Resp: 566733

Ion Ratio Lower Upper

91 100

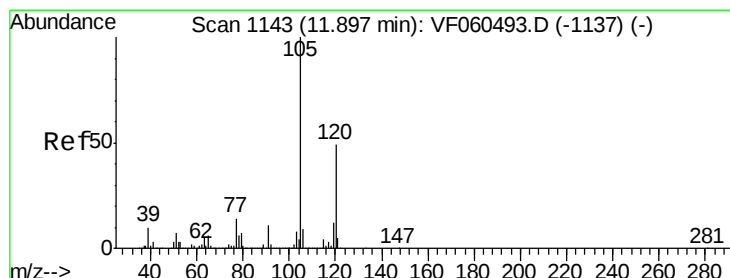
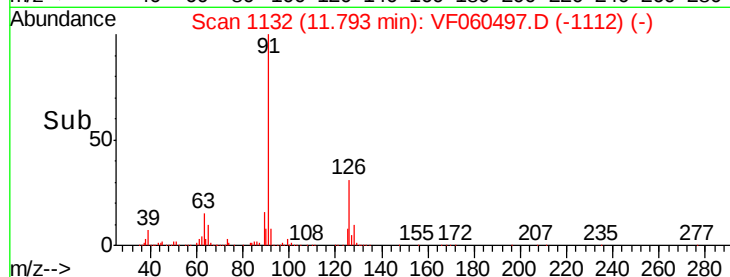
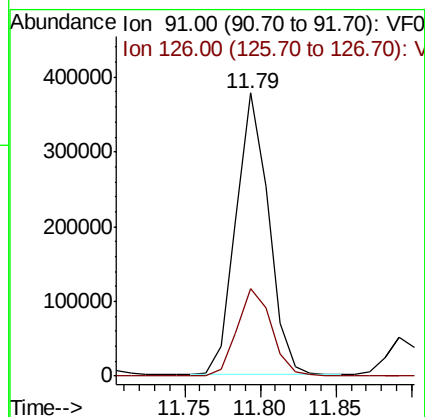
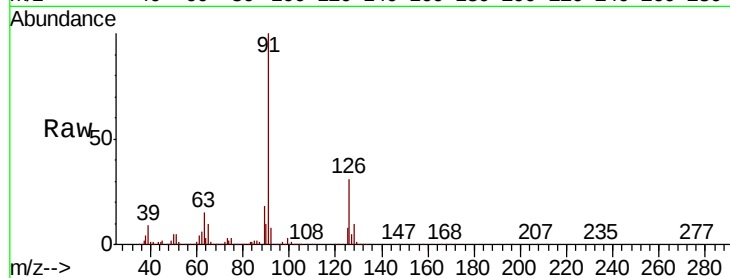
126 31.1 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.752 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060497.D

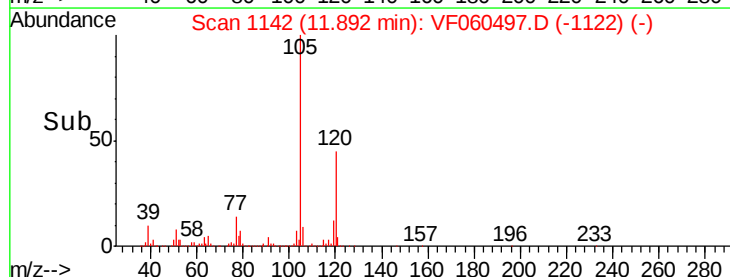
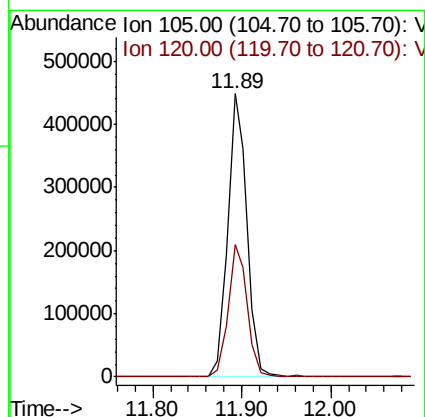
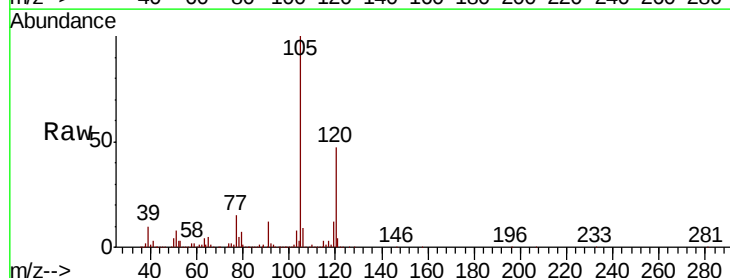
Acq: 9 Oct 2018 18:36

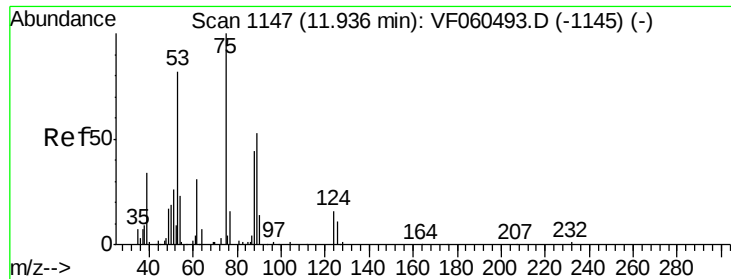
Tgt Ion: 105 Resp: 685876

Ion Ratio Lower Upper

105 100

120 46.6 24.4 73.2





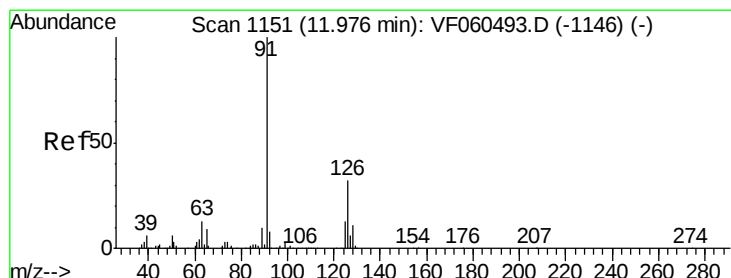
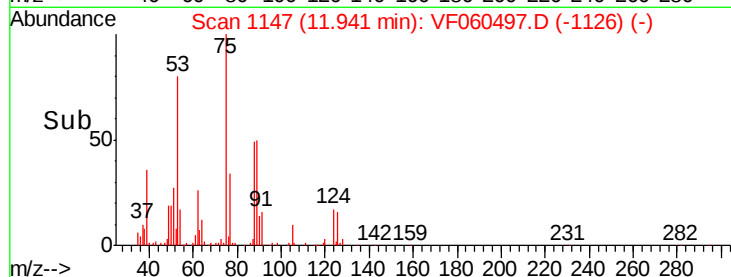
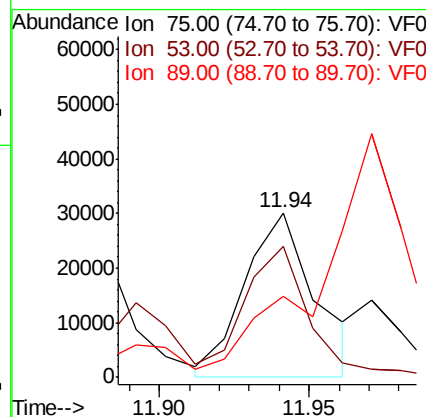
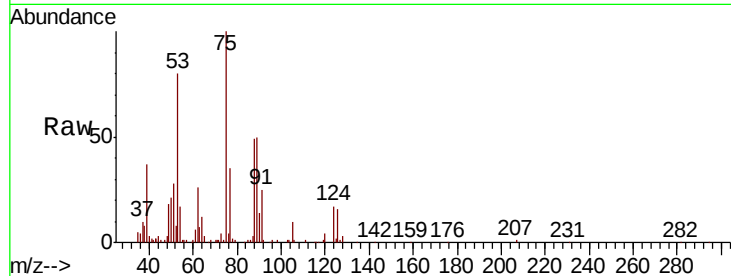
#81
trans-1,4-Dichloro-2-butene
Concen: 55.115 ug/l m
RT: 11.94 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.0	71.0	106.6
89	49.7	43.1	64.7

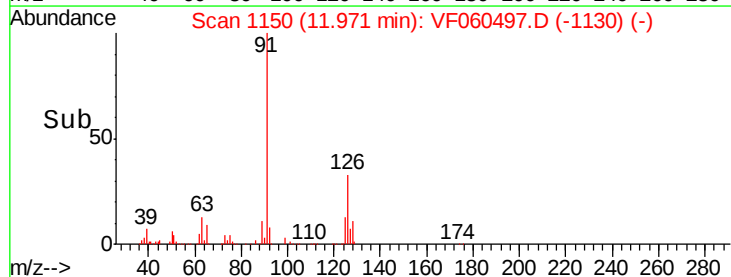
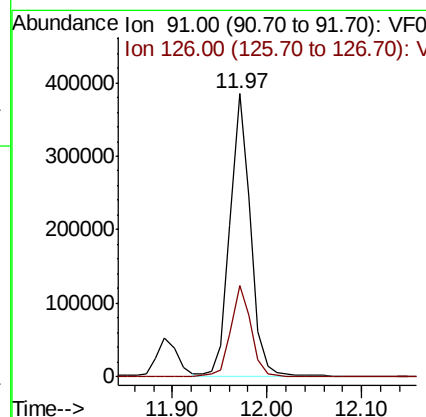
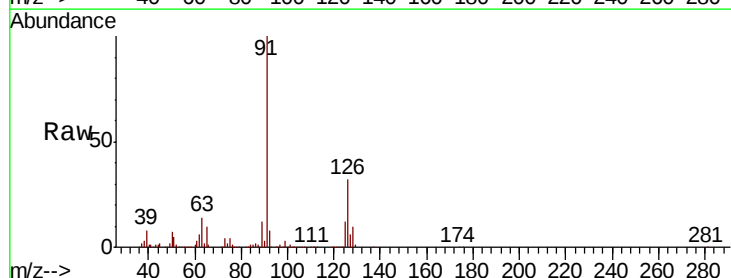
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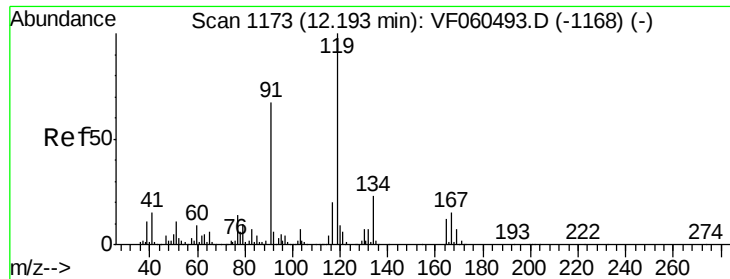
apatel
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#82
4-Chlorotoluene
Concen: 50.724 ug/l
RT: 11.97 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9





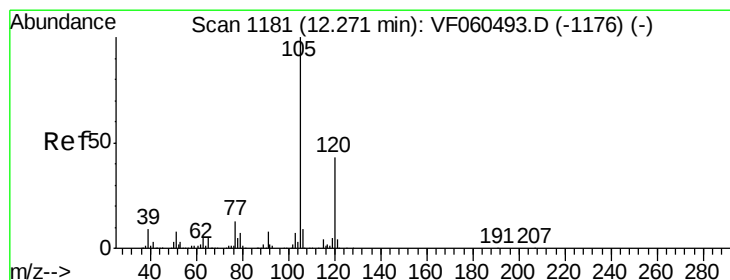
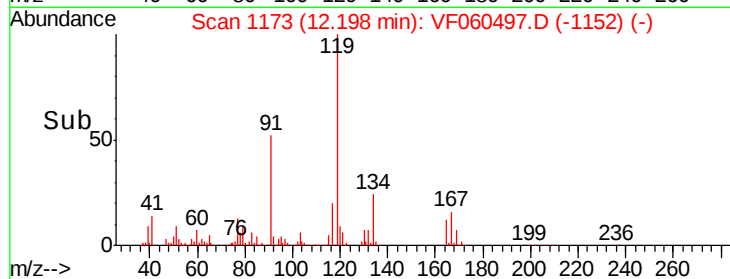
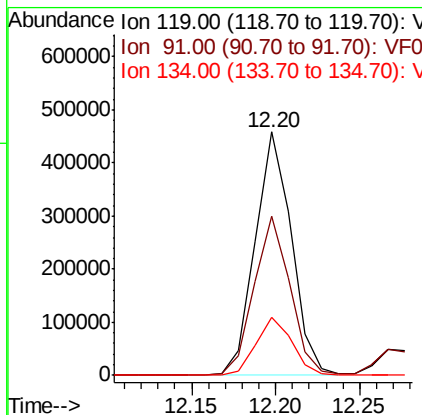
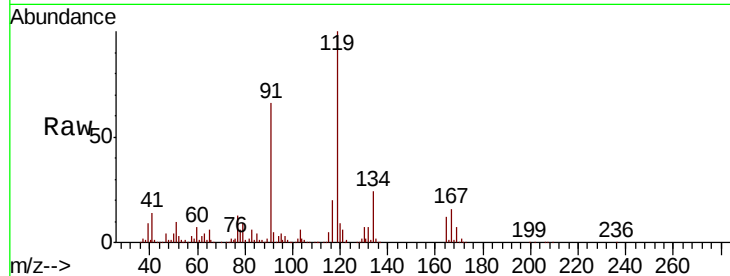
#83
tert-Butylbenzene
Concen: 51.747 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	33.6	100.8
134	23.9	11.5	34.5

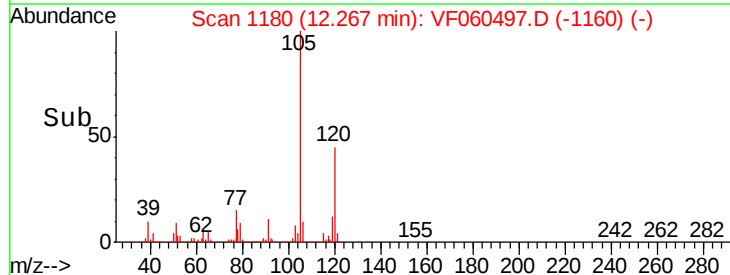
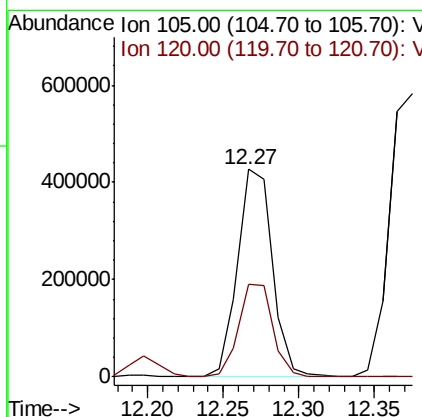
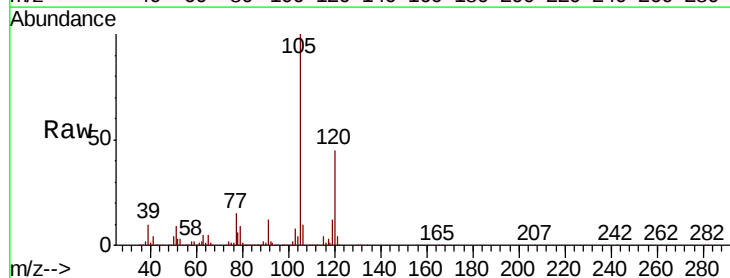
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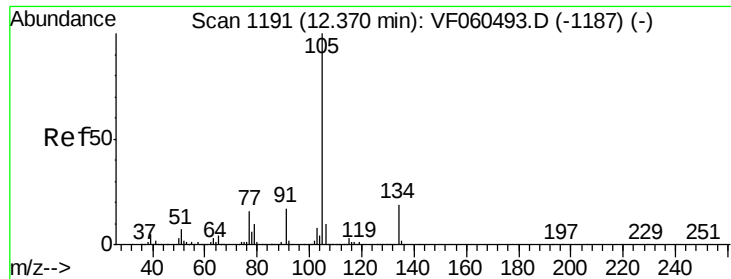
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#84
1,2,4-Trimethylbenzene
Concen: 50.799 ug/l
RT: 12.27 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.7	65.1





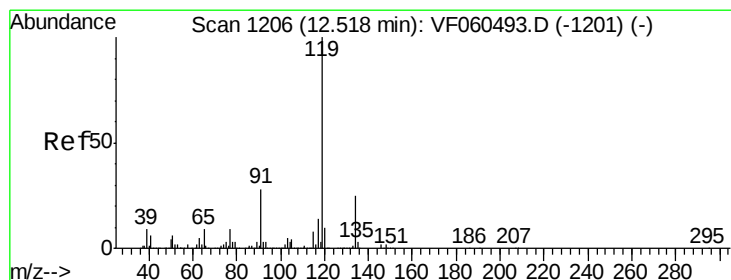
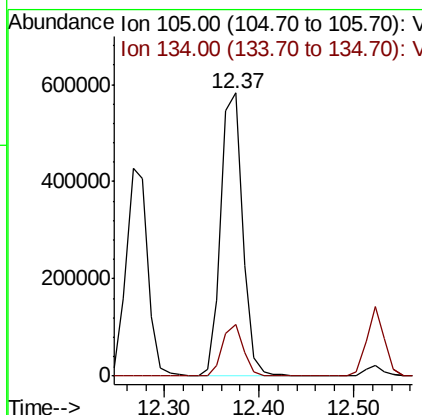
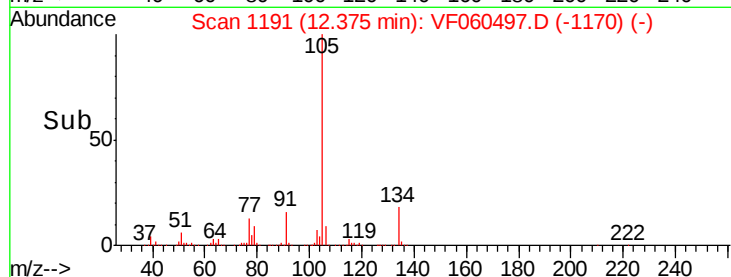
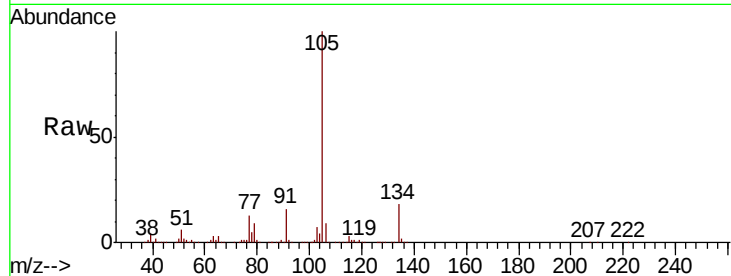
#85
 sec-Butylbenzene
 Concen: 51.491 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.3	27.9

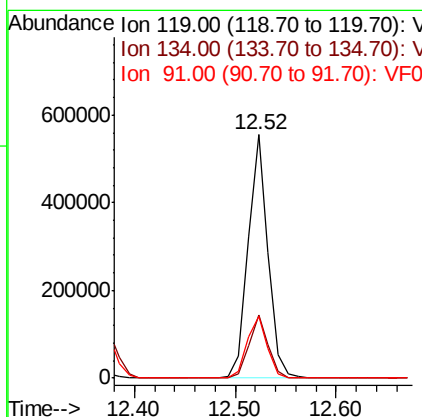
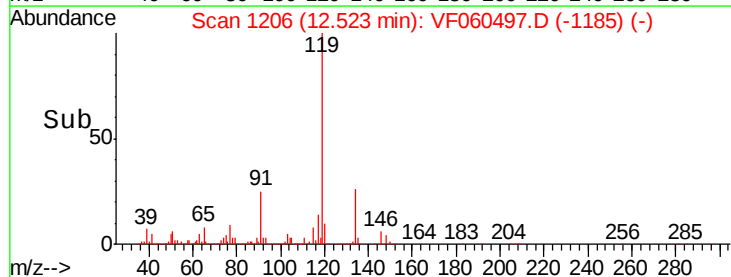
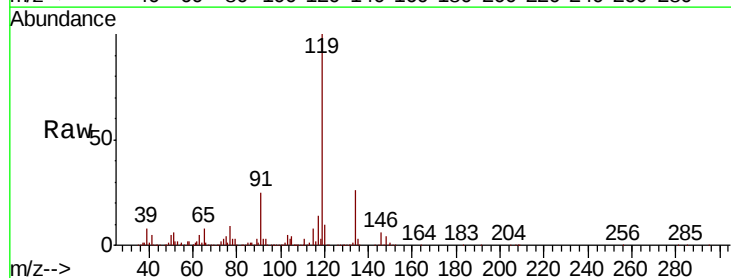
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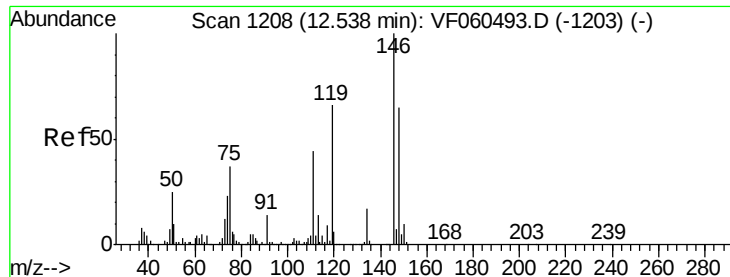
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#86
 p-Isopropyltoluene
 Concen: 51.345 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.6
91	25.3	14.1	42.4





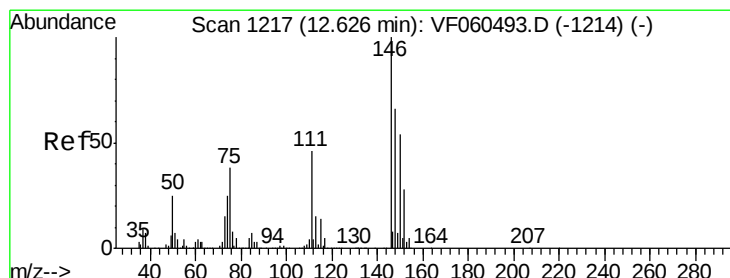
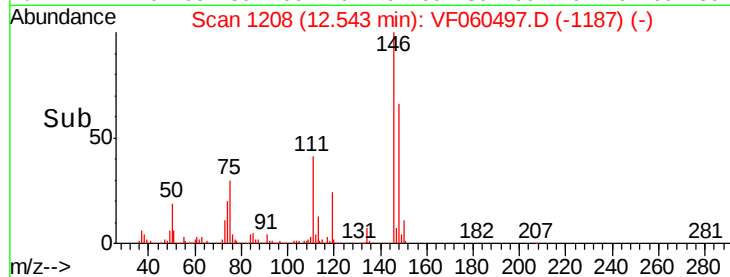
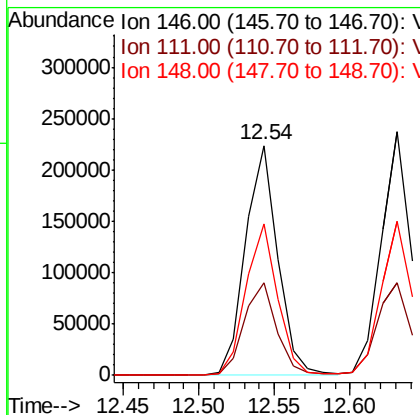
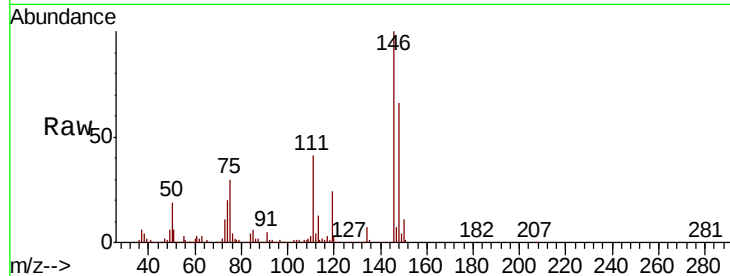
#87
 1,3-Dichlorobenzene
 Concen: 49.896 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	22.2	66.6
148	66.0	32.7	98.1

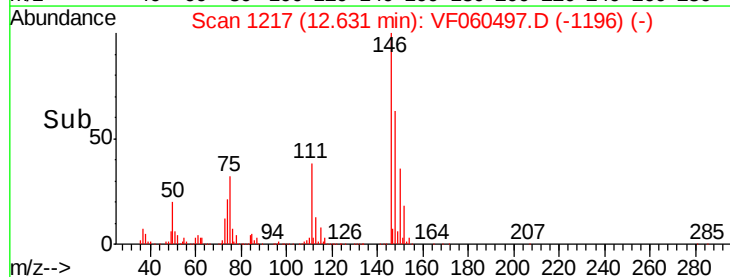
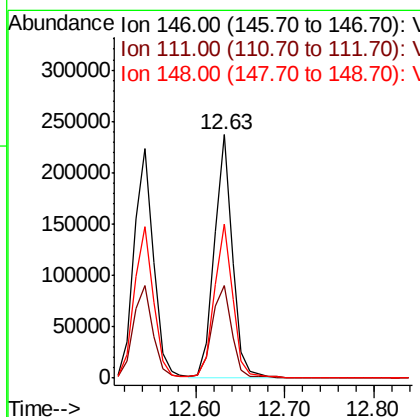
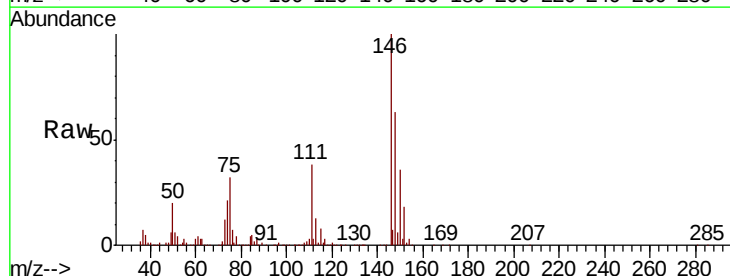
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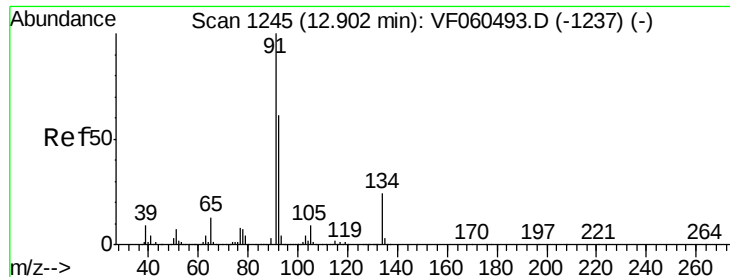
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#88
 1,4-Dichlorobenzene
 Concen: 52.017 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	23.2	69.6
148	63.0	33.3	99.9





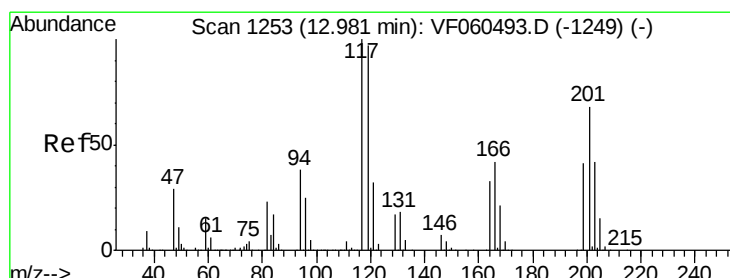
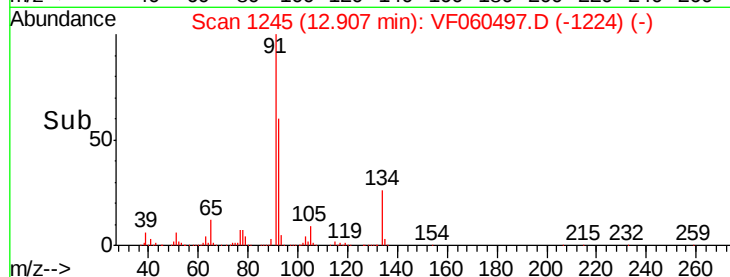
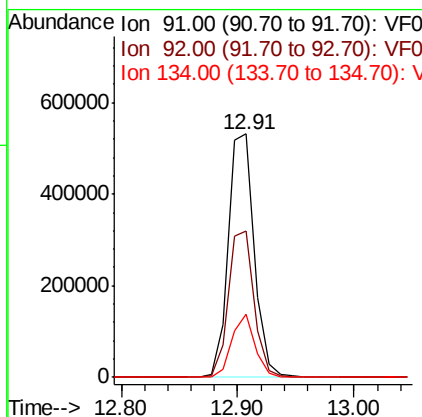
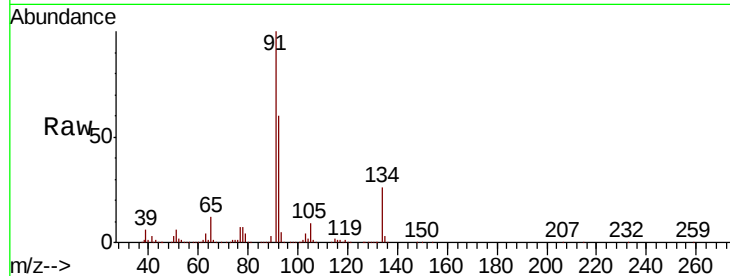
#89
n-Butylbenzene
Concen: 52.748 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
ICVVF100918

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	30.8	92.3
134	26.1	12.1	36.3

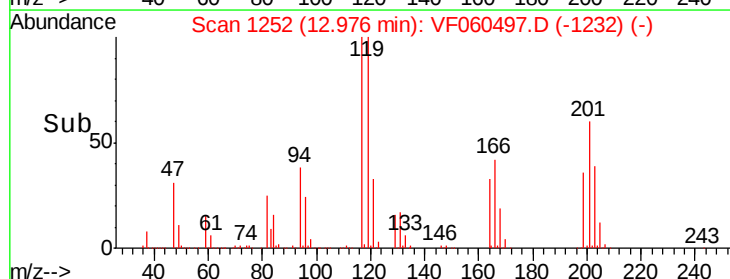
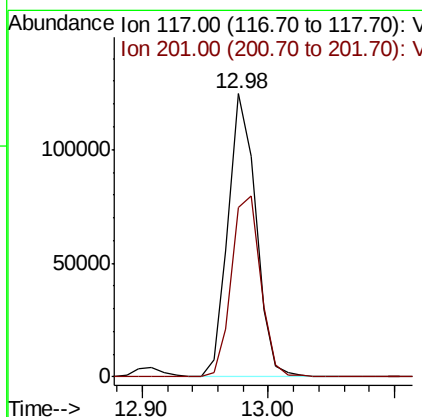
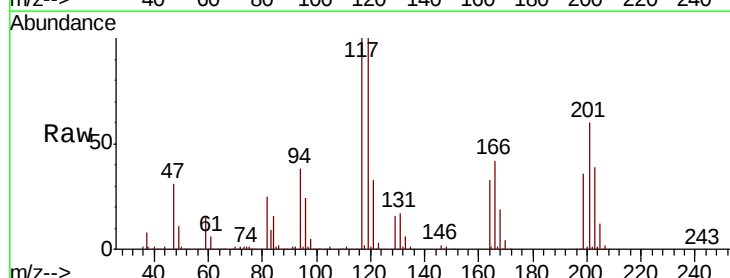
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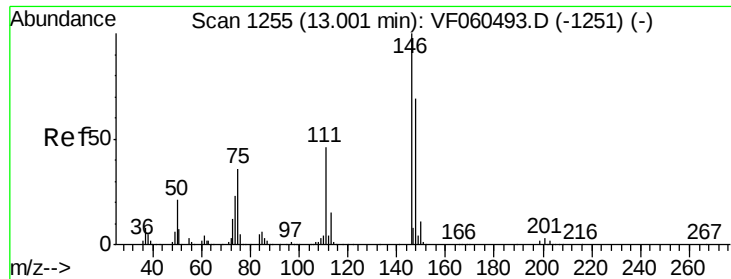
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#90
Hexachloroethane
Concen: 53.521 ug/l
RT: 12.98 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VF060497.D
Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.7	34.0	102.0





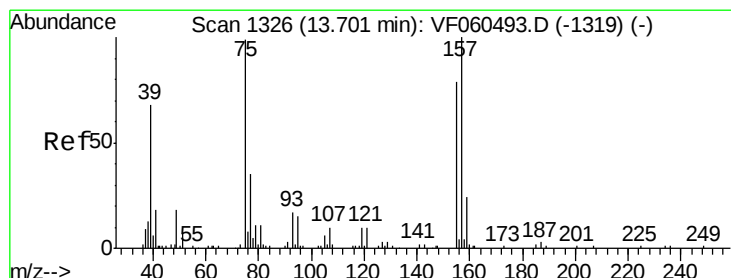
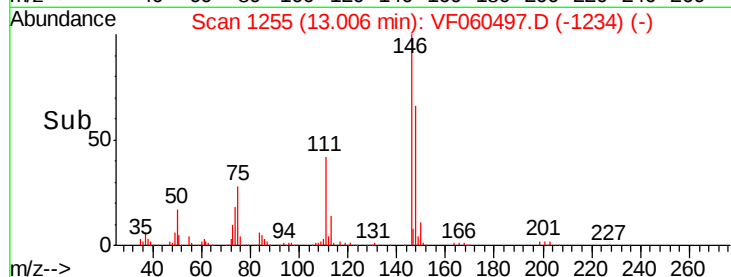
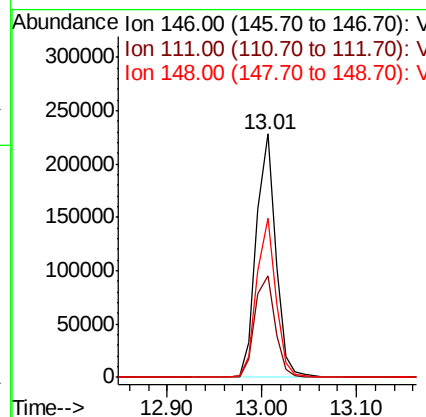
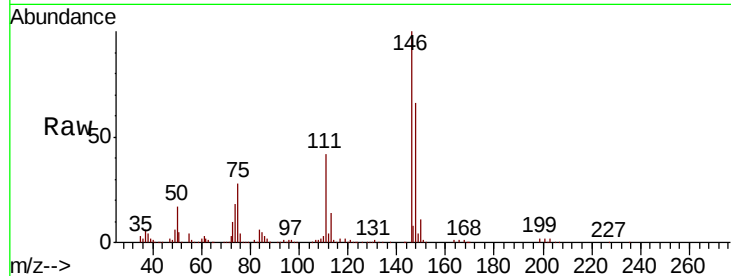
#91
 1,2-Dichlorobenzene
 Concen: 50.909 ug/l
 RT: 13.01 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.9	68.7
148	65.6	34.5	103.5

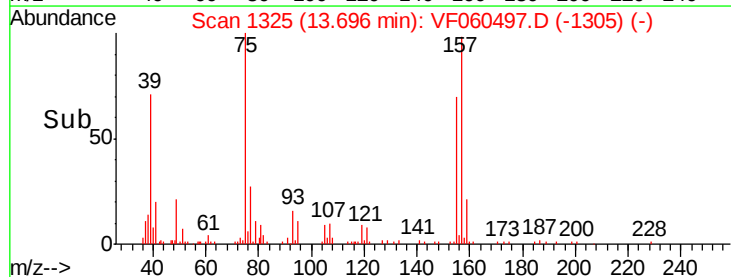
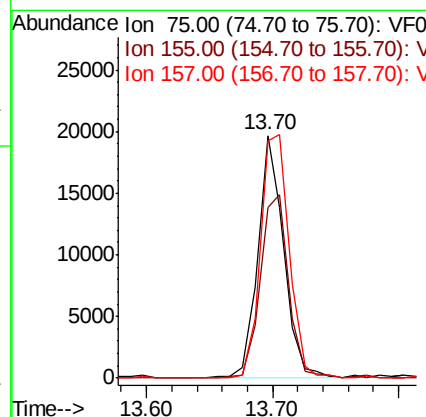
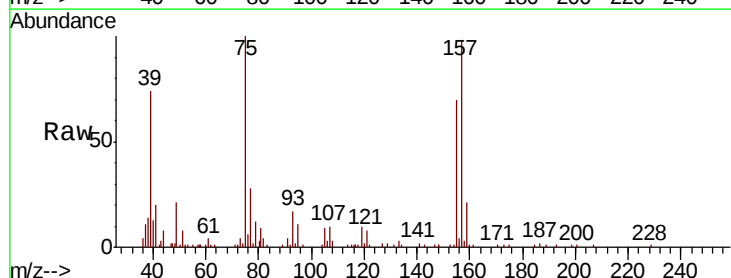
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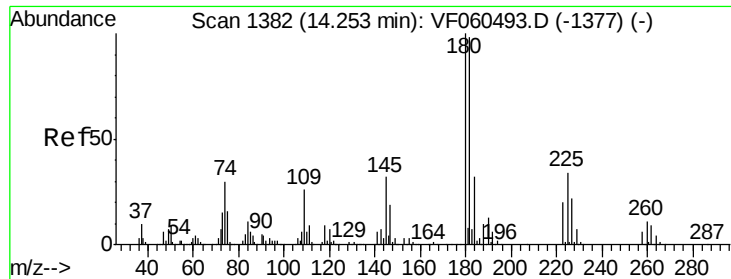
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.886 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	40.6	121.7
157	97.8	50.8	152.5





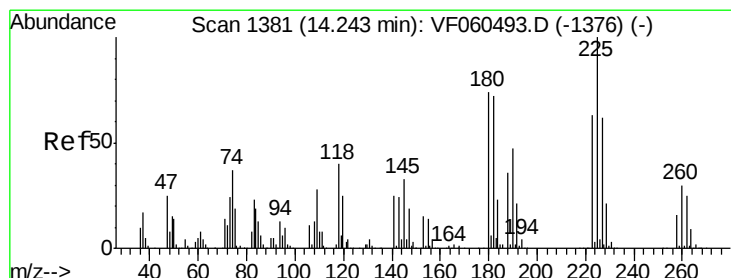
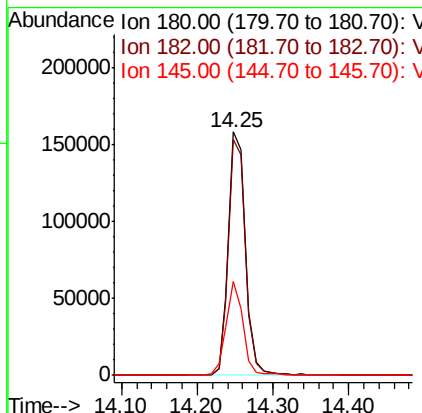
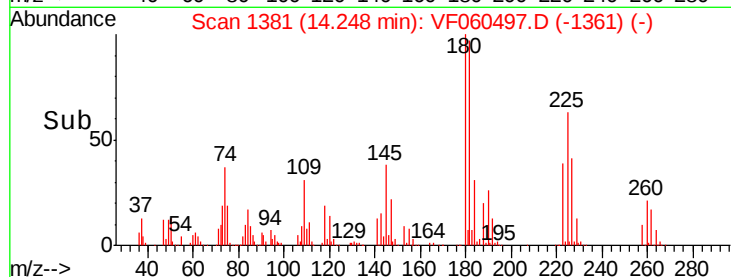
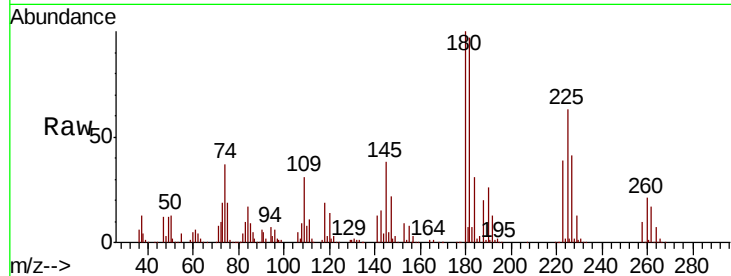
#93
 1,2,4-Trichlorobenzene
 Concen: 49.959 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF100918

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248362		
182	97.0	48.9	146.8	
145	38.4	16.2	48.5	

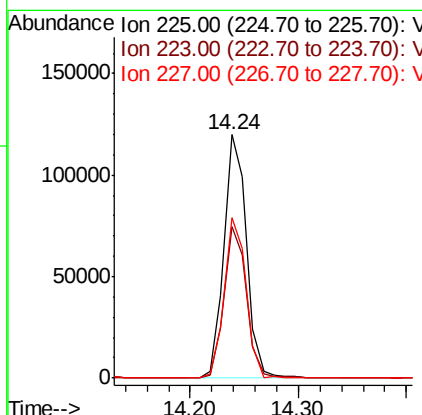
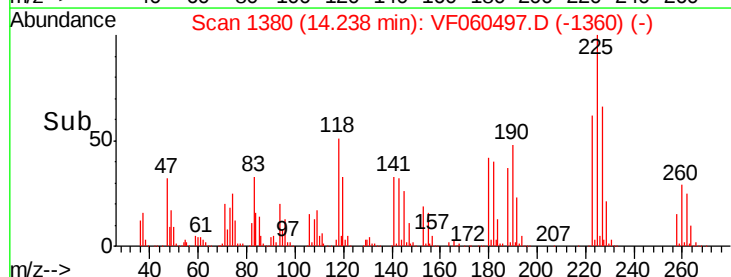
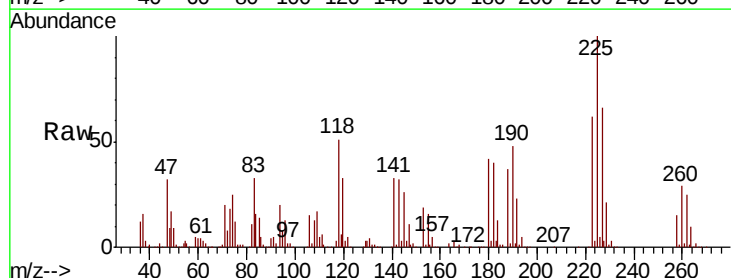
Manual Integrations
 APPROVED

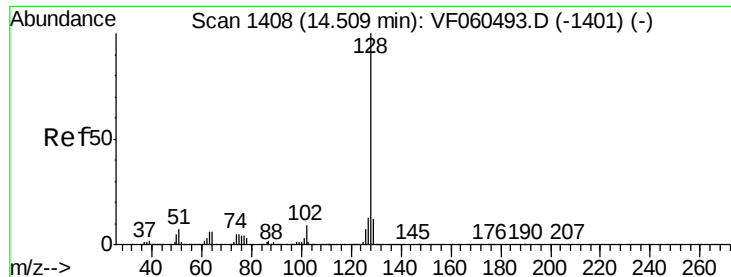
apatel
 10/10/2018 12:34:06 PM



#94
 Hexachlorobutadiene
 Concen: 51.431 ug/l
 RT: 14.24 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF060497.D
 Acq: 9 Oct 2018 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	173827		
223	62.1	31.4	94.2	
227	66.1	30.9	92.7	





#95

Naphthalene

Concen: 53.831 ug/l

RT: 14.50 min Scan# 1407

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Instrument :

MSVOA_F

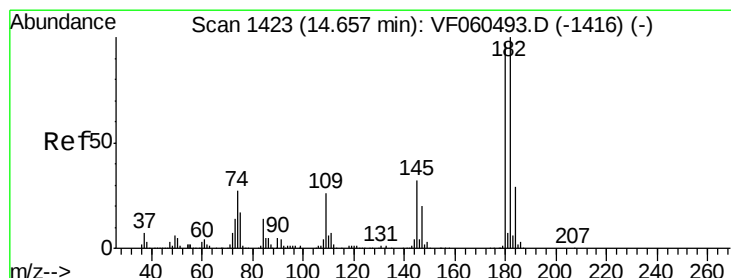
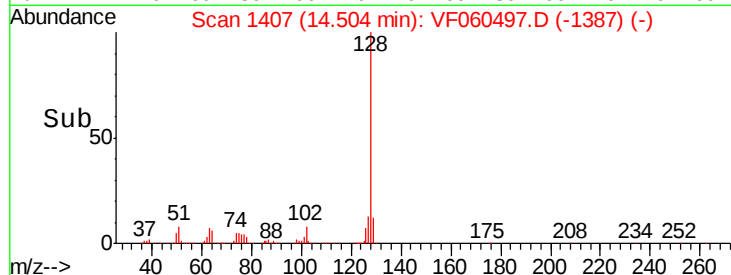
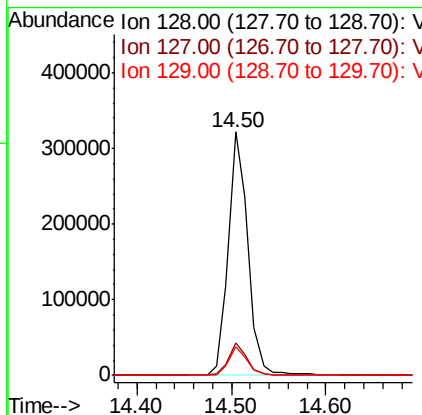
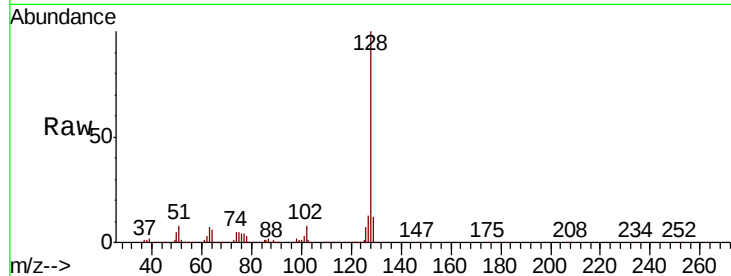
ClientSampleId :

ICVVF100918

Tot Ion:	128	Resp:	460031
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.2
129	12.0	9.2	13.8

Manual Integrations
APPROVED

apatel
10/10/2018 12:34:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.374 ug/l

RT: 14.65 min Scan# 1422

Delta R.T. -0.00 min

Lab File: VF060497.D

Acq: 9 Oct 2018 18:36

Tgt Ion:	180	Resp:	237937
Ion Ratio	Lower	Upper	
180	100		
182	100.5	51.3	153.9
145	33.0	16.4	49.2

