

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060461.D
 Acq On : 5 Oct 2018 17:45
 Operator : VA/AP
 Sample : VF1005SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Manual Integrations
 APPROVED

apatel
 10/8/2018 10:19:03 AM

Quant Time: Oct 08 09:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	191256	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	292925	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	256254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	144579	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	131754	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
35) Dibromofluoromethane	4.27	113	143241	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	7.69	98	341607	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.49	95	148648	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	120167	26.585	ug/l	99
3) Chloromethane	1.12	50	57939	22.309	ug/l	98
4) Vinyl Chloride	1.18	62	64030	23.700	ug/l	96
5) Bromomethane	1.36	94	52040	24.868	ug/l	100
6) Chloroethane	1.42	64	32626	24.200	ug/l	98
7) Trichlorofluoromethane	1.53	101	163678	26.113	ug/l	93
8) Diethyl Ether	1.70	74	13251	15.426	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.88	101	78991	26.309	ug/l #	84
10) Methyl Iodide	1.95	142	104656	22.857	ug/l	93
11) Tert butyl alcohol	2.67	59	12317	68.042	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	55286	23.831	ug/l #	95
13) Acrolein	2.09	56	10831	74.400	ug/l	100
14) Allyl chloride	2.18	41	89513	24.080	ug/l	93
15) Acrylonitrile	3.06	53	23910	77.085	ug/l	93
16) Acetone	2.33	43	64463	89.342	ug/l	99
17) Carbon Disulfide	1.87	76	168325	23.961	ug/l	95
18) Methyl Acetate	2.43	43	20596m	17.143	ug/l	
19) Methyl tert-butyl Ether	2.52	73	98284	17.394	ug/l	96
20) Methylene Chloride	2.27	84	48009	18.467	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	54278	23.426	ug/l	95
22) Diisopropyl ether	2.91	45	129142	19.140	ug/l #	97
23) Vinyl Acetate	3.32	43	209399	78.126	ug/l	98
24) 1,1-Dichloroethane	3.00	63	104955	23.002	ug/l	99
25) 2-Butanone	4.48	43	71411	92.154	ug/l	100
26) 2,2-Dichloropropane	3.74	77	70081	27.118	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	49492	19.105	ug/l	95
28) Bromochloromethane	3.86	49	31018	18.445	ug/l	86
29) Tetrahydrofuran	4.24	42	20856	68.112	ug/l	95
30) Chloroform	4.02	83	122315	21.725	ug/l	96
31) Cyclohexane	3.85	56	75362	23.001	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	123870	26.439	ug/l	91
36) 1,1-Dichloropropene	4.43	75	85867	23.776	ug/l	96
37) Ethyl Acetate	4.27	43	20445	14.783	ug/l #	3
38) Carbon Tetrachloride	4.15	117	115680	26.314	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	87409	24.688	ug/l	96
40) Benzene	4.79	78	163788	22.845	ug/l	99
41) Methacrylonitrile	4.91	41	12027	16.401	ug/l	94
42) 1,2-Dichloroethane	5.09	62	67459	19.722	ug/l	99
43) Isopropyl Acetate	7.10	43	26688	15.968	ug/l #	94
44) Trichloroethene	5.66	130	51731	22.487	ug/l	94
45) 1,2-Dichloropropane	6.38	63	39050	20.452	ug/l	98
46) Dibromomethane	6.23	93	26671	17.374	ug/l #	88
47) Bromodichloromethane	6.52	83	76318	20.073	ug/l #	97
48) Methyl methacrylate	6.85	41	17750	14.795	ug/l #	87
49) 1,4-Dioxane	6.84	88	3043	294.170	ug/l #	93
51) 4-Methyl-2-Pentanone	8.39	43	83390	70.092	ug/l	98
52) Toluene	7.76	92	103302	21.213	ug/l	92
53) t-1,3-Dichloropropene	8.41	75	58990	19.798	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	66342	19.051	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	24183	15.667	ug/l	90
56) Ethyl methacrylate	8.74	69	24740	14.105	ug/l #	83
57) 1,3-Dichloropropane	8.98	76	45888	17.573	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	18920	105.602	ug/l	100
59) 2-Hexanone	9.61	43	62302m	71.394	ug/l	
60) Dibromochloromethane	8.84	129	41037	17.657	ug/l	87
61) 1,2-Dibromoethane	9.12	107	29943	17.728	ug/l	98
64) Tetrachloroethene	8.29	164	50610	24.845	ug/l	89
65) Chlorobenzene	9.92	112	114531	21.758	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.05	131	50541	21.989	ug/l	96
67) Ethyl Benzene	10.01	91	236217	23.601	ug/l	97
68) m/p-Xylenes	10.25	106	162957	47.362	ug/l	89
69) o-Xylene	10.81	106	84531	22.539	ug/l	98
70) Styrene	10.88	104	110505	20.715	ug/l	91
71) Bromoform	10.87	173	18813	15.374	ug/l	100
73) Isopropylbenzene	11.22	105	288327	25.328	ug/l	97
74) N-amyl acetate	11.45	43	31208	11.945	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.77	83	36405	17.541	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	27103	17.738	ug/l	96
77) Bromobenzene	11.58	156	53217	20.913	ug/l	99
78) n-propylbenzene	11.67	91	348684	25.266	ug/l	94
79) 2-Chlorotoluene	11.80	91	191750	23.753	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	250498	25.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	12793m	18.888	ug/l	
82) 4-Chlorotoluene	11.98	91	189831	22.982	ug/l	100
83) tert-Butylbenzene	12.20	119	245850	25.772	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	230760	24.058	ug/l	89
85) sec-Butylbenzene	12.38	105	344897	26.193	ug/l	99
86) p-Isopropyltoluene	12.53	119	277782	25.822	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	109063	22.776	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	101940	21.590	ug/l	97
89) n-Butylbenzene	12.90	91	302947	26.613	ug/l	91
90) Hexachloroethane	12.98	117	65965	23.725	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	92893	20.247	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7173	17.828	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	69976	20.405	ug/l	95
94) Hexachlorobutadiene	14.24	225	64753	27.055	ug/l	85
95) Naphthalene	14.51	128	89939	14.669	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	65250	20.298	ug/l	97

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

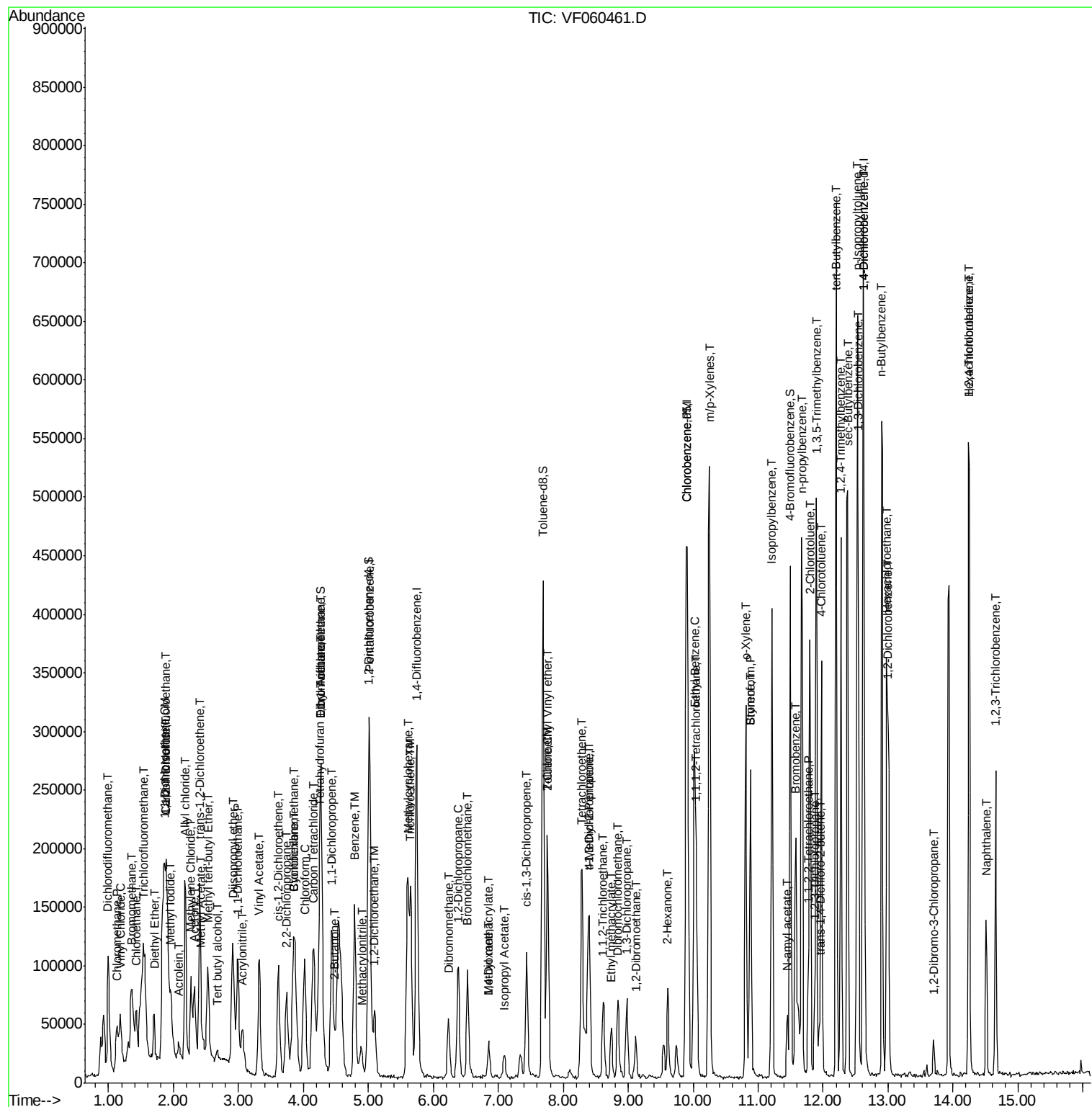
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Data File : VF060461.D
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Operator : VA/AP
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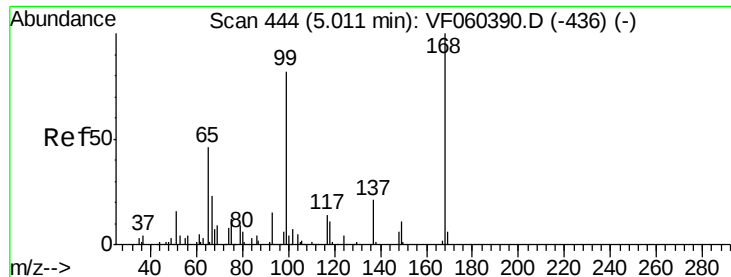
Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion:168 Resp: 191256

Ion Ratio Lower Upper

168 100

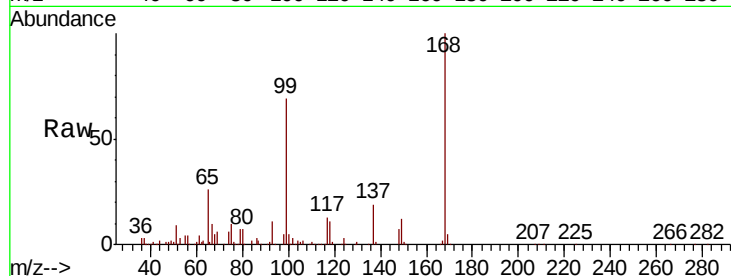
99 69.3 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

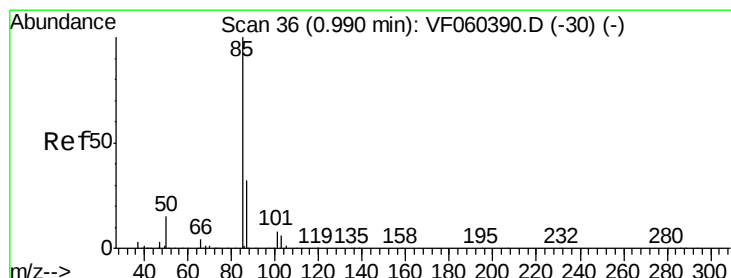
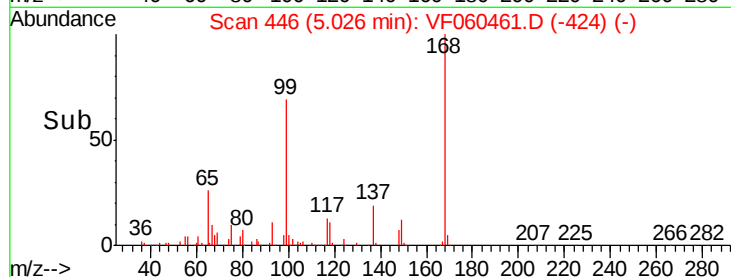
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 26.585 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060461.D

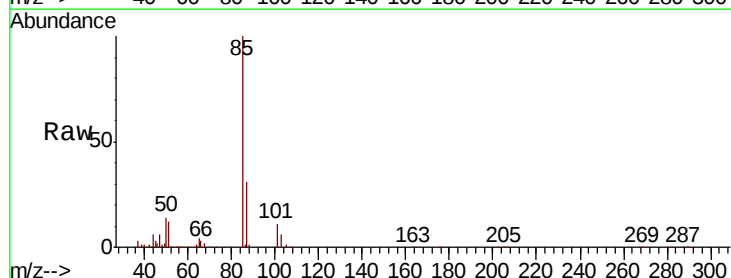
Acq: 5 Oct 2018 17:45

Tgt Ion: 85 Resp: 120167

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

50000

40000

30000

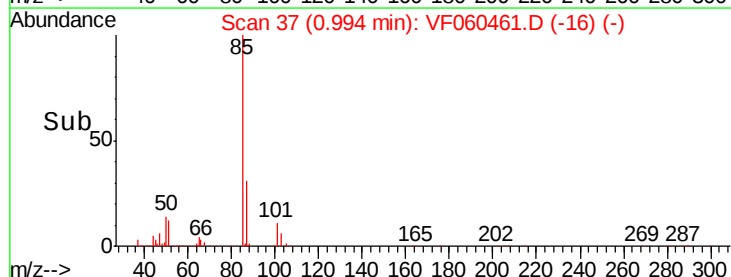
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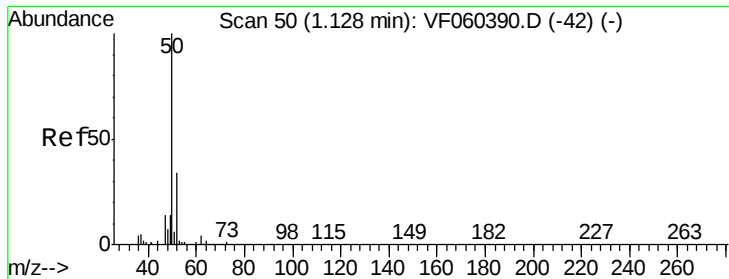
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 22.309 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 50 Resp: 57939

Ion Ratio Lower Upper

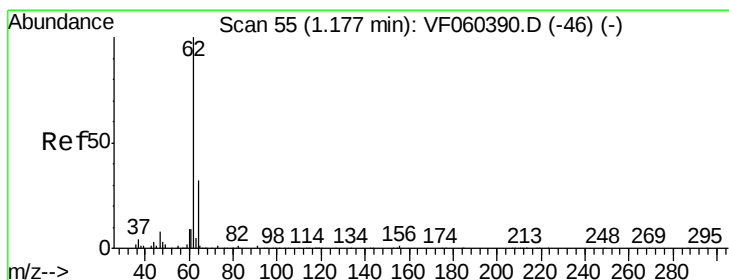
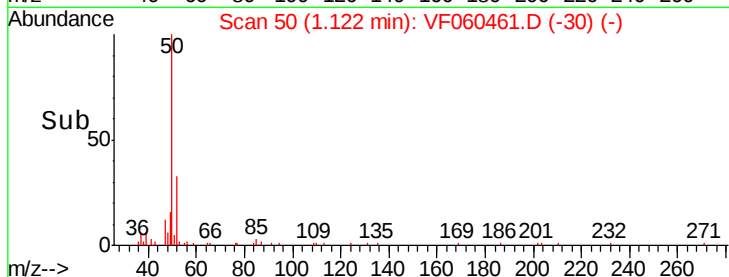
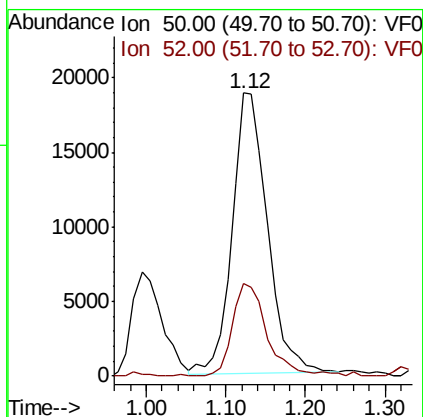
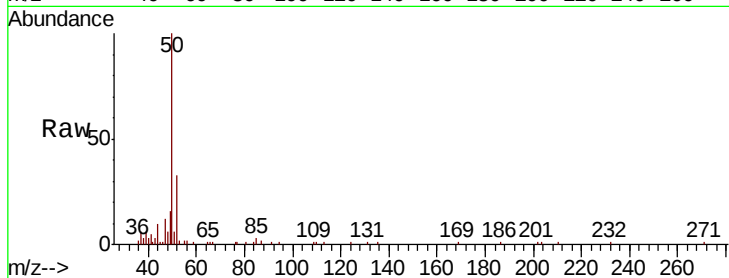
50 100

52 32.7 26.9 40.3

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#4

Vinyl Chloride

Concen: 23.700 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060461.D

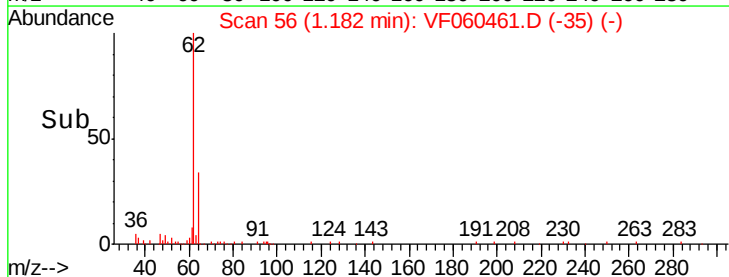
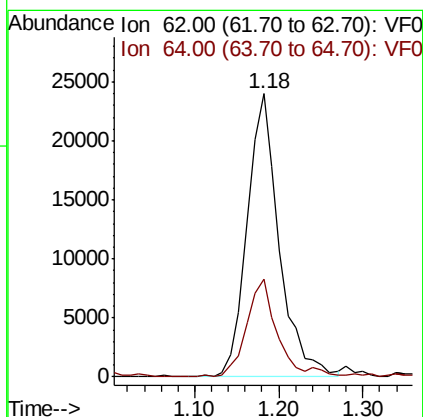
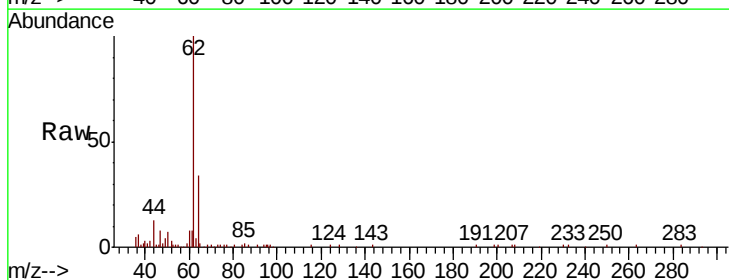
Acq: 5 Oct 2018 17:45

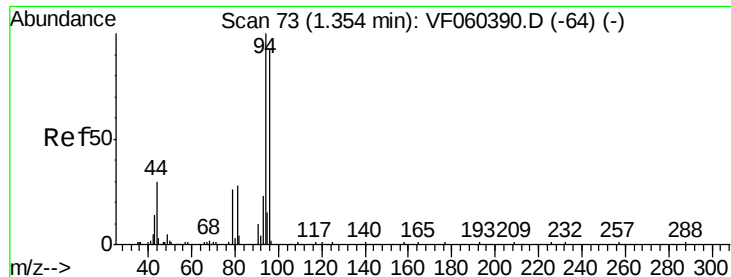
Tgt Ion: 62 Resp: 64030

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.6





#5

Bromomethane

Concen: 24.868 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tot Ion: 94 Resp: 52040

Ion Ratio Lower Upper

94 100

96 92.4 74.3 111.5

Instrument :

MSVOA_F

ClientSampleId :

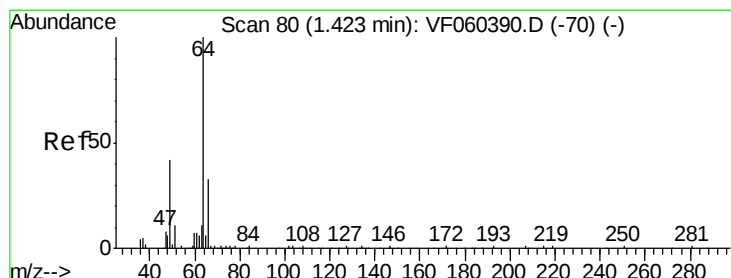
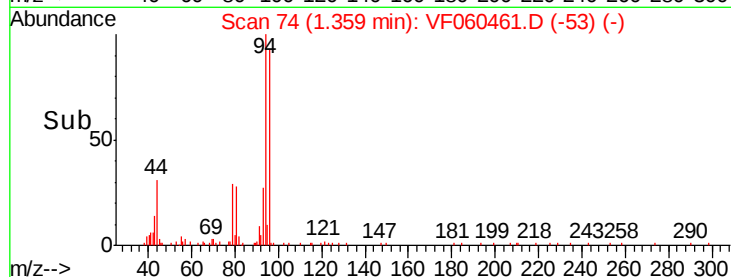
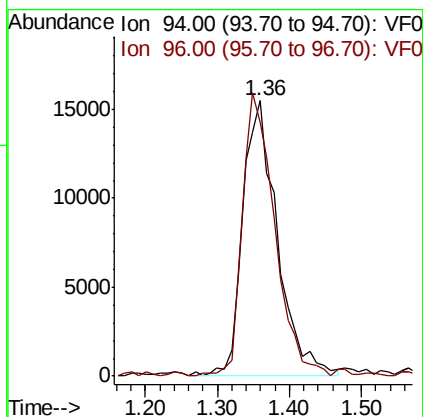
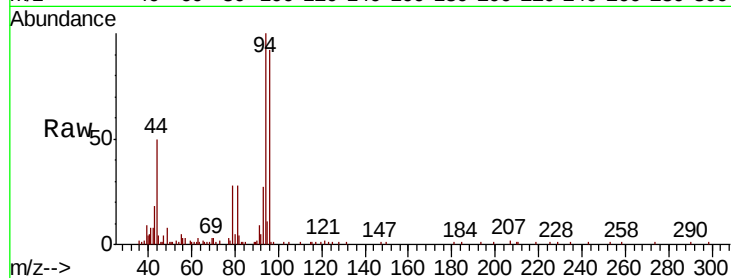
VF1005SBS01

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#6

Chloroethane

Concen: 24.200 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060461.D

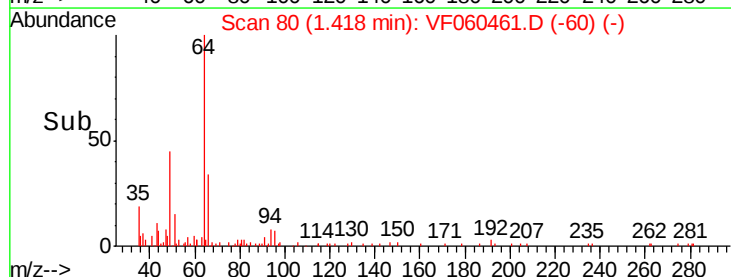
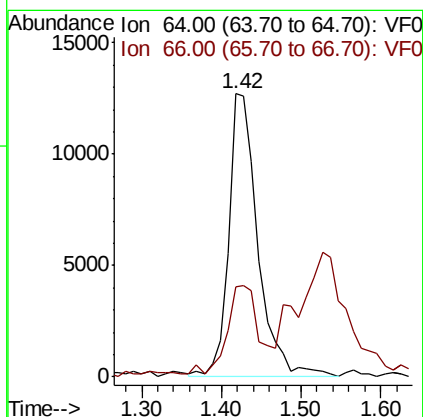
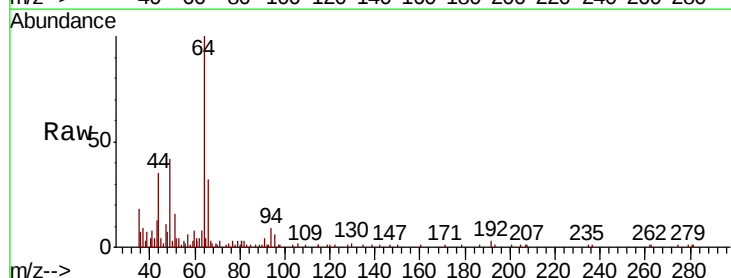
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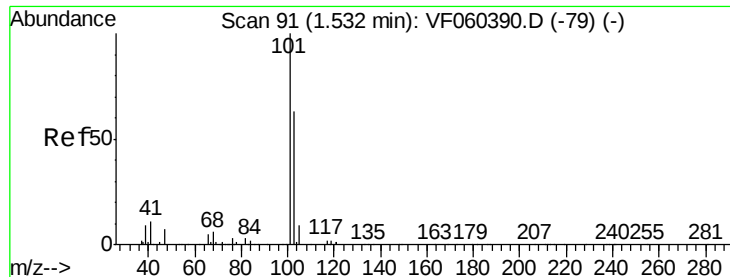
Tgt Ion: 64 Resp: 32626

Ion Ratio Lower Upper

64 100

66 32.0 26.3 39.5





#7

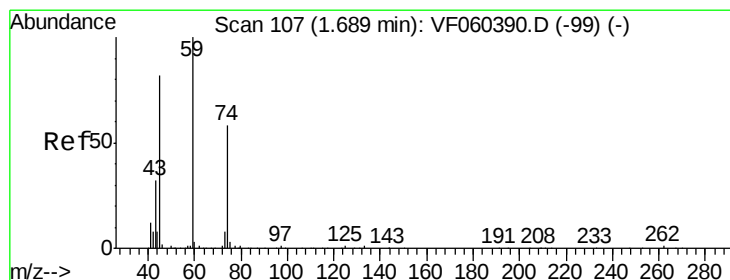
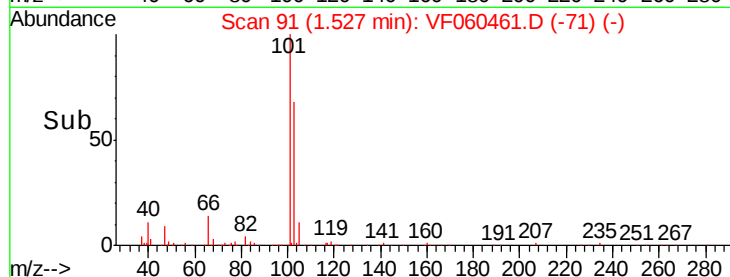
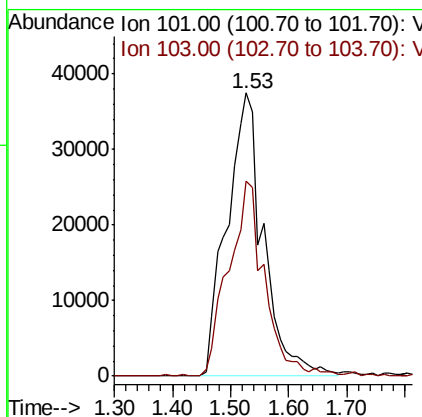
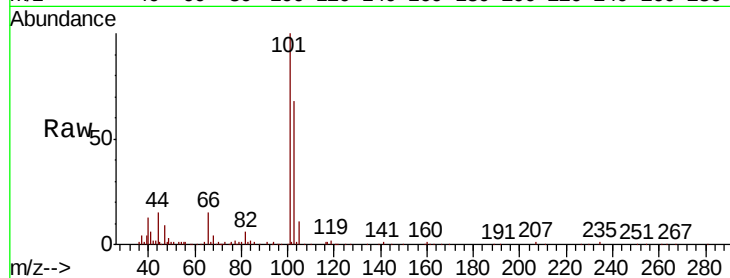
Trichlorofluoromethane
Concen: 26.113 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.1	51.0	76.4

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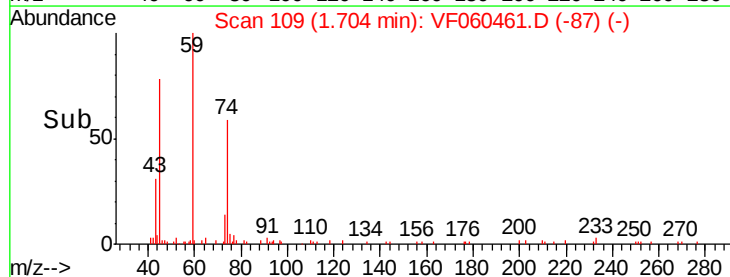
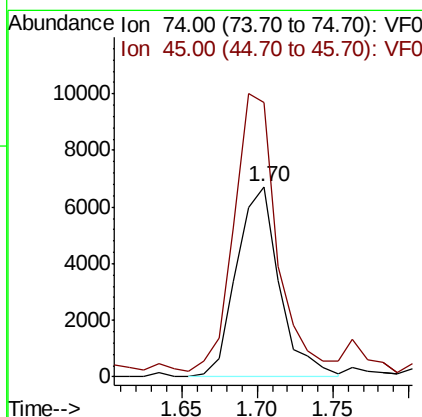
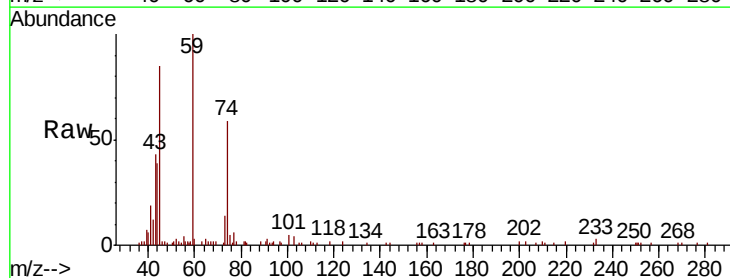
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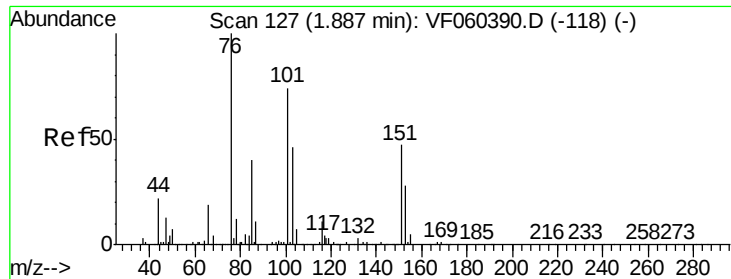


#8

Diethyl Ether
Concen: 15.426 ug/l
RT: 1.70 min Scan# 109
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.0	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.309 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

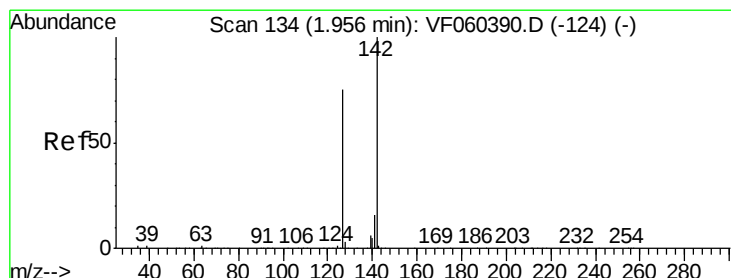
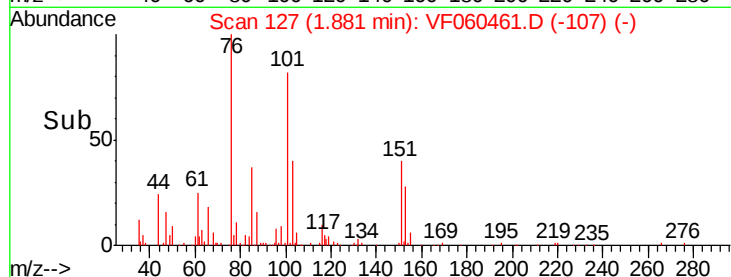
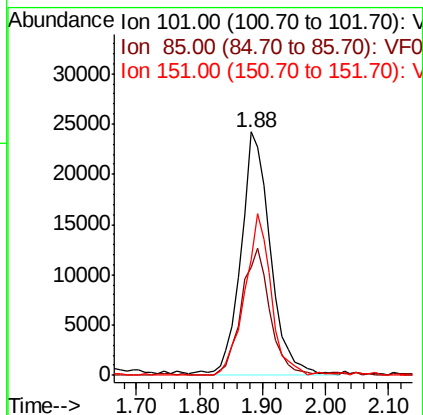
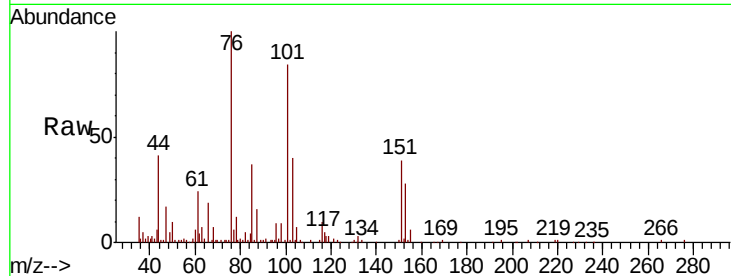
ClientSampleId :

VF1005SBS01

Tot Ion:	101	Resp:	78991
Ion Ratio	Lower	Upper	
101	100		
85	44.2	42.5	63.7
151	47.2	49.8	74.8#

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#10

Methyl Iodide

Concen: 22.857 ug/l

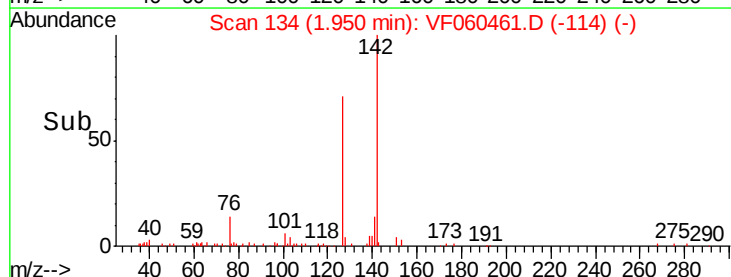
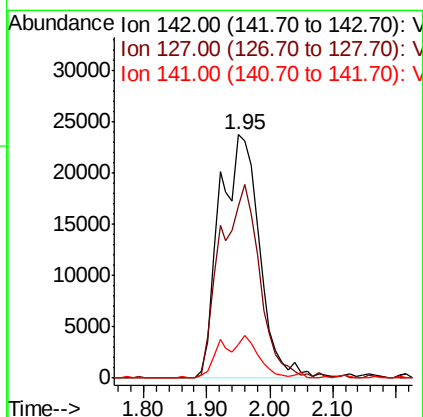
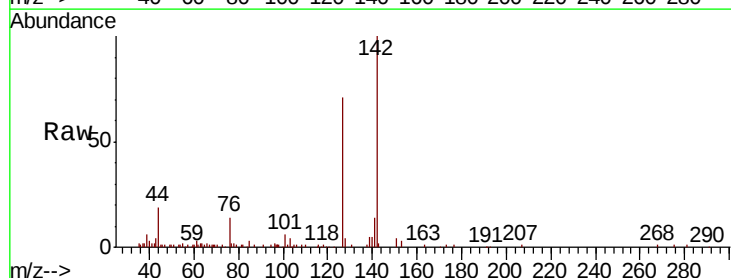
RT: 1.95 min Scan# 134

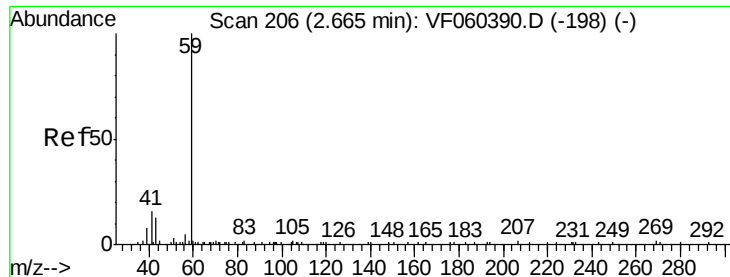
Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:	142	Resp:	104656
Ion Ratio	Lower	Upper	
142	100		
127	69.5	60.2	90.2
141	13.6	13.1	19.7





#11

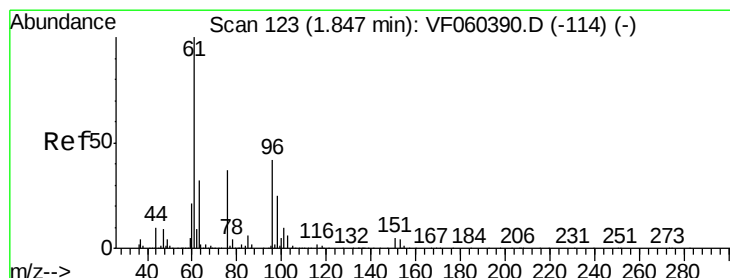
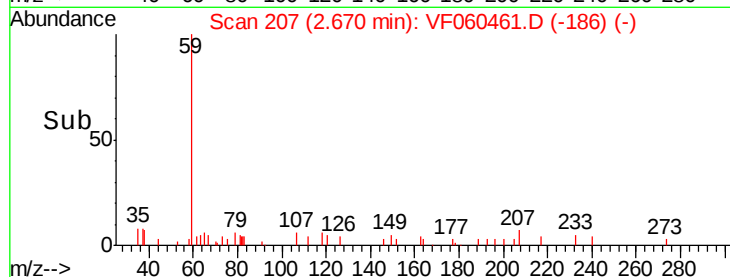
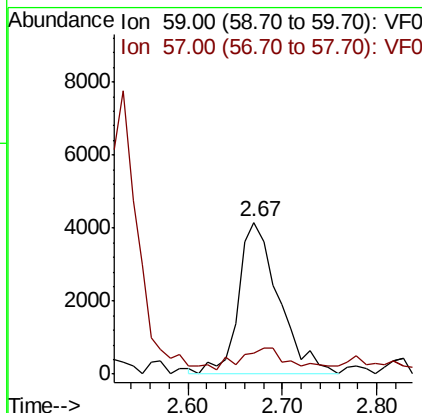
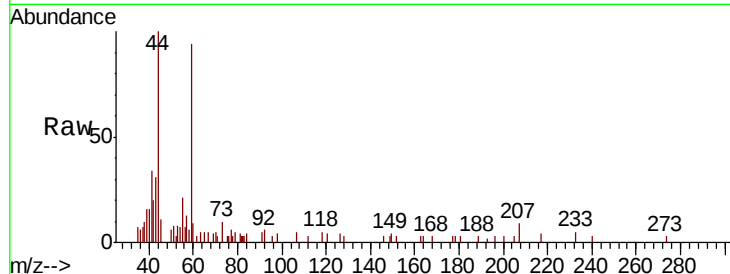
Tert butyl alcohol
Concen: 68.042 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.5	6.5	9.7#

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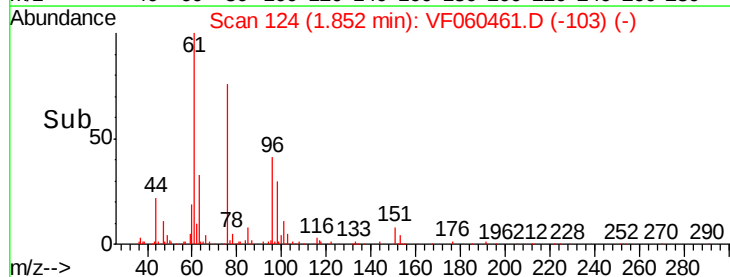
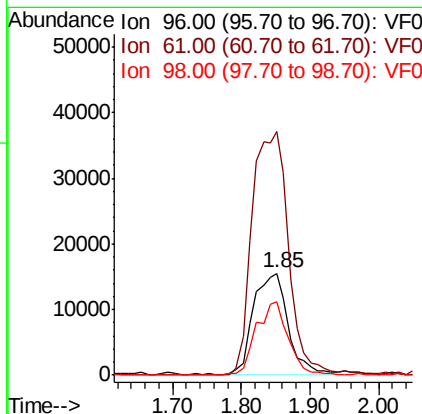
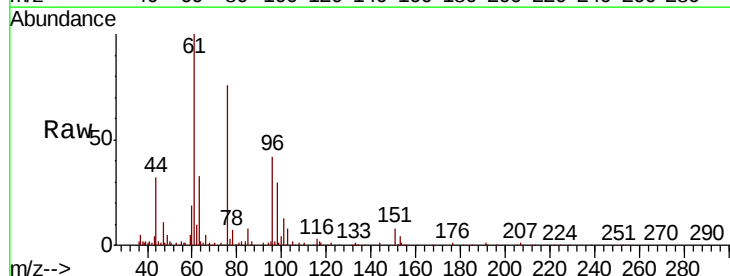
apatel
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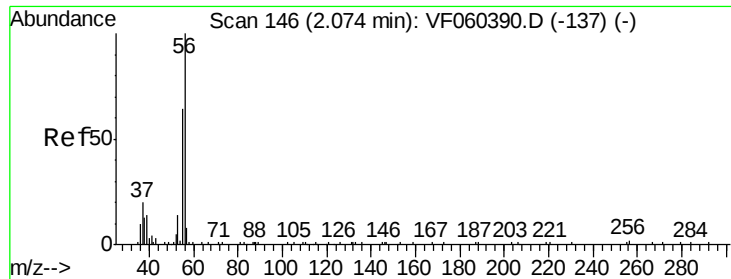


#12

1,1-Dichloroethene
Concen: 23.831 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	239.5	189.4	284.0
98	72.4	47.8	71.6#





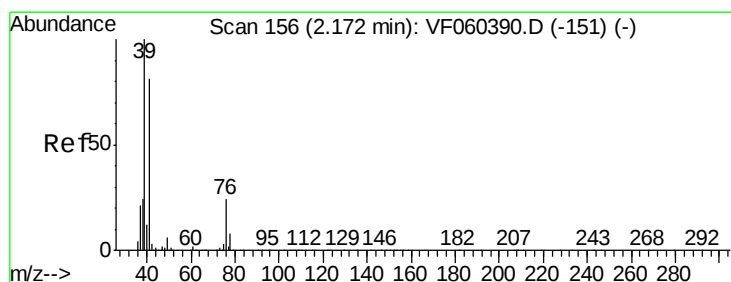
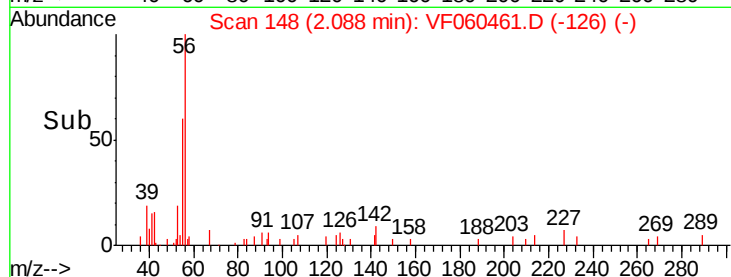
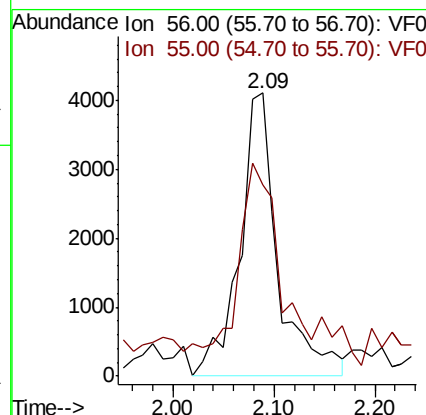
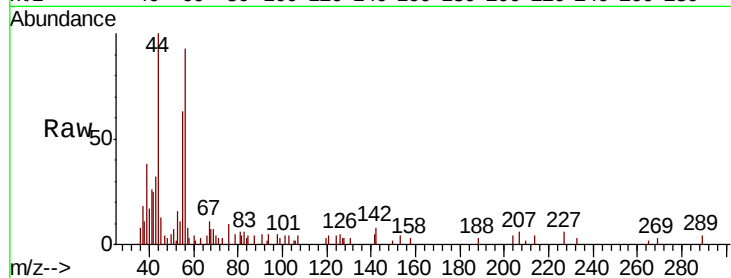
#13
Acrolein
Concen: 74.400 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.6	53.9	80.9

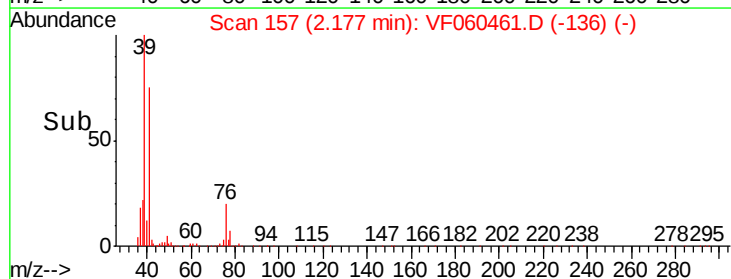
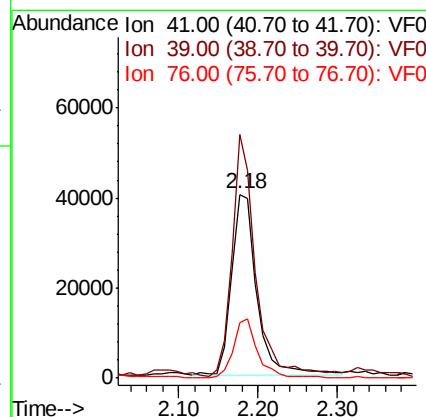
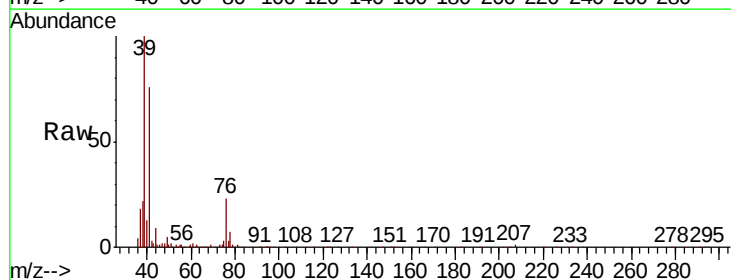
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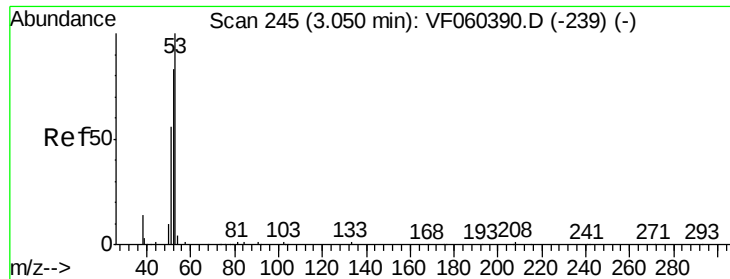
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#14
Allyl chloride
Concen: 24.080 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	132.3	98.3	147.5
76	30.3	23.9	35.9





#15

Acrylonitrile

Concen: 77.085 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

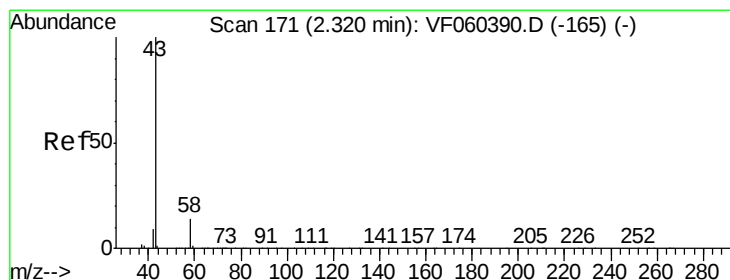
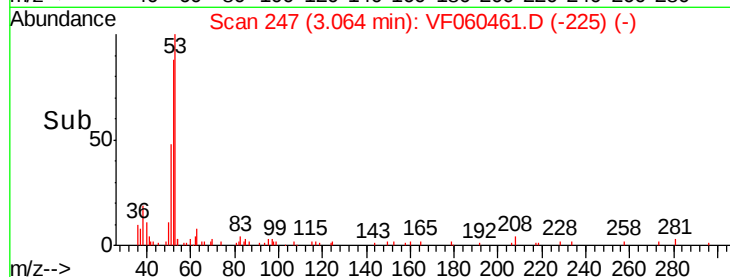
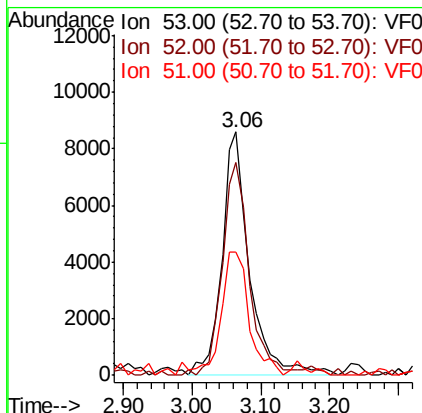
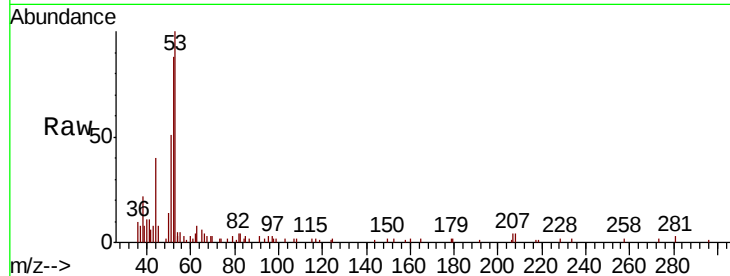
ClientSampleId :

VF1005SBS01

Tot Ion:	53	Resp:	23910
Ion	Ratio	Lower	Upper
53	100		
52	87.6	66.0	99.0
51	50.7	45.6	68.4

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#16

Acetone

Concen: 89.342 ug/l

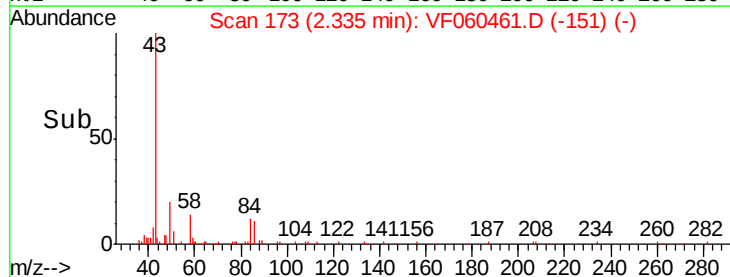
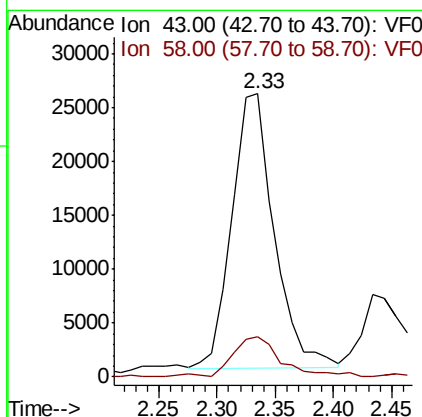
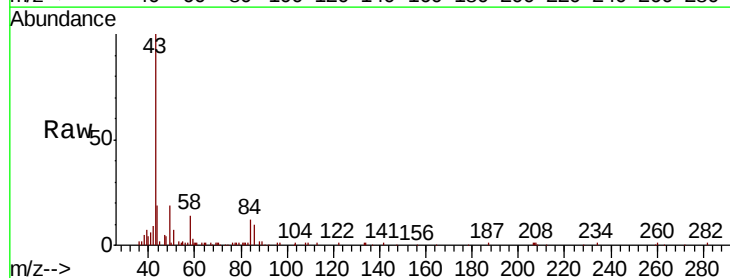
RT: 2.33 min Scan# 173

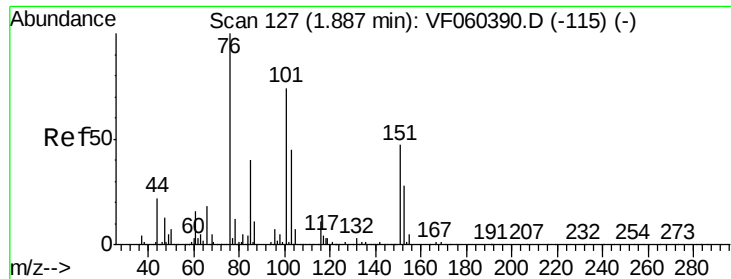
Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:	43	Resp:	64463
Ion	Ratio	Lower	Upper
43	100		
58	14.3	11.2	16.8





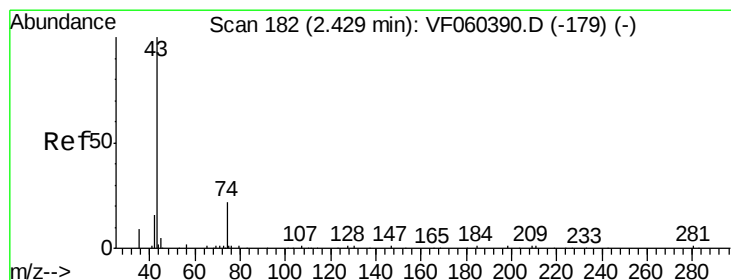
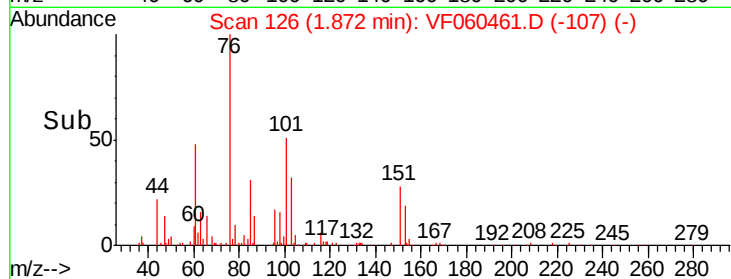
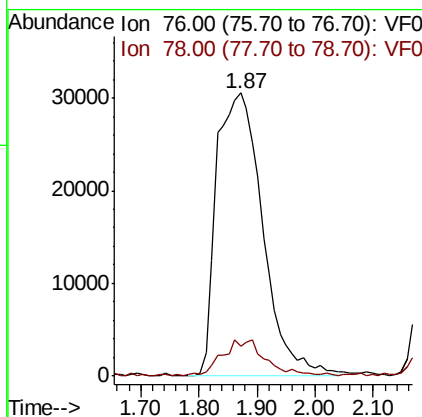
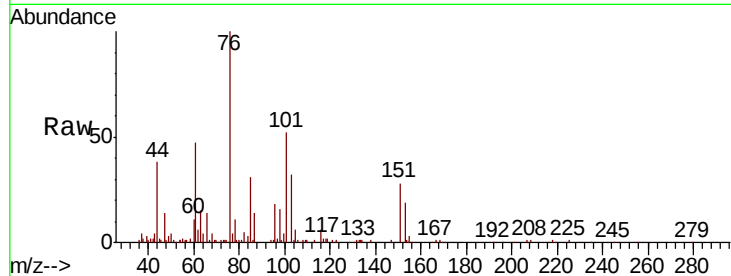
#17
Carbon Disulfide
Concen: 23.961 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.02 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.8	10.1	15.1

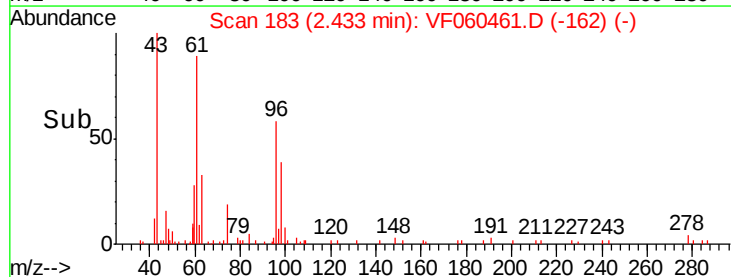
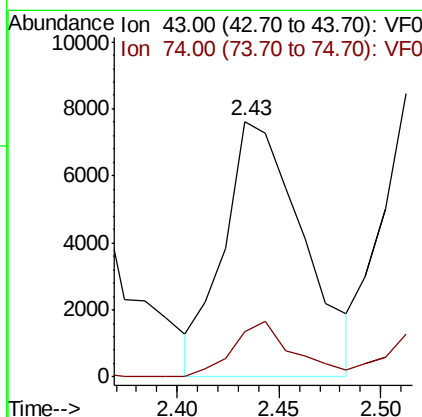
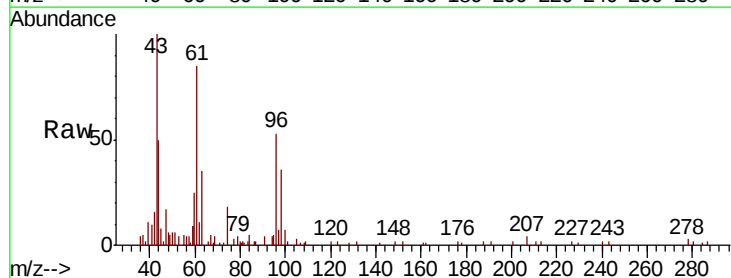
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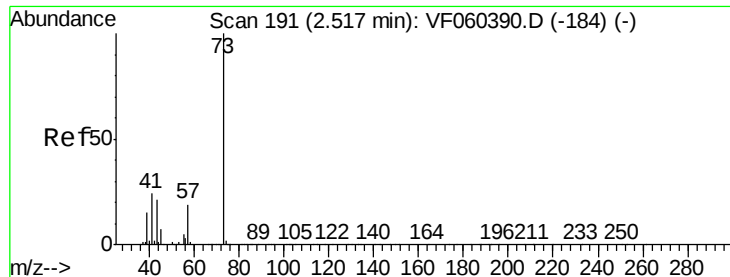
apatel
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#18
Methyl Acetate
Concen: 17.143 ug/l m
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.9	15.8	23.8





#19

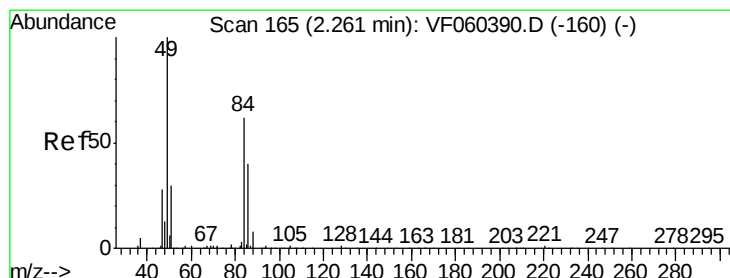
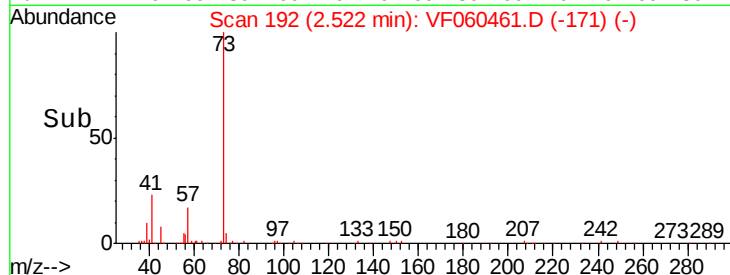
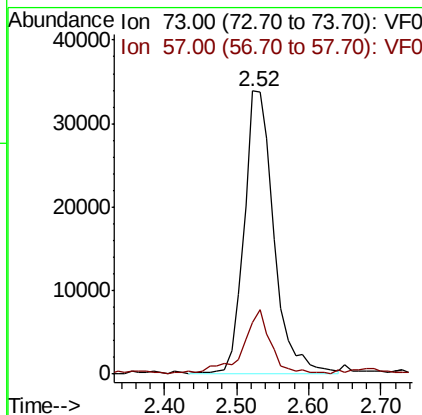
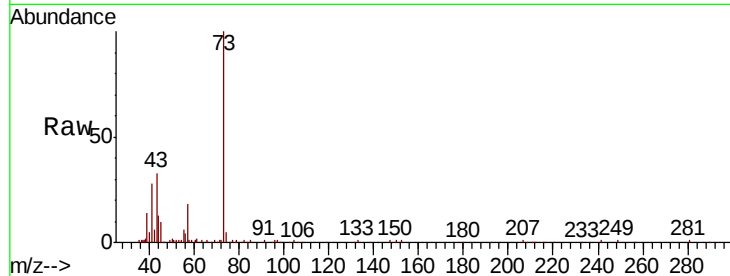
Methyl tert-butyl Ether
 Concen: 17.394 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	15.9	23.9

Manual Integrations
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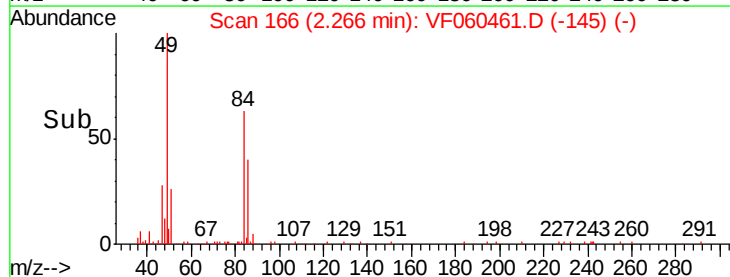
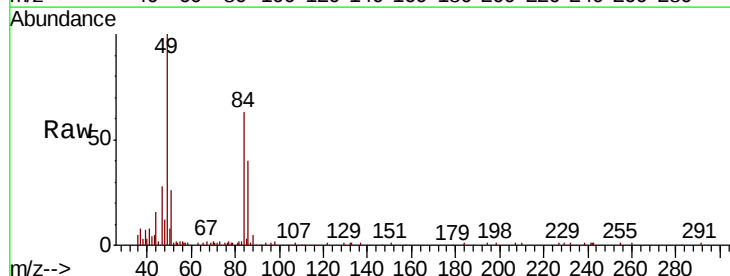
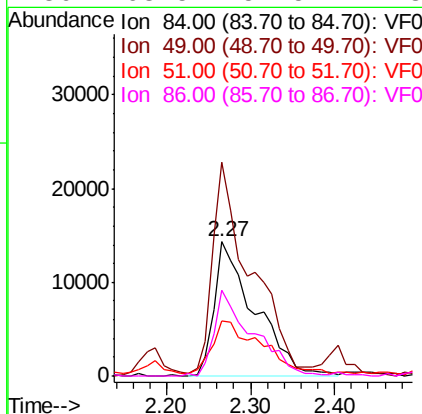
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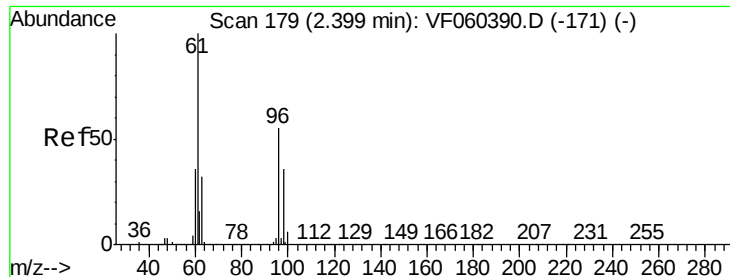


#20

Methylene Chloride
 Concen: 18.467 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.2	130.2	195.2
51	41.5	41.0	61.6
86	63.5	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 23.426 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

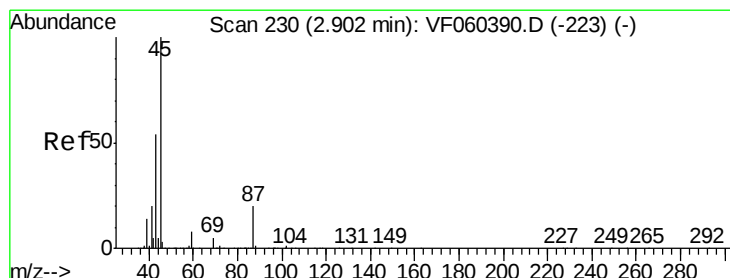
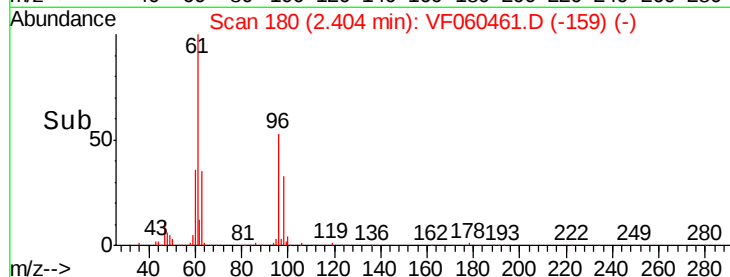
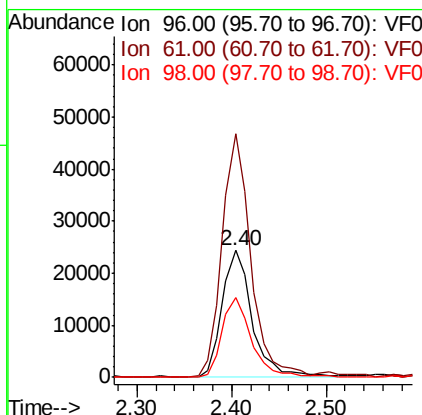
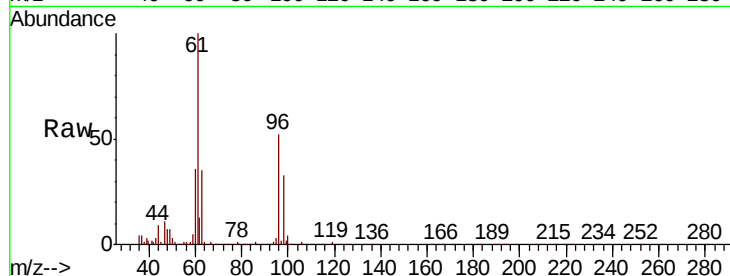
ClientSampleId :

VF1005SBS01

Tot Ion:	96	Resp:	54278
Ion	Ratio	Lower	Upper
96	100		
61	191.6	146.2	219.2
98	63.1	52.6	78.8

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#22

Diisopropyl ether

Concen: 19.140 ug/l

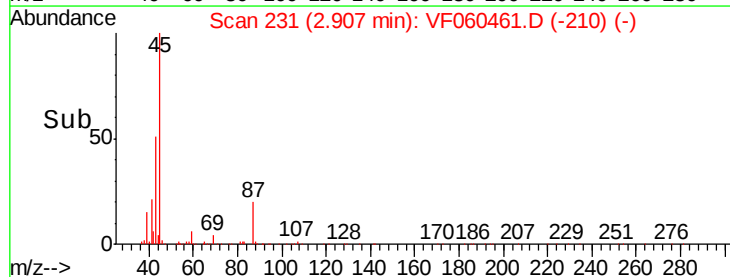
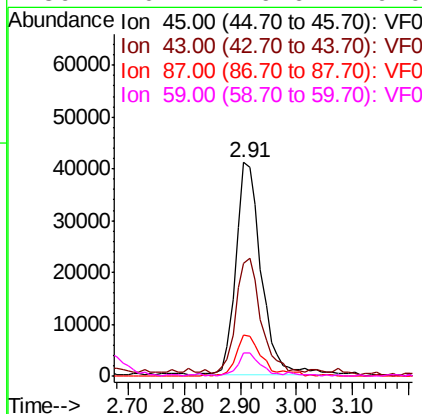
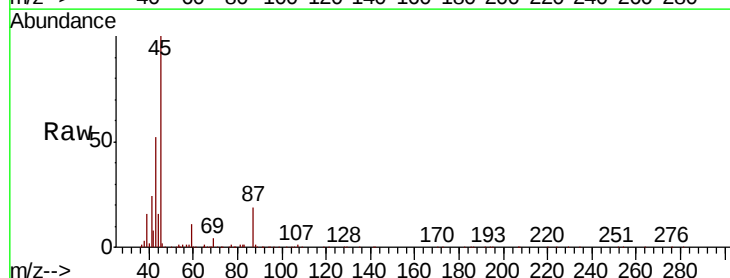
RT: 2.91 min Scan# 231

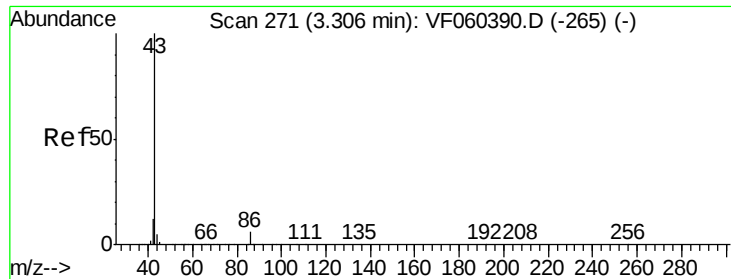
Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:	45	Resp:	129142
Ion	Ratio	Lower	Upper
45	100		
43	52.5	43.8	65.8
87	19.4	16.3	24.5
59	10.7	6.6	10.0#





#23

Vinyl Acetate

Concen: 78.126 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 43 Resp: 209399

Ion Ratio Lower Upper

43 100

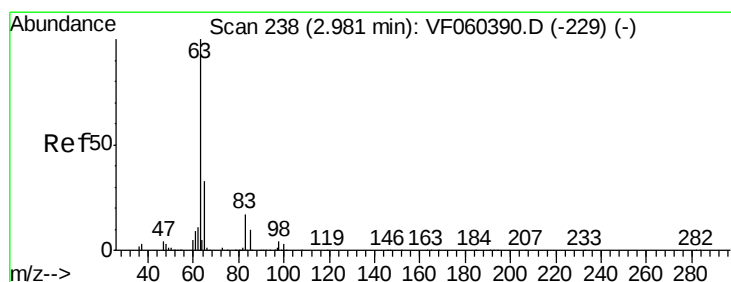
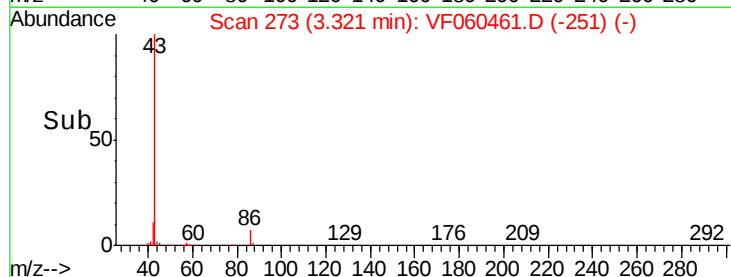
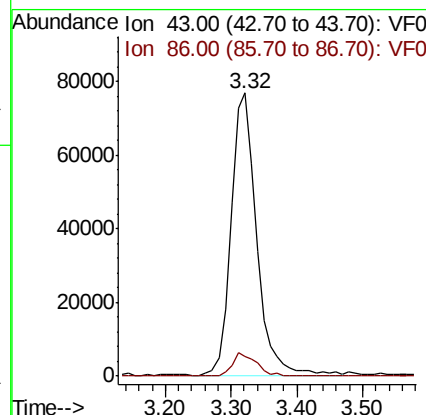
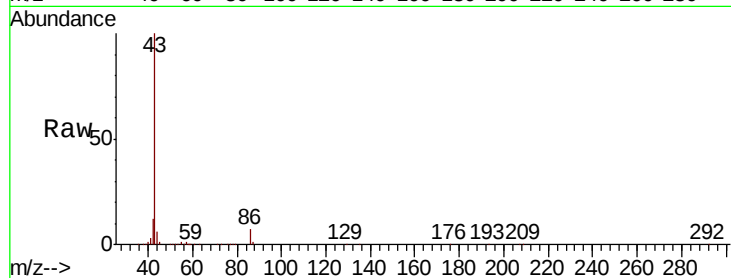
86 7.0 5.1 7.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.002 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

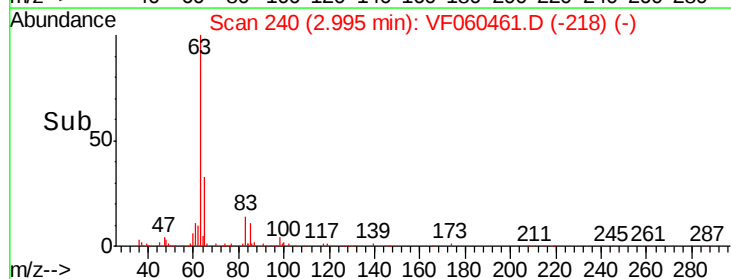
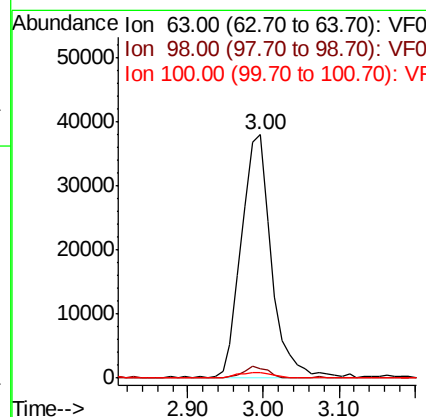
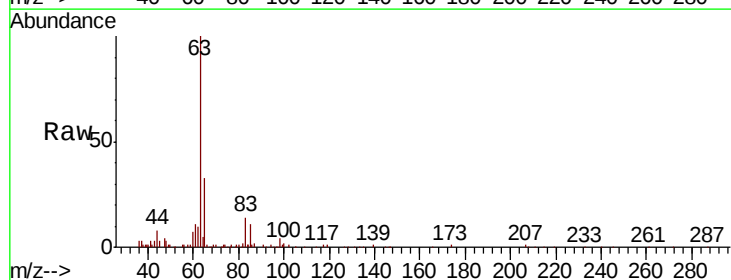
Tgt Ion: 63 Resp: 104955

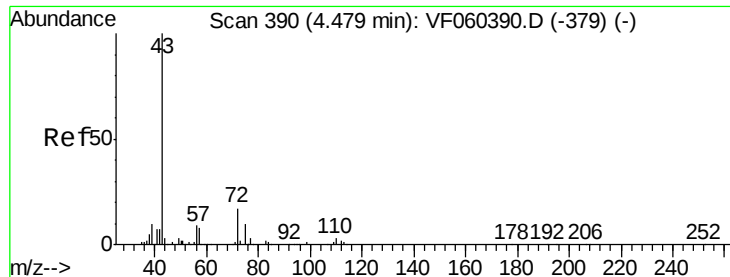
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.5 1.4 4.2





#25

2-Butanone

Concen: 92.154 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 43 Resp: 71411

Ion Ratio Lower Upper

43 100

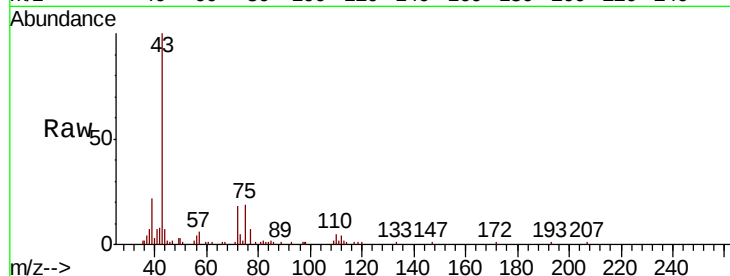
72 17.6 14.1 21.1

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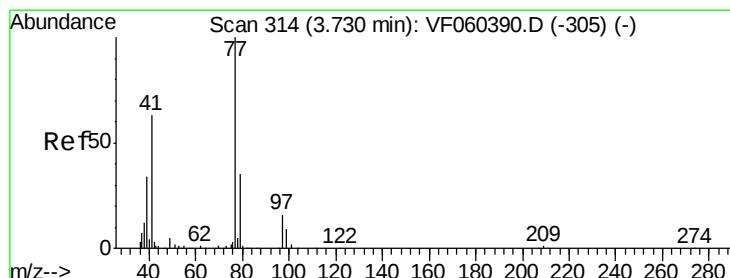
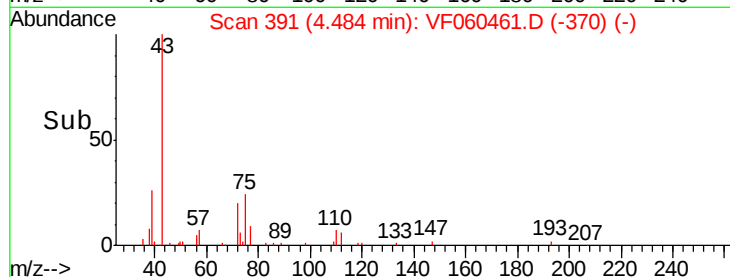
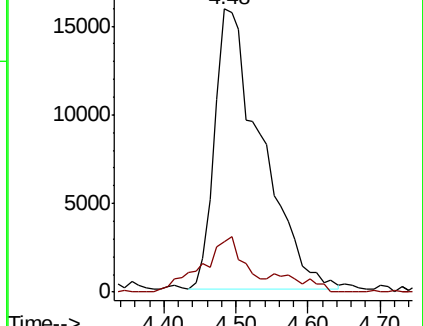
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 27.118 ug/l

RT: 3.74 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF060461.D

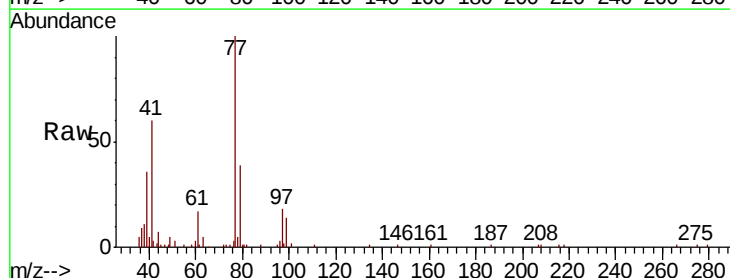
Acq: 5 Oct 2018 17:45

Tgt Ion: 77 Resp: 70081

Ion Ratio Lower Upper

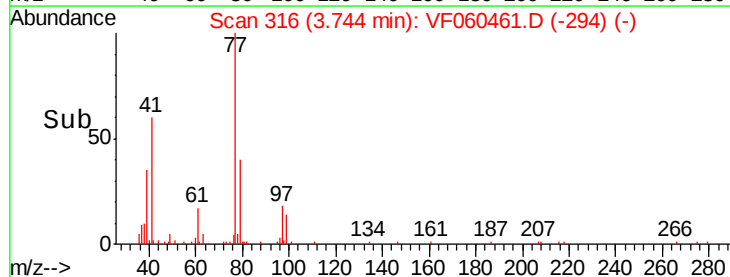
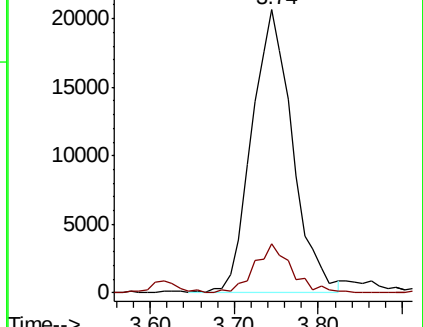
77 100

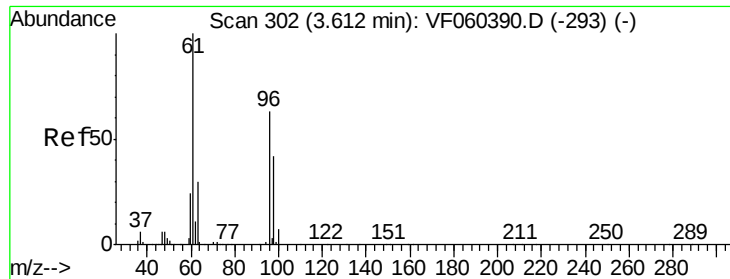
97 17.5 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

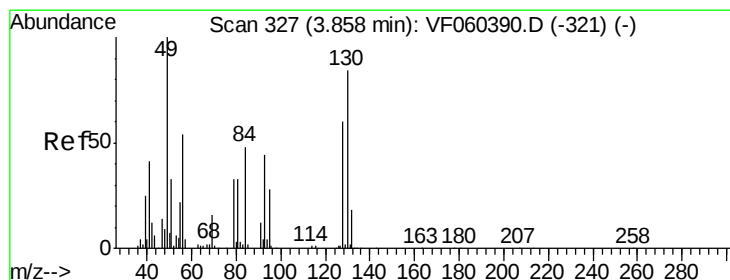
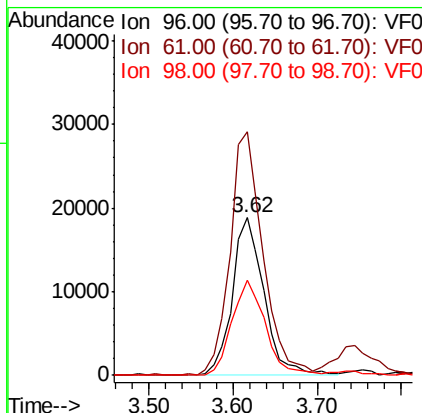
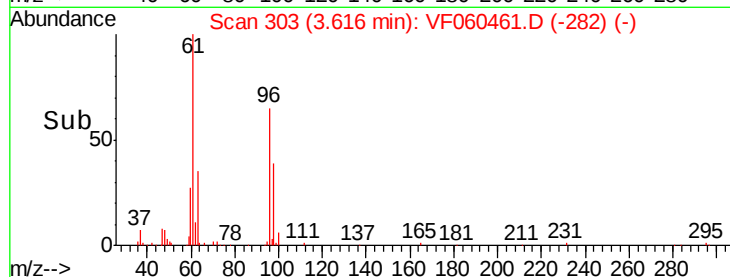
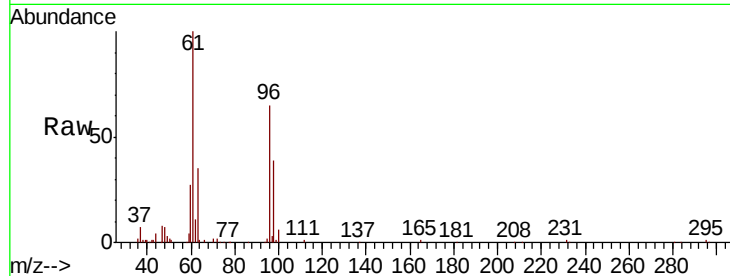
cis-1,2-Dichloroethene
Concen: 19.105 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	49492		
61	154.4	0.0	318.2	
98	60.5	0.0	134.0	

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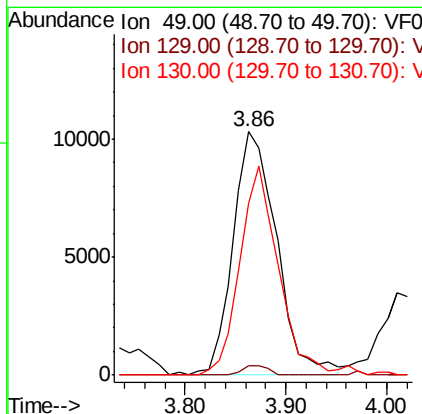
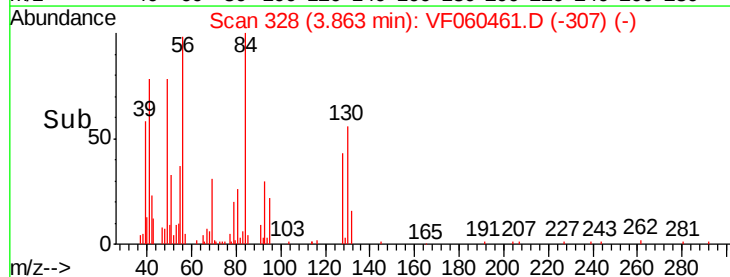
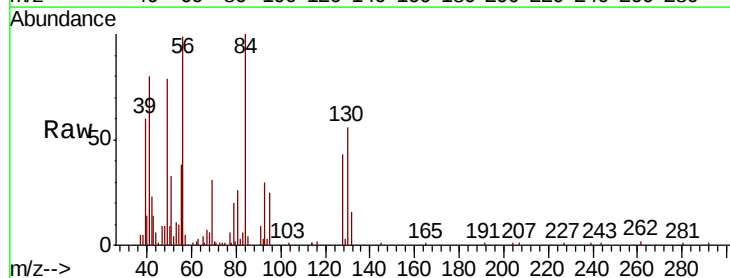
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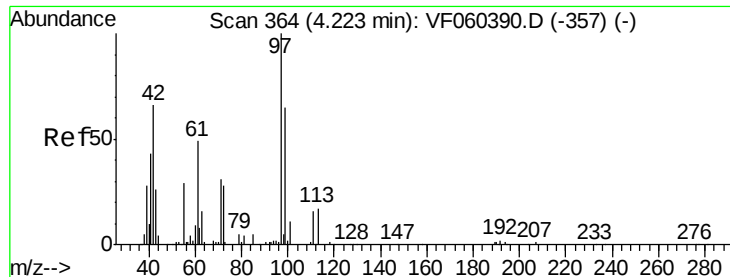


#28

Bromochloromethane
Concen: 18.445 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31018		
129	3.8	0.0	4.6	
130	70.9	67.3	100.9	





#29

Tetrahydrofuran

Concen: 68.112 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

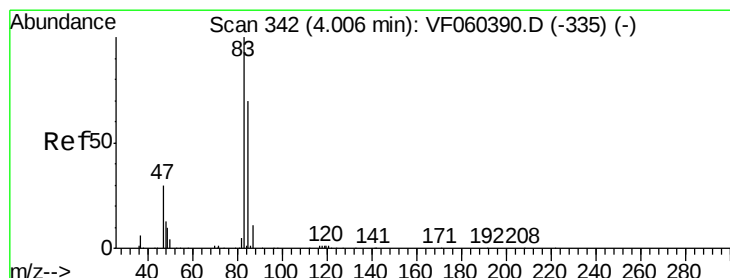
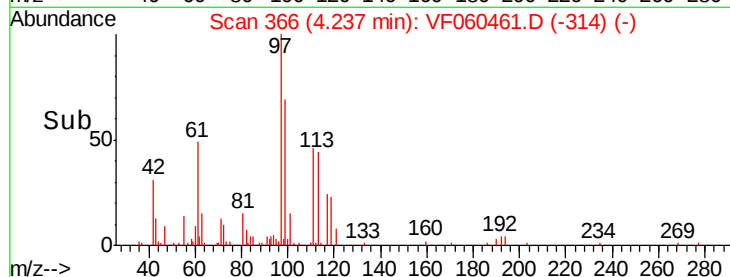
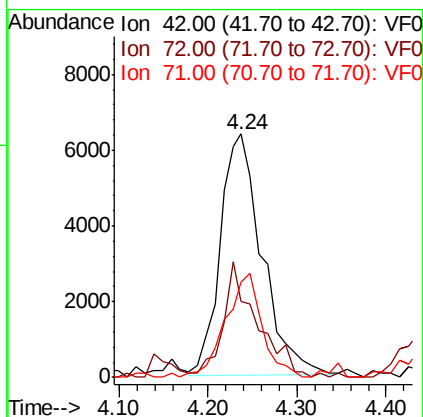
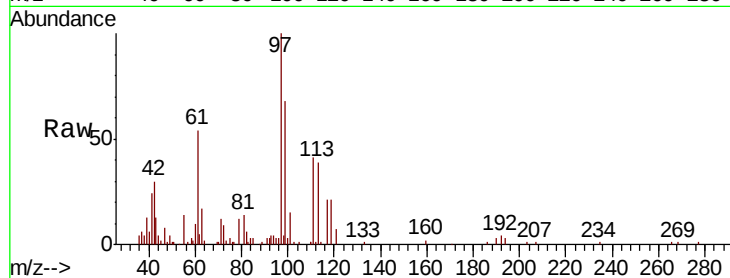
ClientSampleId :

VF1005SBS01

Tot Ion:	42	Resp:	20856
Ion	Ratio	Lower	Upper
42	100		
72	38.6	33.6	50.4
71	38.1	32.7	49.1

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#30

Chloroform

Concen: 21.725 ug/l

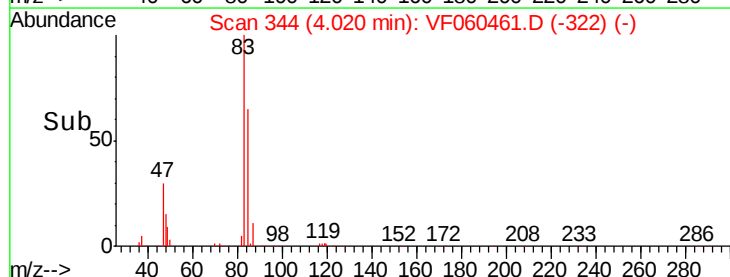
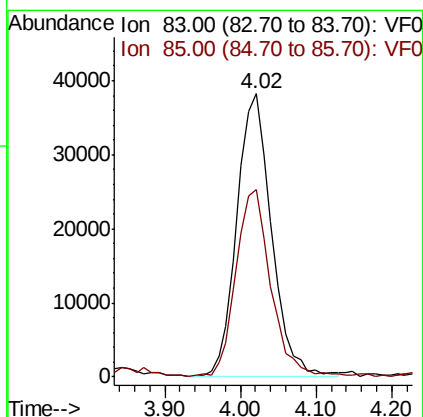
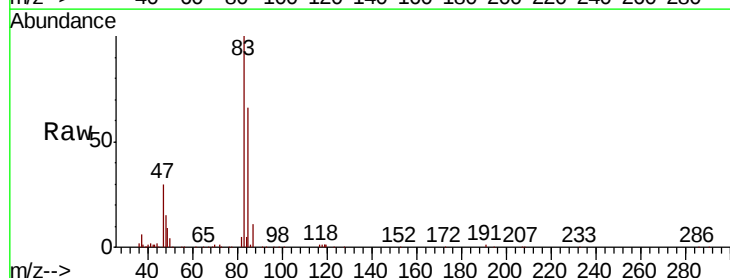
RT: 4.02 min Scan# 344

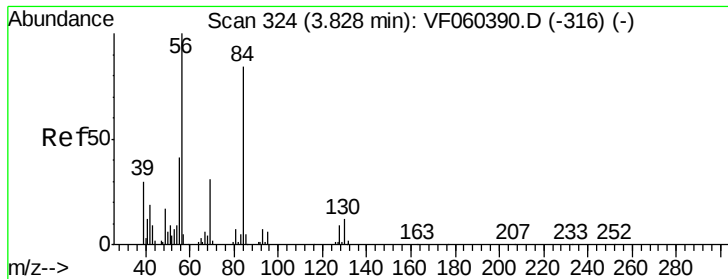
Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:	83	Resp:	122315
Ion	Ratio	Lower	Upper
83	100		
85	66.3	55.9	83.9





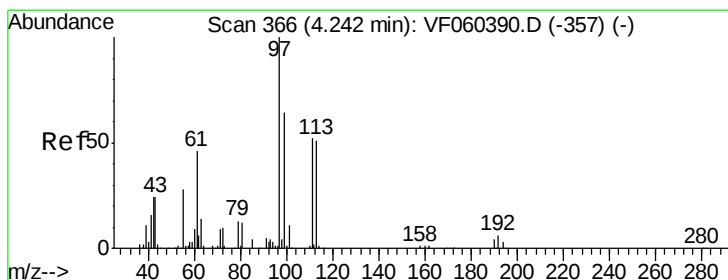
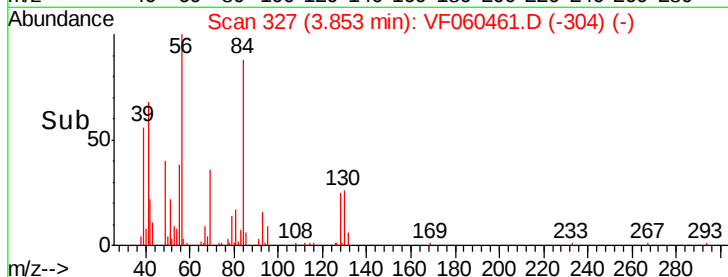
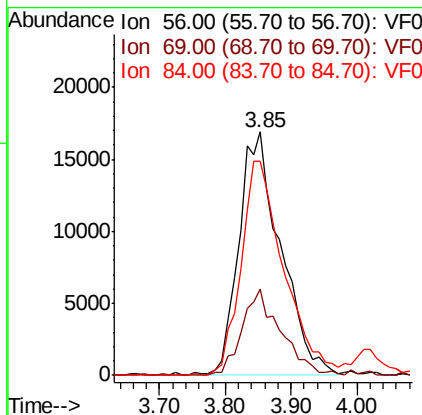
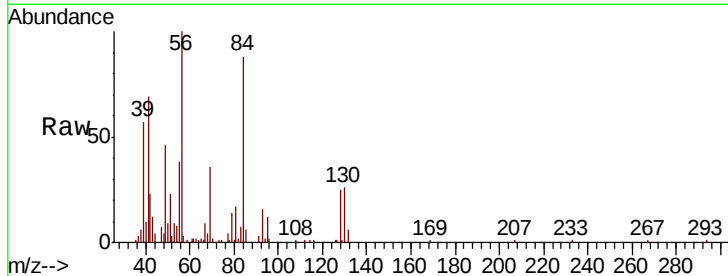
#31
Cyclohexane
Concen: 23.001 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.02 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.5	38.3
84	88.1	67.4	101.0

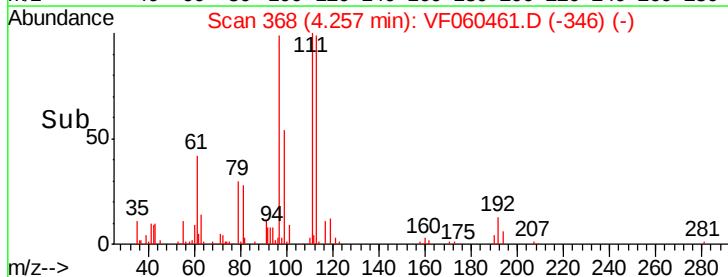
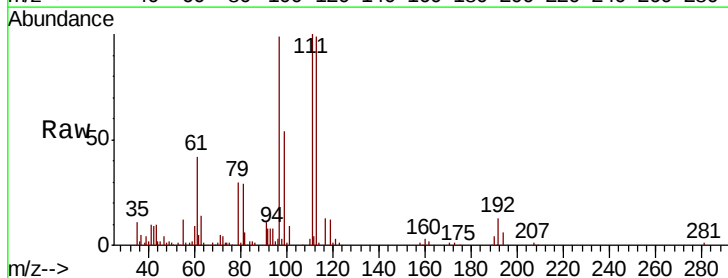
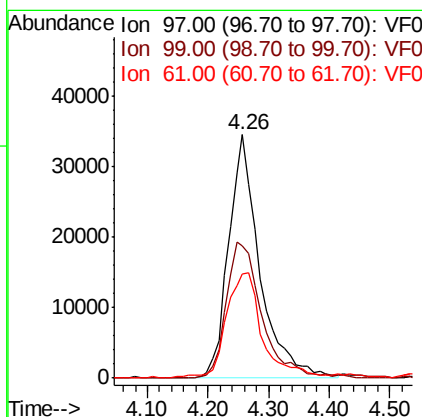
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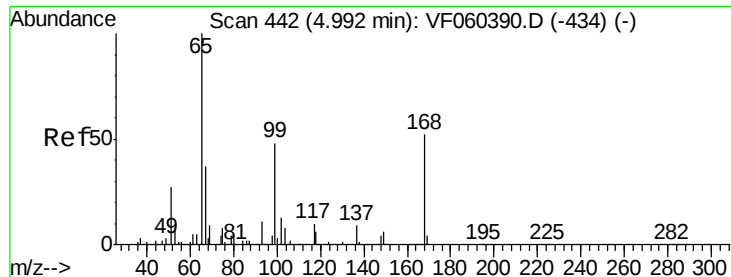
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#32
1,1,1-Trichloroethane
Concen: 26.439 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	54.5	51.0	76.4
61	42.7	37.5	56.3





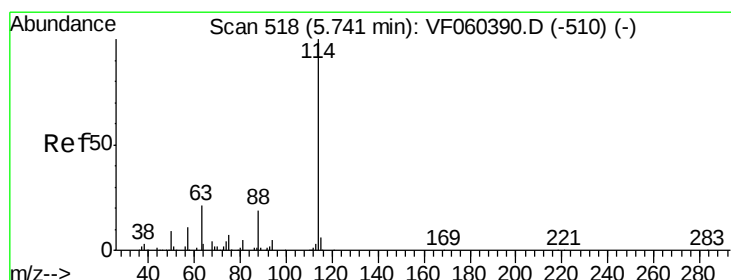
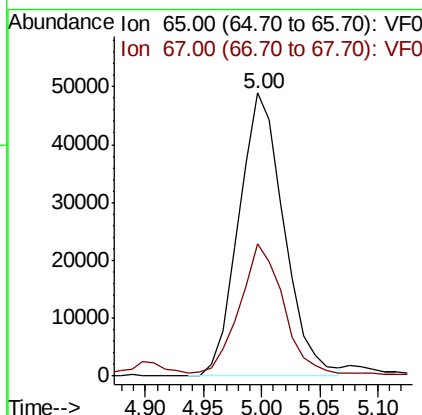
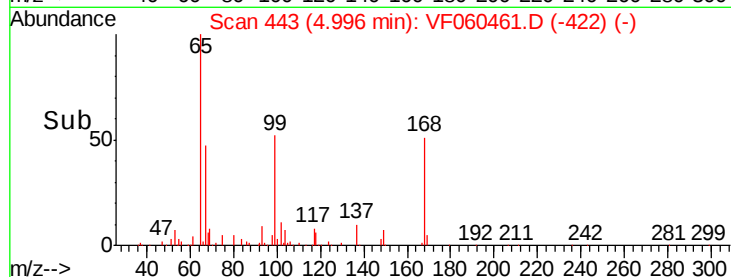
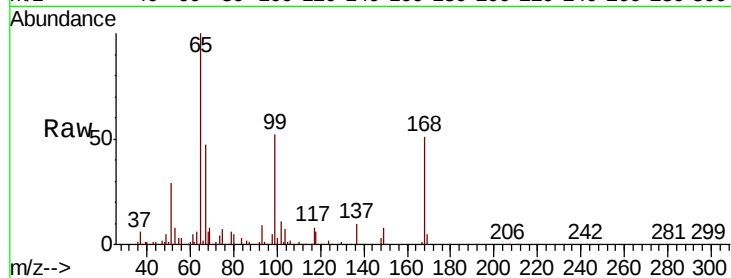
#33
 1,2-Dichloroethane-d4
 Concen: 44.025 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131754		
67	47.0	0.0	89.4	

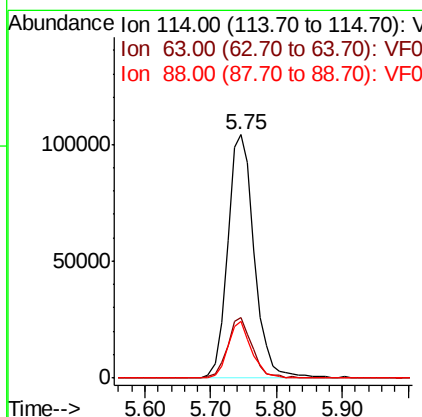
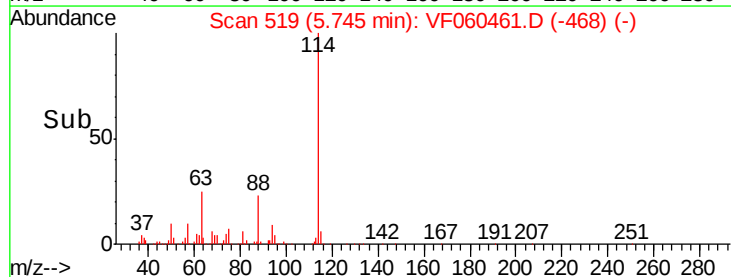
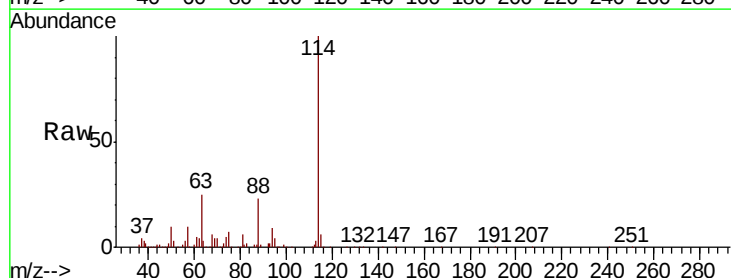
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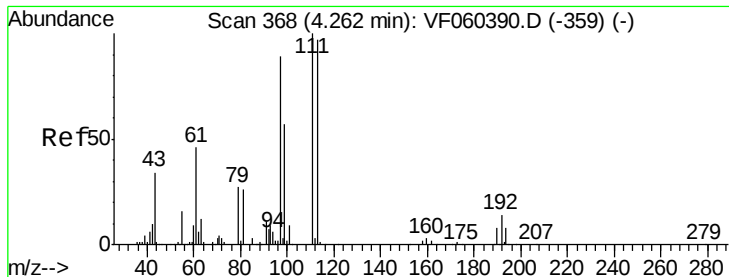
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	292925		
63	24.8	0.0	42.2	
88	23.5	0.0	38.8	





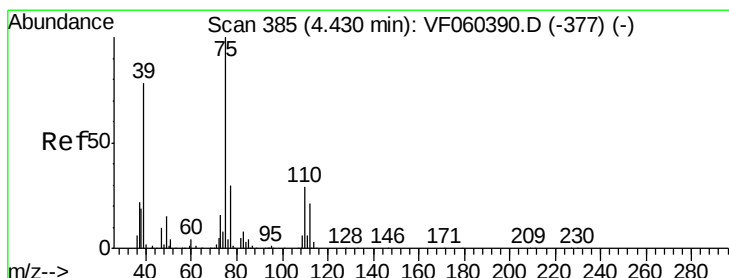
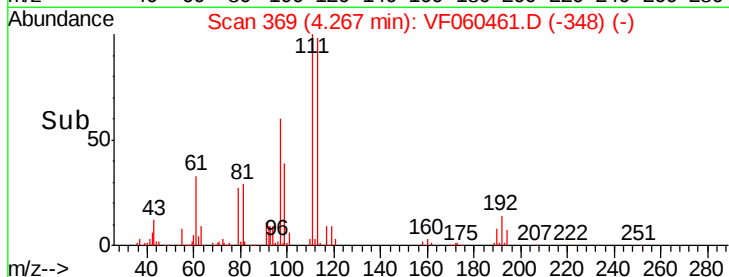
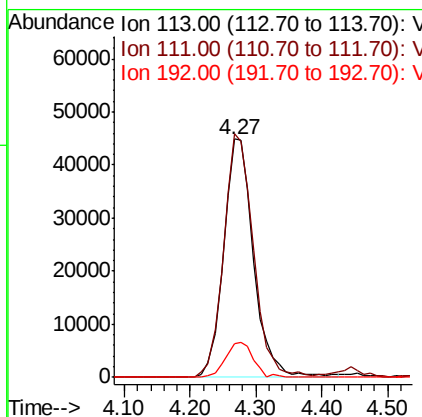
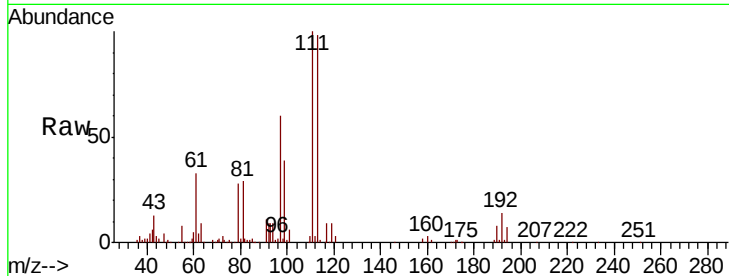
#35
 Dibromofluoromethane
 Concen: 52.053 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.3	123.5
192	14.2	11.8	17.6

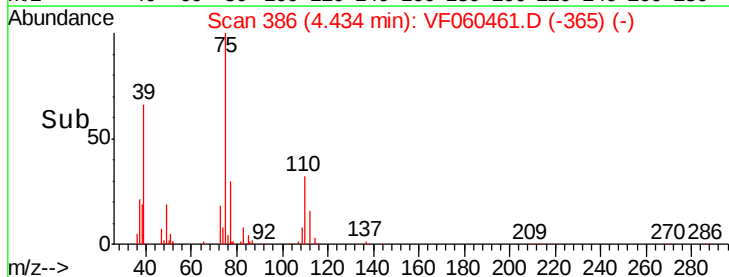
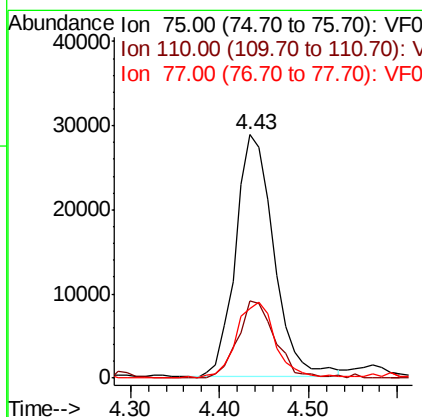
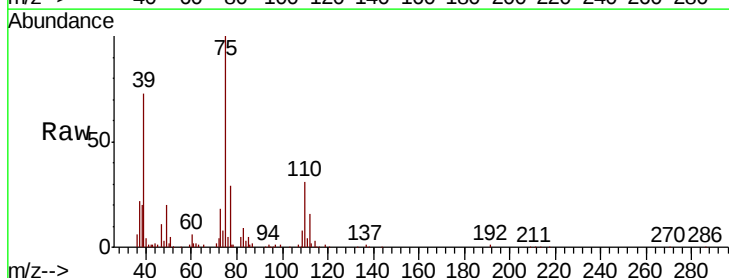
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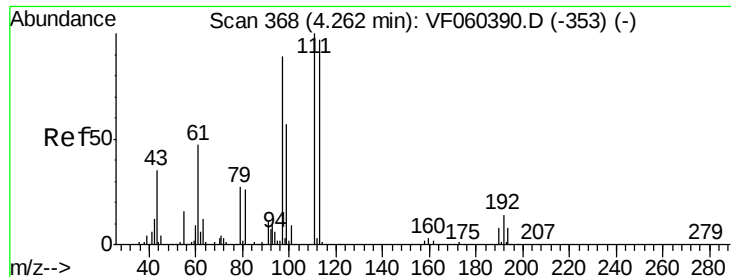
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#36
 1,1-Dichloropropene
 Concen: 23.776 ug/l
 RT: 4.43 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	14.5	43.6
77	28.6	24.3	36.5





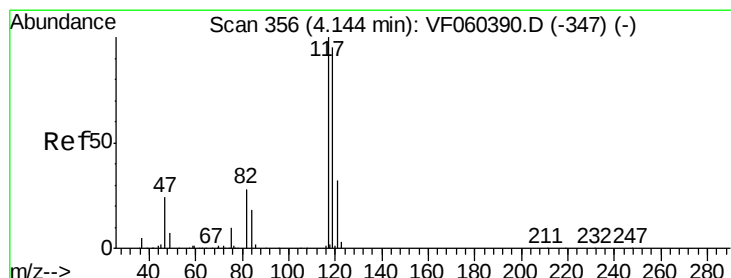
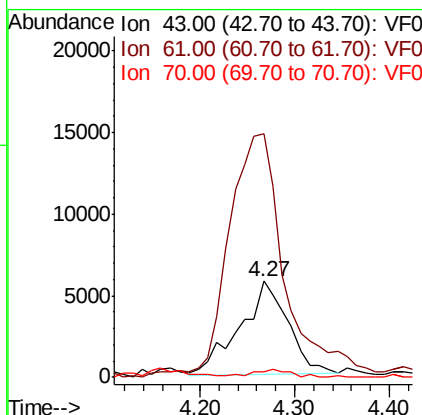
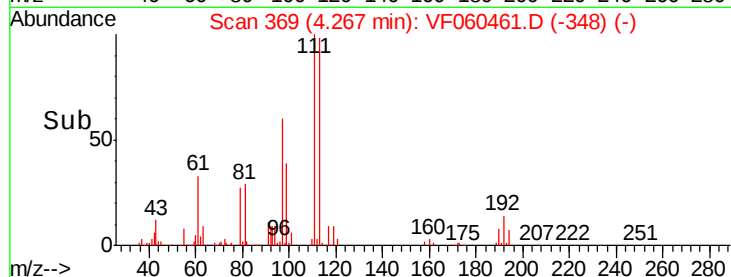
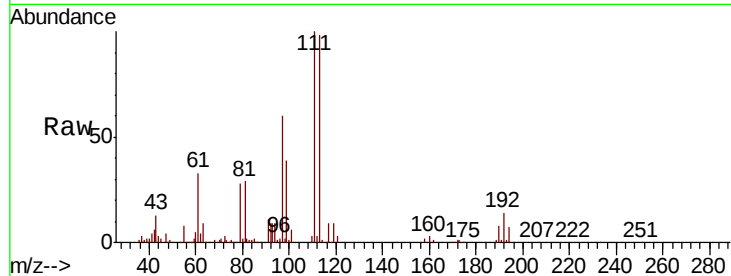
#37
Ethyl Acetate
Concen: 14.783 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	253.1	105.1	157.7#
70	6.2	8.0	12.0#

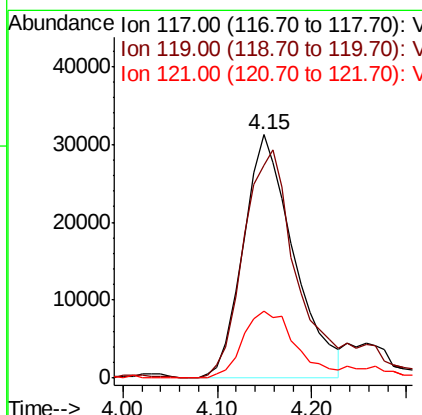
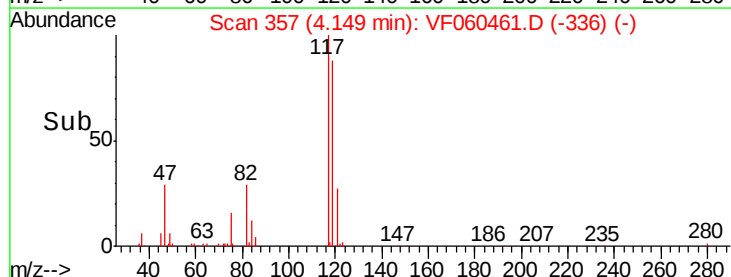
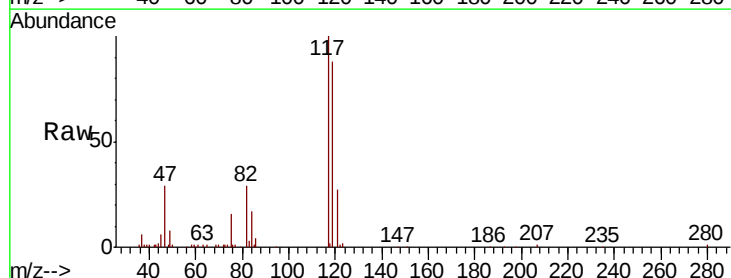
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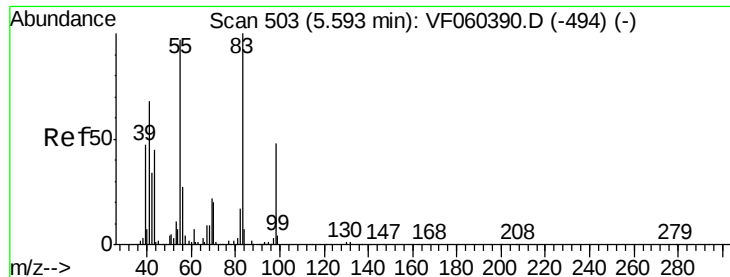
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#38
Carbon Tetrachloride
Concen: 26.314 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.7	75.5	113.3
121	27.3	25.4	38.0





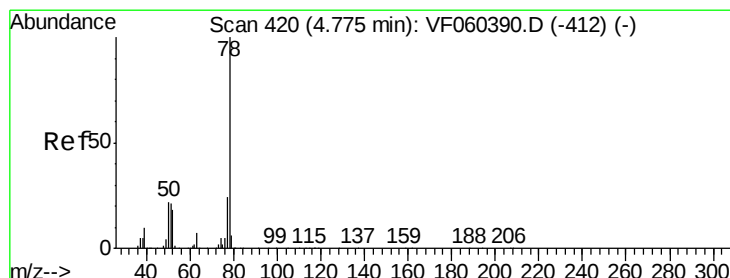
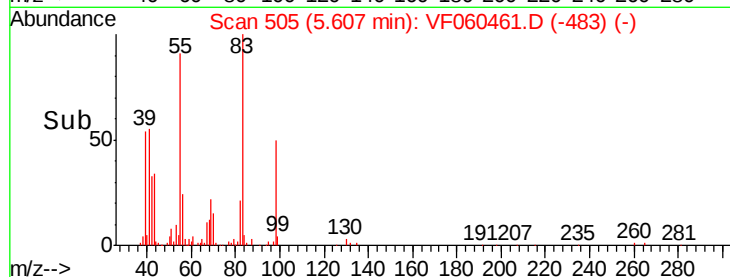
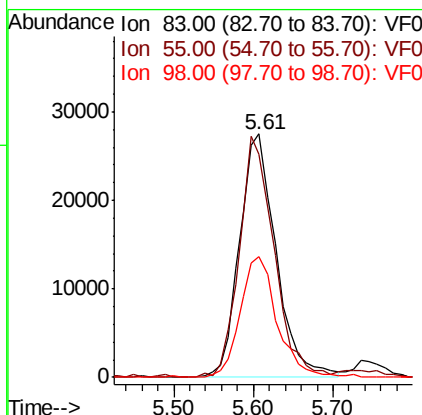
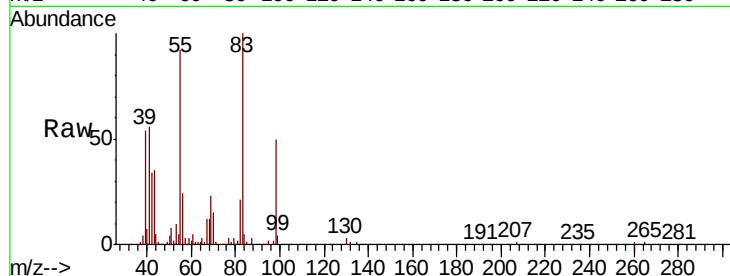
#39
Methvlcvclohexane
Concen: 24.688 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.6	77.5	116.3
98	49.7	38.7	58.1

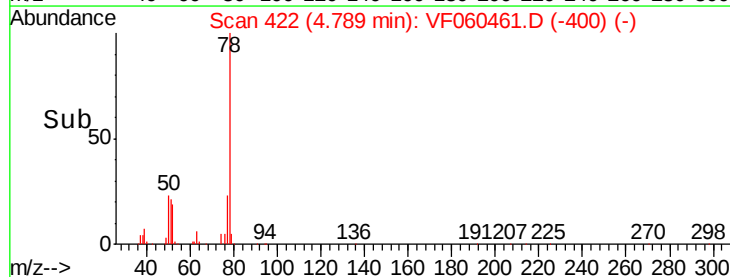
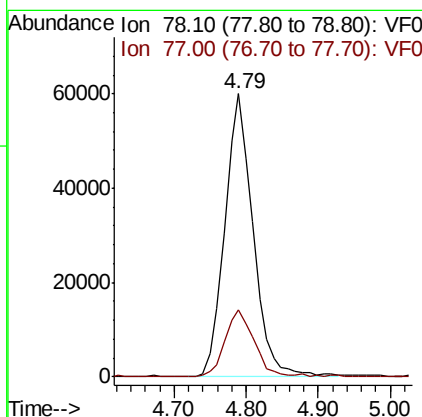
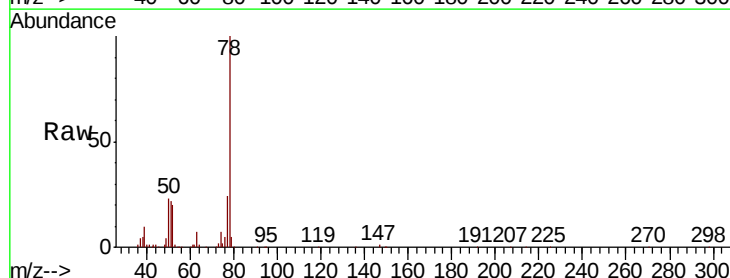
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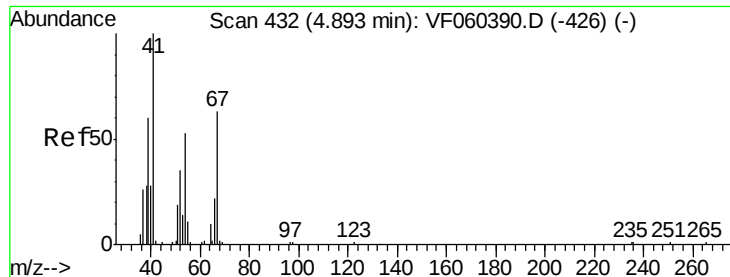
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#40
Benzene
Concen: 22.845 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





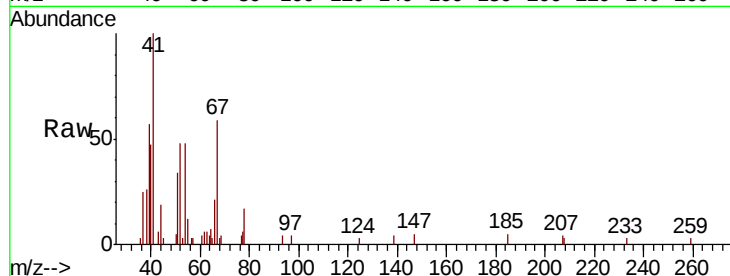
#41
Methacrylonitrile
Concen: 16.401 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

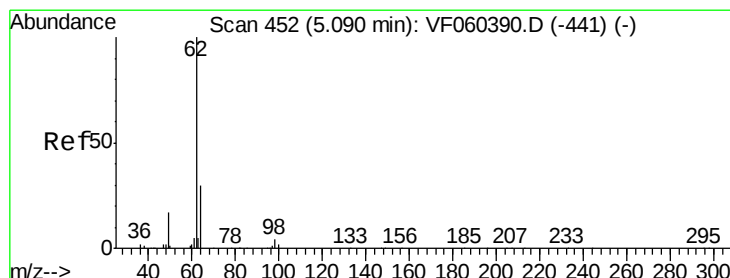
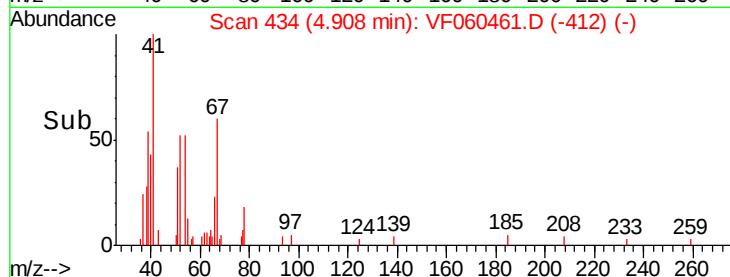
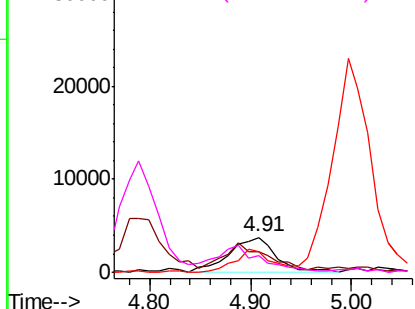
Tot Ion	Ratio	Lower	Upper
41	100		
39	57.4	55.0	82.4
67	62.3	49.6	74.4
52	48.2	38.8	58.2

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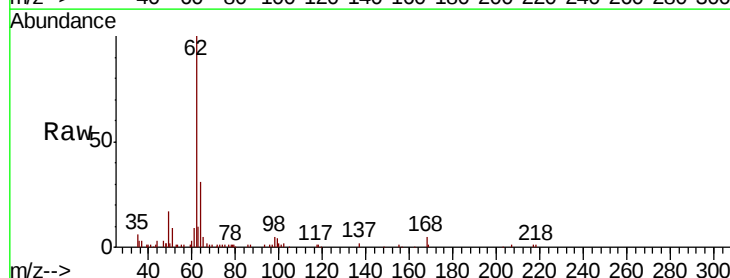


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

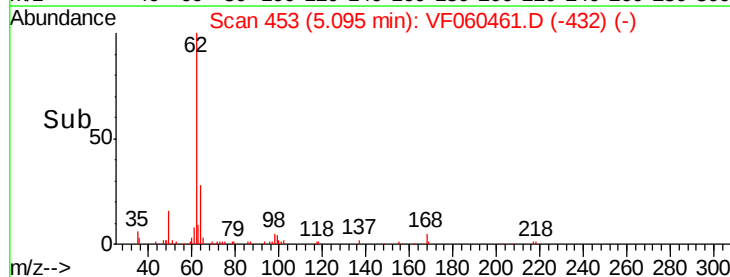
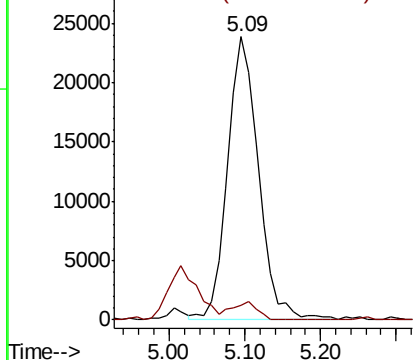


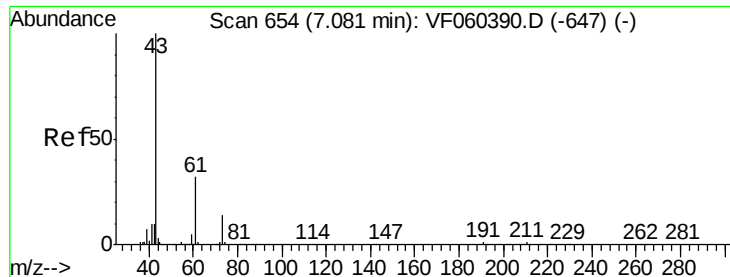
#42
1,2-Dichloroethane
Concen: 19.722 ug/l
RT: 5.09 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

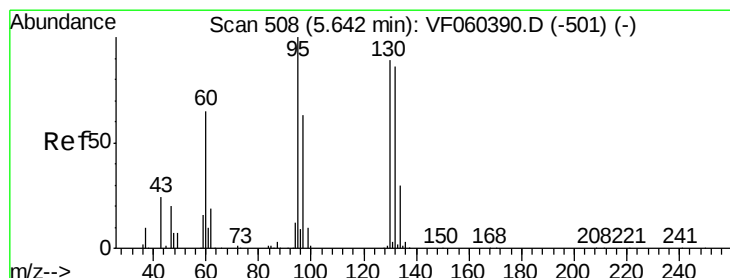
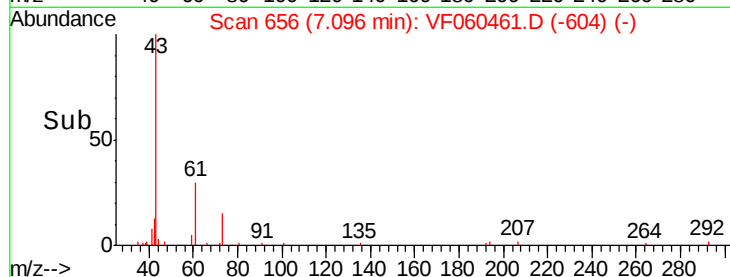
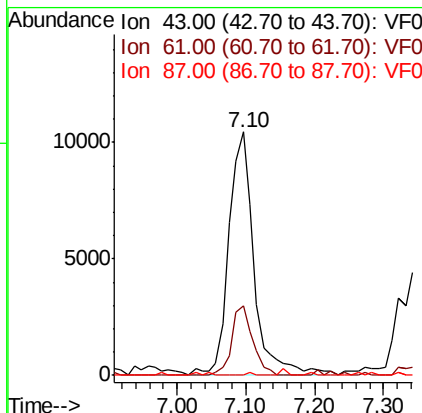
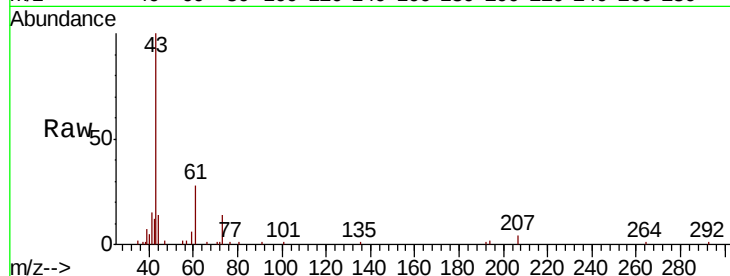
Isopropyl Acetate
 Concen: 15.968 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	25.4	38.2
87	0.0	0.3	0.5

Manual Integrations
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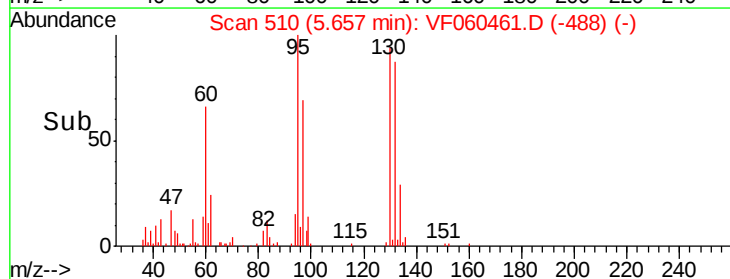
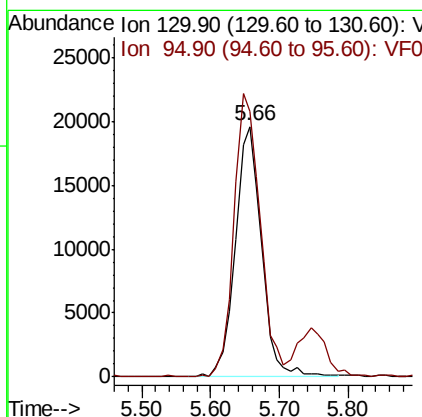
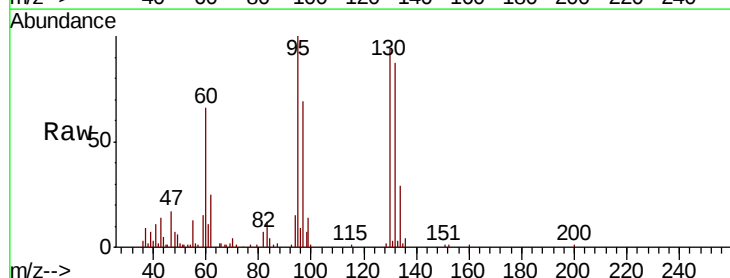
apatel
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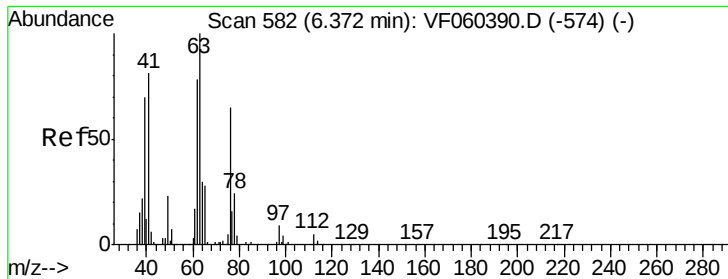


#44

Trichloroethene
 Concen: 22.487 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	224.4





#45

1,2-Dichloropropane

Concen: 20.452 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 63 Resp: 39050

Ion Ratio Lower Upper

63 100

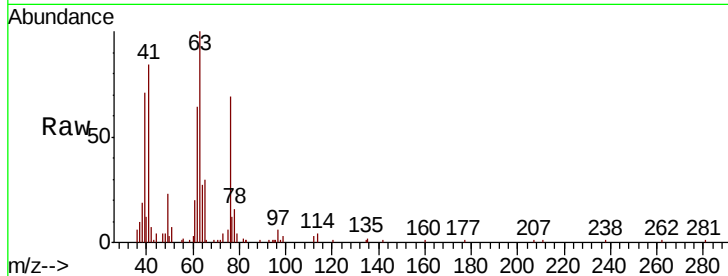
65 29.6 22.7 34.1

Manual Integrations

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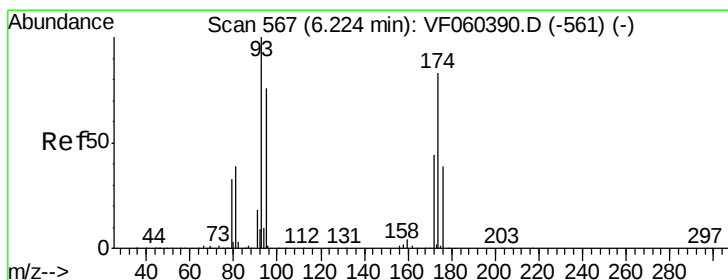
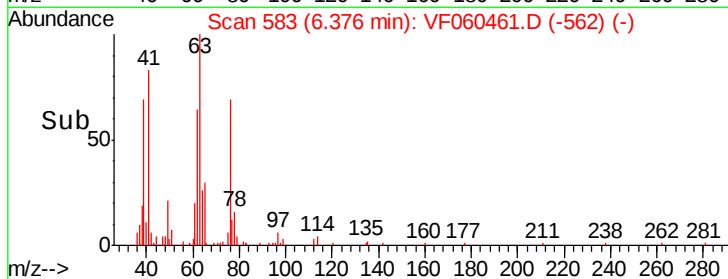
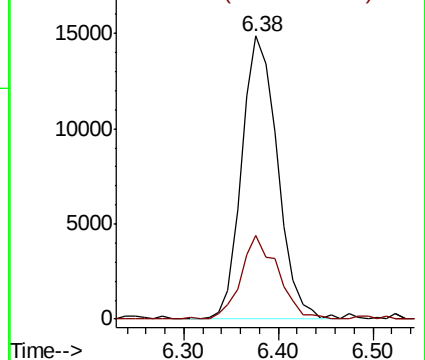
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 17.374 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

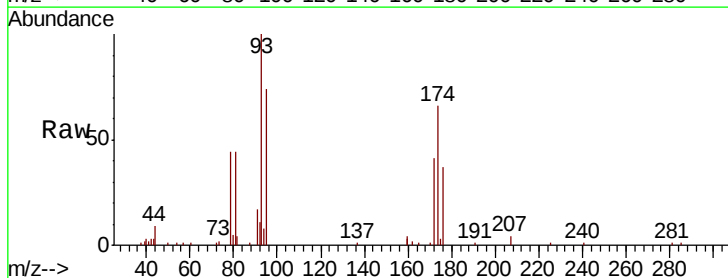
Tgt Ion: 93 Resp: 26671

Ion Ratio Lower Upper

93 100

95 74.0 61.1 91.7

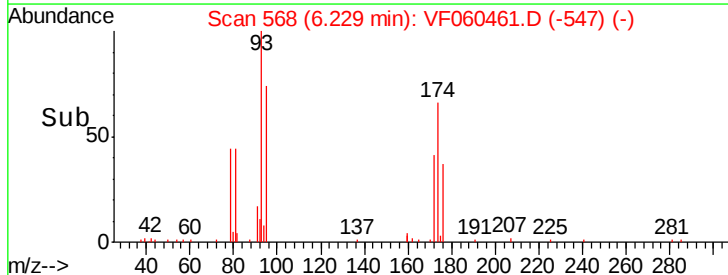
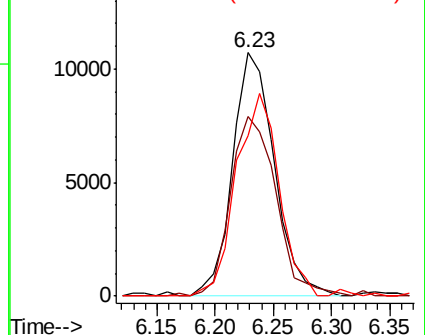
174 65.8 66.7 100.1#

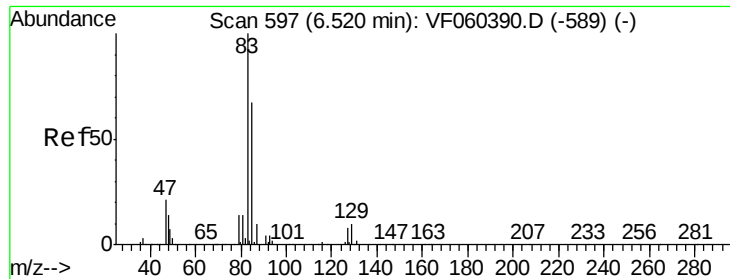


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.073 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

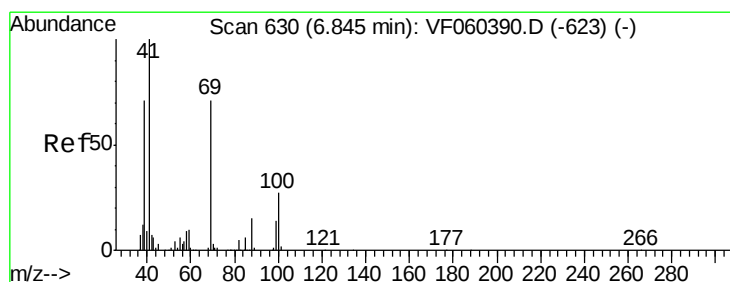
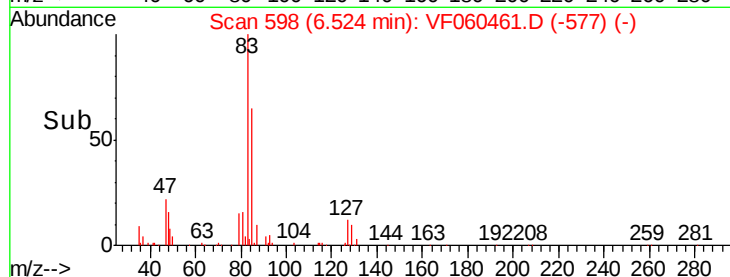
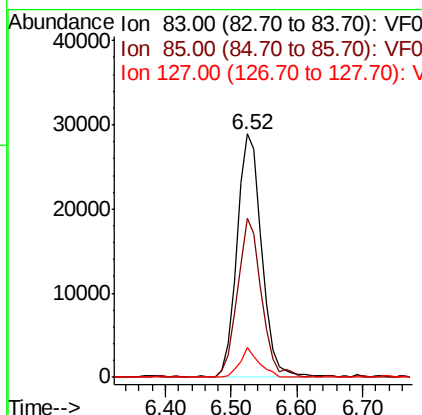
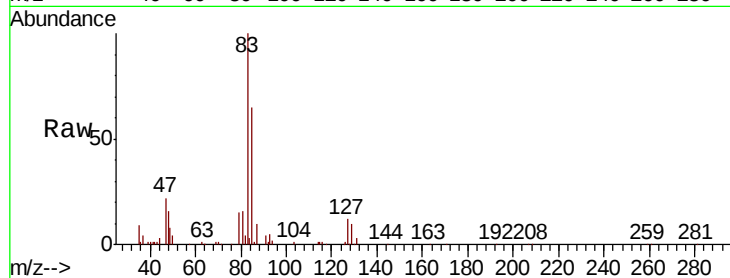
ClientSampleId :

VF1005SBS01

Tot Ion:	83	Resp:	76318
Ion Ratio	Lower	Upper	
83	100		
85	65.3	53.2	79.8
127	12.3	6.6	9.8#

Manual Integrations
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#48

Methyl methacrylate

Concen: 14.795 ug/l

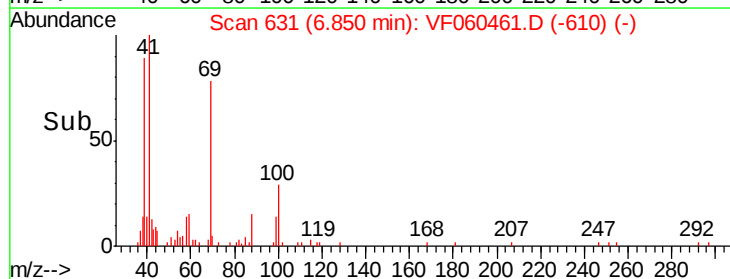
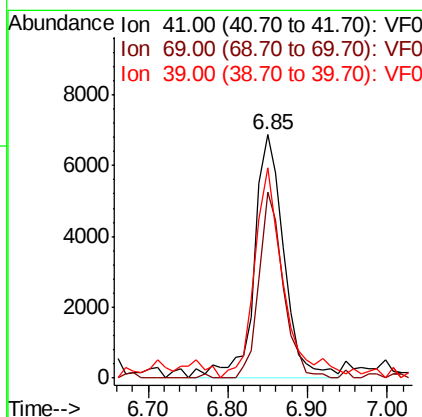
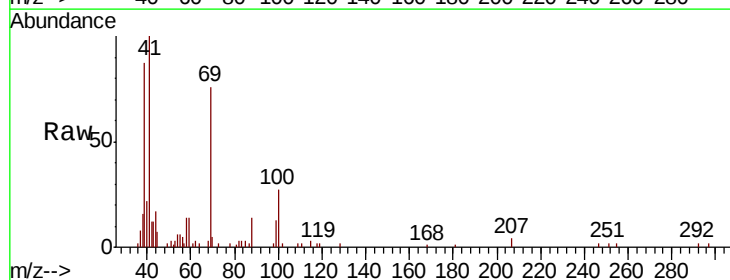
RT: 6.85 min Scan# 631

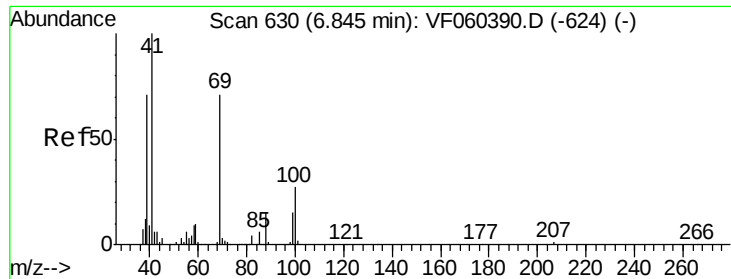
Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:	41	Resp:	17750
Ion Ratio	Lower	Upper	
41	100		
69	76.4	56.3	84.5
39	86.6	56.9	85.3#





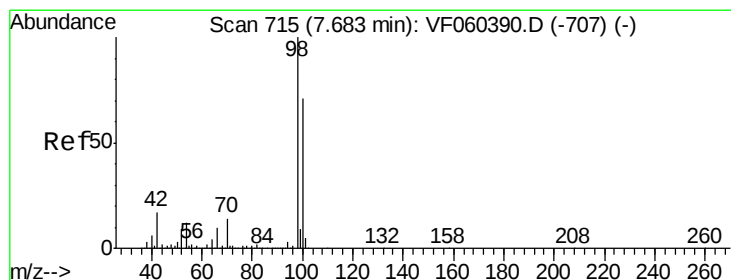
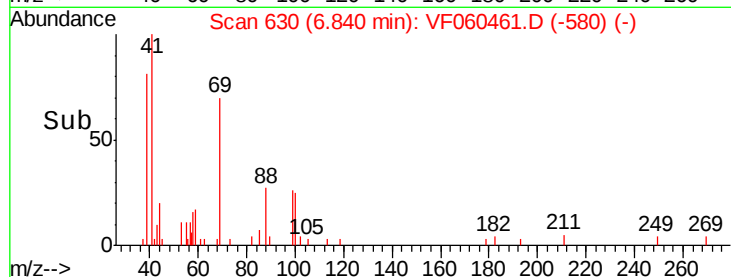
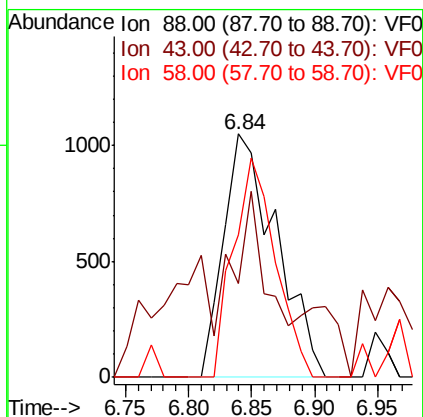
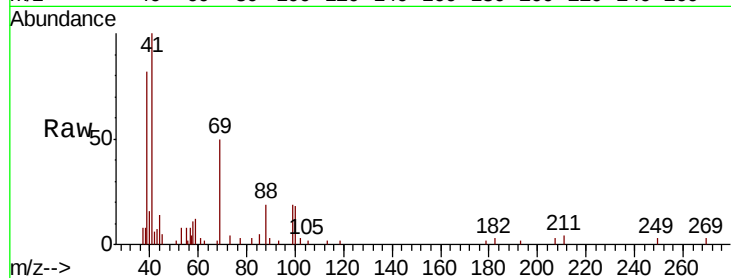
#49
1,4-Dioxane
Concen: 294.170 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	38.3	57.5#
58	58.3	47.4	71.2

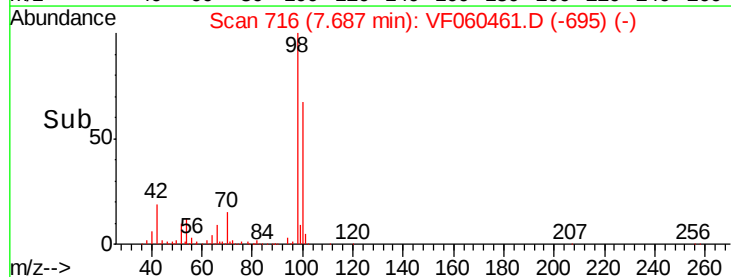
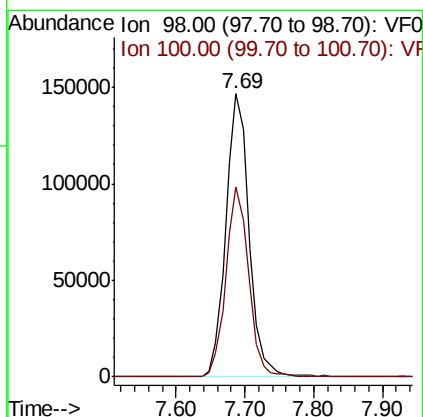
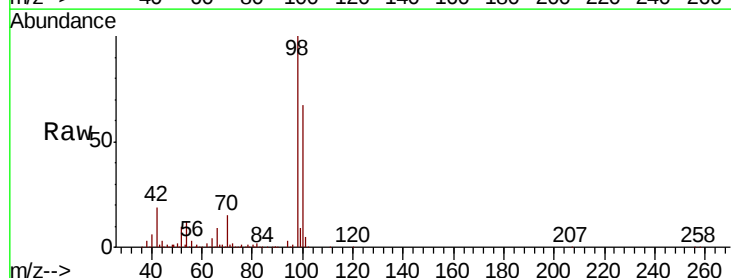
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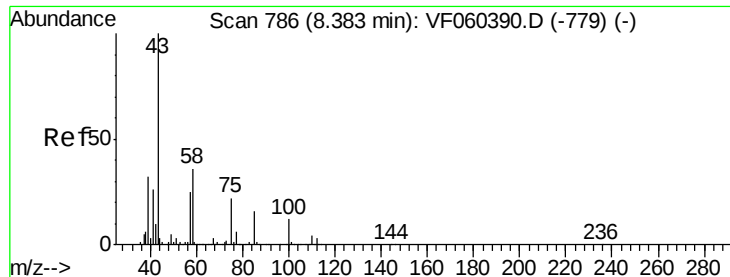
apatel
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#50
Toluene-d8
Concen: 50.405 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 70.092 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 43 Resp: 83390

Ion Ratio Lower Upper

43 100

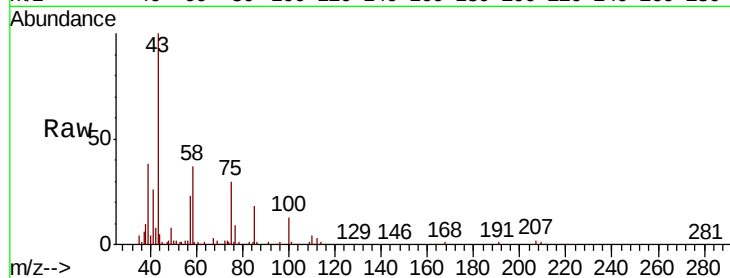
58 36.5 28.5 42.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

40000

30000

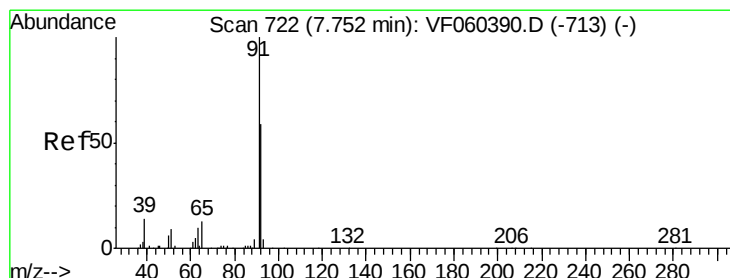
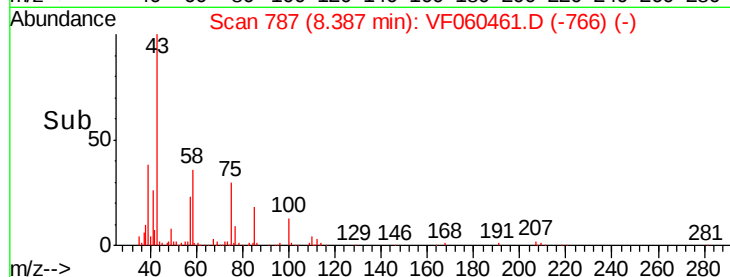
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.213 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060461.D

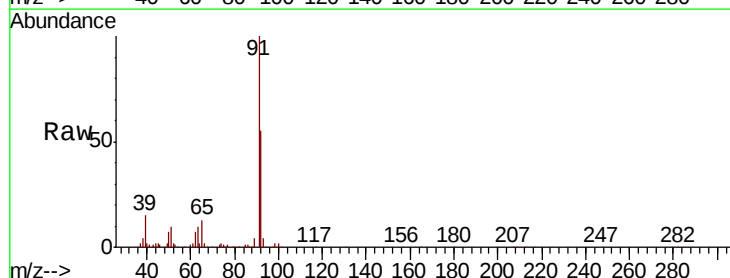
Acq: 5 Oct 2018 17:45

Tgt Ion: 92 Resp: 103302

Ion Ratio Lower Upper

92 100

91 180.7 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

80000

60000

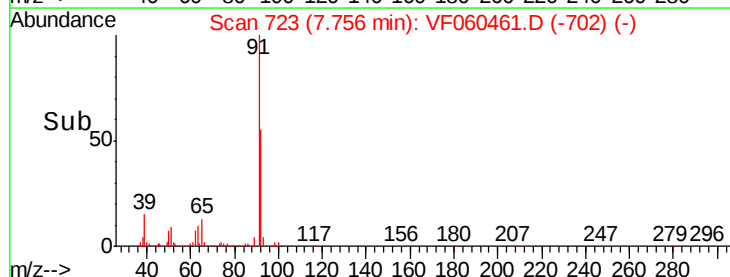
40000

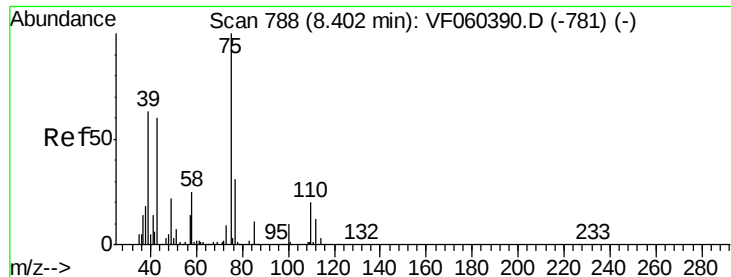
20000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.798 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 75 Resp: 58990

Ion Ratio Lower Upper

75 100

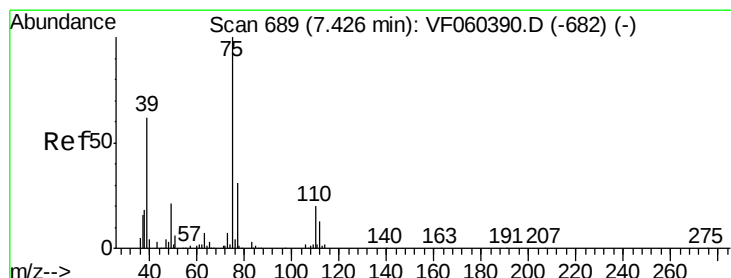
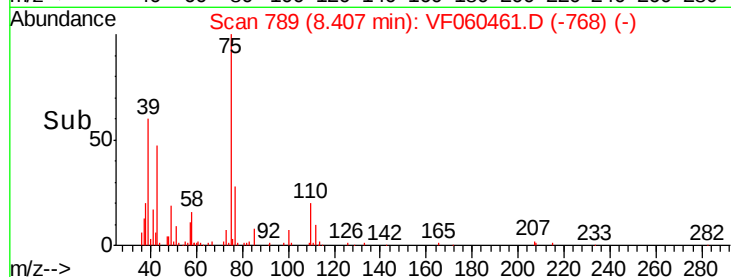
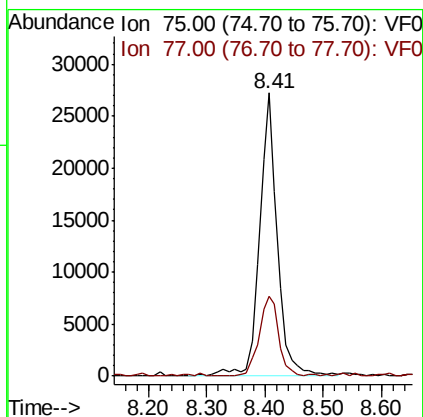
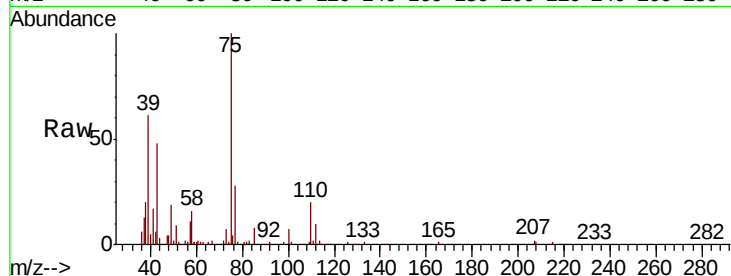
77 28.2 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.051 ug/l

RT: 7.44 min Scan# 691

Delta R.T. 0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

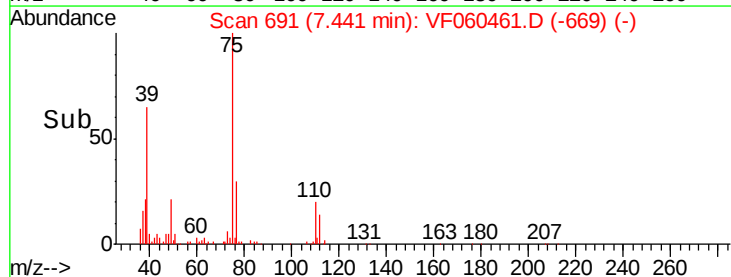
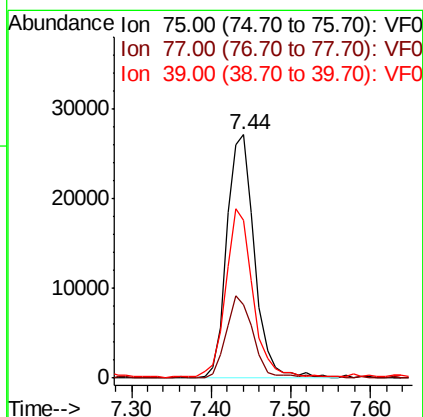
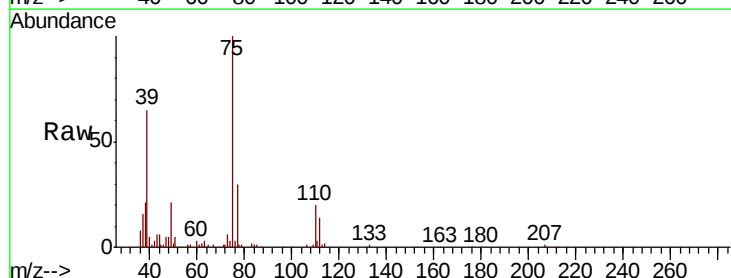
Tgt Ion: 75 Resp: 66342

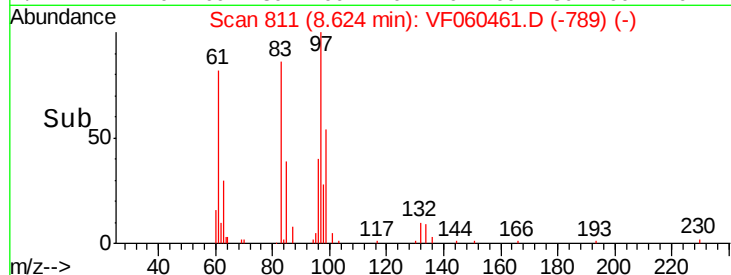
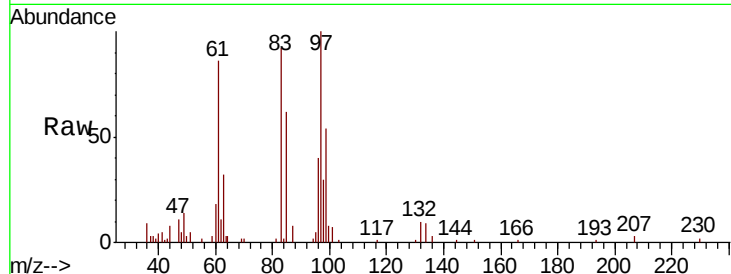
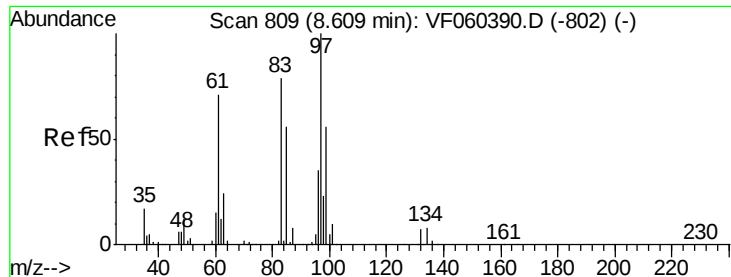
Ion Ratio Lower Upper

75 100

77 30.0 25.2 37.8

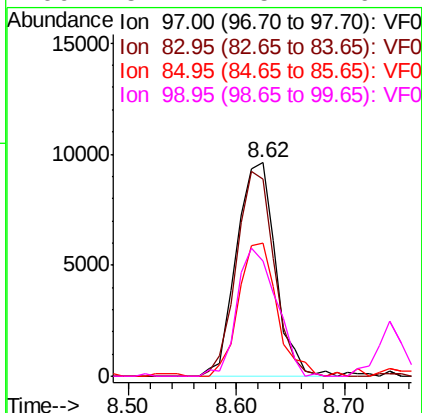
39 65.1 49.7 74.5





#55
1,1,2-Trichloroethane
Concen: 15.667 ug/l
RT: 8.62 min Scan# 811
Delta R.T. 0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

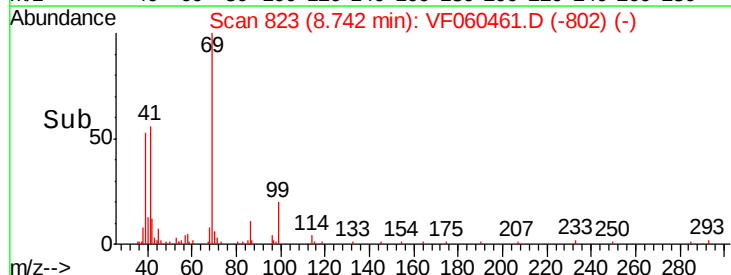
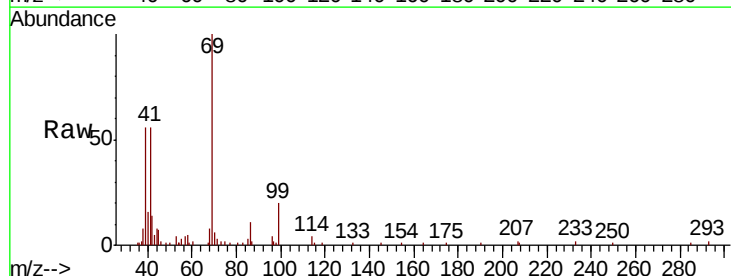
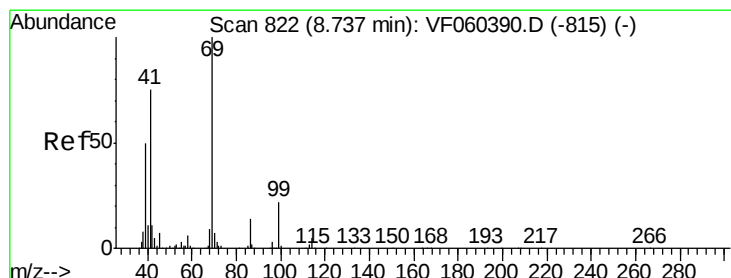
Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	92.3	63.4	95.0	
85	62.2	44.5	66.7	
99	54.1	45.1	67.7	



Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

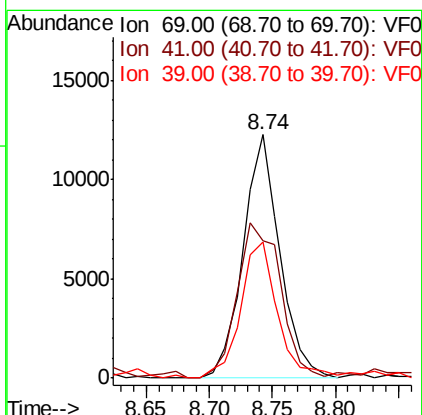
Manual Integrations
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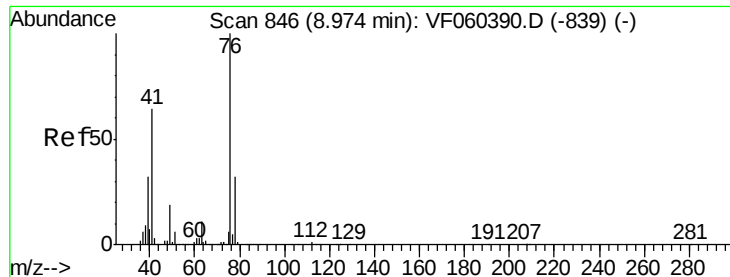
apatel
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#56
Ethyl methacrylate
Concen: 14.105 ug/l
RT: 8.74 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	56.2	60.2	90.4#	
39	56.0	40.2	60.2	





#57

1,3-Dichloropropane

Concen: 17.573 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 76 Resp: 45888

Ion Ratio Lower Upper

76 100

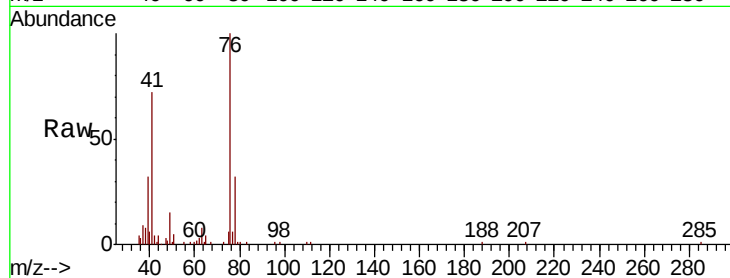
78 32.5 25.3 37.9

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.98

25000

20000

15000

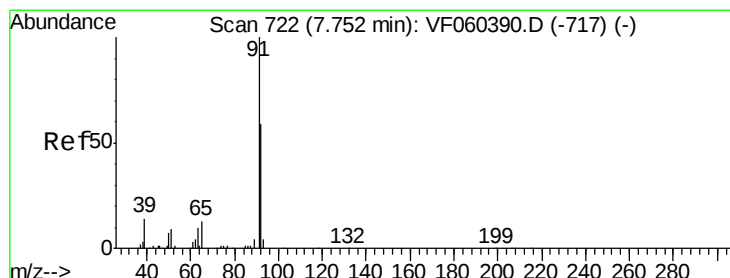
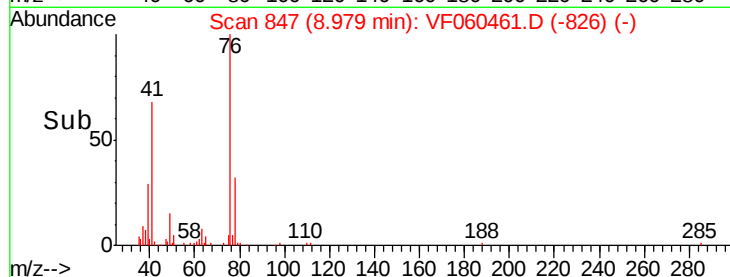
10000

5000

0

Time-->

8.80 8.90 9.00 9.10 9.20



#58

2-Chloroethyl Vinyl ether

Concen: 105.602 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060461.D

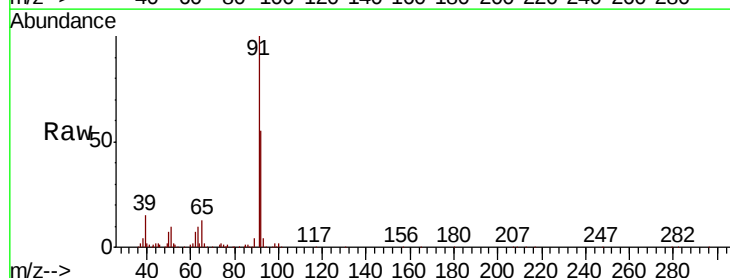
Acq: 5 Oct 2018 17:45

Tgt Ion: 63 Resp: 18920

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.76

8000

6000

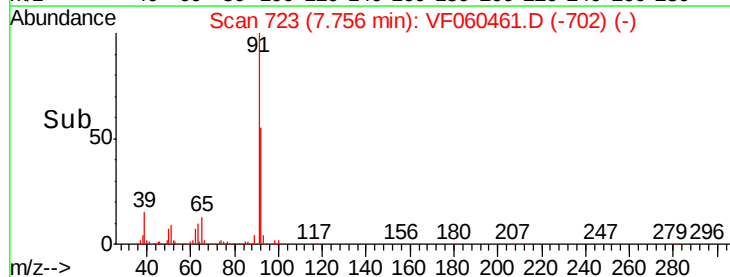
4000

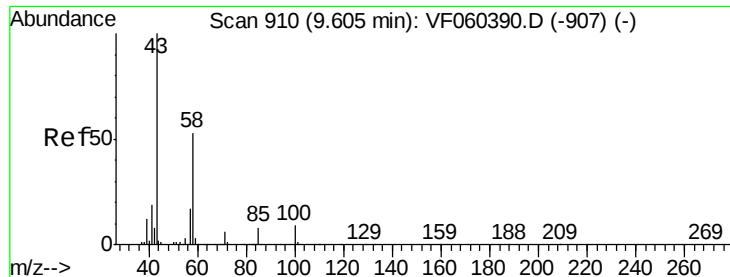
2000

0

Time-->

7.70 7.80





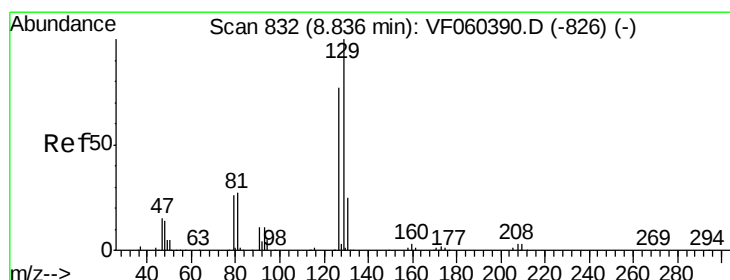
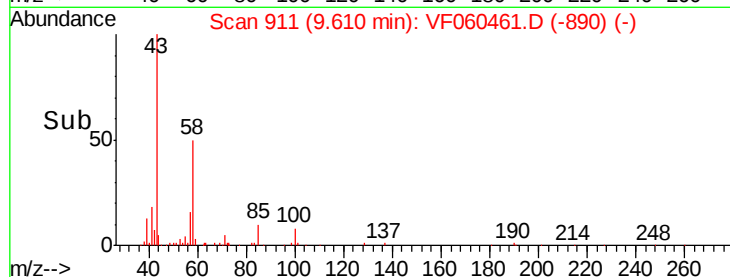
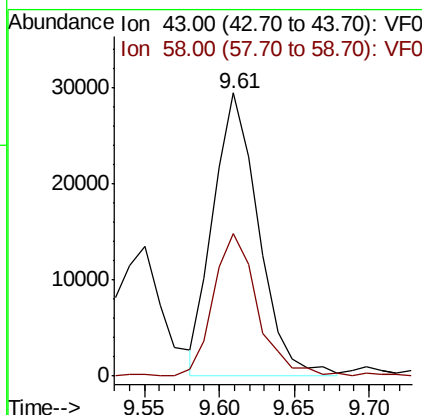
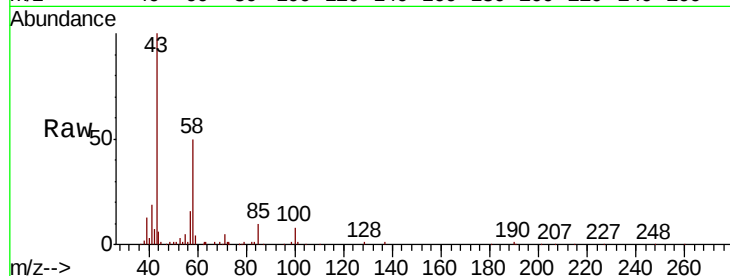
#59
2-Hexanone
Concen: 71.394 ug/l m
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion: 43 Resp: 62302
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.6

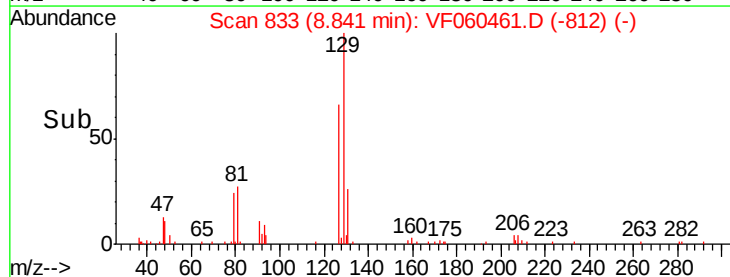
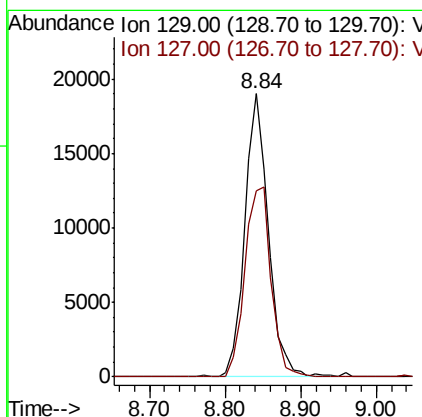
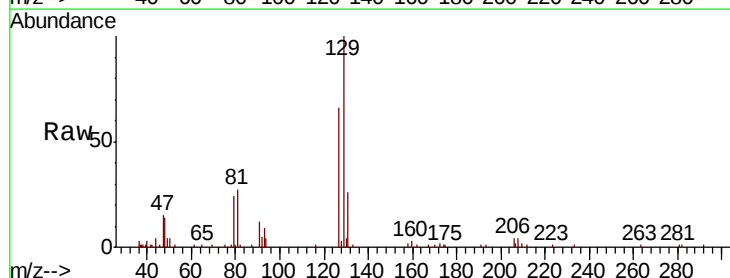
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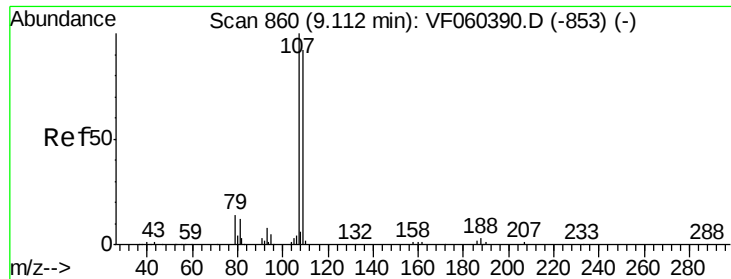
apatel
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#60
Dibromochloromethane
Concen: 17.657 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion:129 Resp: 41037
Ion Ratio Lower Upper
129 100
127 65.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 17.728 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 107 Resp: 29943

Ion Ratio Lower Upper

107 100

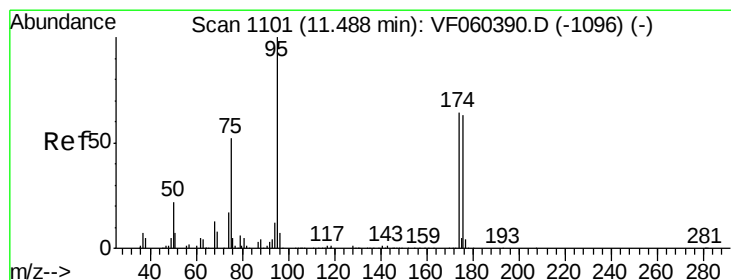
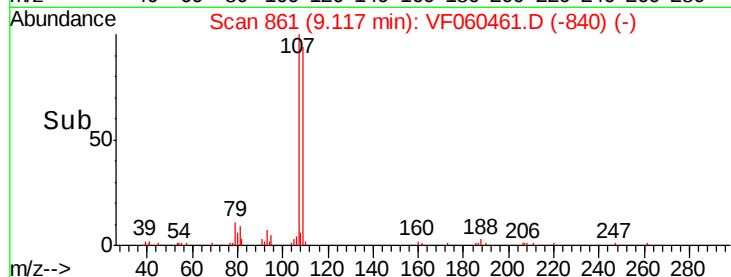
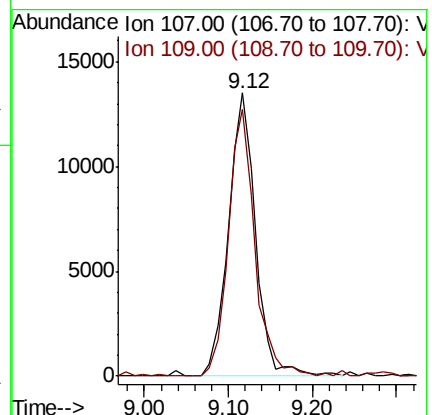
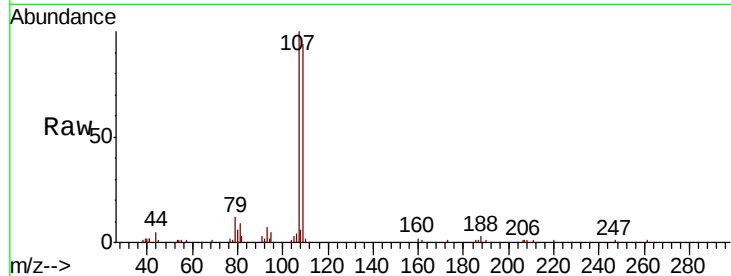
109 94.3 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 48.037 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

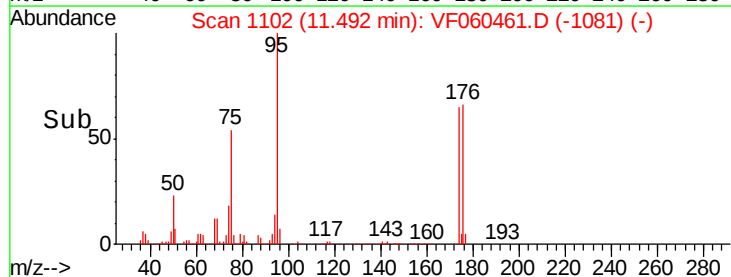
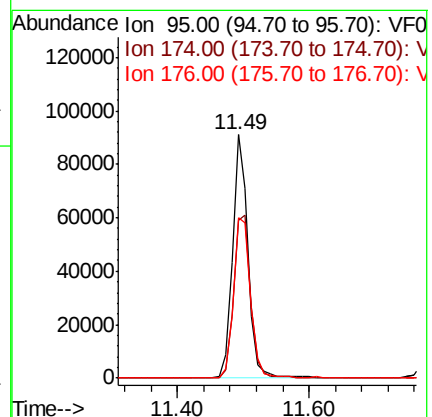
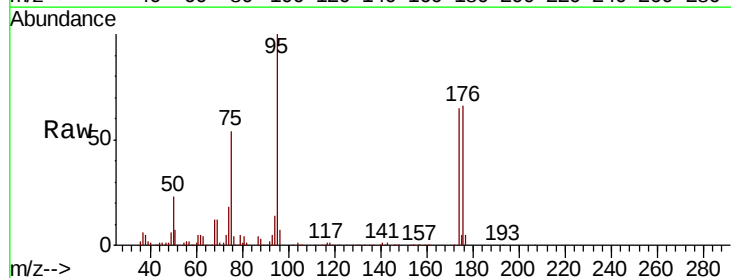
Tgt Ion: 95 Resp: 148648

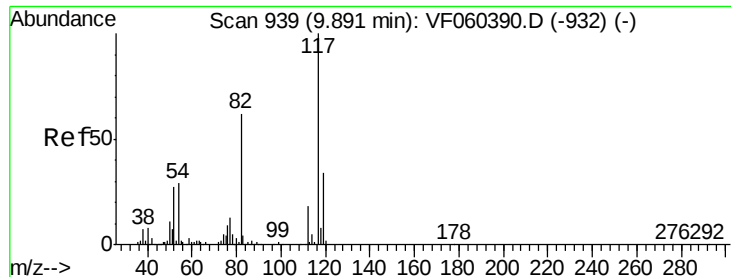
Ion Ratio Lower Upper

95 100

174 64.7 0.0 129.0

176 66.1 0.0 125.6





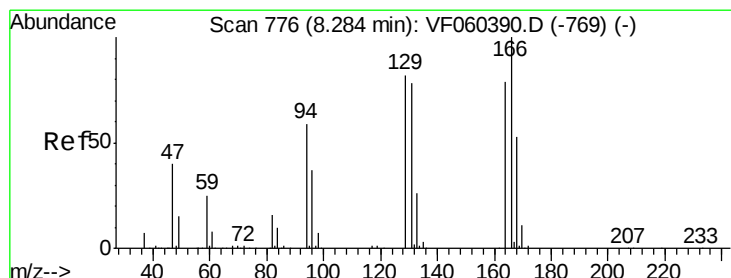
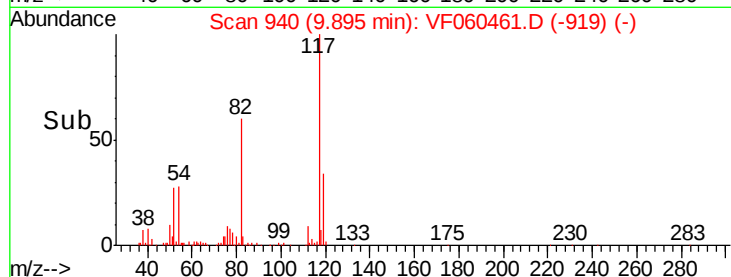
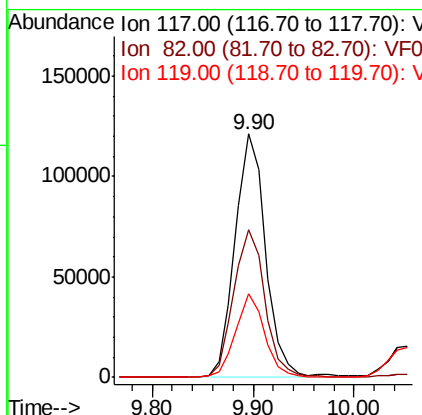
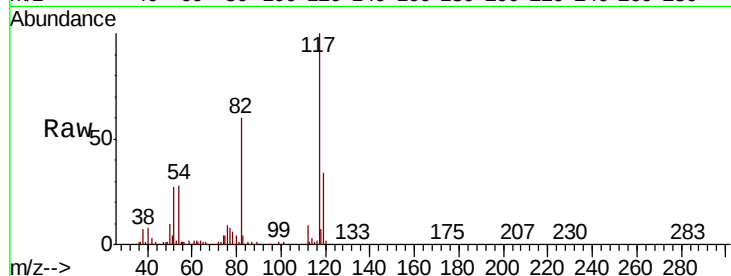
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.5	74.3
119	34.3	27.0	40.6

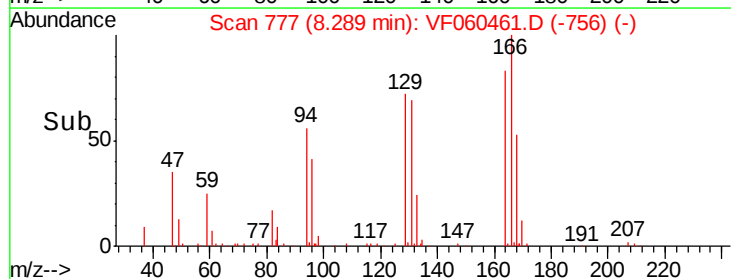
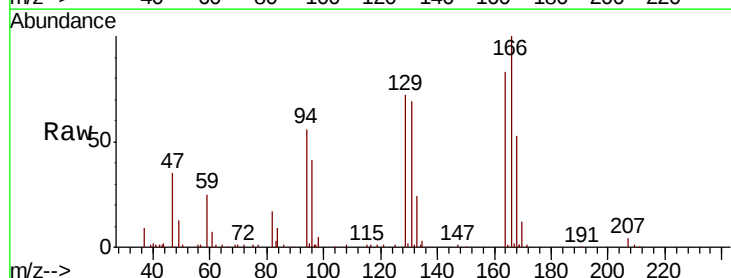
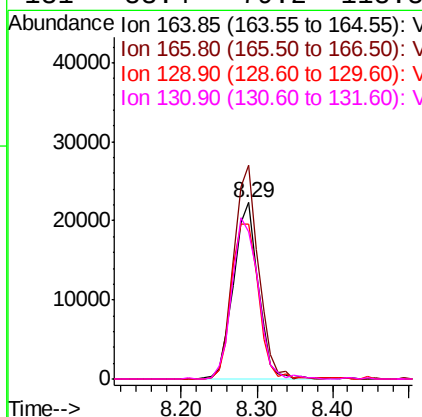
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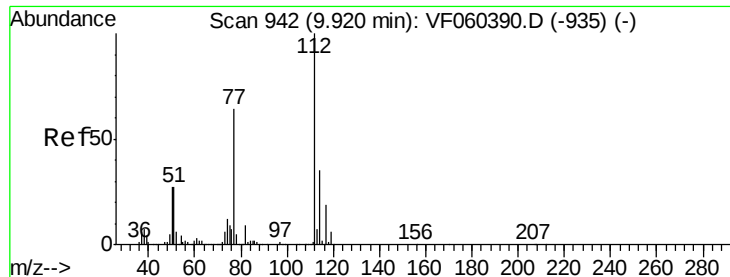
apatel
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#64
Tetrachloroethene
Concen: 24.845 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	101.0	151.6
129	87.6	82.5	123.7
131	83.4	79.2	118.8





#65

Chlorobenzene

Concen: 21.758 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion:112 Resp: 114531

Ion Ratio Lower Upper

112 100

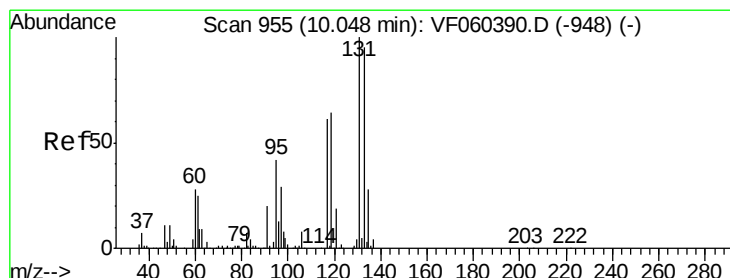
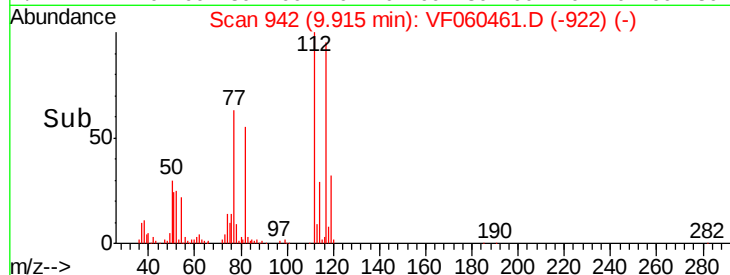
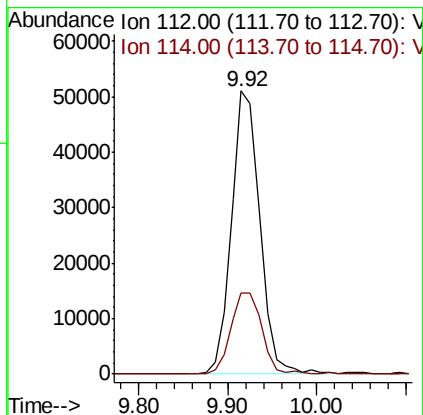
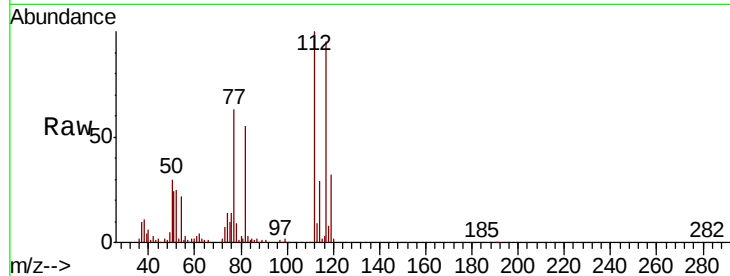
114 28.8 27.7 41.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.989 ug/l

RT: 10.05 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

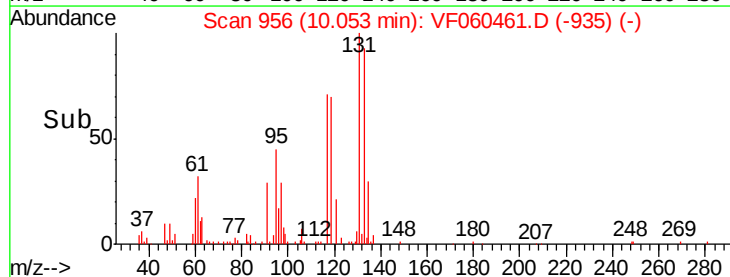
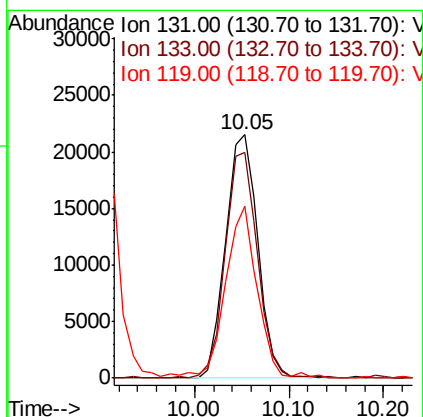
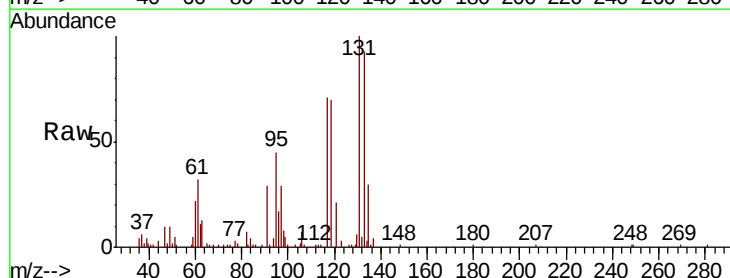
Tgt Ion:131 Resp: 50541

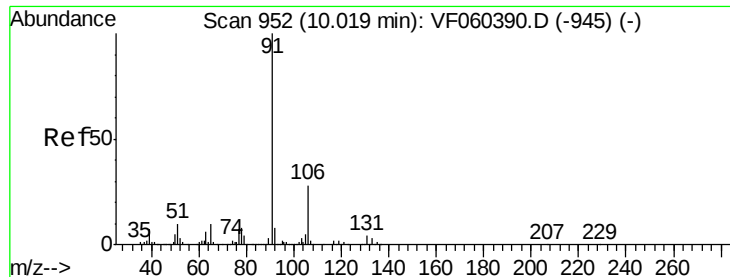
Ion Ratio Lower Upper

131 100

133 92.8 47.3 141.8

119 70.4 32.3 96.9





#67

Ethyl Benzene

Concen: 23.601 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 91 Resp: 236217

Ion Ratio Lower Upper

91 100

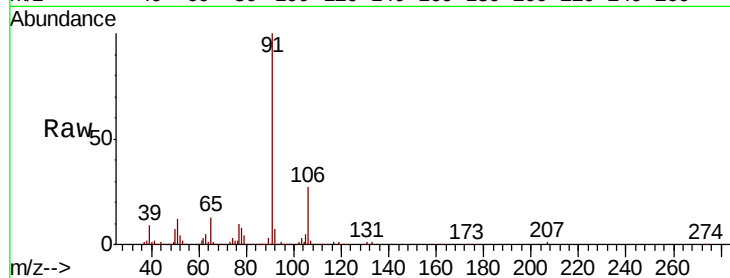
106 26.5 22.5 33.7

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

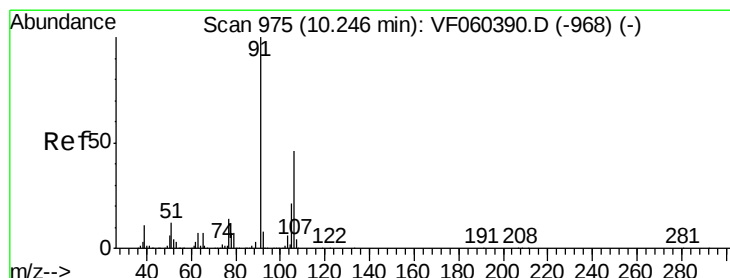
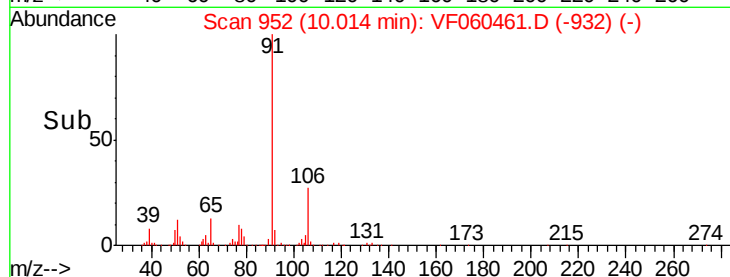
50000

0

10.01

10.20

Time-->



#68

m/p-Xylenes

Concen: 47.362 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060461.D

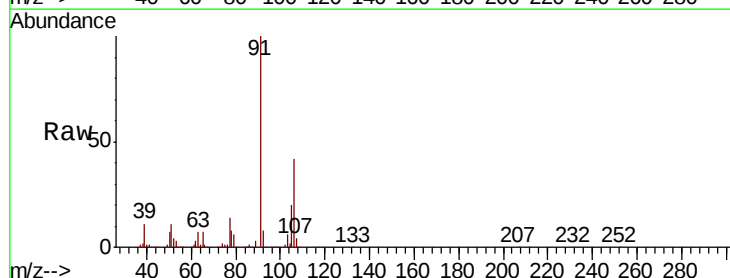
Acq: 5 Oct 2018 17:45

Tgt Ion:106 Resp: 162957

Ion Ratio Lower Upper

106 100

91 236.1 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

100000

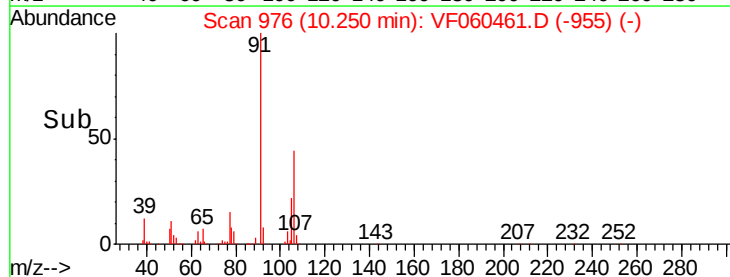
50000

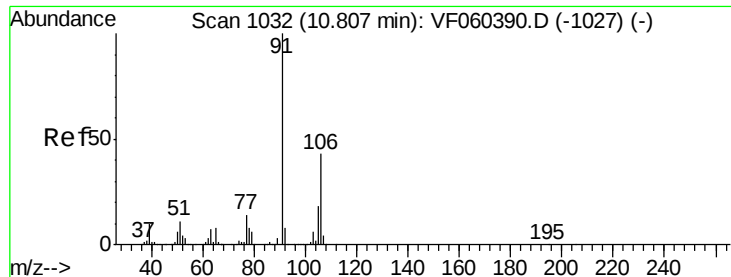
0

10.25

10.40

Time-->





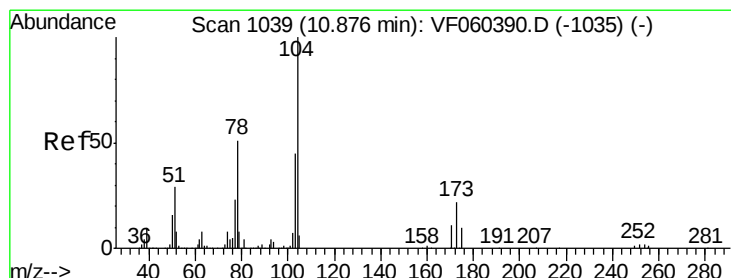
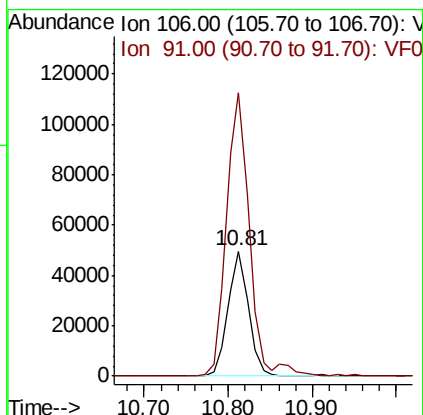
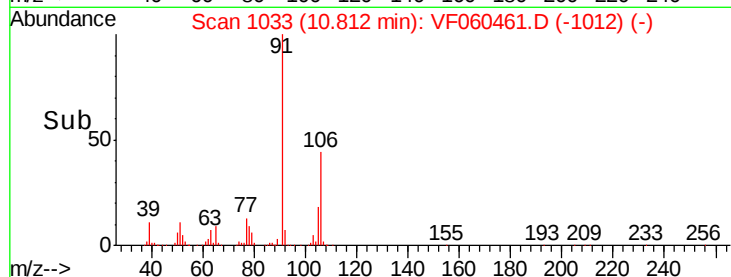
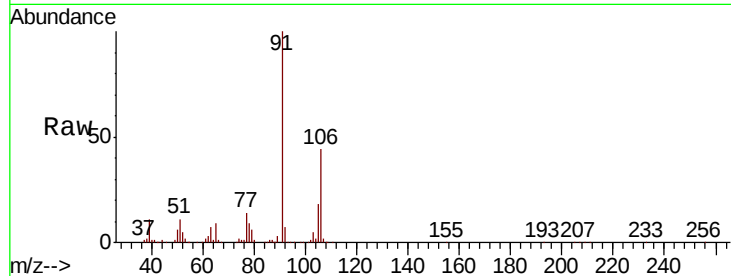
#69
o-Xylene
Concen: 22.539 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion:106 Resp: 84531
Ion Ratio Lower Upper
106 100
91 226.5 115.1 345.2

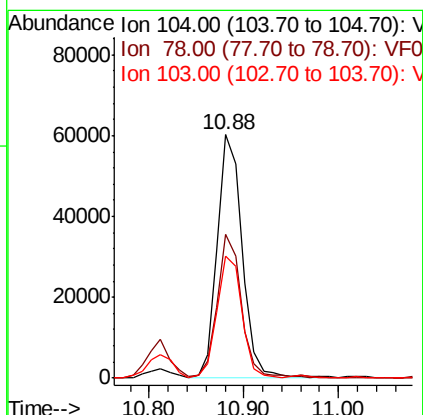
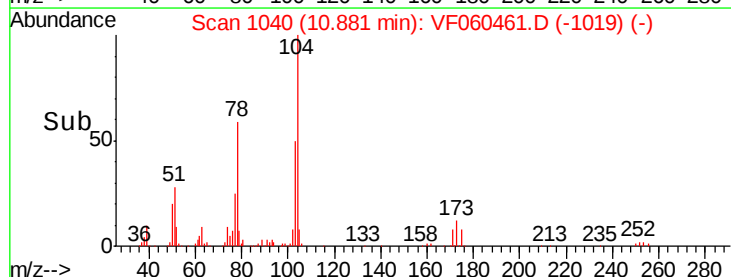
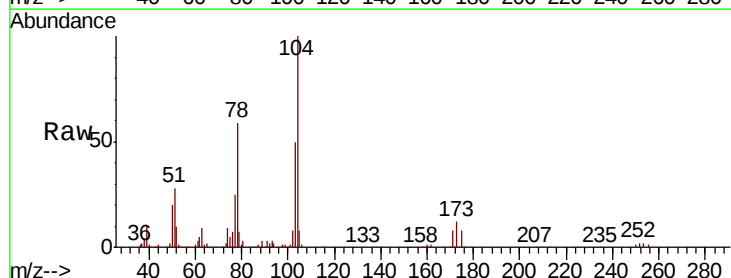
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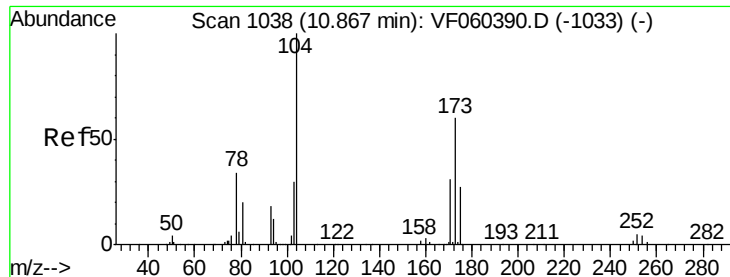
apatel
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#70
Styrene
Concen: 20.715 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion:104 Resp: 110505
Ion Ratio Lower Upper
104 100
78 59.0 41.0 61.4
103 50.3 36.4 54.6





#71

Bromoform

Concen: 15.374 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

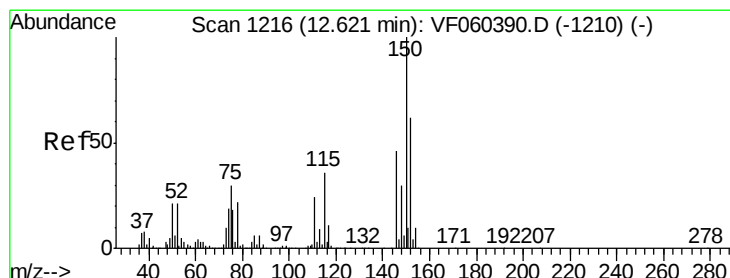
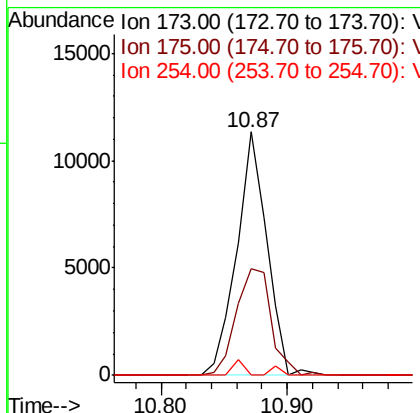
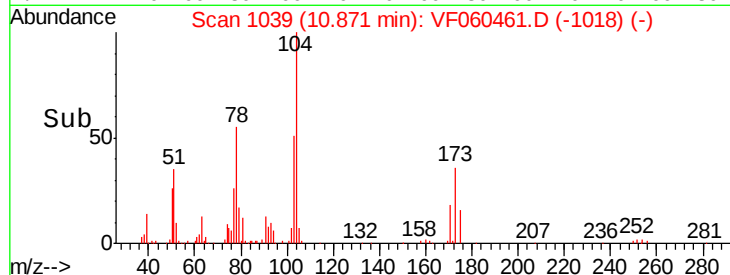
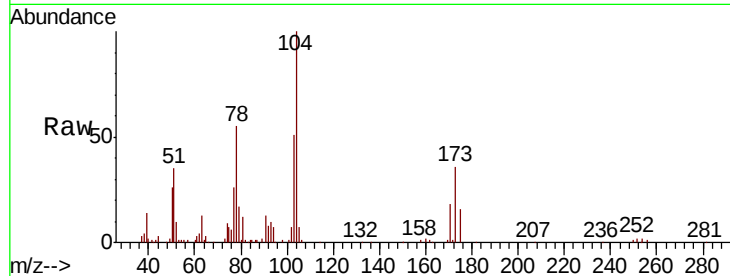
ClientSampleId :

VF1005SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.0	22.1	66.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

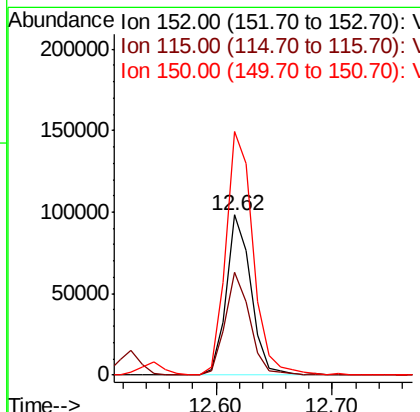
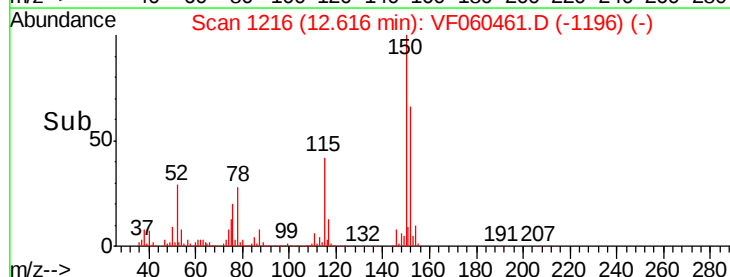
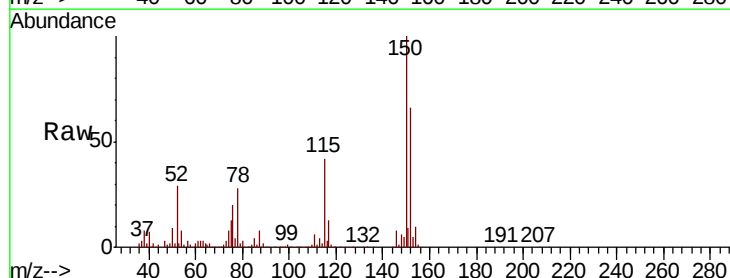
RT: 12.62 min Scan# 1216

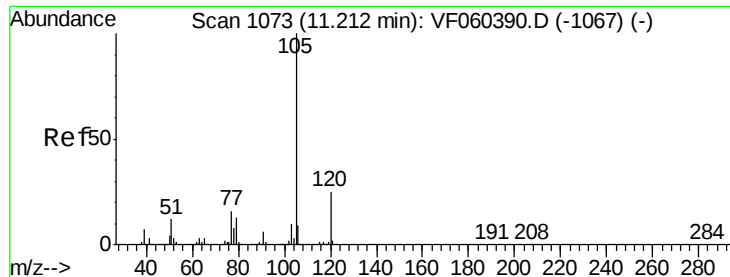
Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	28.6	85.8
150	152.2	0.0	324.6





#73

Isopropylbenzene

Concen: 25.328 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 105 Resp: 288327

Ion Ratio Lower Upper

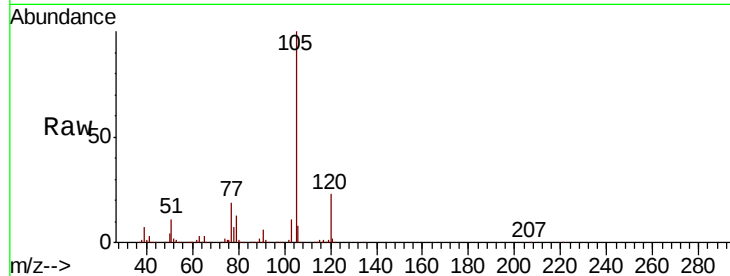
105 100

120 22.9 12.3 36.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

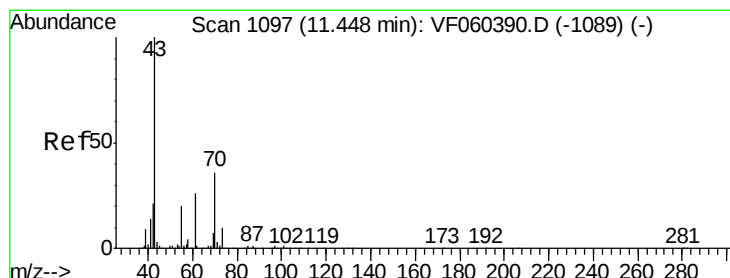
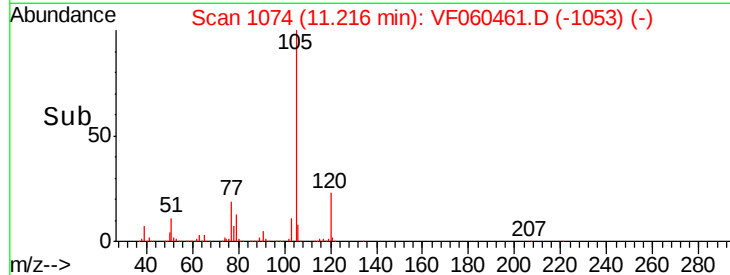
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 11.945 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion: 43 Resp: 31208

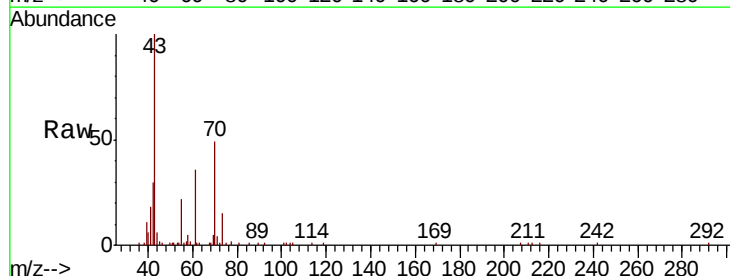
Ion Ratio Lower Upper

43 100

70 48.6 29.1 43.7#

55 21.8 16.3 24.5

61 36.3 21.0 31.4#



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

25000

20000

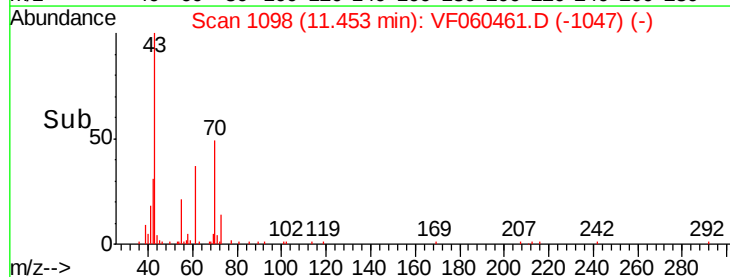
15000

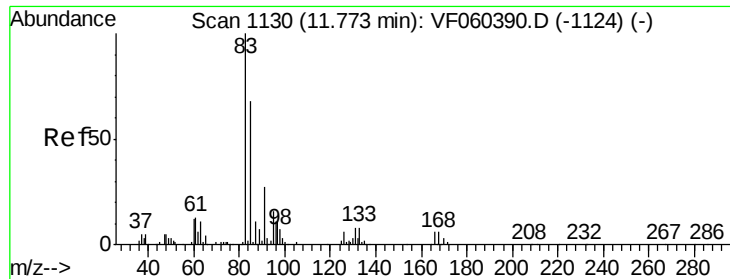
10000

5000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 17.541 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

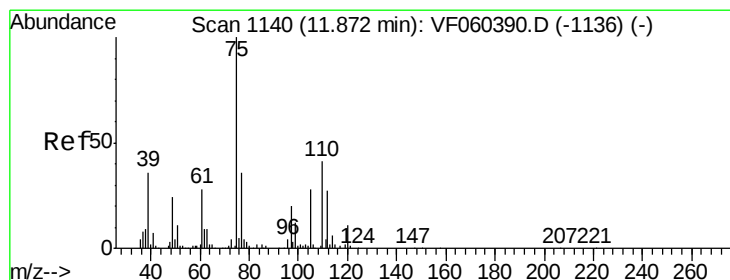
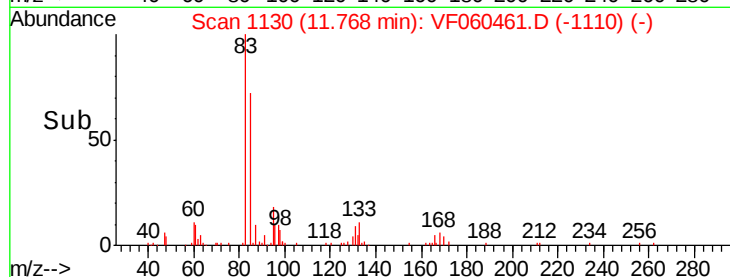
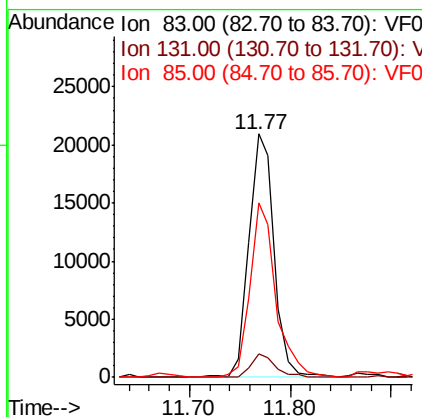
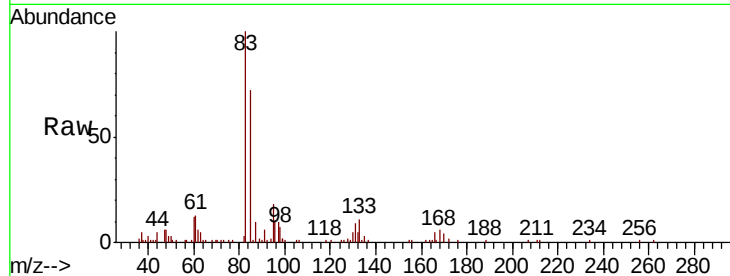
ClientSampleId :

VF1005SBS01

Tot Ion:	83	Resp:	36405
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.0	12.0
85	71.8	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 17.738 ug/l

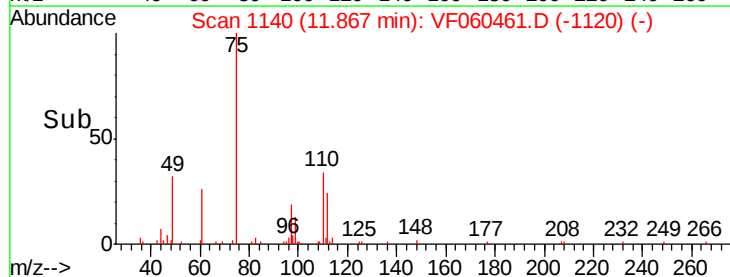
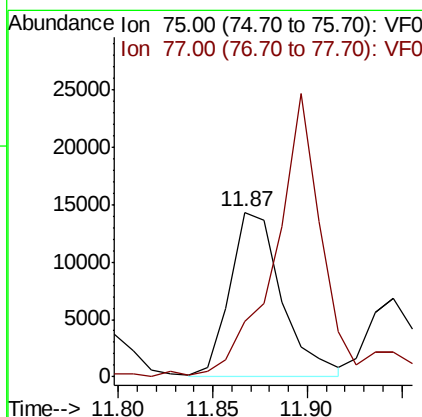
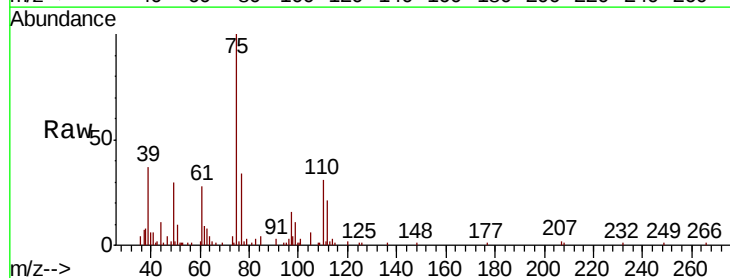
RT: 11.87 min Scan# 1140

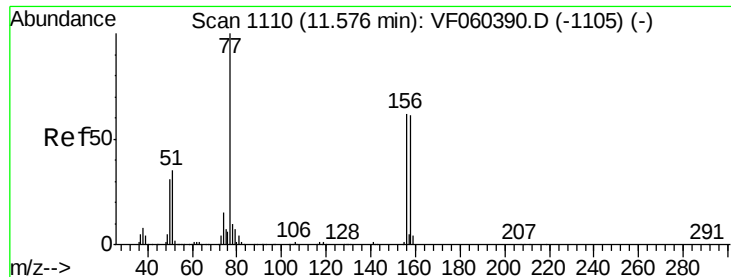
Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:	75	Resp:	27103
Ion Ratio	Lower	Upper	
75	100		
77	33.8	18.1	54.4





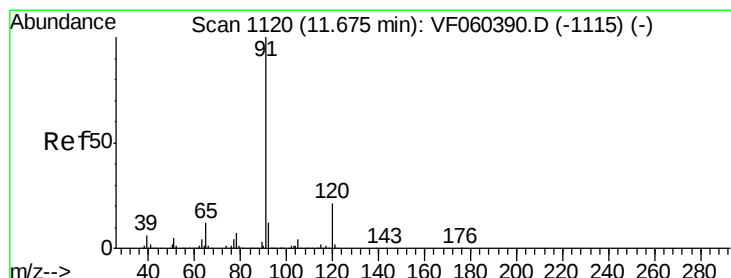
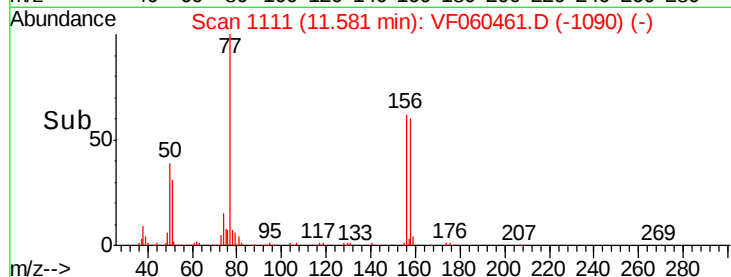
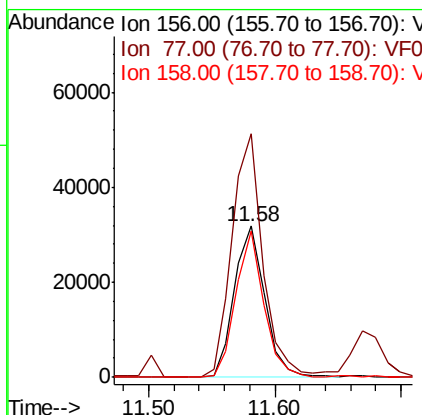
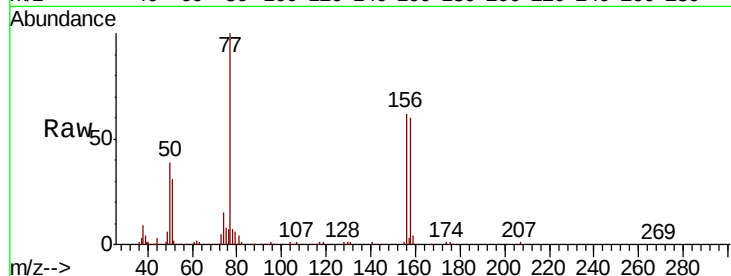
#77
Bromobenzene
Concen: 20.913 ug/l
RT: 11.58 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	161.3	81.3	243.9	
158	97.3	49.6	149.0	

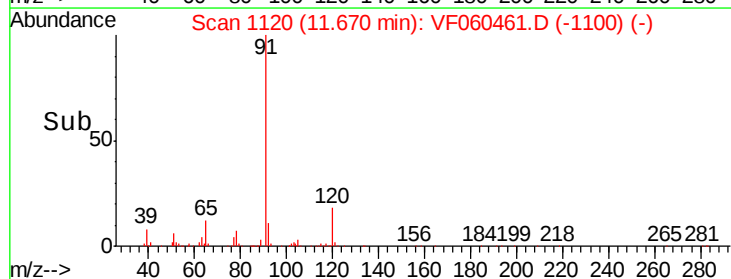
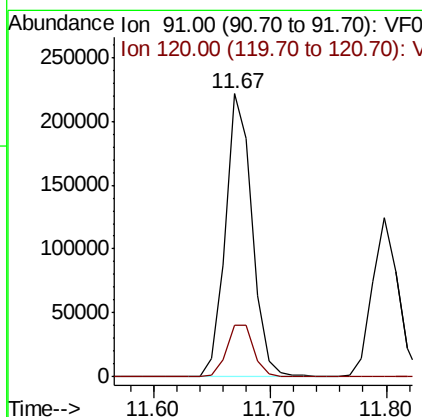
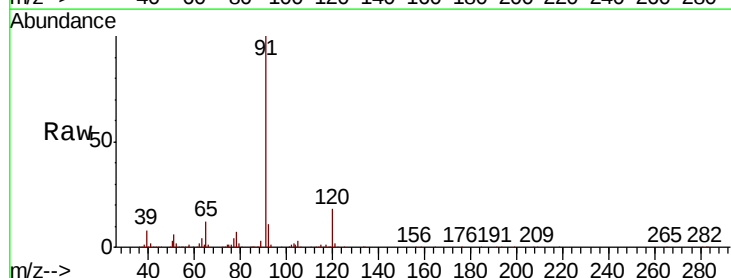
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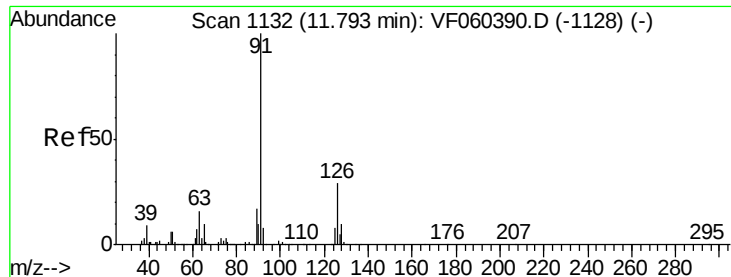
apatel
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#78
n-propylbenzene
Concen: 25.266 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	18.4	10.5	31.6	





#79

2-Chlorotoluene

Concen: 23.753 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

ClientSampleId :

VF1005SBS01

Tot Ion: 91 Resp: 191750

Ion Ratio Lower Upper

91 100

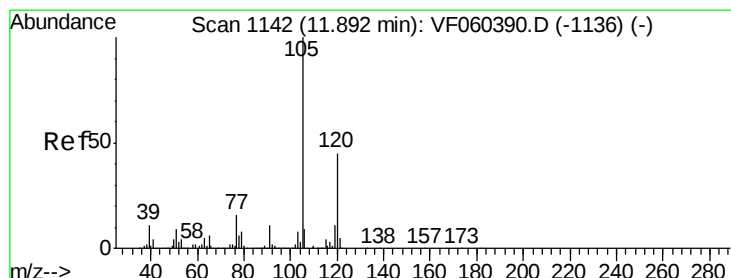
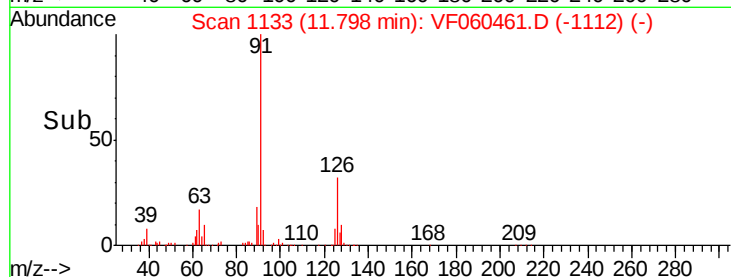
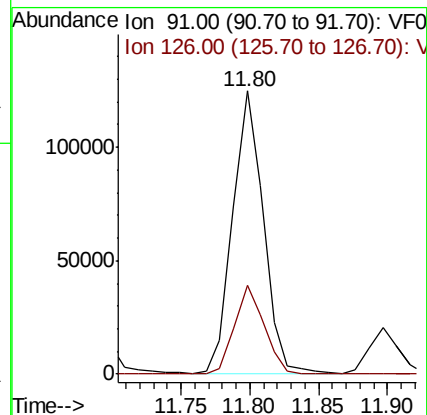
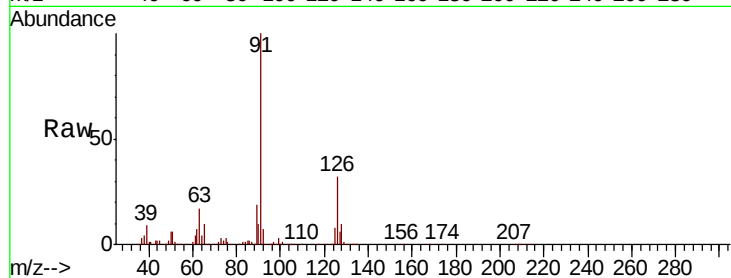
126 31.6 14.4 43.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 25.900 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060461.D

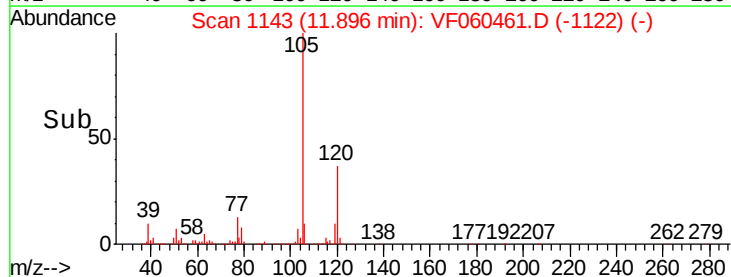
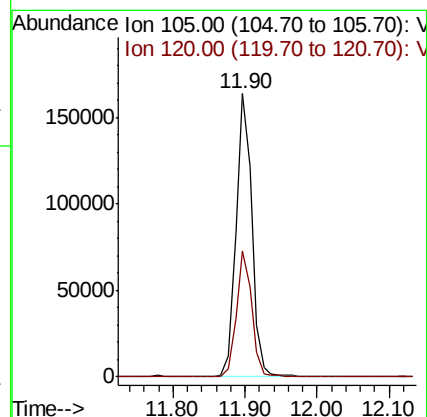
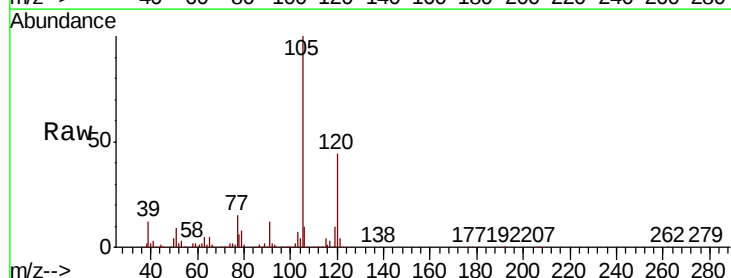
Acq: 5 Oct 2018 17:45

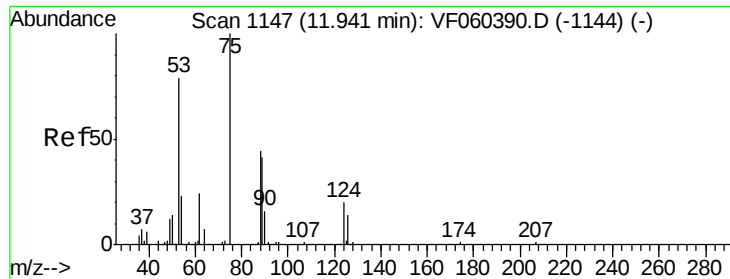
Tgt Ion: 105 Resp: 250498

Ion Ratio Lower Upper

105 100

120 44.4 22.3 66.9





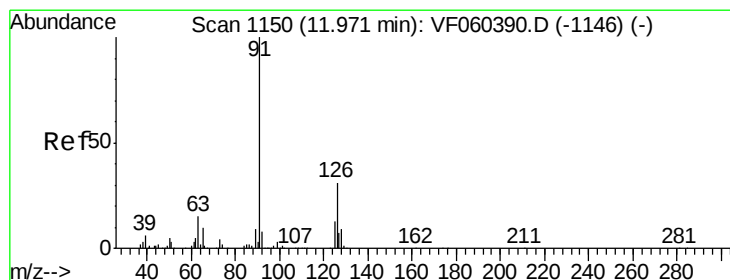
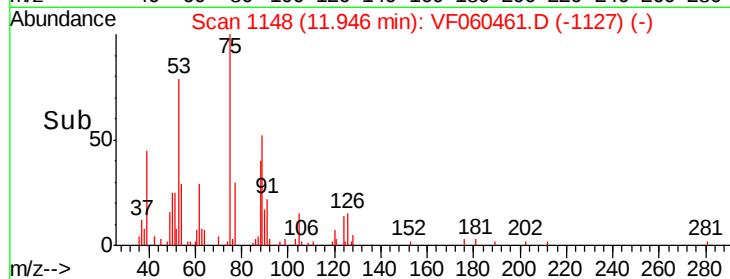
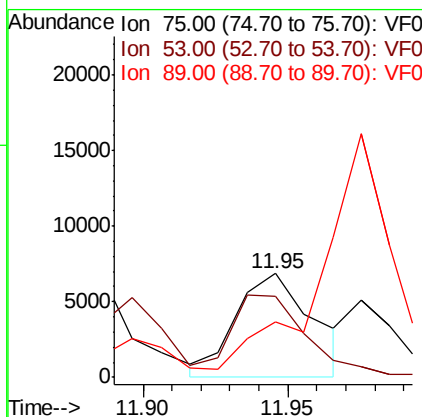
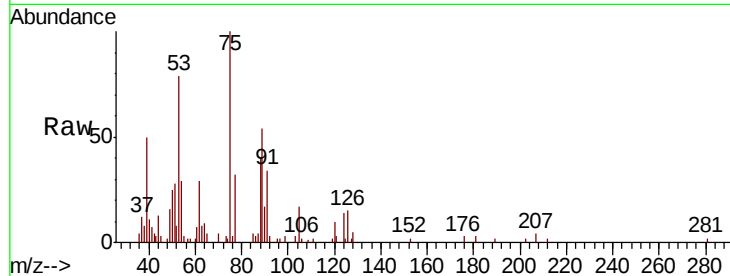
#81
trans-1,4-Dichloro-2-butene
Concen: 18.888 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.5	67.8	101.8
89	54.0	36.7	55.1

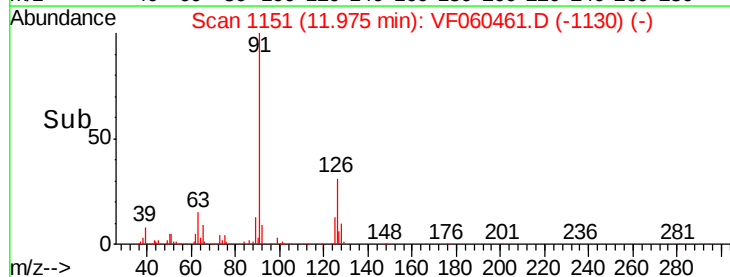
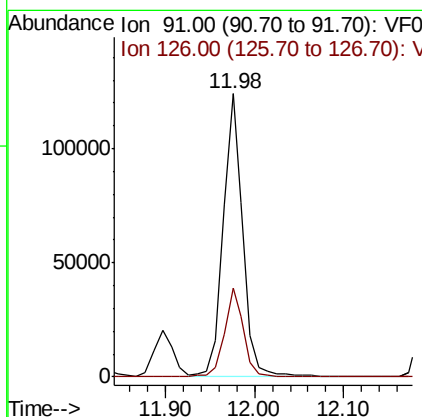
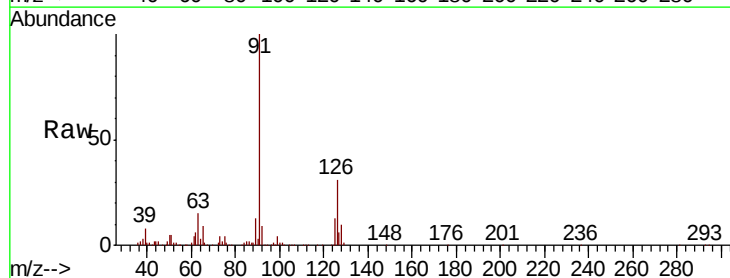
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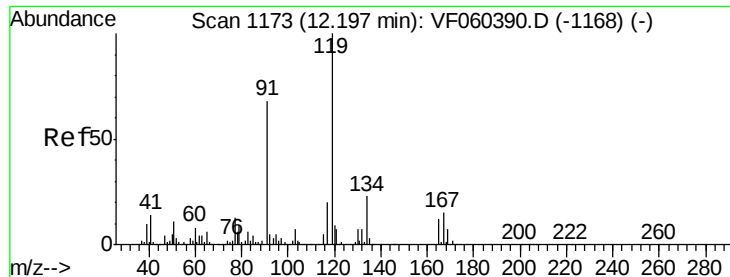
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#82
4-Chlorotoluene
Concen: 22.982 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





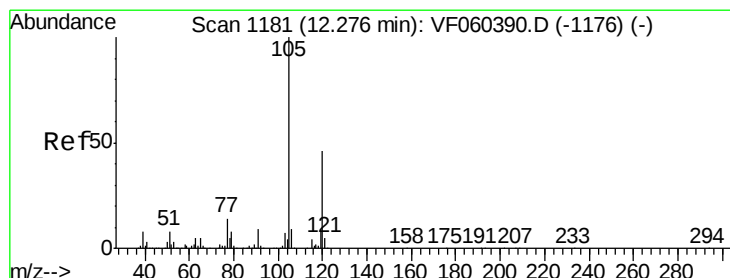
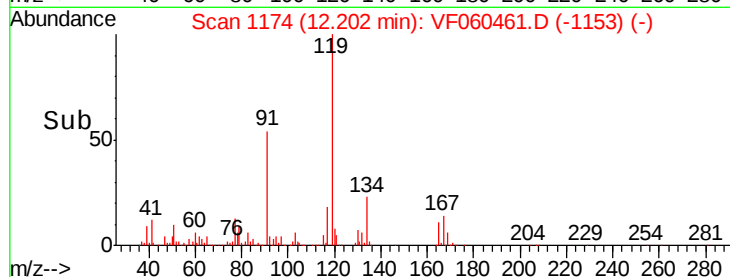
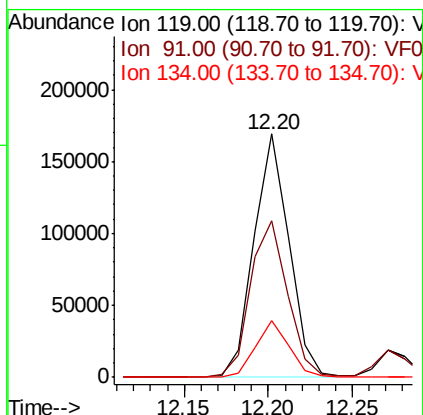
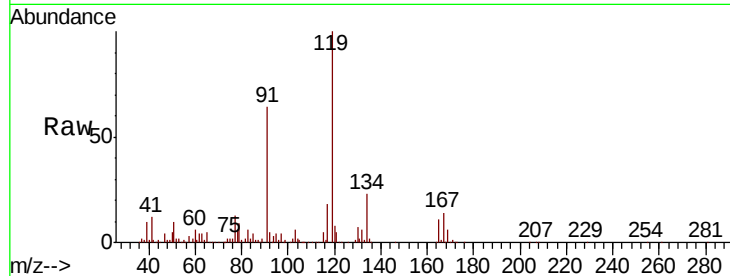
#83
tert-Butylbenzene
Concen: 25.772 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	34.0	102.0
134	23.3	11.7	35.0

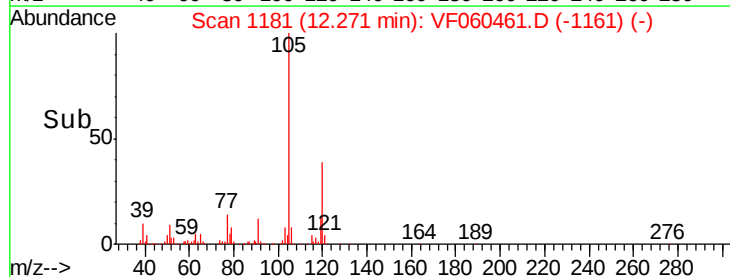
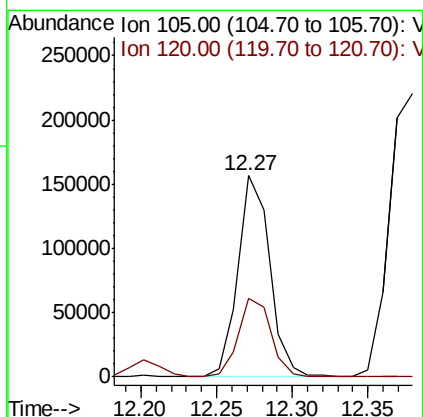
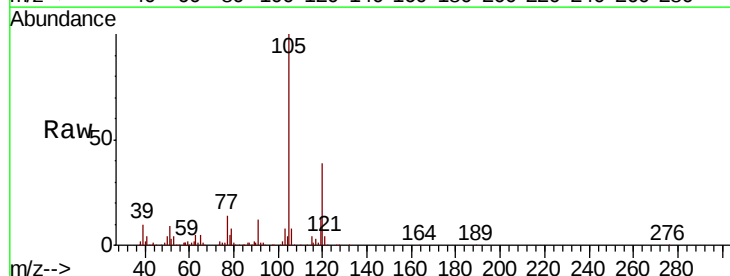
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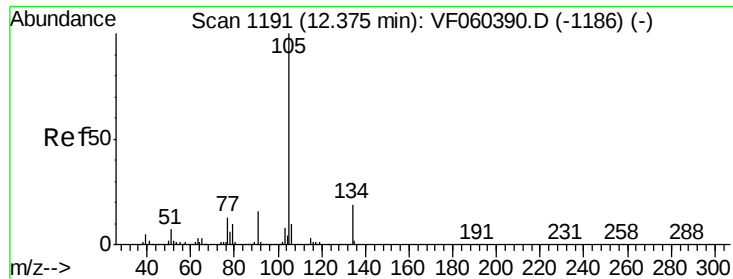
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 24.058 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.1	23.1	69.2





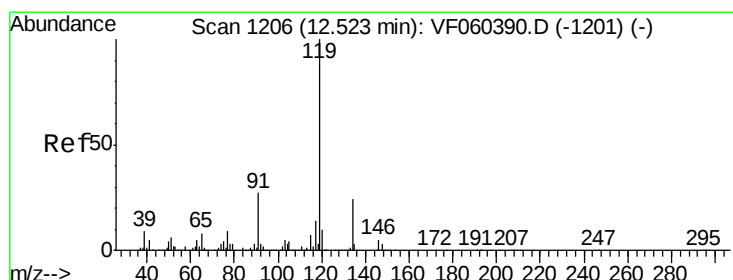
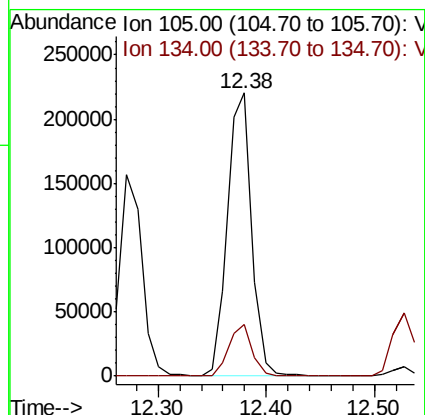
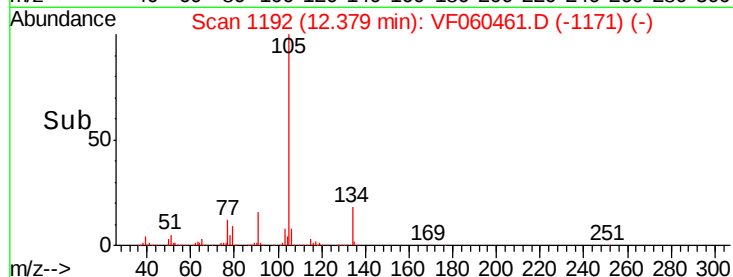
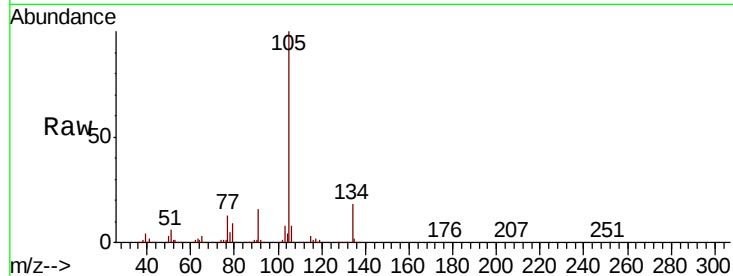
#85
 sec-Butylbenzene
 Concen: 26.193 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.4	28.3

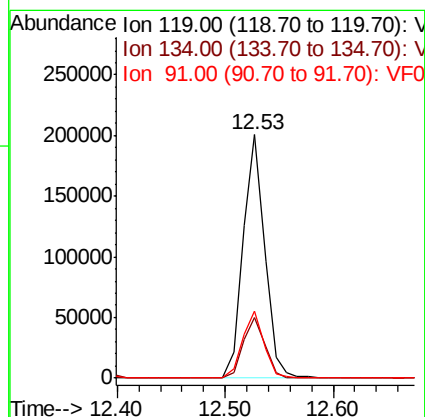
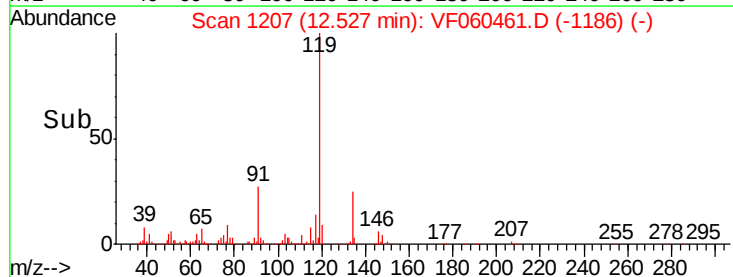
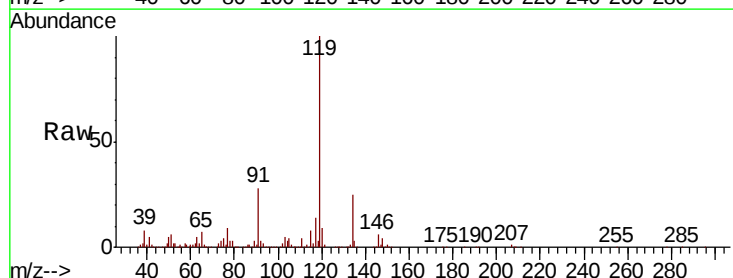
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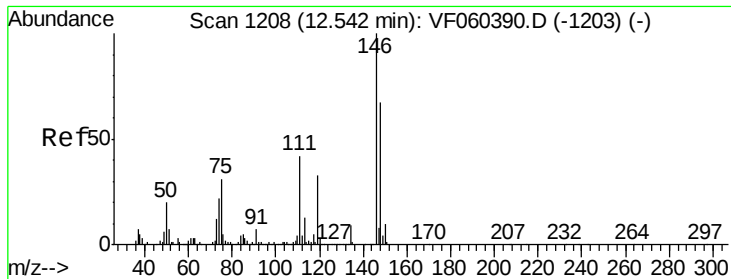
apatel
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#86
 p-Isopropyltoluene
 Concen: 25.822 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.3	36.8
91	27.6	13.5	40.4





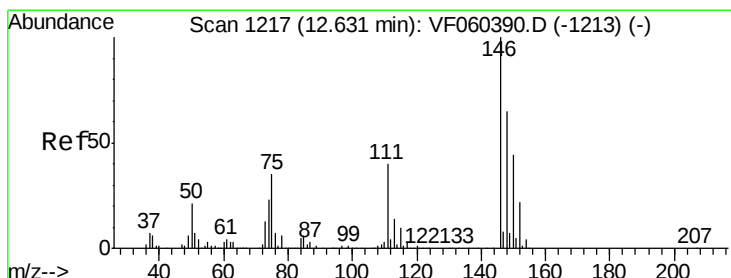
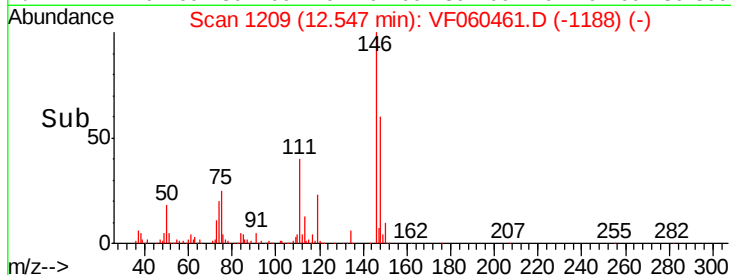
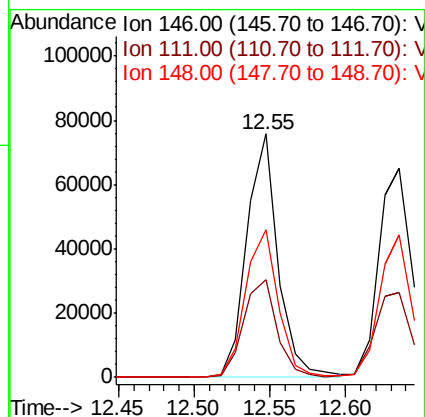
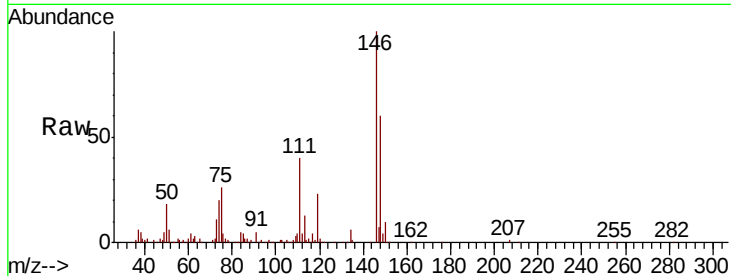
#87
 1,3-Dichlorobenzene
 Concen: 22.776 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.9	62.7
148	60.4	33.6	100.8

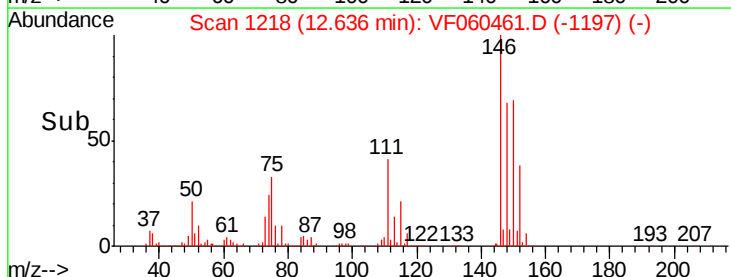
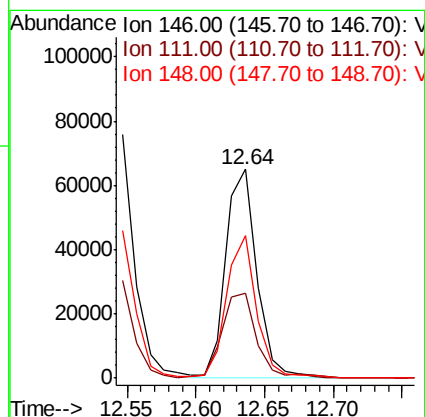
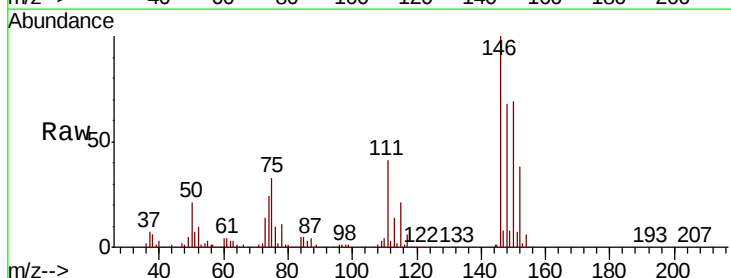
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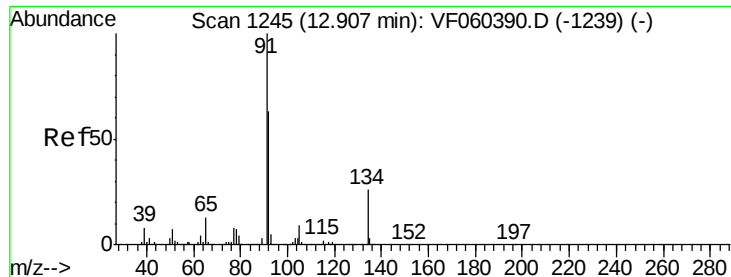
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#88
 1,4-Dichlorobenzene
 Concen: 21.590 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.6
148	68.5	32.6	97.8





#89

n-Butylbenzene

Concen: 26.613 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Instrument :

MSVOA_F

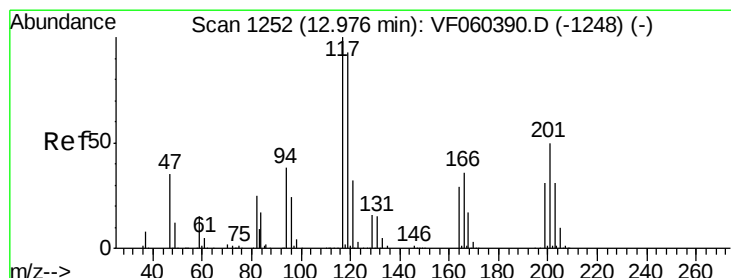
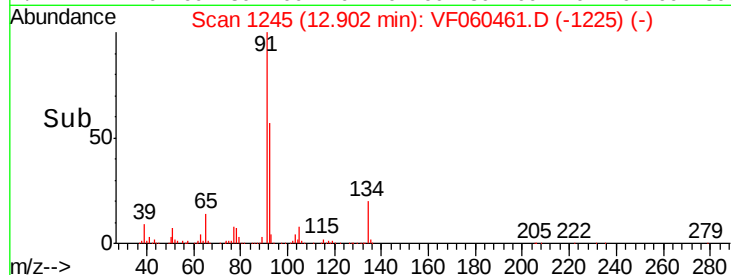
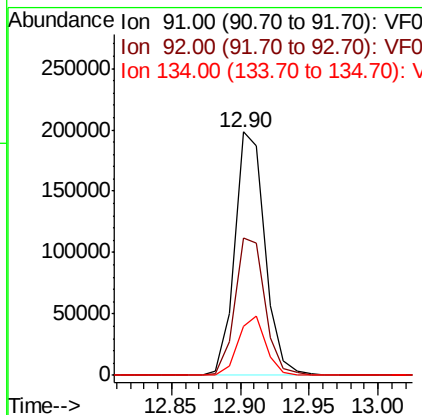
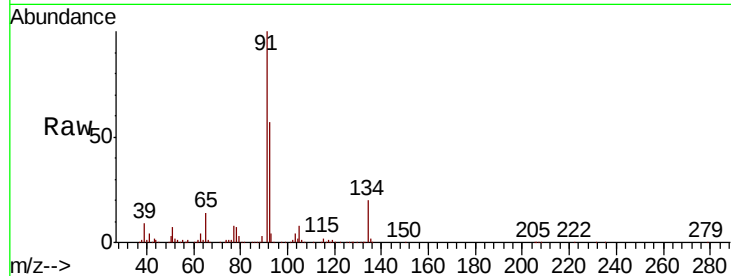
ClientSampleId :

VF1005SBS01

Tot Ion:	91	Resp:	302947
Ion	Ratio	Lower	Upper
91	100		
92	56.7	31.3	93.9
134	20.4	13.0	38.9

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#90

Hexachloroethane

Concen: 23.725 ug/l

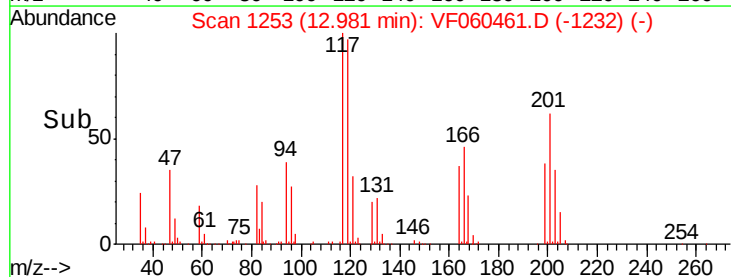
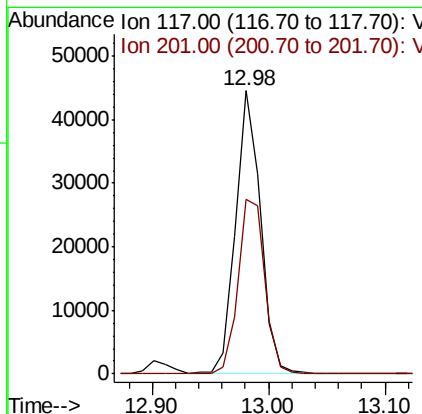
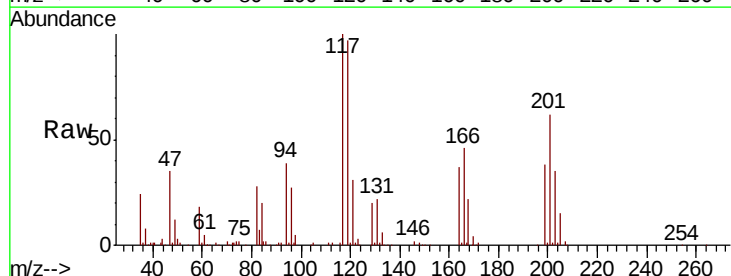
RT: 12.98 min Scan# 1253

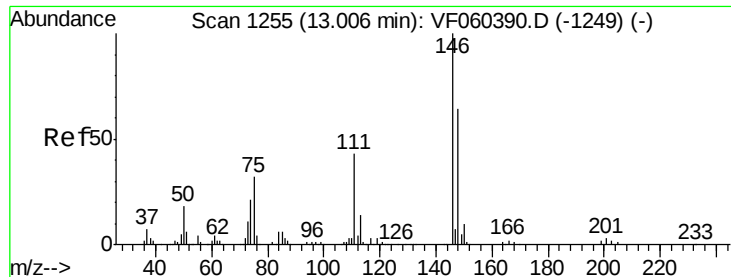
Delta R.T. 0.00 min

Lab File: VF060461.D

Acq: 5 Oct 2018 17:45

Tgt Ion:	117	Resp:	65965
Ion	Ratio	Lower	Upper
117	100		
201	61.6	25.5	76.5





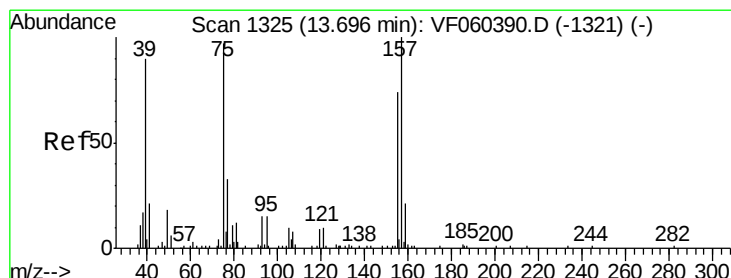
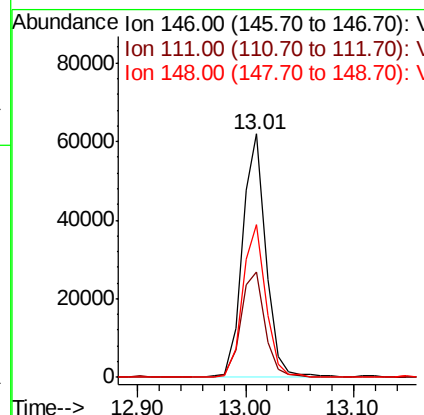
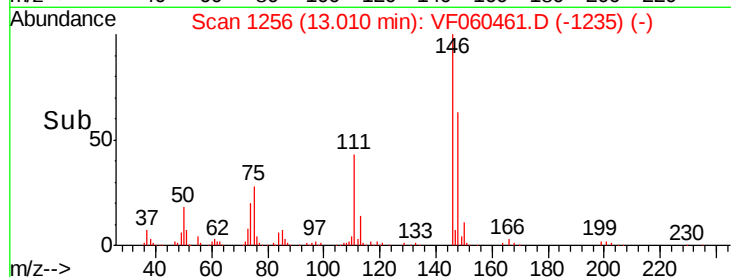
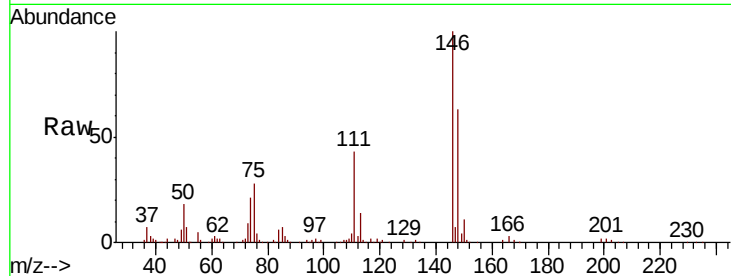
#91
 1,2-Dichlorobenzene
 Concen: 20.247 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	64.0
148	62.9	32.2	96.6

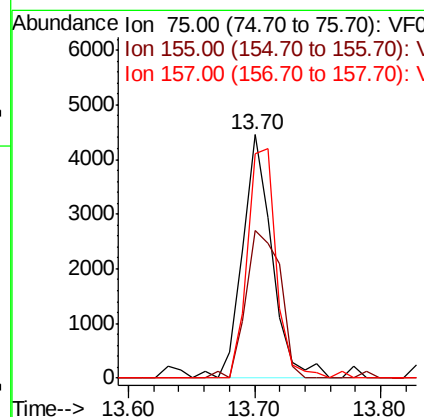
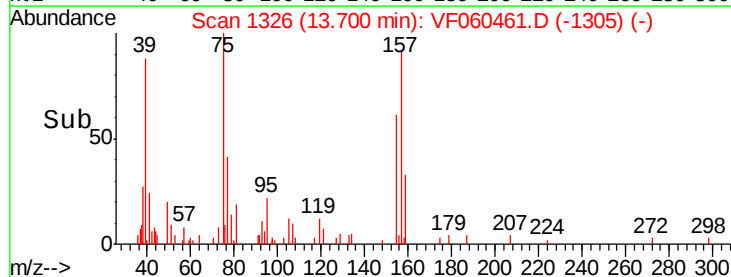
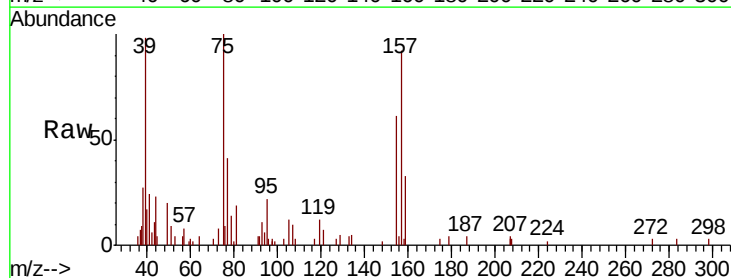
Manual Integrations
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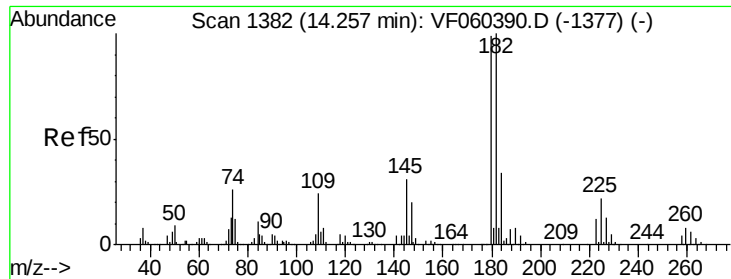
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.828 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.8	37.9	113.6
157	91.9	51.3	154.0





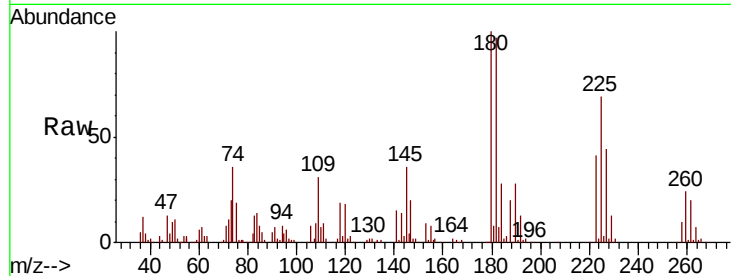
#93
 1,2,4-Trichlorobenzene
 Concen: 20.405 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69976		
182	96.7		50.3	150.9
145	36.4		15.5	46.5

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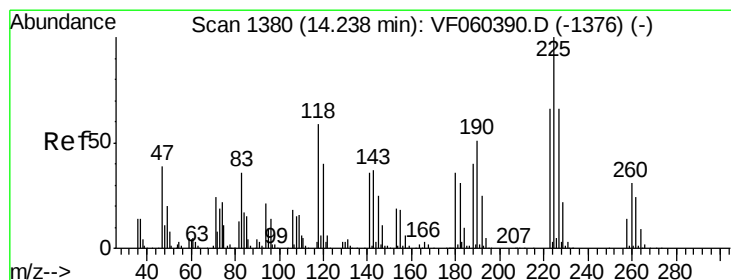
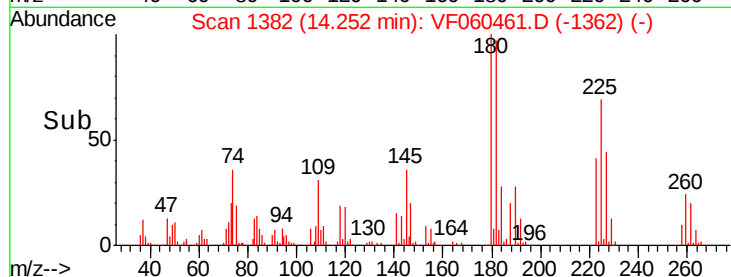
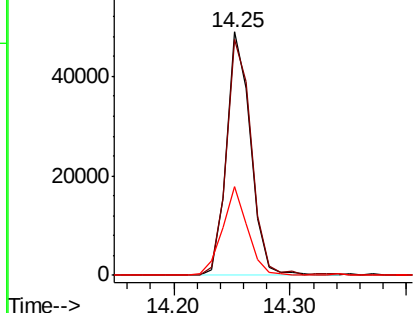


Abundance

Ion 180.00 (179.70 to 180.70): V

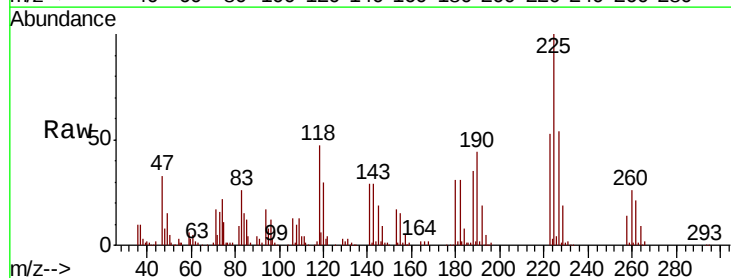
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 27.055 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF060461.D
 Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64753		
223	53.4		32.8	98.4
227	53.7		33.0	99.0

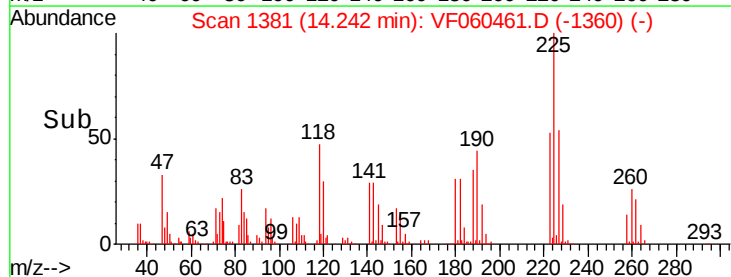
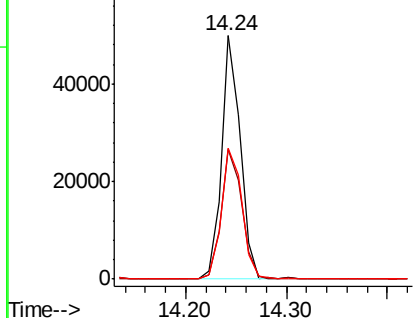


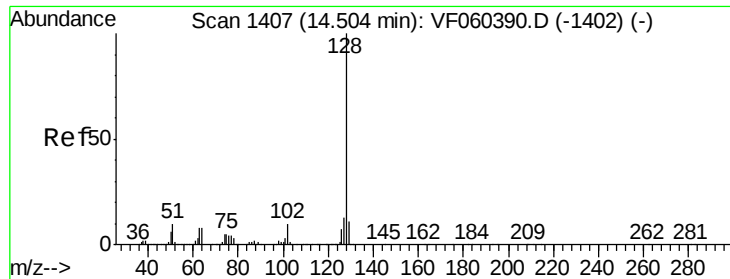
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





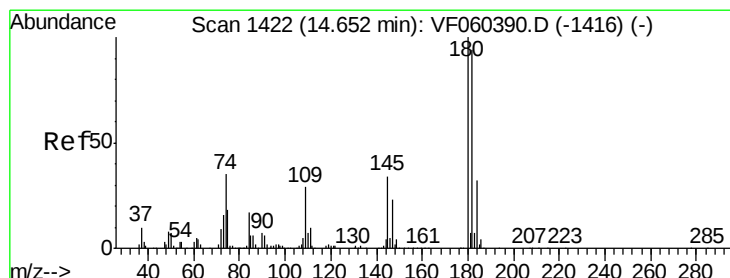
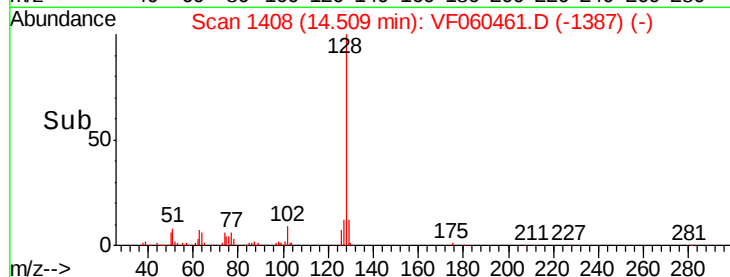
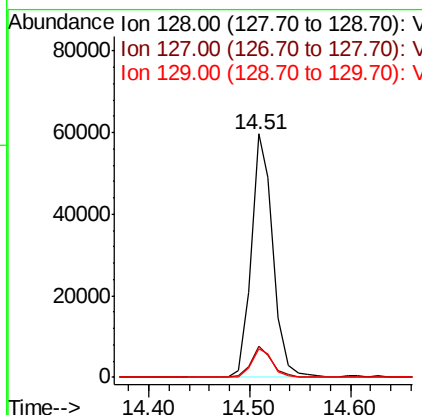
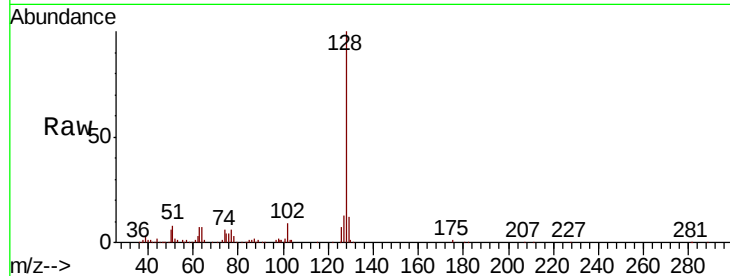
#95
Naphthalene
Concen: 14.669 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Instrument :
MSVOA_F
ClientSampleId :
VF1005SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	11.8	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.298 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.00 min
Lab File: VF060461.D
Acq: 5 Oct 2018 17:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.8	140.3
145	30.2	16.9	50.6

