

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060391.D
 Acq On : 1 Oct 2018 19:09
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:28 PM

Quant Time: Oct 02 00:33:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	233559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	411101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	355463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	204327	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	284890	86.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.90%	
35) Dibromofluoromethane	4.27	113	280449	75.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.12%	
50) Toluene-d8	7.68	98	681781	71.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.16%	
62) 4-Bromofluorobenzene	11.49	95	305830	73.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	406946	90.969	ug/l	100
3) Chloromethane	1.12	50	246037	75.712	ug/l	99
4) Vinyl Chloride	1.17	62	247824	74.473	ug/l	91
5) Bromomethane	1.35	94	195778	84.828	ug/l	99
6) Chloroethane	1.43	64	134052	84.075	ug/l	97
7) Trichlorofluoromethane	1.53	101	584506	90.460	ug/l	98
8) Diethyl Ether	1.69	74	76633	74.966	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	267875	80.169	ug/l	93
10) Methyl Iodide	1.97	142	431791m	80.929	ug/l	
11) Tert butyl alcohol	2.67	59	94669	451.555	ug/l #	88
12) 1,1-Dichloroethene	1.85	96	218269	80.591	ug/l	98
13) Acrolein	2.08	56	66236	551.971	ug/l	91
14) Allyl chloride	2.18	41	369826	79.006	ug/l	94
15) Acrylonitrile	3.06	53	152090	346.206	ug/l #	92
16) Acetone	2.33	43	311513	354.318	ug/l	98
17) Carbon Disulfide	1.89	76	657753	78.975	ug/l	99
18) Methyl Acetate	2.43	43	113231	75.141	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	559318	82.262	ug/l	96
20) Methylene Chloride	2.32	84	204055m	64.360	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	213364	75.881	ug/l	94
22) Diisopropyl ether	2.91	45	631815	72.143	ug/l	95
23) Vinyl Acetate	3.31	43	1292986	374.057	ug/l #	95
24) 1,1-Dichloroethane	2.98	63	408791	70.769	ug/l	99
25) 2-Butanone	4.48	43	348713	304.858	ug/l	99
26) 2,2-Dichloropropane	3.74	77	237631	72.931	ug/l	95
27) cis-1,2-Dichloroethene	3.61	96	231214	64.592	ug/l	95
28) Bromochloromethane	3.86	49	162064	72.079	ug/l	98
29) Tetrahydrofuran	4.22	42	149670	348.116	ug/l	99
30) Chloroform	4.01	83	532454	76.835	ug/l	94
31) Cyclohexane	3.83	56	301758	63.290	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	432230	77.842	ug/l	98
36) 1,1-Dichloropropene	4.43	75	357130	69.077	ug/l	97
37) Ethyl Acetate	4.26	43	147925	69.245	ug/l	92
38) Carbon Tetrachloride	4.14	117	368278m	63.280	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	351566	64.714	ug/l	91
40) Benzene	4.78	78	742099	65.262	ug/l	99
41) Methacrylonitrile	4.89	41	78204	68.243	ug/l #	92
42) 1,2-Dichloroethane	5.09	62	354316	80.484	ug/l	99
43) Isopropyl Acetate	7.09	43	180747	70.209	ug/l #	100
44) Trichloroethene	5.65	130	224781	65.987	ug/l	99
45) 1,2-Dichloropropane	6.38	63	186928	63.100	ug/l	94
46) Dibromomethane	6.23	93	151232	69.884	ug/l	90
47) Bromodichloromethane	6.52	83	382981	73.288	ug/l	95
48) Methyl methacrylate	6.85	41	121681	66.454	ug/l	96
49) 1,4-Dioxane	6.84	88	22964	1417.125	ug/l #	77
51) 4-Methyl-2-Pentanone	8.38	43	615115	318.287	ug/l	95
52) Toluene	7.76	92	456322	62.886	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	290751	69.794	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	354787	67.873	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	151668	68.888	ug/l	93
56) Ethyl methacrylate	8.73	69	187356	70.383	ug/l	96
57) 1,3-Dichloropropane	8.98	76	262822	71.786	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	82429	341.638	ug/l	100
59) 2-Hexanone	9.60	43	429186	314.075	ug/l	94
60) Dibromochloromethane	8.84	129	242282	73.019	ug/l	98
61) 1,2-Dibromoethane	9.11	107	176984	71.388	ug/l	97
64) Tetrachloroethene	8.28	164	204539	64.457	ug/l	98
65) Chlorobenzene	9.92	112	532746	66.875	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.04	131	232626	69.345	ug/l	98
67) Ethyl Benzene	10.01	91	969509	65.525	ug/l	100
68) m/p-Xylenes	10.25	106	671985	131.575	ug/l	97
69) o-Xylene	10.81	106	386688	67.653	ug/l	99
70) Styrene	10.88	104	524620	65.258	ug/l	97
71) Bromoform	10.87	173	132810	72.595	ug/l #	93
73) Isopropylbenzene	11.21	105	1126982	62.476	ug/l	99
74) N-amyl acetate	11.44	43	274131	70.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	219829	68.653	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	158795	68.546	ug/l	98
77) Bromobenzene	11.58	156	242023	62.103	ug/l	90
78) n-propylbenzene	11.67	91	1281228	59.811	ug/l	98
79) 2-Chlorotoluene	11.80	91	768801	62.234	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	936391	64.182	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.94	75	72535m	60.006	ug/l	
82) 4-Chlorotoluene	11.98	91	786754	63.665	ug/l	98
83) tert-Butylbenzene	12.20	119	918740	61.941	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	934819	62.755	ug/l	99
85) sec-Butylbenzene	12.37	105	1270143	62.187	ug/l	98
86) p-Isopropyltoluene	12.53	119	1051312	64.676	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	461950	63.132	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	470018	65.259	ug/l	96
89) n-Butylbenzene	12.90	91	1061981	61.343	ug/l	98
90) Hexachloroethane	12.98	117	276352	66.198	ug/l	75
91) 1,2-Dichlorobenzene	13.00	146	448420	64.020	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	46511	76.715	ug/l	87

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ALS Vial : 35 Sample Multiplier: 1

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ClientSampleId :
VSTDICC075

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QLast Update : Tue Oct 02 00:00:09 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	346700	67.802	ug/l	95
94) Hexachlorobutadiene	14.24	225	240977	69.782	ug/l	98
95) Naphthalene	14.51	128	674817	74.725	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	343805	72.916	ug/l	98

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

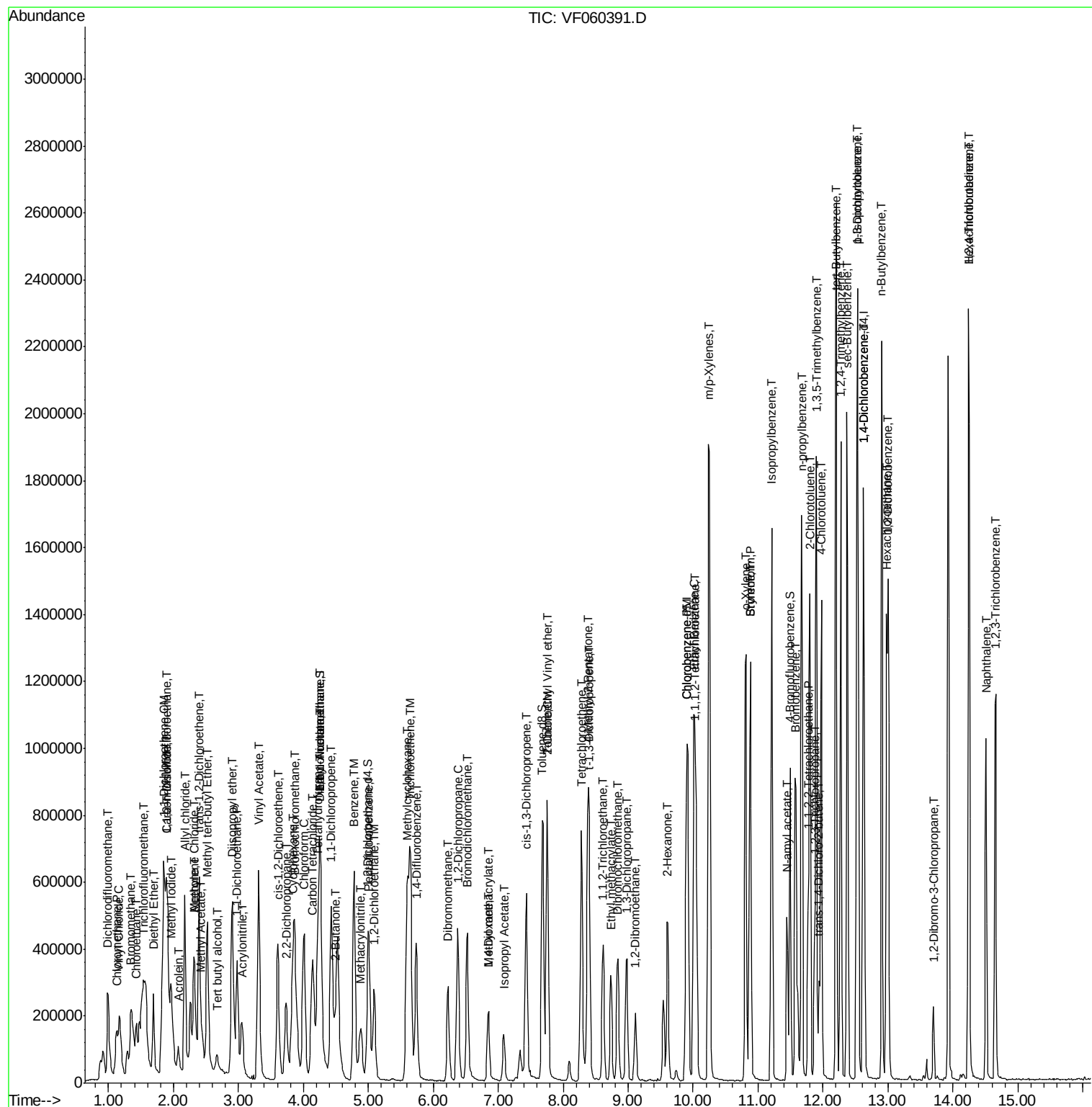
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100118\
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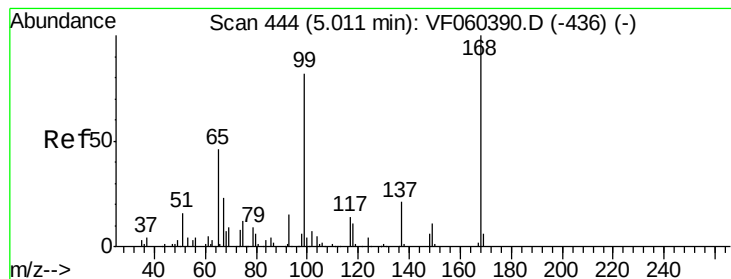
Instrument :
 MSVOA_F
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 233559

Ion Ratio Lower Upper

168 100

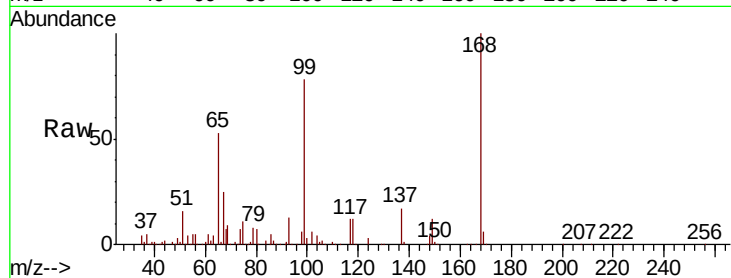
99 77.5 65.3 97.9

Manual Integrations

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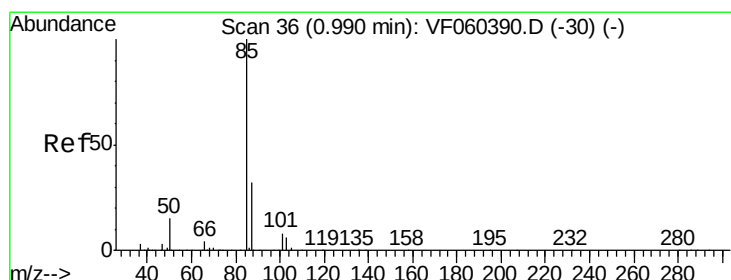
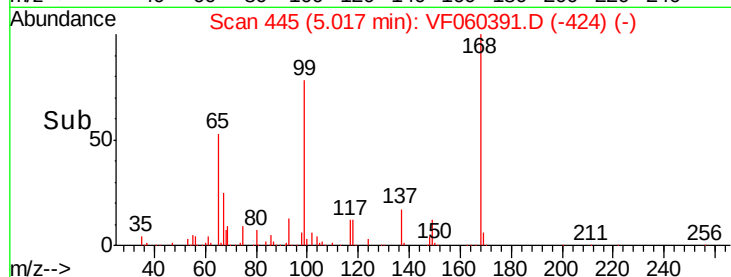
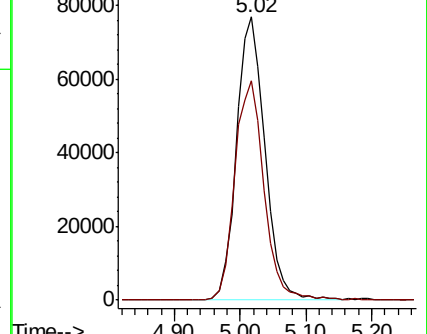
apatel

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 90.969 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060391.D

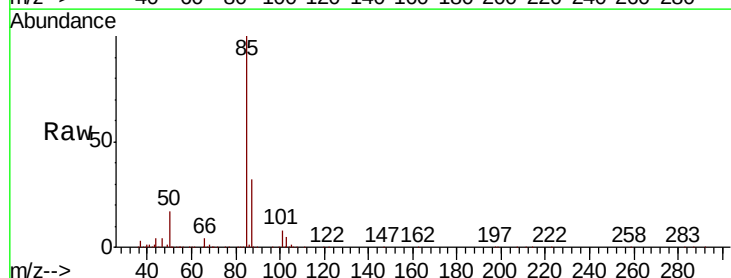
Acq: 1 Oct 2018 19:09

Tgt Ion: 85 Resp: 406946

Ion Ratio Lower Upper

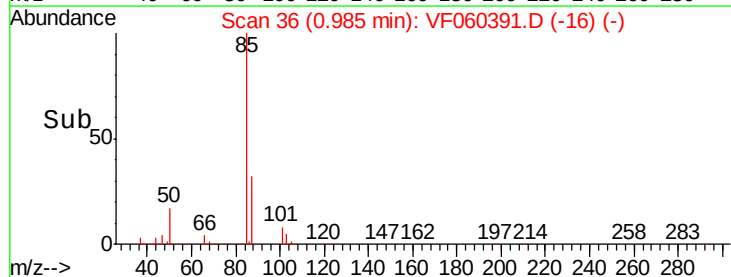
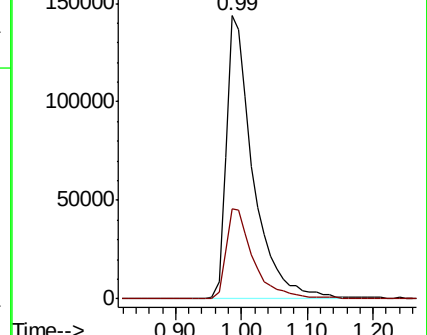
85 100

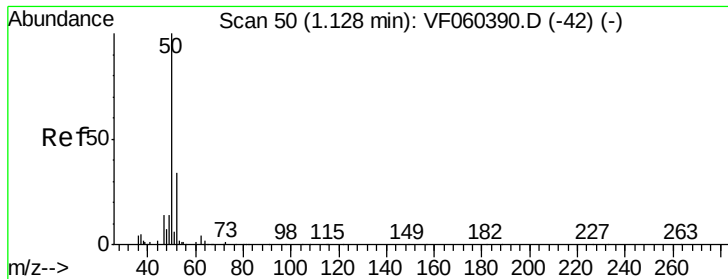
87 31.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 75.712 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 246037

Ion Ratio Lower Upper

50 100

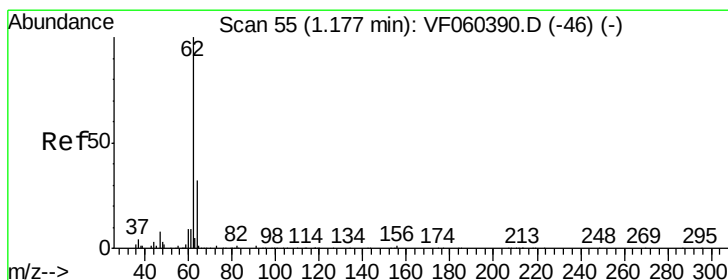
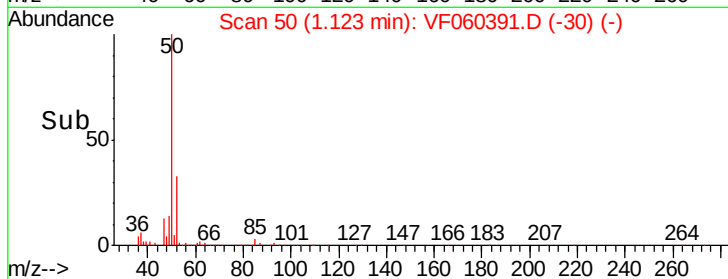
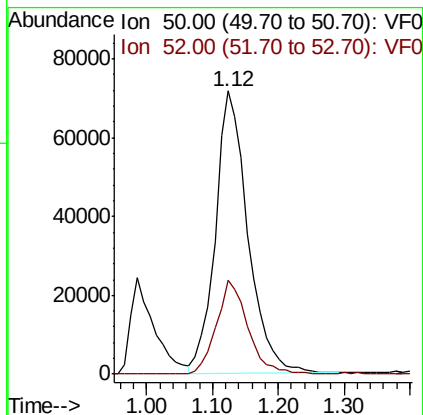
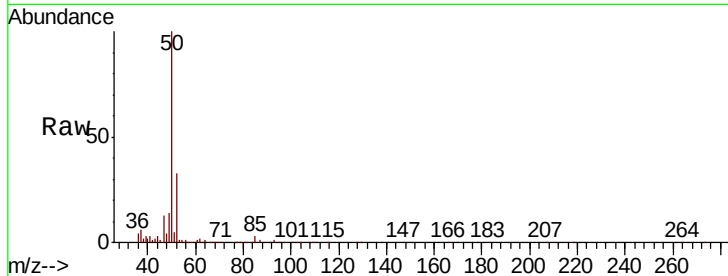
52 33.2 26.9 40.3

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#4

Vinyl Chloride

Concen: 74.473 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060391.D

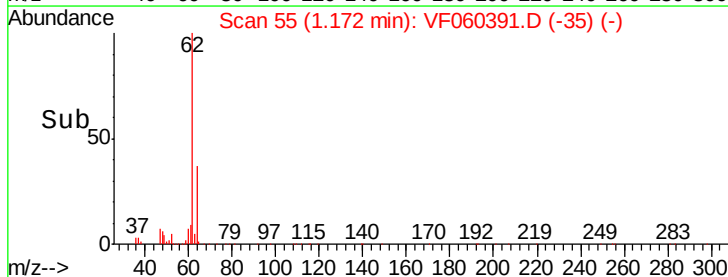
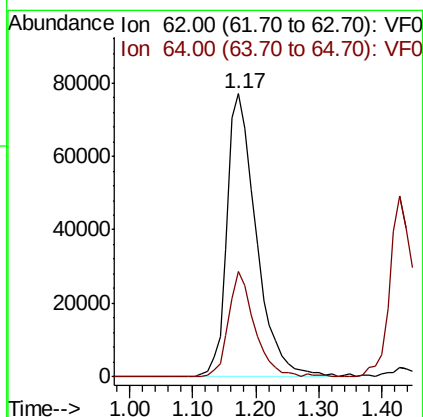
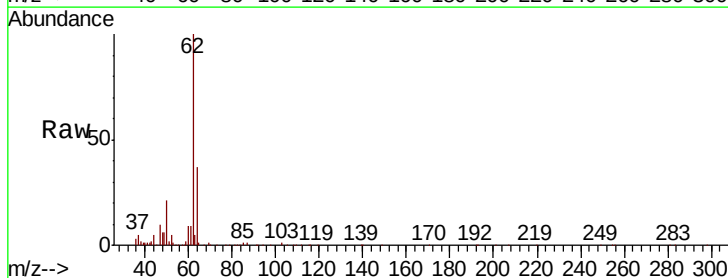
Acq: 1 Oct 2018 19:09

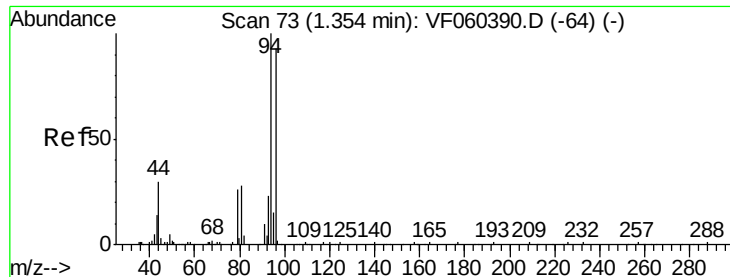
Tgt Ion: 62 Resp: 247824

Ion Ratio Lower Upper

62 100

64 37.3 25.8 38.6





#5

Bromomethane

Concen: 84.828 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

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Tot Ion: 94 Resp: 195778

Ion Ratio Lower Upper

94 100

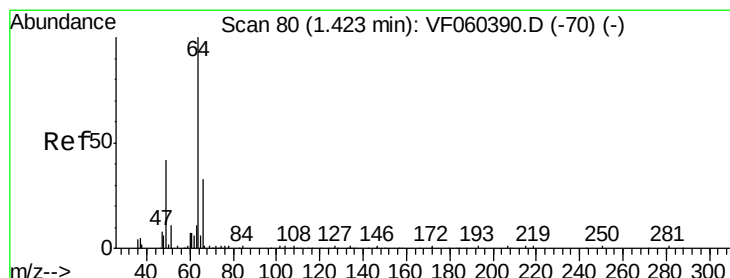
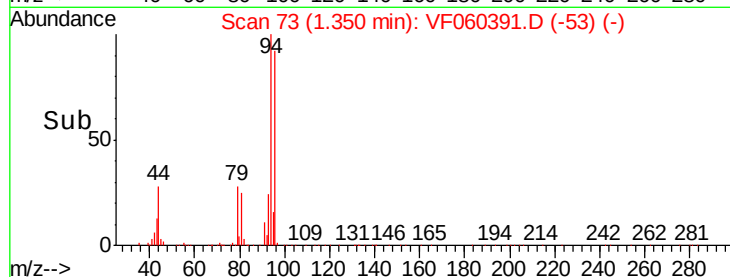
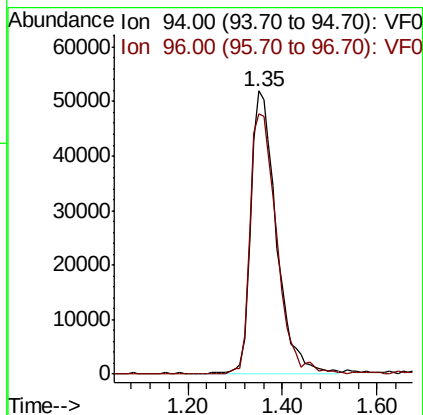
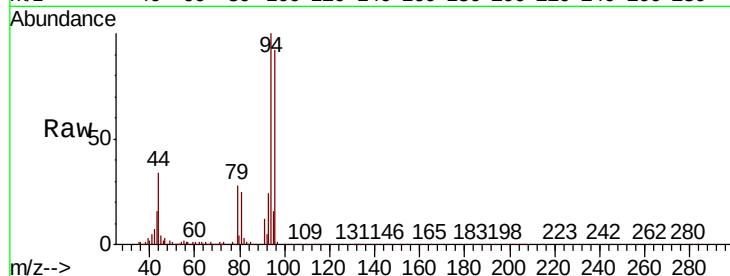
96 91.8 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 84.075 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060391.D

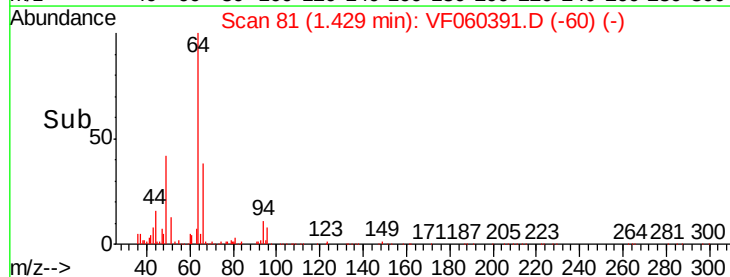
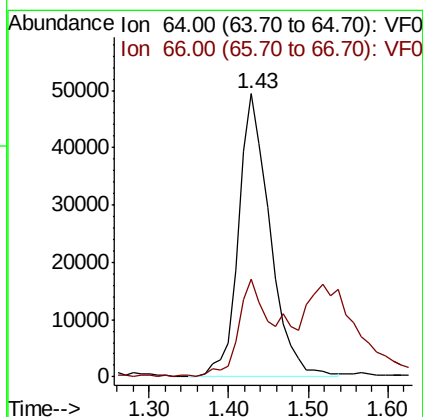
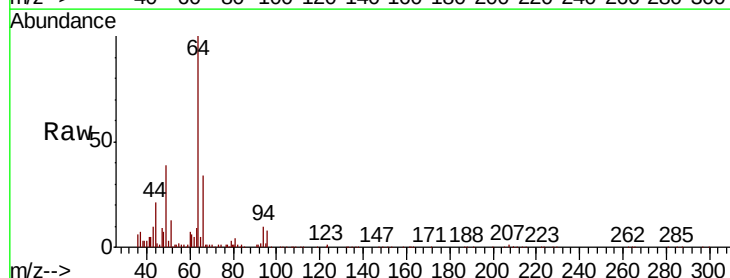
Acq: 1 Oct 2018 19:09

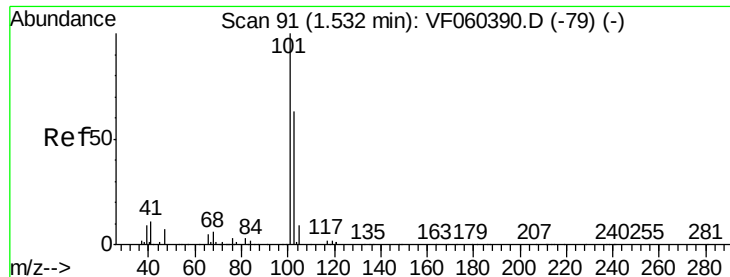
Tgt Ion: 64 Resp: 134052

Ion Ratio Lower Upper

64 100

66 34.4 26.3 39.5





#7

Trichlorofluoromethane

Concen: 90.460 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:101 Resp: 584506

Ion Ratio Lower Upper

101 100

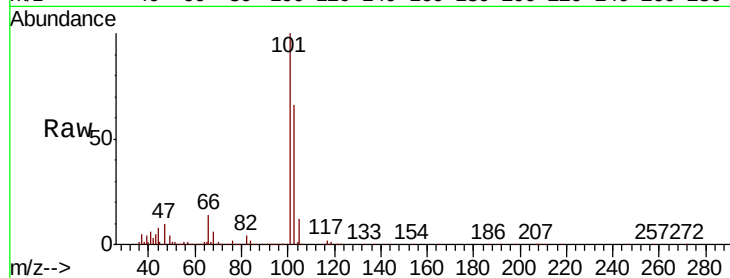
103 65.6 51.0 76.4

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

40000

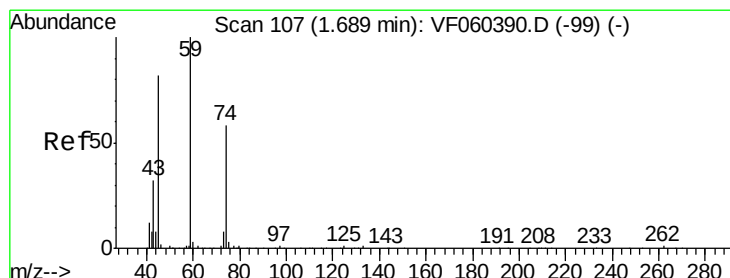
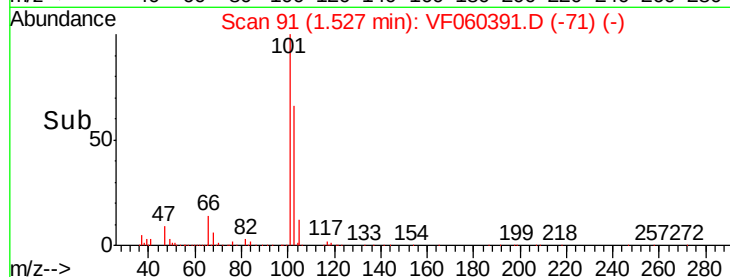
20000

0

1.40

1.60

Time-->



#8

Diethyl Ether

Concen: 74.966 ug/l

RT: 1.69 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF060391.D

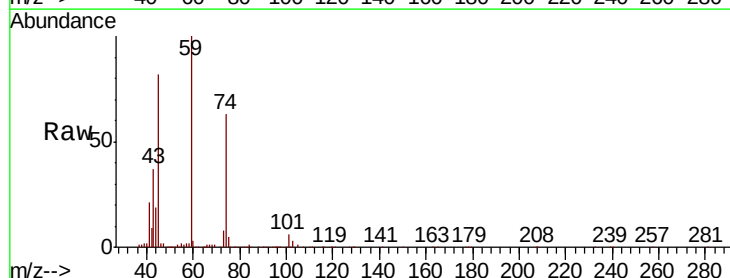
Acq: 1 Oct 2018 19:09

Tgt Ion: 74 Resp: 76633

Ion Ratio Lower Upper

74 100

45 129.6 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

60000

50000

40000

30000

20000

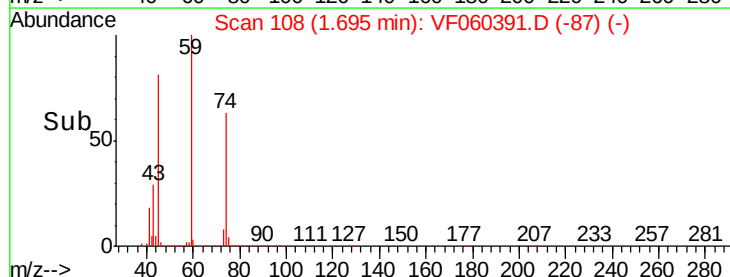
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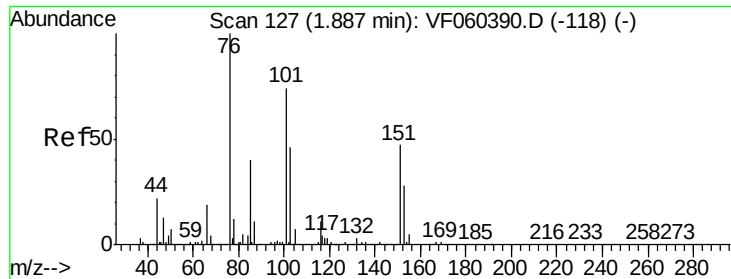
0

1.60

1.70

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.169 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

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MSVOA_F

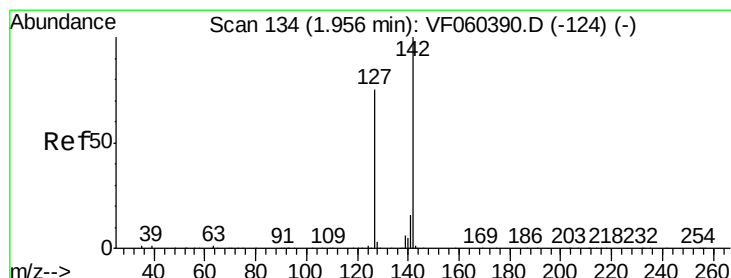
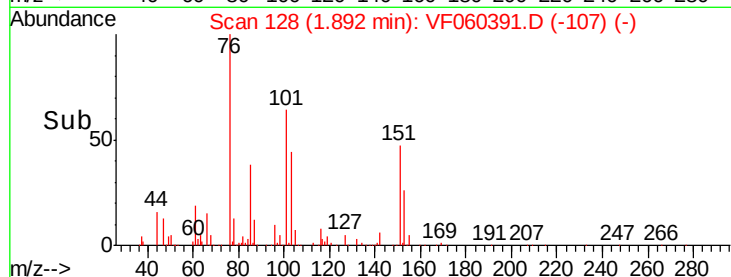
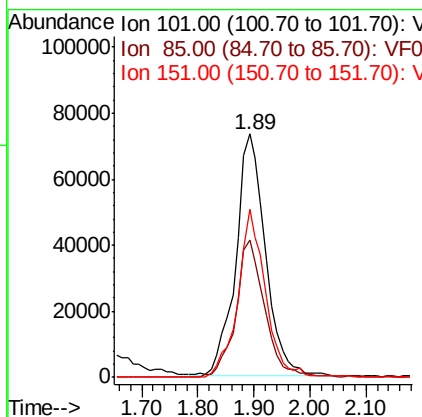
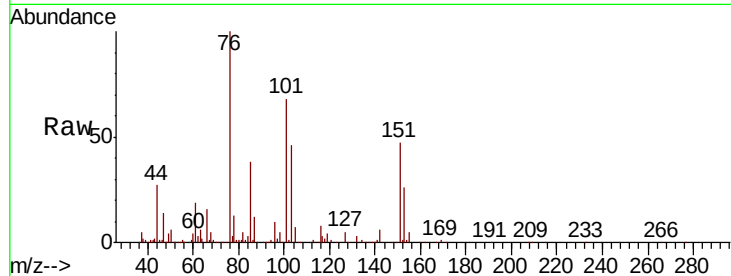
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	267875
Ion Ratio	Lower	Upper	
101	100		
85	56.2	42.5	63.7
151	69.1	49.8	74.8

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#10

Methyl Iodide

Concen: 80.929 ug/l m

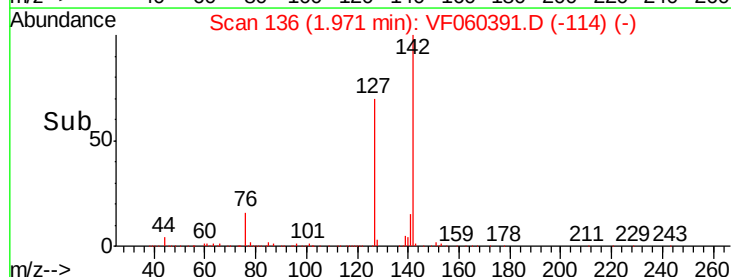
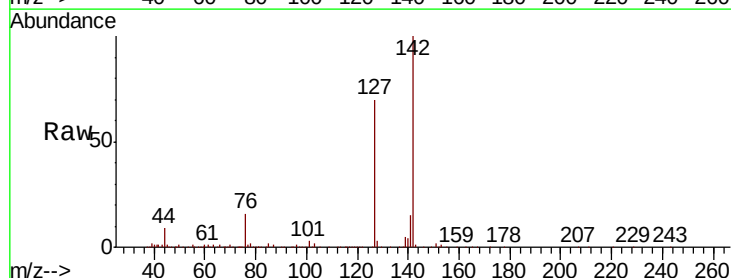
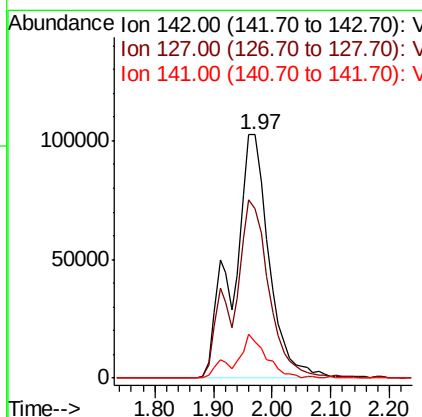
RT: 1.97 min Scan# 136

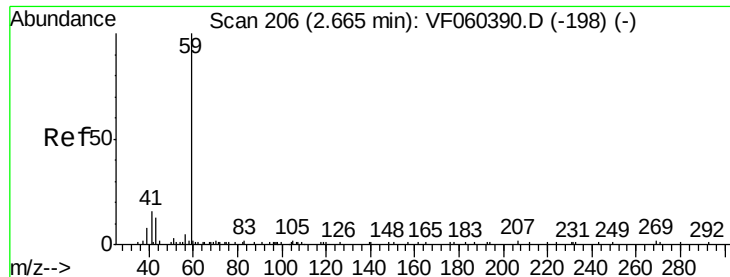
Delta R.T. 0.02 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	142	Resp:	431791
Ion Ratio	Lower	Upper	
142	100		
127	69.7	60.2	90.2
141	15.0	13.1	19.7





#11

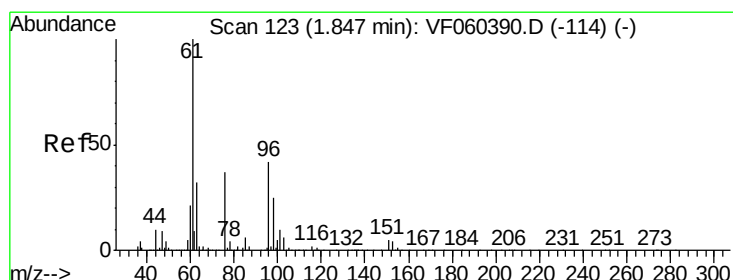
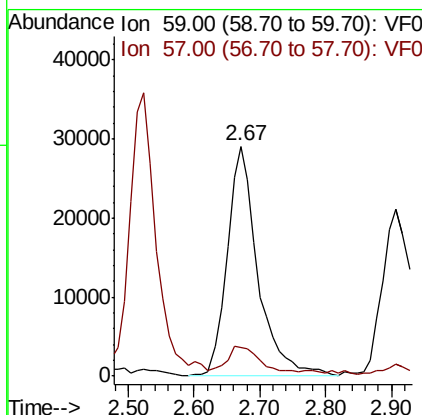
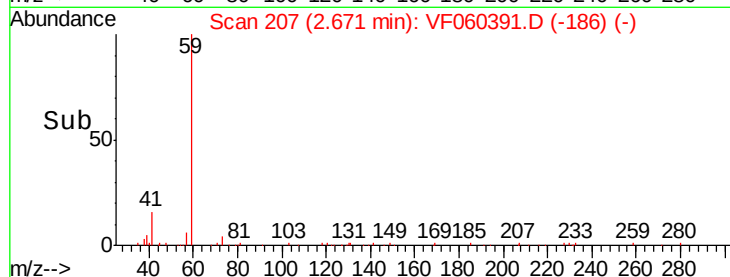
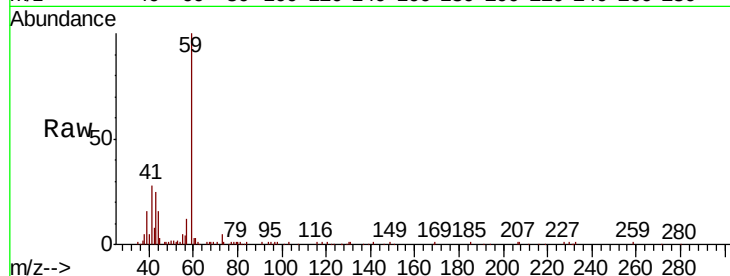
Tert butyl alcohol
Concen: 451.555 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	6.5	9.7#

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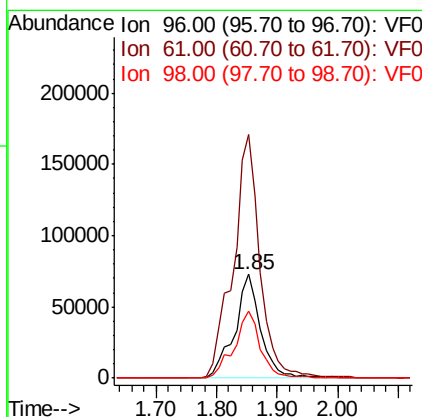
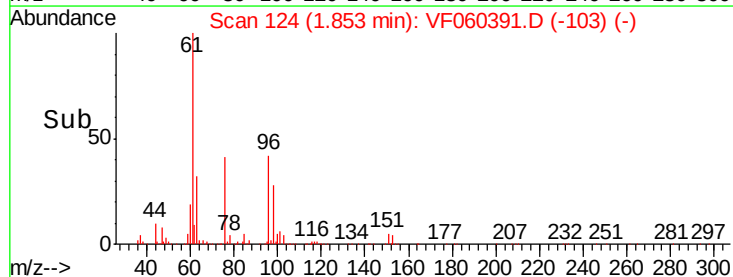
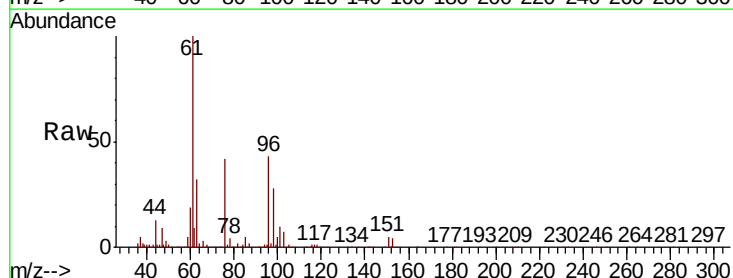
apatel
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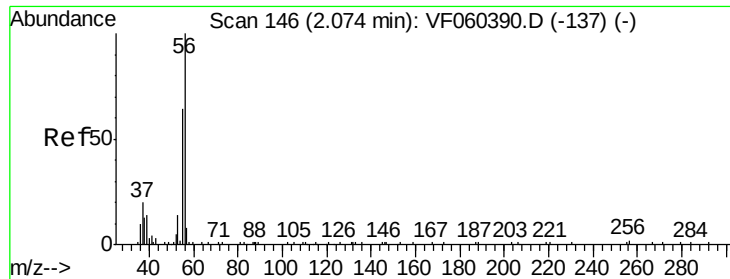


#12

1,1-Dichloroethene
Concen: 80.591 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.4	189.4	284.0
98	64.7	47.8	71.6





#13

Acrolein

Concen: 551.971 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 66236

Ion Ratio Lower Upper

56 100

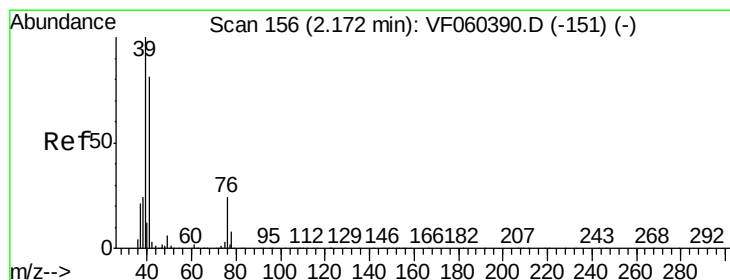
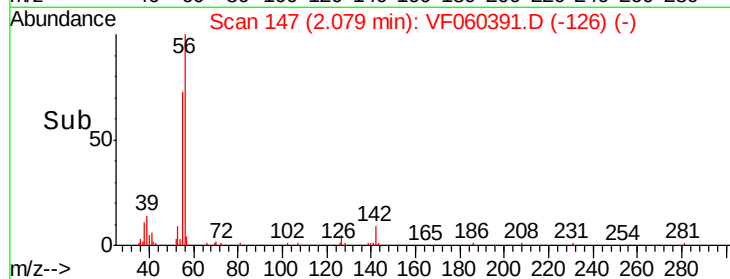
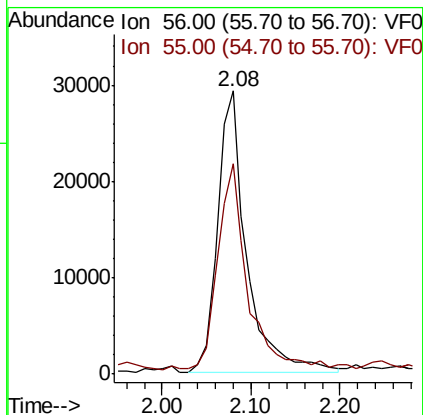
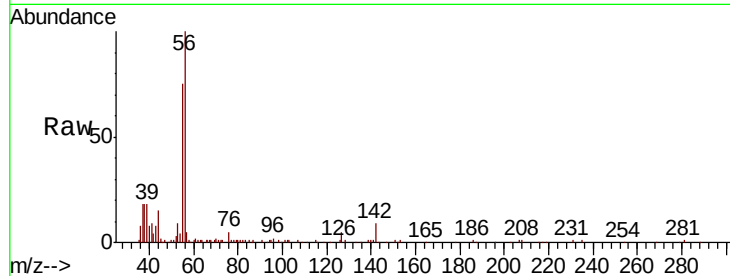
55 74.6 53.9 80.9

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#14

Allyl chloride

Concen: 79.006 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

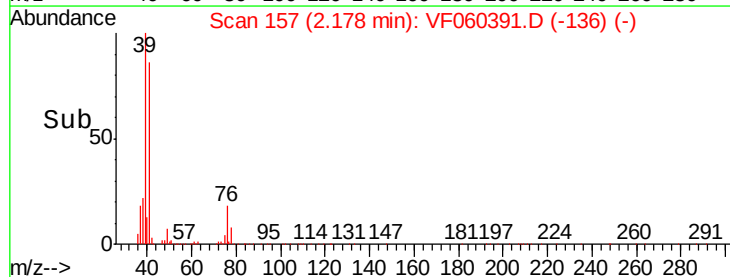
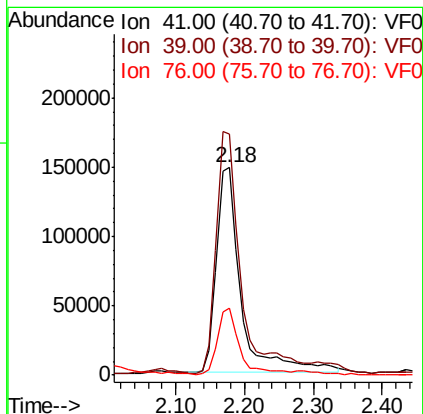
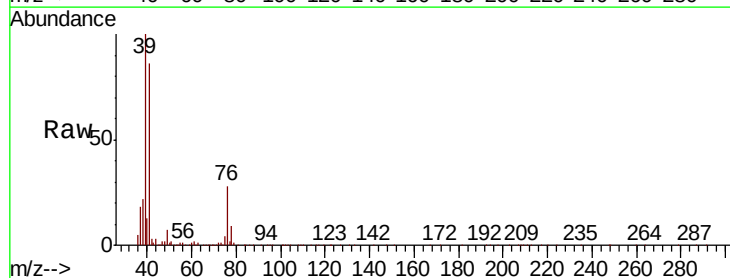
Tgt Ion: 41 Resp: 369826

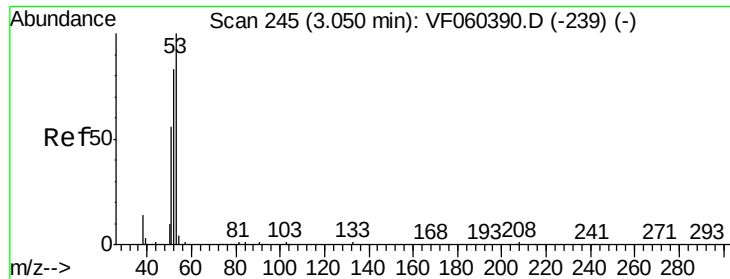
Ion Ratio Lower Upper

41 100

39 116.1 98.3 147.5

76 32.4 23.9 35.9





#15

Acrylonitrile

Concen: 346.206 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

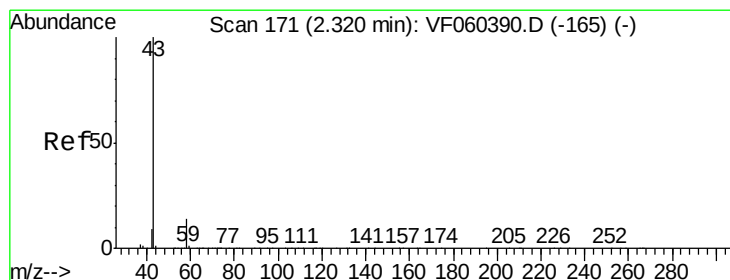
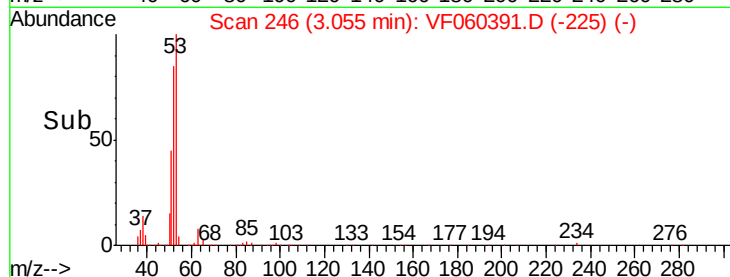
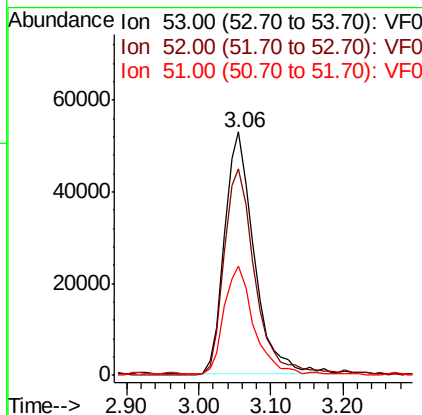
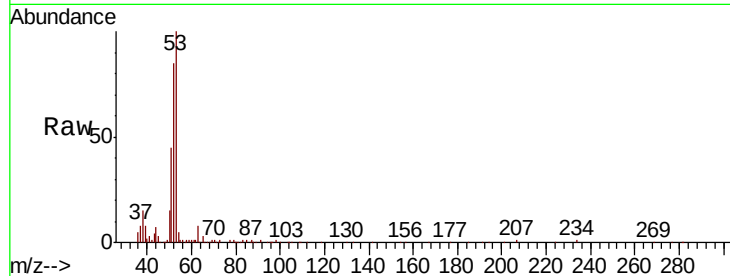
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	152090
Ion Ratio		Lower	Upper
53	100		
52	84.8	66.0	99.0
51	45.0	45.6	68.4#

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#16

Acetone

Concen: 354.318 ug/l

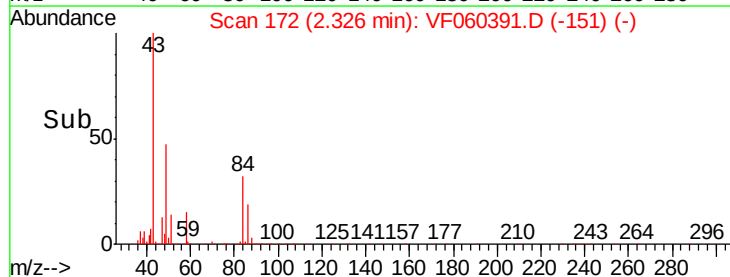
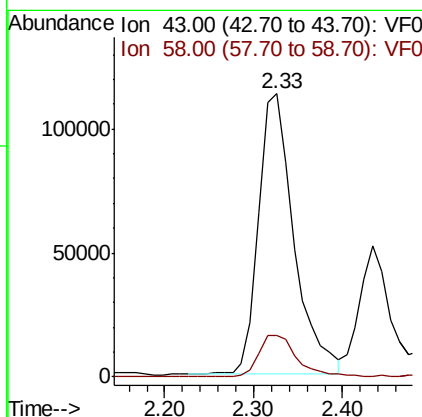
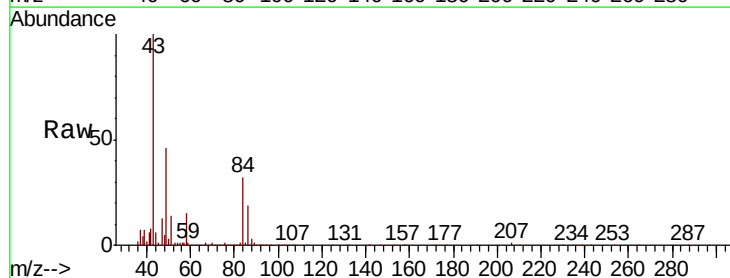
RT: 2.33 min Scan# 172

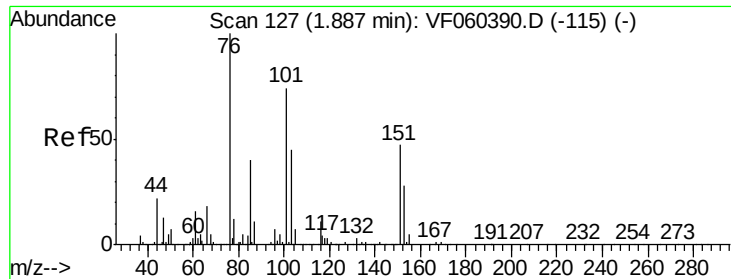
Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	43	Resp:	311513
Ion Ratio		Lower	Upper
43	100		
58	14.7	11.2	16.8





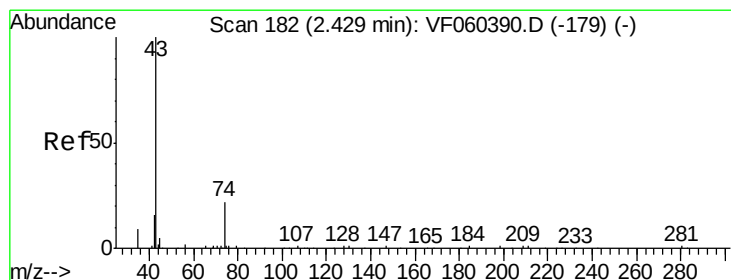
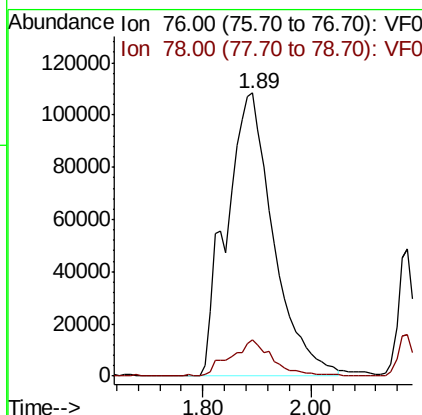
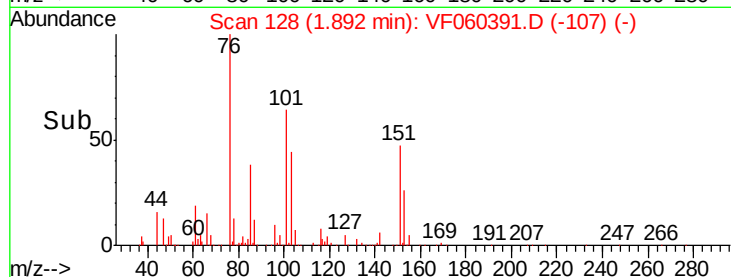
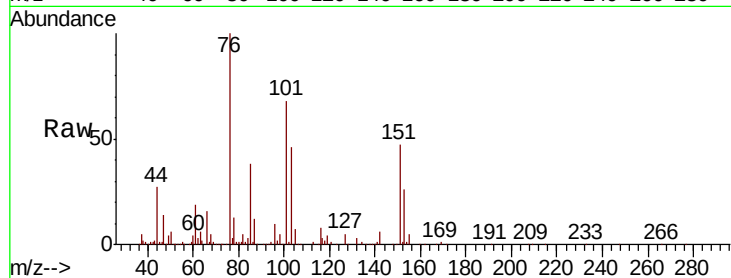
#17
Carbon Disulfide
Concen: 78.975 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 657753
Ion Ratio Lower Upper
76 100
78 13.1 10.1 15.1

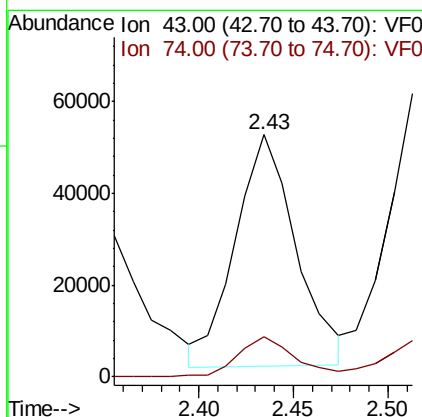
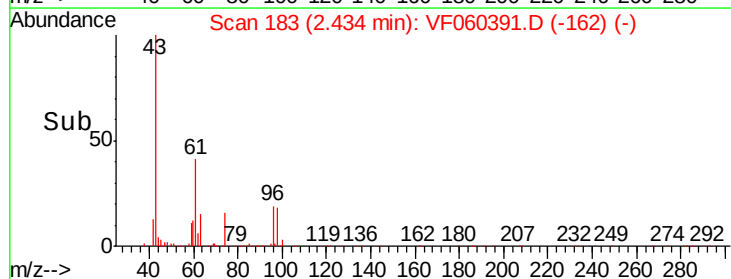
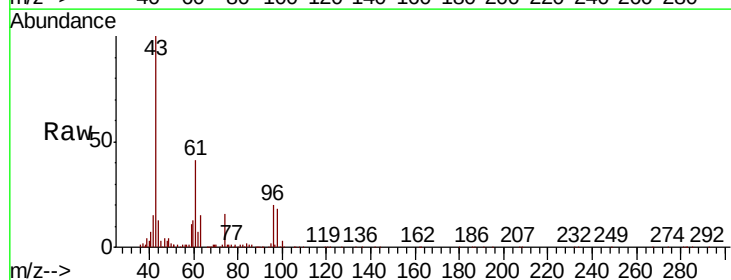
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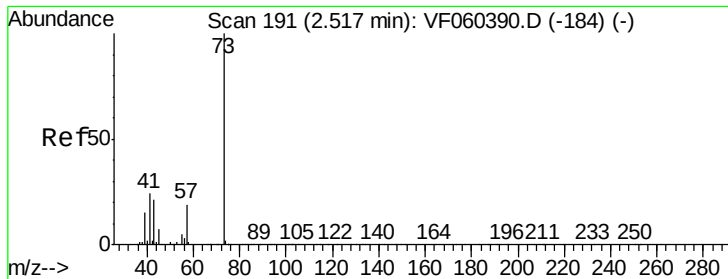
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#18
Methyl Acetate
Concen: 75.141 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 43 Resp: 113231
Ion Ratio Lower Upper
43 100
74 16.5 15.8 23.8





#19

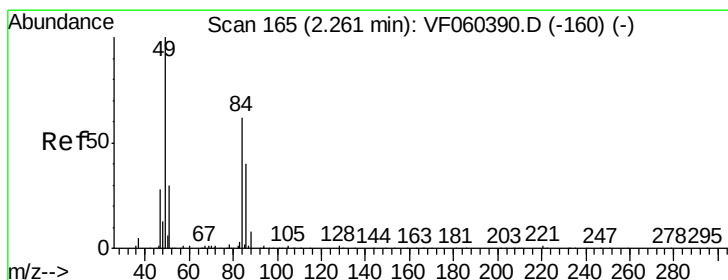
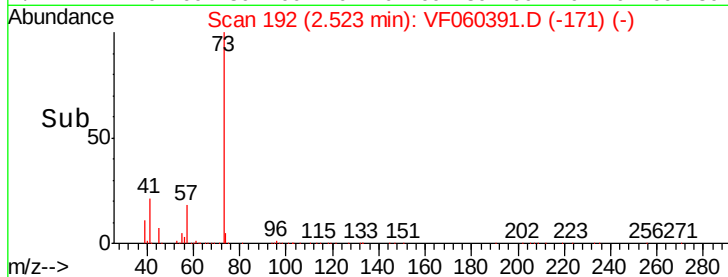
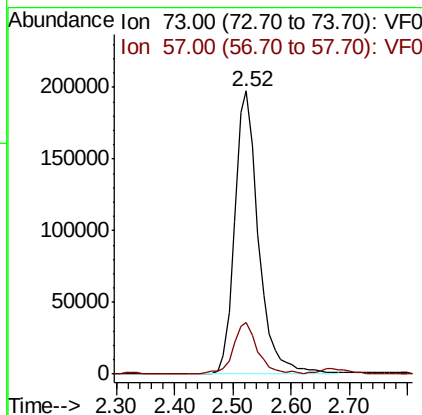
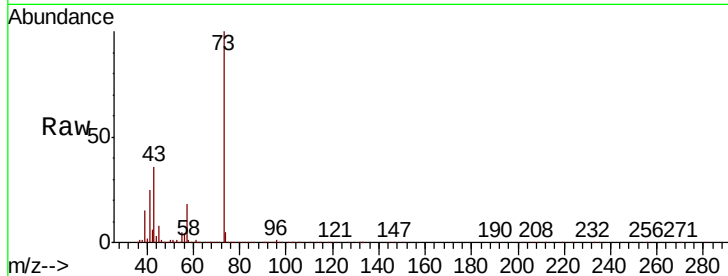
Methyl tert-butyl Ether
 Concen: 82.262 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	15.9	23.9

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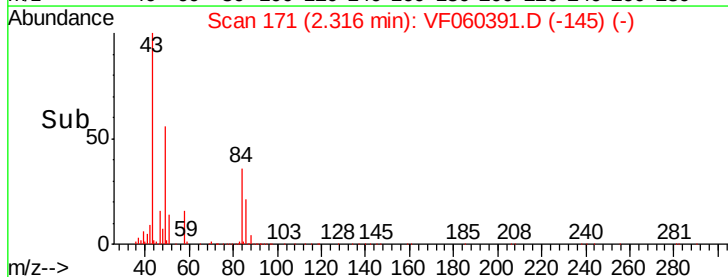
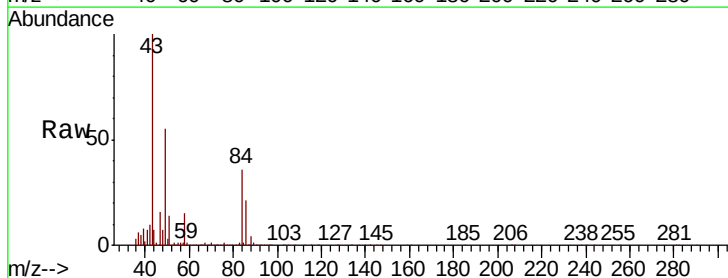
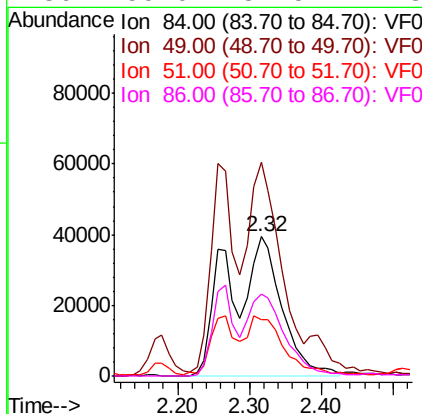
apatel
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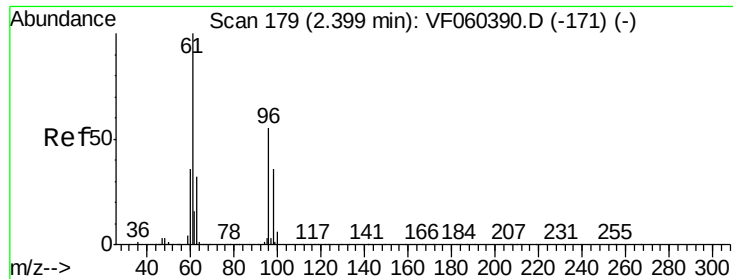


#20

Methylene Chloride
 Concen: 64.360 ug/l m
 RT: 2.32 min Scan# 171
 Delta R.T. 0.05 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.3	130.2	195.2
51	40.5	41.0	61.6#
86	59.0	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 75.881 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

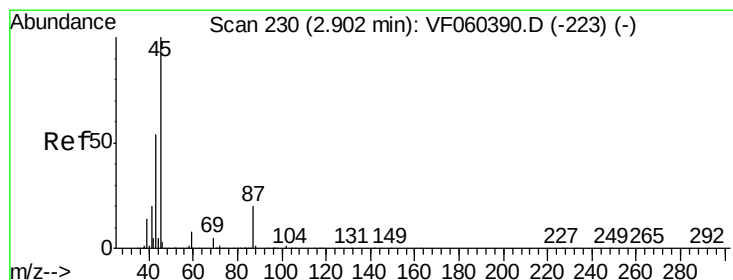
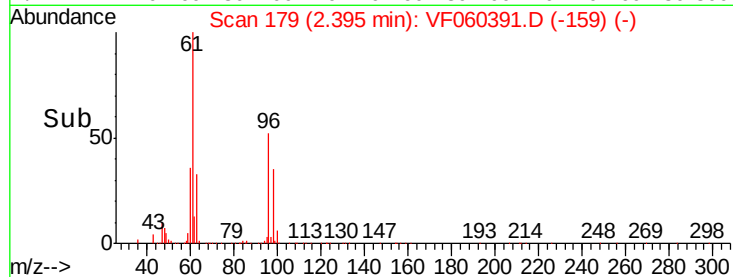
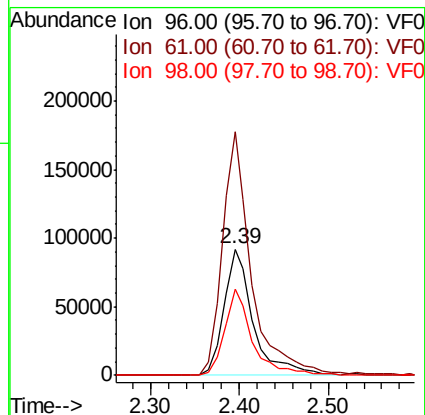
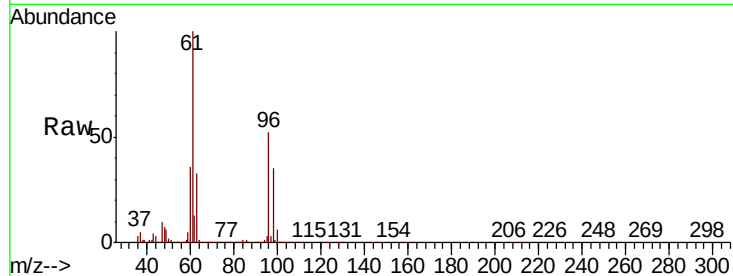
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	213364
Ion	Ratio	Lower	Upper
96	100		
61	193.2	146.2	219.2
98	68.1	52.6	78.8

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#22

Diisopropyl ether

Concen: 72.143 ug/l

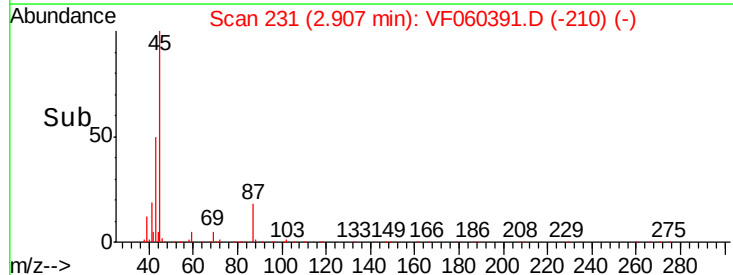
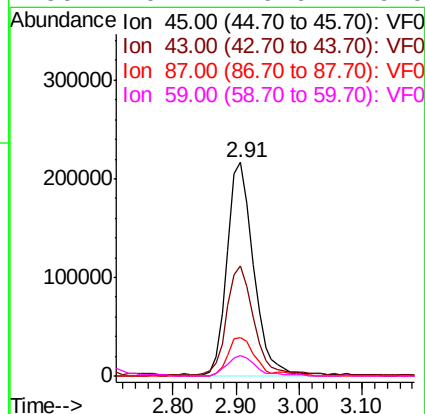
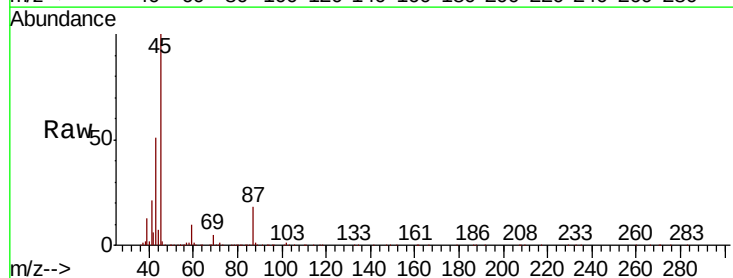
RT: 2.91 min Scan# 231

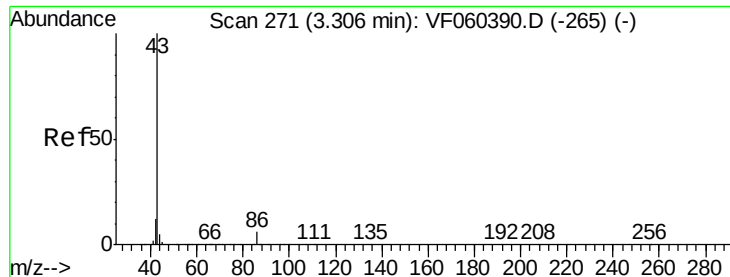
Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	45	Resp:	631815
Ion	Ratio	Lower	Upper
45	100		
43	51.4	43.8	65.8
87	18.1	16.3	24.5
59	9.7	6.6	10.0





#23

Vinyl Acetate

Concen: 374.057 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1292986

Ion Ratio Lower Upper

43 100

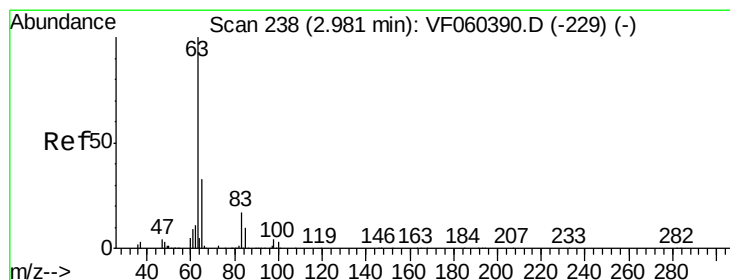
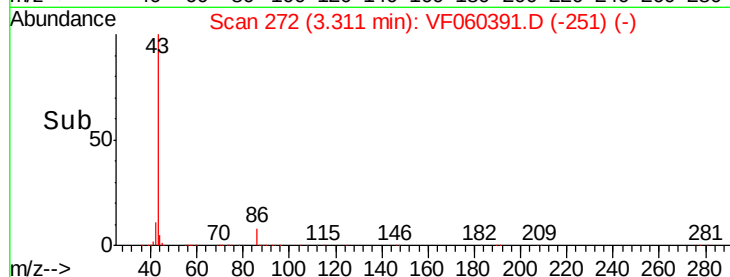
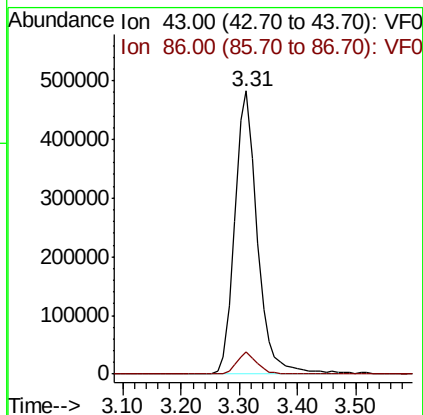
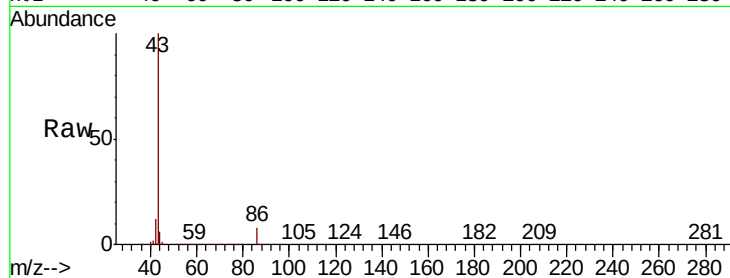
86 8.0 5.1 7.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 70.769 ug/l

RT: 2.98 min Scan# 238

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

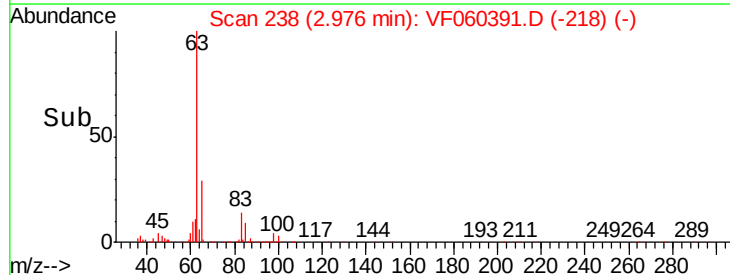
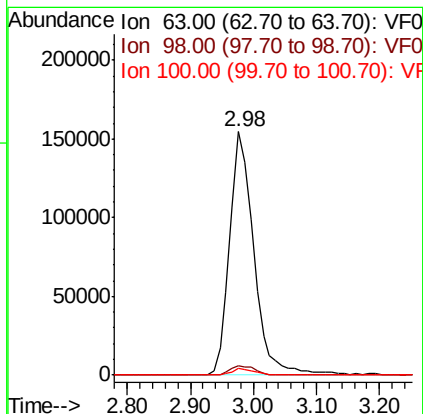
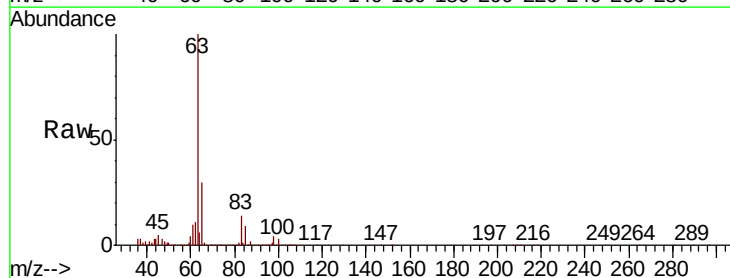
Tgt Ion: 63 Resp: 408791

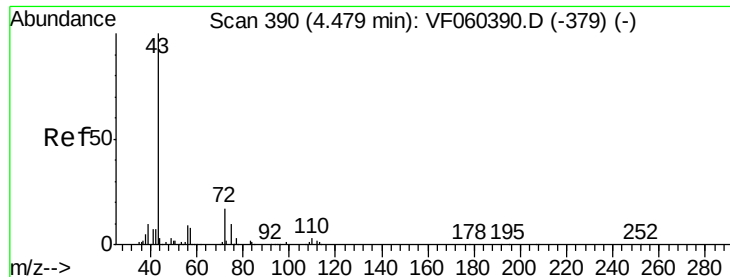
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 3.0 1.4 4.2





#25

2-Butanone

Concen: 304.858 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 348713

Ion Ratio Lower Upper

43 100

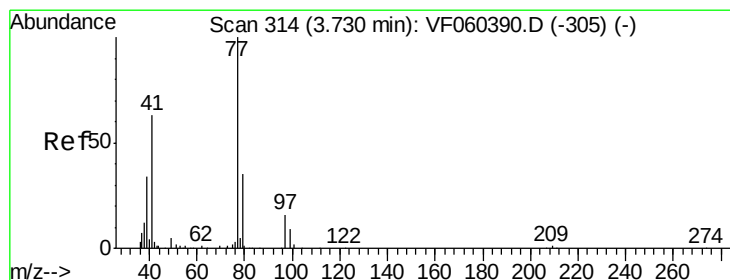
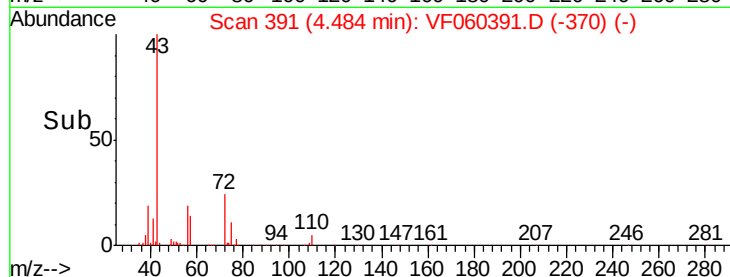
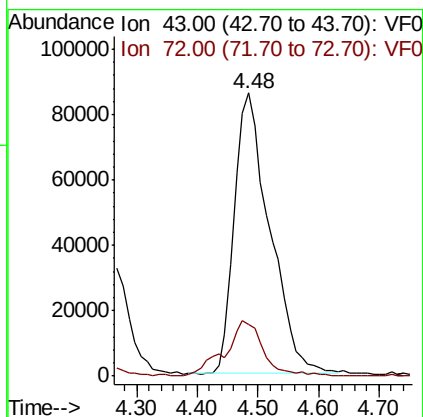
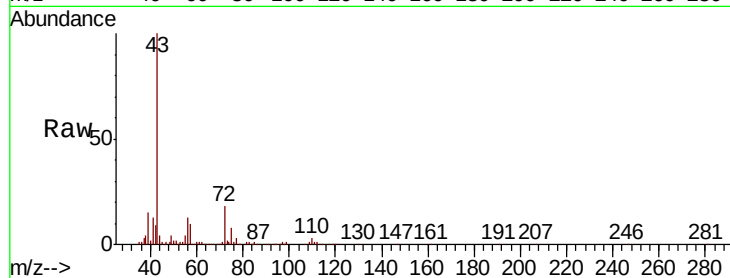
72 18.2 14.1 21.1

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#26

2,2-Dichloropropane

Concen: 72.931 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060391.D

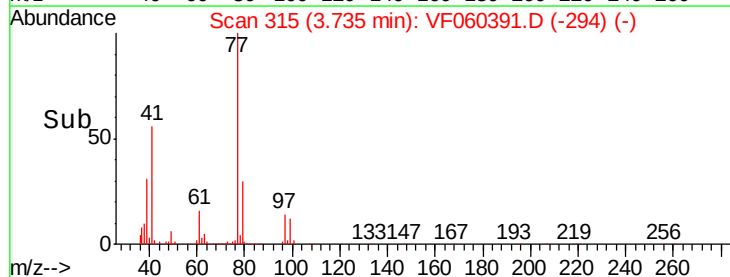
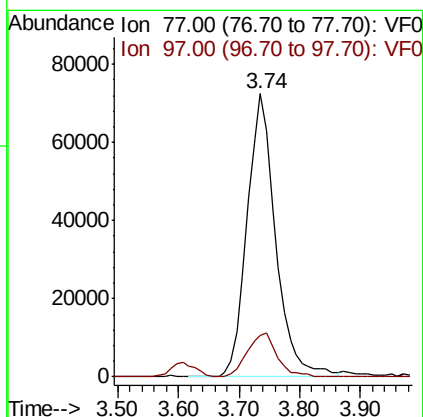
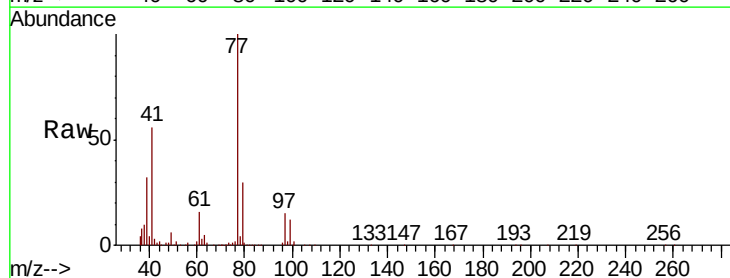
Acq: 1 Oct 2018 19:09

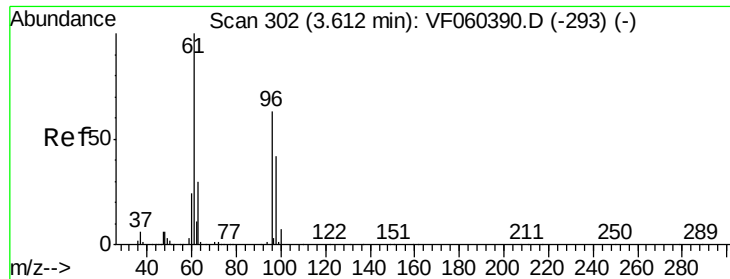
Tgt Ion: 77 Resp: 237631

Ion Ratio Lower Upper

77 100

97 14.5 8.3 25.1





#27

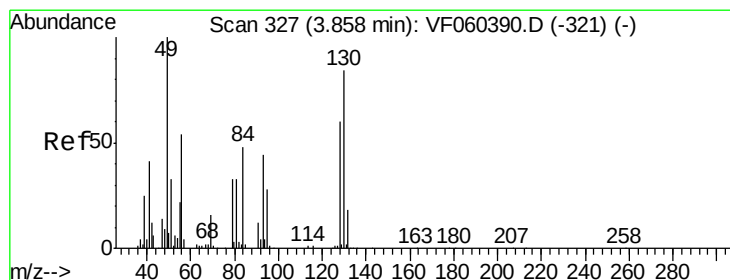
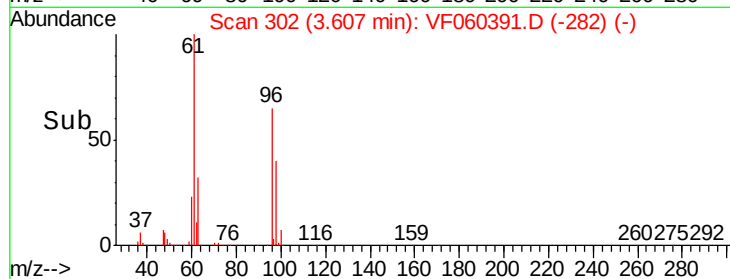
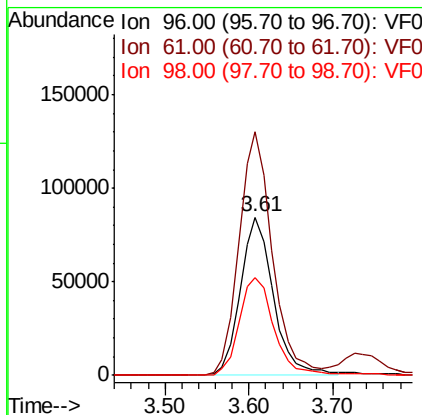
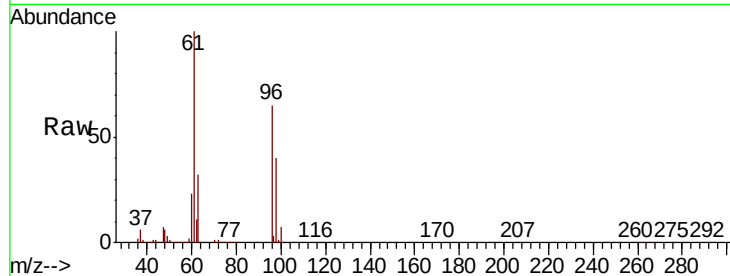
cis-1,2-Dichloroethene
Concen: 64.592 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	231214		
61	154.0	0.0	318.2	
98	61.4	0.0	134.0	

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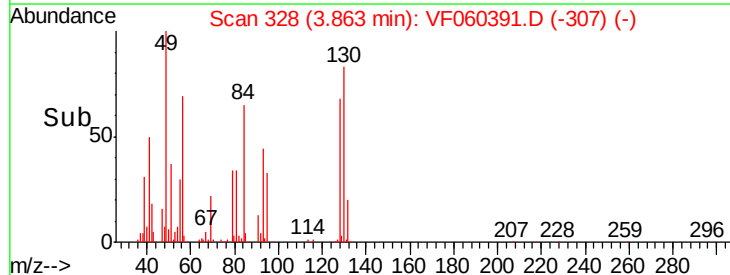
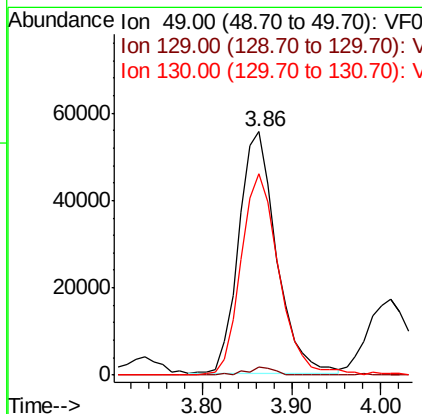
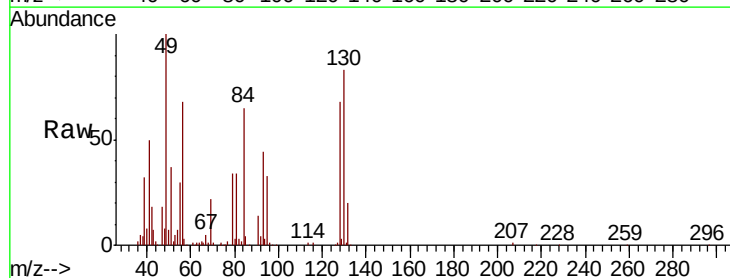
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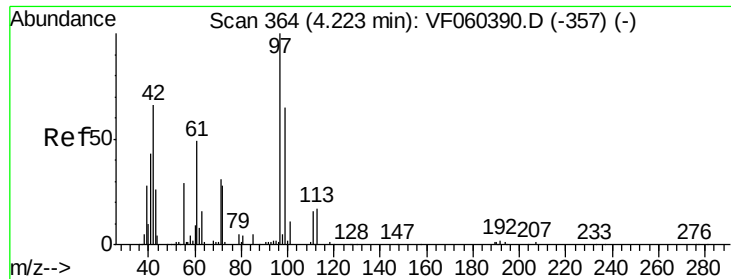


#28

Bromochloromethane
Concen: 72.079 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162064		
129	3.3	0.0	4.6	
130	82.6	67.3	100.9	





#29

Tetrahydrofuran

Concen: 348.116 ug/l

RT: 4.22 min Scan# 364

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

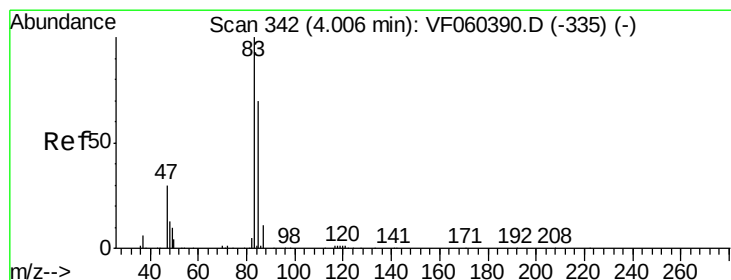
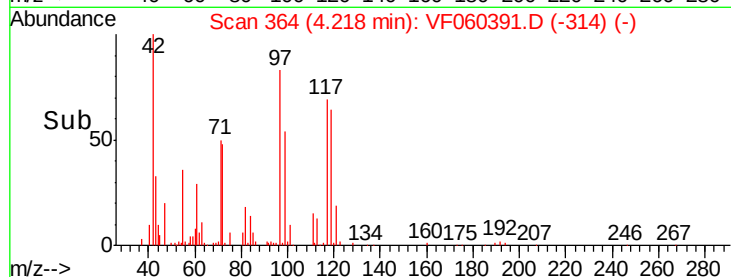
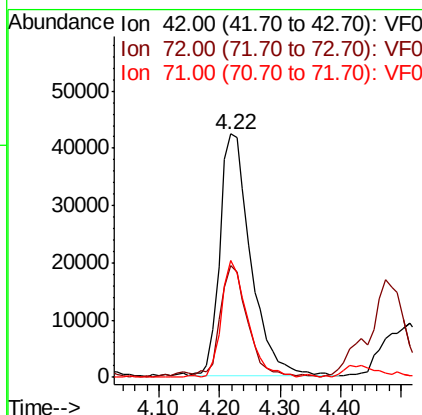
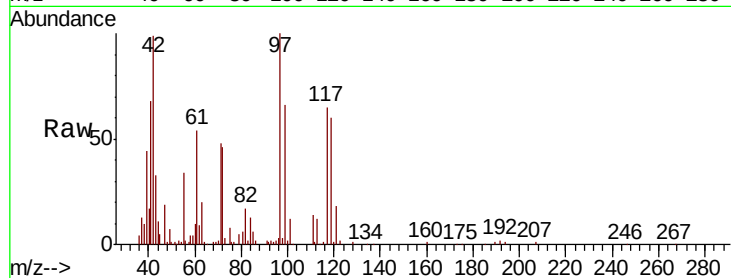
ClientSampleId :

VSTDIC075

Tot Ion:	42	Resp:	149670
Ion Ratio	Lower	Upper	
42	100		
72	41.4	33.6	50.4
71	40.8	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 76.835 ug/l

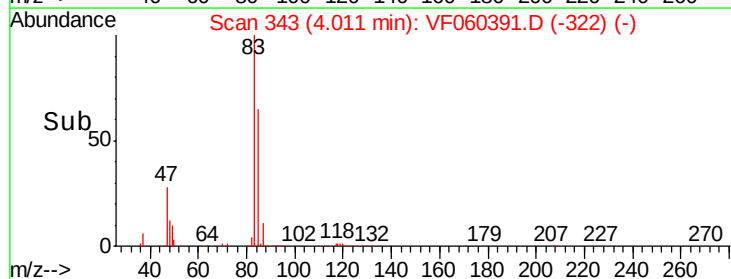
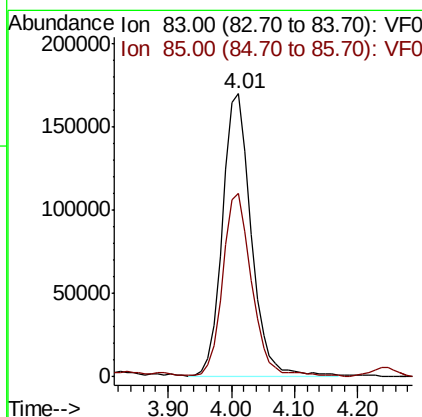
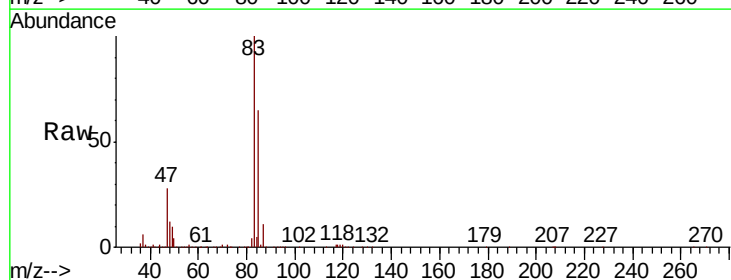
RT: 4.01 min Scan# 343

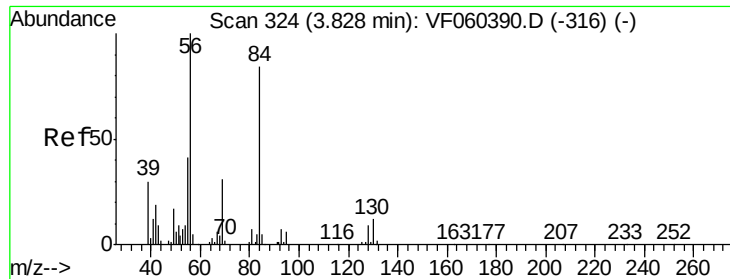
Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	83	Resp:	532454
Ion Ratio	Lower	Upper	
83	100		
85	64.9	55.9	83.9





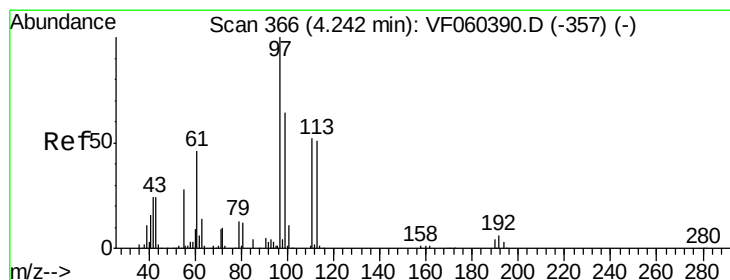
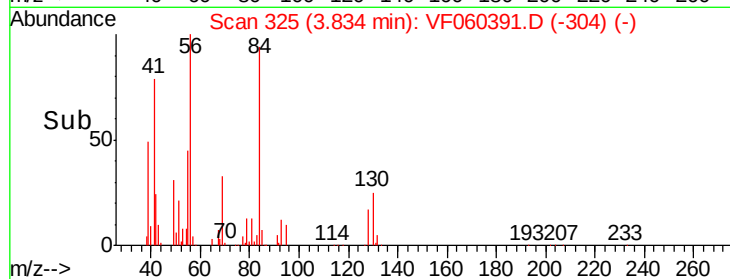
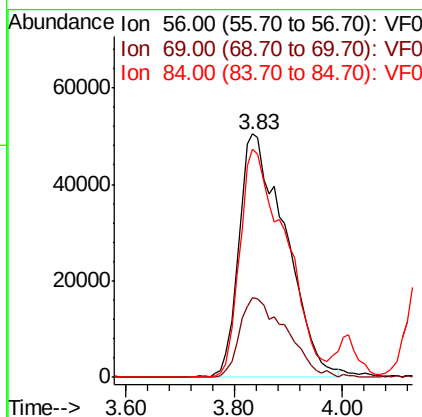
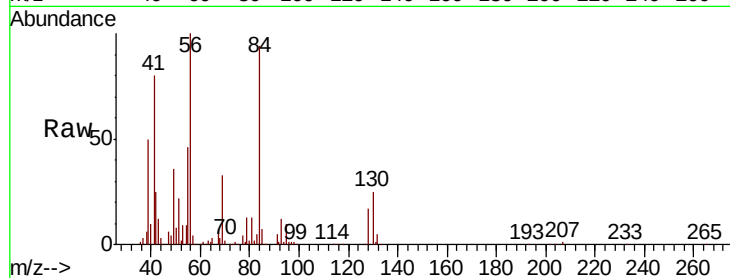
#31
Cyclohexane
Concen: 63.290 ug/l
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.5	38.3
84	93.9	67.4	101.0

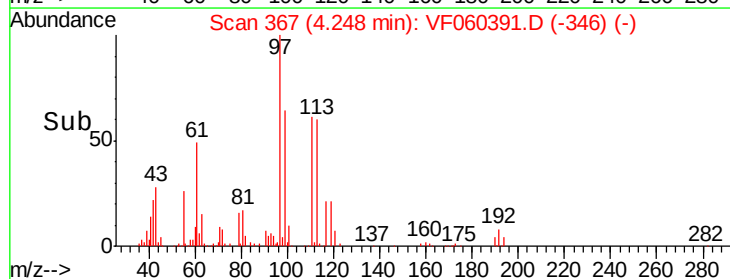
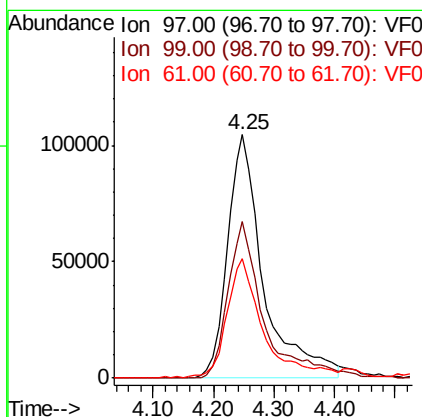
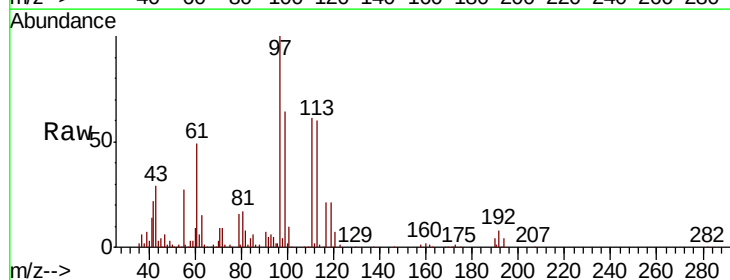
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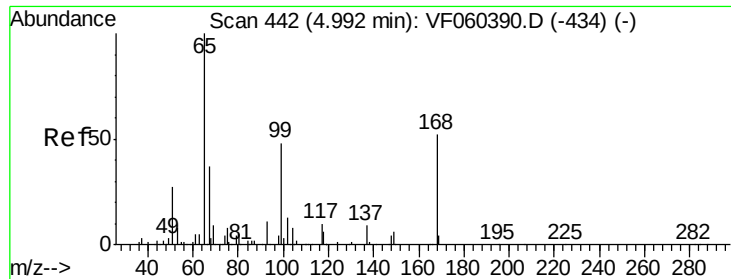
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#32
1,1,1-Trichloroethane
Concen: 77.842 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	48.9	37.5	56.3





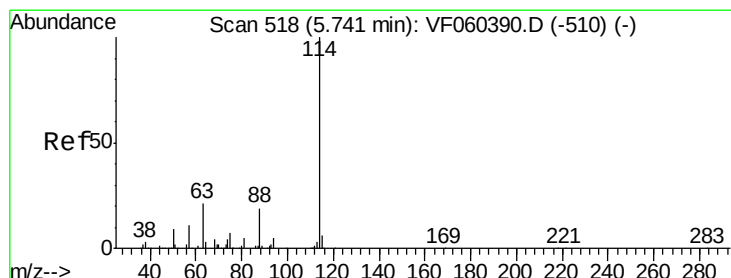
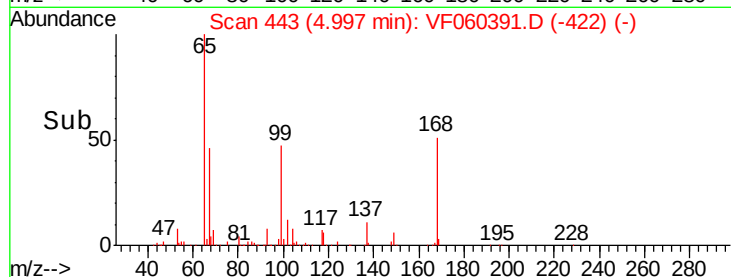
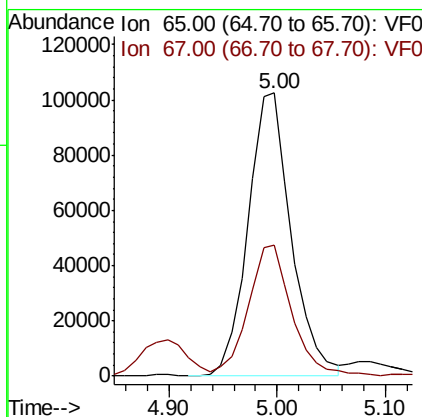
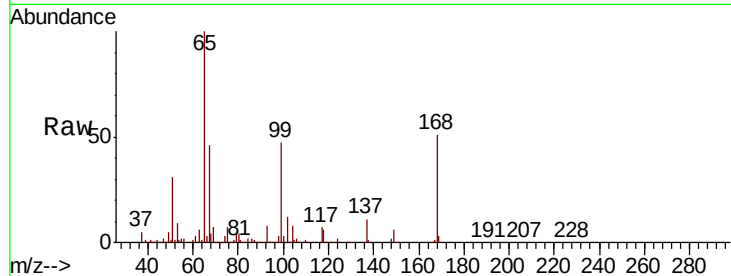
#33
 1,2-Dichloroethane-d4
 Concen: 86.951 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	284890		
67	46.4	0.0	89.4	

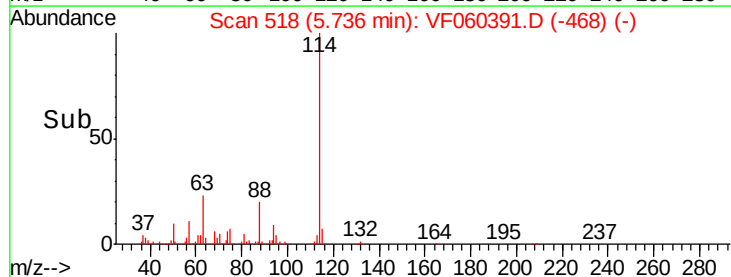
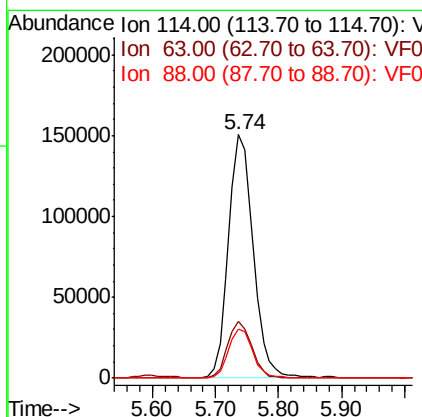
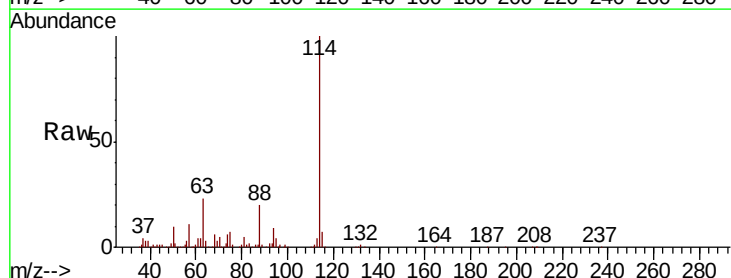
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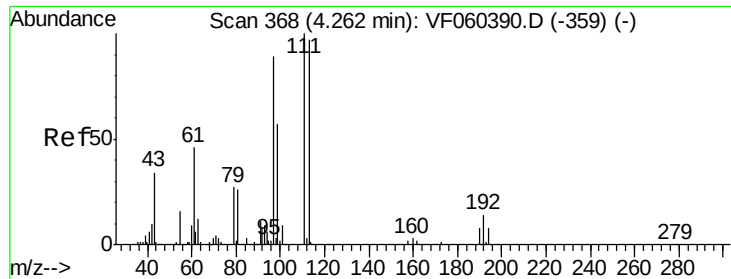
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	411101		
63	23.4	0.0	42.2	
88	20.0	0.0	38.8	





#35

Dibromofluoromethane

Concen: 75.062 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

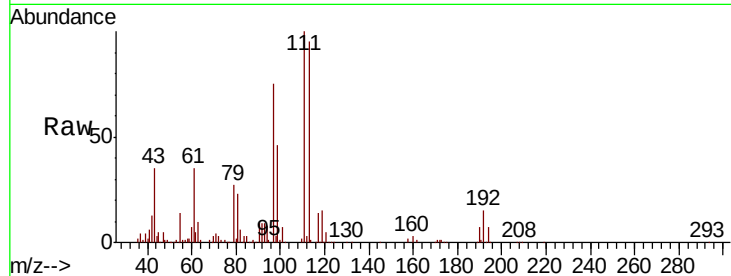
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	280449
Ion Ratio	Lower	Upper	
113	100		
111	105.0	82.3	123.5
192	15.4	11.8	17.6

Manual Integrations
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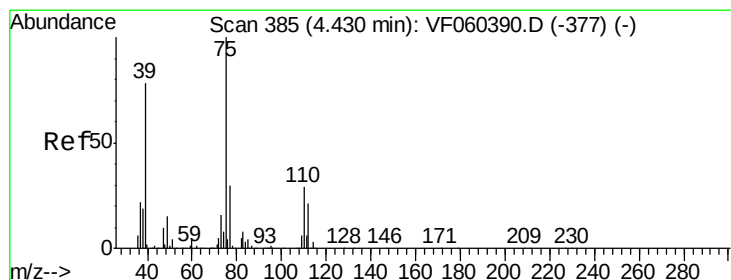
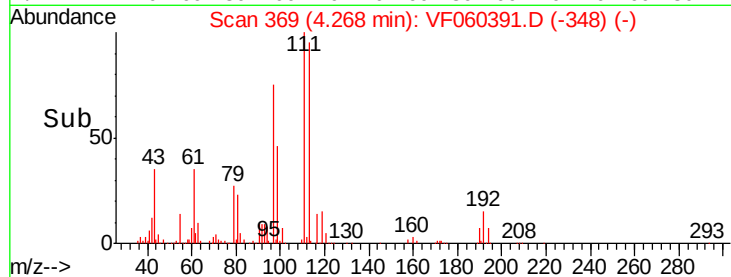
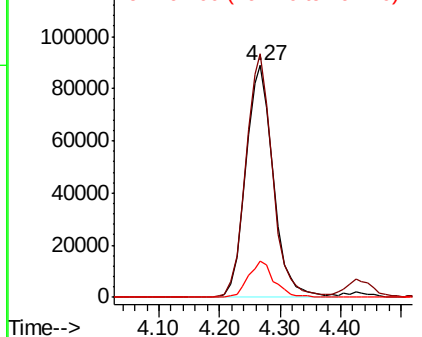


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 69.077 ug/l

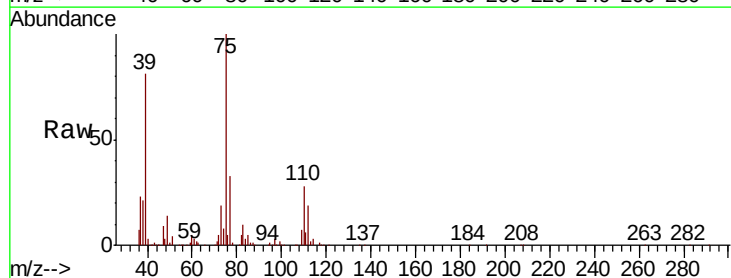
RT: 4.43 min Scan# 385

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	75	Resp:	357130
Ion Ratio	Lower	Upper	
75	100		
110	28.4	14.5	43.6
77	32.6	24.3	36.5

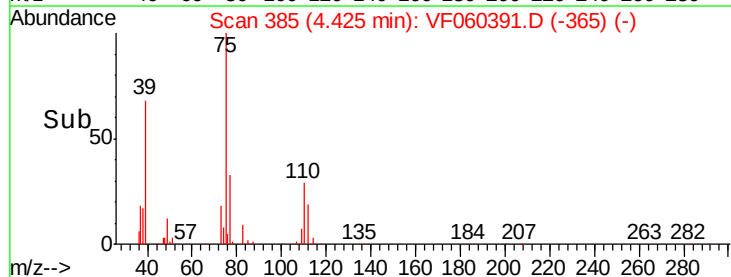
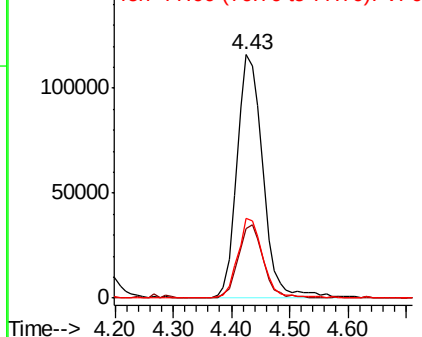


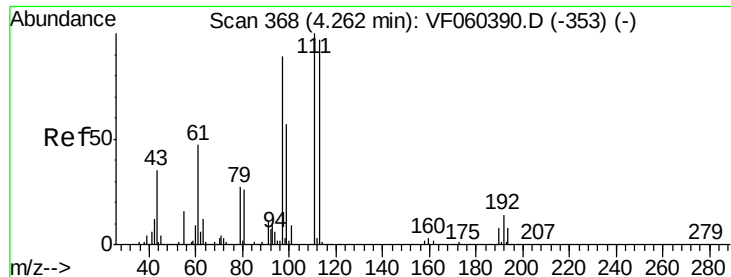
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 69.245 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

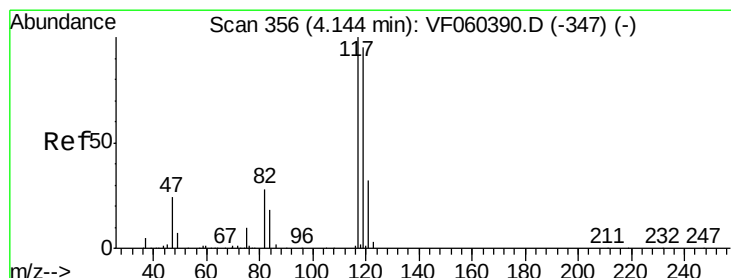
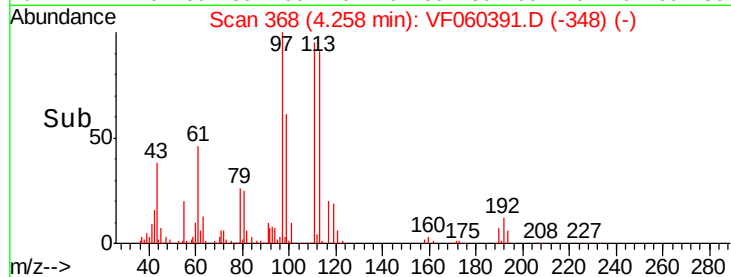
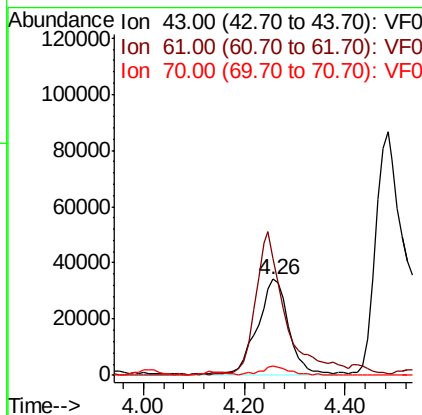
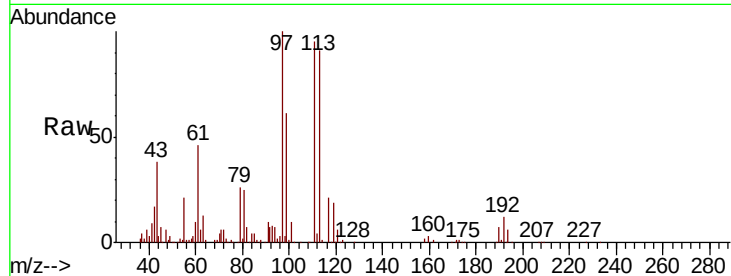
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	147925
Ion	Ratio	Lower	Upper
43	100		
61	121.8	105.1	157.7
70	9.9	8.0	12.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 63.280 ug/l m

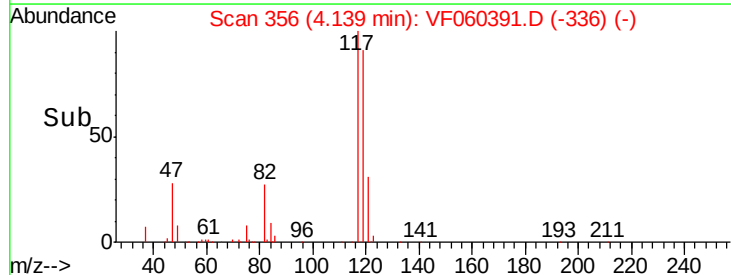
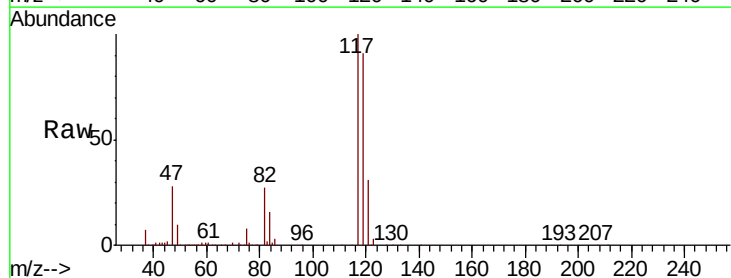
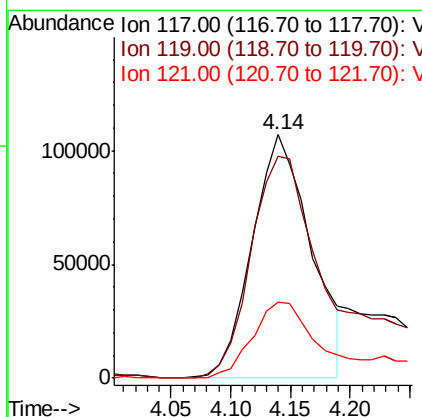
RT: 4.14 min Scan# 356

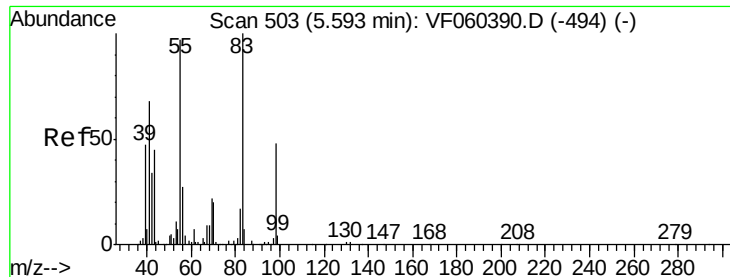
Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	117	Resp:	368278
Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.5	113.3
121	31.2	25.4	38.0





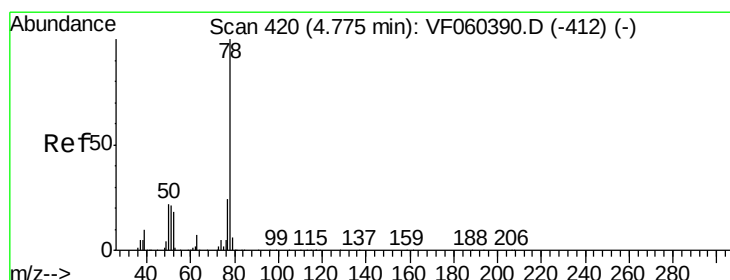
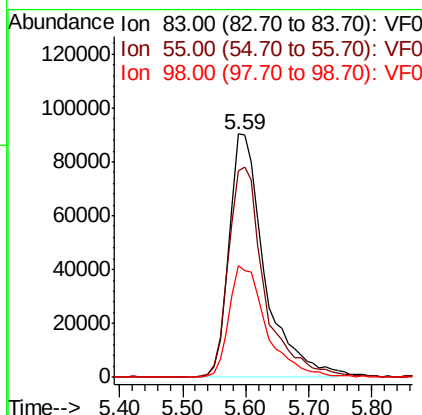
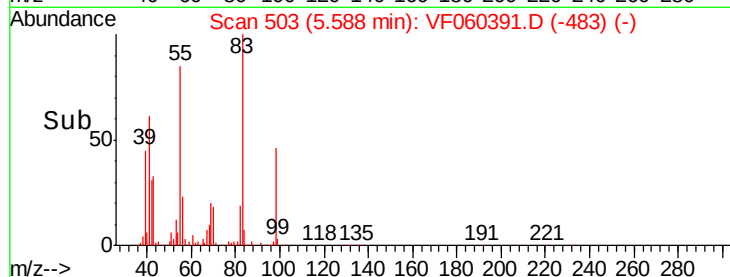
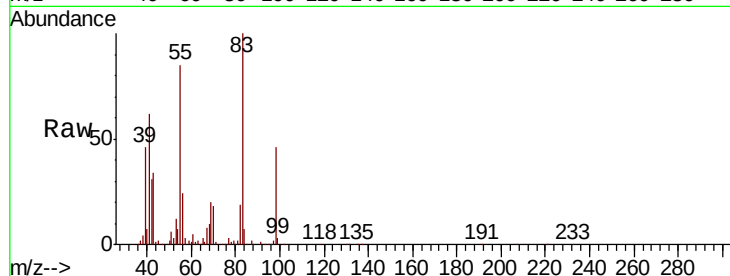
#39
Methylvlcyclohexane
Concen: 64.714 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	77.5	116.3
98	46.0	38.7	58.1

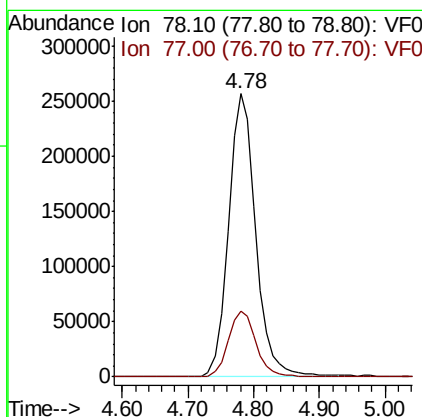
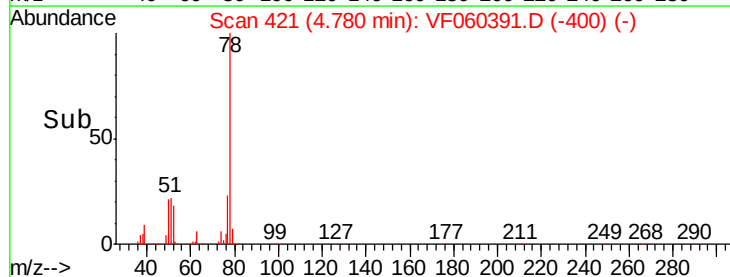
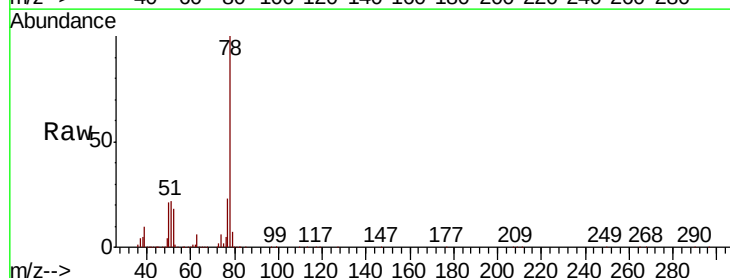
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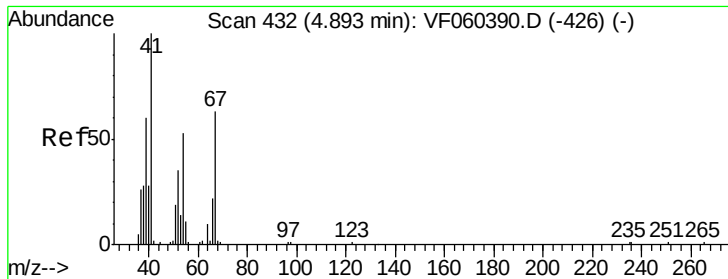
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#40
Benzene
Concen: 65.262 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 68.243 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

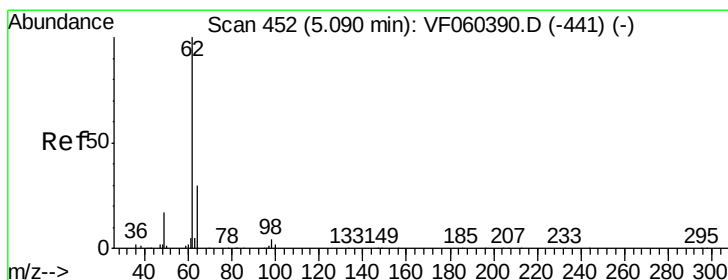
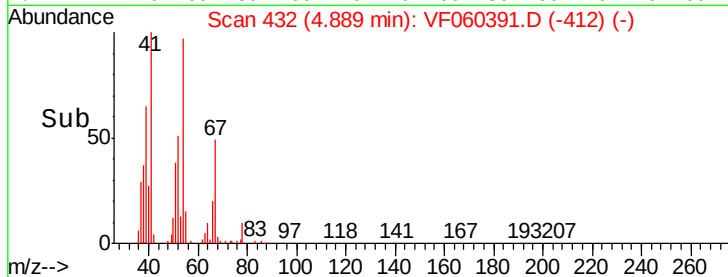
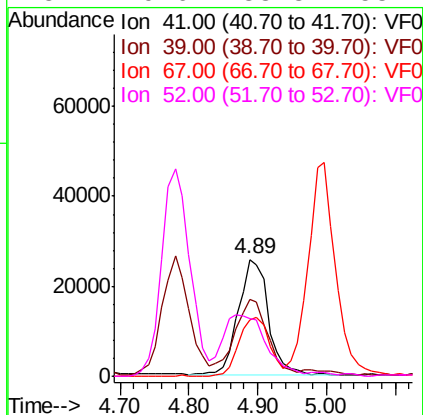
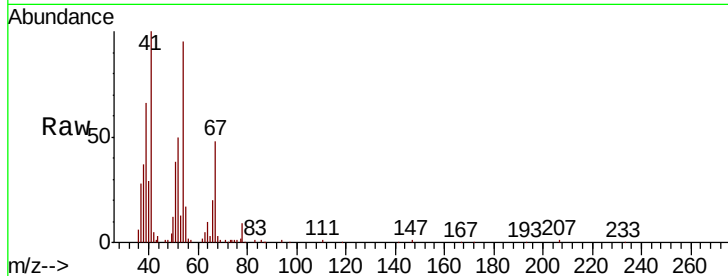
ClientSampleId :

VSTDIC075

Tot Ion	41	Resp	78204
Ion Ratio	Lower	Upper	
41	100		
39	66.3	55.0	82.4
67	47.7	49.6	74.4#
52	49.6	38.8	58.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 80.484 ug/l

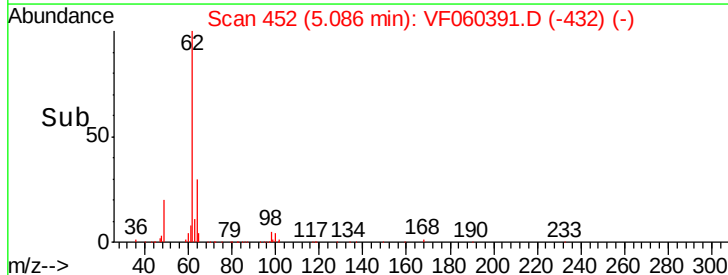
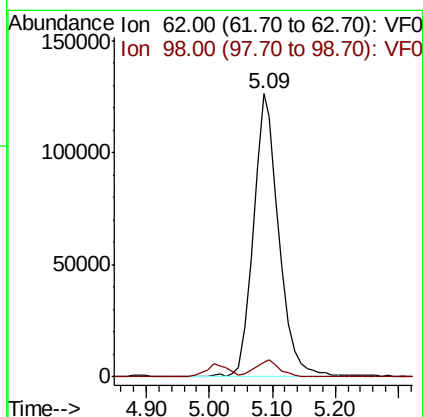
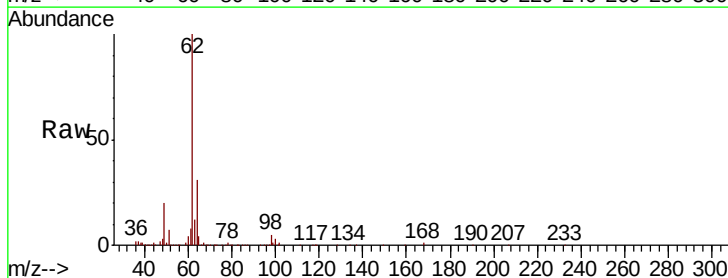
RT: 5.09 min Scan# 452

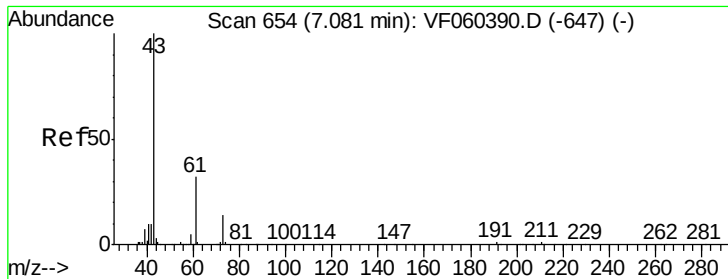
Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion	62	Resp	354316
Ion Ratio	Lower	Upper	
62	100		
98	5.2	0.0	11.2





#43

Isopropyl Acetate

Concen: 70.209 ug/l

RT: 7.09 min Scan# 655

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

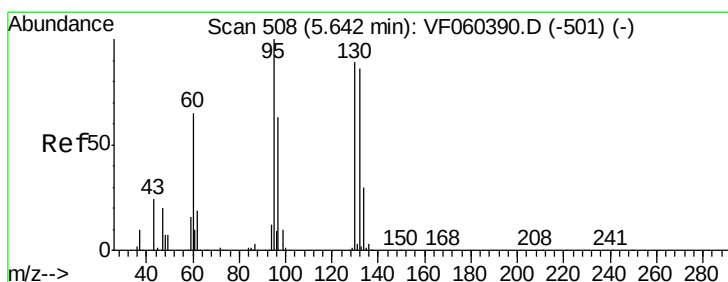
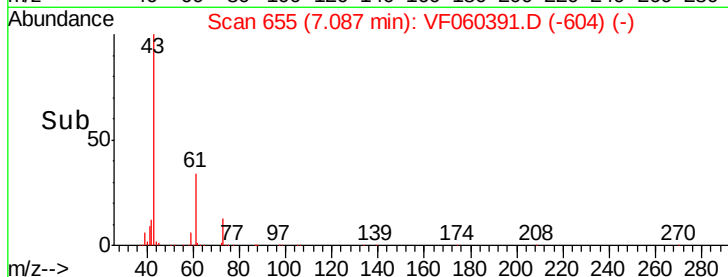
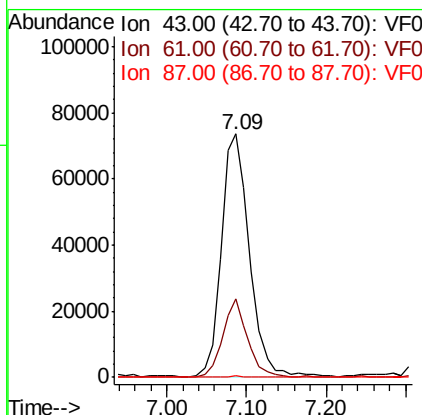
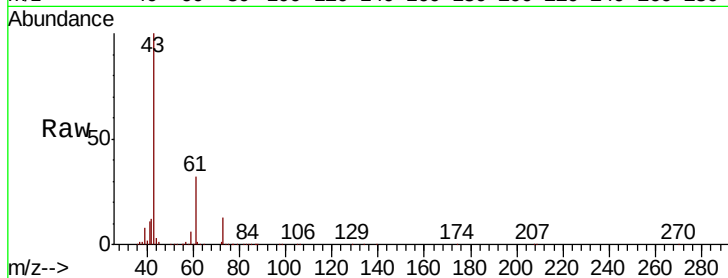
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	180747
Ion Ratio		Lower	Upper
43	100		
61	32.0	25.4	38.2
87	0.6	0.3	0.5#

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#44

Trichloroethene

Concen: 65.987 ug/l

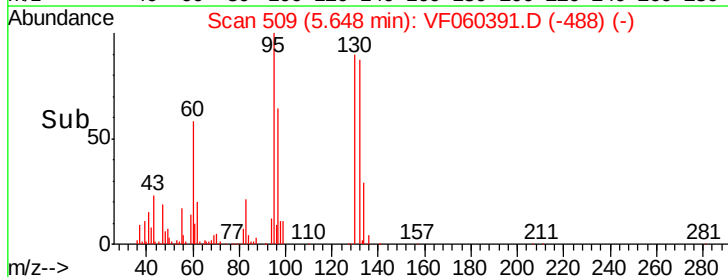
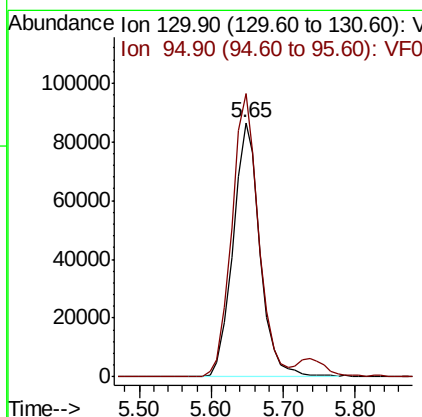
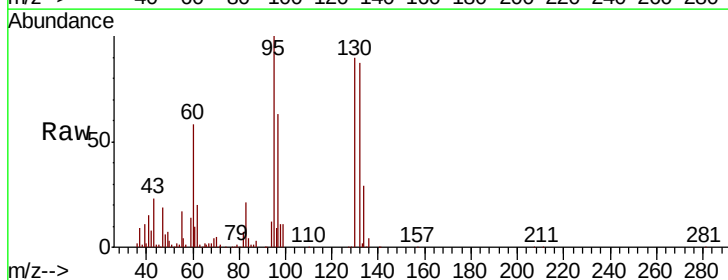
RT: 5.65 min Scan# 509

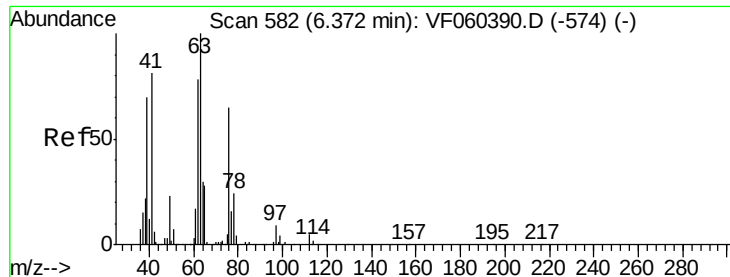
Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	130	Resp:	224781
Ion Ratio		Lower	Upper
130	100		
95	111.4	0.0	224.4





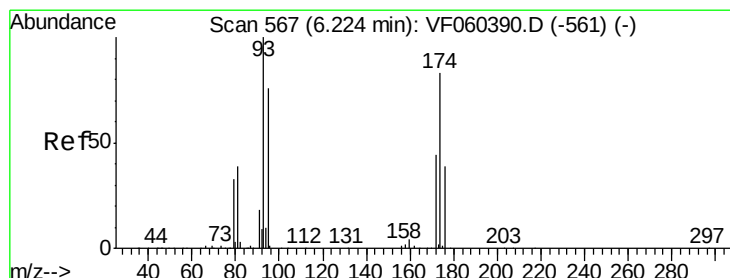
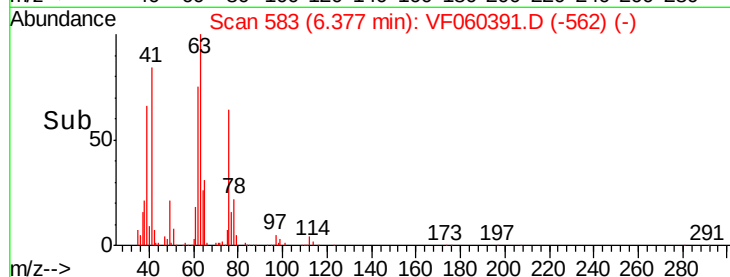
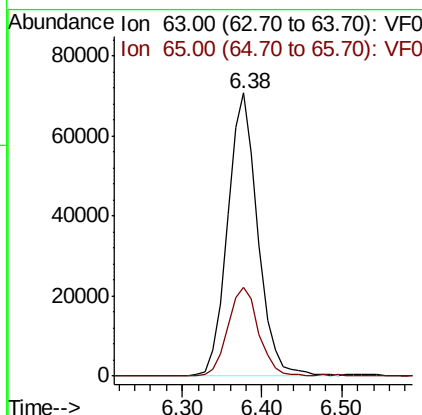
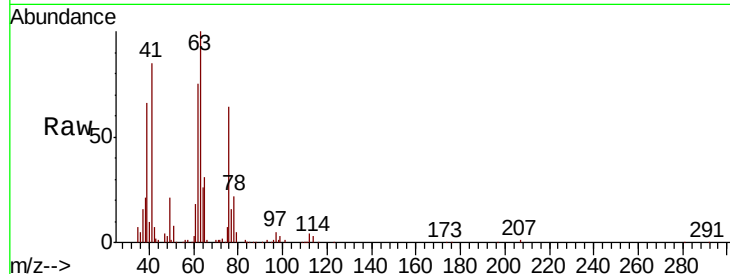
#45
 1,2-Dichloropropane
 Concen: 63.100 ug/l
 RT: 6.38 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion: 63 Resp: 186928
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.7 34.1

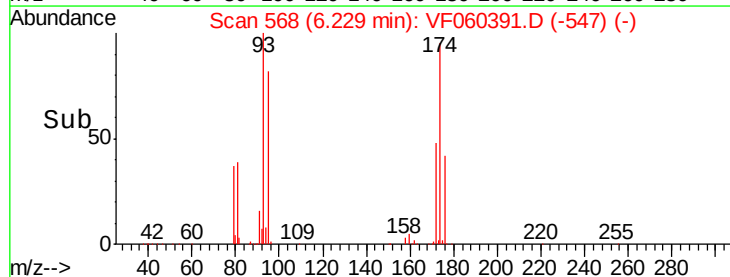
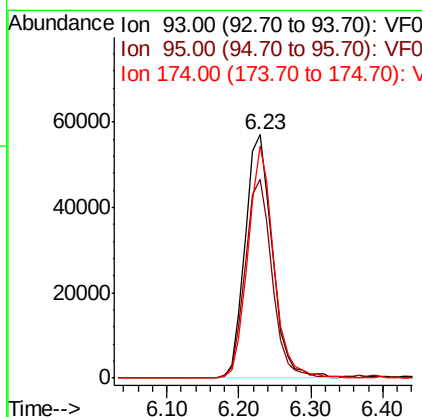
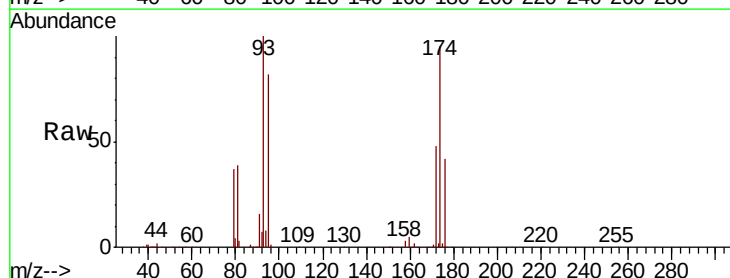
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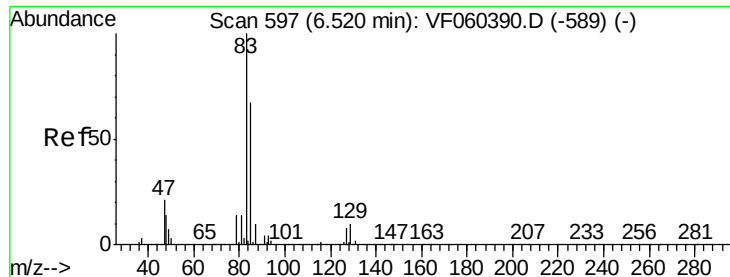
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#46
 Dibromomethane
 Concen: 69.884 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion: 93 Resp: 151232
 Ion Ratio Lower Upper
 93 100
 95 81.8 61.1 91.7
 174 95.3 66.7 100.1





#47

Bromodichloromethane

Concen: 73.288 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

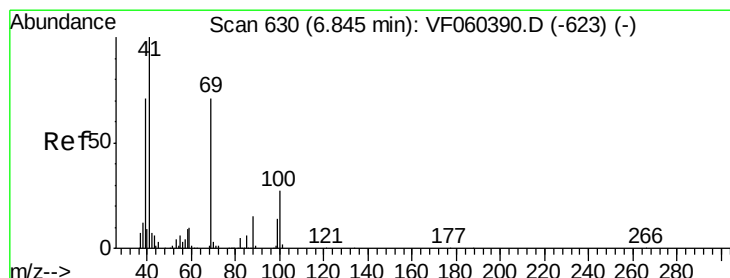
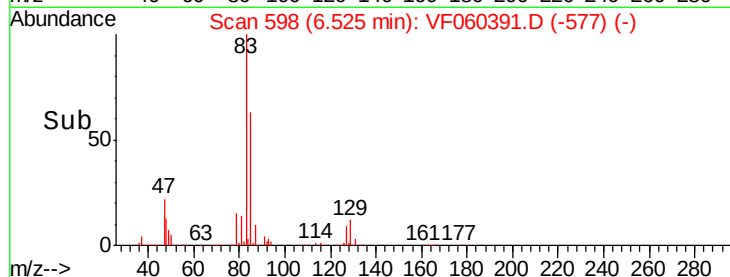
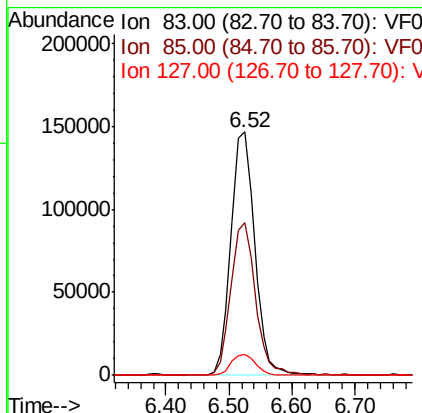
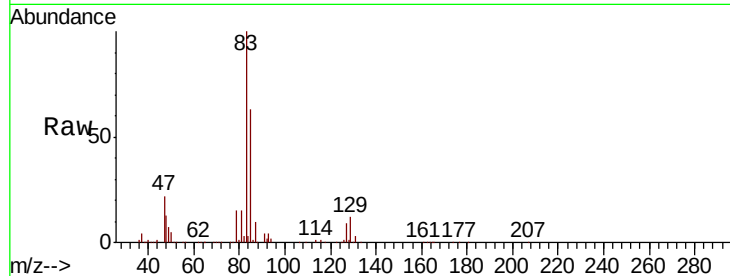
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	382981
Ion Ratio	Lower	Upper	
83	100		
85	62.5	53.2	79.8
127	8.8	6.6	9.8

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#48

Methyl methacrylate

Concen: 66.454 ug/l

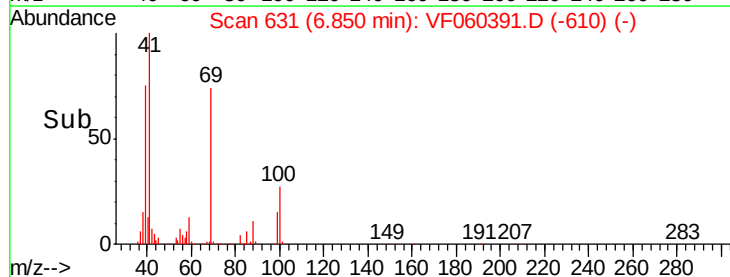
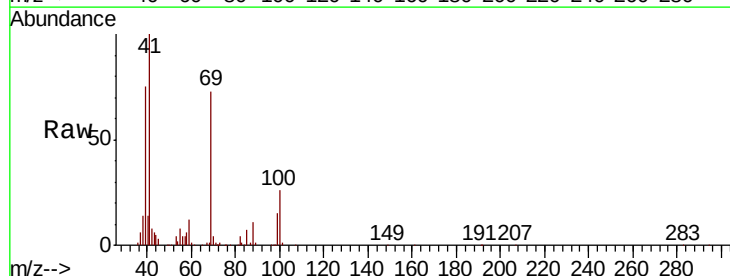
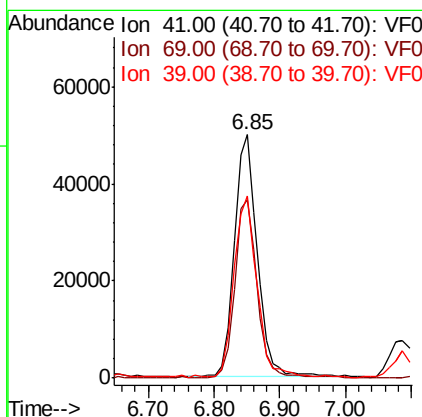
RT: 6.85 min Scan# 631

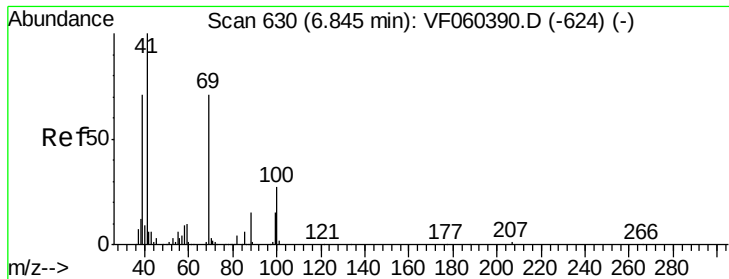
Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	41	Resp:	121681
Ion Ratio	Lower	Upper	
41	100		
69	73.2	56.3	84.5
39	75.0	56.9	85.3





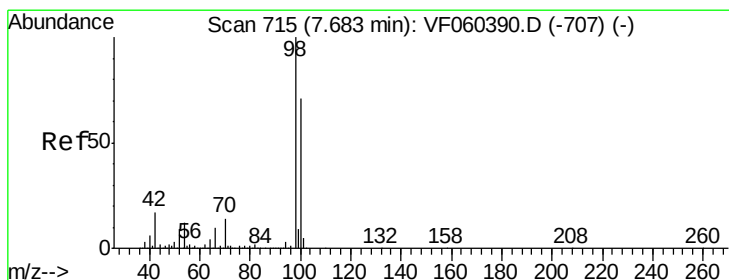
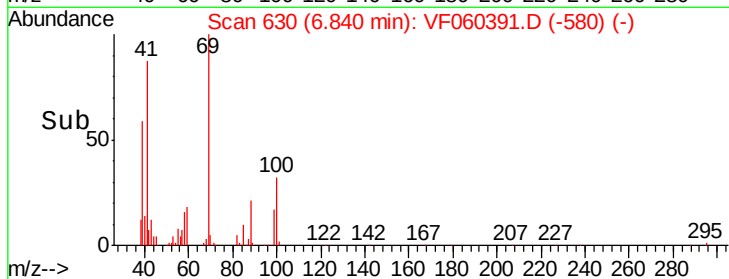
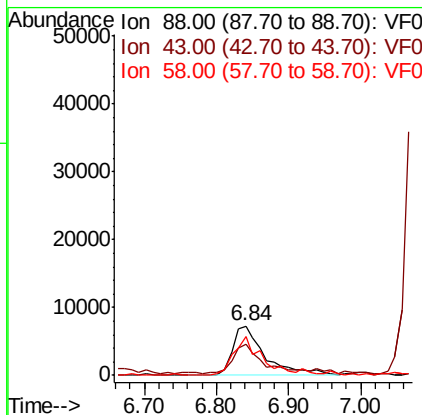
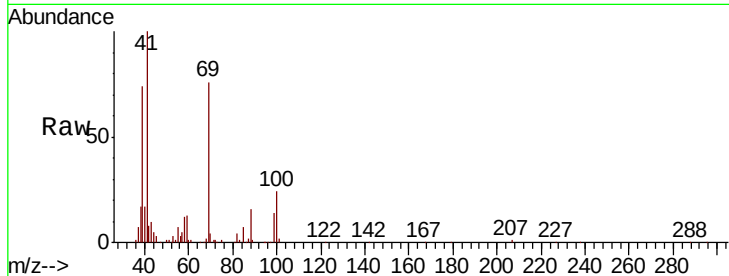
#49
1,4-Dioxane
Concen: 1417.125 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	62.2	38.3	57.5#
58	77.0	47.4	71.2#

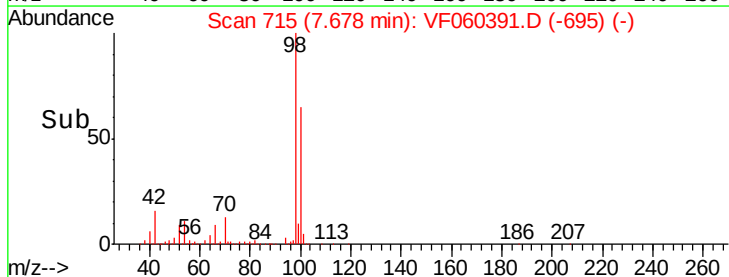
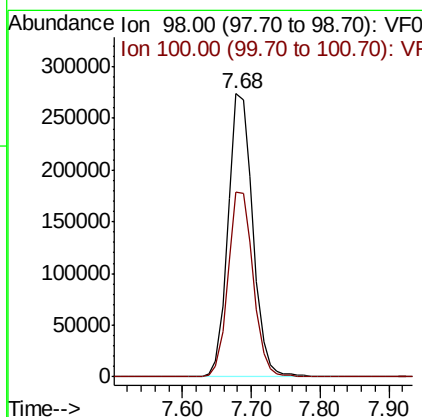
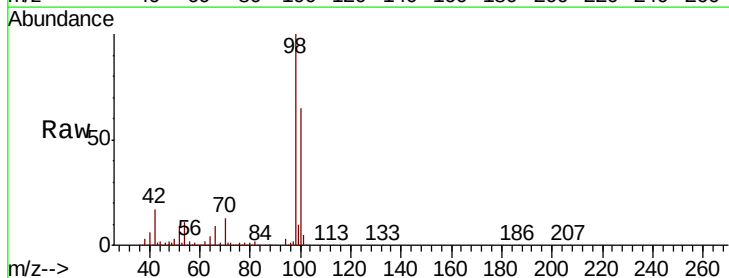
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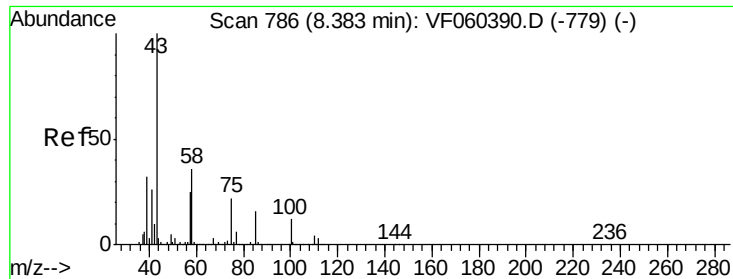
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#50
Toluene-d8
Concen: 71.076 ug/l
RT: 7.68 min Scan# 715
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 318.287 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 615115

Ion Ratio Lower Upper

43 100

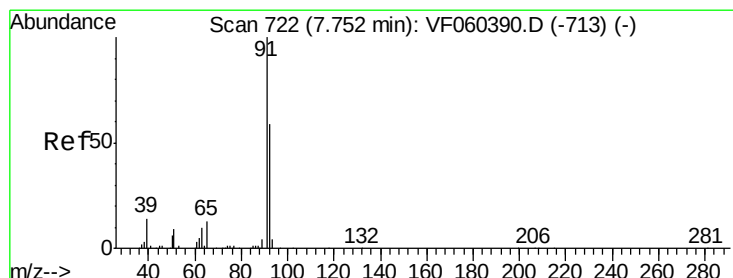
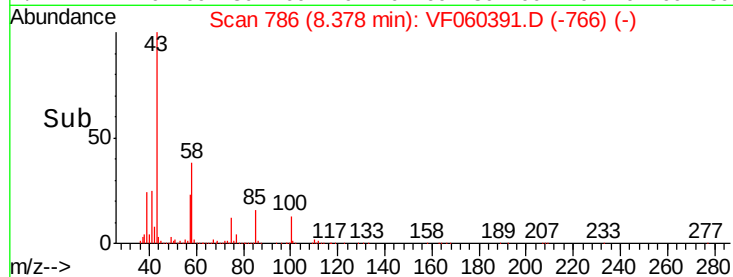
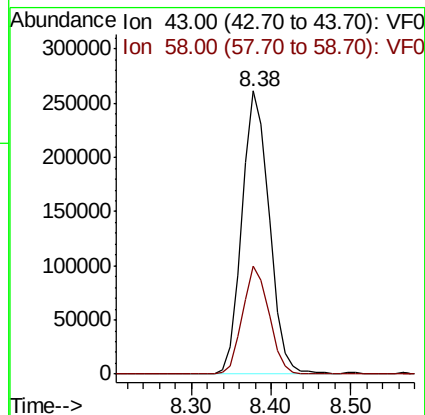
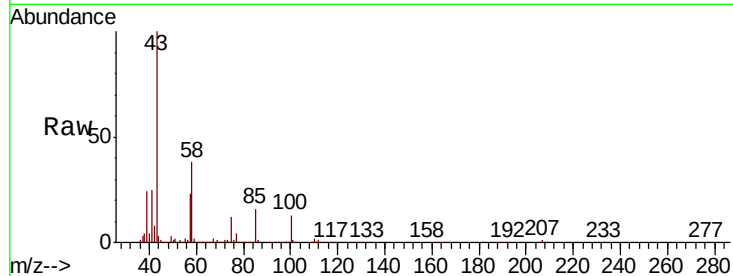
58 38.3 28.5 42.7

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#52

Toluene

Concen: 62.886 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060391.D

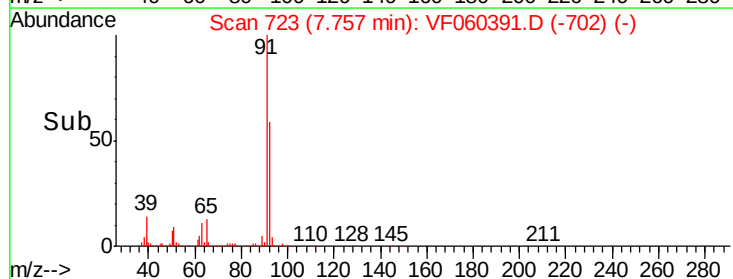
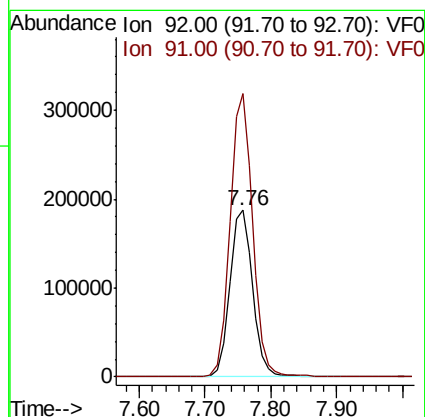
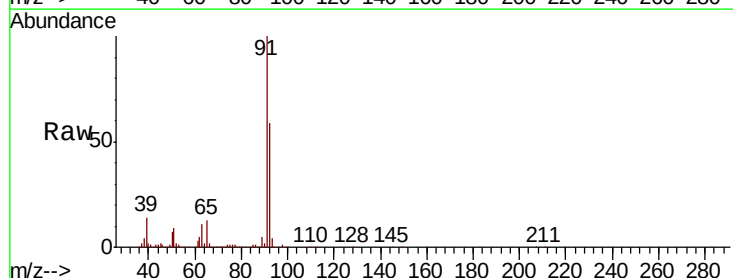
Acq: 1 Oct 2018 19:09

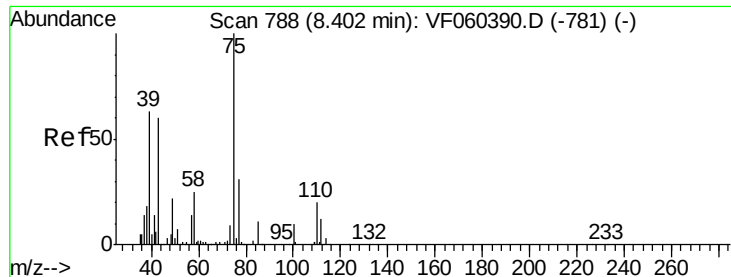
Tgt Ion: 92 Resp: 456322

Ion Ratio Lower Upper

92 100

91 170.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 69.794 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 290751

Ion Ratio Lower Upper

75 100

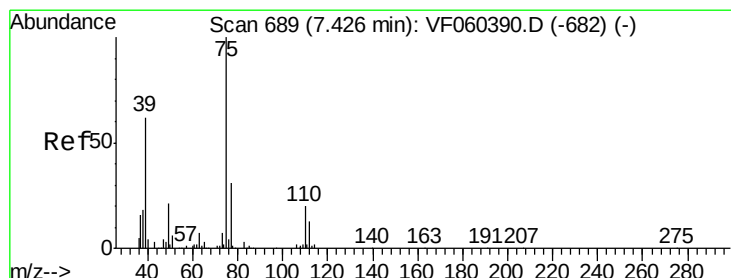
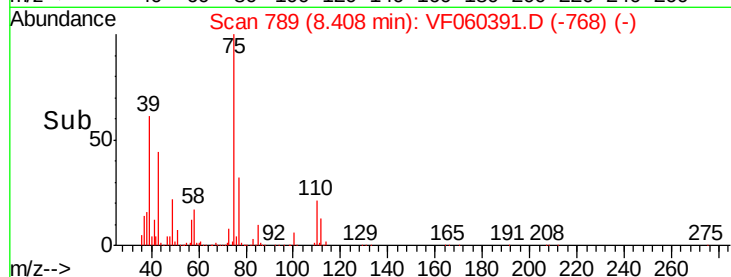
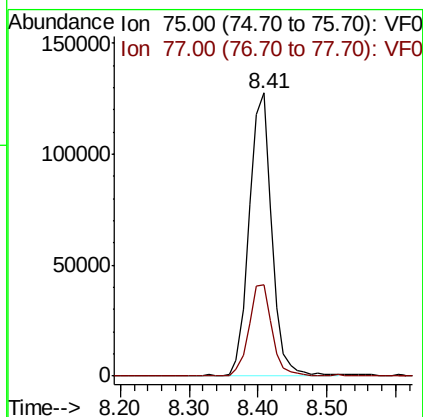
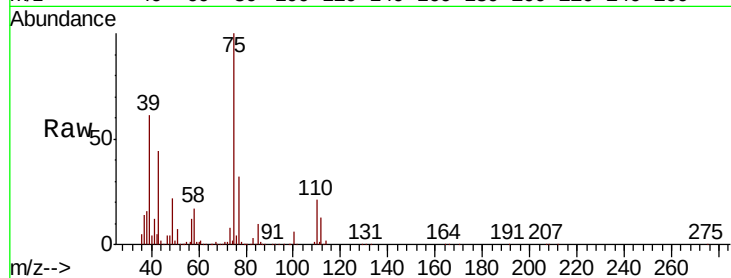
77 32.3 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 67.873 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

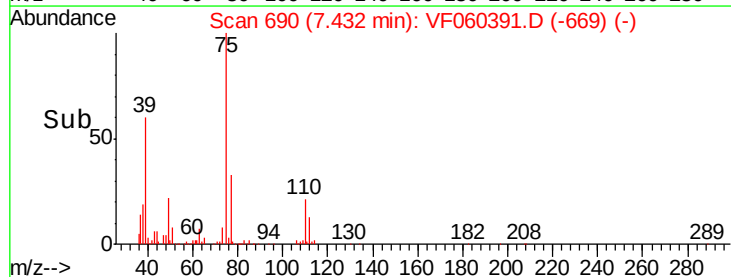
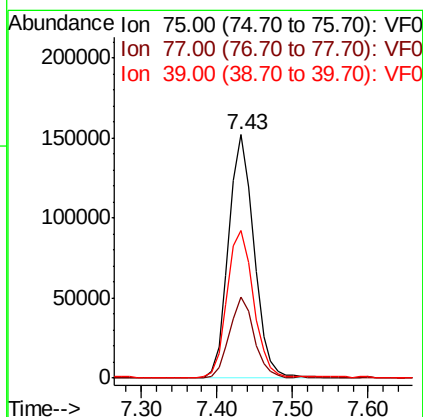
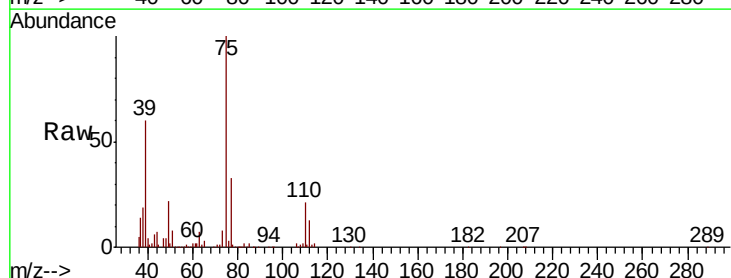
Tgt Ion: 75 Resp: 354787

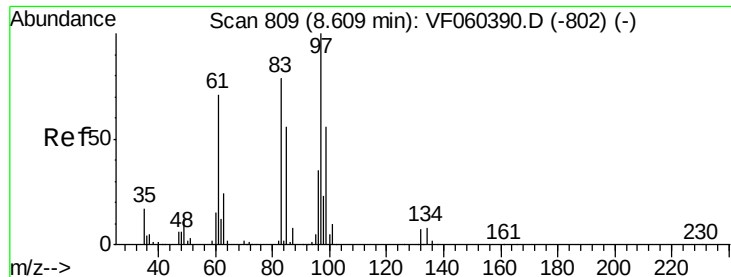
Ion Ratio Lower Upper

75 100

77 33.3 25.2 37.8

39 60.4 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 68.888 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

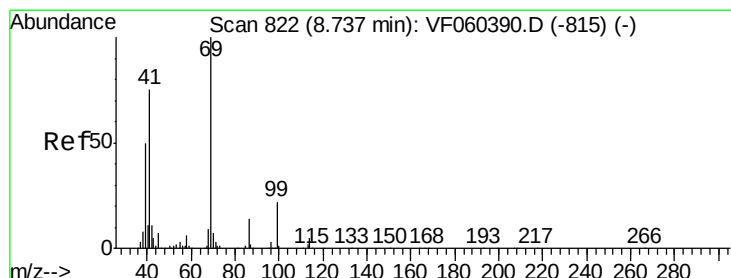
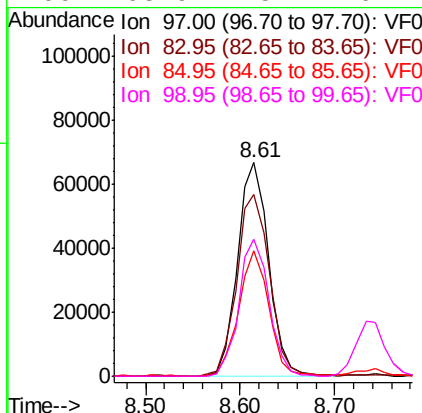
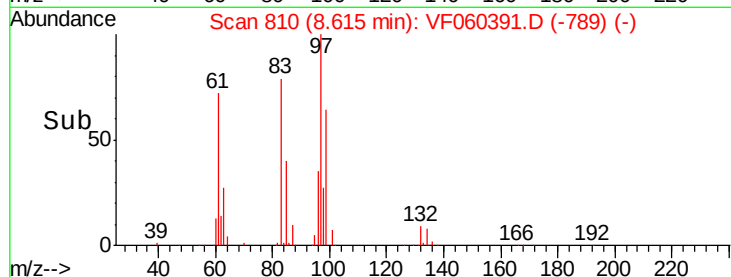
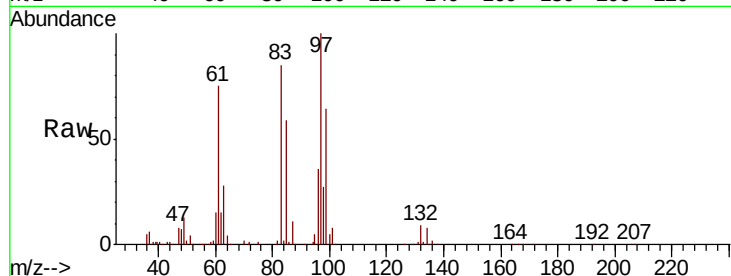
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	151668
Ion	Ratio	Lower	Upper
97	100		
83	84.9	63.4	95.0
85	59.0	44.5	66.7
99	63.9	45.1	67.7

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#56

Ethyl methacrylate

Concen: 70.383 ug/l

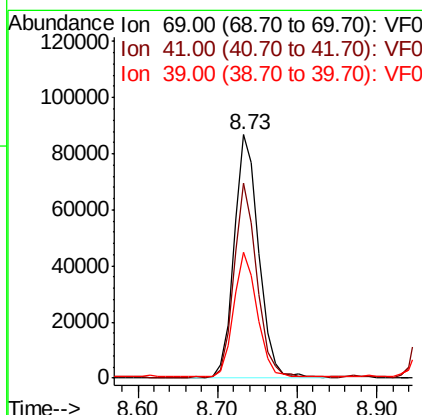
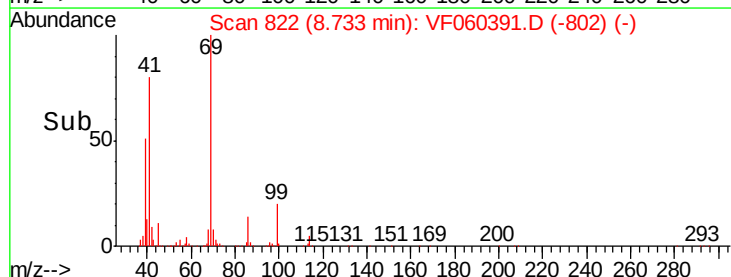
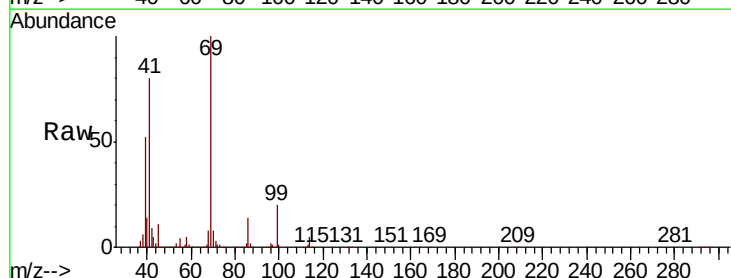
RT: 8.73 min Scan# 822

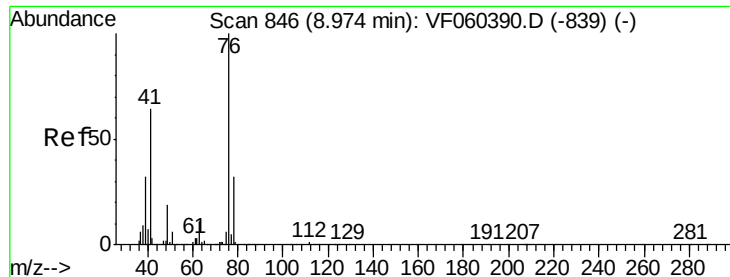
Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	69	Resp:	187356
Ion	Ratio	Lower	Upper
69	100		
41	80.2	60.2	90.4
39	51.9	40.2	60.2





#57

1,3-Dichloropropane

Concen: 71.786 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 262822

Ion Ratio Lower Upper

76 100

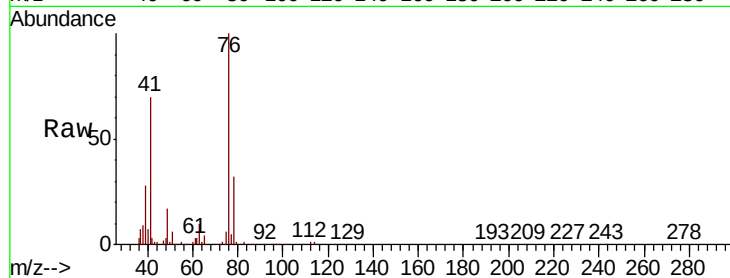
78 32.5 25.3 37.9

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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

120000

100000

80000

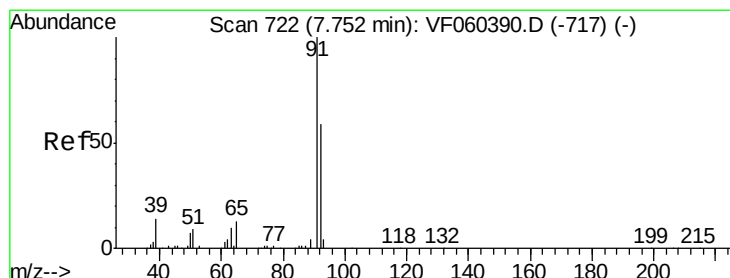
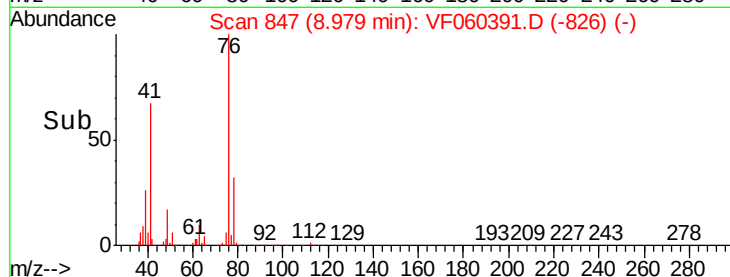
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 341.638 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060391.D

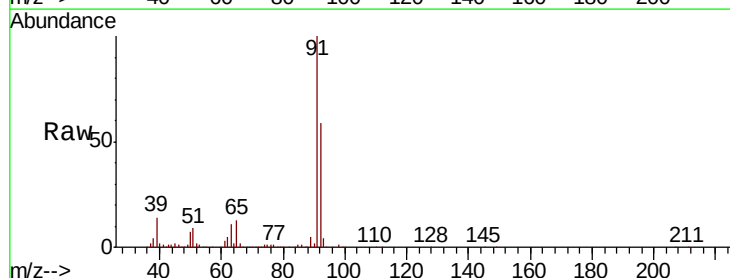
Acq: 1 Oct 2018 19:09

Tgt Ion: 63 Resp: 82429

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

40000

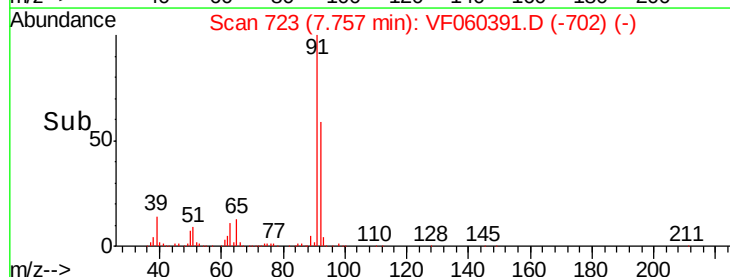
30000

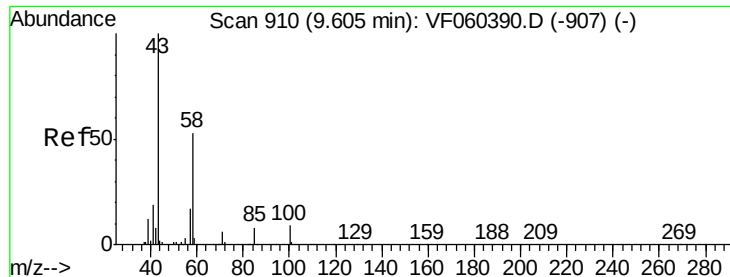
20000

10000

0

Time-->





#59

2-Hexanone

Concen: 314.075 ug/l

RT: 9.60 min Scan# 910

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 429186

Ion Ratio Lower Upper

43 100

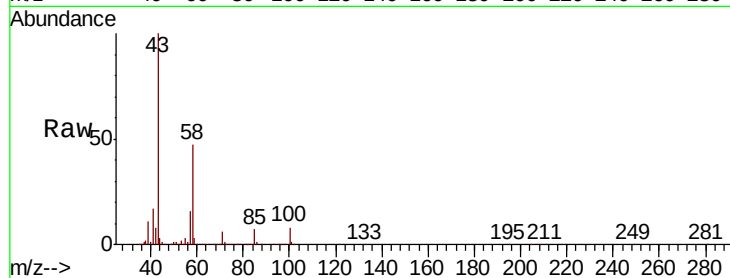
58 46.8 25.6 76.6

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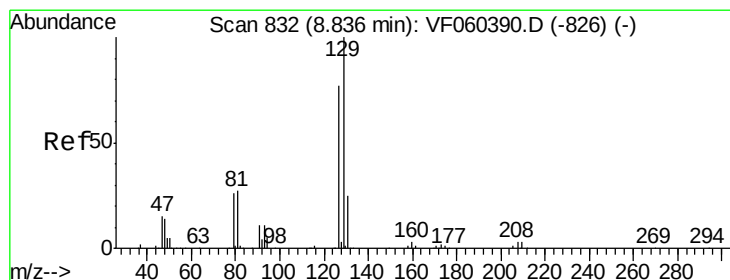
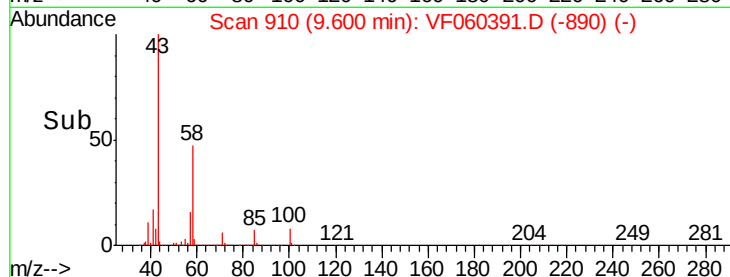
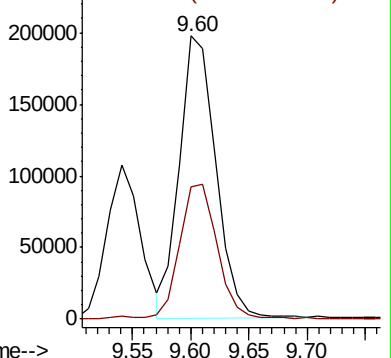
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 73.019 ug/l

RT: 8.84 min Scan# 833

Delta R.T. 0.01 min

Lab File: VF060391.D

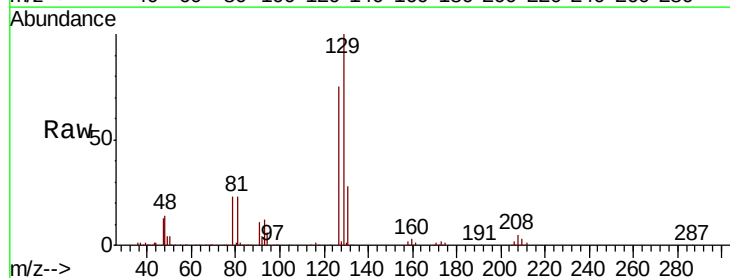
Acq: 1 Oct 2018 19:09

Tgt Ion: 129 Resp: 242282

Ion Ratio Lower Upper

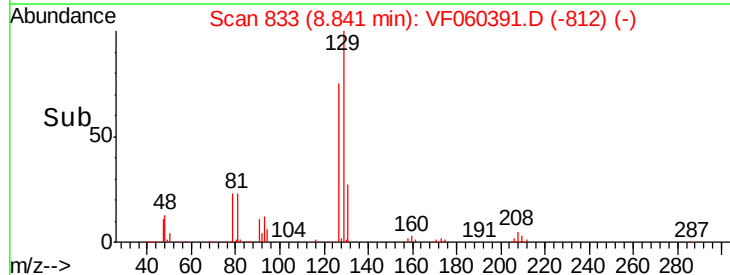
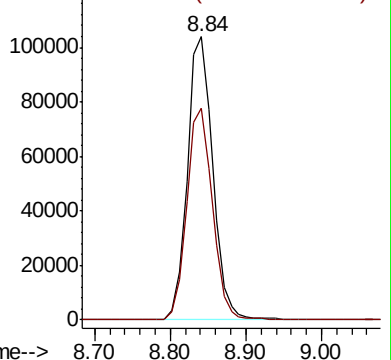
129 100

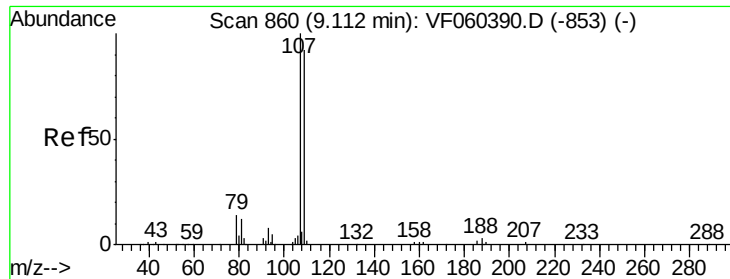
127 75.0 38.3 114.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 71.388 ug/l

RT: 9.11 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 176984

Ion Ratio Lower Upper

107 100

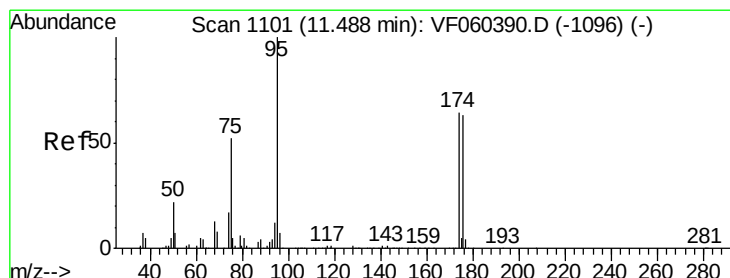
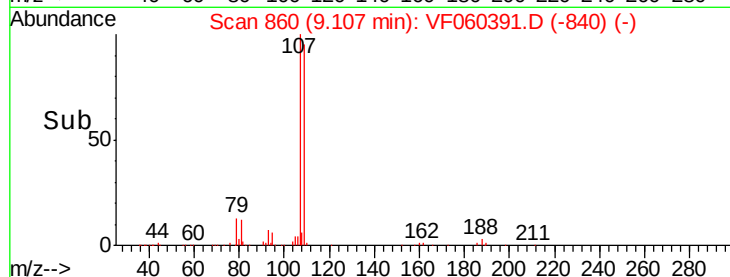
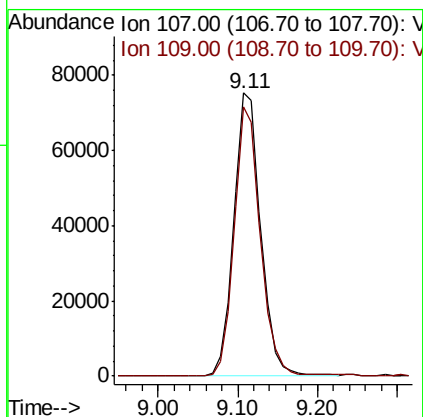
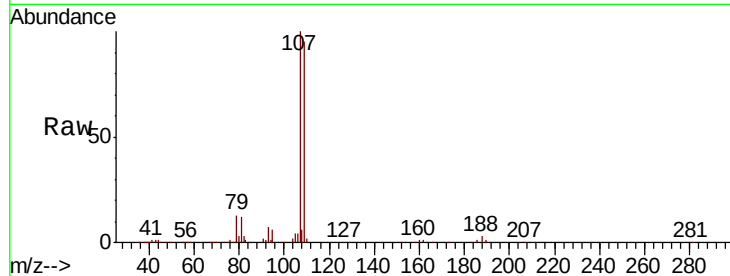
109 95.2 73.7 110.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 73.141 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

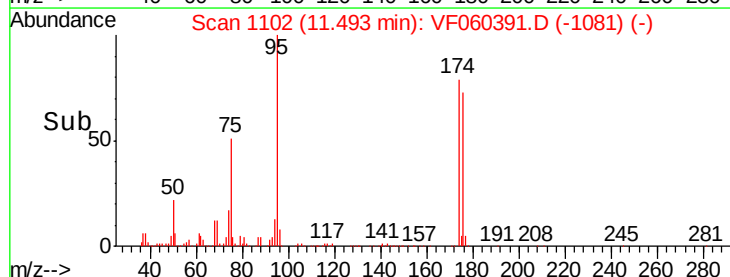
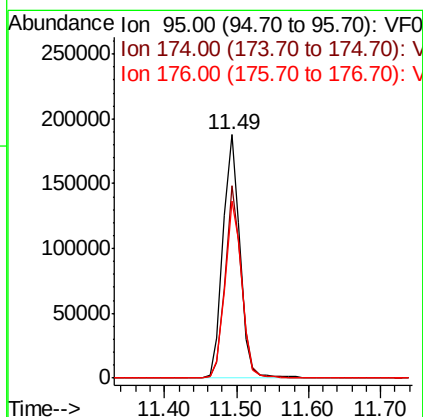
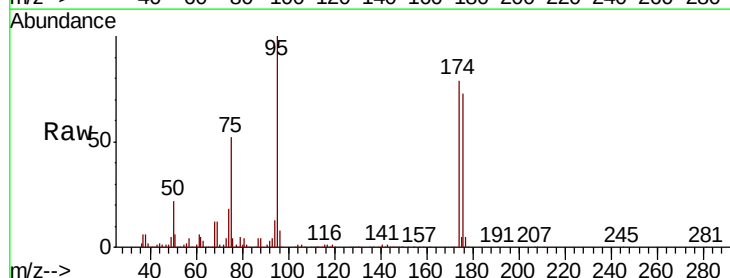
Tgt Ion: 95 Resp: 305830

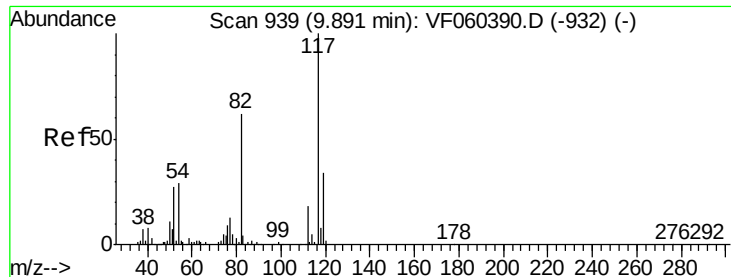
Ion Ratio Lower Upper

95 100

174 78.9 0.0 129.0

176 73.0 0.0 125.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

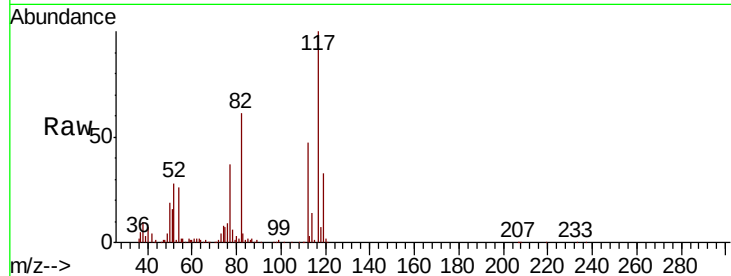
ClientSampleId :

VSTDIC075

Tot Ion:	117	Resp:	355463
Ion Ratio	Lower	Upper	
117	100		
82	61.1	49.5	74.3
119	33.5	27.0	40.6

Manual Integrations
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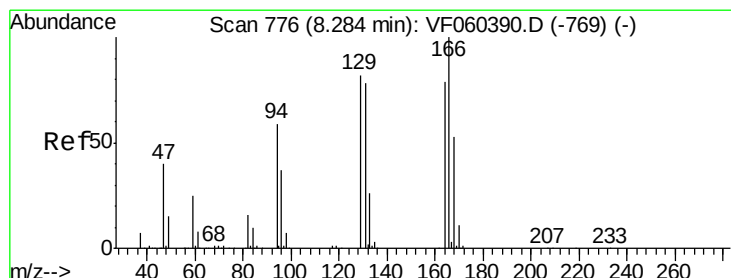
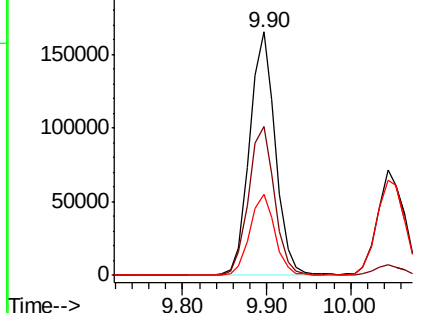
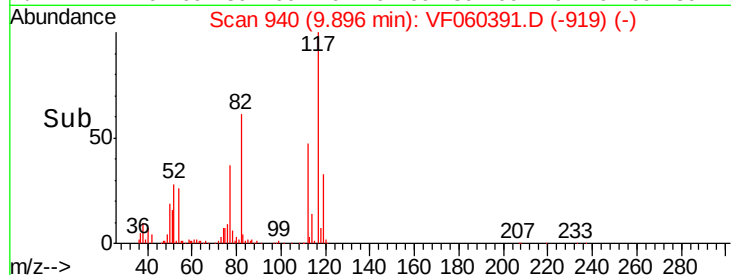
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 64.457 ug/l

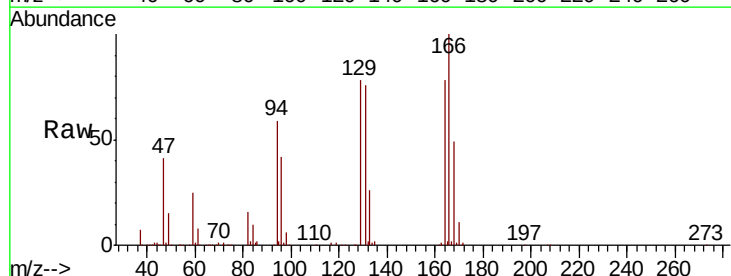
RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	164	Resp:	204539
Ion Ratio	Lower	Upper	
164	100		
166	128.8	101.0	151.6
129	100.1	82.5	123.7
131	97.8	79.2	118.8

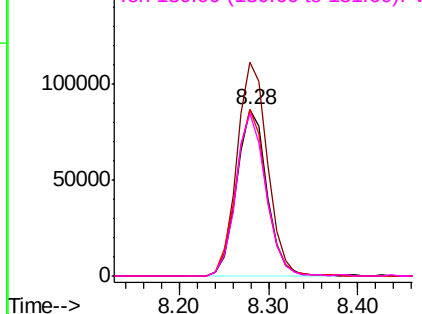
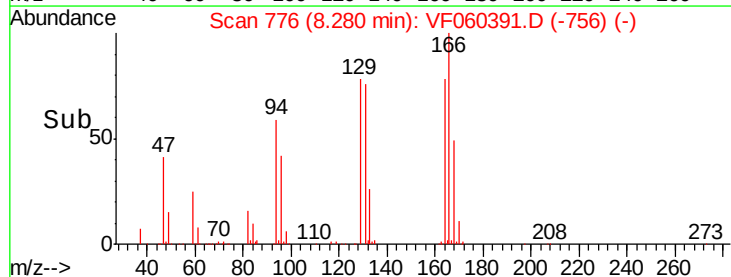


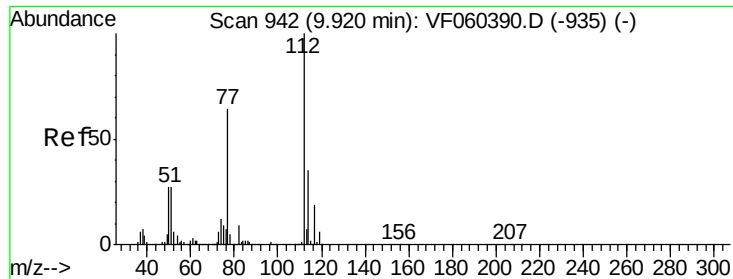
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





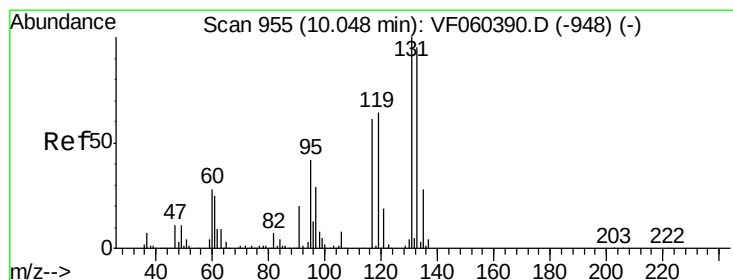
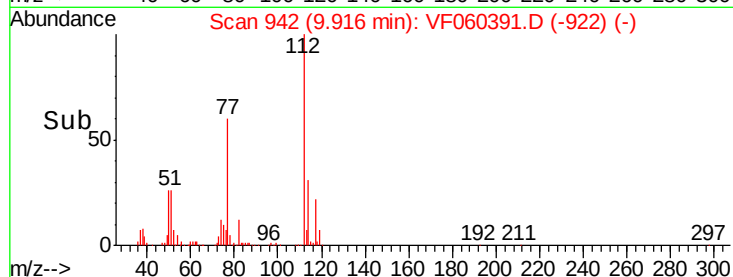
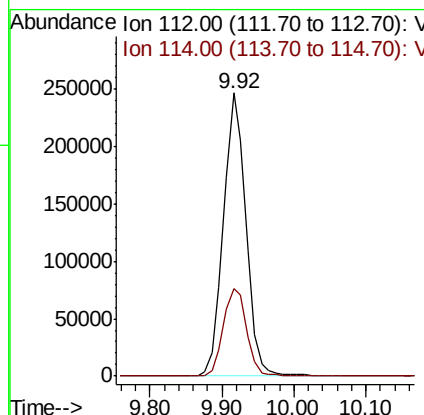
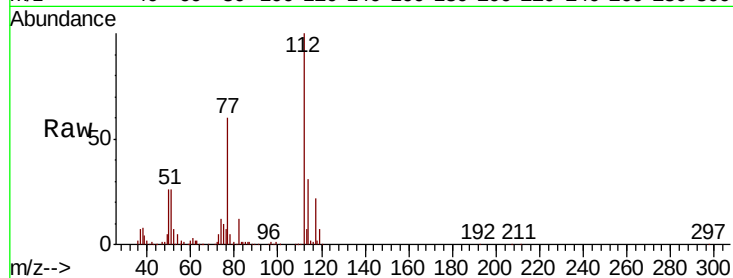
#65
Chlorobenzene
Concen: 66.875 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	27.7	41.5

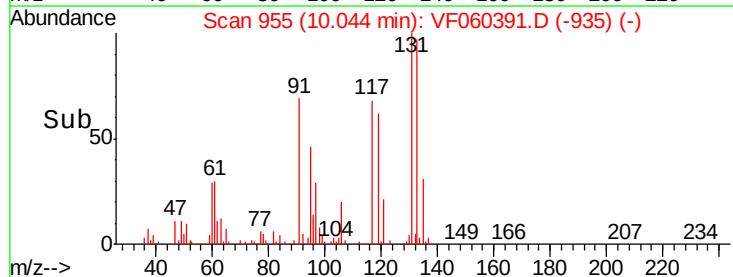
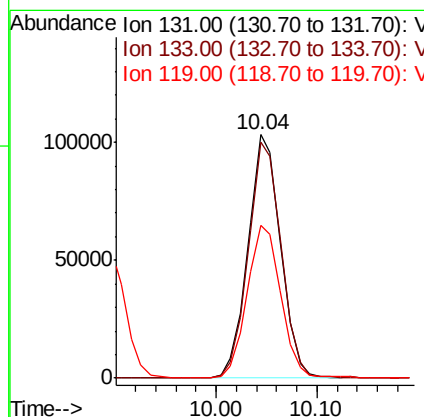
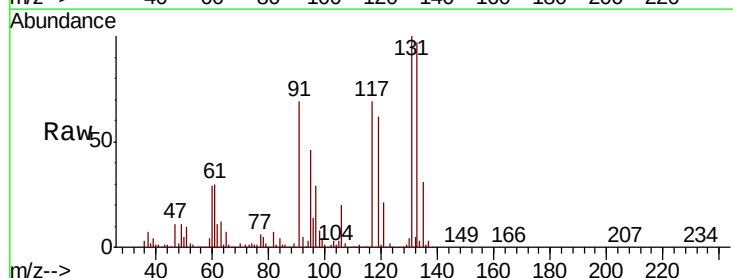
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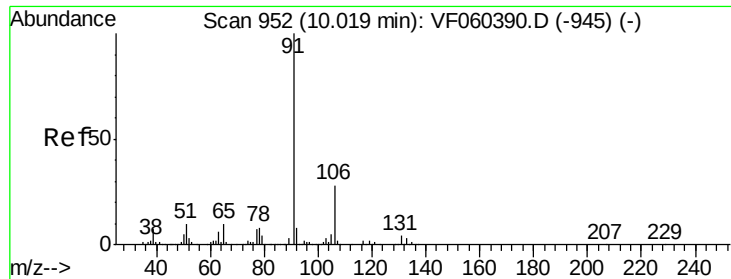
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#66
1,1,1,2-Tetrachloroethane
Concen: 69.345 ug/l
RT: 10.04 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	141.8
119	62.5	32.3	96.9





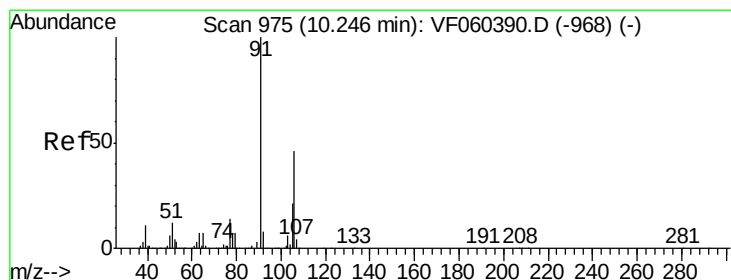
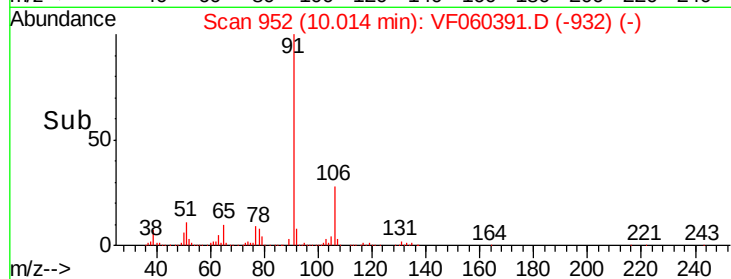
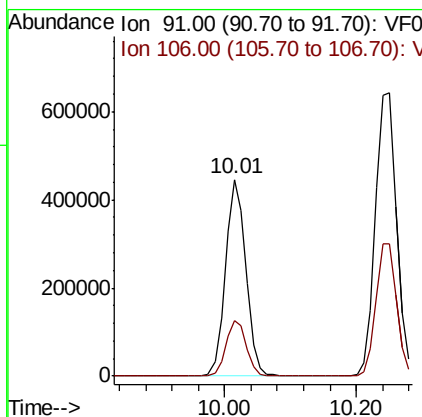
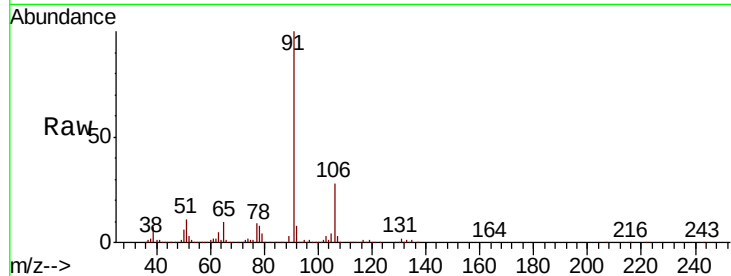
#67
Ethyl Benzene
Concen: 65.525 ug/l
RT: 10.01 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 969509
Ion Ratio Lower Upper
91 100
106 28.3 22.5 33.7

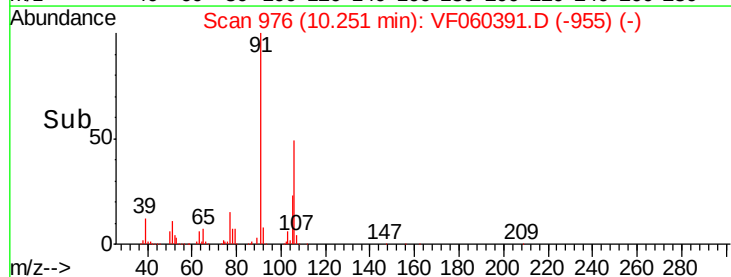
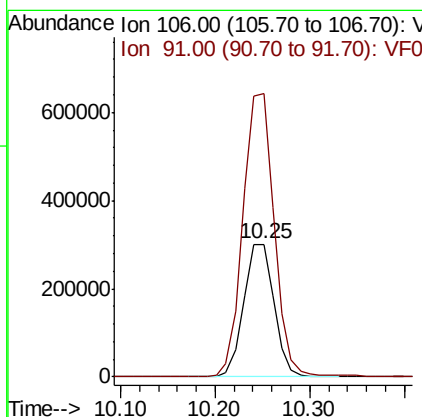
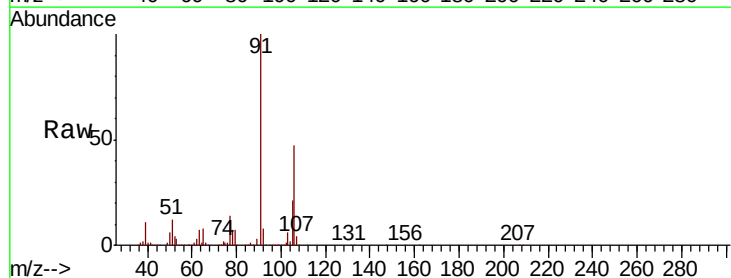
Manual Integrations
APPROVED

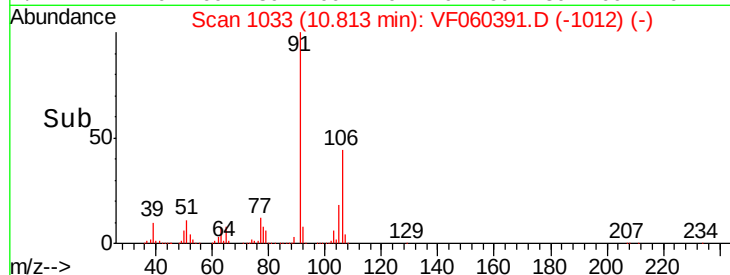
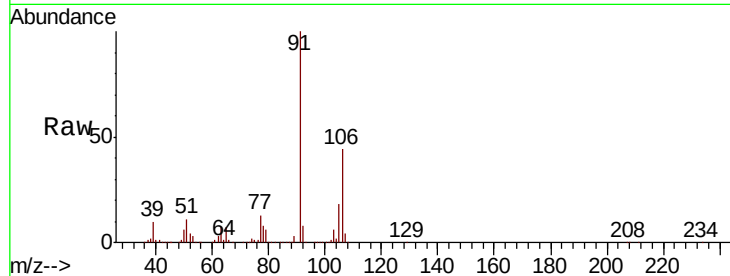
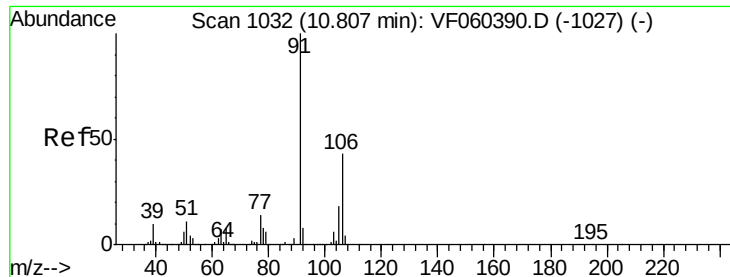
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#68
m/p-Xylenes
Concen: 131.575 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 106 Resp: 671985
Ion Ratio Lower Upper
106 100
91 213.5 175.0 262.6





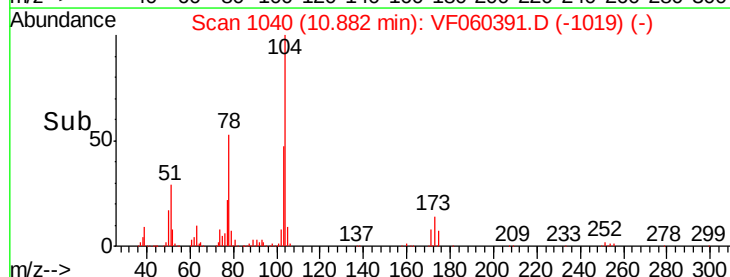
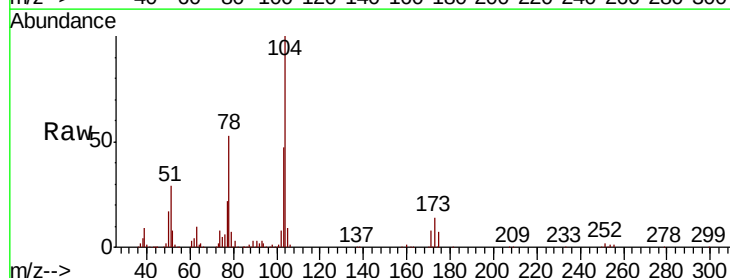
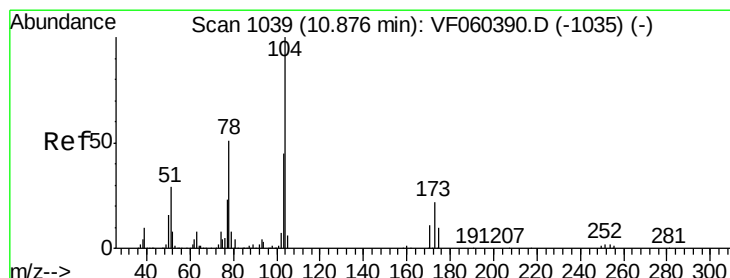
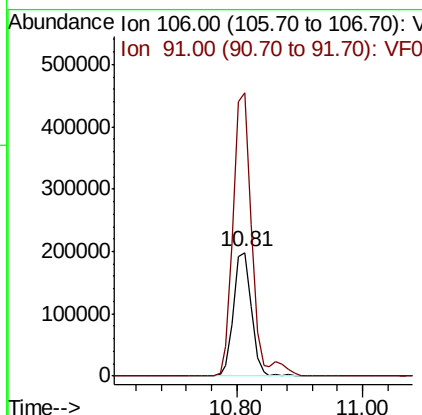
#69
o-Xylene
Concen: 67.653 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tot Ion:106 Resp: 386688
Ion Ratio Lower Upper
106 100
91 229.1 115.1 345.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

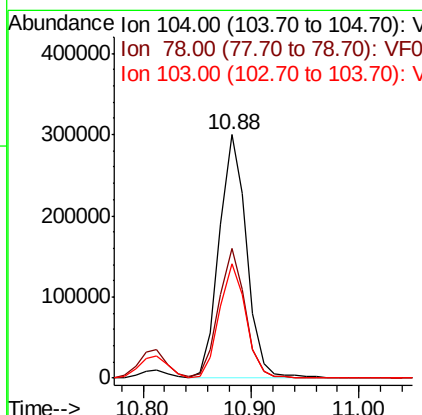
Manual Integrations
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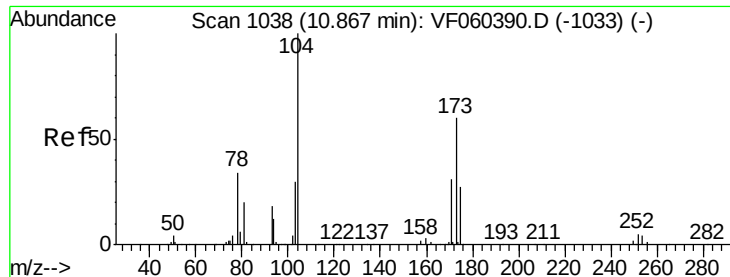
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#70
Styrene
Concen: 65.258 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion:104 Resp: 524620
Ion Ratio Lower Upper
104 100
78 53.1 41.0 61.4
103 47.1 36.4 54.6





#71

Bromoform

Concen: 72.595 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

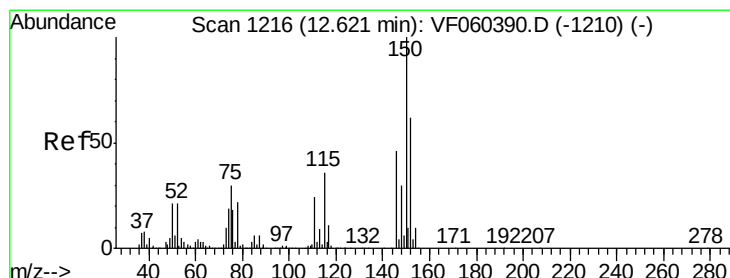
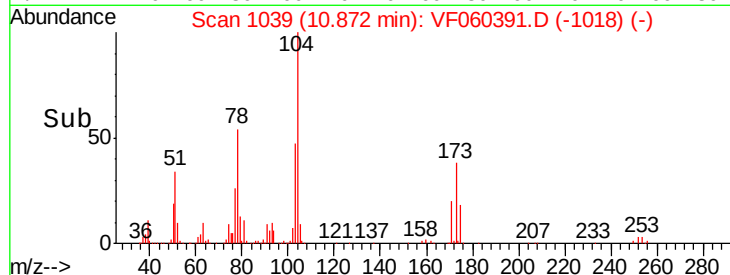
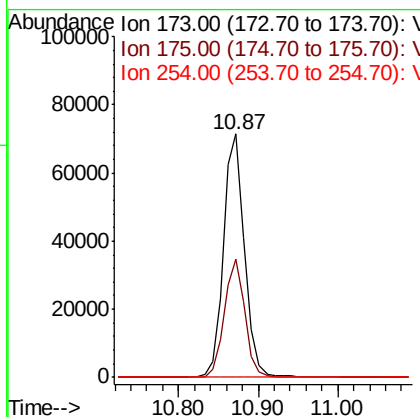
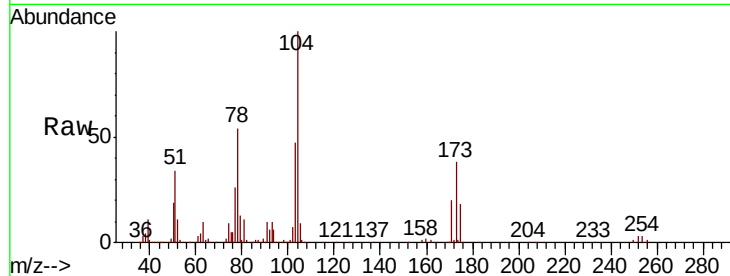
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	22.1	66.1
254	0.3	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

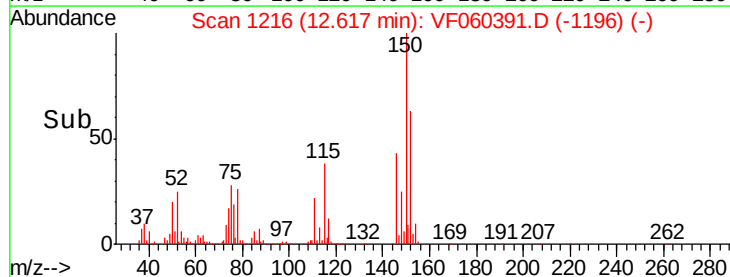
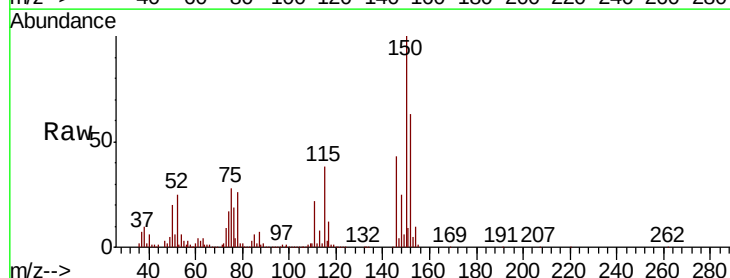
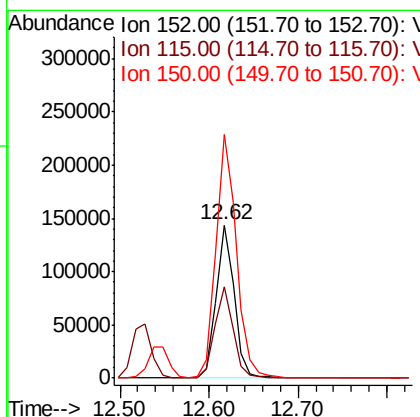
RT: 12.62 min Scan# 1216

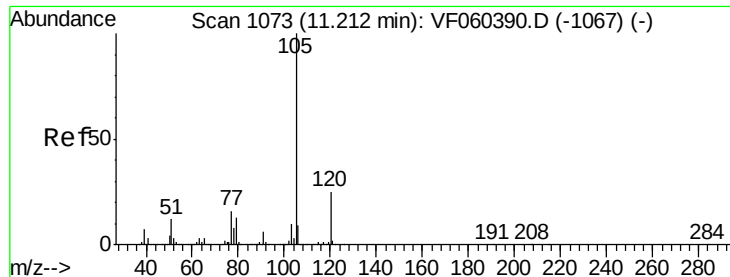
Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	28.6	85.8
150	158.8	0.0	324.6





#73

Isopropylbenzene

Concen: 62.476 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1126982

Ion Ratio Lower Upper

105 100

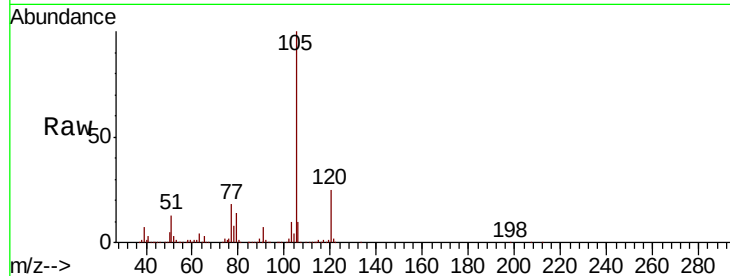
120 25.0 12.3 36.9

Manual Integrations

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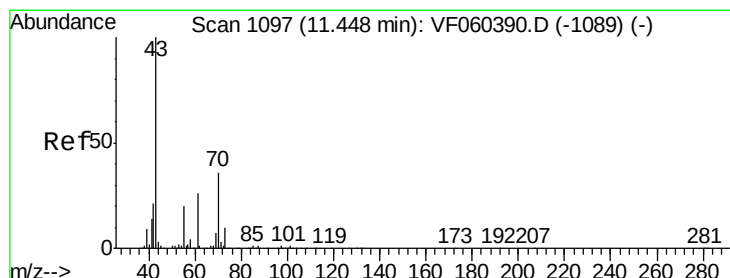
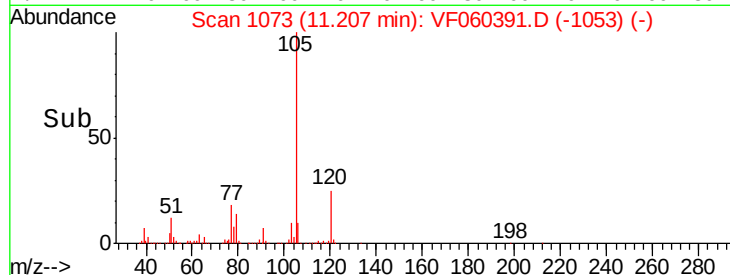
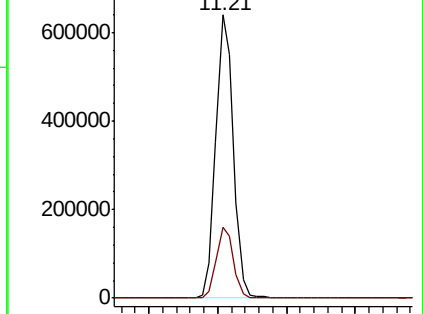
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 70.148 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion: 43 Resp: 274131

Ion Ratio Lower Upper

43 100

70 35.0 29.1 43.7

55 20.9 16.3 24.5

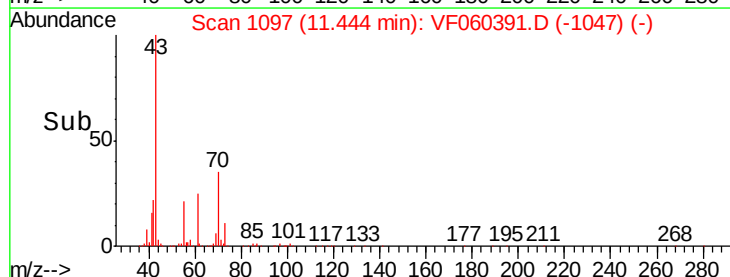
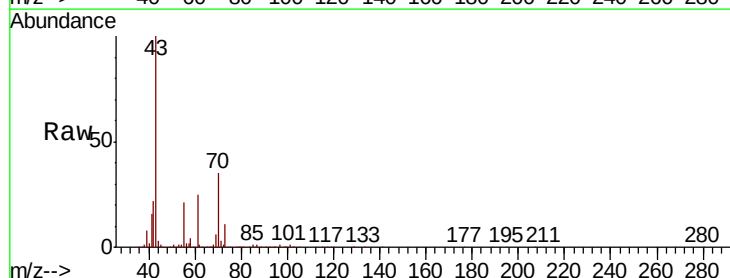
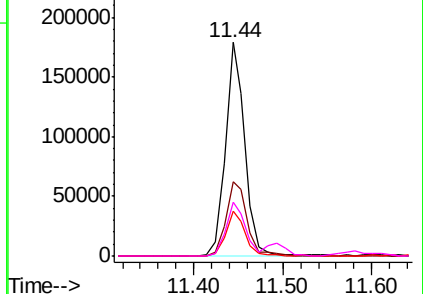
61 25.0 21.0 31.4

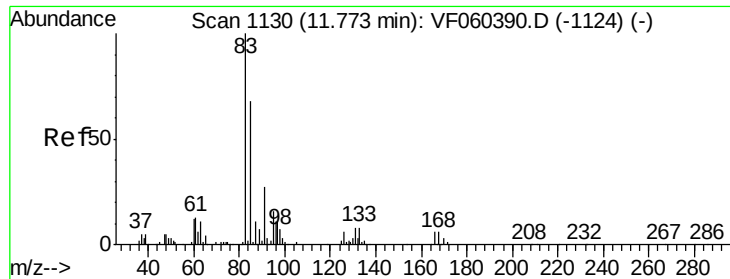
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 68.653 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

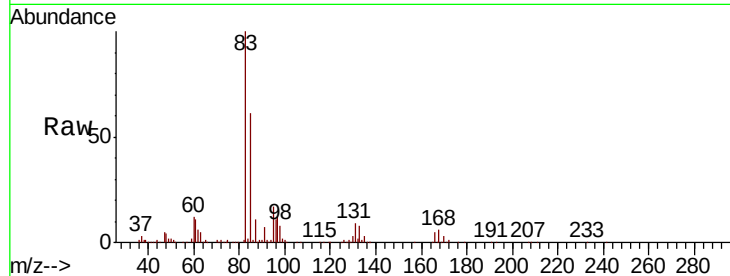
ClientSampleId :

VSTDIC075

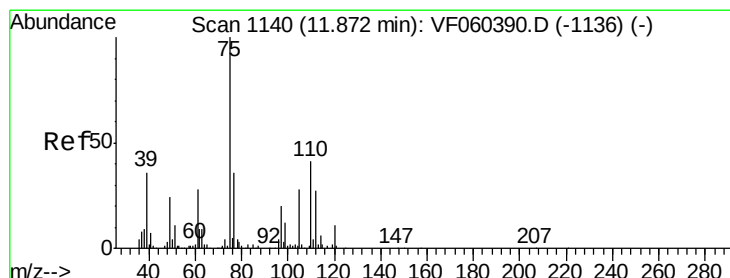
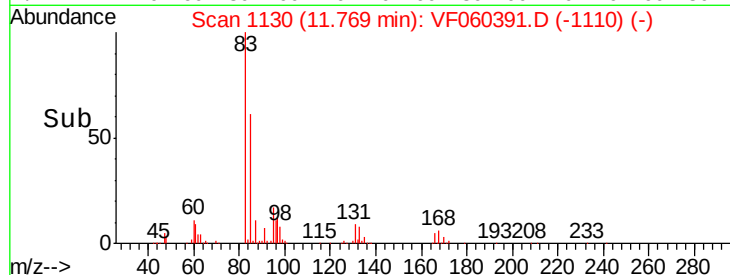
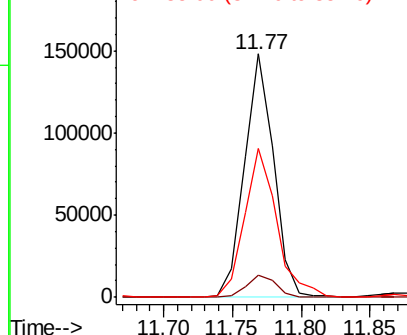
Tot Ion:	83	Resp:	219829
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.0	12.0
85	61.2	34.0	102.0

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 68.546 ug/l

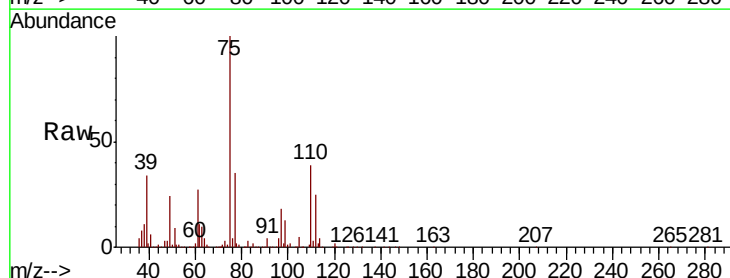
RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

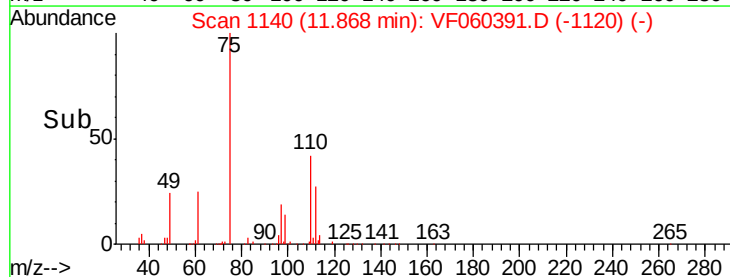
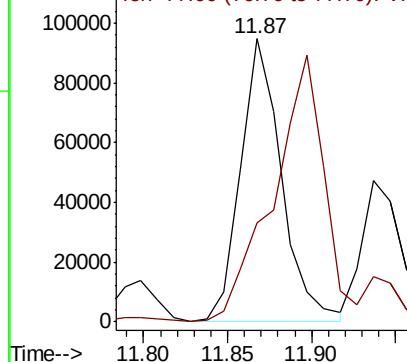
Lab File: VF060391.D

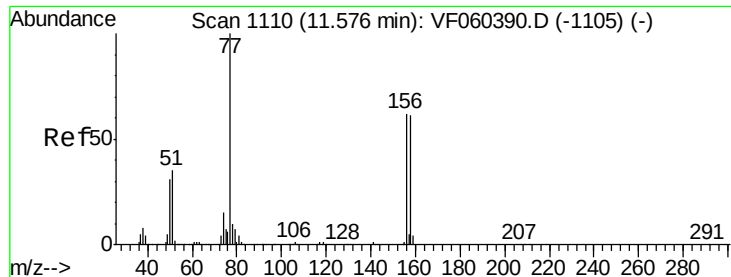
Acq: 1 Oct 2018 19:09

Tgt Ion:	75	Resp:	158795
Ion Ratio	Lower	Upper	
75	100		
77	35.1	18.1	54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 62.103 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

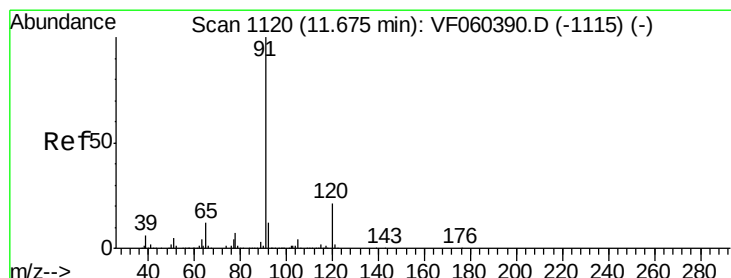
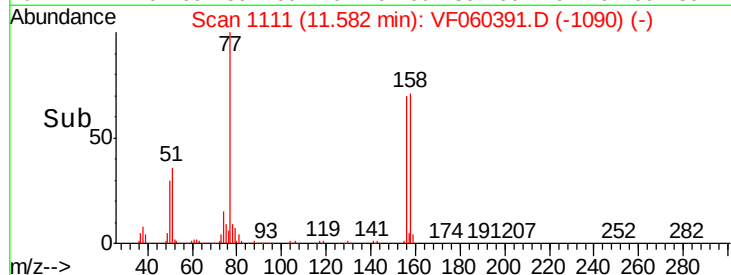
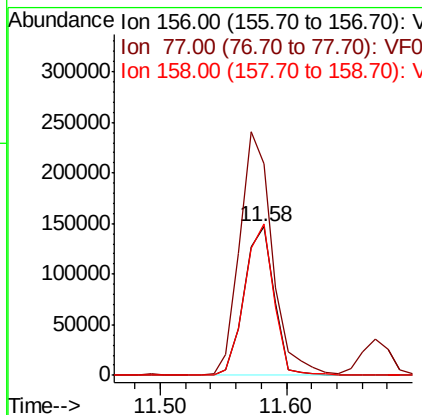
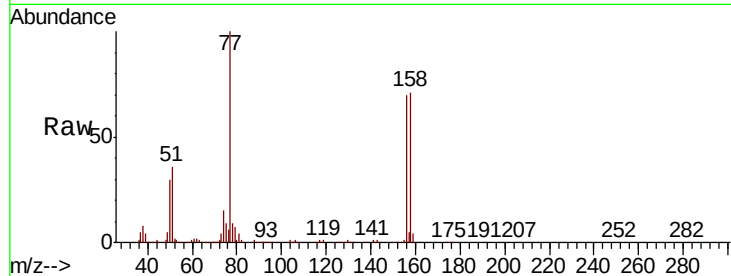
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	143.0	81.3	243.9	
158	102.0	49.6	149.0	

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#78

n-propylbenzene

Concen: 59.811 ug/l

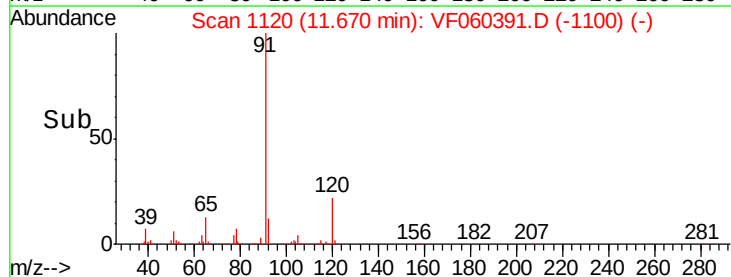
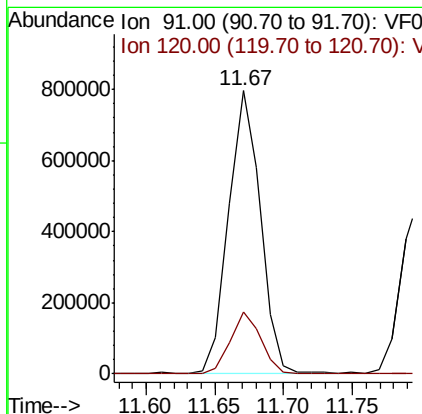
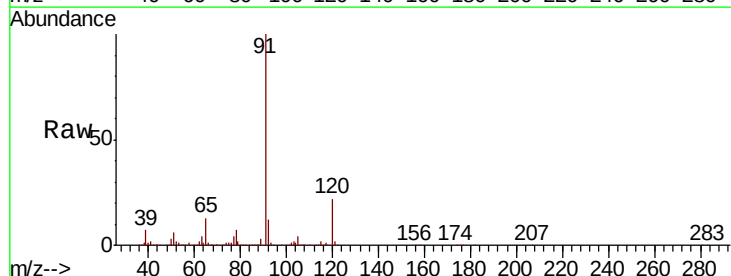
RT: 11.67 min Scan# 1120

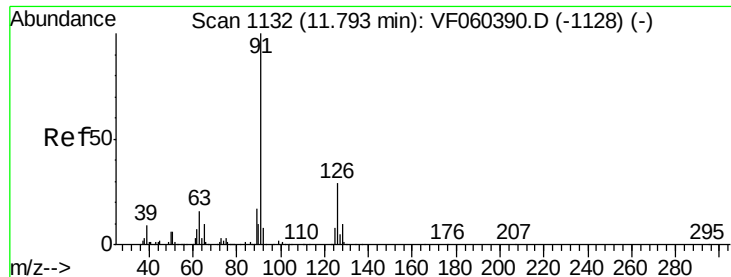
Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.5	31.6	





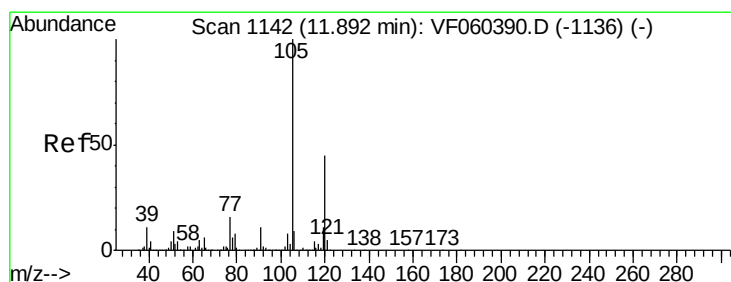
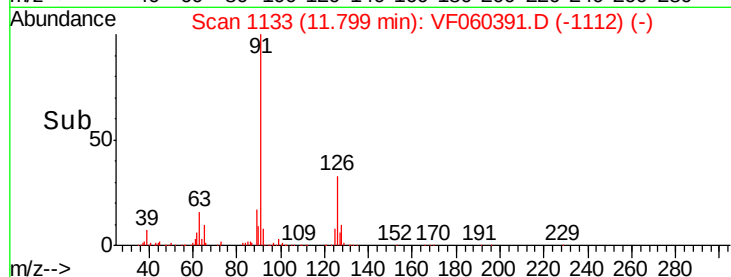
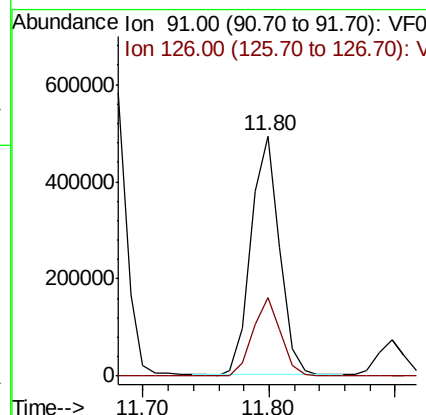
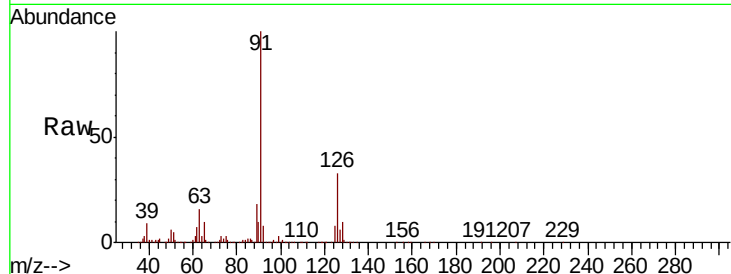
#79
 2-Chlorotoluene
 Concen: 62.234 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	14.4	43.4

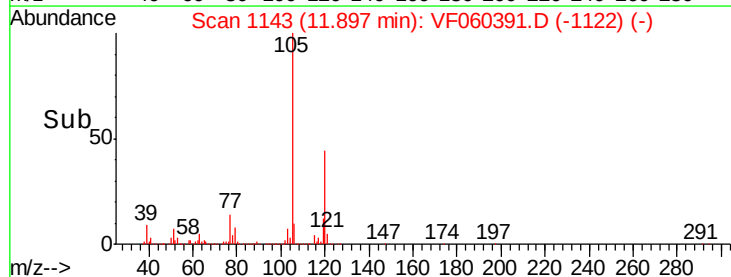
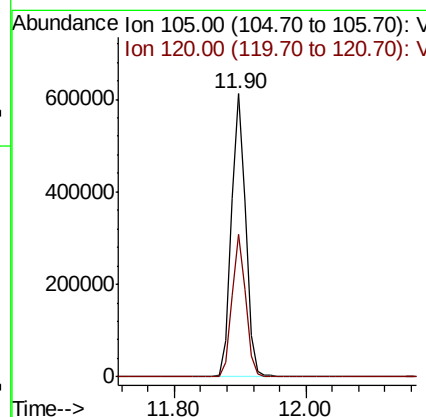
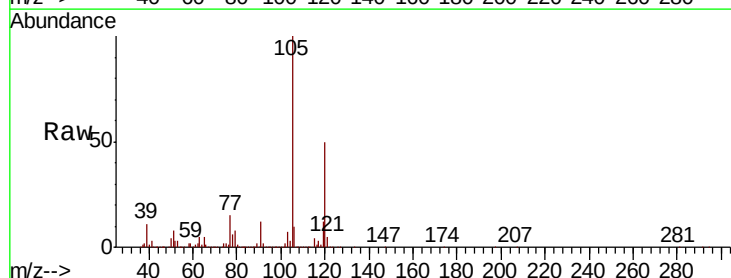
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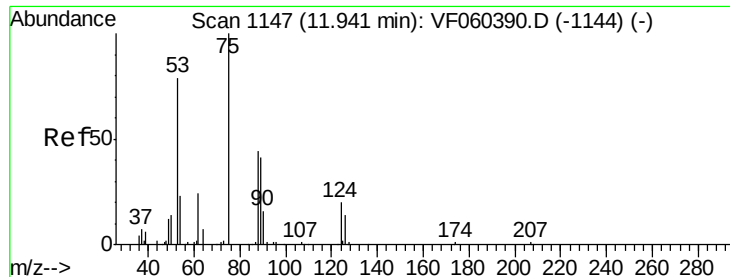
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#80
 1,3,5-Trimethylbenzene
 Concen: 64.182 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	22.3	66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 60.006 ug/l m

RT: 11.94 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Instrument :

MSVOA_F

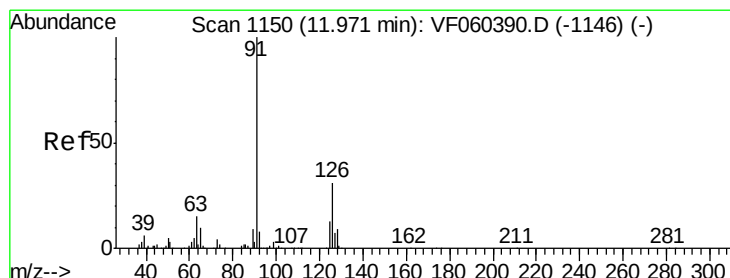
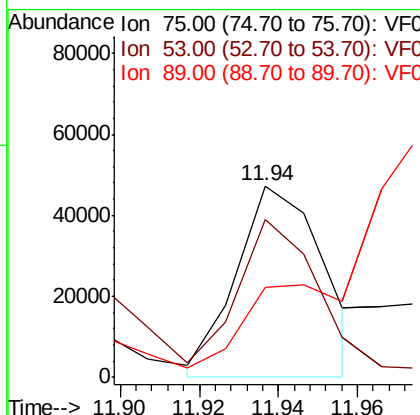
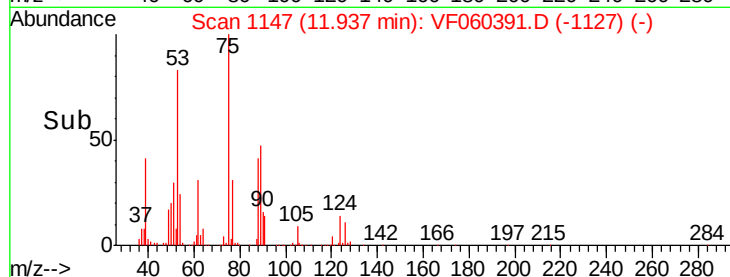
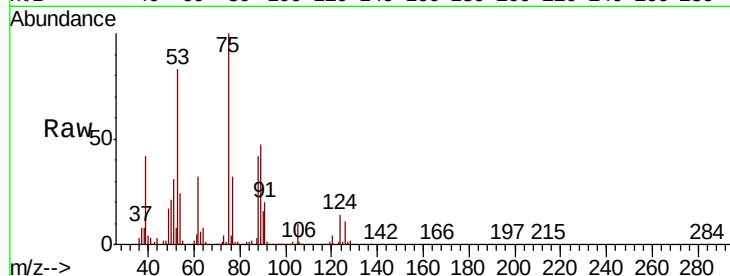
ClientSampleId :

VSTDIC075

Tot Ion:	75	Resp:	72535
Ion	Ratio	Lower	Upper
75	100		
53	82.7	67.8	101.8
89	47.4	36.7	55.1

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#82

4-Chlorotoluene

Concen: 63.665 ug/l

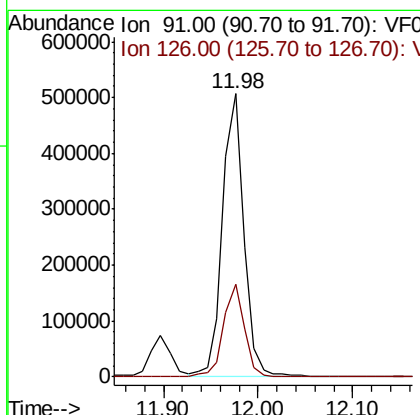
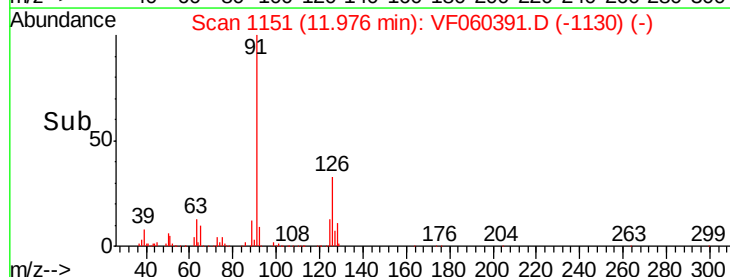
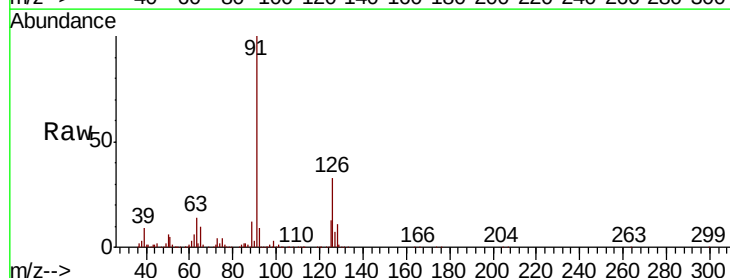
RT: 11.98 min Scan# 1151

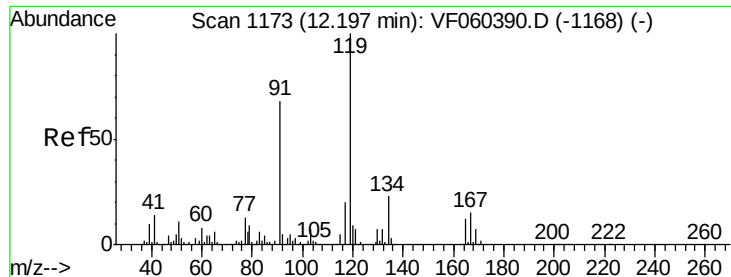
Delta R.T. 0.01 min

Lab File: VF060391.D

Acq: 1 Oct 2018 19:09

Tgt Ion:	91	Resp:	786754
Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.0





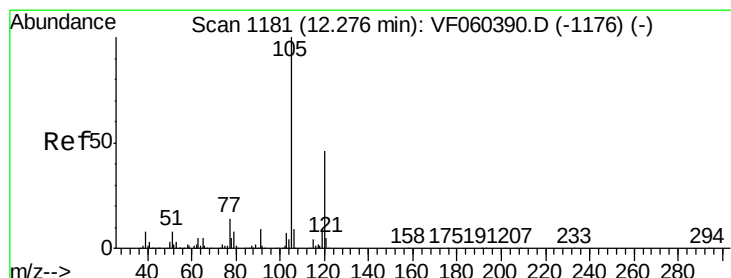
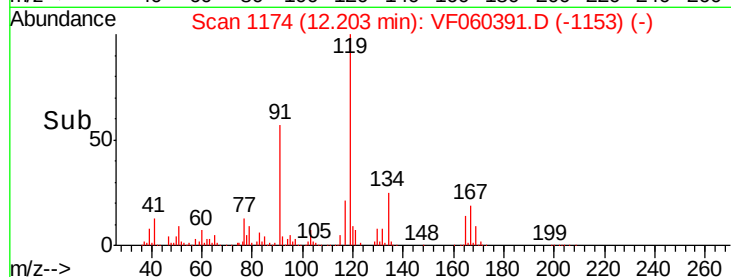
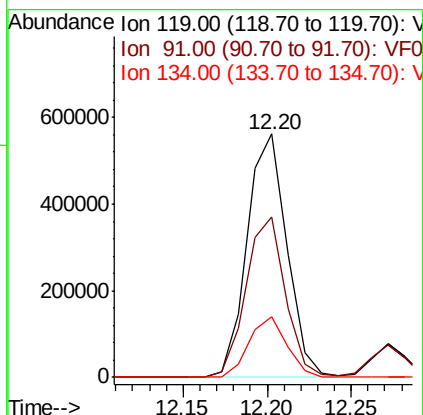
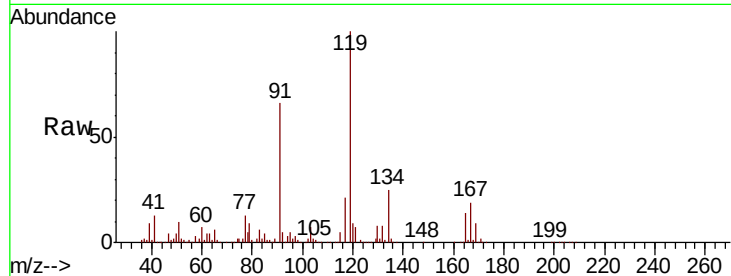
#83
 tert-Butylbenzene
 Concen: 61.941 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	34.0	102.0
134	25.0	11.7	35.0

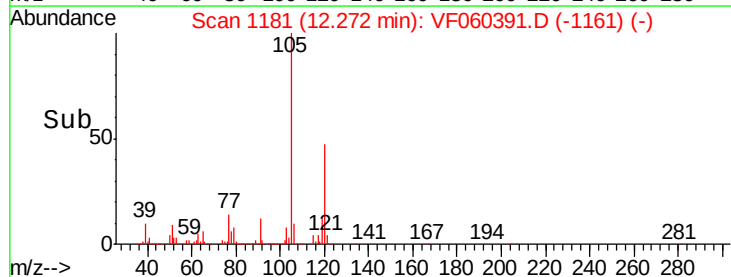
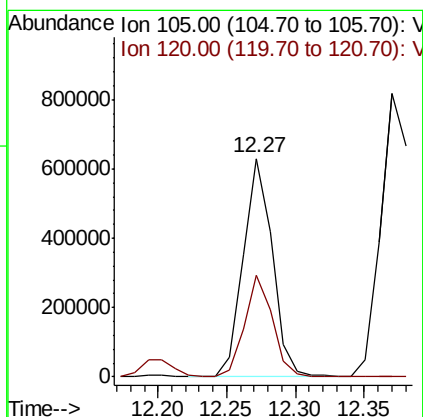
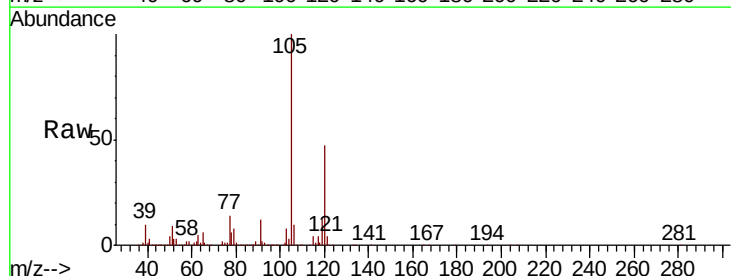
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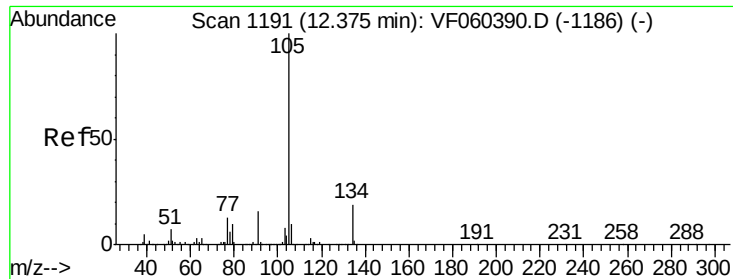
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#84
 1,2,4-Trimethylbenzene
 Concen: 62.755 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





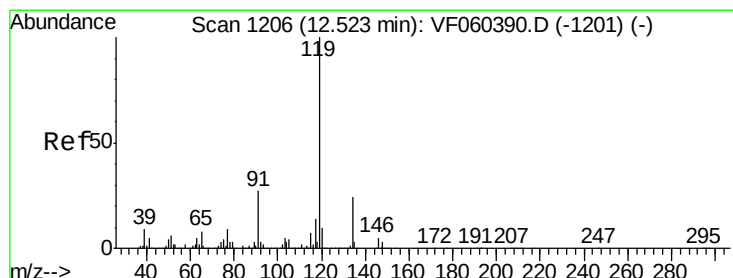
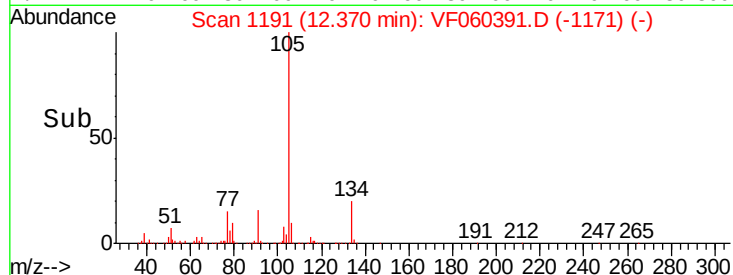
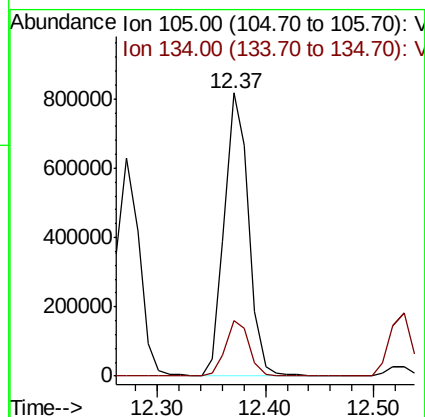
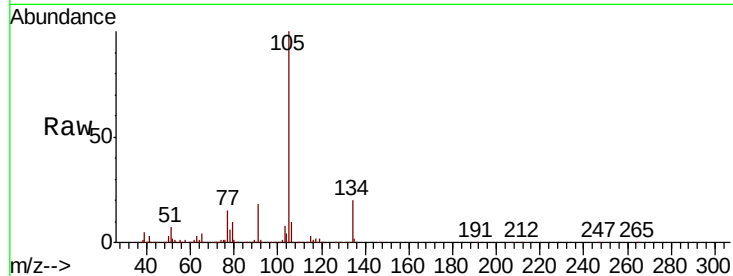
#85
 sec-Butylbenzene
 Concen: 62.187 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 1270143
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.3

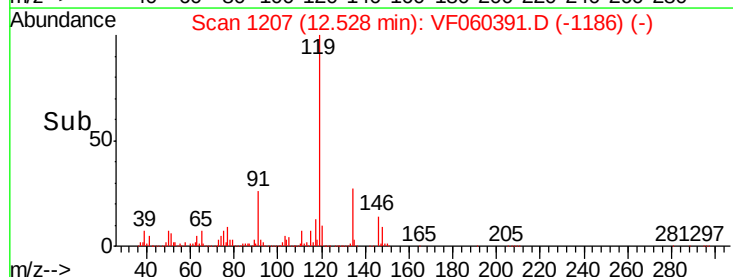
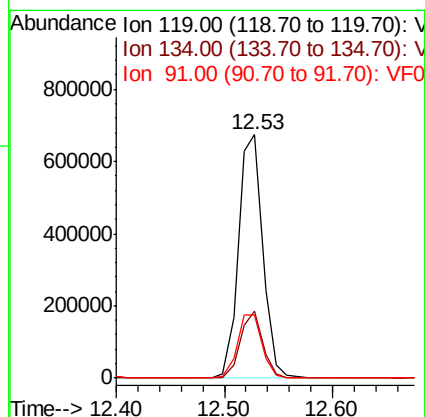
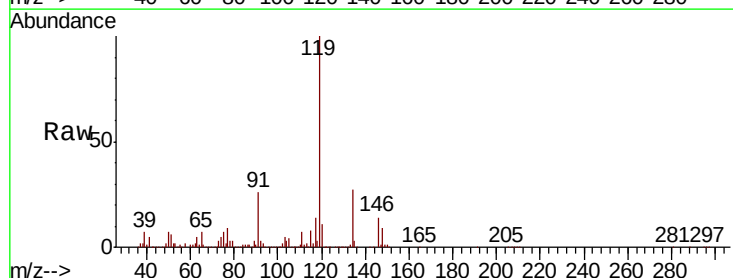
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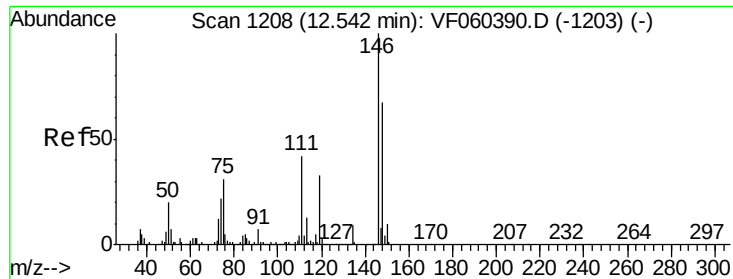
apatel
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#86
 p-Isopropyltoluene
 Concen: 64.676 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion:119 Resp: 1051312
 Ion Ratio Lower Upper
 119 100
 134 27.3 12.3 36.8
 91 25.9 13.5 40.4





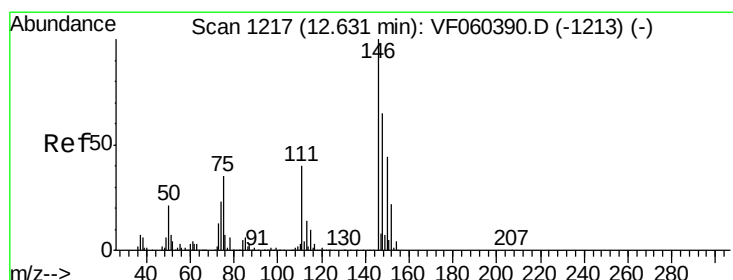
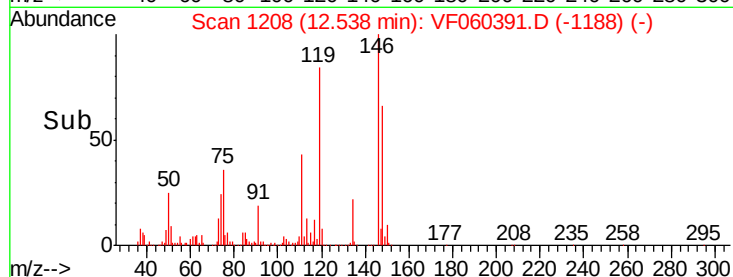
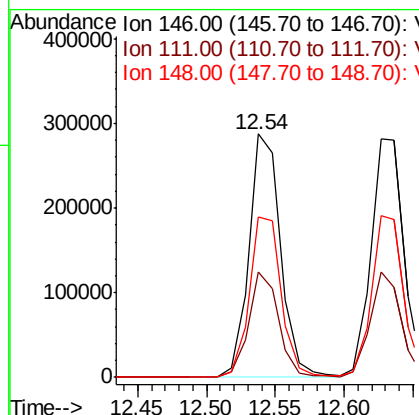
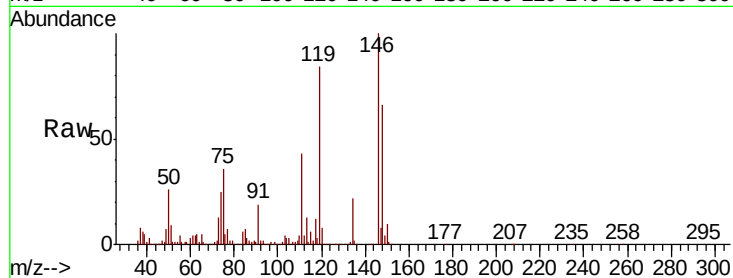
#87
 1,3-Dichlorobenzene
 Concen: 63.132 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.9	62.7
148	65.9	33.6	100.8

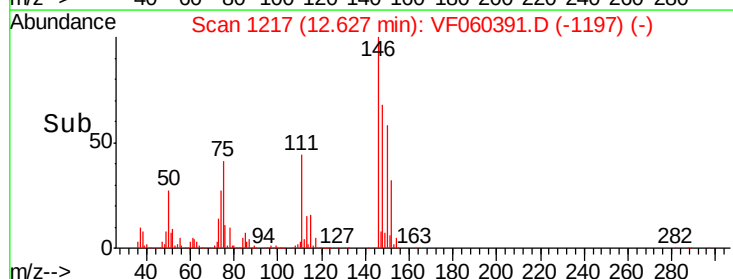
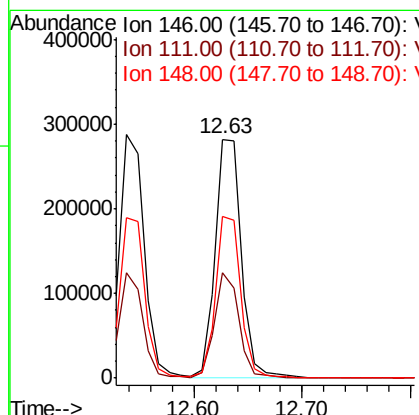
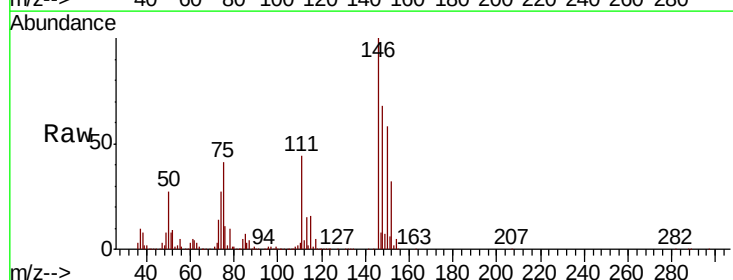
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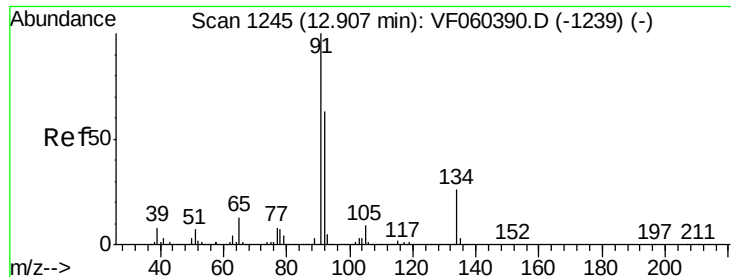
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#88
 1,4-Dichlorobenzene
 Concen: 65.259 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.2	60.6
148	67.6	32.6	97.8





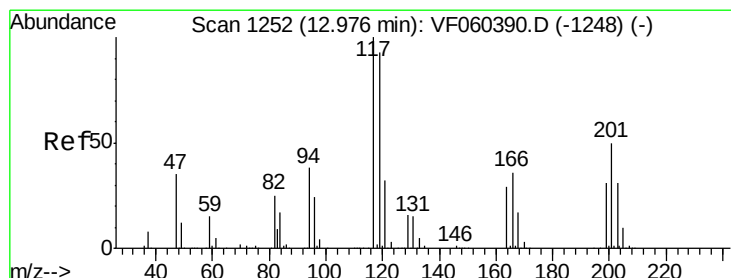
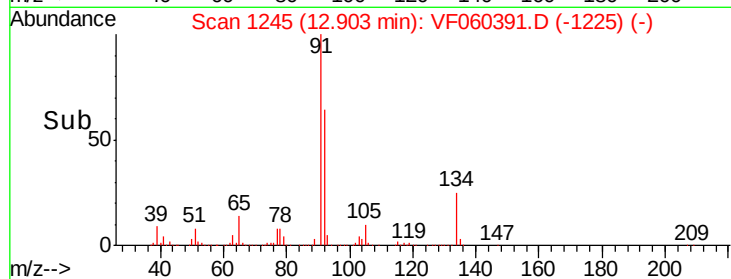
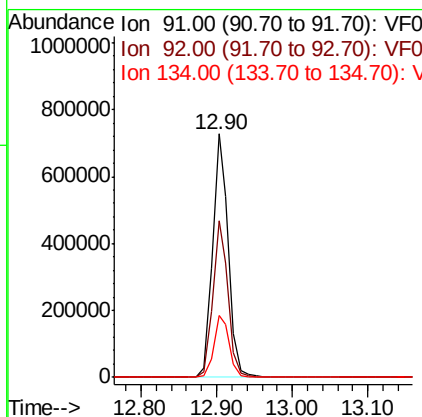
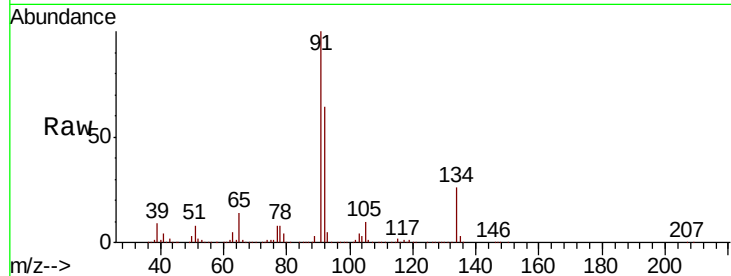
#89
n-Butylbenzene
Concen: 61.343 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1061981
Ion Ratio Lower Upper
91 100
92 64.4 31.3 93.9
134 25.5 13.0 38.9

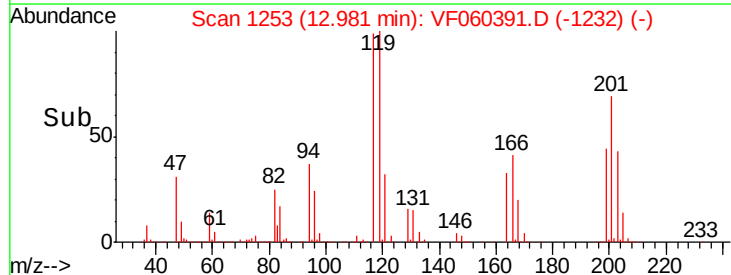
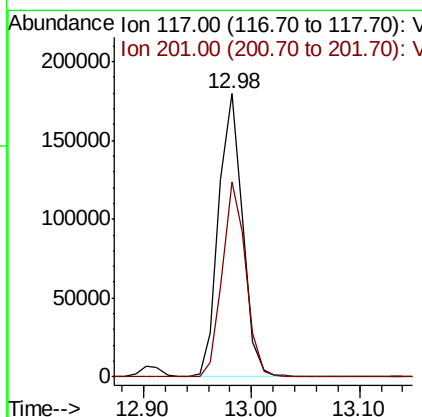
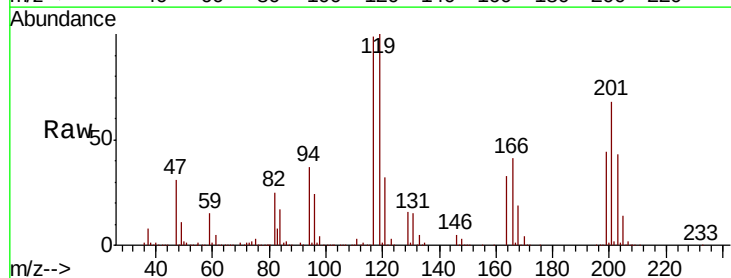
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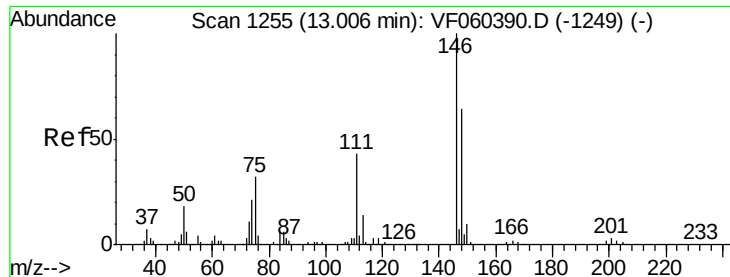
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#90
Hexachloroethane
Concen: 66.198 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion: 117 Resp: 276352
Ion Ratio Lower Upper
117 100
201 68.7 25.5 76.5





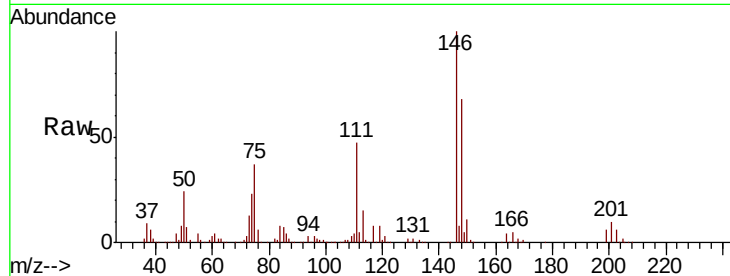
#91
 1,2-Dichlorobenzene
 Concen: 64.020 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

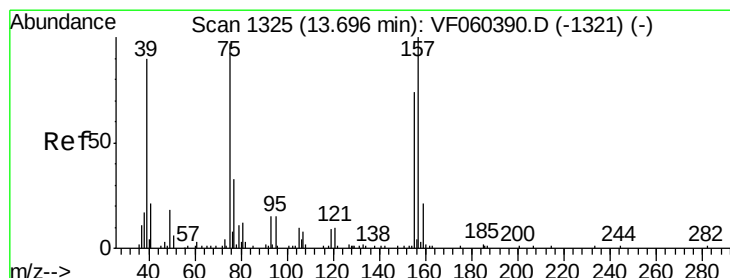
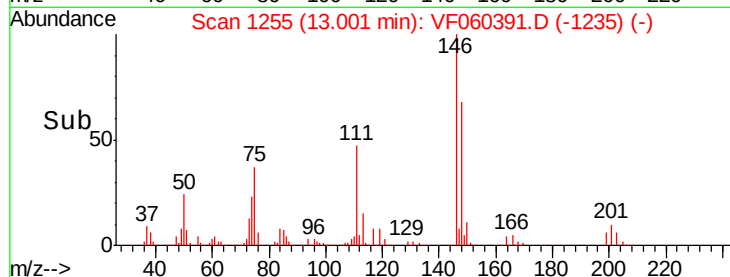
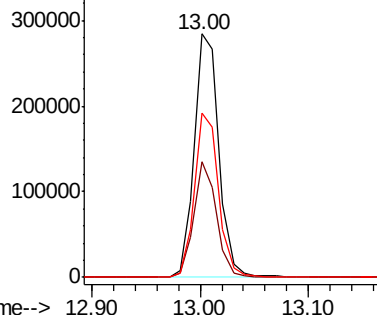
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.3	21.3	64.0
148	67.7	32.2	96.6

Manual Integrations
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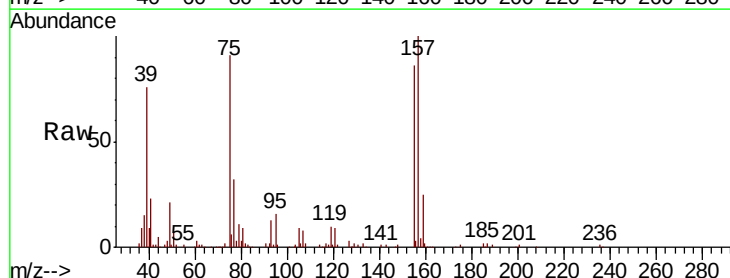


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

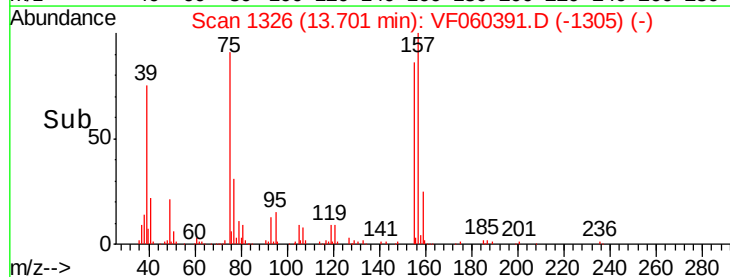
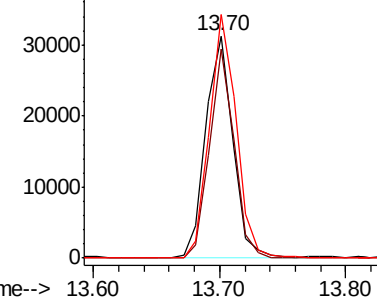


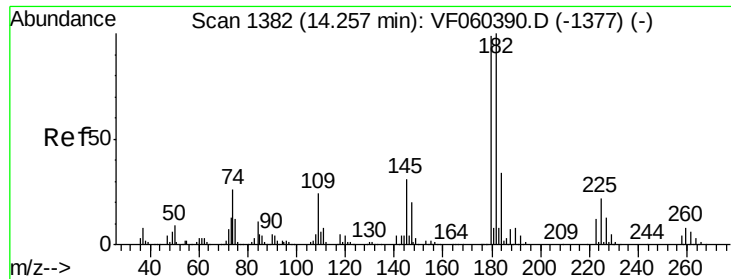
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.715 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	37.9	113.6
157	109.6	51.3	154.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





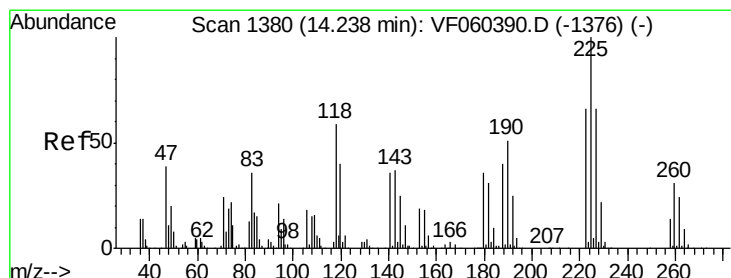
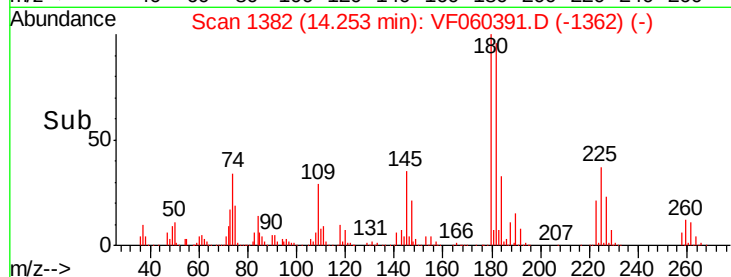
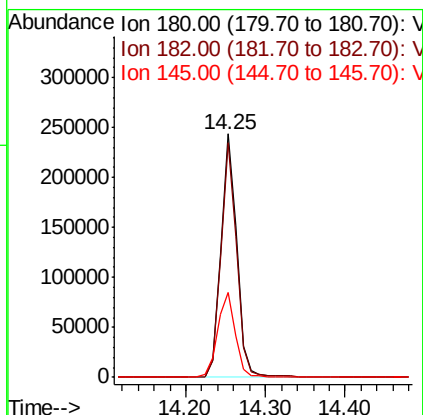
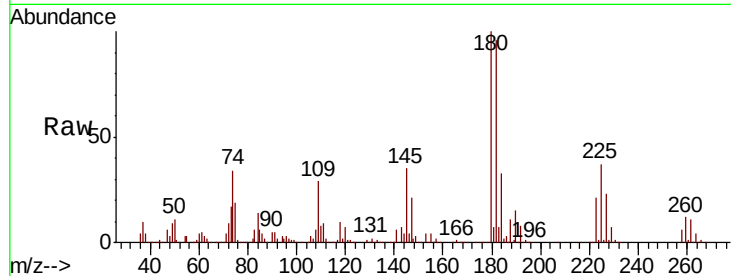
#93
 1,2,4-Trichlorobenzene
 Concen: 67.802 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	346700		
182	96.3	50.3	150.9	
145	34.9	15.5	46.5	

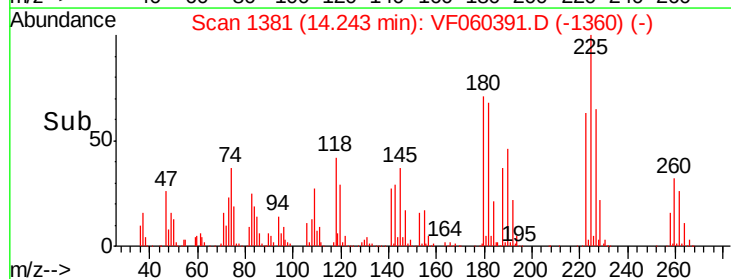
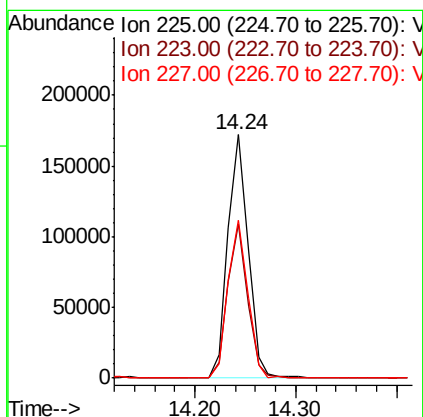
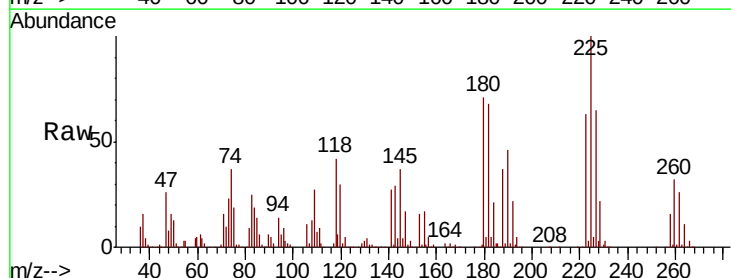
Manual Integrations
 APPROVED

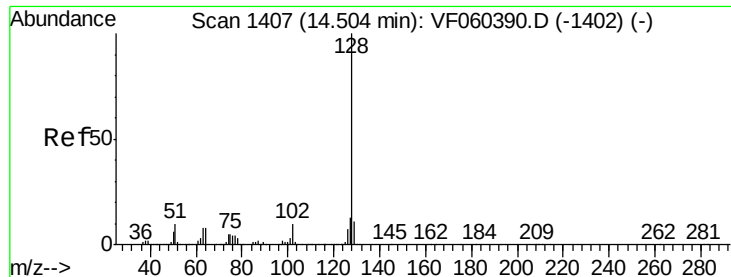
apatel
 10/2/2018 12:29:28 PM



#94
 Hexachlorobutadiene
 Concen: 69.782 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060391.D
 Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	240977		
223	63.3	32.8	98.4	
227	64.9	33.0	99.0	





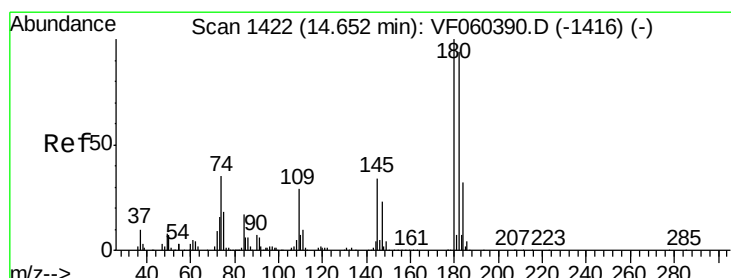
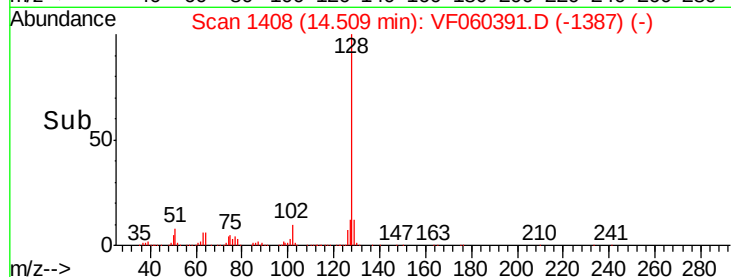
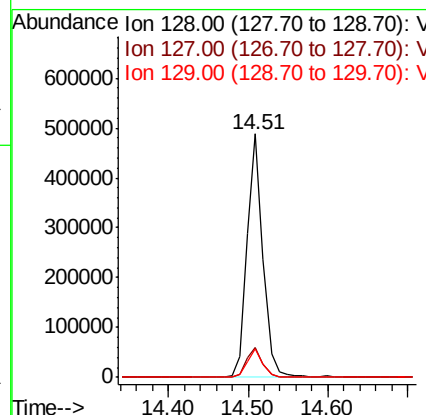
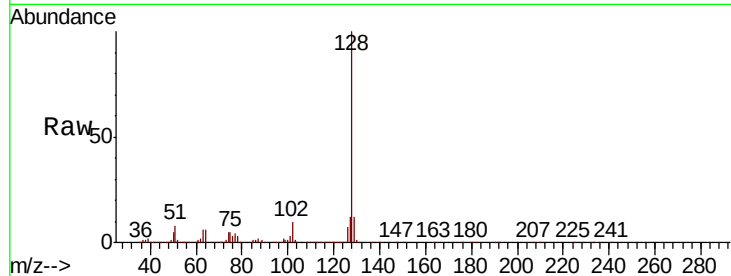
#95
Naphthalene
Concen: 74.725 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	11.5	8.7	13.1

Manual Integrations
APPROVED

apatel
10/2/2018 12:29:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 72.916 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060391.D
Acq: 1 Oct 2018 19:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.8	140.3
145	30.3	16.9	50.6

