

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060435.D
 Acq On : 4 Oct 2018 1:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:07:22 PM

Quant Time: Oct 04 07:20:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	309896	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	523670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	443031	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	225825	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	218058	44.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.94%	
35) Dibromofluoromethane	4.28	113	234525	47.67	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	7.70	98	586789	48.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.50	95	245183	44.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	279321	40.911	ug/l	93
3) Chloromethane	1.12	50	193220	45.916	ug/l	98
4) Vinyl Chloride	1.17	62	202092	46.166	ug/l	100
5) Bromomethane	1.36	94	153902	45.389	ug/l	100
6) Chloroethane	1.43	64	101192	46.322	ug/l	100
7) Trichlorofluoromethane	1.54	101	429661	42.304	ug/l	99
8) Diethyl Ether	1.69	74	64326	46.215	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212444	43.668	ug/l	96
10) Methyl Iodide	1.96	142	348875	47.024	ug/l	95
11) Tert butyl alcohol	2.67	59	65096	221.934	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	179220	47.678	ug/l	88
13) Acrolein	2.09	56	44981	190.691	ug/l	98
14) Allyl chloride	2.18	41	278019	46.158	ug/l	91
15) Acrylonitrile	3.06	53	137905	274.389	ug/l #	89
16) Acetone	2.33	43	205340	200.930	ug/l	97
17) Carbon Disulfide	1.89	76	526489	46.254	ug/l	99
18) Methyl Acetate	2.44	43	90456	49.620	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	423044	46.206	ug/l	96
20) Methylene Chloride	2.27	84	185578m	52.740	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	184051	49.025	ug/l	93
22) Diisopropyl ether	2.92	45	566275	51.796	ug/l	94
23) Vinyl Acetate	3.32	43	1071586	246.745	ug/l	97
24) 1,1-Dichloroethane	2.99	63	378009	51.129	ug/l	99
25) 2-Butanone	4.49	43	292620	233.051	ug/l	95
26) 2,2-Dichloropropane	3.75	77	183030	43.710	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	211120	50.296	ug/l	91
28) Bromochloromethane	3.87	49	137040	50.294	ug/l	95
29) Tetrahydrofuran	4.24	42	124138	262.687	ug/l	95
30) Chloroform	4.02	83	425559	46.648	ug/l	92
31) Cyclohexane	3.85	56	265229	49.960	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	345518	45.514	ug/l	96
36) 1,1-Dichloropropene	4.44	75	305162	47.265	ug/l	97
37) Ethyl Acetate	4.27	43	119719	48.422	ug/l	97
38) Carbon Tetrachloride	4.15	117	369351	46.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	330330	52.189	ug/l	91
40) Benzene	4.79	78	665446	51.918	ug/l	100
41) Methacrylonitrile	4.90	41	67350	51.376	ug/l	93
42) 1,2-Dichloroethane	5.10	62	267633	43.768	ug/l	98
43) Isopropyl Acetate	7.10	43	151603	50.739	ug/l	98
44) Trichloroethene	5.66	130	202576	49.258	ug/l	95
45) 1,2-Dichloropropane	6.39	63	181655	53.219	ug/l	95
46) Dibromomethane	6.24	93	122608	44.676	ug/l	88
47) Bromodichloromethane	6.53	83	310407	45.669	ug/l	96
48) Methyl methacrylate	6.86	41	99371	46.331	ug/l	93
49) 1,4-Dioxane	6.85	88	17441	943.120	ug/l #	76
51) 4-Methyl-2-Pentanone	8.39	43	523540	246.152	ug/l	92
52) Toluene	7.77	92	425393	48.863	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	241798	45.394	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	294916	47.373	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	128404	46.532	ug/l	93
56) Ethyl methacrylate	8.74	69	154704	49.337	ug/l	93
57) 1,3-Dichloropropane	8.98	76	221342	47.414	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	69801	217.928	ug/l	100
59) 2-Hexanone	9.62	43	360202	230.891	ug/l	97
60) Dibromochloromethane	8.85	129	190289	45.800	ug/l	95
61) 1,2-Dibromoethane	9.12	107	150590	49.873	ug/l	99
64) Tetrachloroethene	8.29	164	190016	53.954	ug/l	97
65) Chlorobenzene	9.93	112	477058	52.420	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	188511	47.440	ug/l	97
67) Ethyl Benzene	10.02	91	848573	49.039	ug/l	100
68) m/p-Xylenes	10.25	106	572602	96.260	ug/l	95
69) o-Xylene	10.81	106	323339	49.868	ug/l	100
70) Styrene	10.89	104	459224	49.792	ug/l	95
71) Bromoform	10.88	173	101329	47.896	ug/l	96
73) Isopropylbenzene	11.22	105	934988	52.584	ug/l	97
74) N-amyl acetate	11.45	43	233312	57.173	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	172216	53.125	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	124285	52.078	ug/l	95
77) Bromobenzene	11.58	156	206497	51.953	ug/l	93
78) n-propylbenzene	11.68	91	1105857	51.302	ug/l	98
79) 2-Chlorotoluene	11.81	91	636589	50.486	ug/l	90
80) 1,3,5-Trimethylbenzene	11.91	105	755779	50.029	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	52423m	49.553	ug/l	
82) 4-Chlorotoluene	11.99	91	647764	50.209	ug/l	92
83) tert-Butylbenzene	12.20	119	753145	50.546	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	745592	49.766	ug/l	100
85) sec-Butylbenzene	12.38	105	1055384	51.315	ug/l	100
86) p-Isopropyltoluene	12.53	119	888474	52.877	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	390544	52.216	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	372840	50.554	ug/l	97
89) n-Butylbenzene	12.91	91	874673	49.194	ug/l	99
90) Hexachloroethane	12.99	117	216592	49.874	ug/l	75
91) 1,2-Dichlorobenzene	13.01	146	363569	50.733	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	31886	50.738	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	273342	51.031	ug/l	97
94) Hexachlorobutadiene	14.25	225	183488	49.082	ug/l	95
95) Naphthalene	14.52	128	514873	53.762	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	257708	51.326	ug/l	99

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

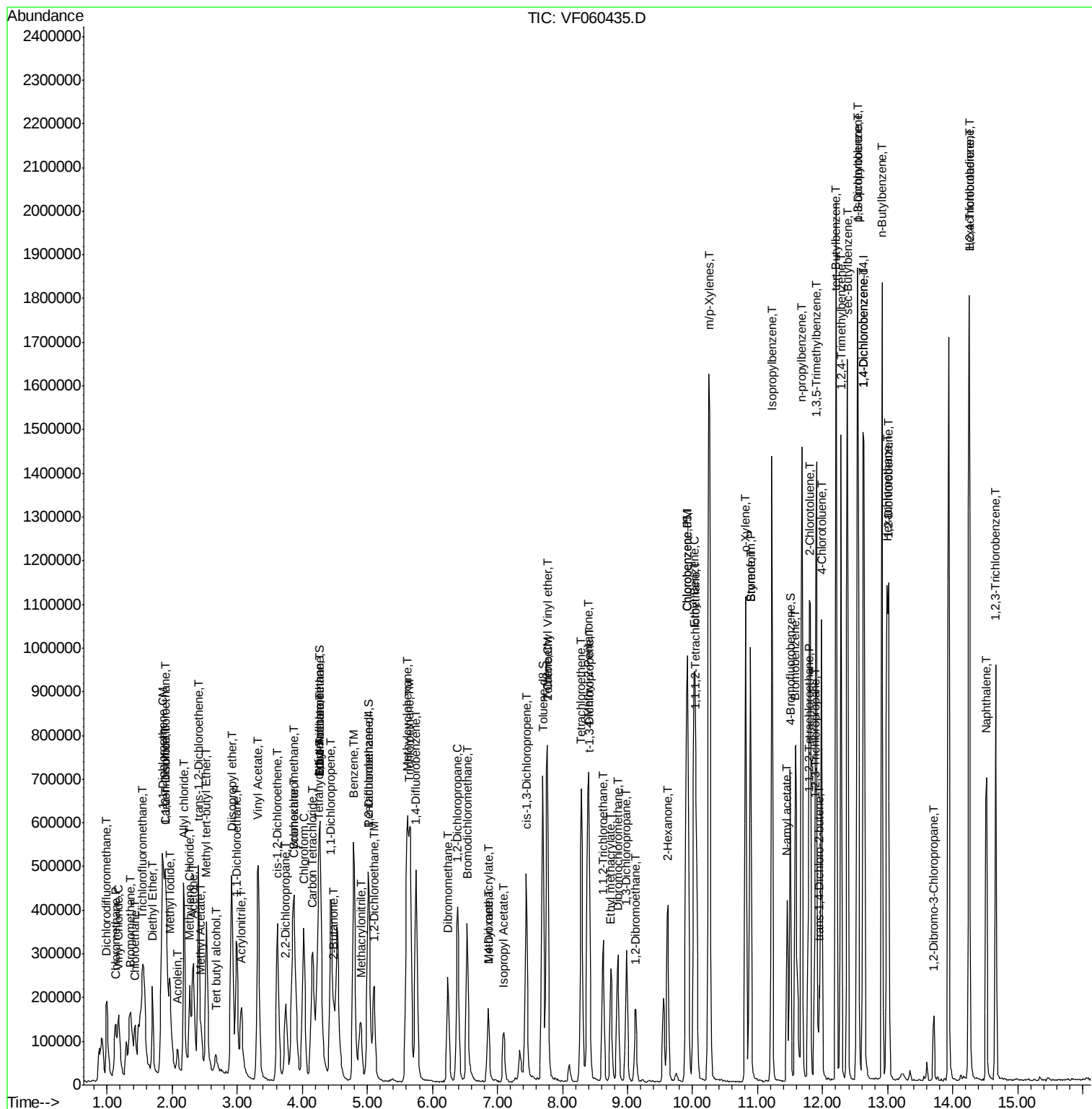
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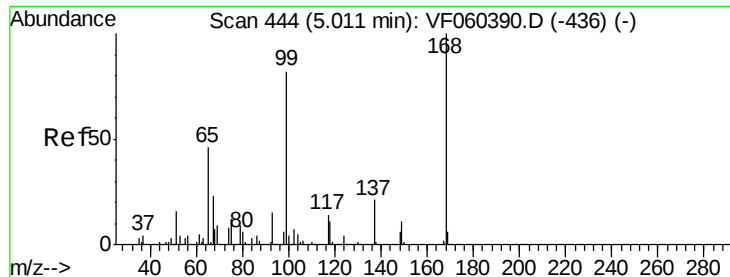
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 309896

Ion Ratio Lower Upper

168 100

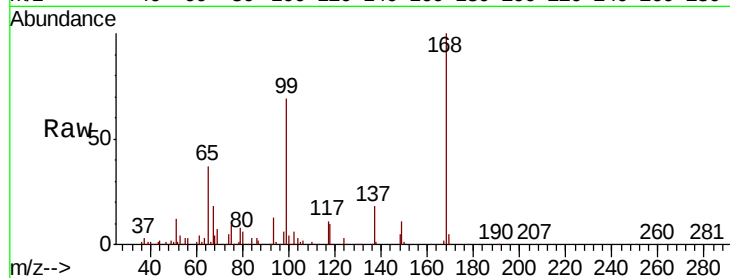
99 69.2 65.3 97.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

120000

100000

80000

60000

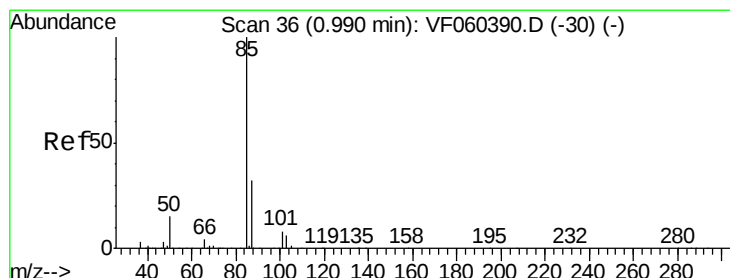
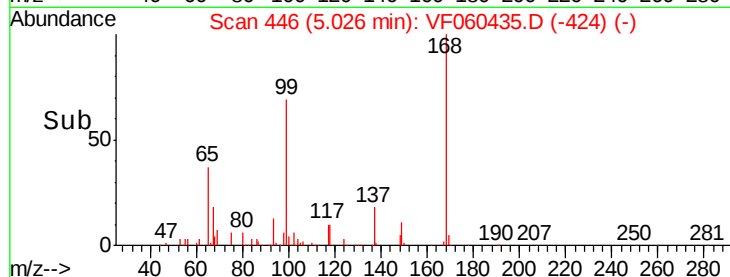
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 40.911 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060435.D

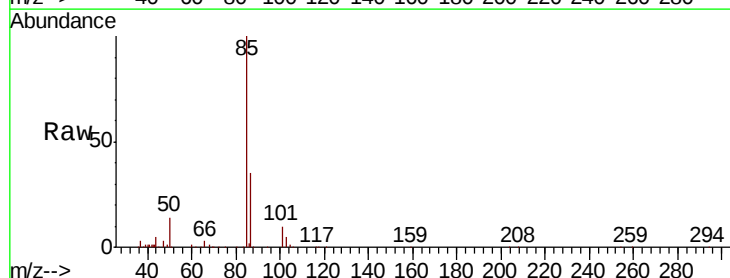
Acq: 4 Oct 2018 1:10

Tgt Ion: 85 Resp: 279321

Ion Ratio Lower Upper

85 100

87 35.4 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

120000

100000

80000

60000

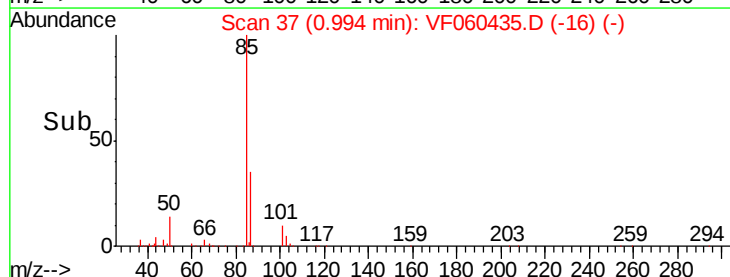
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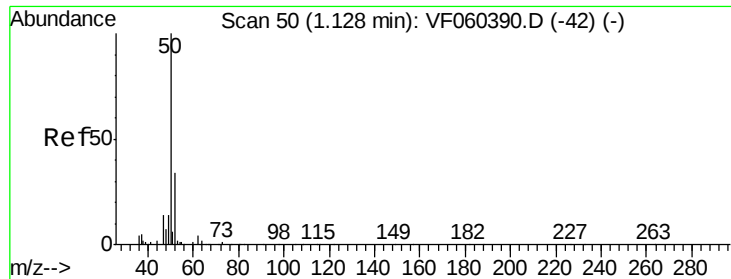
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 45.916 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 193220

Ion Ratio Lower Upper

50 100

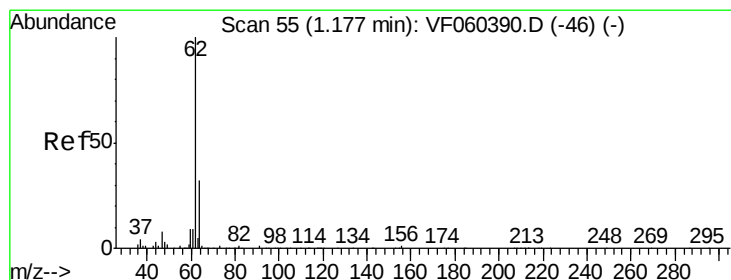
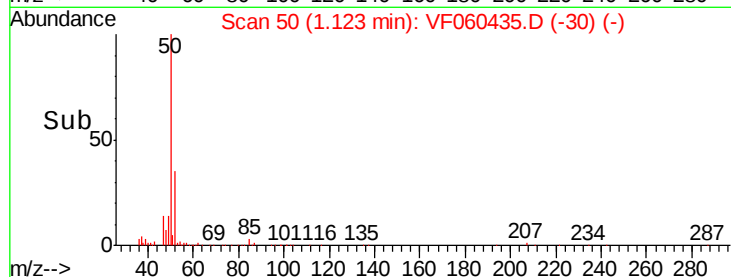
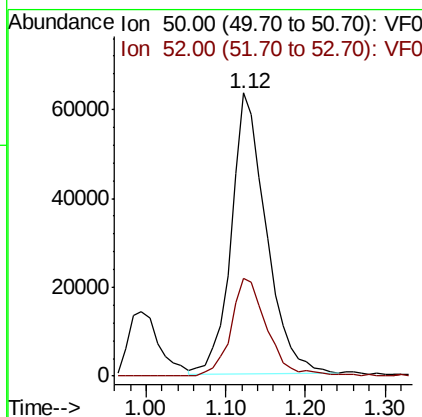
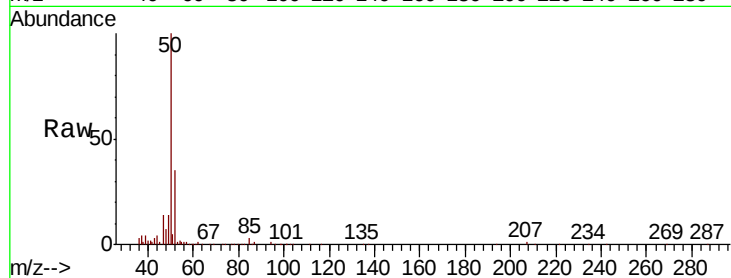
52 34.7 26.9 40.3

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#4

Vinyl Chloride

Concen: 46.166 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060435.D

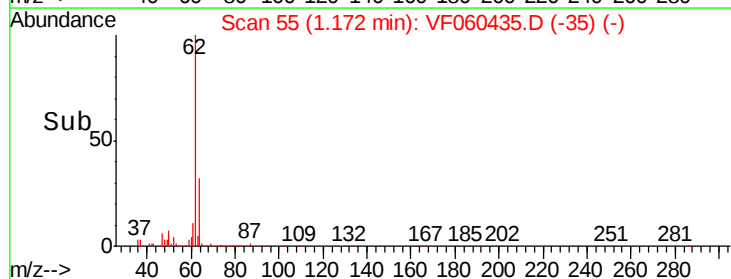
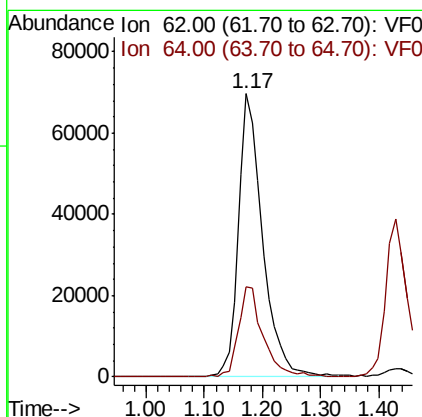
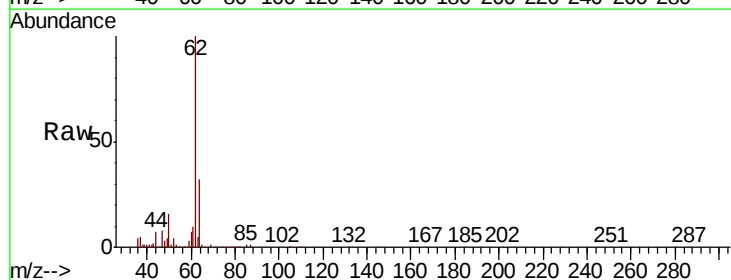
Acq: 4 Oct 2018 1:10

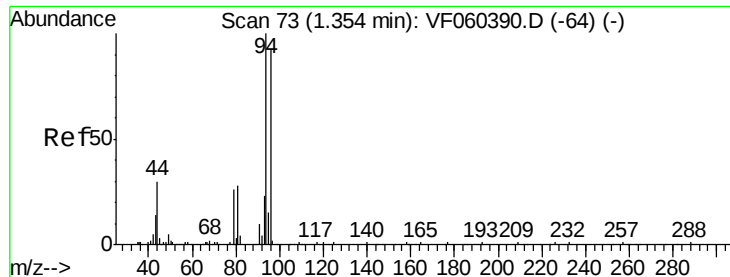
Tgt Ion: 62 Resp: 202092

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 45.389 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tot Ion: 94 Resp: 153902

Ion Ratio Lower Upper

94 100

96 93.3 74.3 111.5

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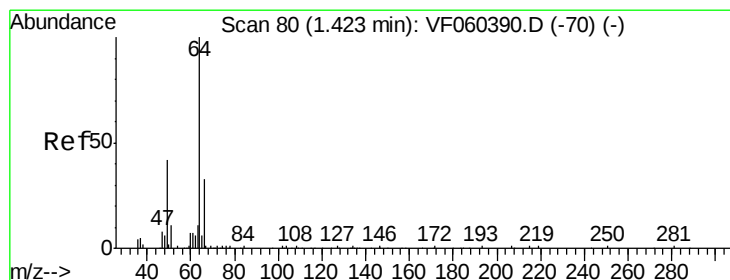
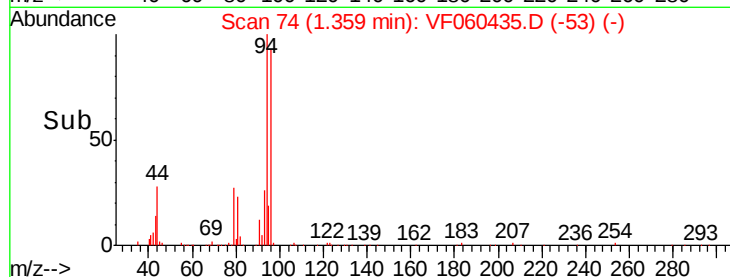
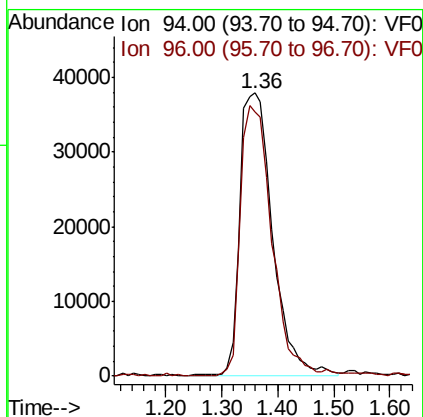
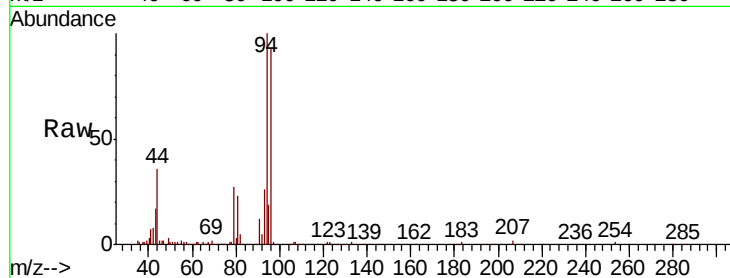
VSTDCCC050EC

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#6

Chloroethane

Concen: 46.322 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060435.D

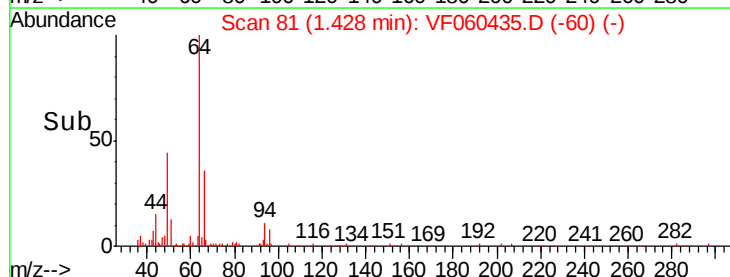
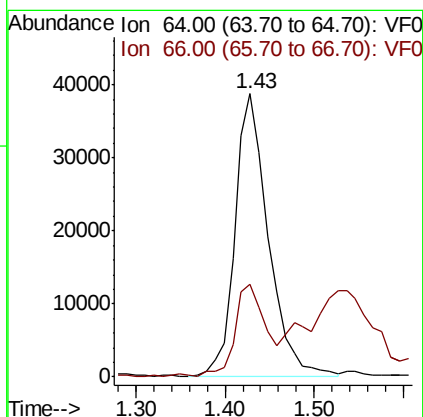
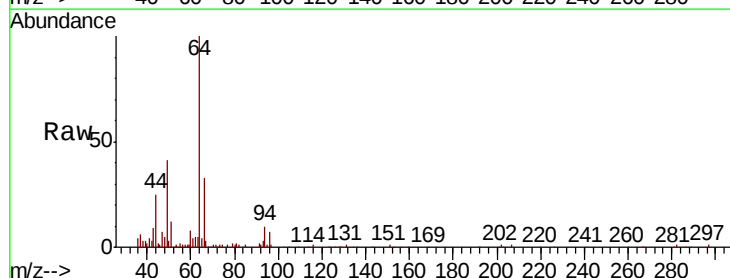
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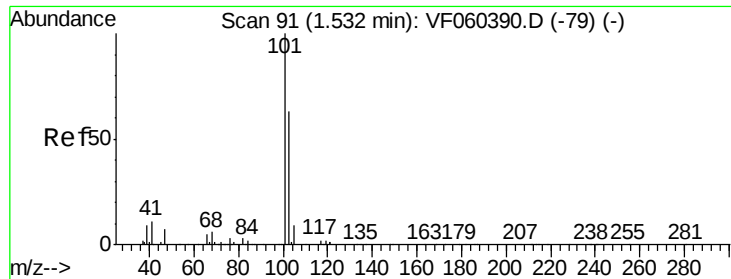
Tgt Ion: 64 Resp: 101192

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5





#7

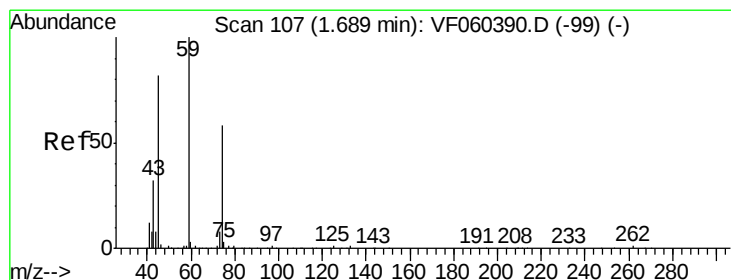
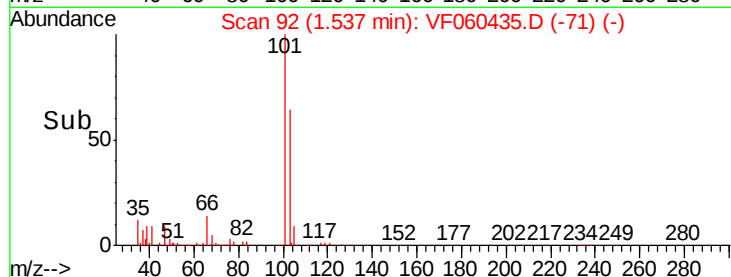
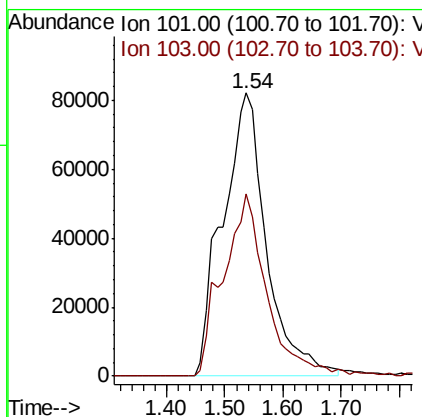
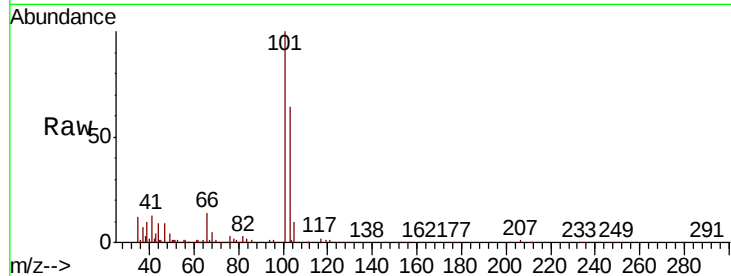
Trichlorofluoromethane
Concen: 42.304 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.4

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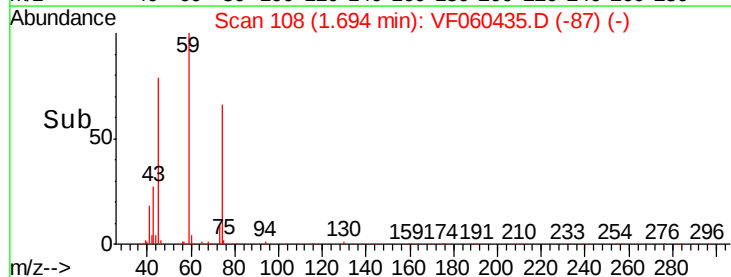
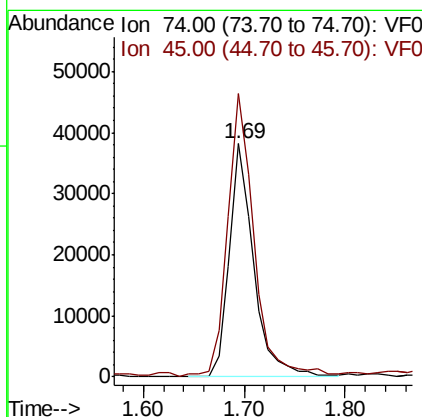
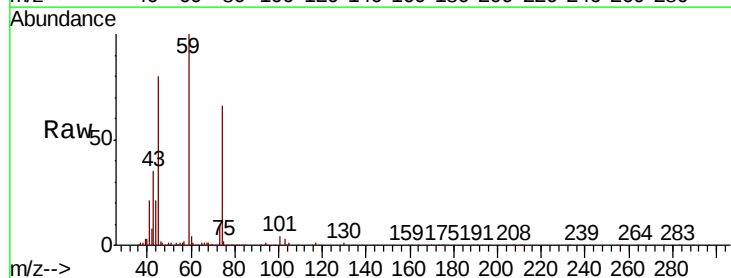
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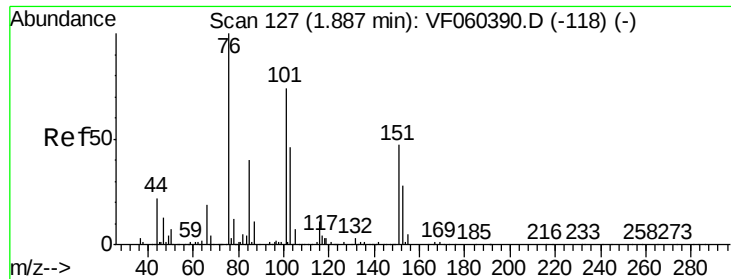


#8

Diethyl Ether
Concen: 46.215 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.4	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.668 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

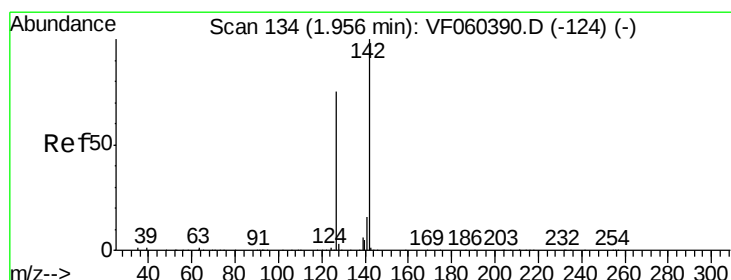
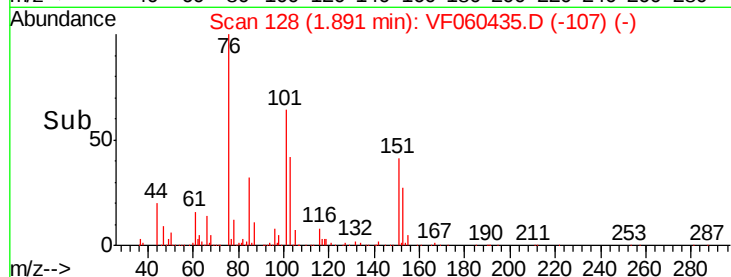
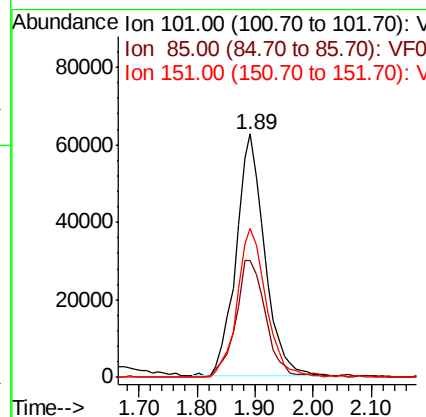
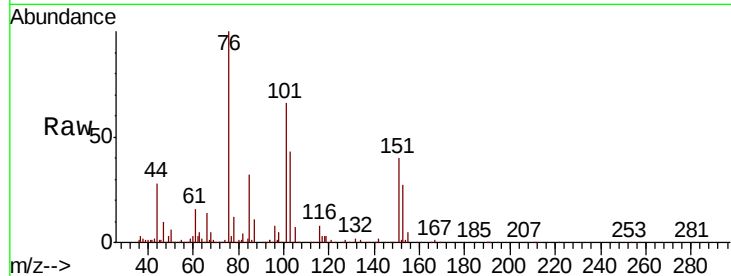
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	212444
Ion Ratio	Lower	Upper	
101	100		
85	48.1	42.5	63.7
151	61.0	49.8	74.8

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#10

Methyl Iodide

Concen: 47.024 ug/l

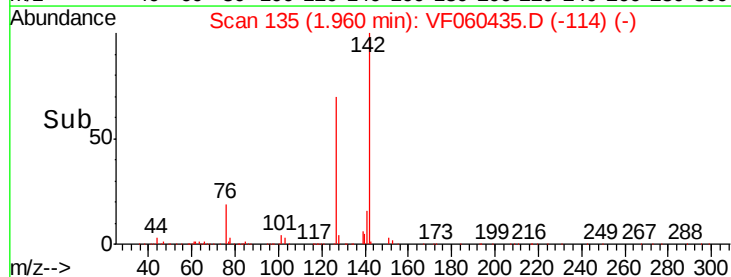
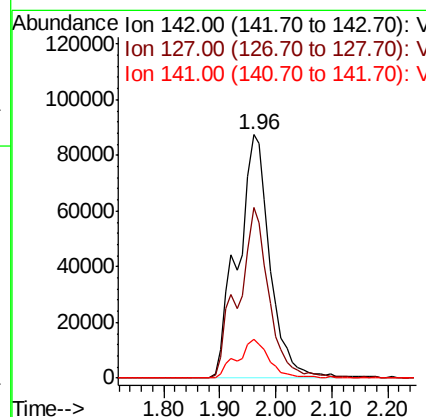
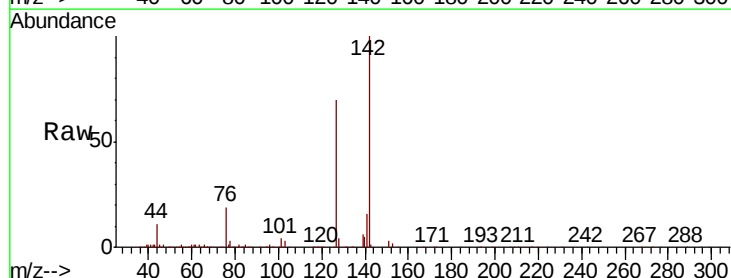
RT: 1.96 min Scan# 135

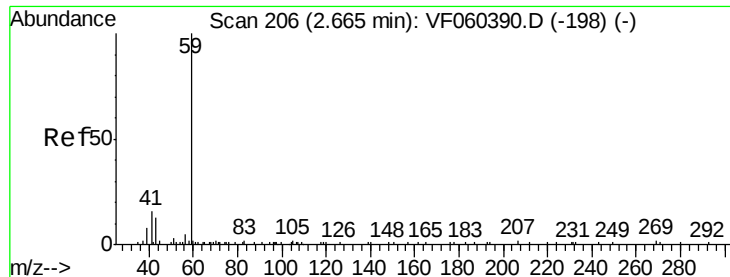
Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion:	142	Resp:	348875
Ion Ratio	Lower	Upper	
142	100		
127	69.9	60.2	90.2
141	15.8	13.1	19.7





#11

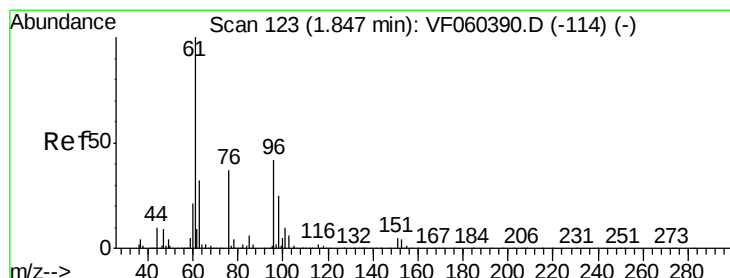
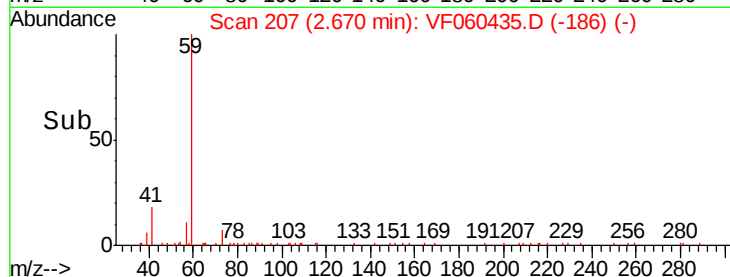
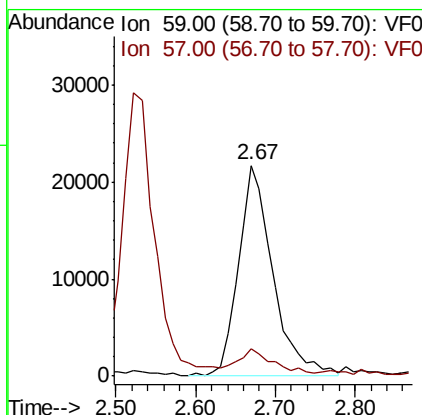
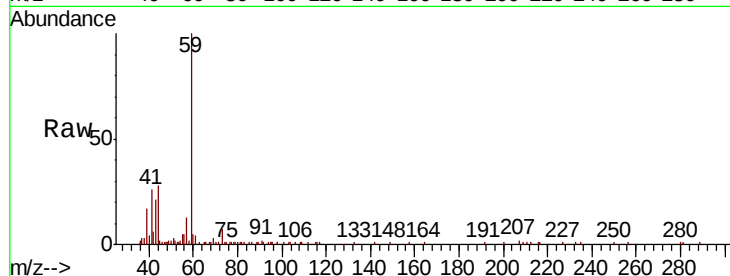
Tert butyl alcohol
Concen: 221.934 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.1	6.5	9.7#

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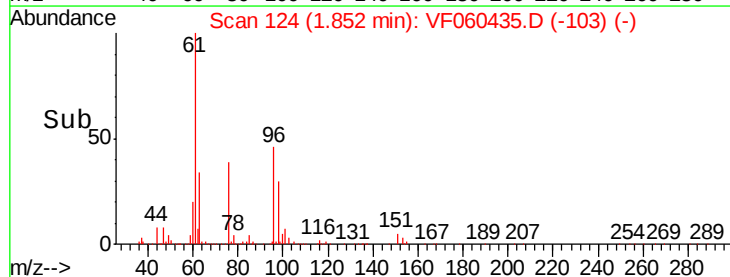
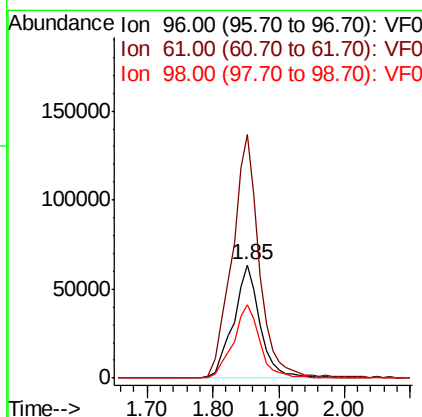
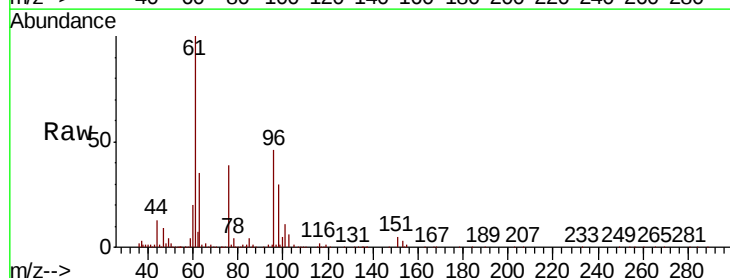
apatel
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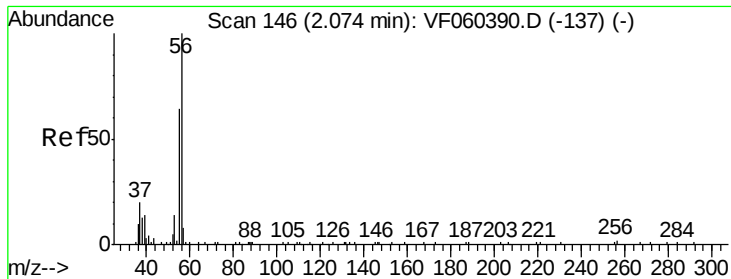


#12

1,1-Dichloroethene
Concen: 47.678 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	215.2	189.4	284.0
98	64.8	47.8	71.6





#13

Acrolein

Concen: 190.691 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 44981

Ion Ratio Lower Upper

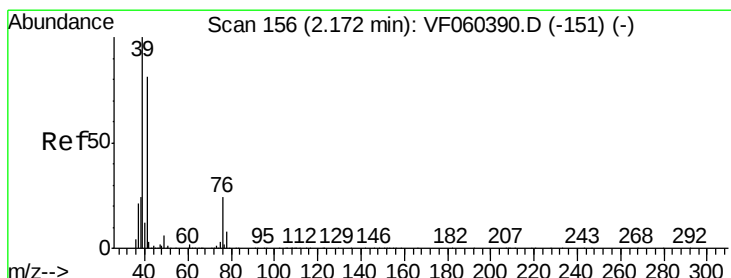
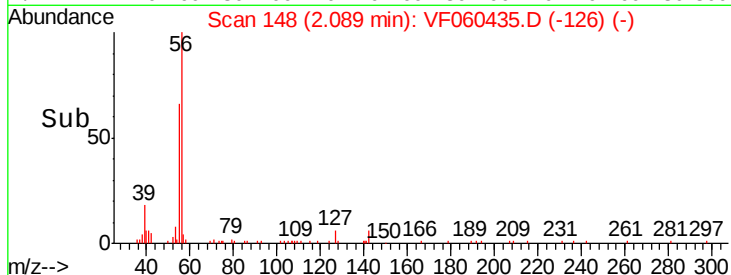
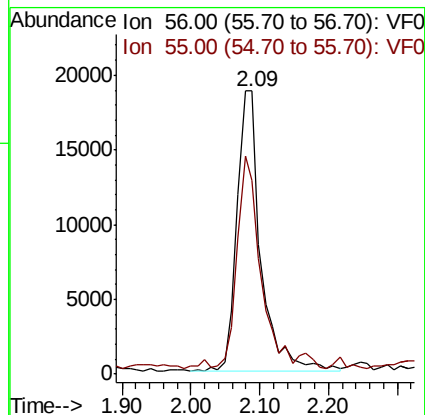
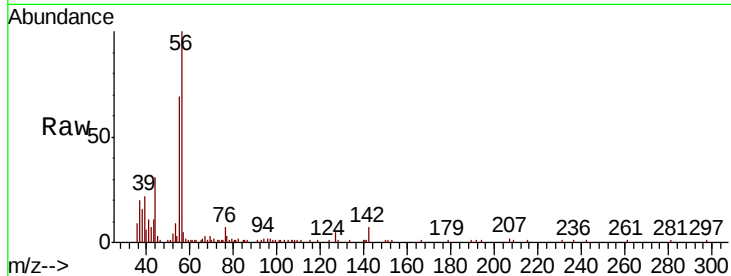
56 100

55 68.6 53.9 80.9

Manual Integrations
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#14

Allyl chloride

Concen: 46.158 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

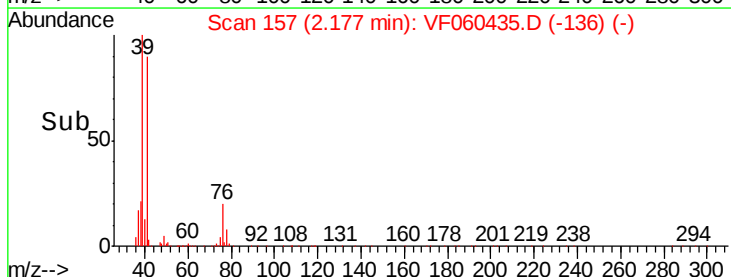
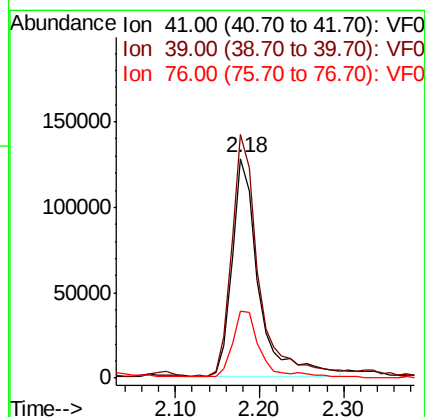
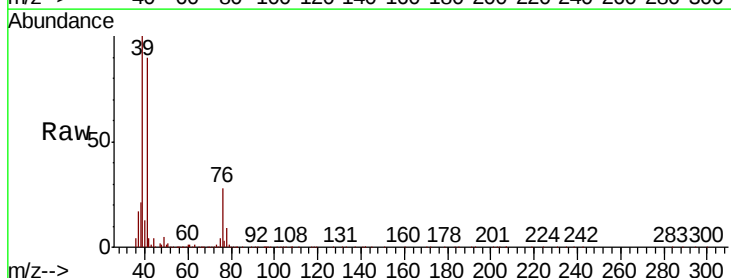
Tgt Ion: 41 Resp: 278019

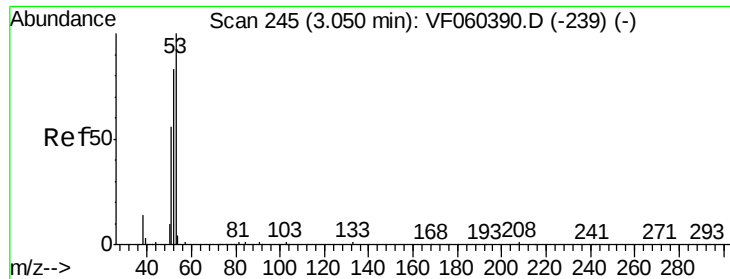
Ion Ratio Lower Upper

41 100

39 110.9 98.3 147.5

76 30.8 23.9 35.9





#15

Acrylonitrile

Concen: 274.389 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

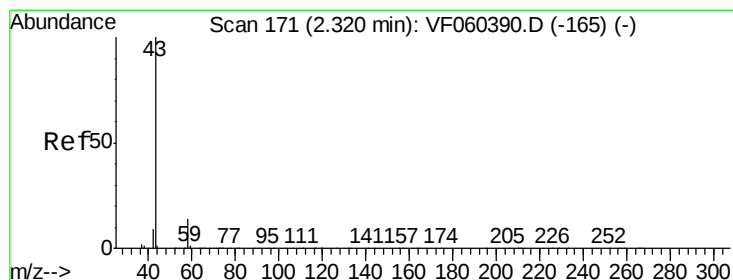
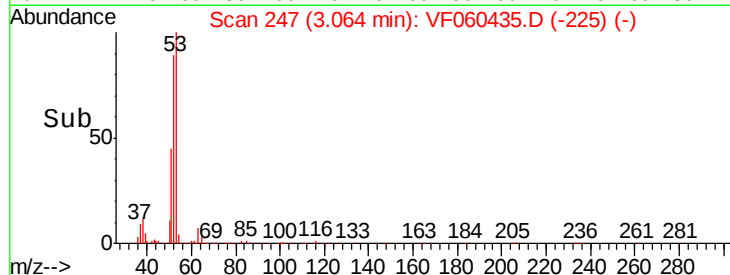
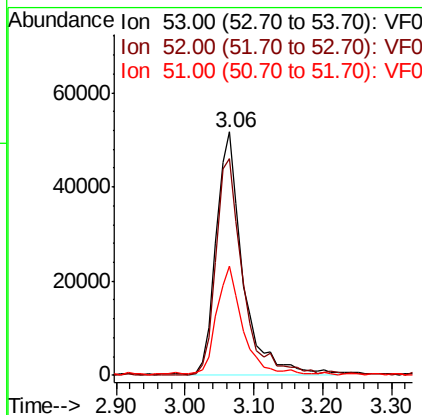
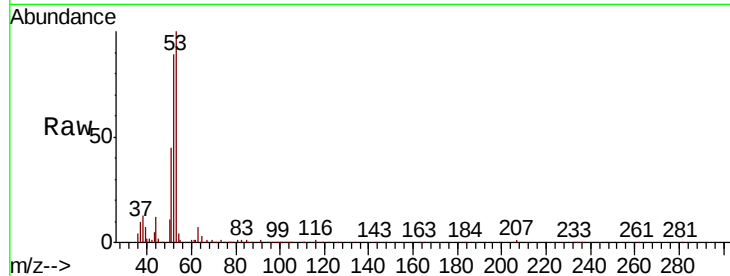
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	137905
Ion Ratio		Lower	Upper
53	100		
52	89.1	66.0	99.0
51	44.7	45.6	68.4#

Manual Integrations
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#16

Acetone

Concen: 200.930 ug/l

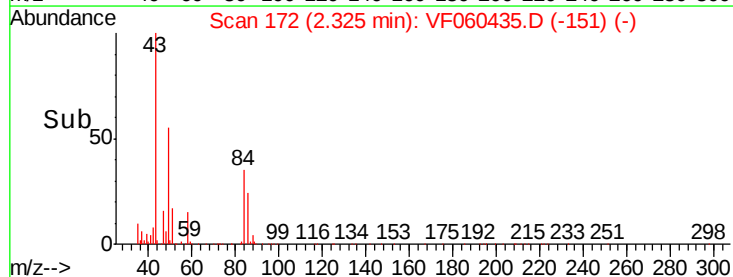
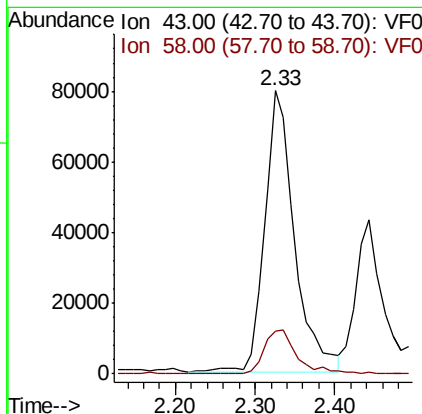
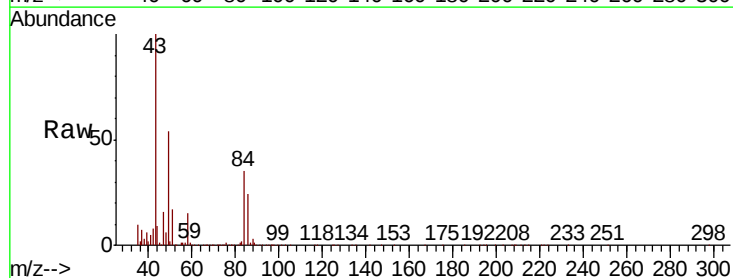
RT: 2.33 min Scan# 172

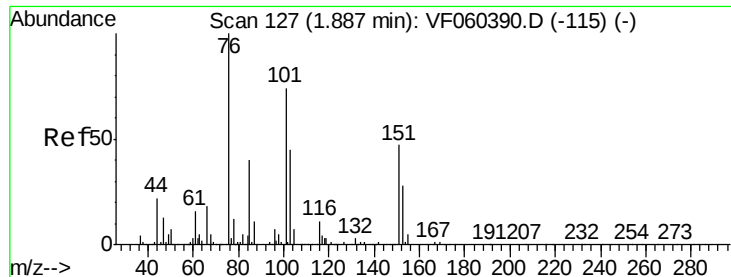
Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion:	43	Resp:	205340
Ion Ratio		Lower	Upper
43	100		
58	15.1	11.2	16.8





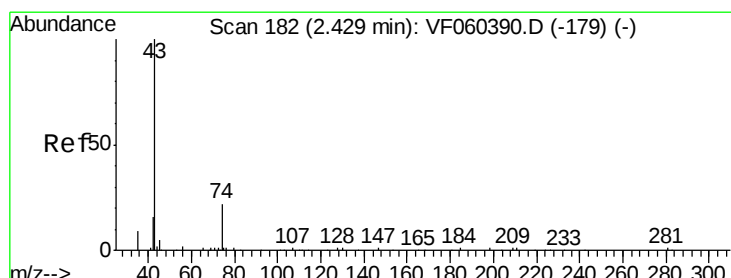
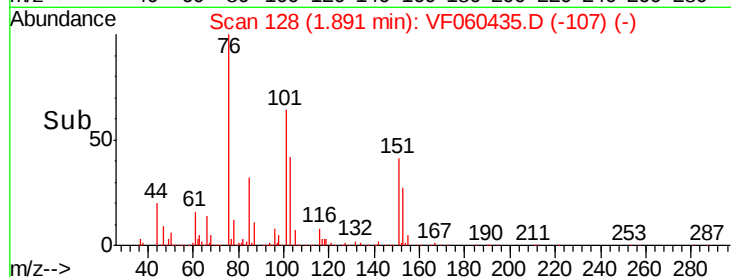
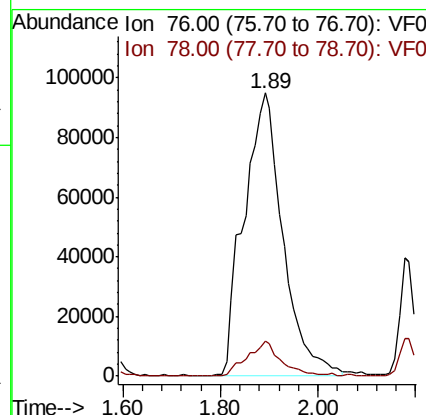
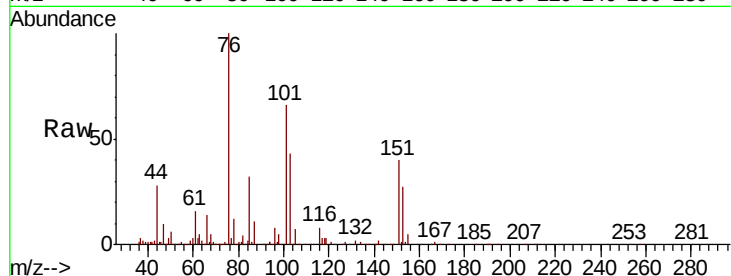
#17
Carbon Disulfide
Concen: 46.254 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 526489
Ion Ratio Lower Upper
76 100
78 12.2 10.1 15.1

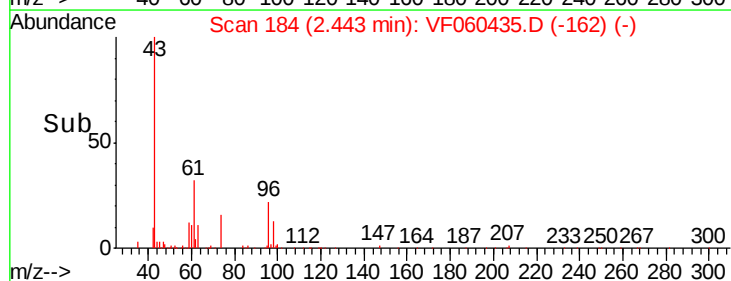
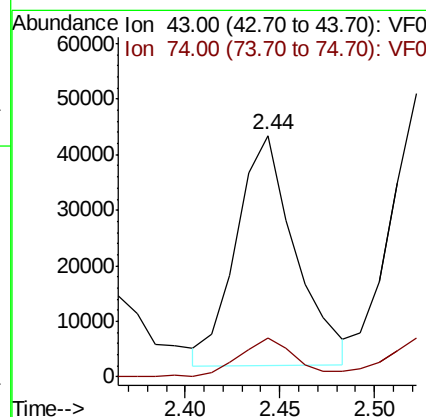
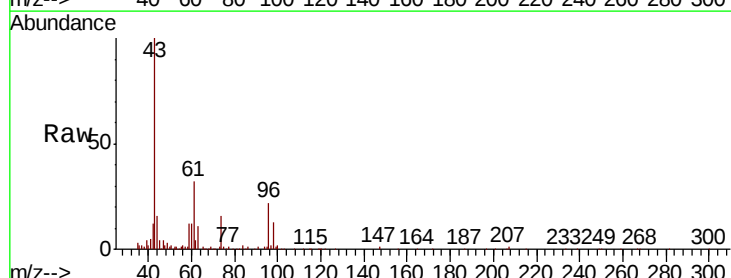
Manual Integrations
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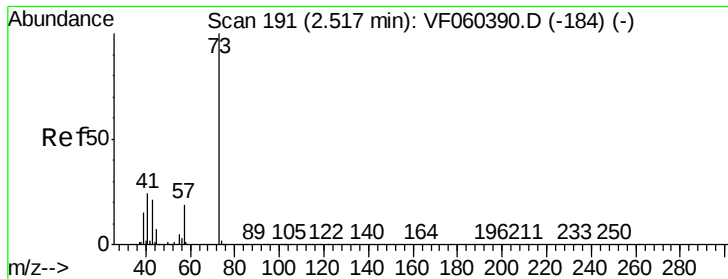
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#18
Methyl Acetate
Concen: 49.620 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 43 Resp: 90456
Ion Ratio Lower Upper
43 100
74 15.9 15.8 23.8





#19

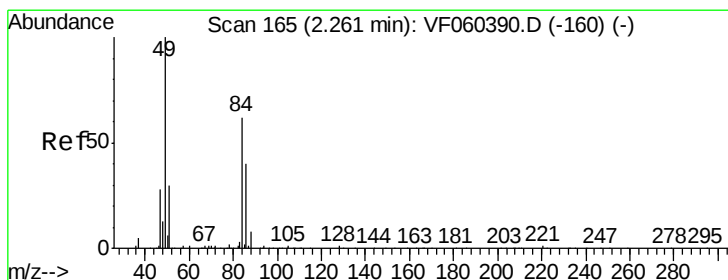
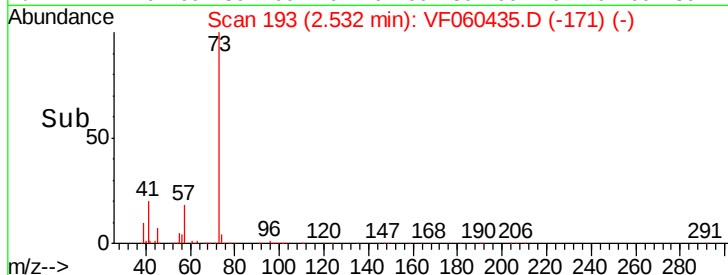
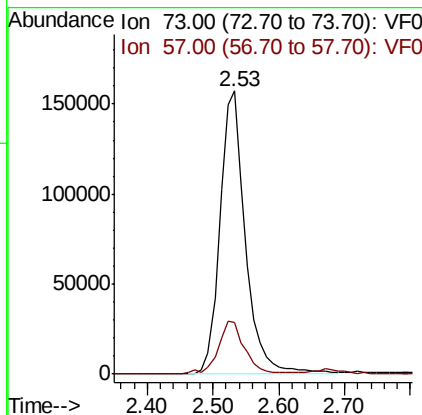
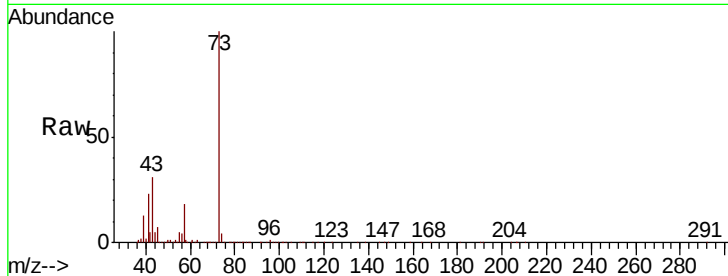
Methyl tert-butyl Ether
 Concen: 46.206 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	15.9	23.9

Manual Integrations
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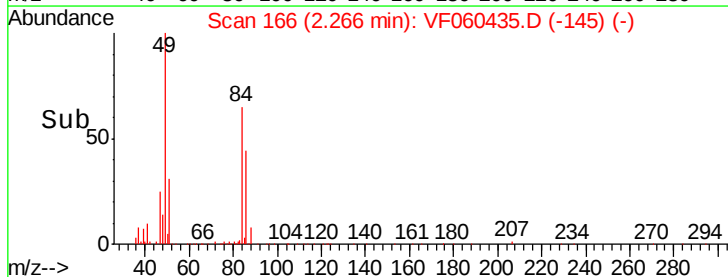
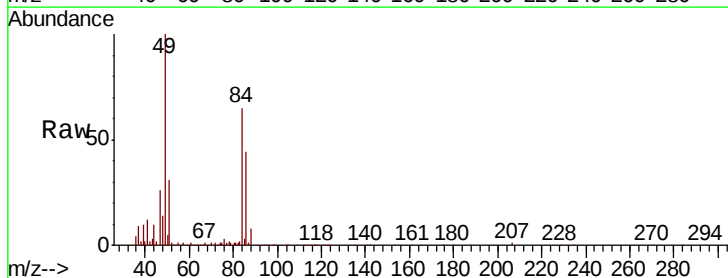
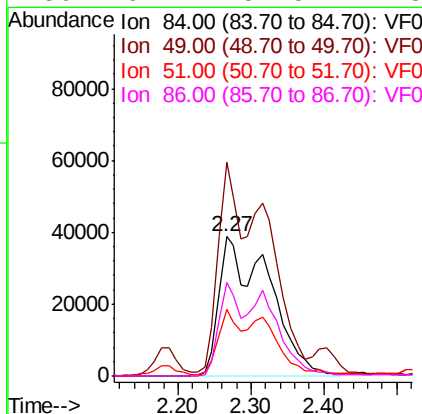
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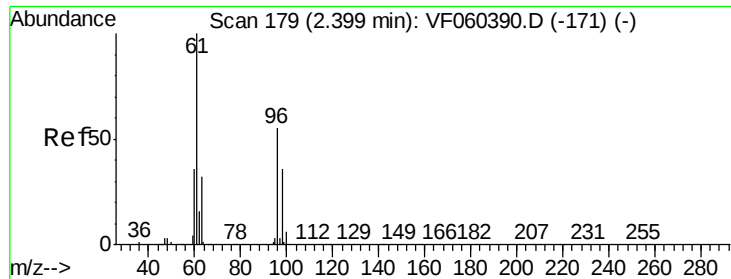


#20

Methylene Chloride
 Concen: 52.740 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.2	130.2	195.2
51	47.9	41.0	61.6
86	67.2	51.5	77.3





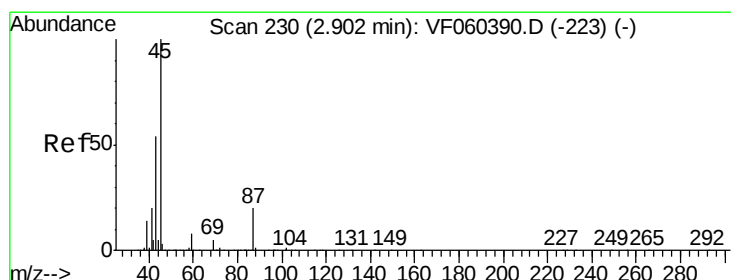
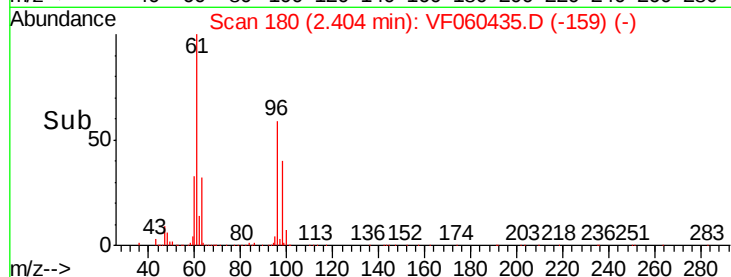
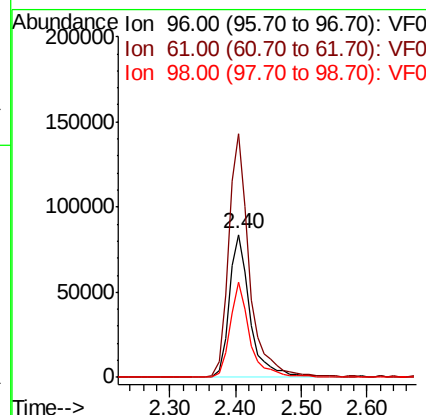
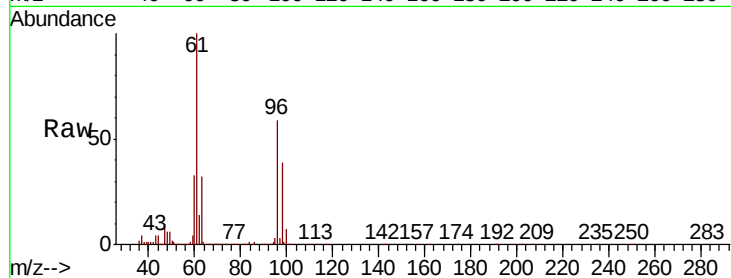
#21
trans-1,2-Dichloroethene
Concen: 49.025 ug/l
RT: 2.40 min Scan# 180
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.4	146.2	219.2
98	66.9	52.6	78.8

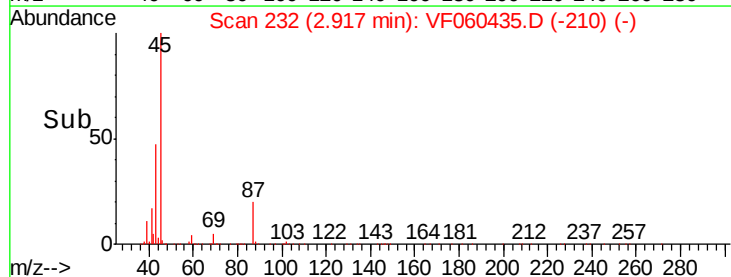
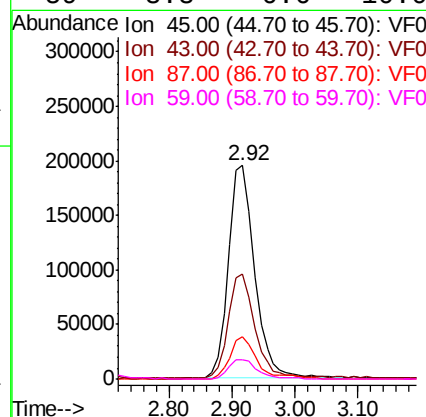
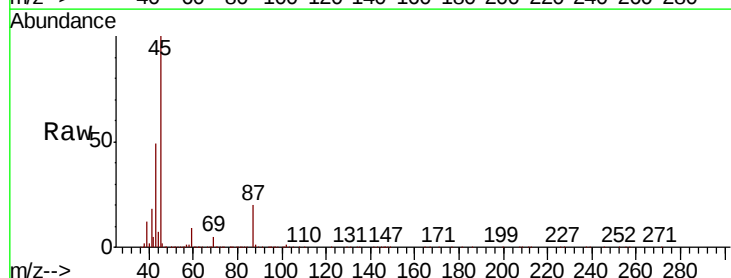
Manual Integrations
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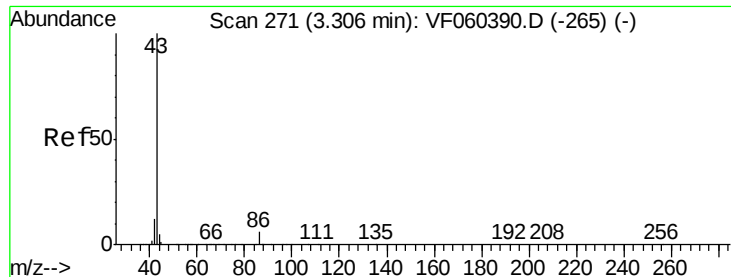
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#22
Diisopropyl ether
Concen: 51.796 ug/l
RT: 2.92 min Scan# 232
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.2	43.8	65.8
87	19.9	16.3	24.5
59	8.8	6.6	10.0





#23

Vinyl Acetate

Concen: 246.745 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1071586

Ion Ratio Lower Upper

43 100

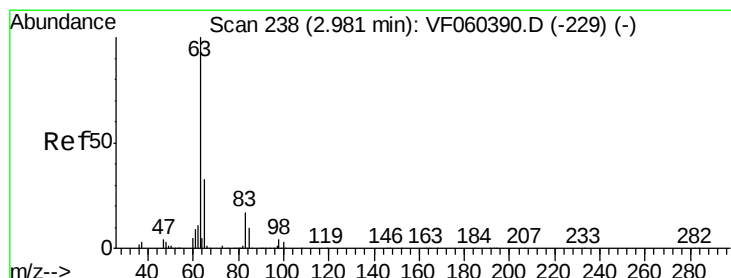
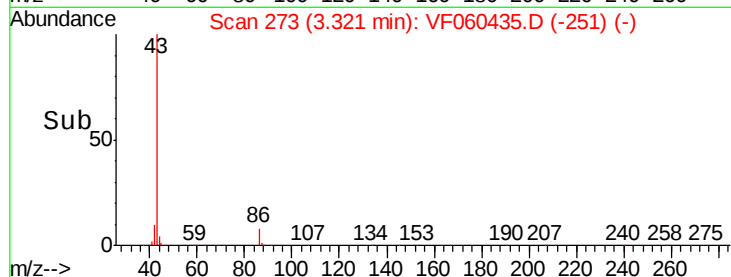
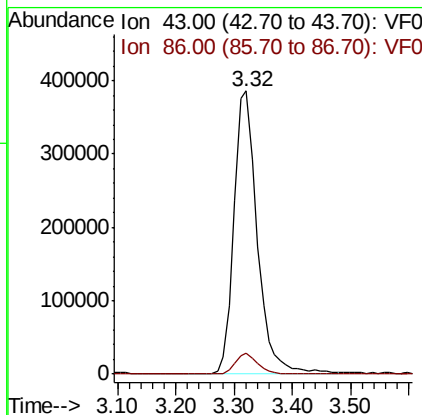
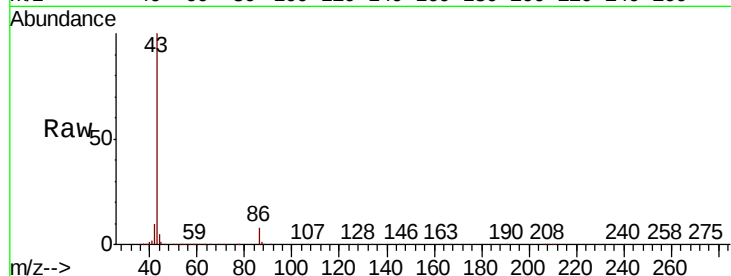
86 7.5 5.1 7.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.129 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

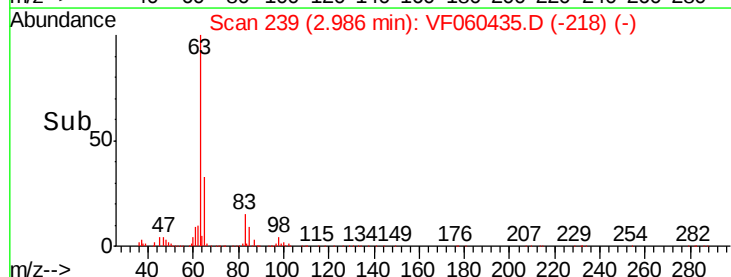
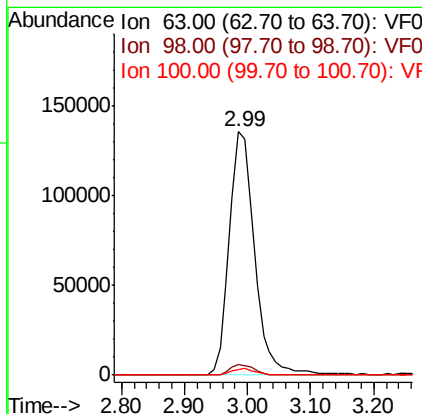
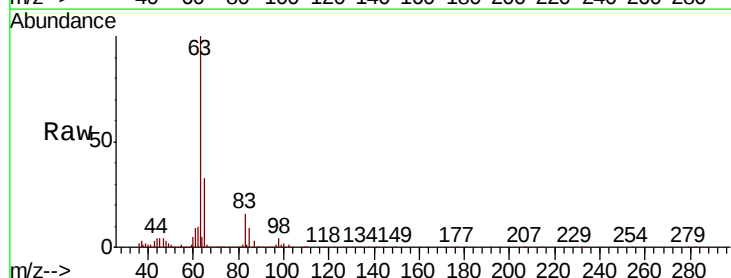
Tgt Ion: 63 Resp: 378009

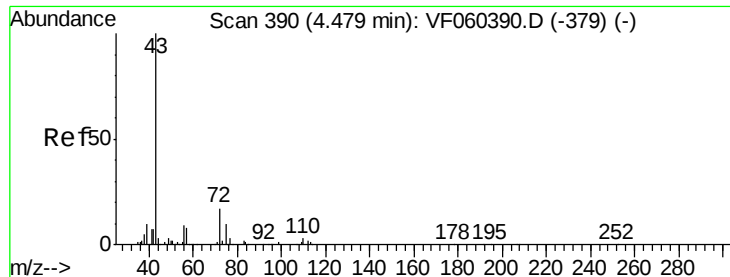
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.3 1.4 4.2





#25

2-Butanone

Concen: 233.051 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tot Ion: 43 Resp: 292620

Ion Ratio Lower Upper

43 100

72 19.7 14.1 21.1

Instrument :

MSVOA_F

ClientSampleId :

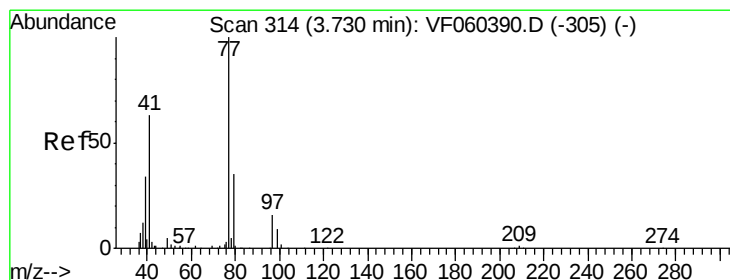
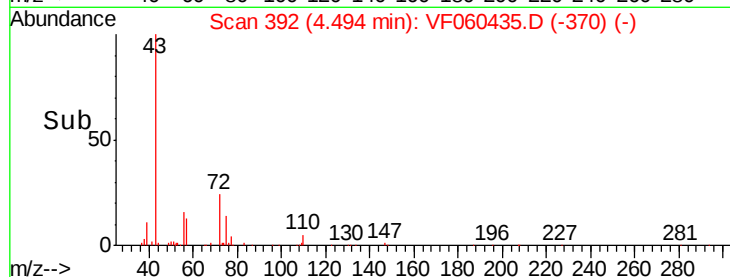
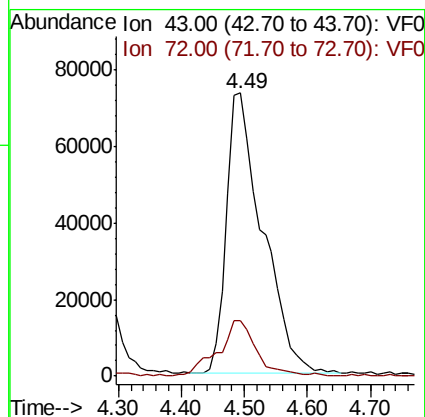
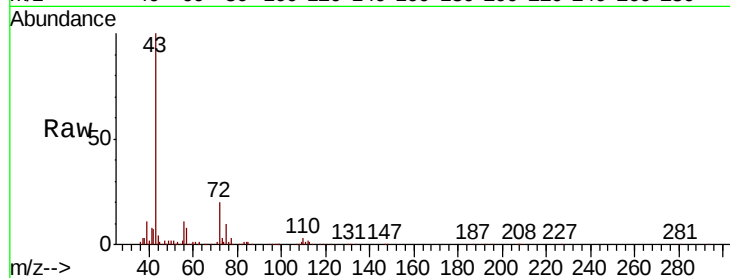
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.710 ug/l

RT: 3.75 min Scan# 317

Delta R.T. 0.02 min

Lab File: VF060435.D

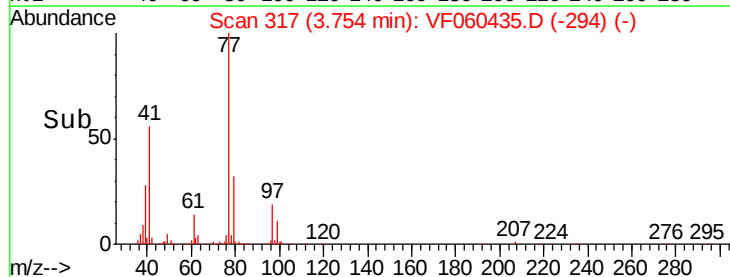
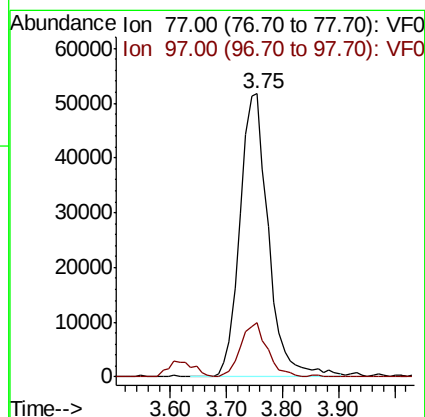
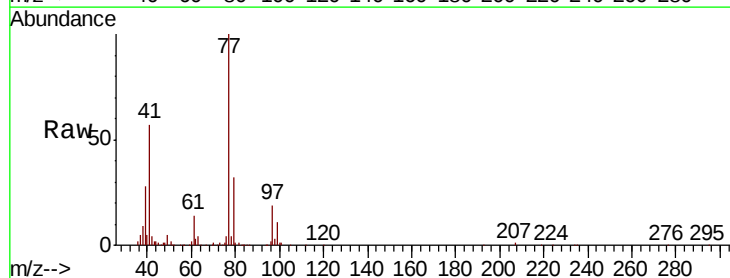
Acq: 4 Oct 2018 1:10

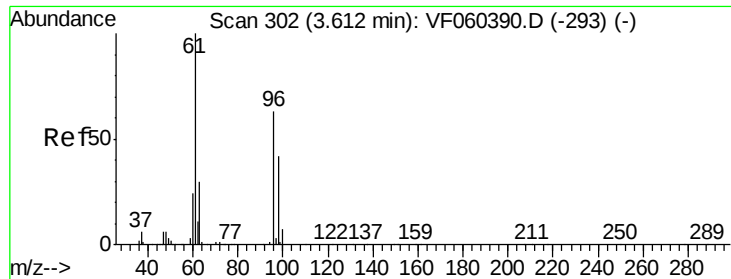
Tgt Ion: 77 Resp: 183030

Ion Ratio Lower Upper

77 100

97 19.0 8.3 25.1





#27

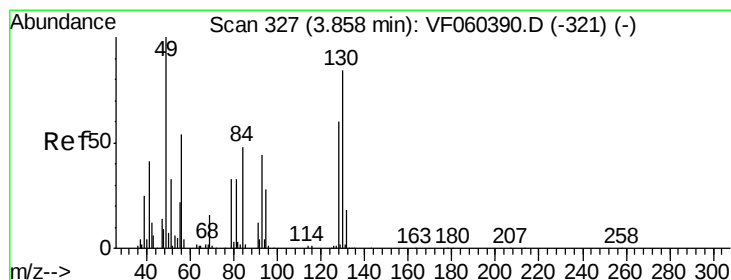
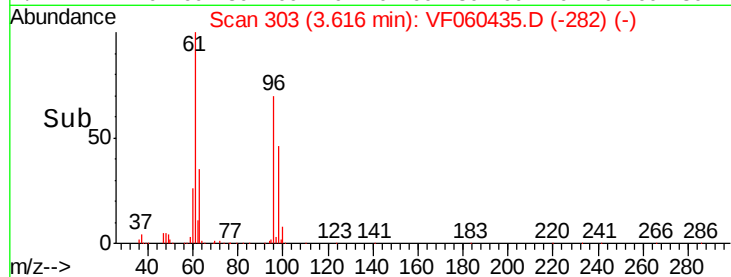
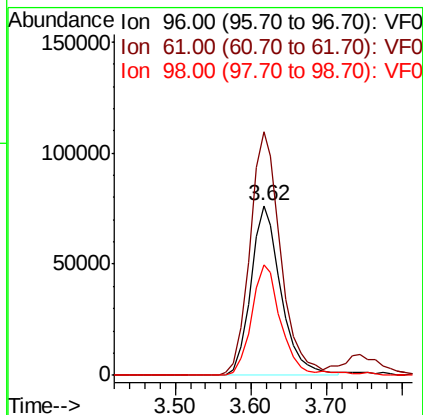
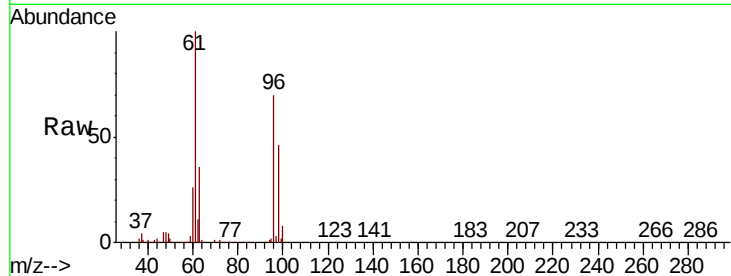
cis-1,2-Dichloroethene
Concen: 50.296 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	143.7	0.0	318.2
98	65.6	0.0	134.0

Manual Integrations
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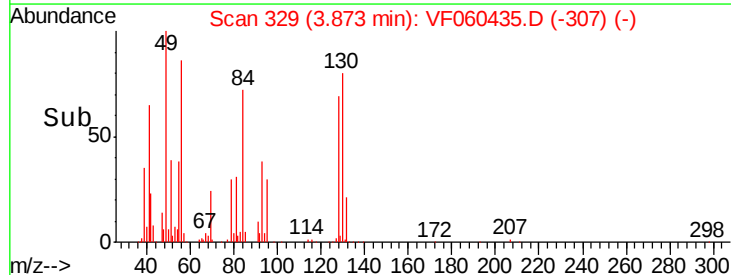
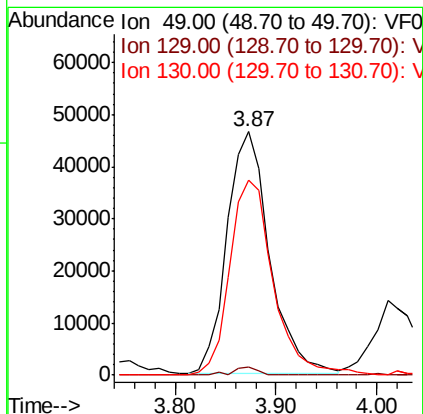
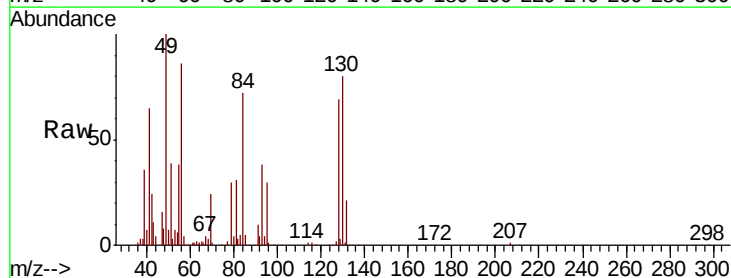
apatel
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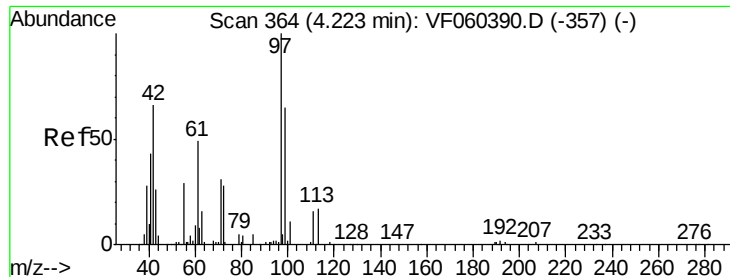


#28

Bromochloromethane
Concen: 50.294 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	3.4	0.0	4.6
130	79.9	67.3	100.9





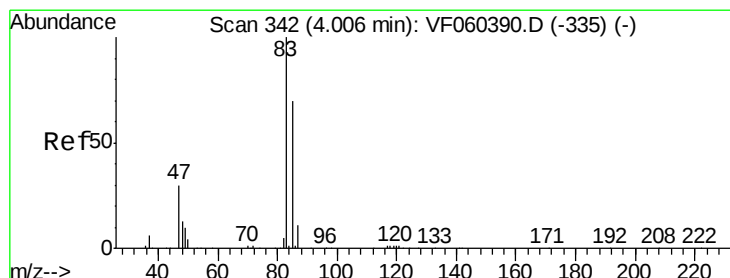
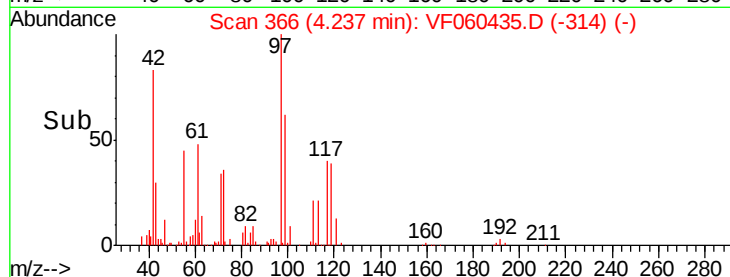
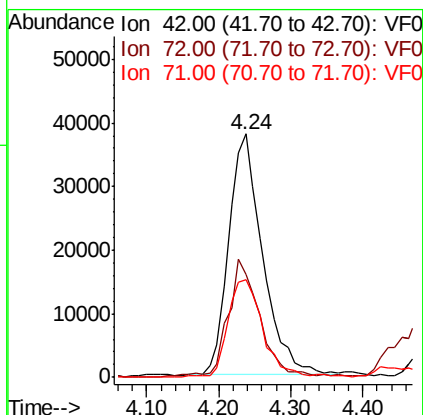
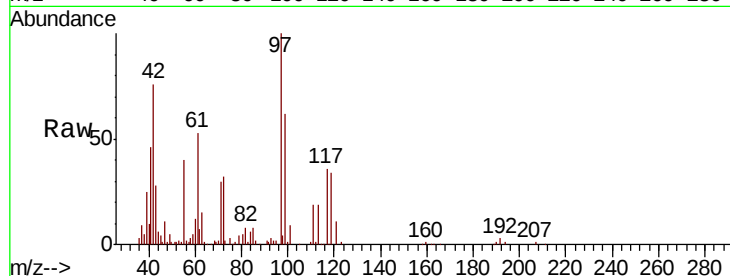
#29
Tetrahydrofuran
Concen: 262.687 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.02 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	33.6	50.4
71	42.3	32.7	49.1

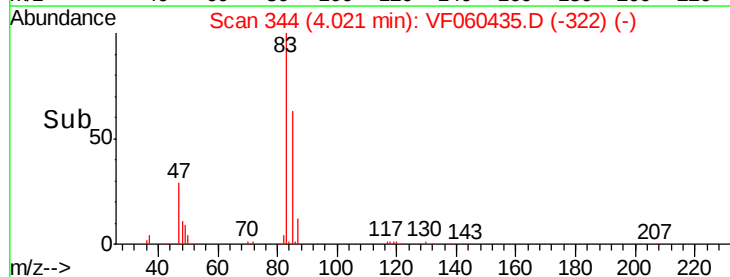
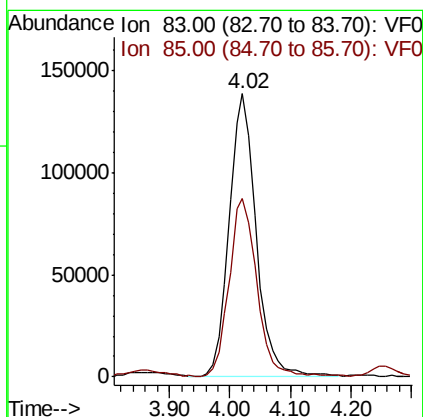
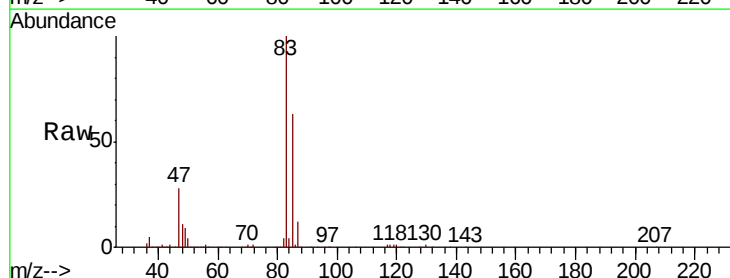
Manual Integrations
APPROVED

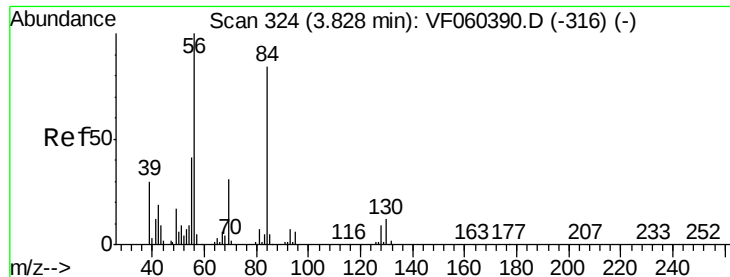
apatel
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#30
Chloroform
Concen: 46.648 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	55.9	83.9





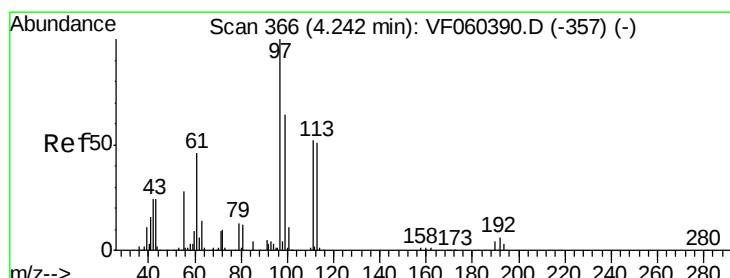
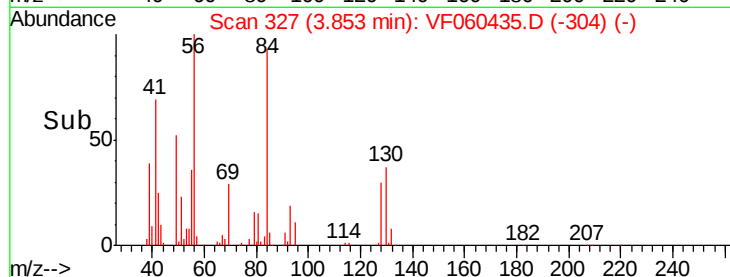
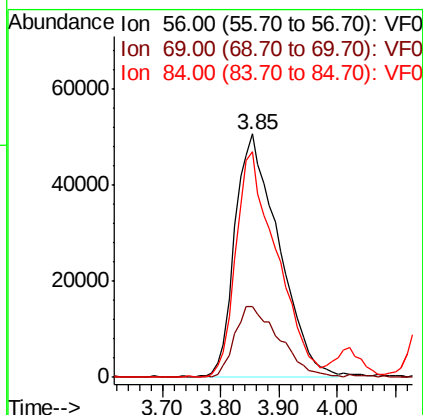
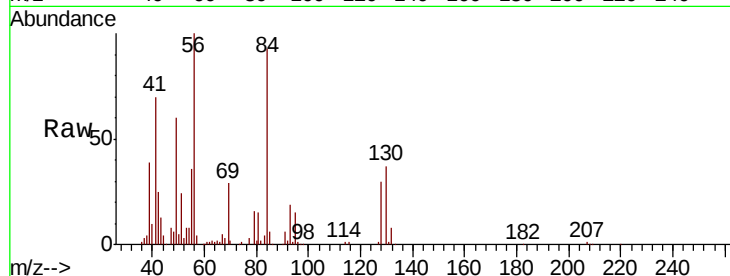
#31
Cyclohexane
Concen: 49.960 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.02 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	25.5	38.3
84	92.5	67.4	101.0

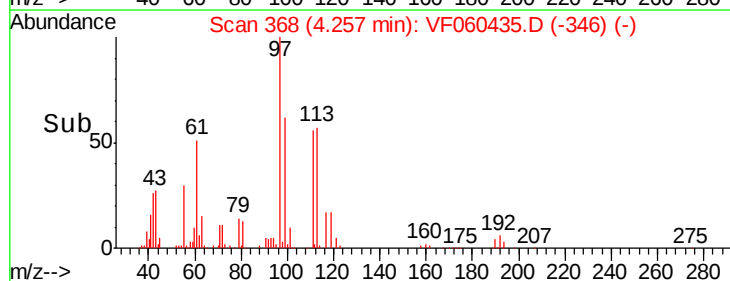
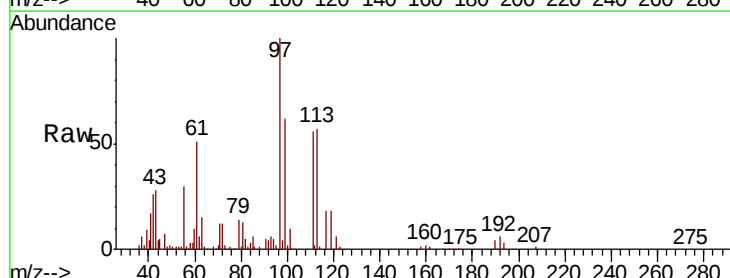
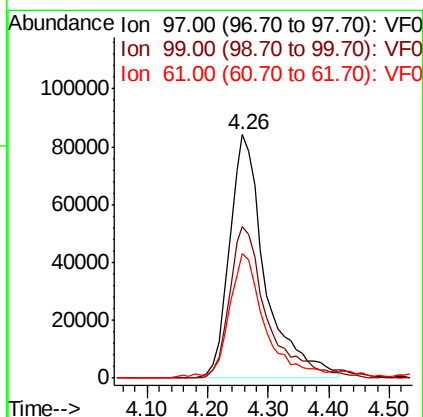
Manual Integrations
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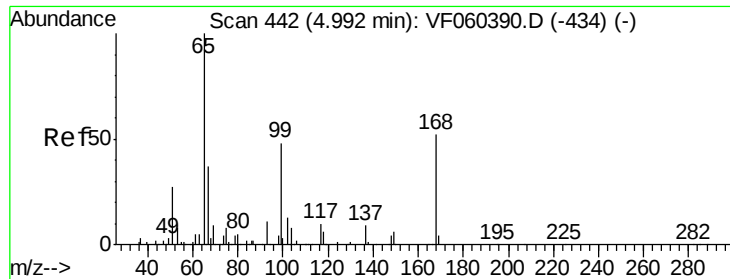
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#32
1,1,1-Trichloroethane
Concen: 45.514 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.0	76.4
61	51.1	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 44.968 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tot Ion: 65 Resp: 218058

Ion Ratio Lower Upper

65 100

67 47.8 0.0 89.4

Instrument :

MSVOA_F

ClientSampleId :

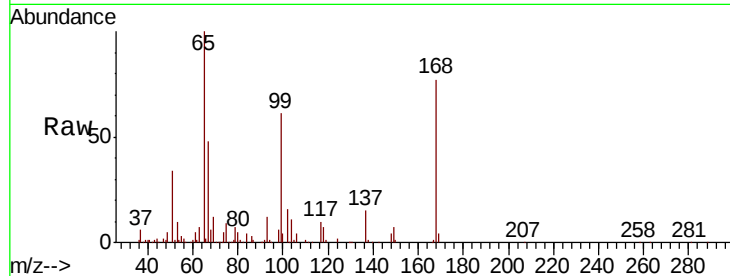
VSTDCCC050EC

Manual Integrations

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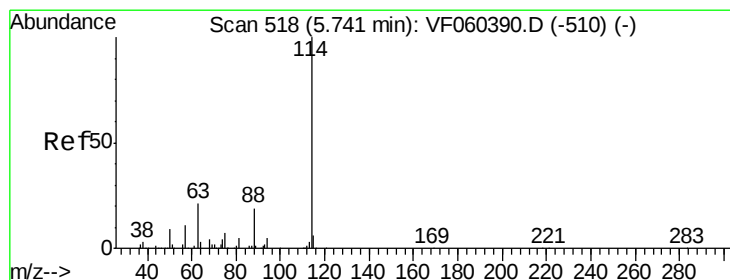
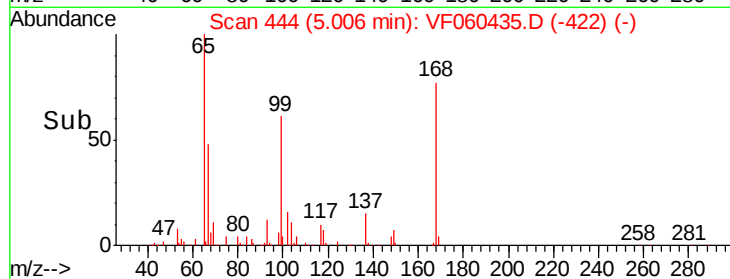
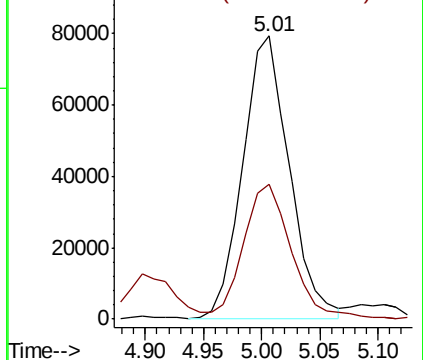
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

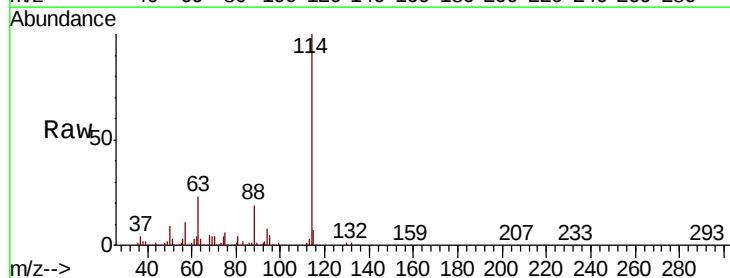
Tgt Ion: 114 Resp: 523670

Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.2

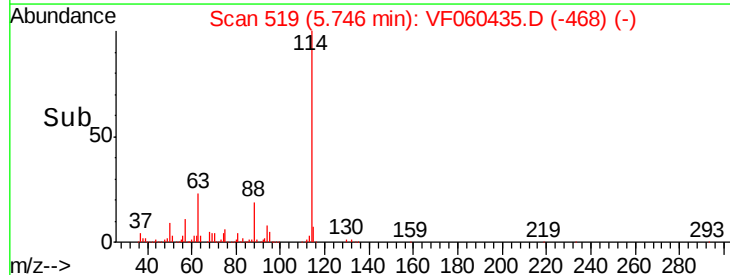
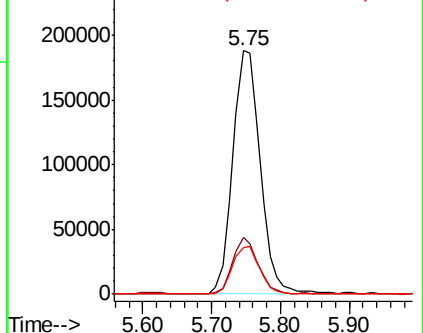
88 19.1 0.0 38.8

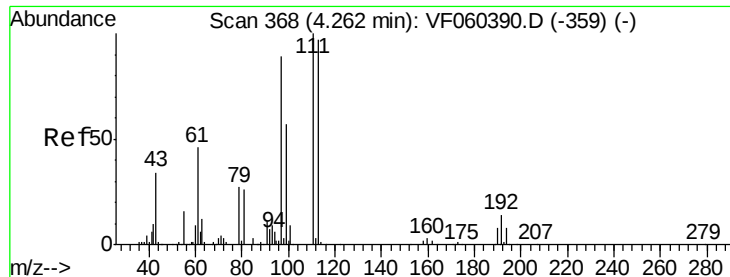


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.672 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

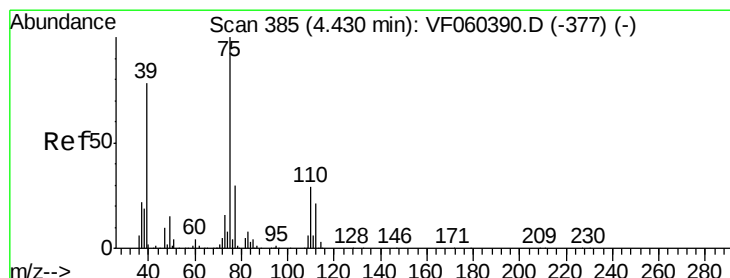
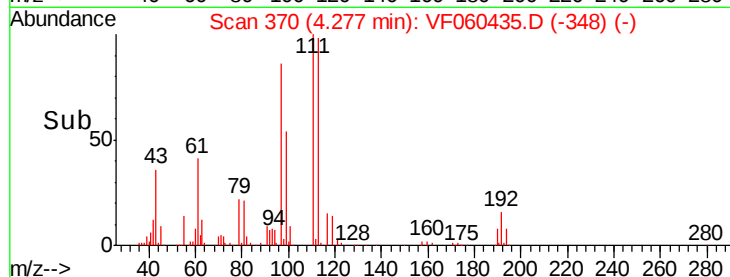
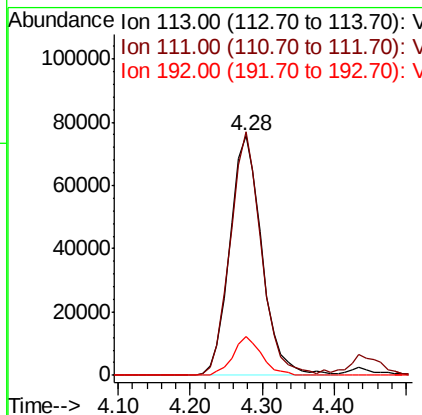
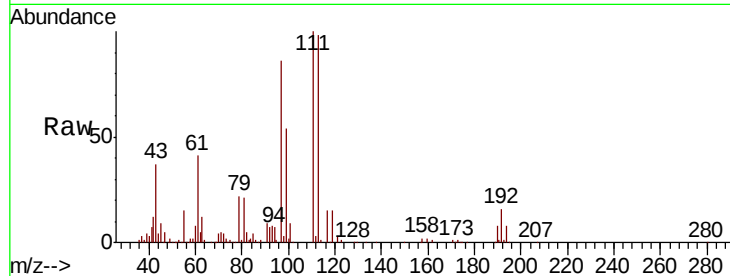
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	234525
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.3	123.5
192	16.1	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.265 ug/l

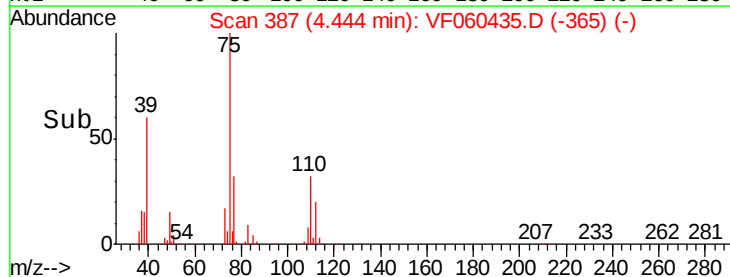
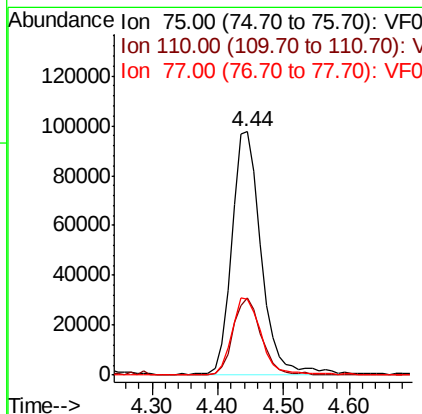
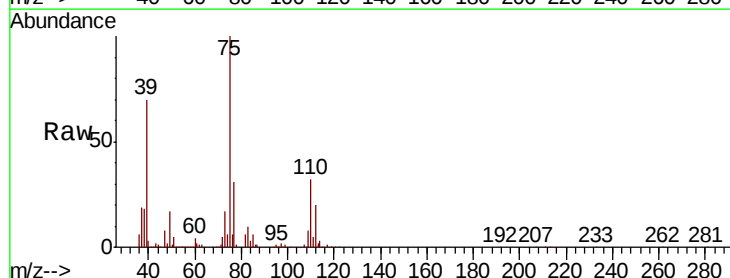
RT: 4.44 min Scan# 387

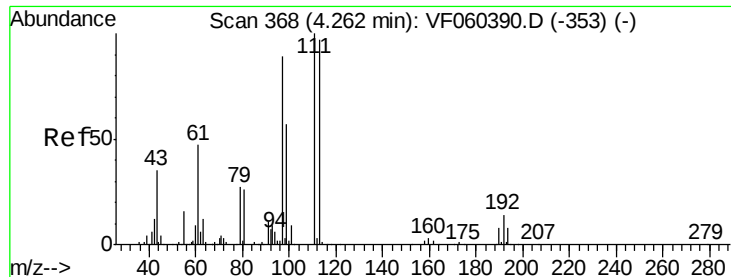
Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion:	75	Resp:	305162
Ion Ratio	Lower	Upper	
75	100		
110	31.8	14.5	43.6
77	31.3	24.3	36.5





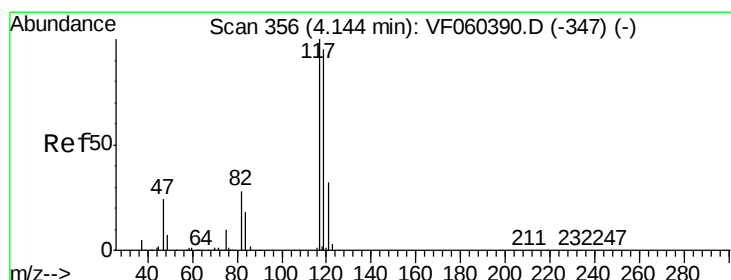
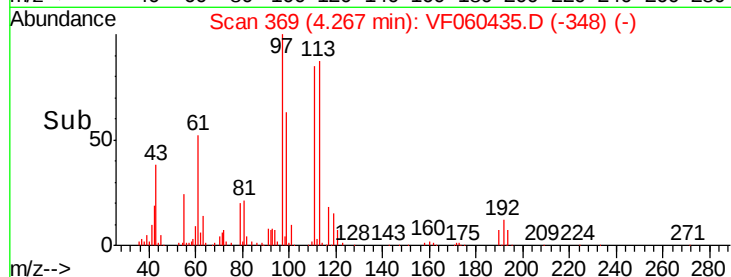
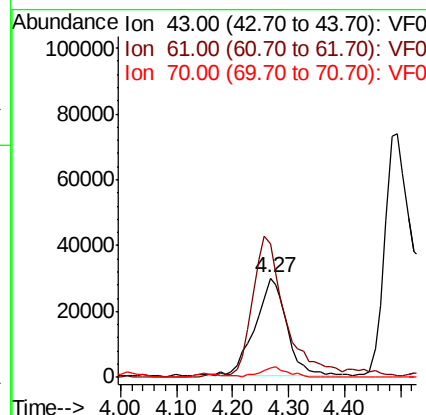
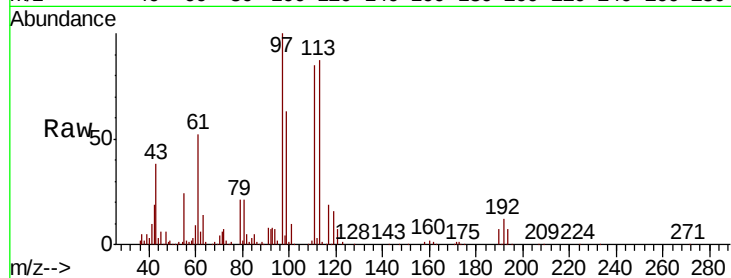
#37
Ethyl Acetate
Concen: 48.422 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	134.9	105.1	157.7
70	10.1	8.0	12.0

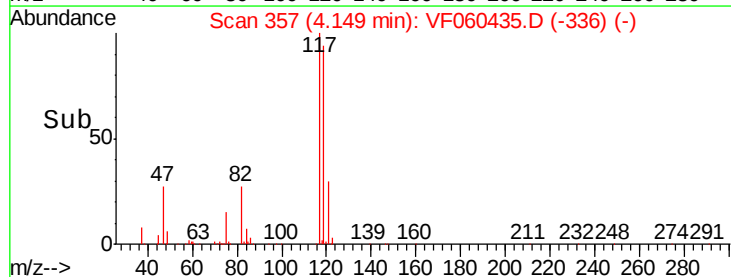
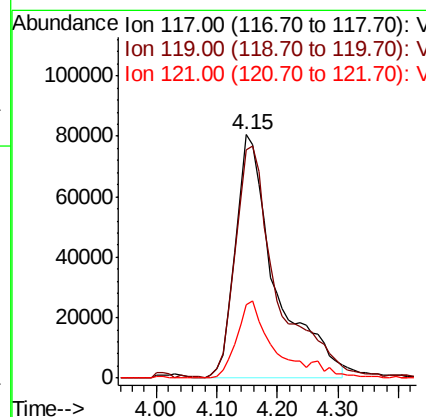
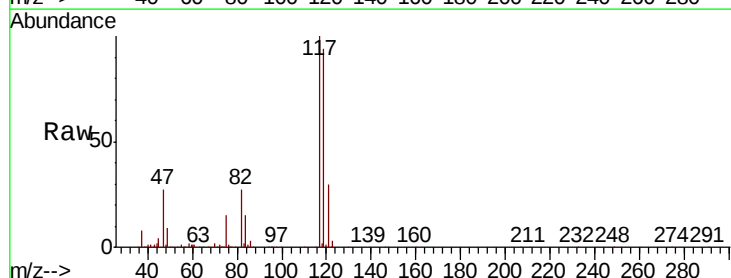
Manual Integrations
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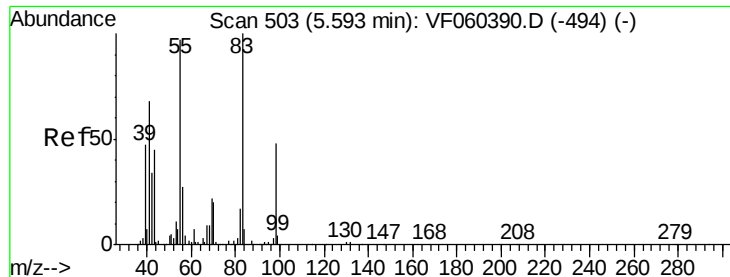
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#38
Carbon Tetrachloride
Concen: 46.997 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.5	113.3
121	30.0	25.4	38.0





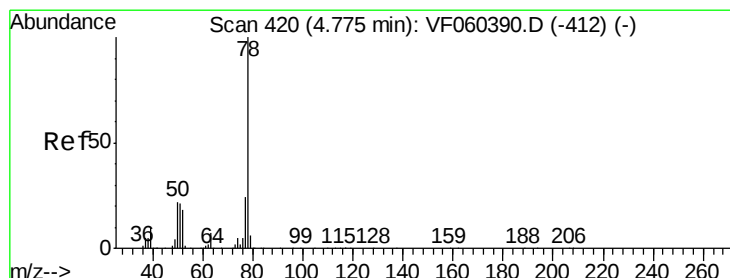
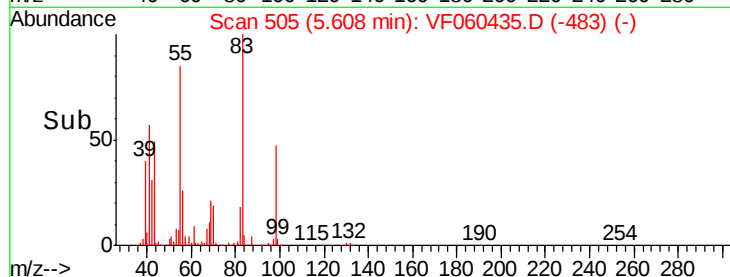
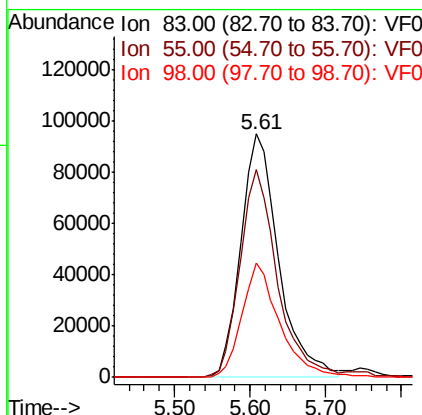
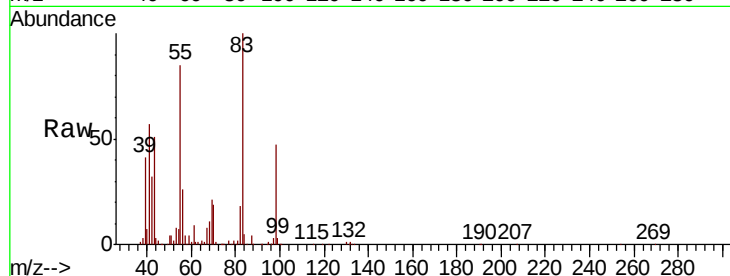
#39
Methvlcvclohexane
Concen: 52.189 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	77.5	116.3
98	47.2	38.7	58.1

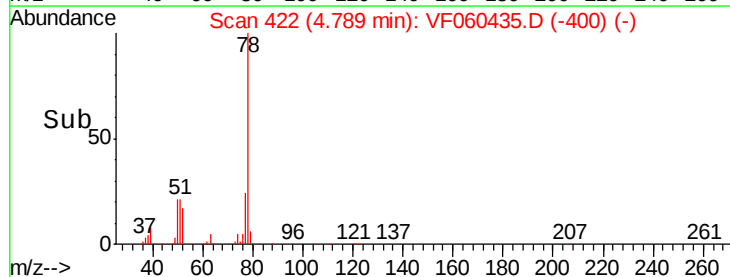
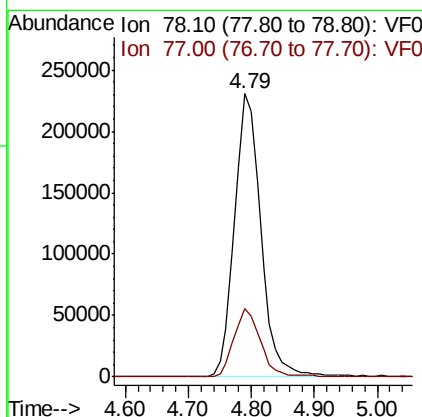
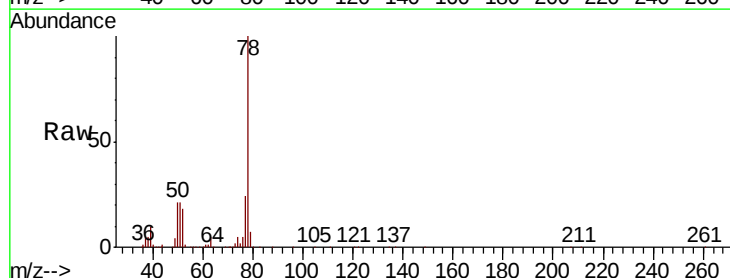
Manual Integrations
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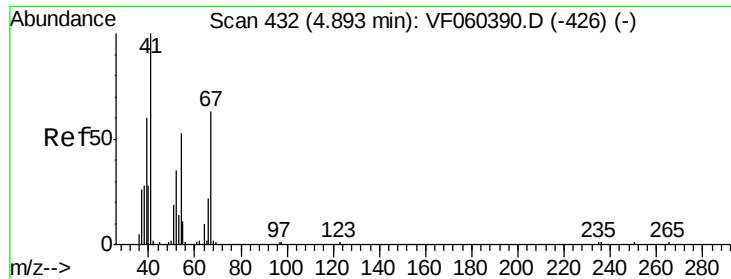
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#40
Benzene
Concen: 51.918 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





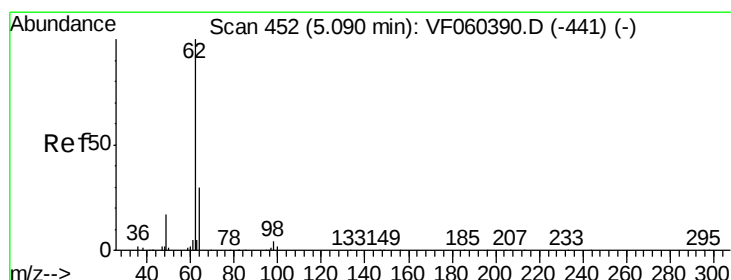
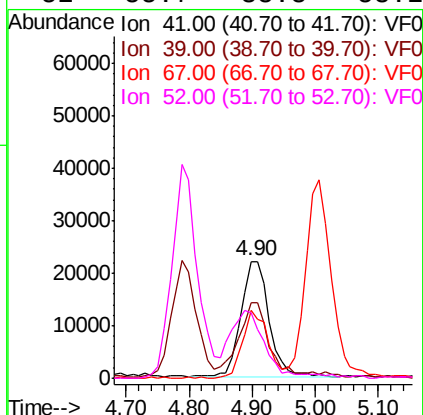
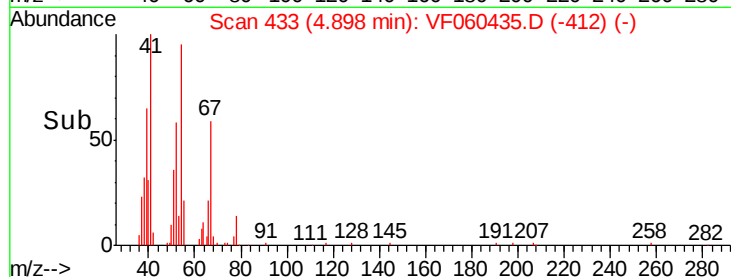
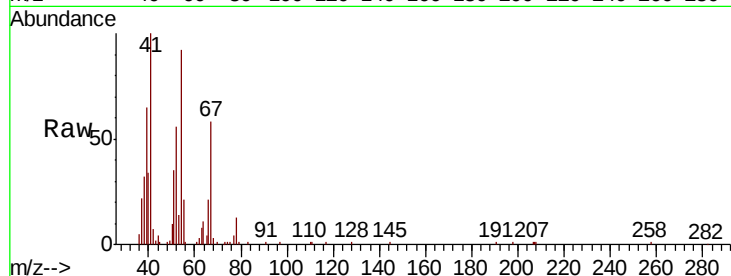
#41
Methacrylonitrile
Concen: 51.376 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.6	55.0	82.4	
67	57.6	49.6	74.4	
52	55.7	38.8	58.2	

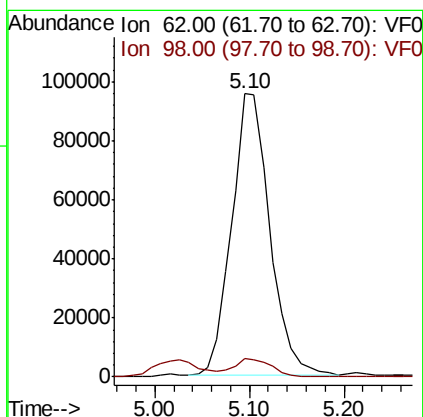
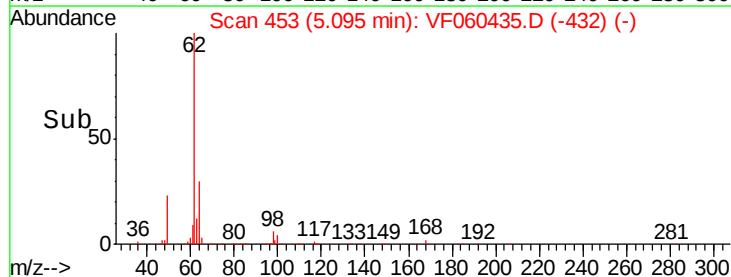
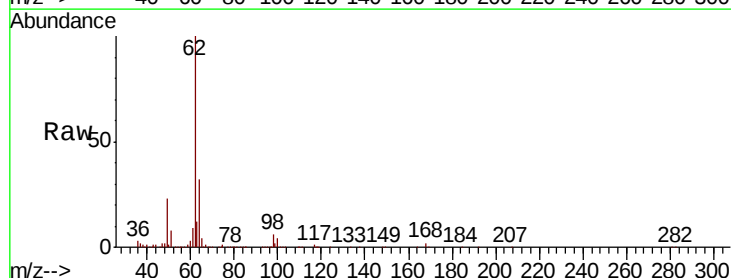
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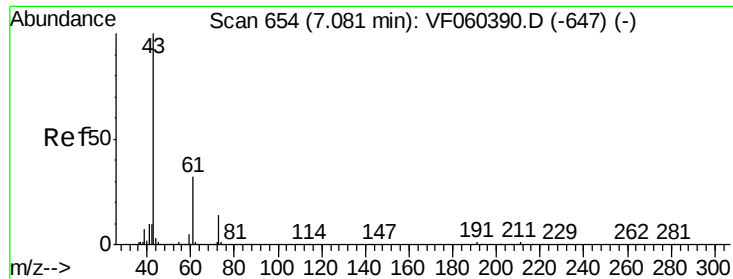
apatel
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#42
1,2-Dichloroethane
Concen: 43.768 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.4	0.0	11.2	





#43

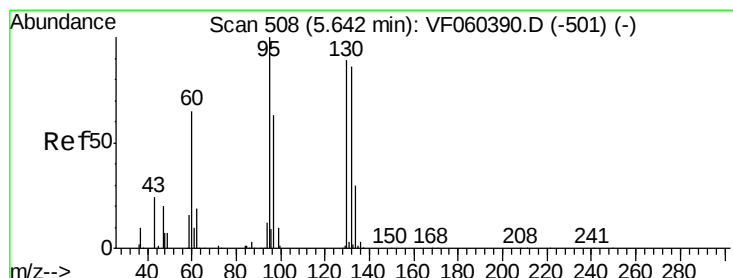
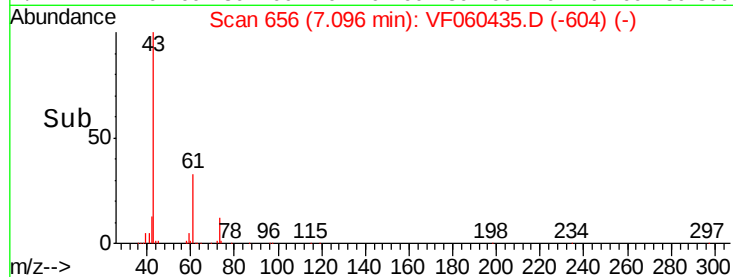
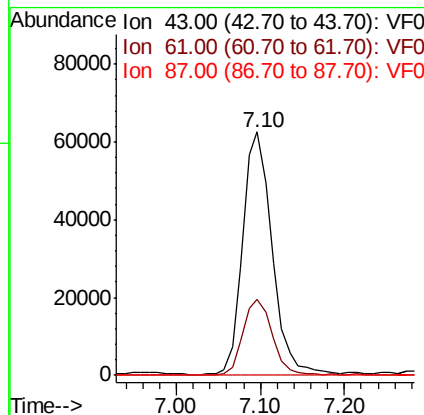
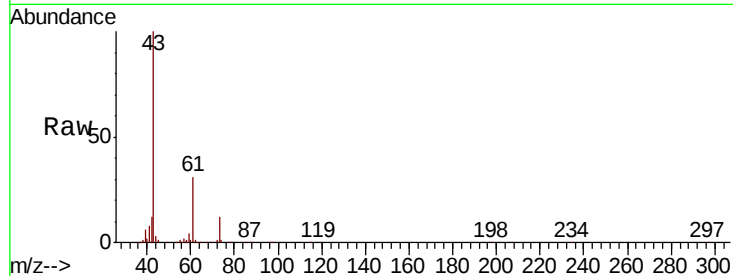
Isopropyl Acetate
 Concen: 50.739 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.4	38.2
87	0.4	0.3	0.5

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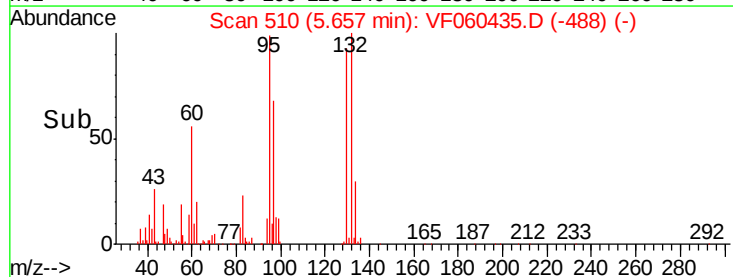
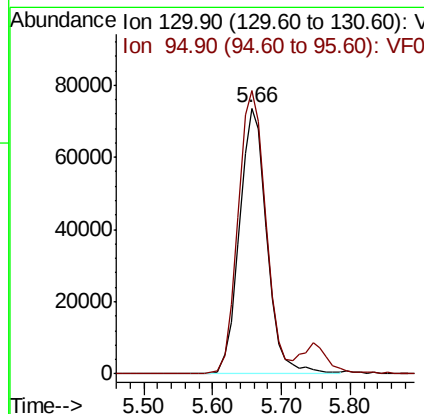
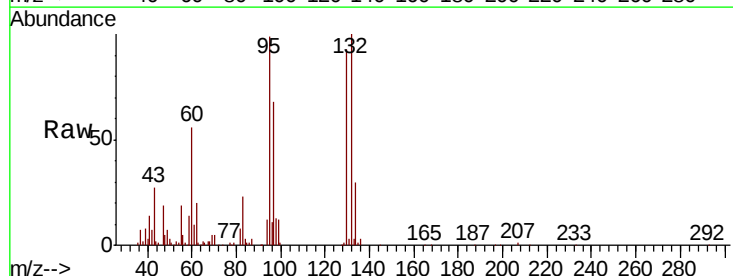
apatel
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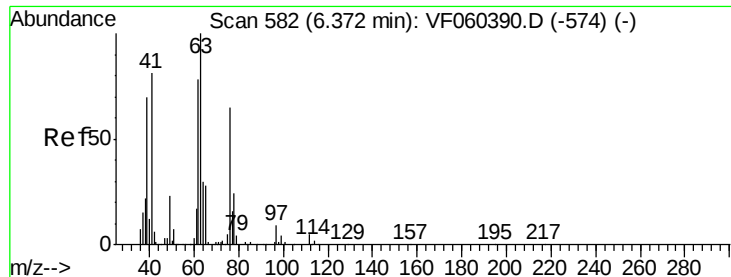


#44

Trichloroethene
 Concen: 49.258 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	224.4





#45

1,2-Dichloropropane

Concen: 53.219 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 181655

Ion Ratio Lower Upper

63 100

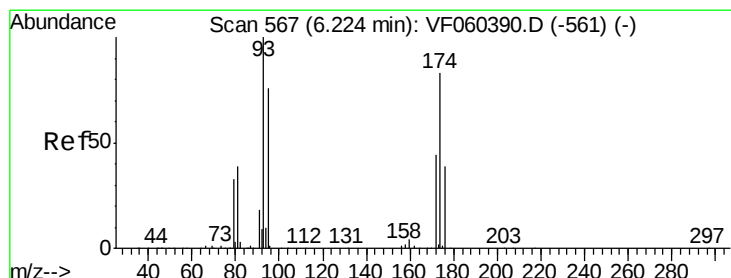
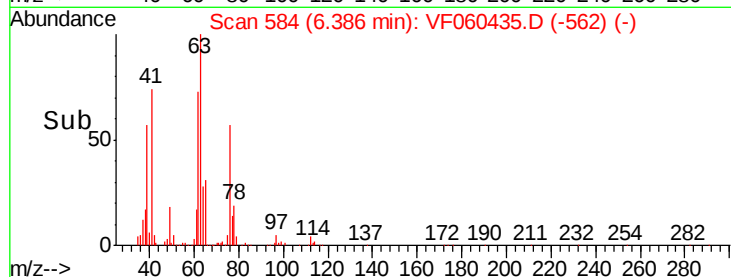
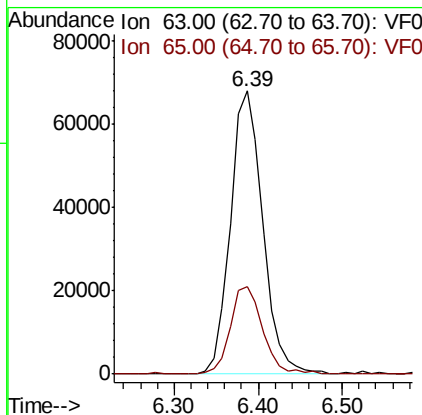
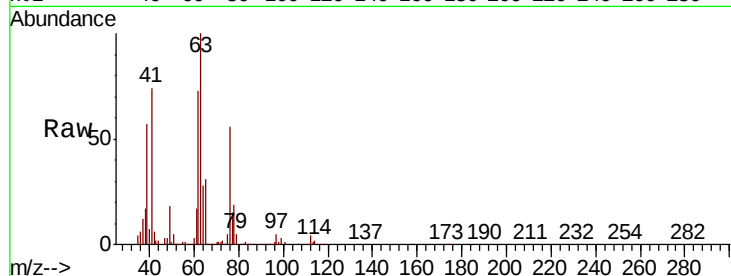
65 31.0 22.7 34.1

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#46

Dibromomethane

Concen: 44.676 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

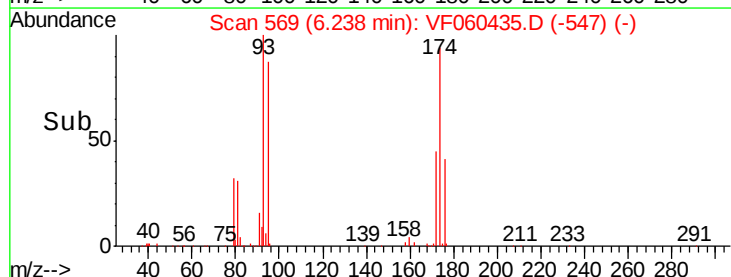
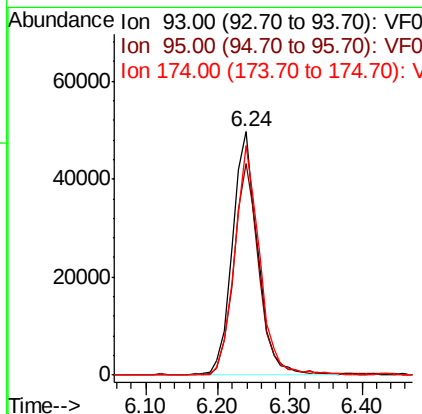
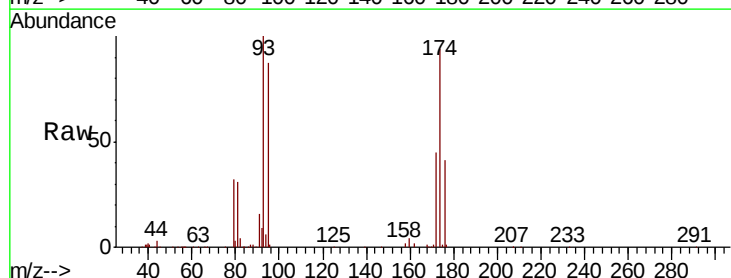
Tgt Ion: 93 Resp: 122608

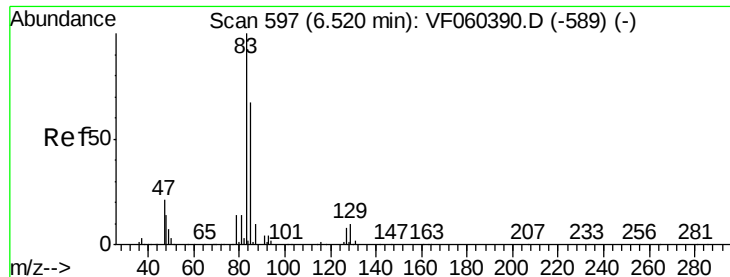
Ion Ratio Lower Upper

93 100

95 87.0 61.1 91.7

174 94.4 66.7 100.1





#47

Bromodichloromethane

Concen: 45.669 ug/l

RT: 6.53 min Scan# 599

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

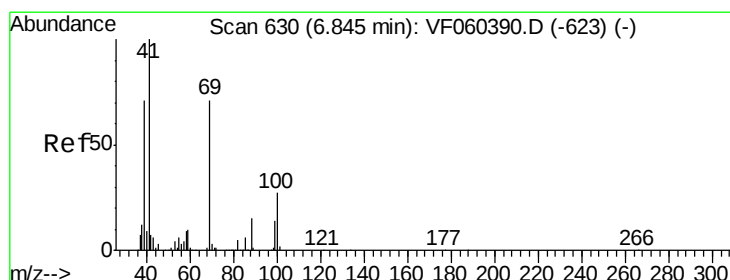
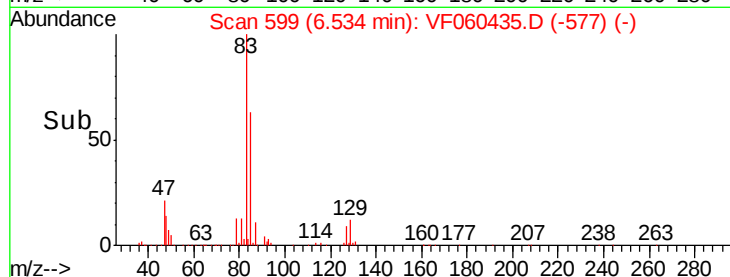
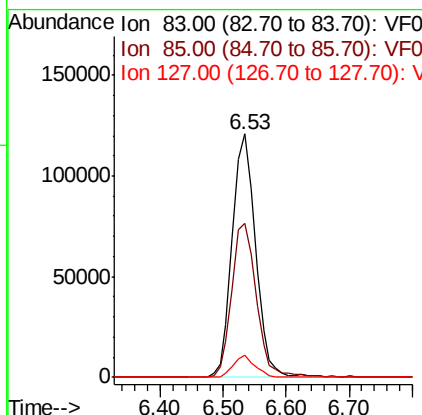
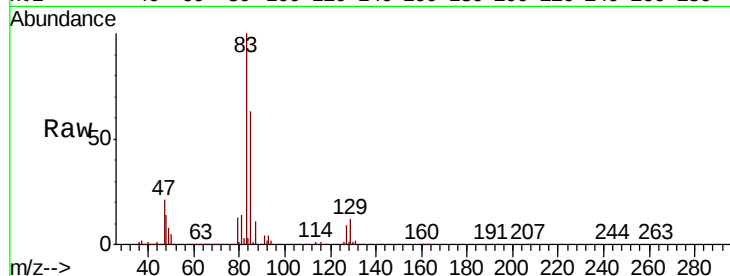
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	310407
Ion Ratio	Lower	Upper	
83	100		
85	63.4	53.2	79.8
127	9.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 46.331 ug/l

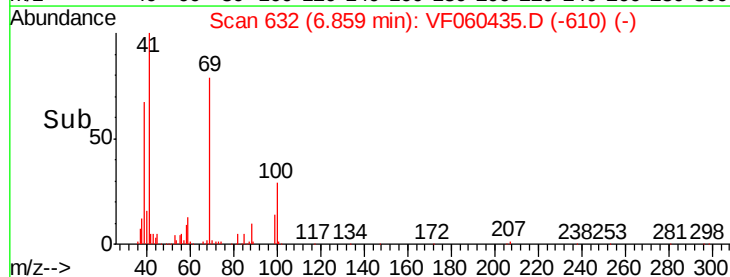
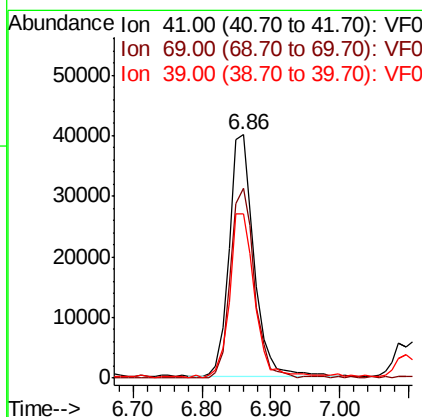
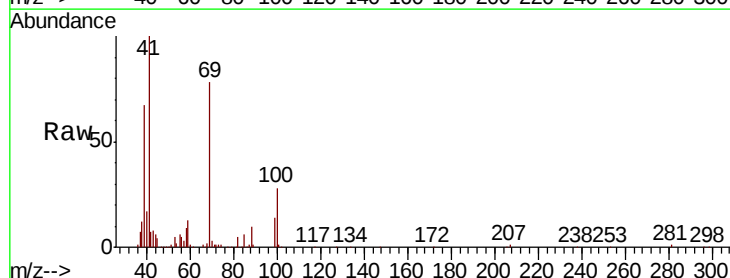
RT: 6.86 min Scan# 632

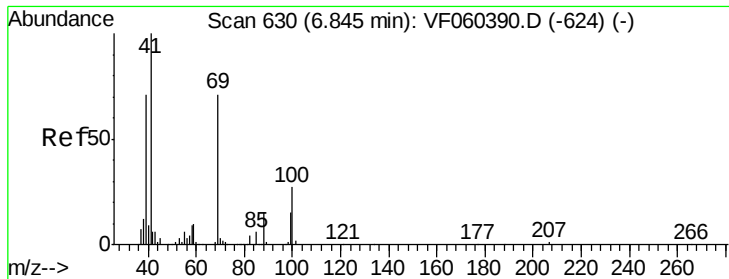
Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion:	41	Resp:	99371
Ion Ratio	Lower	Upper	
41	100		
69	77.8	56.3	84.5
39	67.3	56.9	85.3





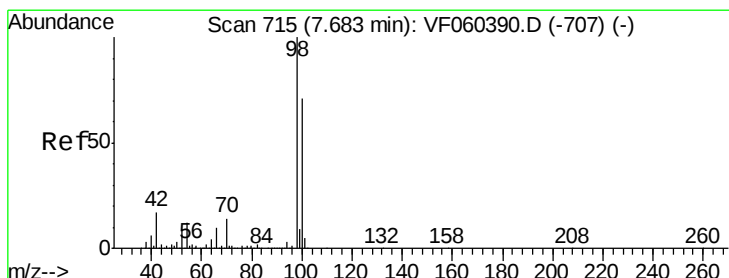
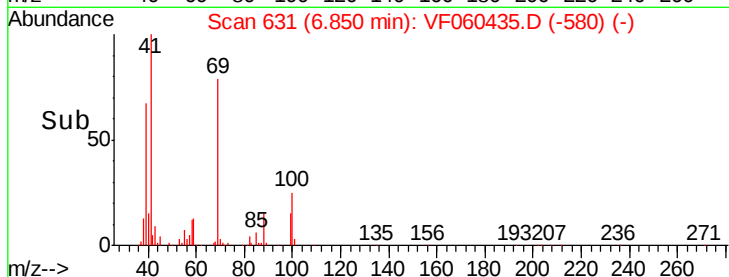
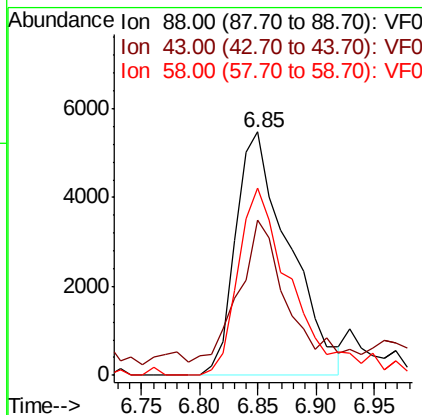
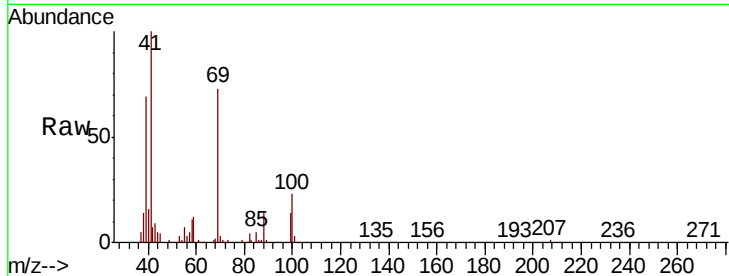
#49
1,4-Dioxane
Concen: 943.120 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	63.6	38.3	57.5#
58	77.1	47.4	71.2#

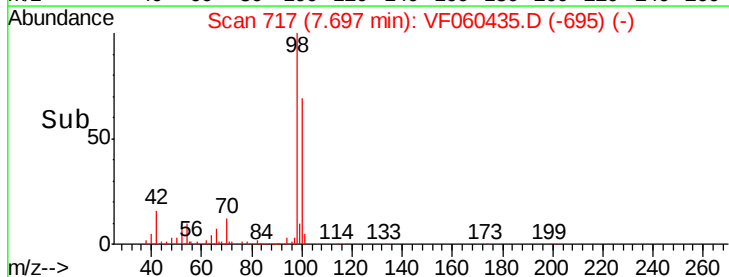
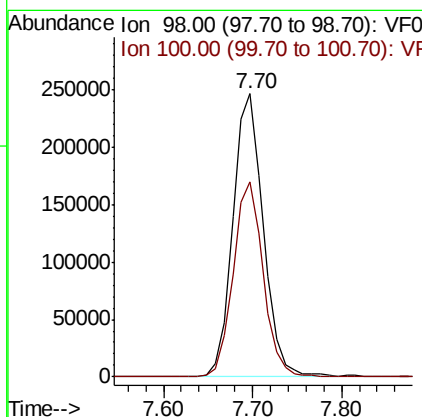
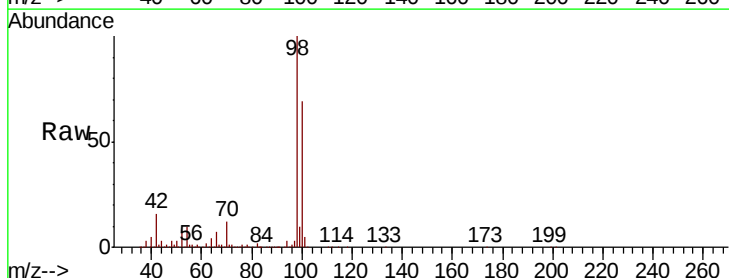
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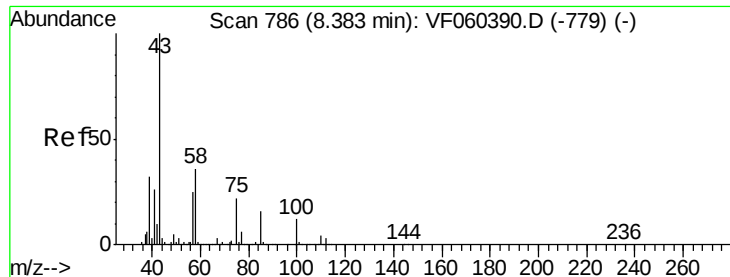
apatel
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#50
Toluene-d8
Concen: 48.431 ug/l
RT: 7.70 min Scan# 717
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 246.152 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 523540

Ion Ratio Lower Upper

43 100

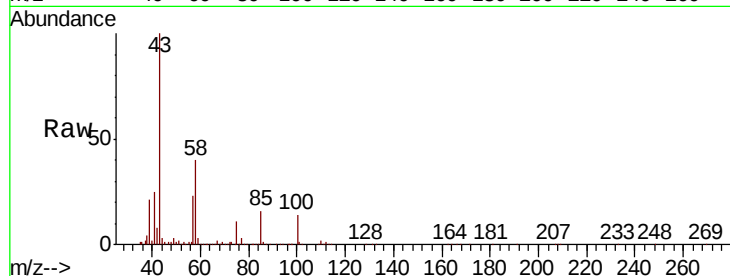
58 40.1 28.5 42.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

100000

50000

0

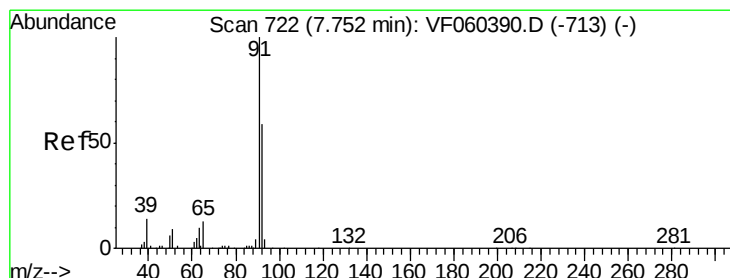
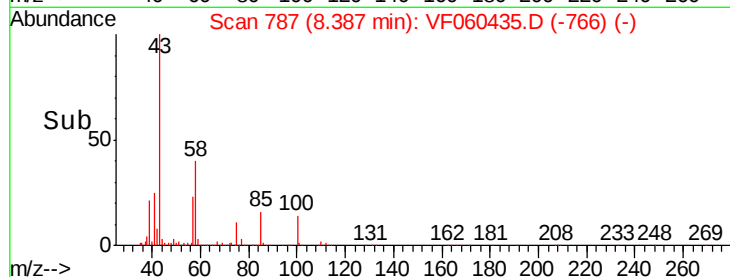
8.39

8.30

8.40

8.50

Time-->



#52

Toluene

Concen: 48.863 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060435.D

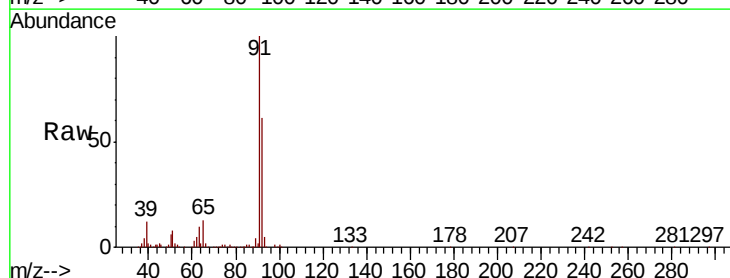
Acq: 4 Oct 2018 1:10

Tgt Ion: 92 Resp: 425393

Ion Ratio Lower Upper

92 100

91 164.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

200000

100000

0

7.77

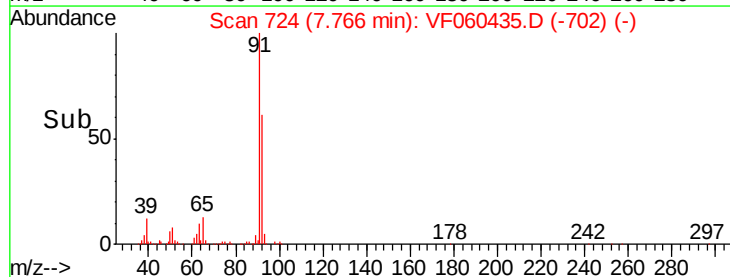
7.60

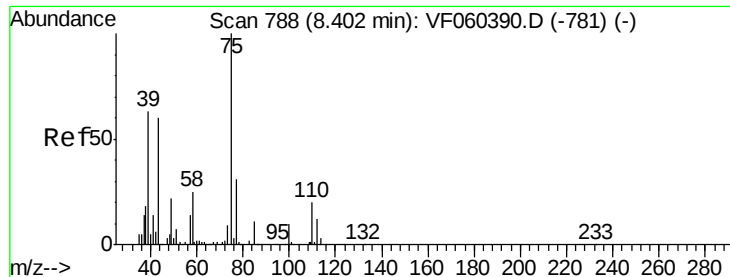
7.70

7.80

7.90

Time-->





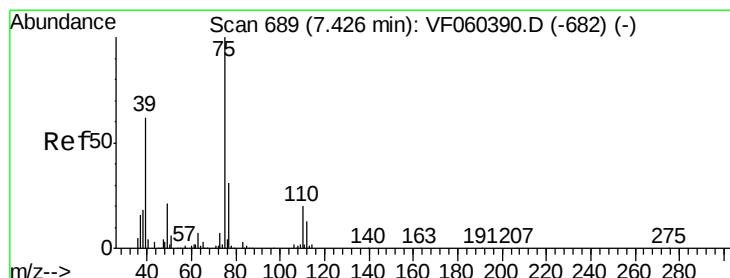
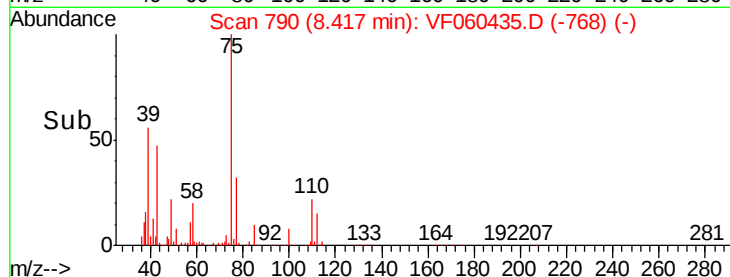
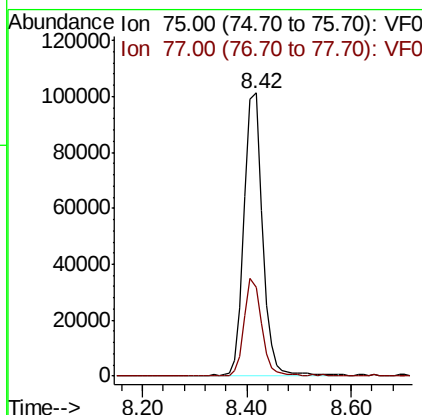
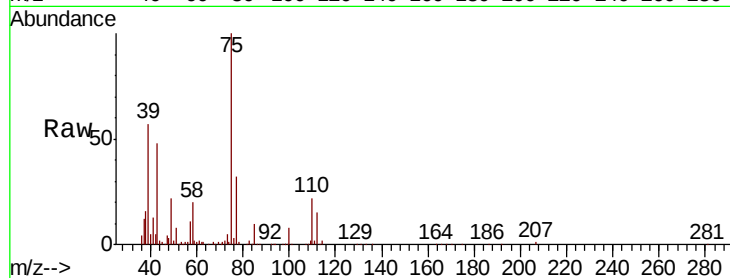
#53
 t-1,3-Dichloropropene
 Concen: 45.394 ug/l
 RT: 8.42 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 241798
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 36.8

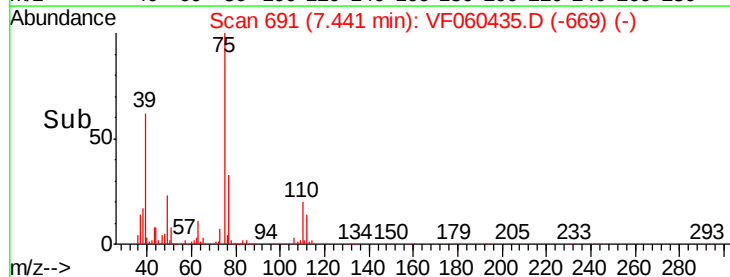
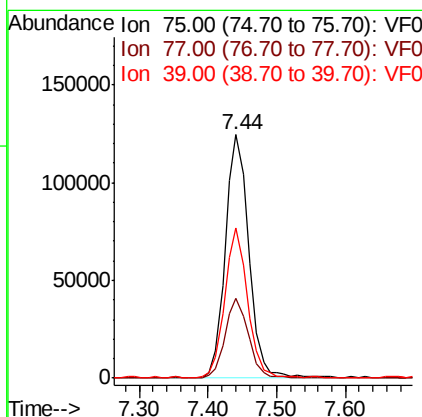
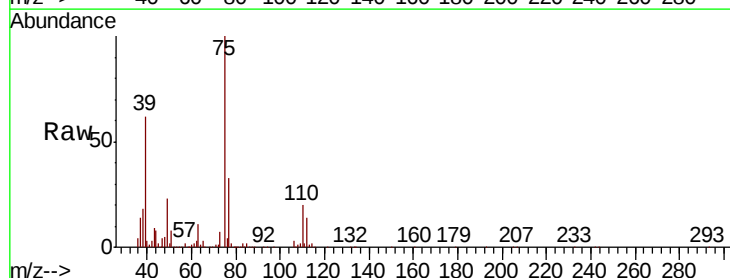
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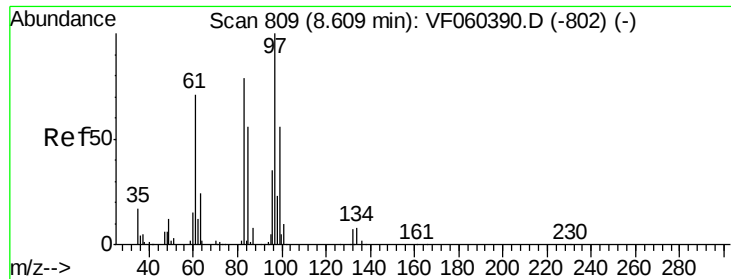
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 10/4/2018 2:07:22 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.373 ug/l
 RT: 7.44 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion: 75 Resp: 294916
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.2 37.8
 39 61.8 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 46.532 ug/l

RT: 8.62 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

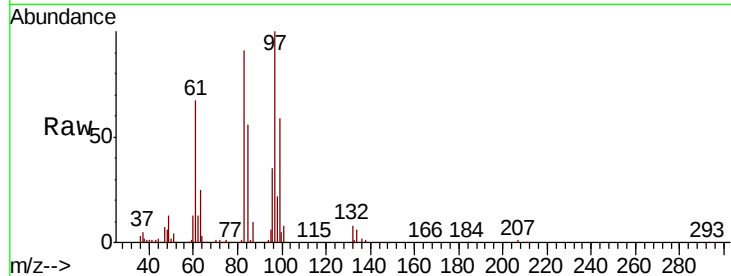
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	128404
Ion Ratio	Lower	Upper	
97	100		
83	91.1	63.4	95.0
85	55.8	44.5	66.7
99	59.1	45.1	67.7

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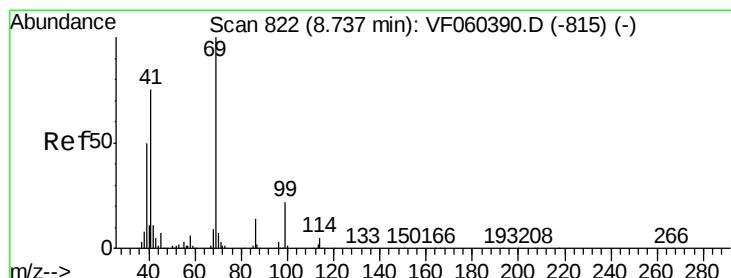
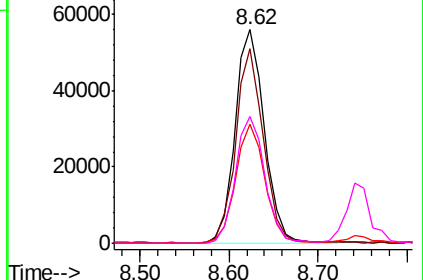
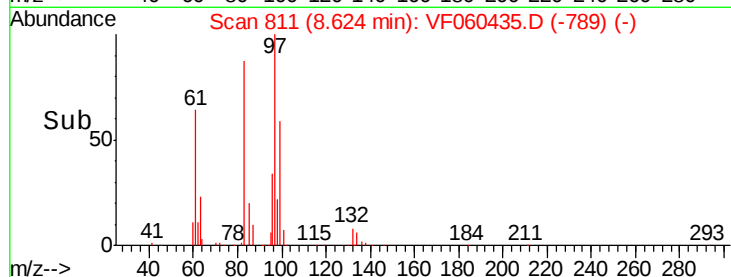


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 49.337 ug/l

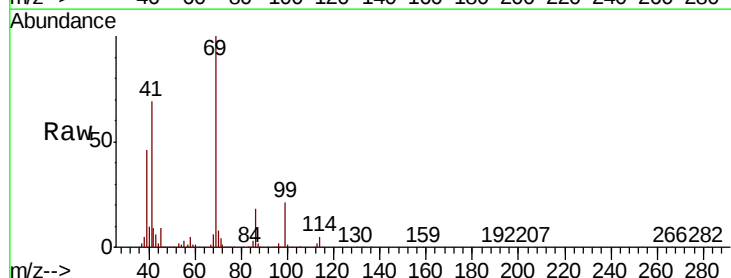
RT: 8.74 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

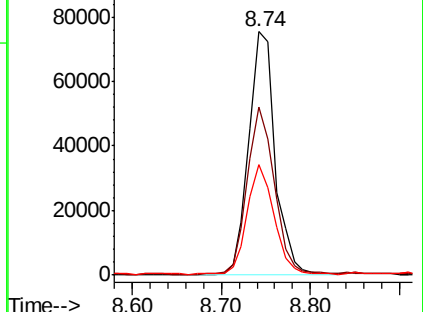
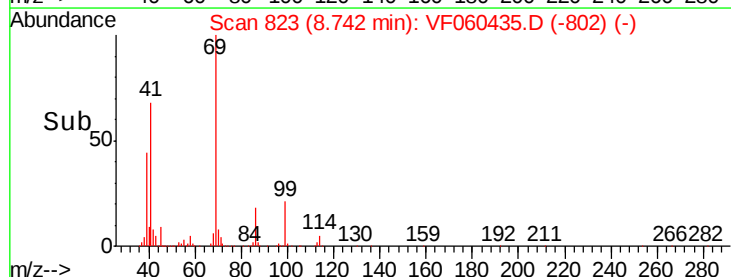
Tgt Ion:	69	Resp:	154704
Ion Ratio	Lower	Upper	
69	100		
41	69.2	60.2	90.4
39	45.5	40.2	60.2

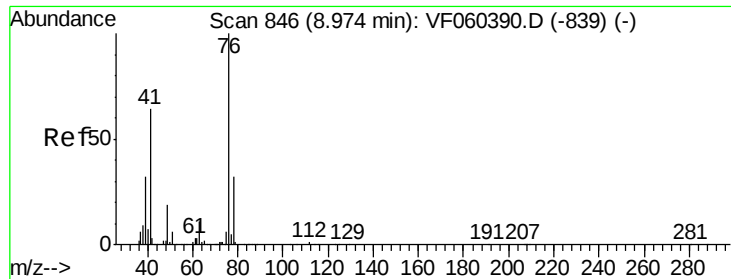


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.414 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 221342

Ion Ratio Lower Upper

76 100

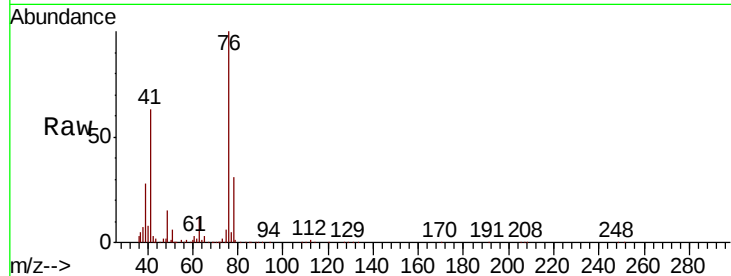
78 30.6 25.3 37.9

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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

100000

80000

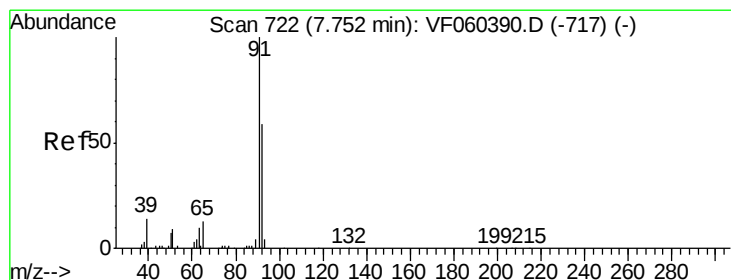
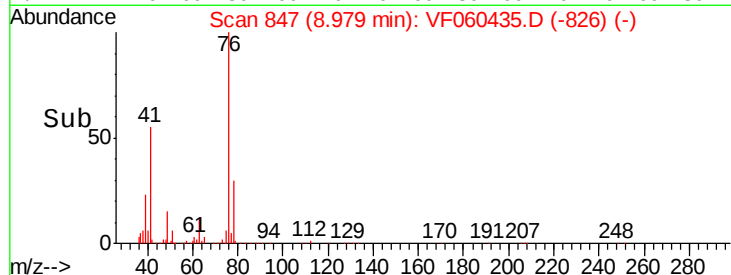
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 217.928 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060435.D

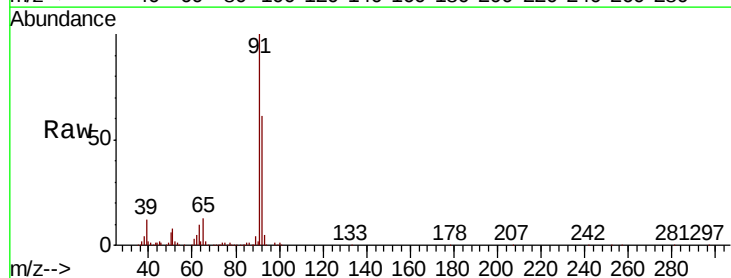
Acq: 4 Oct 2018 1:10

Tgt Ion: 63 Resp: 69801

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

7.77

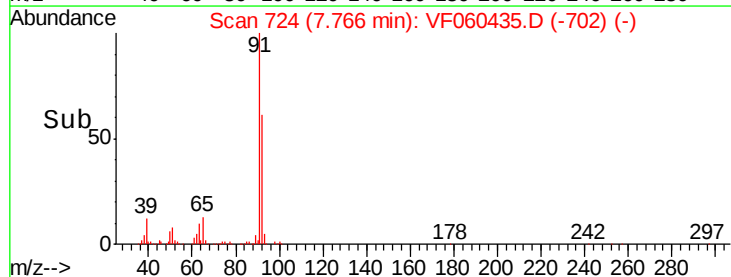
30000

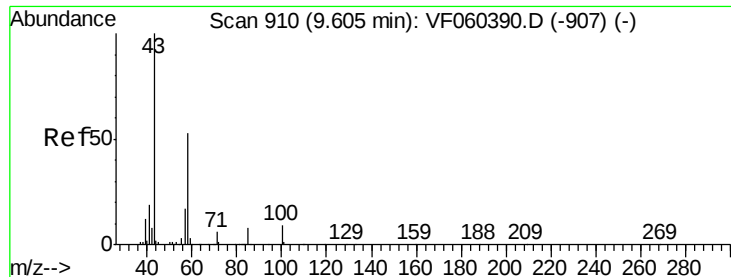
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10000

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Time-->





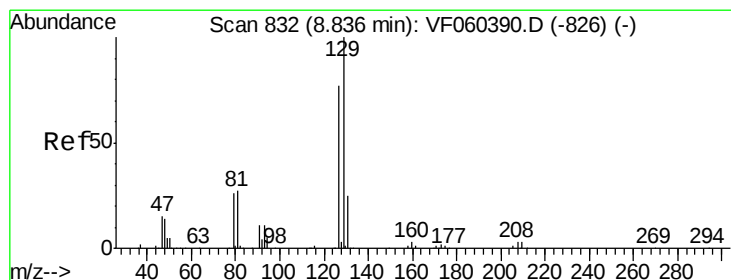
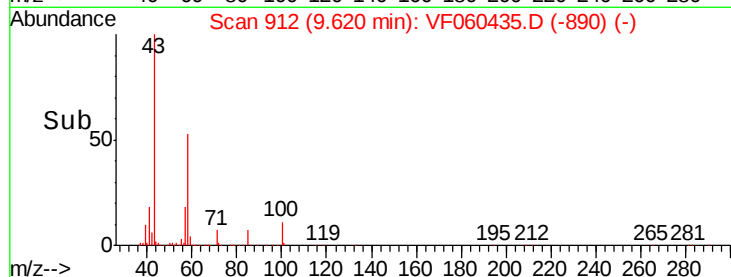
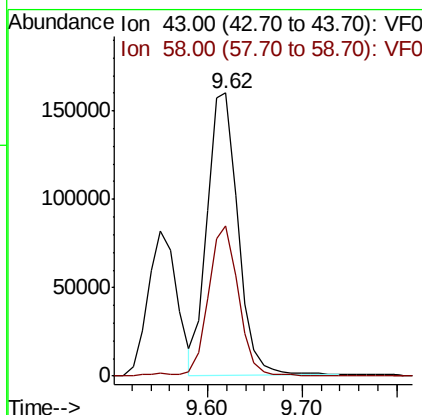
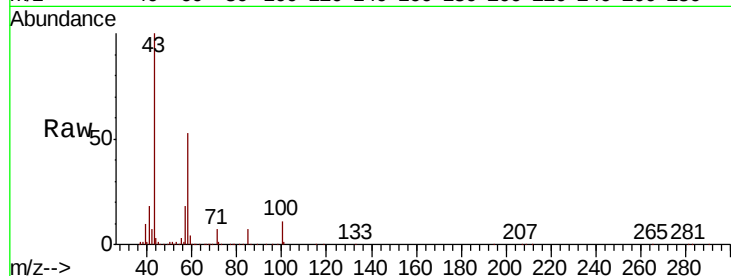
#59
2-Hexanone
Concen: 230.891 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	25.6	76.6

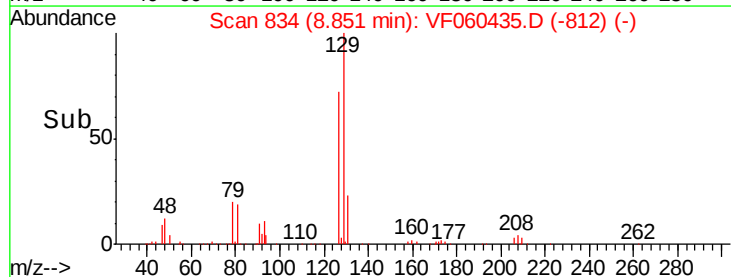
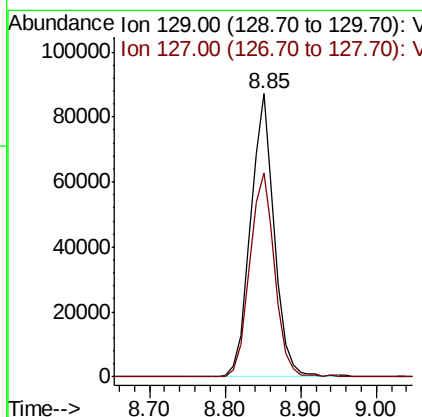
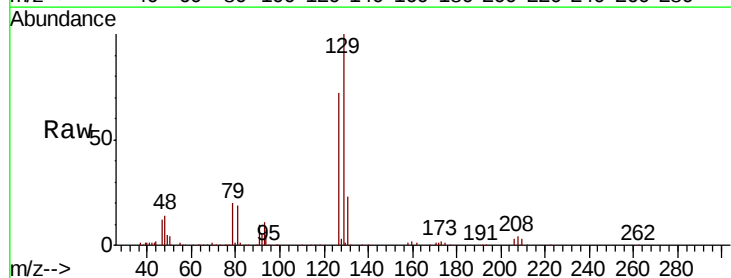
Manual Integrations
APPROVED

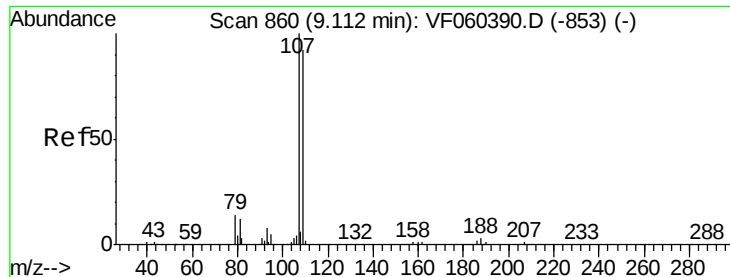
apatel
10/4/2018 2:07:22 PM



#60
Dibromochloromethane
Concen: 45.800 ug/l
RT: 8.85 min Scan# 834
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.1	38.3	114.8





#61

1,2-Dibromoethane

Concen: 49.873 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 150590

Ion Ratio Lower Upper

107 100

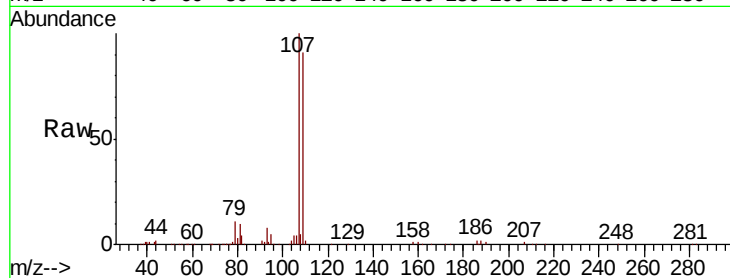
109 90.7 73.7 110.5

Manual Integrations

APPROVED

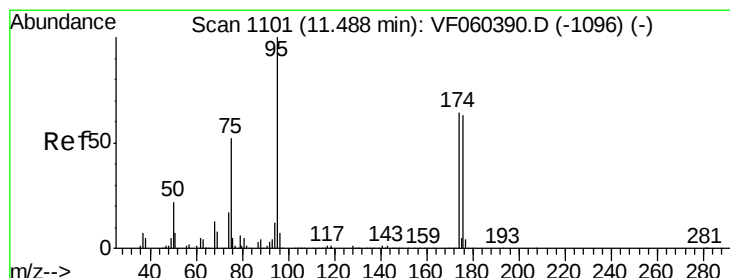
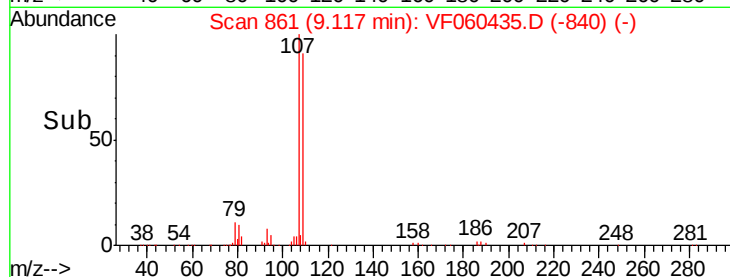
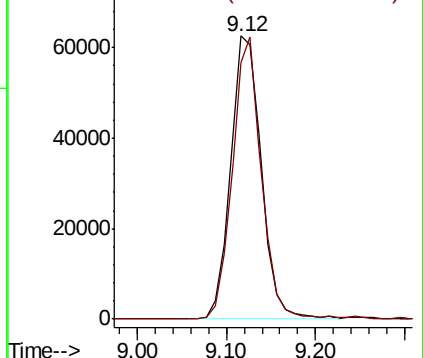
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.320 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

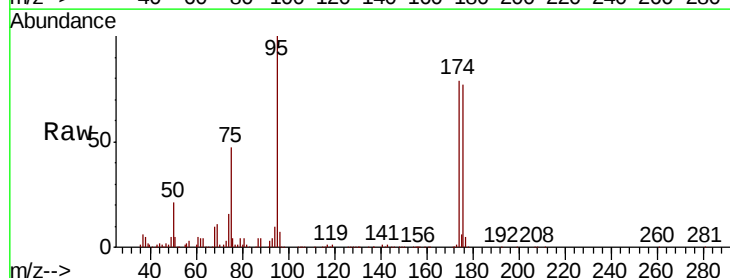
Tgt Ion: 95 Resp: 245183

Ion Ratio Lower Upper

95 100

174 79.0 0.0 129.0

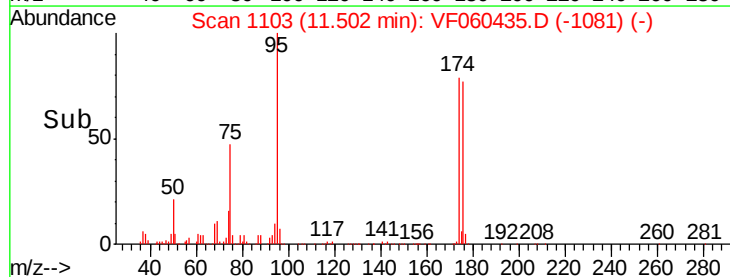
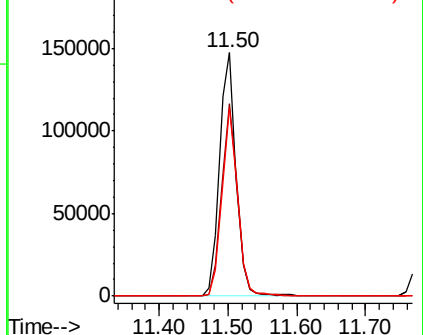
176 77.4 0.0 125.6

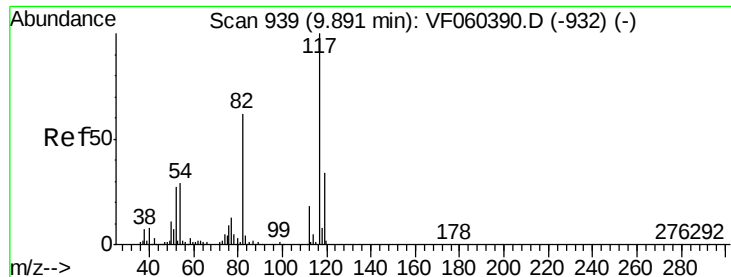


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





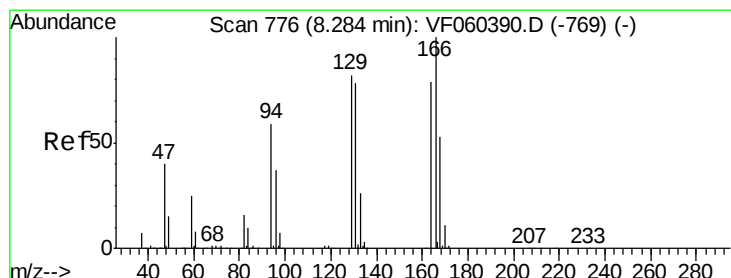
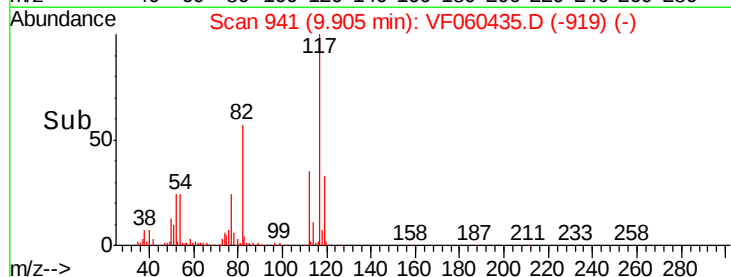
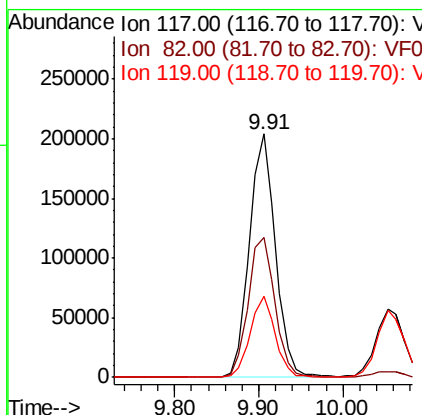
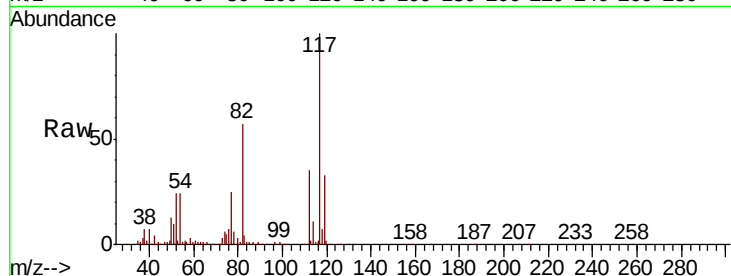
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	49.5	74.3
119	33.4	27.0	40.6

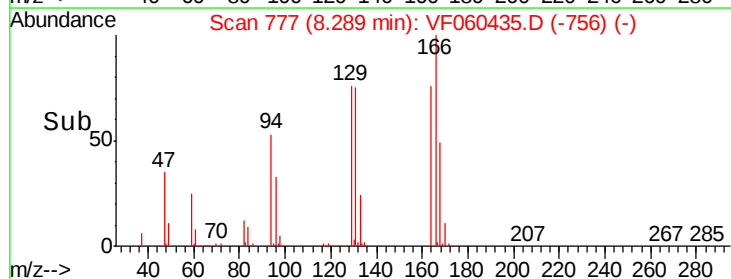
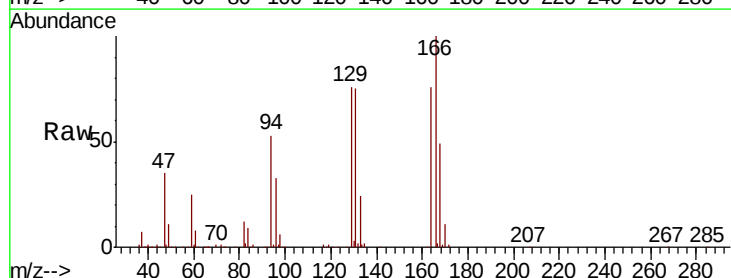
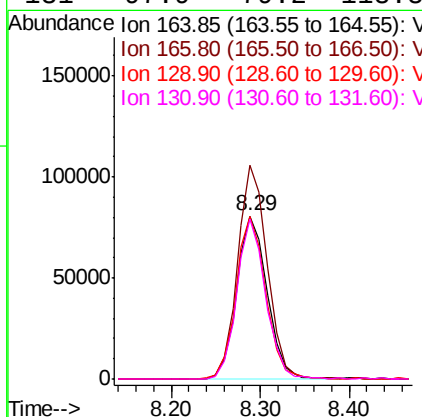
Manual Integrations
APPROVED

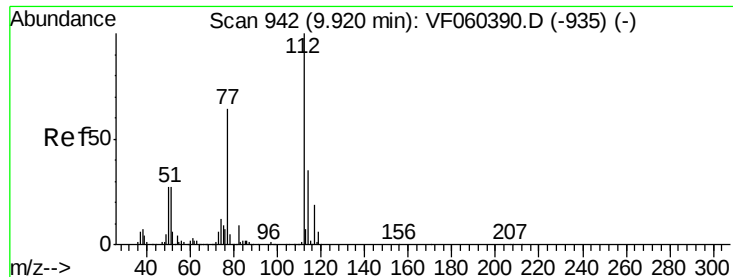
apatel
10/4/2018 2:07:22 PM



#64
Tetrachloroethene
Concen: 53.954 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.0	151.6
129	99.9	82.5	123.7
131	97.9	79.2	118.8





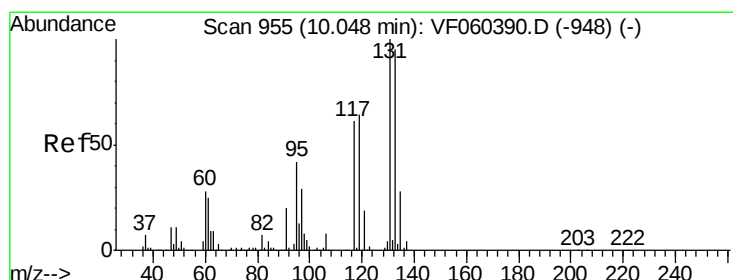
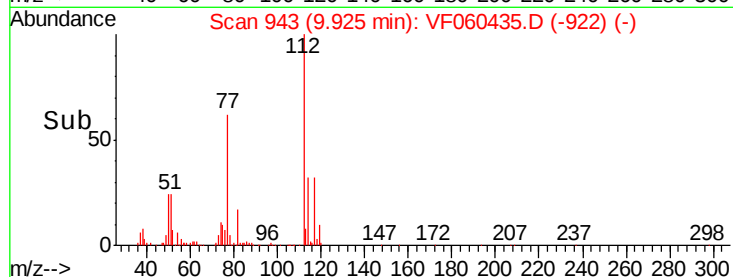
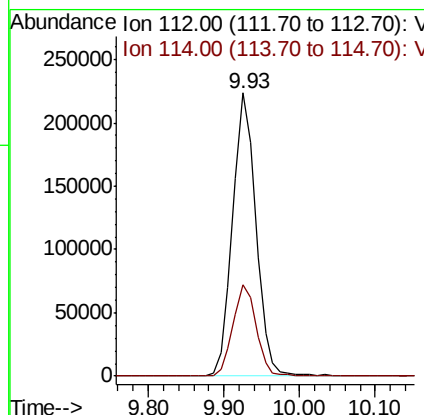
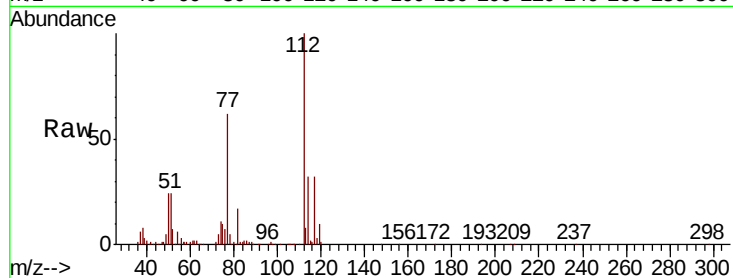
#65
Chlorobenzene
Concen: 52.420 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.7	41.5

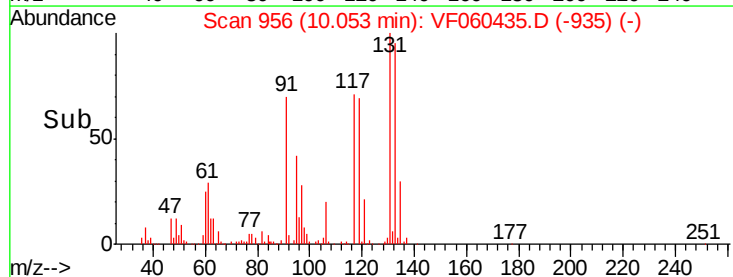
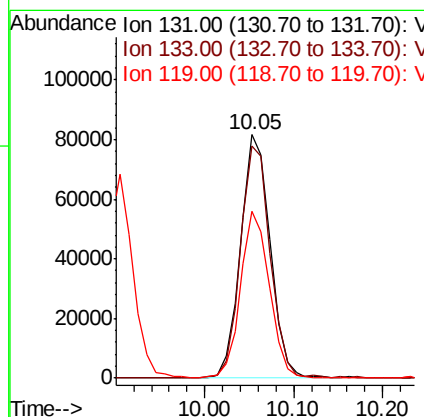
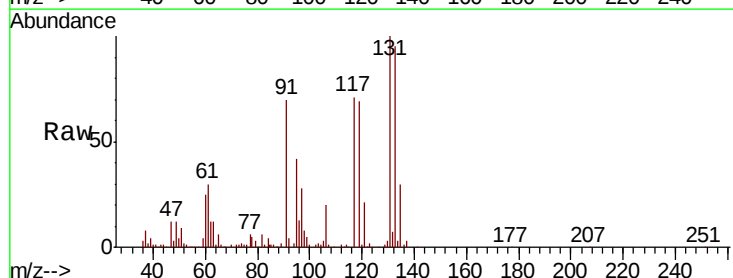
Manual Integrations
APPROVED

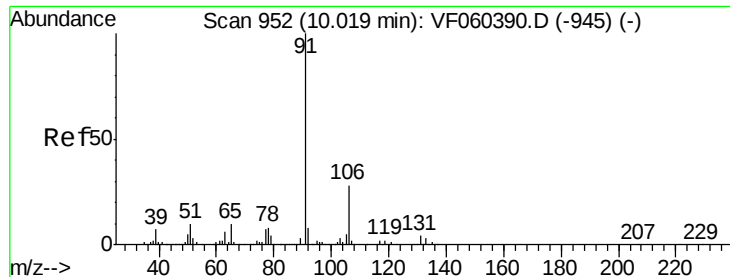
apatel
10/4/2018 2:07:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.440 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.8
119	68.5	32.3	96.9





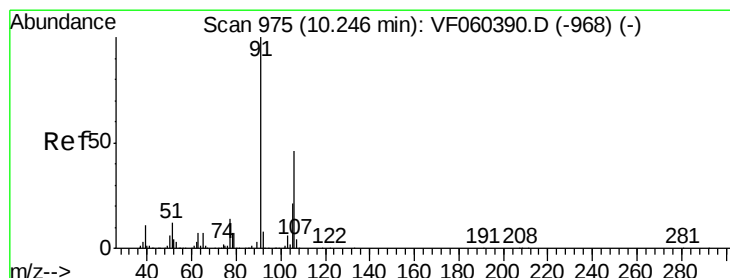
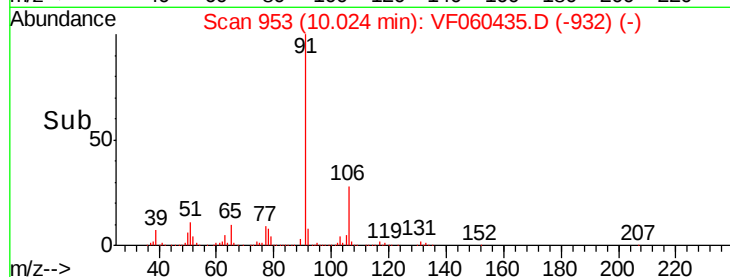
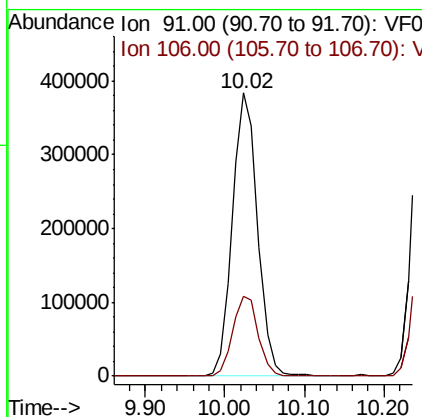
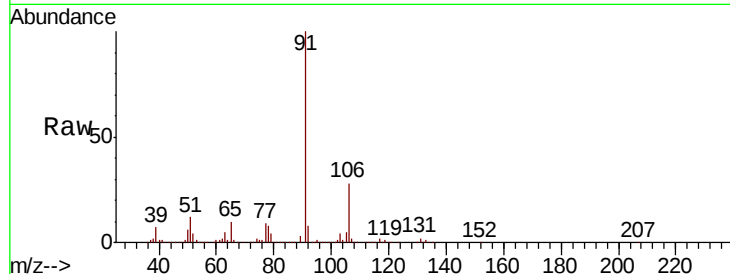
#67
Ethyl Benzene
Concen: 49.039 ug/l
RT: 10.02 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 848573
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7

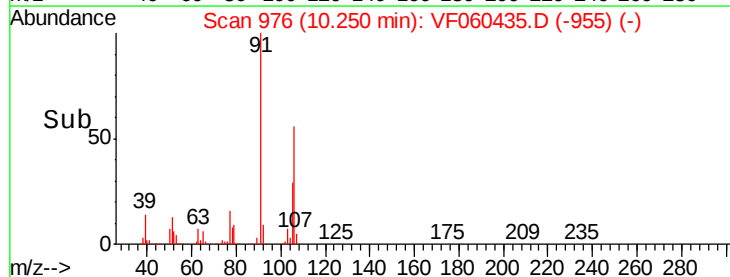
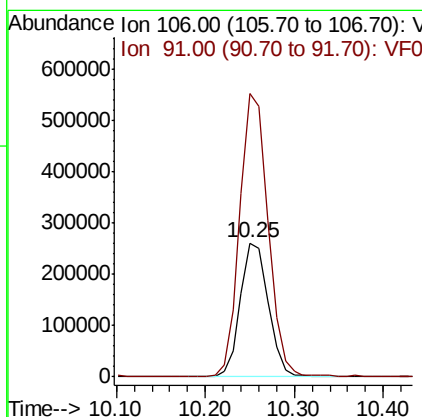
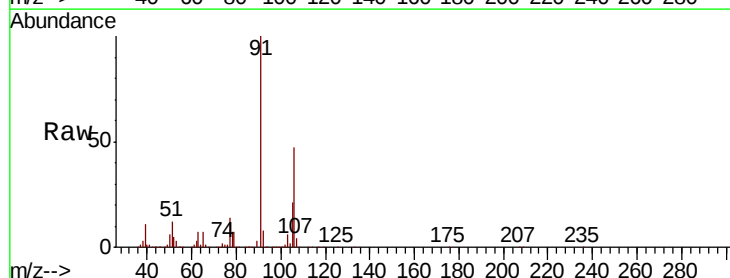
Manual Integrations
APPROVED

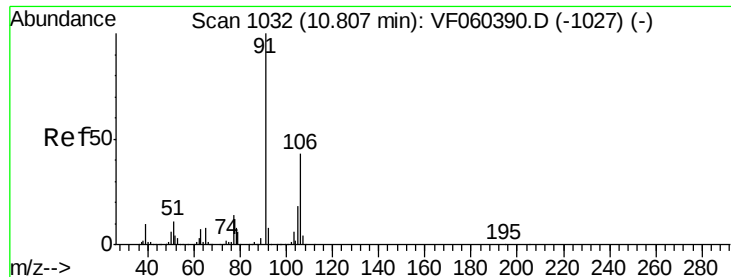
apatel
10/4/2018 2:07:22 PM



#68
m/p-Xylenes
Concen: 96.260 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion: 106 Resp: 572602
Ion Ratio Lower Upper
106 100
91 211.0 175.0 262.6





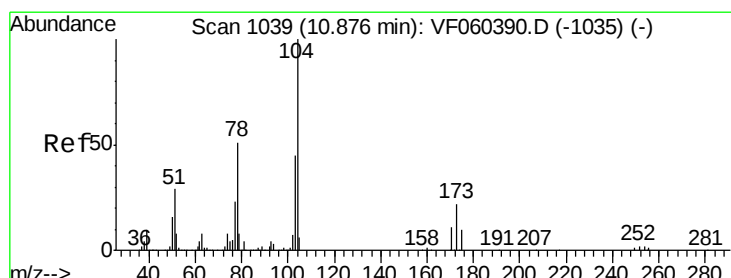
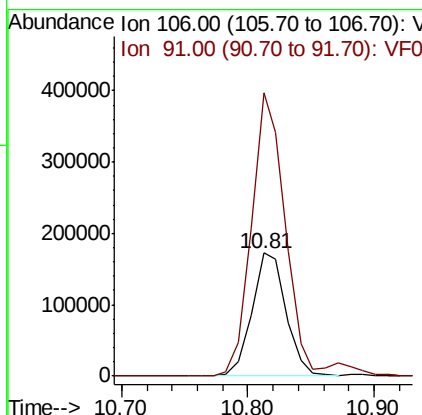
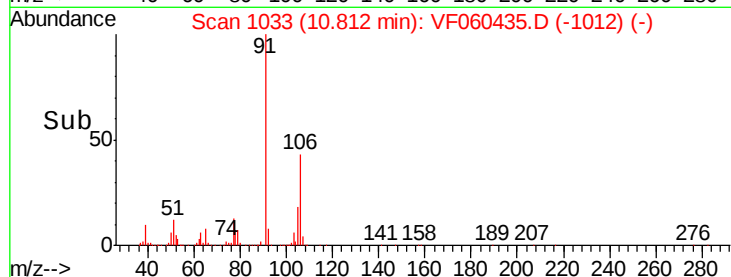
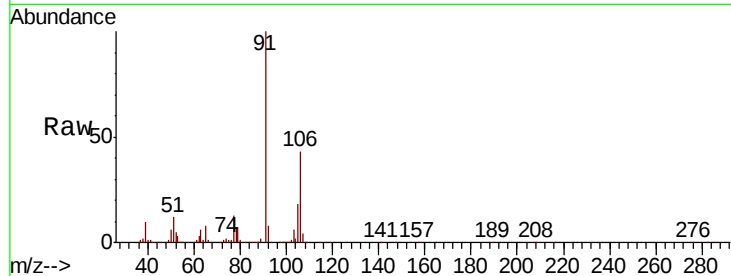
#69
o-Xylene
Concen: 49.868 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	230.5	115.1	345.2	

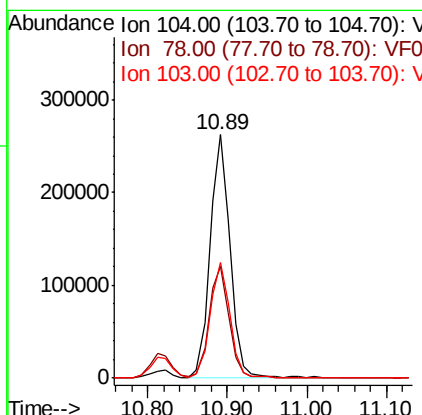
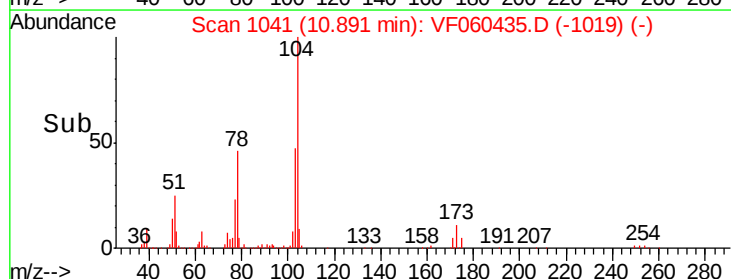
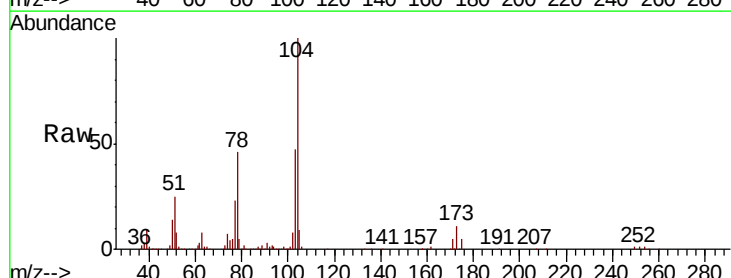
Manual Integrations
APPROVED

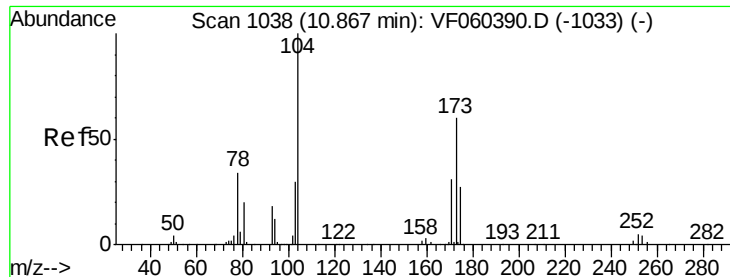
apatel
10/4/2018 2:07:22 PM



#70
Styrene
Concen: 49.792 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	46.0	41.0	61.4	
103	47.3	36.4	54.6	





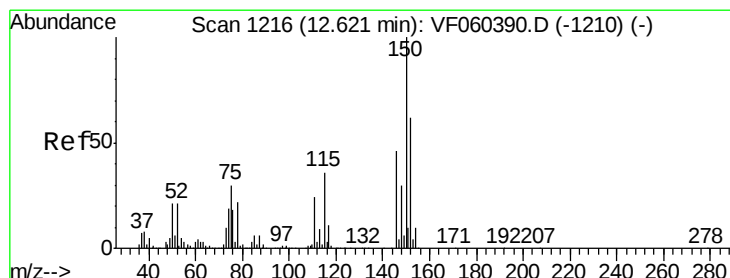
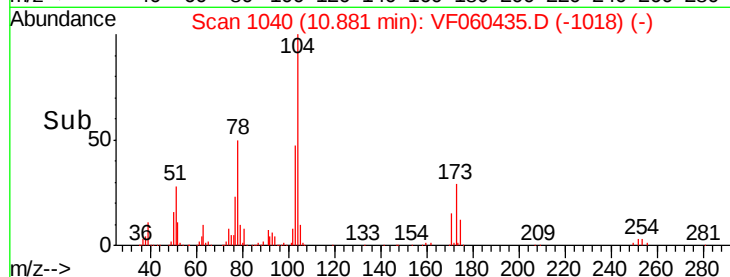
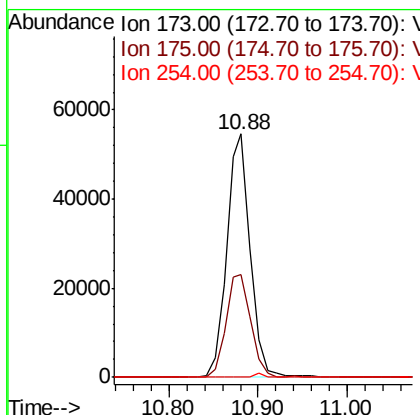
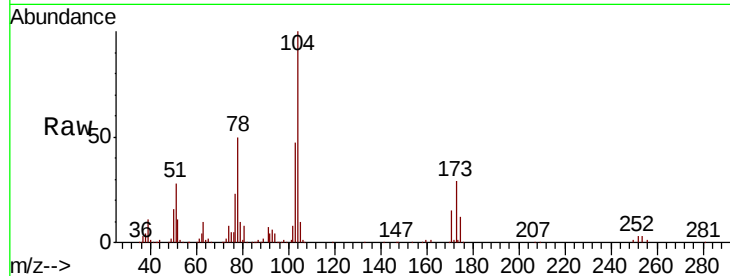
#71
Bromoform
Concen: 47.896 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	41.3	22.1	66.1
254	0.0	0.0	0.0

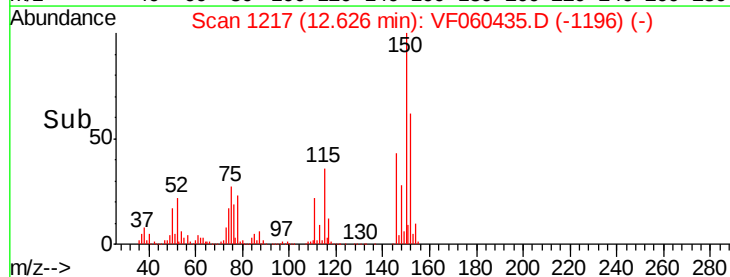
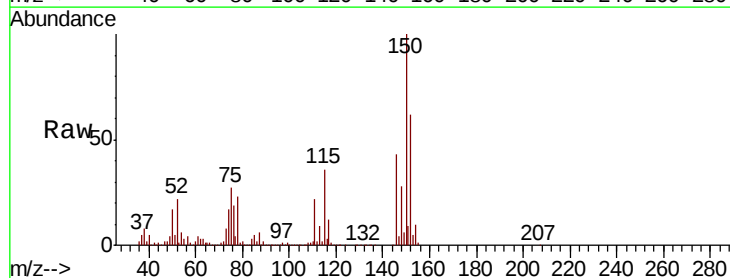
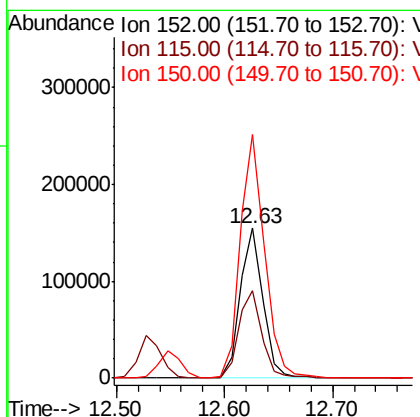
Manual Integrations
APPROVED

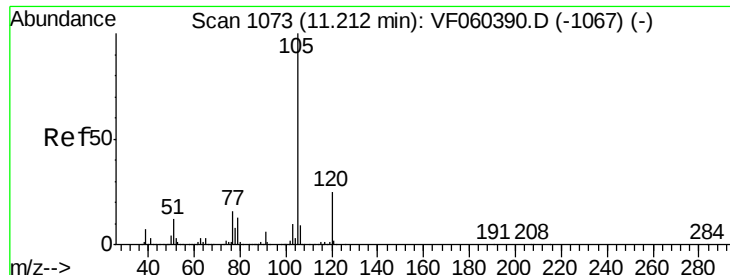
apatel
10/4/2018 2:07:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.6	85.8
150	162.2	0.0	324.6





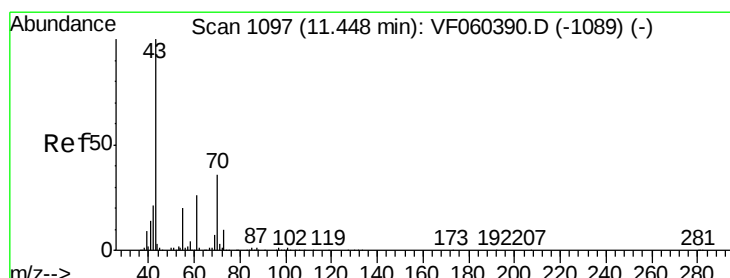
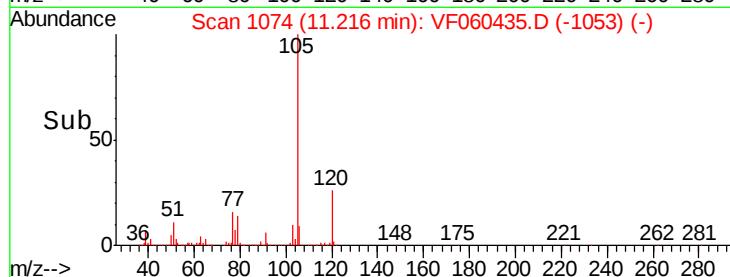
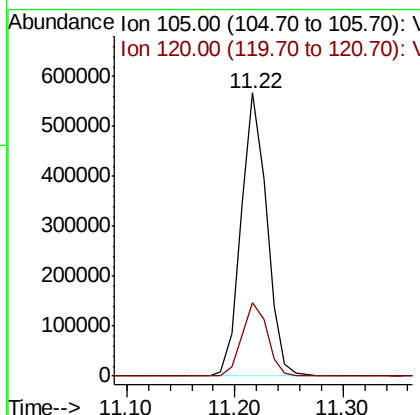
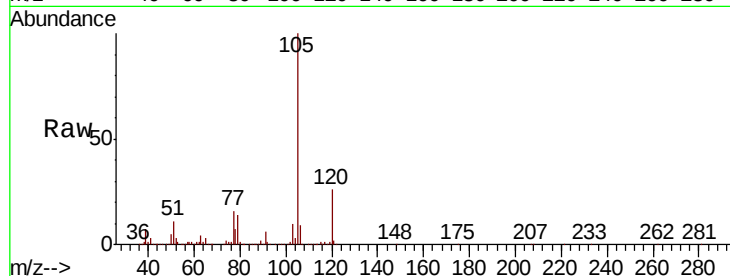
#73
Isopropylbenzene
Concen: 52.584 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.3	36.9

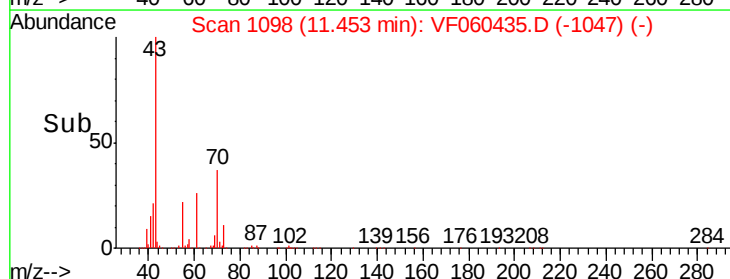
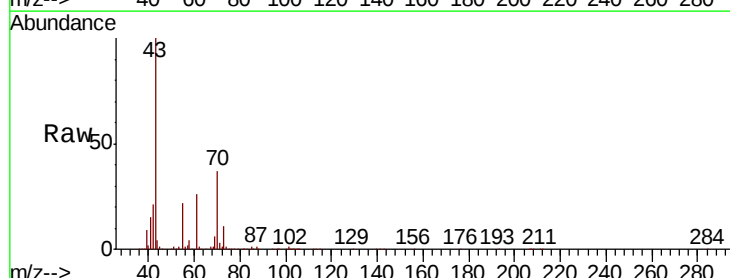
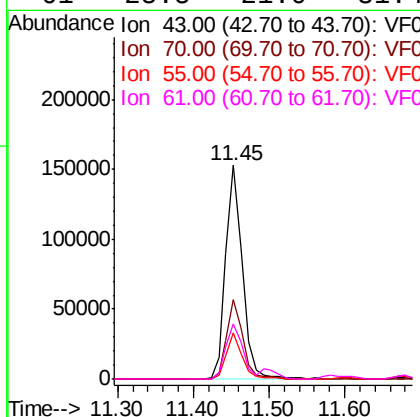
Manual Integrations
APPROVED

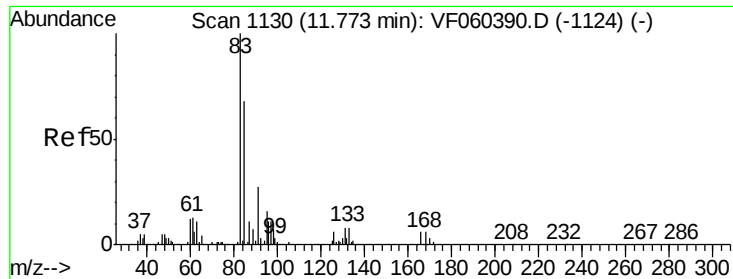
apatel
10/4/2018 2:07:22 PM



#74
N-ethyl acetate
Concen: 57.173 ug/l
RT: 11.45 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	29.1	43.7
55	21.9	16.3	24.5
61	25.5	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.125 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

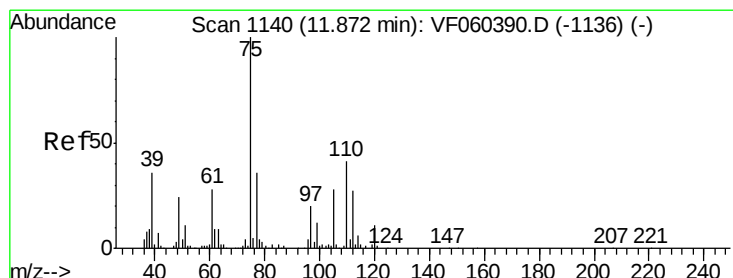
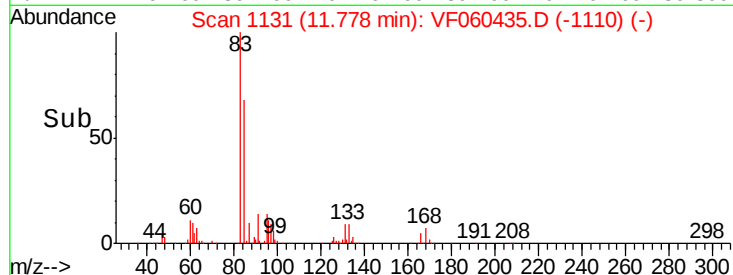
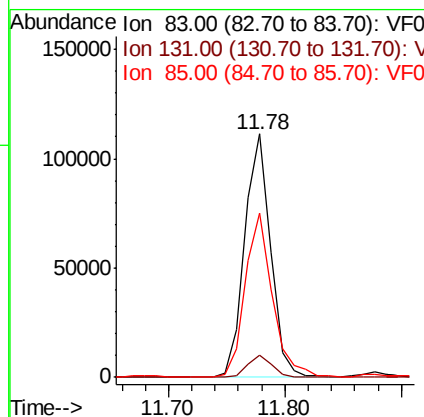
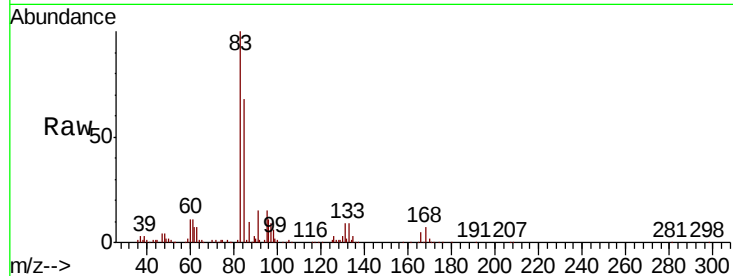
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172216
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.0	12.0
85	67.6	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 52.078 ug/l

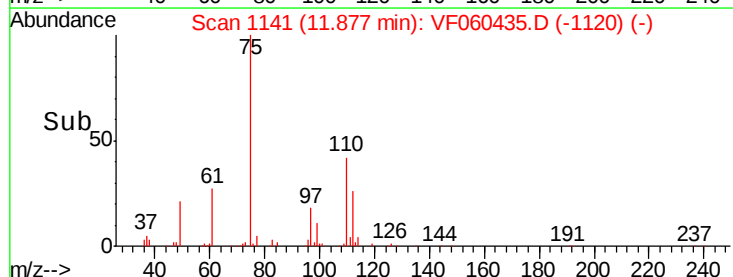
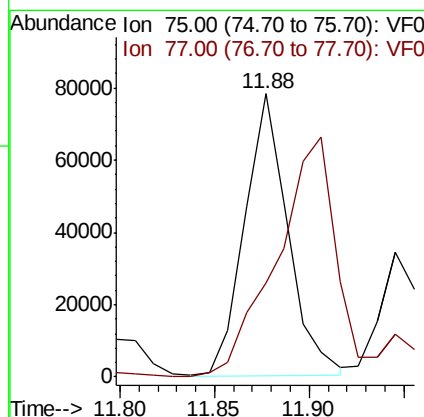
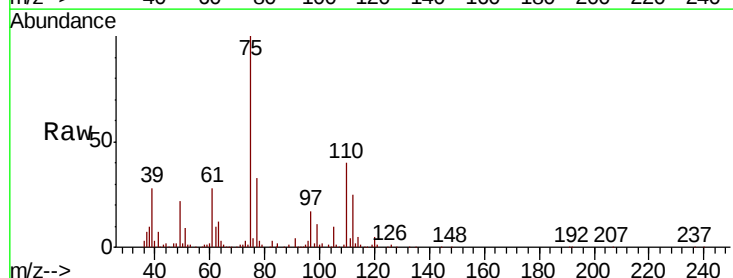
RT: 11.88 min Scan# 1141

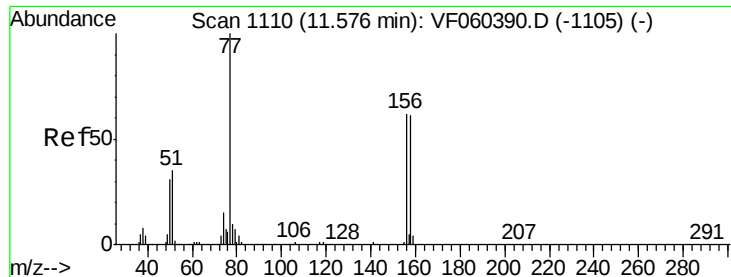
Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion:	75	Resp:	124285
Ion Ratio	Lower	Upper	
75	100		
77	33.4	18.1	54.4





#77

Bromobenzene

Concen: 51.953 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

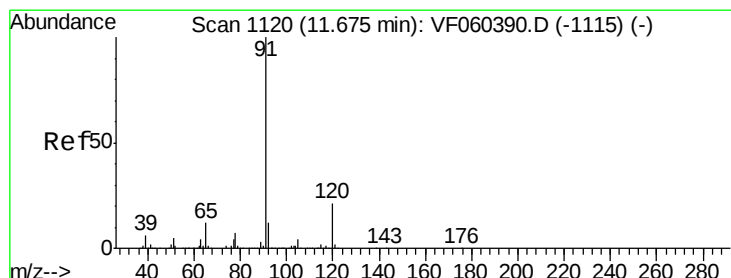
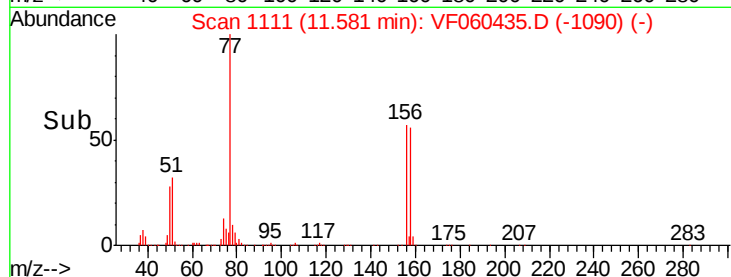
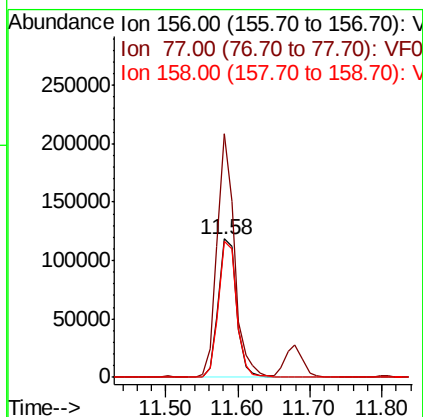
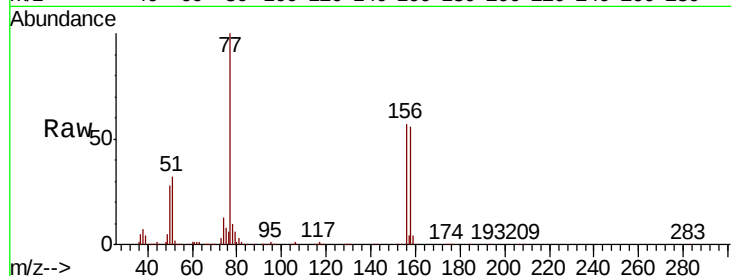
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	206497
Ion Ratio	Lower	Upper	
156	100		
77	176.2	81.3	243.9
158	98.8	49.6	149.0

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#78

n-propylbenzene

Concen: 51.302 ug/l

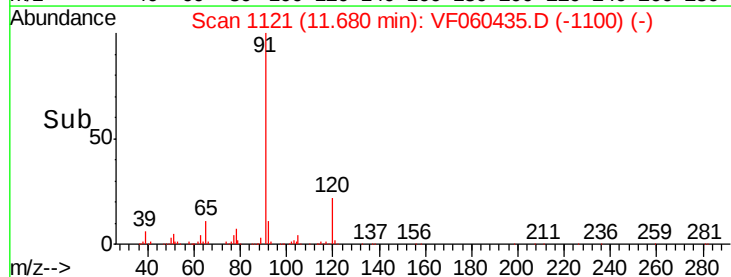
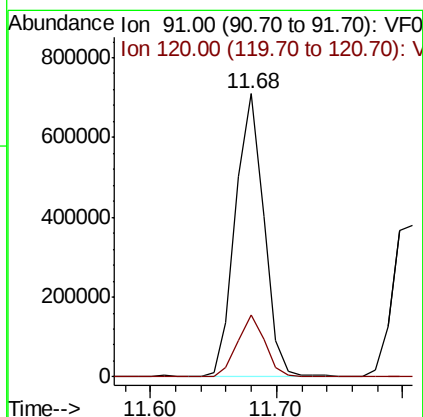
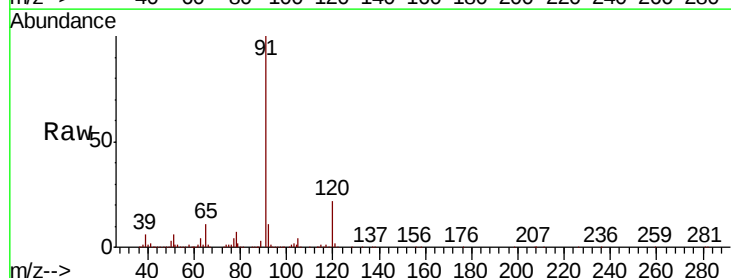
RT: 11.68 min Scan# 1121

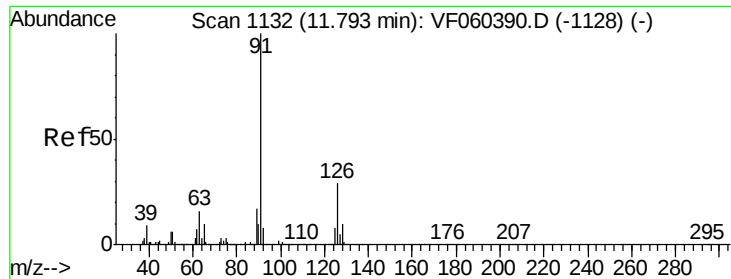
Delta R.T. 0.00 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Tgt Ion:	91	Resp:	1105857
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.5	31.6





#79

2-Chlorotoluene

Concen: 50.486 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF060435.D

Acq: 4 Oct 2018 1:10

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 636589

Ion Ratio Lower Upper

91 100

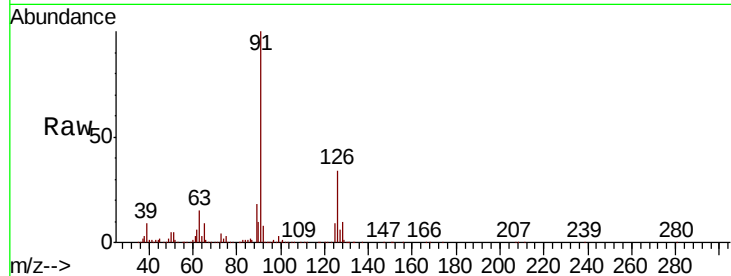
126 34.3 14.4 43.4

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Abundance Ion 91.00 (90.70 to 91.70): VF060390.D (-1128) (-)

Ion 126.00 (125.70 to 126.70): VF060390.D (-1128) (-)

11.81

400000

300000

200000

100000

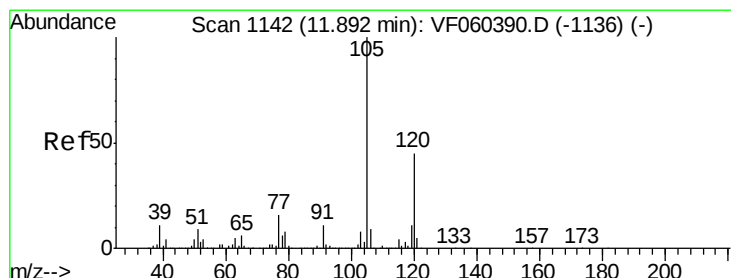
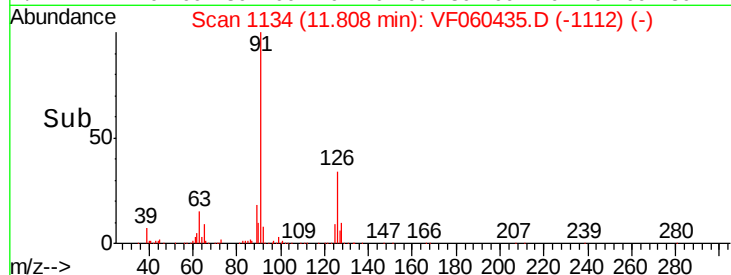
0

Time-->

11.70

11.80

11.90



#80

1,3,5-Trimethylbenzene

Concen: 50.029 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060435.D

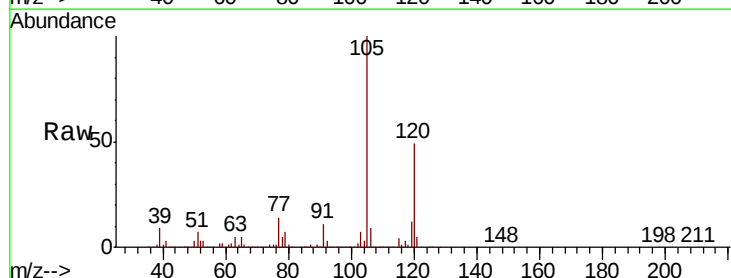
Acq: 4 Oct 2018 1:10

Tgt Ion: 105 Resp: 755779

Ion Ratio Lower Upper

105 100

120 48.8 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): VF060390.D (-1136) (-)

Ion 120.00 (119.70 to 120.70): VF060390.D (-1136) (-)

11.91

500000

400000

300000

200000

100000

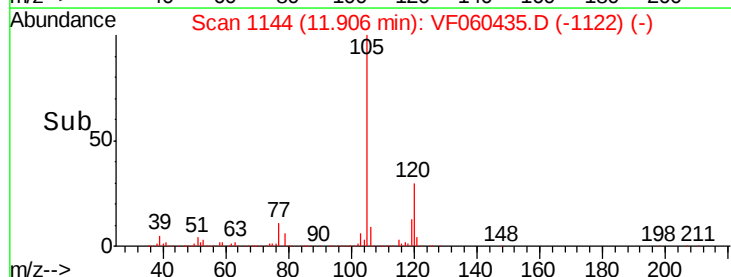
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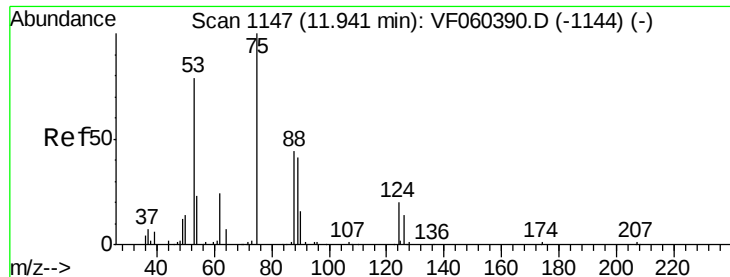
Time-->

11.80

11.90

12.00





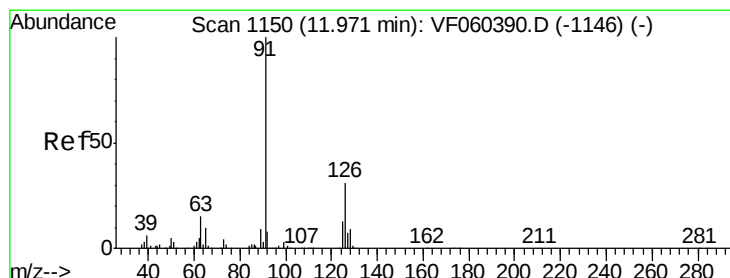
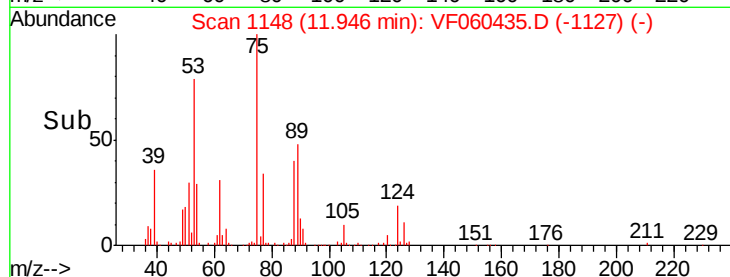
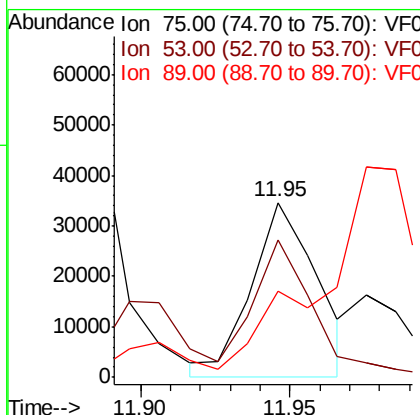
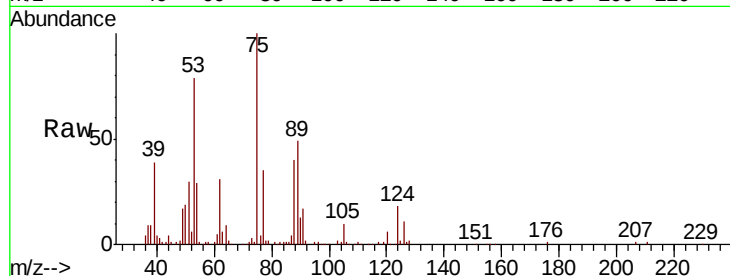
#81
trans-1,4-Dichloro-2-butene
Concen: 49.553 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.0	67.8	101.8
89	49.0	36.7	55.1

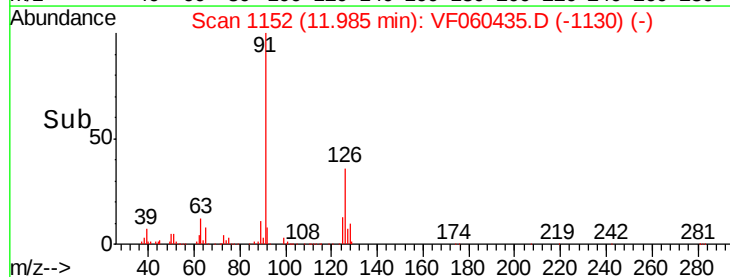
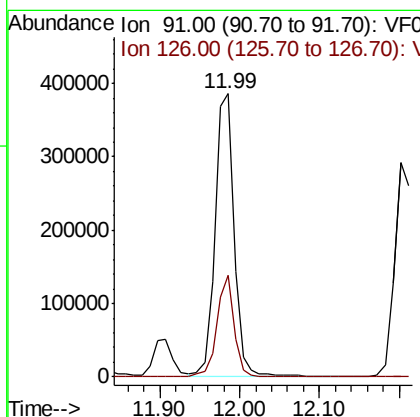
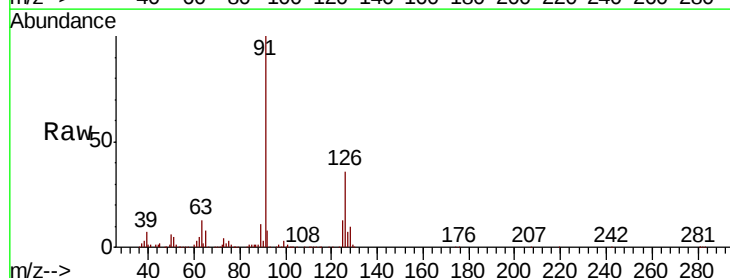
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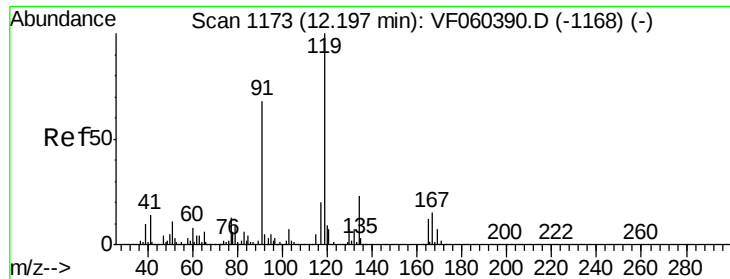
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#82
4-Chlorotoluene
Concen: 50.209 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	15.7	47.0





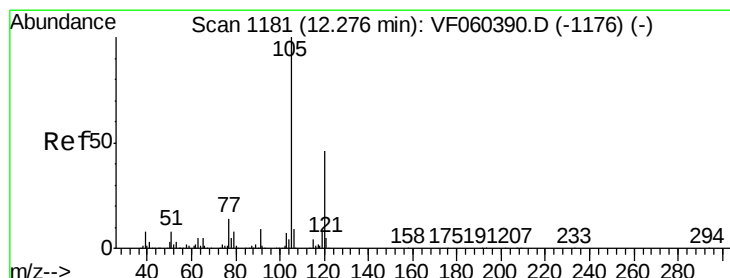
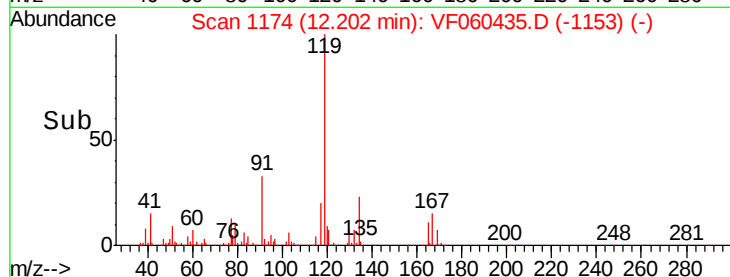
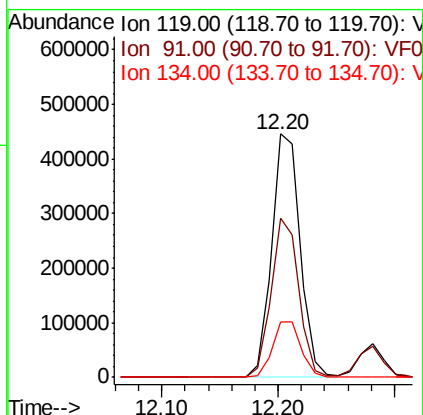
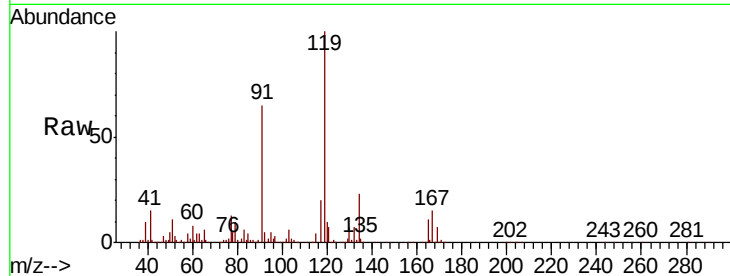
#83
tert-Butylbenzene
Concen: 50.546 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	34.0	102.0
134	22.9	11.7	35.0

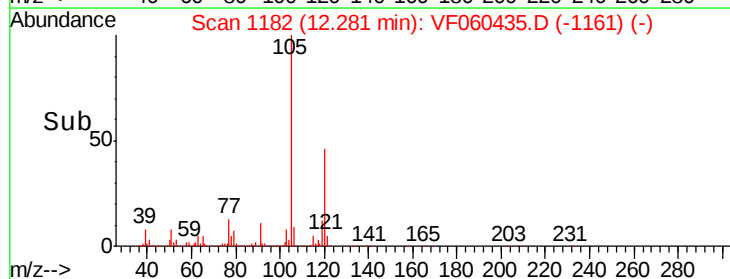
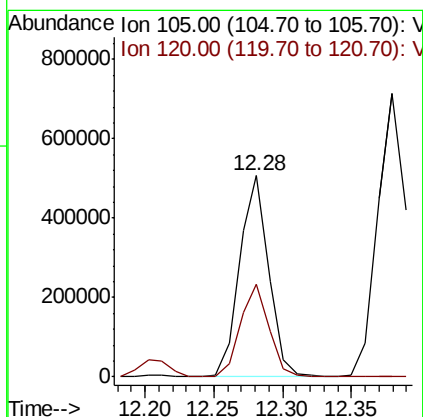
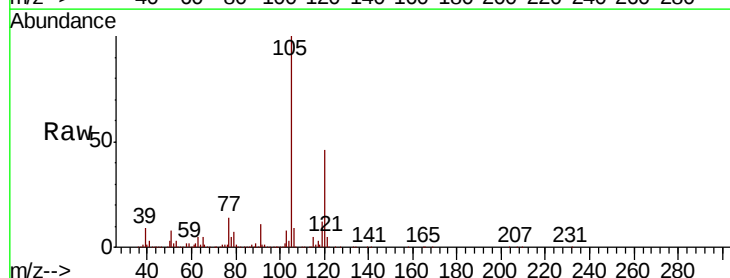
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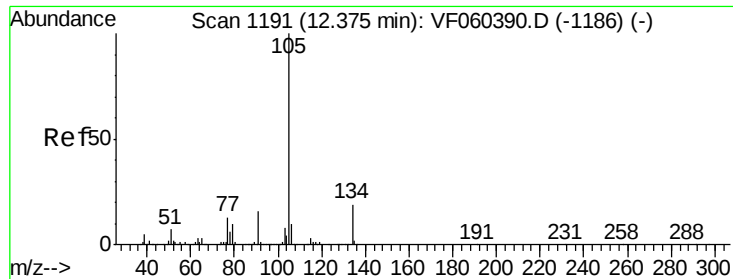
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#84
1,2,4-Trimethylbenzene
Concen: 49.766 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





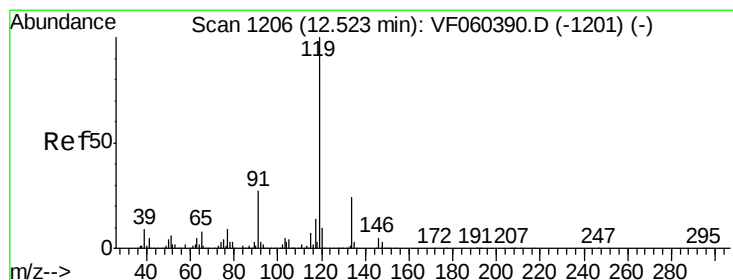
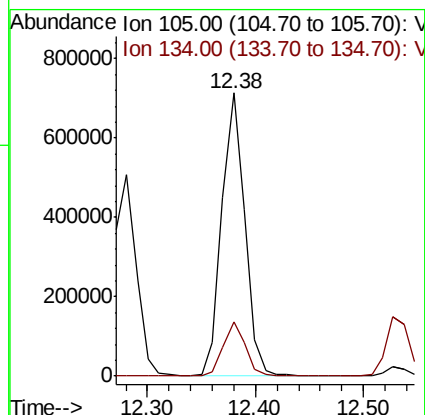
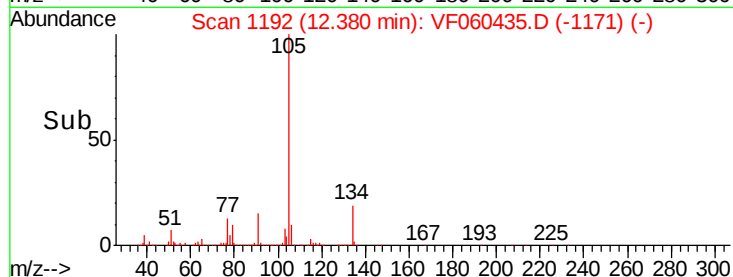
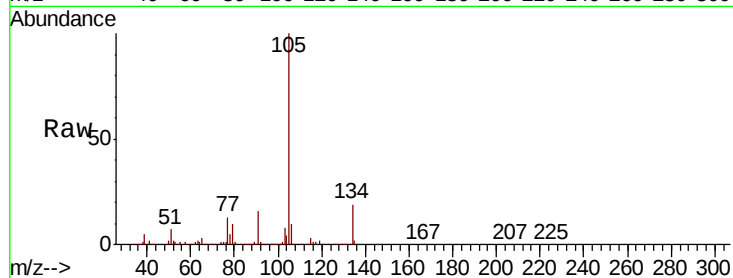
#85
 sec-Butylbenzene
 Concen: 51.315 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1055384
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.4 28.3

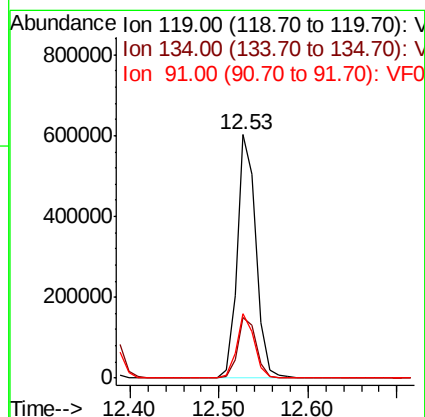
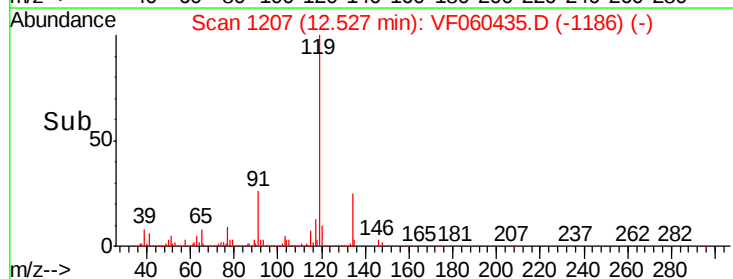
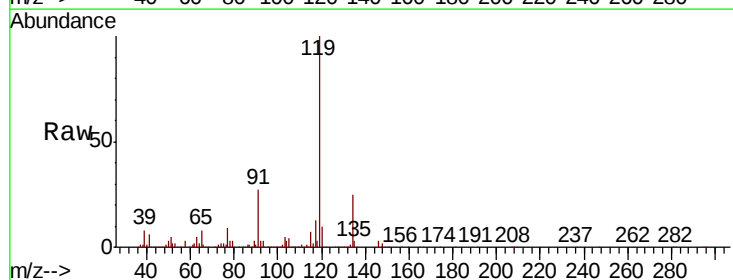
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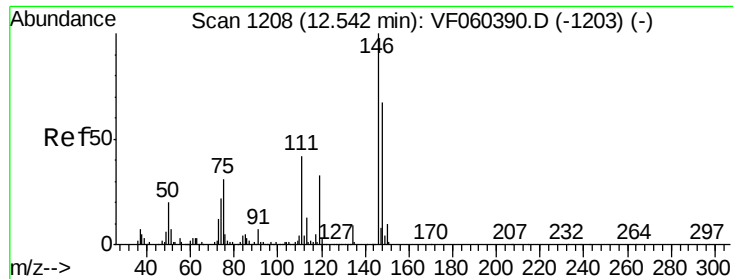
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#86
 p-Isopropyltoluene
 Concen: 52.877 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion:119 Resp: 888474
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.3 36.8
 91 26.7 13.5 40.4





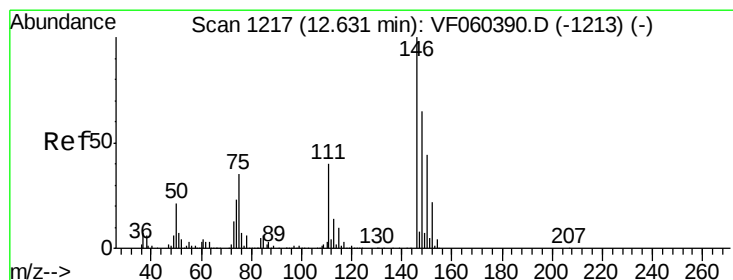
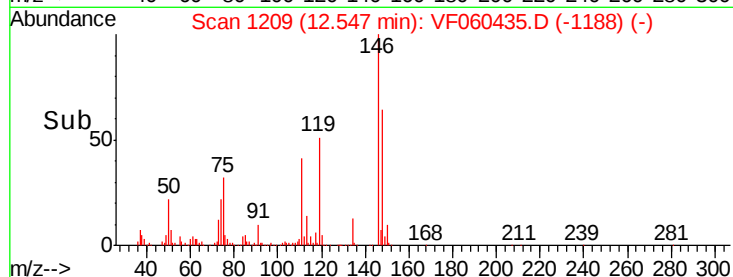
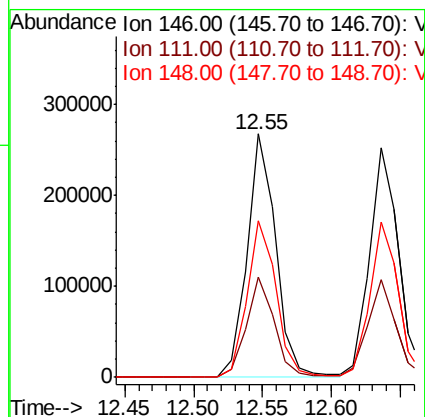
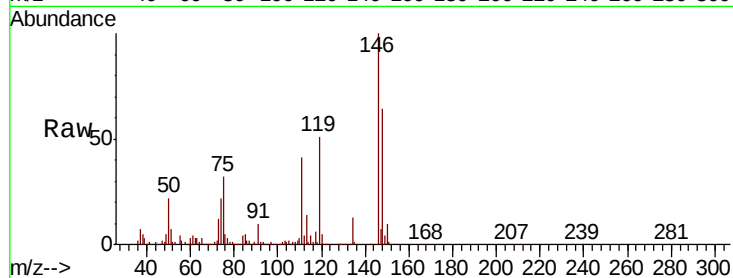
#87
 1,3-Dichlorobenzene
 Concen: 52.216 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.7
148	64.3	33.6	100.8

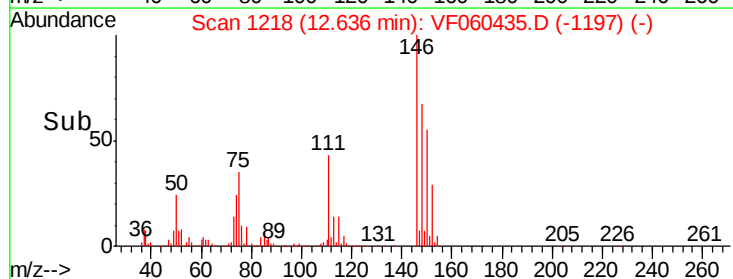
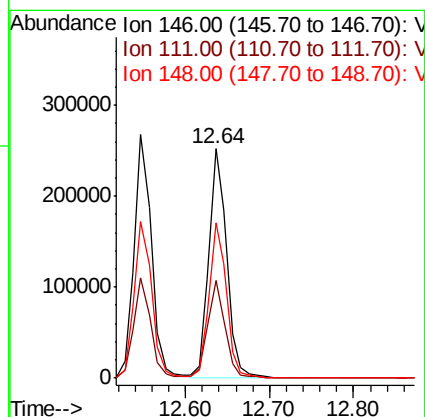
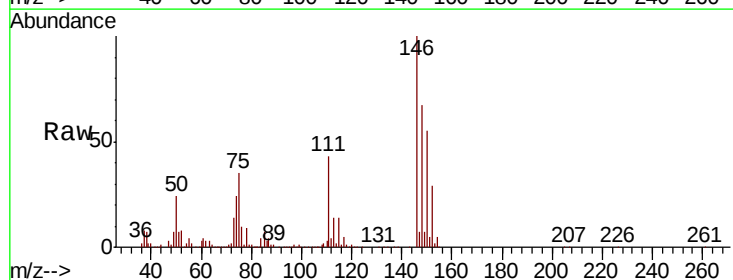
Manual Integrations
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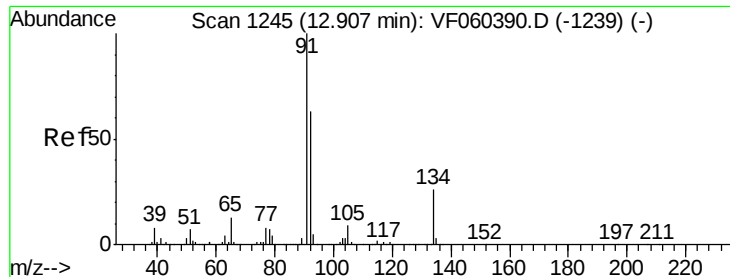
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#88
 1,4-Dichlorobenzene
 Concen: 50.554 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.6
148	67.5	32.6	97.8





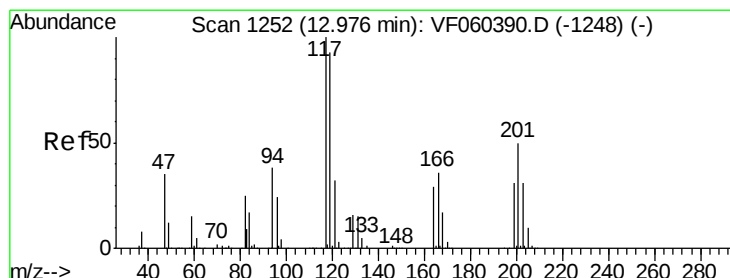
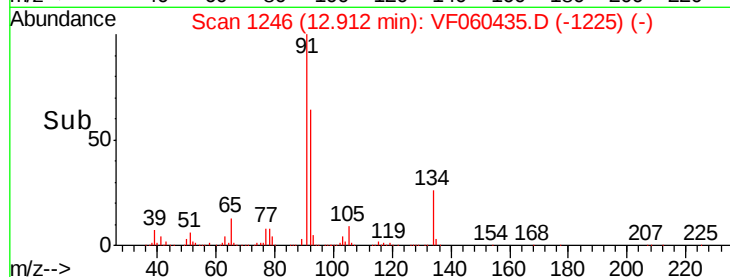
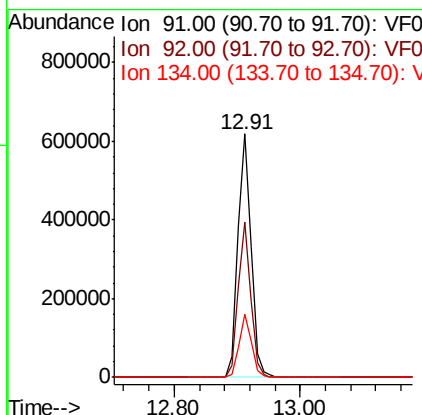
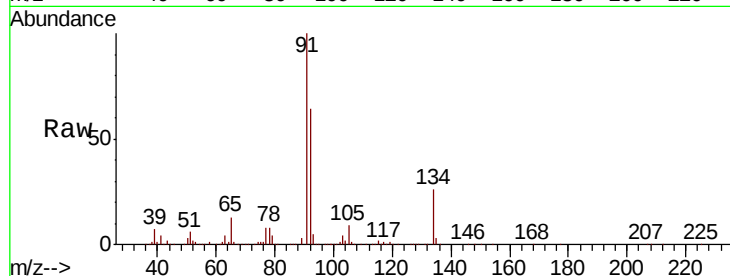
#89
n-Butylbenzene
Concen: 49.194 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.0	31.3	93.9
134	26.1	13.0	38.9

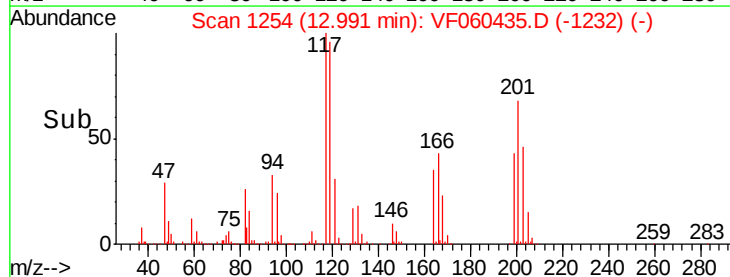
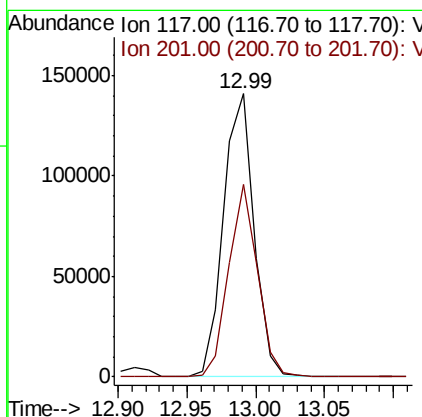
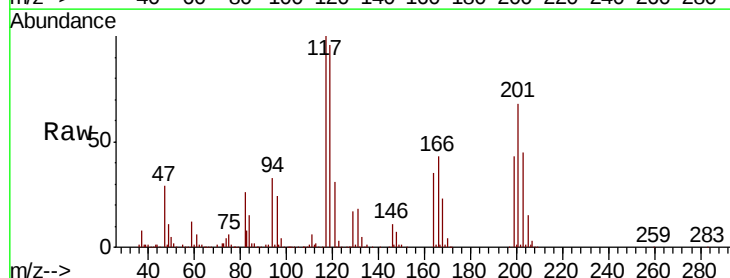
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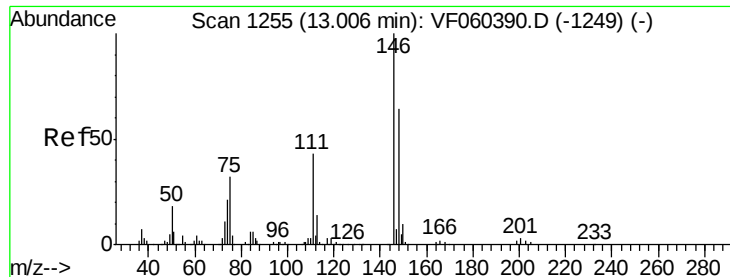
apatel
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#90
Hexachloroethane
Concen: 49.874 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	25.5	76.5





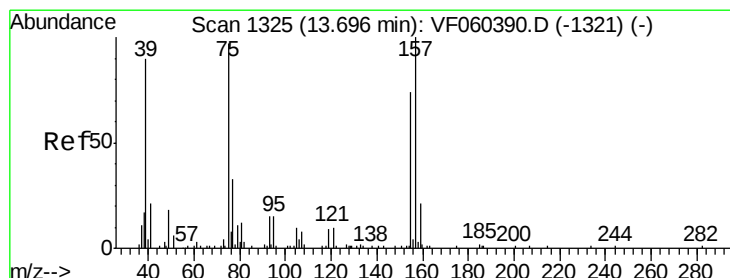
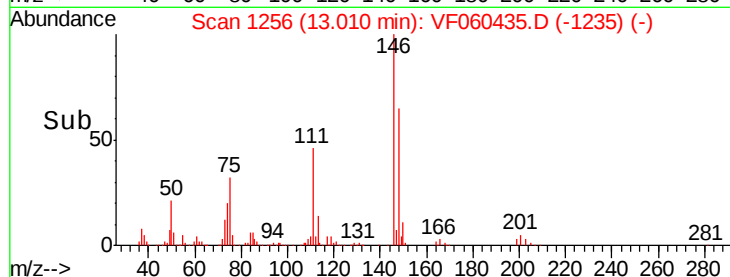
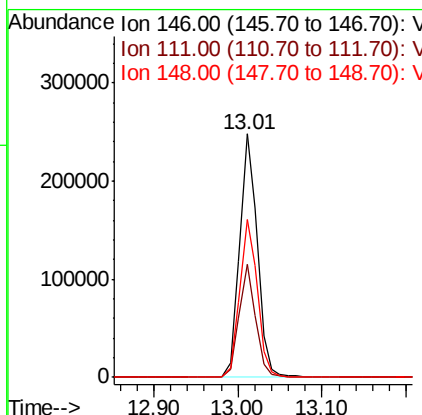
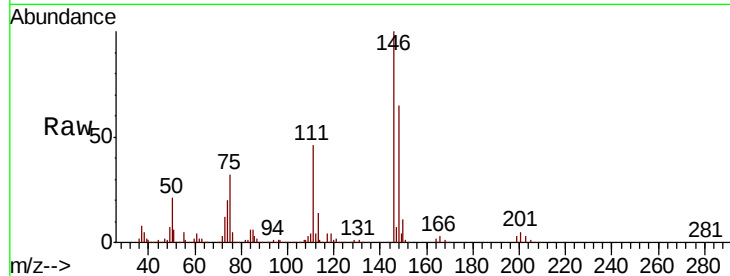
#91
 1,2-Dichlorobenzene
 Concen: 50.733 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	21.3	64.0
148	64.8	32.2	96.6

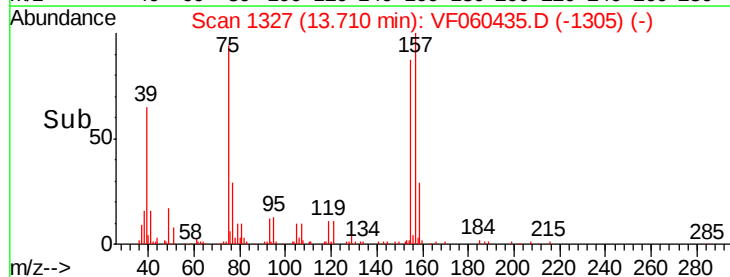
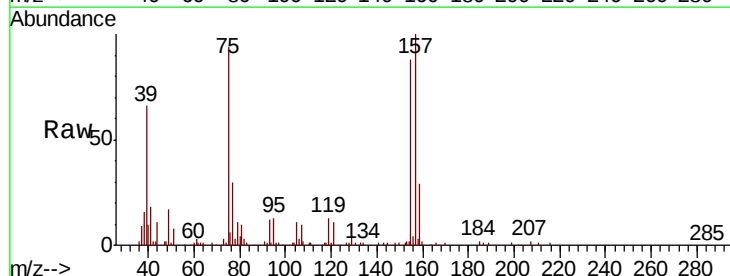
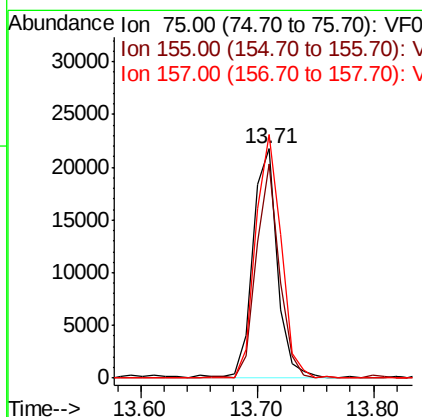
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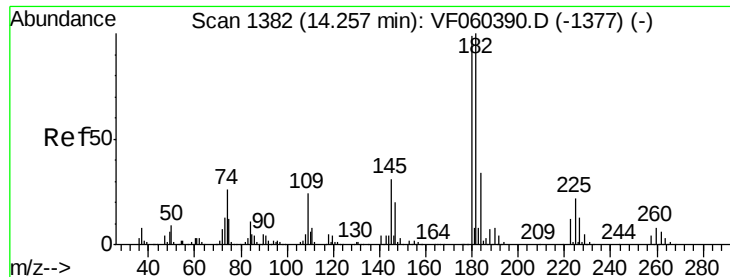
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.738 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	37.9	113.6
157	106.1	51.3	154.0





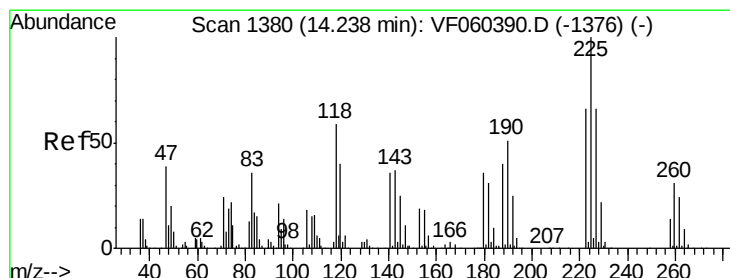
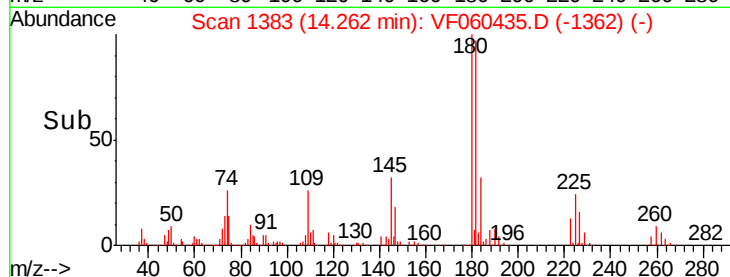
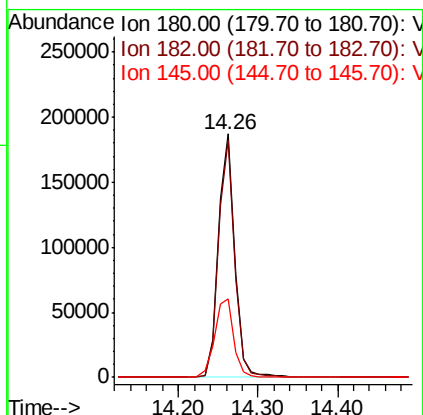
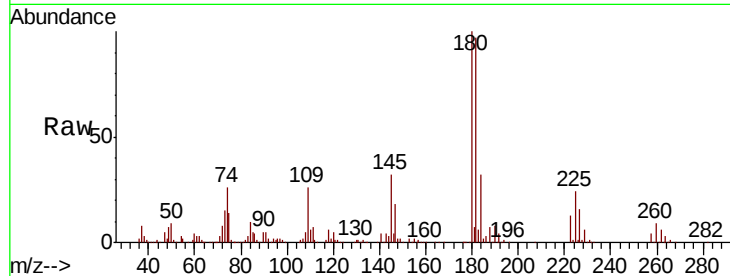
#93
 1,2,4-Trichlorobenzene
 Concen: 51.031 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	50.3	150.9	
145	32.1	15.5	46.5	

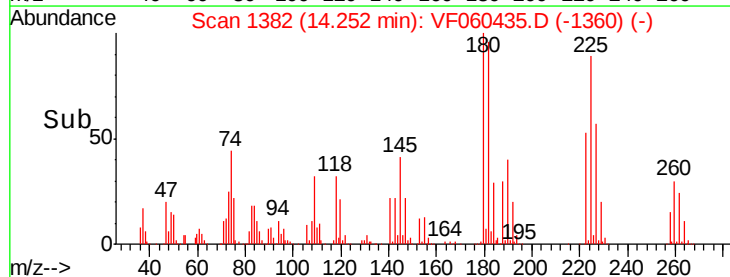
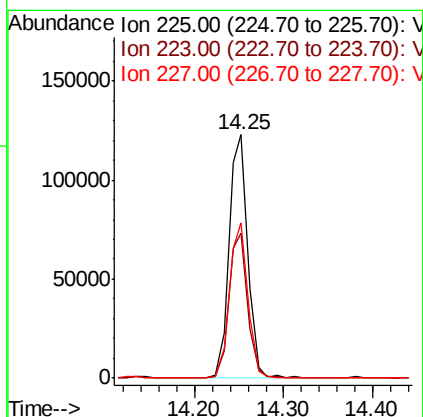
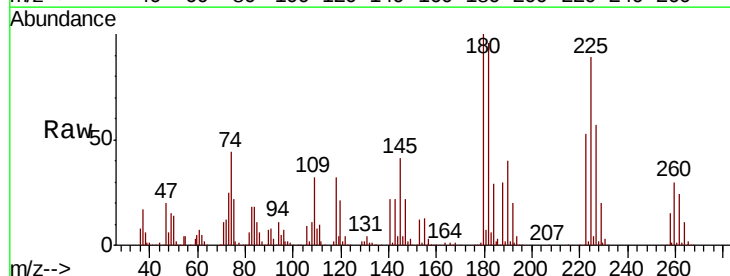
Manual Integrations
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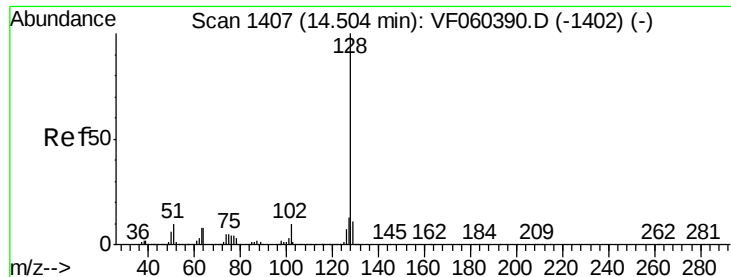
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#94
 Hexachlorobutadiene
 Concen: 49.082 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: VF060435.D
 Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.8	32.8	98.4	
227	63.7	33.0	99.0	





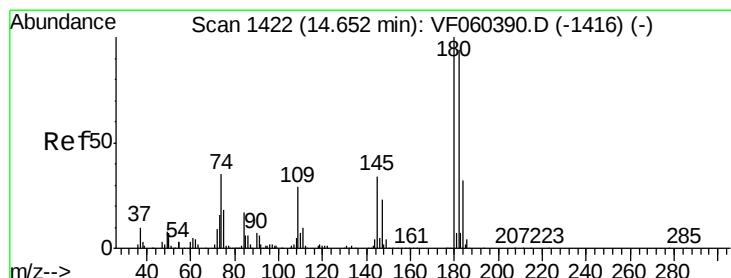
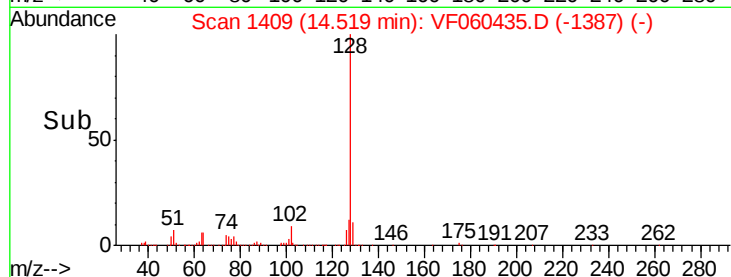
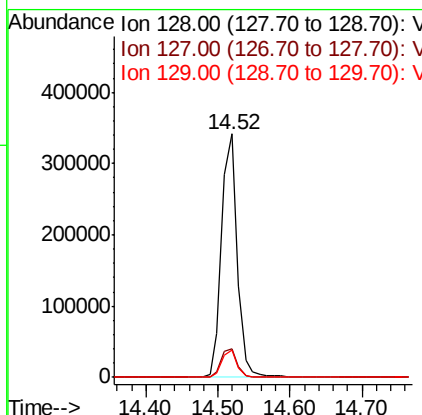
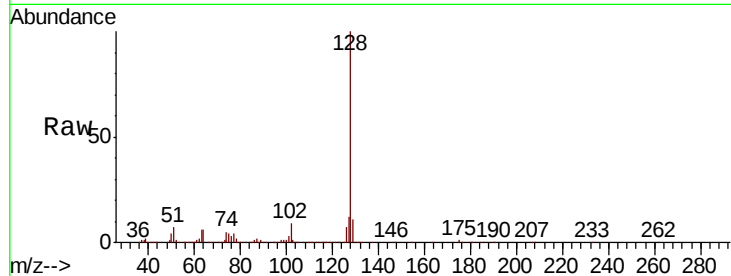
#95
Naphthalene
Concen: 53.762 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.0	15.0
129	11.2	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.326 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.00 min
Lab File: VF060435.D
Acq: 4 Oct 2018 1:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.3
145	34.2	16.9	50.6

