

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060459.D
 Acq On : 5 Oct 2018 16:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/8/2018 9:31:23 AM

Quant Time: Oct 06 04:46:52 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	237524	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	398944	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	362568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	188099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	179678	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	4.28	113	187370	49.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	7.69	98	437816	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	11.49	95	203794	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	256928	50.374	ug/l	97
3) Chloromethane	1.13	50	159226	49.367	ug/l	99
4) Vinyl Chloride	1.18	62	171374	51.077	ug/l	99
5) Bromomethane	1.35	94	134789	51.864	ug/l	92
6) Chloroethane	1.43	64	89174	53.259	ug/l	96
7) Trichlorofluoromethane	1.54	101	406212	52.182	ug/l	99
8) Diethyl Ether	1.69	74	52890	49.577	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.89	101	189908	50.930	ug/l	99
10) Methyl Iodide	1.97	142	297040m	52.237	ug/l	
11) Tert butyl alcohol	2.67	59	59214	263.392	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	152487	52.926	ug/l	95
13) Acrolein	2.08	56	49594	274.308	ug/l	100
14) Allyl chloride	2.18	41	252345	54.661	ug/l	96
15) Acrylonitrile	3.05	53	111566	289.619	ug/l	87
16) Acetone	2.33	43	254343	340.843	ug/l #	90
17) Carbon Disulfide	1.89	76	445497	51.064	ug/l	97
18) Methyl Acetate	2.43	43	76258	54.762	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	359015	51.160	ug/l	98
20) Methylene Chloride	2.27	84	150201m	56.043	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	154532	53.704	ug/l	96
22) Diisopropyl ether	2.91	45	485867	57.982	ug/l	95
23) Vinyl Acetate	3.31	43	864783	259.799	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	321059	56.658	ug/l	99
25) 2-Butanone	4.48	43	244728	254.296	ug/l	93
26) 2,2-Dichloropropane	3.74	77	182522	56.870	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	169193	52.590	ug/l	91
28) Bromochloromethane	3.86	49	107995	51.711	ug/l	90
29) Tetrahydrofuran	4.23	42	102363	282.963	ug/l	97
30) Chloroform	4.01	83	366167	52.367	ug/l	95
31) Cyclohexane	3.84	56	208352	51.204	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	317118	54.501	ug/l	94
36) 1,1-Dichloropropene	4.43	75	249303	50.685	ug/l	96
37) Ethyl Acetate	4.27	43	92787	49.262	ug/l	94
38) Carbon Tetrachloride	4.15	117	350905	58.609	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	248203	51.473	ug/l	91
40) Benzene	4.79	78	503551	51.570	ug/l	95
41) Methacrylonitrile	4.90	41	47956	48.018	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	237550	50.994	ug/l	99
43) Isopropyl Acetate	7.09	43	105171	46.204	ug/l	90
44) Trichloroethene	5.66	130	158015	50.435	ug/l	92
45) 1,2-Dichloropropane	6.39	63	127752	49.128	ug/l	97
46) Dibromomethane	6.23	93	101173	48.392	ug/l	94
47) Bromodichloromethane	6.52	83	262429	50.682	ug/l	97
48) Methyl methacrylate	6.85	41	76127	46.591	ug/l	99
49) 1,4-Dioxane	6.84	88	16504	1171.469	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	388919	240.026	ug/l	99
52) Toluene	7.76	92	302682	45.638	ug/l	92
53) t-1,3-Dichloropropene	8.41	75	194204	47.858	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	237862	50.154	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	105118	50.003	ug/l	96
56) Ethyl methacrylate	8.74	69	114778	48.048	ug/l	96
57) 1,3-Dichloropropane	8.98	76	175976	49.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	55833	228.817	ug/l	100
59) 2-Hexanone	9.61	43	276991	233.063	ug/l	97
60) Dibromochloromethane	8.84	129	168392	53.200	ug/l	95
61) 1,2-Dibromoethane	9.12	107	120302	52.298	ug/l	100
64) Tetrachloroethene	8.29	164	145767	50.575	ug/l	98
65) Chlorobenzene	9.93	112	376823	50.595	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	157291	48.368	ug/l	97
67) Ethyl Benzene	10.02	91	704678	49.761	ug/l	99
68) m/p-Xylenes	10.25	106	483666	99.353	ug/l	99
69) o-Xylene	10.81	106	264599	49.865	ug/l	97
70) Styrene	10.88	104	370767	49.123	ug/l	98
71) Bromoform	10.87	173	85518	49.393	ug/l #	89
73) Isopropylbenzene	11.22	105	799514	53.983	ug/l	100
74) N-amyl acetate	11.45	43	158268	46.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	137722	51.005	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	105672	53.159	ug/l	95
77) Bromobenzene	11.58	156	170572	51.522	ug/l	96
78) n-propylbenzene	11.67	91	933171	51.974	ug/l	97
79) 2-Chlorotoluene	11.80	91	549745	52.343	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	665587	52.895	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	47827m	54.276	ug/l	
82) 4-Chlorotoluene	11.98	91	564498	52.530	ug/l	98
83) tert-Butylbenzene	12.20	119	658448	53.054	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	644634	51.658	ug/l	95
85) sec-Butylbenzene	12.38	105	902465	52.680	ug/l	99
86) p-Isopropyltoluene	12.53	119	709608	50.702	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	289468	46.465	ug/l	87
88) 1,4-Dichlorobenzene	12.64	146	313728	51.070	ug/l	97
89) n-Butylbenzene	12.91	91	780936	52.731	ug/l	100
90) Hexachloroethane	12.98	117	187507	51.836	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	301524	50.514	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	27650	52.822	ug/l	96

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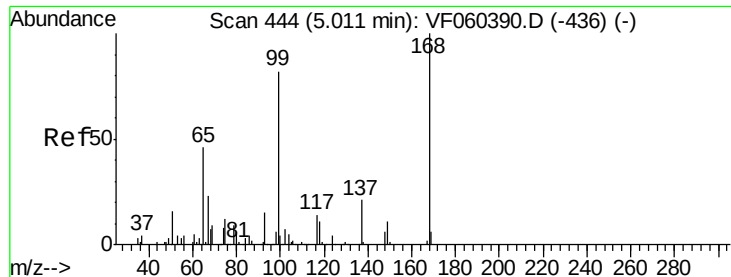
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	228302	51.171	ug/l	94
94) Hexachlorobutadiene	14.24	225	165687	53.210	ug/l	96
95) Naphthalene	14.51	128	409540	51.340	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	219995	52.603	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 237524

Ion Ratio Lower Upper

168 100

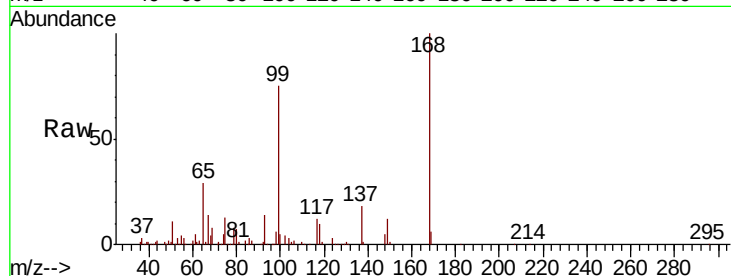
99 74.9 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

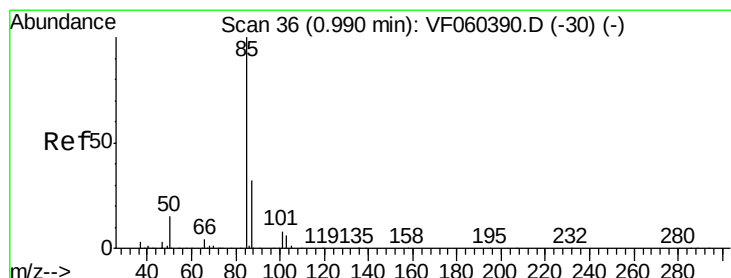
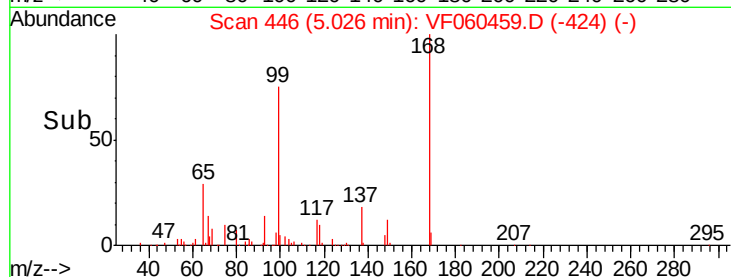
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 50.374 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060459.D

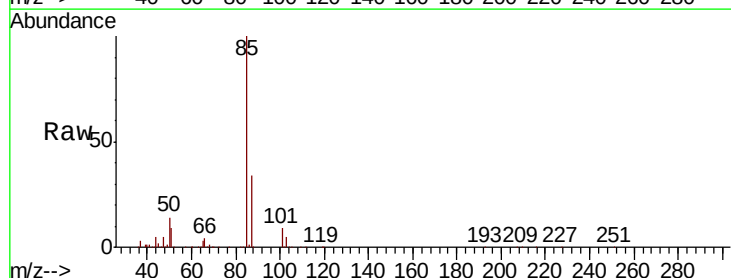
Acq: 5 Oct 2018 16:05

Tgt Ion: 85 Resp: 256928

Ion Ratio Lower Upper

85 100

87 33.6 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

100000

80000

60000

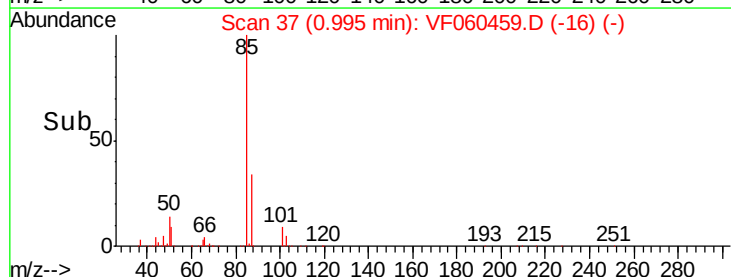
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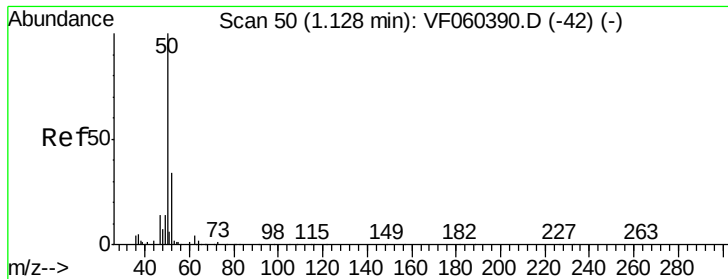
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 49.367 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 159226

Ion Ratio Lower Upper

50 100

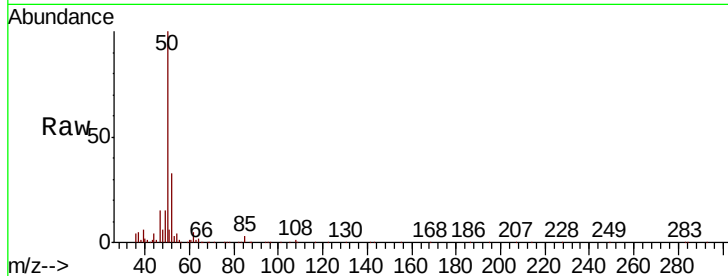
52 32.9 26.9 40.3

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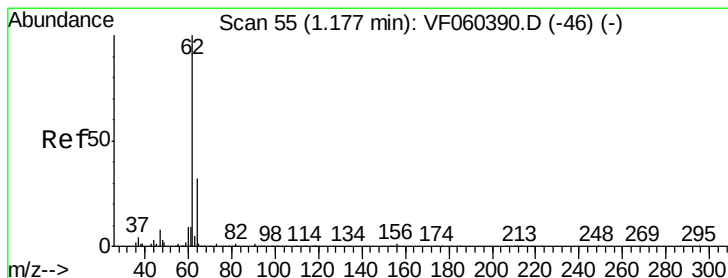
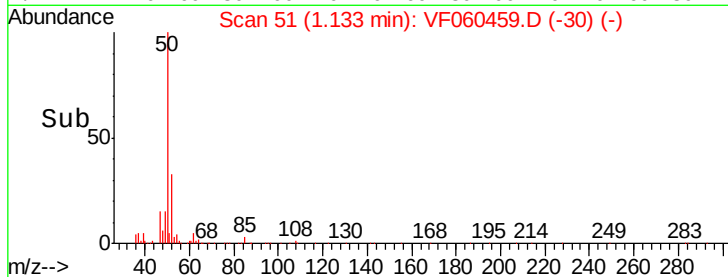
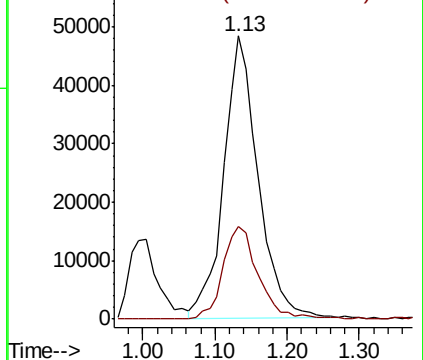
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 51.077 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060459.D

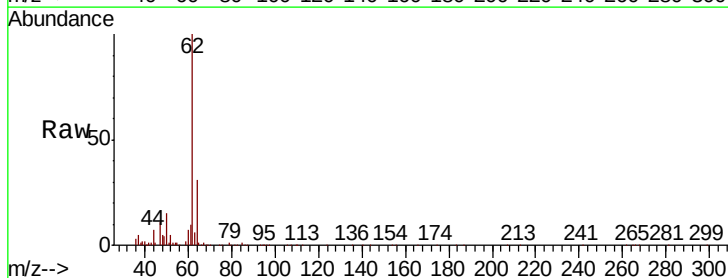
Acq: 5 Oct 2018 16:05

Tgt Ion: 62 Resp: 171374

Ion Ratio Lower Upper

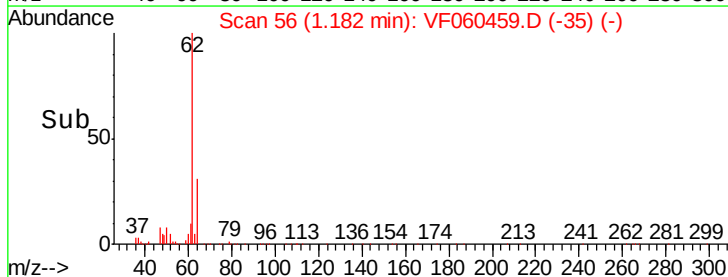
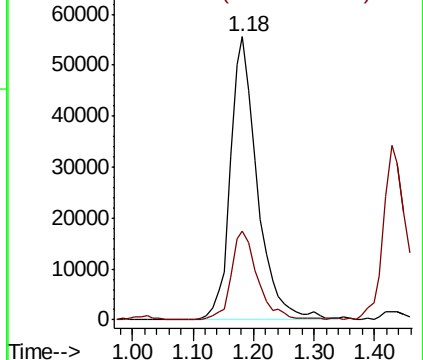
62 100

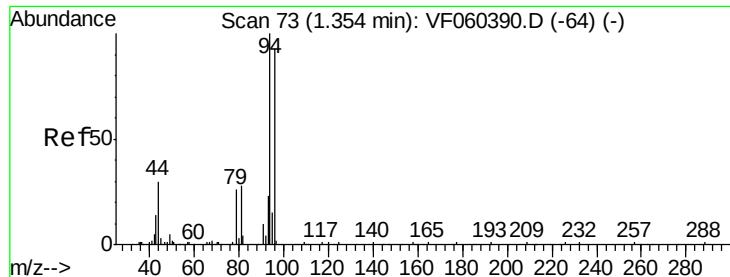
64 31.4 25.8 38.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 51.864 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

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Tot Ion: 94 Resp: 134789

Ion Ratio Lower Upper

94 100

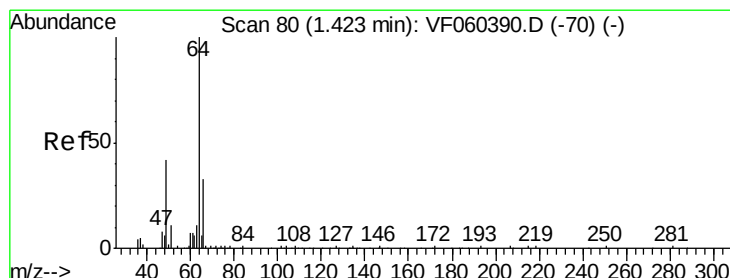
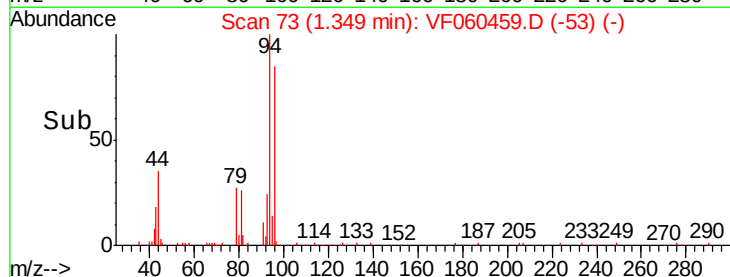
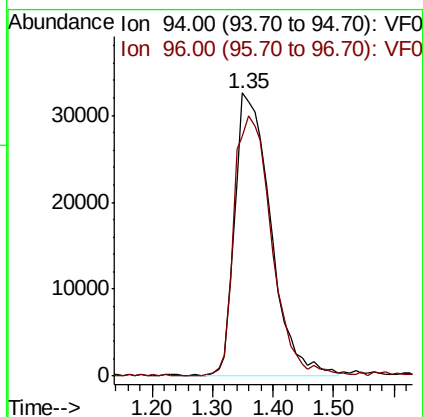
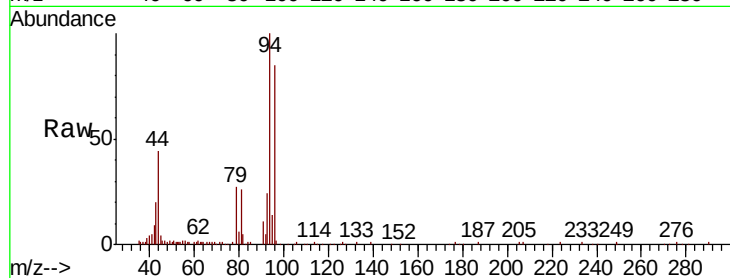
96 84.8 74.3 111.5

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10/8/2018 9:31:23 AM



#6

Chloroethane

Concen: 53.259 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060459.D

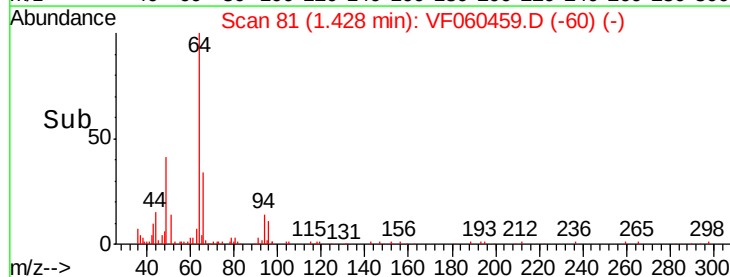
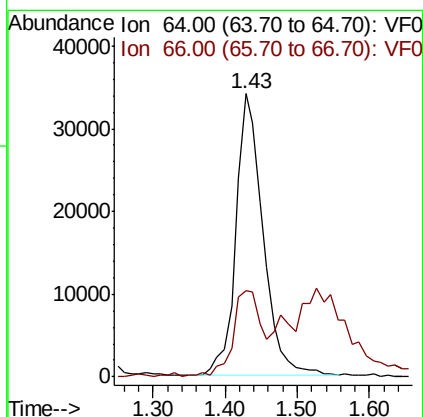
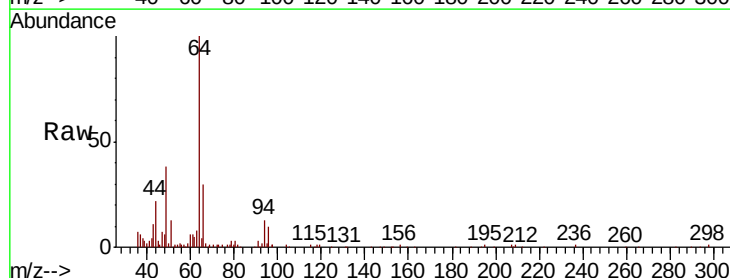
Acq: 5 Oct 2018 16:05

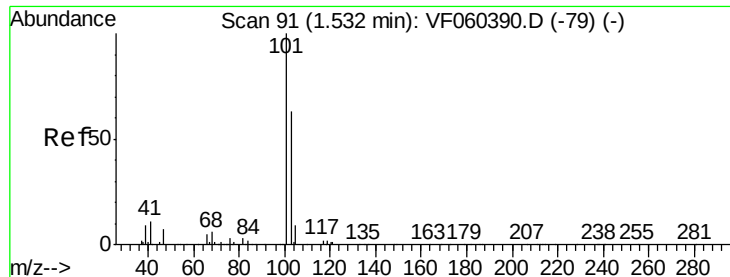
Tgt Ion: 64 Resp: 89174

Ion Ratio Lower Upper

64 100

66 30.4 26.3 39.5





#7

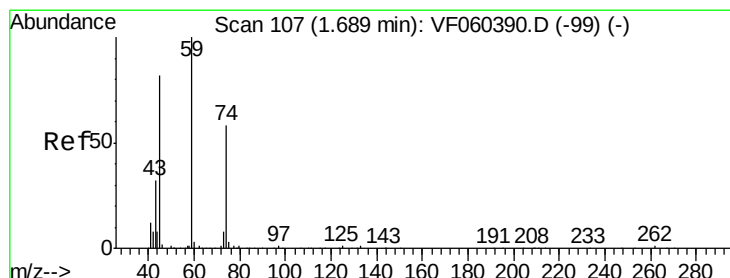
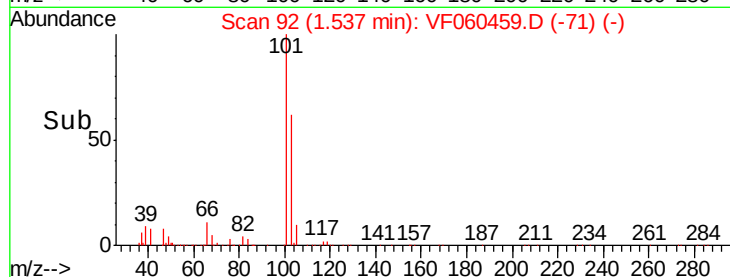
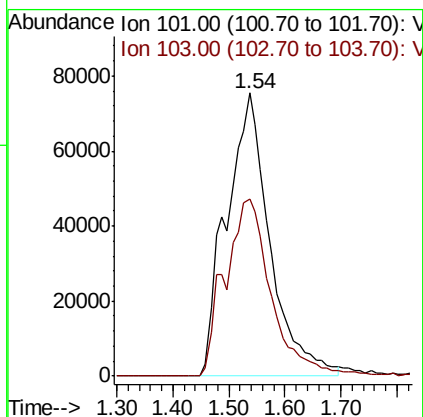
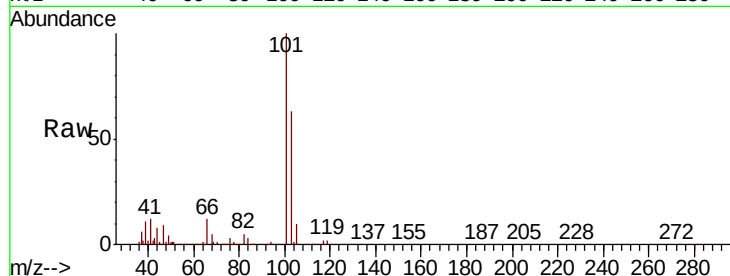
Trichlorofluoromethane
 Concen: 52.182 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.0	76.4

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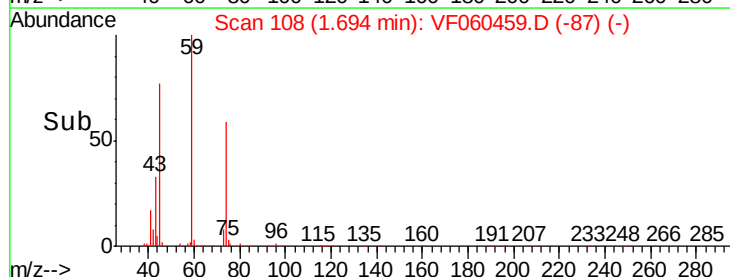
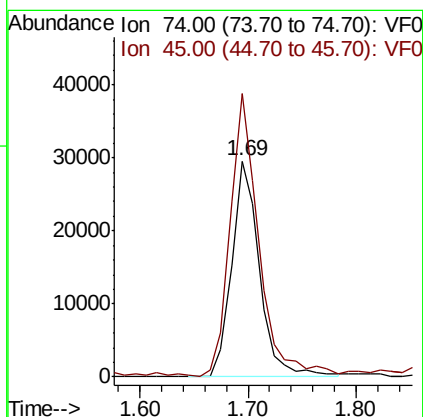
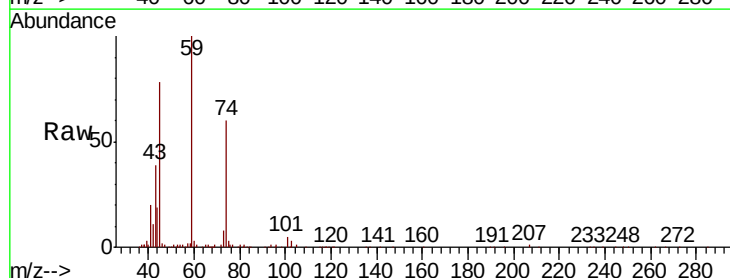
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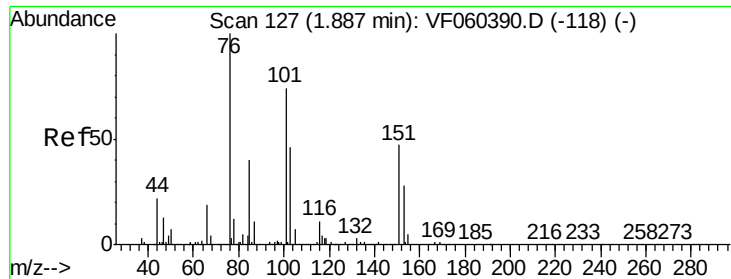


#8

Diethyl Ether
 Concen: 49.577 ug/l
 RT: 1.69 min Scan# 108
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.2	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.930 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

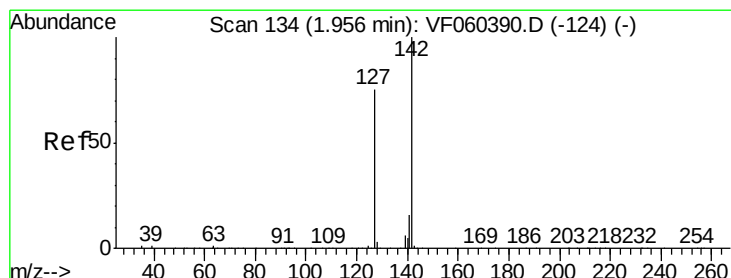
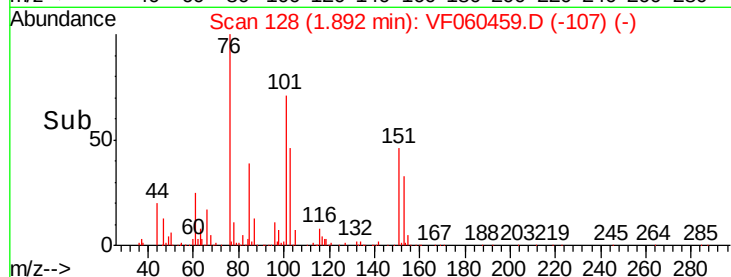
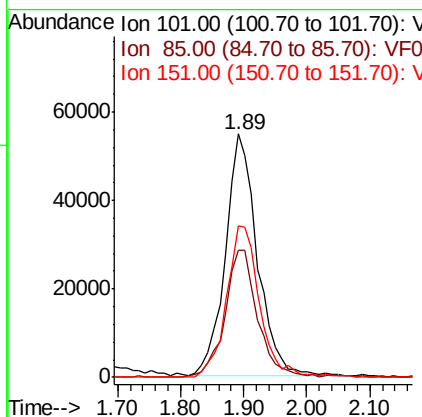
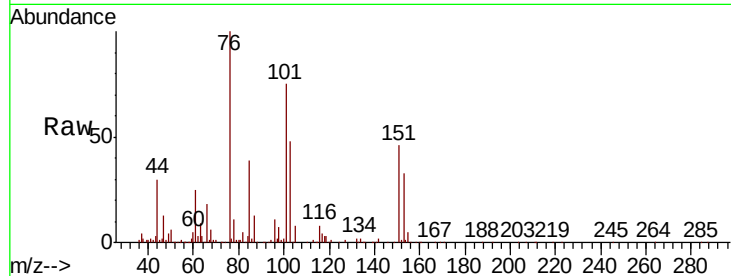
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	189908
Ion Ratio	Lower	Upper	
101	100		
85	52.1	42.5	63.7
151	62.1	49.8	74.8

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#10

Methyl Iodide

Concen: 52.237 ug/l m

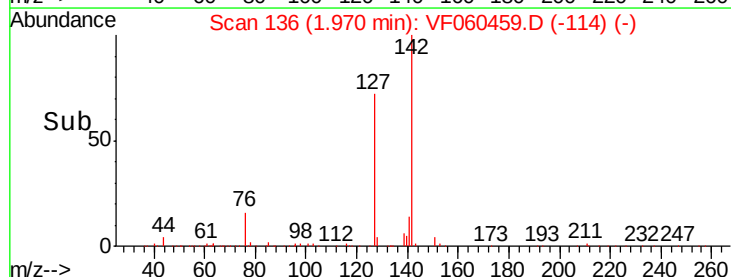
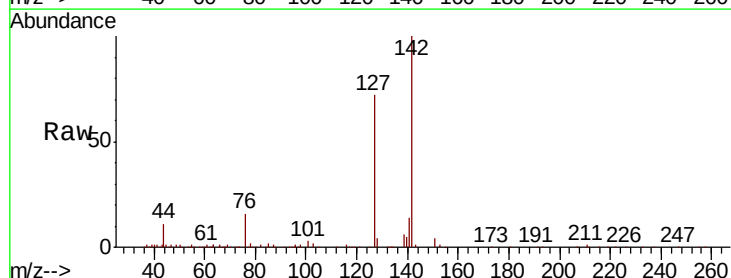
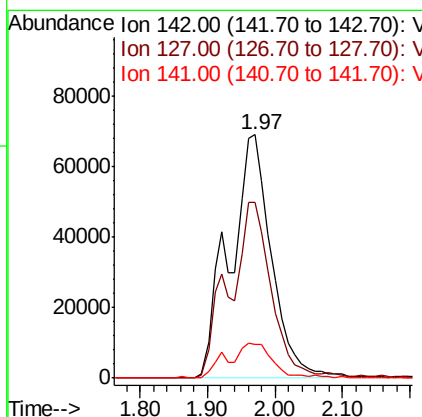
RT: 1.97 min Scan# 136

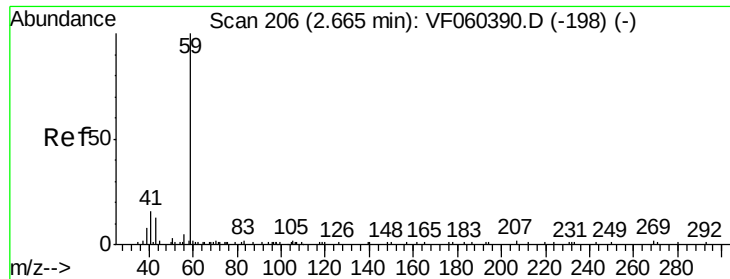
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion:	142	Resp:	297040
Ion Ratio	Lower	Upper	
142	100		
127	72.1	60.2	90.2
141	13.9	13.1	19.7





#11

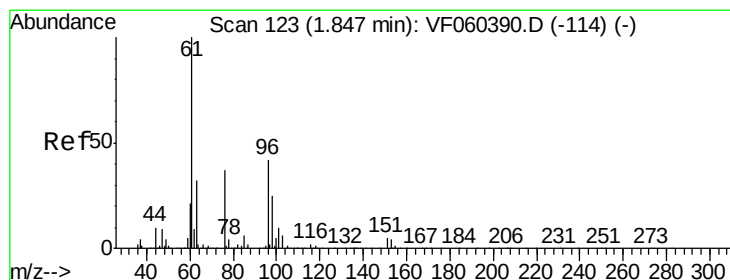
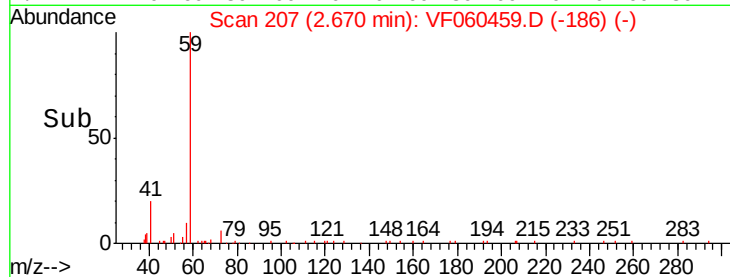
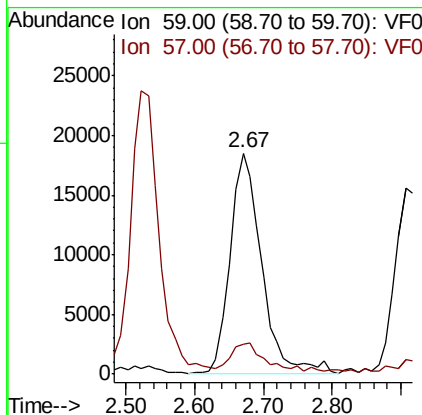
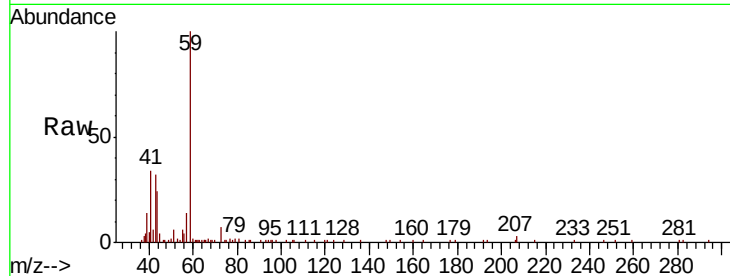
Tert butyl alcohol
Concen: 263.392 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.6	6.5	9.7#

Manual Integrations
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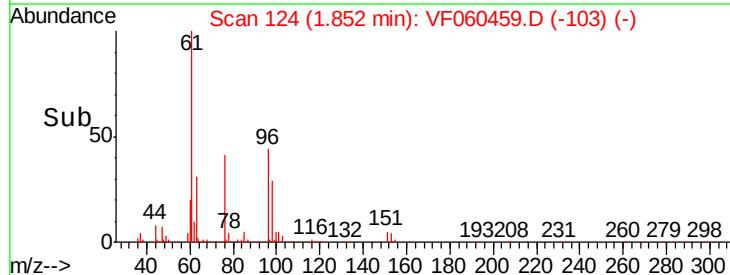
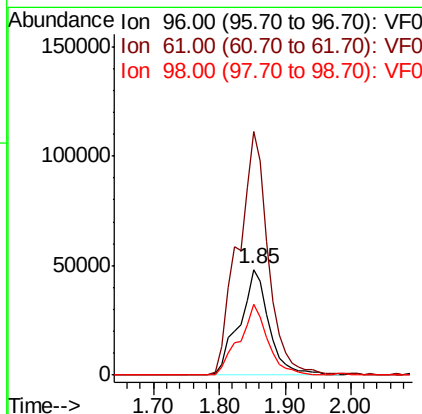
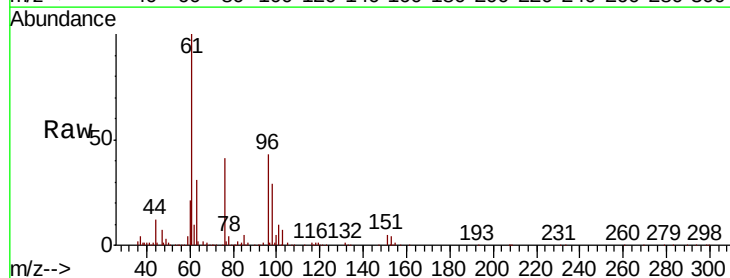
apatel
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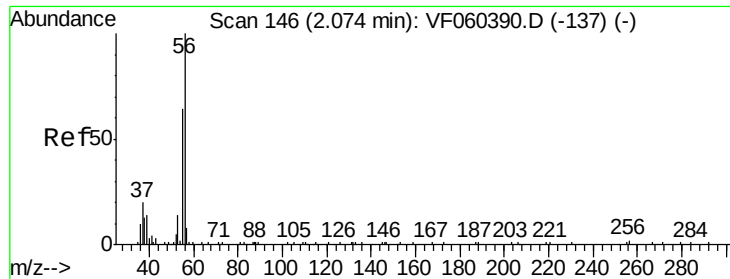


#12

1,1-Dichloroethene
Concen: 52.926 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	230.1	189.4	284.0
98	66.6	47.8	71.6





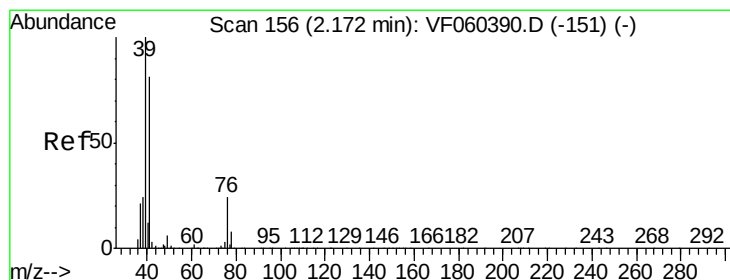
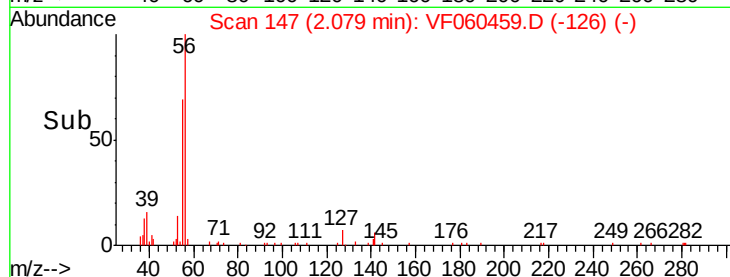
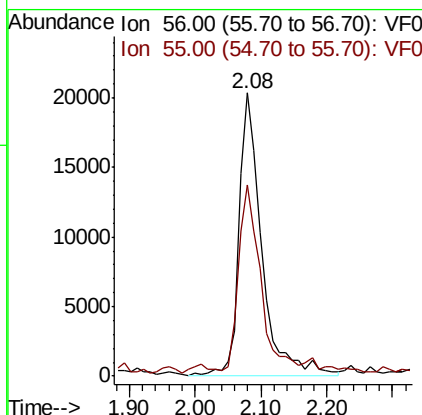
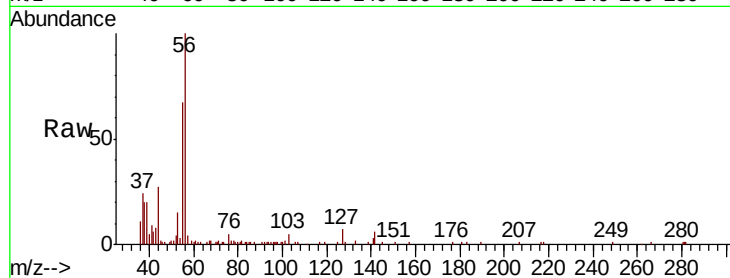
#13
Acrolein
Concen: 274.308 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.4	53.9	80.9

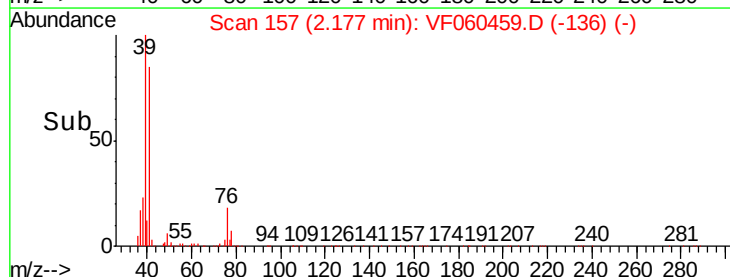
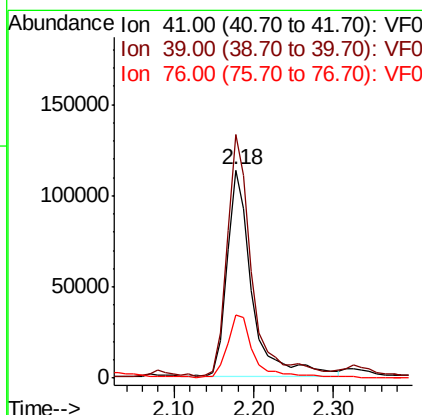
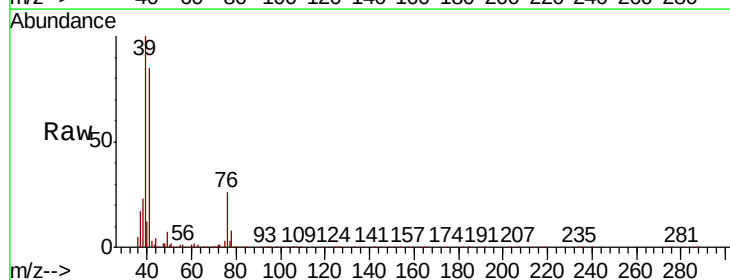
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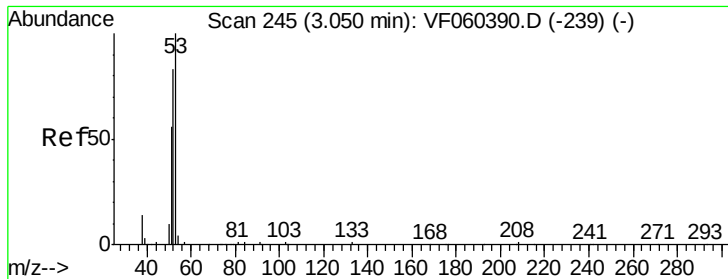
apatel
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#14
Allyl chloride
Concen: 54.661 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	117.0	98.3	147.5
76	30.4	23.9	35.9





#15

Acrylonitrile

Concen: 289.619 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

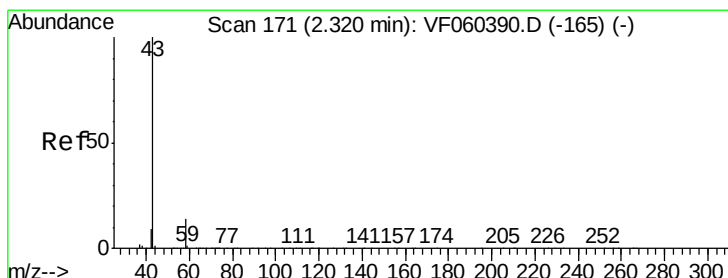
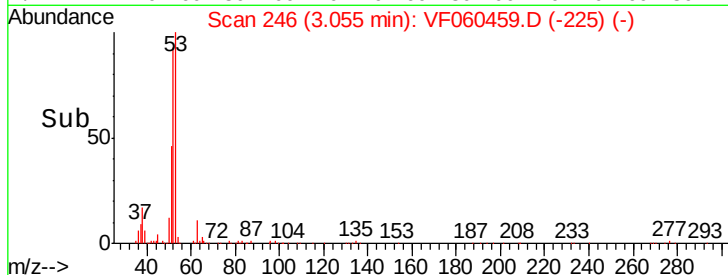
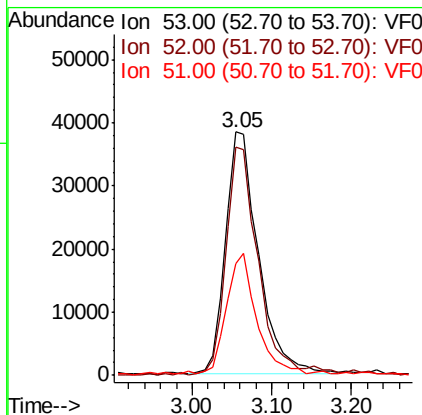
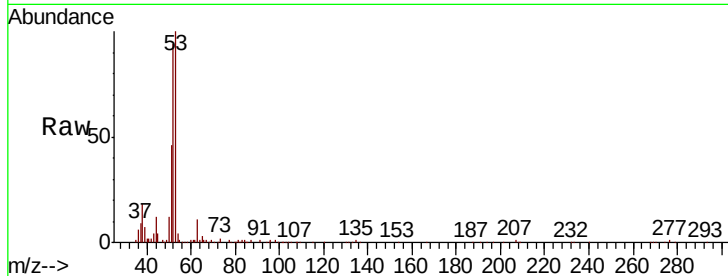
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	111566
Ion Ratio		Lower	Upper
53	100		
52	93.7	66.0	99.0
51	46.2	45.6	68.4

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#16

Acetone

Concen: 340.843 ug/l

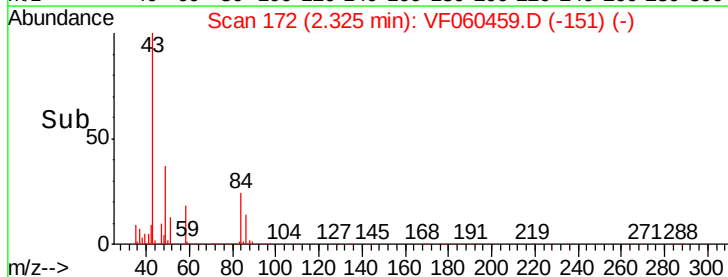
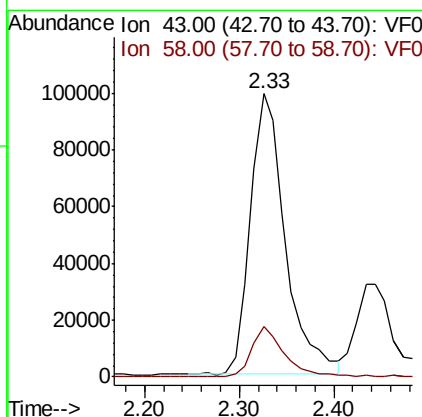
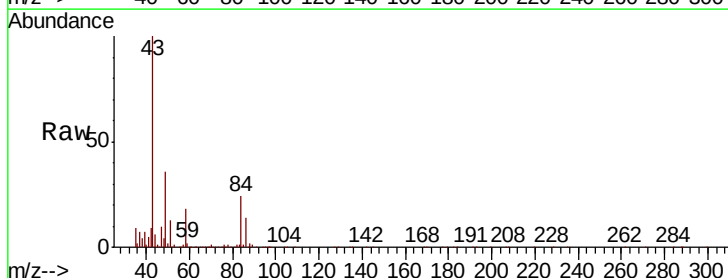
RT: 2.33 min Scan# 172

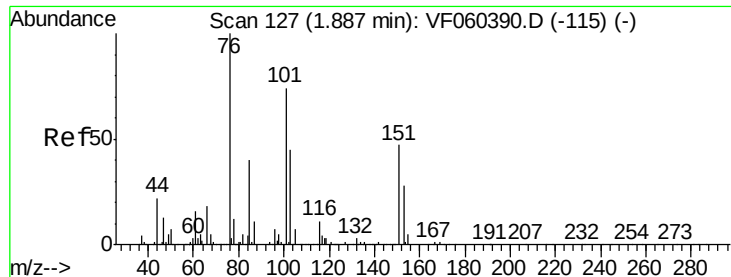
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion:	43	Resp:	254343
Ion Ratio		Lower	Upper
43	100		
58	17.9	11.2	16.8#





#17

Carbon Disulfide

Concen: 51.064 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 445497

Ion Ratio Lower Upper

76 100

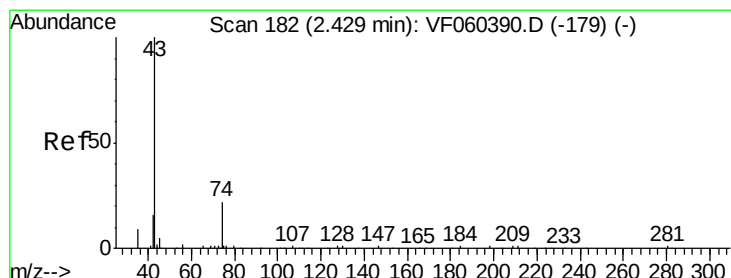
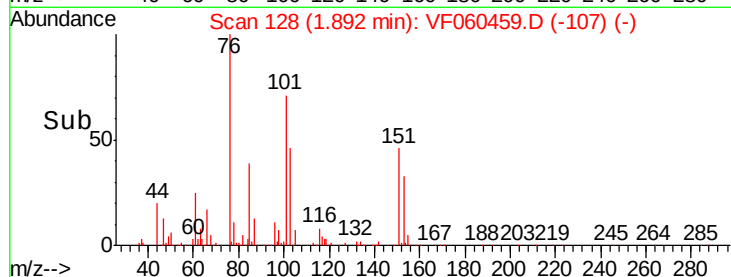
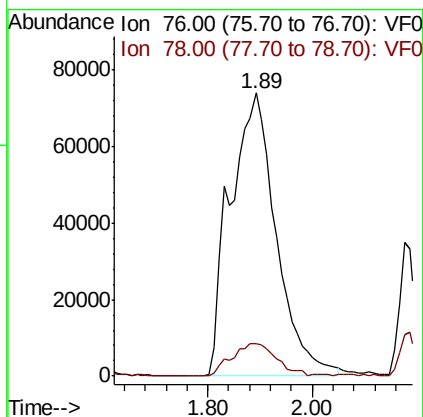
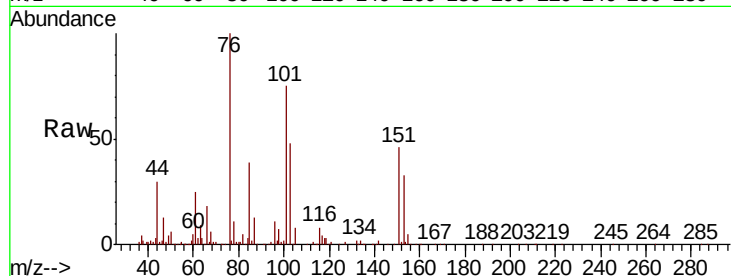
78 11.5 10.1 15.1

Manual Integrations

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#18

Methyl Acetate

Concen: 54.762 ug/l

RT: 2.43 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF060459.D

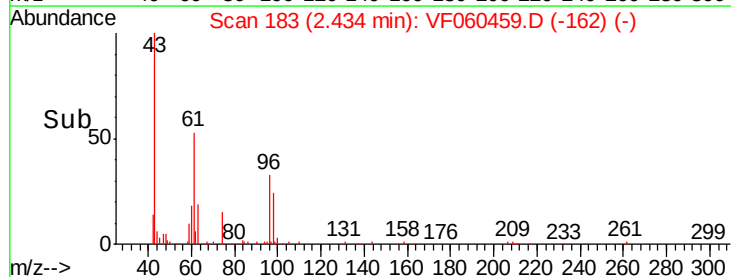
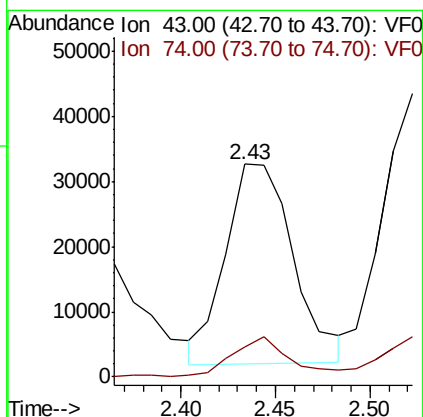
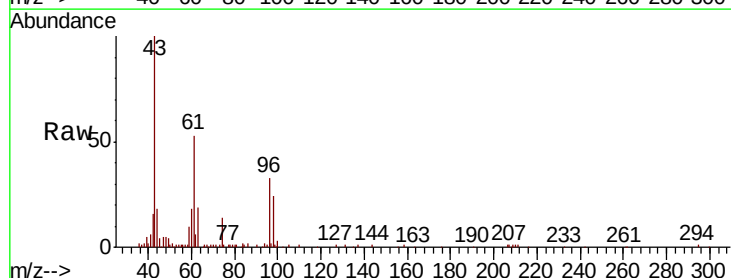
Acq: 5 Oct 2018 16:05

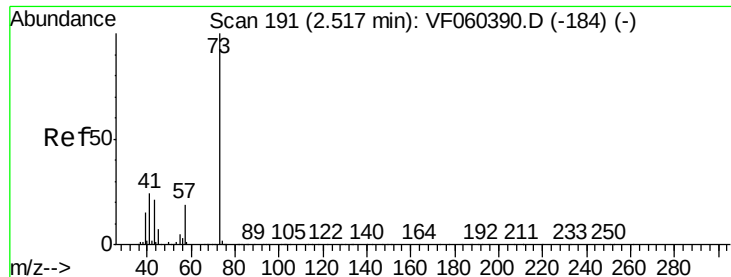
Tgt Ion: 43 Resp: 76258

Ion Ratio Lower Upper

43 100

74 14.3 15.8 23.8#





#19

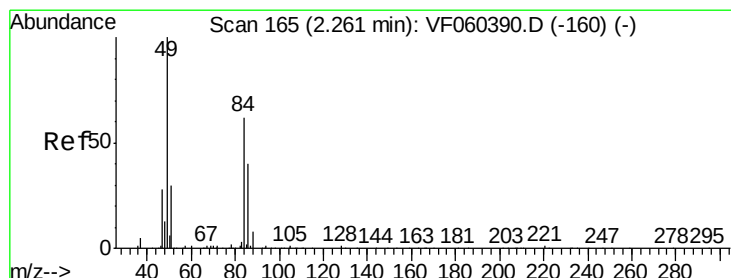
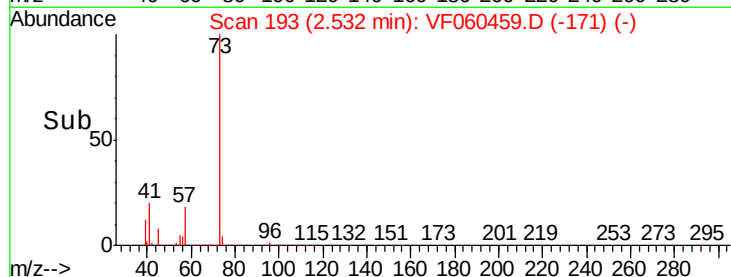
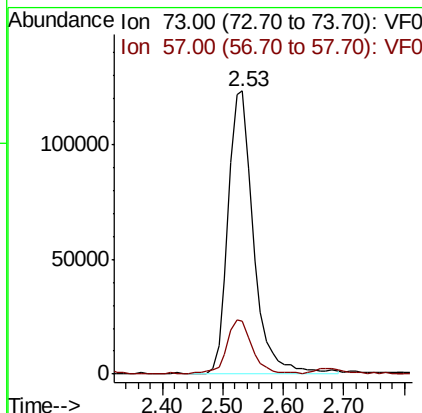
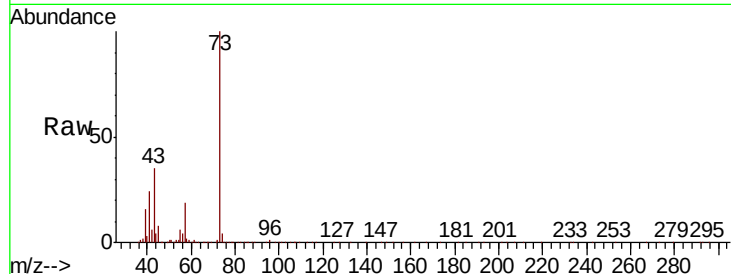
Methyl tert-butyl Ether
 Concen: 51.160 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	15.9	23.9

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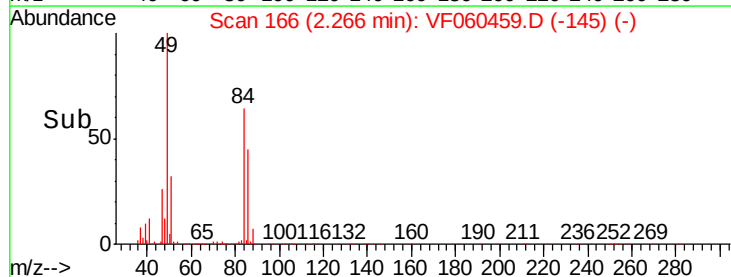
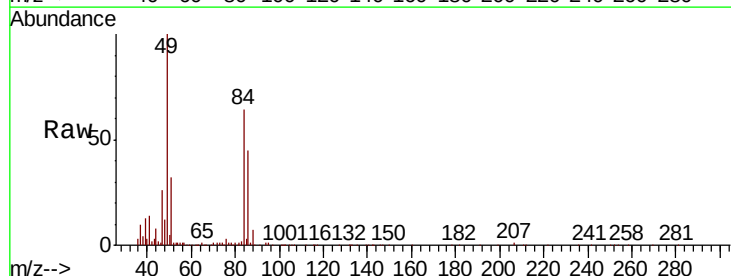
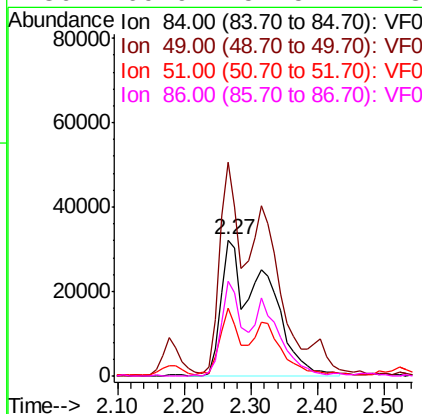
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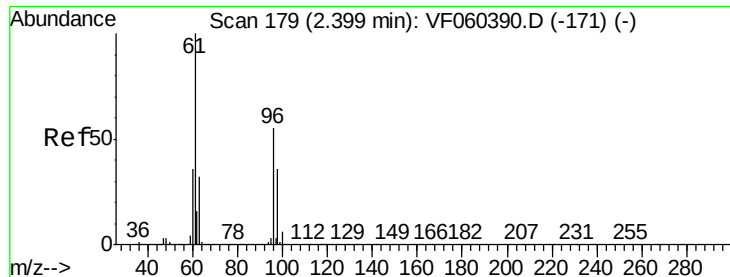


#20

Methylene Chloride
 Concen: 56.043 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.1	130.2	195.2
51	50.3	41.0	61.6
86	69.9	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 53.704 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

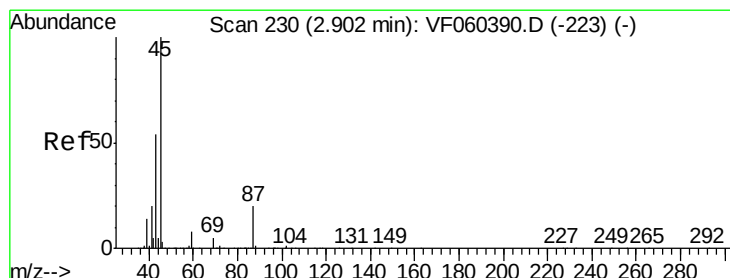
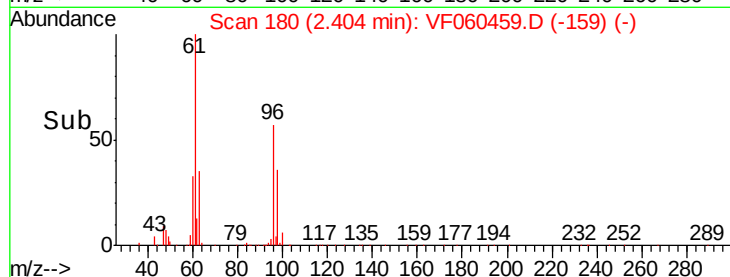
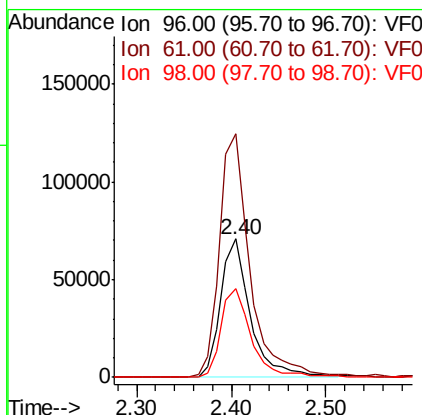
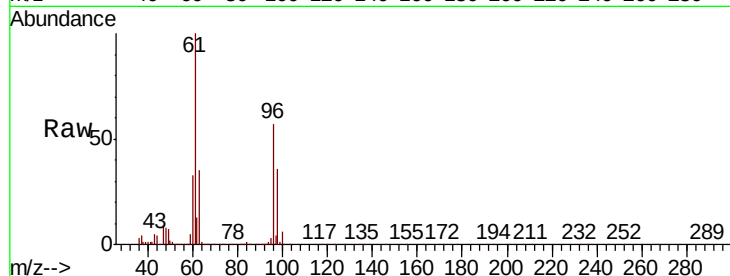
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	154532
Ion	Ratio	Lower	Upper
96	100		
61	176.3	146.2	219.2
98	63.9	52.6	78.8

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#22

Diisopropyl ether

Concen: 57.982 ug/l

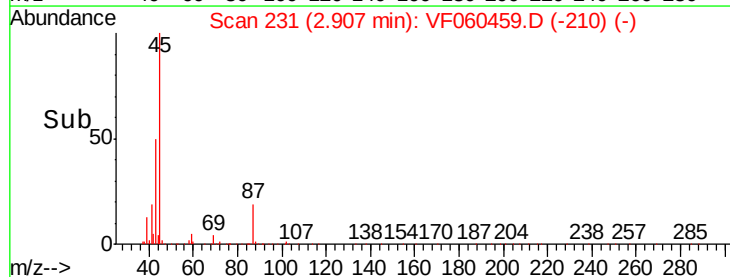
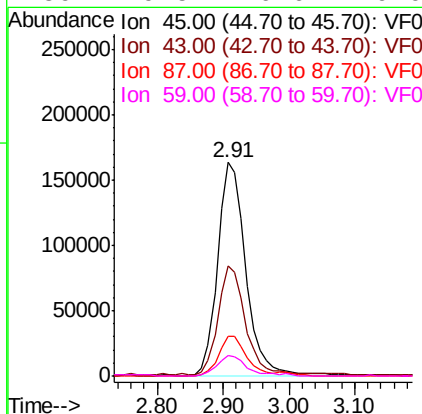
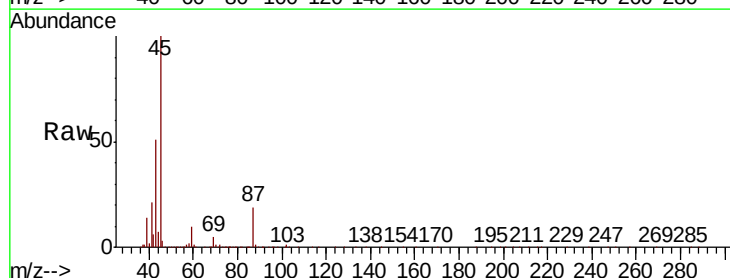
RT: 2.91 min Scan# 231

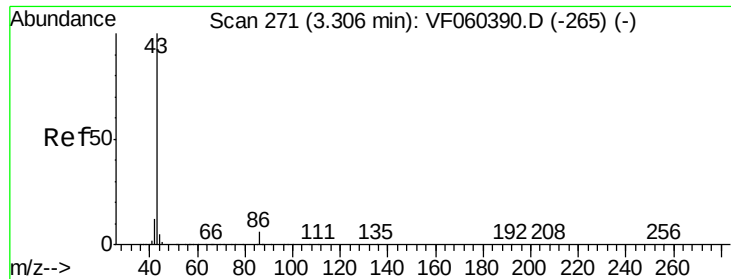
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion:	45	Resp:	485867
Ion	Ratio	Lower	Upper
45	100		
43	51.3	43.8	65.8
87	18.6	16.3	24.5
59	9.5	6.6	10.0





#23

Vinyl Acetate

Concen: 259.799 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 864783

Ion Ratio Lower Upper

43 100

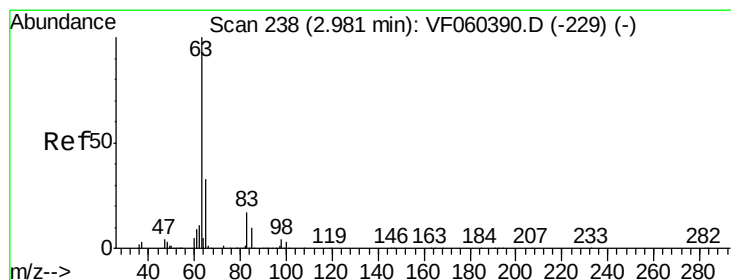
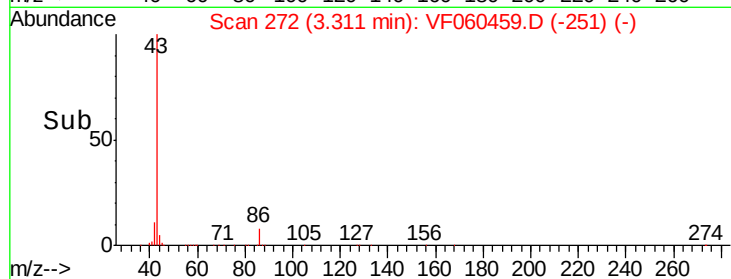
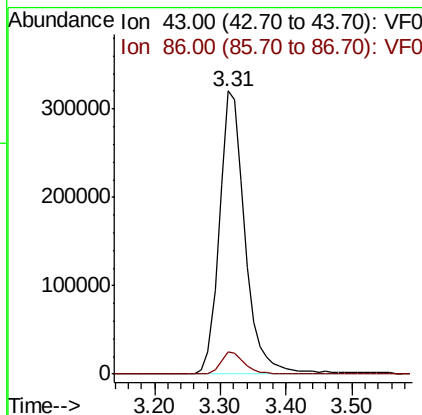
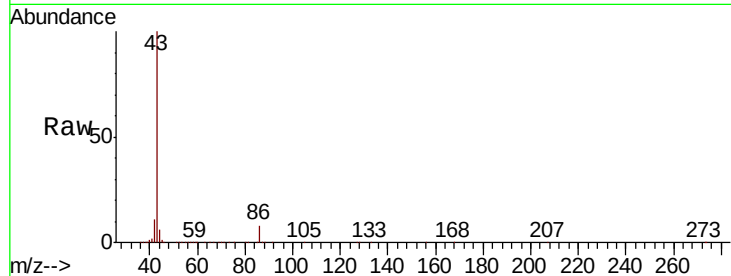
86 7.8 5.1 7.7#

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#24

1,1-Dichloroethane

Concen: 56.658 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

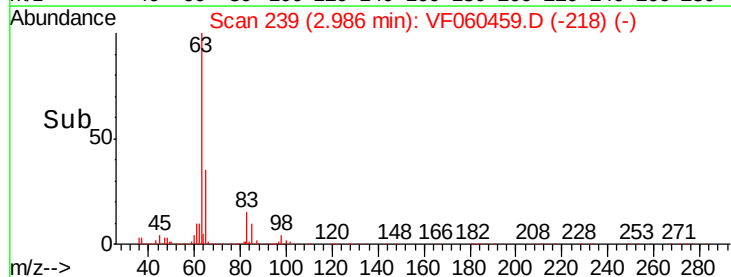
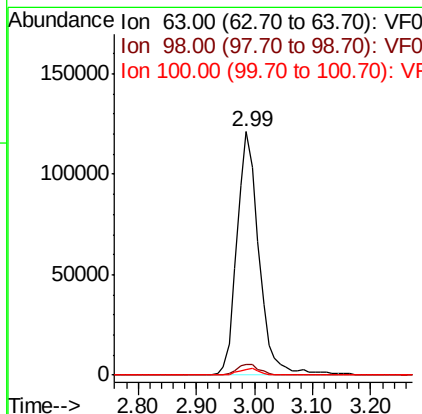
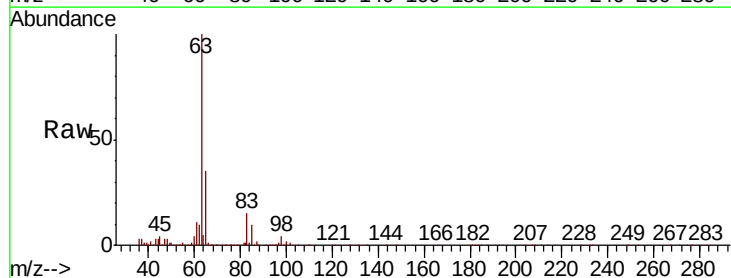
Tgt Ion: 63 Resp: 321059

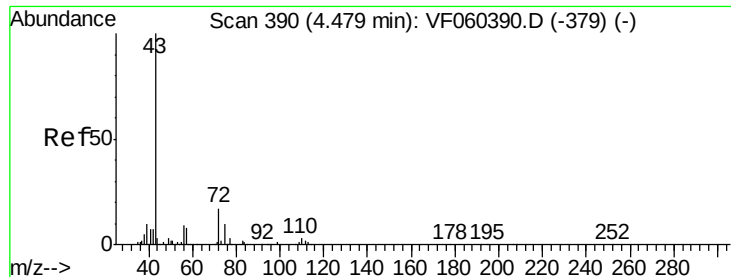
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.4 1.4 4.2





#25

2-Butanone

Concen: 254.296 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tot Ion: 43 Resp: 244728

Ion Ratio Lower Upper

43 100

72 20.9 14.1 21.1

Instrument :

MSVOA_F

ClientSampleId :

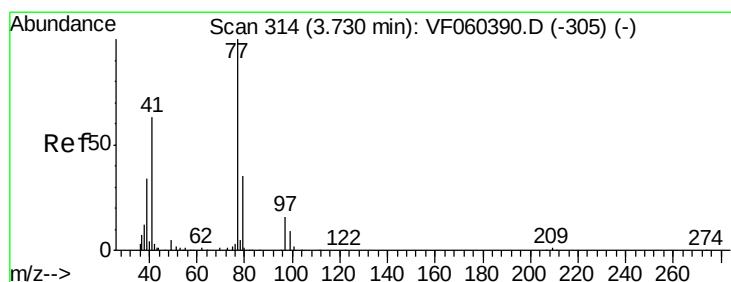
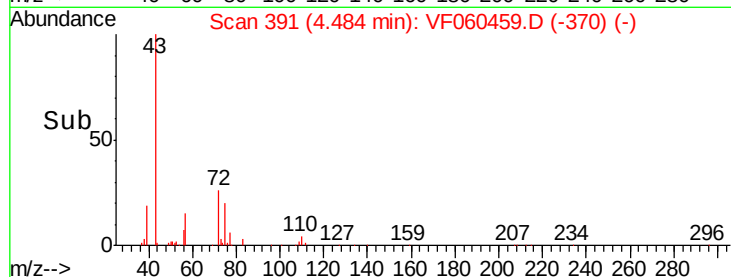
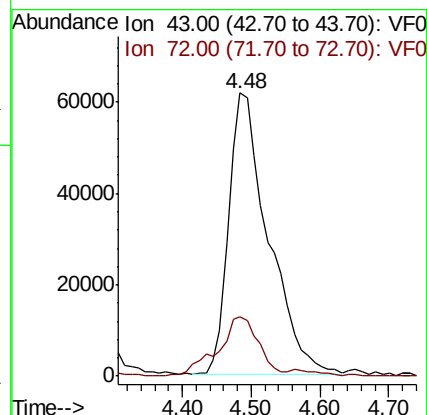
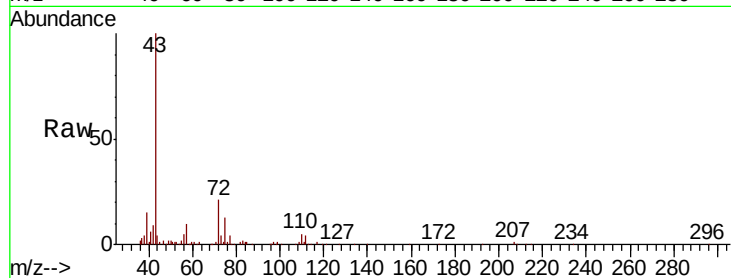
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 56.870 ug/l

RT: 3.74 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF060459.D

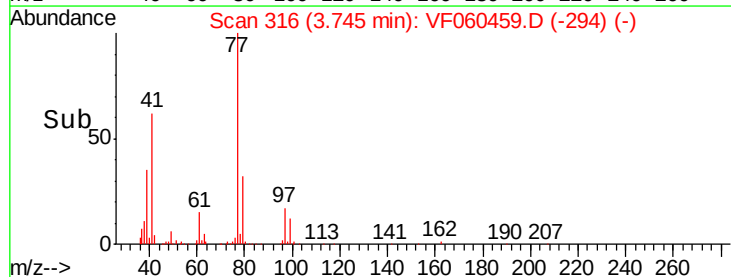
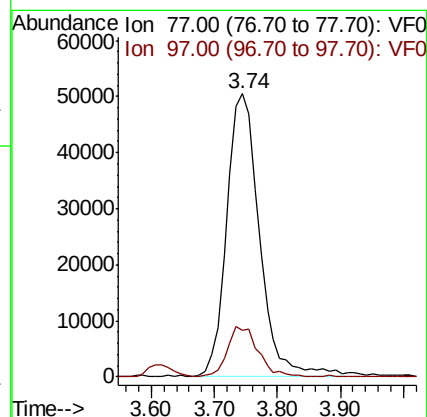
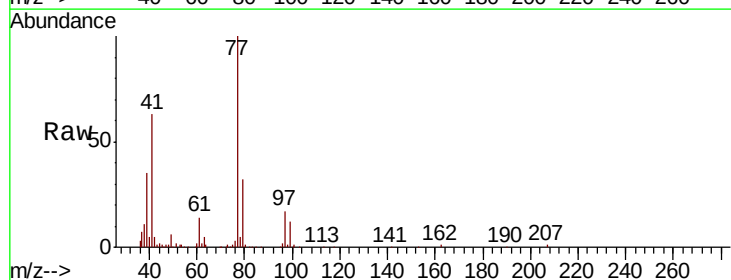
Acq: 5 Oct 2018 16:05

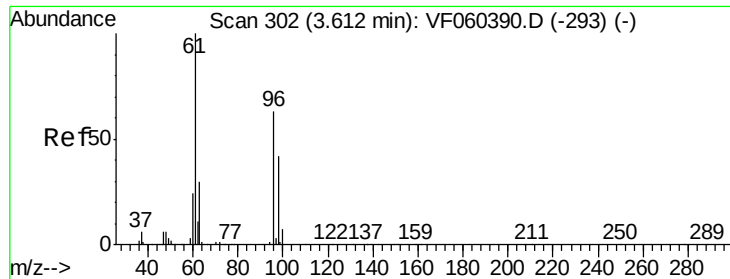
Tgt Ion: 77 Resp: 182522

Ion Ratio Lower Upper

77 100

97 16.6 8.3 25.1





#27

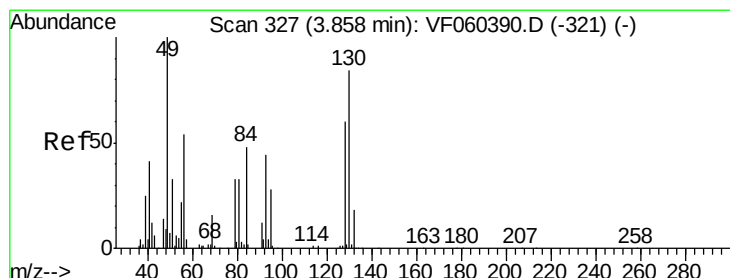
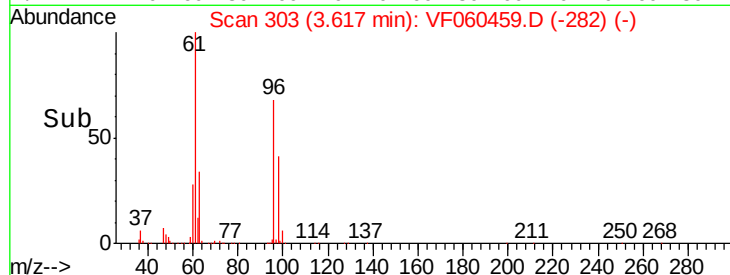
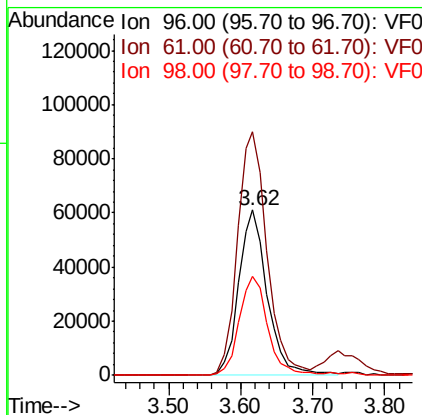
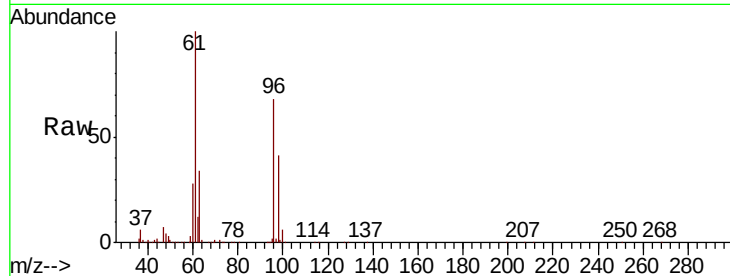
cis-1,2-Dichloroethene
Concen: 52.590 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	169193		
61	147.5	0.0	318.2	
98	60.3	0.0	134.0	

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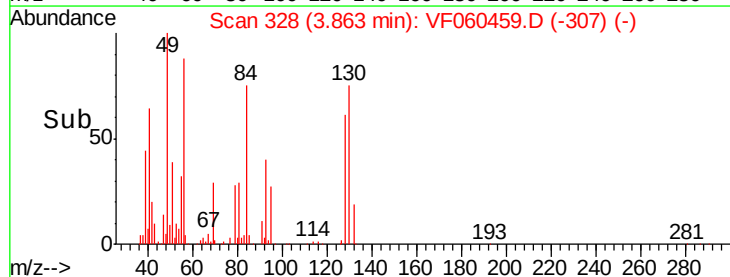
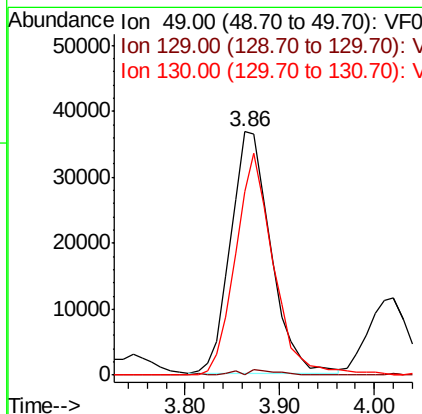
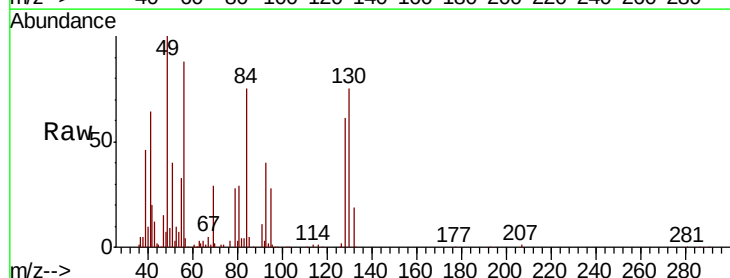
apatel
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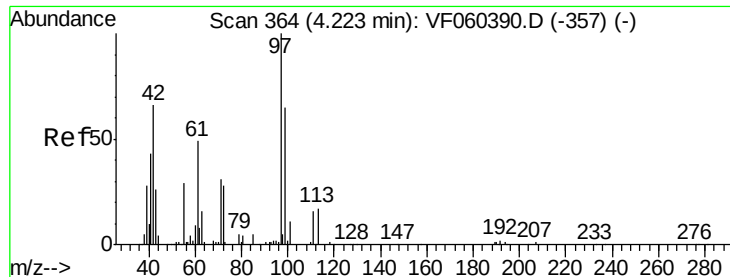


#28

Bromochloromethane
Concen: 51.711 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	107995		
129	0.0	0.0	4.6	
130	75.2	67.3	100.9	





#29

Tetrahydrofuran

Concen: 282.963 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

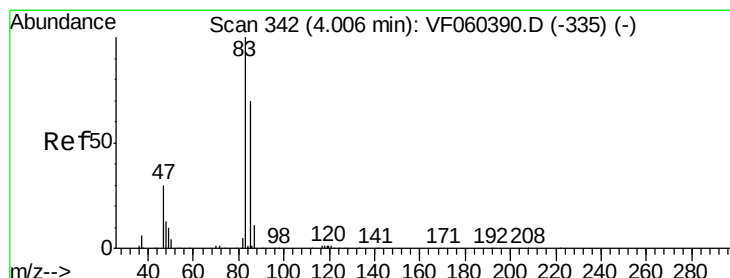
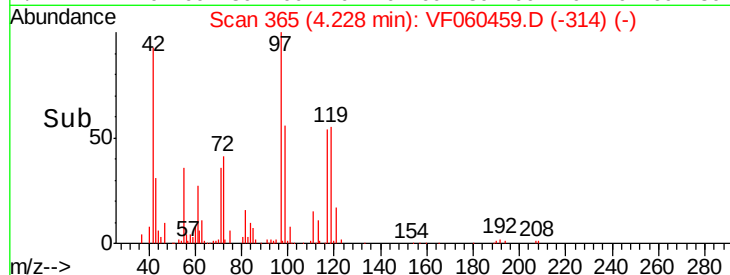
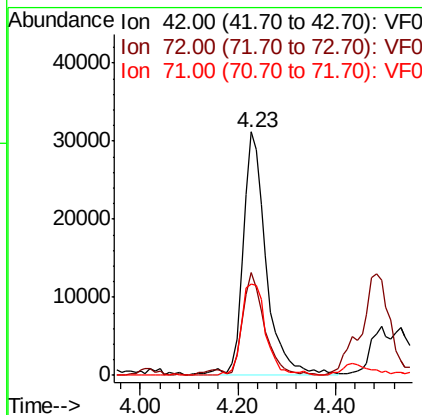
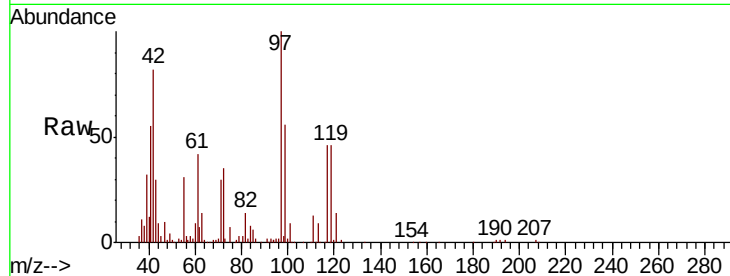
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	102363
Ion Ratio		Lower	Upper
42	100		
72	40.0	33.6	50.4
71	39.7	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 52.367 ug/l

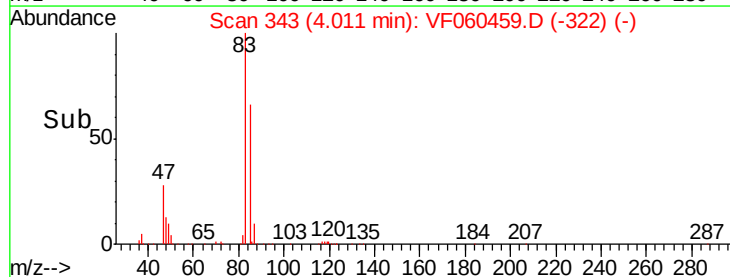
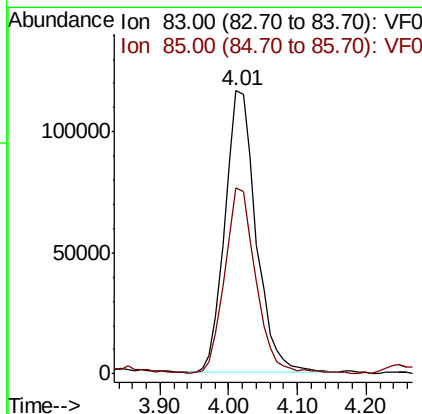
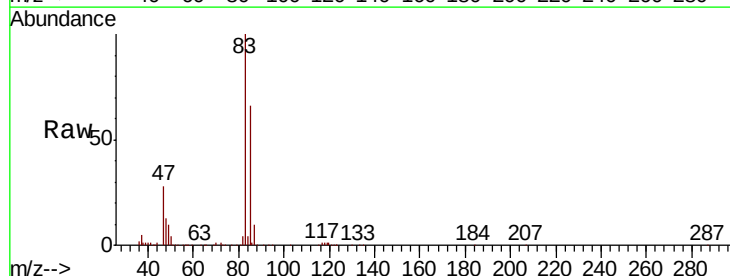
RT: 4.01 min Scan# 343

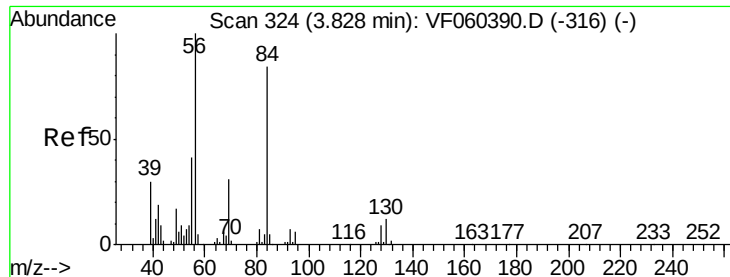
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion:	83	Resp:	366167
Ion Ratio		Lower	Upper
83	100		
85	65.9	55.9	83.9





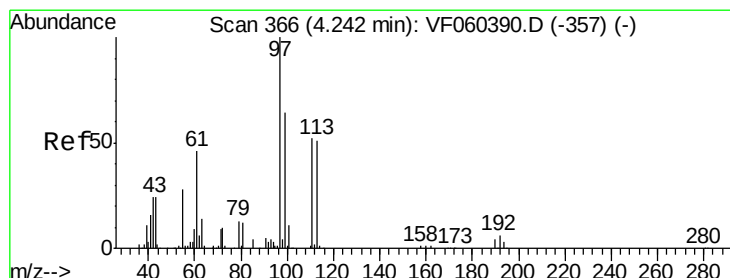
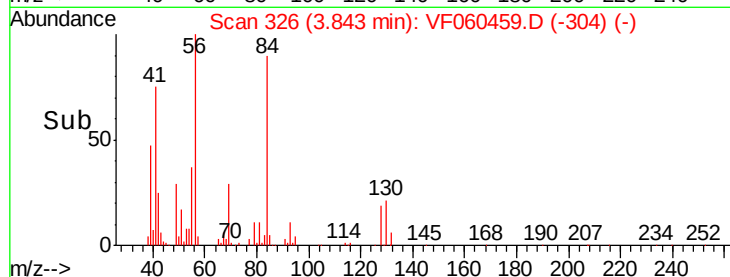
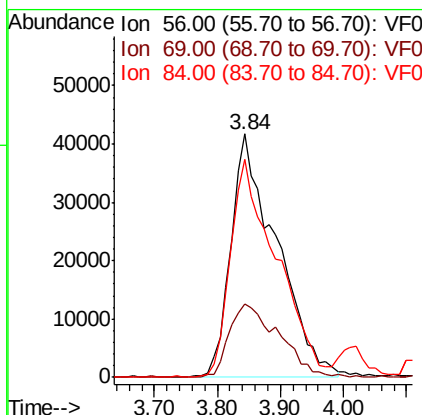
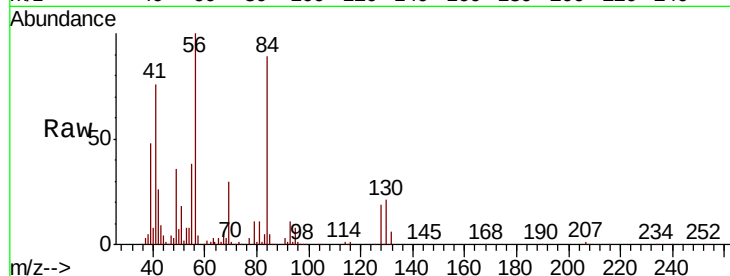
#31
Cyclohexane
Concen: 51.204 ug/l
RT: 3.84 min Scan# 326
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.5	38.3
84	89.3	67.4	101.0

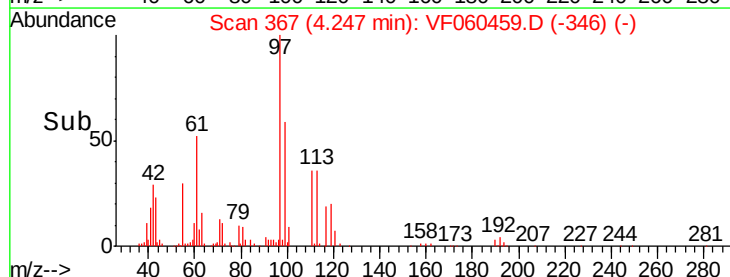
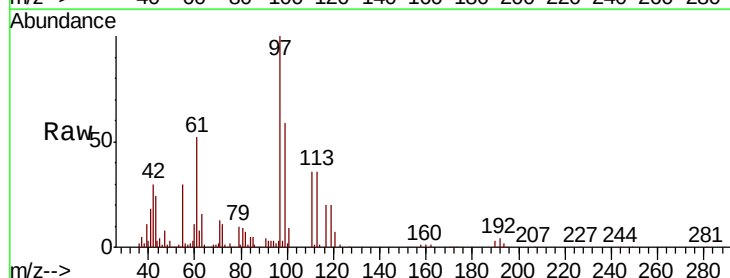
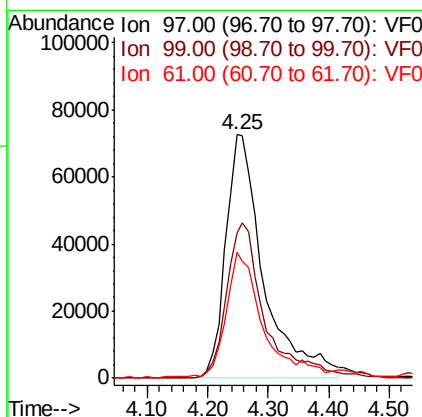
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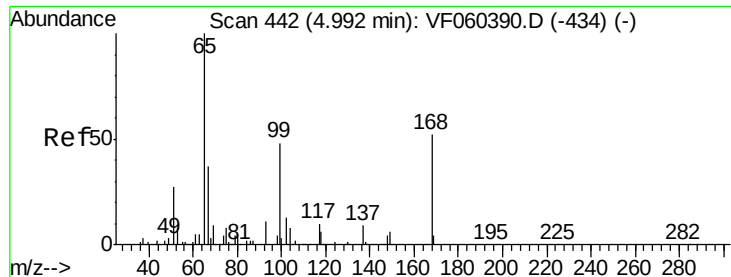
apatel
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#32
1,1,1-Trichloroethane
Concen: 54.501 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.5	51.0	76.4
61	51.7	37.5	56.3





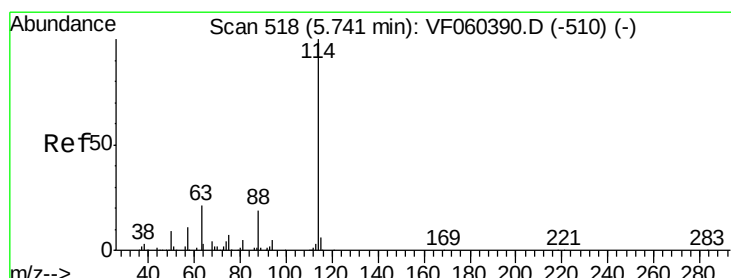
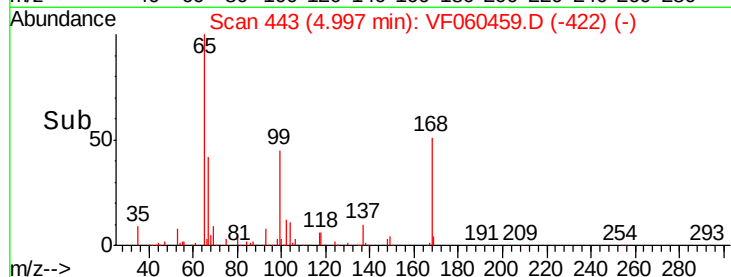
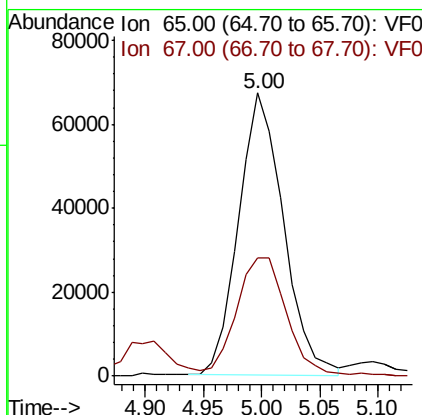
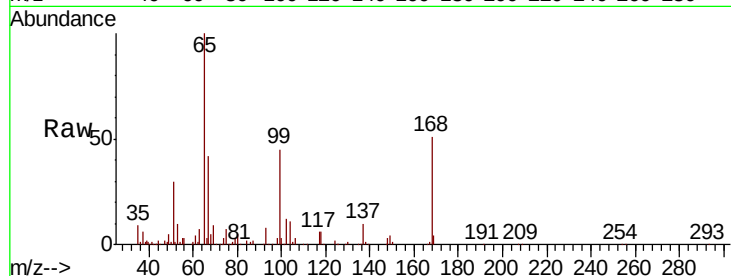
#33
 1,2-Dichloroethane-d4
 Concen: 48.343 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179678		
67	41.9	0.0	89.4	

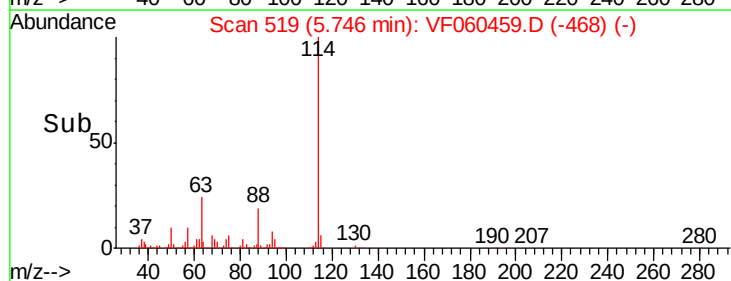
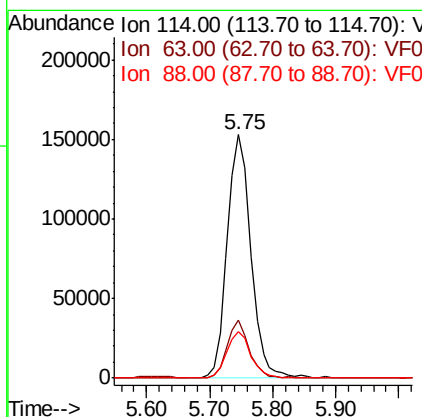
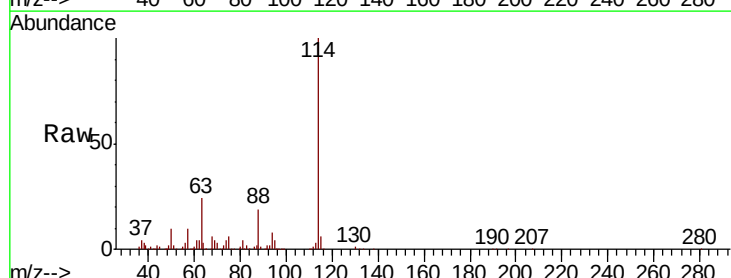
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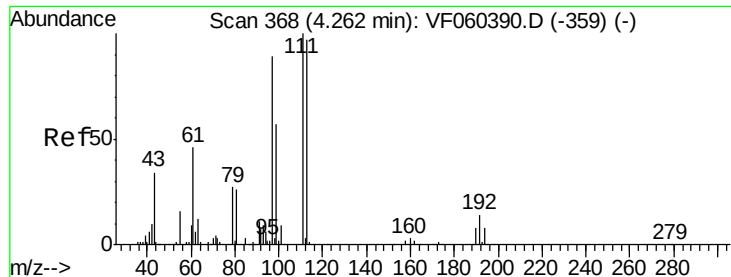
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398944		
63	23.9	0.0	42.2	
88	19.1	0.0	38.8	





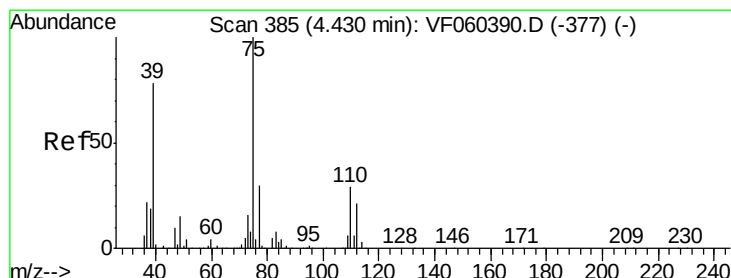
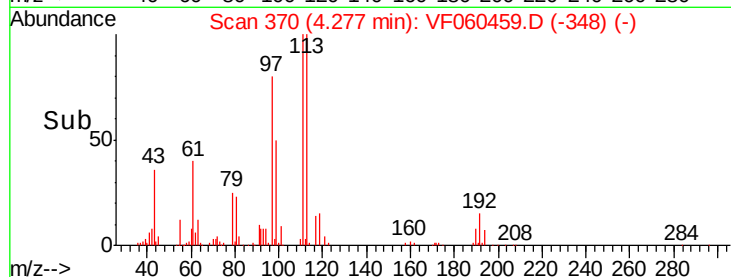
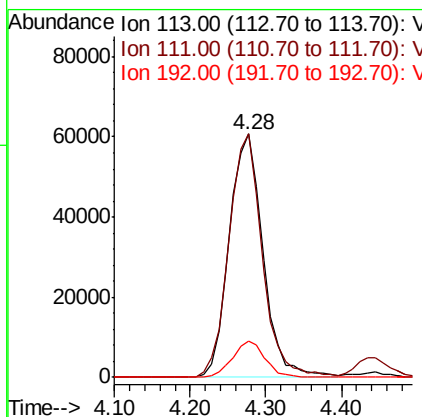
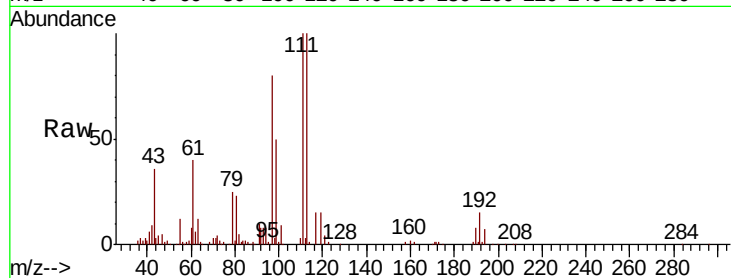
#35
 Dibromofluoromethane
 Concen: 49.994 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.3	123.5
192	15.0	11.8	17.6

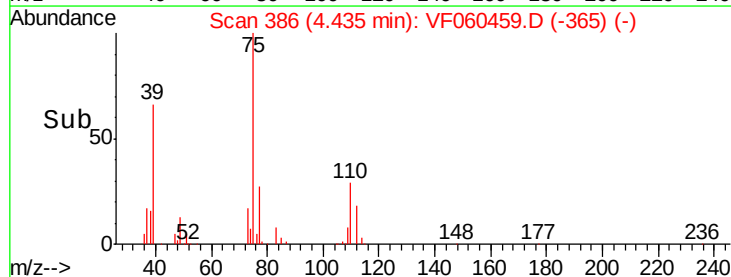
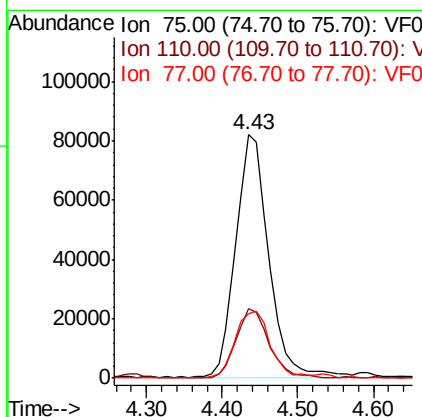
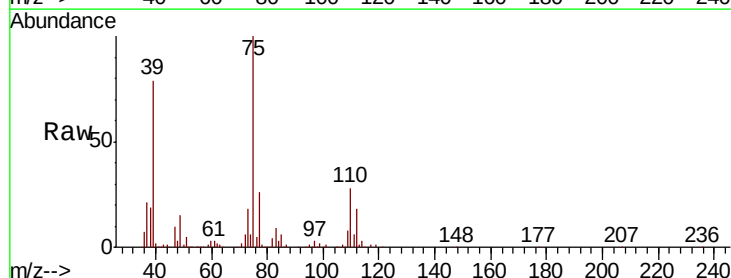
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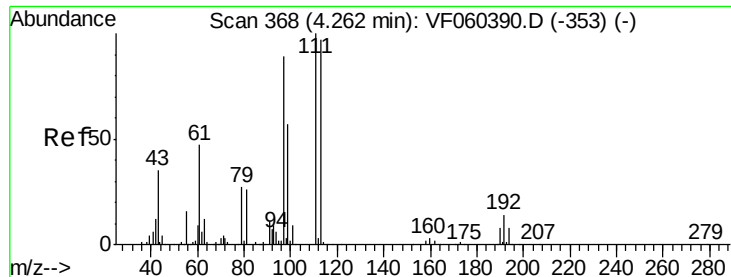
apatel
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#36
 1,1-Dichloropropene
 Concen: 50.685 ug/l
 RT: 4.43 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.4	14.5	43.6
77	26.5	24.3	36.5





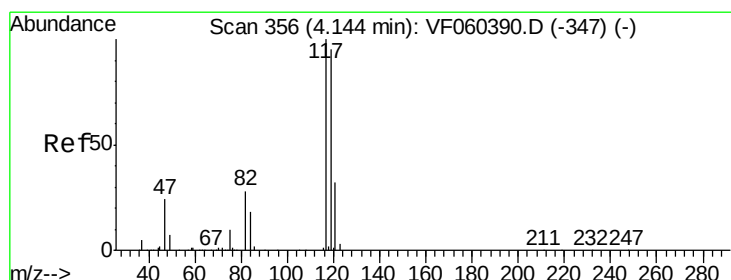
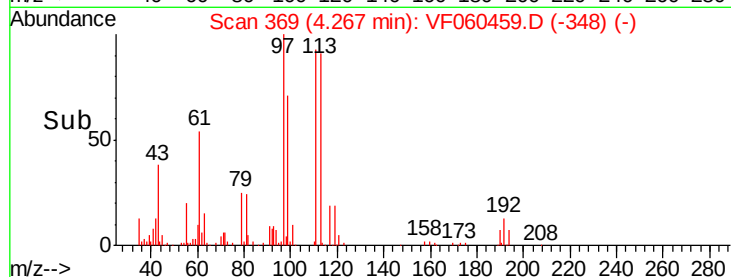
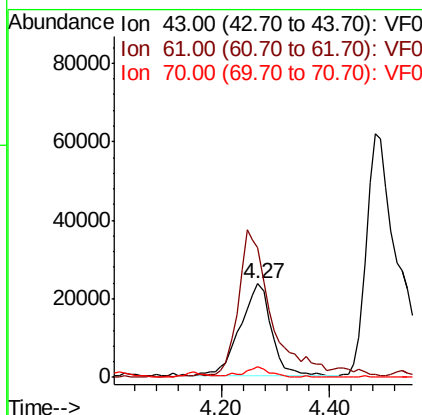
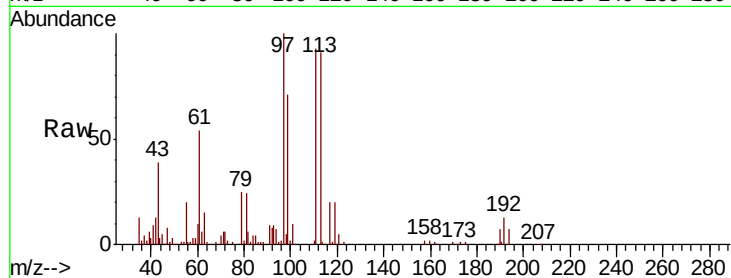
#37
Ethyl Acetate
Concen: 49.262 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	139.2	105.1	157.7
70	11.1	8.0	12.0

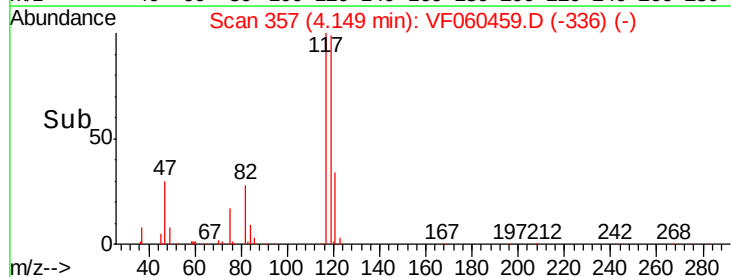
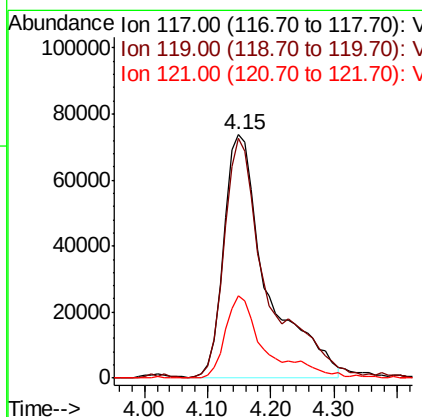
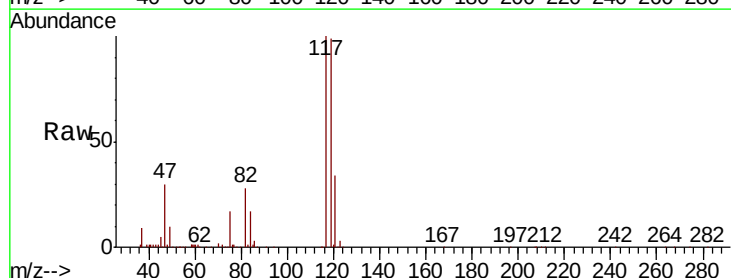
Manual Integrations
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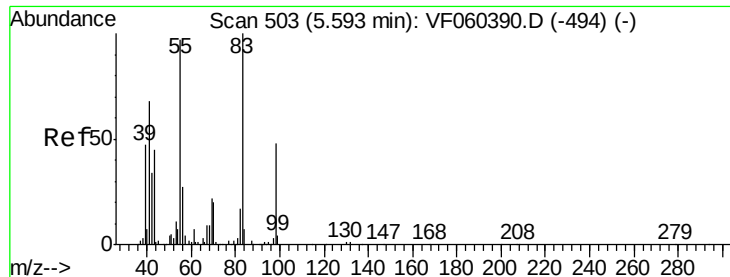
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#38
Carbon Tetrachloride
Concen: 58.609 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.5	113.3
121	33.8	25.4	38.0





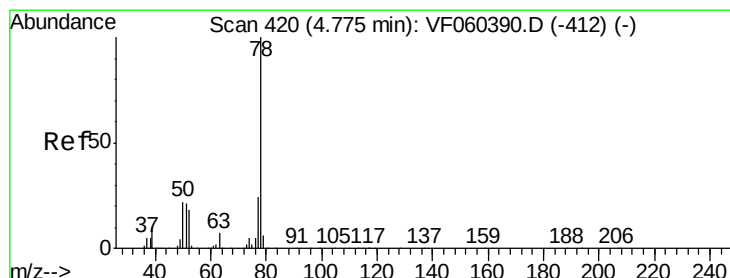
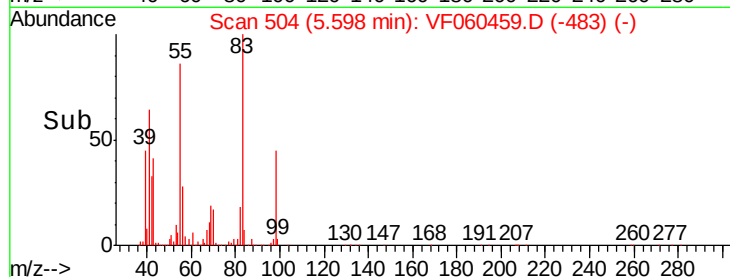
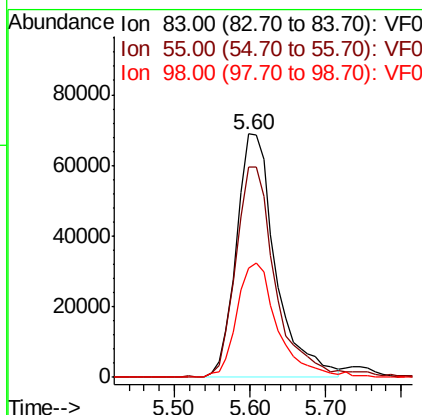
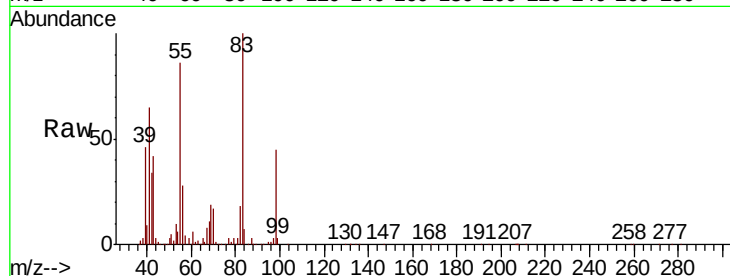
#39
Methylvlcyclohexane
Concen: 51.473 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	77.5	116.3
98	45.0	38.7	58.1

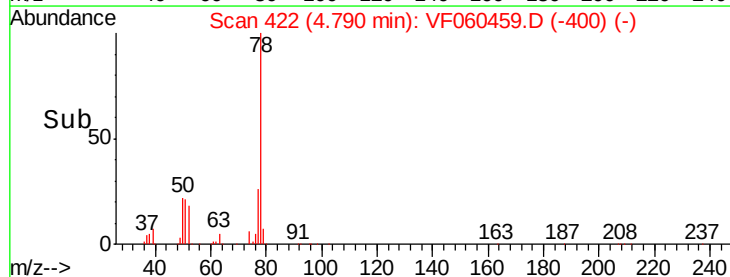
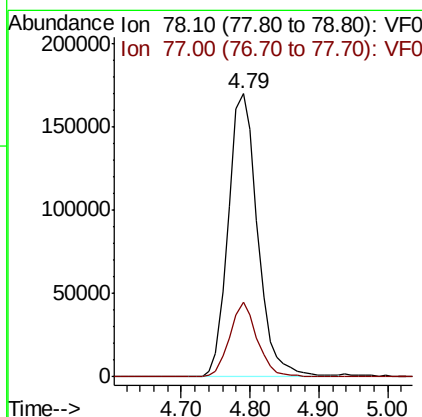
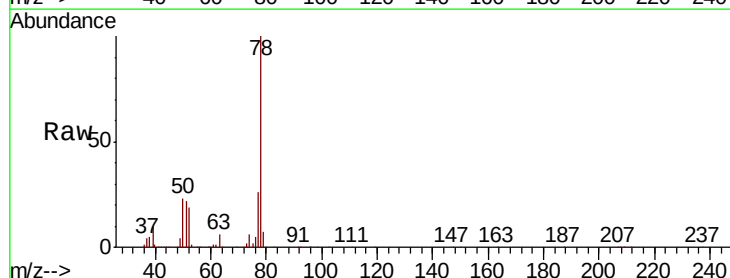
Manual Integrations
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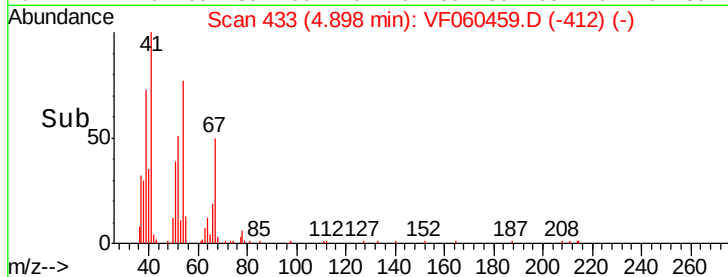
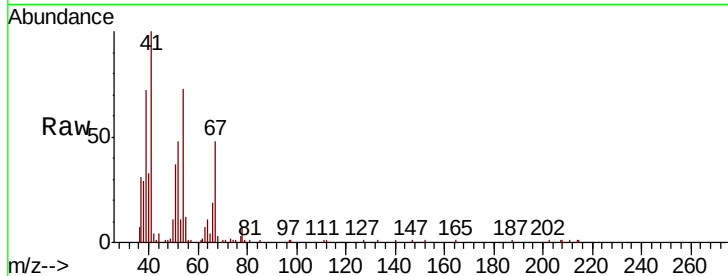
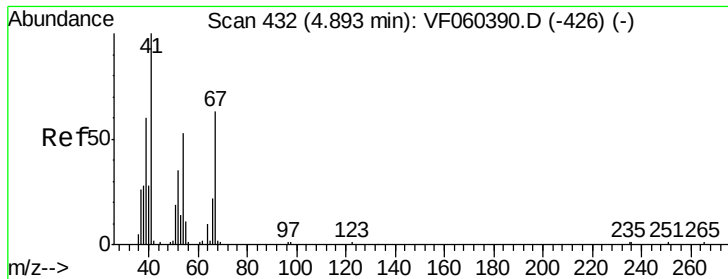
apatel
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#40
Benzene
Concen: 51.570 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.2	28.8





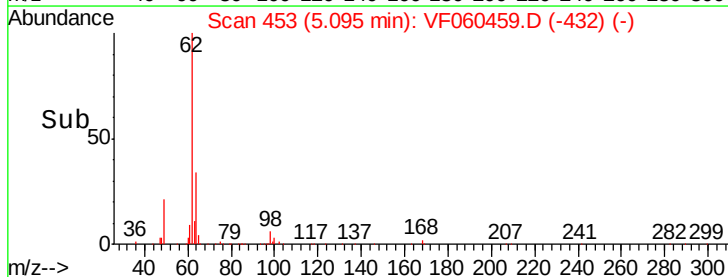
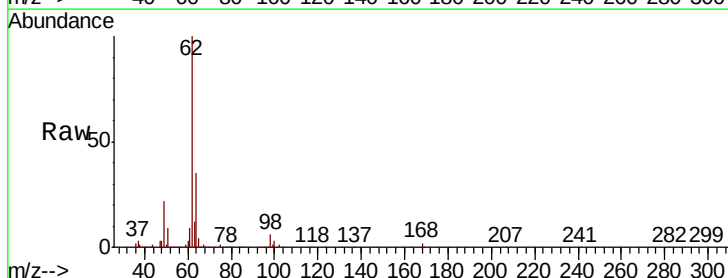
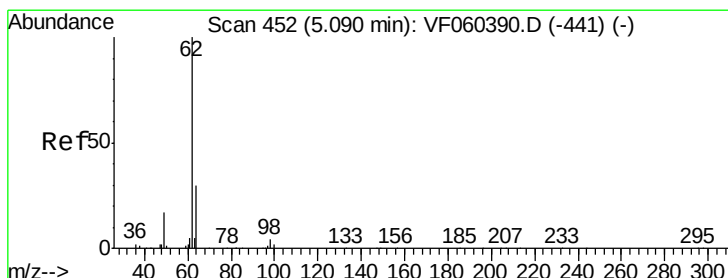
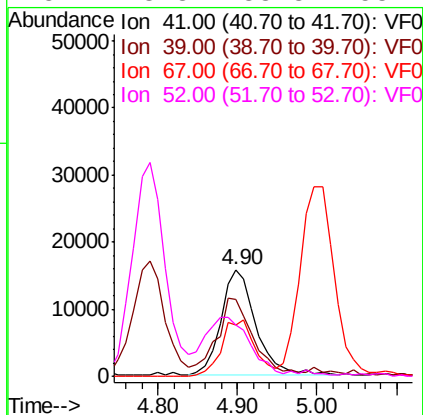
#41
Methacrylonitrile
Concen: 48.018 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.7	55.0	82.4	
67	48.3	49.6	74.4	
52	48.3	38.8	58.2	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

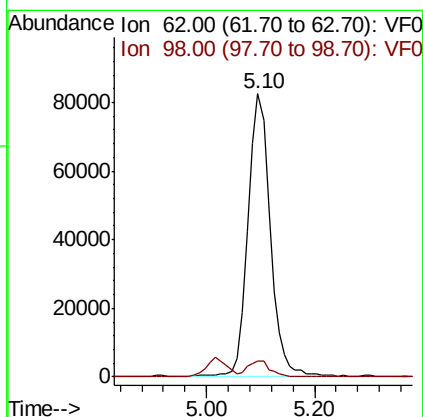
Manual Integrations
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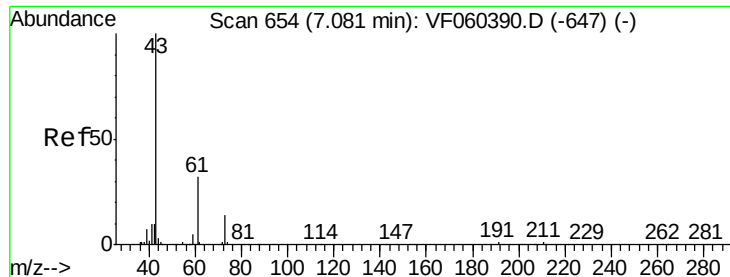
apatel
10/8/2018 9:31:23 AM



#42
1,2-Dichloroethane
Concen: 50.994 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.8	0.0	11.2	





#43

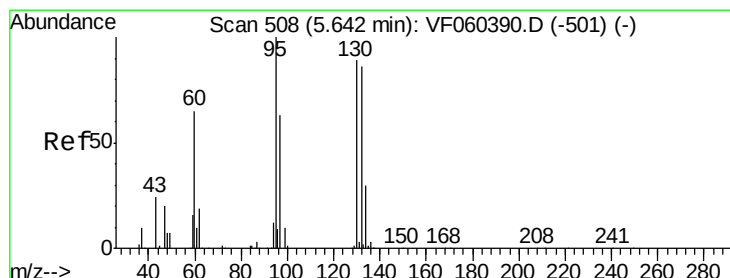
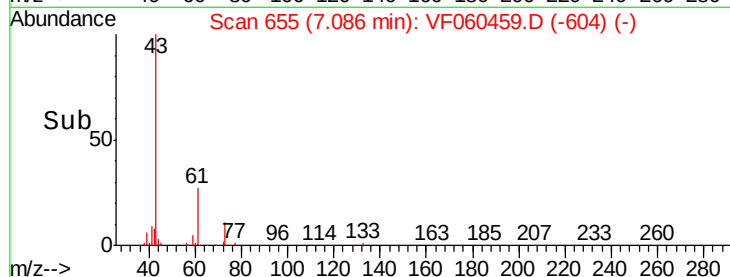
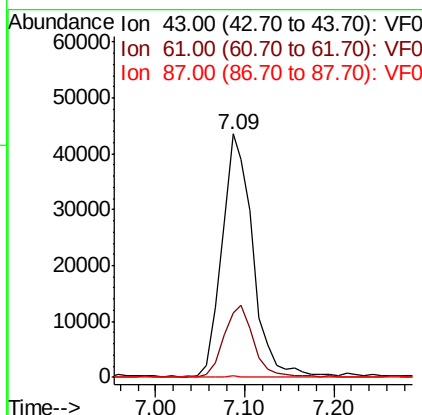
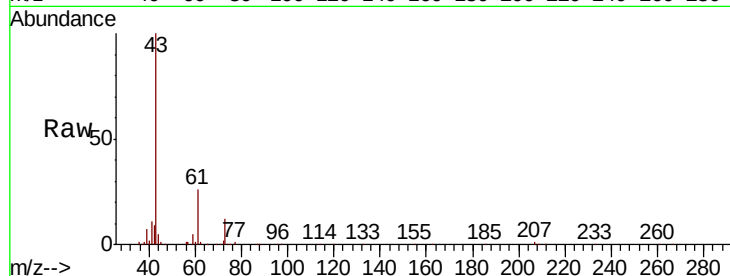
Isopropyl Acetate
 Concen: 46.204 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	25.4	38.2
87	0.4	0.3	0.5

Manual Integrations
 APPROVED

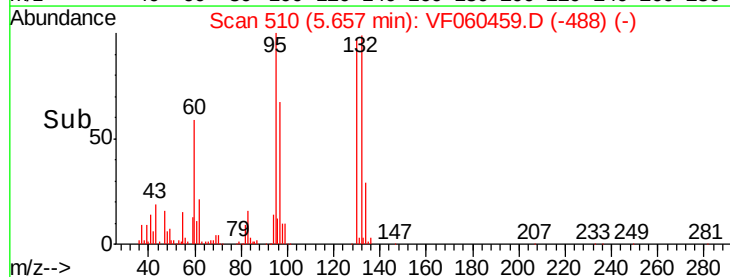
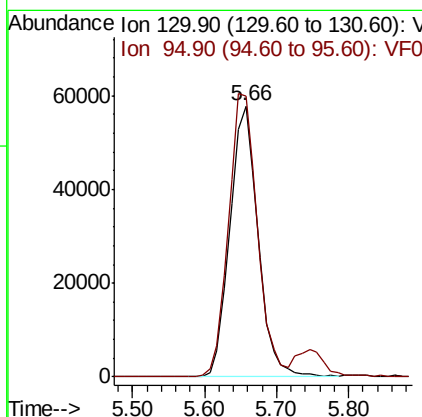
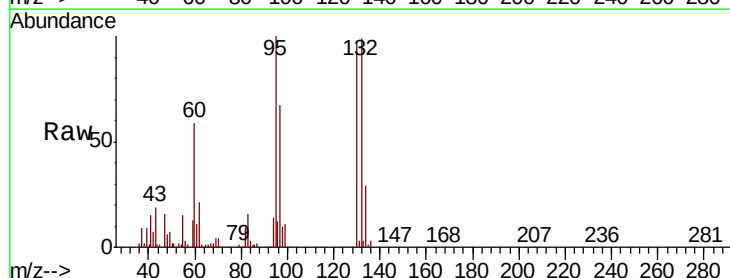
apatel
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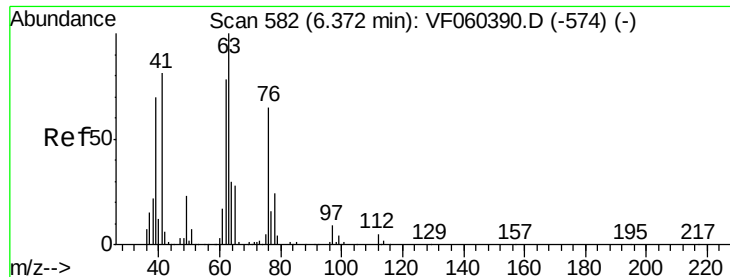


#44

Trichloroethene
 Concen: 50.435 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	224.4





#45

1,2-Dichloropropane

Concen: 49.128 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 127752

Ion Ratio Lower Upper

63 100

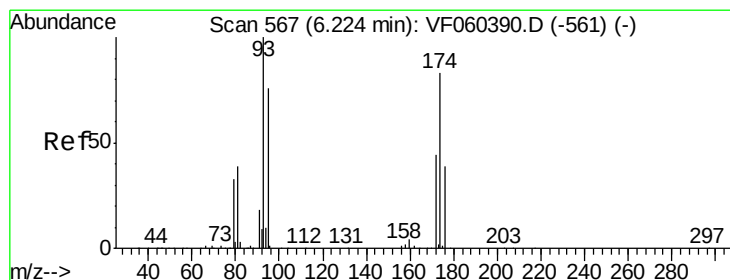
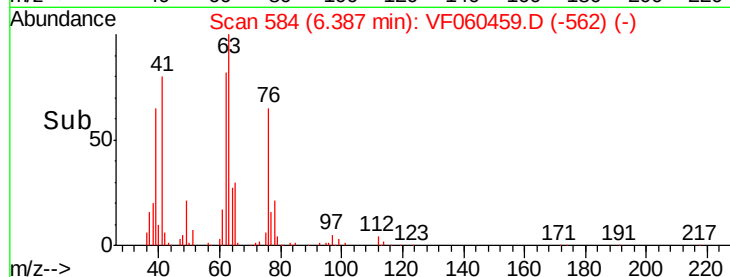
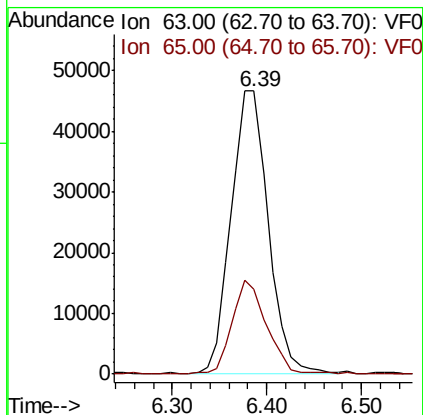
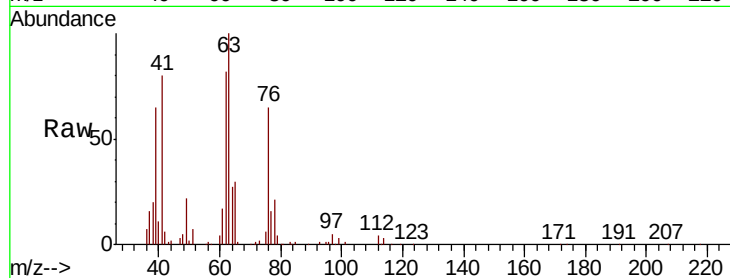
65 30.1 22.7 34.1

Manual Integrations

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#46

Dibromomethane

Concen: 48.392 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

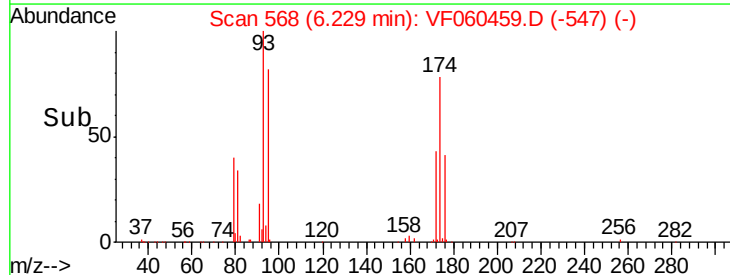
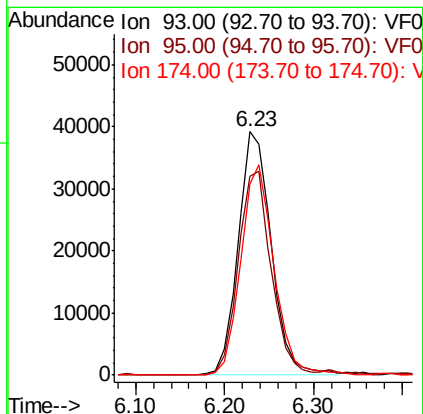
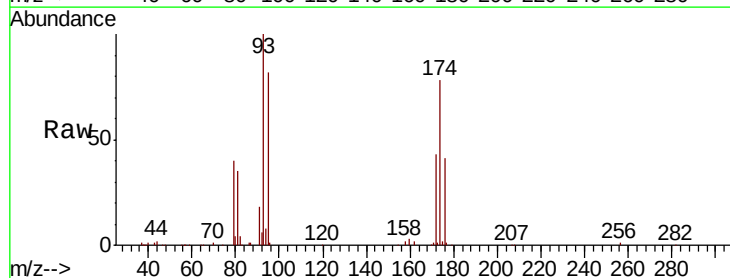
Tgt Ion: 93 Resp: 101173

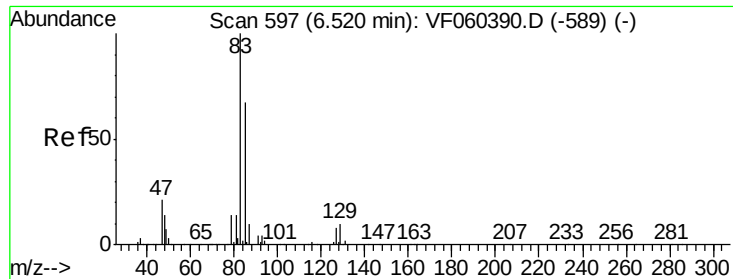
Ion Ratio Lower Upper

93 100

95 81.7 61.1 91.7

174 78.4 66.7 100.1





#47

Bromodichloromethane

Concen: 50.682 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

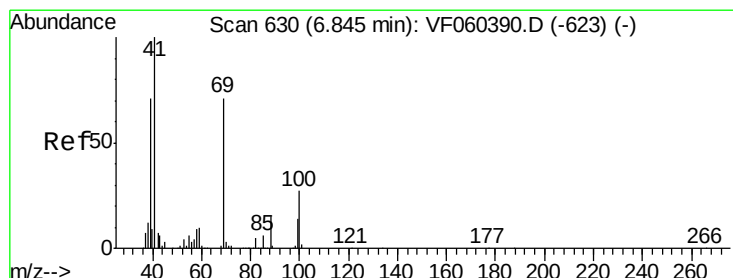
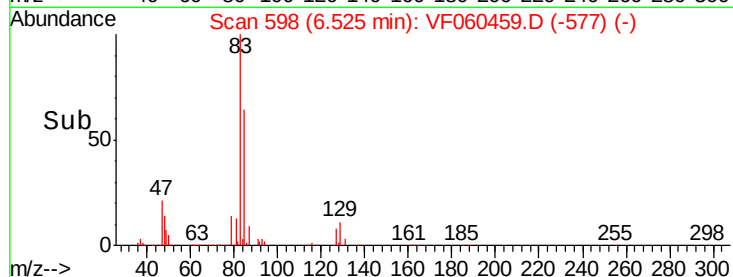
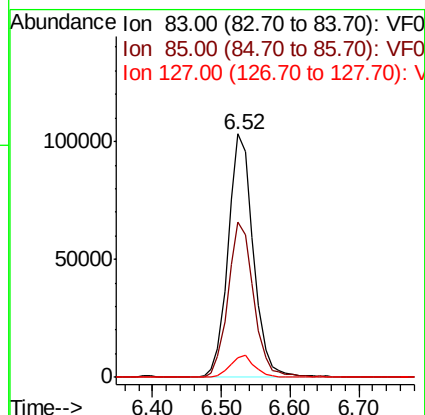
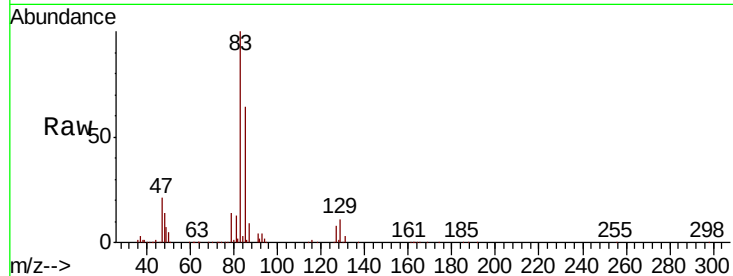
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	262429
Ion Ratio	Lower	Upper	
83	100		
85	64.0	53.2	79.8
127	8.0	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.591 ug/l

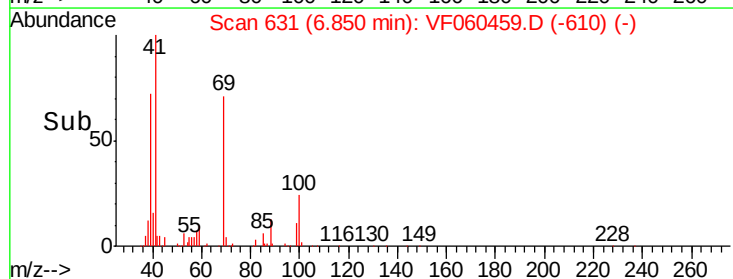
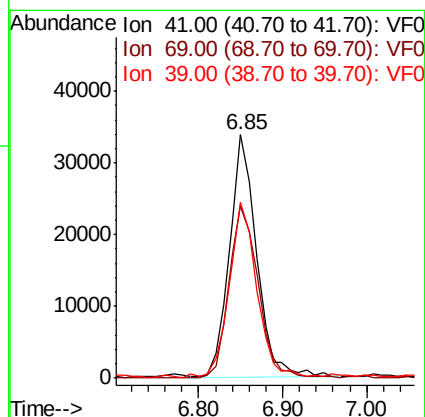
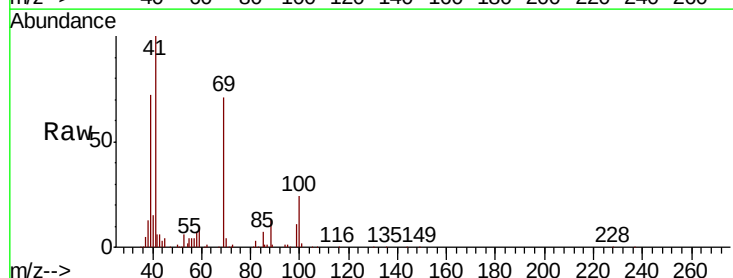
RT: 6.85 min Scan# 631

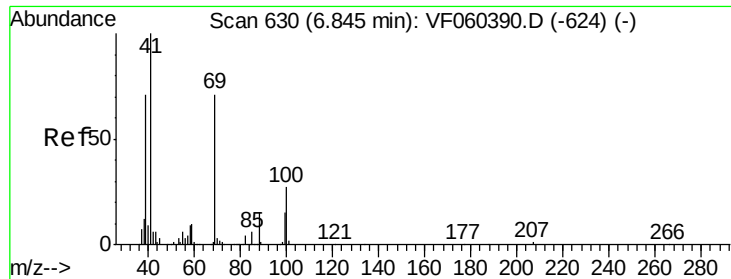
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion:	41	Resp:	76127
Ion Ratio	Lower	Upper	
41	100		
69	70.7	56.3	84.5
39	72.2	56.9	85.3





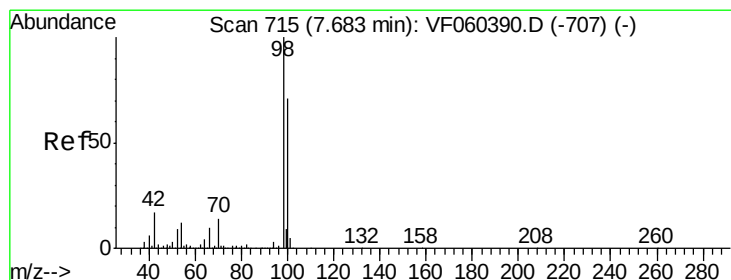
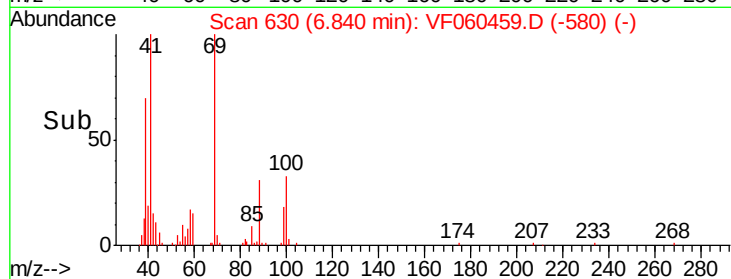
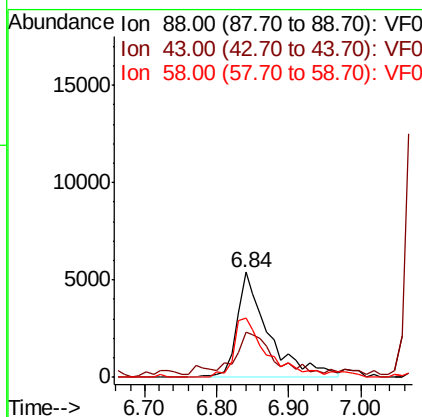
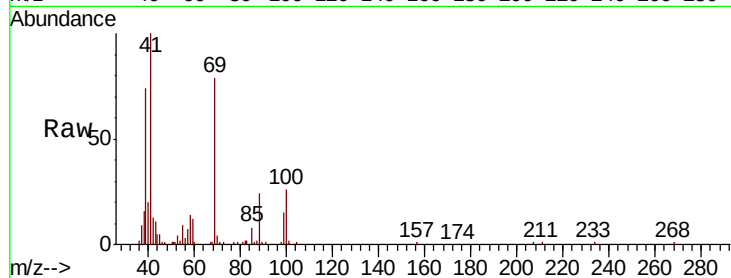
#49
1,4-Dioxane
Concen: 1171.469 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.2	38.3	57.5
58	56.9	47.4	71.2

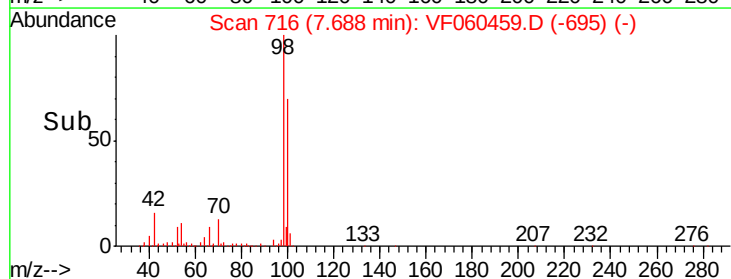
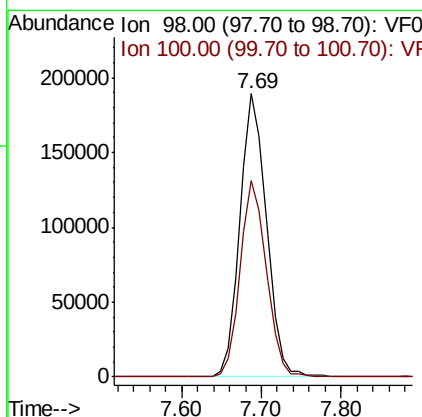
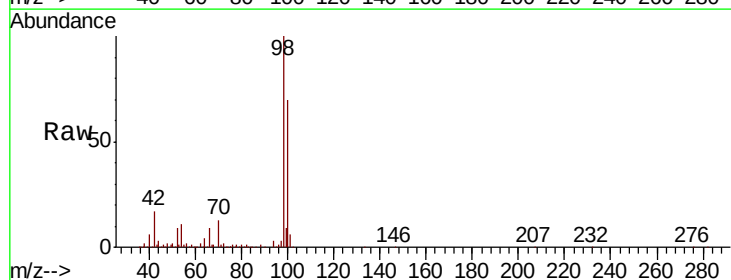
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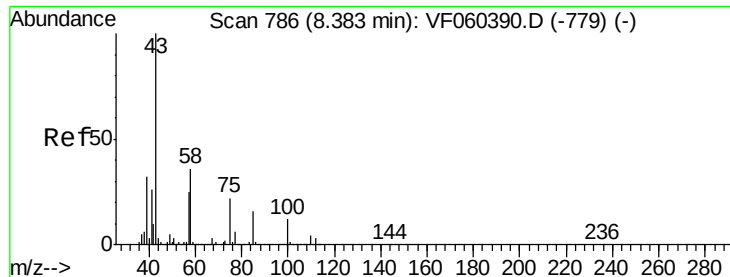
apatel
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#50
Toluene-d8
Concen: 47.433 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 240.026 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 388919

Ion Ratio Lower Upper

43 100

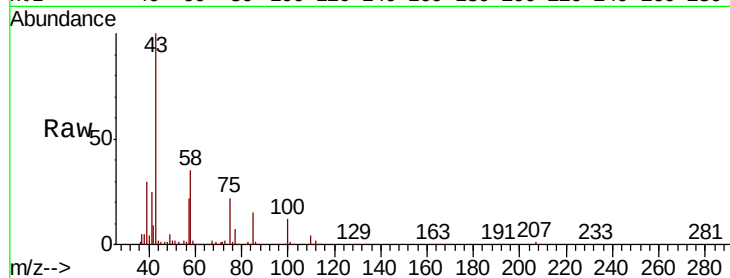
58 35.1 28.5 42.7

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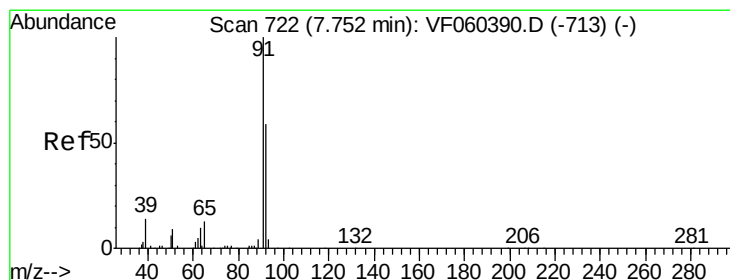
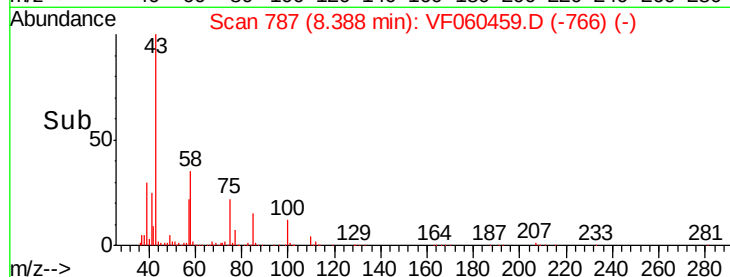
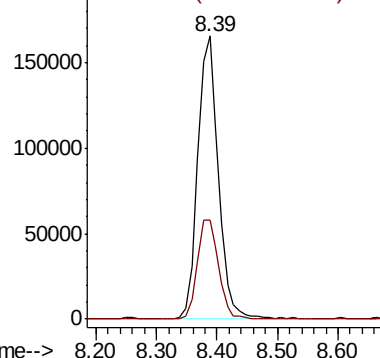
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.638 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060459.D

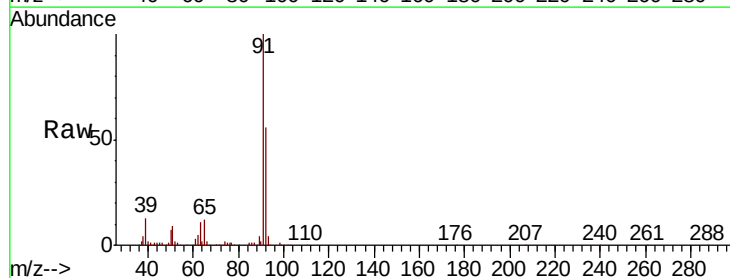
Acq: 5 Oct 2018 16:05

Tgt Ion: 92 Resp: 302682

Ion Ratio Lower Upper

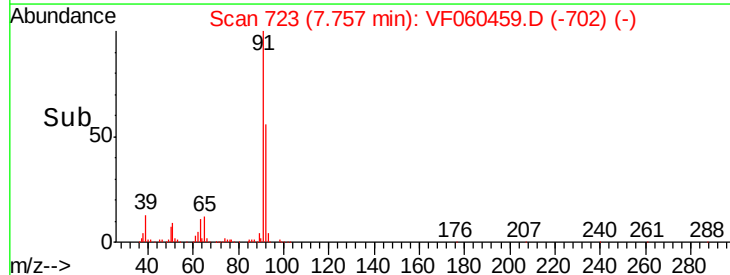
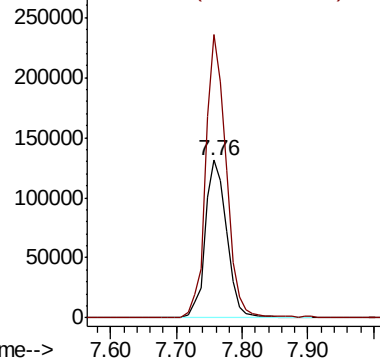
92 100

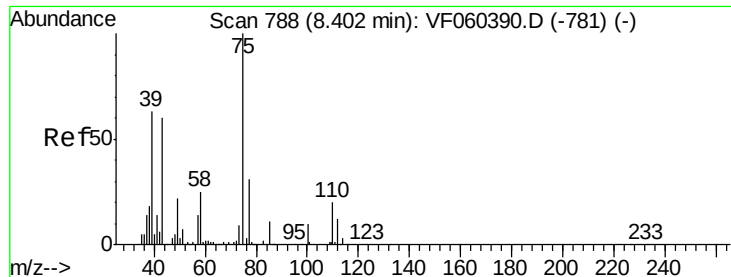
91 179.5 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.858 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 194204

Ion Ratio Lower Upper

75 100

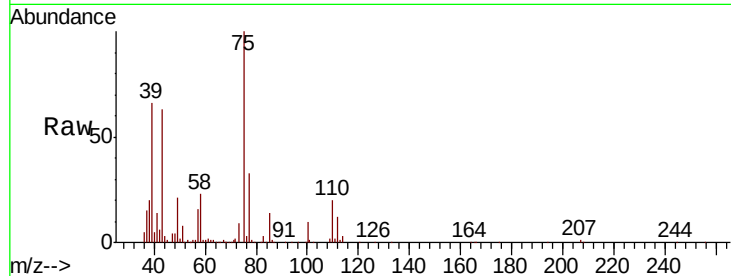
77 33.0 24.6 36.8

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

100000

80000

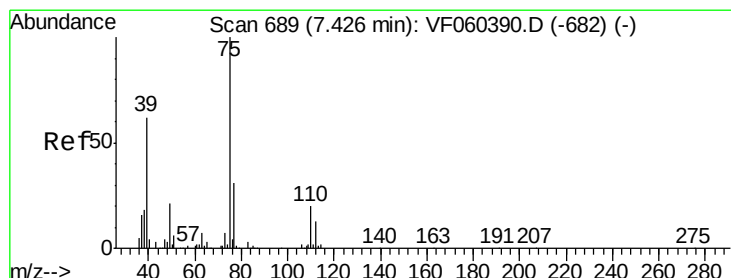
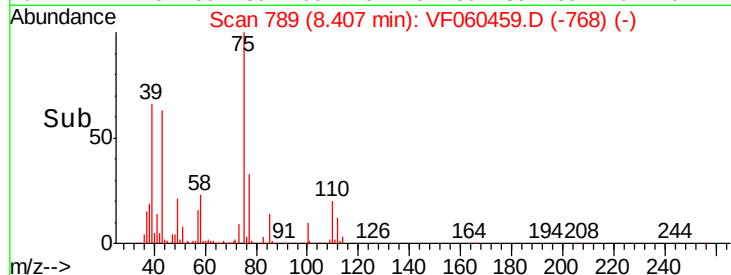
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.154 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

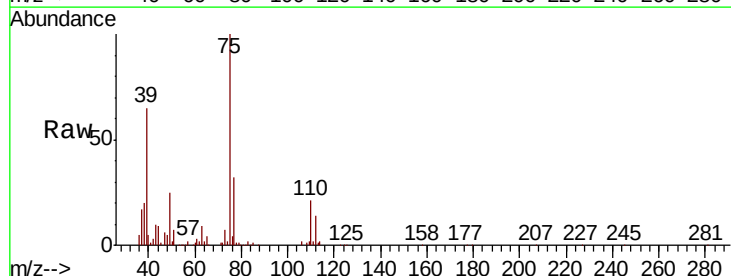
Tgt Ion: 75 Resp: 237862

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

39 65.5 49.7 74.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

120000

100000

80000

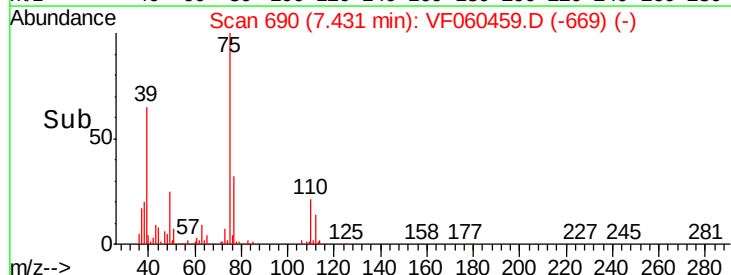
60000

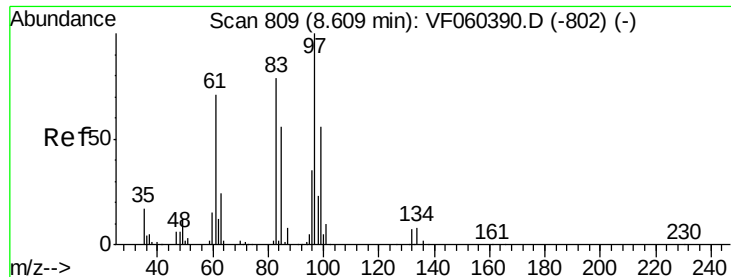
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.003 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

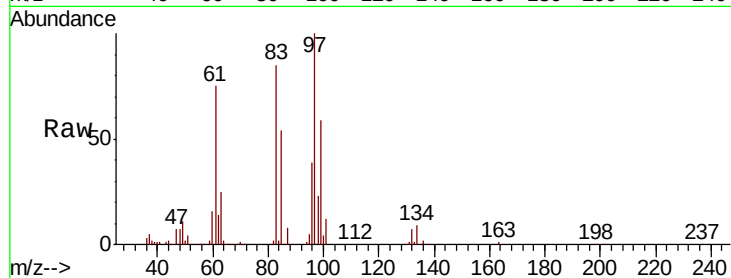
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	105118
Ion	Ratio	Lower	Upper
97	100		
83	85.1	63.4	95.0
85	54.5	44.5	66.7
99	58.6	45.1	67.7

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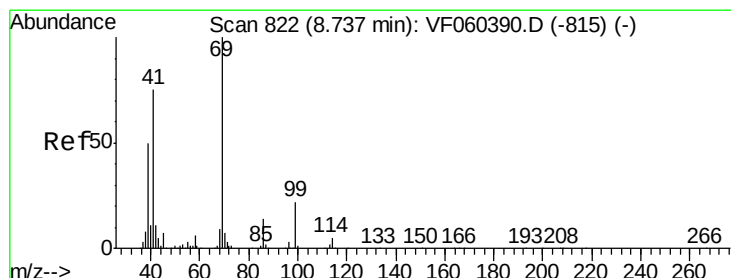
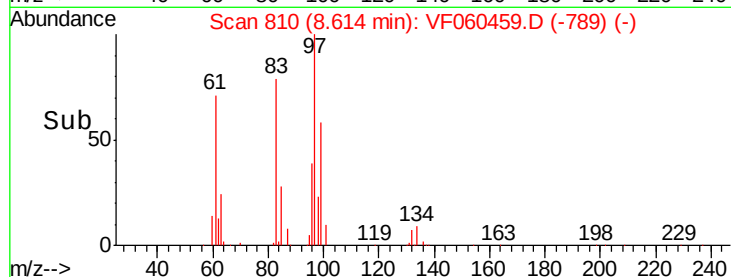
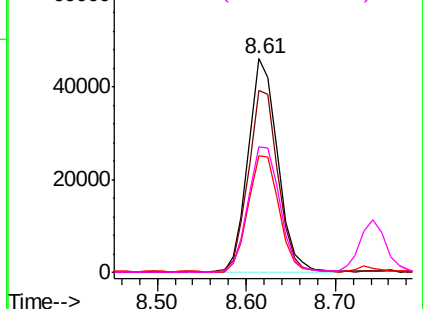


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.048 ug/l

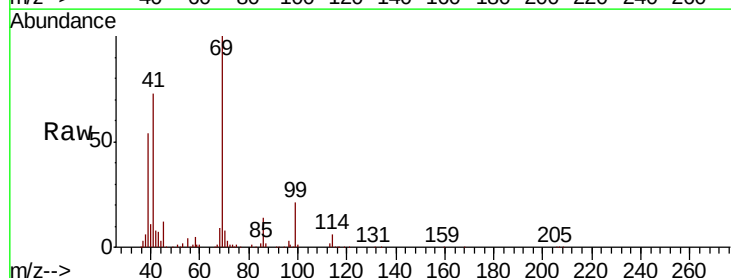
RT: 8.74 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

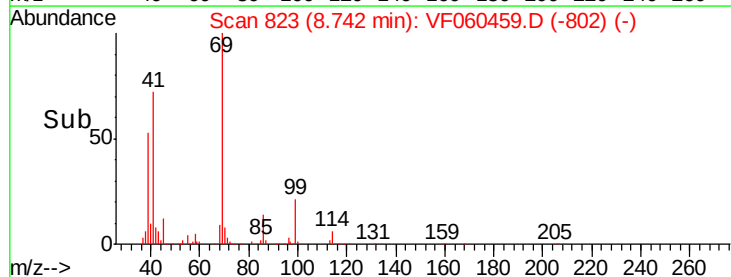
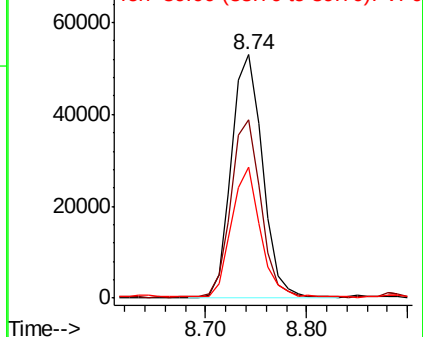
Tgt Ion:	69	Resp:	114778
Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.2	90.4
39	53.8	40.2	60.2

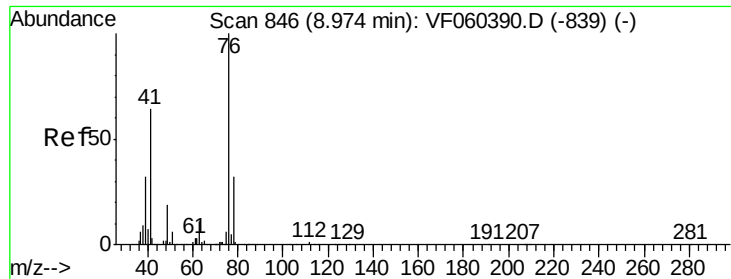


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.481 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 175976

Ion Ratio Lower Upper

76 100

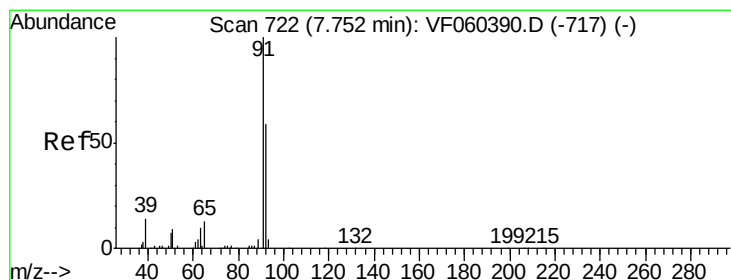
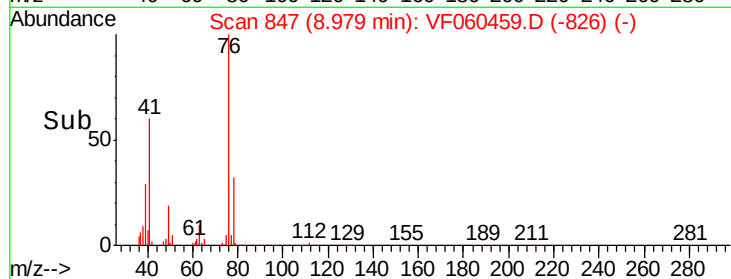
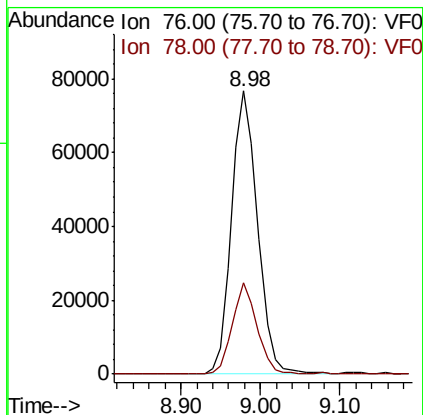
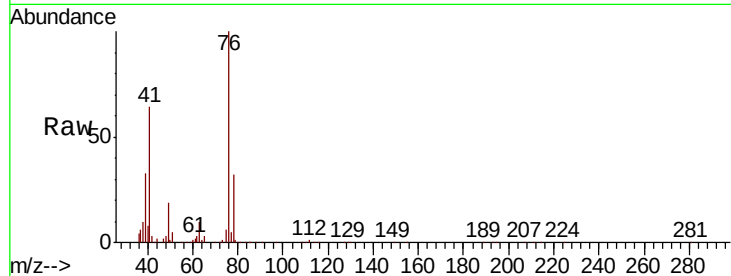
78 32.1 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 228.817 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060459.D

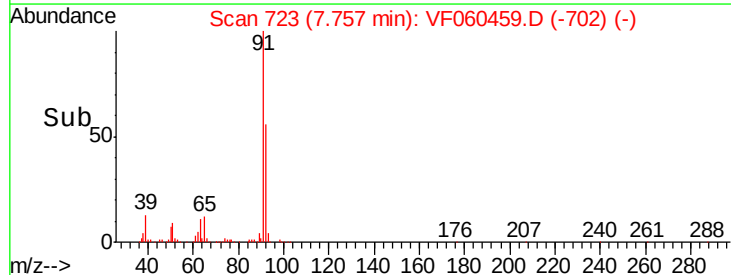
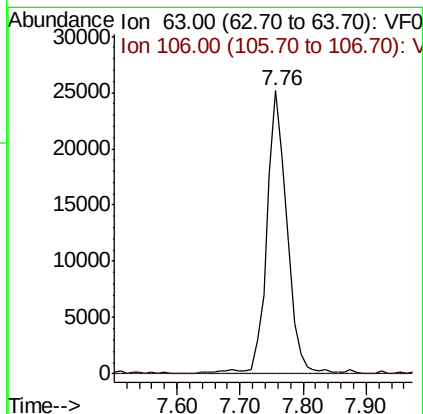
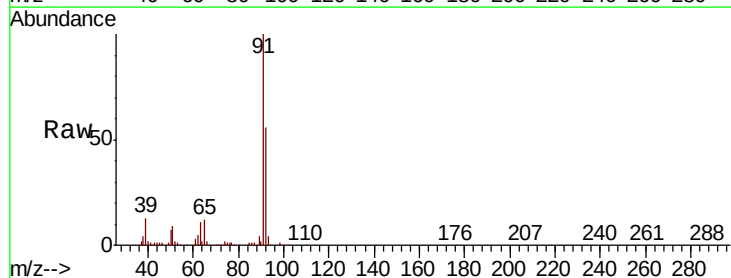
Acq: 5 Oct 2018 16:05

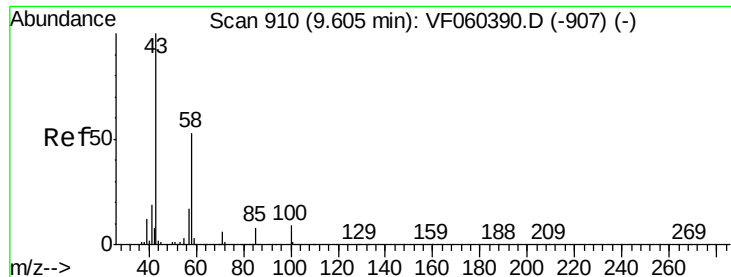
Tgt Ion: 63 Resp: 55833

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





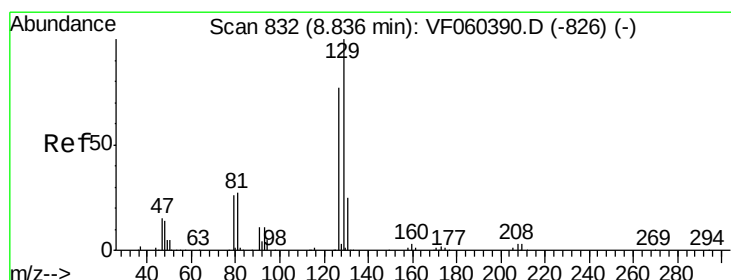
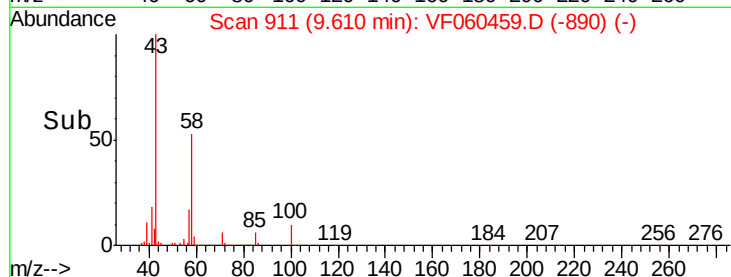
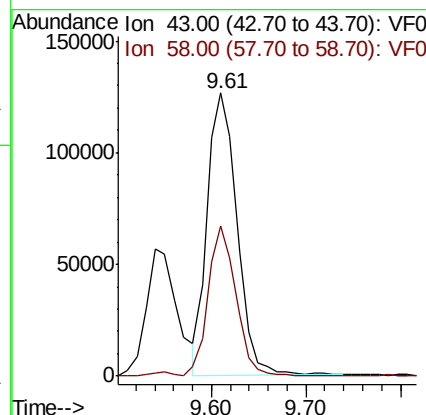
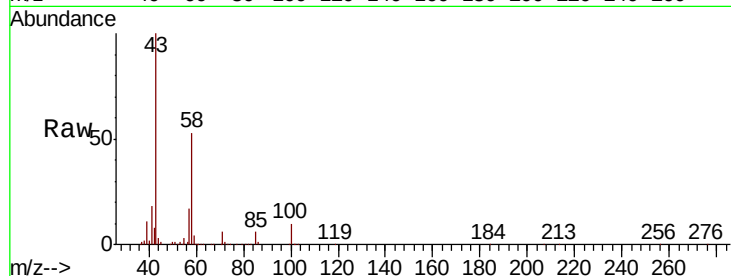
#59
2-Hexanone
Concen: 233.063 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	25.6	76.6

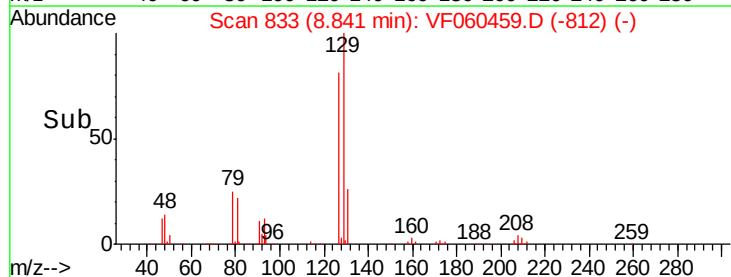
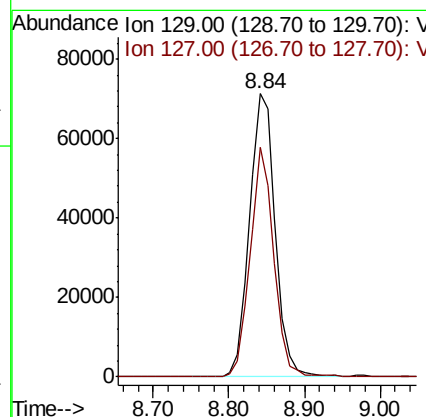
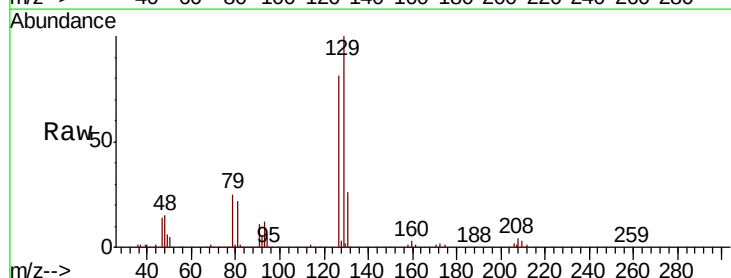
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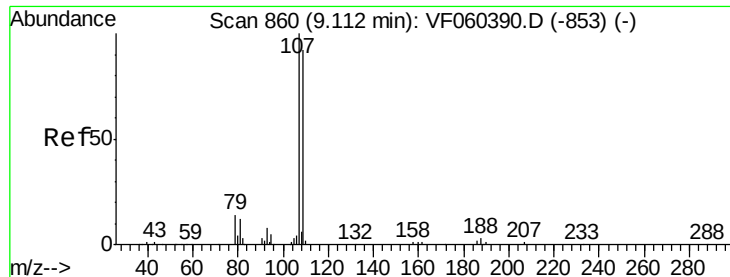
apatel
10/8/2018 9:31:23 AM



#60
Dibromochloromethane
Concen: 53.200 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.2	38.3	114.8





#61

1,2-Dibromoethane

Concen: 52.298 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 120302

Ion Ratio Lower Upper

107 100

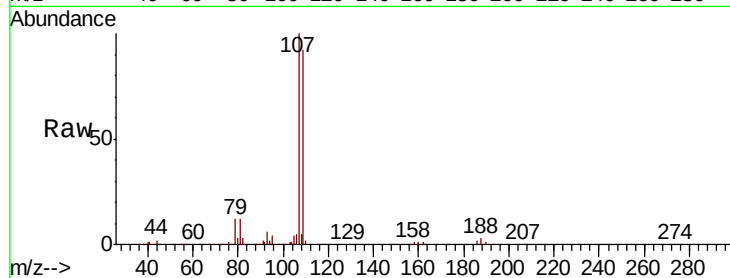
109 91.7 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

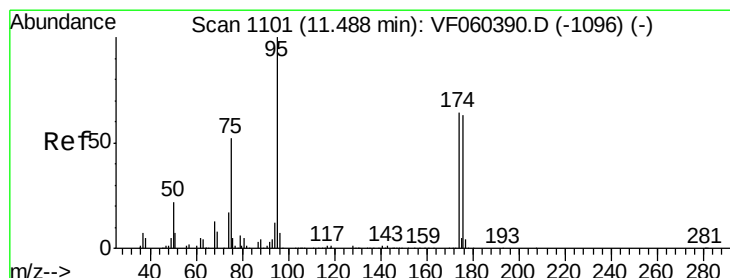
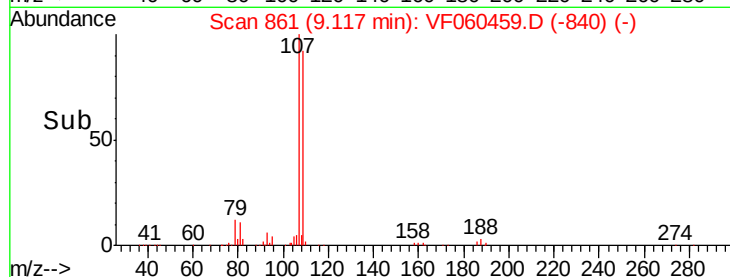
20000

10000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 48.356 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

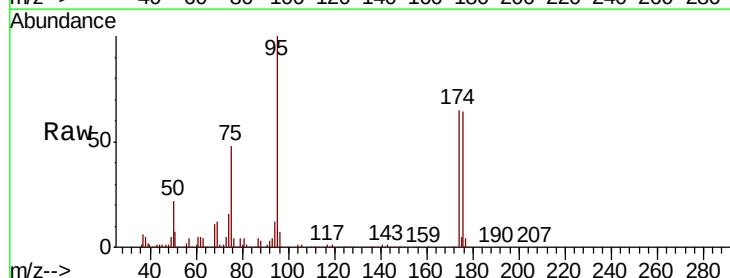
Tgt Ion: 95 Resp: 203794

Ion Ratio Lower Upper

95 100

174 64.8 0.0 129.0

176 63.8 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

150000

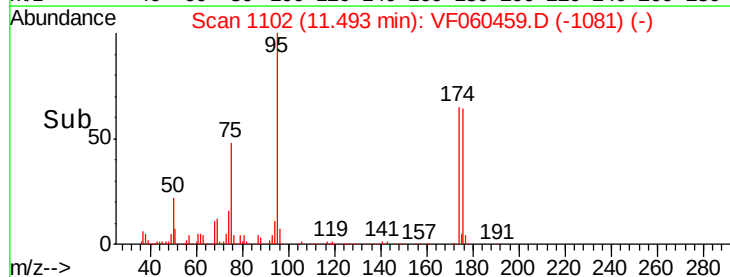
100000

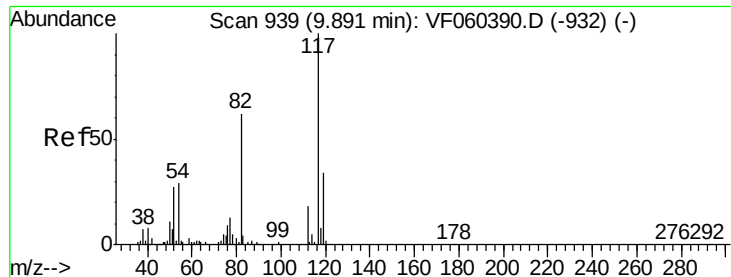
50000

0

11.40 11.50 11.60 11.70

Time-->





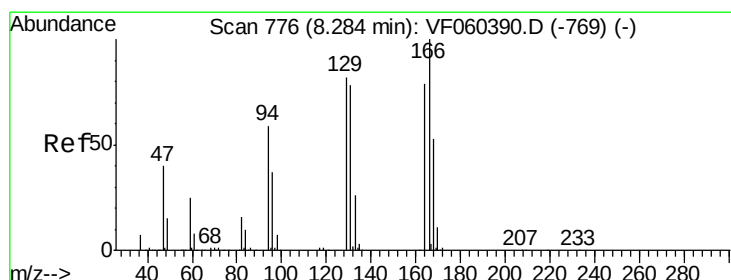
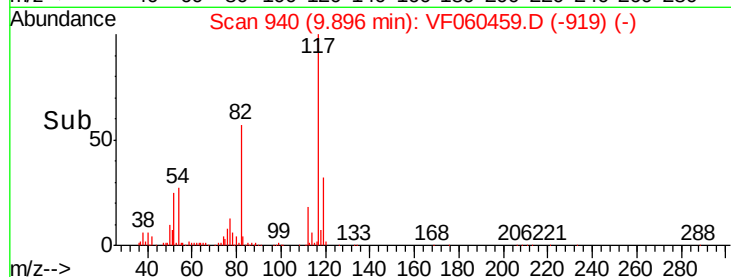
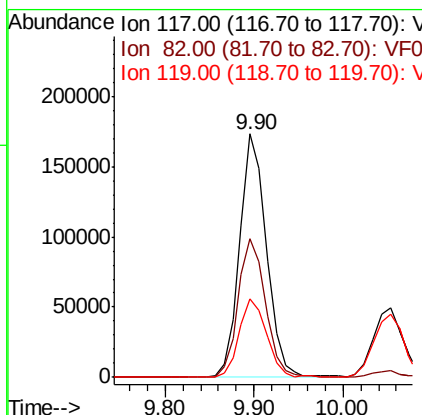
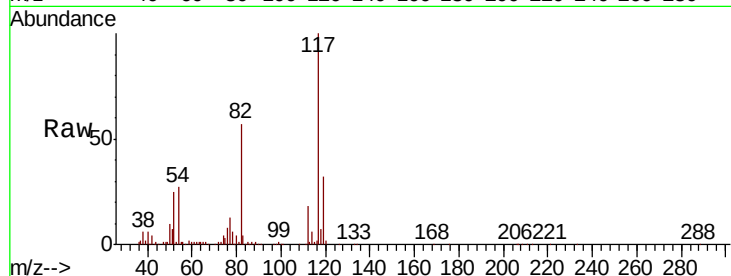
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	49.5	74.3
119	32.0	27.0	40.6

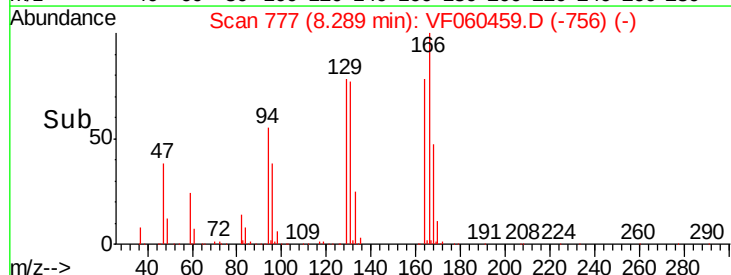
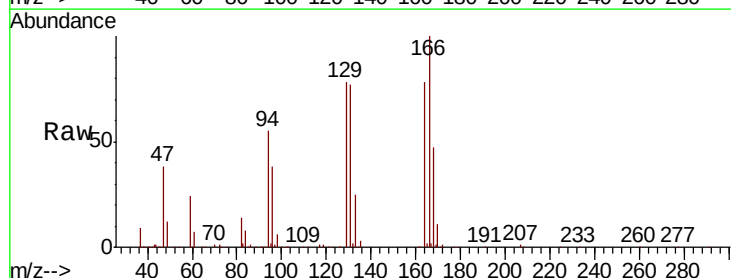
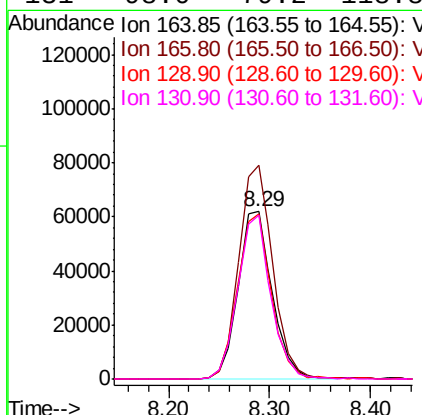
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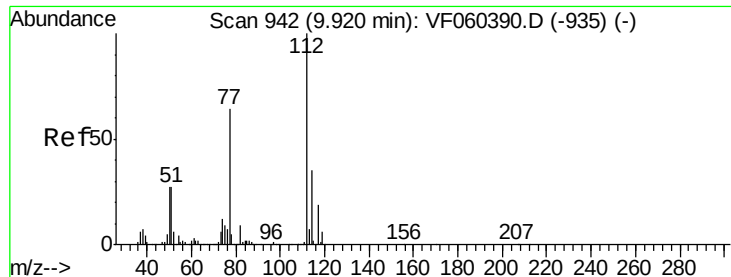
apatel
10/8/2018 9:31:23 AM



#64
Tetrachloroethene
Concen: 50.575 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.0	151.6
129	99.0	82.5	123.7
131	98.0	79.2	118.8





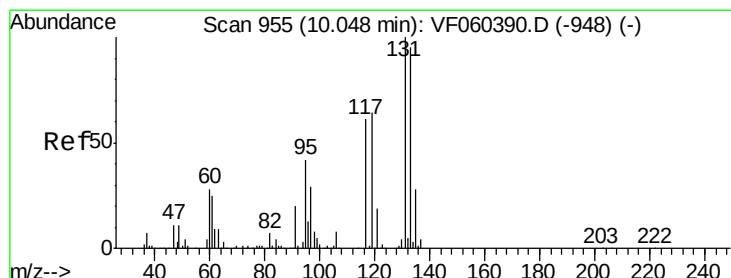
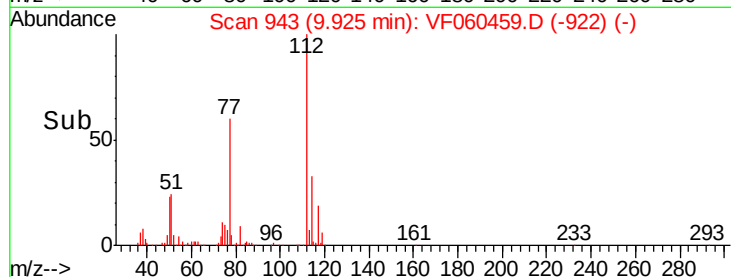
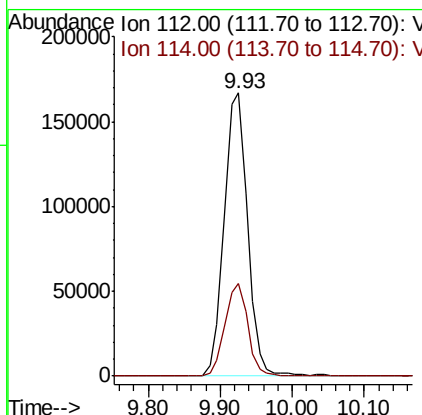
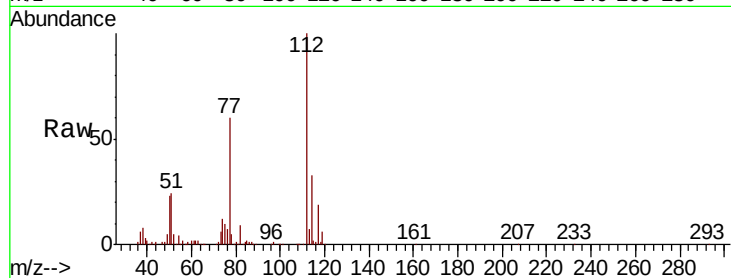
#65
Chlorobenzene
Concen: 50.595 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	27.7	41.5

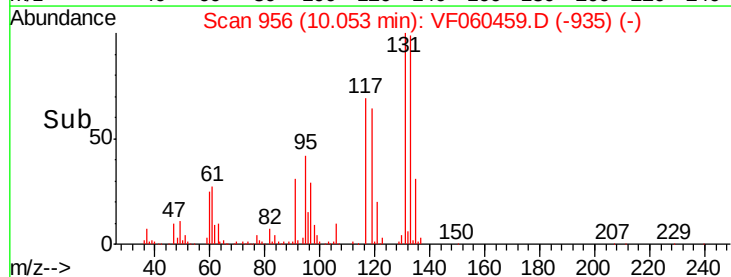
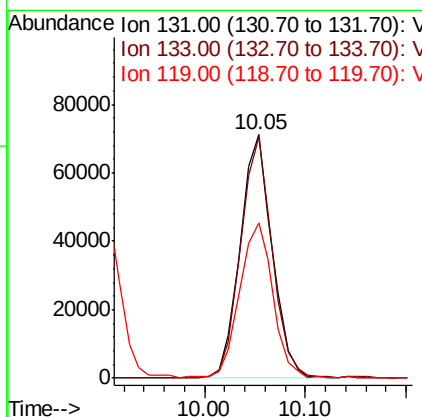
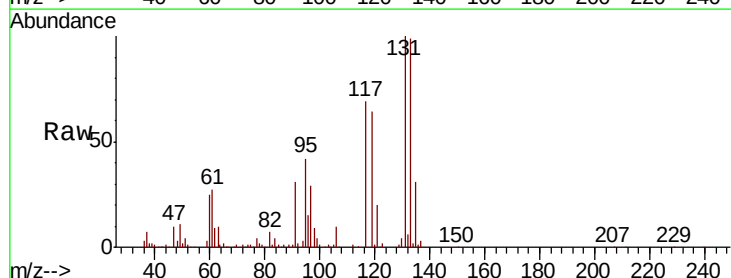
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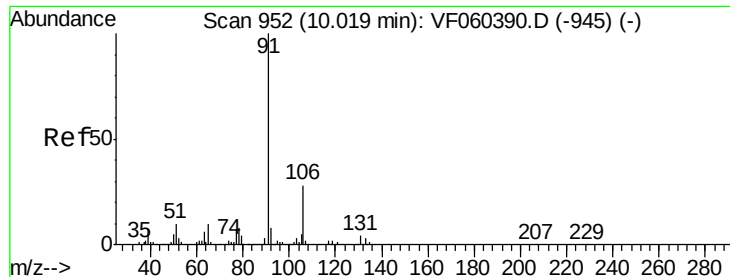
apatel
10/8/2018 9:31:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.368 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.0	47.3	141.8
119	63.5	32.3	96.9





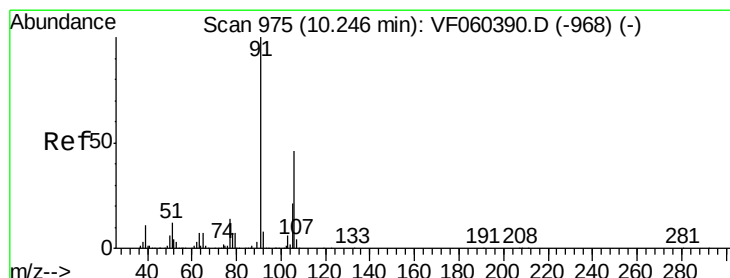
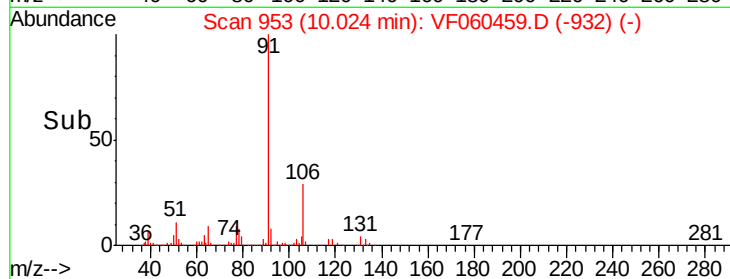
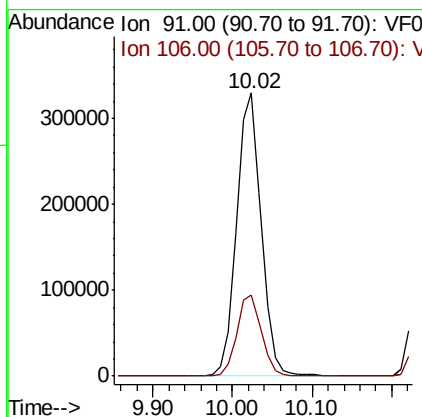
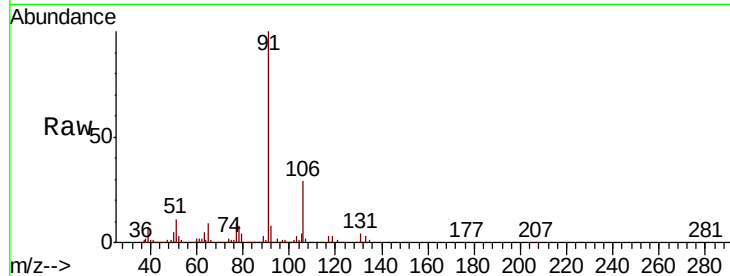
#67
Ethyl Benzene
Concen: 49.761 ug/l
RT: 10.02 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.9	22.5	33.7

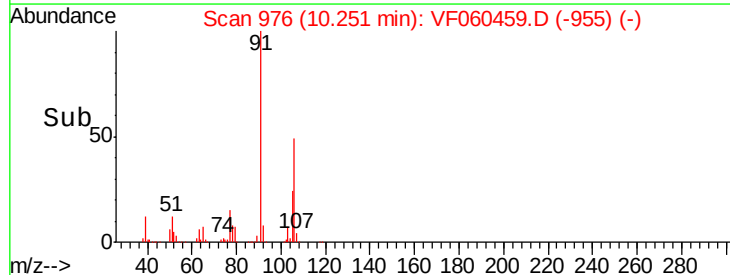
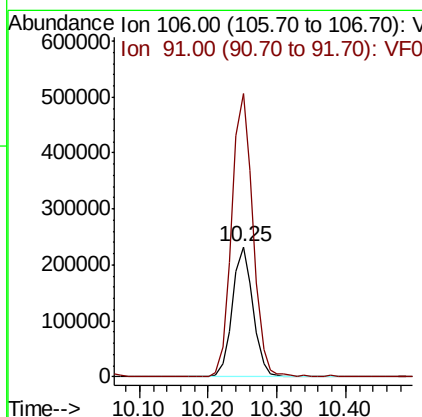
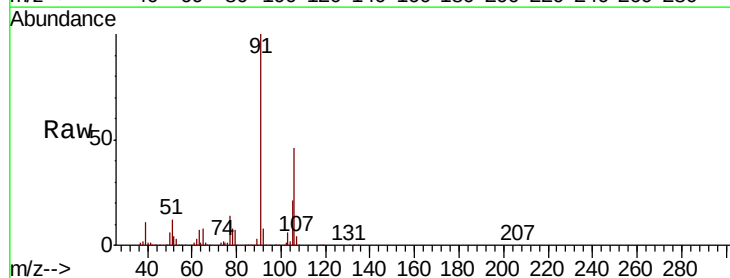
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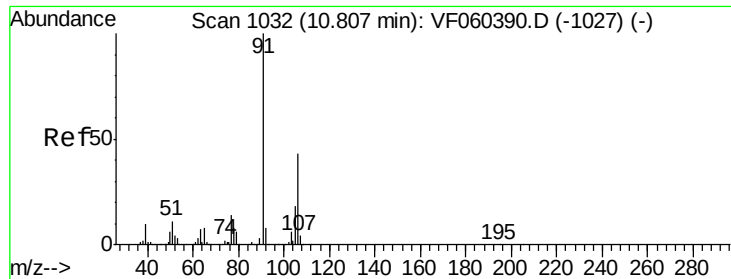
apatel
10/8/2018 9:31:23 AM



#68
m/p-Xylenes
Concen: 99.353 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	217.4	175.0	262.6





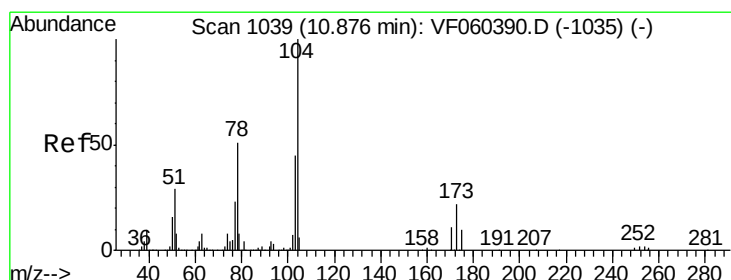
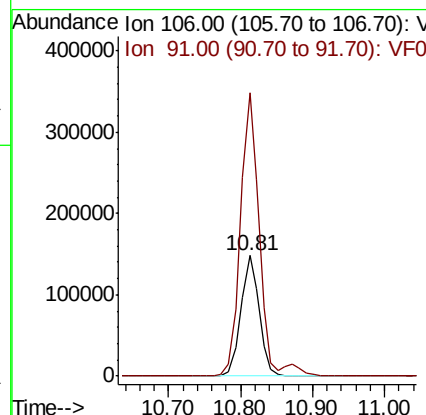
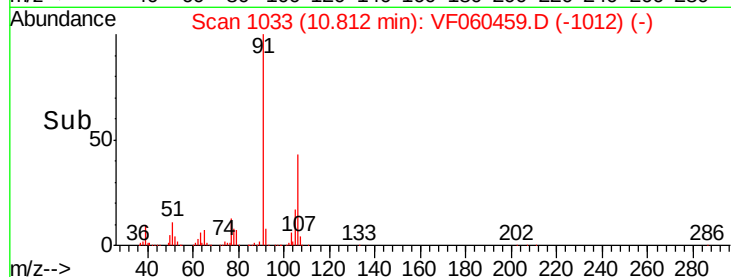
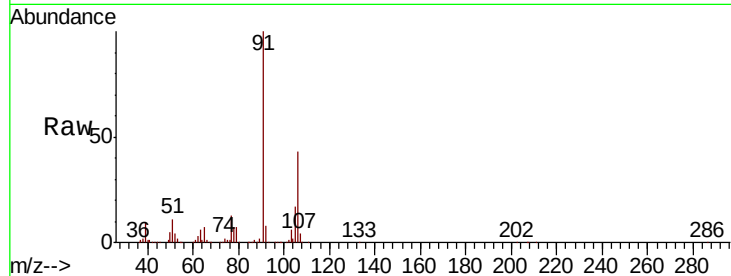
#69
o-Xylene
Concen: 49.865 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	234.9	115.1	345.2

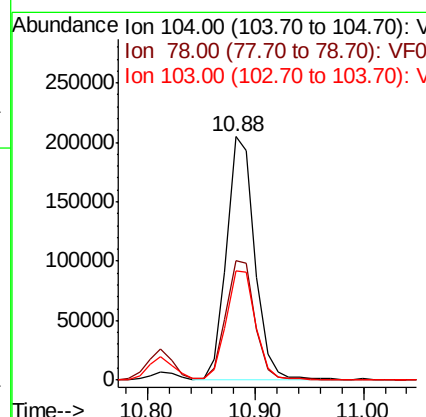
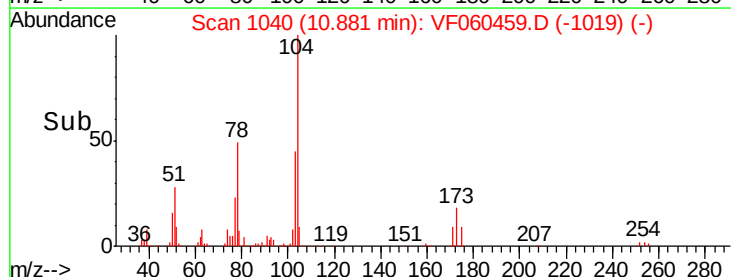
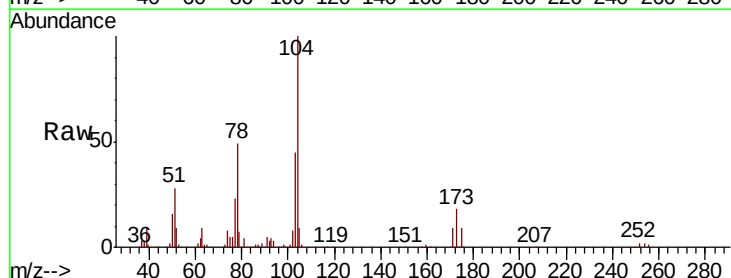
Manual Integrations
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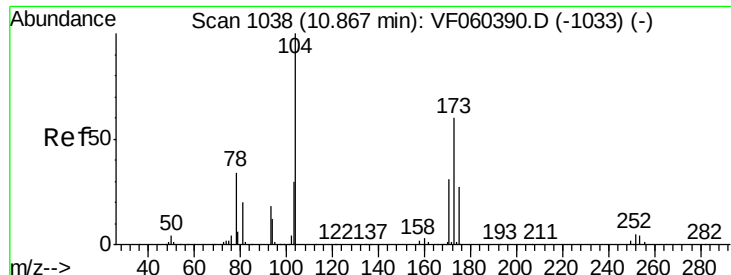
apatel
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#70
Styrene
Concen: 49.123 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	41.0	61.4
103	44.8	36.4	54.6





#71

Bromoform

Concen: 49.393 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 85518

Ion Ratio Lower Upper

173 100

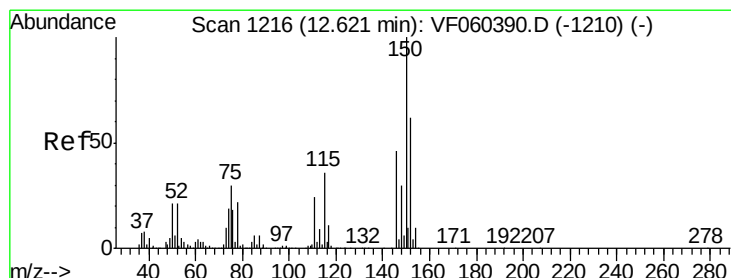
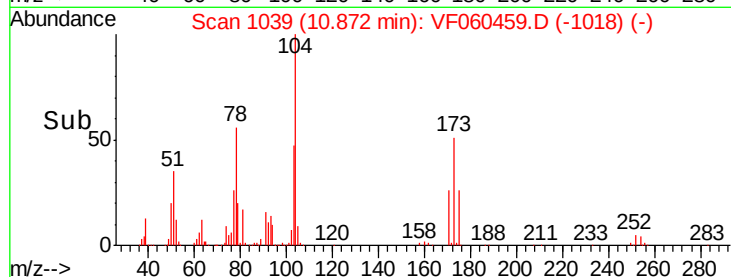
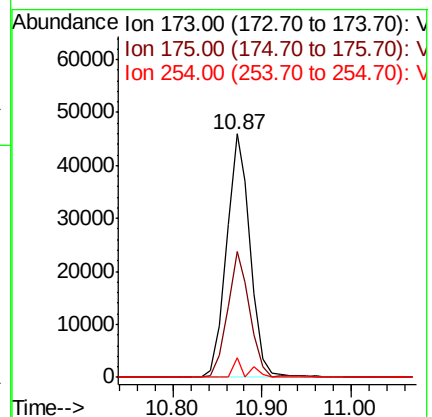
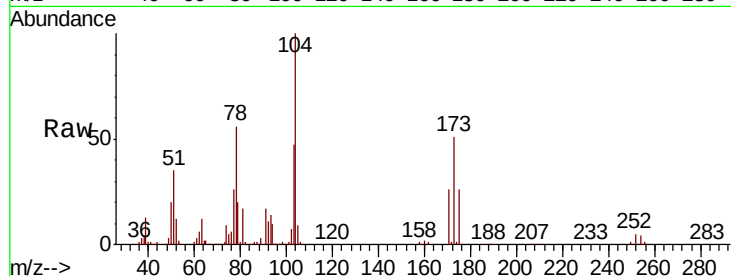
175 50.9 22.1 66.1

254 7.7 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

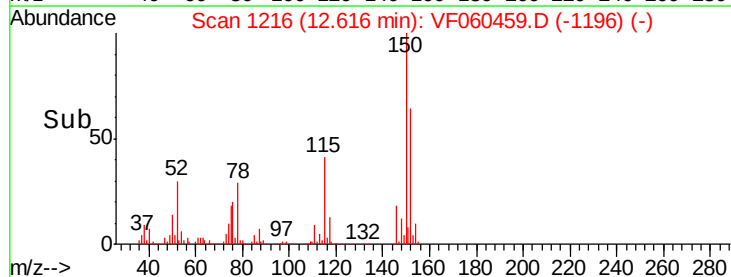
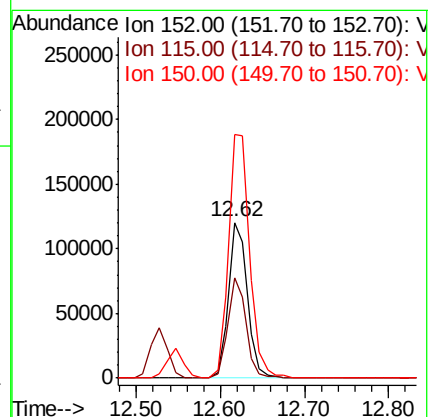
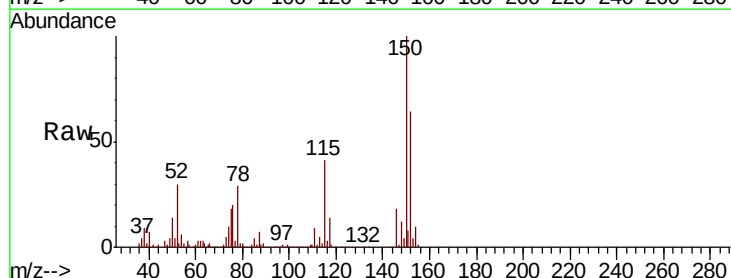
Tgt Ion:152 Resp: 188099

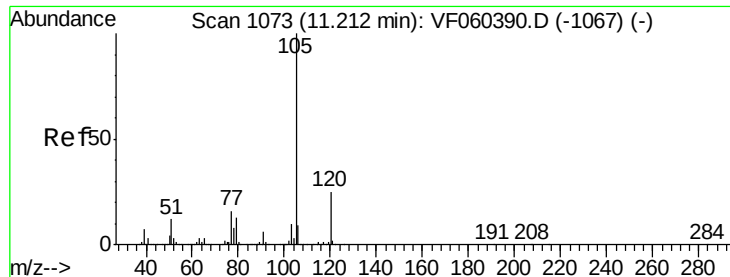
Ion Ratio Lower Upper

152 100

115 64.4 28.6 85.8

150 156.8 0.0 324.6





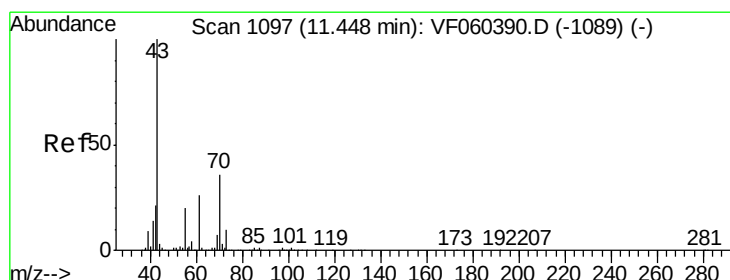
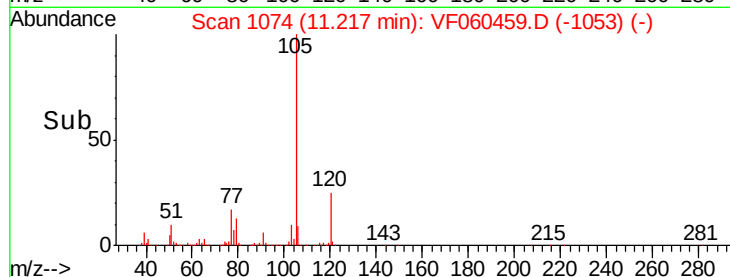
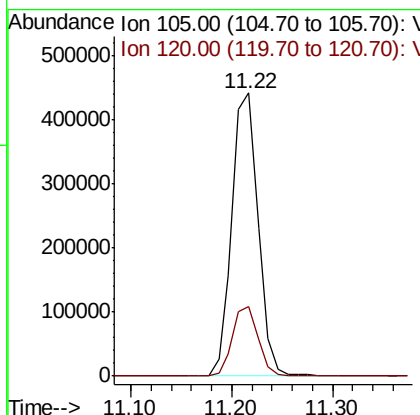
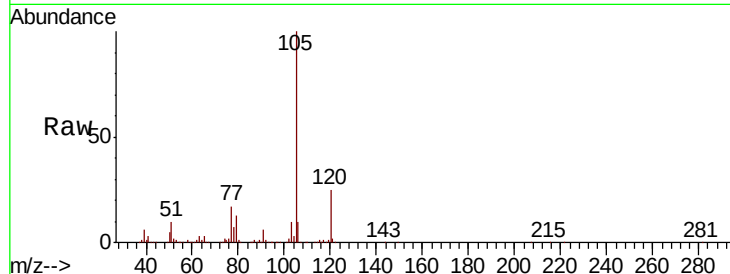
#73
Isopropylbenzene
Concen: 53.983 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.3	36.9

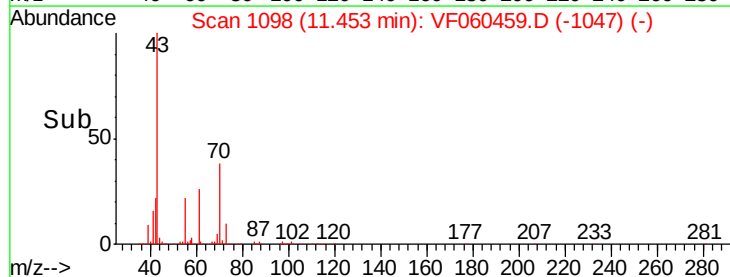
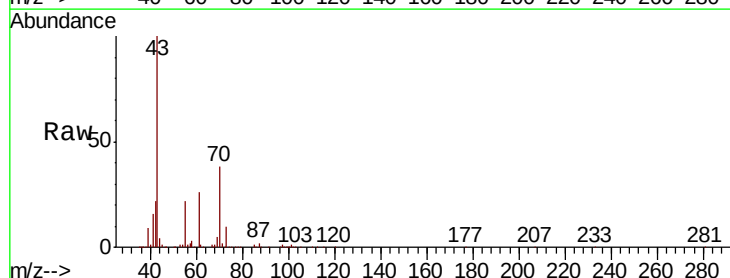
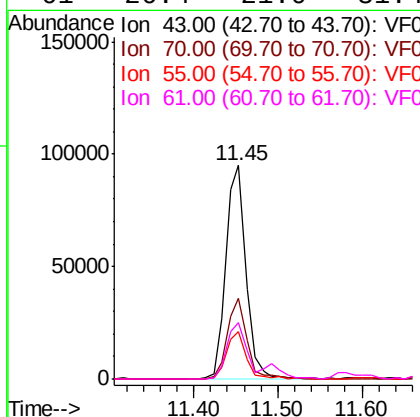
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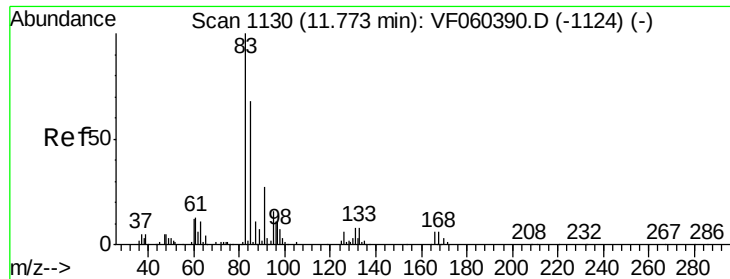
apatel
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#74
N-ethyl acetate
Concen: 46.562 ug/l
RT: 11.45 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.0	29.1	43.7
55	22.2	16.3	24.5
61	26.4	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.005 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

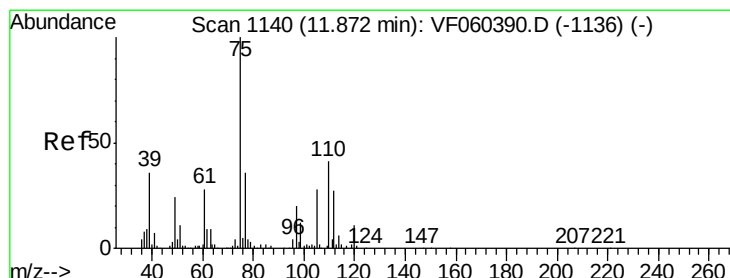
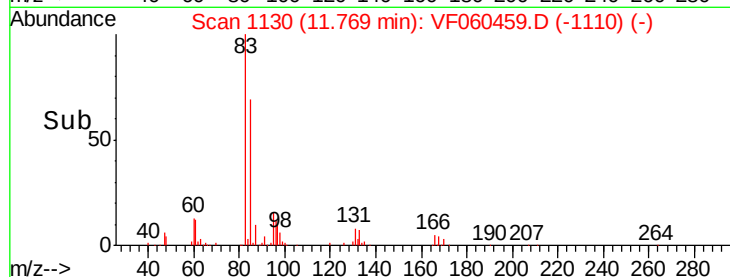
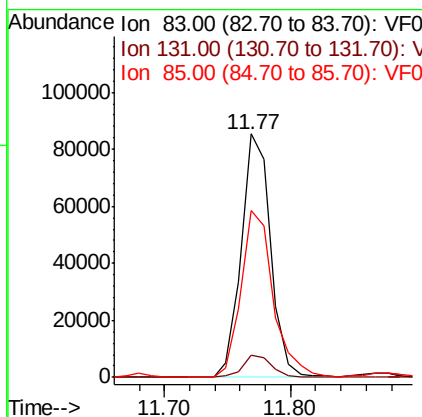
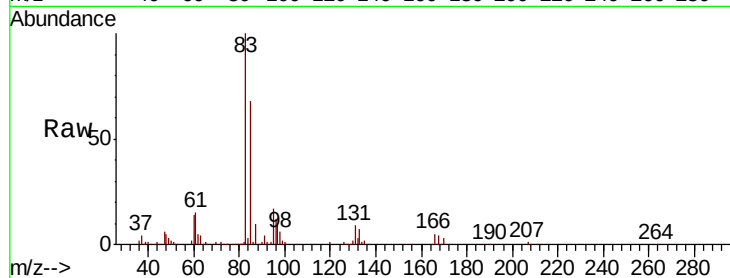
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	137722
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.0	12.0
85	68.5	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 53.159 ug/l

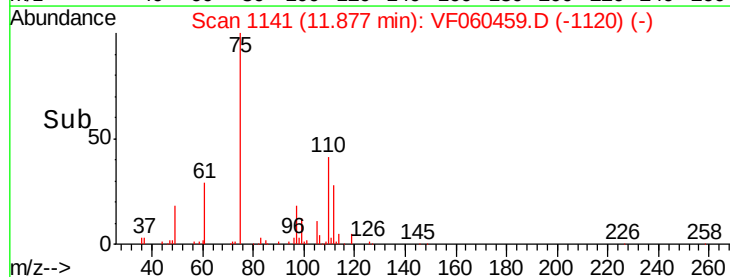
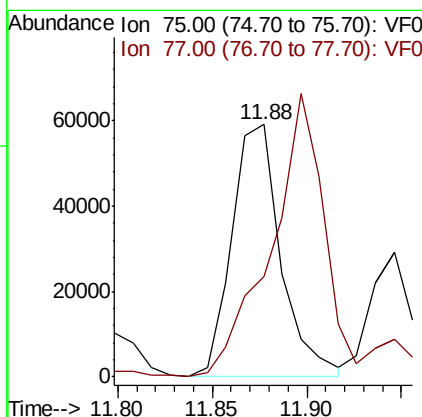
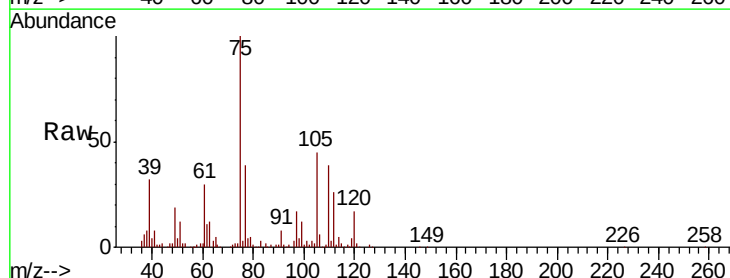
RT: 11.88 min Scan# 1141

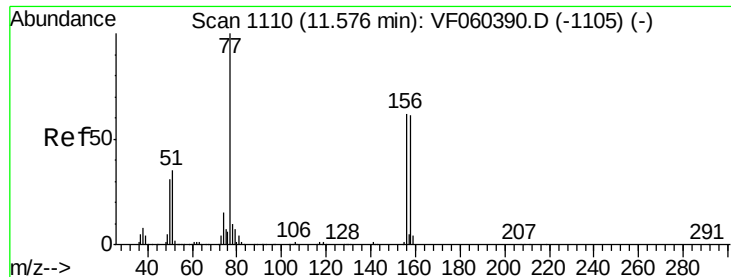
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion	75	Resp	105672
Ion Ratio	Lower	Upper	
75	100		
77	39.5	18.1	54.4





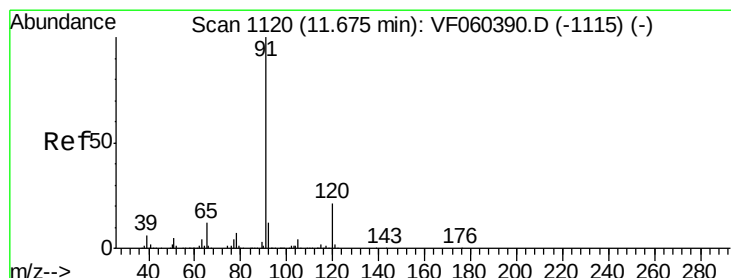
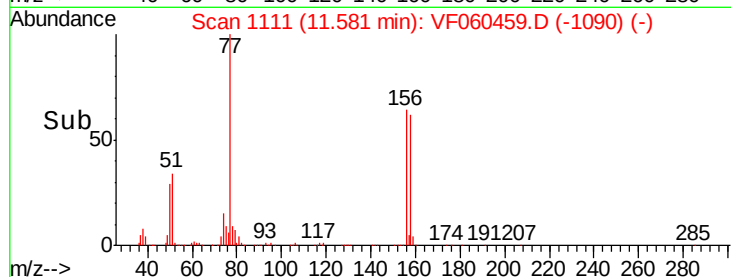
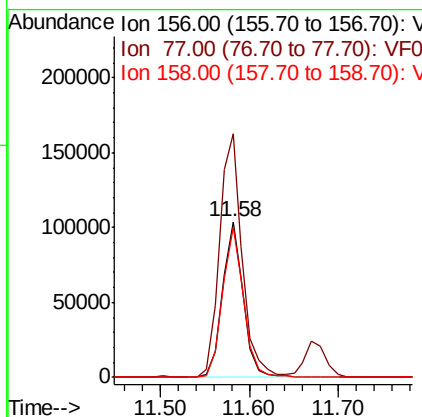
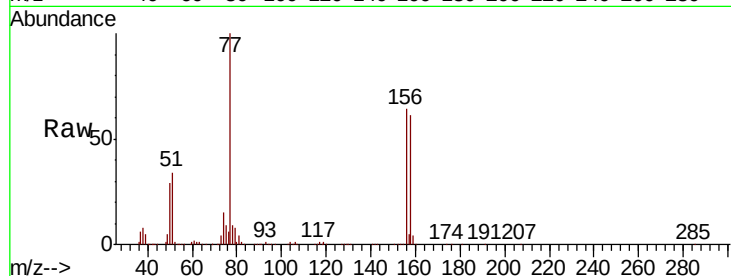
#77
Bromobenzene
Concen: 51.522 ug/l
RT: 11.58 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		170572		
77	156.3	81.3	243.9		
158	96.1	49.6	149.0		

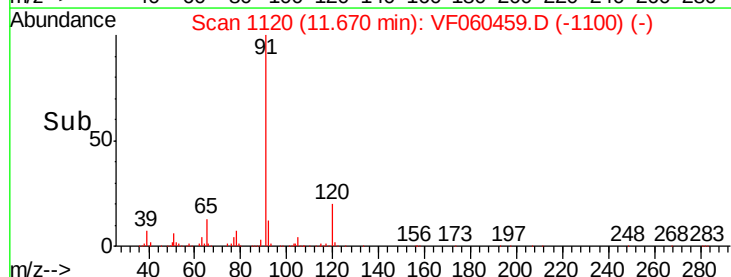
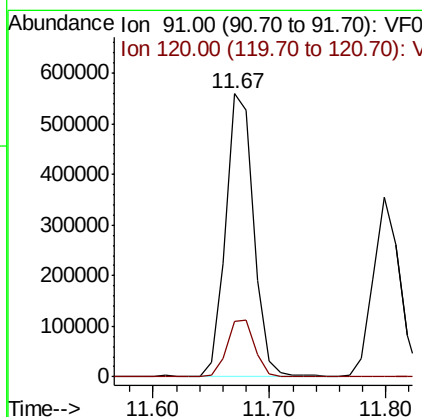
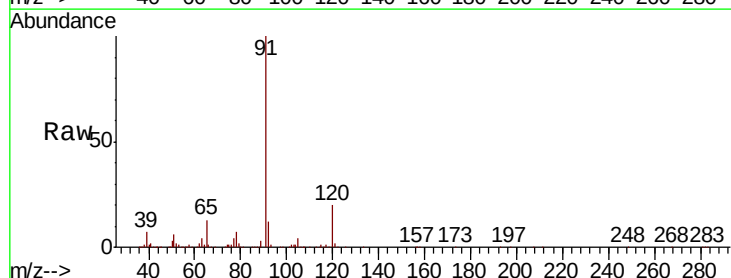
Manual Integrations
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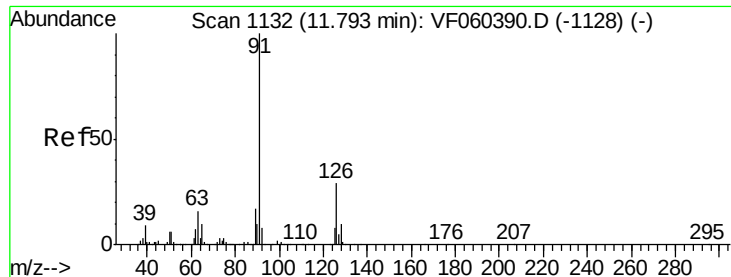
apatel
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#78
n-propylbenzene
Concen: 51.974 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		933171		
120	19.7	10.5	31.6		





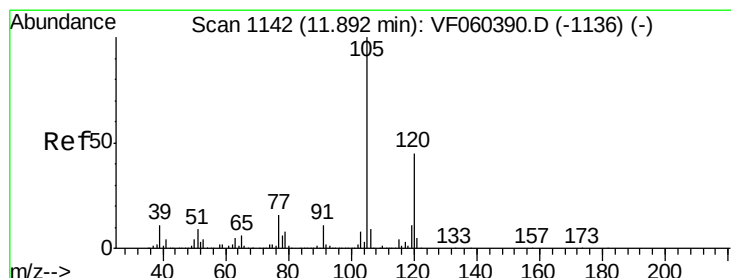
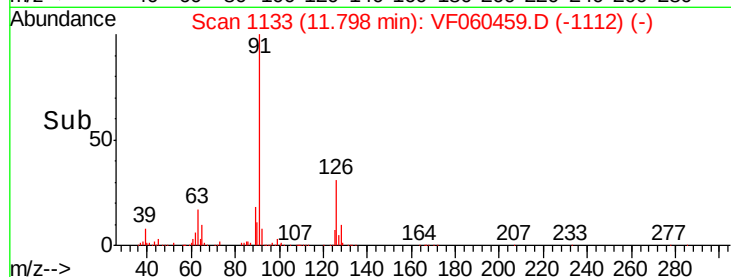
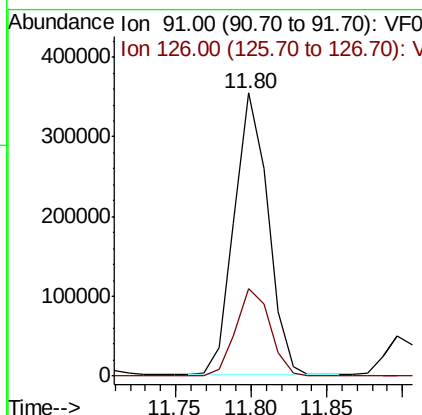
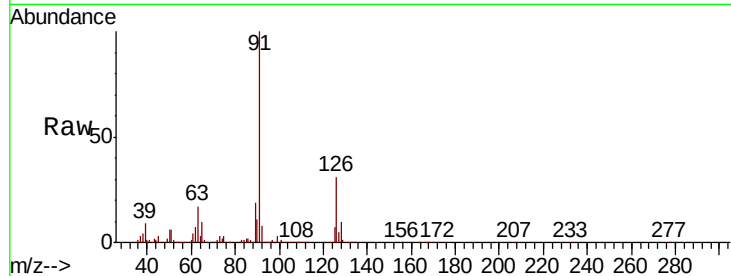
#79
 2-Chlorotoluene
 Concen: 52.343 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.1	14.4	43.4

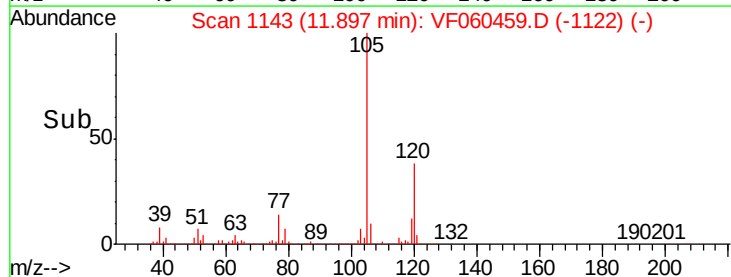
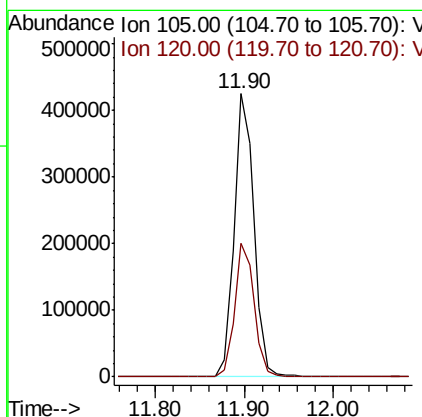
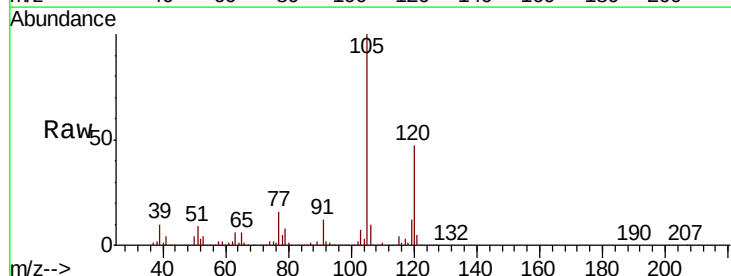
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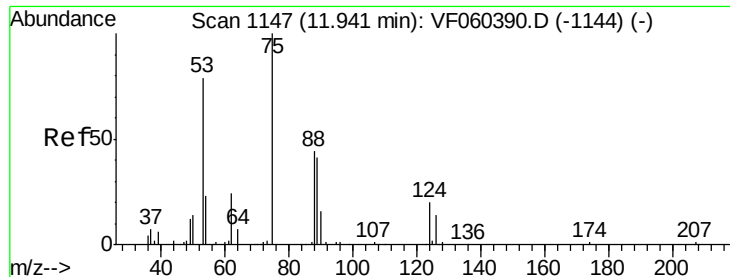
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.895 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.3	66.9





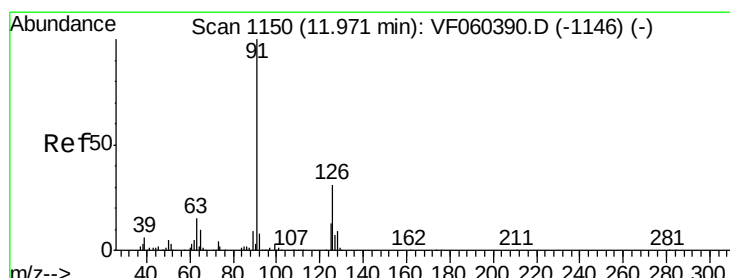
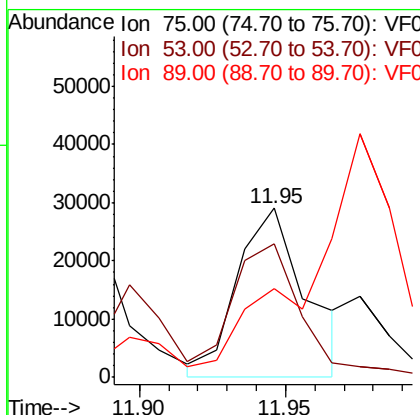
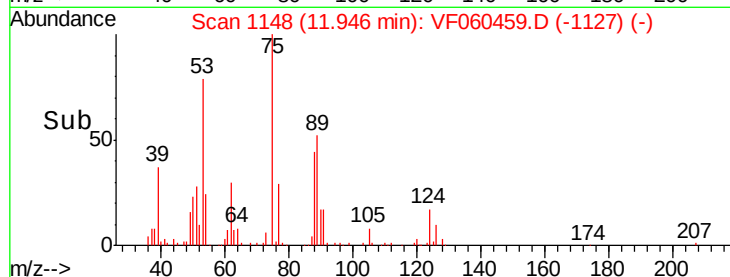
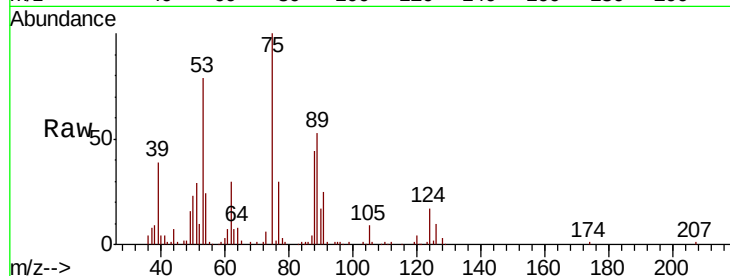
#81
trans-1,4-Dichloro-2-butene
Concen: 54.276 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 47827
Ion Ratio Lower Upper
75 100
53 78.7 67.8 101.8
89 52.6 36.7 55.1

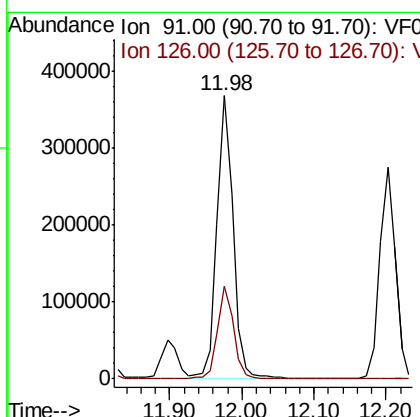
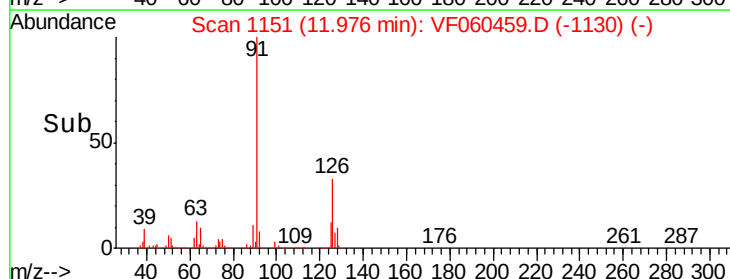
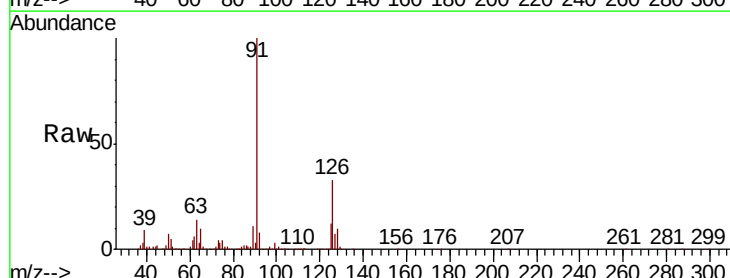
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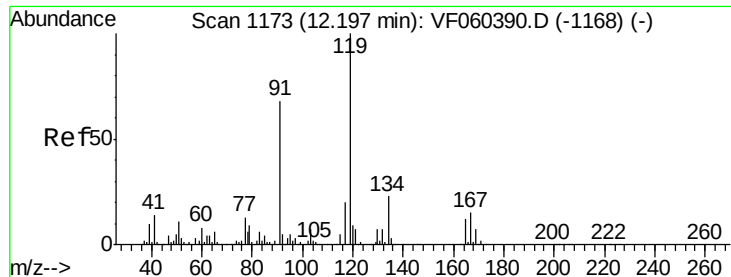
apatel
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#82
4-Chlorotoluene
Concen: 52.530 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion: 91 Resp: 564498
Ion Ratio Lower Upper
91 100
126 32.6 15.7 47.0





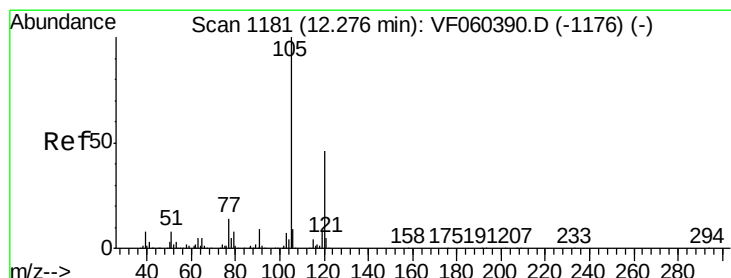
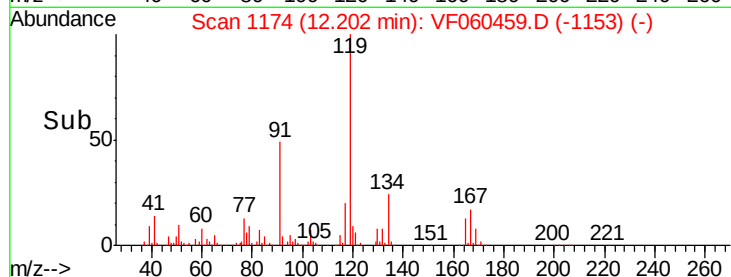
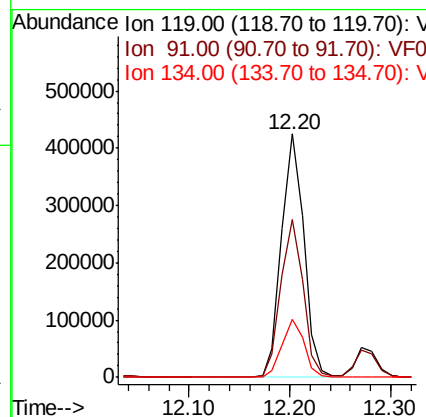
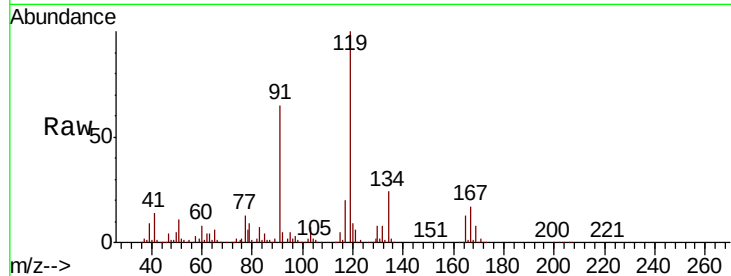
#83
 tert-Butylbenzene
 Concen: 53.054 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	34.0	102.0
134	24.0	11.7	35.0

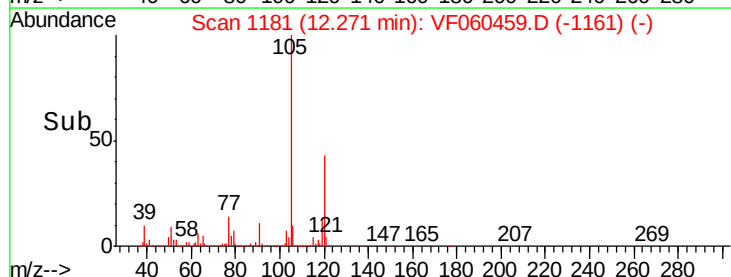
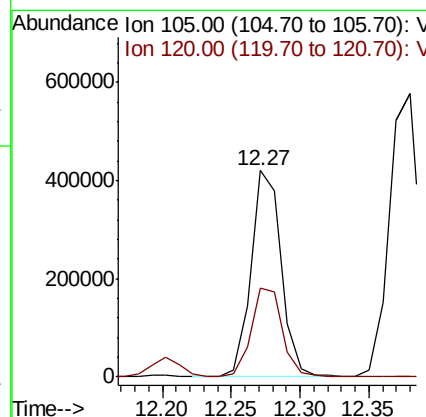
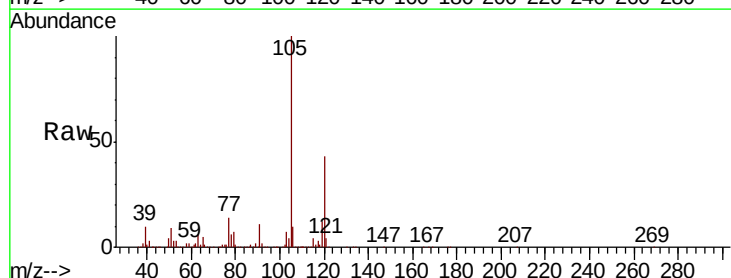
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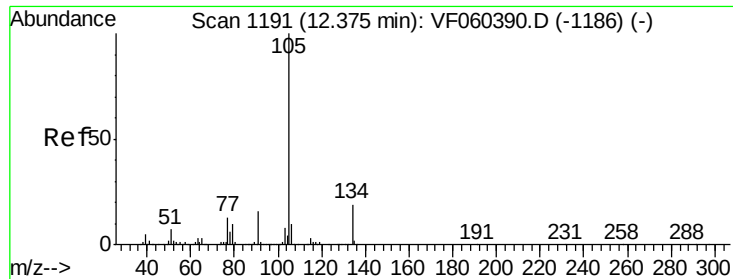
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.658 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.680 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 902465

Ion Ratio Lower Upper

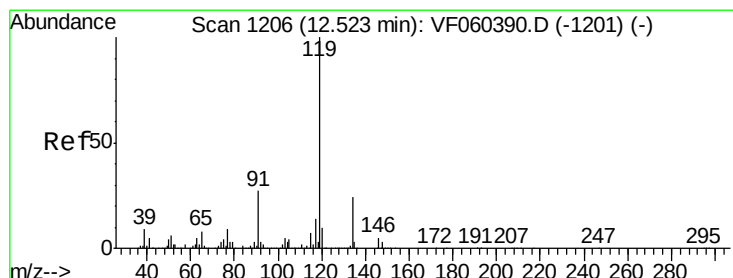
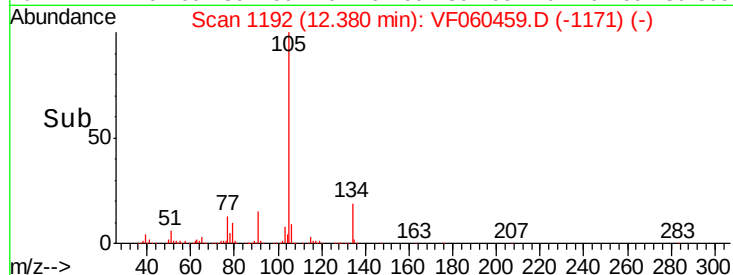
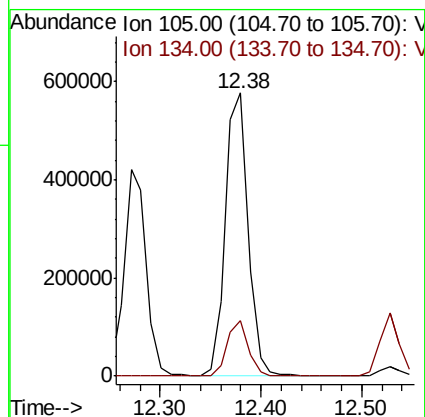
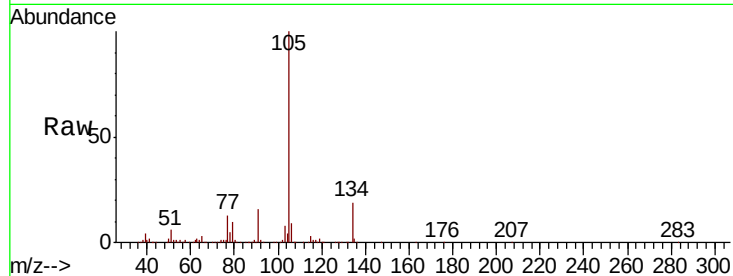
105 100

134 19.4 9.4 28.3

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#86

p-Isopropyltoluene

Concen: 50.702 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

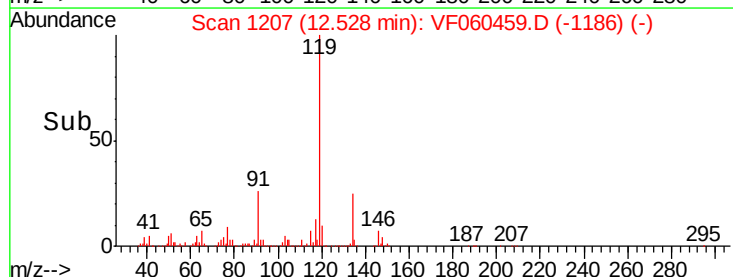
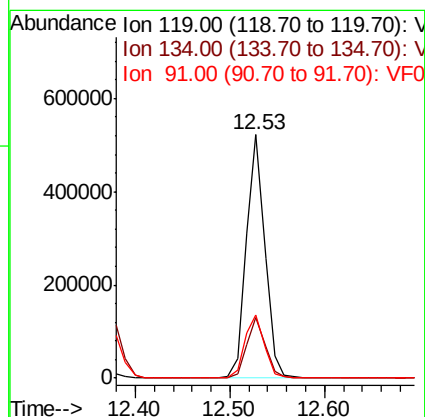
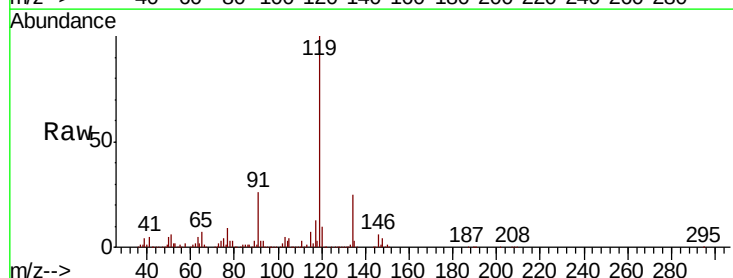
Tgt Ion:119 Resp: 709608

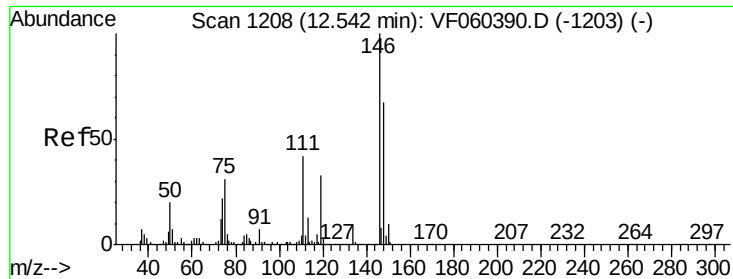
Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

91 25.8 13.5 40.4





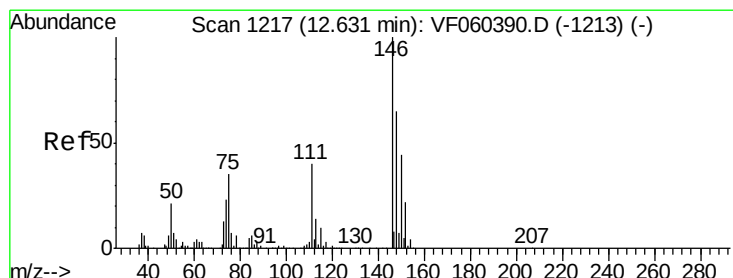
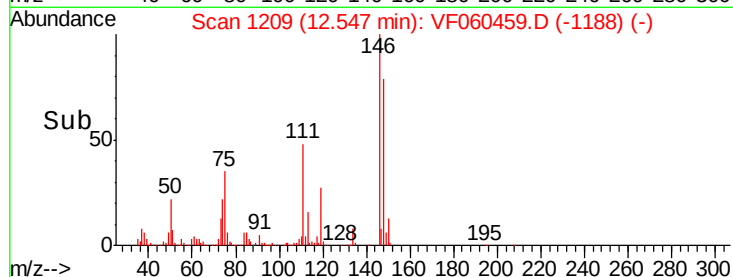
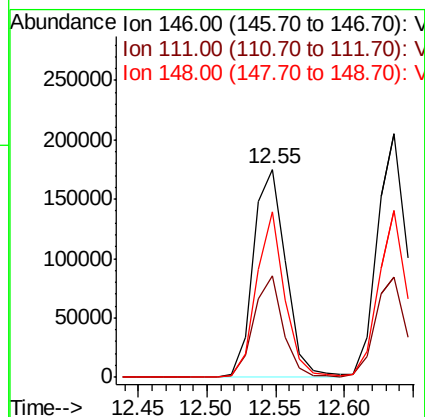
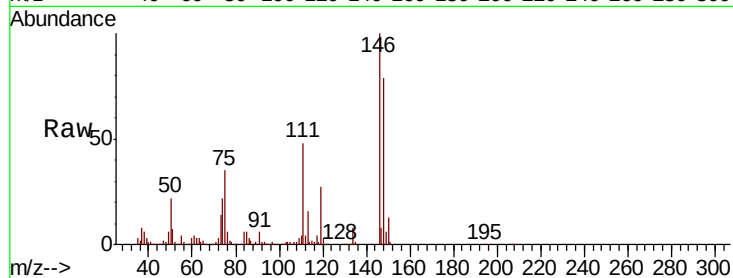
#87
 1,3-Dichlorobenzene
 Concen: 46.465 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	20.9	62.7
148	79.4	33.6	100.8

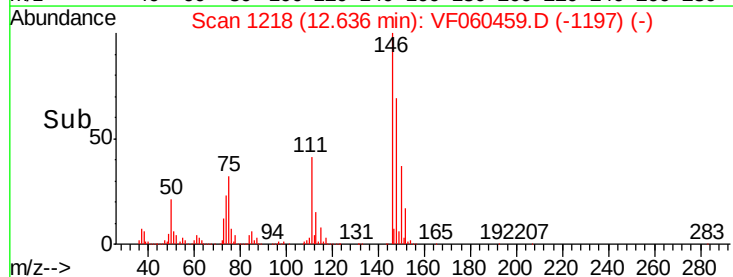
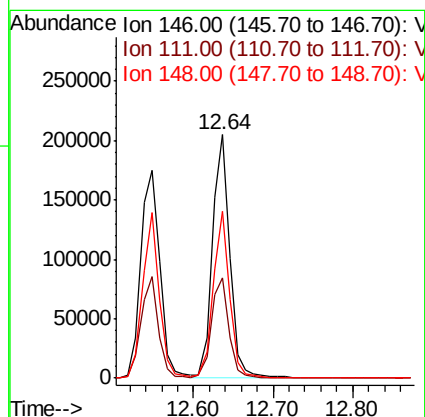
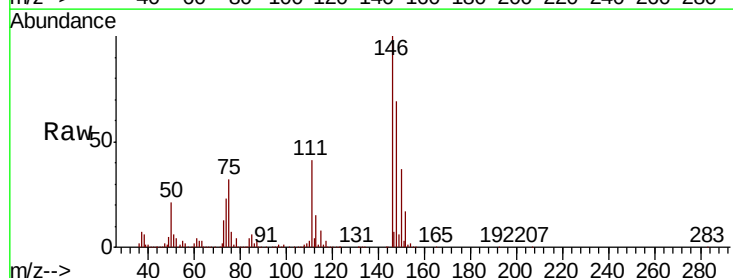
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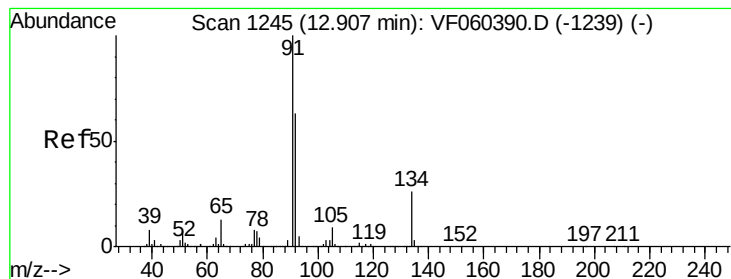
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 51.070 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.6
148	68.7	32.6	97.8





#89

n-Butylbenzene

Concen: 52.731 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

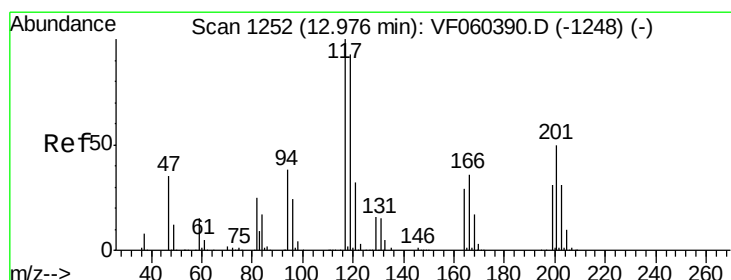
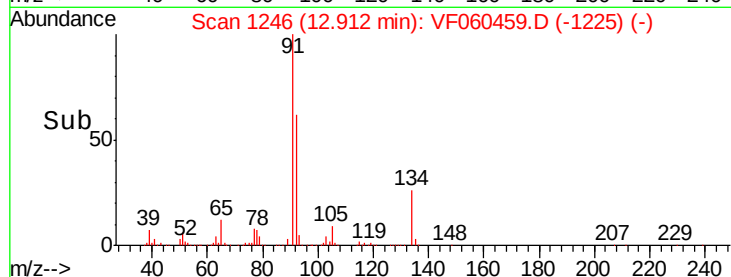
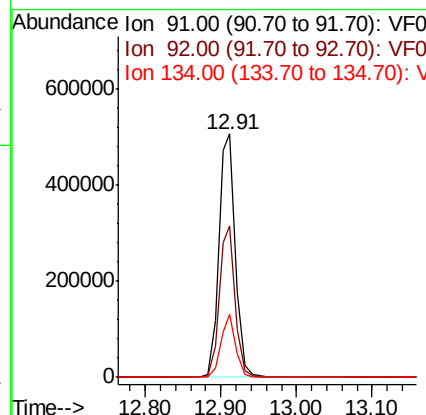
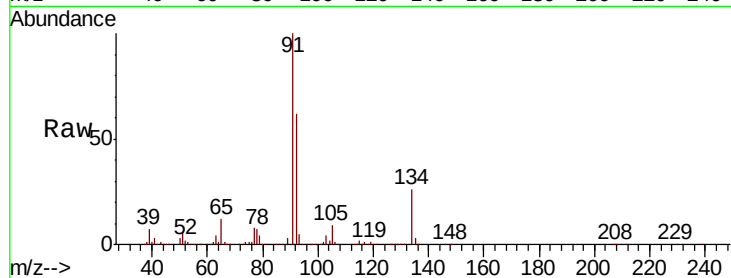
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	780936
Ion Ratio	Lower	Upper	
91	100		
92	62.1	31.3	93.9
134	25.9	13.0	38.9

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#90

Hexachloroethane

Concen: 51.836 ug/l

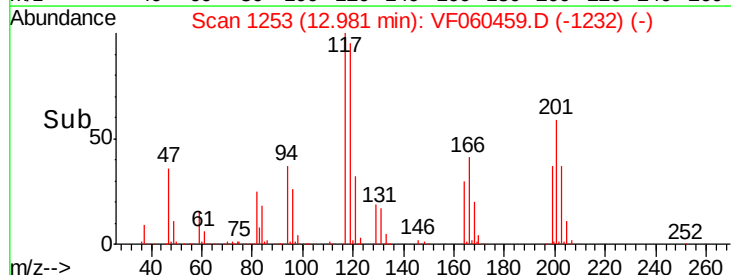
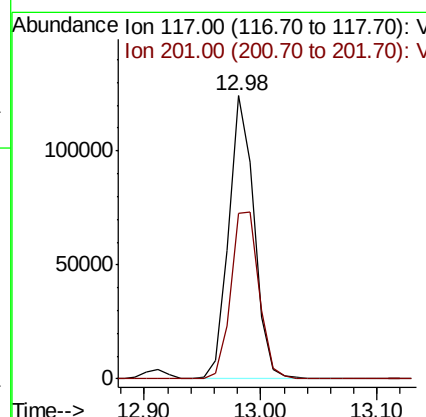
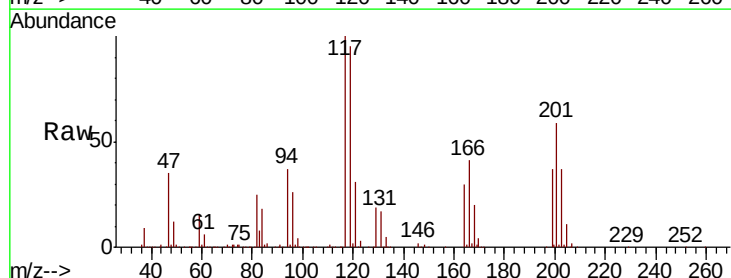
RT: 12.98 min Scan# 1253

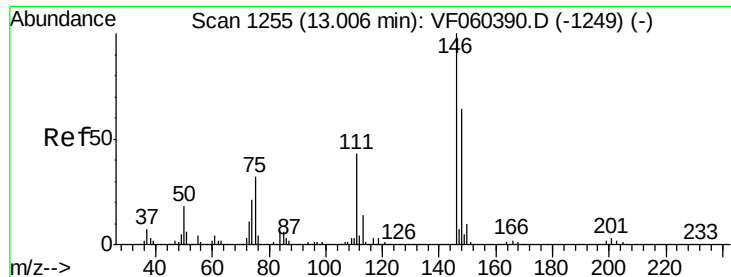
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion:	117	Resp:	187507
Ion Ratio	Lower	Upper	
117	100		
201	58.7	25.5	76.5





#91

1,2-Dichlorobenzene

Concen: 50.514 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Instrument :

MSVOA_F

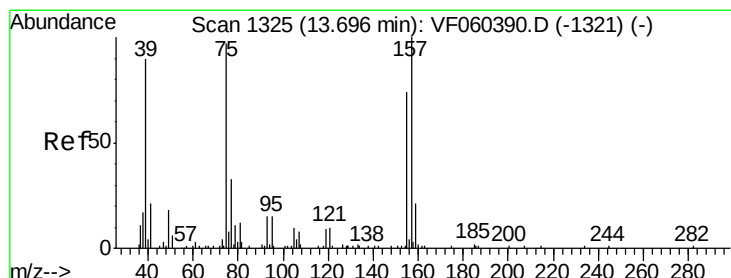
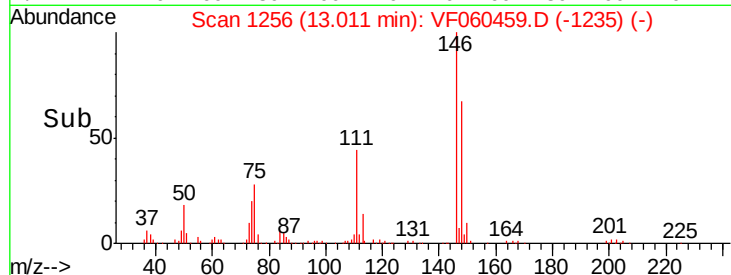
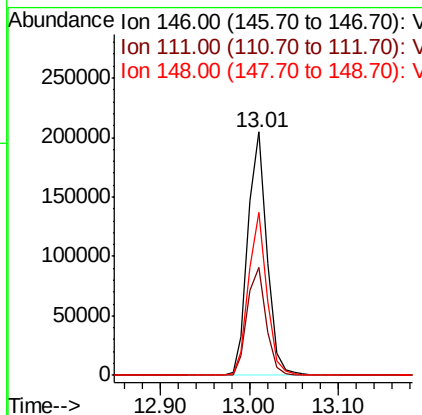
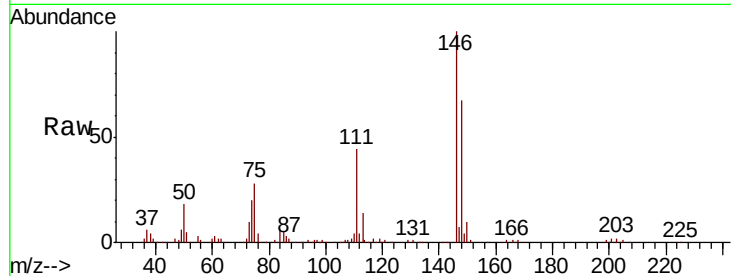
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	301524
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.3	64.0
148	67.0	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.822 ug/l

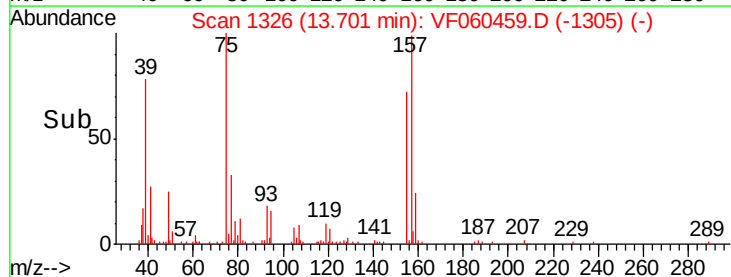
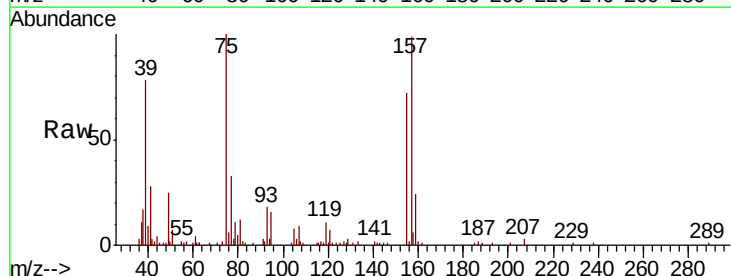
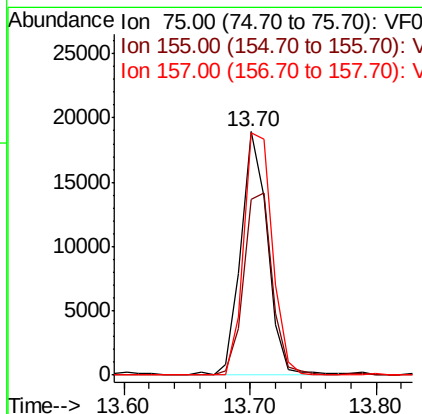
RT: 13.70 min Scan# 1326

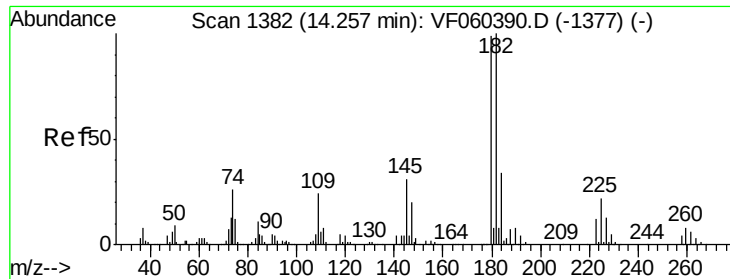
Delta R.T. 0.01 min

Lab File: VF060459.D

Acq: 5 Oct 2018 16:05

Tgt Ion:	75	Resp:	27650
Ion Ratio	Lower	Upper	
75	100		
155	72.3	37.9	113.6
157	99.3	51.3	154.0





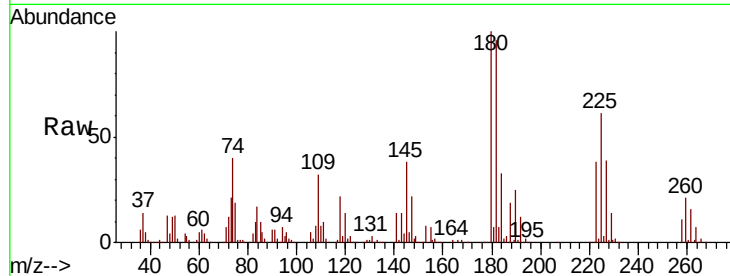
#93
 1,2,4-Trichlorobenzene
 Concen: 51.171 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228302		
182	96.4	50.3	150.9	
145	38.4	15.5	46.5	

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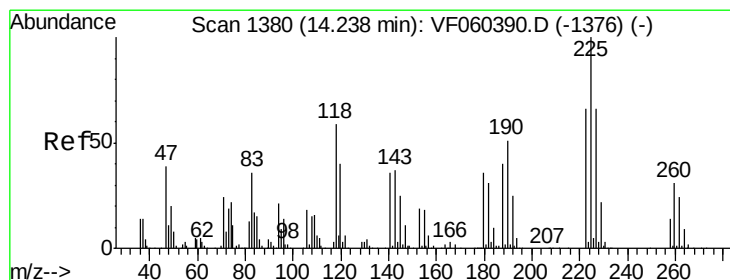
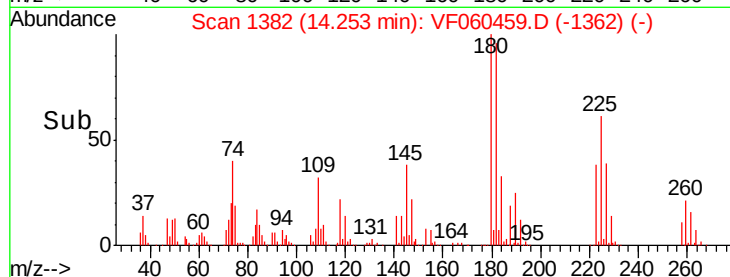
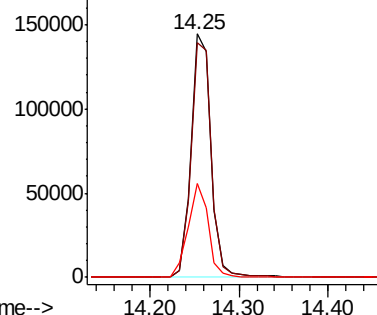


Abundance

Ion 180.00 (179.70 to 180.70): V

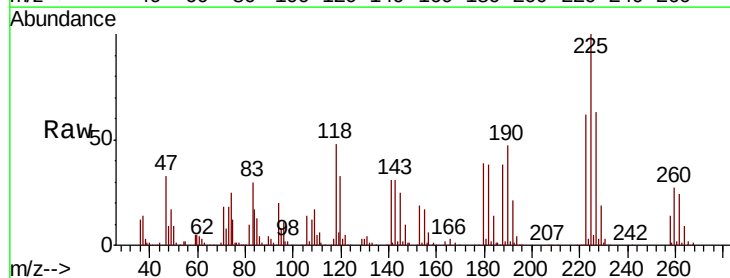
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 53.210 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060459.D
 Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165687		
223	62.2	32.8	98.4	
227	63.0	33.0	99.0	

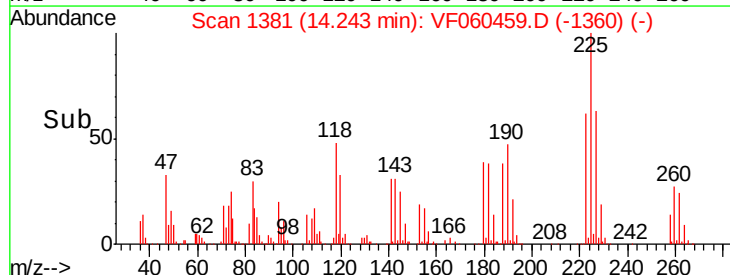
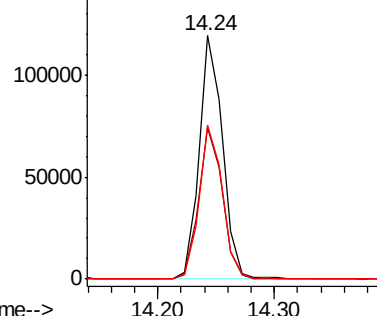


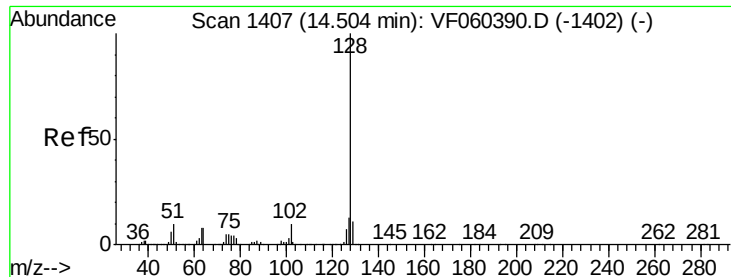
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





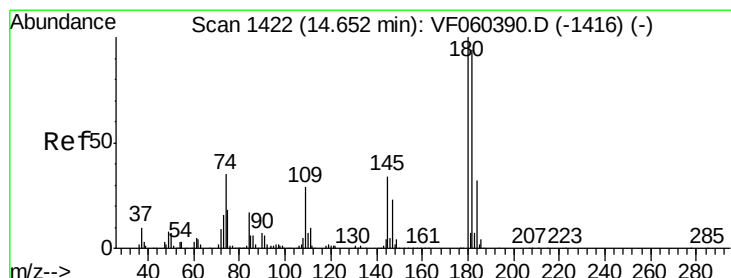
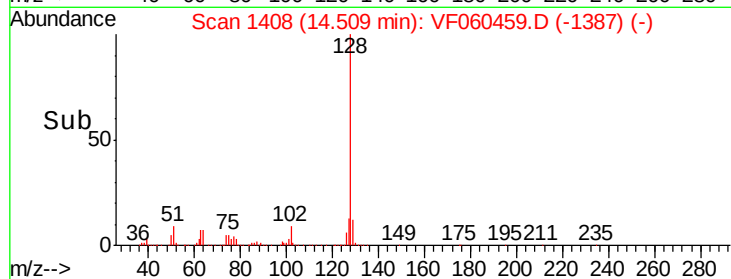
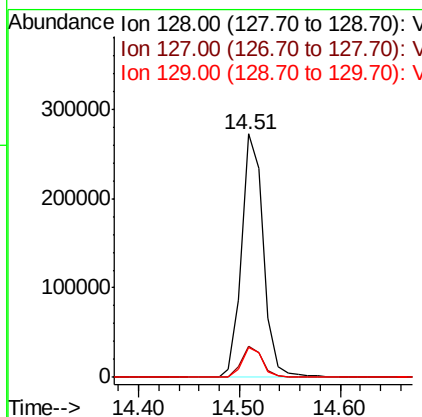
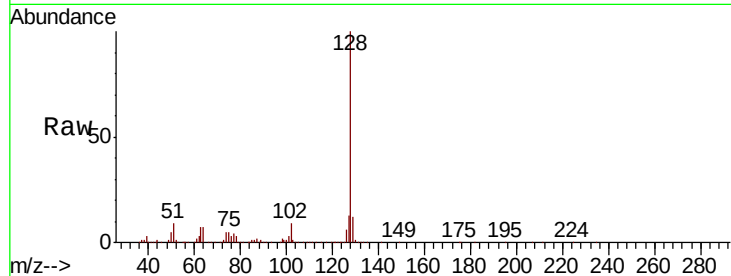
#95
Naphthalene
Concen: 51.340 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	409540		
127	12.7	10.0	15.0	
129	12.1	8.7	13.1	

Manual Integrations
APPROVED

apatel
10/8/2018 9:31:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.603 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060459.D
Acq: 5 Oct 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	219995		
182	95.3	46.8	140.3	
145	34.0	16.9	50.6	

