

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060389.D
 Acq On : 1 Oct 2018 18:14
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 10/2/2018 12:29:25 PM

Quant Time: Oct 02 00:23:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	248711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	395891	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	362440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	207636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	74831	21.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.90%	
35) Dibromofluoromethane	4.27	113	74293	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	
50) Toluene-d8	7.69	98	182355	19.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.48%	
62) 4-Bromofluorobenzene	11.49	95	83018	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	144346	30.301	ug/l	94
3) Chloromethane	1.13	50	70982	20.512	ug/l	89
4) Vinyl Chloride	1.17	62	74613	21.056	ug/l	98
5) Bromomethane	1.37	94	59540	24.226	ug/l	83
6) Chloroethane	1.44	64	37960	22.357	ug/l	94
7) Trichlorofluoromethane	1.54	101	179282	26.056	ug/l	95
8) Diethyl Ether	1.69	74	22790	20.936	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80645	22.665	ug/l	96
10) Methyl Iodide	1.97	142	127515m	22.444	ug/l	
11) Tert butyl alcohol	2.67	59	19908	89.173	ug/l #	76
12) 1,1-Dichloroethene	1.85	96	66290	22.985	ug/l	94
13) Acrolein	2.08	56	19665	153.893	ug/l	95
14) Allyl chloride	2.18	41	88391	17.733	ug/l	91
15) Acrylonitrile	3.05	53	42441	90.724	ug/l	93
16) Acetone	2.33	43	96366	102.930	ug/l	95
17) Carbon Disulfide	1.89	76	196807	22.190	ug/l #	92
18) Methyl Acetate	2.44	43	29988	18.688	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	154353	21.319	ug/l	97
20) Methylene Chloride	2.27	84	65198m	19.311	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	60642	20.253	ug/l	87
22) Diisopropyl ether	2.91	45	183532	19.680	ug/l #	96
23) Vinyl Acetate	3.31	43	347774	94.481	ug/l	100
24) 1,1-Dichloroethane	2.99	63	129142	20.995	ug/l	99
25) 2-Butanone	4.48	43	102517	84.164	ug/l	100
26) 2,2-Dichloropropane	3.73	77	69636	20.070	ug/l	92
27) cis-1,2-Dichloroethene	3.61	96	72993	19.149	ug/l	99
28) Bromochloromethane	3.86	49	45603	19.047	ug/l	100
29) Tetrahydrofuran	4.23	42	37154	81.151	ug/l	99
30) Chloroform	4.01	83	150670	20.418	ug/l	94
31) Cyclohexane	3.84	56	84596m	16.662	ug/l	
32) 1,1,1-Trichloroethane	4.25	97	117128	19.809	ug/l	96
36) 1,1-Dichloropropene	4.43	75	107885	21.669	ug/l	95
37) Ethyl Acetate	4.26	43	36877	17.926	ug/l #	95
38) Carbon Tetrachloride	4.14	117	120960	21.583	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	107278	20.506	ug/l	90
40) Benzene	4.78	78	210758	19.247	ug/l	99
41) Methacrylonitrile	4.90	41	18842	17.074	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	99112	23.379	ug/l	97
43) Isopropyl Acetate	7.09	43	40442	16.313	ug/l #	89
44) Trichloroethene	5.65	130	68697	20.942	ug/l	92
45) 1,2-Dichloropropane	6.38	63	52597	18.437	ug/l	92
46) Dibromomethane	6.23	93	43372	20.812	ug/l	94
47) Bromodichloromethane	6.52	83	111709	22.198	ug/l	93
48) Methyl methacrylate	6.85	41	32396	18.372	ug/l	93
49) 1,4-Dioxane	6.85	88	5734	367.444	ug/l #	69
51) 4-Methyl-2-Pentanone	8.38	43	155167	83.375	ug/l	99
52) Toluene	7.76	92	137685	19.704	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	78746	19.629	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	96020	19.075	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	40716	19.204	ug/l #	86
56) Ethyl methacrylate	8.73	69	43673	17.037	ug/l	98
57) 1,3-Dichloropropane	8.98	76	68976	19.564	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	28556	122.901	ug/l	100
59) 2-Hexanone	9.61	43	115968	88.125	ug/l	99
60) Dibromochloromethane	8.84	129	65000	20.342	ug/l	97
61) 1,2-Dibromoethane	9.12	107	46495	19.475	ug/l	98
64) Tetrachloroethene	8.28	164	59841	18.495	ug/l	97
65) Chlorobenzene	9.92	112	152596	18.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	70129	20.503	ug/l	98
67) Ethyl Benzene	10.01	91	295032	19.556	ug/l	97
68) m/p-Xylenes	10.24	106	203751	39.127	ug/l	94
69) o-Xylene	10.81	106	111913	19.203	ug/l	88
70) Styrene	10.88	104	156236	19.060	ug/l	99
71) Bromoform	10.87	173	34413	18.448	ug/l	89
73) Isopropylbenzene	11.21	105	352075	19.207	ug/l	97
74) N-amyl acetate	11.44	43	70961	17.869	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	61708	18.964	ug/l	87
76) 1,2,3-Trichloropropane	11.87	75	43159	18.333	ug/l	94
77) Bromobenzene	11.58	156	73324	18.515	ug/l	87
78) n-propylbenzene	11.67	91	413954	19.017	ug/l	97
79) 2-Chlorotoluene	11.80	91	251087	20.002	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	300629	20.277	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	17430m	14.190	ug/l	
82) 4-Chlorotoluene	11.98	91	237102	18.881	ug/l	99
83) tert-Butylbenzene	12.20	119	298602	19.811	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	293848	19.412	ug/l	94
85) sec-Butylbenzene	12.37	105	391546	18.865	ug/l	99
86) p-Isopropyltoluene	12.53	119	330950	20.035	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	137719	18.521	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	140243	19.162	ug/l	96
89) n-Butylbenzene	12.90	91	348450	19.807	ug/l	95
90) Hexachloroethane	12.98	117	85415	20.134	ug/l	79
91) 1,2-Dichlorobenzene	13.00	146	133864	18.807	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11427	18.547	ug/l	96

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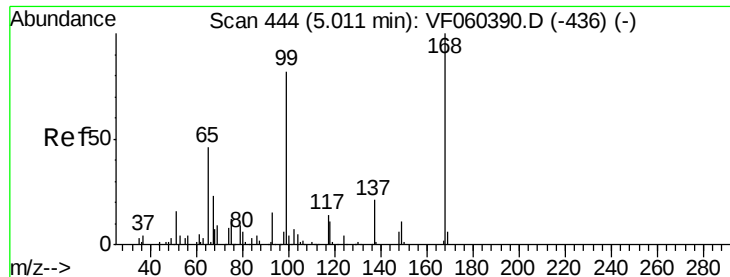
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	101680	19.568	ug/l	98
94) Hexachlorobutadiene	14.24	225	73379	20.910	ug/l	98
95) Naphthalene	14.51	128	173775	18.936	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	97424	20.333	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 248711

Ion Ratio Lower Upper

168 100

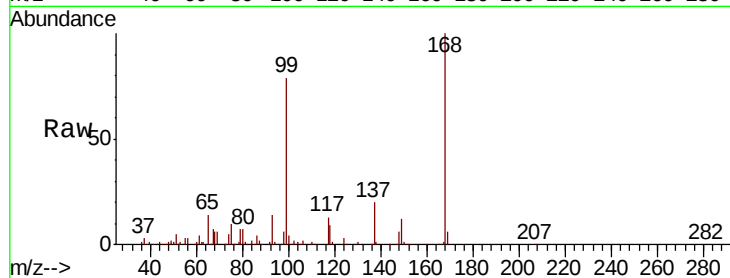
99 78.8 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

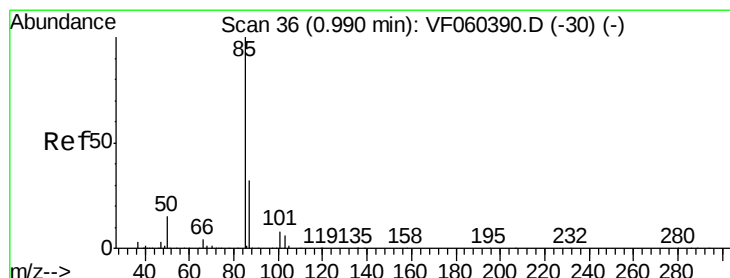
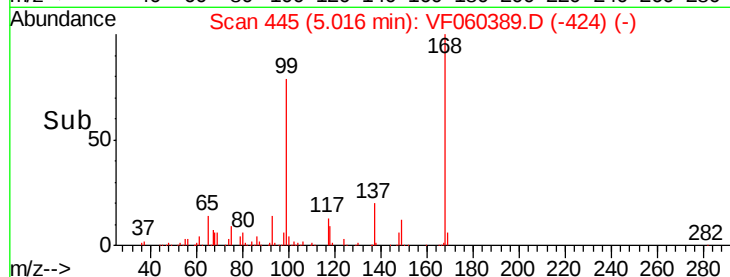
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 30.301 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060389.D

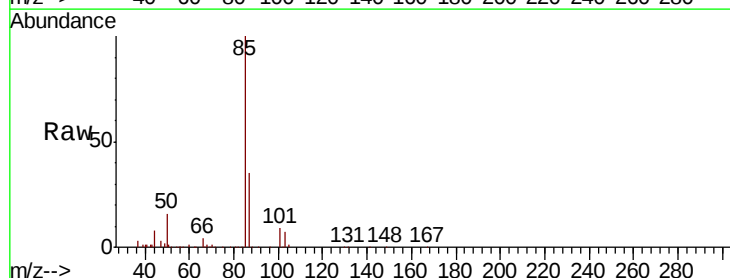
Acq: 1 Oct 2018 18:14

Tgt Ion: 85 Resp: 144346

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

50000

40000

30000

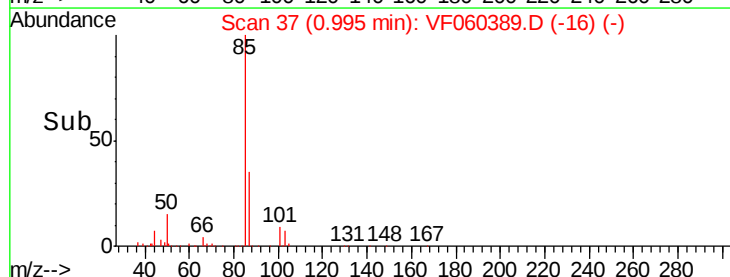
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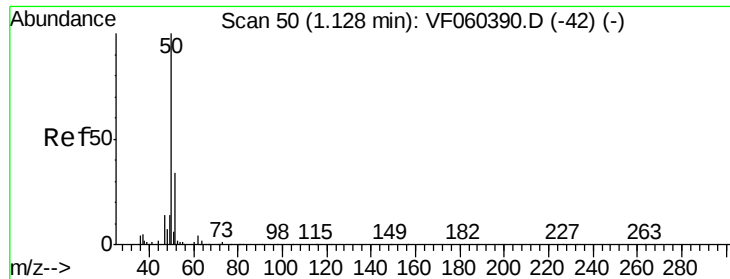
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 20.512 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 70982

Ion Ratio Lower Upper

50 100

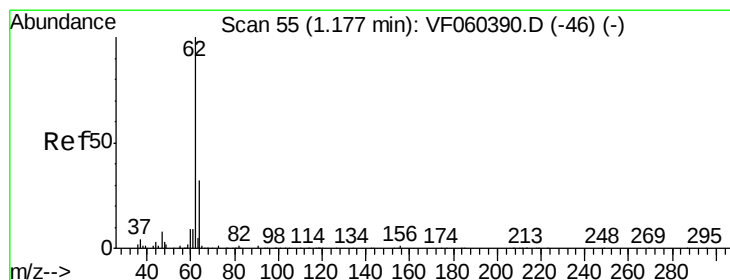
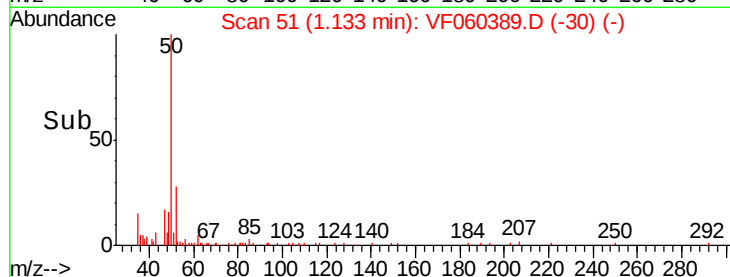
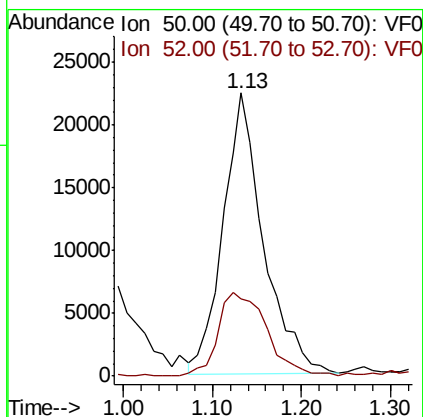
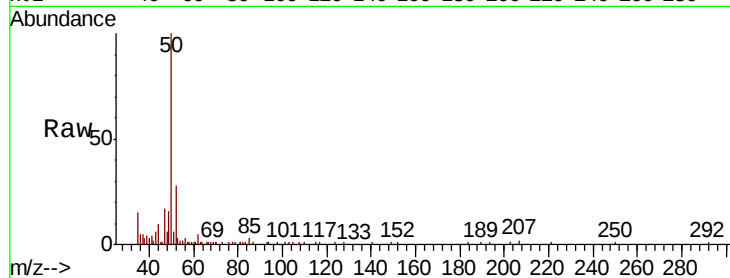
52 27.5 26.9 40.3

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#4

Vinyl Chloride

Concen: 21.056 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060389.D

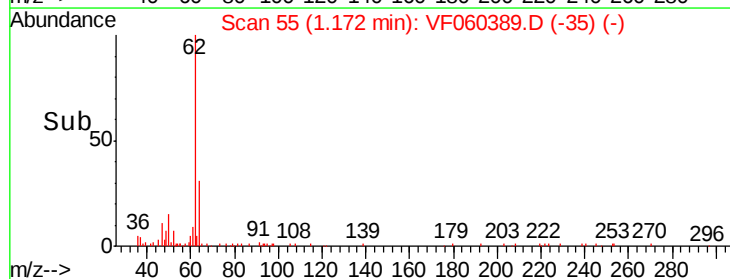
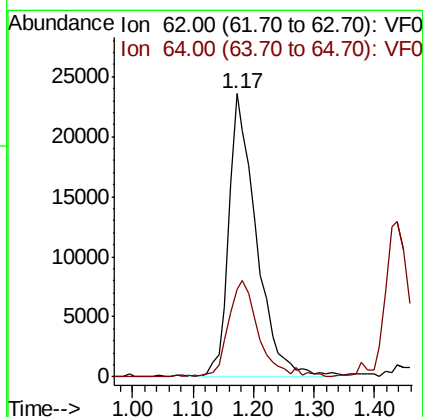
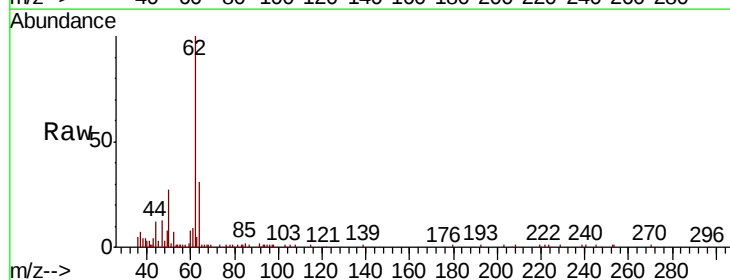
Acq: 1 Oct 2018 18:14

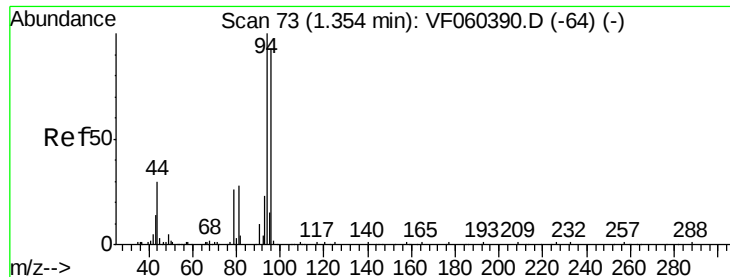
Tgt Ion: 62 Resp: 74613

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.6





#5

Bromomethane

Concen: 24.226 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.01 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

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Tot Ion: 94 Resp: 59540

Ion Ratio Lower Upper

94 100

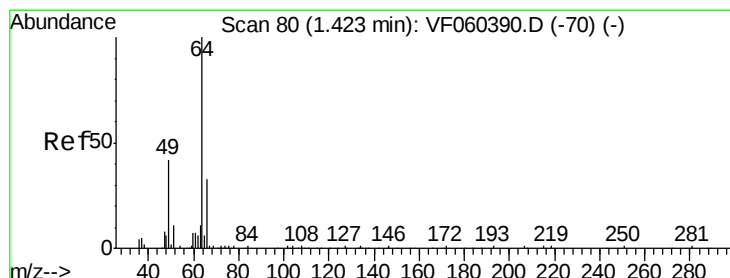
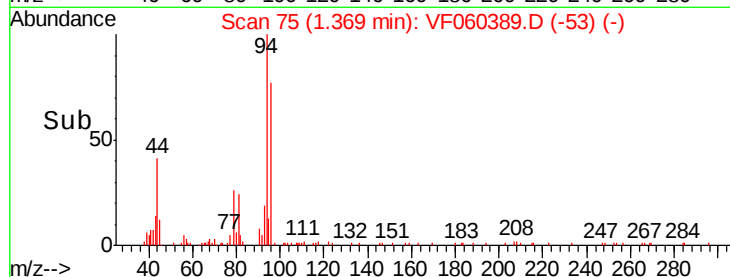
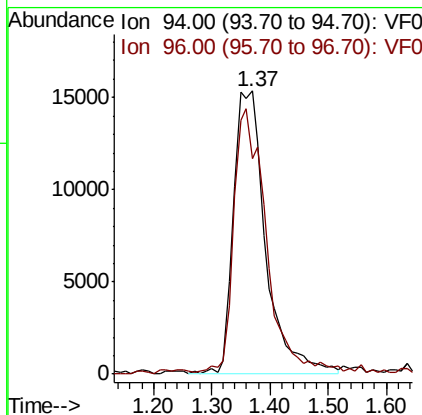
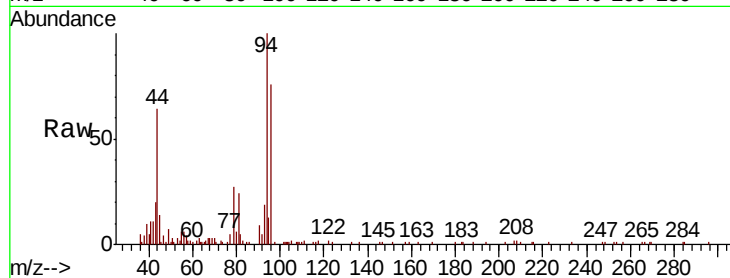
96 76.3 74.3 111.5

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#6

Chloroethane

Concen: 22.357 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF060389.D

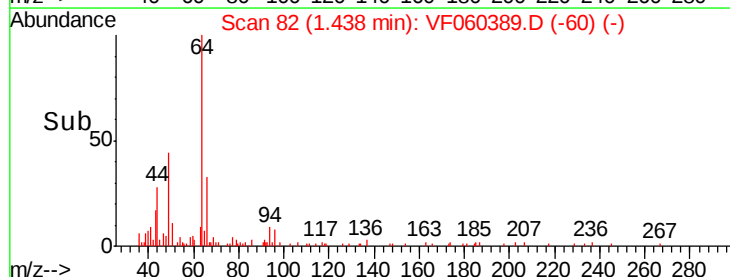
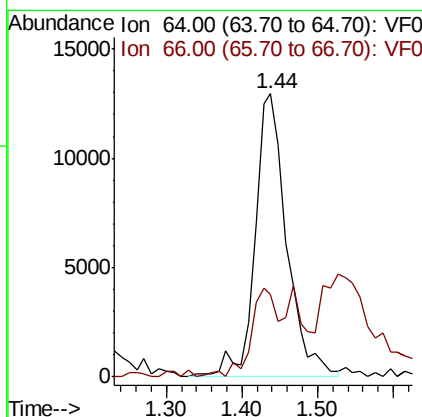
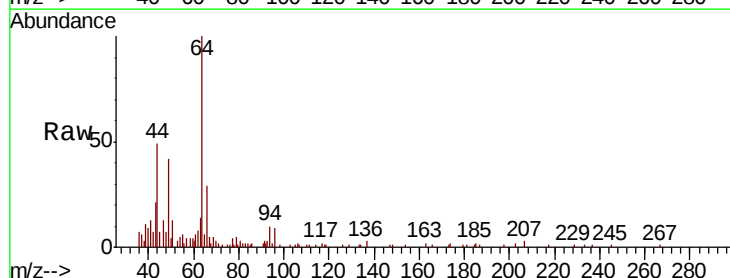
Acq: 1 Oct 2018 18:14

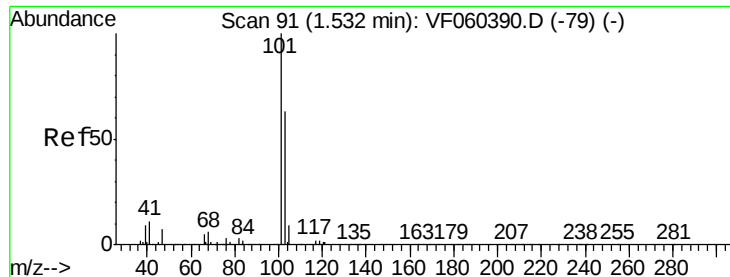
Tgt Ion: 64 Resp: 37960

Ion Ratio Lower Upper

64 100

66 29.3 26.3 39.5





#7

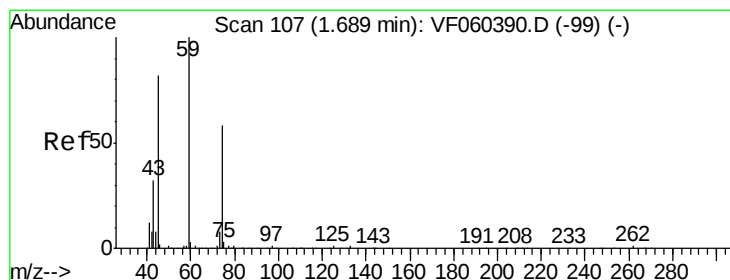
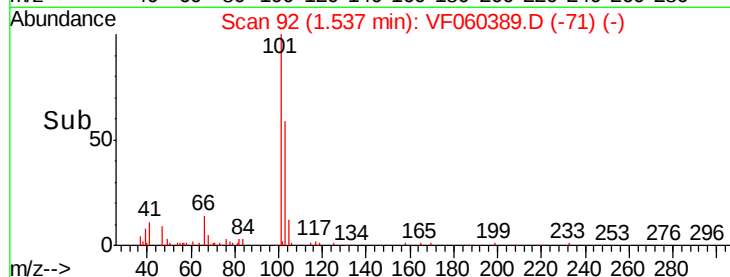
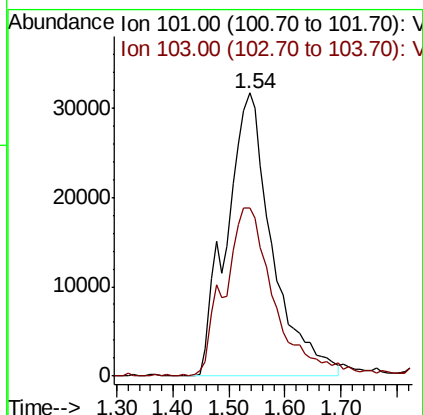
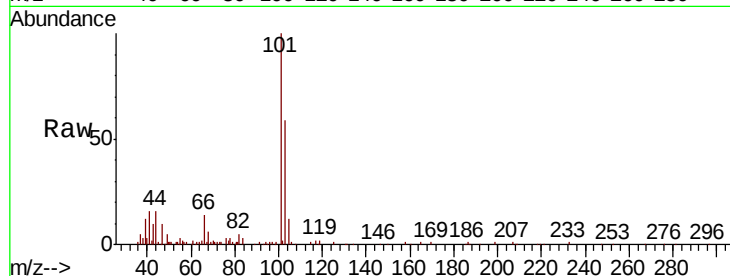
Trichlorofluoromethane
Concen: 26.056 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	51.0	76.4

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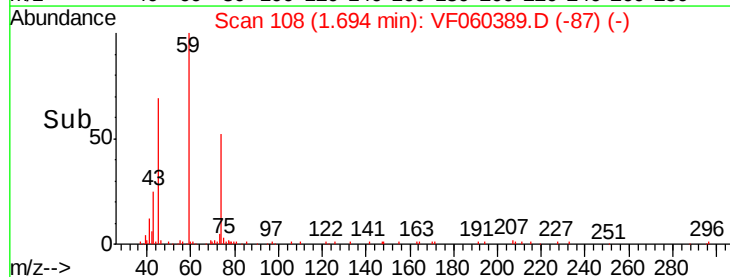
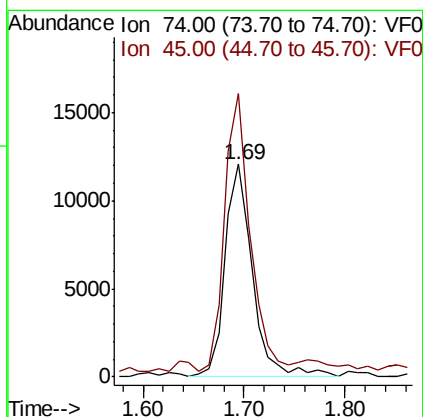
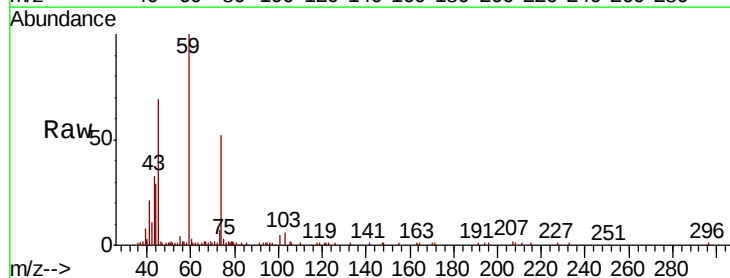
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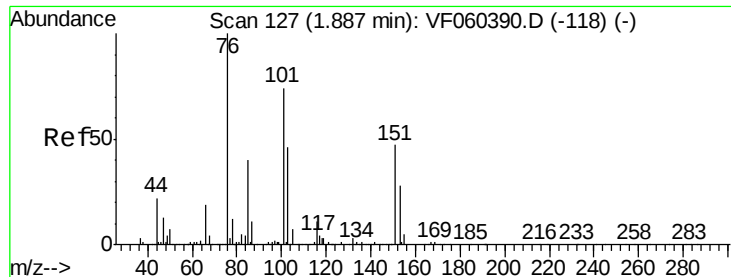


#8

Diethyl Ether
Concen: 20.936 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	133.0	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.665 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

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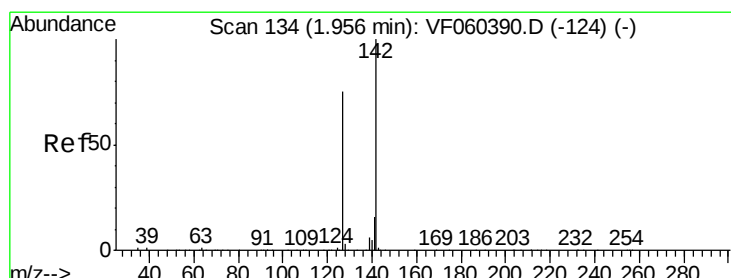
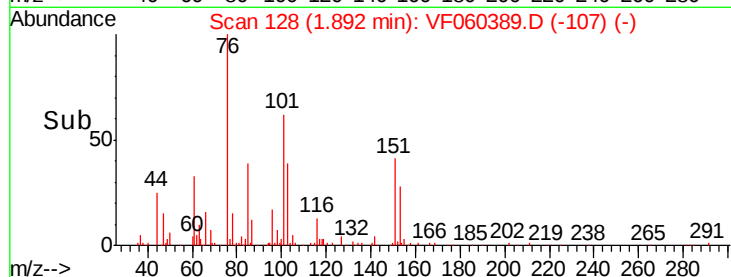
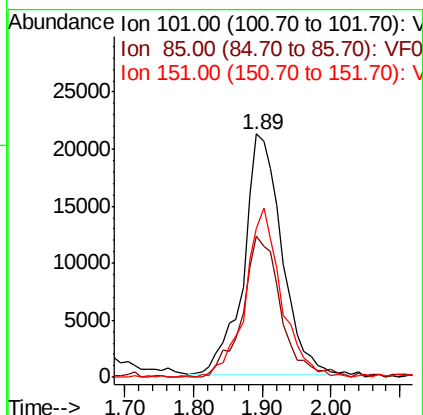
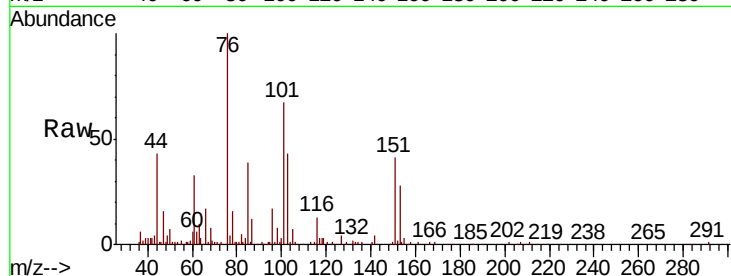
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	80645
Ion Ratio	Lower	Upper	
101	100		
85	58.2	42.5	63.7
151	61.1	49.8	74.8

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#10

Methyl Iodide

Concen: 22.444 ug/l m

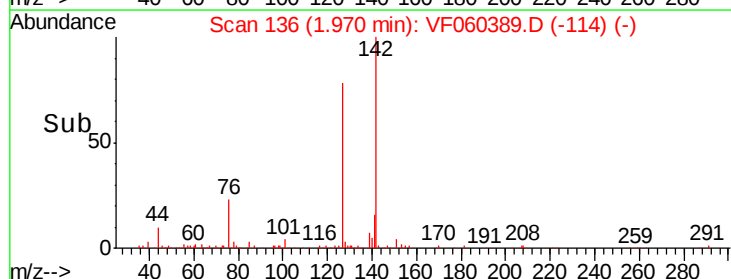
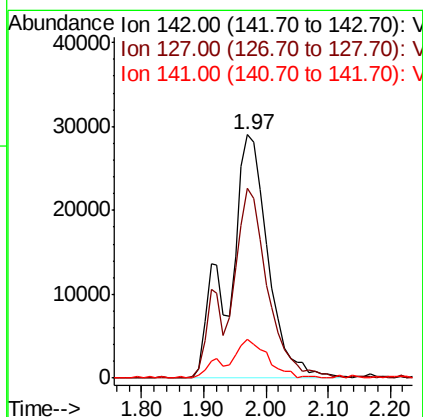
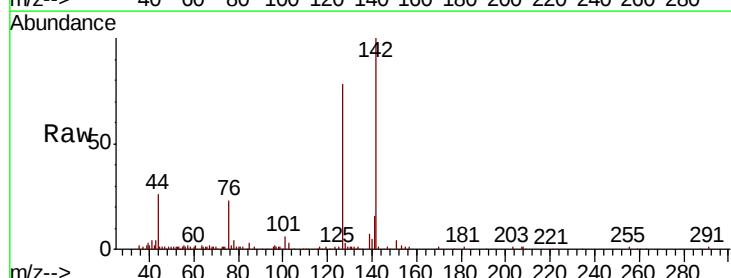
RT: 1.97 min Scan# 136

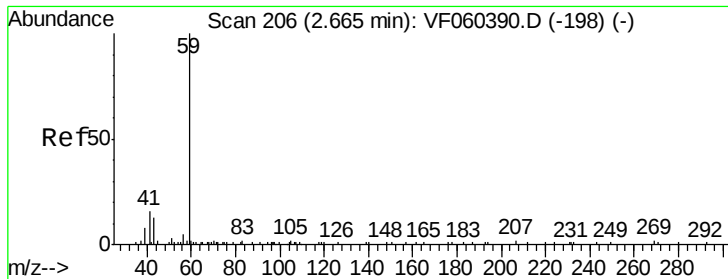
Delta R.T. 0.01 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	142	Resp:	127515
Ion Ratio	Lower	Upper	
142	100		
127	78.1	60.2	90.2
141	15.8	13.1	19.7





#11

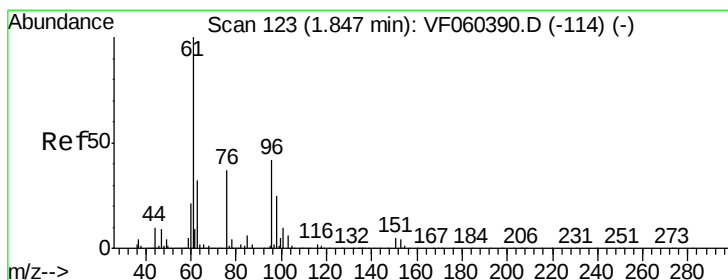
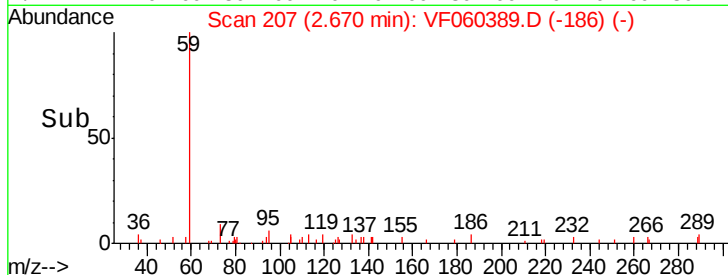
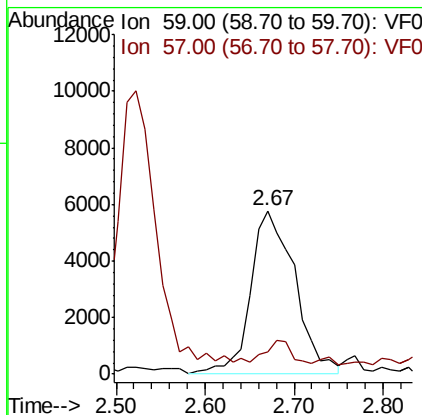
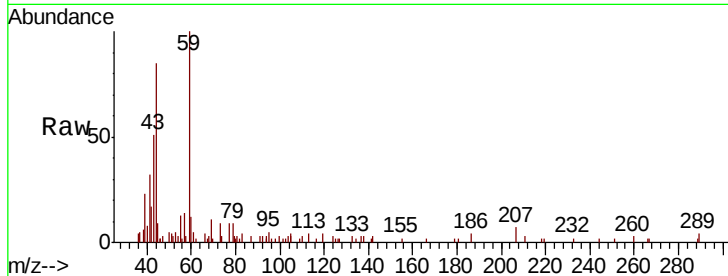
Tert butyl alcohol
Concen: 89.173 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	19908
Ion Ratio	100	Lower	Upper
57	16.5	6.5	9.7#

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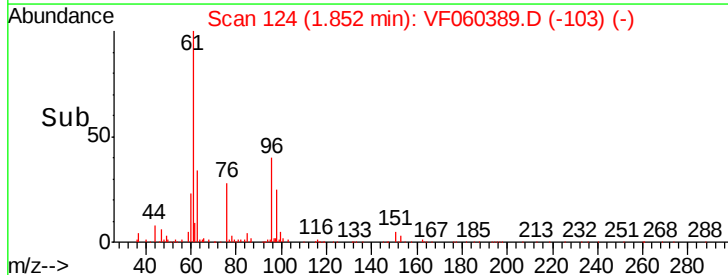
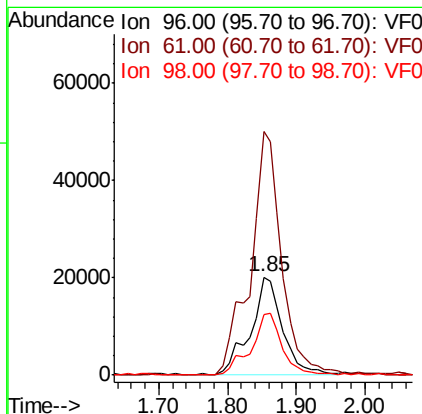
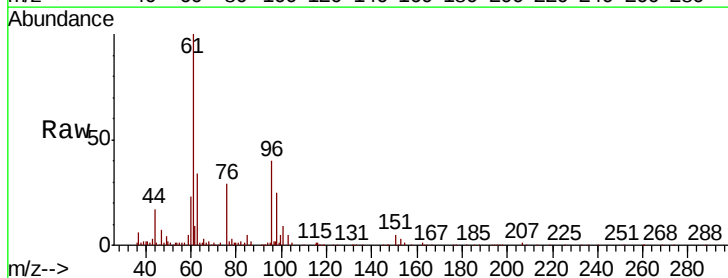
apatel
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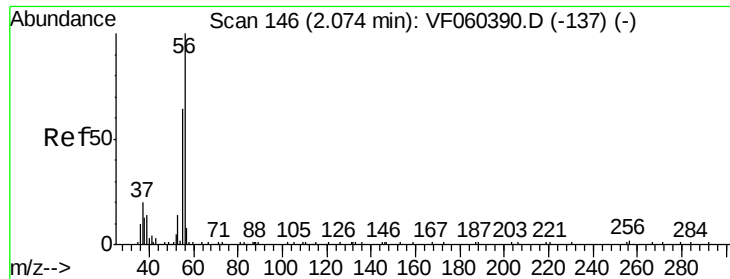


#12

1,1-Dichloroethene
Concen: 22.985 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	96	Resp	66290
Ion Ratio	100	Lower	Upper
61	248.2	189.4	284.0
98	62.0	47.8	71.6





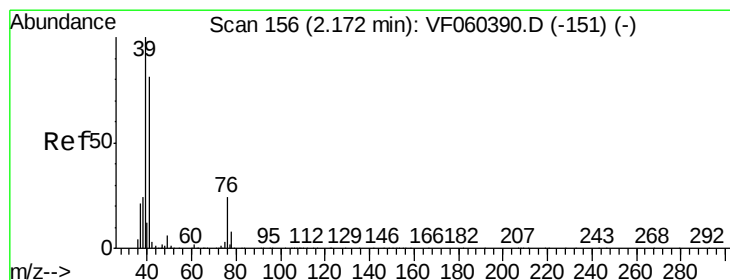
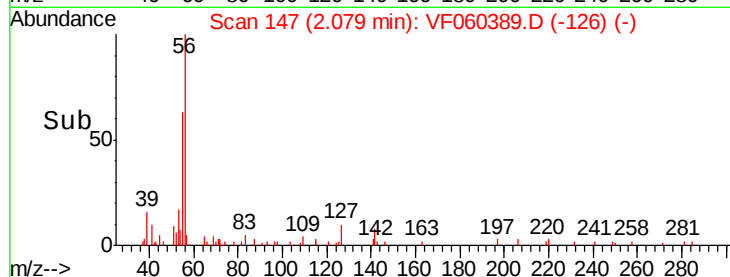
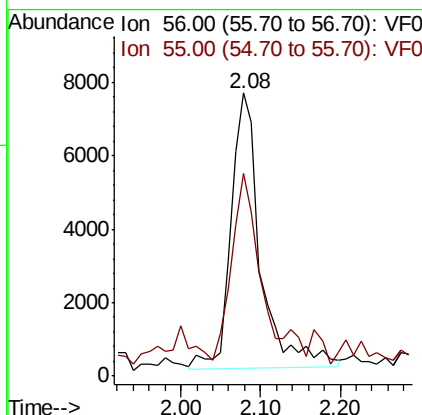
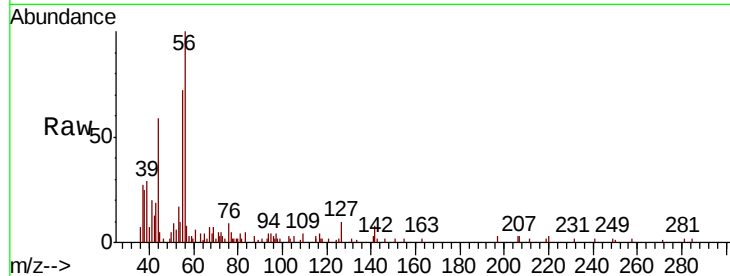
#13
Acrolein
Concen: 153.893 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	53.9	80.9

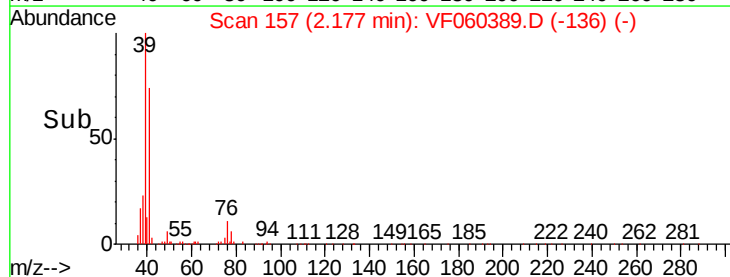
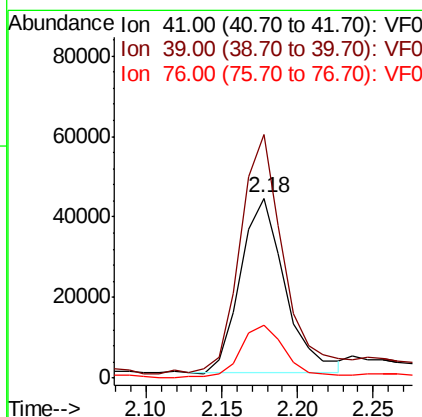
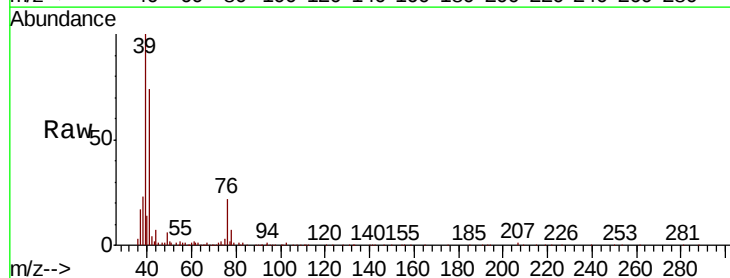
Manual Integrations
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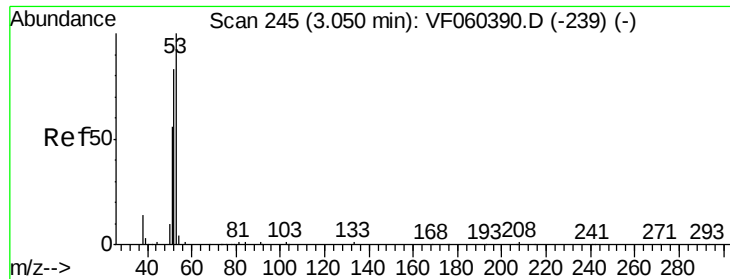
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#14
Allyl chloride
Concen: 17.733 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	135.2	98.3	147.5
76	29.4	23.9	35.9





#15

Acrylonitrile

Concen: 90.724 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

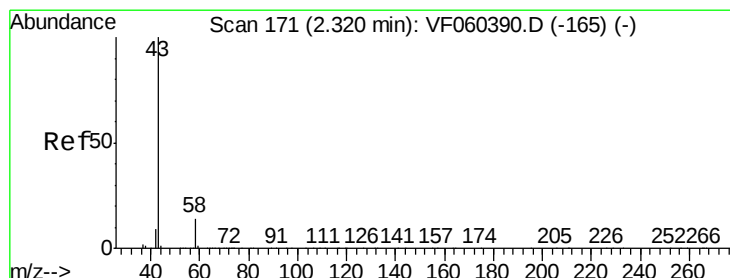
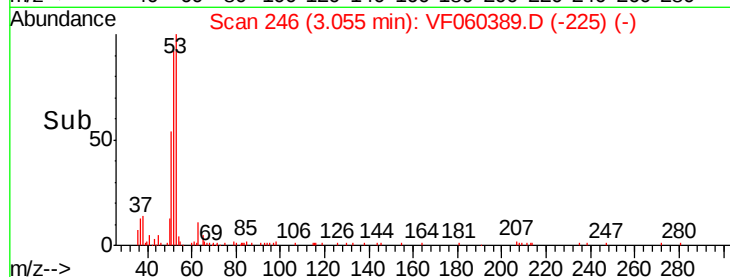
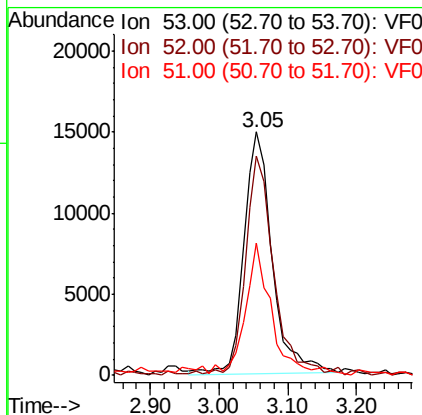
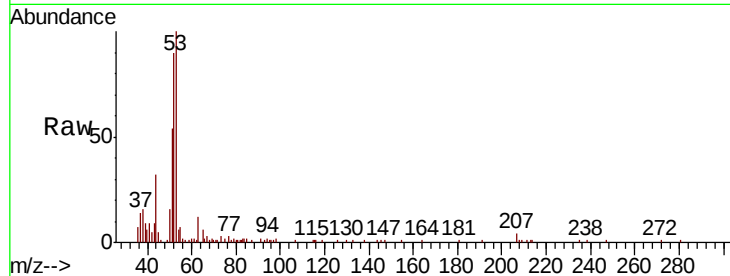
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	42441
Ion	Ratio	Lower	Upper
53	100		
52	90.2	66.0	99.0
51	54.4	45.6	68.4

Manual Integrations
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#16

Acetone

Concen: 102.930 ug/l

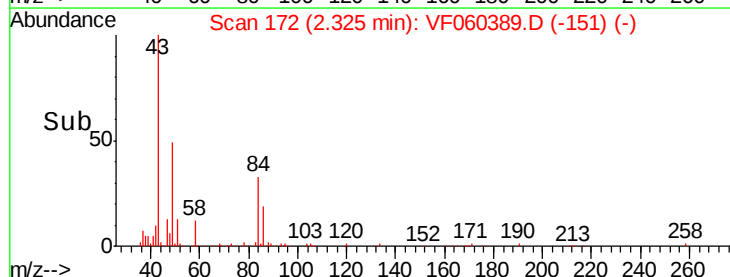
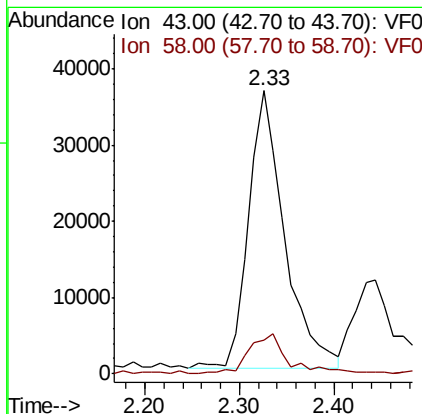
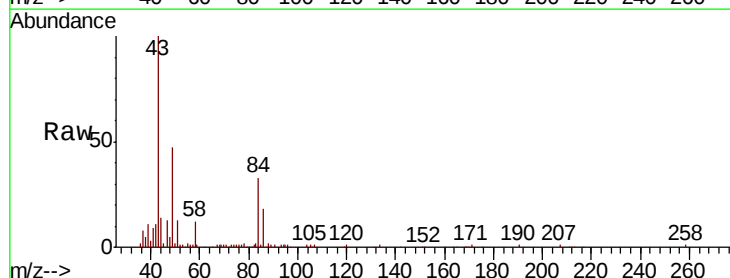
RT: 2.33 min Scan# 172

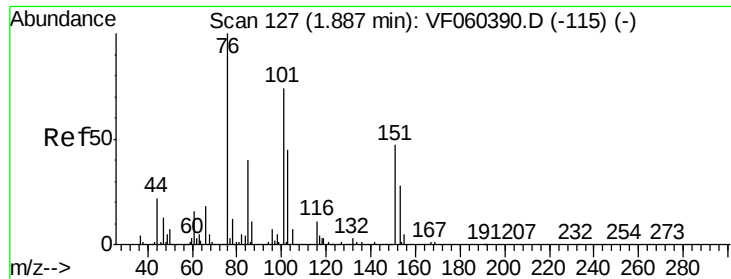
Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	43	Resp:	96366
Ion	Ratio	Lower	Upper
43	100		
58	11.8	11.2	16.8





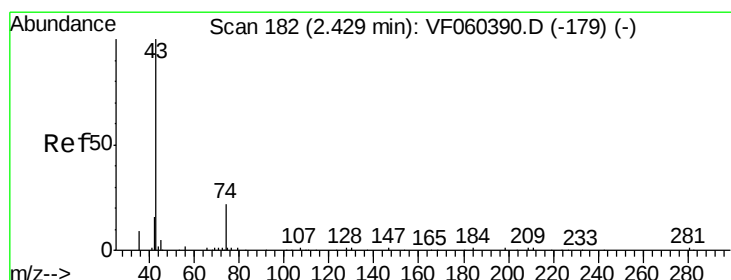
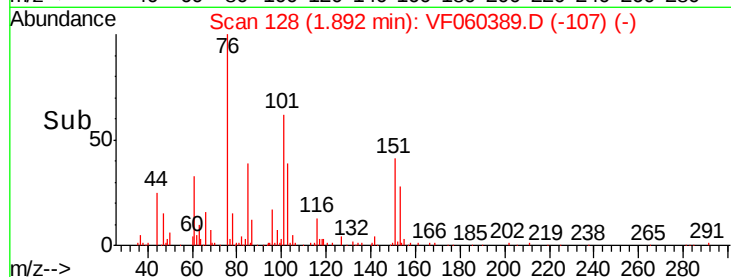
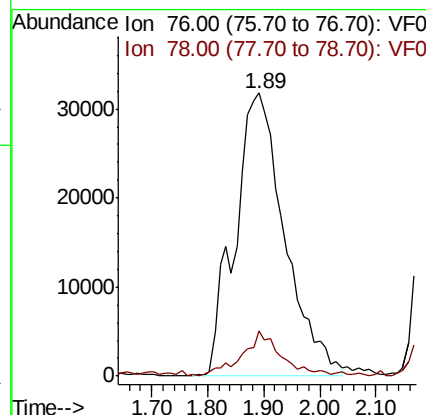
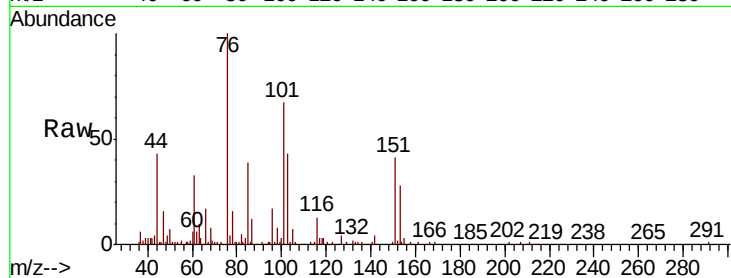
#17
Carbon Disulfide
Concen: 22.190 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 196807
Ion Ratio Lower Upper
76 100
78 15.9 10.1 15.1#

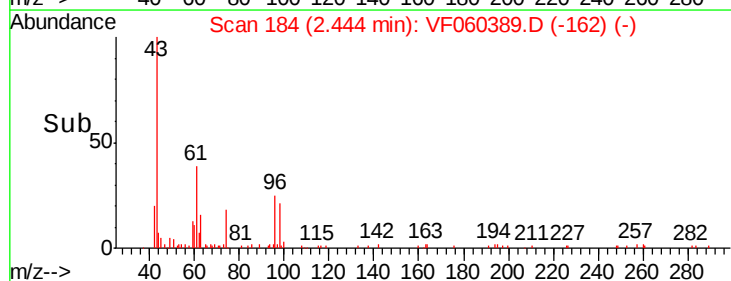
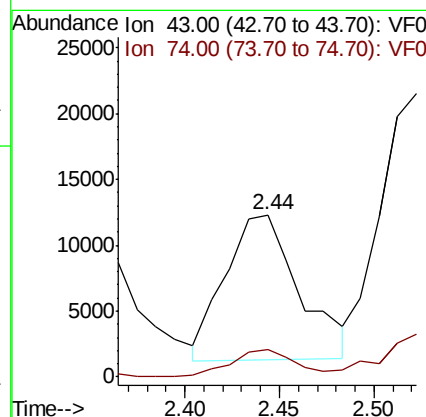
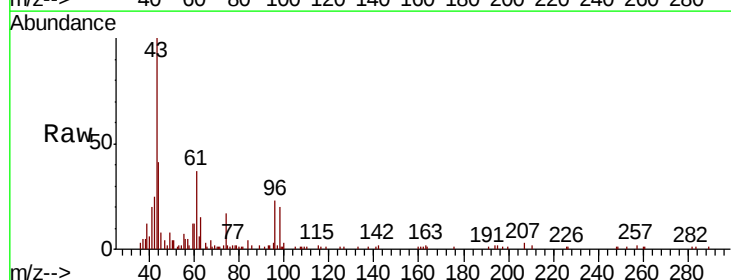
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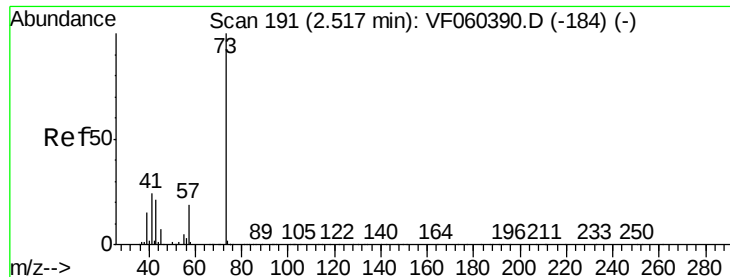
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#18
Methyl Acetate
Concen: 18.688 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion: 43 Resp: 29988
Ion Ratio Lower Upper
43 100
74 16.9 15.8 23.8





#19

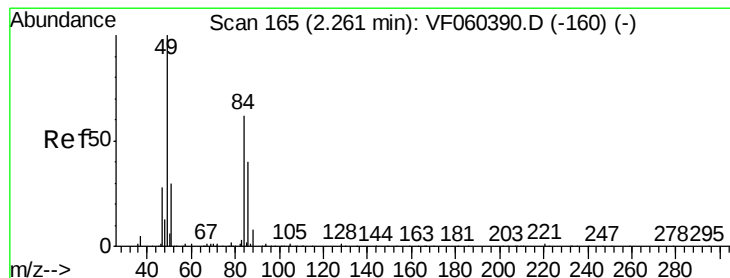
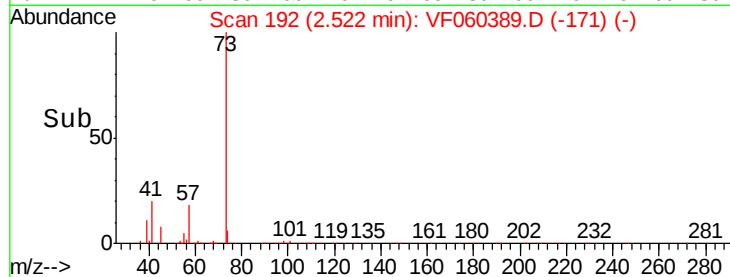
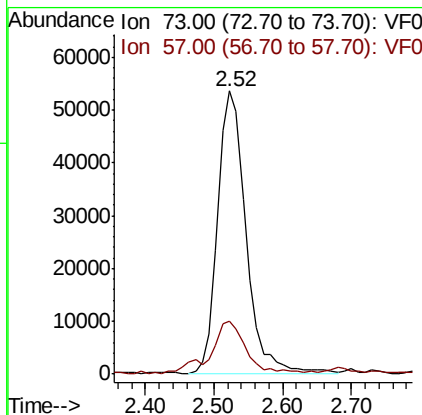
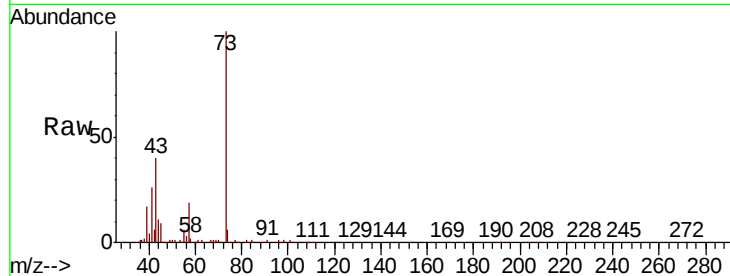
Methyl tert-butyl Ether
 Concen: 21.319 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	15.9	23.9

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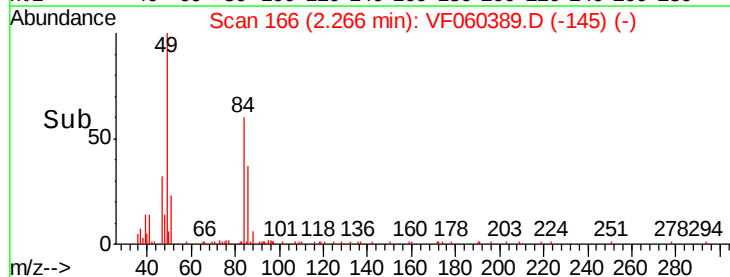
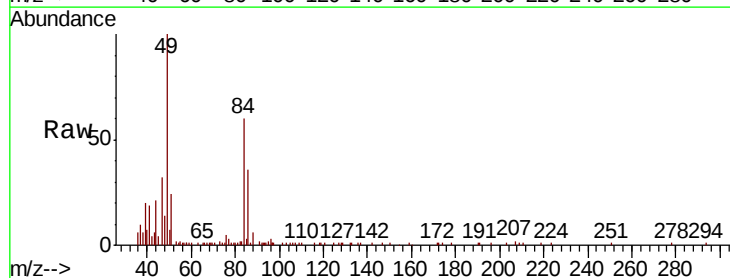
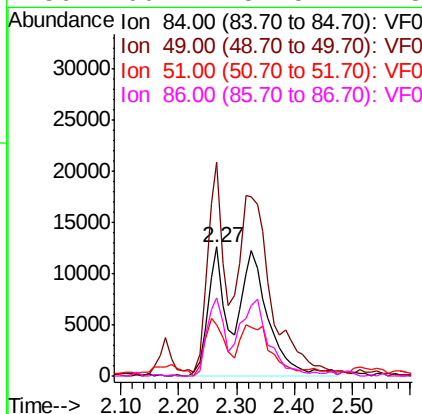
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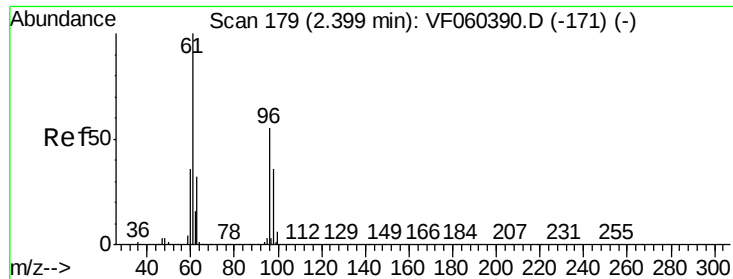


#20

Methylene Chloride
 Concen: 19.311 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	165.9	130.2	195.2
51	40.0	41.0	61.6#
86	60.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 20.253 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

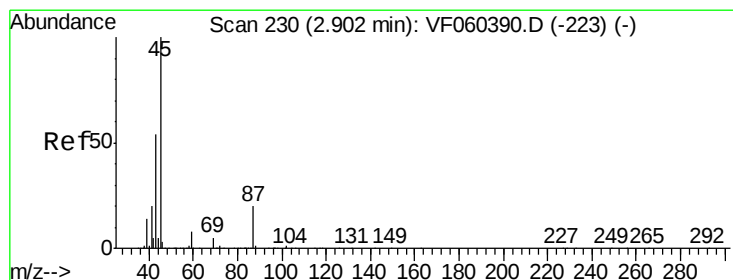
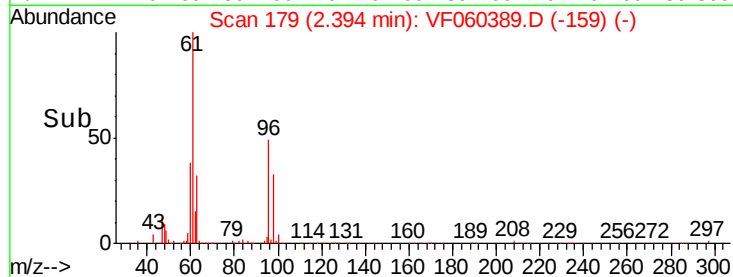
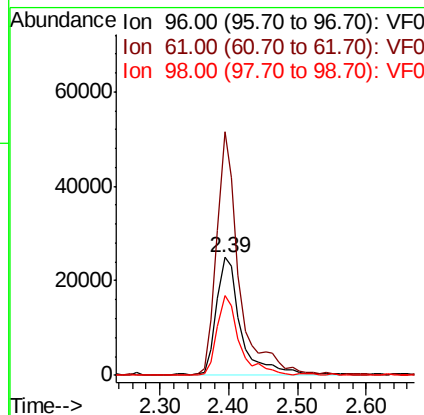
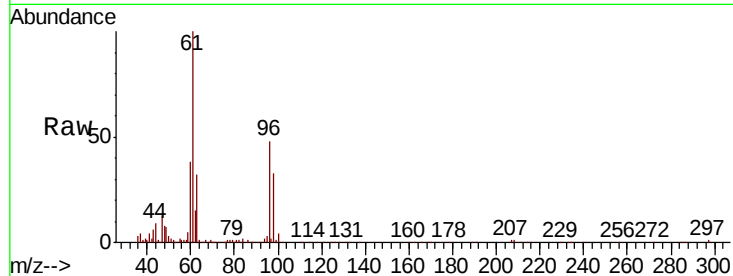
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	60642
Ion	Ratio	Lower	Upper
96	100		
61	206.3	146.2	219.2
98	67.7	52.6	78.8

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#22

Diisopropyl ether

Concen: 19.680 ug/l

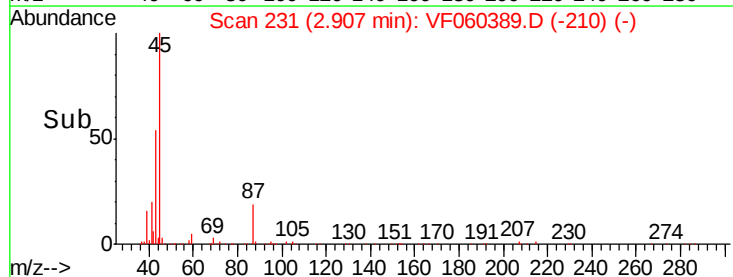
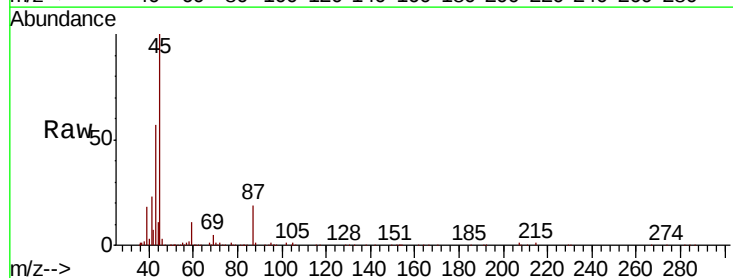
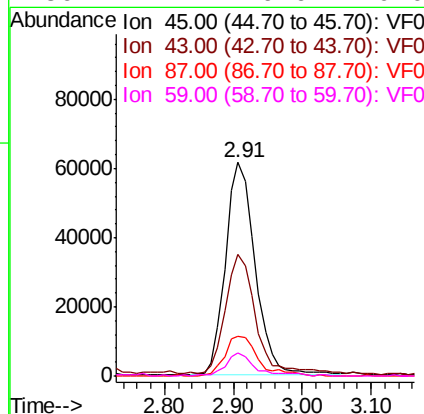
RT: 2.91 min Scan# 231

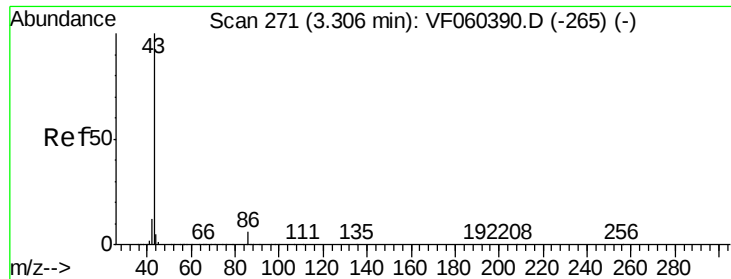
Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	45	Resp:	183532
Ion	Ratio	Lower	Upper
45	100		
43	56.9	43.8	65.8
87	18.8	16.3	24.5
59	11.1	6.6	10.0#





#23

Vinyl Acetate

Concen: 94.481 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 347774

Ion Ratio Lower Upper

43 100

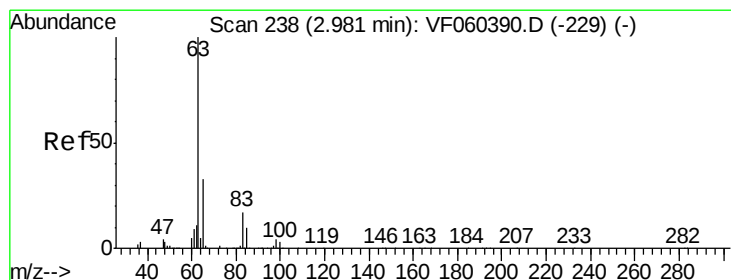
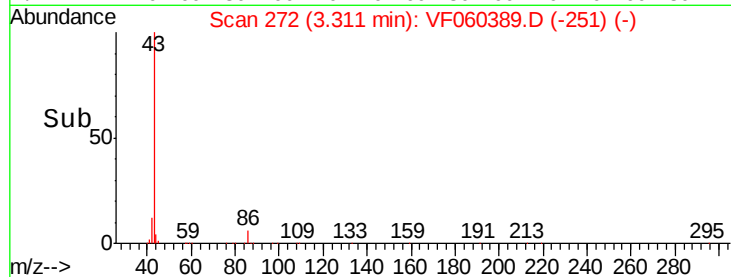
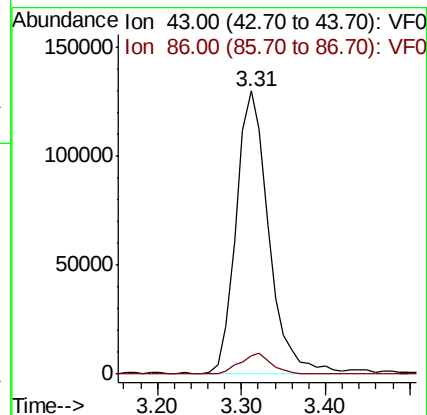
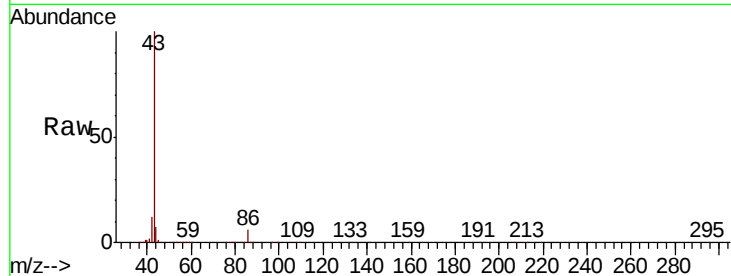
86 6.5 5.1 7.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.995 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

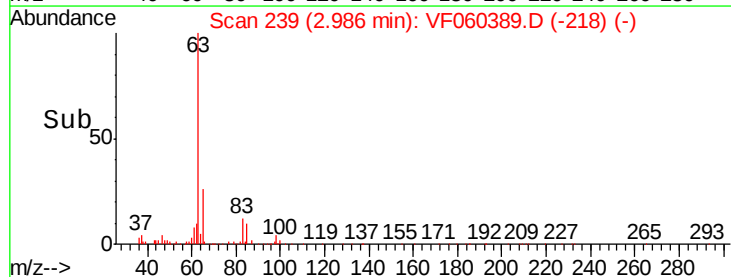
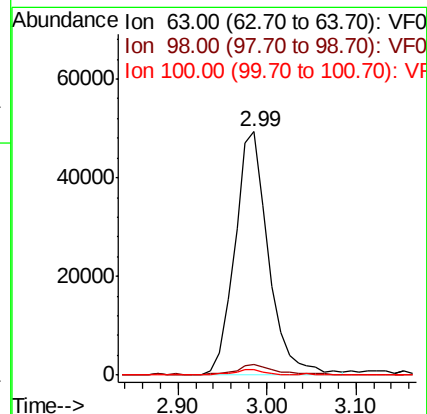
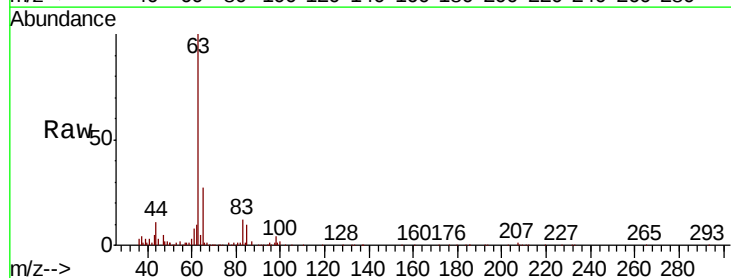
Tgt Ion: 63 Resp: 129142

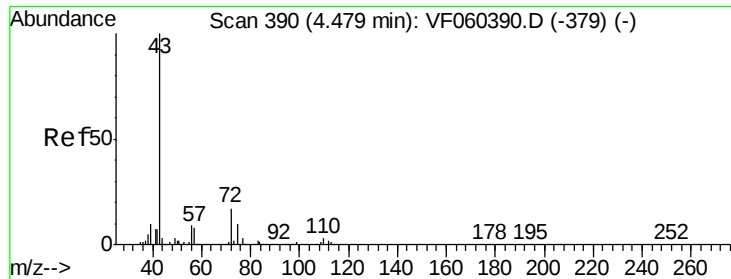
Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

100 2.2 1.4 4.2





#25

2-Butanone

Concen: 84.164 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 102517

Ion Ratio Lower Upper

43 100

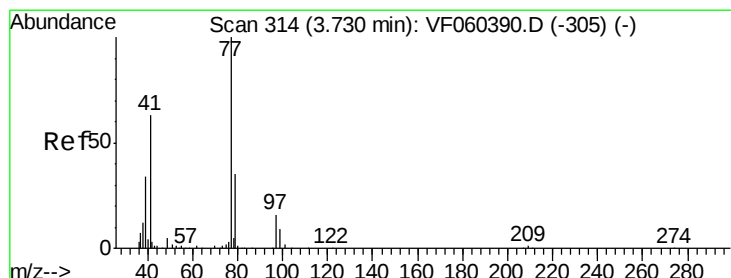
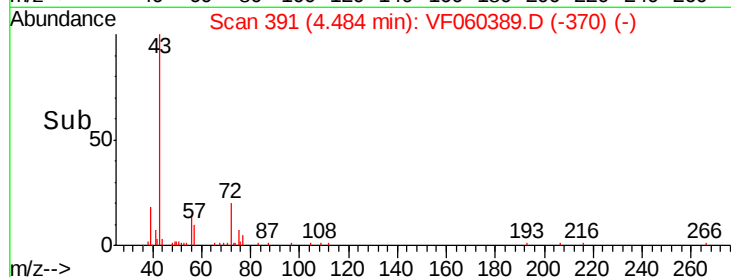
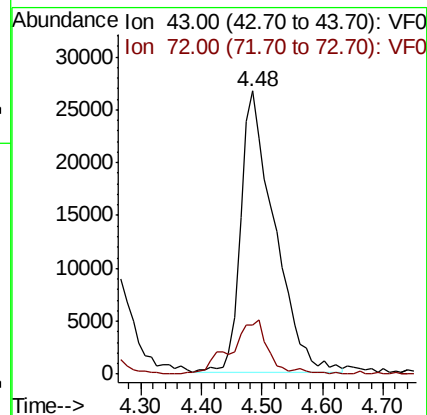
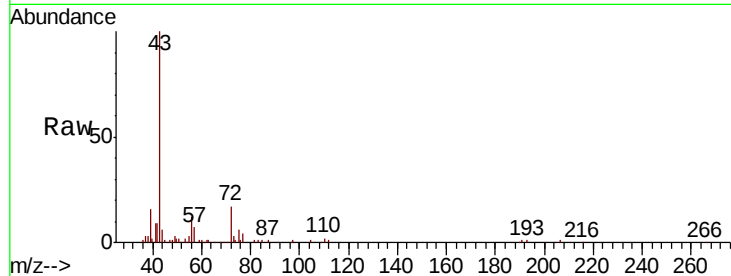
72 17.5 14.1 21.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.070 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060389.D

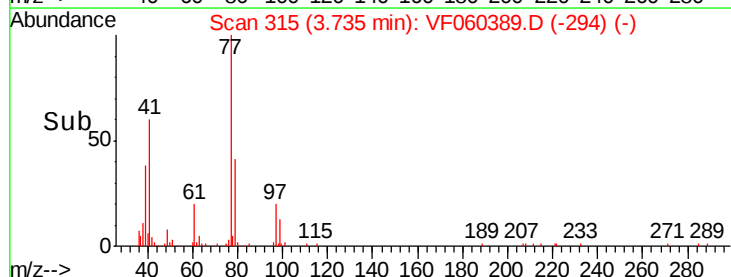
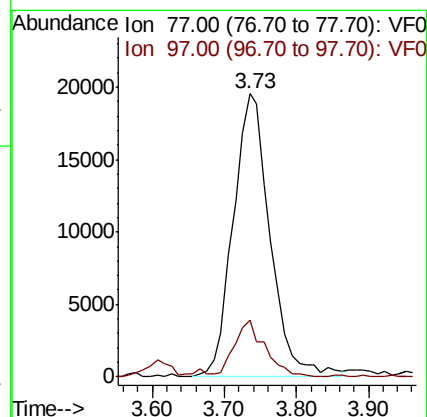
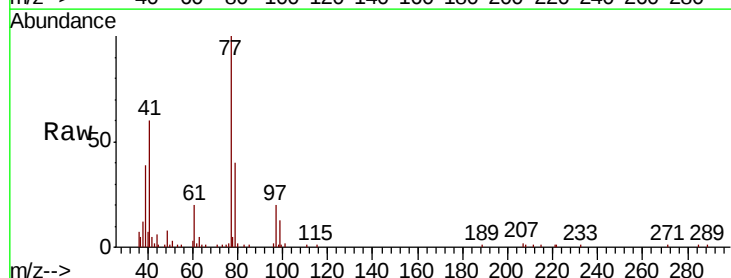
Acq: 1 Oct 2018 18:14

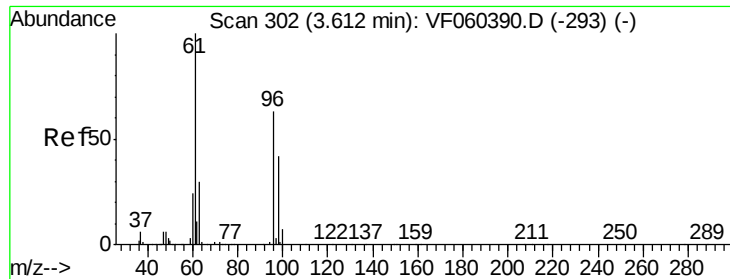
Tgt Ion: 77 Resp: 69636

Ion Ratio Lower Upper

77 100

97 20.2 8.3 25.1





#27

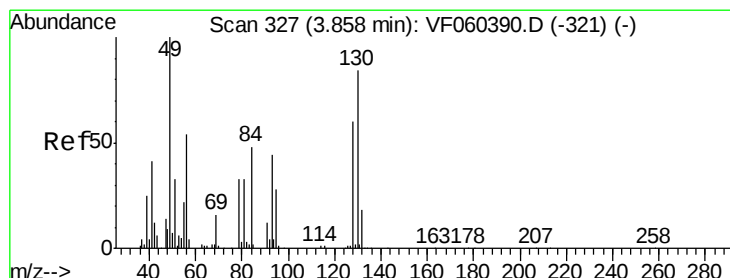
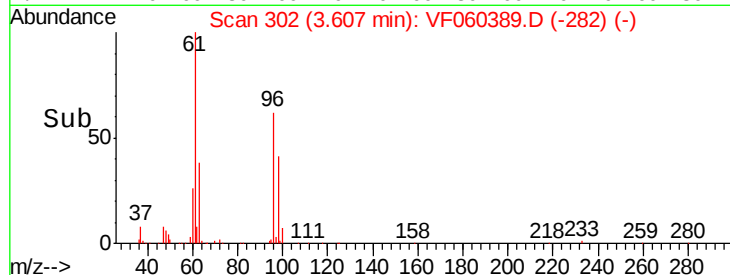
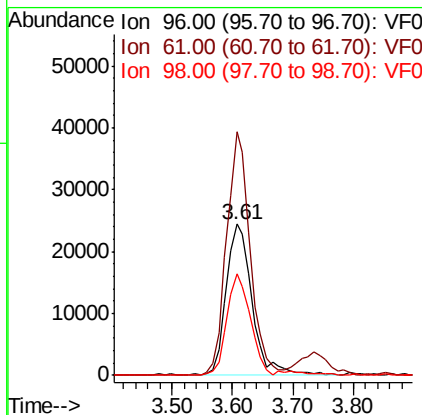
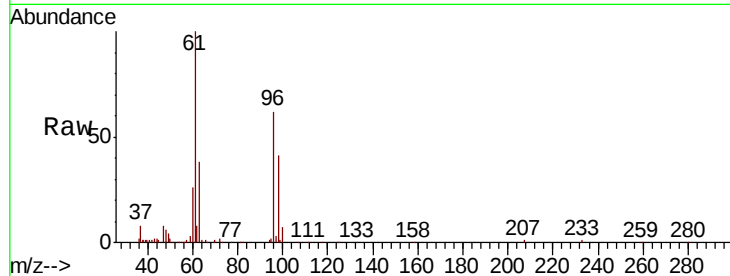
cis-1,2-Dichloroethene
Concen: 19.149 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	318.2
98	67.0	0.0	134.0

Manual Integrations
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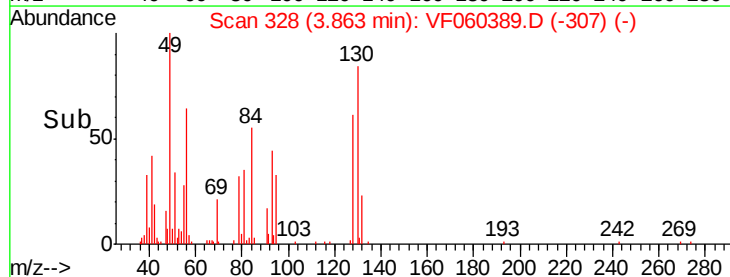
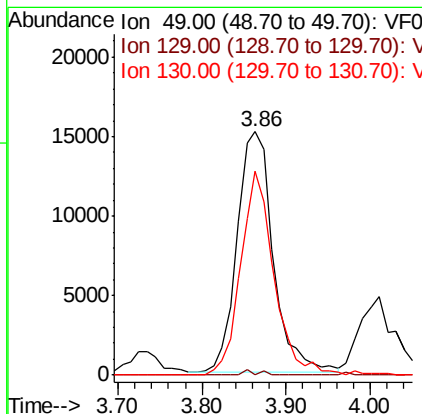
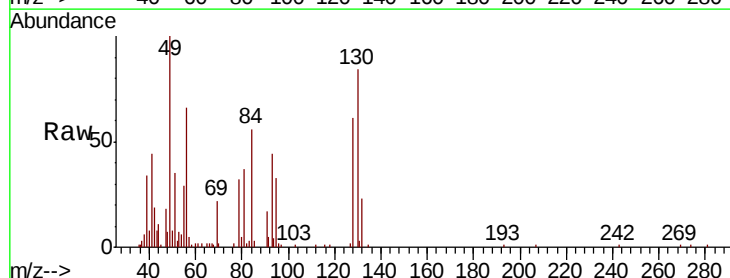
apatel
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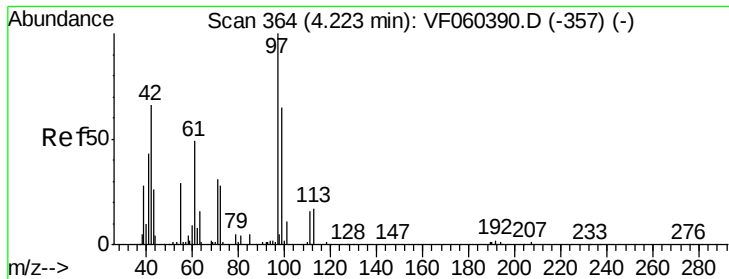


#28

Bromochloromethane
Concen: 19.047 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	84.0	67.3	100.9





#29

Tetrahydrofuran

Concen: 81.151 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

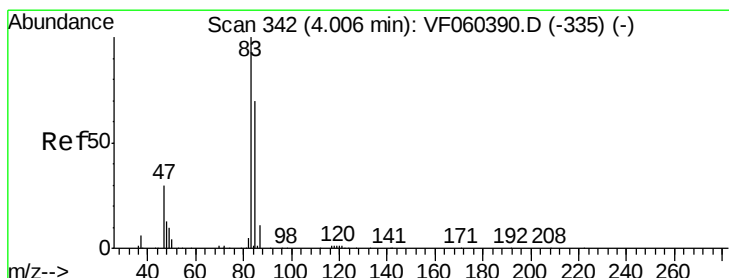
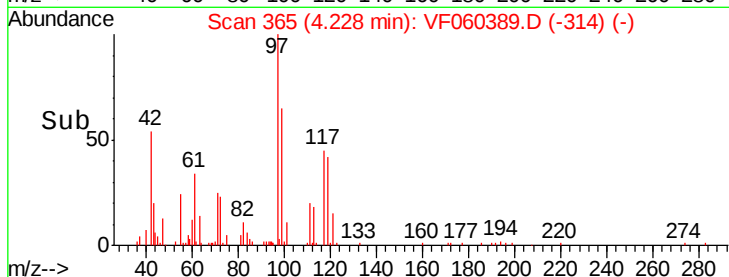
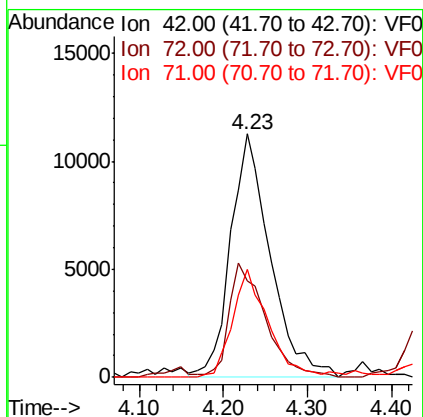
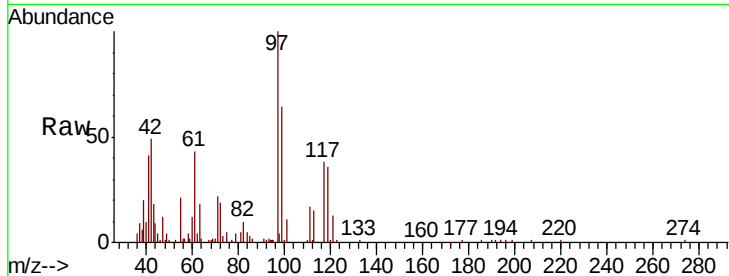
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	37154
Ion Ratio	Lower	Upper	
42	100		
72	43.2	33.6	50.4
71	40.6	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 20.418 ug/l

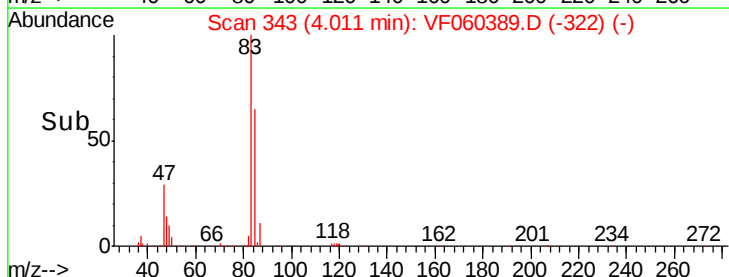
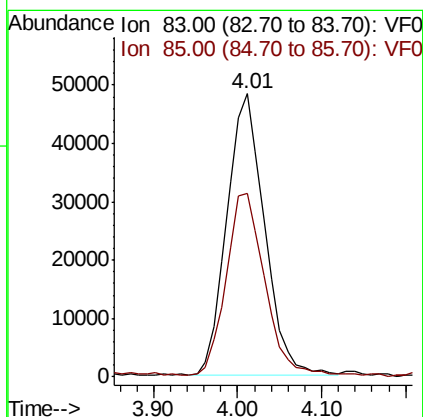
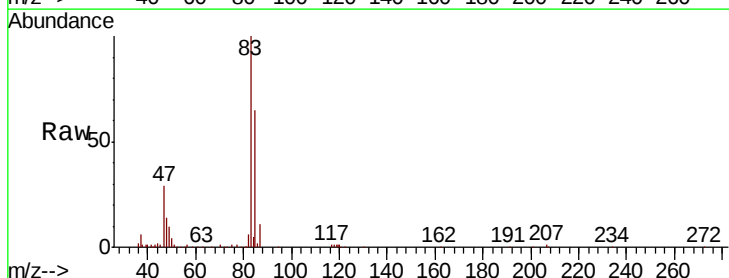
RT: 4.01 min Scan# 343

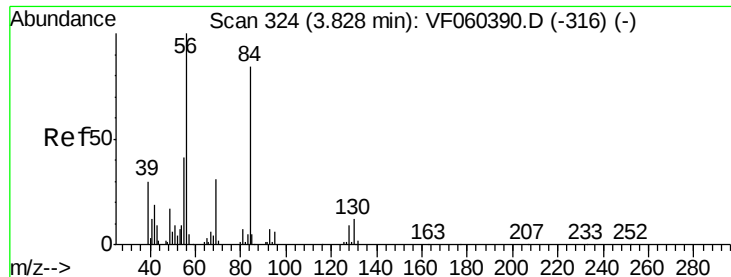
Delta R.T. 0.01 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	83	Resp:	150670
Ion Ratio	Lower	Upper	
83	100		
85	65.1	55.9	83.9





#31

Cyclohexane

Concen: 16.662 ug/l m

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VF060389.D

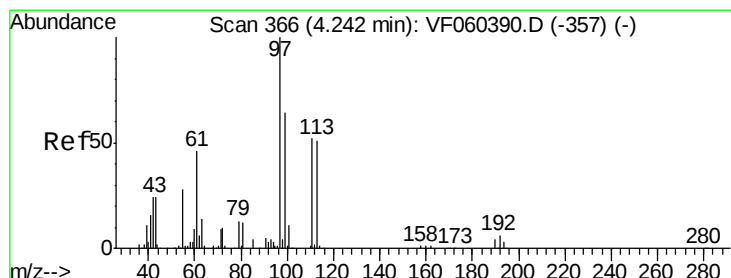
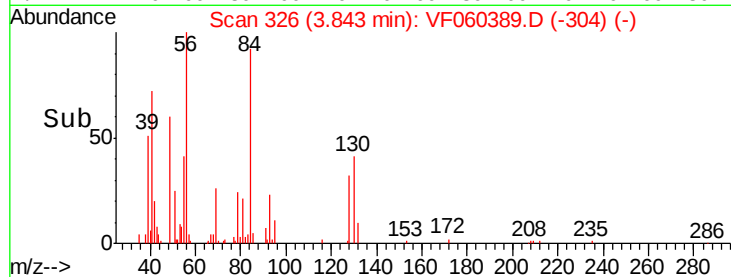
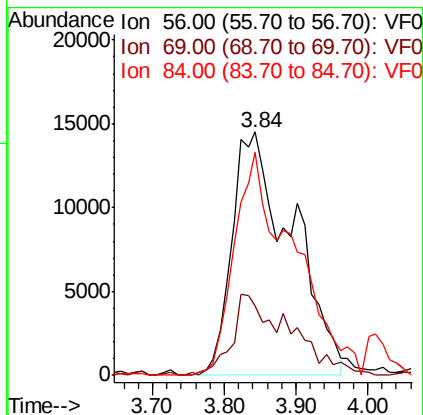
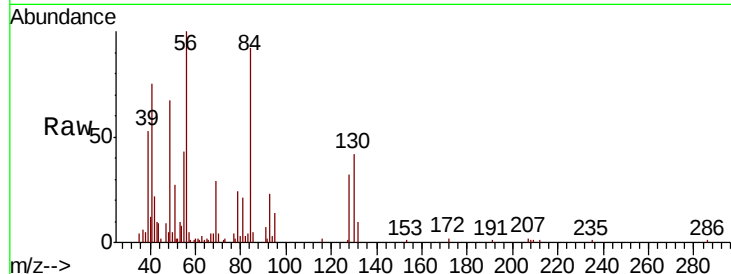
Acq: 1 Oct 2018 18:14

Tot Ion:	56	Resp:	84596
Ion Ratio	Lower	Upper	
56	100		
69	28.7	25.5	38.3
84	91.9	67.4	101.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.809 ug/l

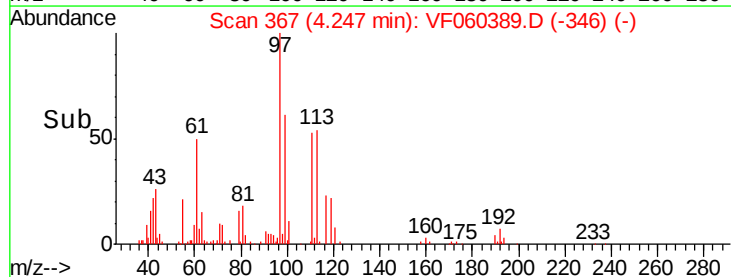
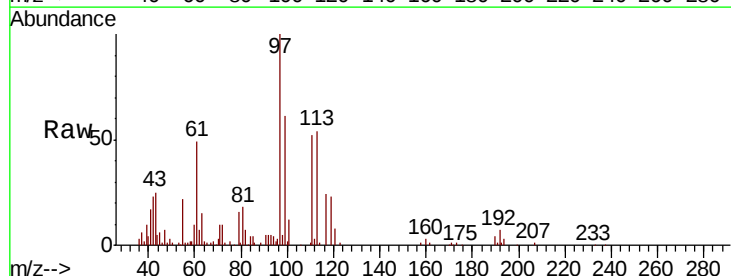
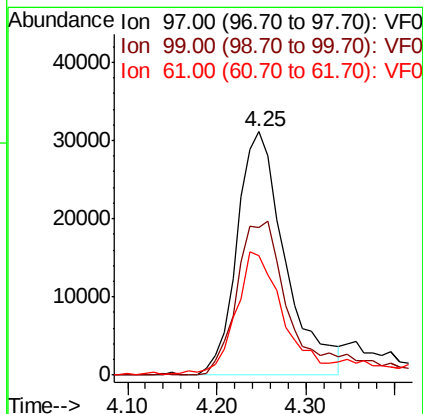
RT: 4.25 min Scan# 367

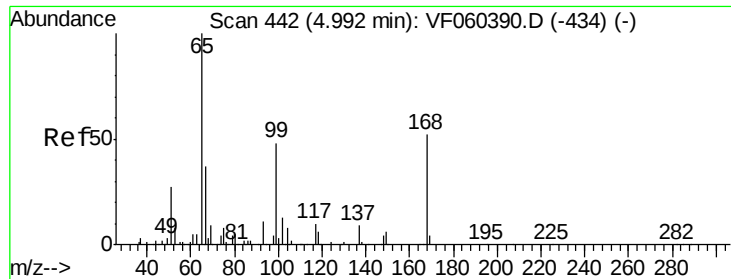
Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	97	Resp:	117128
Ion Ratio	Lower	Upper	
97	100		
99	60.6	51.0	76.4
61	49.3	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 21.448 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 74831

Ion Ratio Lower Upper

65 100

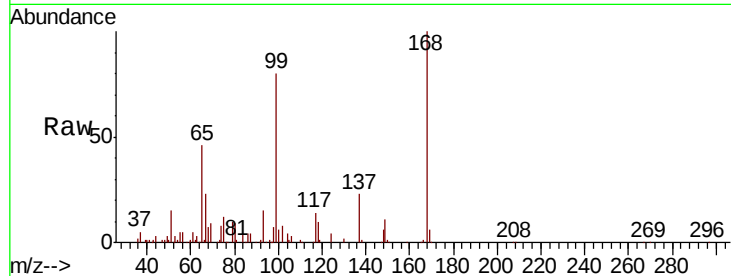
67 50.5 0.0 89.4

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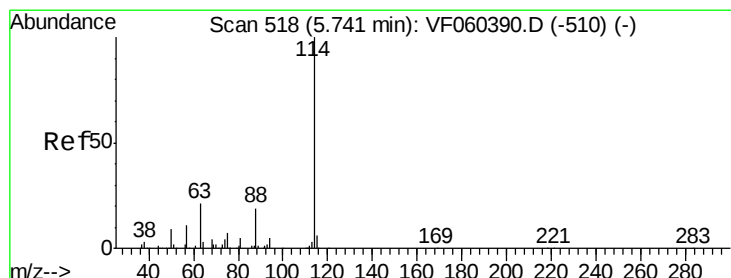
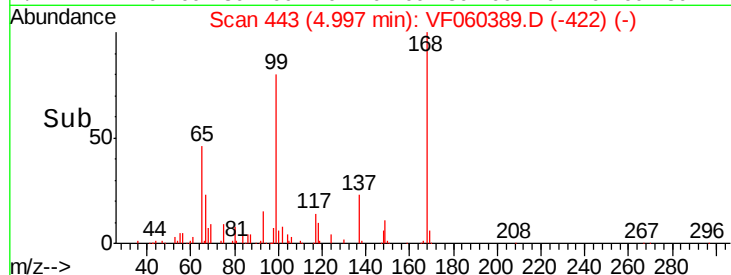
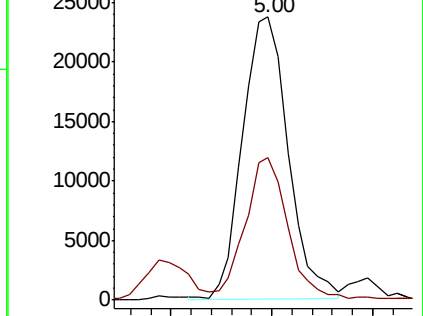
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

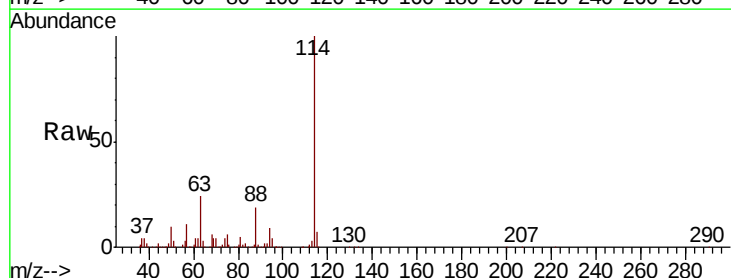
Tgt Ion: 114 Resp: 395891

Ion Ratio Lower Upper

114 100

63 24.0 0.0 42.2

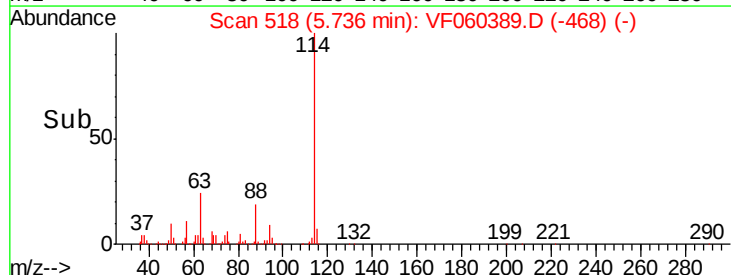
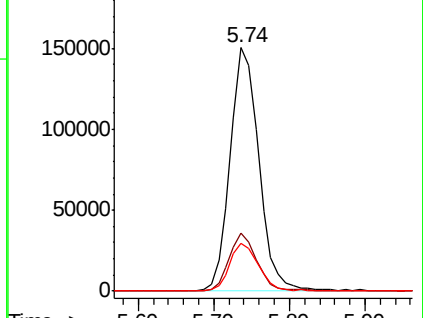
88 19.5 0.0 38.8

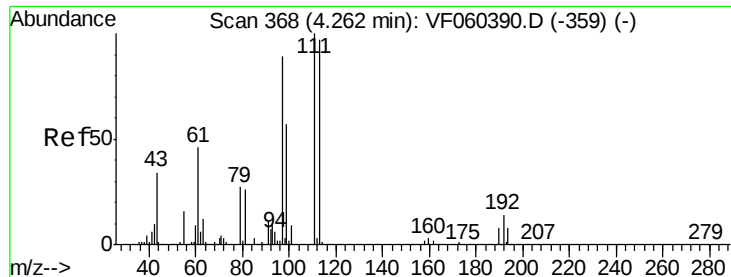


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 20.648 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

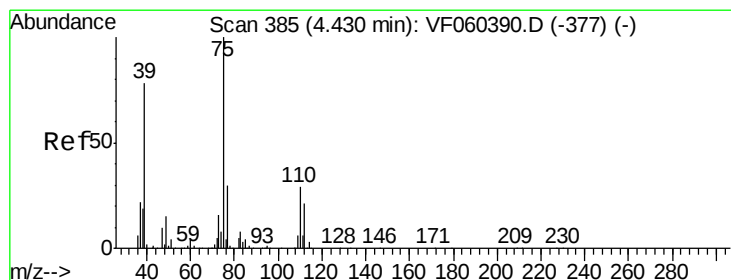
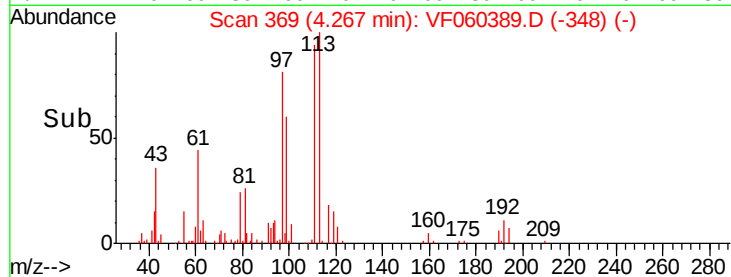
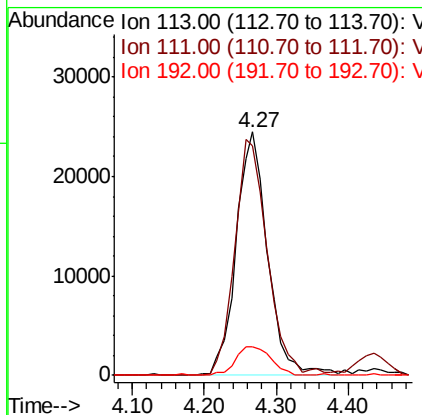
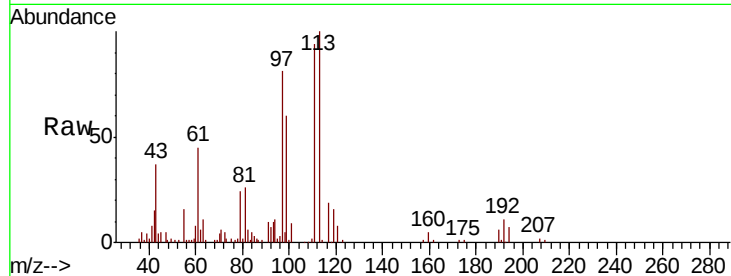
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	94.3	82.3	123.5
192	11.7	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.669 ug/l

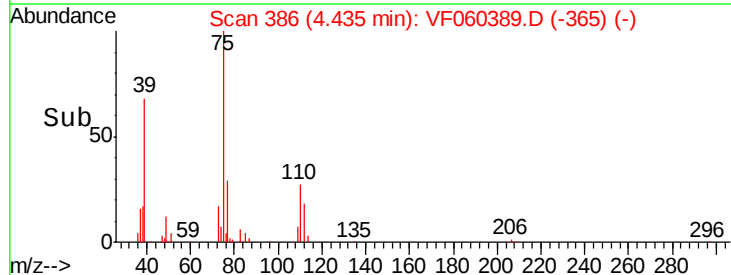
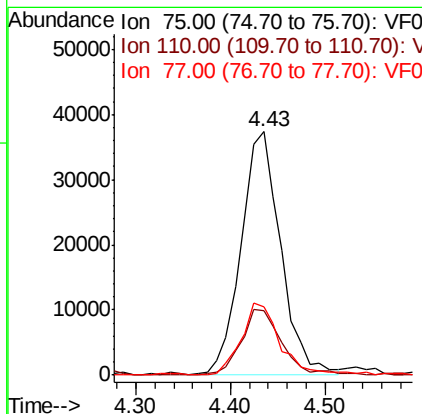
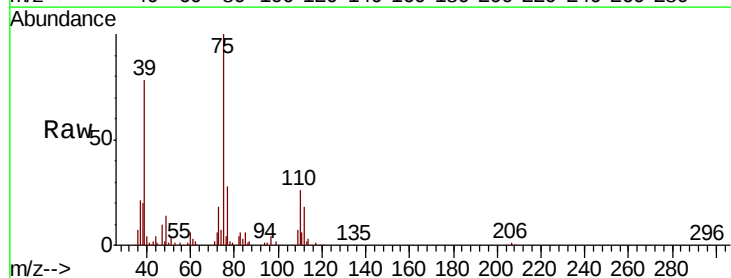
RT: 4.43 min Scan# 386

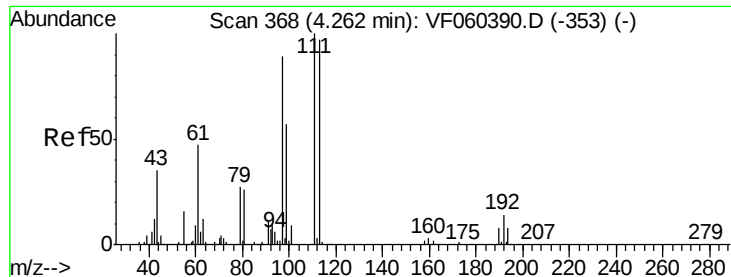
Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.3	14.5	43.6
77	28.2	24.3	36.5





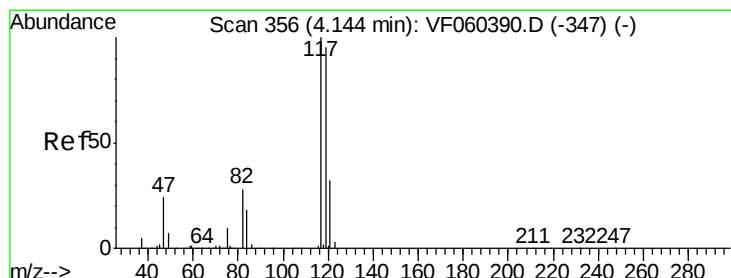
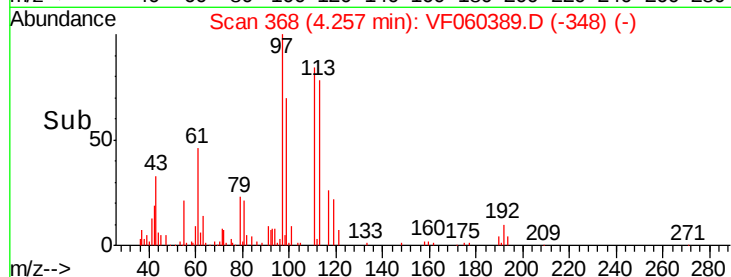
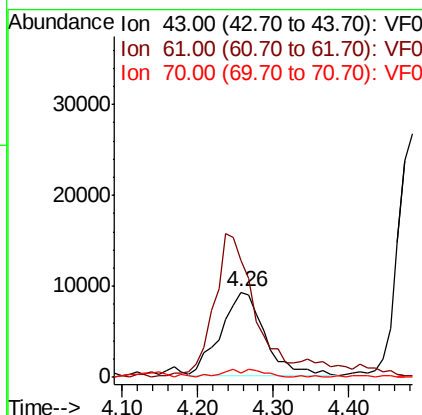
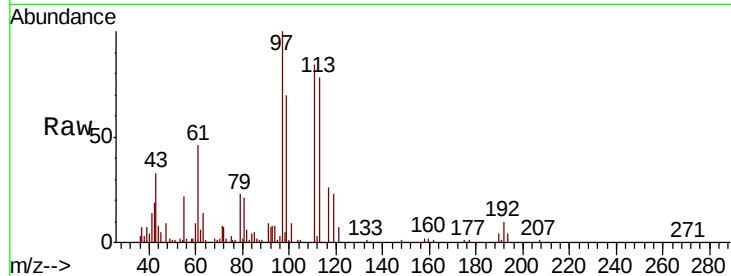
#37
Ethyl Acetate
Concen: 17.926 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70
Resp	36877	137.2	5.4
Ratio	100	105.1	8.0
Lower		157.7	12.0
Upper			

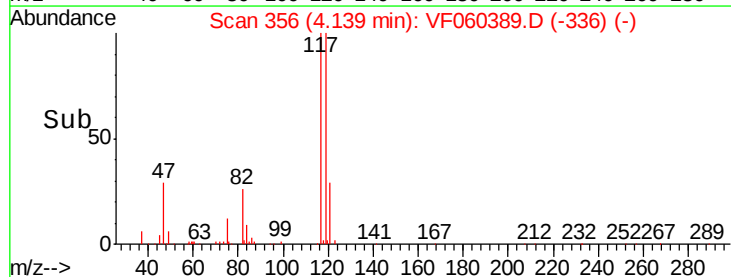
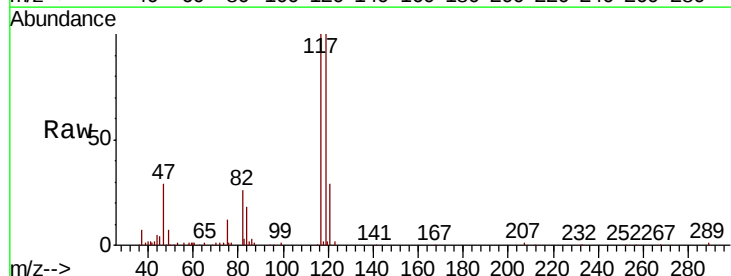
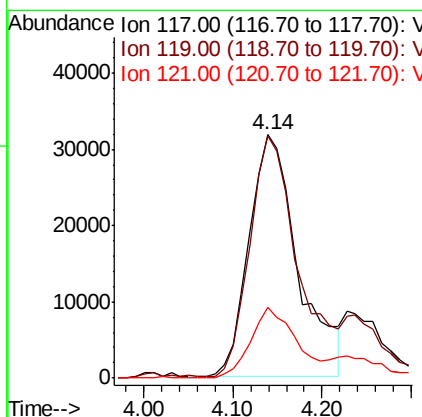
Manual Integrations
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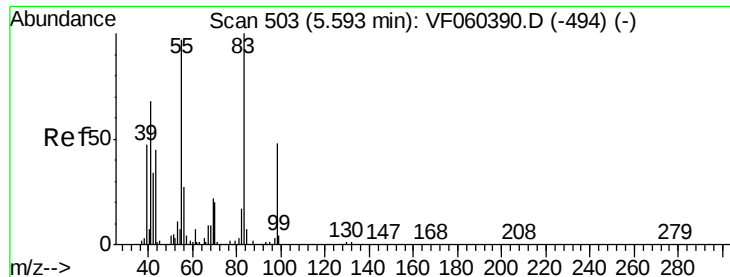
apatel
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#38
Carbon Tetrachloride
Concen: 21.583 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	117	119	121
Resp	120960	99.6	29.1
Ratio	100	75.5	25.4
Lower		113.3	38.0
Upper			





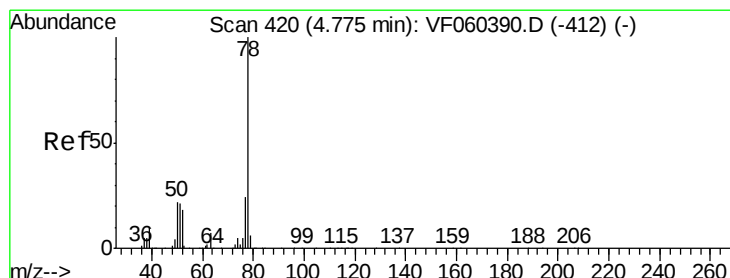
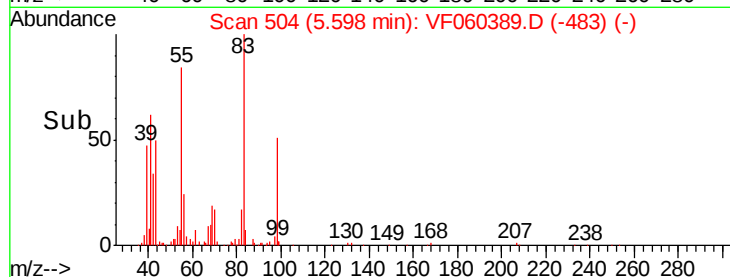
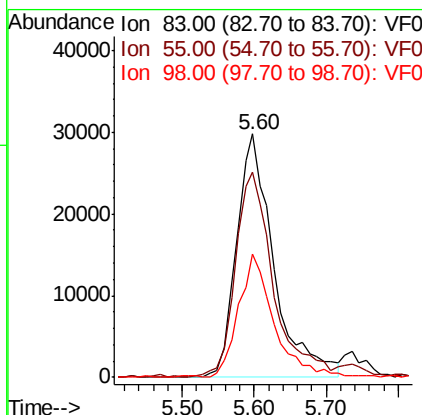
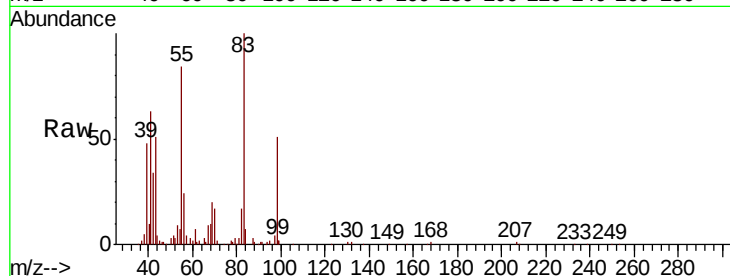
#39
Methvlcvclohexane
Concen: 20.506 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.4	77.5	116.3
98	50.7	38.7	58.1

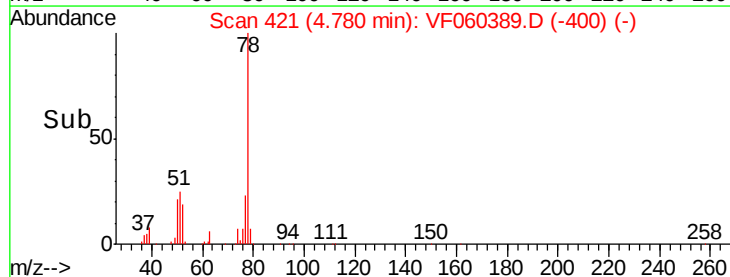
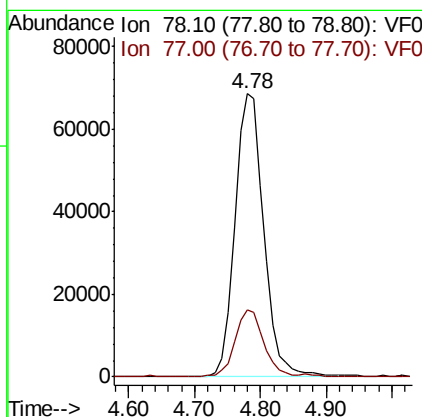
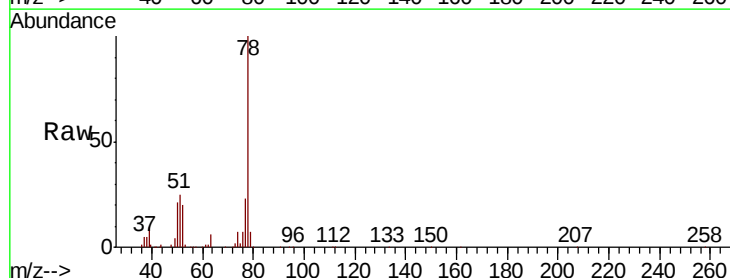
Manual Integrations
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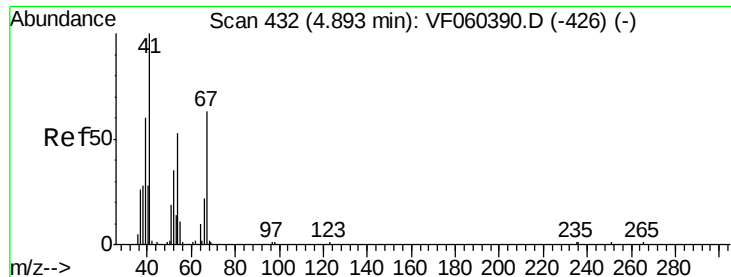
apatel
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#40
Benzene
Concen: 19.247 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





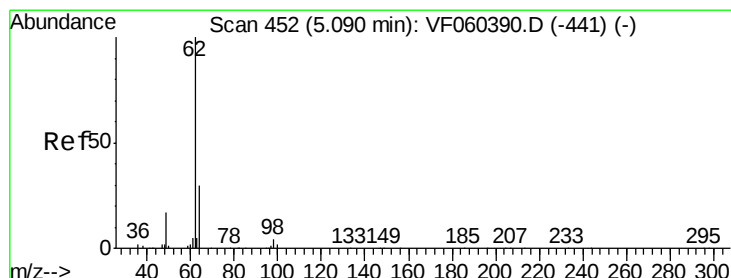
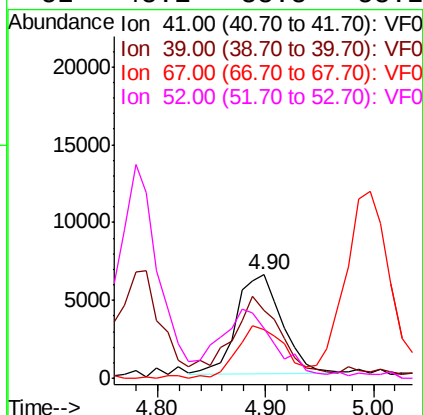
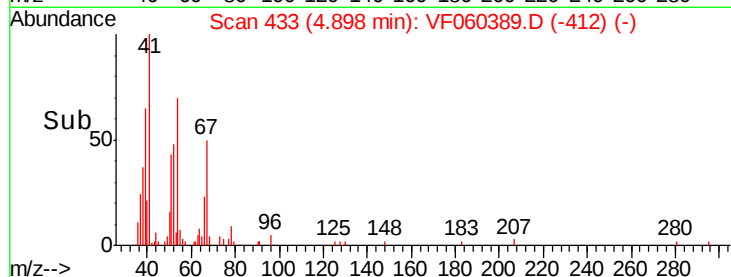
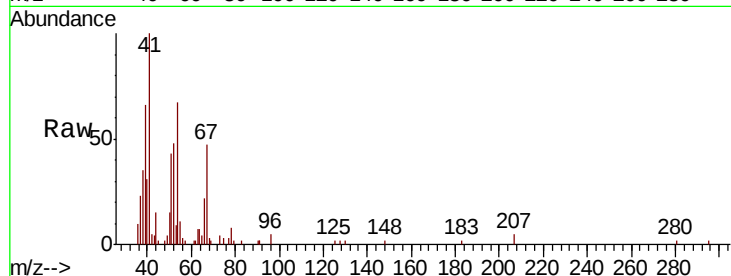
#41
Methacrylonitrile
Concen: 17.074 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18842		
39	65.9	55.0	82.4		
67	47.5	49.6	74.4#		
52	48.1	38.8	58.2		

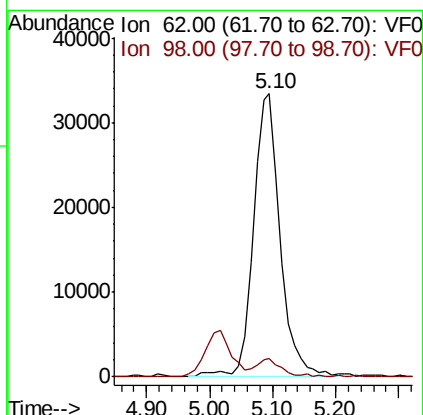
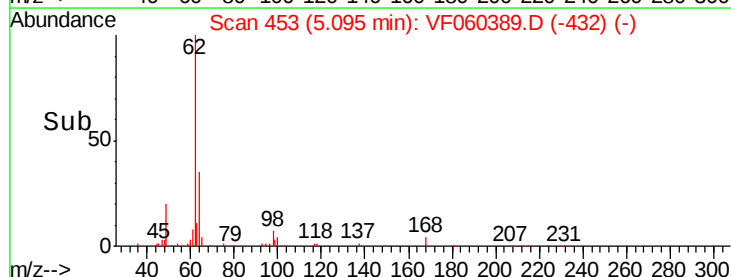
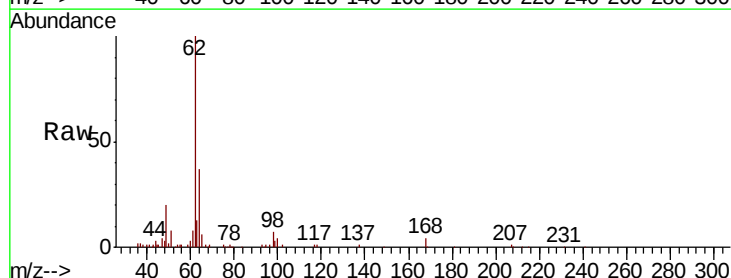
Manual Integrations
APPROVED

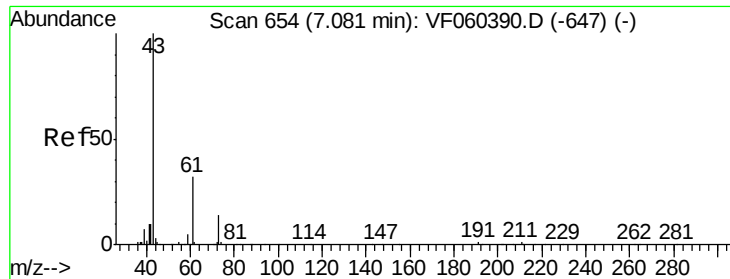
apatel
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#42
1,2-Dichloroethane
Concen: 23.379 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		99112		
98	6.5	0.0	11.2		





#43

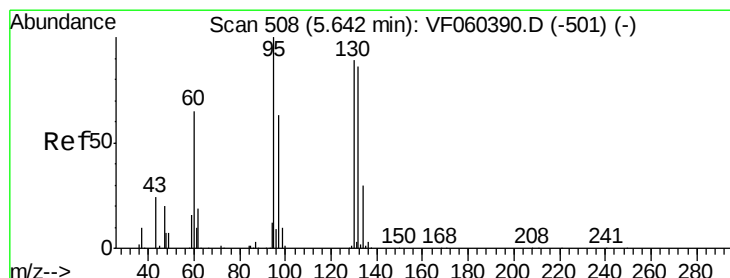
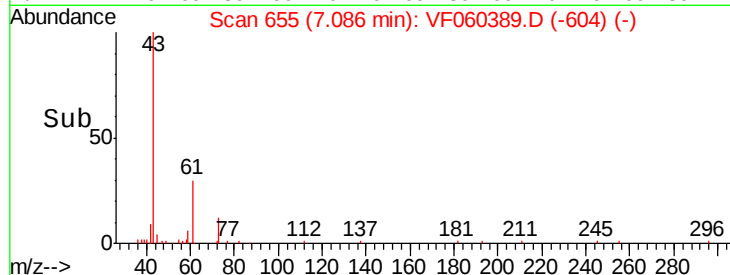
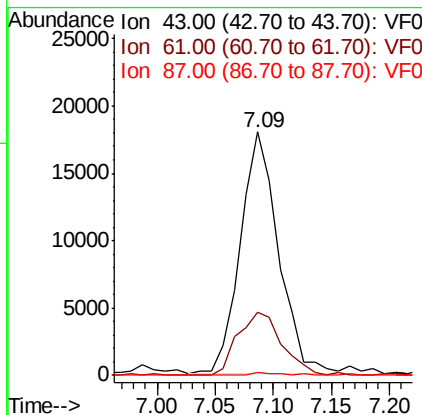
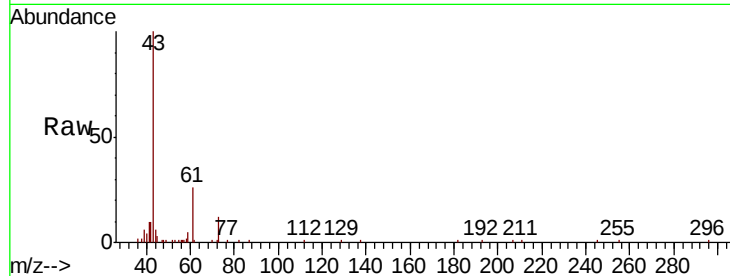
Isopropyl Acetate
 Concen: 16.313 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	25.4	38.2
87	1.3	0.3	0.5

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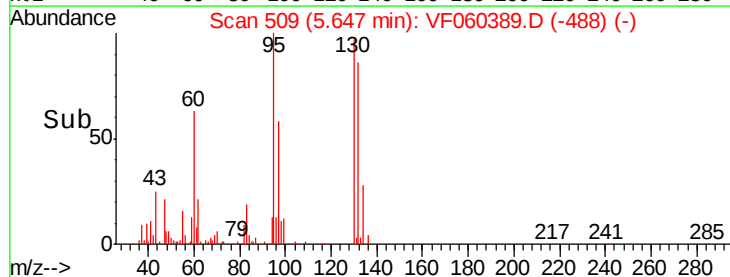
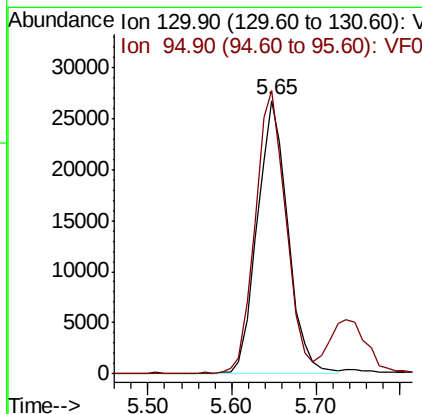
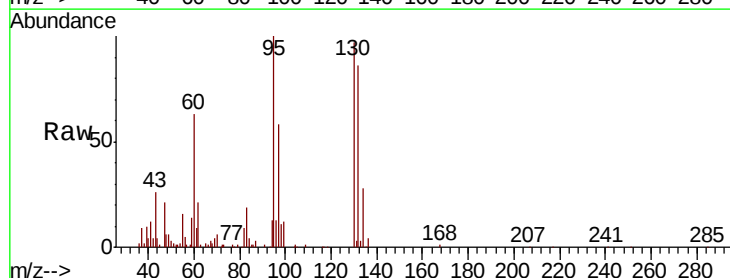
apatel
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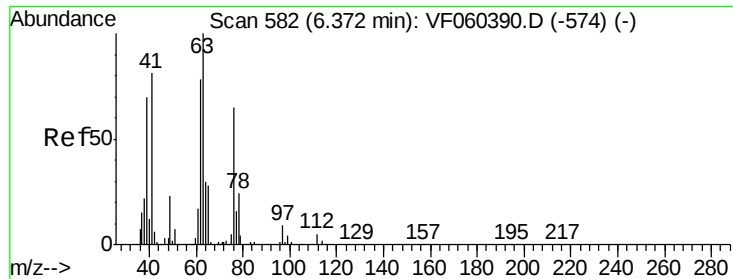


#44

Trichloroethene
 Concen: 20.942 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	224.4





#45

1,2-Dichloropropane

Concen: 18.437 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 52597

Ion Ratio Lower Upper

63 100

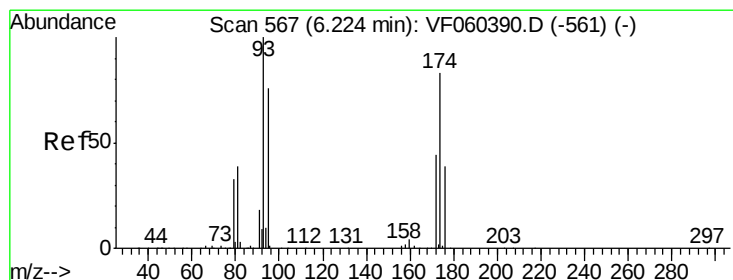
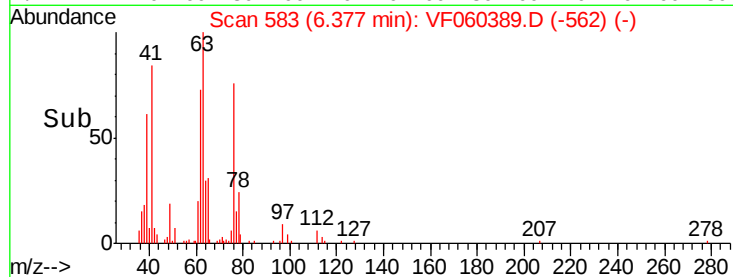
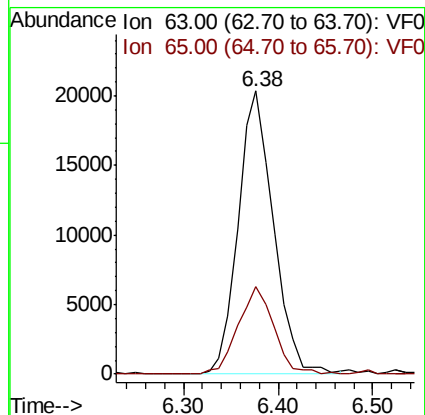
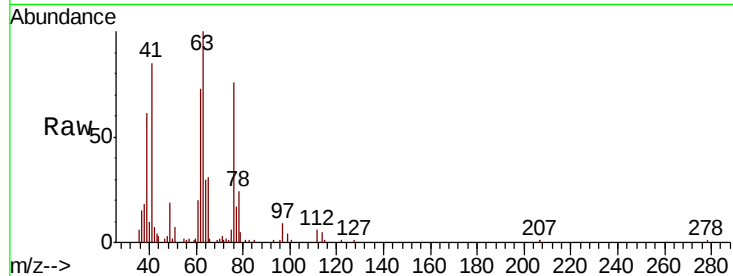
65 32.5 22.7 34.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.812 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

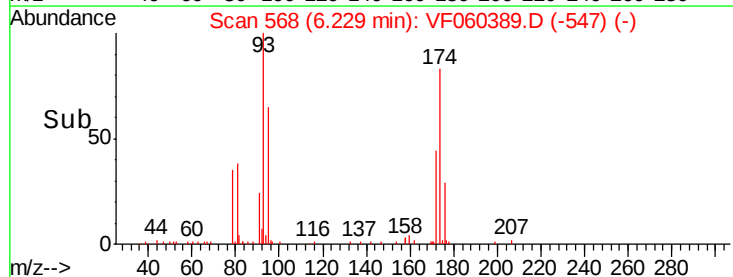
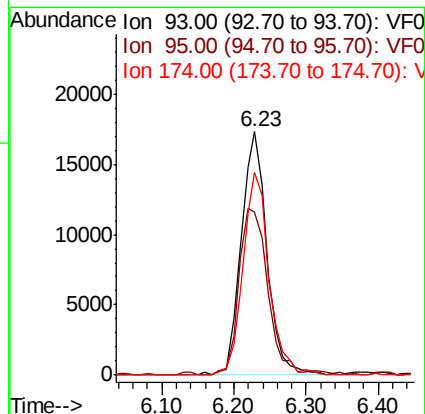
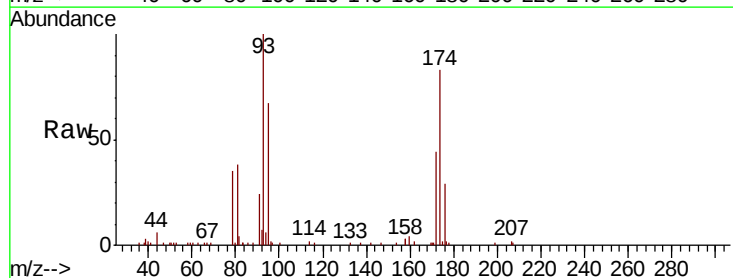
Tgt Ion: 93 Resp: 43372

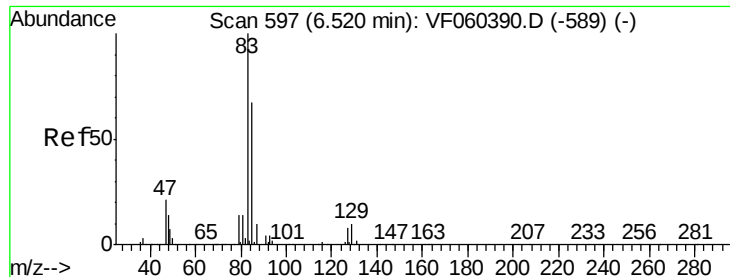
Ion Ratio Lower Upper

93 100

95 66.7 61.1 91.7

174 83.0 66.7 100.1





#47

Bromodichloromethane

Concen: 22.198 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

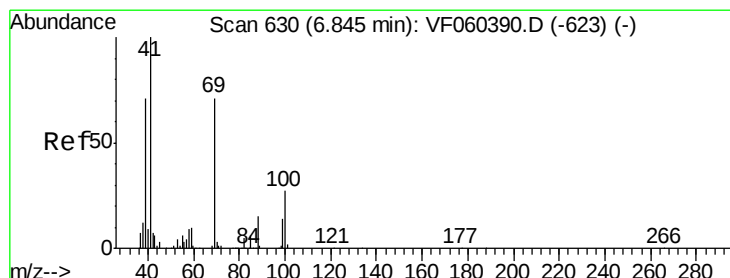
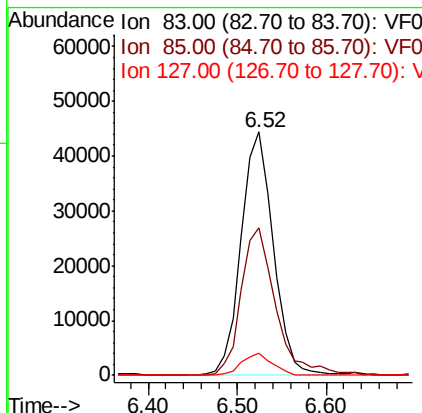
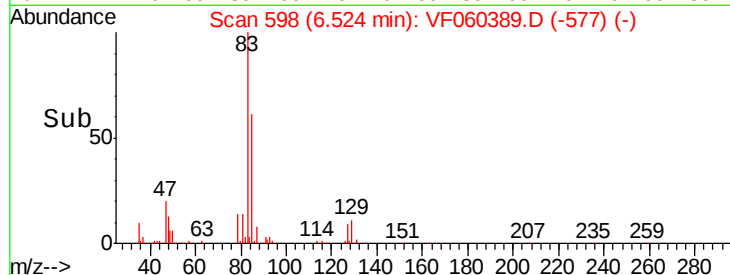
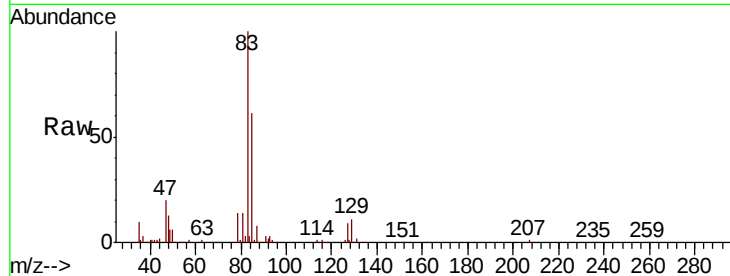
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	111709
Ion Ratio	Lower	Upper	
83	100		
85	60.7	53.2	79.8
127	9.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.372 ug/l

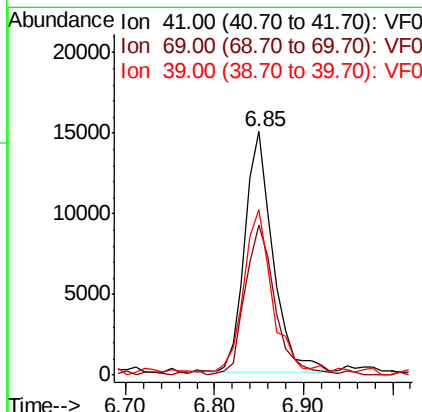
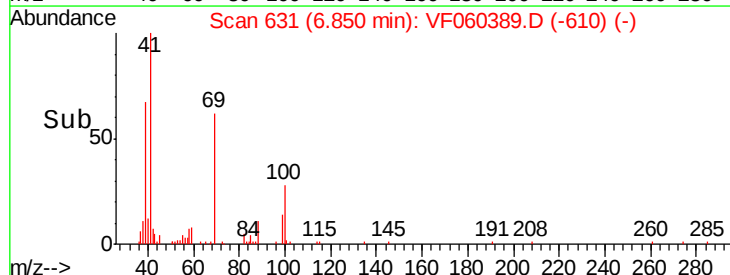
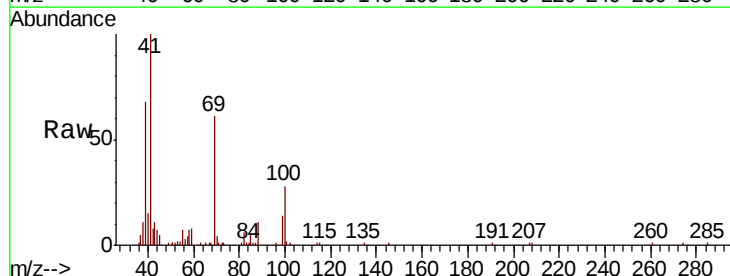
RT: 6.85 min Scan# 631

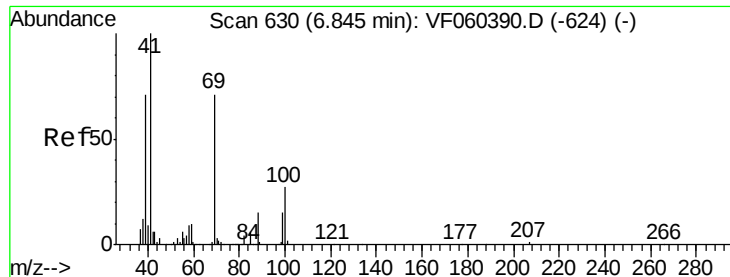
Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	41	Resp:	32396
Ion Ratio	Lower	Upper	
41	100		
69	61.5	56.3	84.5
39	67.8	56.9	85.3





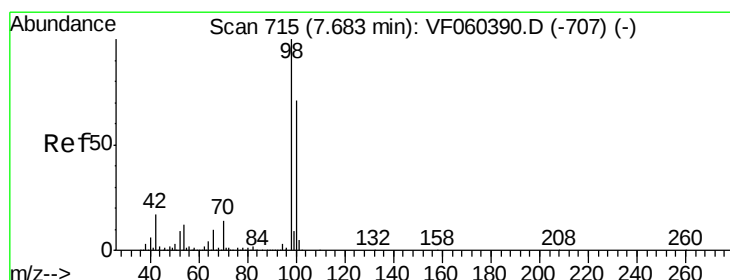
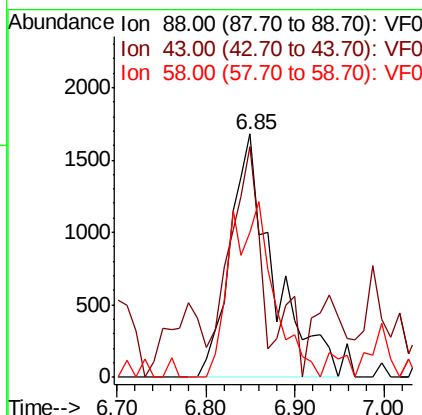
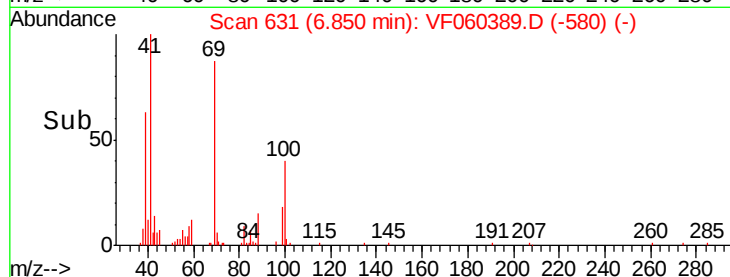
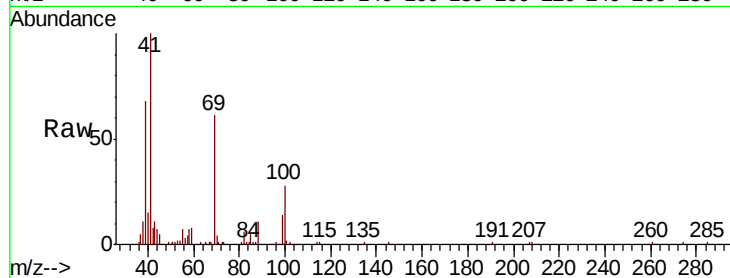
#49
1,4-Dioxane
Concen: 367.444 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	95.0	38.3	57.5#
58	59.3	47.4	71.2

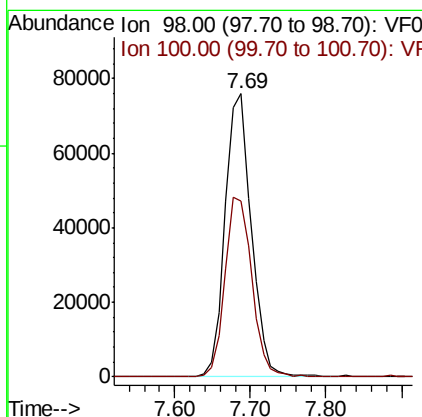
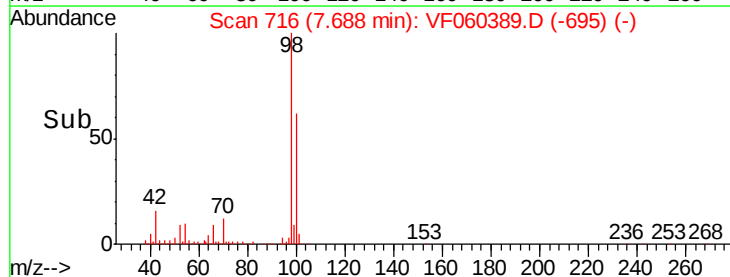
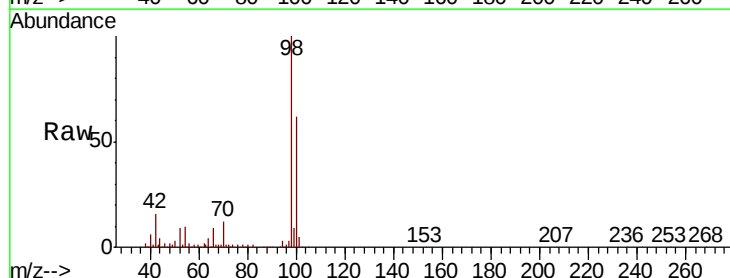
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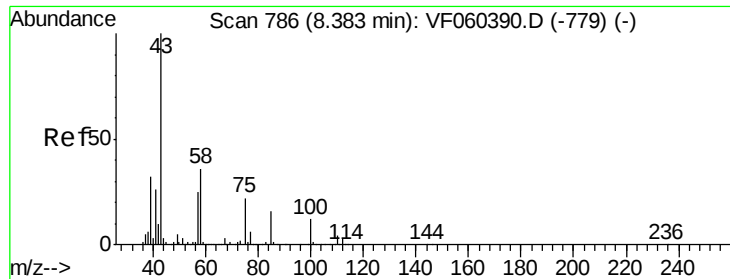
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#50
Toluene-d8
Concen: 19.741 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 83.375 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 155167

Ion Ratio Lower Upper

43 100

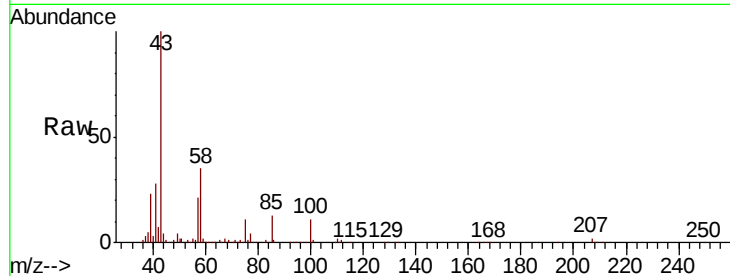
58 35.1 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

80000

60000

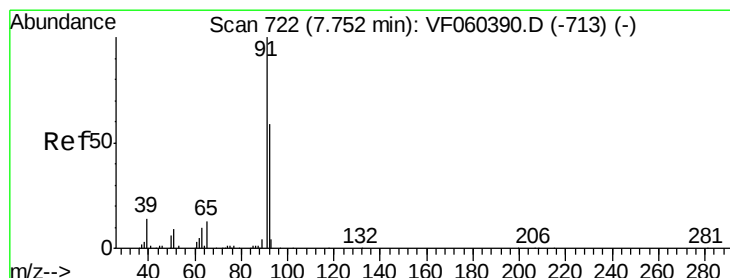
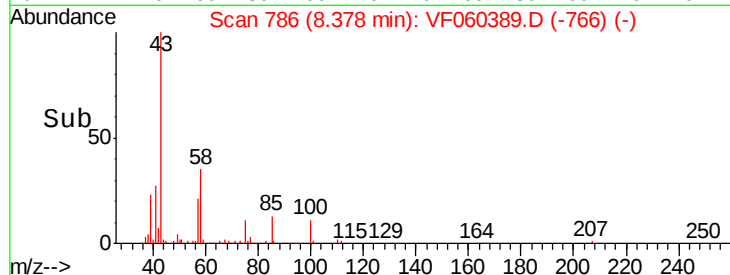
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 19.704 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060389.D

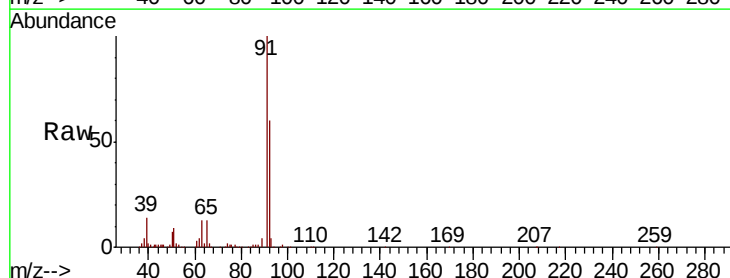
Acq: 1 Oct 2018 18:14

Tgt Ion: 92 Resp: 137685

Ion Ratio Lower Upper

92 100

91 167.4 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

100000

80000

60000

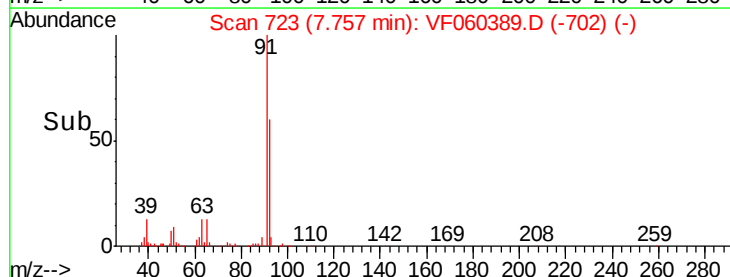
40000

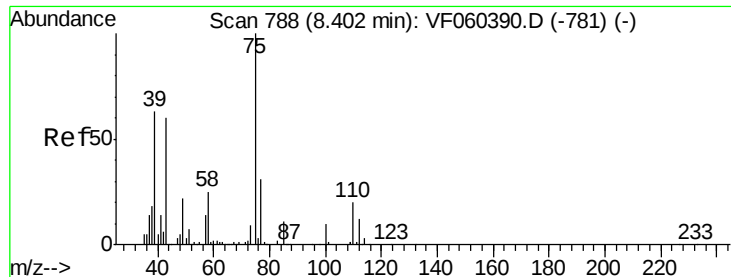
20000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.629 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 78746

Ion Ratio Lower Upper

75 100

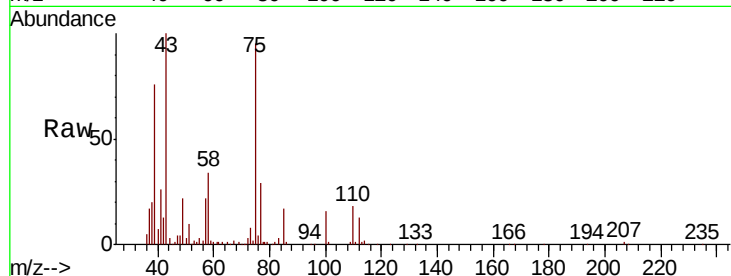
77 30.8 24.6 36.8

Manual Integrations

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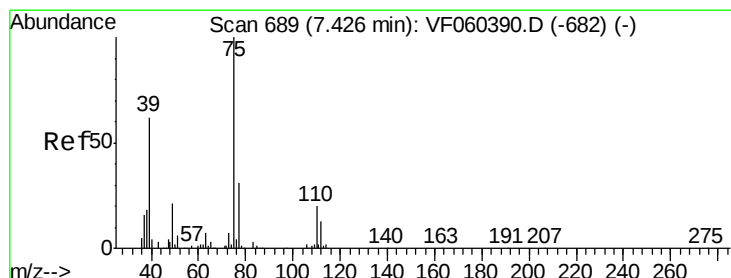
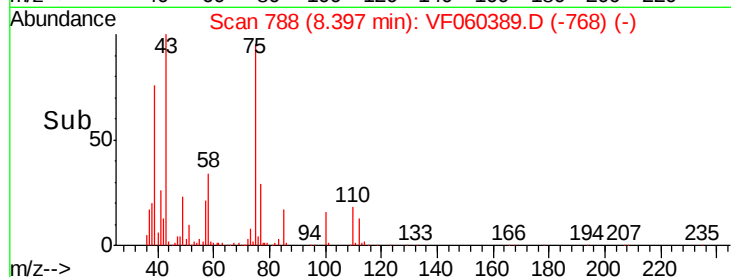
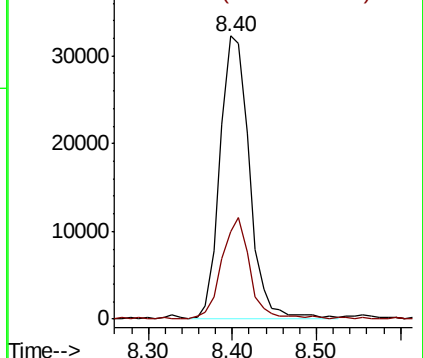
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 19.075 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

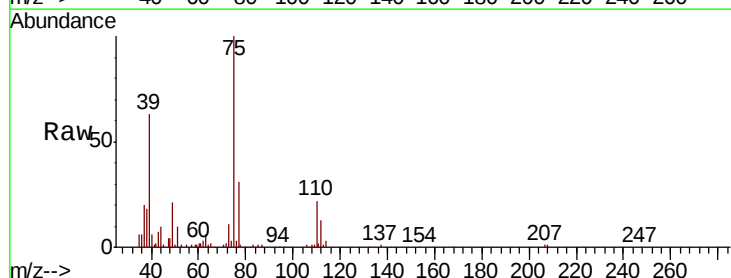
Tgt Ion: 75 Resp: 96020

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

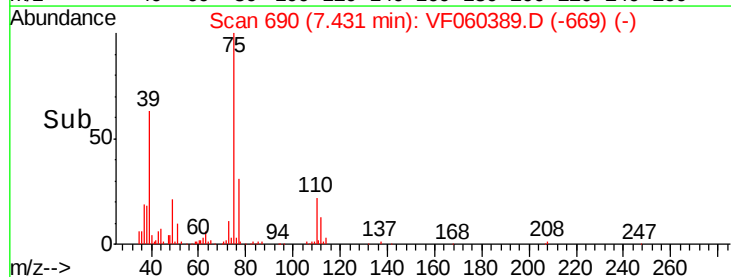
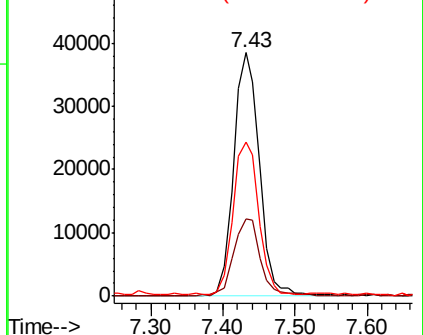
39 63.3 49.7 74.5

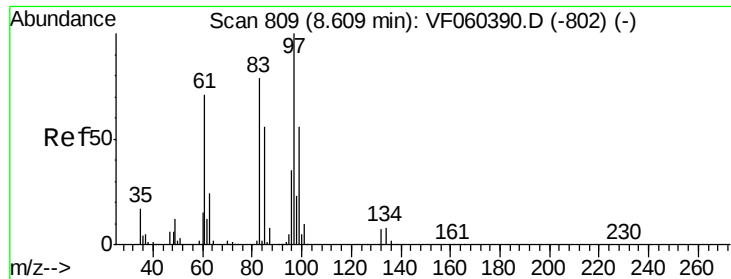


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.204 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

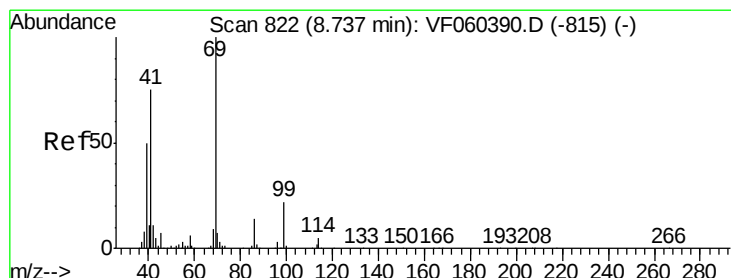
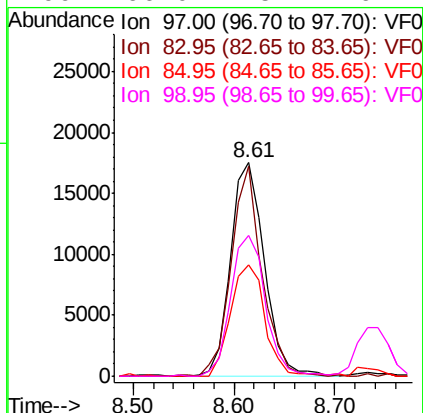
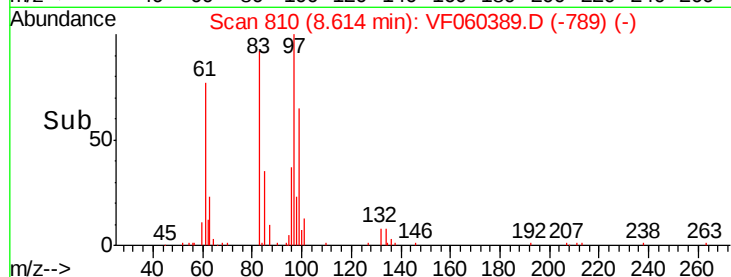
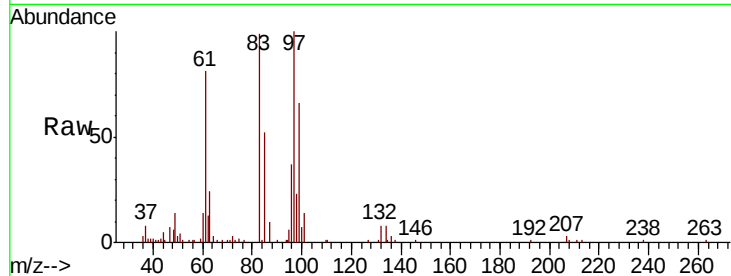
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	40716
Ion Ratio	Lower	Upper	
97	100		
83	98.6	63.4	95.0#
85	52.4	44.5	66.7
99	66.0	45.1	67.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.037 ug/l

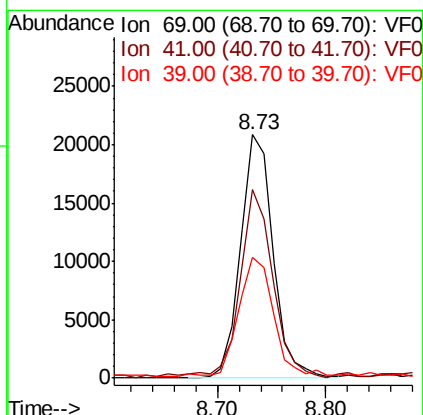
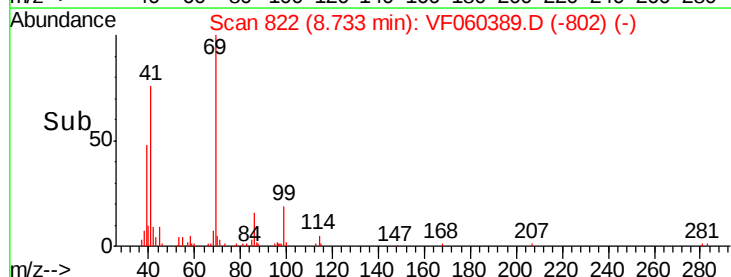
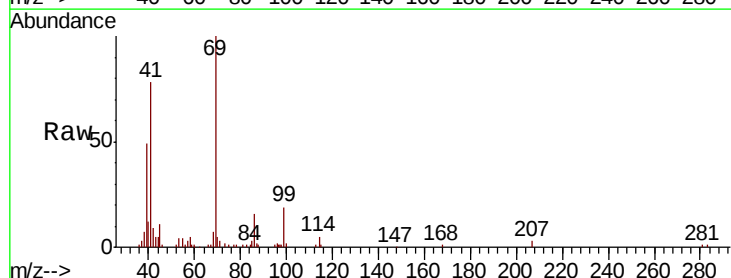
RT: 8.73 min Scan# 822

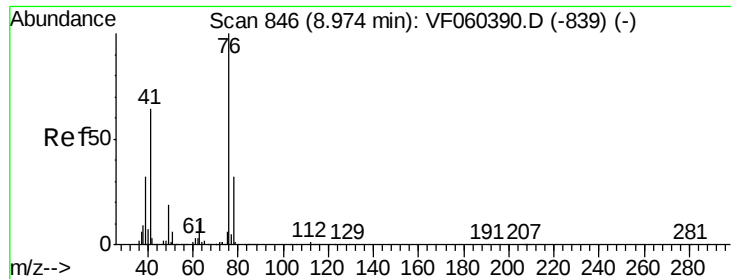
Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	69	Resp:	43673
Ion Ratio	Lower	Upper	
69	100		
41	77.5	60.2	90.4
39	49.4	40.2	60.2





#57

1,3-Dichloropropane

Concen: 19.564 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 68976

Ion Ratio Lower Upper

76 100

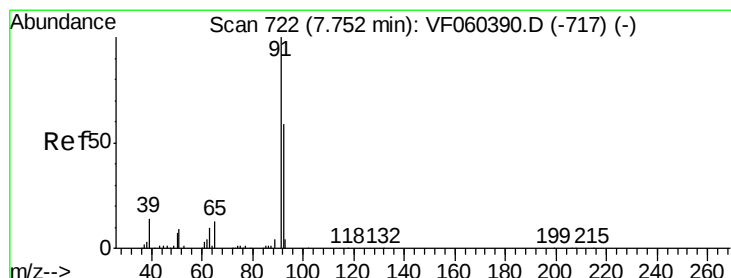
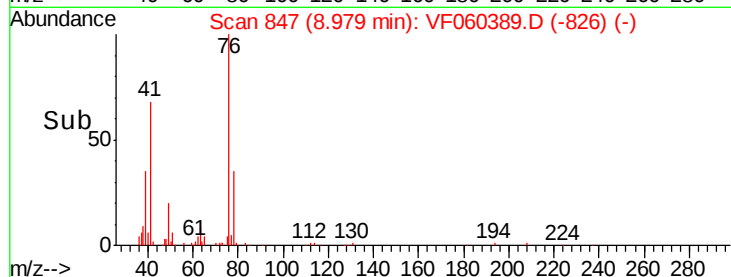
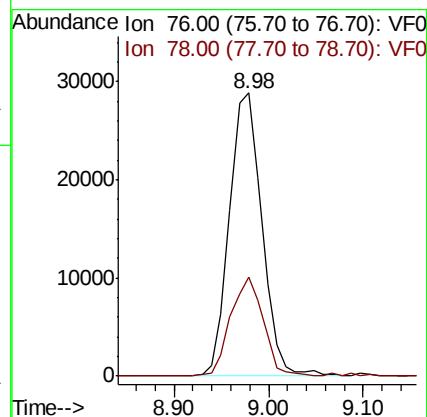
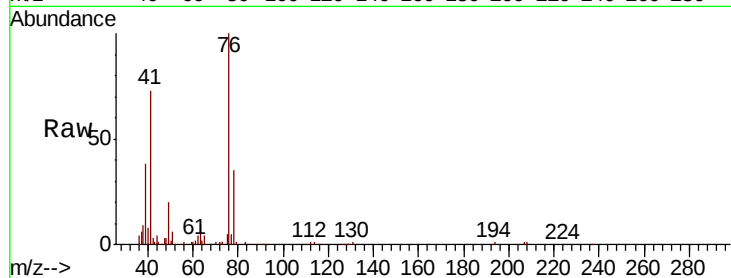
78 34.9 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 122.901 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060389.D

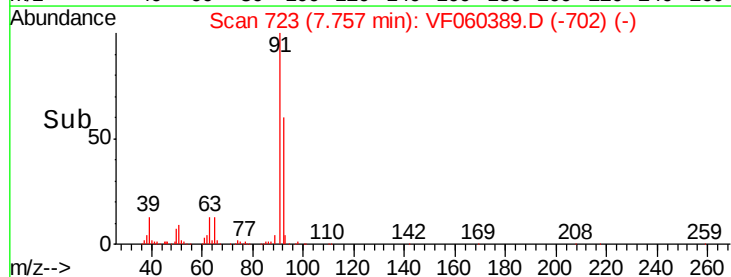
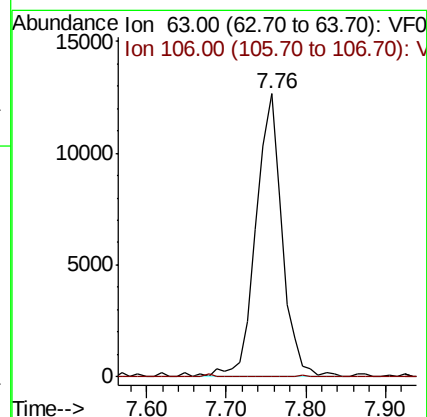
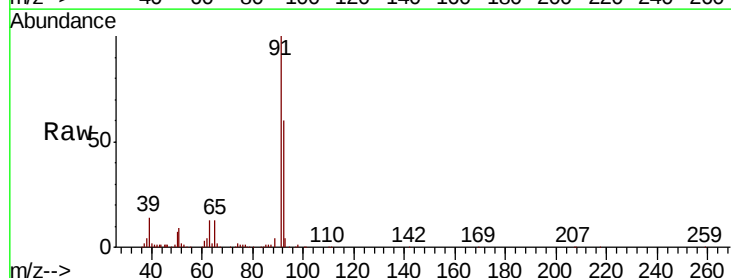
Acq: 1 Oct 2018 18:14

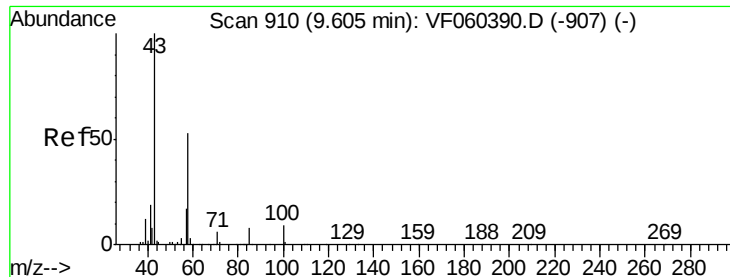
Tgt Ion: 63 Resp: 28556

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





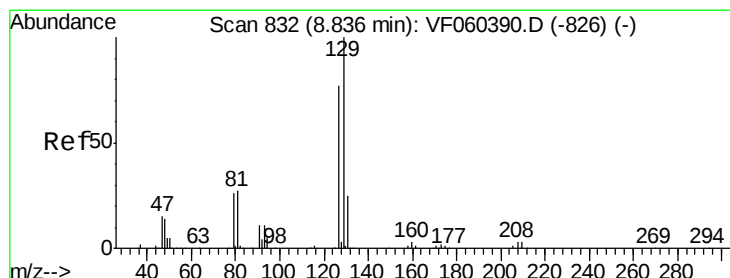
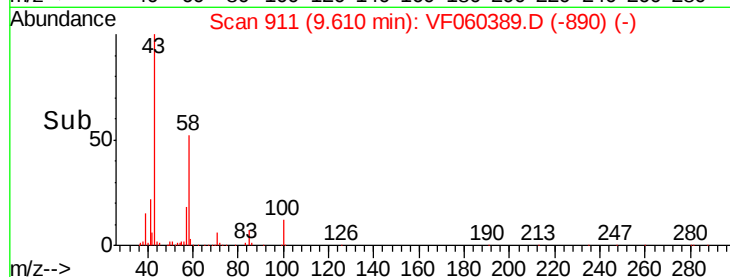
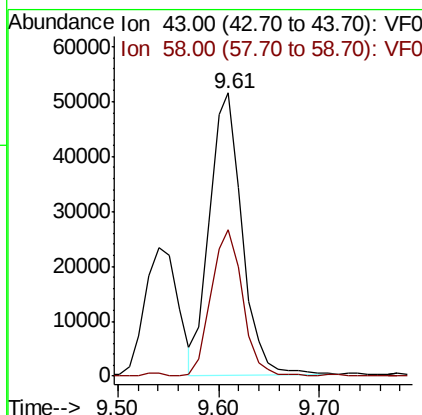
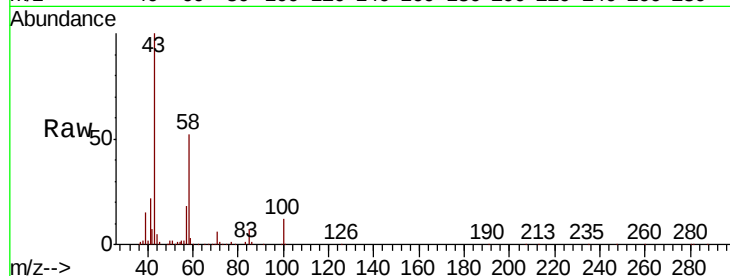
#59
2-Hexanone
Concen: 88.125 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 115968
Ion Ratio Lower Upper
43 100
58 51.8 25.6 76.6

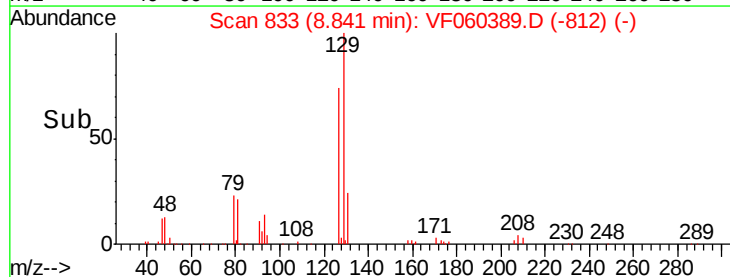
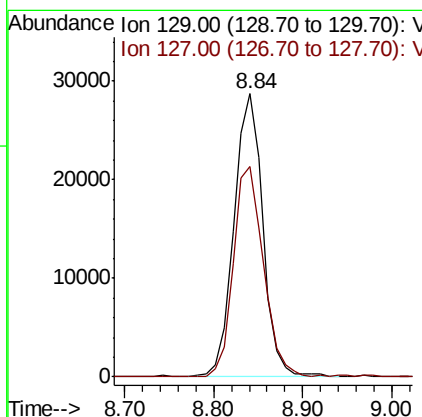
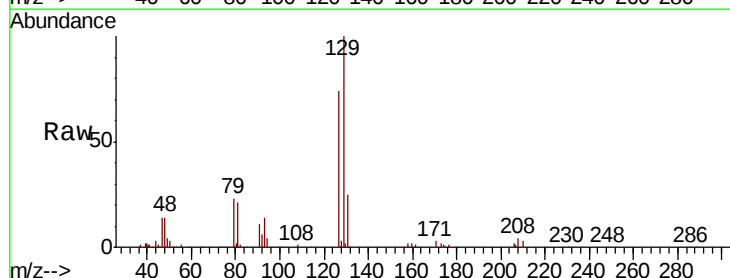
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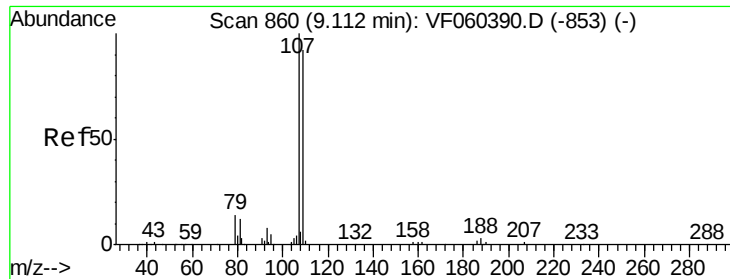
apatel
10/2/2018 12:29:25 PM



#60
Dibromochloromethane
Concen: 20.342 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion: 129 Resp: 65000
Ion Ratio Lower Upper
129 100
127 74.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.475 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 46495

Ion Ratio Lower Upper

107 100

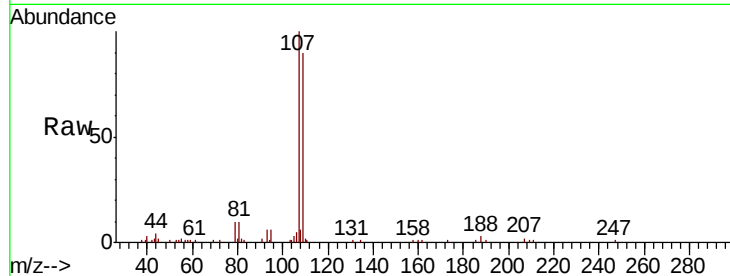
109 90.4 73.7 110.5

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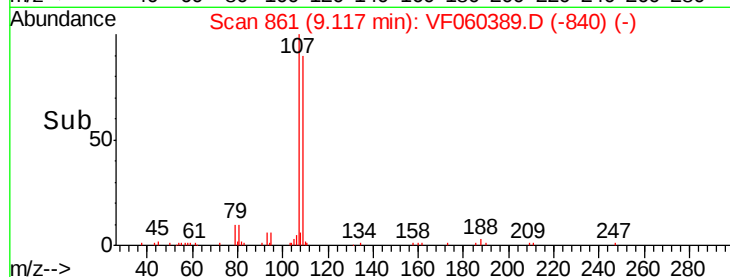
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

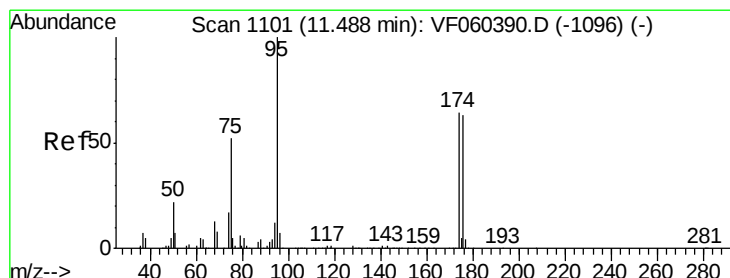


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

Time-->



#62

4-Bromofluorobenzene

Concen: 20.617 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

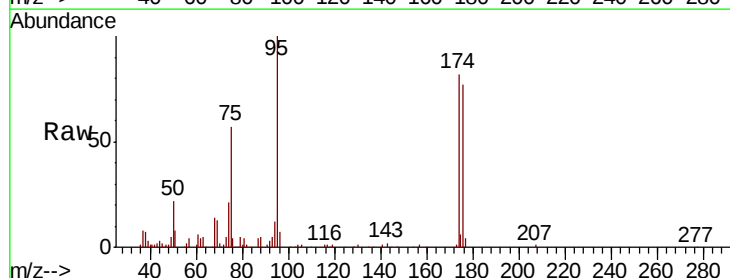
Tgt Ion: 95 Resp: 83018

Ion Ratio Lower Upper

95 100

174 81.7 0.0 129.0

176 77.5 0.0 125.6

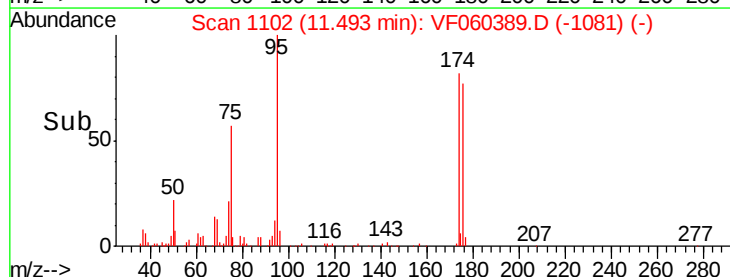


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.49



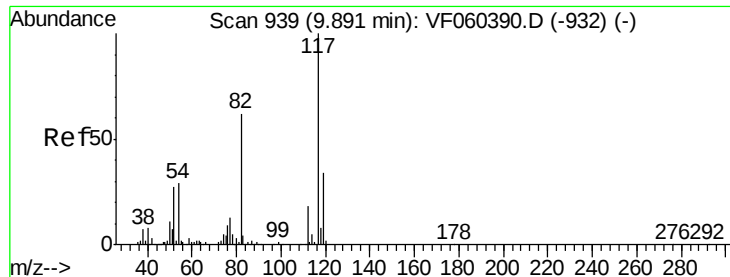
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.49

Time-->



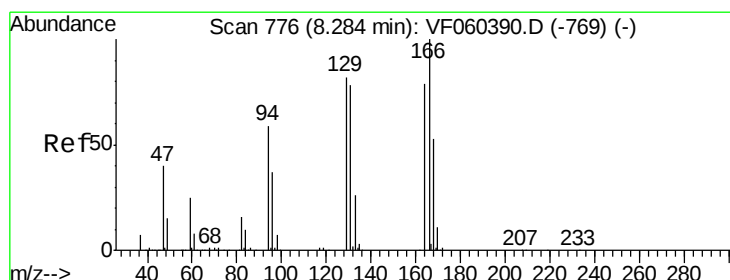
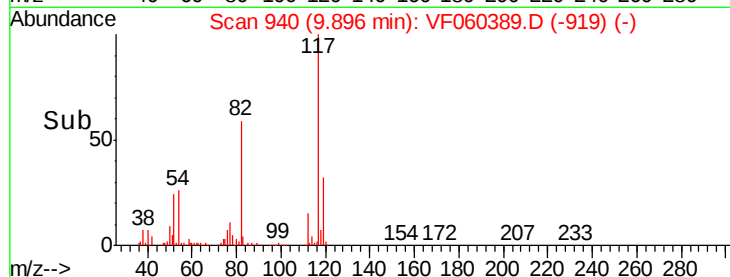
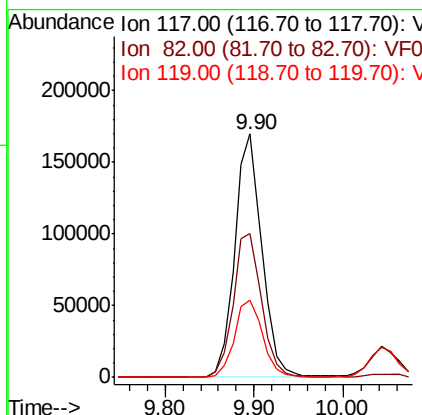
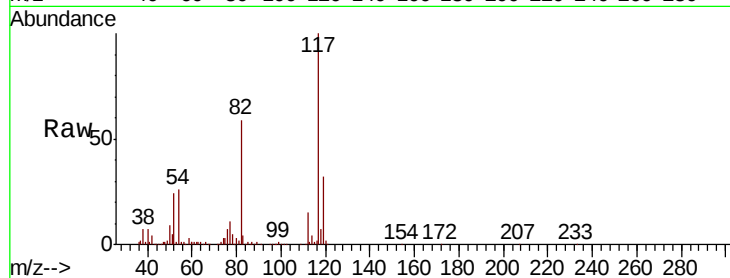
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	49.5	74.3
119	31.9	27.0	40.6

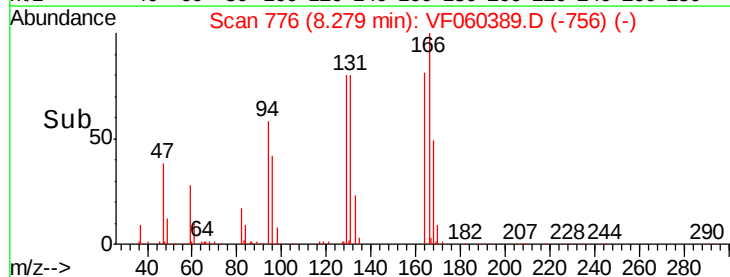
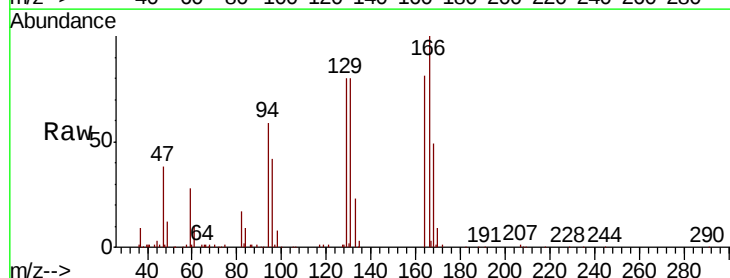
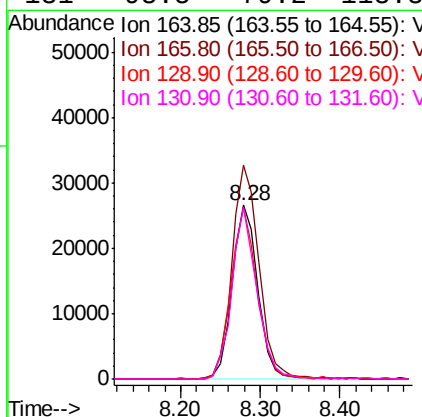
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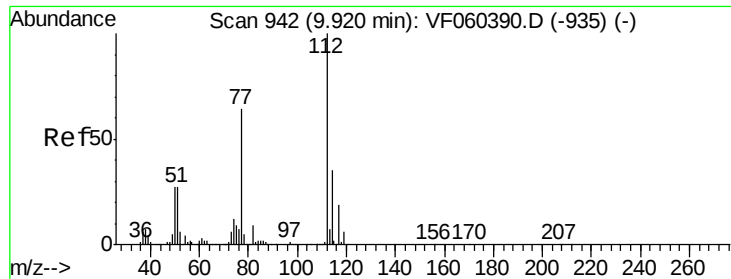
apatel
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#64
Tetrachloroethene
Concen: 18.495 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.0	151.6
129	98.8	82.5	123.7
131	98.5	79.2	118.8





#65

Chlorobenzene

Concen: 18.786 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 152596

Ion Ratio Lower Upper

112 100

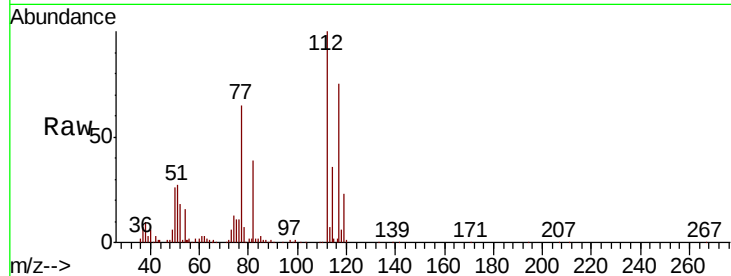
114 35.7 27.7 41.5

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

80000

60000

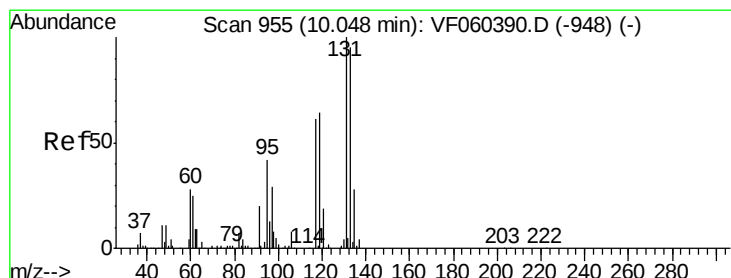
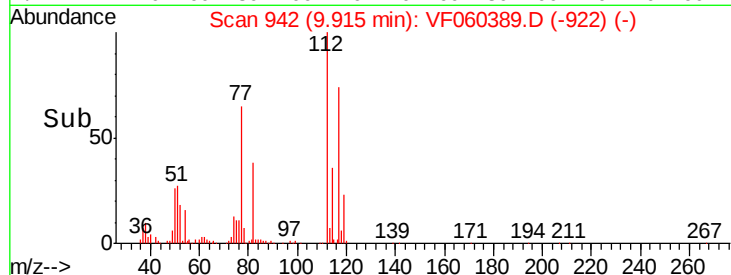
40000

20000

0

9.80 9.90 10.00 10.10

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.503 ug/l

RT: 10.04 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

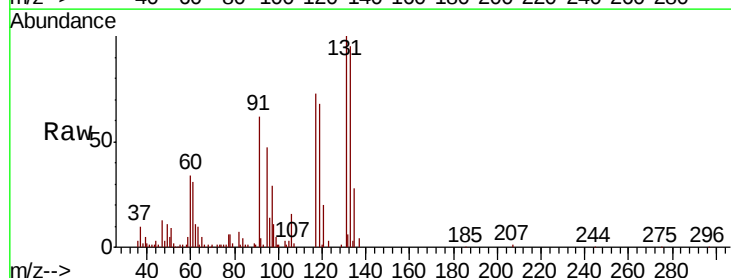
Tgt Ion:131 Resp: 70129

Ion Ratio Lower Upper

131 100

133 95.2 47.3 141.8

119 67.8 32.3 96.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

40000

30000

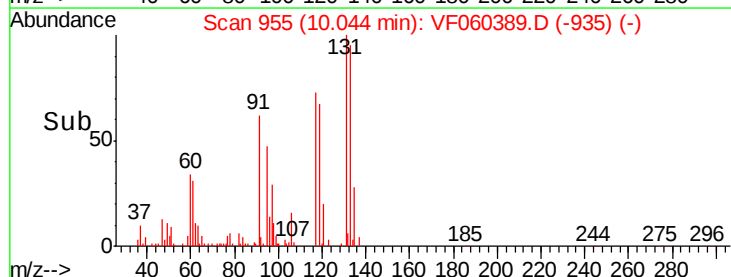
20000

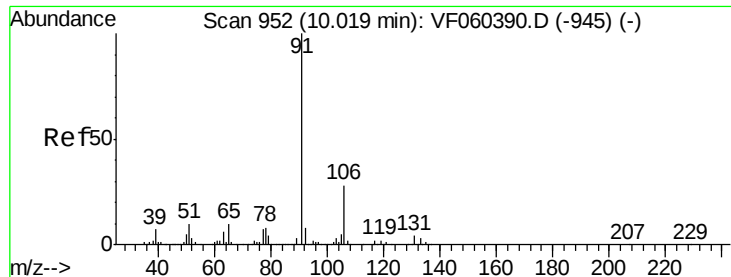
10000

0

10.00 10.10

Time-->





#67

Ethyl Benzene

Concen: 19.556 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 295032

Ion Ratio Lower Upper

91 100

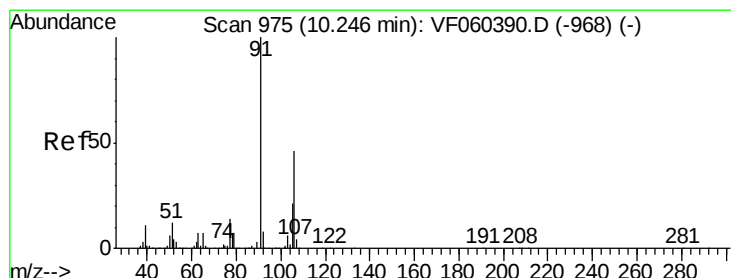
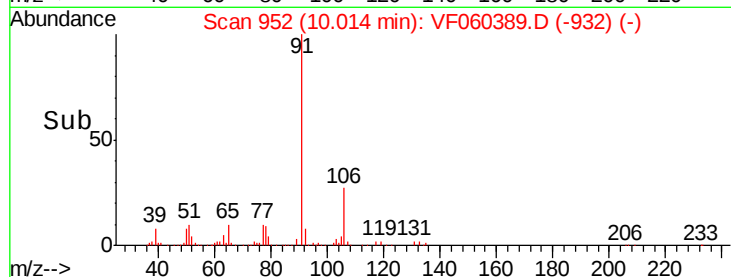
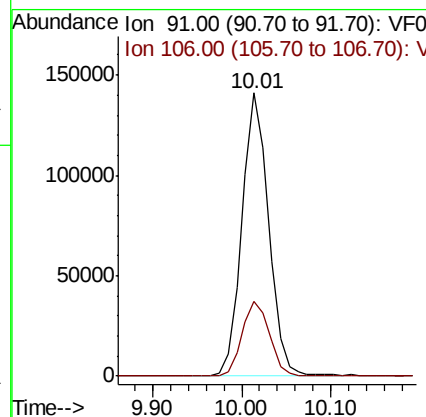
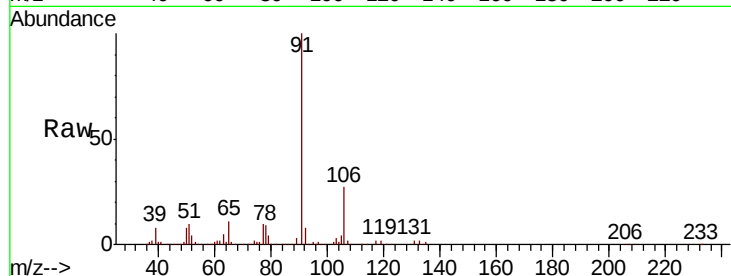
106 26.5 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.127 ug/l

RT: 10.24 min Scan# 975

Delta R.T. -0.00 min

Lab File: VF060389.D

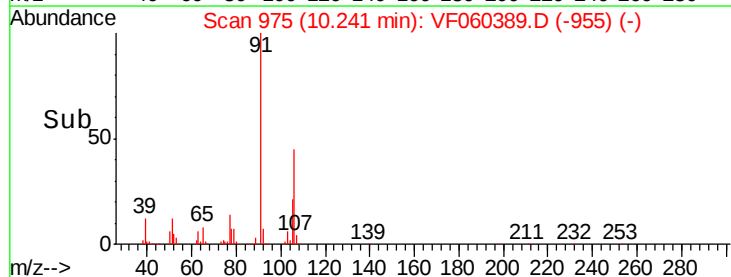
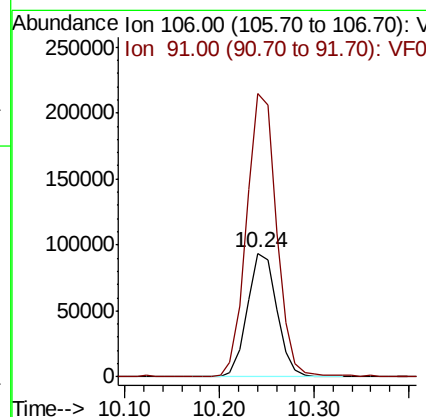
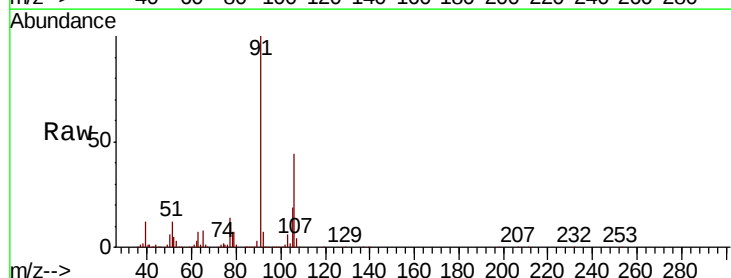
Acq: 1 Oct 2018 18:14

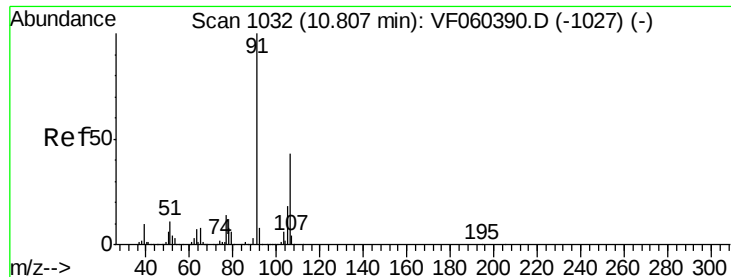
Tgt Ion: 106 Resp: 203751

Ion Ratio Lower Upper

106 100

91 229.0 175.0 262.6





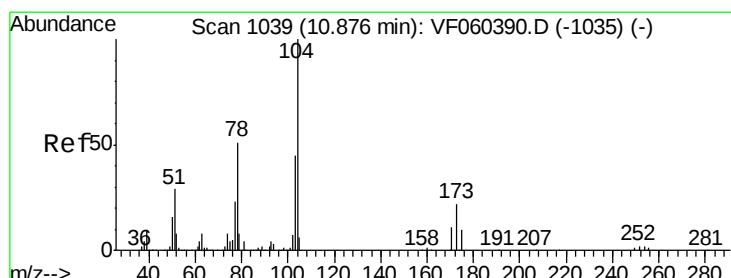
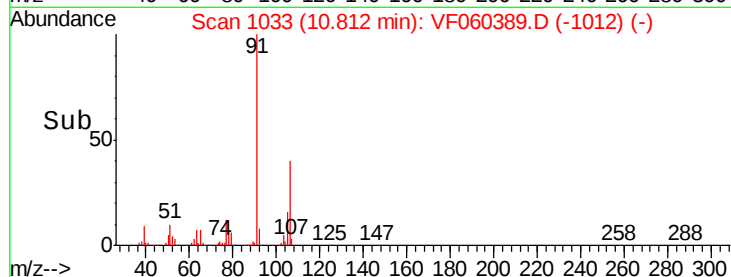
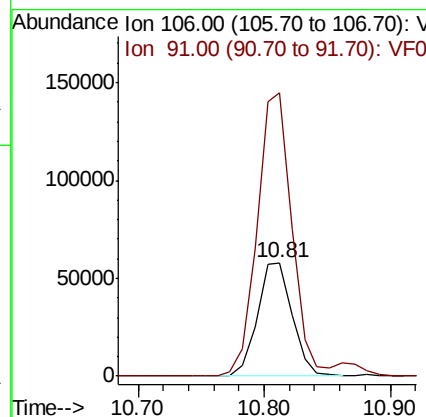
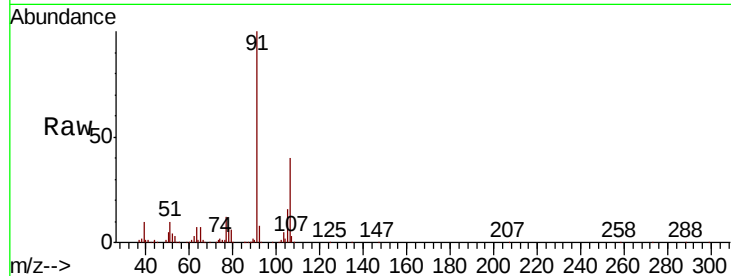
#69
o-Xylene
Concen: 19.203 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 111913
Ion Ratio Lower Upper
106 100
91 250.1 115.1 345.2

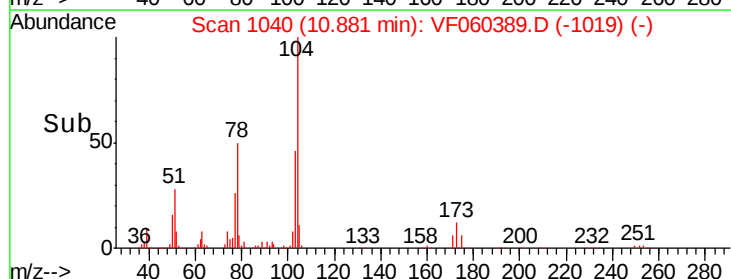
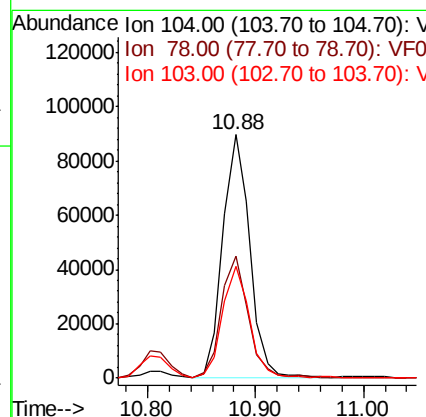
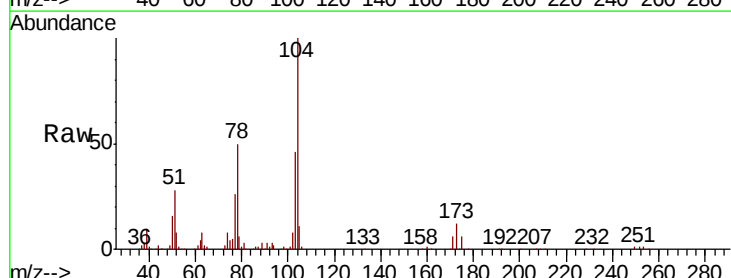
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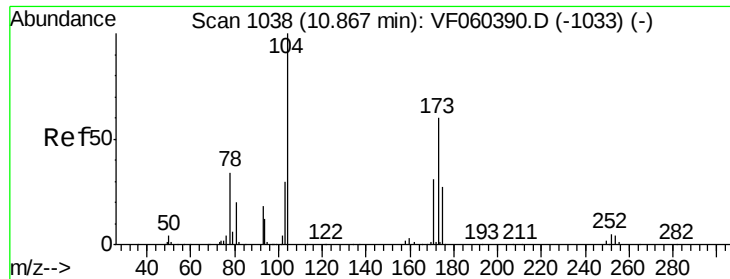
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#70
Styrene
Concen: 19.060 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion:104 Resp: 156236
Ion Ratio Lower Upper
104 100
78 50.2 41.0 61.4
103 45.7 36.4 54.6





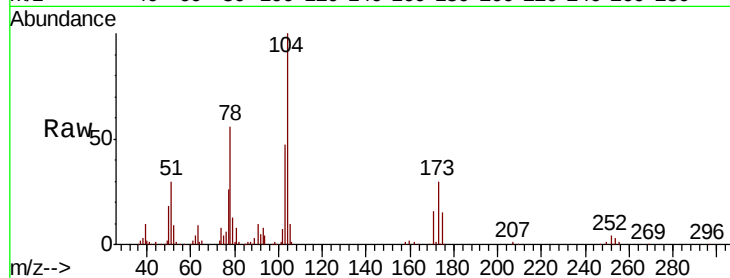
#71
Bromoform
Concen: 18.448 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.2	22.1	66.1
254	0.0	0.0	0.0

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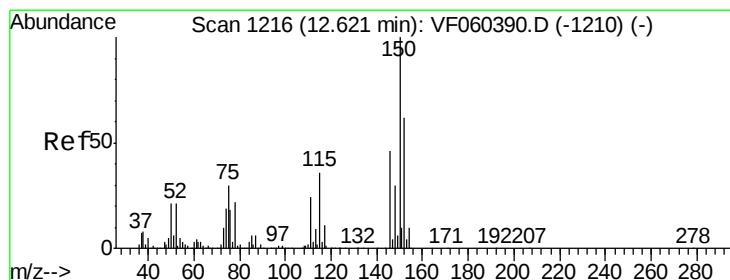
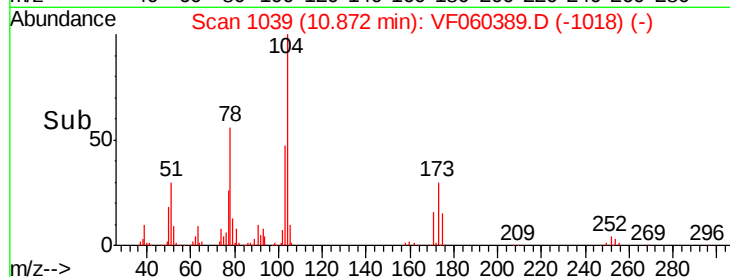
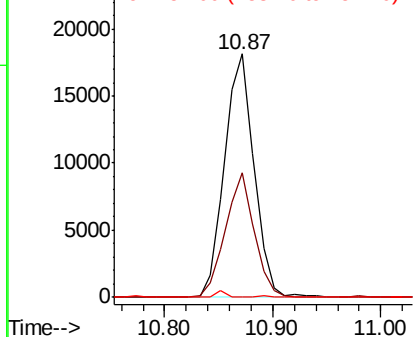


Abundance

Ion 173.00 (172.70 to 173.70): V

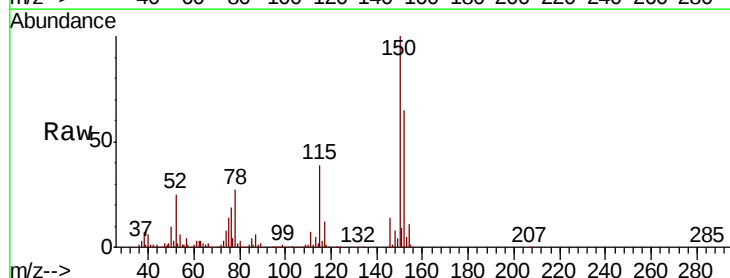
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	28.6	85.8
150	154.1	0.0	324.6

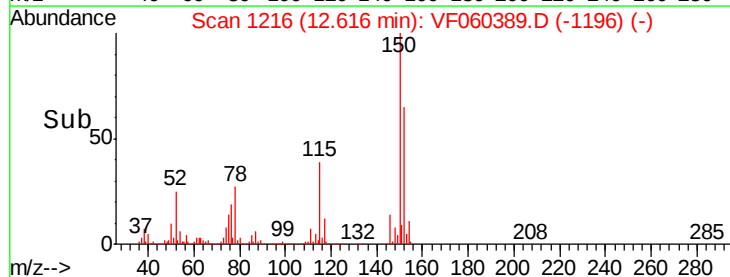
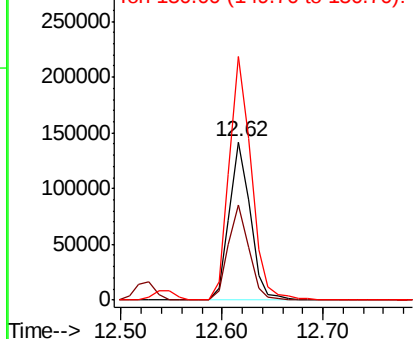


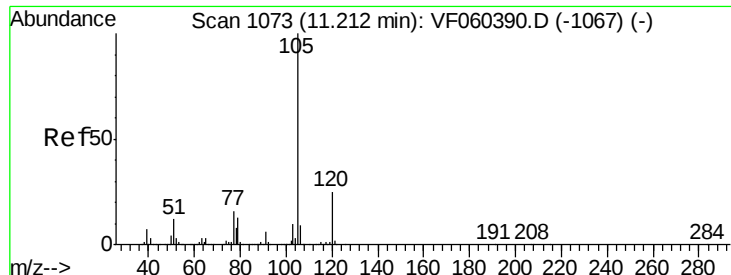
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.207 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 352075

Ion Ratio Lower Upper

105 100

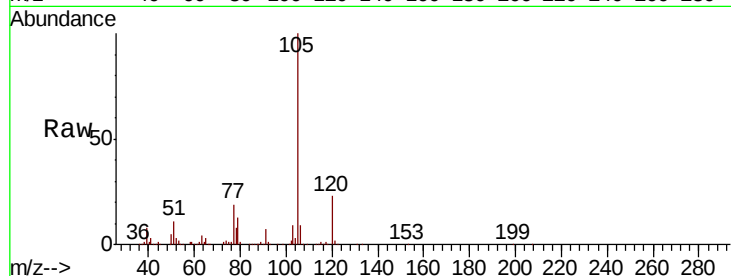
120 23.2 12.3 36.9

Manual Integrations

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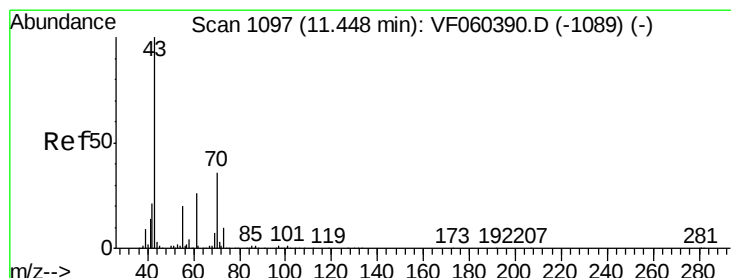
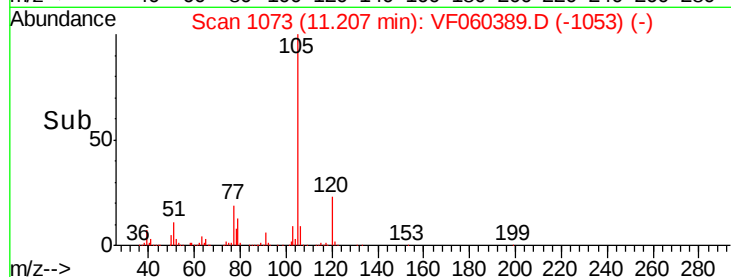
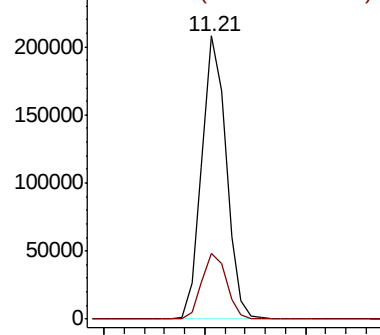
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.869 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion: 43 Resp: 70961

Ion Ratio Lower Upper

43 100

70 32.3 29.1 43.7

55 20.3 16.3 24.5

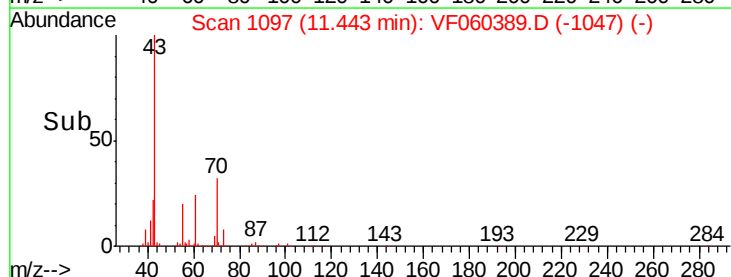
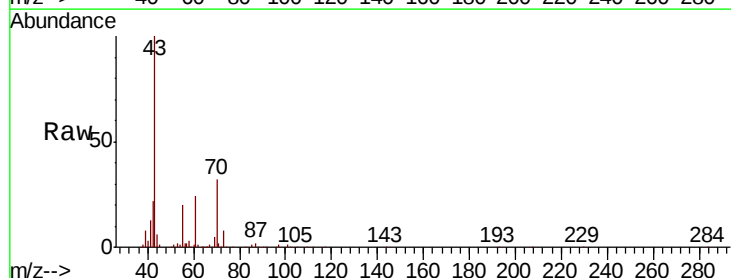
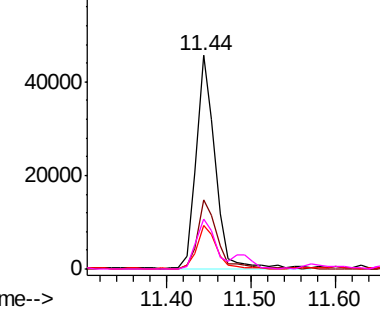
61 23.7 21.0 31.4

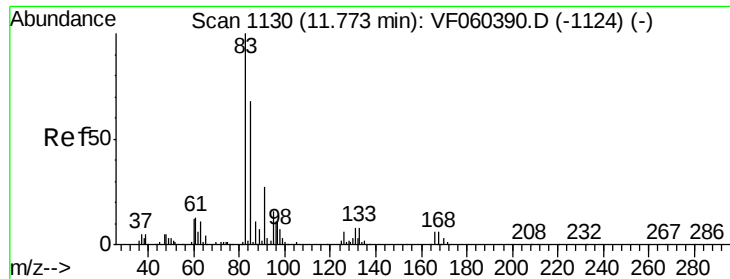
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.964 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

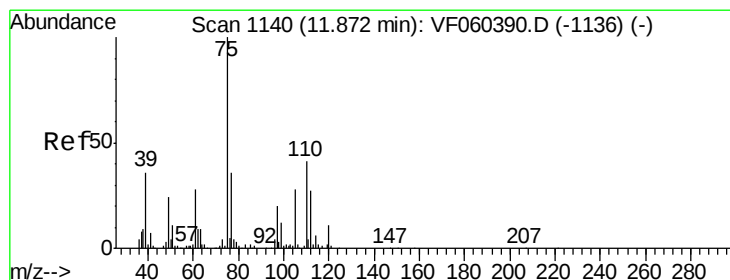
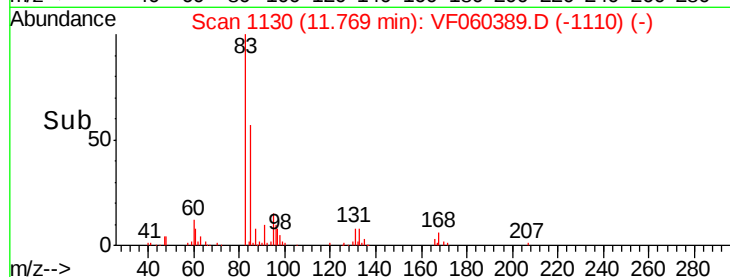
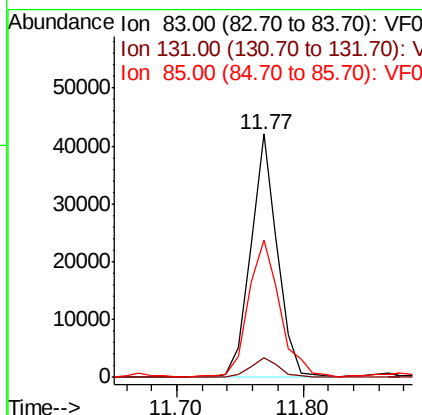
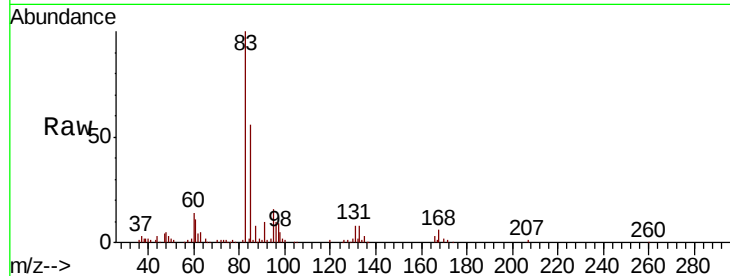
ClientSampleId :

VSTDIC020

Tot Ion	83	Resp	61708
Ion Ratio	100	Lower	Upper
83	100		
131	8.1	4.0	12.0
85	56.5	34.0	102.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.333 ug/l

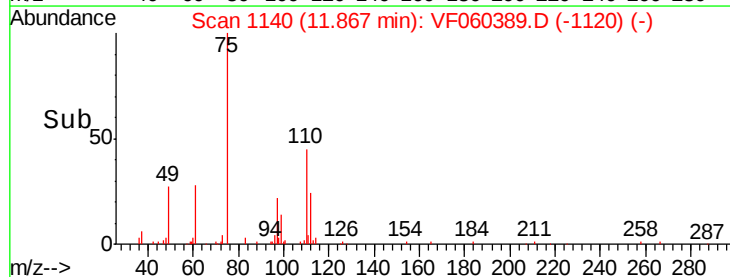
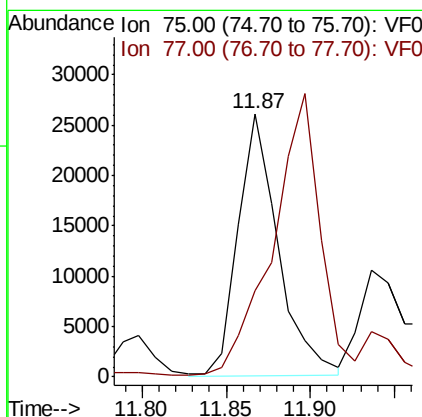
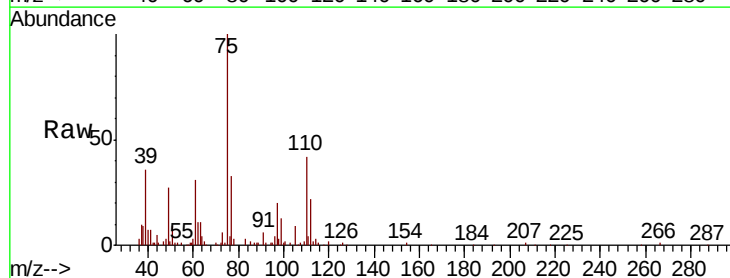
RT: 11.87 min Scan# 1140

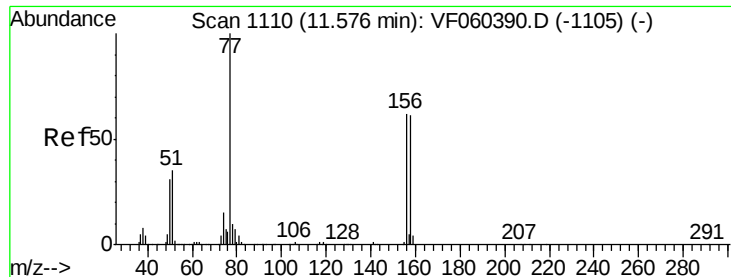
Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion	75	Resp	43159
Ion Ratio	100	Lower	Upper
75	100		
77	32.9	18.1	54.4





#77

Bromobenzene

Concen: 18.515 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

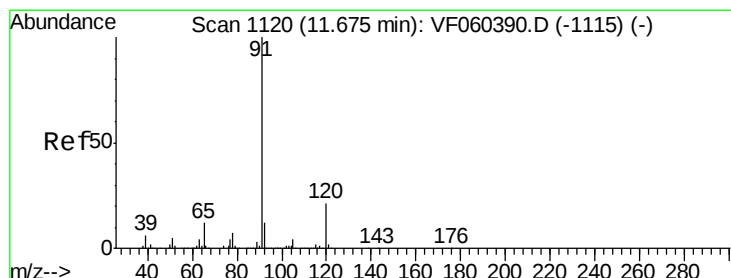
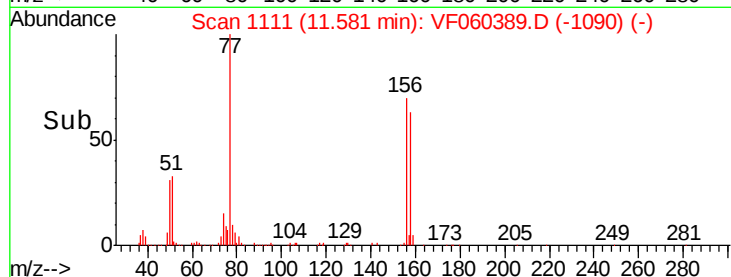
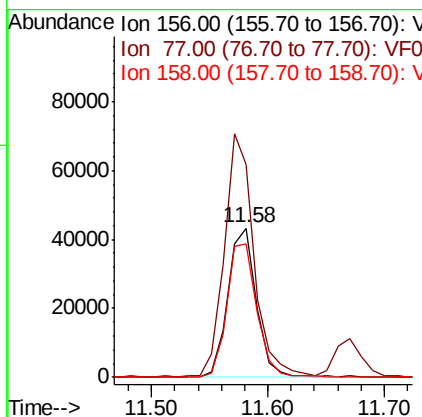
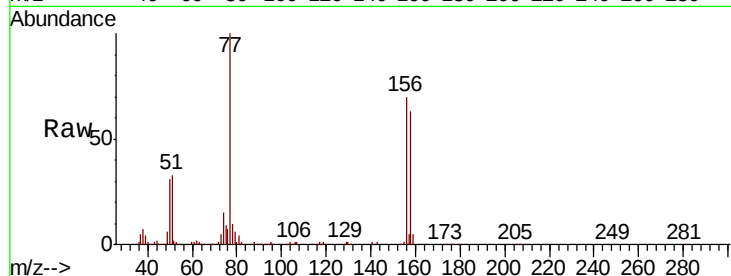
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	73324
Ion Ratio	Lower	Upper	
156	100		
77	142.7	81.3	243.9
158	89.8	49.6	149.0

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#78

n-propylbenzene

Concen: 19.017 ug/l

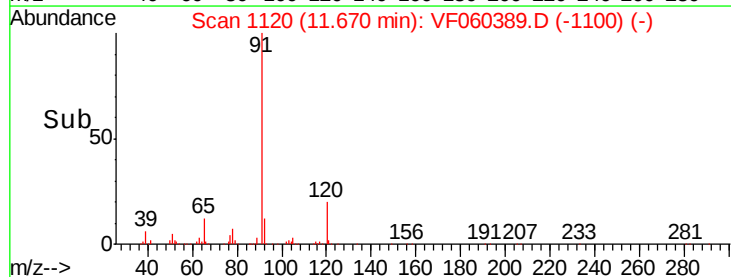
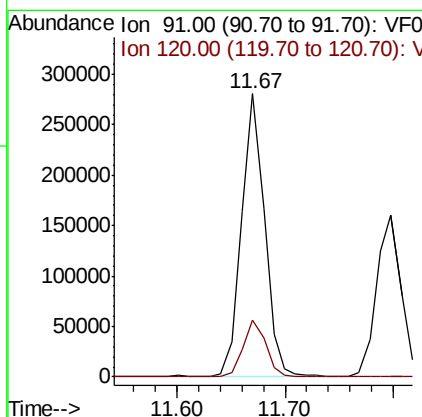
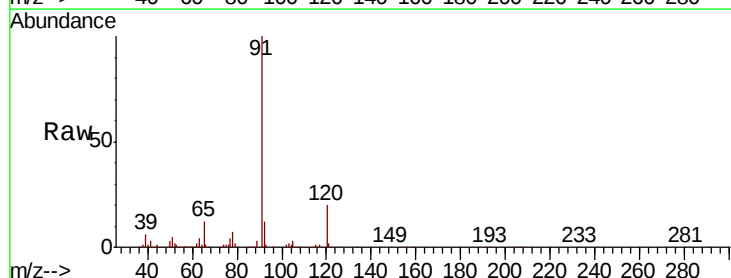
RT: 11.67 min Scan# 1120

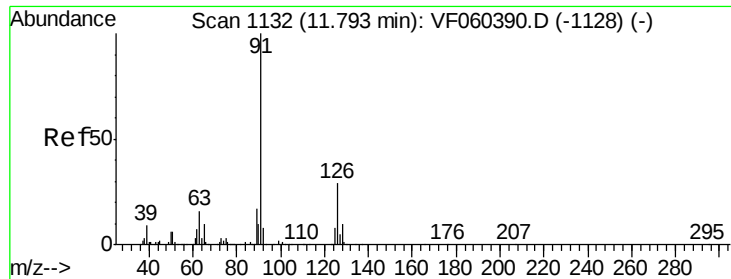
Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Tgt Ion:	91	Resp:	413954
Ion Ratio	Lower	Upper	
91	100		
120	19.9	10.5	31.6





#79

2-Chlorotoluene

Concen: 20.002 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 251087

Ion Ratio Lower Upper

91 100

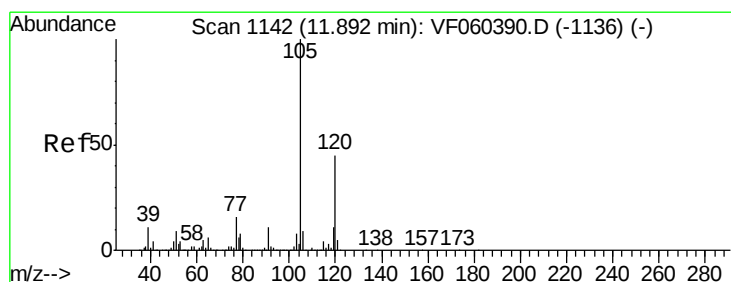
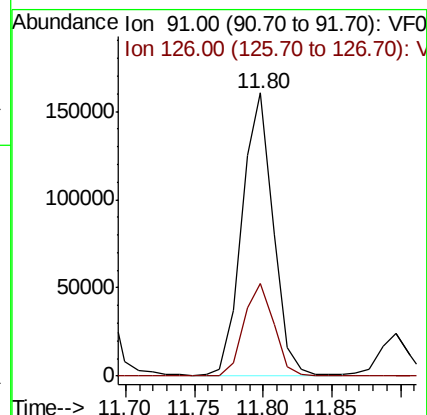
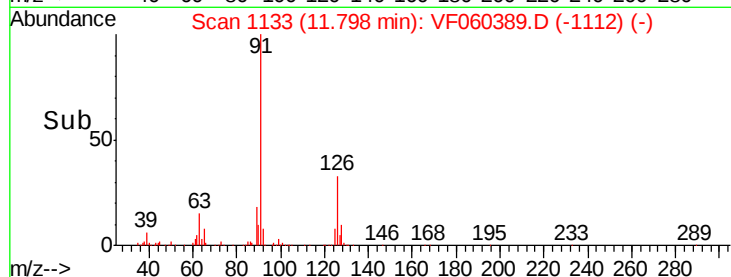
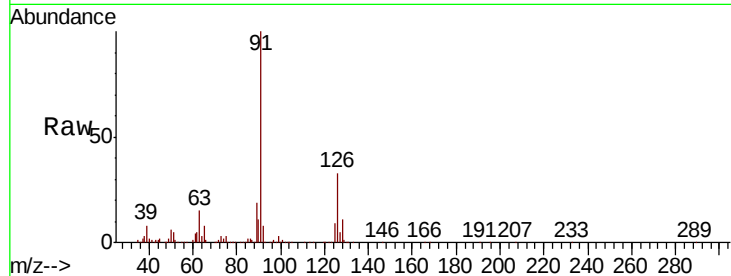
126 32.9 14.4 43.4

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#80

1,3,5-Trimethylbenzene

Concen: 20.277 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060389.D

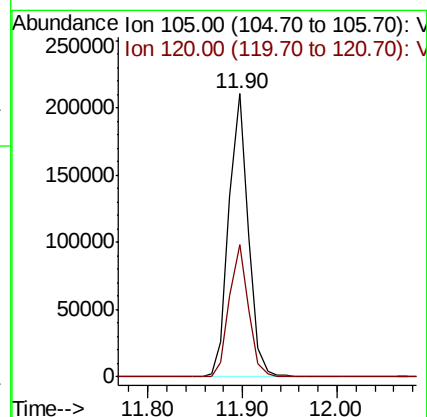
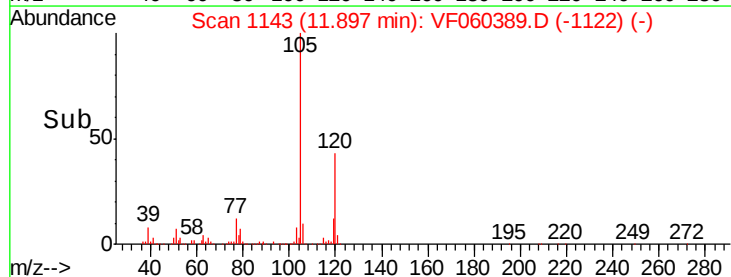
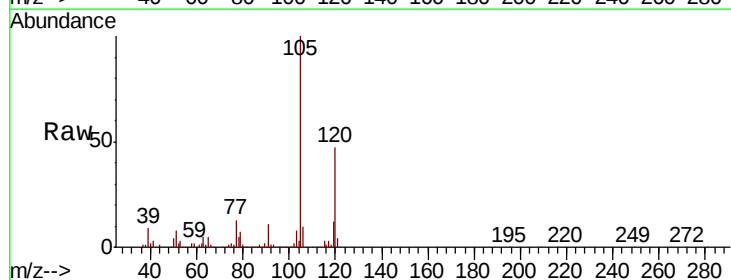
Acq: 1 Oct 2018 18:14

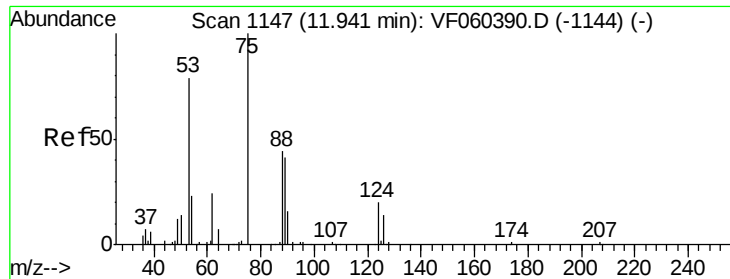
Tgt Ion: 105 Resp: 300629

Ion Ratio Lower Upper

105 100

120 46.9 22.3 66.9





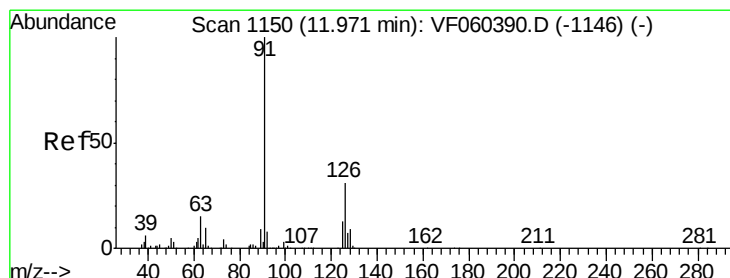
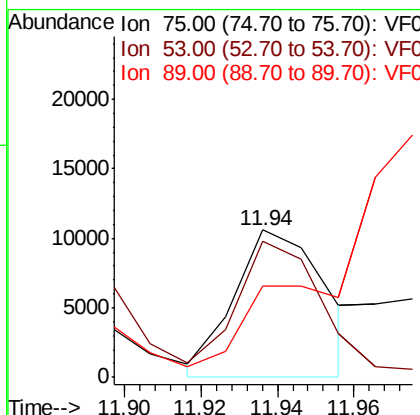
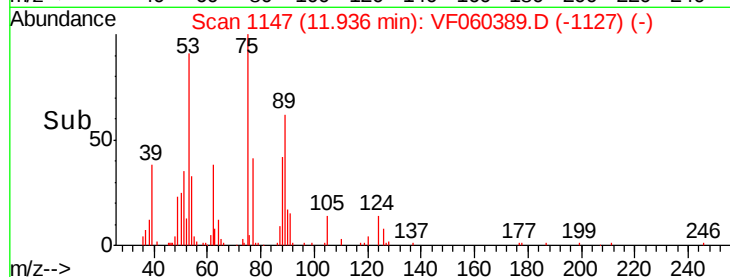
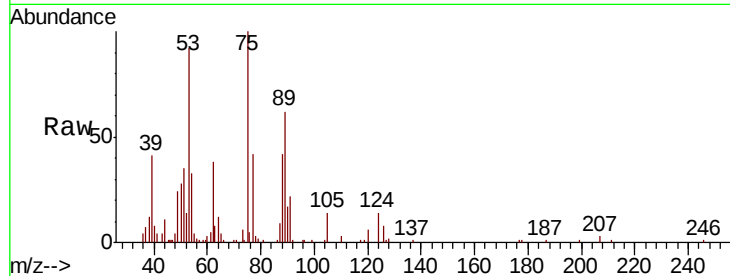
#81
trans-1,4-Dichloro-2-butene
Concen: 14.190 ug/l m
RT: 11.94 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	67.8	101.8
89	62.0	36.7	55.1

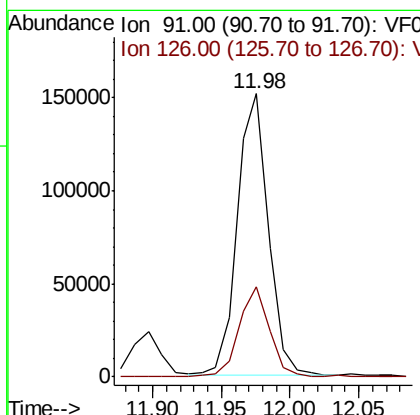
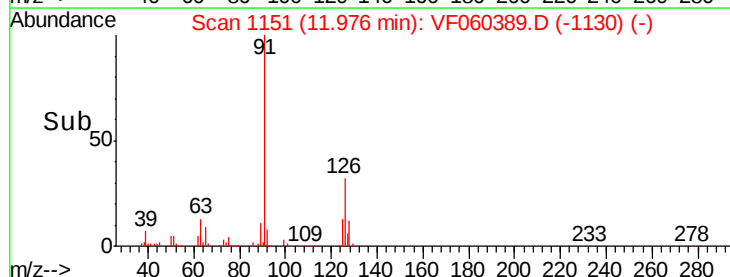
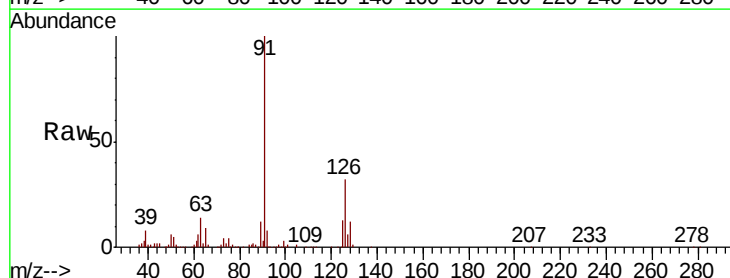
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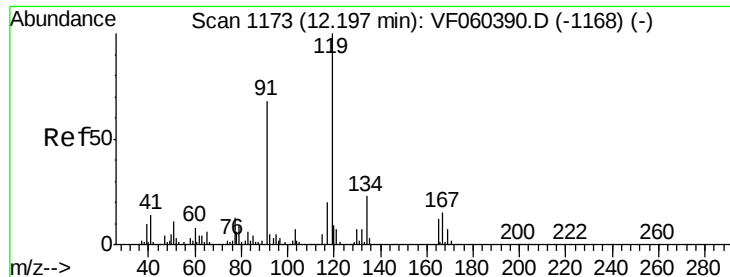
apatel
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#82
4-Chlorotoluene
Concen: 18.881 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.0





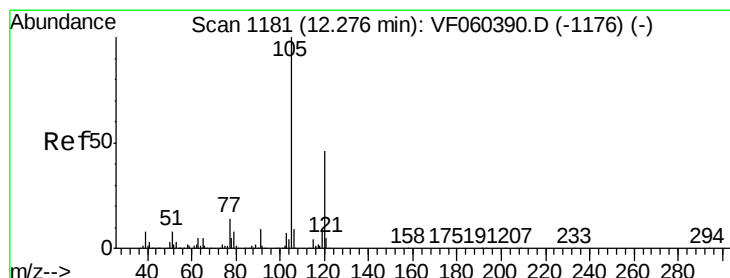
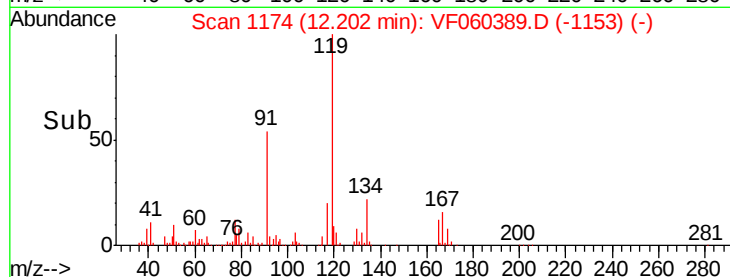
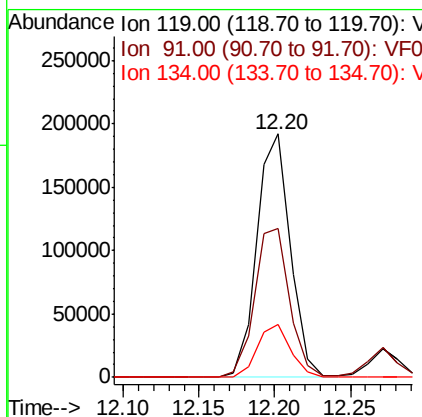
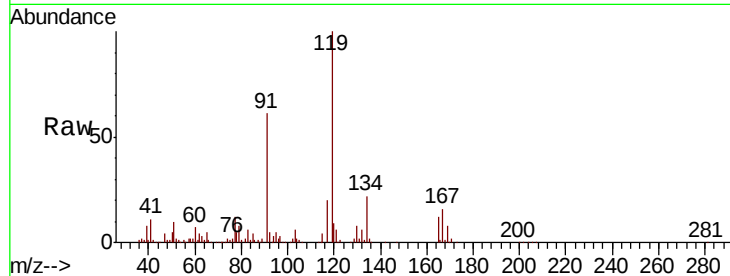
#83
 tert-Butylbenzene
 Concen: 19.811 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	34.0	102.0
134	22.0	11.7	35.0

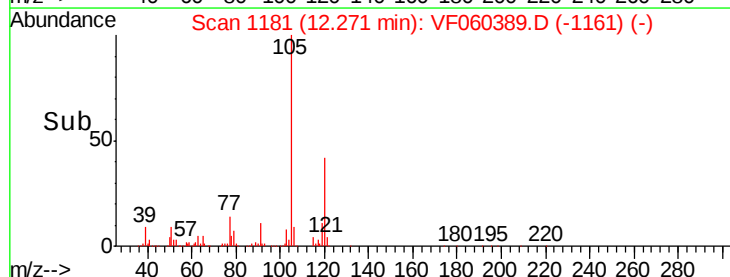
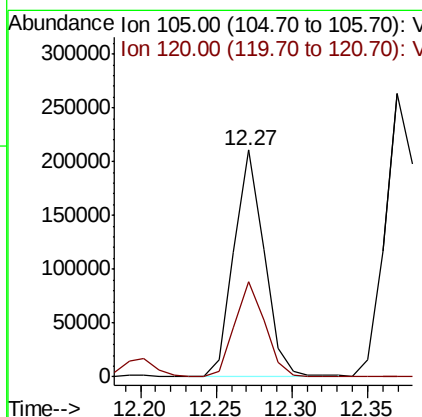
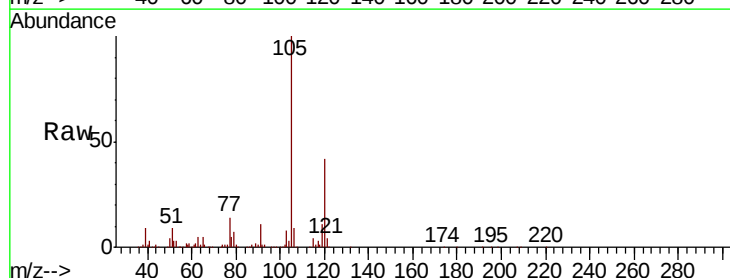
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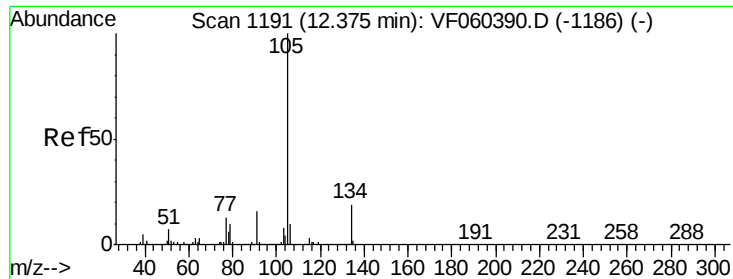
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.412 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.865 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 391546

Ion Ratio Lower Upper

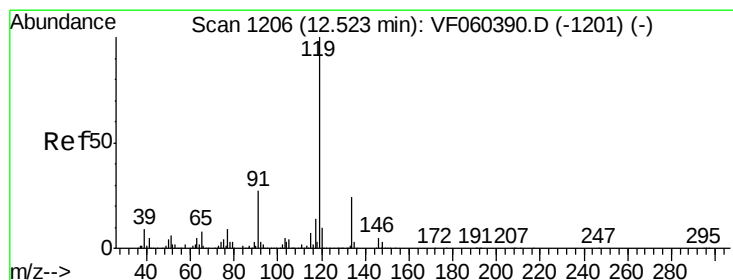
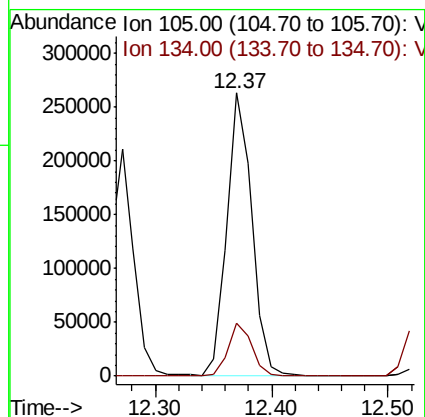
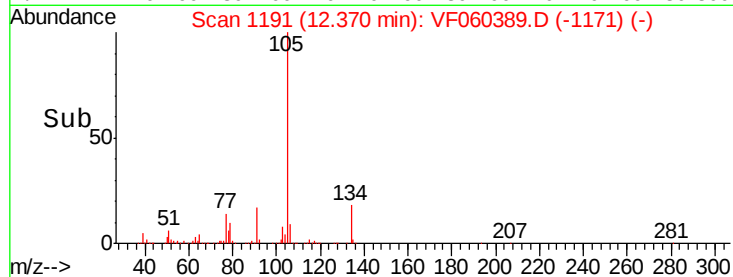
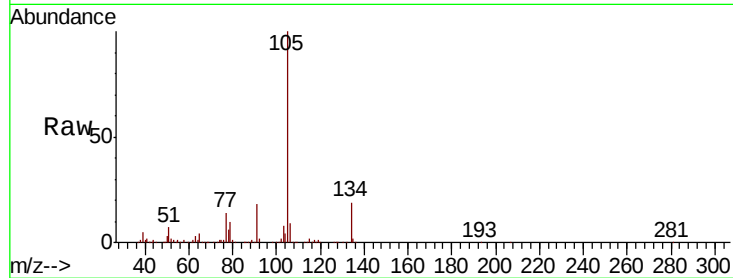
105 100

134 18.6 9.4 28.3

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#86

p-Isopropyltoluene

Concen: 20.035 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060389.D

Acq: 1 Oct 2018 18:14

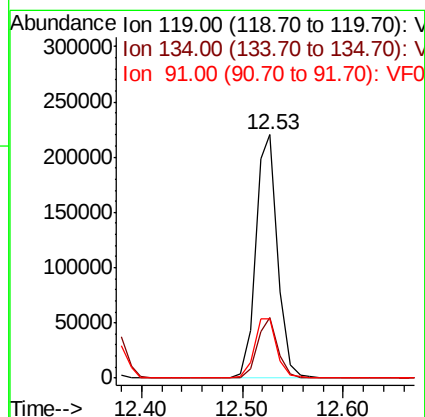
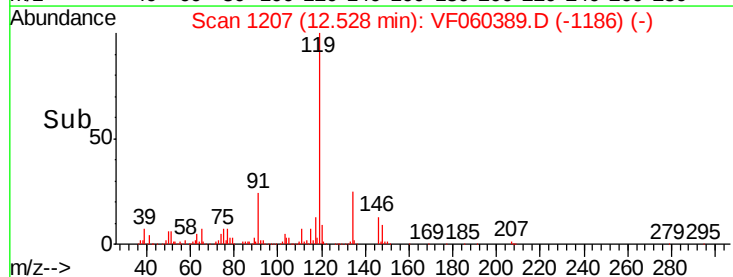
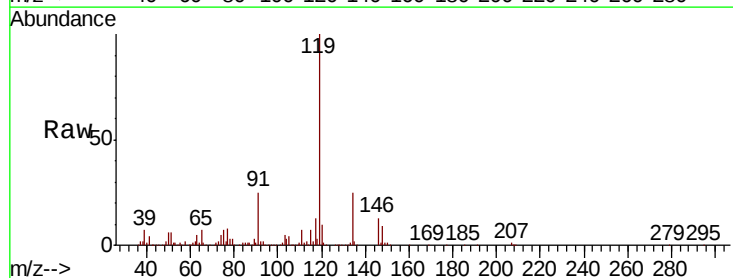
Tgt Ion:119 Resp: 330950

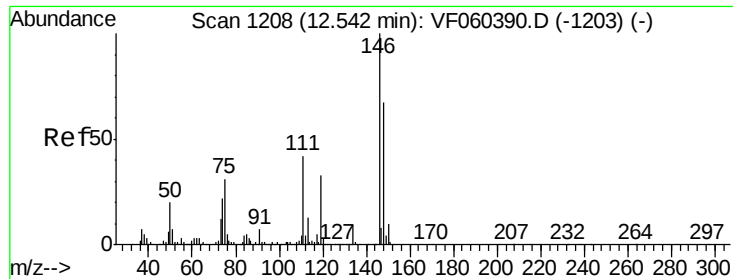
Ion Ratio Lower Upper

119 100

134 25.0 12.3 36.8

91 24.6 13.5 40.4





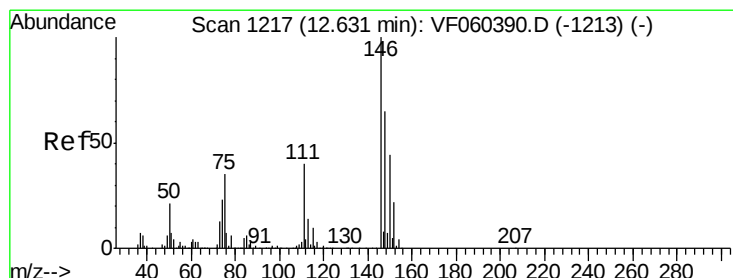
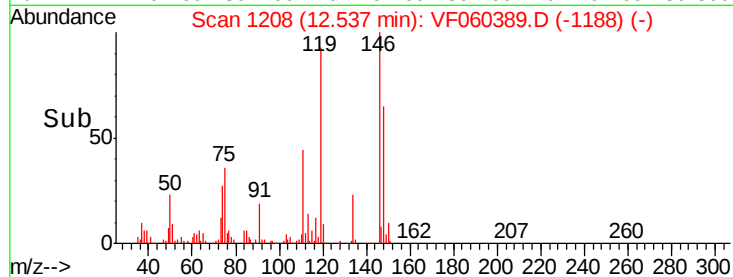
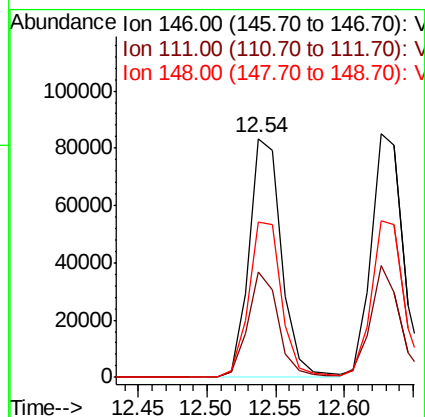
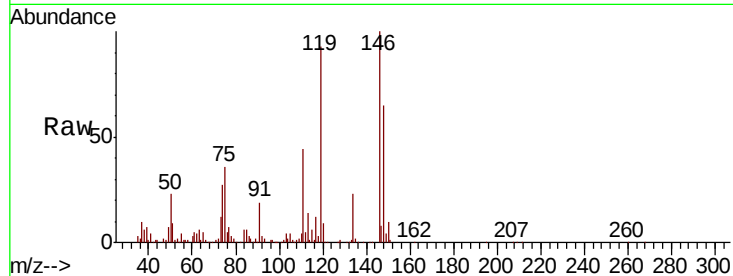
#87
 1,3-Dichlorobenzene
 Concen: 18.521 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.9	62.7
148	64.9	33.6	100.8

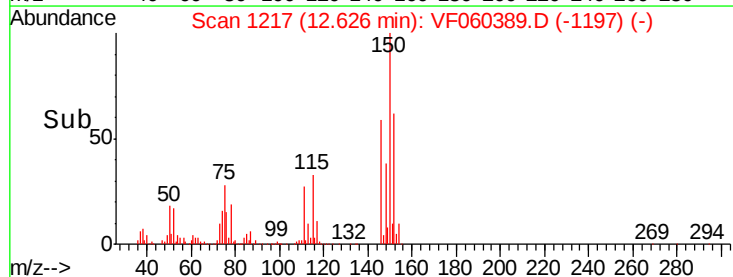
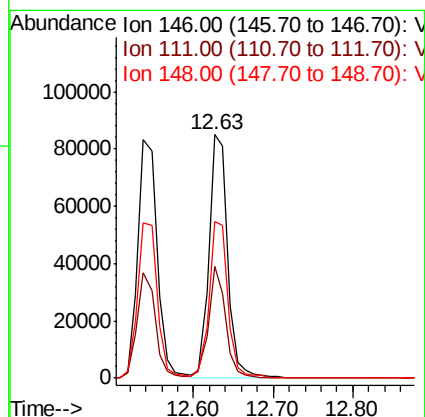
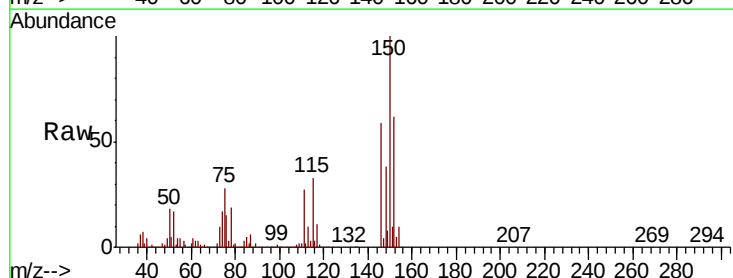
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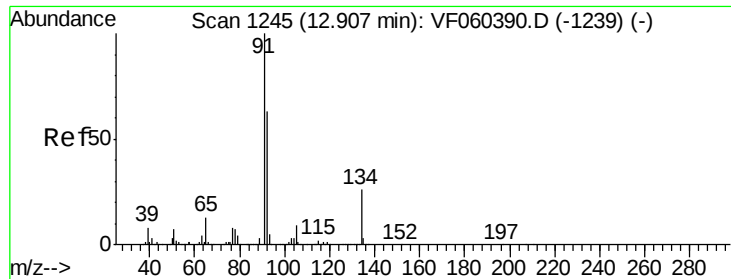
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#88
 1,4-Dichlorobenzene
 Concen: 19.162 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.1	20.2	60.6
148	64.5	32.6	97.8





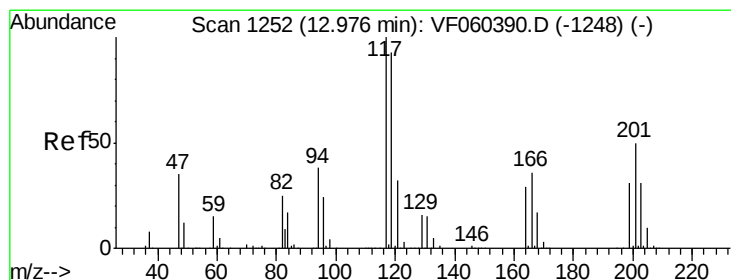
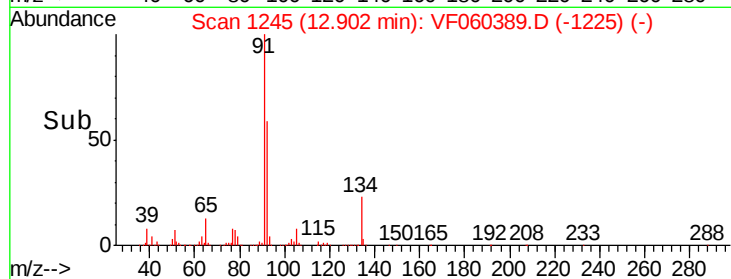
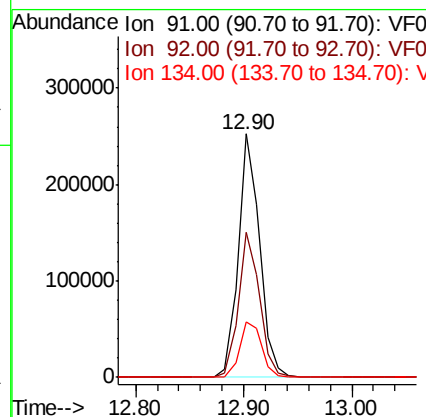
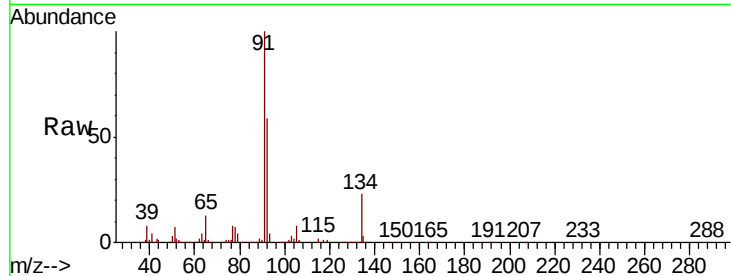
#89
n-Butylbenzene
Concen: 19.807 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	31.3	93.9
134	22.7	13.0	38.9

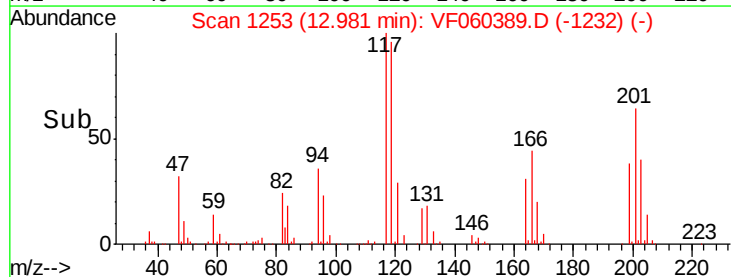
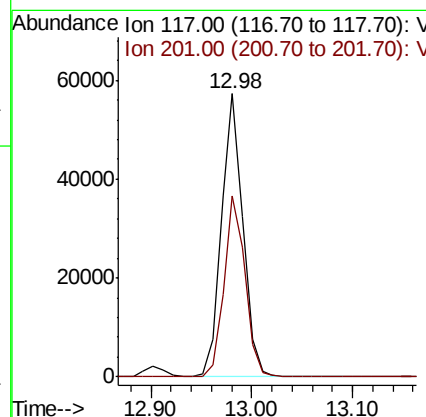
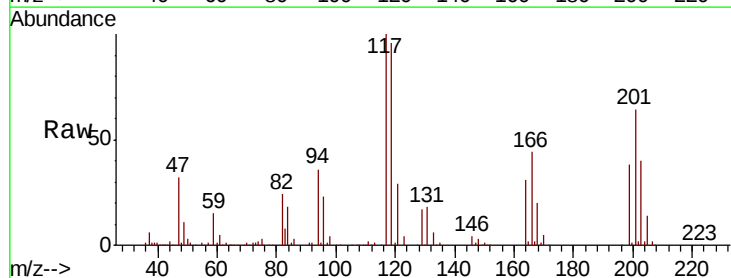
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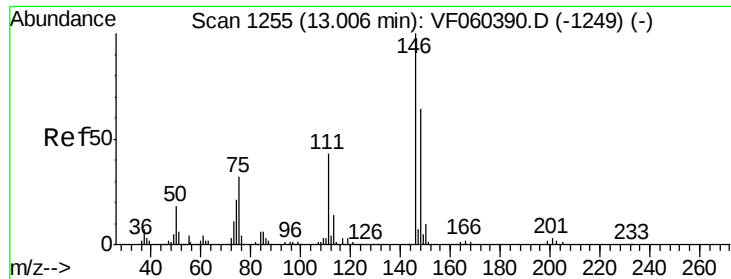
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#90
Hexachloroethane
Concen: 20.134 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.7	25.5	76.5





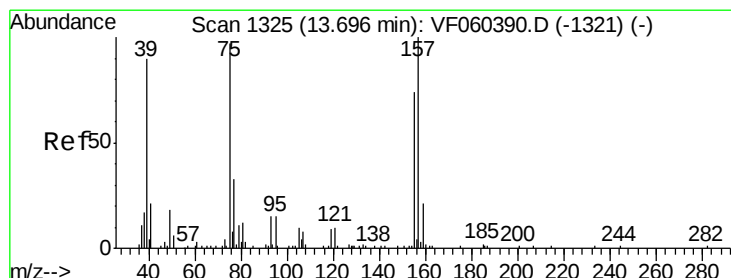
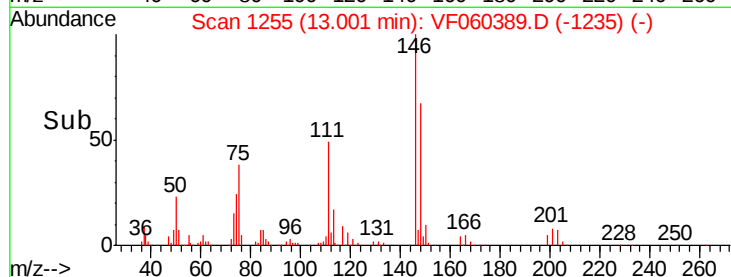
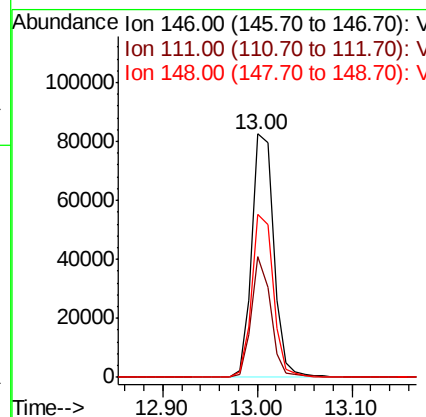
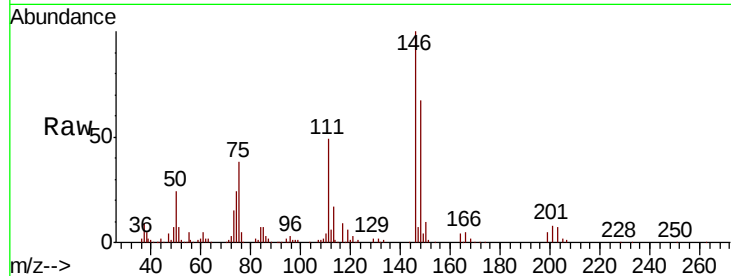
#91
 1,2-Dichlorobenzene
 Concen: 18.807 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	21.3	64.0
148	67.0	32.2	96.6

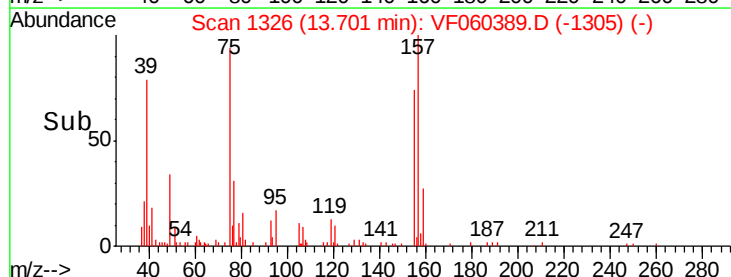
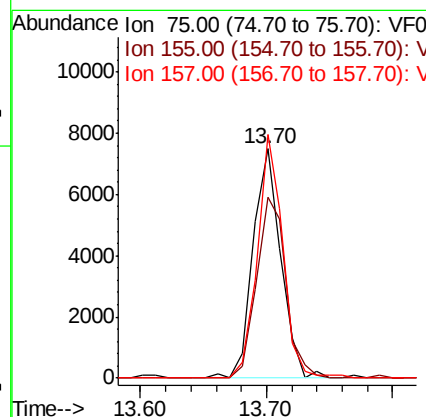
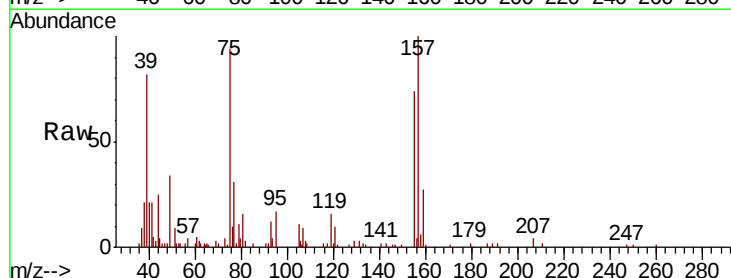
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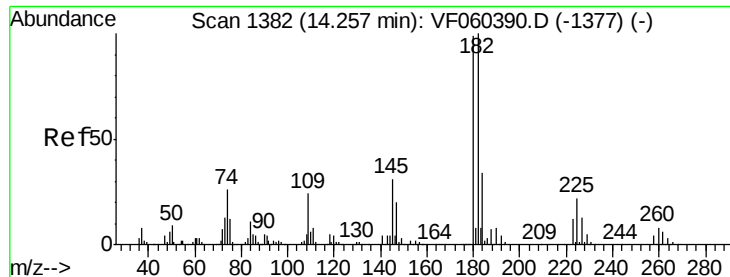
apatel
 10/2/2018 12:29:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.547 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.9	113.6
157	106.2	51.3	154.0





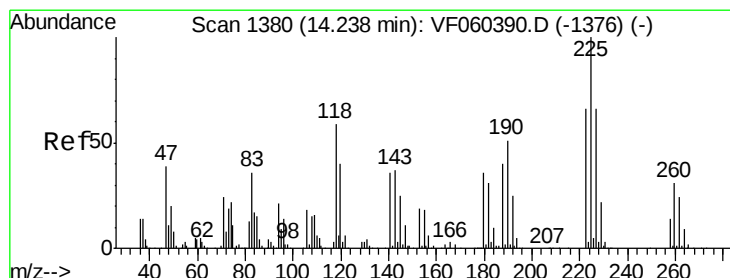
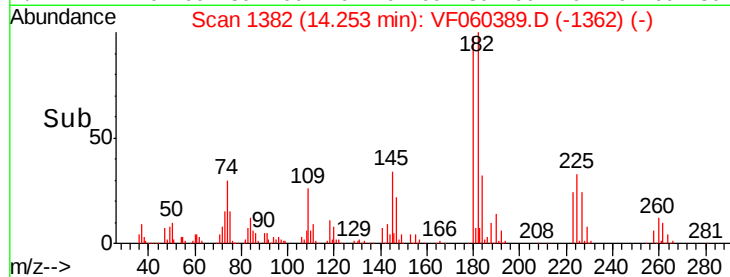
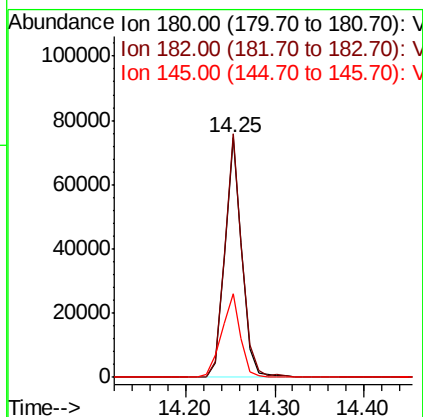
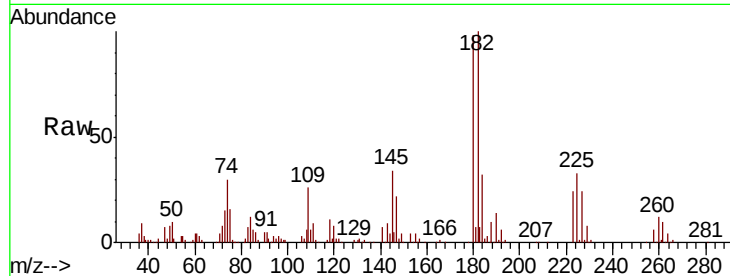
#93
 1,2,4-Trichlorobenzene
 Concen: 19.568 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	101.7	50.3	150.9	
145	34.8	15.5	46.5	

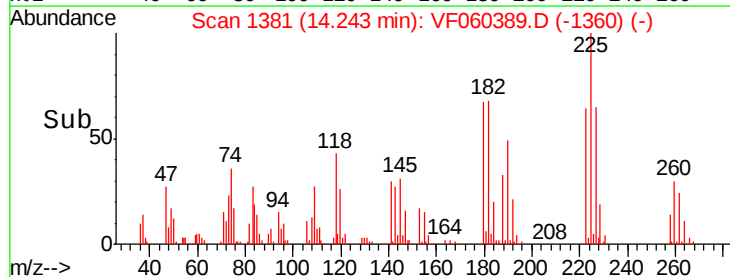
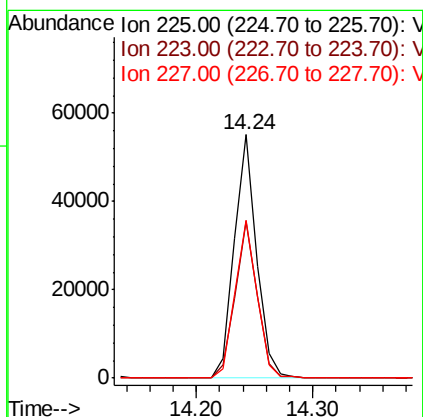
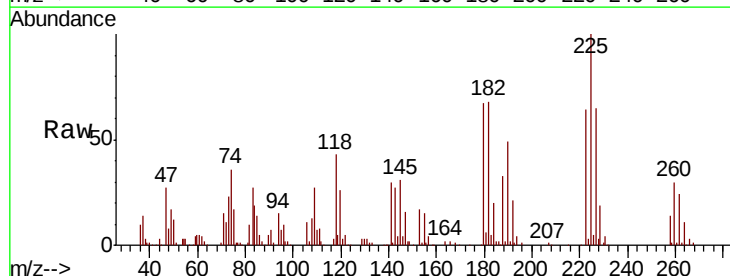
Manual Integrations
 APPROVED

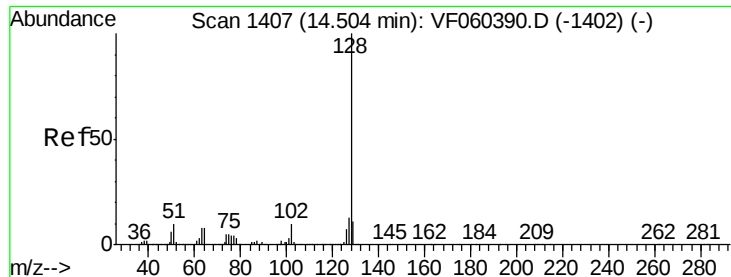
apatel
 10/2/2018 12:29:25 PM



#94
 Hexachlorobutadiene
 Concen: 20.910 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060389.D
 Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	32.8	98.4	
227	64.8	33.0	99.0	





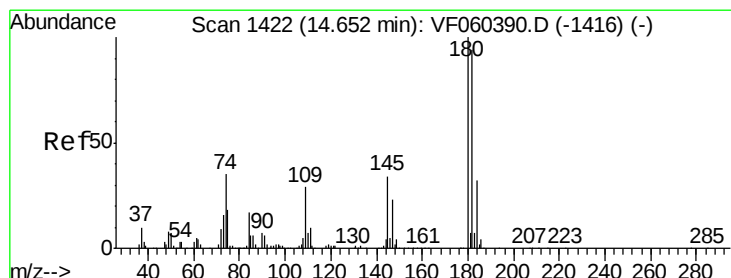
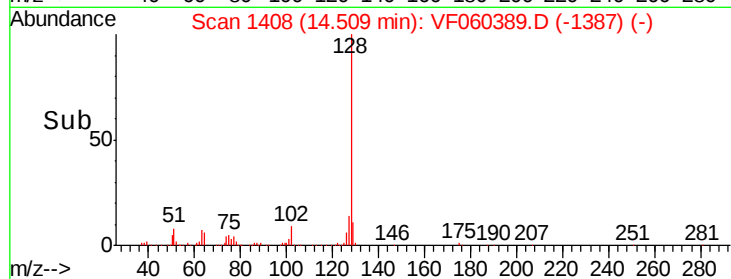
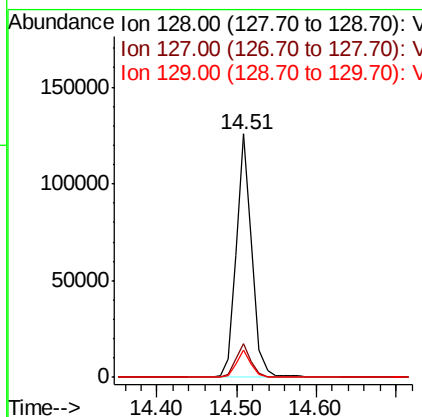
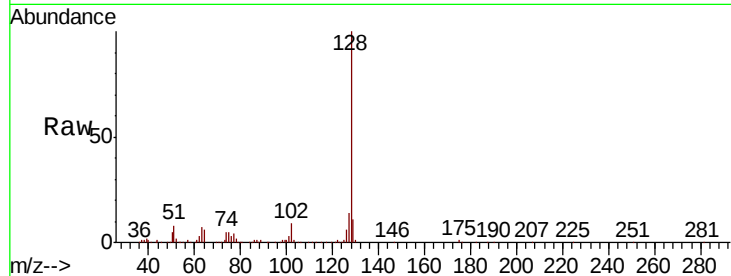
#95
Naphthalene
Concen: 18.936 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.0	15.0
129	11.5	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.333 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.00 min
Lab File: VF060389.D
Acq: 1 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	46.8	140.3
145	30.1	16.9	50.6

