

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060388.D
 Acq On : 1 Oct 2018 17:46
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:29:34 PM

Quant Time: Oct 02 00:24:40 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	263470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	417409	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	388658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	211737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	43033	11.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	23.28%	
35) Dibromofluoromethane	4.27	113	41129	10.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.68%	
50) Toluene-d8	7.69	98	104549	10.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	21.46%	
62) 4-Bromofluorobenzene	11.49	95	49087	11.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	23.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	74455	14.754	ug/l	92
3) Chloromethane	1.12	50	40576	11.069	ug/l	99
4) Vinyl Chloride	1.18	62	39153	10.430	ug/l	92
5) Bromomethane	1.37	94	32432	12.457	ug/l	92
6) Chloroethane	1.43	64	19305	10.733	ug/l	88
7) Trichlorofluoromethane	1.53	101	96192	13.197	ug/l	96
8) Diethyl Ether	1.69	74	12823	11.120	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.88	101	46051	12.217	ug/l	91
10) Methyl Iodide	1.95	142	66466	11.043	ug/l	93
11) Tert butyl alcohol	2.67	59	11817	49.966	ug/l #	62
12) 1,1-Dichloroethene	1.85	96	32877	10.761	ug/l #	83
13) Acrolein	2.08	56	9410m	69.515	ug/l	
14) Allyl chloride	2.18	41	55415	10.494	ug/l	98
15) Acrylonitrile	3.06	53	19954	40.265	ug/l	96
16) Acetone	2.33	43	55865	56.328	ug/l	100
17) Carbon Disulfide	1.89	76	100279	10.673	ug/l	99
18) Methyl Acetate	2.43	43	19245	11.321	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	81199	10.587	ug/l	99
20) Methylene Chloride	2.26	84	39411m	11.019	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	33914	10.692	ug/l #	88
22) Diisopropyl ether	2.91	45	94799	9.596	ug/l #	97
23) Vinyl Acetate	3.31	43	189008	48.472	ug/l	100
24) 1,1-Dichloroethane	2.98	63	66344	10.181	ug/l	98
25) 2-Butanone	4.48	43	58751	45.531	ug/l	99
26) 2,2-Dichloropropane	3.74	77	38663	10.519	ug/l	92
27) cis-1,2-Dichloroethene	3.62	96	38513	9.538	ug/l	89
28) Bromochloromethane	3.86	49	23078	9.099	ug/l	96
29) Tetrahydrofuran	4.24	42	19874	40.977	ug/l	96
30) Chloroform	4.01	83	79553	10.177	ug/l	96
31) Cyclohexane	3.83	56	46291	8.607	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	69814	11.146	ug/l	99
36) 1,1-Dichloropropene	4.43	75	53590	10.209	ug/l	94
37) Ethyl Acetate	4.26	43	22399	10.327	ug/l #	90
38) Carbon Tetrachloride	4.14	117	66333m	11.225	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	53719	9.739	ug/l	84
40) Benzene	4.78	78	111329	9.643	ug/l	99
41) Methacrylonitrile	4.89	41	10699	9.195	ug/l #	87
42) 1,2-Dichloroethane	5.09	62	49969	11.179	ug/l	100
43) Isopropyl Acetate	7.09	43	24216	9.264	ug/l #	98
44) Trichloroethene	5.65	130	35296	10.205	ug/l	95
45) 1,2-Dichloropropane	6.38	63	28829	9.584	ug/l #	89
46) Dibromomethane	6.23	93	22899	10.422	ug/l	93
47) Bromodichloromethane	6.52	83	53820	10.143	ug/l #	85
48) Methyl methacrylate	6.85	41	18234	9.808	ug/l	93
49) 1,4-Dioxane	6.84	88	3351	203.668	ug/l #	85
51) 4-Methyl-2-Pentanone	8.38	43	90051	45.892	ug/l	98
52) Toluene	7.76	92	77645	10.539	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	46614	11.020	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	52213	9.838	ug/l	95
55) 1,1,2-Trichloroethane	8.61	97	23919	10.700	ug/l #	89
56) Ethyl methacrylate	8.73	69	27926	10.332	ug/l	92
57) 1,3-Dichloropropane	8.97	76	41216	11.087	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	14256	58.193	ug/l	100
59) 2-Hexanone	9.61	43	72511	52.261	ug/l	98
60) Dibromochloromethane	8.84	129	33752	10.018	ug/l	89
61) 1,2-Dibromoethane	9.12	107	24614	9.778	ug/l	93
64) Tetrachloroethene	8.28	164	32184	9.276	ug/l	95
65) Chlorobenzene	9.92	112	85239	9.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	36412	9.927	ug/l	94
67) Ethyl Benzene	10.01	91	164957	10.197	ug/l	96
68) m/p-Xylenes	10.24	106	118355	21.195	ug/l	99
69) o-Xylene	10.81	106	59510	9.522	ug/l	92
70) Styrene	10.88	104	88476	10.066	ug/l	98
71) Bromoform	10.87	173	17544	8.771	ug/l #	96
73) Isopropylbenzene	11.21	105	185046	9.899	ug/l	99
74) N-amyl acetate	11.44	43	39286	9.701	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	31840	9.596	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	23997	9.996	ug/l	98
77) Bromobenzene	11.58	156	41459	10.266	ug/l	83
78) n-propylbenzene	11.67	91	230085	10.365	ug/l	98
79) 2-Chlorotoluene	11.80	91	135300	10.569	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	159883	10.575	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	10151m	8.104	ug/l	
82) 4-Chlorotoluene	11.98	91	135307	10.566	ug/l	100
83) tert-Butylbenzene	12.20	119	159833	10.399	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	159992	10.364	ug/l	100
85) sec-Butylbenzene	12.37	105	223440	10.557	ug/l	93
86) p-Isopropyltoluene	12.53	119	182215	10.817	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	80714	10.645	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	76231	10.214	ug/l	95
89) n-Butylbenzene	12.90	91	193634	10.793	ug/l	93
90) Hexachloroethane	12.98	117	43142	9.973	ug/l	79
91) 1,2-Dichlorobenzene	13.00	146	74286	10.235	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.70	75	5209	8.291	ug/l	96

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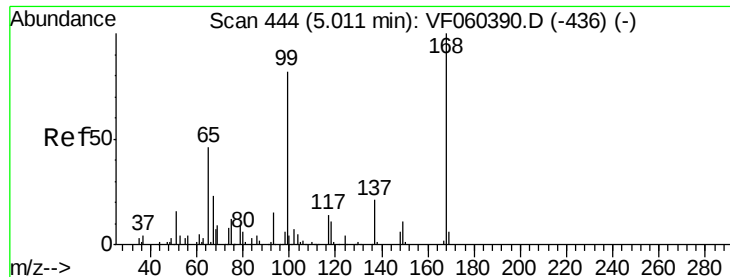
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	54410	10.268	ug/l	94
94) Hexachlorobutadiene	14.24	225	38634	10.796	ug/l	97
95) Naphthalene	14.51	128	90967	9.721	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	48625	9.952	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. 0.01 min

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Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 263470

Ion Ratio Lower Upper

168 100

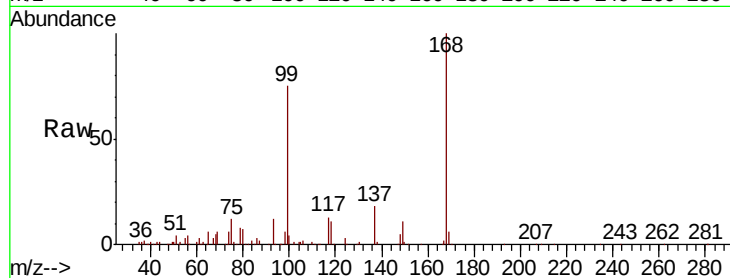
99 75.0 65.3 97.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

60000

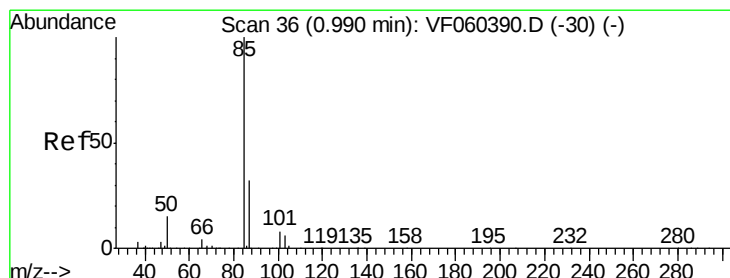
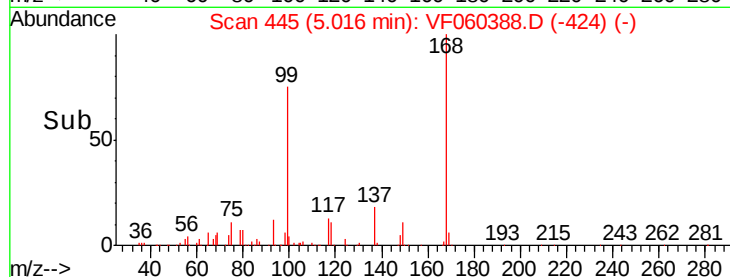
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 14.754 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060388.D

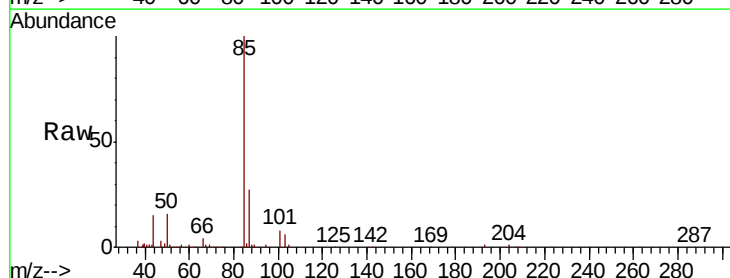
Acq: 1 Oct 2018 17:46

Tgt Ion: 85 Resp: 74455

Ion Ratio Lower Upper

85 100

87 27.0 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

30000

25000

20000

15000

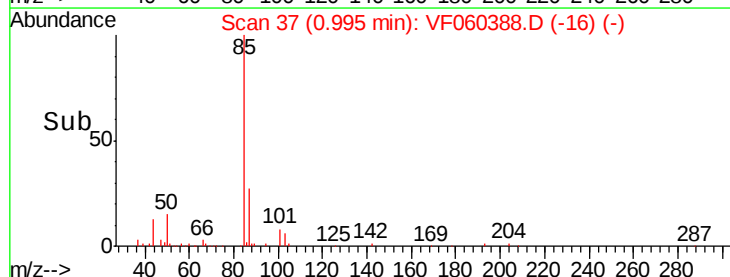
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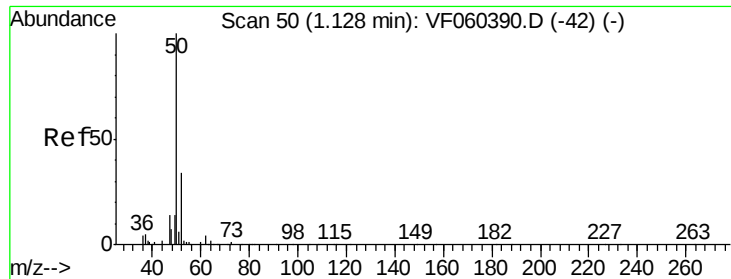
5000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 11.069 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 40576

Ion Ratio Lower Upper

50 100

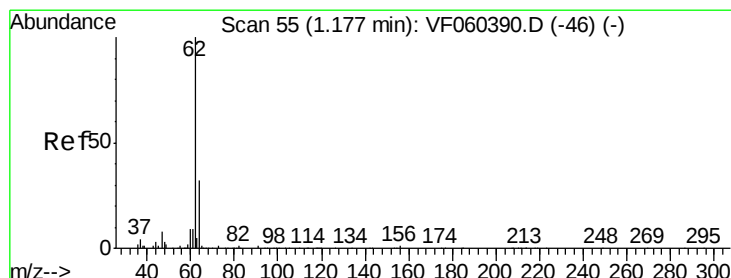
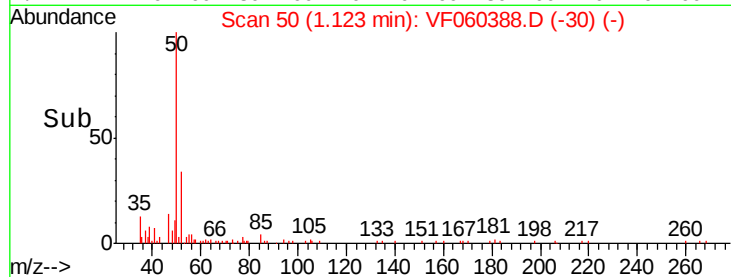
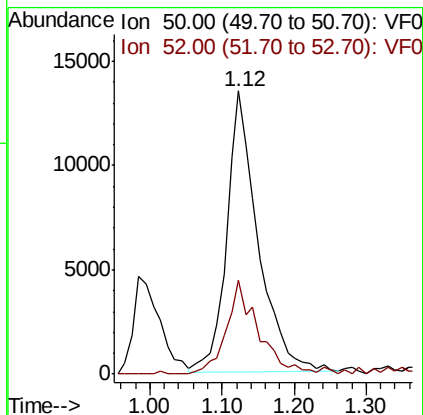
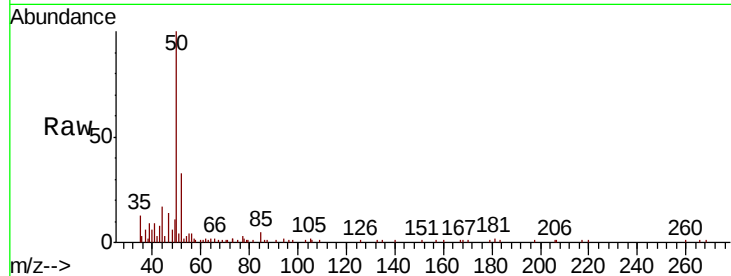
52 33.2 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.430 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060388.D

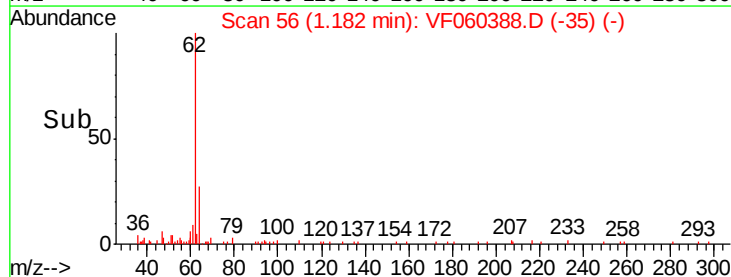
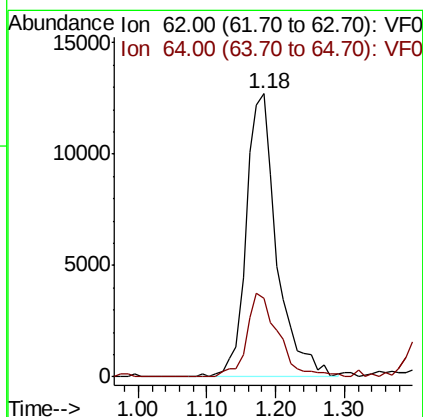
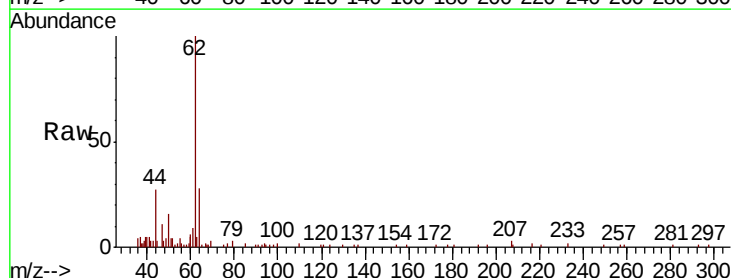
Acq: 1 Oct 2018 17:46

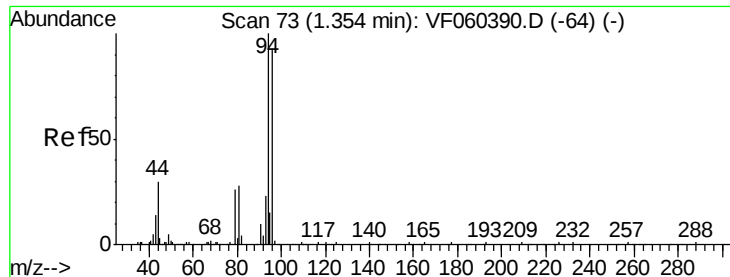
Tgt Ion: 62 Resp: 39153

Ion Ratio Lower Upper

62 100

64 27.8 25.8 38.6





#5

Bromomethane

Concen: 12.457 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tot Ion: 94 Resp: 32432

Ion Ratio Lower Upper

94 100

96 85.1 74.3 111.5

Instrument :

MSVOA_F

ClientSampleId :

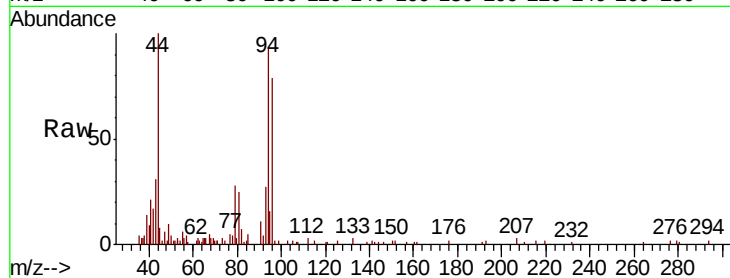
VSTDIC010

Manual Integrations

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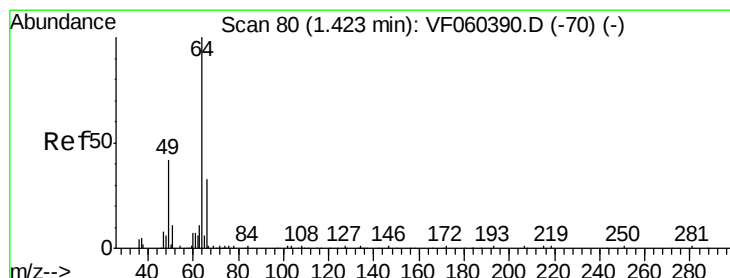
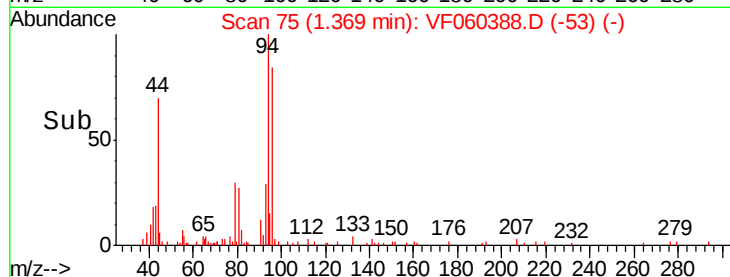
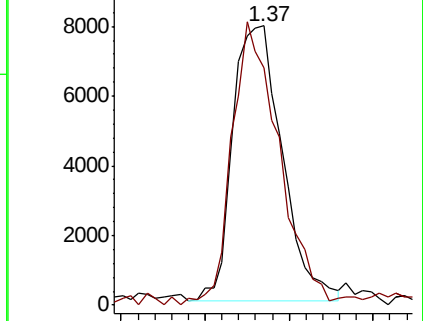
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 10.733 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060388.D

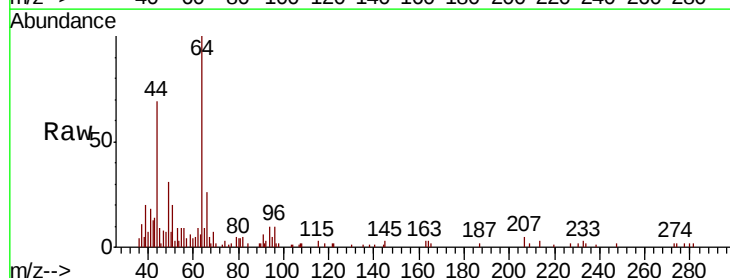
Acq: 1 Oct 2018 17:46

Tgt Ion: 64 Resp: 19305

Ion Ratio Lower Upper

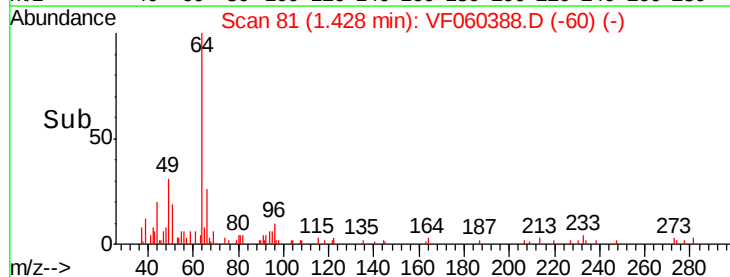
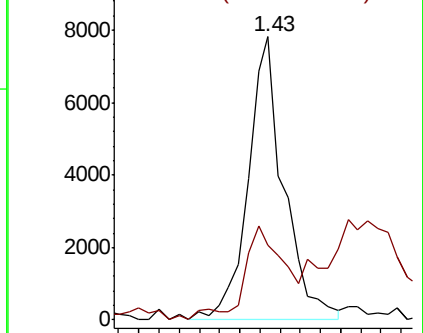
64 100

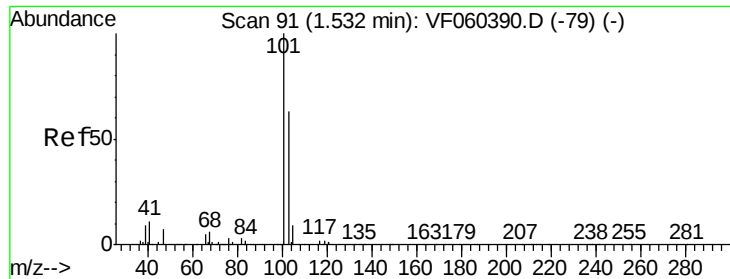
66 26.4 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

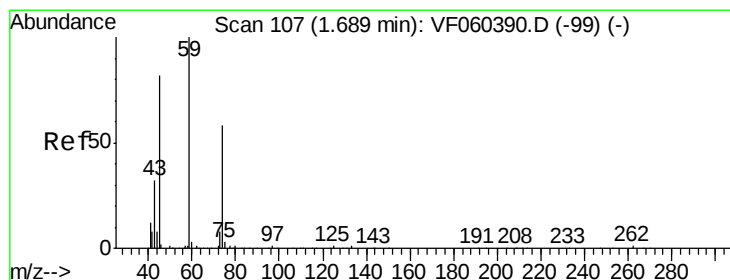
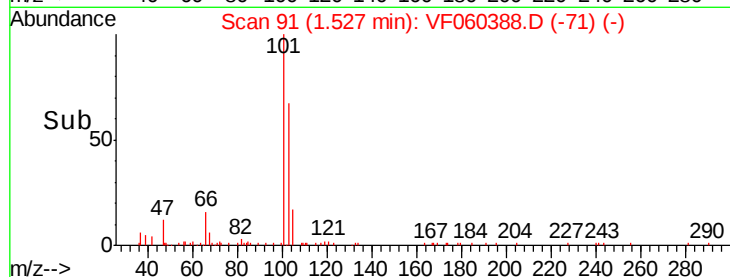
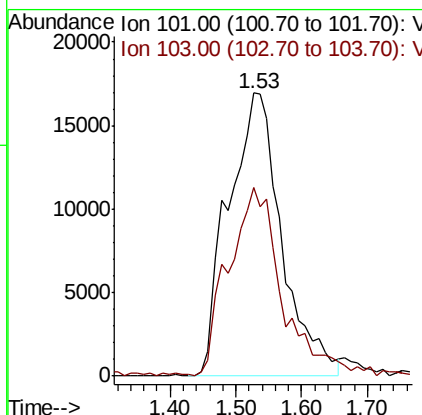
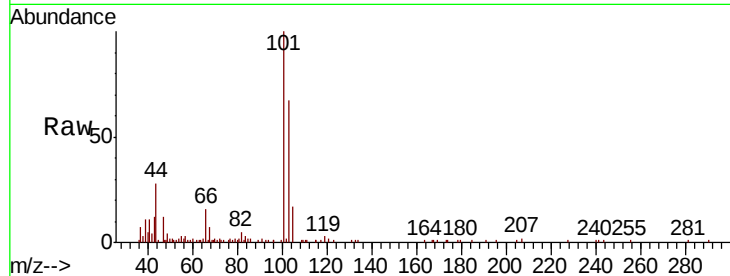
Trichlorofluoromethane
Concen: 13.197 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF060388.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.0	76.4

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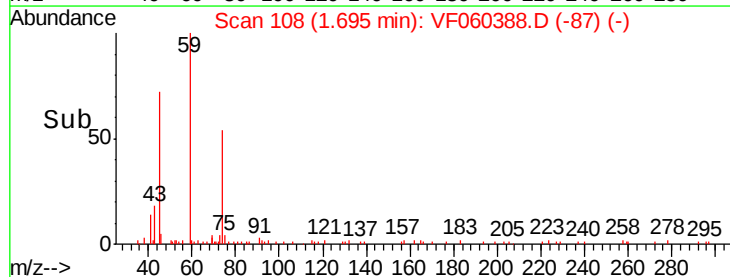
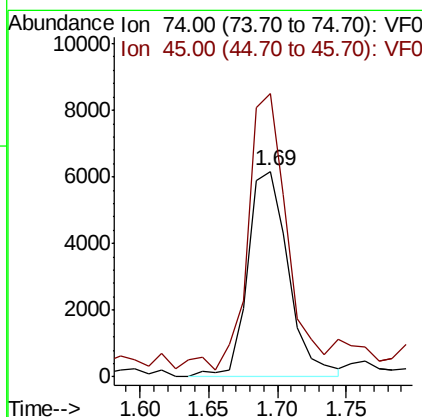
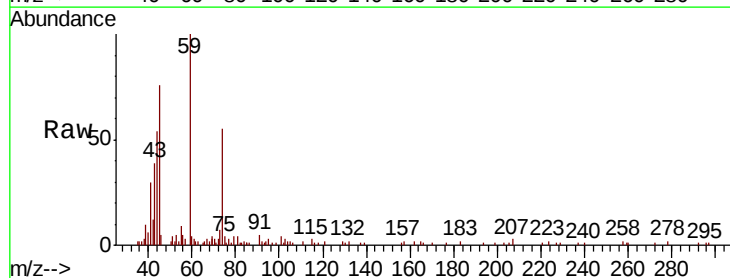
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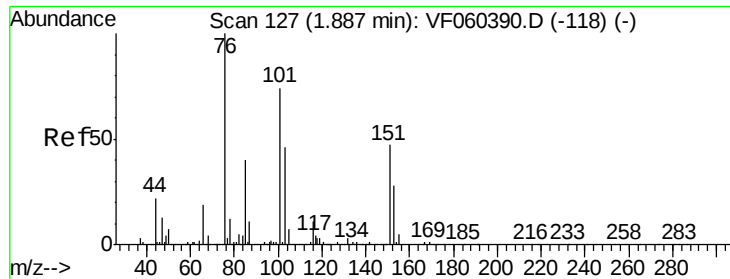


#8

Diethyl Ether
Concen: 11.120 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.7	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.217 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

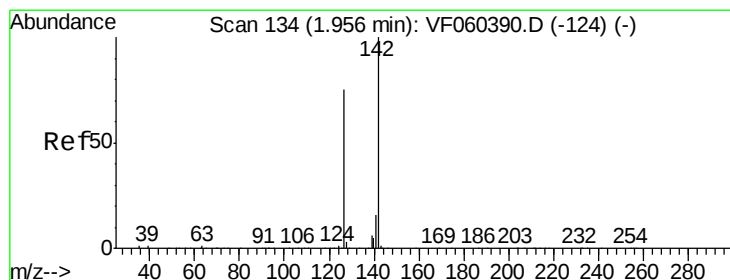
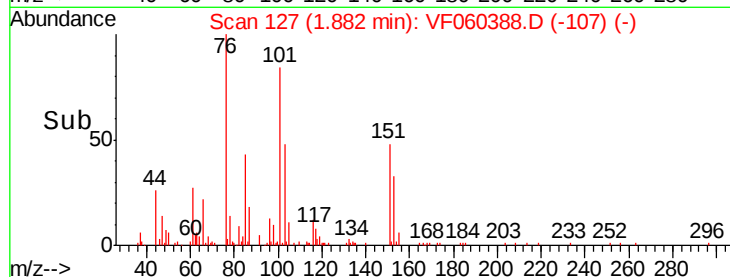
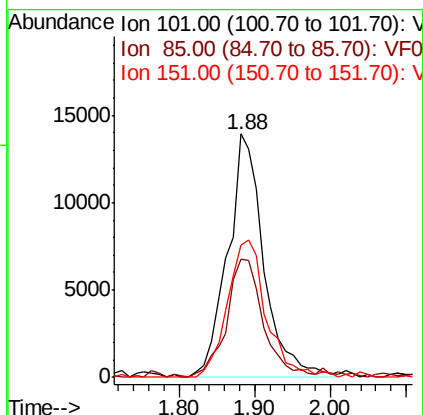
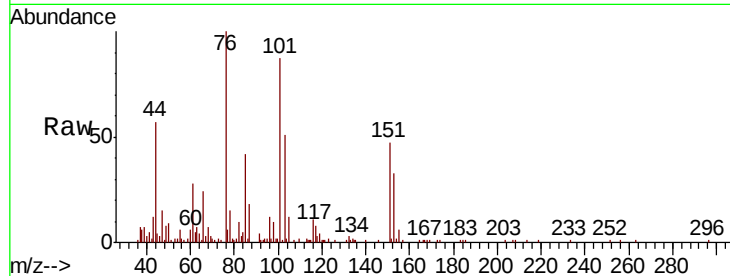
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	46051
Ion Ratio	Lower	Upper	
101	100		
85	48.4	42.5	63.7
151	54.4	49.8	74.8

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#10

Methyl Iodide

Concen: 11.043 ug/l

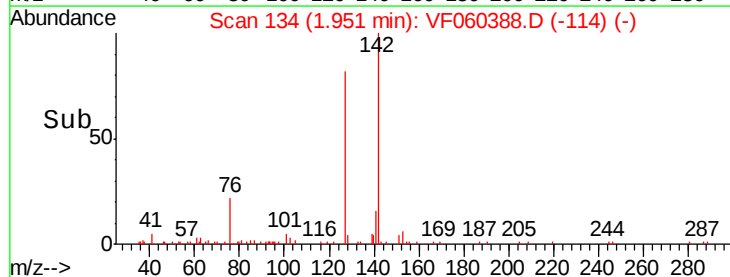
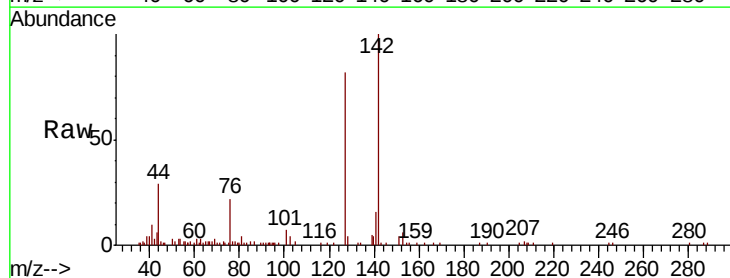
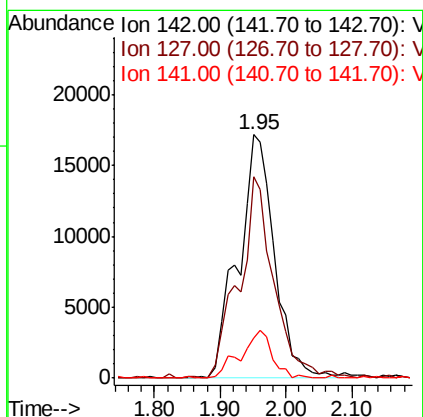
RT: 1.95 min Scan# 134

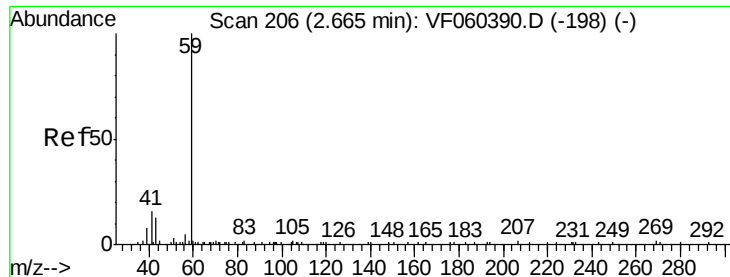
Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion:	142	Resp:	66466
Ion Ratio	Lower	Upper	
142	100		
127	82.5	60.2	90.2
141	16.3	13.1	19.7





#11

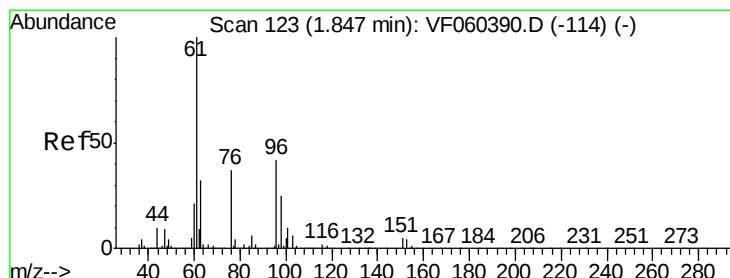
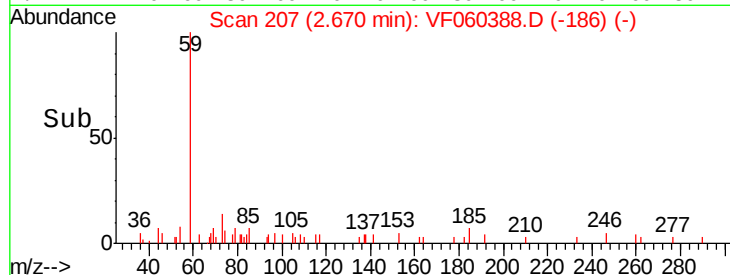
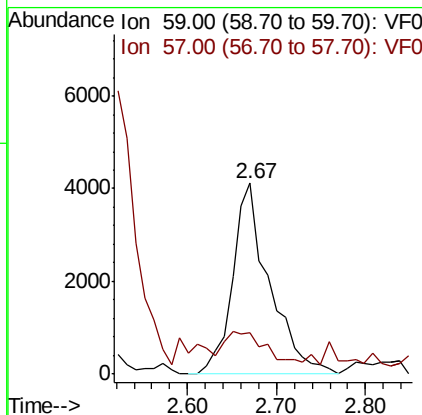
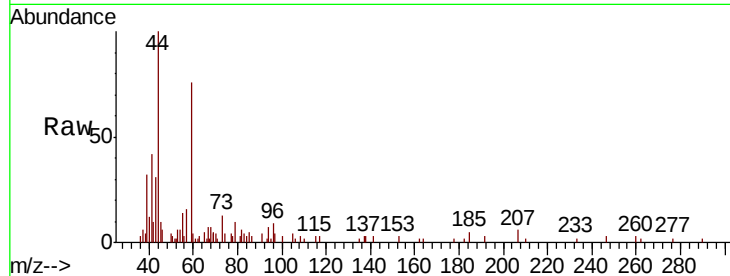
Tert butyl alcohol
 Concen: 49.966 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	21.7	6.5	9.7#

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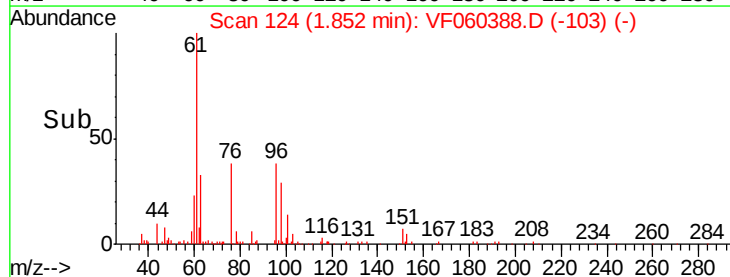
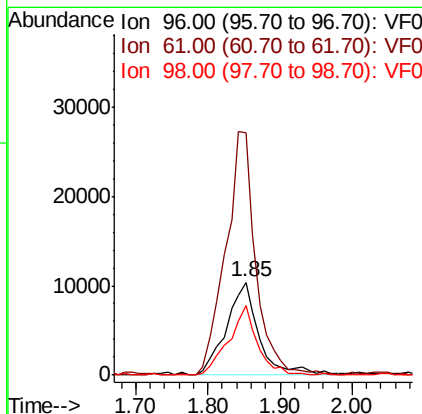
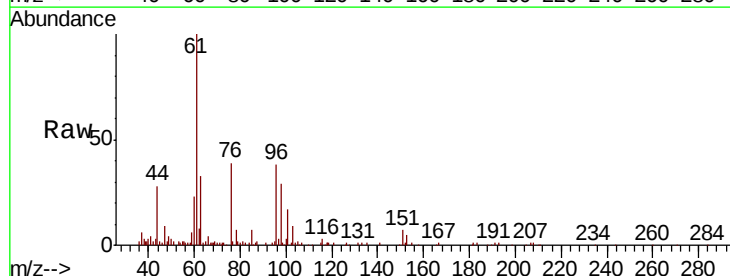
apatel
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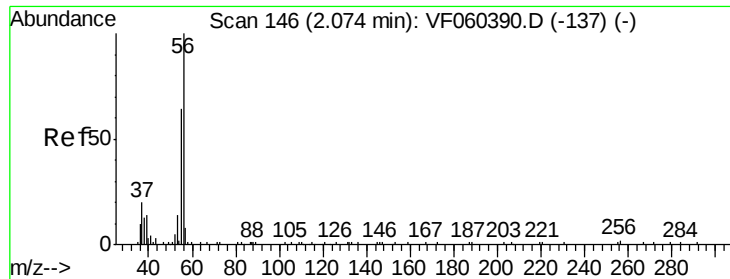


#12

1,1-Dichloroethene
 Concen: 10.761 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	261.9	189.4	284.0
98	77.3	47.8	71.6#





#13

Acrolein

Concen: 69.515 ug/l m

RT: 2.08 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 9410

Ion Ratio Lower Upper

56 100

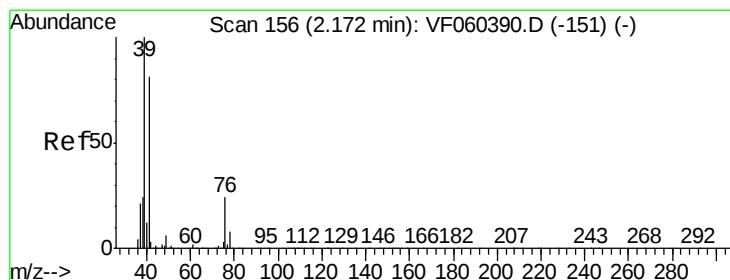
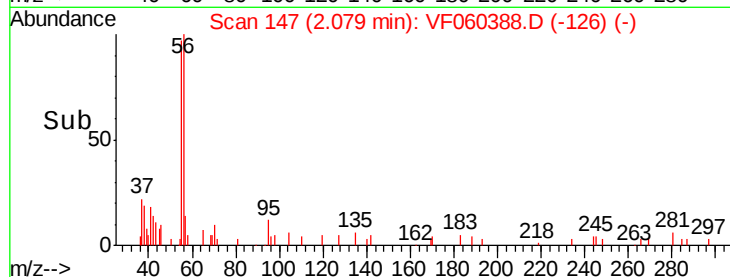
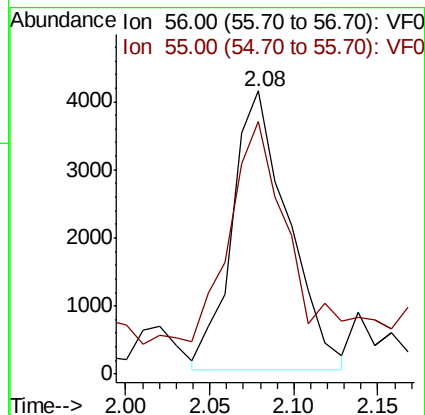
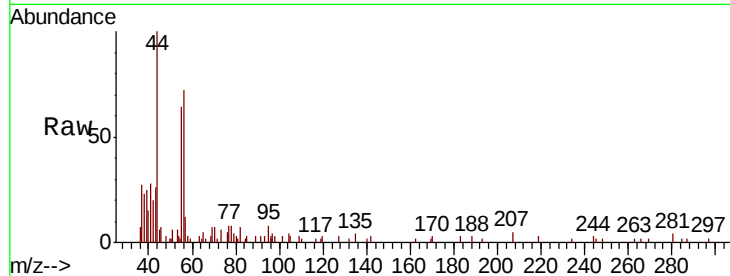
55 89.3 53.9 80.9#

Manual Integrations

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#14

Allyl chloride

Concen: 10.494 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

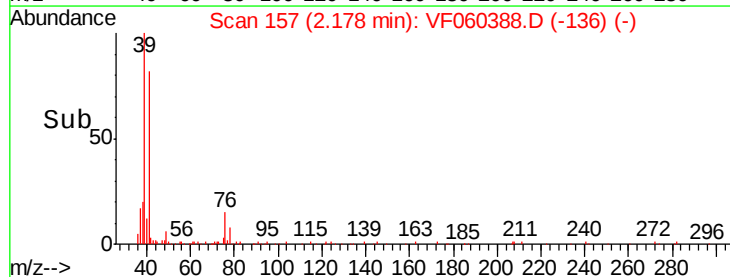
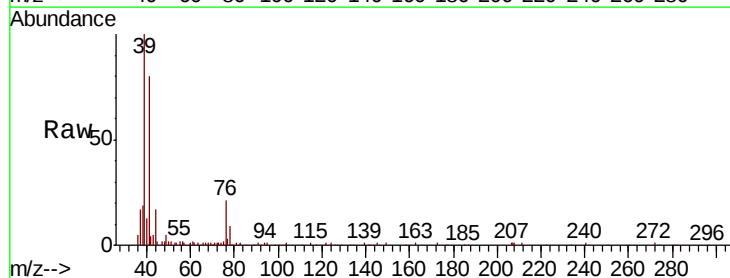
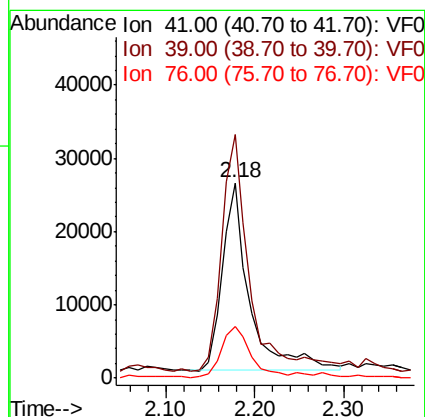
Tgt Ion: 41 Resp: 55415

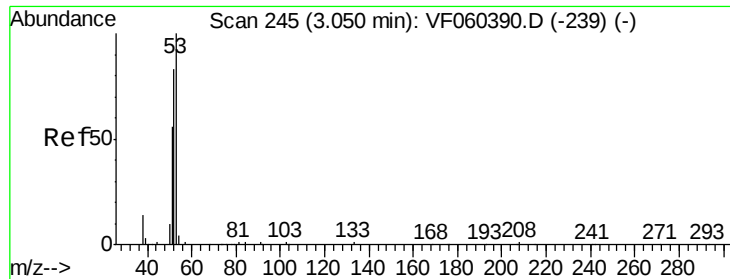
Ion Ratio Lower Upper

41 100

39 124.5 98.3 147.5

76 26.4 23.9 35.9





#15

Acrylonitrile

Concen: 40.265 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

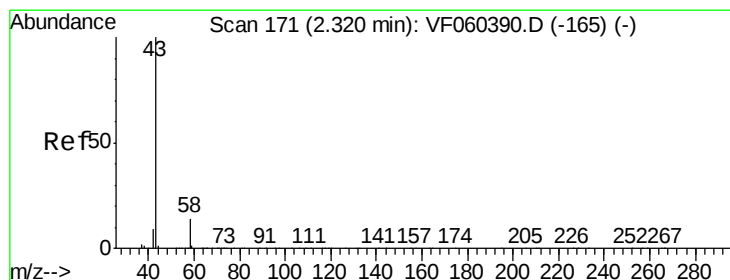
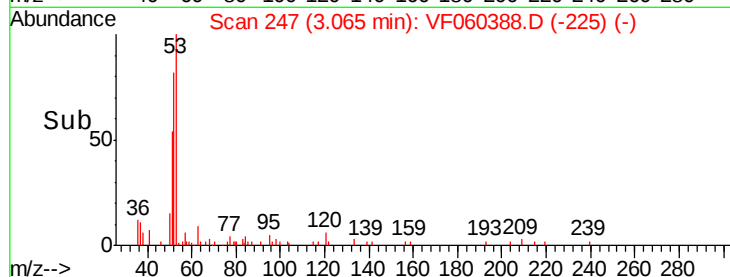
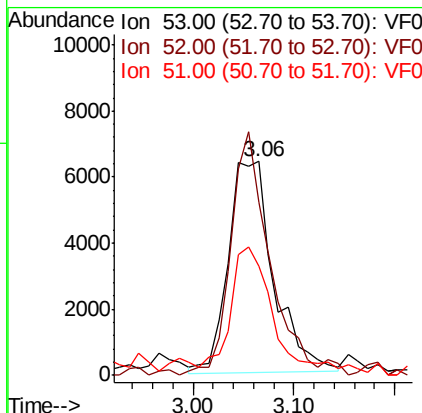
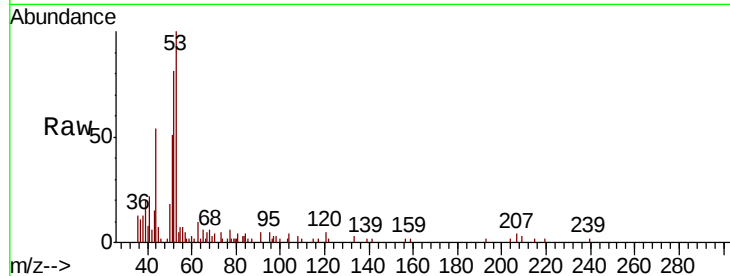
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	19954
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.0	99.0
51	51.3	45.6	68.4

Manual Integrations
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#16

Acetone

Concen: 56.328 ug/l

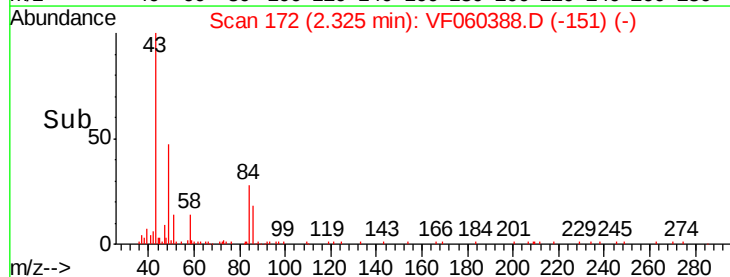
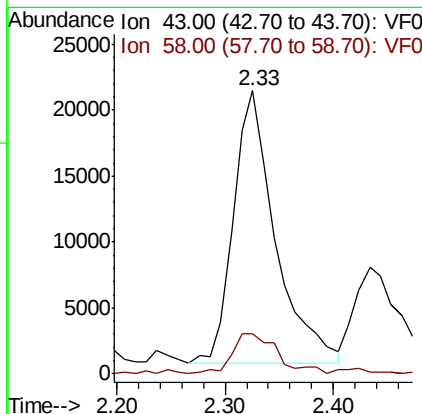
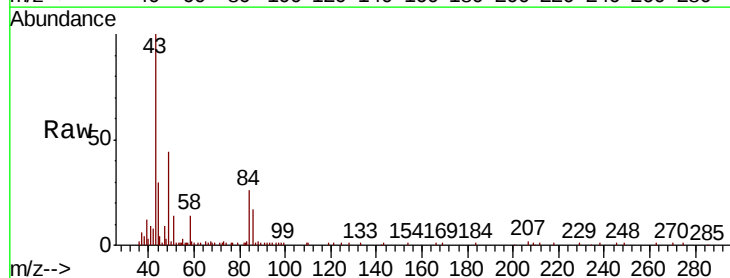
RT: 2.33 min Scan# 172

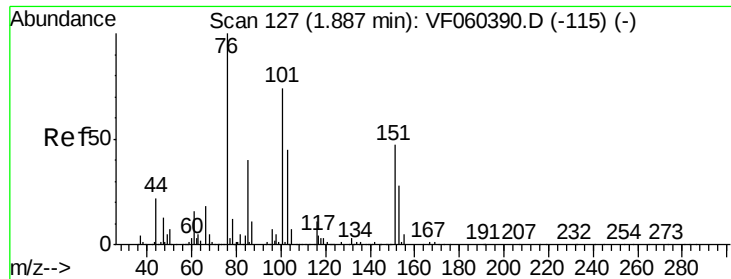
Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion:	43	Resp:	55865
Ion	Ratio	Lower	Upper
43	100		
58	14.0	11.2	16.8





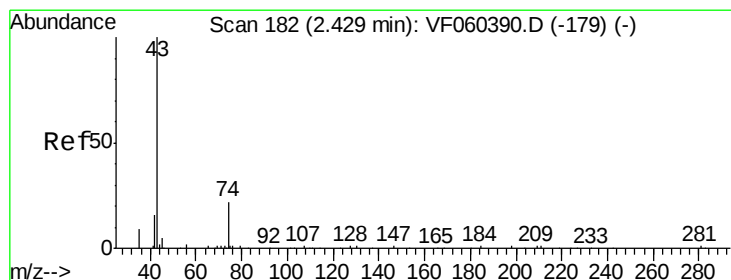
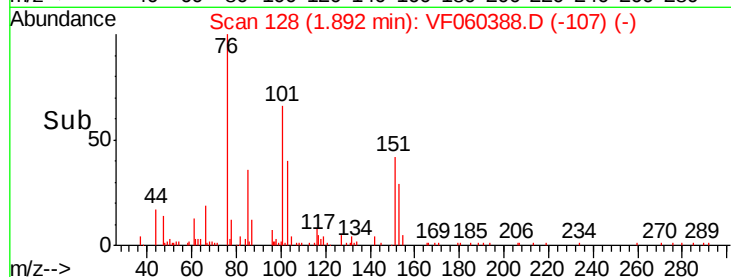
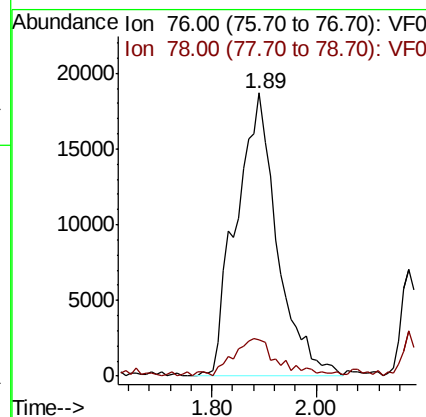
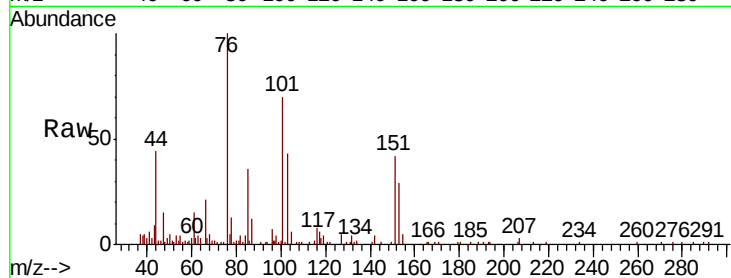
#17
Carbon Disulfide
Concen: 10.673 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 100279
Ion Ratio Lower Upper
76 100
78 12.9 10.1 15.1

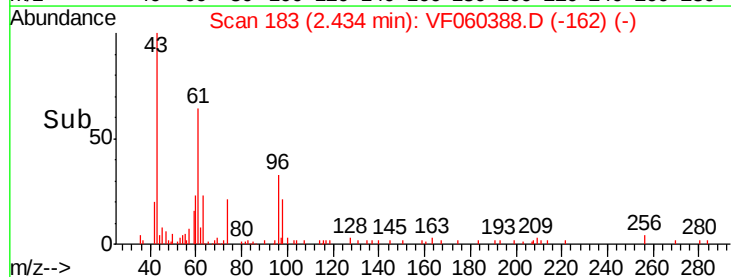
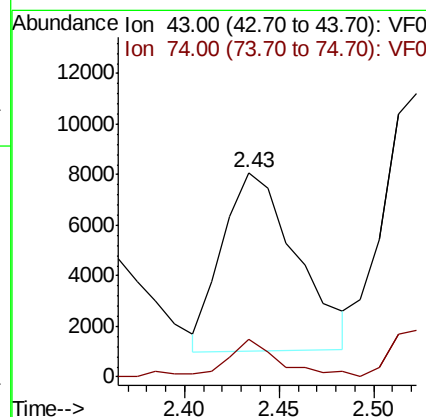
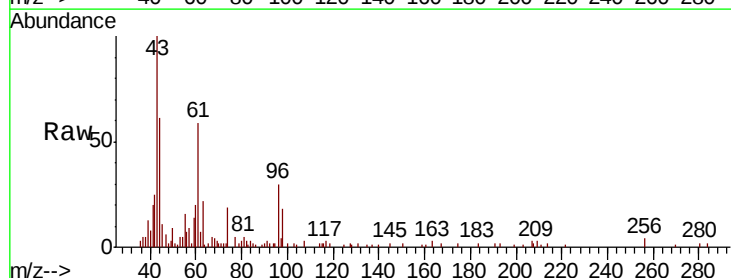
Manual Integrations
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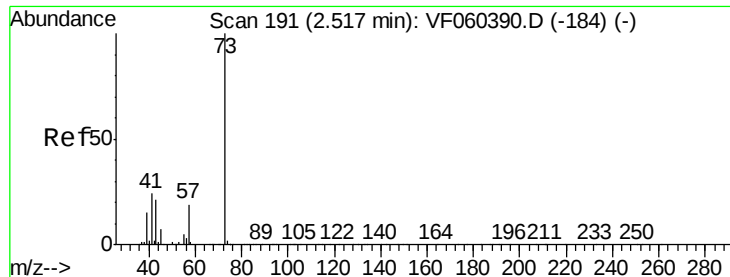
apatel
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#18
Methyl Acetate
Concen: 11.321 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion: 43 Resp: 19245
Ion Ratio Lower Upper
43 100
74 18.6 15.8 23.8





#19

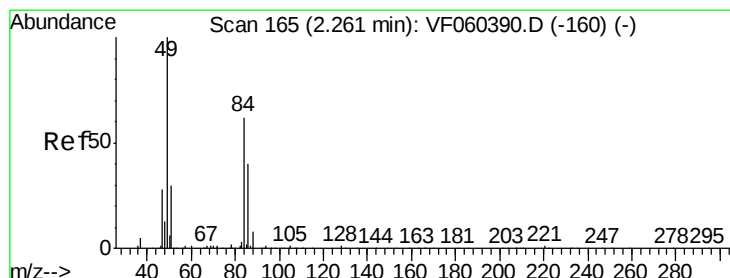
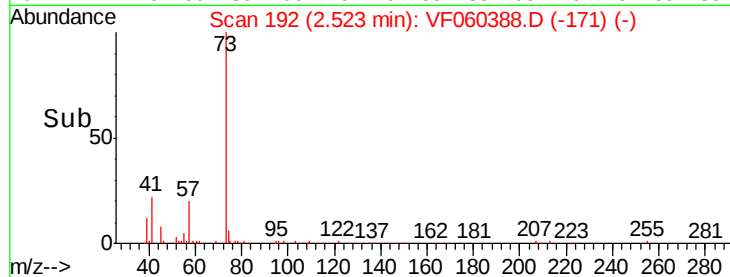
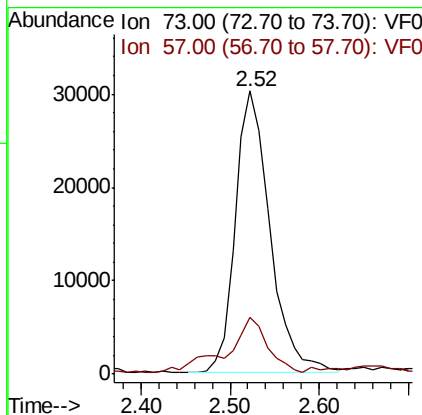
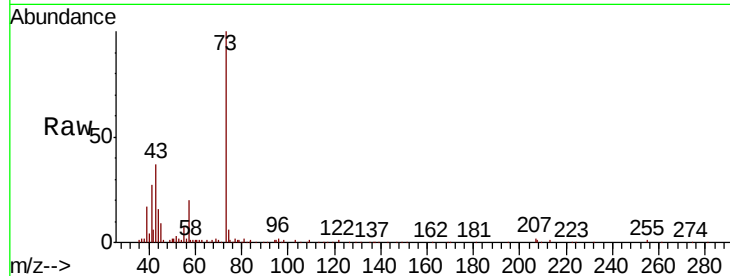
Methyl tert-butyl Ether
 Concen: 10.587 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	15.9	23.9

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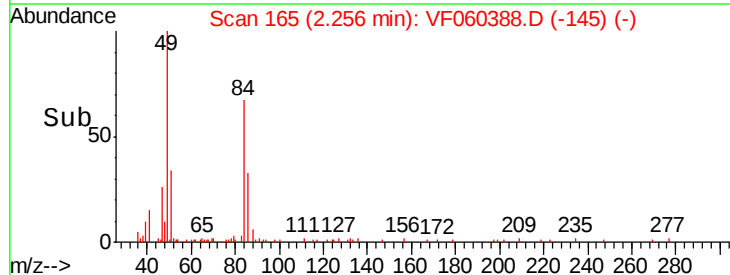
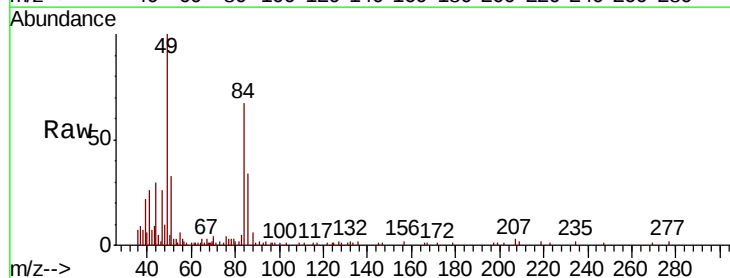
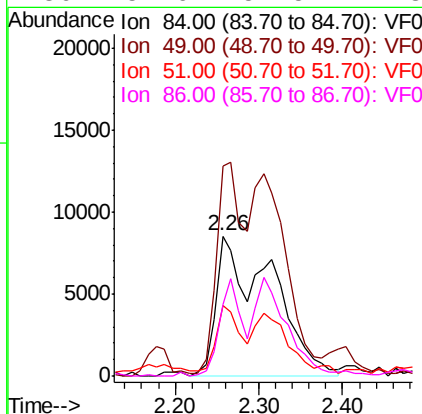
apatel
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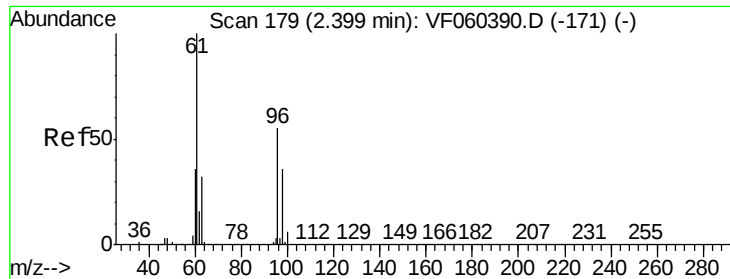


#20

Methylene Chloride
 Concen: 11.019 ug/l m
 RT: 2.26 min Scan# 165
 Delta R.T. -0.00 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.0	130.2	195.2
51	49.9	41.0	61.6
86	51.6	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 10.692 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

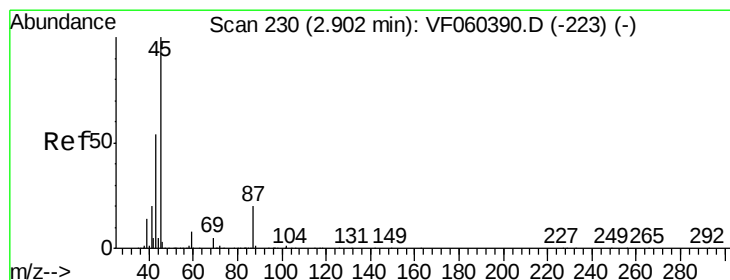
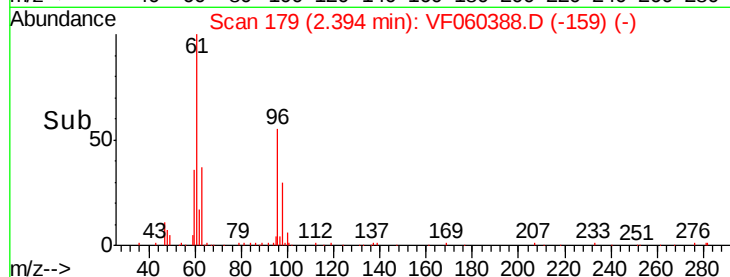
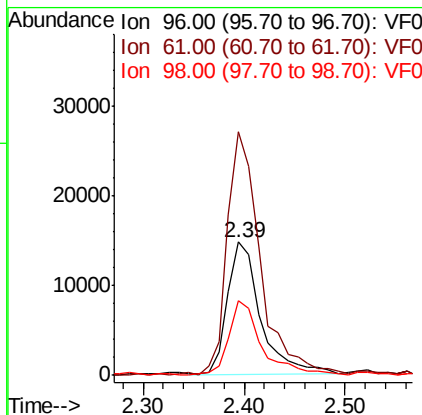
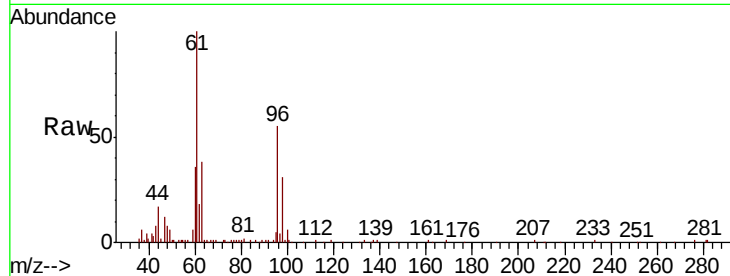
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	33914
Ion	Ratio	Lower	Upper
96	100		
61	169.0	146.2	219.2
98	51.8	52.6	78.8#

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#22

Diisopropyl ether

Concen: 9.596 ug/l

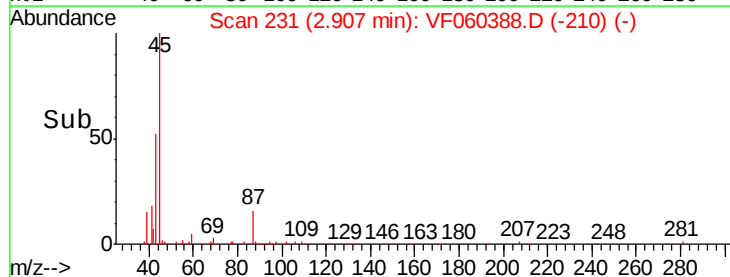
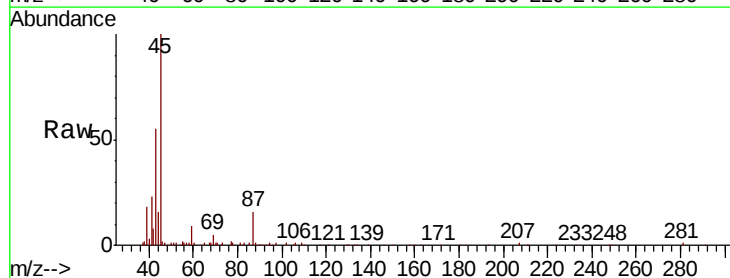
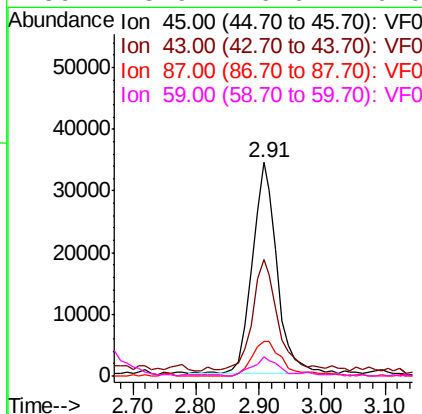
RT: 2.91 min Scan# 231

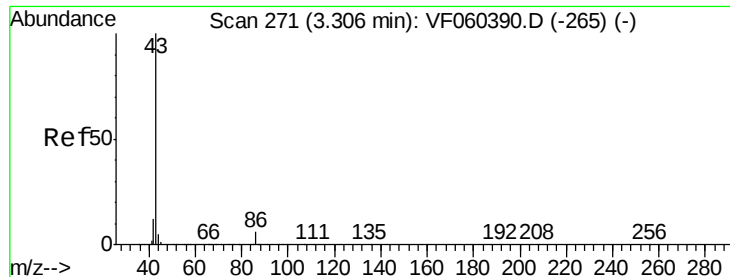
Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion:	45	Resp:	94799
Ion	Ratio	Lower	Upper
45	100		
43	54.6	43.8	65.8
87	16.2	16.3	24.5#
59	8.9	6.6	10.0





#23

Vinyl Acetate

Concen: 48.472 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tot Ion: 43 Resp: 189008

Ion Ratio Lower Upper

43 100

86 6.4 5.1 7.7

Instrument :

MSVOA_F

ClientSampleId :

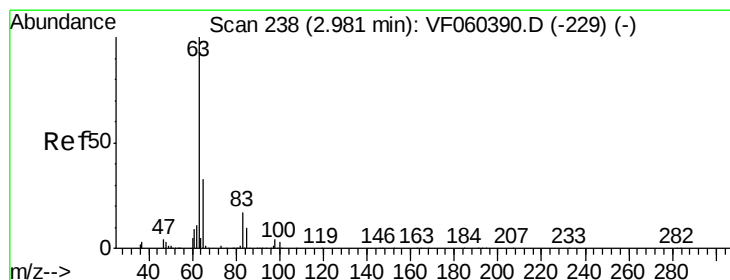
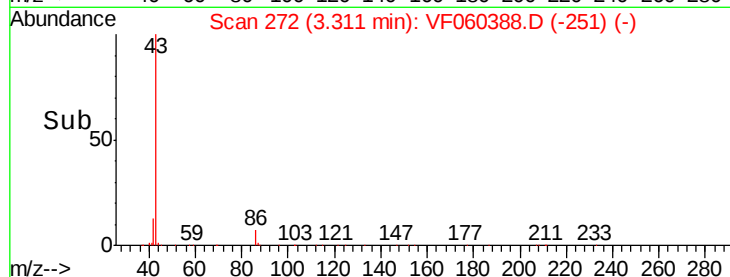
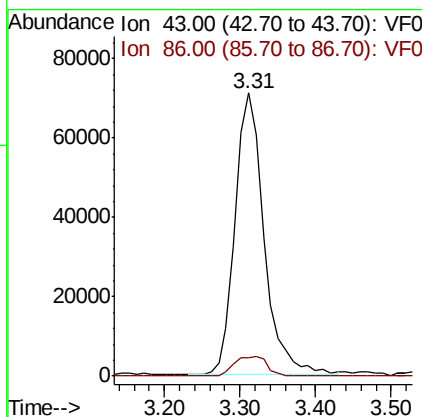
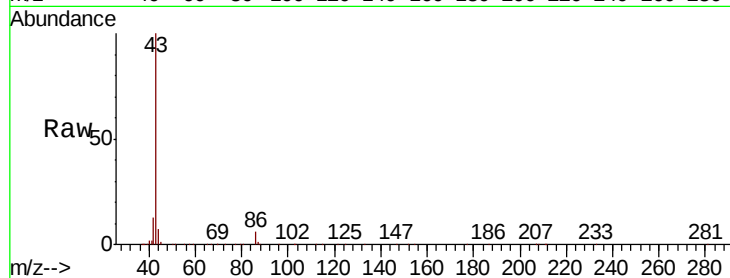
VSTDIC010

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#24

1,1-Dichloroethane

Concen: 10.181 ug/l

RT: 2.98 min Scan# 238

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

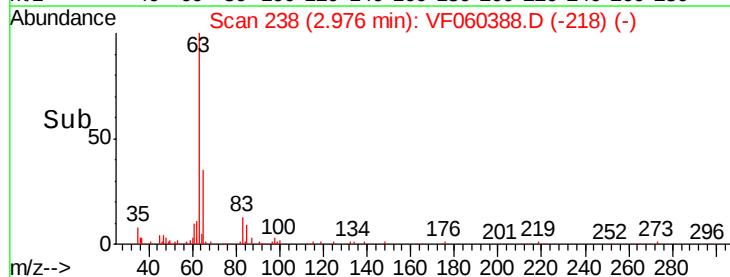
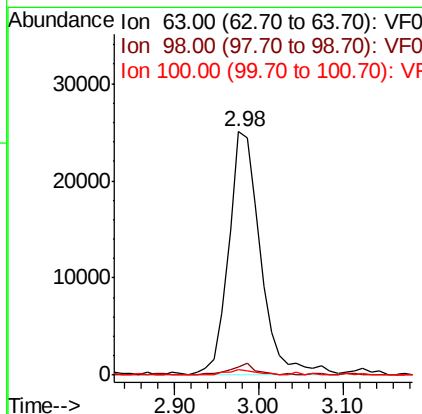
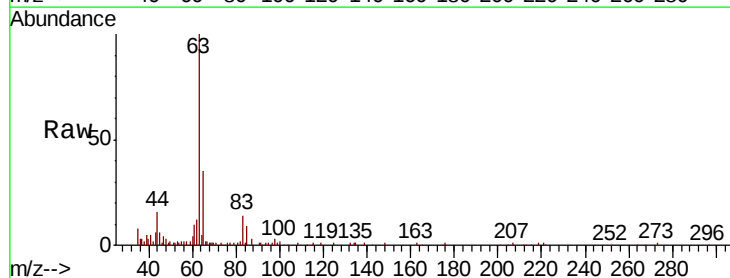
Tgt Ion: 63 Resp: 66344

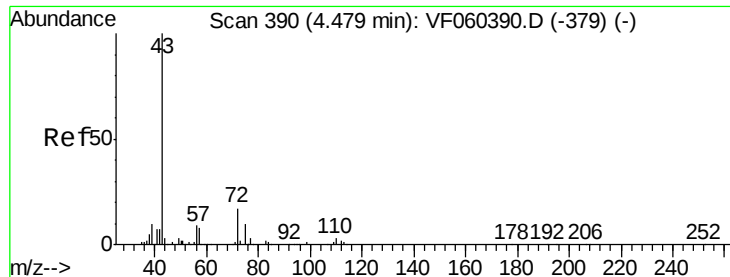
Ion Ratio Lower Upper

63 100

98 3.3 2.0 5.8

100 2.2 1.4 4.2





#25

2-Butanone

Concen: 45.531 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 58751

Ion Ratio Lower Upper

43 100

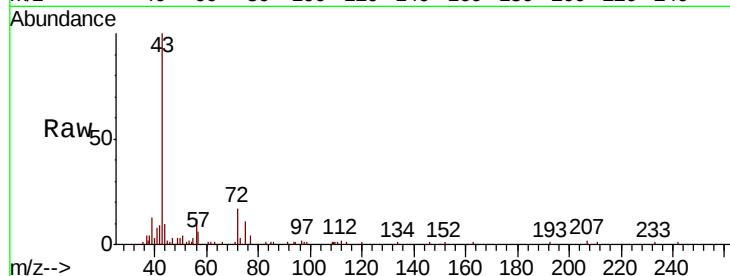
72 17.3 14.1 21.1

Manual Integrations

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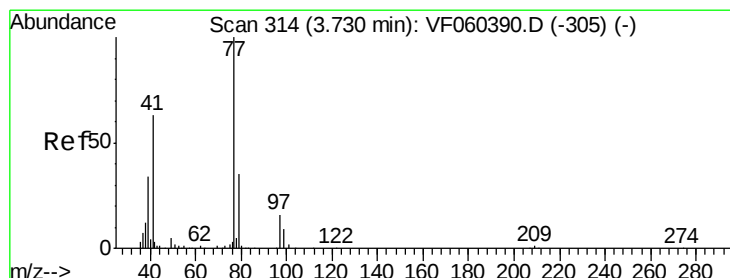
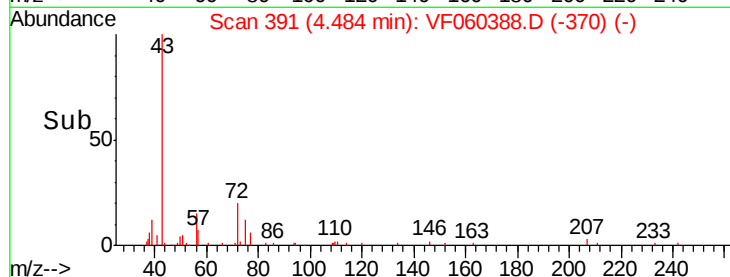
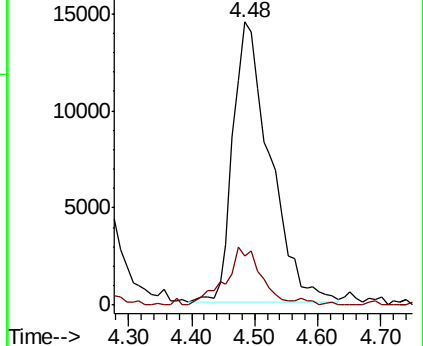
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 10.519 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060388.D

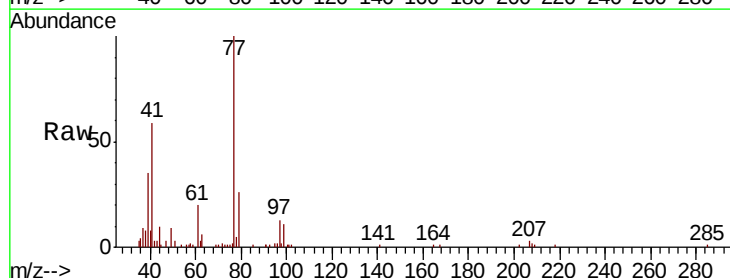
Acq: 1 Oct 2018 17:46

Tgt Ion: 77 Resp: 38663

Ion Ratio Lower Upper

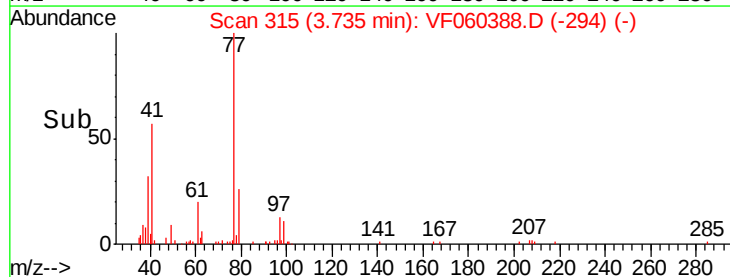
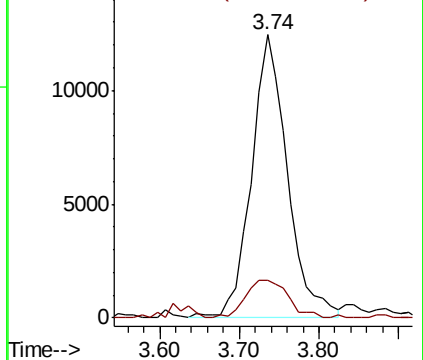
77 100

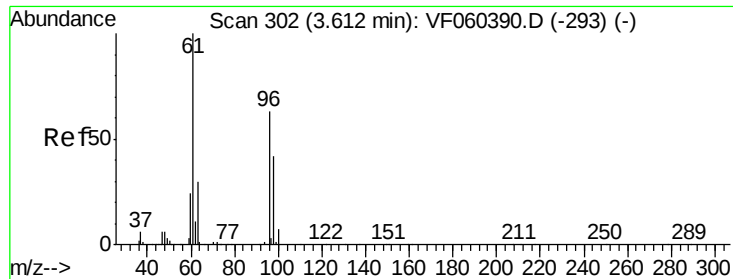
97 13.3 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

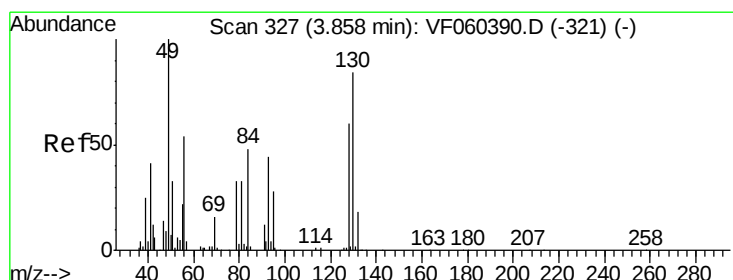
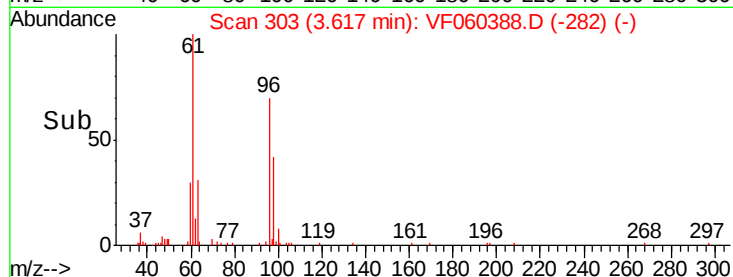
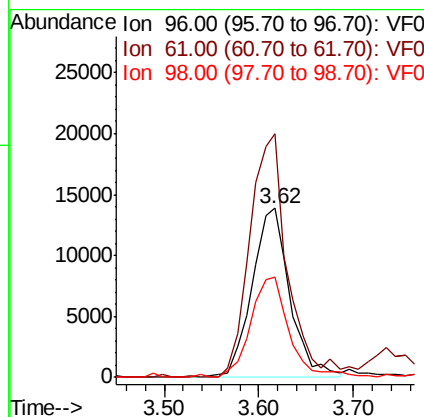
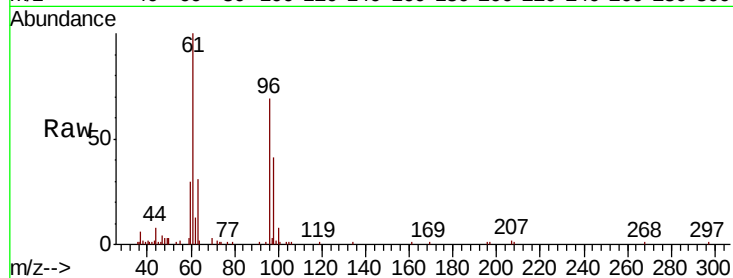
cis-1,2-Dichloroethene
 Concen: 9.538 ug/l
 RT: 3.62 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	38513		
61	144.2	0.0	318.2	
98	59.4	0.0	134.0	

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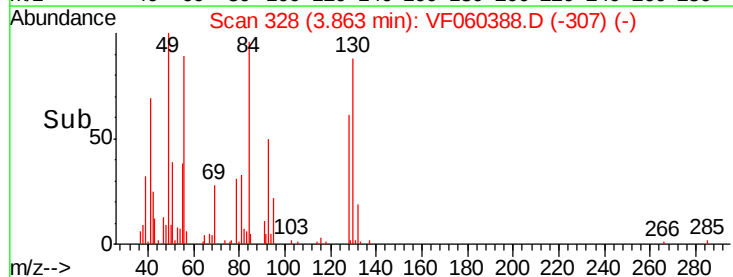
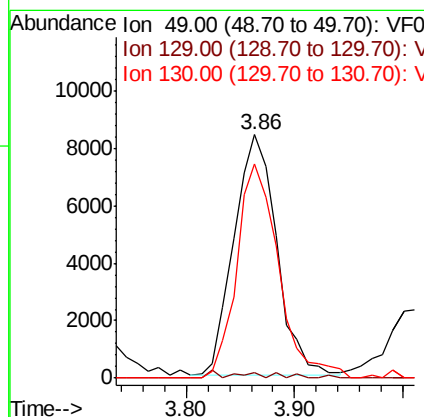
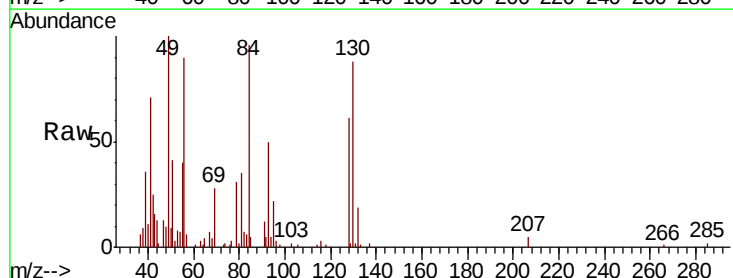
apatel
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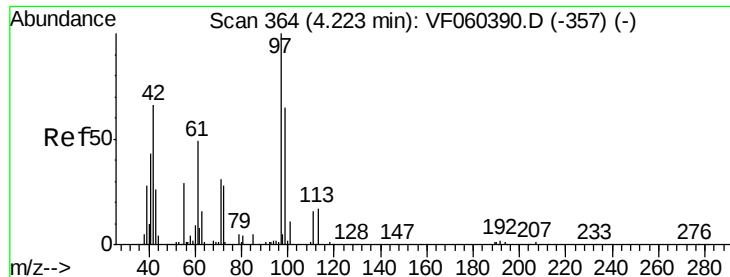


#28

Bromochloromethane
 Concen: 9.099 ug/l
 RT: 3.86 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23078		
129	2.4	0.0	4.6	
130	87.9	67.3	100.9	





#29

Tetrahydrofuran

Concen: 40.977 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

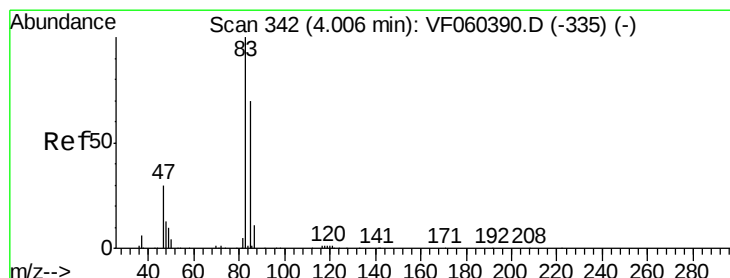
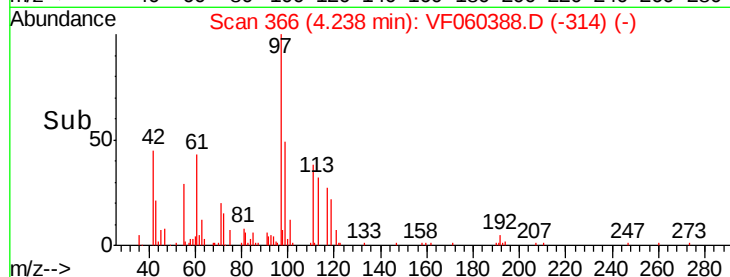
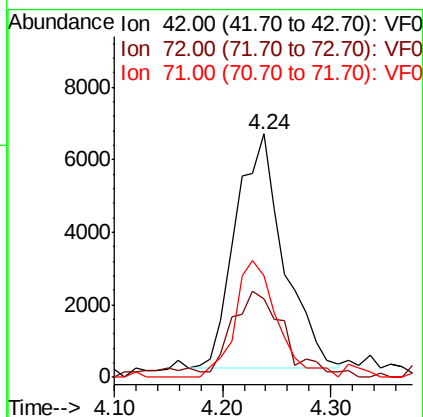
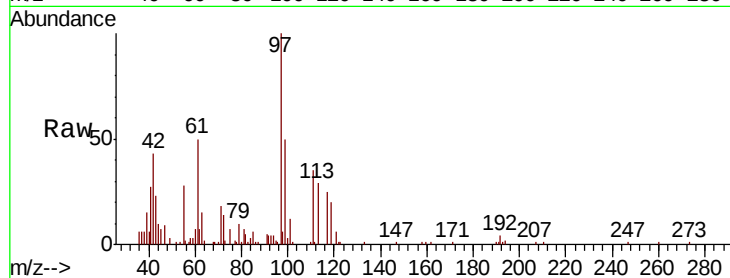
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	19874
Ion Ratio	Lower	Upper	
42	100		
72	40.7	33.6	50.4
71	44.3	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 10.177 ug/l

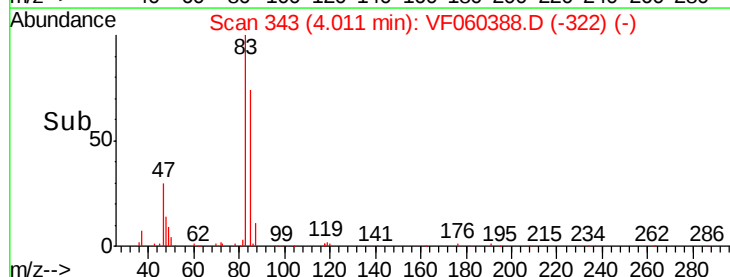
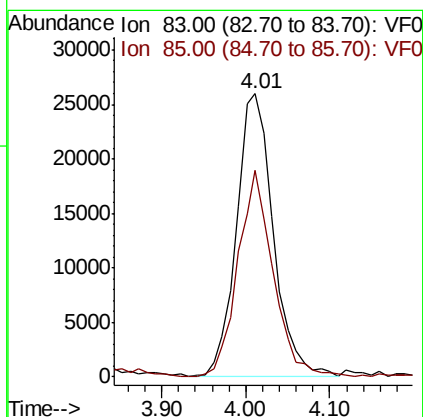
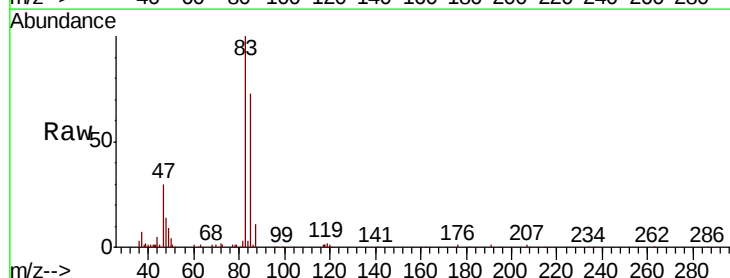
RT: 4.01 min Scan# 343

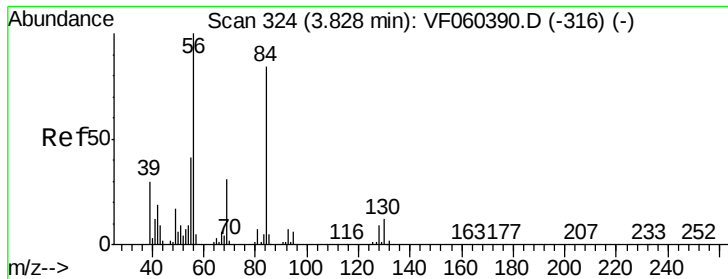
Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion:	83	Resp:	79553
Ion Ratio	Lower	Upper	
83	100		
85	73.2	55.9	83.9





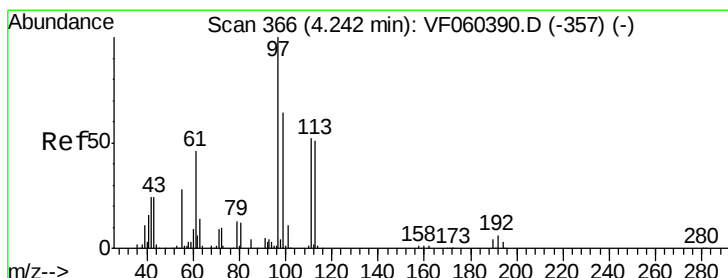
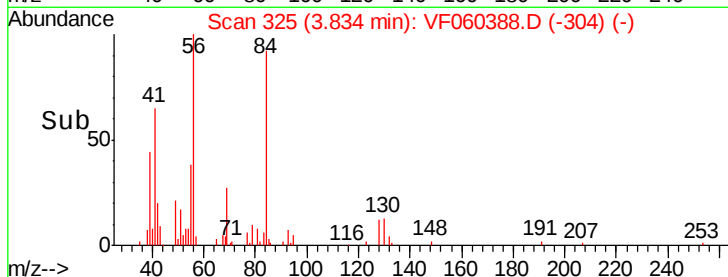
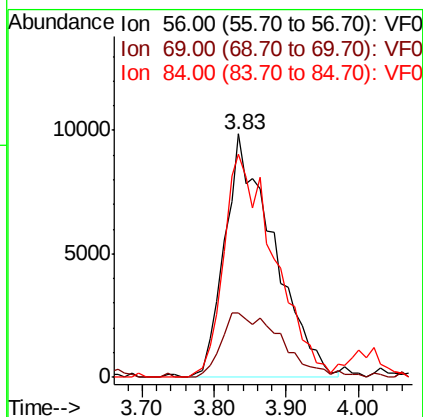
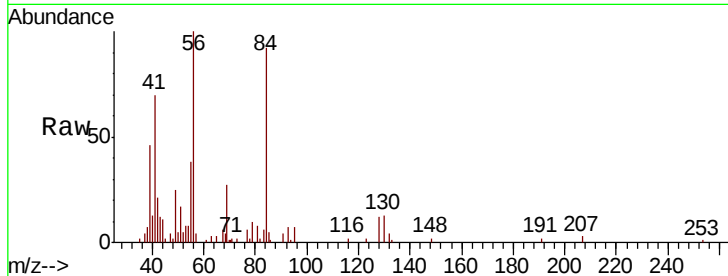
#31
Cyclohexane
Concen: 8.607 ug/l
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.7	25.5	38.3
84	91.5	67.4	101.0

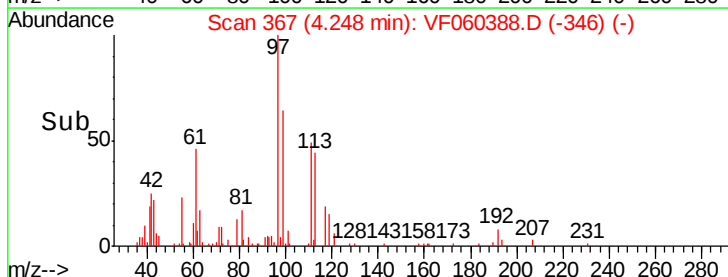
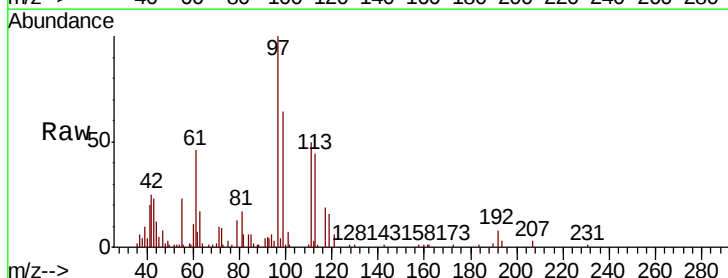
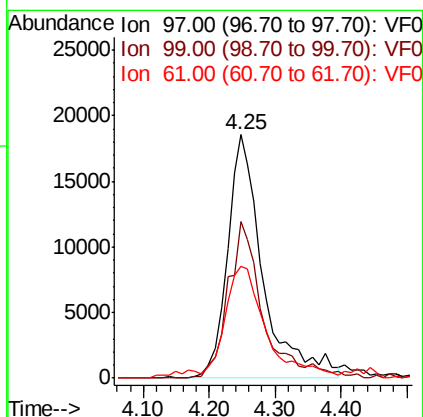
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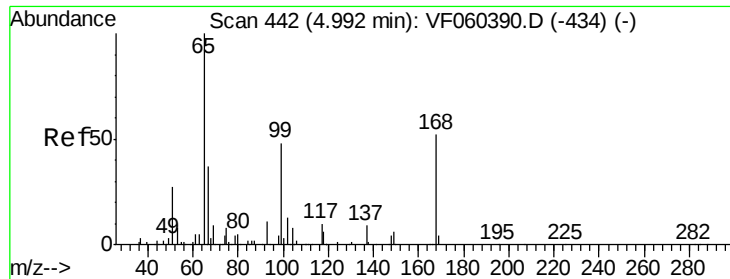
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#32
1,1,1-Trichloroethane
Concen: 11.146 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	46.0	37.5	56.3





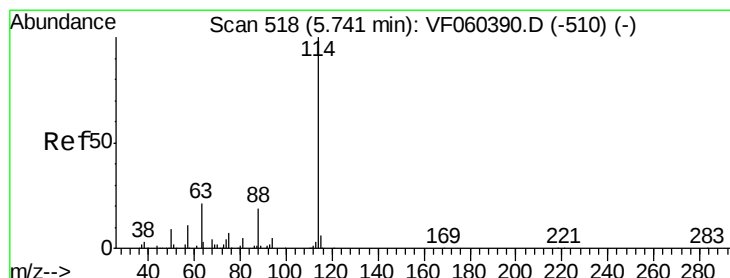
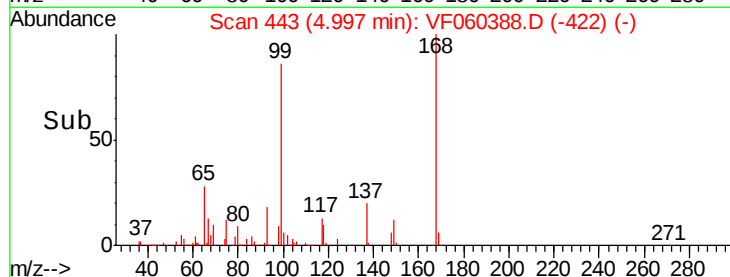
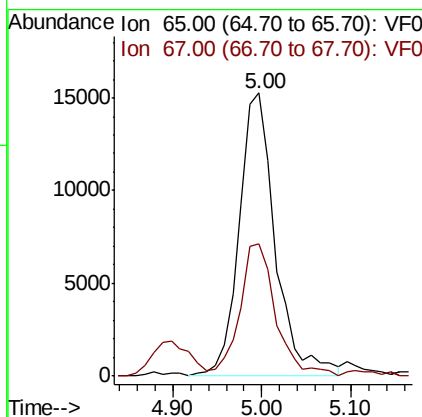
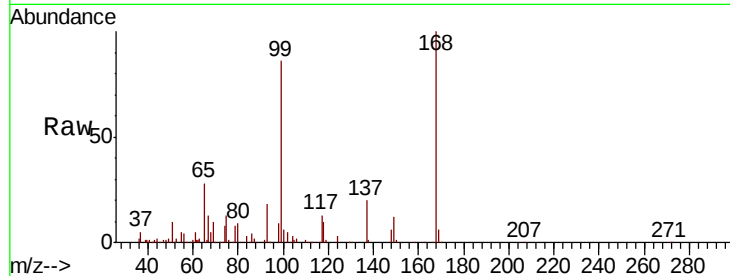
#33
 1,2-Dichloroethane-d4
 Concen: 11.643 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	43033		
67	46.9	0.0	89.4	

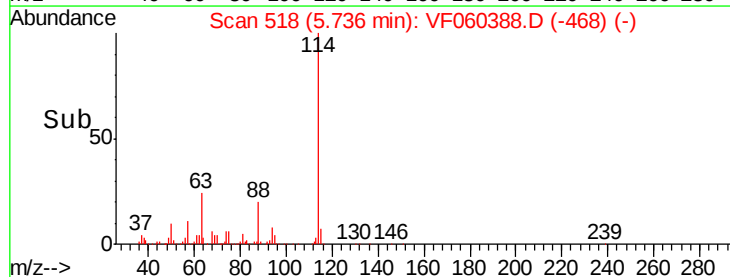
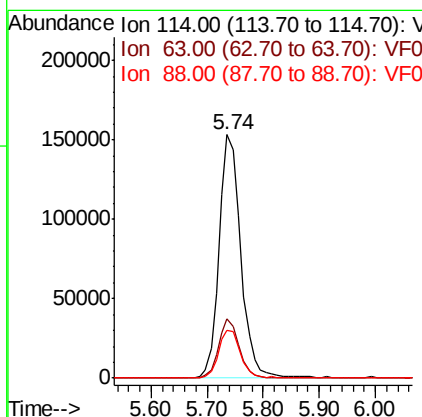
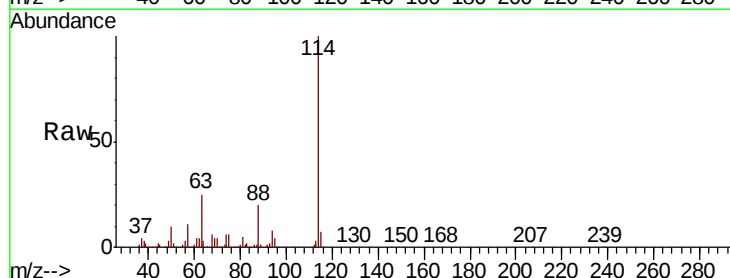
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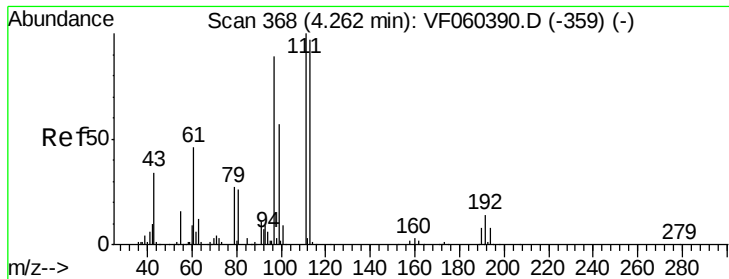
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417409		
63	24.5	0.0	42.2	
88	19.8	0.0	38.8	





#35

Dibromofluoromethane

Concen: 10.842 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

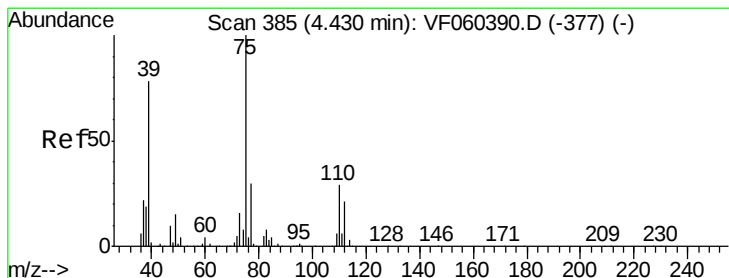
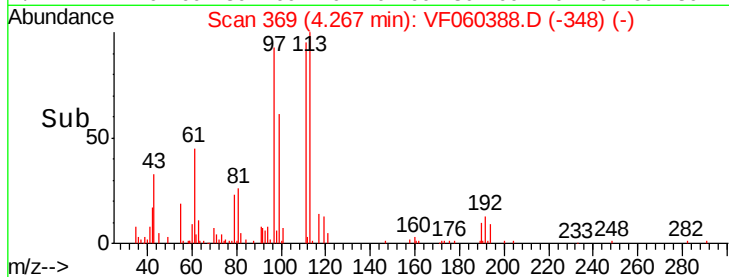
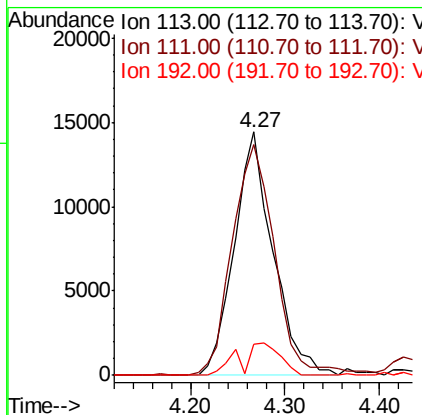
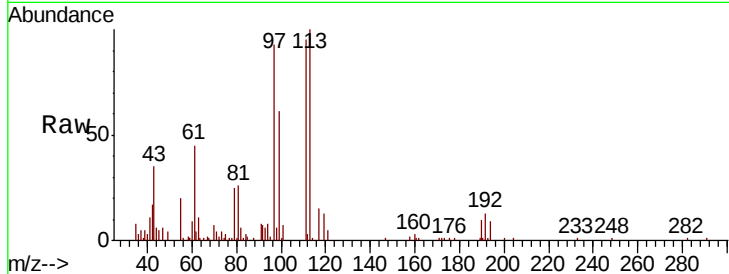
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	41129
Ion Ratio	Lower	Upper	
113	100		
111	94.7	82.3	123.5
192	12.7	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.209 ug/l

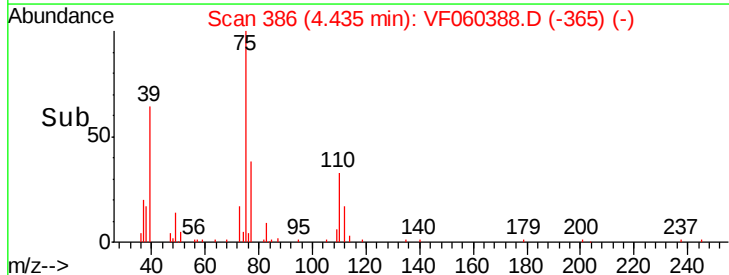
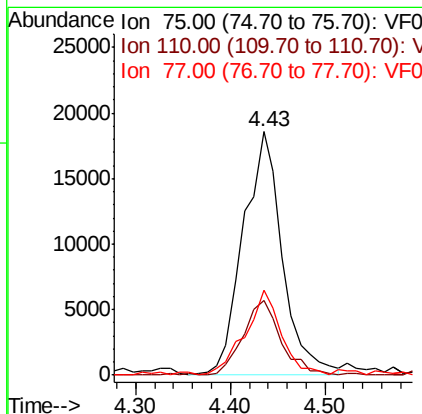
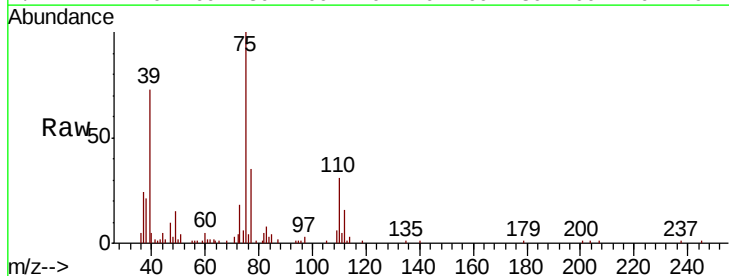
RT: 4.43 min Scan# 386

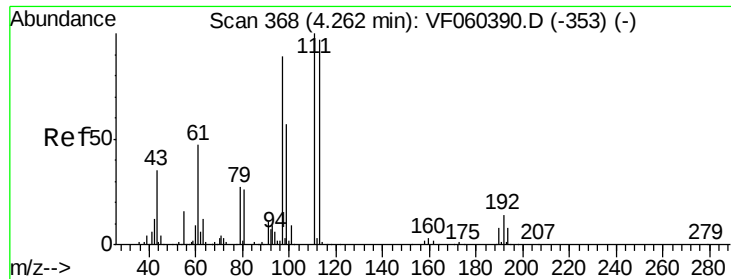
Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion:	75	Resp:	53590
Ion Ratio	Lower	Upper	
75	100		
110	30.5	14.5	43.6
77	34.9	24.3	36.5





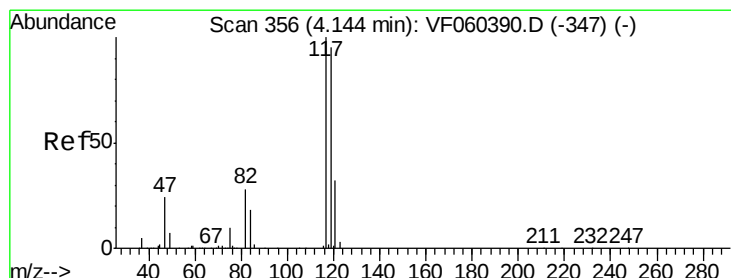
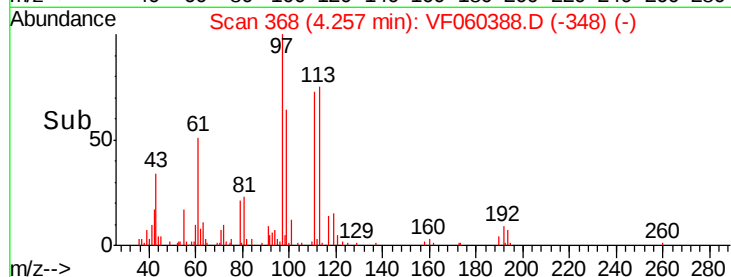
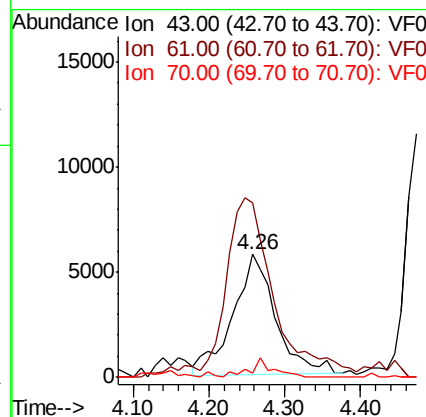
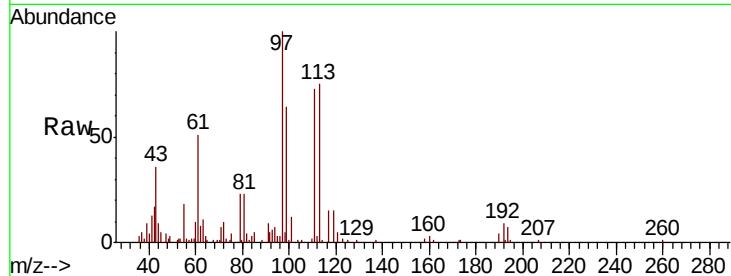
#37
Ethyl Acetate
Concen: 10.327 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	61	70	Ratio	Lower	Upper
22399	100	142.3	3.4			
		105.1	8.0			
		157.7	12.0			

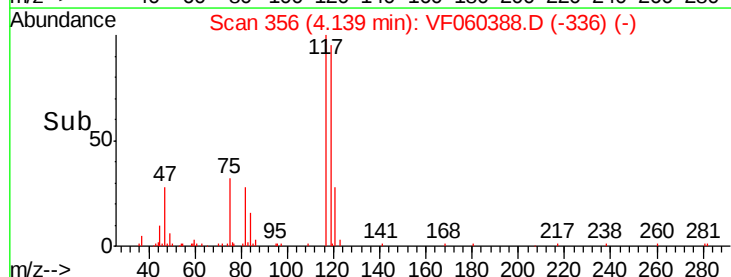
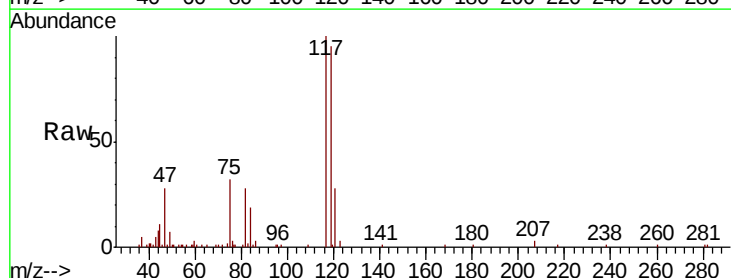
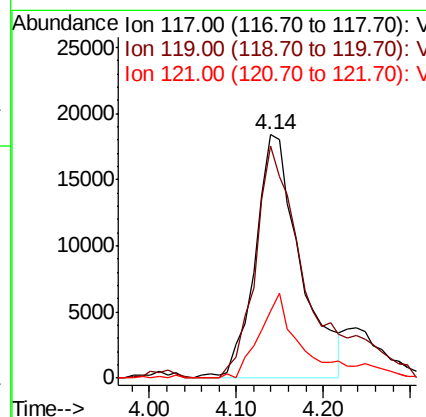
Manual Integrations
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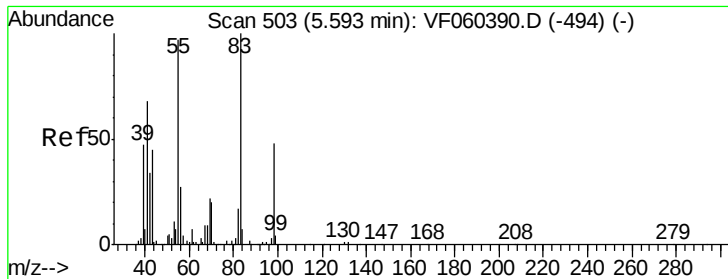
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#38
Carbon Tetrachloride
Concen: 11.225 ug/l m
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	117	119	121	Ratio	Lower	Upper
66333	100	95.3	27.5			
		75.5	25.4			
		113.3	38.0			





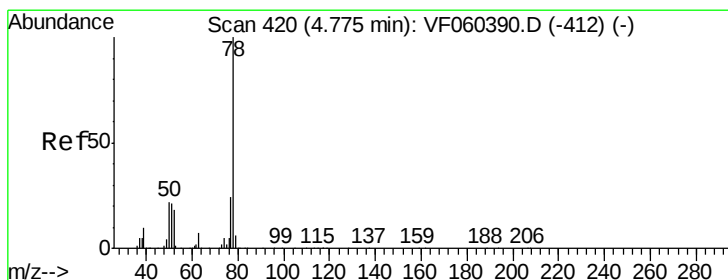
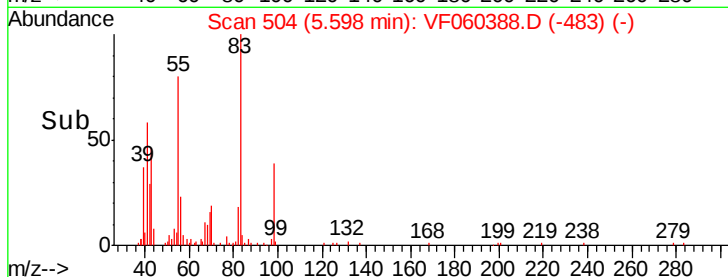
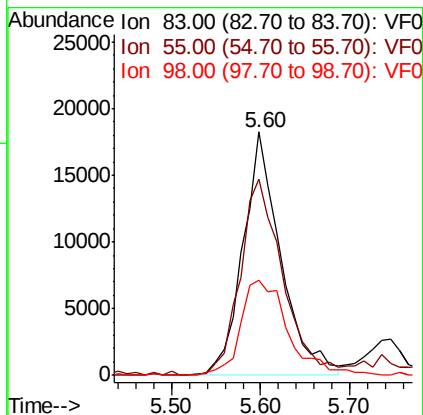
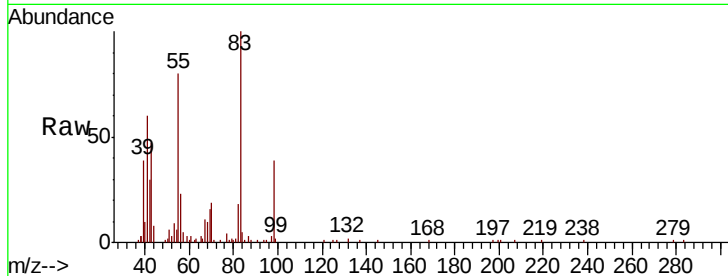
#39
Methvlcvclohexane
Concen: 9.739 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	77.5	116.3
98	39.0	38.7	58.1

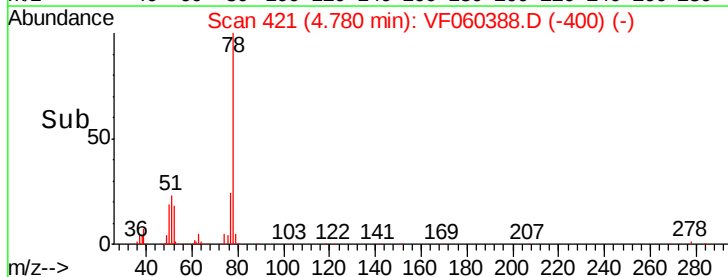
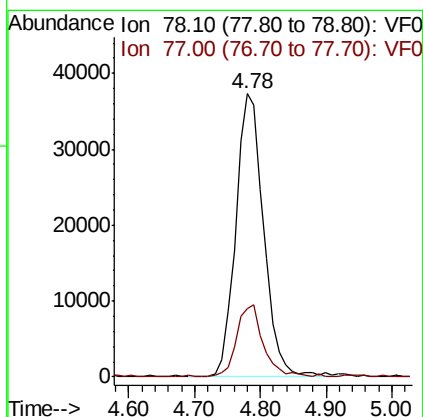
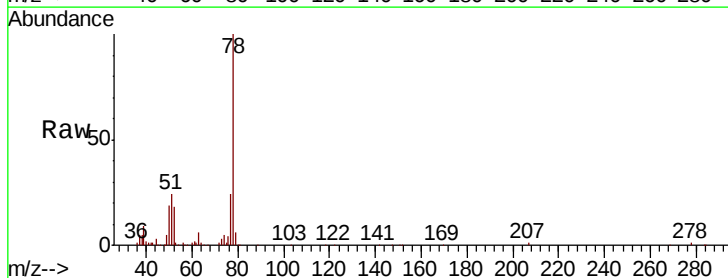
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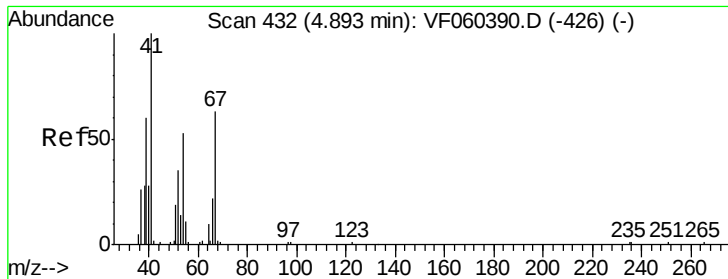
apatel
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#40
Benzene
Concen: 9.643 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





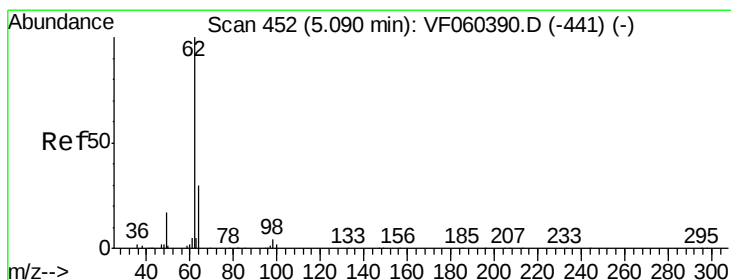
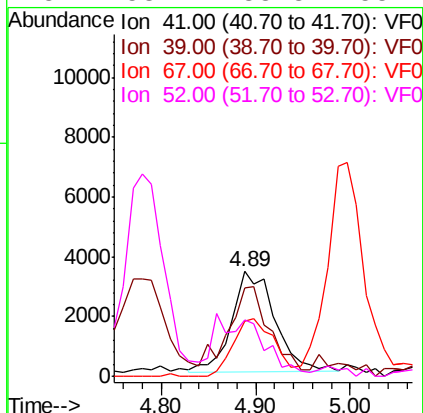
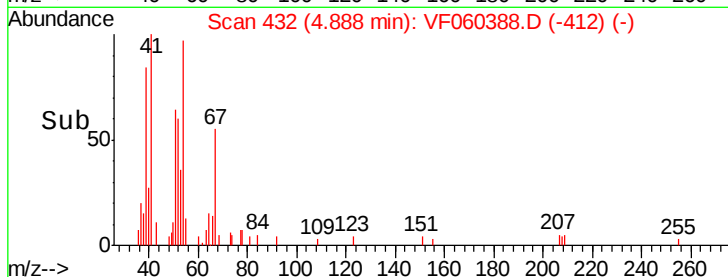
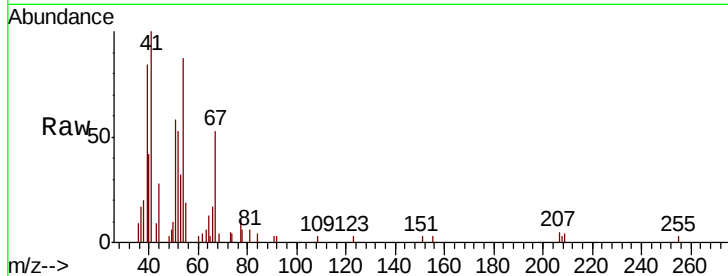
#41
Methacrylonitrile
Concen: 9.195 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	83.9	55.0	82.4#
67	52.7	49.6	74.4
52	53.4	38.8	58.2

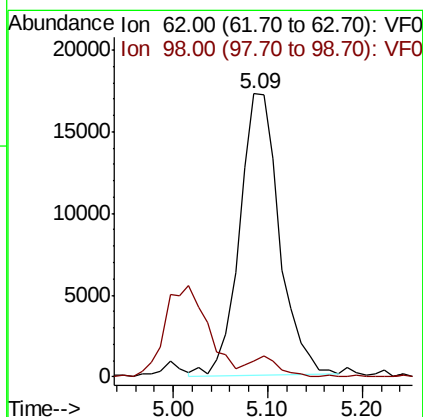
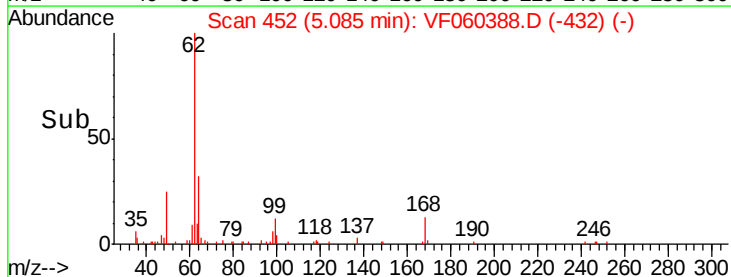
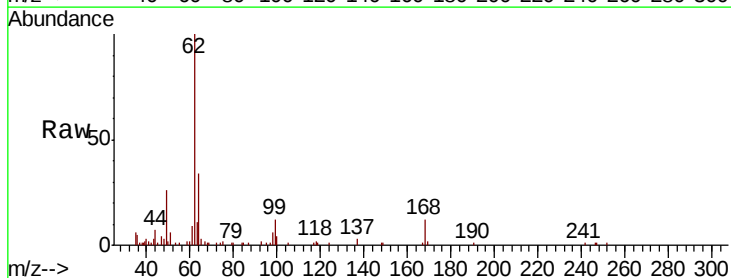
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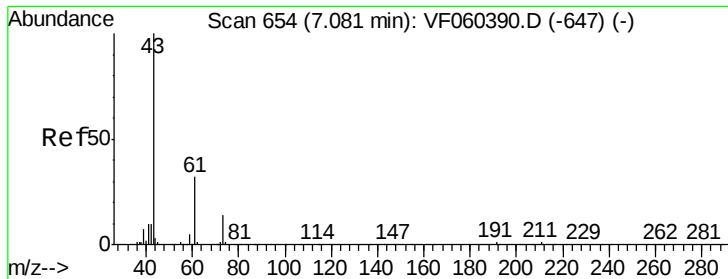
apatel
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#42
1,2-Dichloroethane
Concen: 11.179 ug/l
RT: 5.09 min Scan# 452
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	11.2





#43

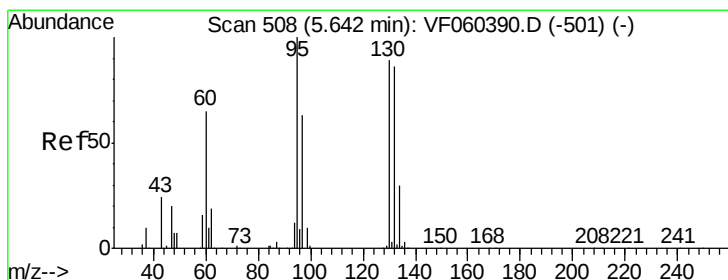
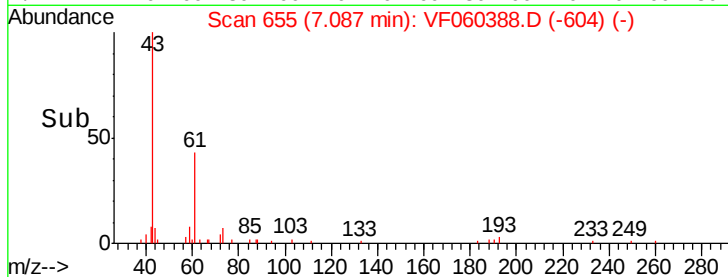
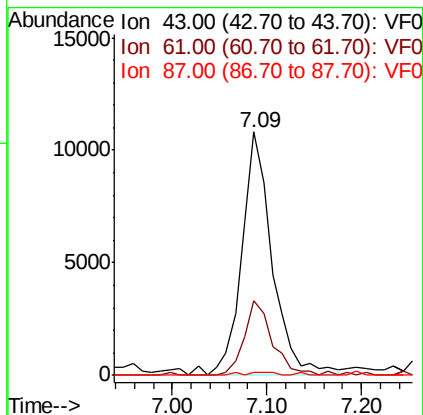
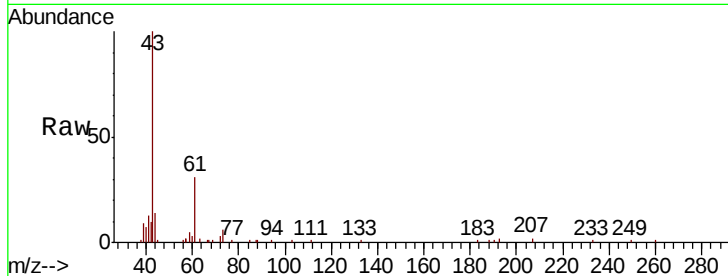
Isopropyl Acetate
 Concen: 9.264 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.4	38.2
87	1.3	0.3	0.5

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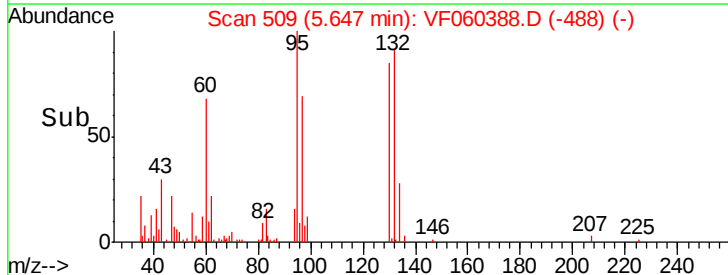
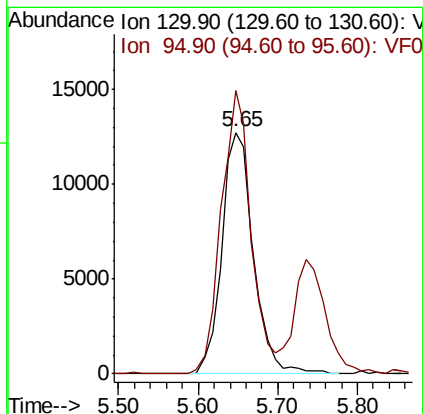
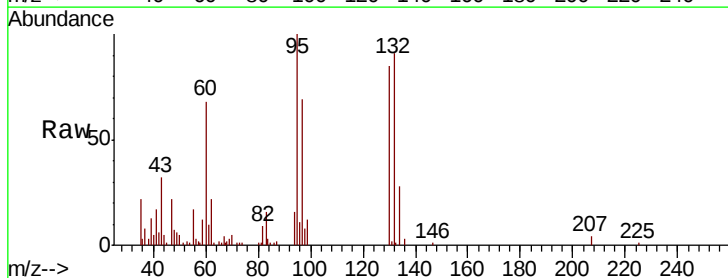
apatel
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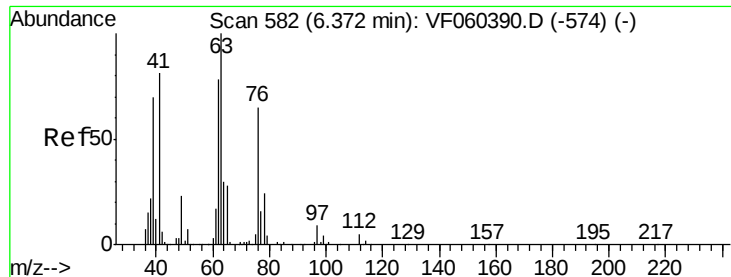


#44

Trichloroethene
 Concen: 10.205 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.3	0.0	224.4





#45

1,2-Dichloropropane

Concen: 9.584 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 28829

Ion Ratio Lower Upper

63 100

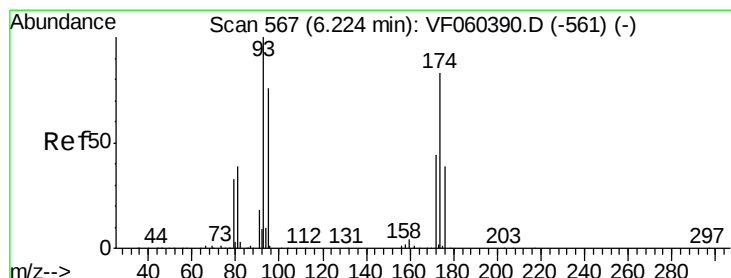
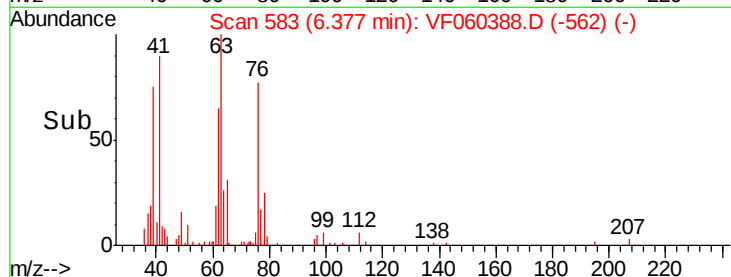
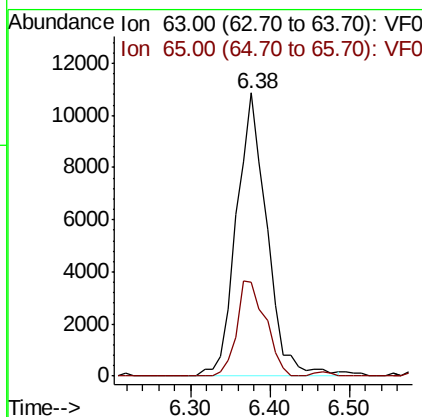
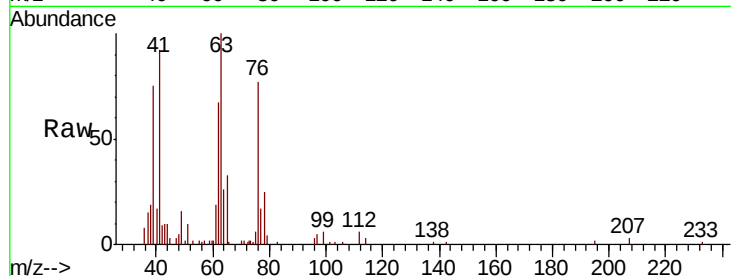
65 34.1 22.7 34.1#

Manual Integrations

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#46

Dibromomethane

Concen: 10.422 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

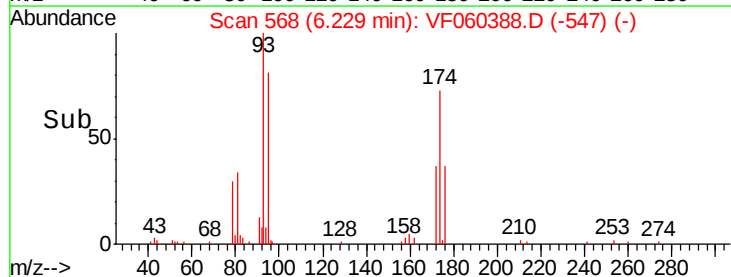
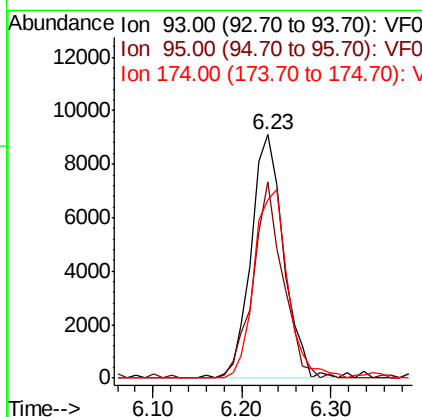
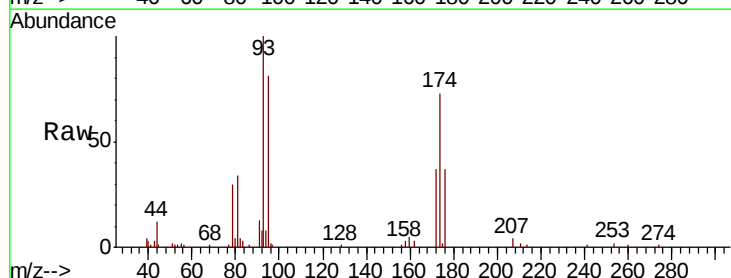
Tgt Ion: 93 Resp: 22899

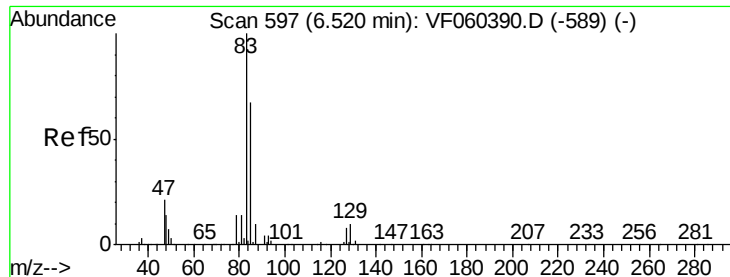
Ion Ratio Lower Upper

93 100

95 80.7 61.1 91.7

174 75.1 66.7 100.1





#47

Bromodichloromethane

Concen: 10.143 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

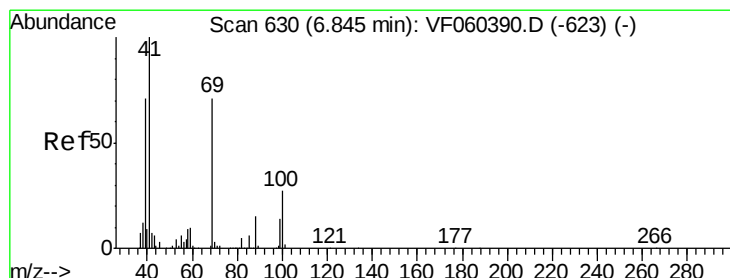
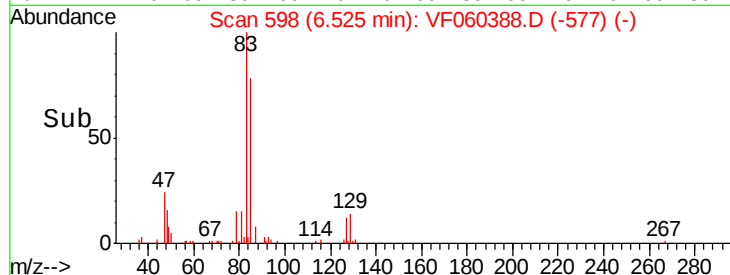
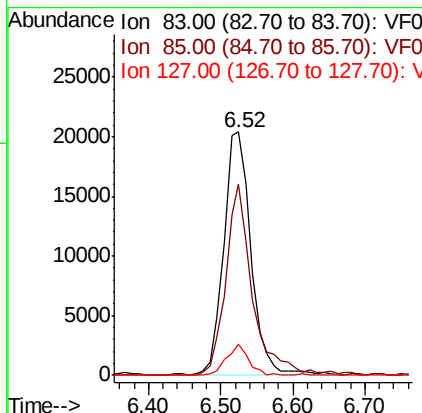
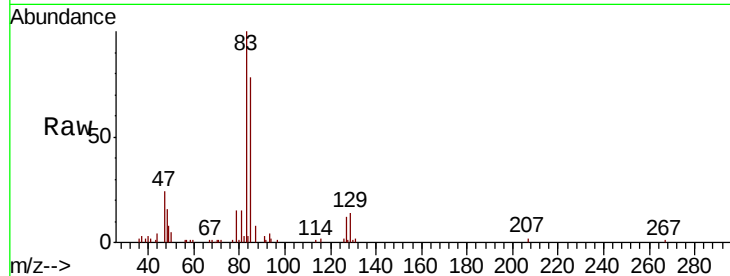
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	53820
Ion Ratio	Lower	Upper	
83	100		
85	78.4	53.2	79.8
127	12.8	6.6	9.8#

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.808 ug/l

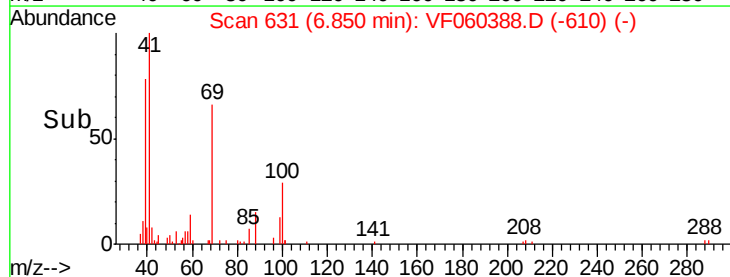
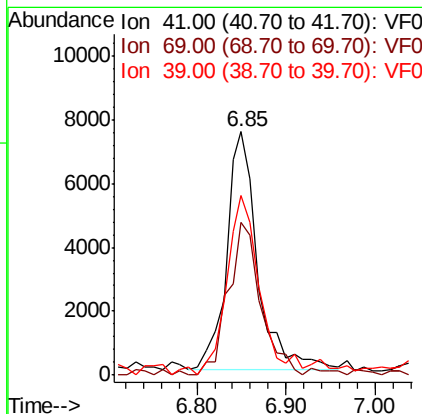
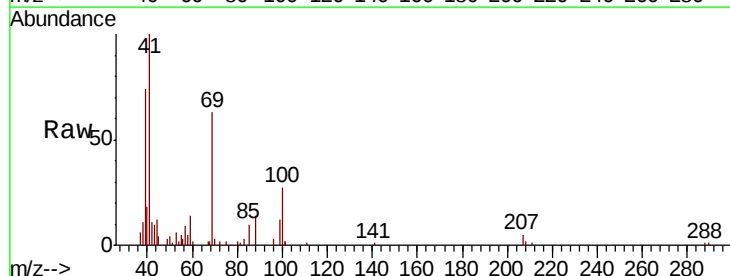
RT: 6.85 min Scan# 631

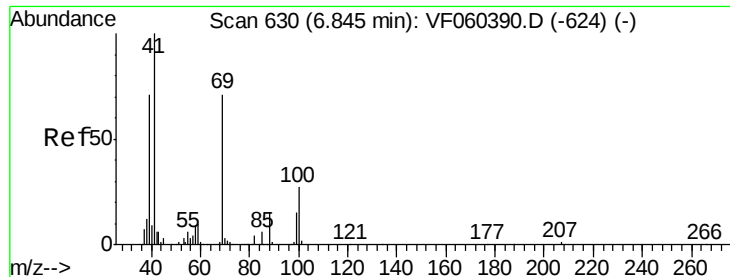
Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion:	41	Resp:	18234
Ion Ratio	Lower	Upper	
41	100		
69	62.5	56.3	84.5
39	74.0	56.9	85.3





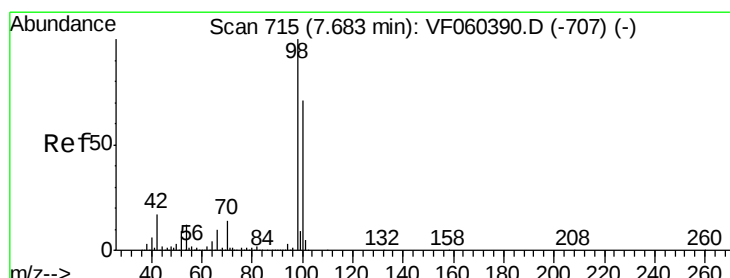
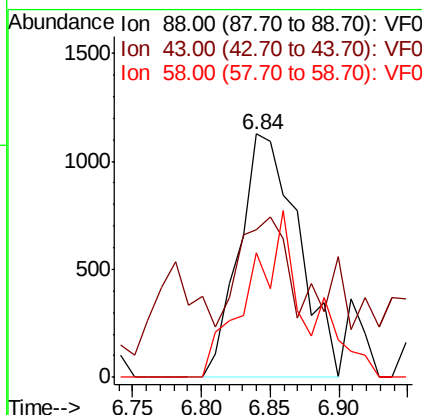
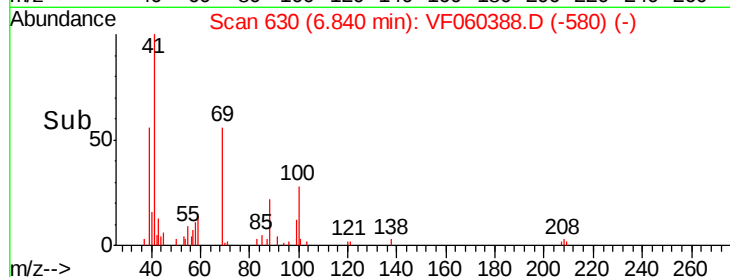
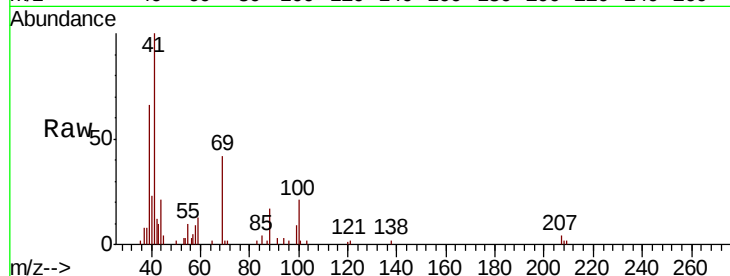
#49
1,4-Dioxane
Concen: 203.668 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	60.7	38.3	57.5#
58	51.0	47.4	71.2

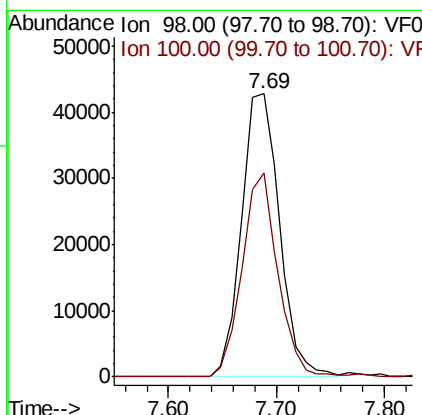
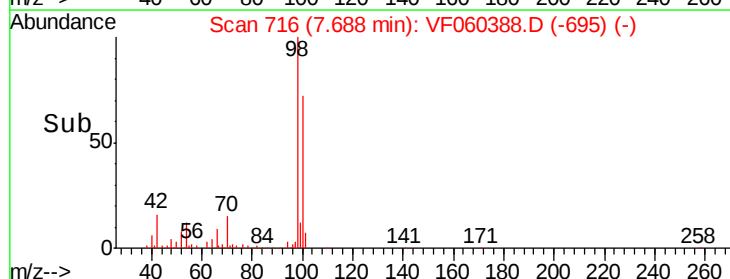
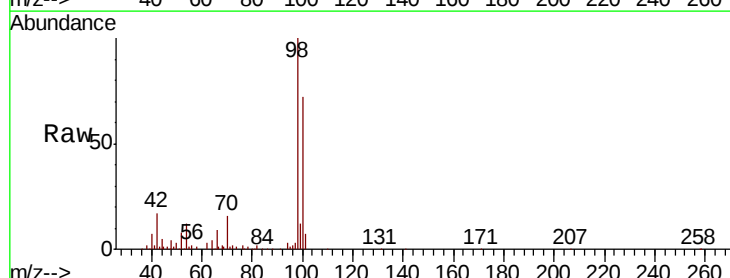
Manual Integrations
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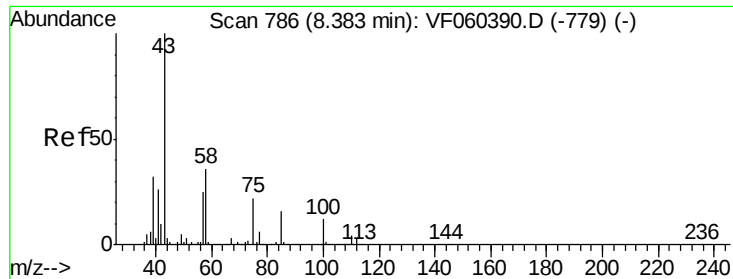
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#50
Toluene-d8
Concen: 10.735 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.1	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 45.892 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 90051

Ion Ratio Lower Upper

43 100

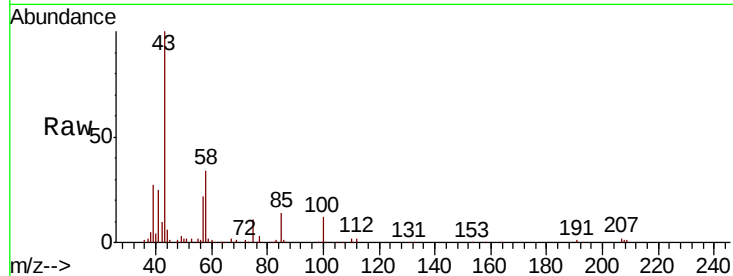
58 34.5 28.5 42.7

Manual Integrations

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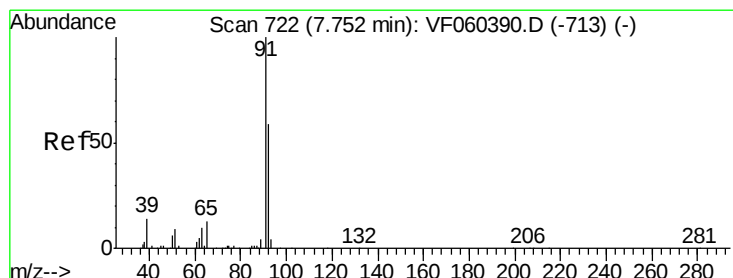
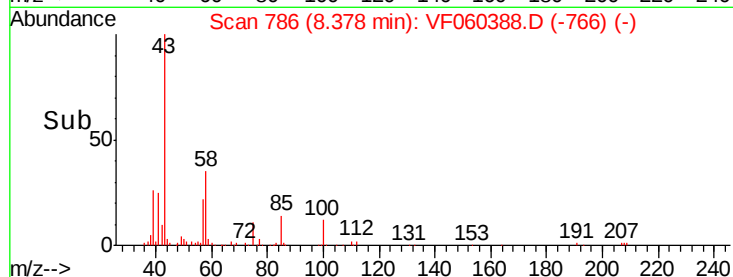
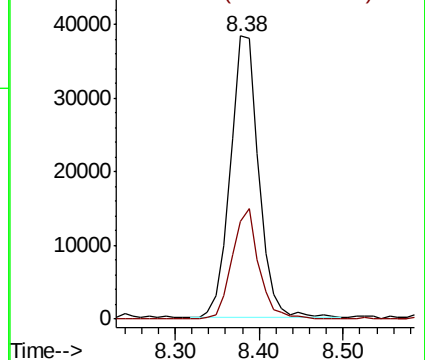
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 10.539 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060388.D

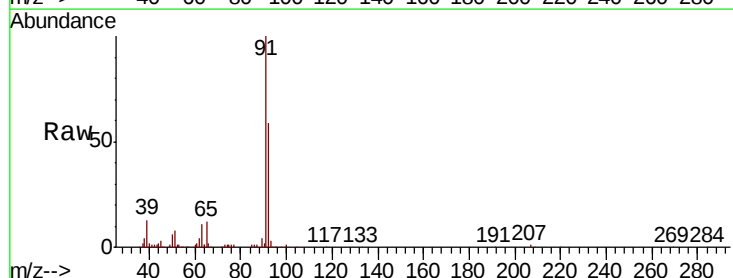
Acq: 1 Oct 2018 17:46

Tgt Ion: 92 Resp: 77645

Ion Ratio Lower Upper

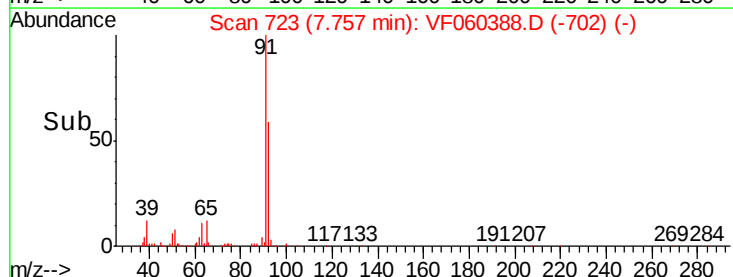
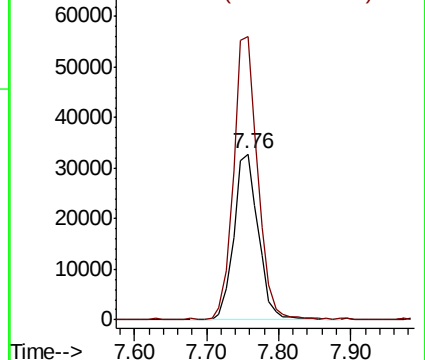
92 100

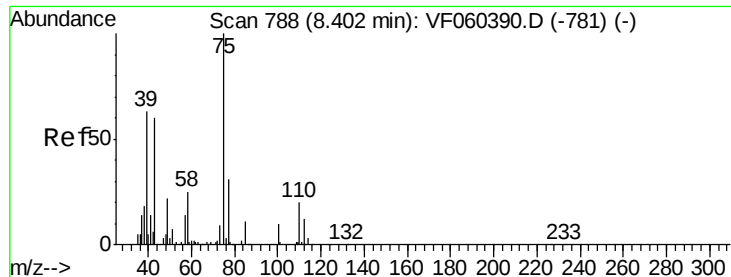
91 170.3 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 11.020 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 46614

Ion Ratio Lower Upper

75 100

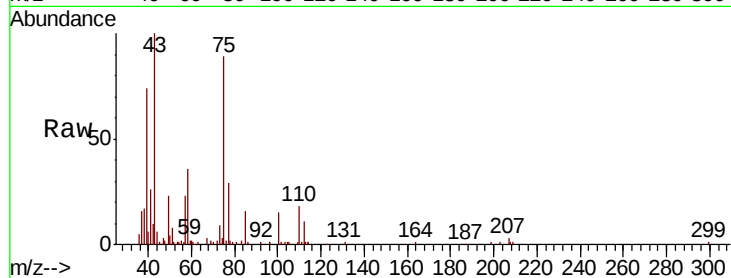
77 32.5 24.6 36.8

Manual Integrations

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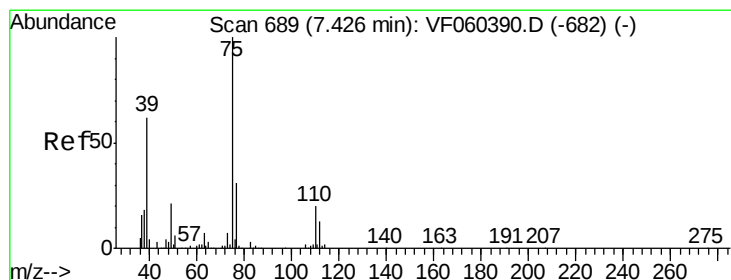
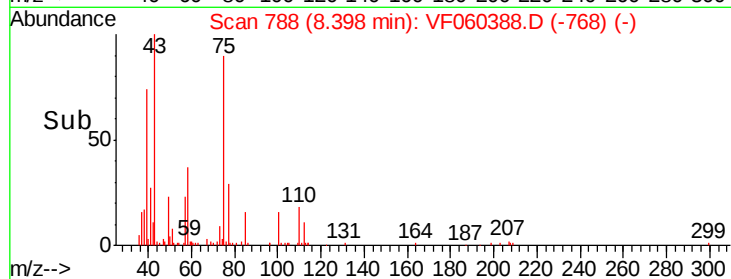
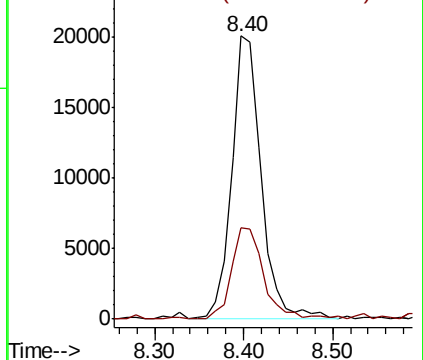
apatel

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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: 9.838 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

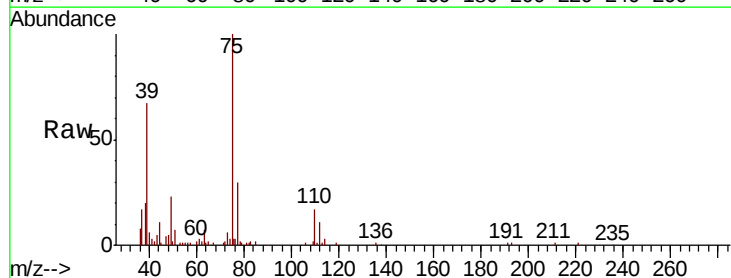
Tgt Ion: 75 Resp: 52213

Ion Ratio Lower Upper

75 100

77 30.4 25.2 37.8

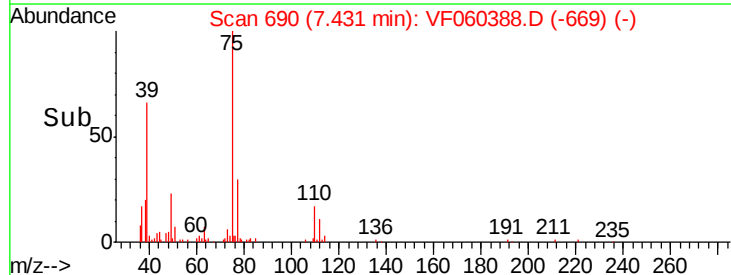
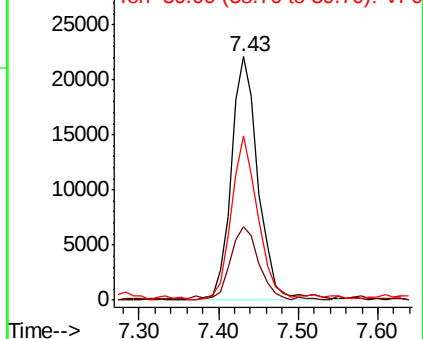
39 67.3 49.7 74.5

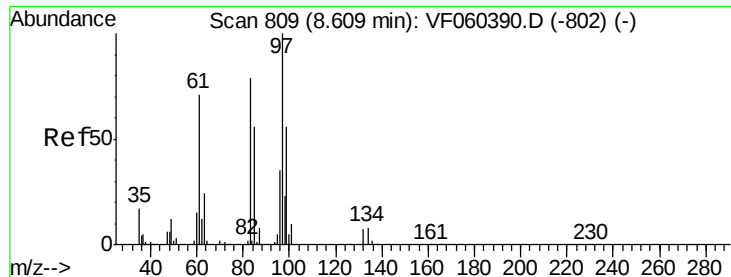


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 10.700 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

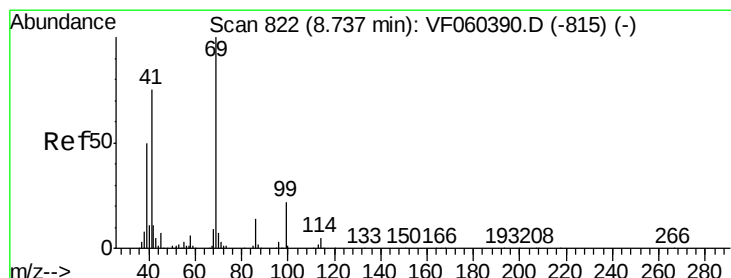
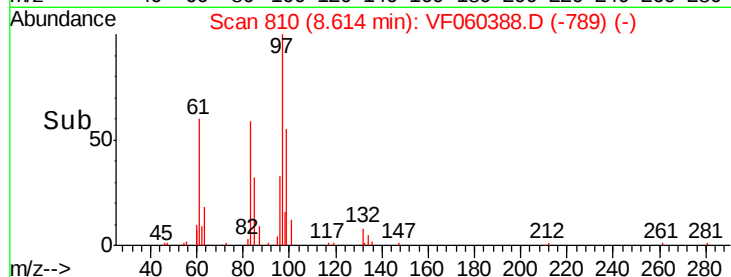
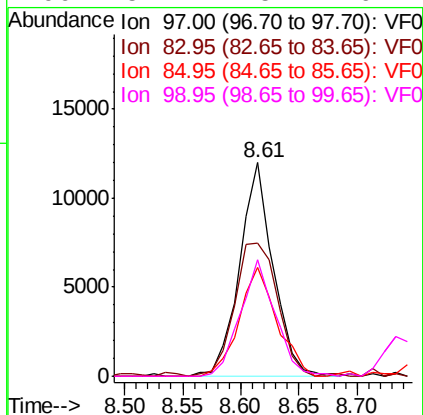
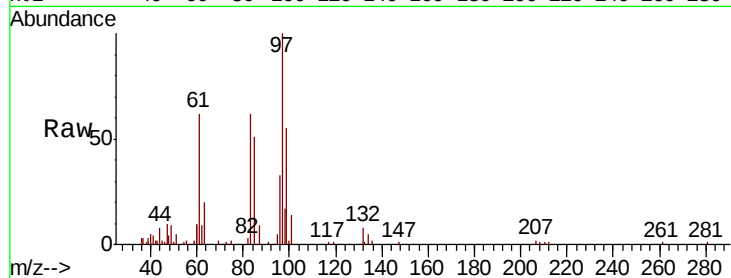
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	23919
Ion	Ratio	Lower	Upper
97	100		
83	62.1	63.4	95.0#
85	50.9	44.5	66.7
99	54.7	45.1	67.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 10.332 ug/l

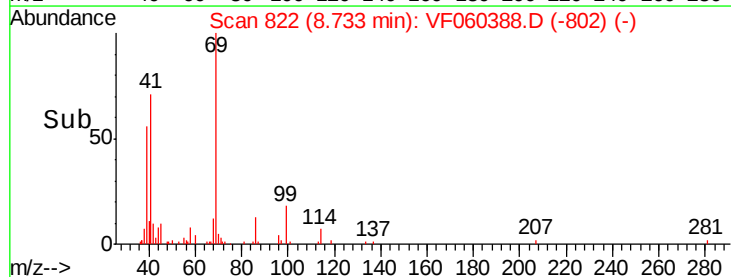
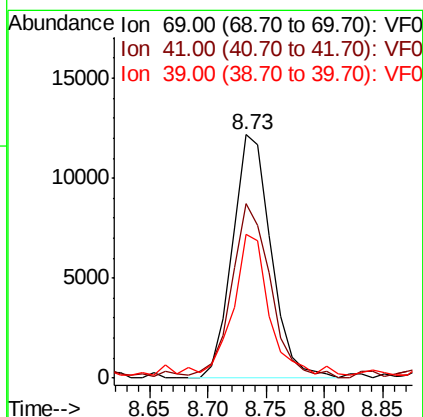
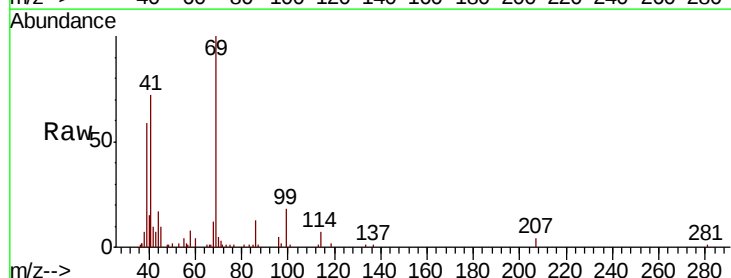
RT: 8.73 min Scan# 822

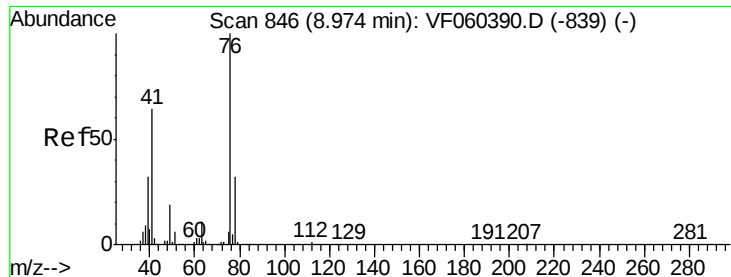
Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion:	69	Resp:	27926
Ion	Ratio	Lower	Upper
69	100		
41	71.6	60.2	90.4
39	59.3	40.2	60.2





#57

1,3-Dichloropropane

Concen: 11.087 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 41216

Ion Ratio Lower Upper

76 100

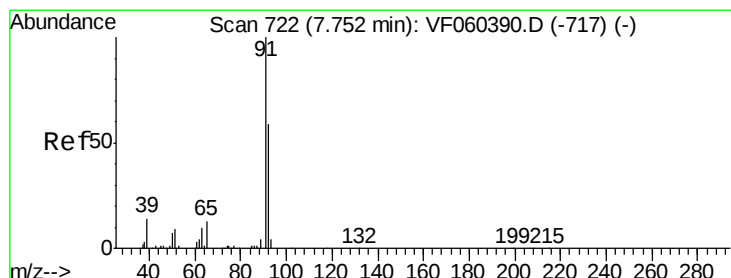
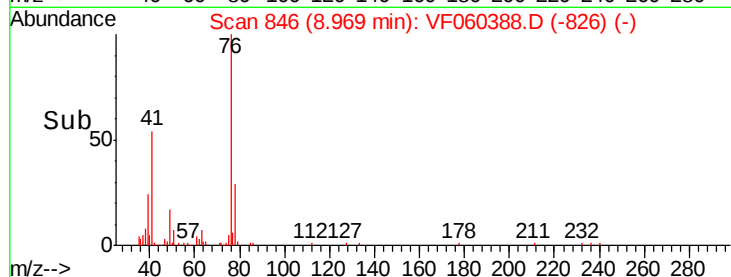
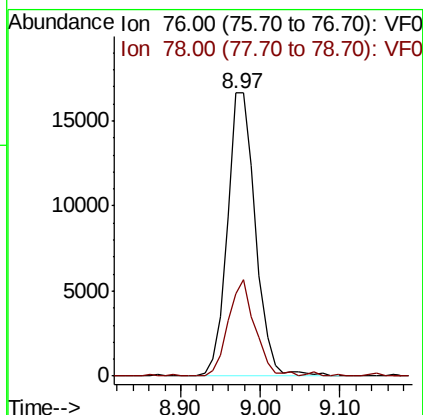
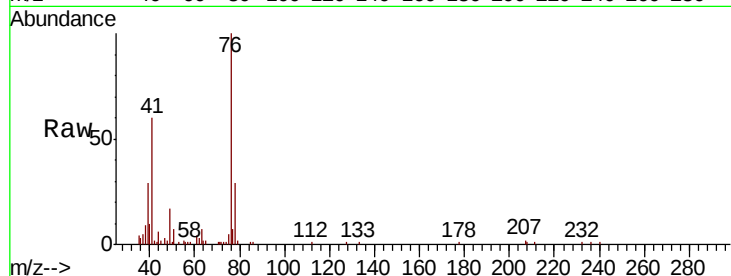
78 29.0 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 58.193 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060388.D

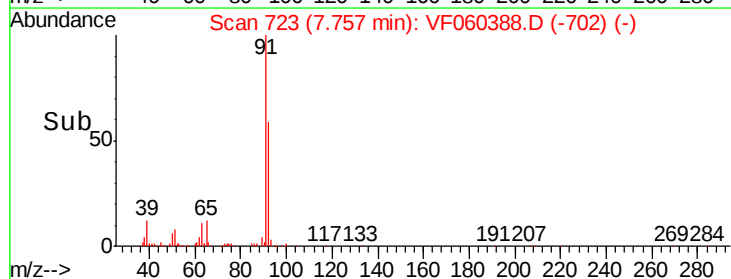
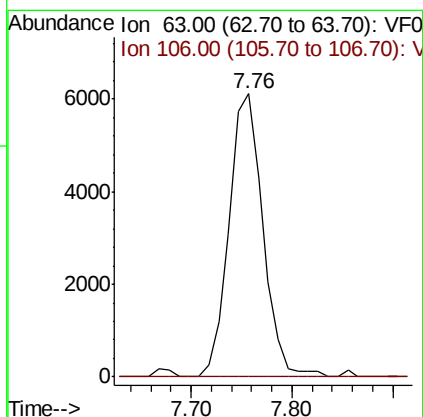
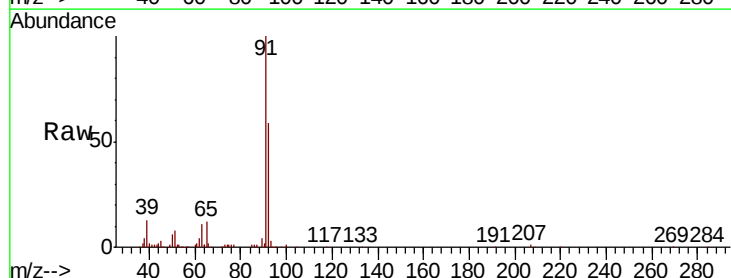
Acq: 1 Oct 2018 17:46

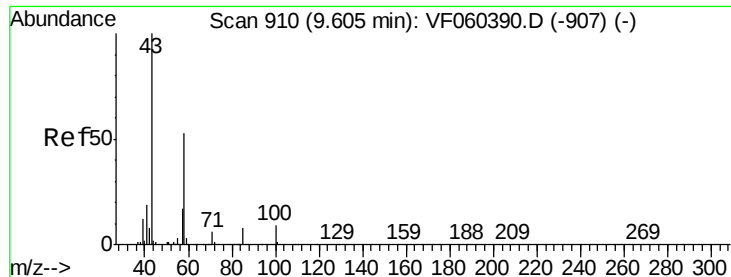
Tgt Ion: 63 Resp: 14256

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





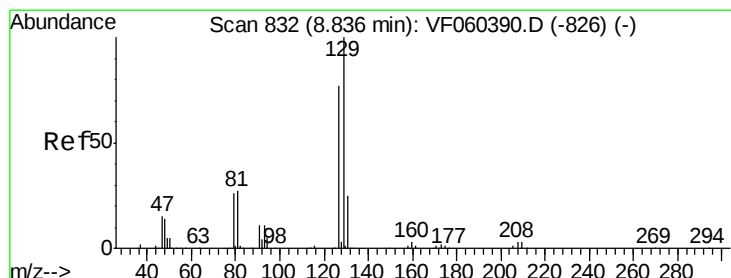
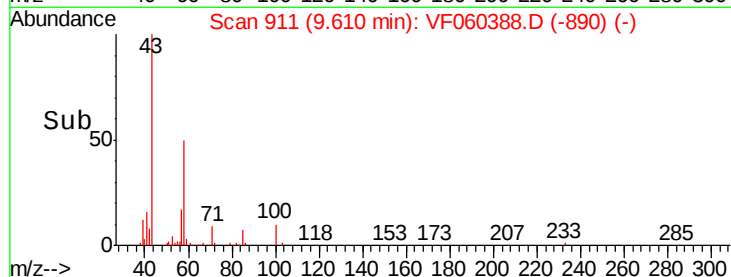
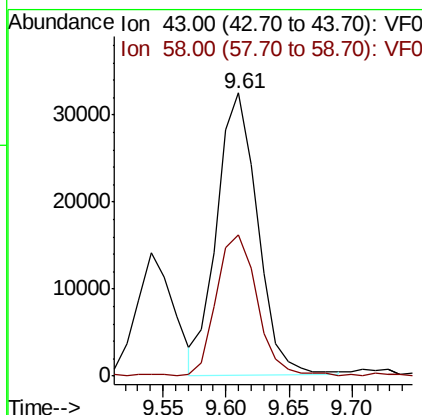
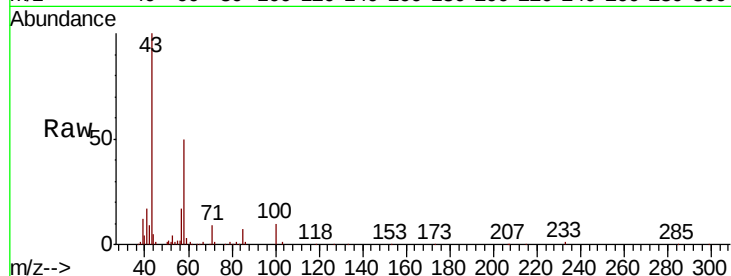
#59
2-Hexanone
Concen: 52.261 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	25.6	76.6

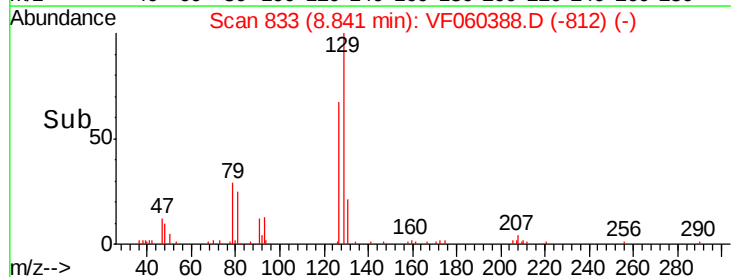
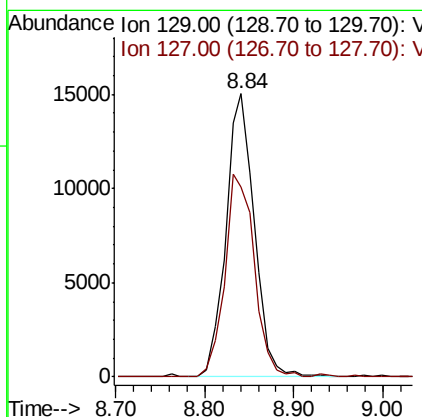
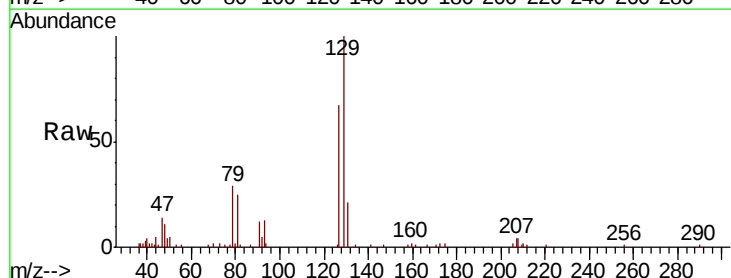
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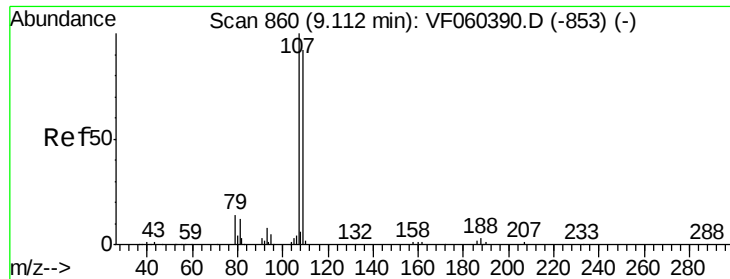
apatel
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#60
Dibromochloromethane
Concen: 10.018 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	67.2	38.3	114.8





#61

1,2-Dibromoethane

Concen: 9.778 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 24614

Ion Ratio Lower Upper

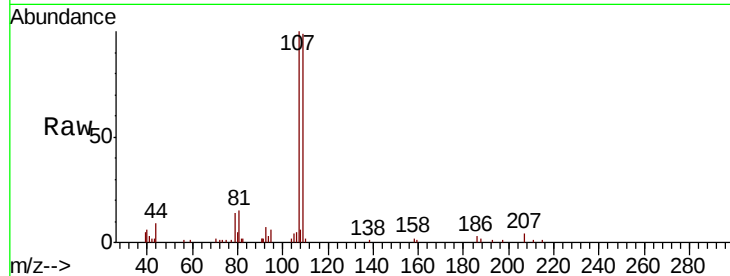
107 100

109 98.7 73.7 110.5

Manual Integrations
APPROVED

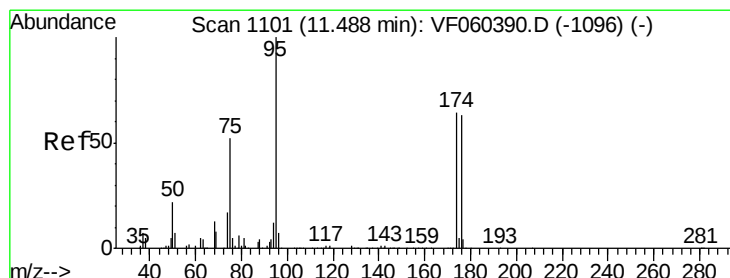
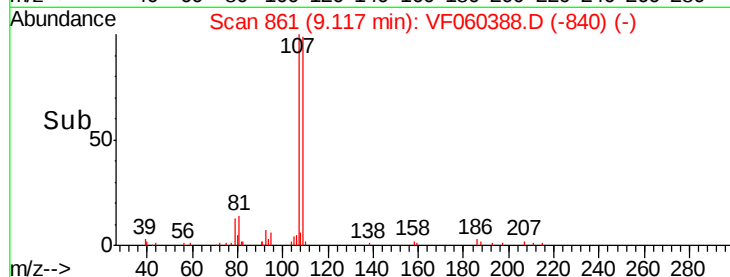
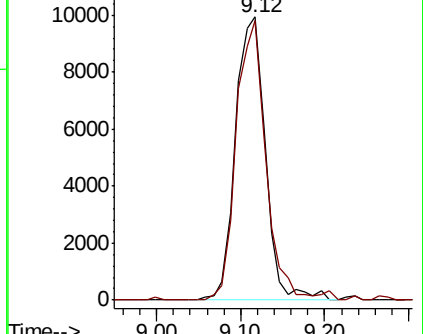
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 11.562 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

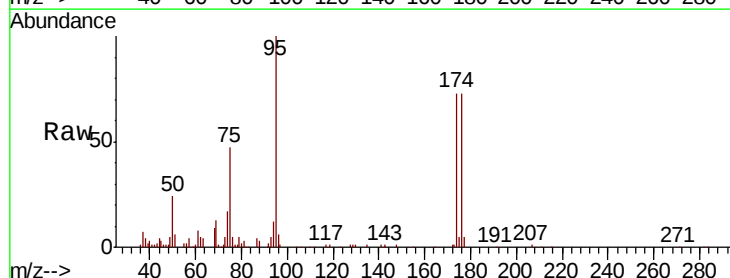
Tgt Ion: 95 Resp: 49087

Ion Ratio Lower Upper

95 100

174 72.8 0.0 129.0

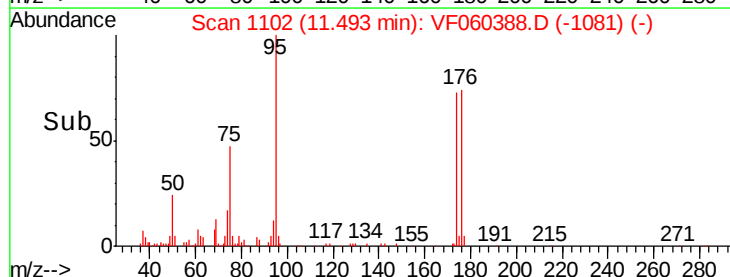
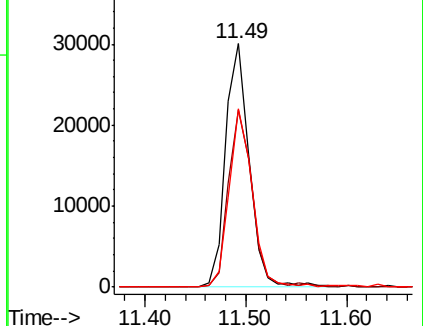
176 73.5 0.0 125.6

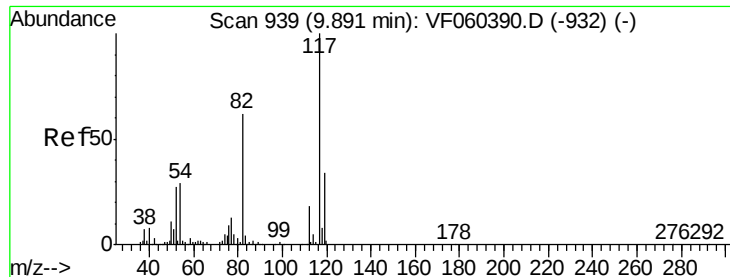


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





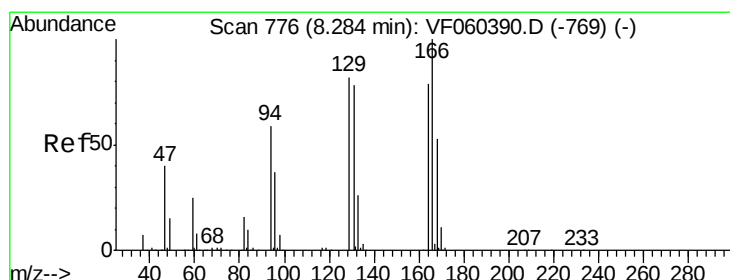
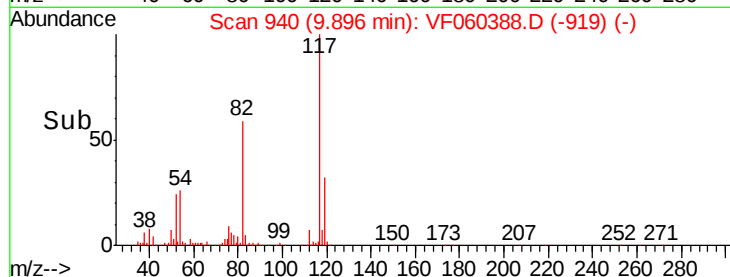
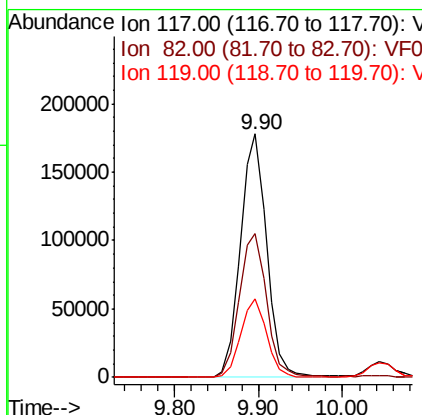
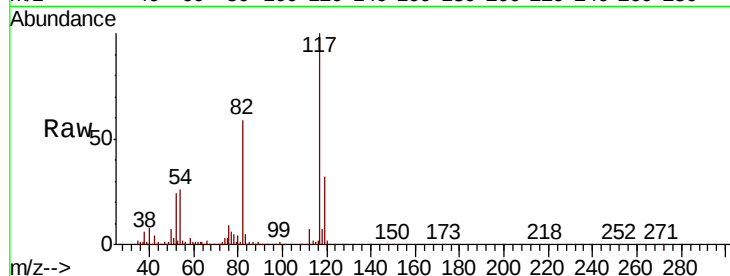
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388658		
82	59.0		49.5	74.3
119	32.5		27.0	40.6

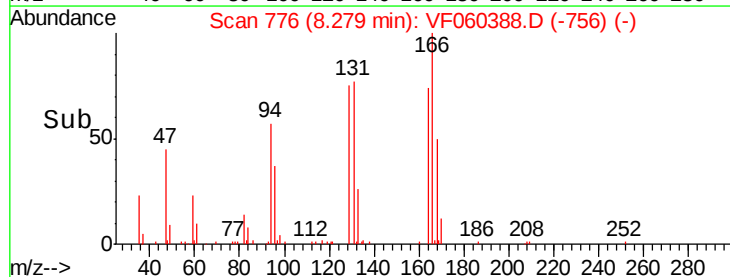
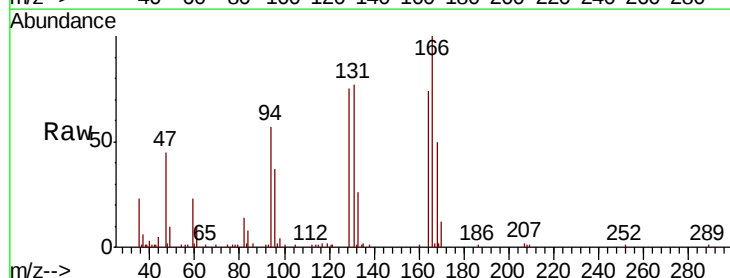
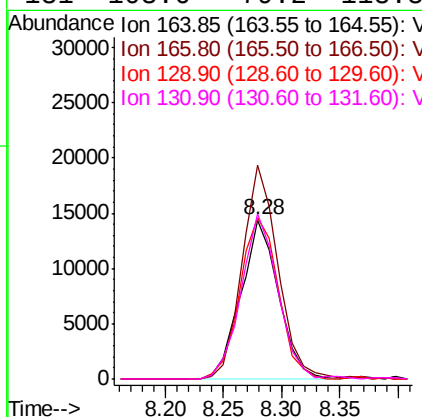
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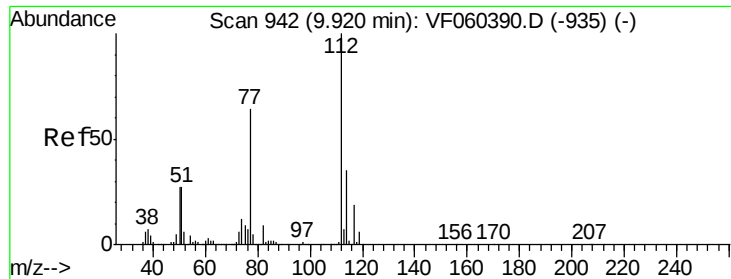
apatel
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#64
Tetrachloroethene
Concen: 9.276 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32184		
166	134.3		101.0	151.6
129	101.1		82.5	123.7
131	103.6		79.2	118.8





#65

Chlorobenzene

Concen: 9.786 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 85239

Ion Ratio Lower Upper

112 100

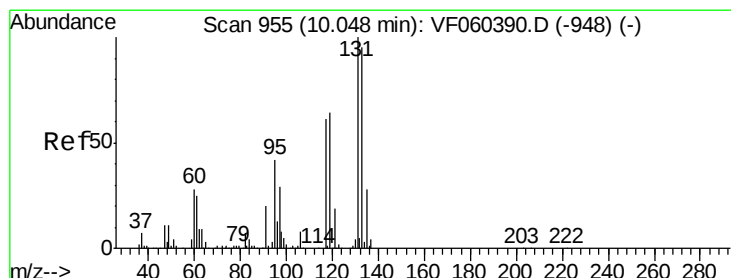
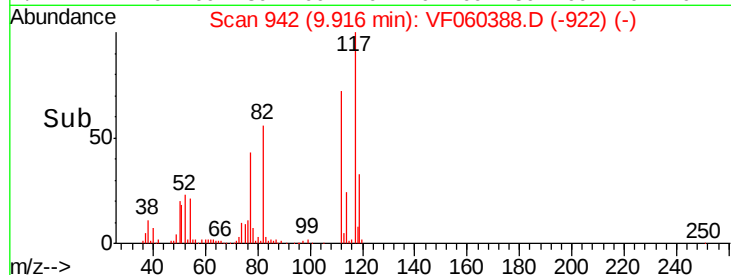
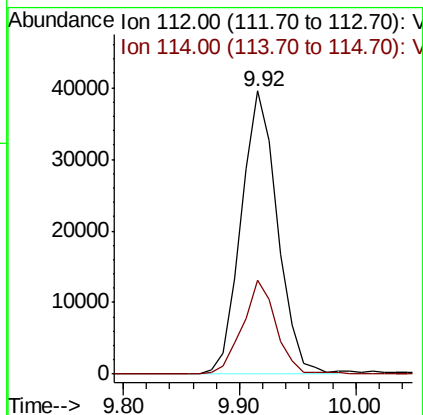
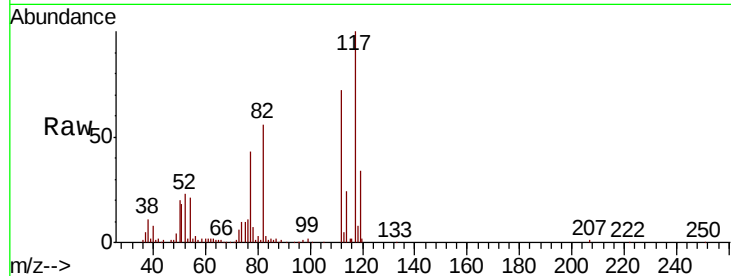
114 33.3 27.7 41.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 9.927 ug/l

RT: 10.05 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

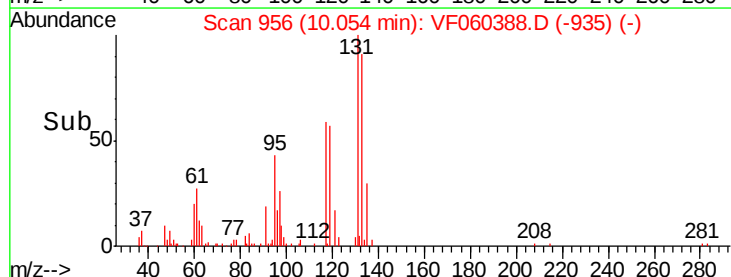
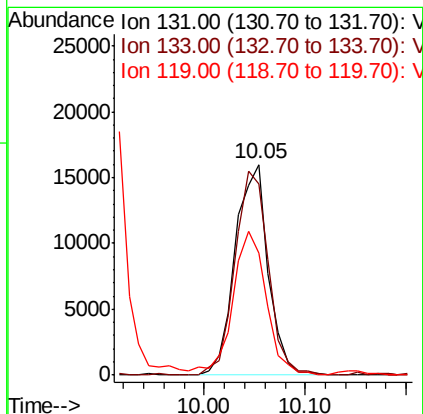
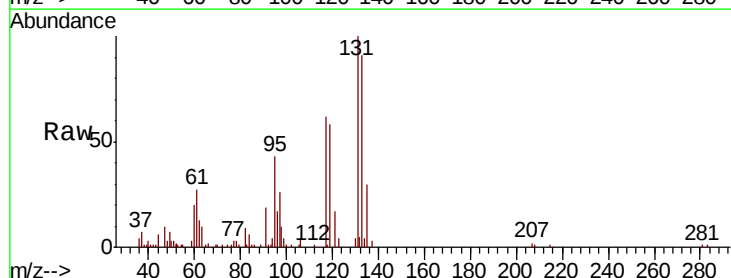
Tgt Ion:131 Resp: 36412

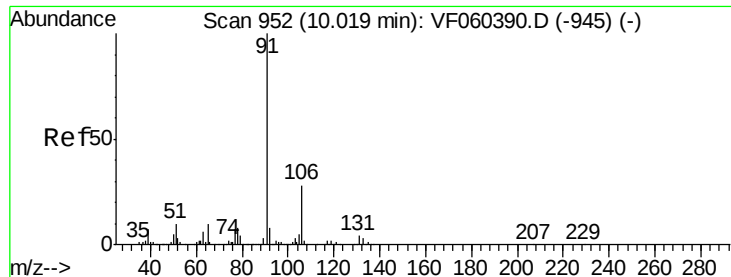
Ion Ratio Lower Upper

131 100

133 90.8 47.3 141.8

119 58.1 32.3 96.9





#67

Ethyl Benzene

Concen: 10.197 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 164957

Ion Ratio Lower Upper

91 100

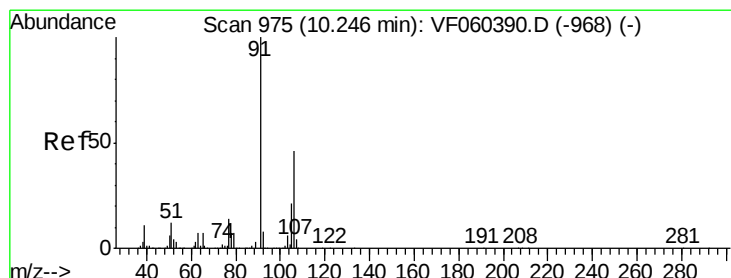
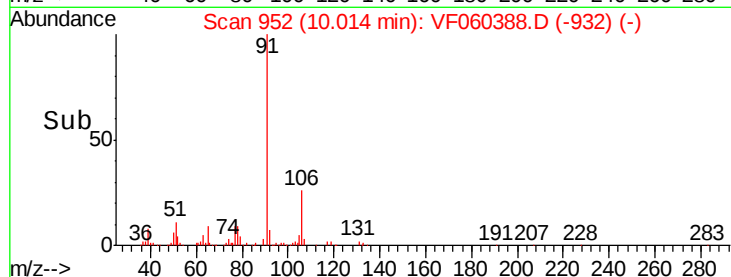
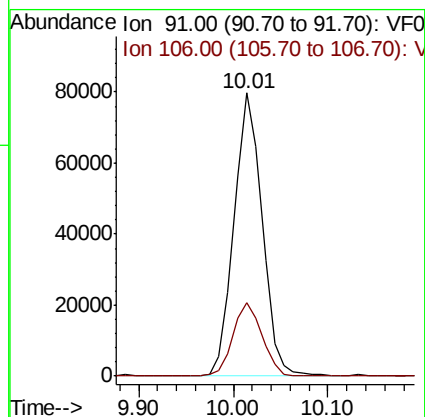
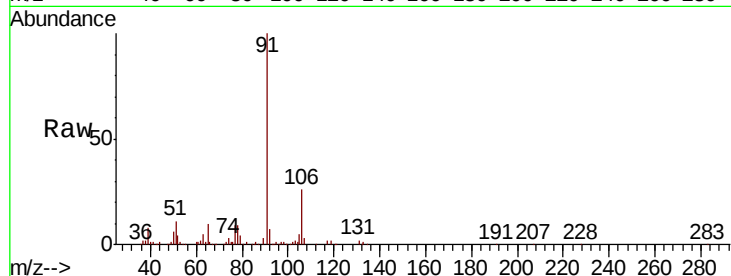
106 25.8 22.5 33.7

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#68

m/p-Xylenes

Concen: 21.195 ug/l

RT: 10.24 min Scan# 975

Delta R.T. -0.00 min

Lab File: VF060388.D

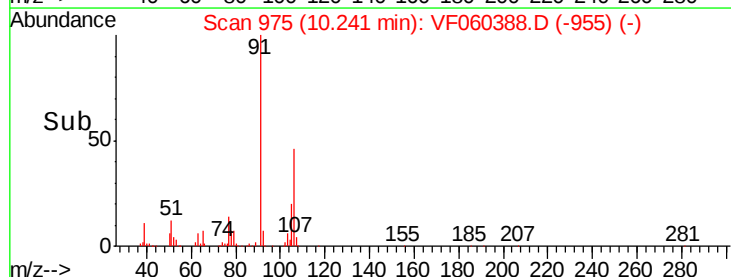
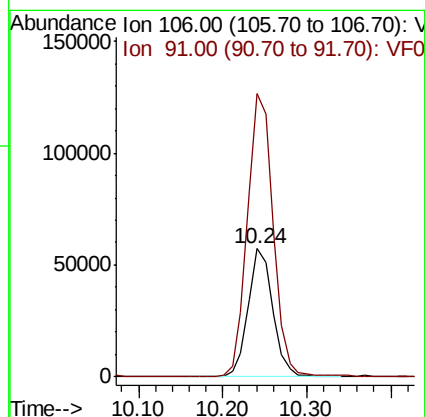
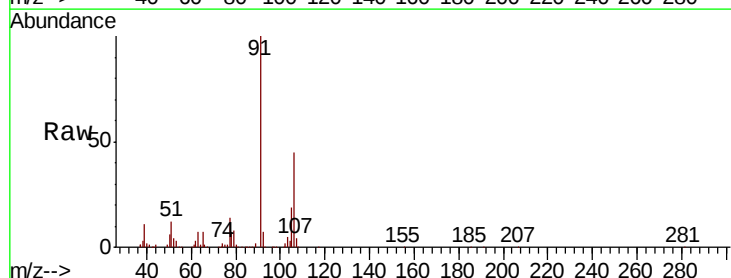
Acq: 1 Oct 2018 17:46

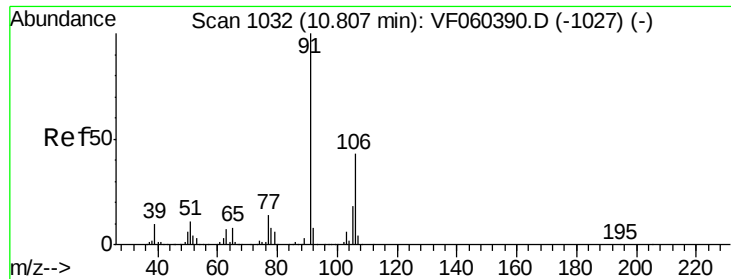
Tgt Ion: 106 Resp: 118355

Ion Ratio Lower Upper

106 100

91 220.8 175.0 262.6





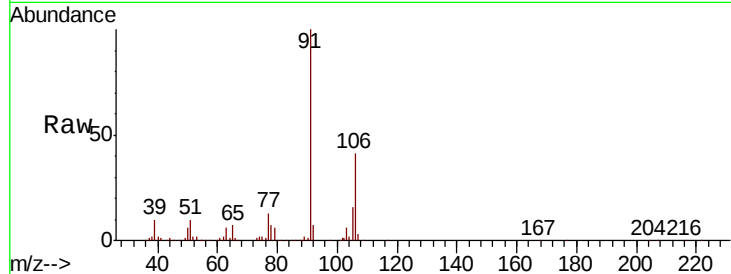
#69
o-Xylene
Concen: 9.522 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

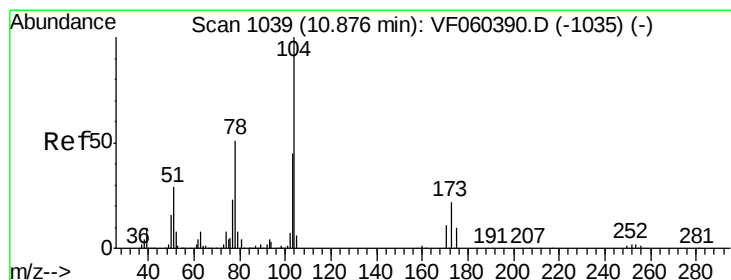
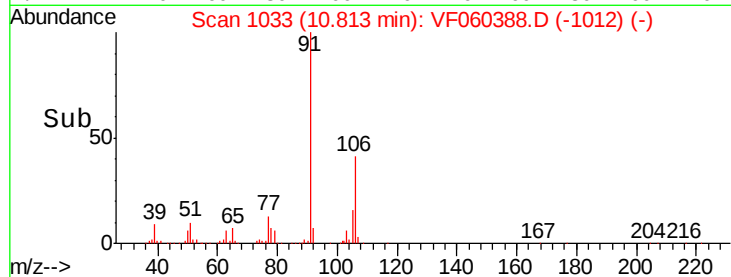
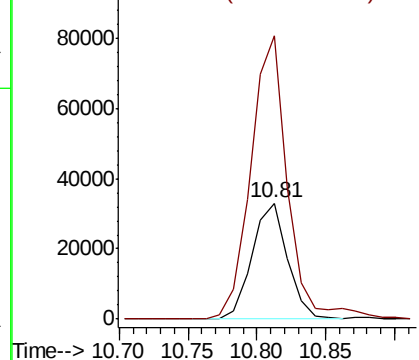
Tot Ion:106 Resp: 59510
Ion Ratio Lower Upper
106 100
91 243.6 115.1 345.2

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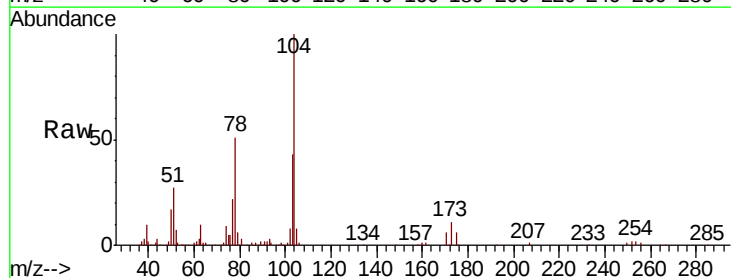


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

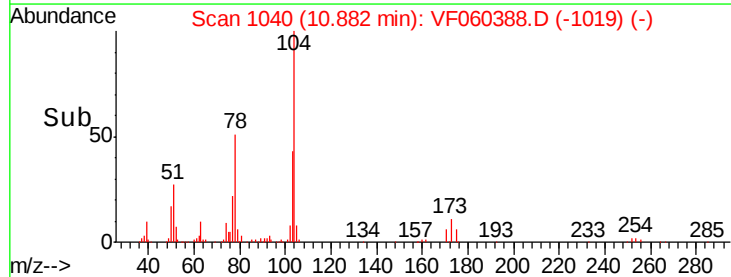
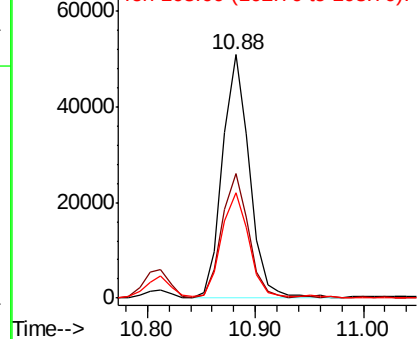


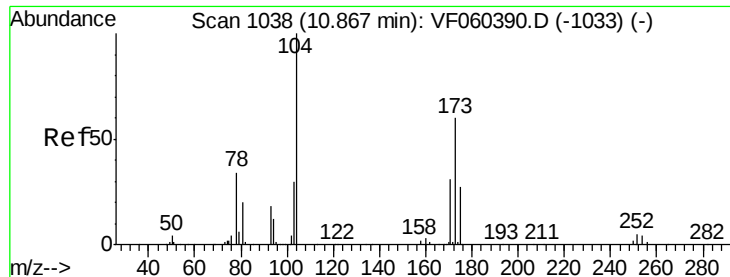
#70
Styrene
Concen: 10.066 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion:104 Resp: 88476
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 43.1 36.4 54.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 8.771 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 17544

Ion Ratio Lower Upper

173 100

175 46.7 22.1 66.1

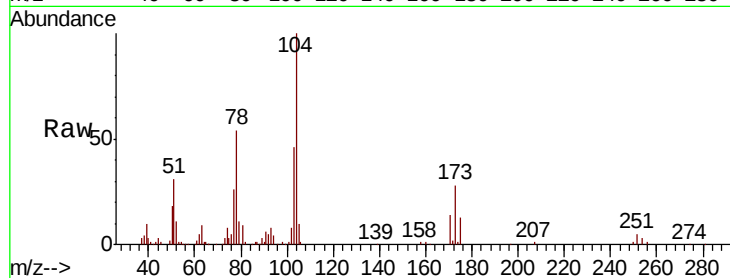
254 9.9 0.0 0.0#

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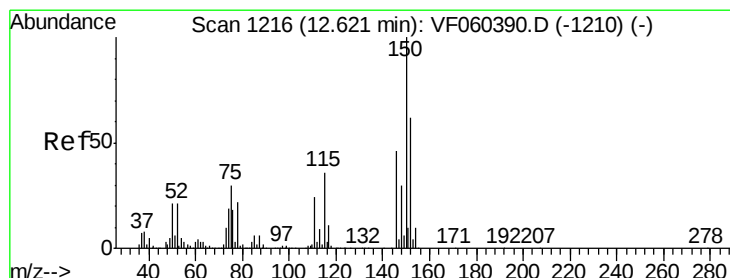
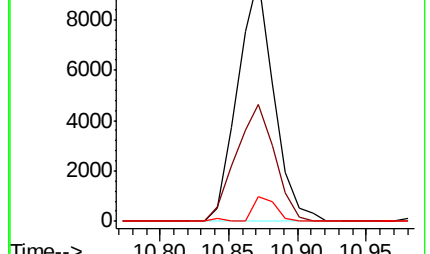
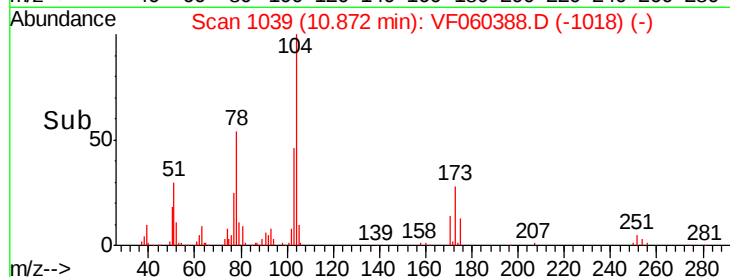


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

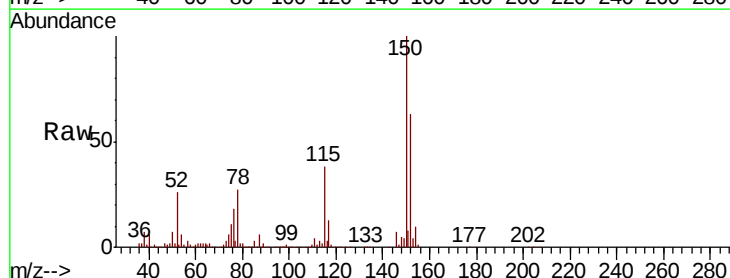
Tgt Ion:152 Resp: 211737

Ion Ratio Lower Upper

152 100

115 60.8 28.6 85.8

150 158.3 0.0 324.6

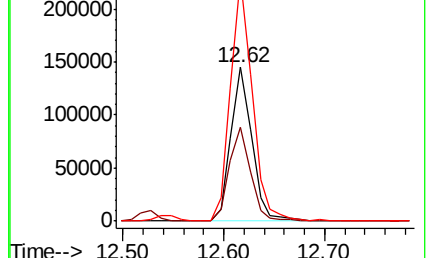
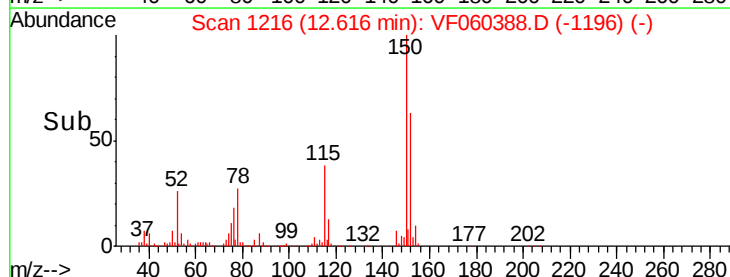


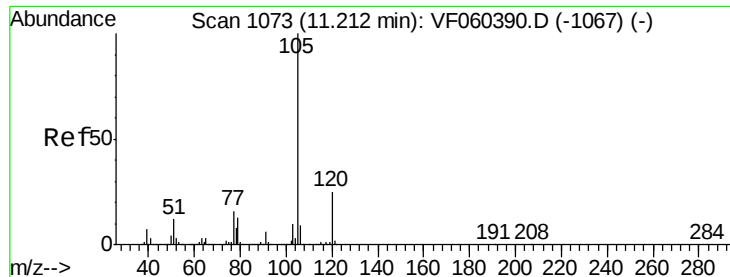
Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

Time-->





#73

Isopropylbenzene

Concen: 9.899 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 185046

Ion Ratio Lower Upper

105 100

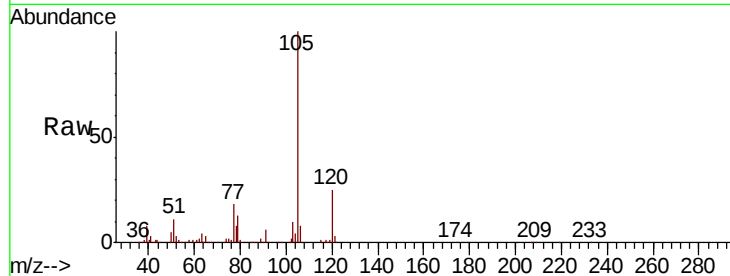
120 24.9 12.3 36.9

Manual Integrations

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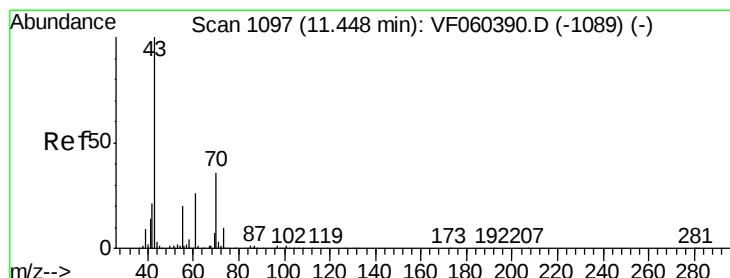
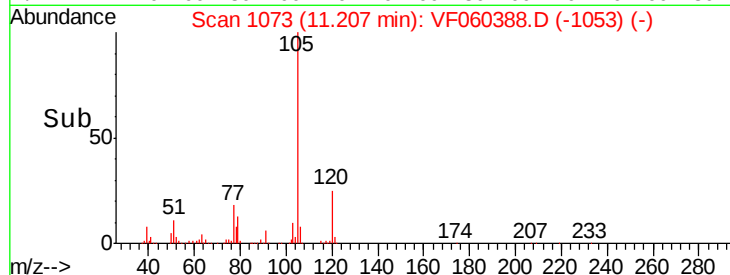
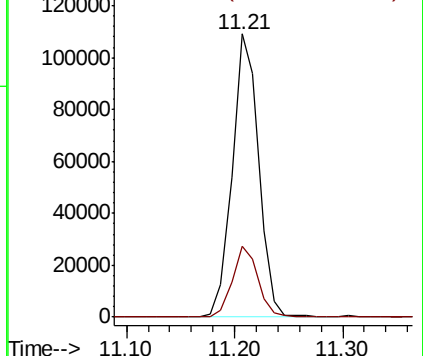
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.701 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion: 43 Resp: 39286

Ion Ratio Lower Upper

43 100

70 39.3 29.1 43.7

55 24.6 16.3 24.5#

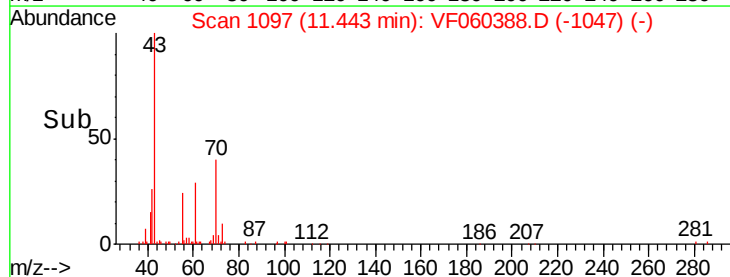
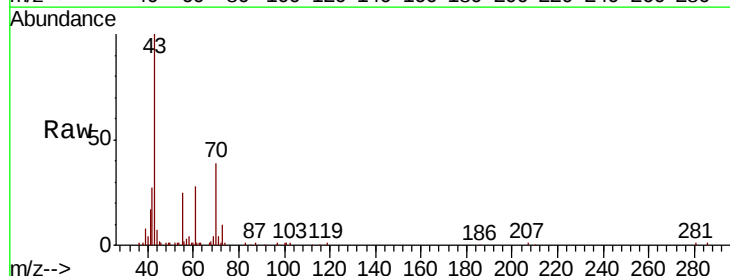
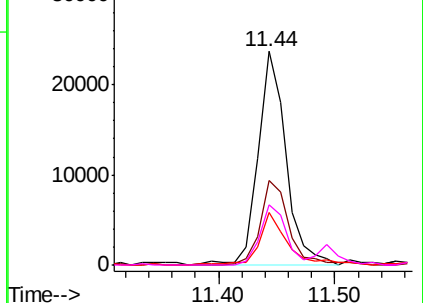
61 28.3 21.0 31.4

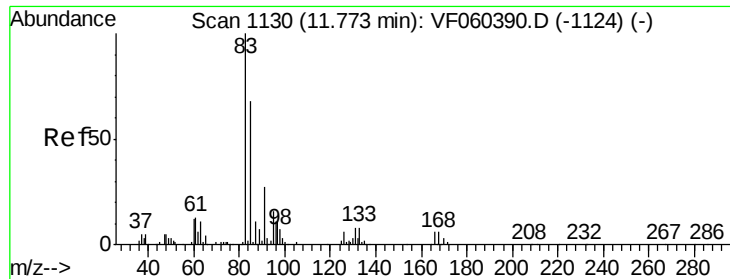
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 9.596 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

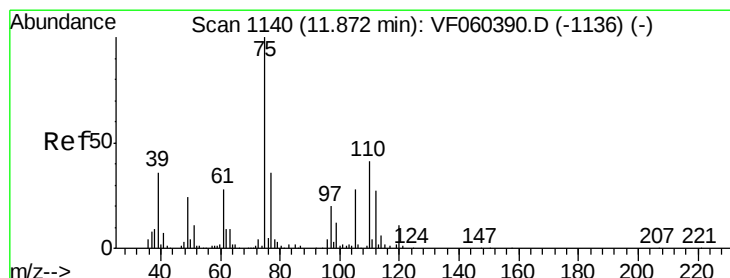
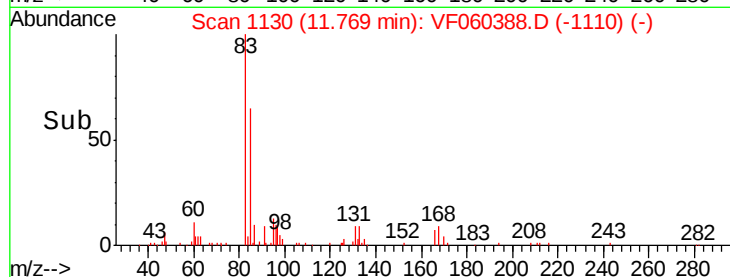
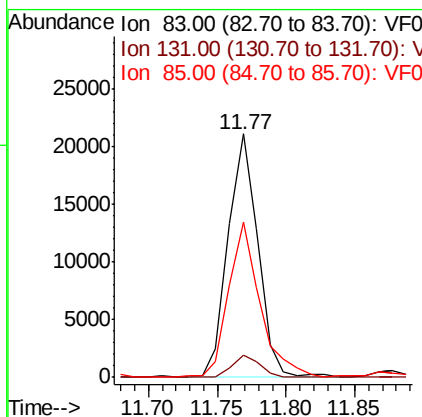
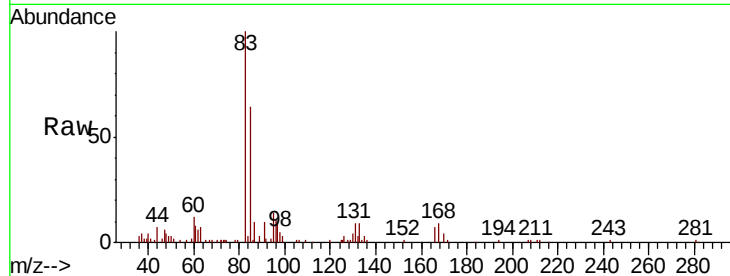
ClientSampleId :

VSTDIC010

Tot Ion	83	Resp	31840
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.0	12.0
85	64.0	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 9.996 ug/l

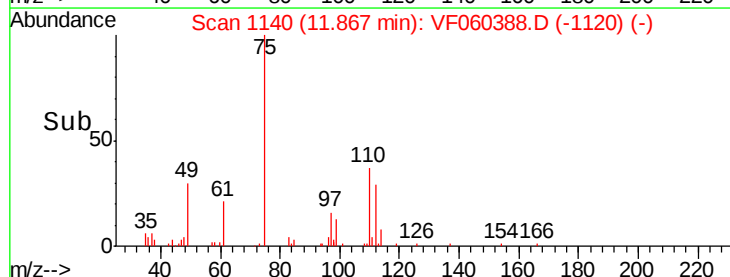
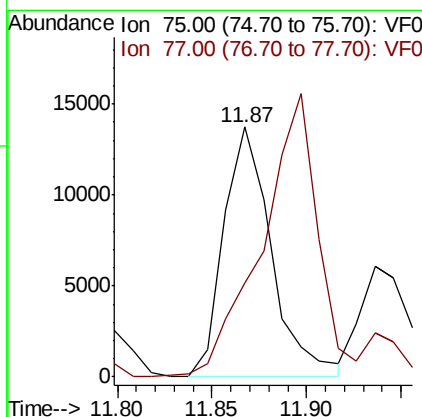
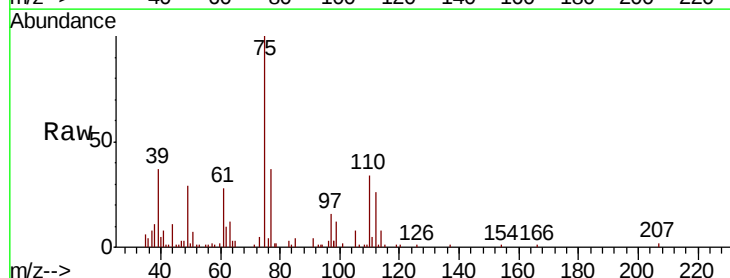
RT: 11.87 min Scan# 1140

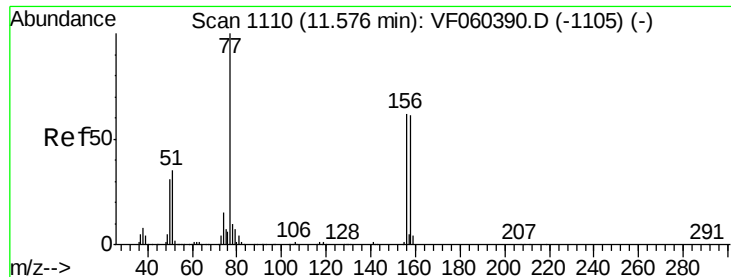
Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion	75	Resp	23997
Ion Ratio	100	Lower	Upper
75	100		
77	37.5	18.1	54.4





#77

Bromobenzene

Concen: 10.266 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

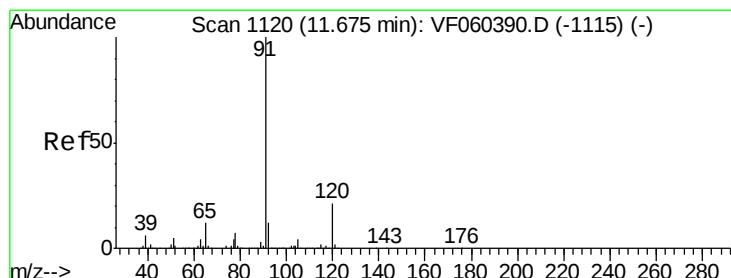
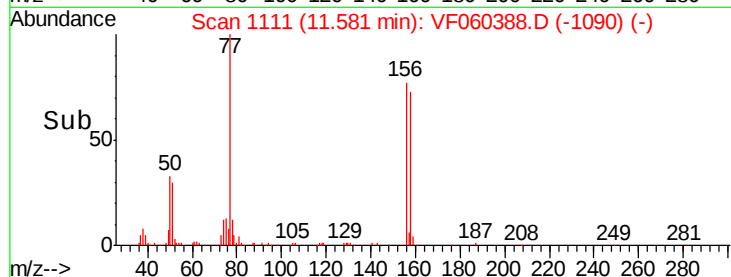
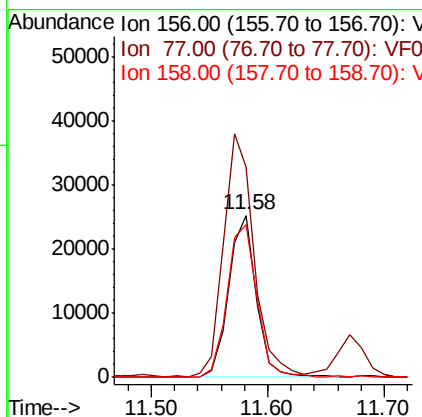
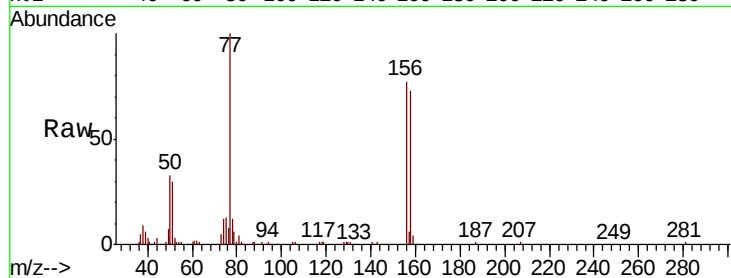
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	129.8	81.3	243.9	
158	94.4	49.6	149.0	

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#78

n-propylbenzene

Concen: 10.365 ug/l

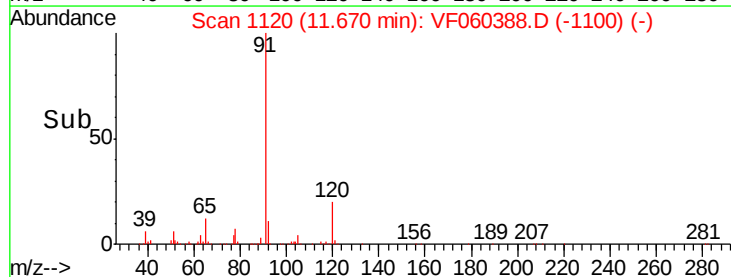
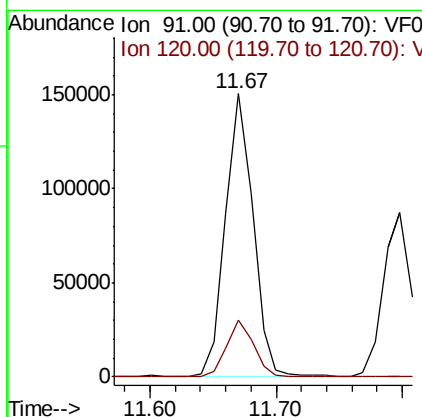
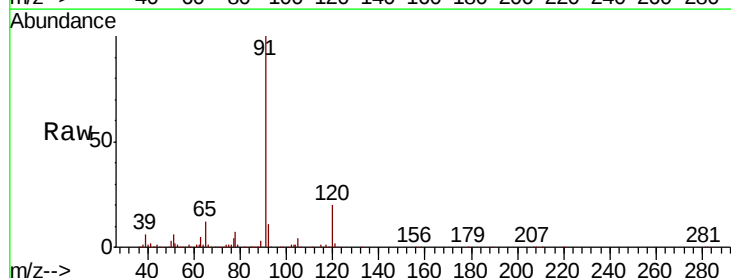
RT: 11.67 min Scan# 1120

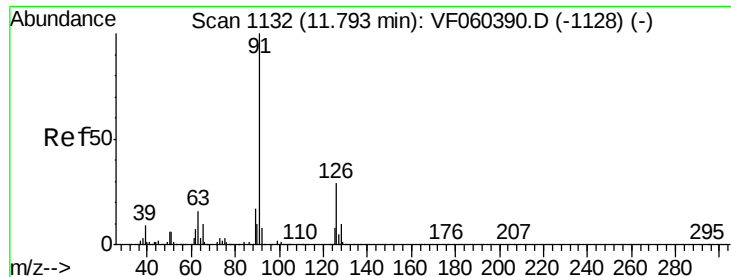
Delta R.T. -0.00 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.2	10.5	31.6	





#79

2-Chlorotoluene

Concen: 10.569 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060388.D

Acq: 1 Oct 2018 17:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 135300

Ion Ratio Lower Upper

91 100

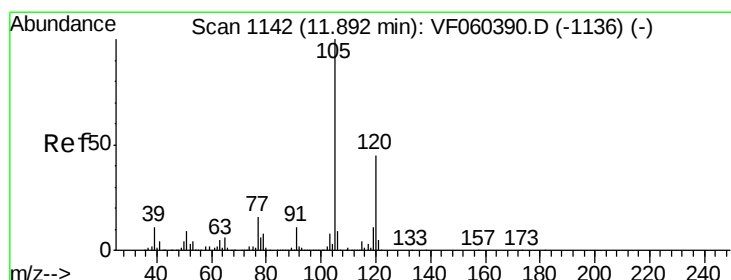
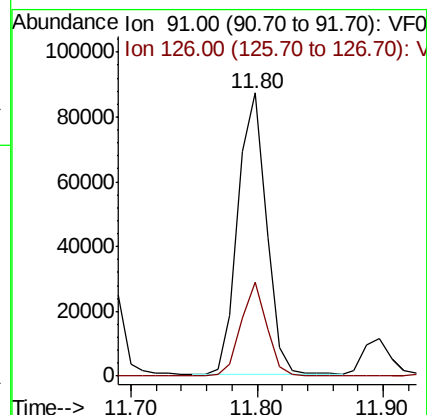
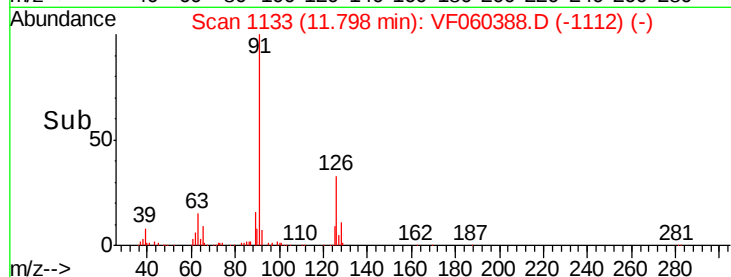
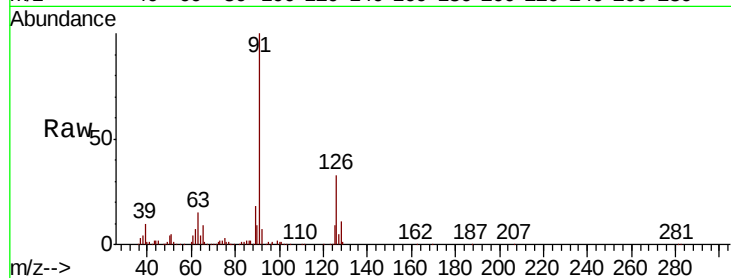
126 33.0 14.4 43.4

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#80

1,3,5-Trimethylbenzene

Concen: 10.575 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060388.D

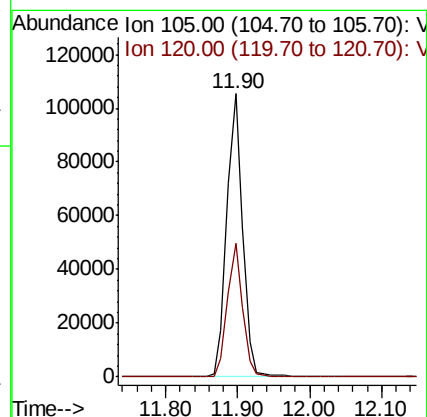
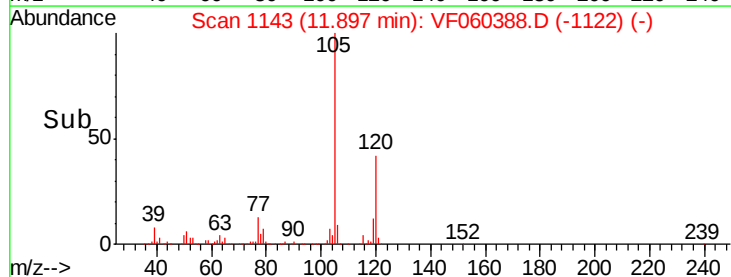
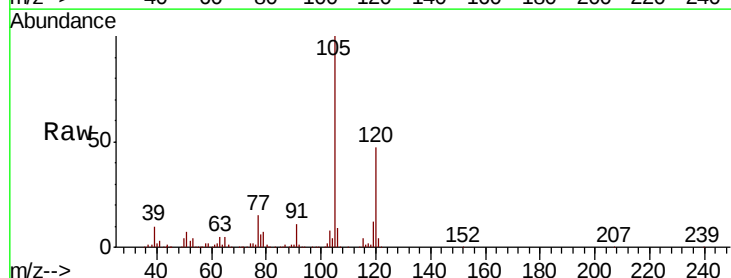
Acq: 1 Oct 2018 17:46

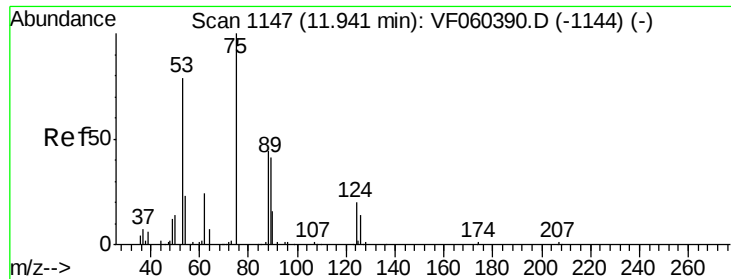
Tgt Ion: 105 Resp: 159883

Ion Ratio Lower Upper

105 100

120 47.2 22.3 66.9





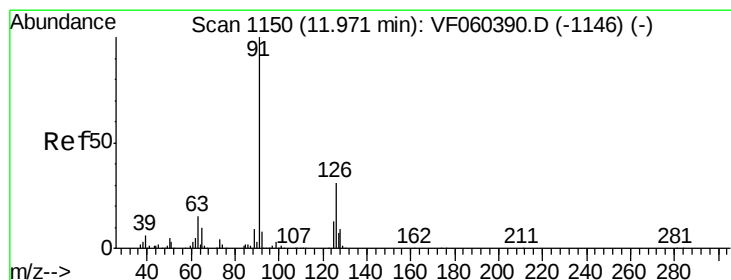
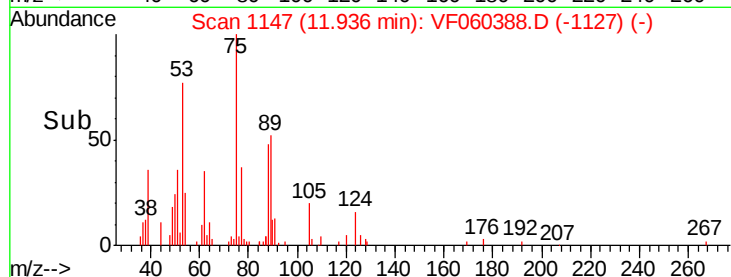
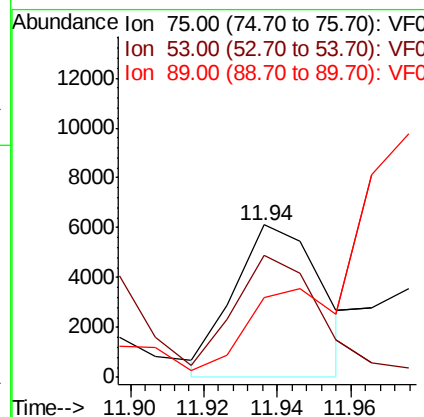
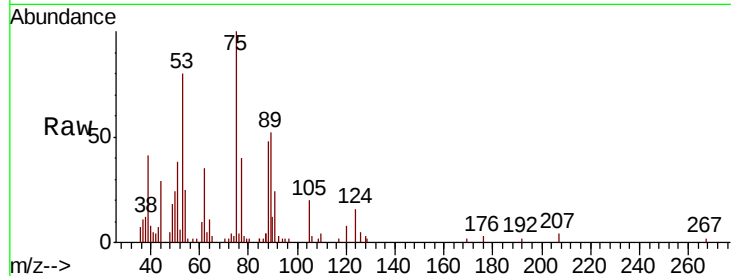
#81
trans-1,4-Dichloro-2-butene
Concen: 8.104 ug/l m
RT: 11.94 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.5	67.8	101.8
89	52.2	36.7	55.1

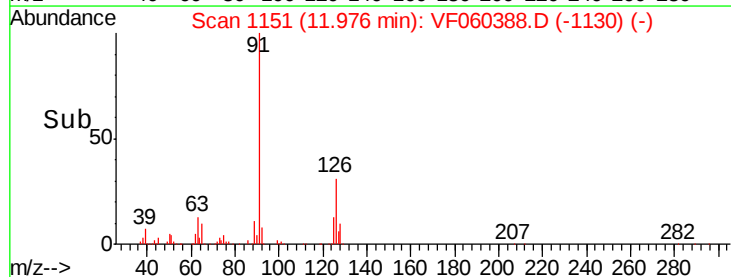
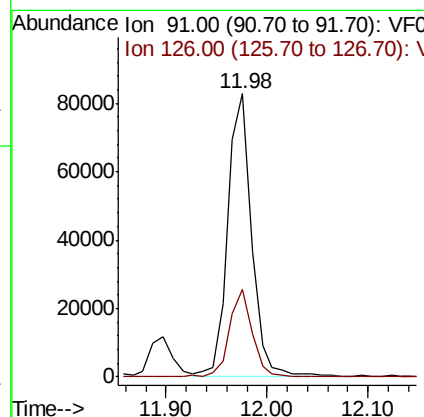
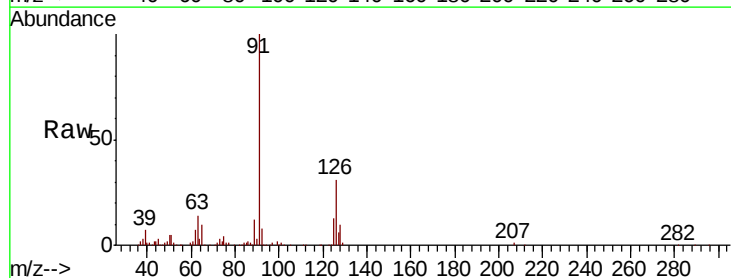
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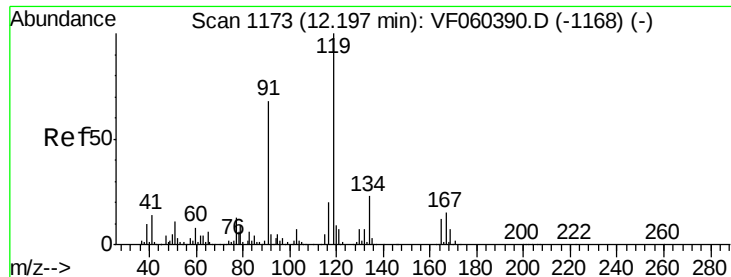
apatel
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#82
4-Chlorotoluene
Concen: 10.566 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.7	47.0





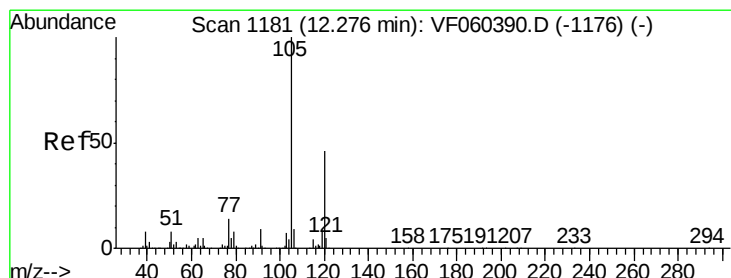
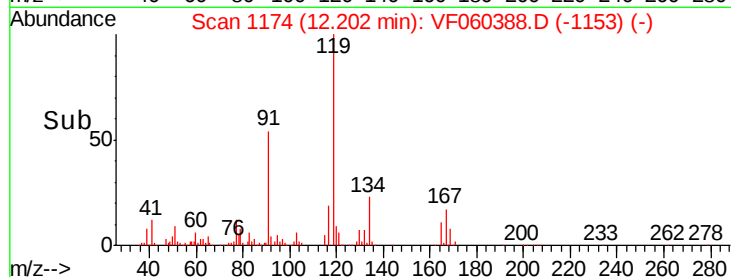
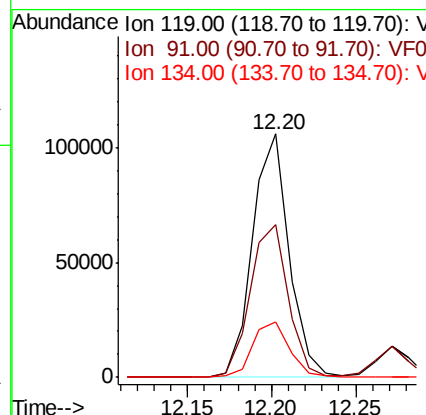
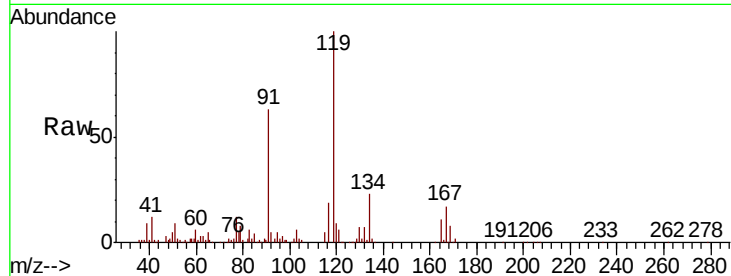
#83
tert-Butylbenzene
Concen: 10.399 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	34.0	102.0
134	22.7	11.7	35.0

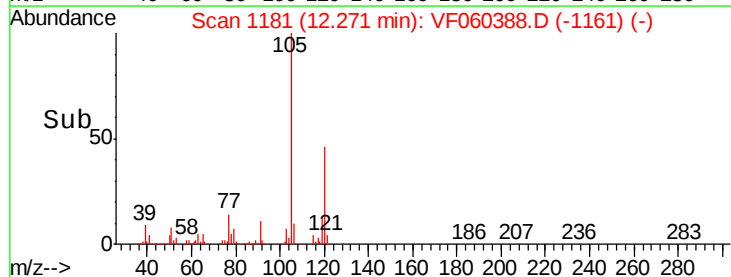
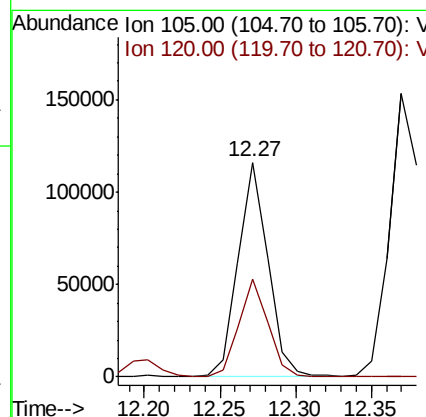
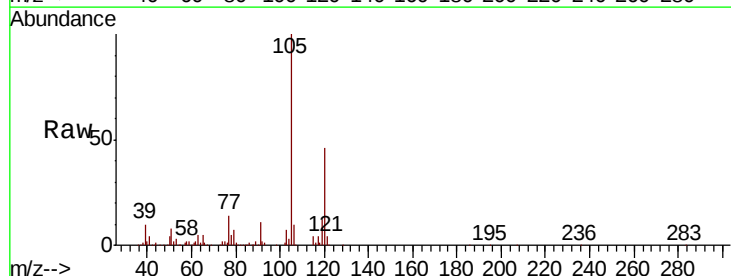
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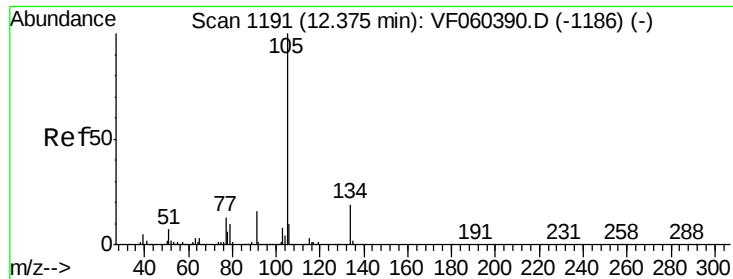
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#84
1,2,4-Trimethylbenzene
Concen: 10.364 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





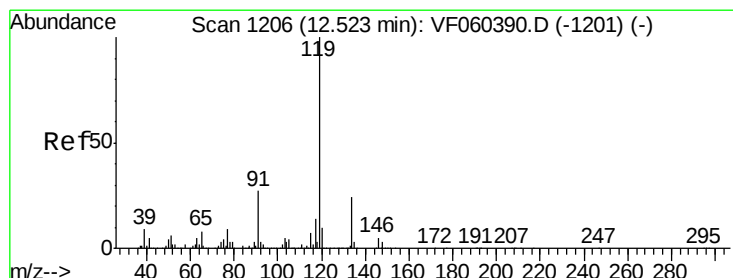
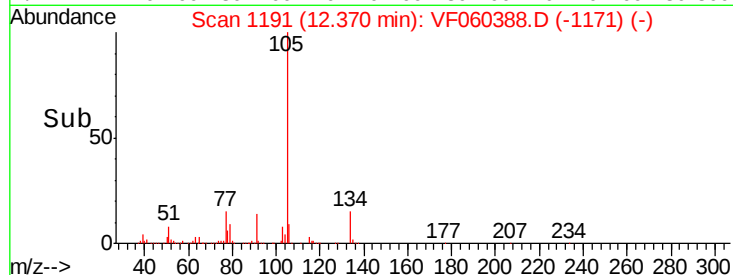
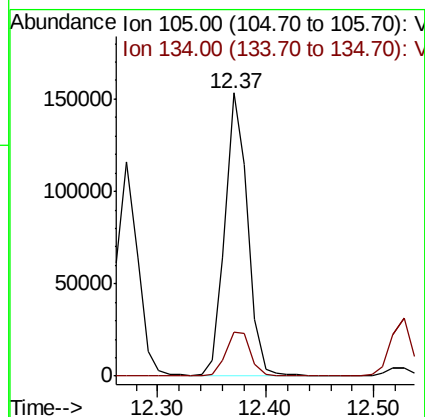
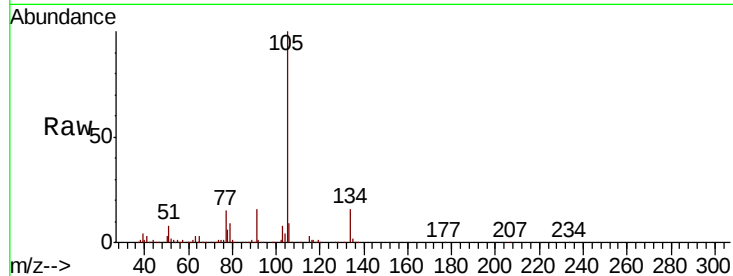
#85
 sec-Butylbenzene
 Concen: 10.557 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	223440		
134	15.8	9.4	28.3	

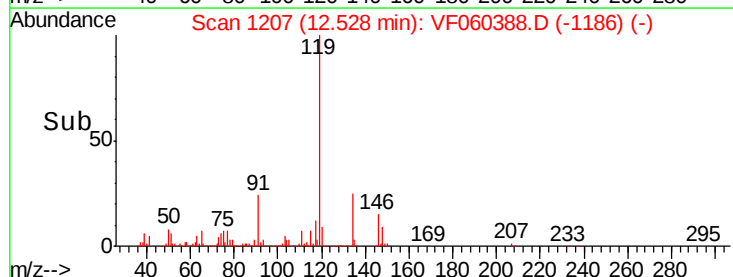
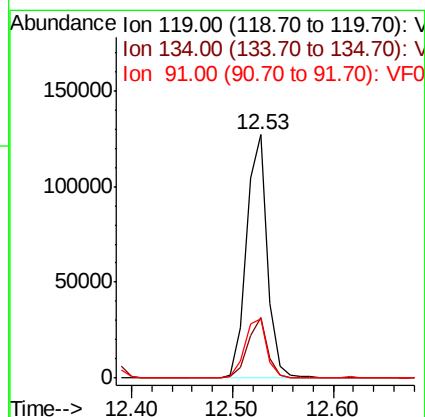
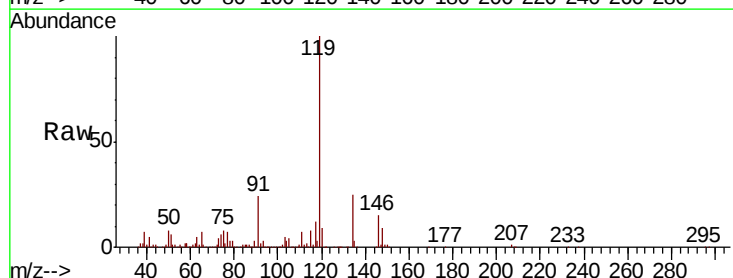
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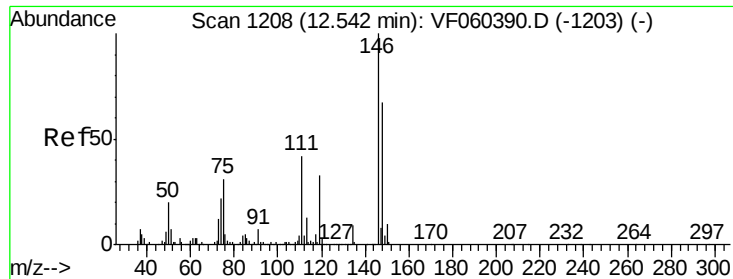
apatel
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#86
 p-Isopropyltoluene
 Concen: 10.817 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	182215		
134	24.9	12.3	36.8	
91	24.2	13.5	40.4	





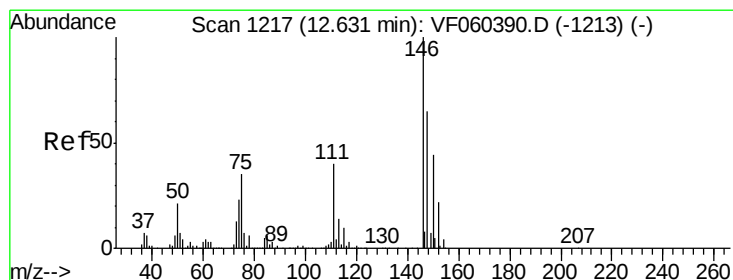
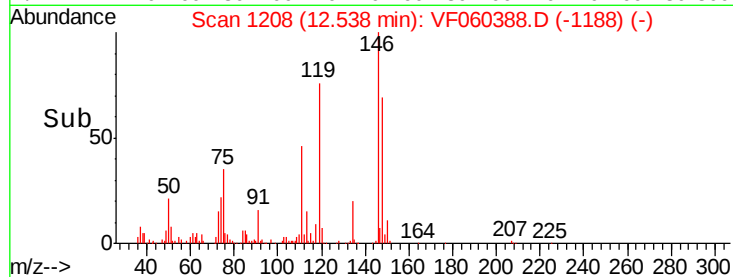
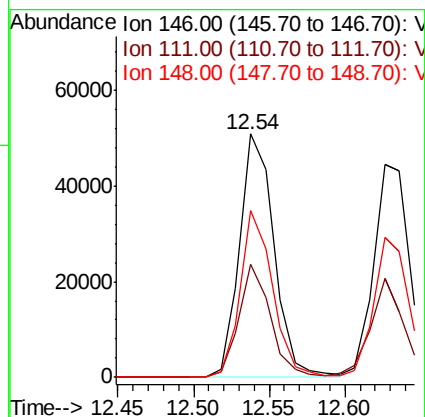
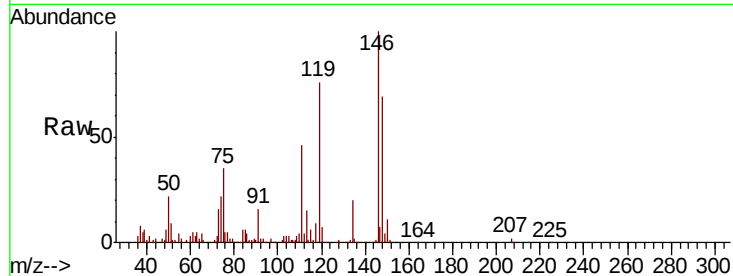
#87
 1,3-Dichlorobenzene
 Concen: 10.645 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.9	62.7
148	68.8	33.6	100.8

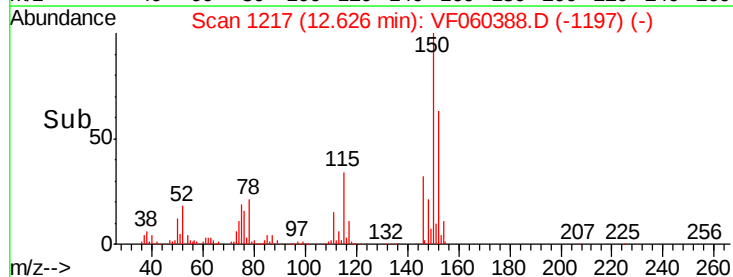
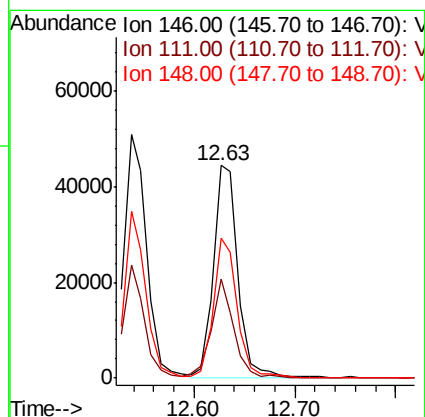
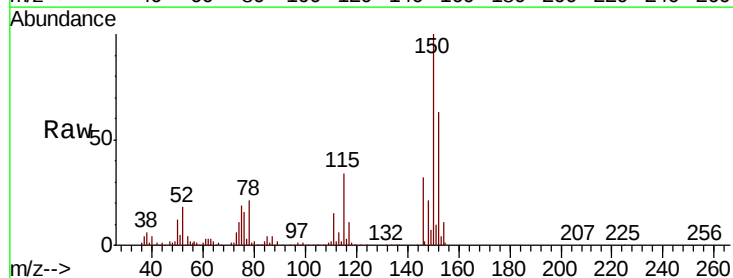
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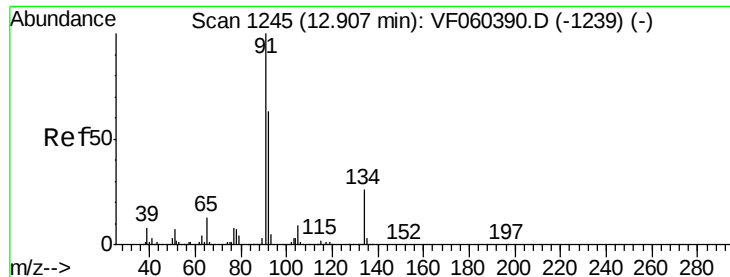
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#88
 1,4-Dichlorobenzene
 Concen: 10.214 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	20.2	60.6
148	66.2	32.6	97.8





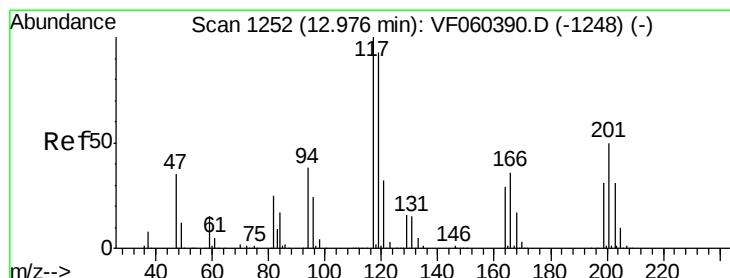
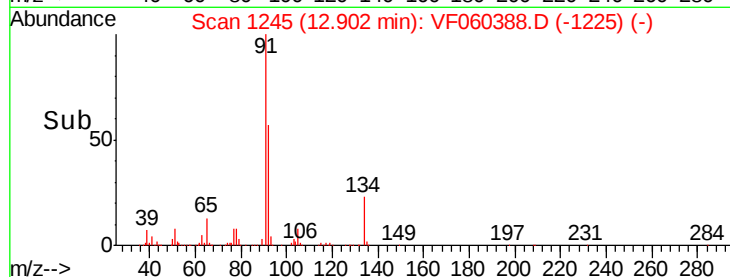
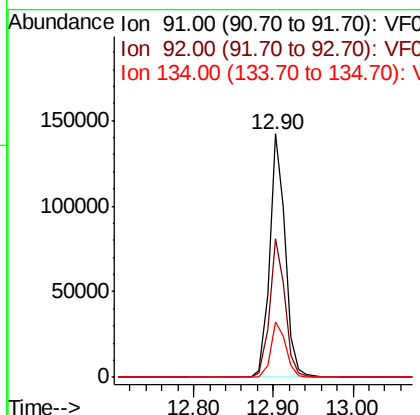
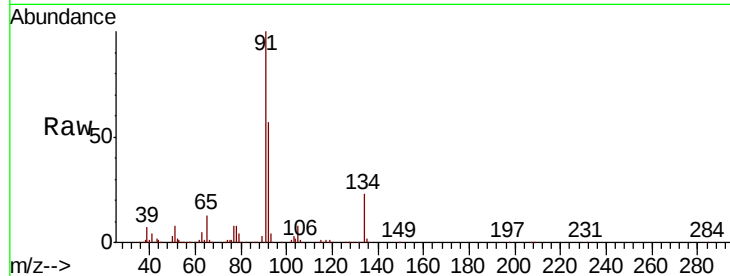
#89
n-Butylbenzene
Concen: 10.793 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.8	31.3	93.9
134	22.7	13.0	38.9

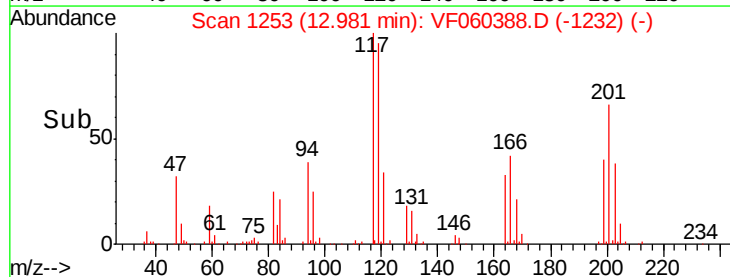
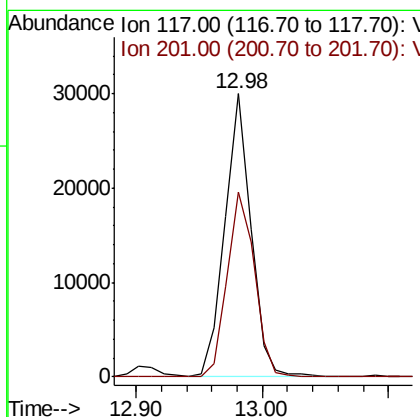
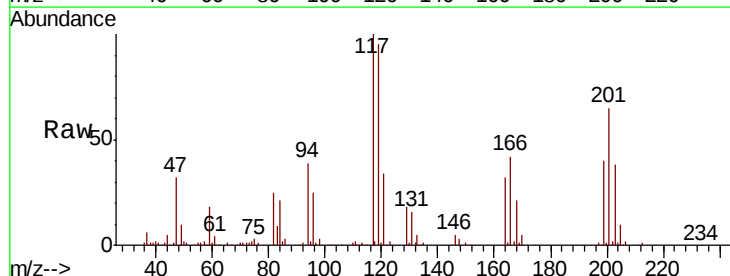
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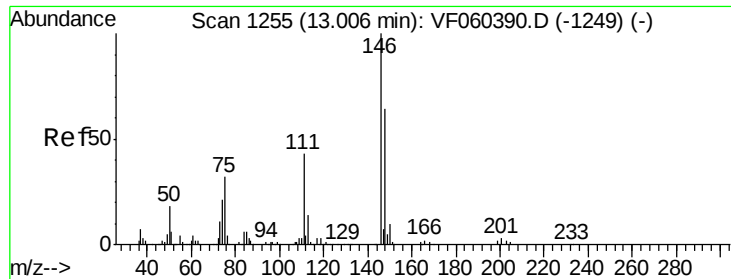
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#90
Hexachloroethane
Concen: 9.973 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.5	25.5	76.5





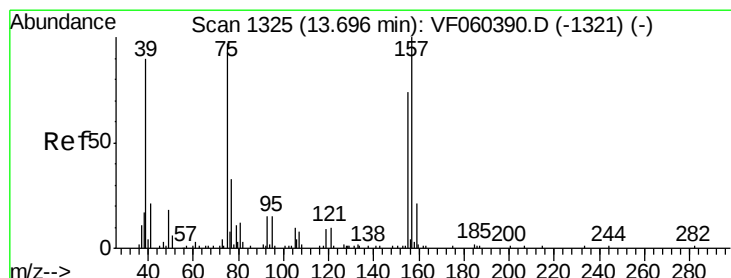
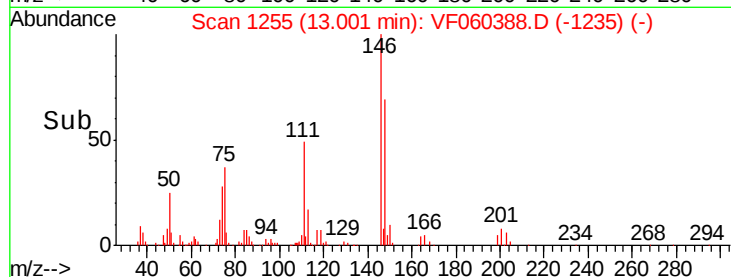
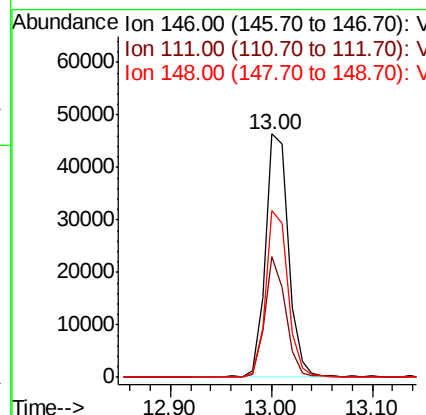
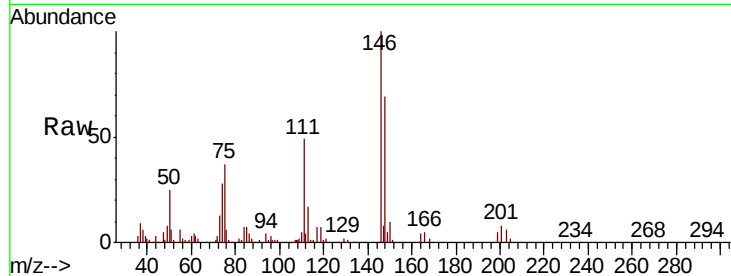
#91
 1,2-Dichlorobenzene
 Concen: 10.235 ug/l
 RT: 13.00 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.4	21.3	64.0
148	68.7	32.2	96.6

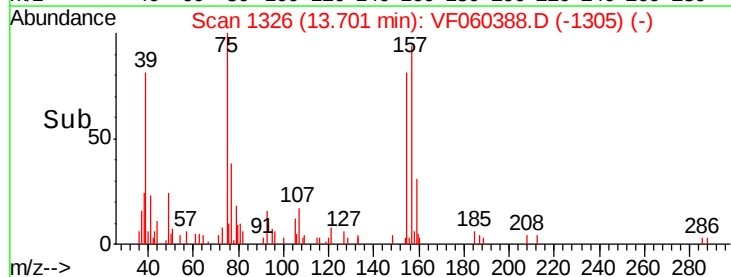
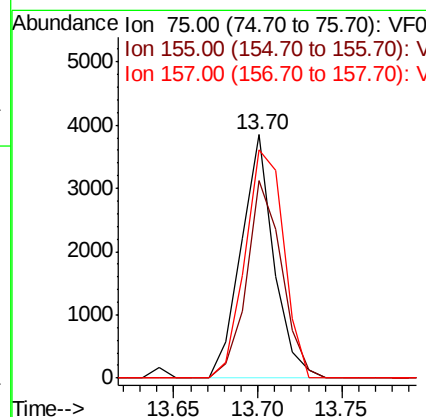
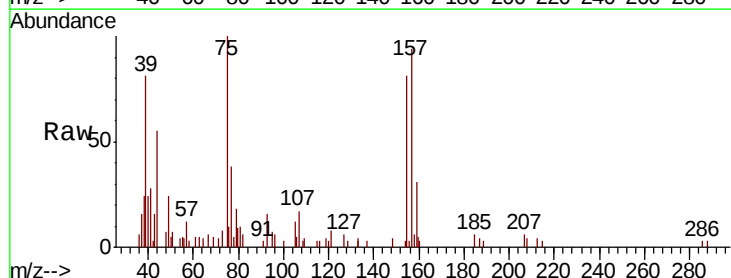
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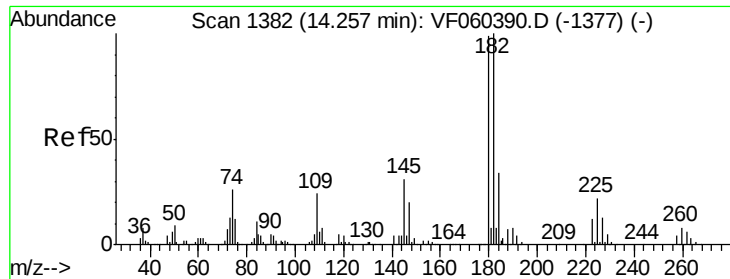
apatel
 10/2/2018 12:29:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.291 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	37.9	113.6
157	99.4	51.3	154.0





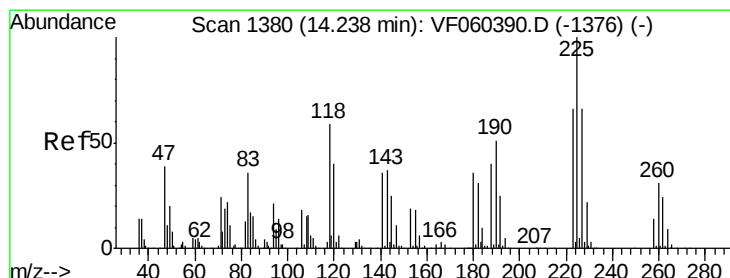
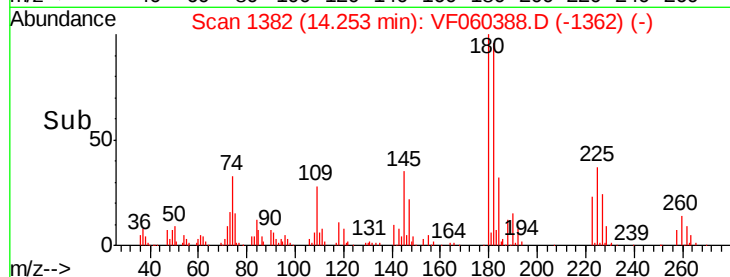
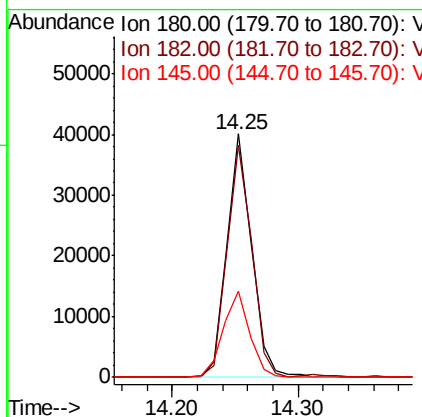
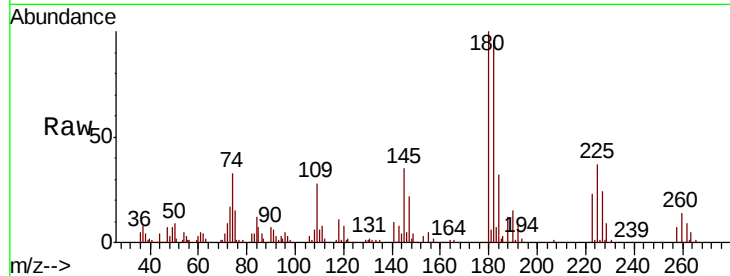
#93
 1,2,4-Trichlorobenzene
 Concen: 10.268 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54410		
182	95.6		50.3	150.9
145	35.4		15.5	46.5

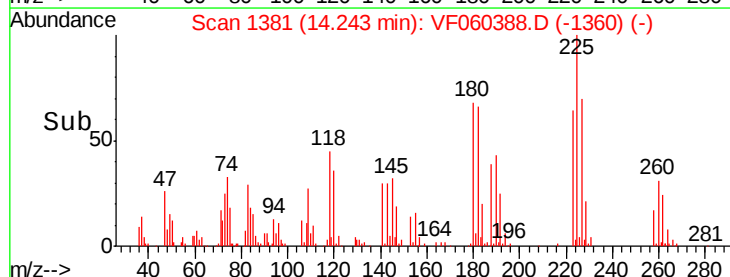
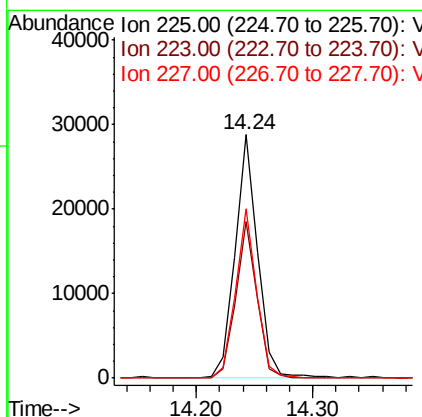
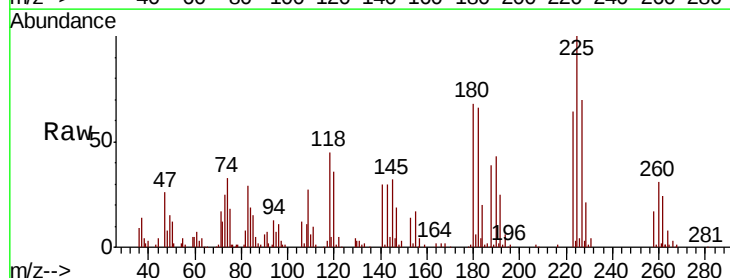
Manual Integrations
 APPROVED

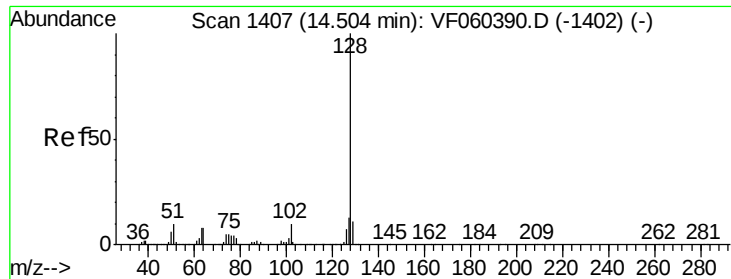
apatel
 10/2/2018 12:29:34 PM



#94
 Hexachlorobutadiene
 Concen: 10.796 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060388.D
 Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38634		
223	64.3		32.8	98.4
227	69.5		33.0	99.0





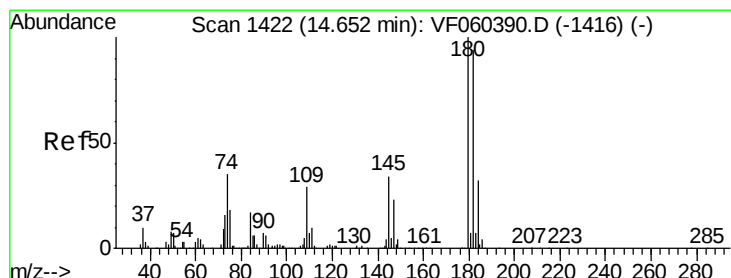
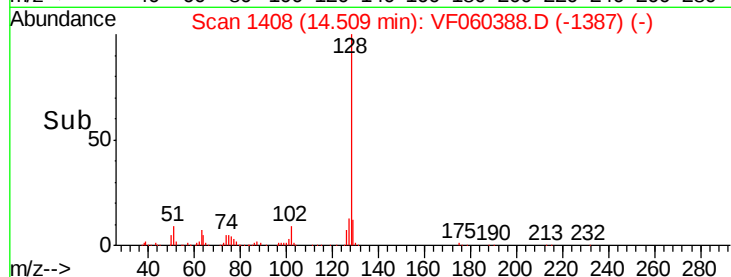
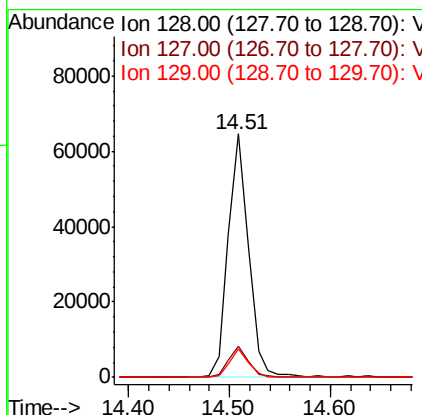
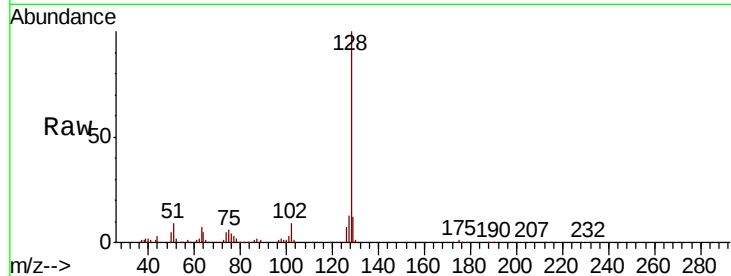
#95
Naphthalene
Concen: 9.721 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	11.7	8.7	13.1

Manual Integrations
APPROVED

apatel
10/2/2018 12:29:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.952 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060388.D
Acq: 1 Oct 2018 17:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.1	46.8	140.3
145	29.1	16.9	50.6

