

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060420.D
 Acq On : 3 Oct 2018 17:50
 Operator : VA/AP
 Sample : VF1003SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

Manual Integrations
 APPROVED

apatel
 10/4/2018 2:05:17 PM

Quant Time: Oct 04 05:45:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	281882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	468832	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	398620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	219840	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	209905	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	4.28	113	210092	47.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	7.69	98	547880	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.49	95	225656	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	134026	18.566	ug/l	99
3) Chloromethane	1.12	50	76646	20.024	ug/l	96
4) Vinyl Chloride	1.17	62	83555	20.984	ug/l	95
5) Bromomethane	1.36	94	60413	19.588	ug/l	98
6) Chloroethane	1.42	64	38654	19.453	ug/l	89
7) Trichlorofluoromethane	1.54	101	172281	18.649	ug/l	96
8) Diethyl Ether	1.70	74	22519	17.787	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.88	101	81820	18.490	ug/l	94
10) Methyl Iodide	1.95	142	127827	18.942	ug/l	95
11) Tert butyl alcohol	2.67	59	24416	91.515	ug/l #	83
12) 1,1-Dichloroethene	1.84	96	65297	19.097	ug/l	97
13) Acrolein	2.08	56	19304	89.970	ug/l #	75
14) Allyl chloride	2.18	41	115736	21.125	ug/l	90
15) Acrylonitrile	3.07	53	39891	87.259	ug/l	87
16) Acetone	2.34	43	112626	110.764	ug/l	99
17) Carbon Disulfide	1.89	76	207217	20.014	ug/l	99
18) Methyl Acetate	2.44	43	30651	17.328	ug/l #	89
19) Methyl tert-butyl Ether	2.53	73	147624	17.726	ug/l	100
20) Methylene Chloride	2.27	84	76078m	20.327	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	64405	18.860	ug/l	96
22) Diisopropyl ether	2.91	45	184974	18.601	ug/l	94
23) Vinyl Acetate	3.31	43	390604	98.880	ug/l	98
24) 1,1-Dichloroethane	2.99	63	125177	18.614	ug/l	100
25) 2-Butanone	4.49	43	125228	109.647	ug/l	99
26) 2,2-Dichloropropane	3.75	77	77938	20.463	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	78390	20.531	ug/l	85
28) Bromochloromethane	3.87	49	54749	22.090	ug/l	94
29) Tetrahydrofuran	4.24	42	46472	105.364	ug/l	98
30) Chloroform	4.01	83	174709	21.054	ug/l	94
31) Cyclohexane	3.84	56	107898	22.344	ug/l	97
32) 1,1,1-Trichloroethane	4.25	97	147882	21.416	ug/l	92
36) 1,1-Dichloropropene	4.44	75	120146	20.785	ug/l	95
37) Ethyl Acetate	4.27	43	44838	20.256	ug/l #	87
38) Carbon Tetrachloride	4.15	117	157379	22.368	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	118044	20.831	ug/l	87
40) Benzene	4.79	78	257106	22.406	ug/l	98
41) Methacrylonitrile	4.91	41	20925	17.829	ug/l	90
42) 1,2-Dichloroethane	5.10	62	106862	19.520	ug/l	100
43) Isopropyl Acetate	7.10	43	54836	20.500	ug/l #	97
44) Trichloroethene	5.65	130	74299	20.179	ug/l	94
45) 1,2-Dichloropropane	6.38	63	64477	21.099	ug/l	96
46) Dibromomethane	6.23	93	46379	18.876	ug/l	84
47) Bromodichloromethane	6.53	83	117275	19.273	ug/l #	91
48) Methyl methacrylate	6.85	41	39359	20.497	ug/l	98
49) 1,4-Dioxane	6.86	88	7114	429.685	ug/l #	72
51) 4-Methyl-2-Pentanone	8.39	43	198902	104.456	ug/l	95
52) Toluene	7.76	92	162282	20.821	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	95891	20.108	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	115915	20.798	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	46908	18.987	ug/l	98
56) Ethyl methacrylate	8.74	69	57056	20.324	ug/l	99
57) 1,3-Dichloropropane	8.98	76	82111	19.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	28763	100.306	ug/l	100
59) 2-Hexanone	9.61	43	157051	112.446	ug/l	98
60) Dibromochloromethane	8.84	129	68783	18.491	ug/l	96
61) 1,2-Dibromoethane	9.12	107	52122	19.281	ug/l	100
64) Tetrachloroethene	8.29	164	70618	22.285	ug/l	92
65) Chlorobenzene	9.93	112	175756	21.464	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.05	131	74690	20.890	ug/l	94
67) Ethyl Benzene	10.02	91	340514	21.871	ug/l	99
68) m/p-Xylenes	10.25	106	235364	43.975	ug/l	98
69) o-Xylene	10.81	106	129732	22.237	ug/l	97
70) Styrene	10.89	104	176939	21.322	ug/l	94
71) Bromoform	10.87	173	38846	20.407	ug/l #	98
73) Isopropylbenzene	11.22	105	388457	22.442	ug/l	99
74) N-amyl acetate	11.45	43	83465	21.010	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	65270	20.682	ug/l	86
76) 1,2,3-Trichloropropane	11.87	75	49706	21.395	ug/l	91
77) Bromobenzene	11.58	156	73701	19.048	ug/l	100
78) n-propylbenzene	11.67	91	456585	21.758	ug/l	93
79) 2-Chlorotoluene	11.80	91	266221	21.688	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	320334	21.782	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	22524m	21.871	ug/l	
82) 4-Chlorotoluene	11.98	91	262559	20.905	ug/l	97
83) tert-Butylbenzene	12.20	119	300363	20.707	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	310101	21.262	ug/l	95
85) sec-Butylbenzene	12.38	105	430454	21.499	ug/l	99
86) p-Isopropyltoluene	12.53	119	348346	21.296	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	152587	20.957	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	151017	21.034	ug/l	98
89) n-Butylbenzene	12.91	91	383466	22.154	ug/l	95
90) Hexachloroethane	12.98	117	82984	19.629	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	142911	20.485	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11345	18.544	ug/l	88

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	106699	20.462	ug/l	93
94) Hexachlorobutadiene	14.24	225	72413	19.897	ug/l	96
95) Naphthalene	14.51	128	187590	20.121	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	101063	20.676	ug/l	97

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

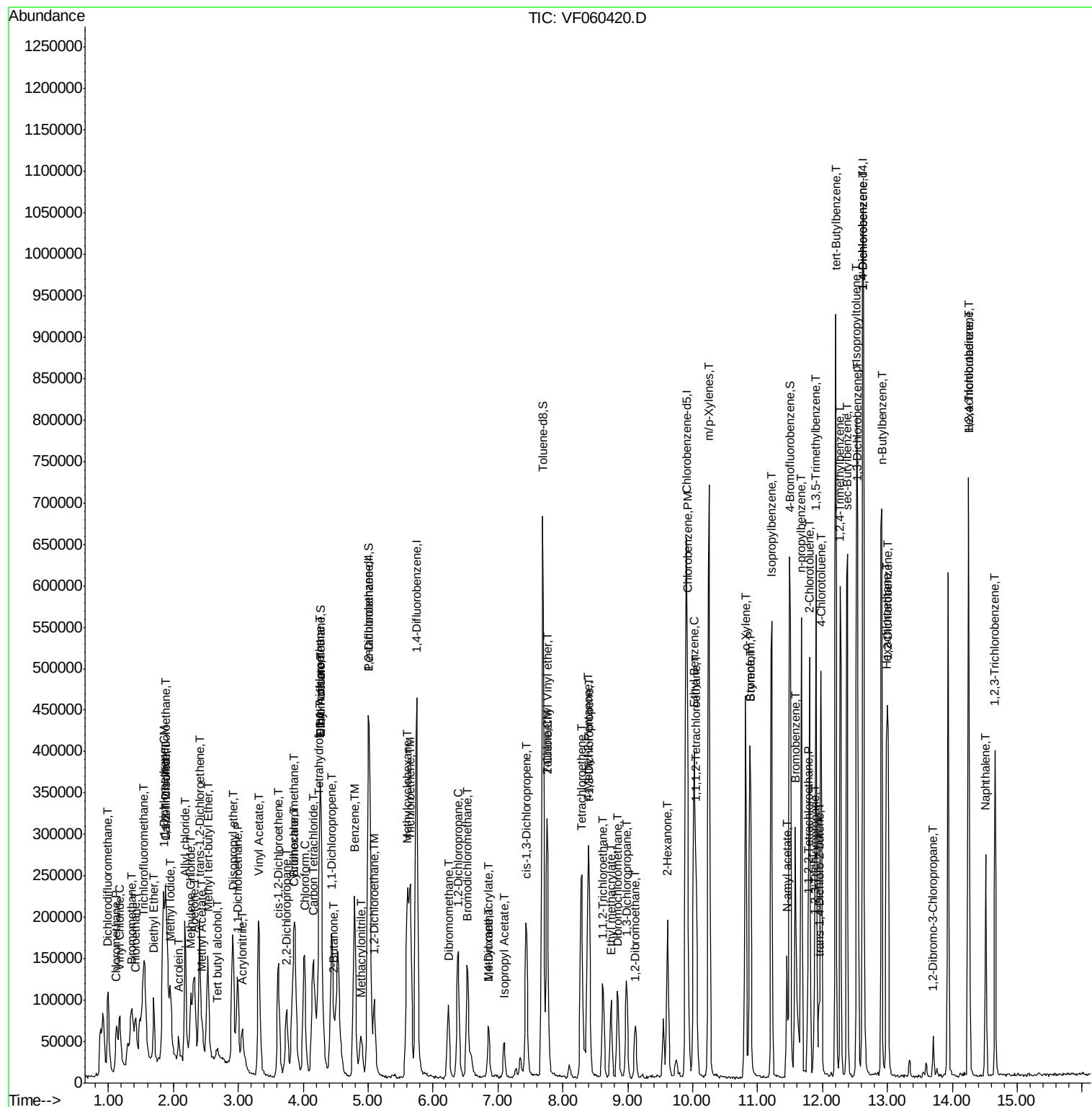
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100318\
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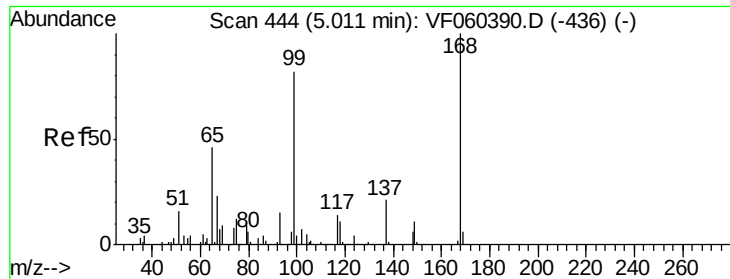
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion:168 Resp: 281882

Ion Ratio Lower Upper

168 100

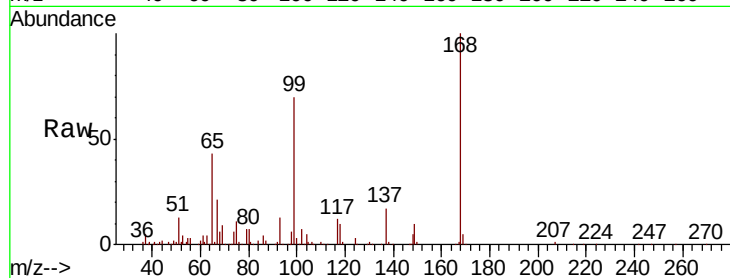
99 70.1 65.3 97.9

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

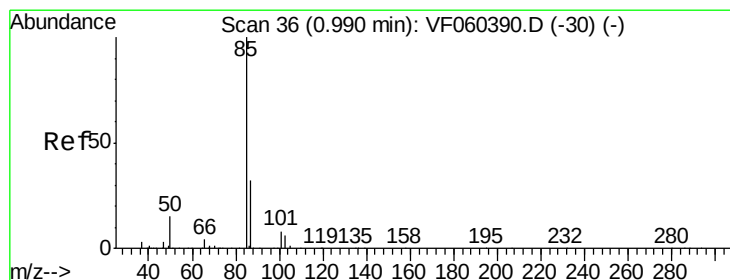
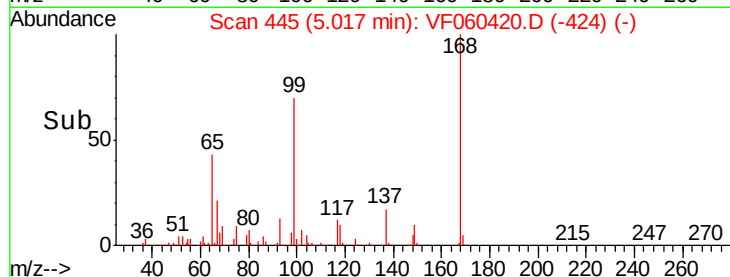
40000

20000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 18.566 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060420.D

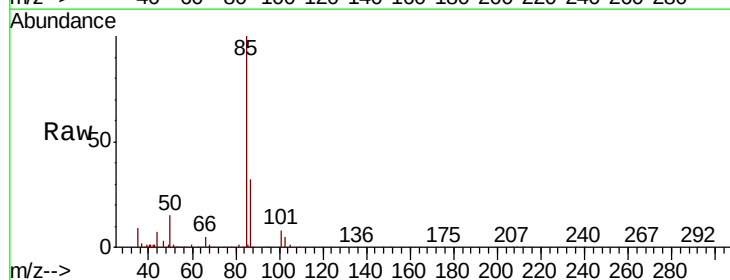
Acq: 3 Oct 2018 17:50

Tgt Ion: 85 Resp: 134026

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

60000

50000

40000

30000

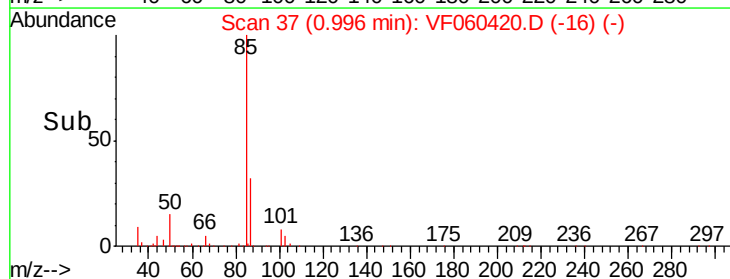
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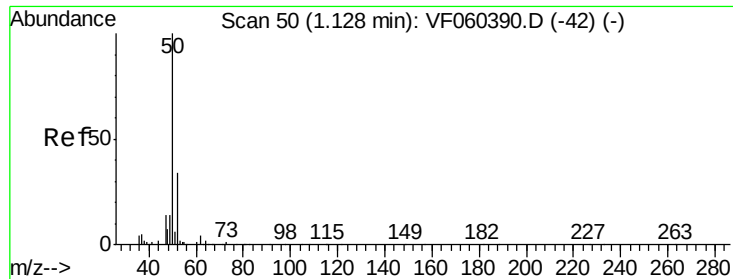
10000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 20.024 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion: 50 Resp: 76646

Ion Ratio Lower Upper

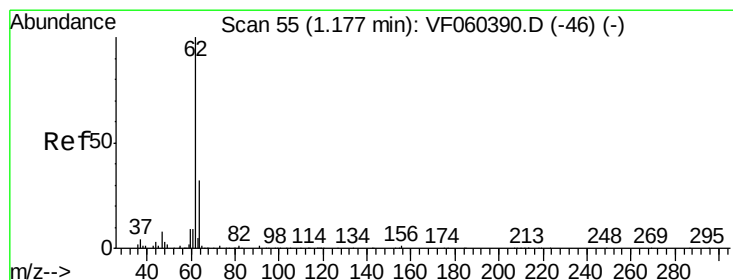
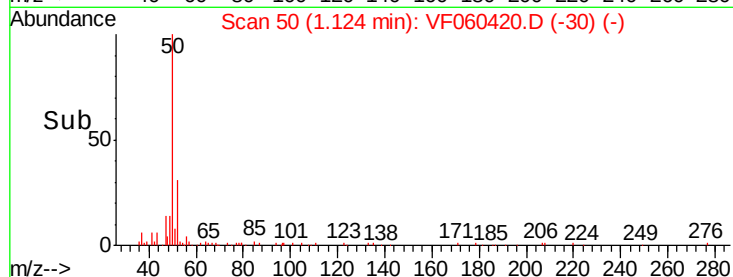
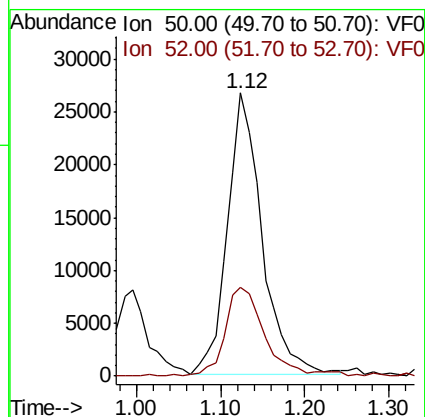
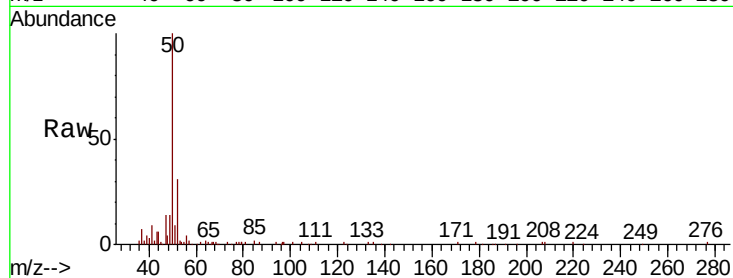
50 100

52 31.3 26.9 40.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.984 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060420.D

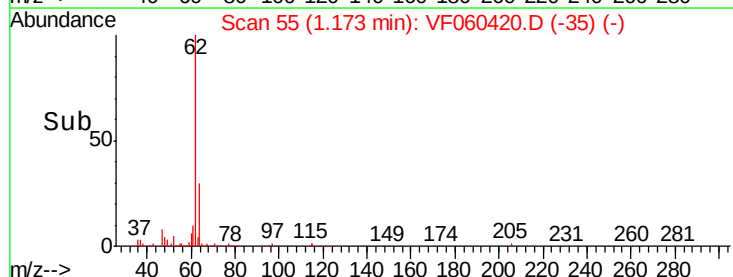
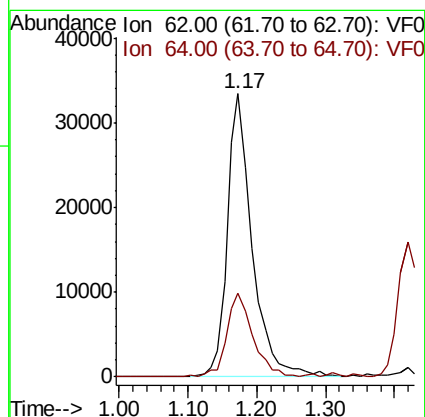
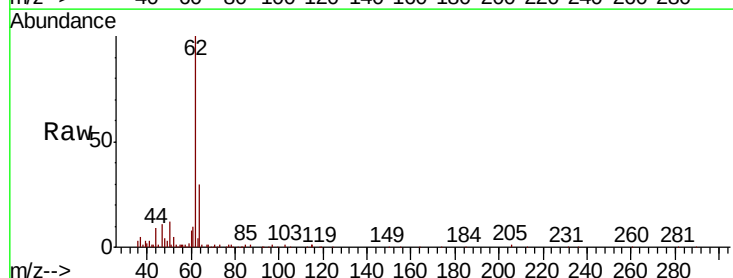
Acq: 3 Oct 2018 17:50

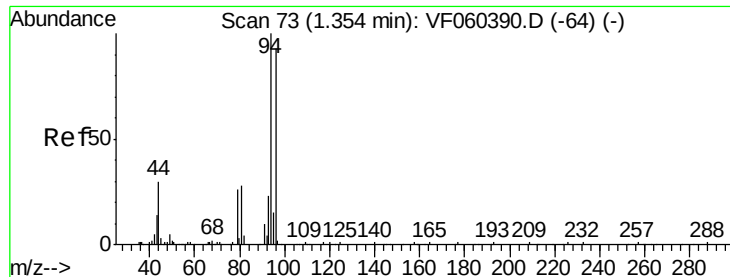
Tgt Ion: 62 Resp: 83555

Ion Ratio Lower Upper

62 100

64 29.5 25.8 38.6





#5

Bromomethane

Concen: 19.588 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 94 Resp: 60413

Ion Ratio Lower Upper

94 100

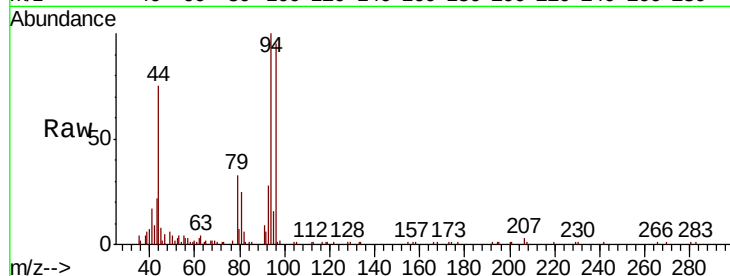
96 94.9 74.3 111.5

Manual Integrations

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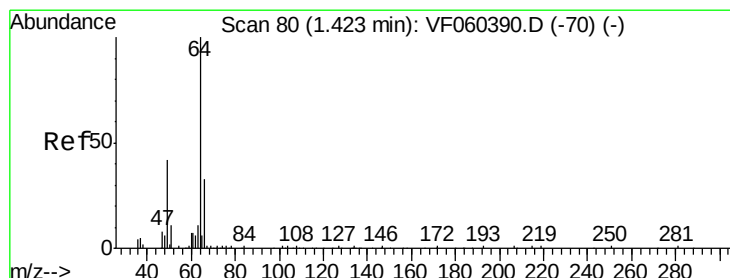
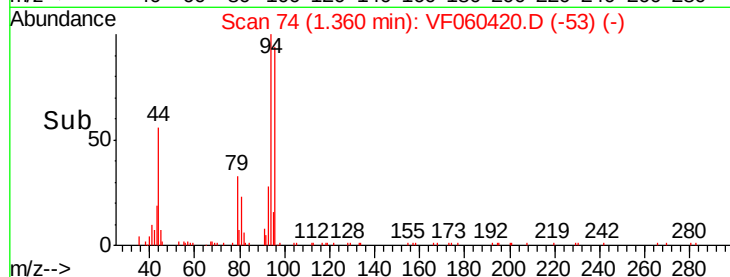
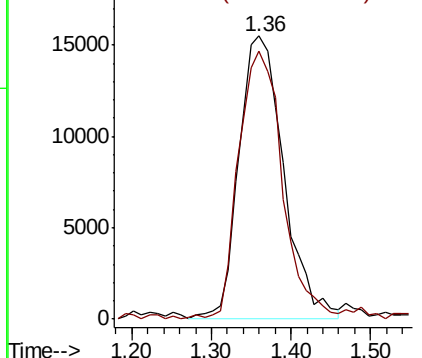
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 19.453 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060420.D

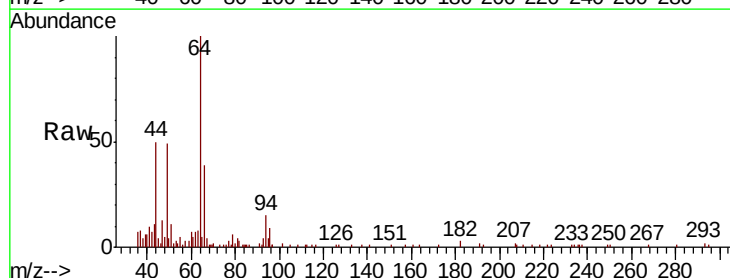
Acq: 3 Oct 2018 17:50

Tgt Ion: 64 Resp: 38654

Ion Ratio Lower Upper

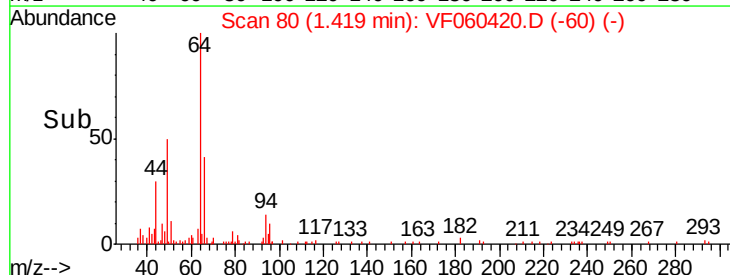
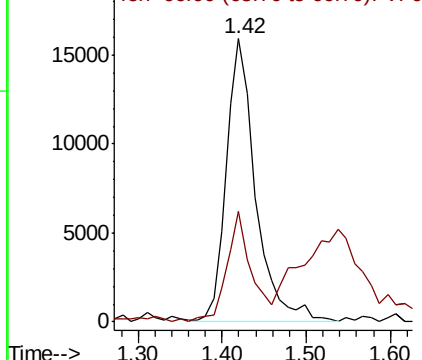
64 100

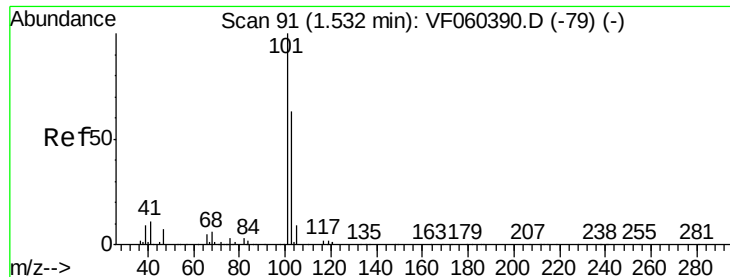
66 39.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

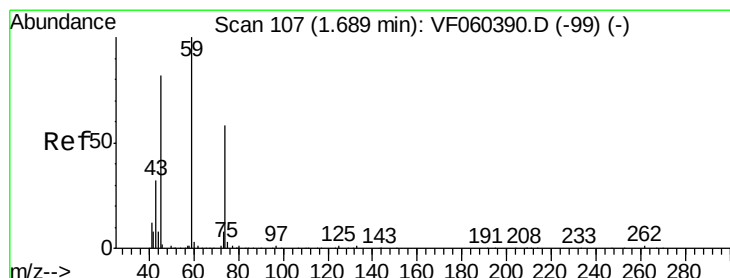
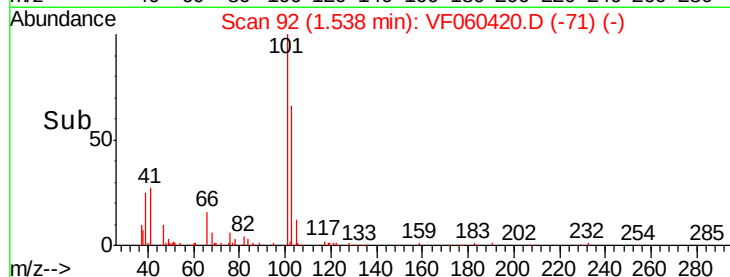
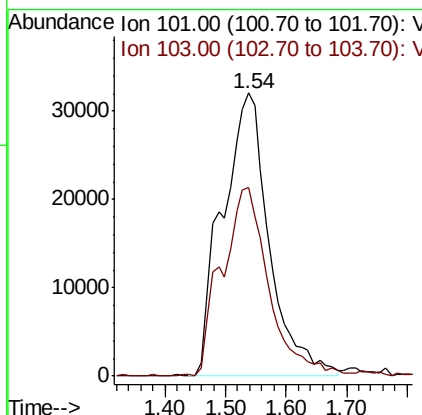
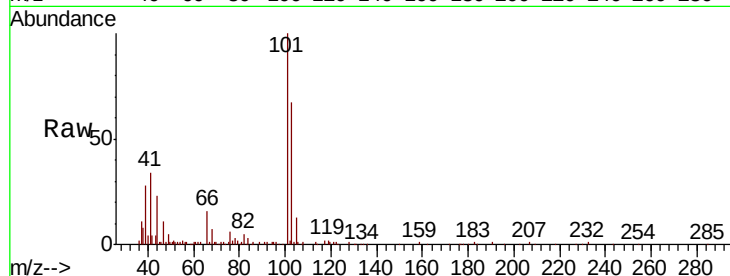
Trichlorofluoromethane
Concen: 18.649 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.0	76.4

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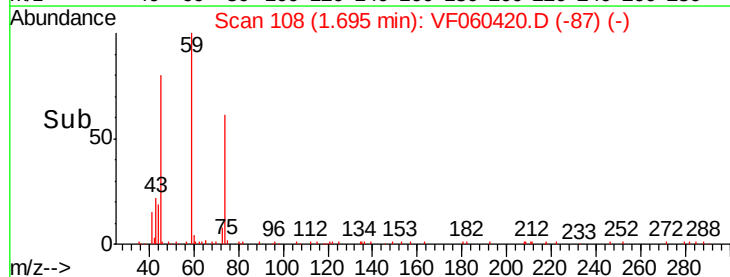
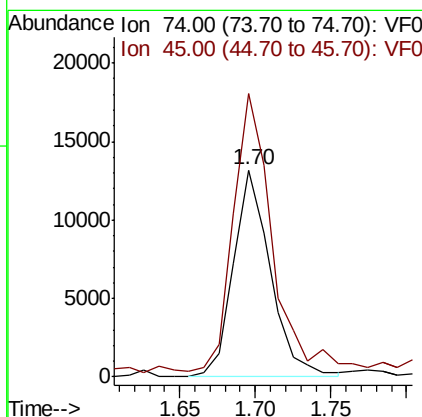
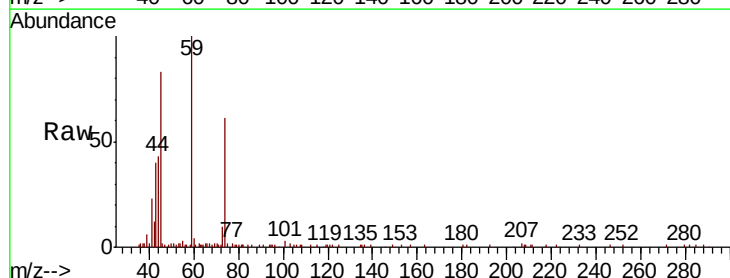
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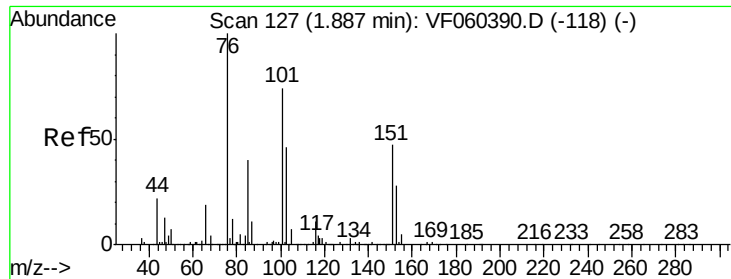


#8

Diethyl Ether
Concen: 17.787 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.7	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.490 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

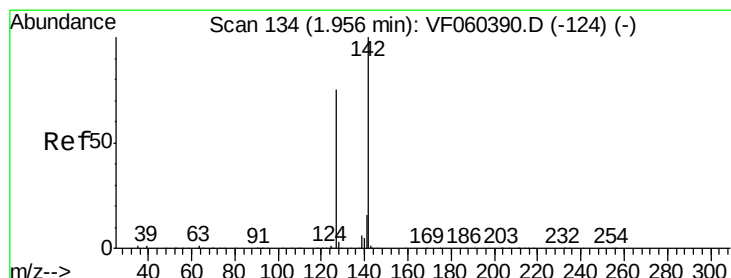
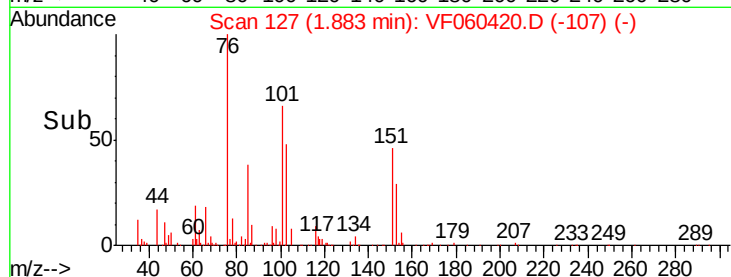
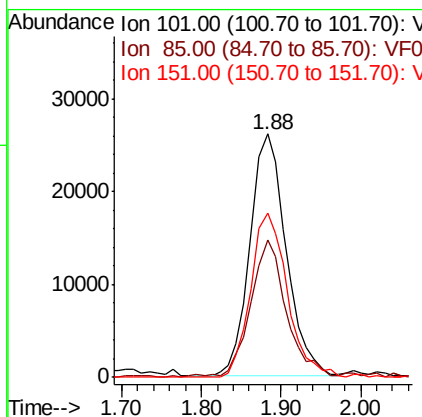
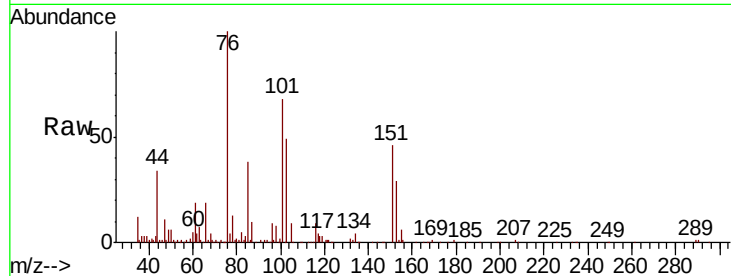
ClientSampleId :

VF1003SBSD01

Tot Ion:	101	Resp:	81820
Ion Ratio	Lower	Upper	
101	100		
85	56.6	42.5	63.7
151	67.7	49.8	74.8

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#10

Methyl Iodide

Concen: 18.942 ug/l

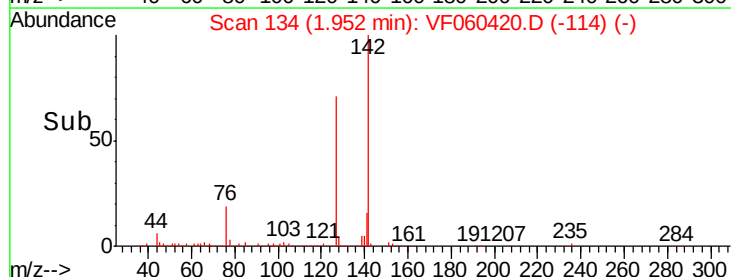
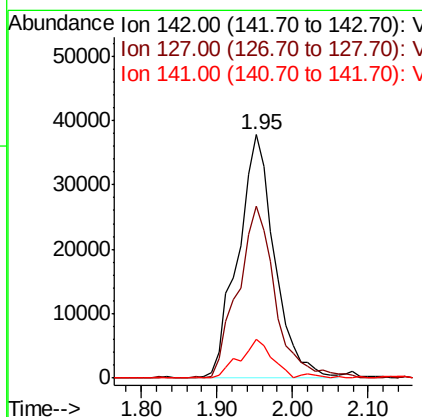
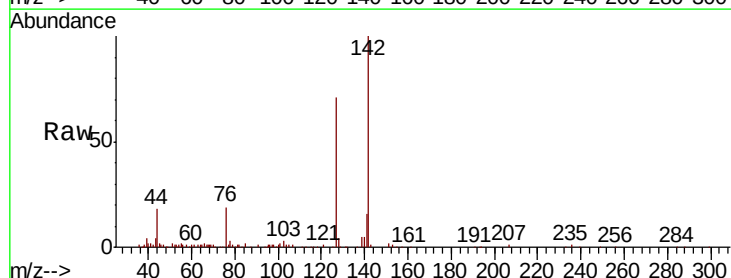
RT: 1.95 min Scan# 134

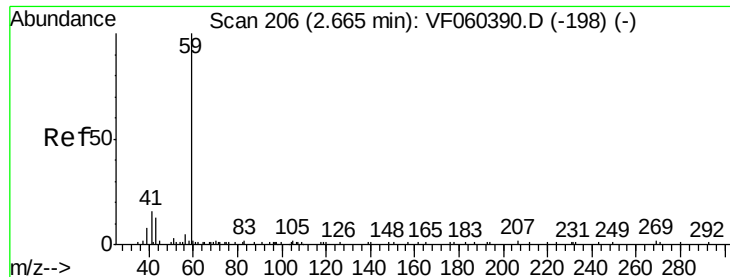
Delta R.T. -0.00 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion:	142	Resp:	127827
Ion Ratio	Lower	Upper	
142	100		
127	70.5	60.2	90.2
141	16.0	13.1	19.7





#11

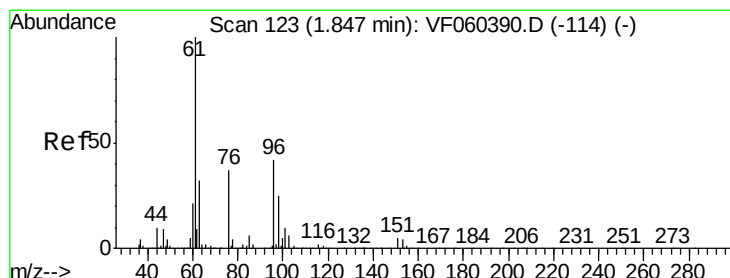
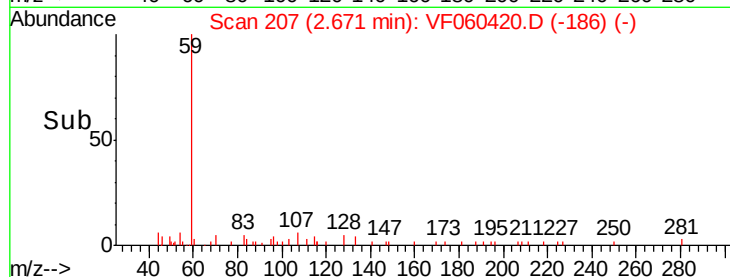
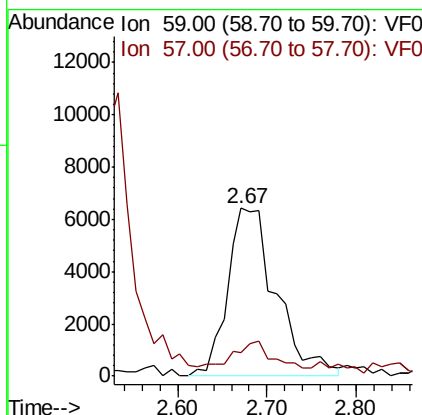
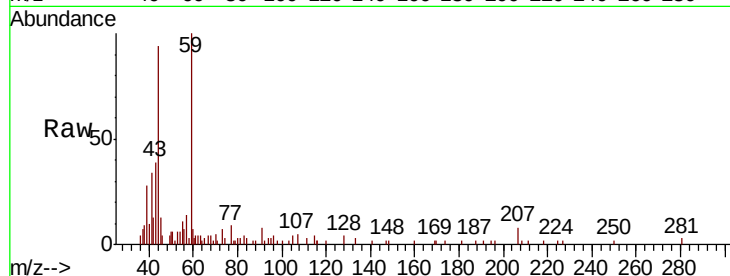
Tert butyl alcohol
Concen: 91.515 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.2	6.5	9.7#

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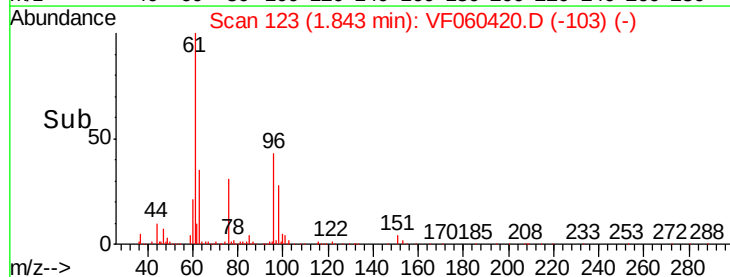
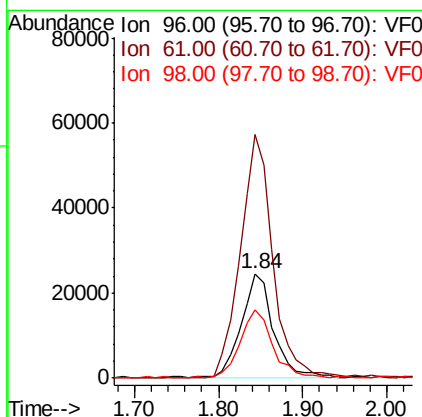
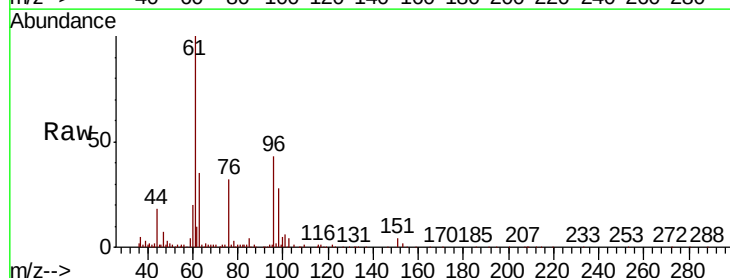
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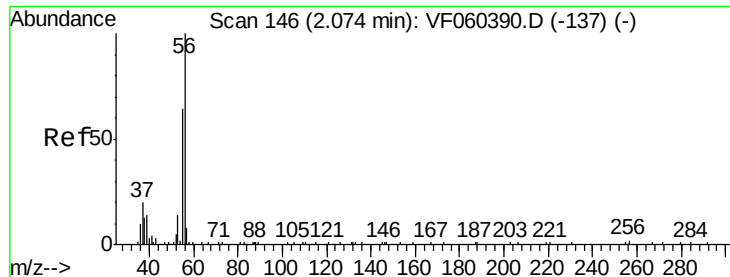


#12

1,1-Dichloroethene
Concen: 19.097 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.7	189.4	284.0
98	65.9	47.8	71.6





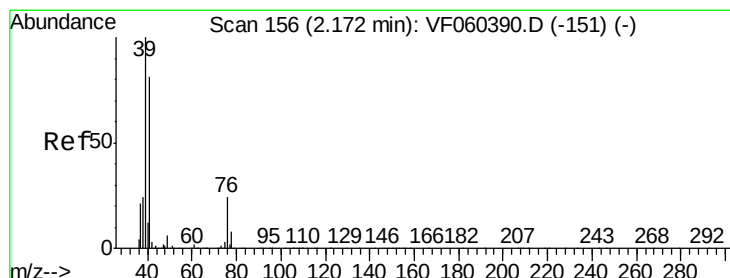
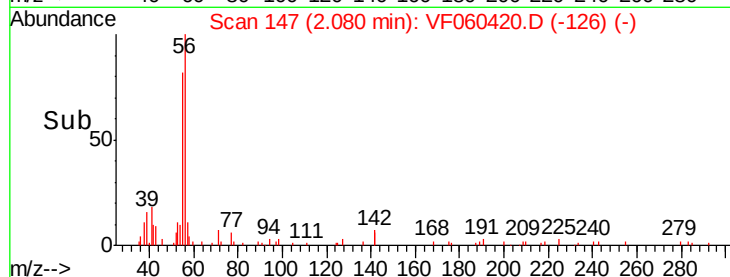
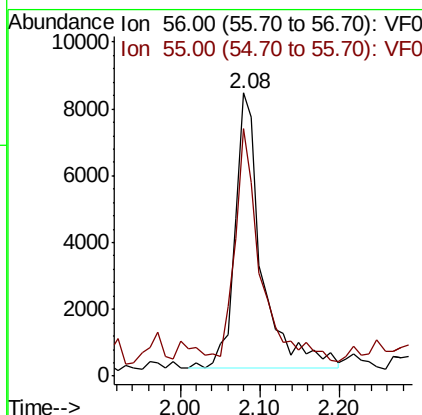
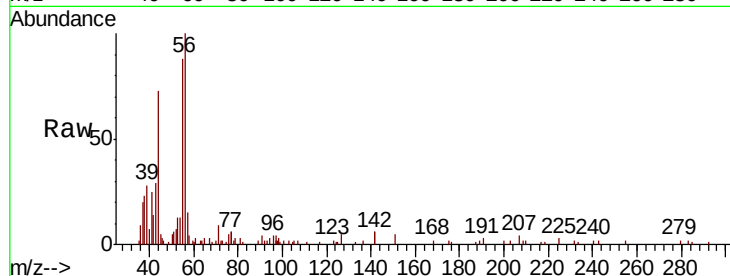
#13
Acrolein
Concen: 89.970 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion: 56 Resp: 19304
Ion Ratio Lower Upper
56 100
55 87.6 53.9 80.9#

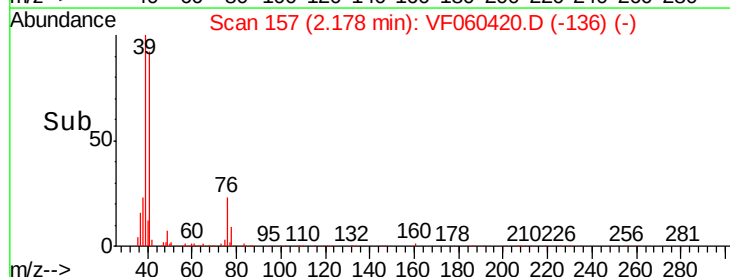
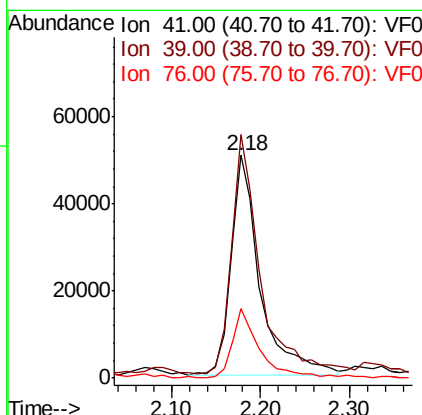
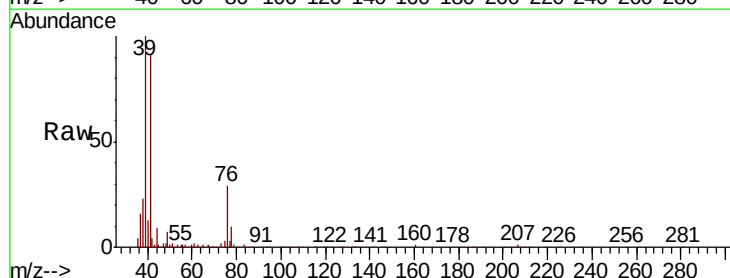
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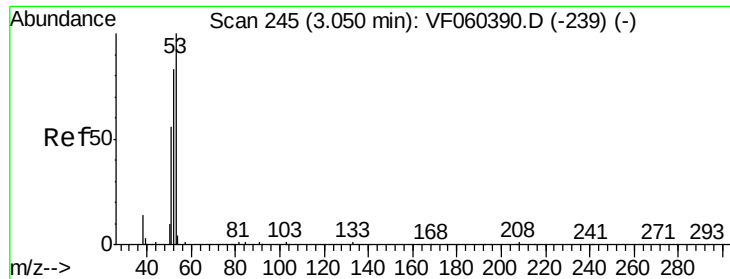
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#14
Allyl chloride
Concen: 21.125 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion: 41 Resp: 115736
Ion Ratio Lower Upper
41 100
39 109.4 98.3 147.5
76 31.4 23.9 35.9





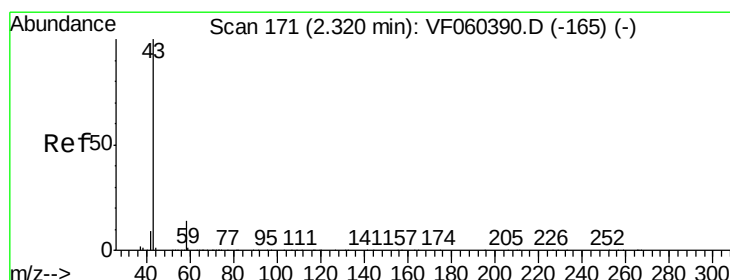
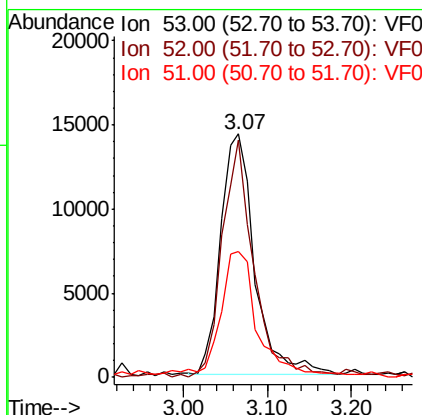
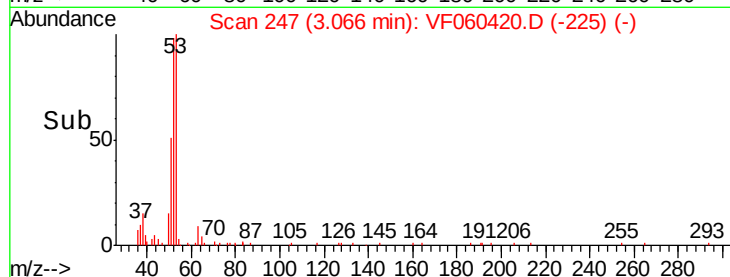
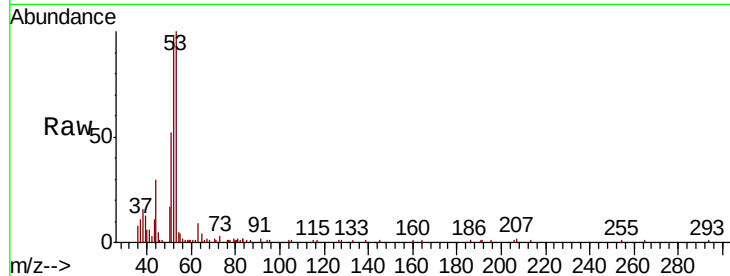
#15
 Acrylonitrile
 Concen: 87.259 ug/l
 RT: 3.07 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion:	53	Resp:	39891
Ion Ratio	Lower	Upper	
53	100		
52	97.7	66.0	99.0
51	51.9	45.6	68.4

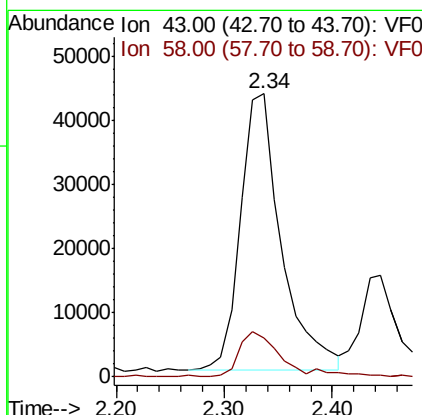
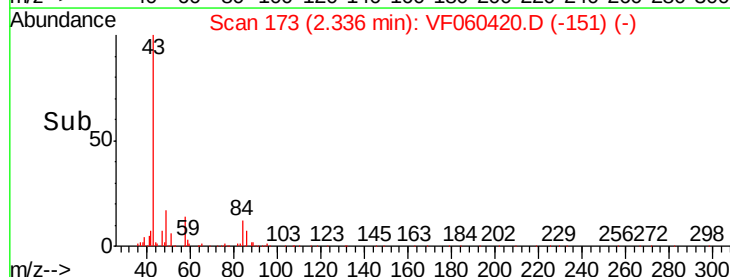
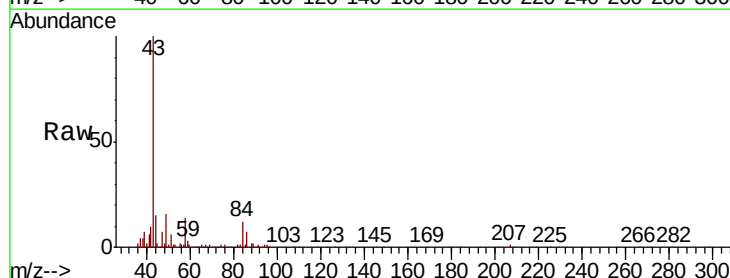
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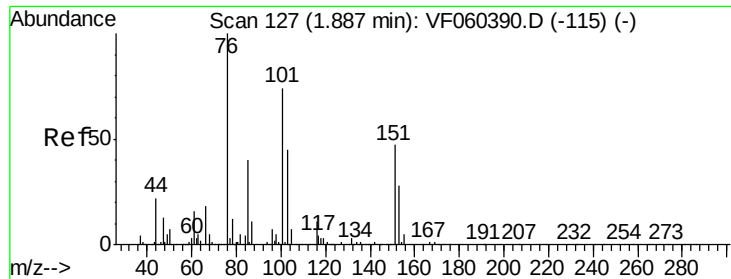
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#16
 Acetone
 Concen: 110.764 ug/l
 RT: 2.34 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion:	43	Resp:	112626
Ion Ratio	Lower	Upper	
43	100		
58	13.7	11.2	16.8





#17

Carbon Disulfide

Concen: 20.014 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion: 76 Resp: 207217

Ion Ratio Lower Upper

76 100

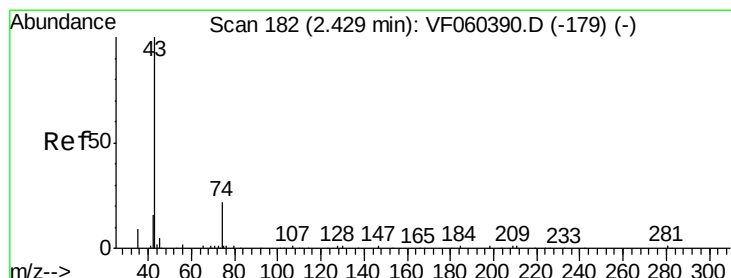
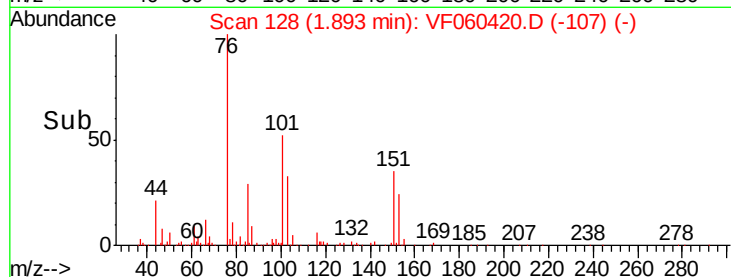
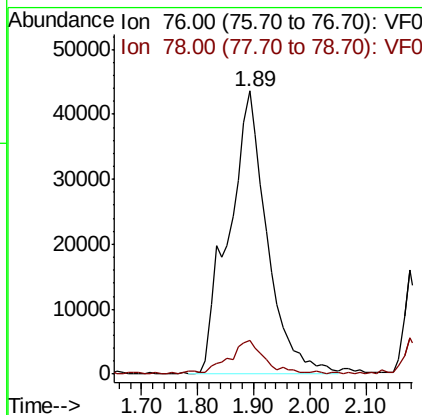
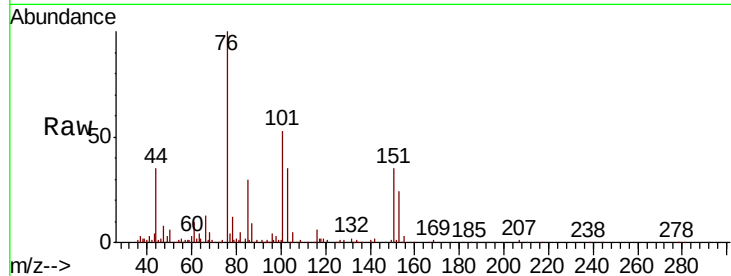
78 12.0 10.1 15.1

Manual Integrations

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#18

Methyl Acetate

Concen: 17.328 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF060420.D

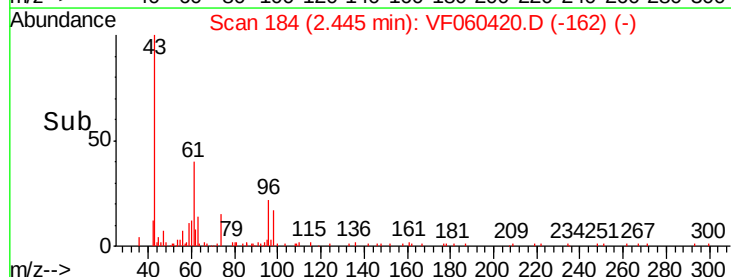
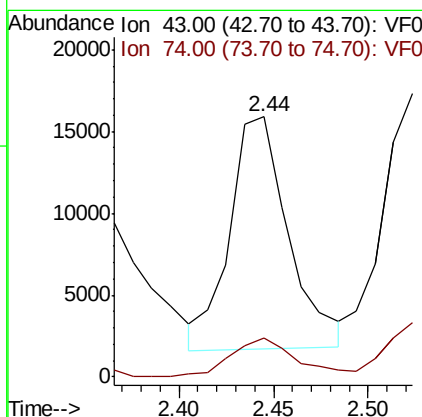
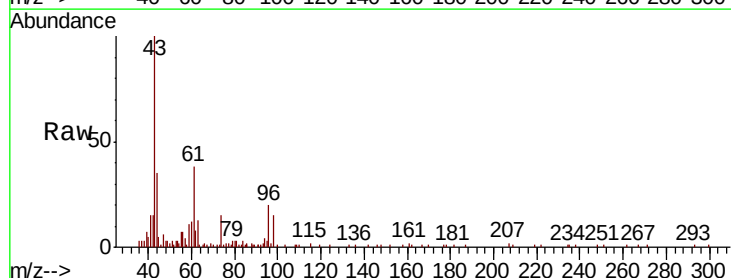
Acq: 3 Oct 2018 17:50

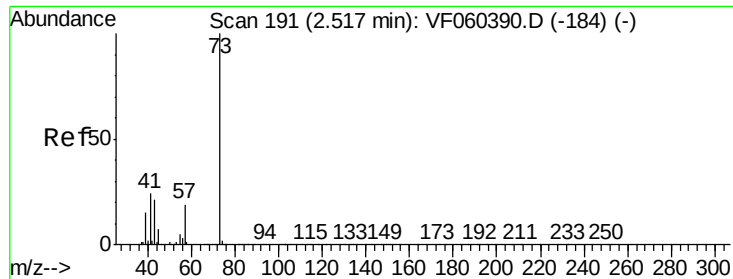
Tgt Ion: 43 Resp: 30651

Ion Ratio Lower Upper

43 100

74 14.9 15.8 23.8#





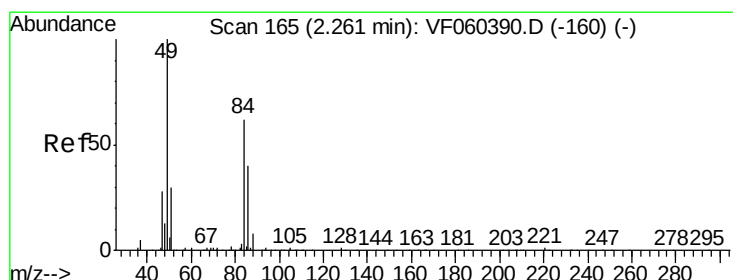
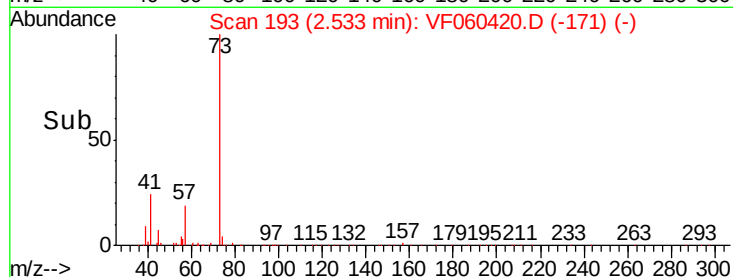
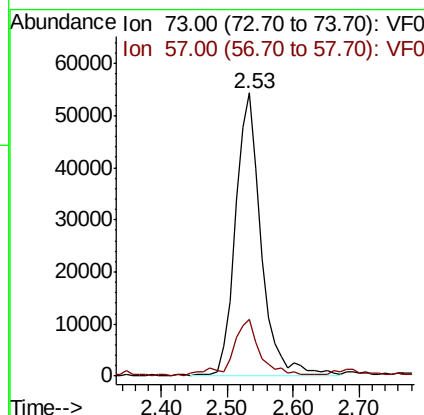
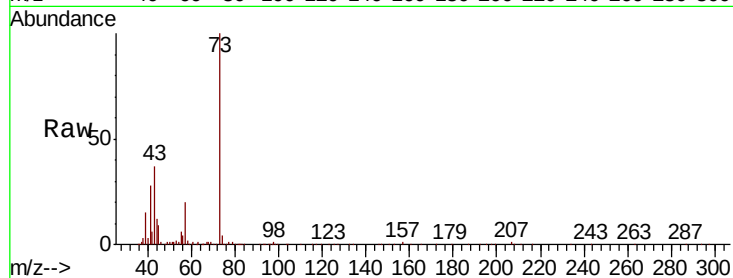
#19
Methyl tert-butyl Ether
Concen: 17.726 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	15.9	23.9

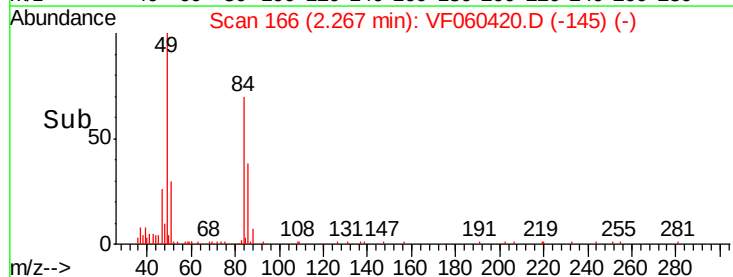
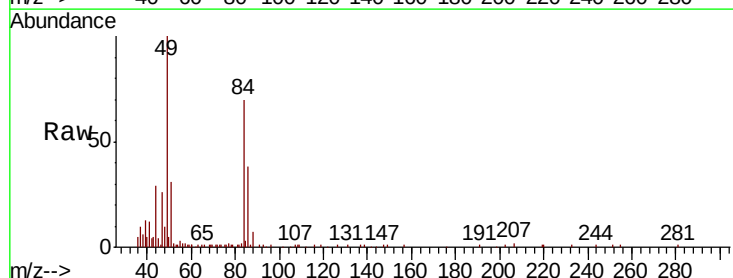
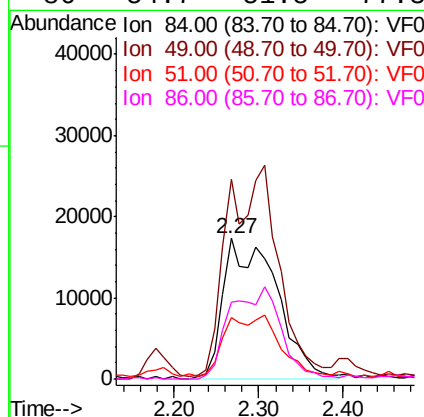
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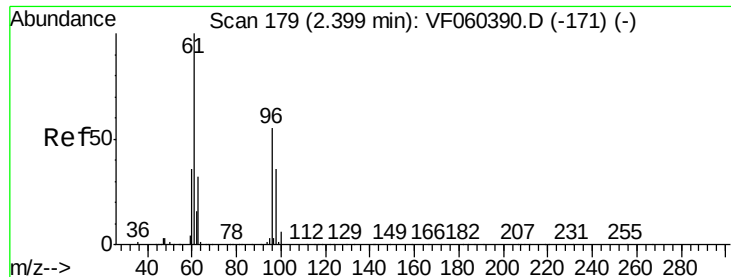
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#20
Methylene Chloride
Concen: 20.327 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.2	130.2	195.2
51	43.7	41.0	61.6
86	54.7	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 18.860 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

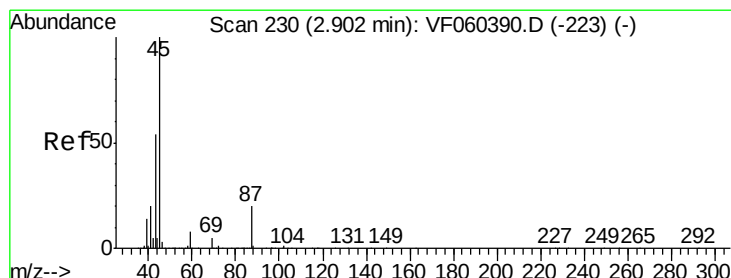
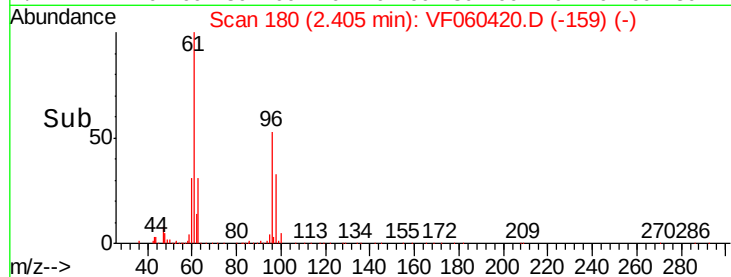
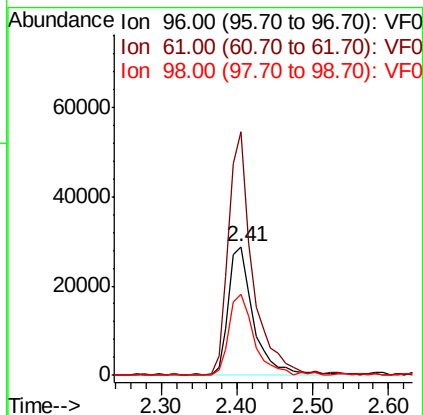
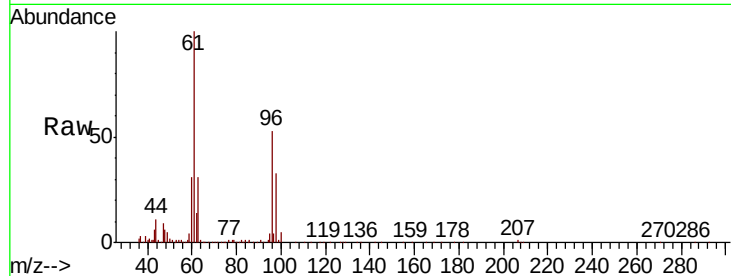
ClientSampleId :

VF1003SBSD01

Tot Ion:	96	Resp:	64405
Ion Ratio	Lower	Upper	
96	100		
61	189.5	146.2	219.2
98	63.4	52.6	78.8

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#22

Diisopropyl ether

Concen: 18.601 ug/l

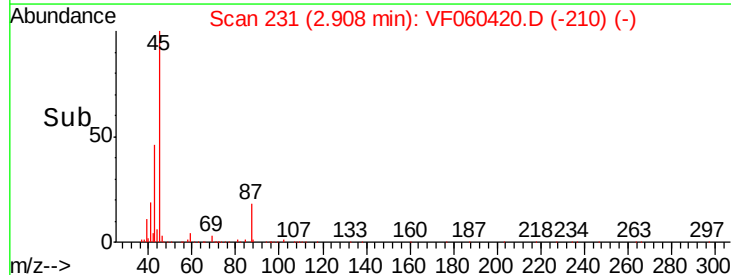
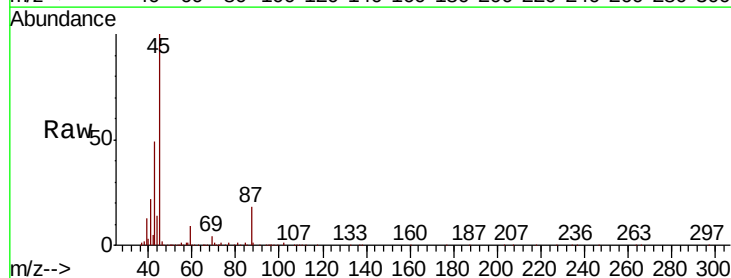
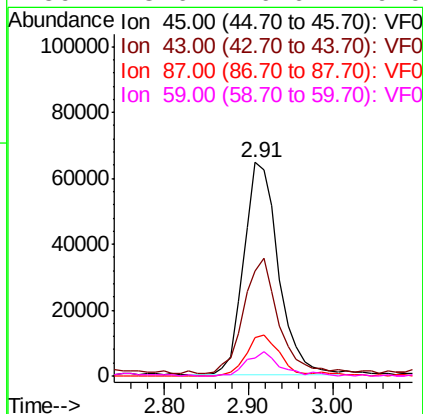
RT: 2.91 min Scan# 231

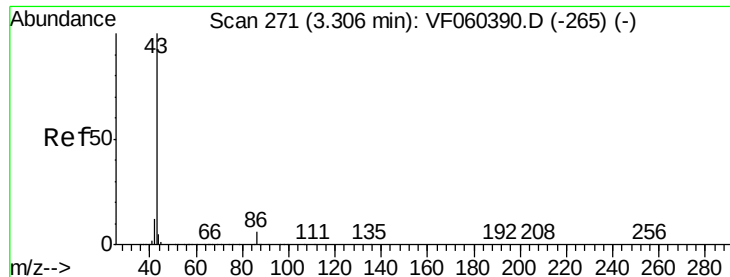
Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion:	45	Resp:	184974
Ion Ratio	Lower	Upper	
45	100		
43	49.2	43.8	65.8
87	18.2	16.3	24.5
59	8.6	6.6	10.0





#23

Vinyl Acetate

Concen: 98.880 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion: 43 Resp: 390604

Ion Ratio Lower Upper

43 100

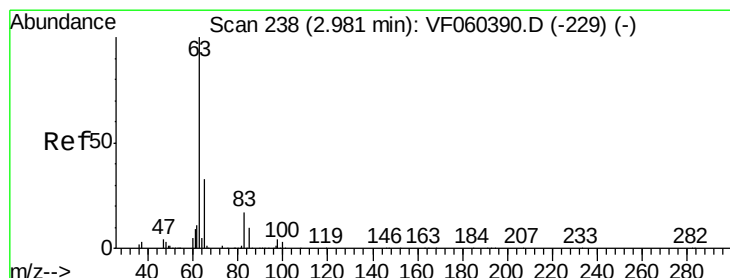
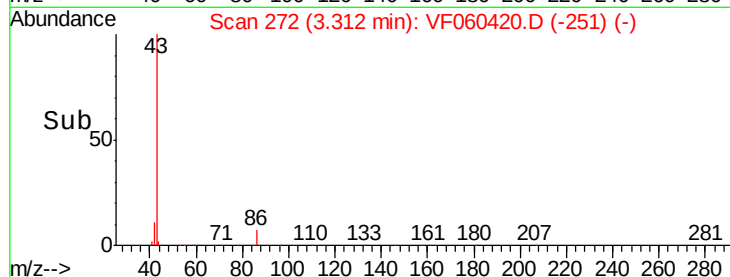
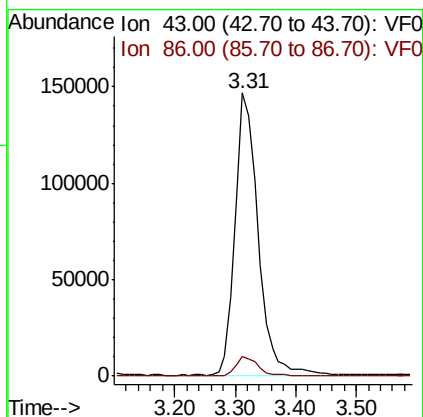
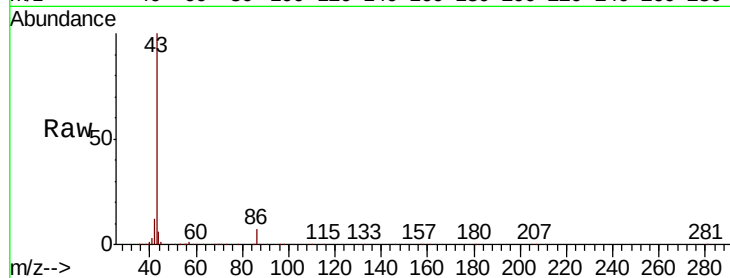
86 7.0 5.1 7.7

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#24

1,1-Dichloroethane

Concen: 18.614 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

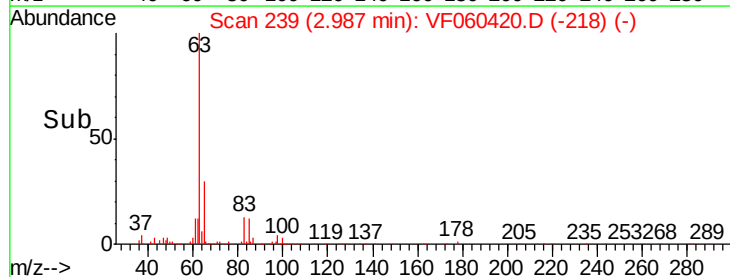
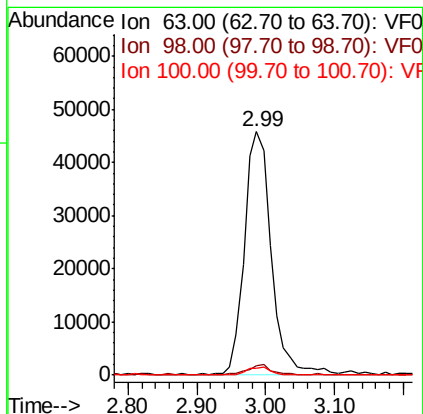
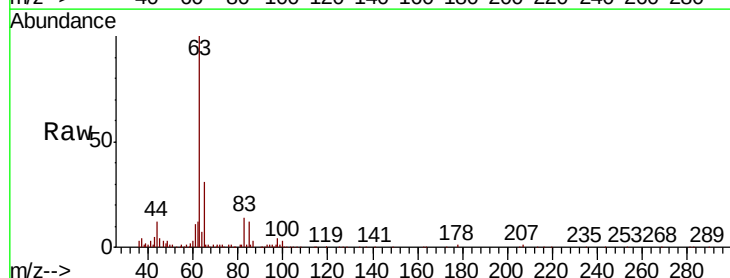
Tgt Ion: 63 Resp: 125177

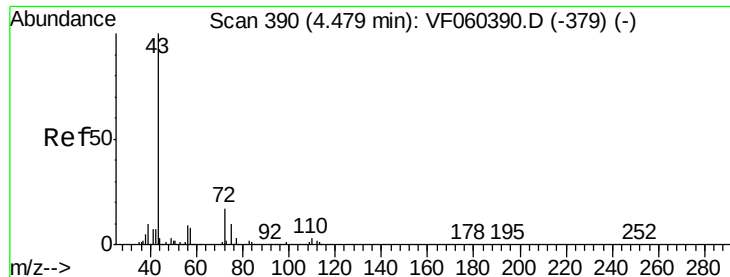
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.9 1.4 4.2





#25

2-Butanone

Concen: 109.647 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tot Ion: 43 Resp: 125228

Ion Ratio Lower Upper

43 100

72 17.4 14.1 21.1

Instrument :

MSVOA_F

ClientSampleId :

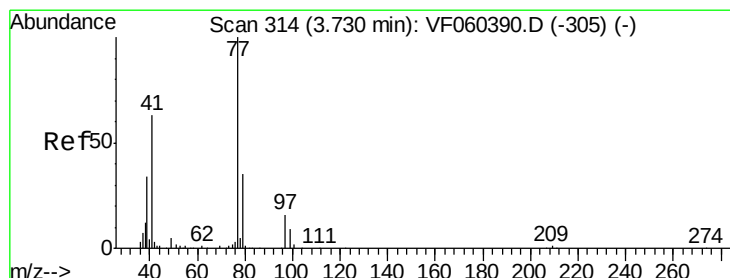
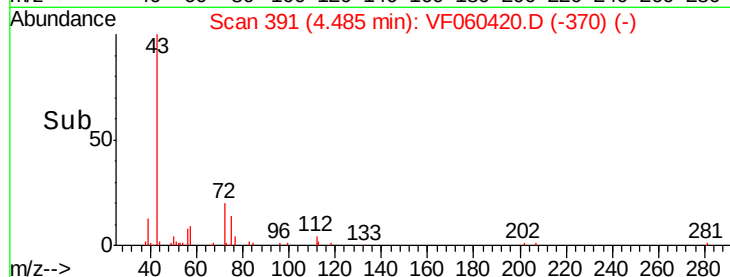
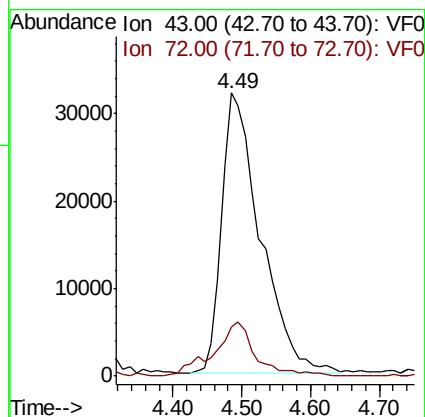
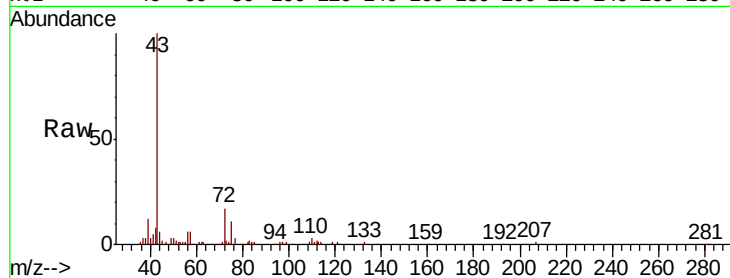
VF1003SBSD01

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#26

2,2-Dichloropropane

Concen: 20.463 ug/l

RT: 3.75 min Scan# 316

Delta R.T. 0.02 min

Lab File: VF060420.D

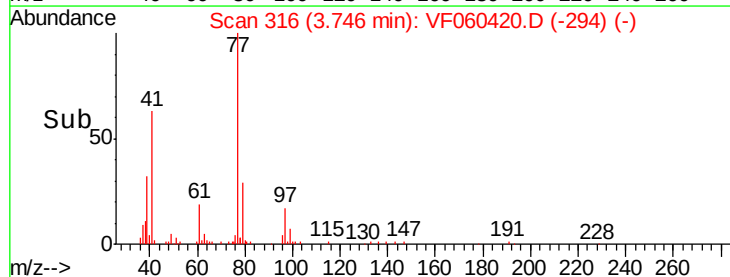
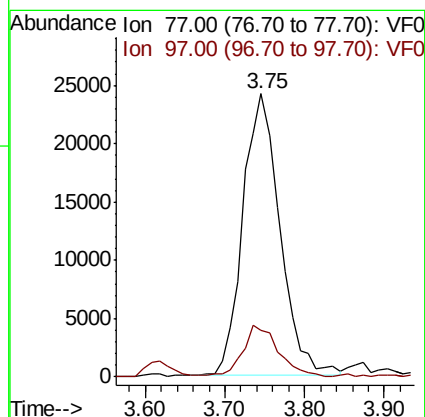
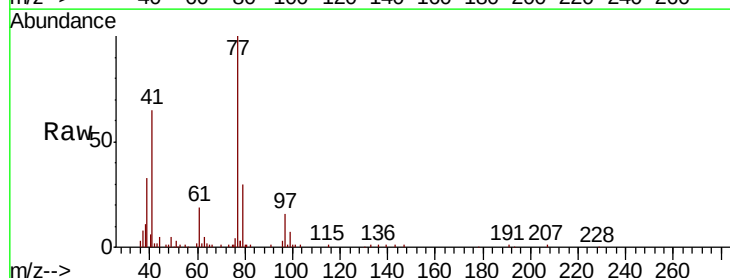
Acq: 3 Oct 2018 17:50

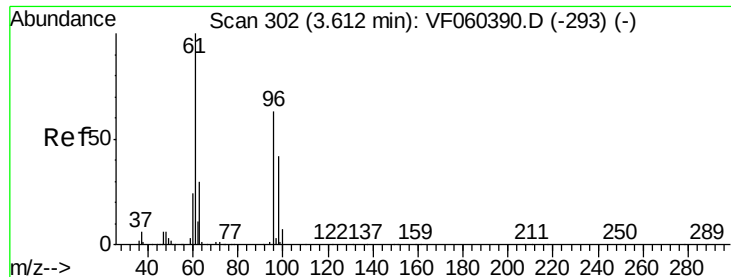
Tgt Ion: 77 Resp: 77938

Ion Ratio Lower Upper

77 100

97 16.5 8.3 25.1





#27

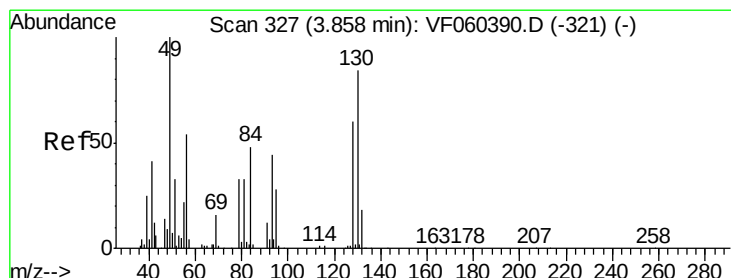
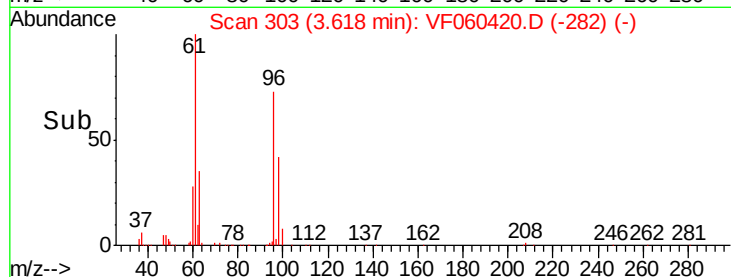
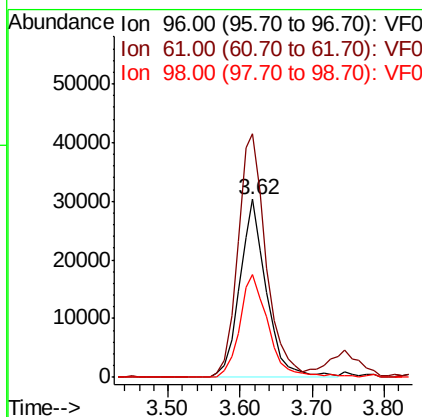
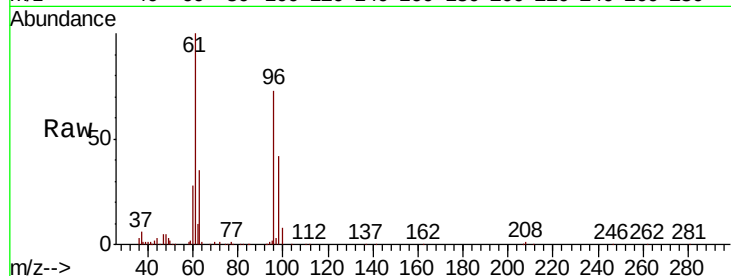
cis-1,2-Dichloroethene
Concen: 20.531 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	318.2
98	57.9	0.0	134.0

Manual Integrations
APPROVED

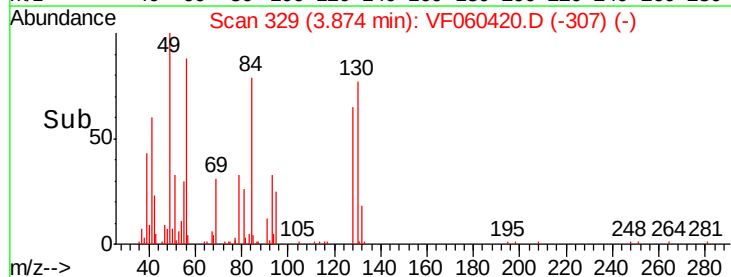
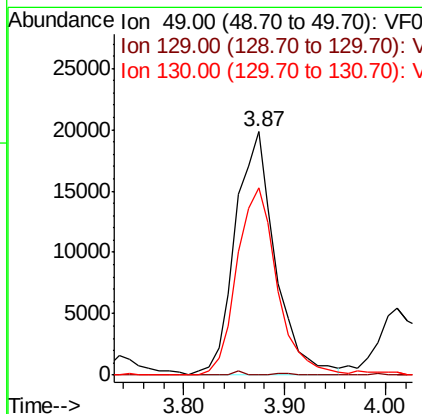
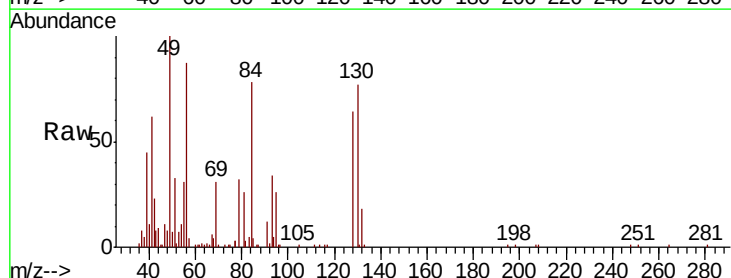
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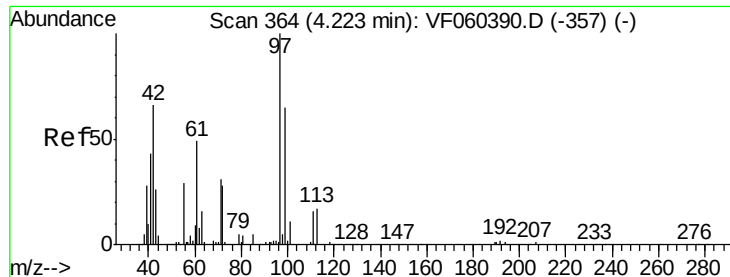


#28

Bromochloromethane
Concen: 22.090 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	78.3	67.3	100.9





#29

Tetrahydrofuran

Concen: 105.364 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

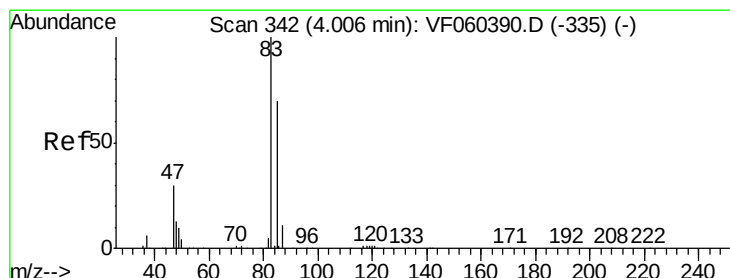
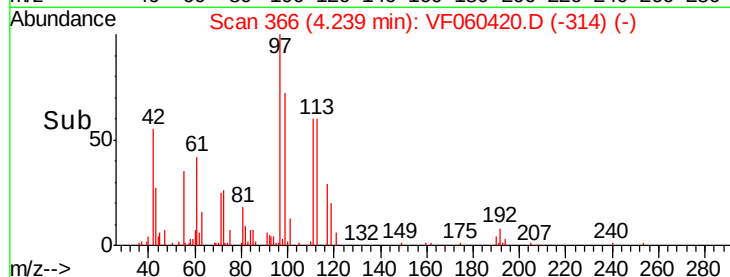
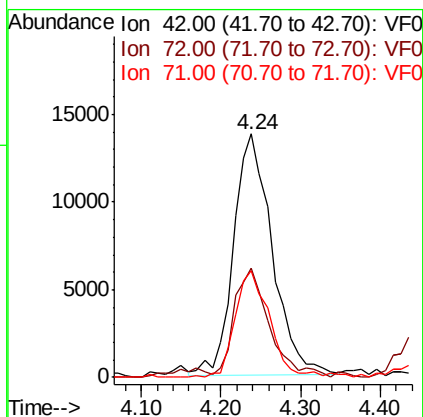
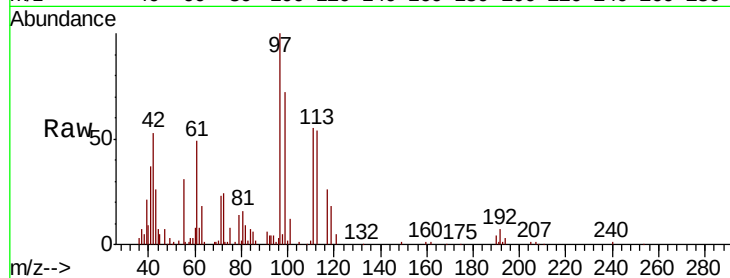
ClientSampleId :

VF1003SBS01

Tot Ion:	42	Resp:	46472
Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.6	50.4
71	39.2	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 21.054 ug/l

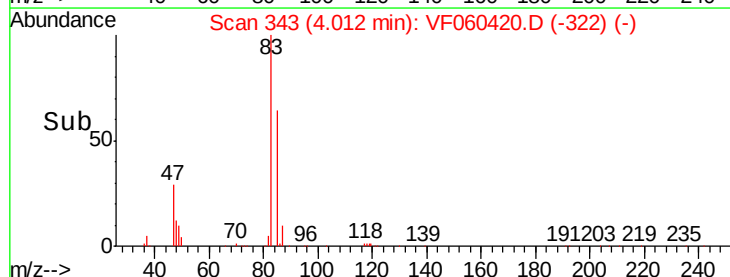
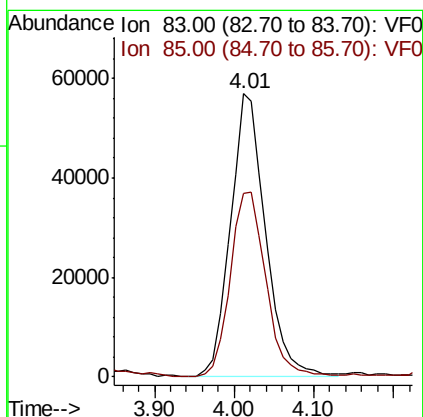
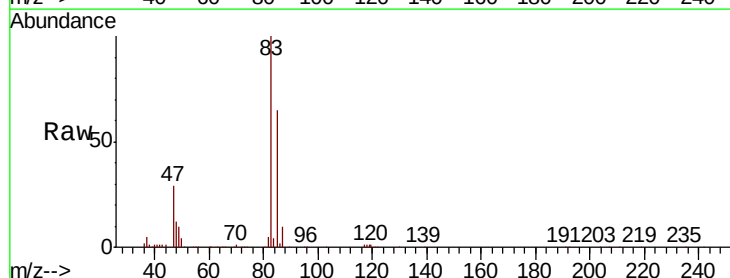
RT: 4.01 min Scan# 343

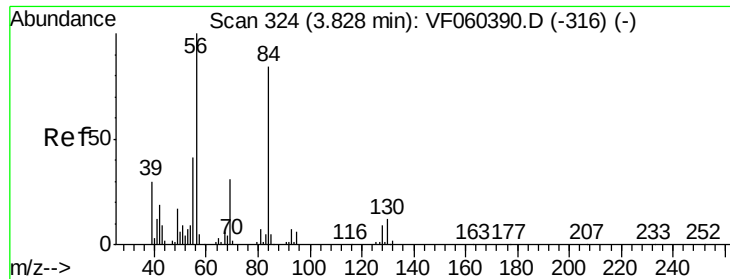
Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion:	83	Resp:	174709
Ion	Ratio	Lower	Upper
83	100		
85	64.7	55.9	83.9





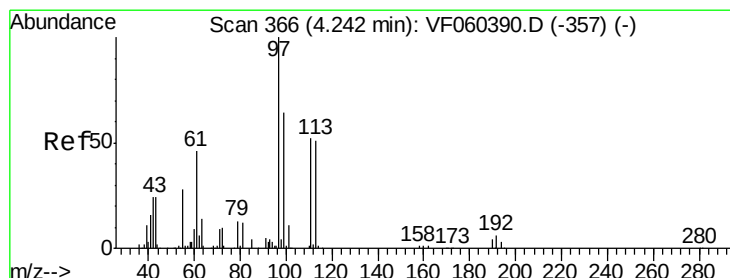
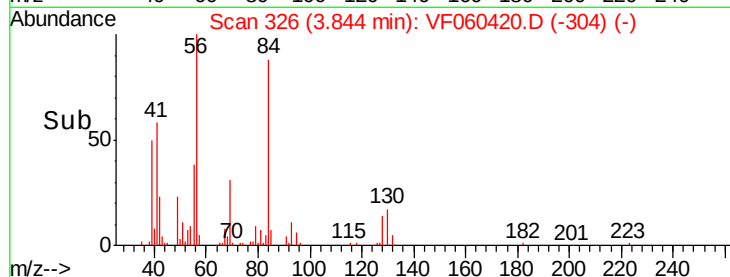
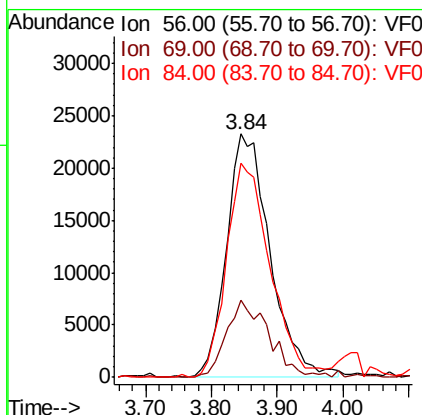
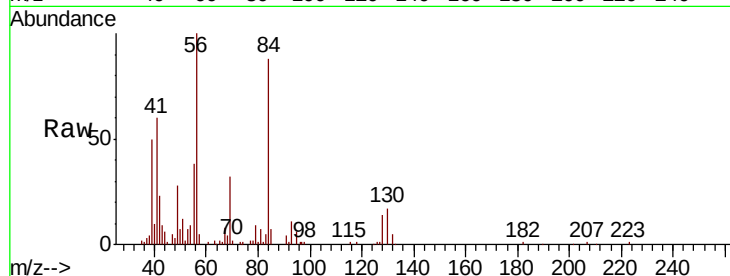
#31
Cyclohexane
Concen: 22.344 ug/l
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.5	38.3
84	87.9	67.4	101.0

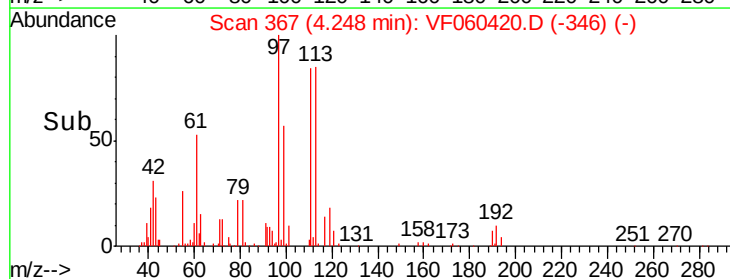
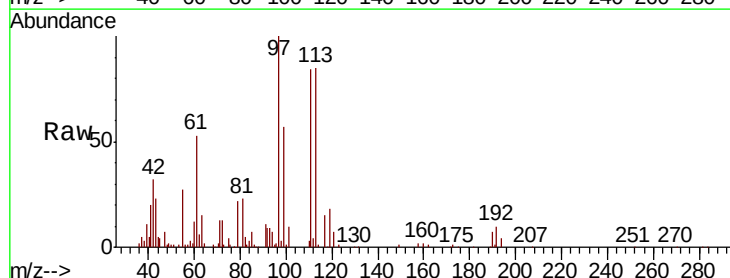
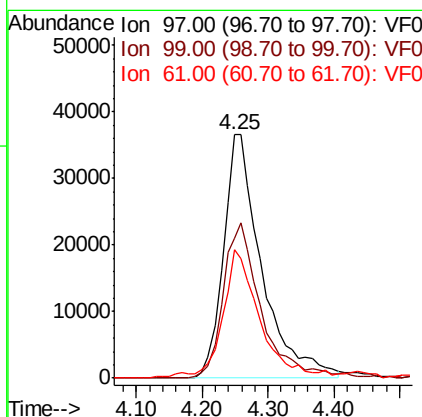
Manual Integrations
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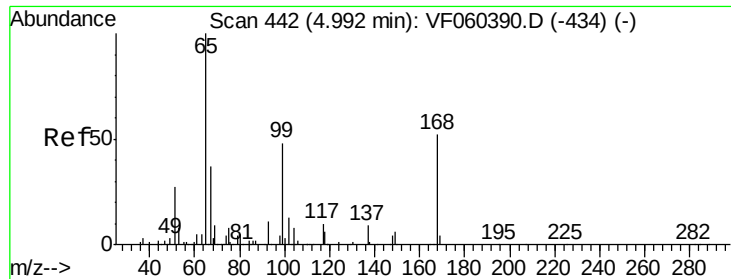
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#32
1,1,1-Trichloroethane
Concen: 21.416 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.2	51.0	76.4
61	52.7	37.5	56.3





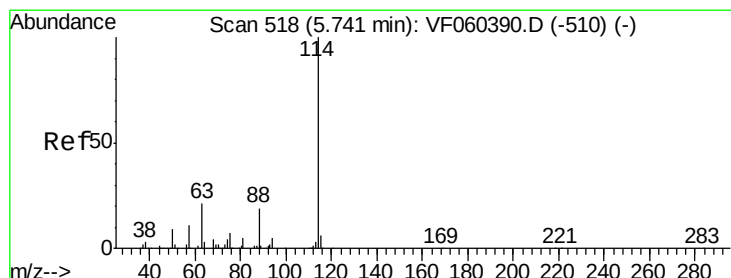
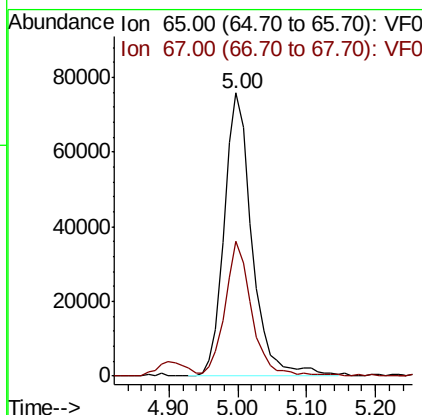
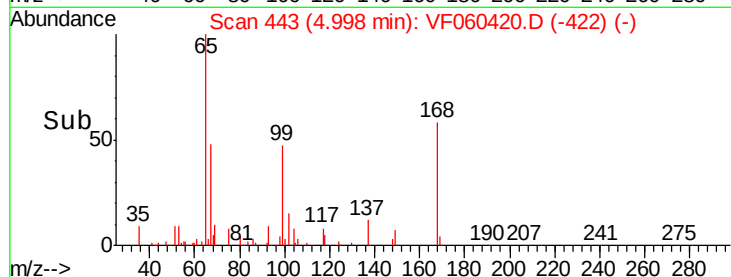
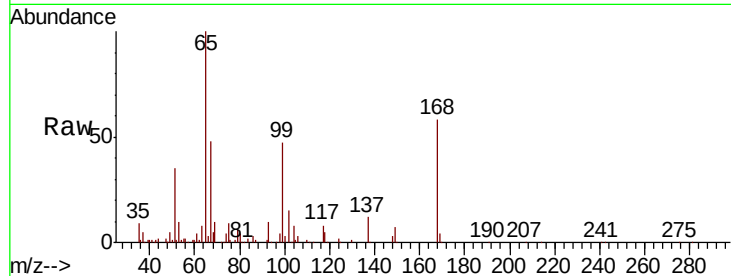
#33
 1,2-Dichloroethane-d4
 Concen: 47.589 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209905		
67	47.6	0.0	89.4	

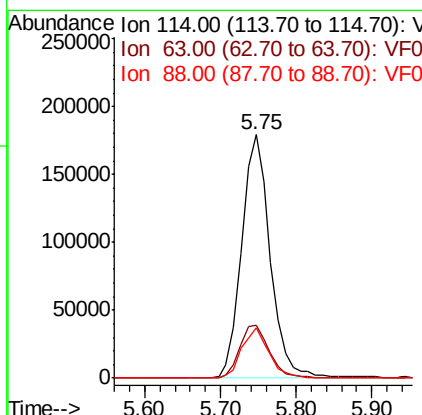
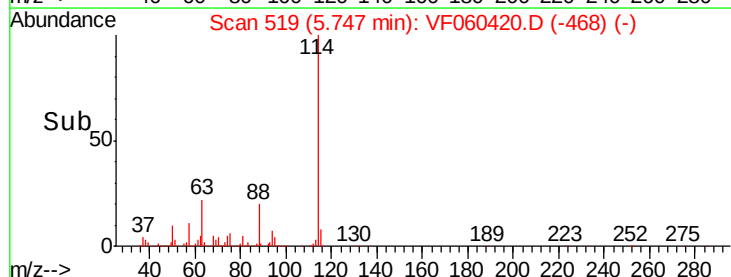
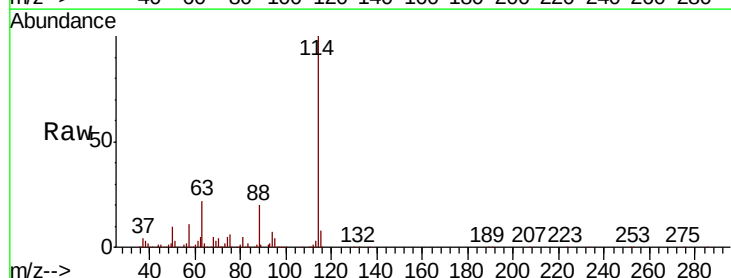
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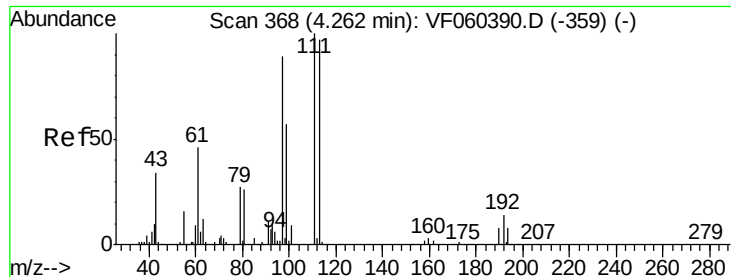
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	468832		
63	21.9	0.0	42.2	
88	20.4	0.0	38.8	





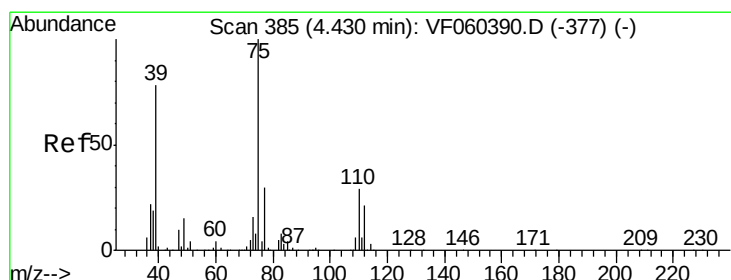
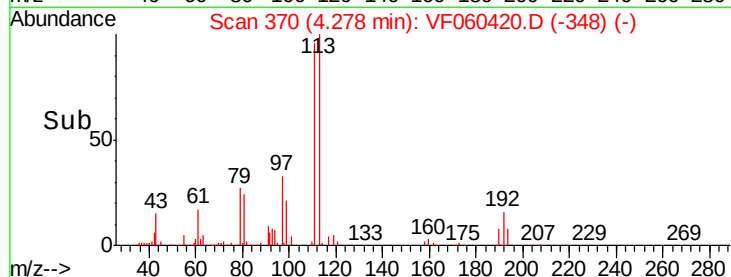
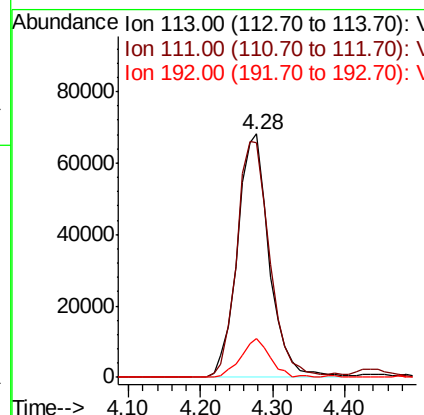
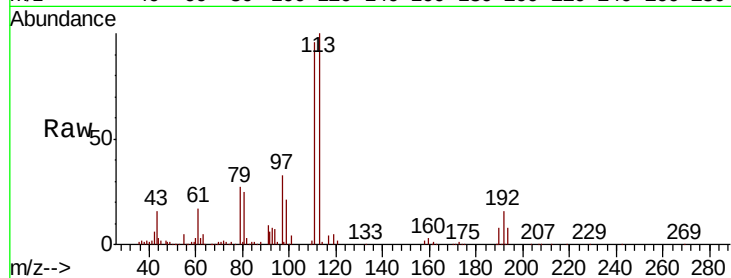
#35
 Dibromofluoromethane
 Concen: 47.701 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210092		
111	96.2	82.3	123.5	
192	15.9	11.8	17.6	

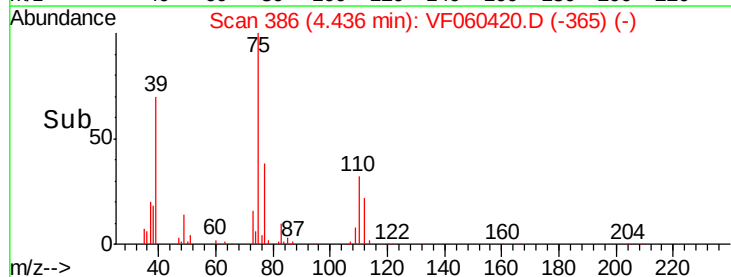
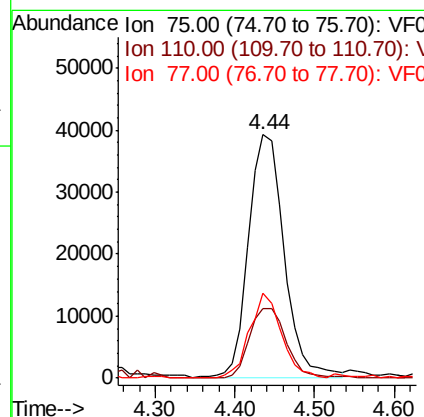
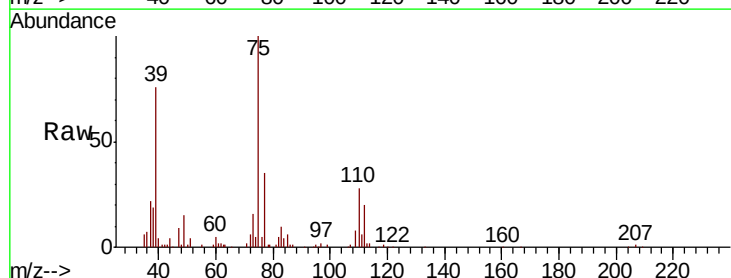
Manual Integrations
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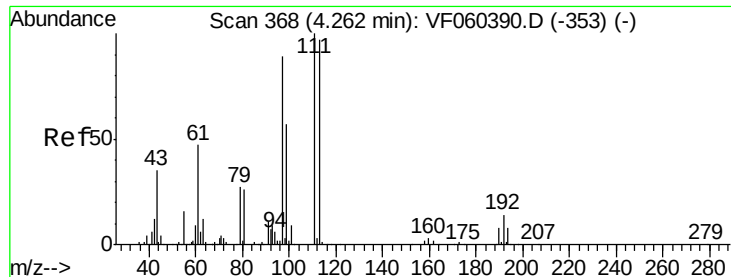
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#36
 1,1-Dichloropropene
 Concen: 20.785 ug/l
 RT: 4.44 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120146		
110	28.4	14.5	43.6	
77	34.6	24.3	36.5	





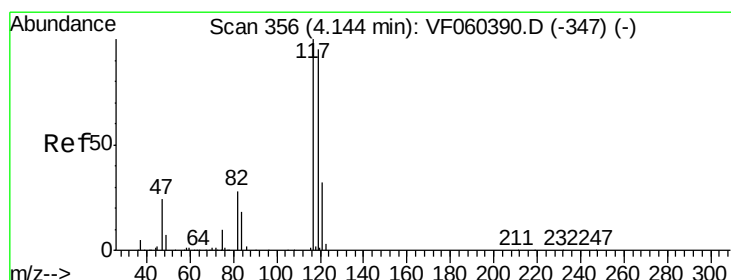
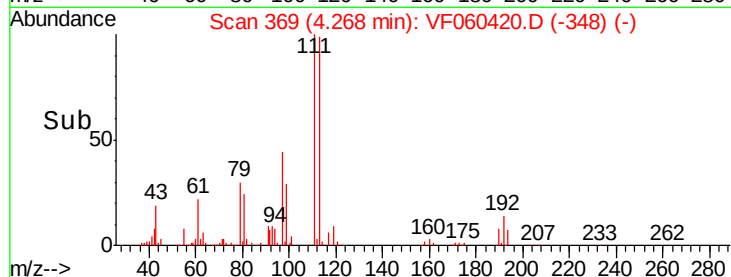
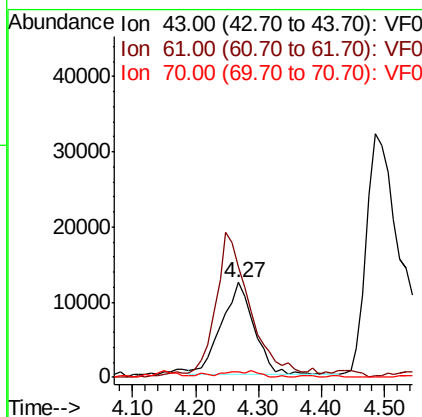
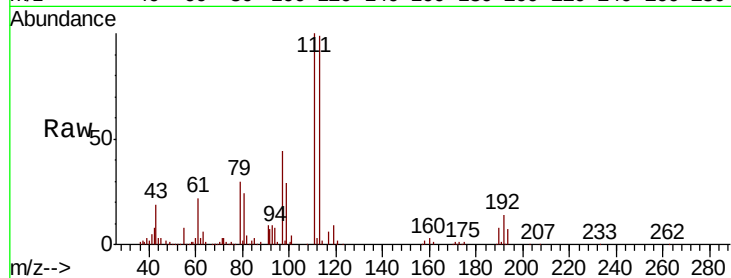
#37
Ethyl Acetate
Concen: 20.256 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	43	61	70
Resp	44838	116.5	6.3
Ratio	100	105.1	8.0
Lower		157.7	12.0
Upper			

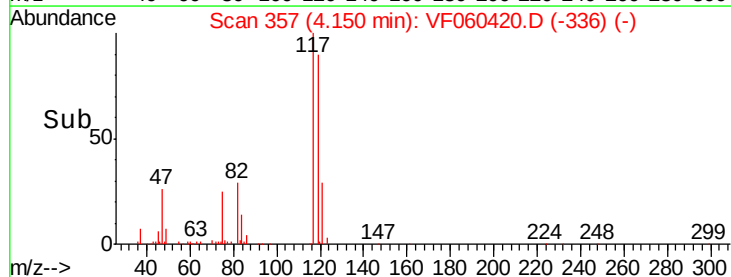
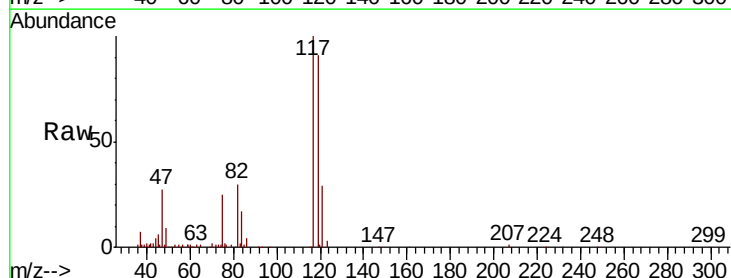
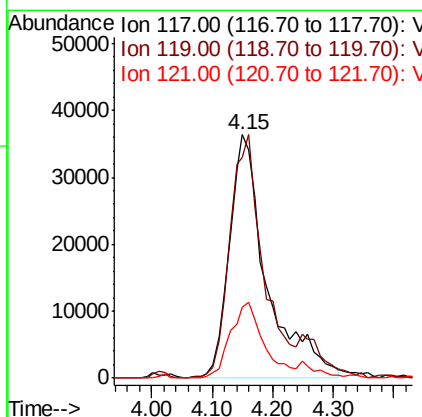
Manual Integrations
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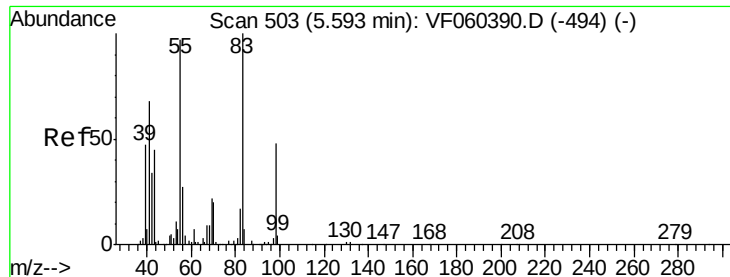
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#38
Carbon Tetrachloride
Concen: 22.368 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	117	119	121
Resp	157379	90.8	29.3
Ratio	100	75.5	25.4
Lower		113.3	38.0
Upper			





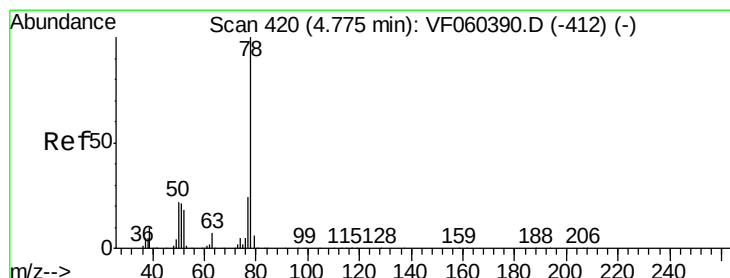
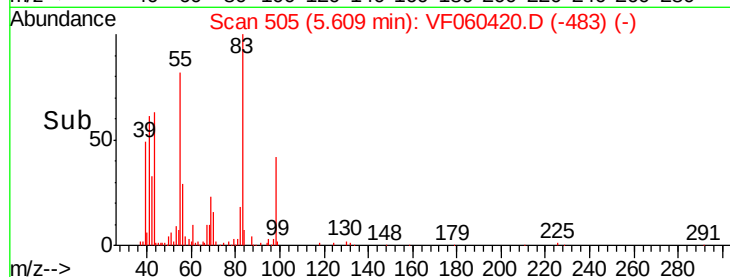
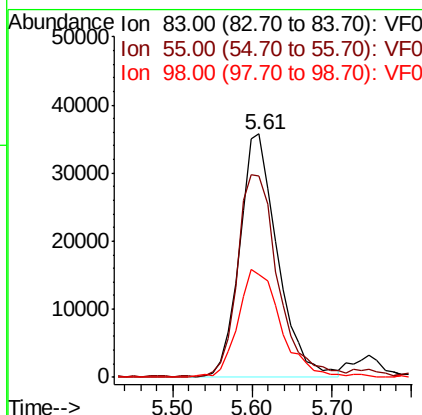
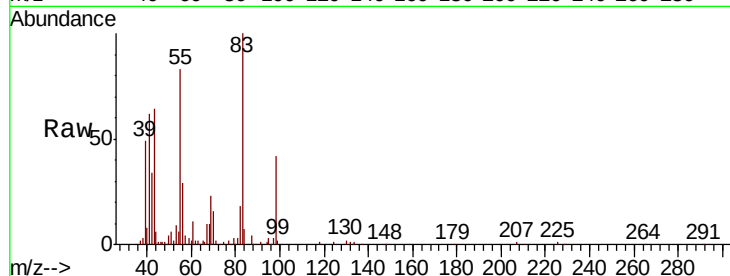
#39
Methylvlcyclohexane
Concen: 20.831 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	83	Resp	118044
Ion Ratio	Lower	Upper	
83	100		
55	82.7	77.5	116.3
98	42.0	38.7	58.1

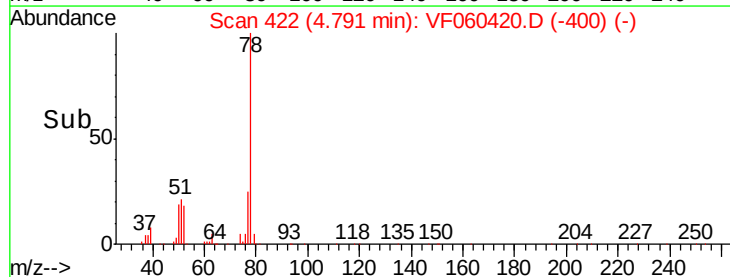
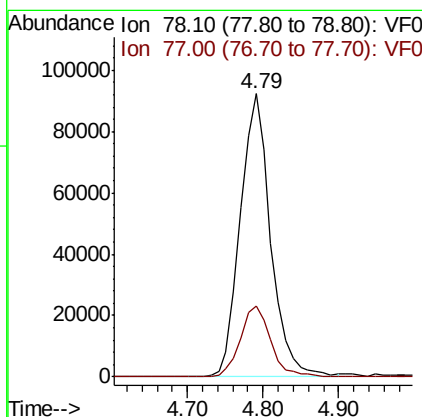
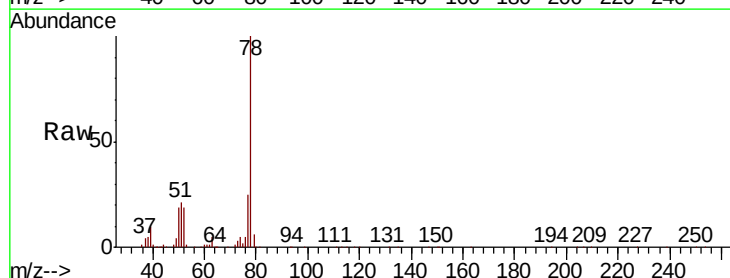
Manual Integrations
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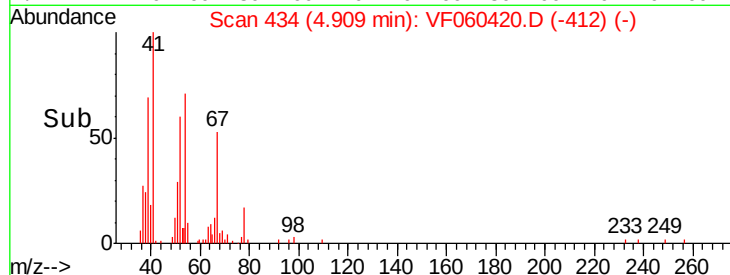
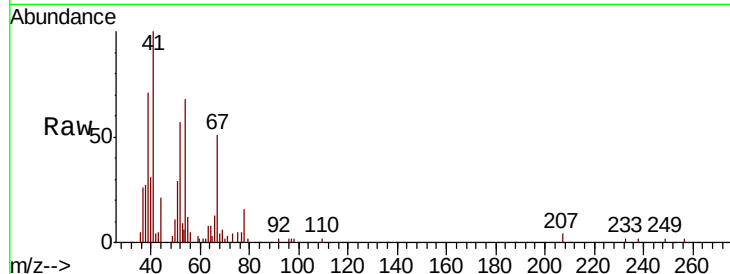
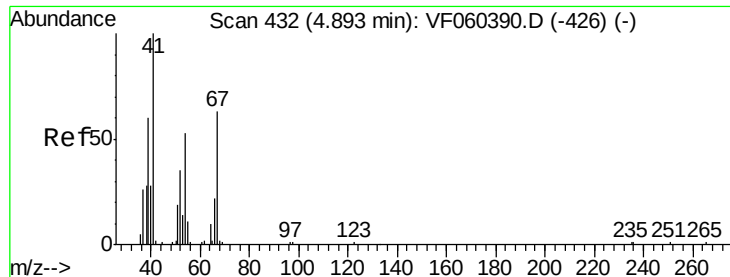
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#40
Benzene
Concen: 22.406 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	78	Resp	257106
Ion Ratio	Lower	Upper	
78	100		
77	25.0	19.2	28.8





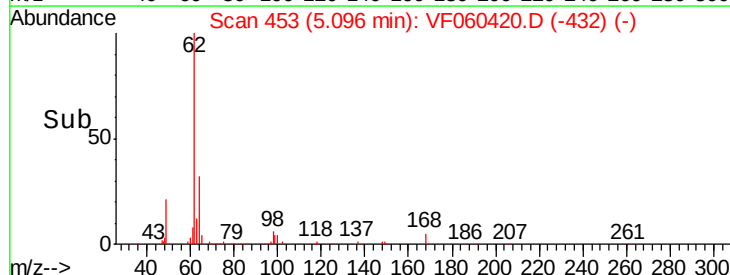
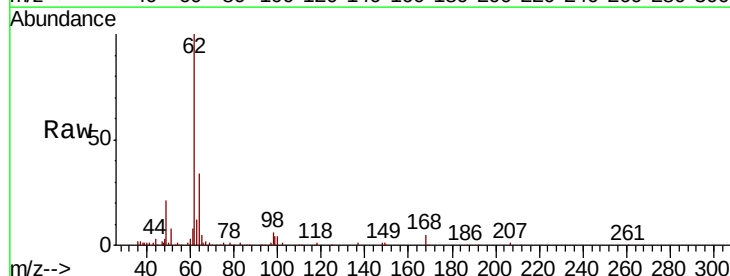
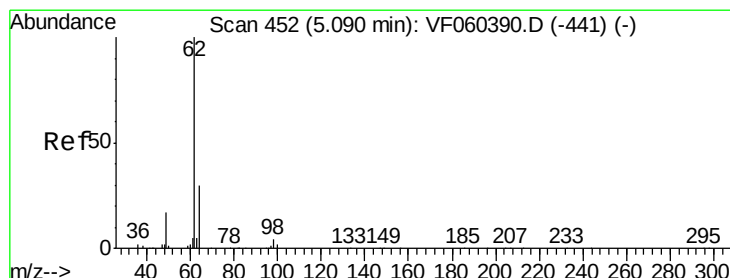
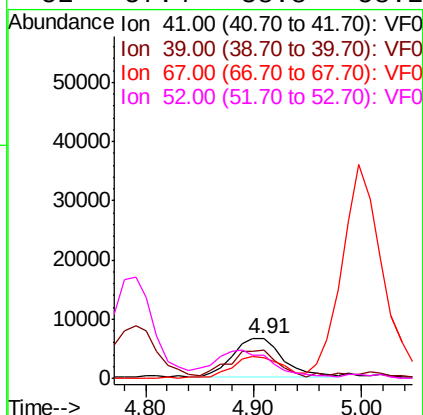
#41
Methacrylonitrile
Concen: 17.829 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.0	55.0	82.4
67	51.0	49.6	74.4
52	57.4	38.8	58.2

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

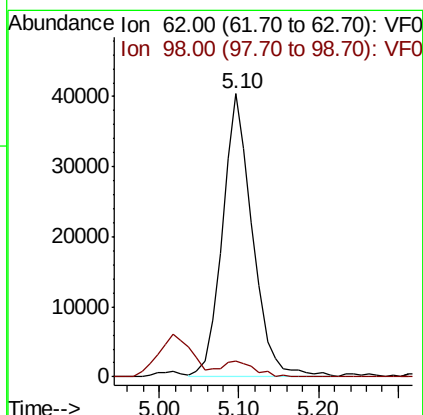
Manual Integrations
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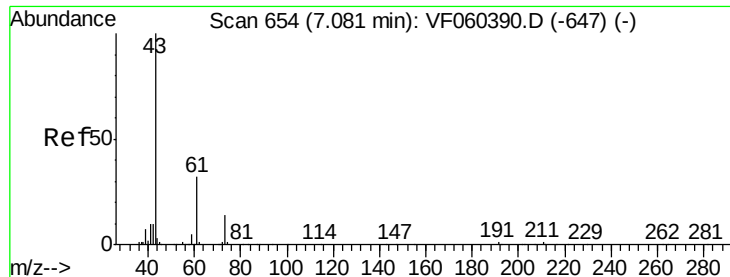
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#42
1,2-Dichloroethane
Concen: 19.520 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	11.2





#43

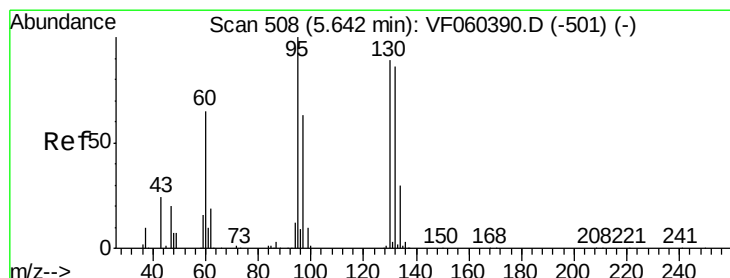
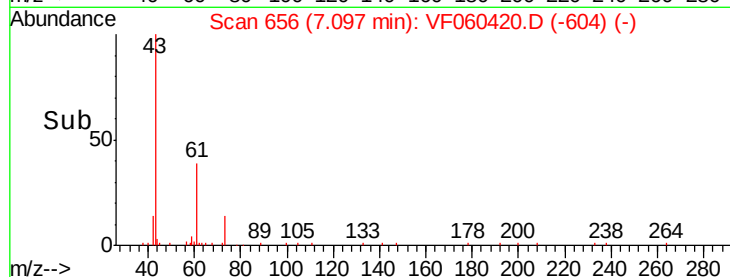
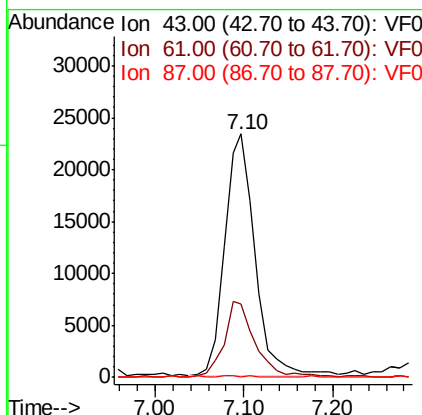
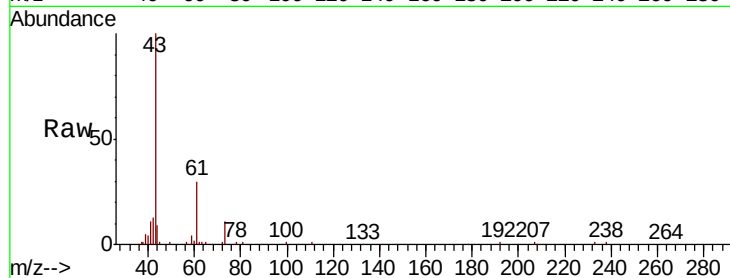
Isopropyl Acetate
 Concen: 20.500 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	25.4	38.2
87	0.0	0.3	0.5

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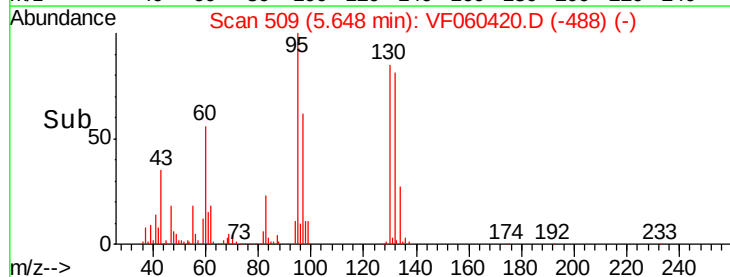
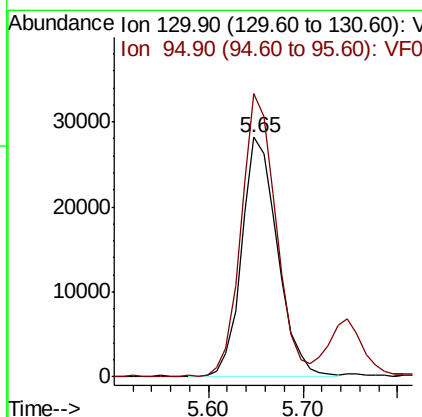
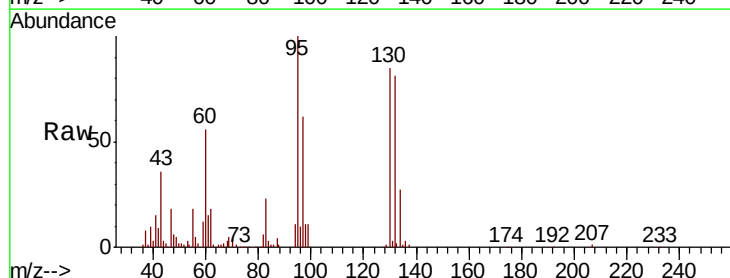
apatel
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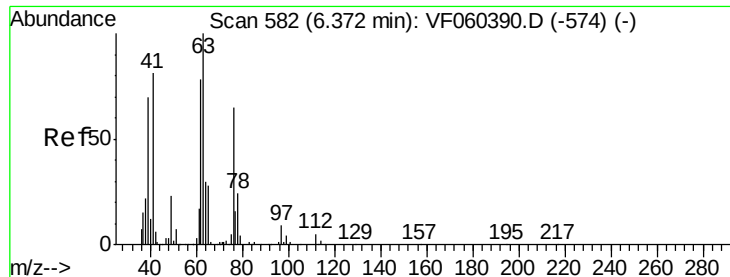


#44

Trichloroethene
 Concen: 20.179 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.1	0.0	224.4





#45

1,2-Dichloropropane

Concen: 21.099 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion: 63 Resp: 64477

Ion Ratio Lower Upper

63 100

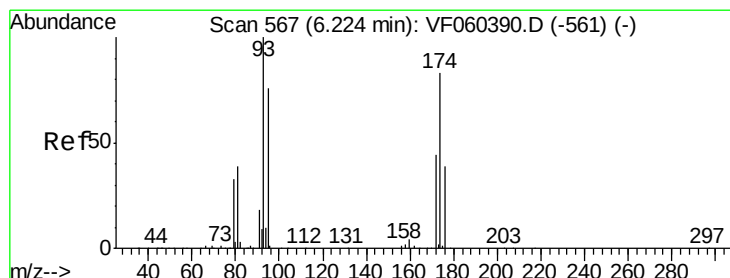
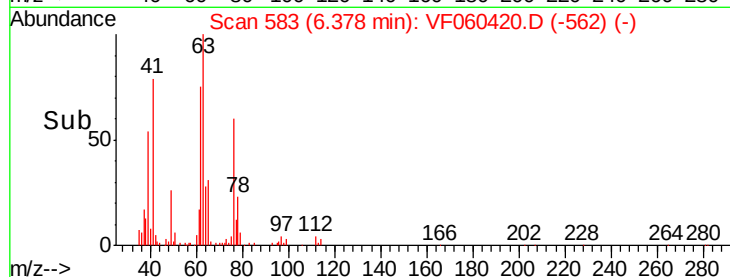
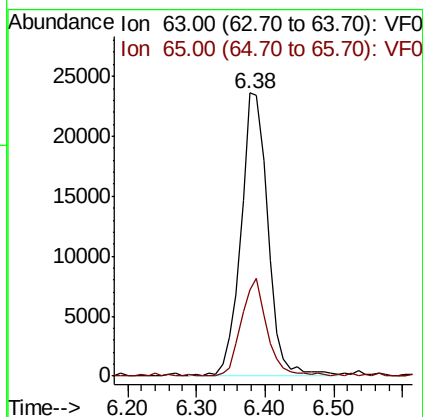
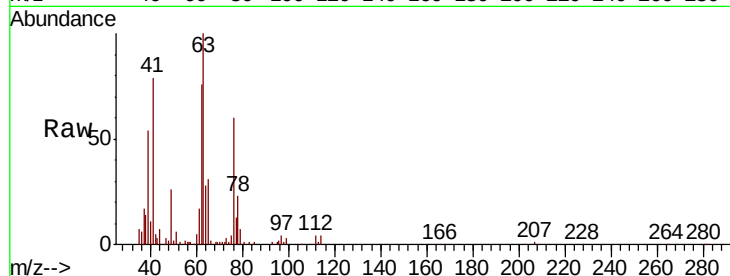
65 30.6 22.7 34.1

Manual Integrations

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#46

Dibromomethane

Concen: 18.876 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

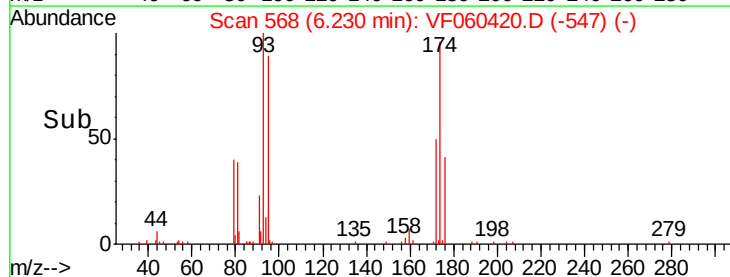
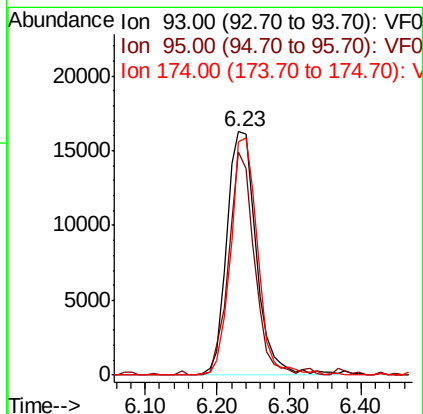
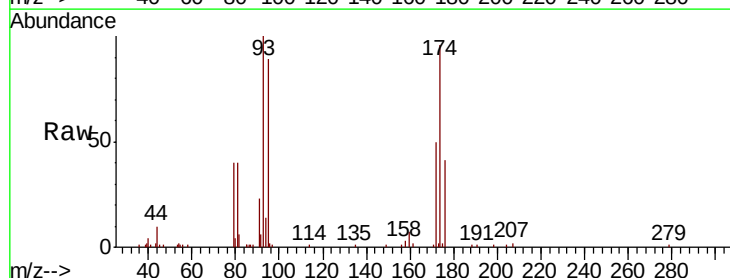
Tgt Ion: 93 Resp: 46379

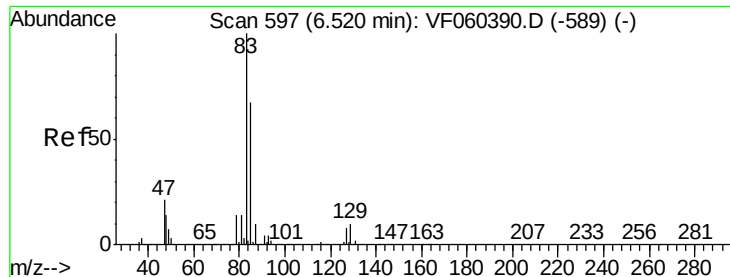
Ion Ratio Lower Upper

93 100

95 91.7 61.1 91.7

174 97.2 66.7 100.1





#47

Bromodichloromethane

Concen: 19.273 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

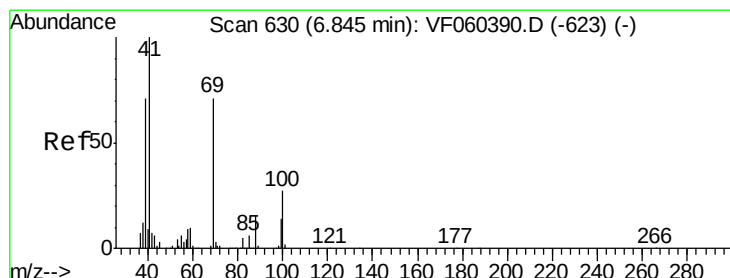
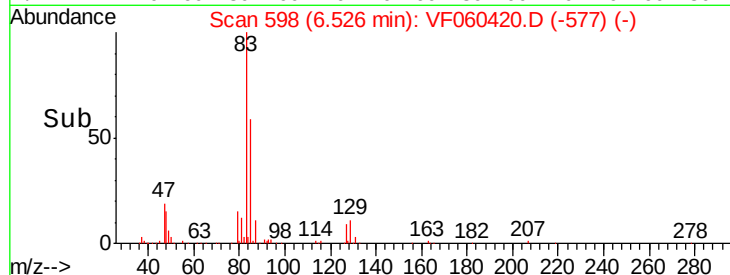
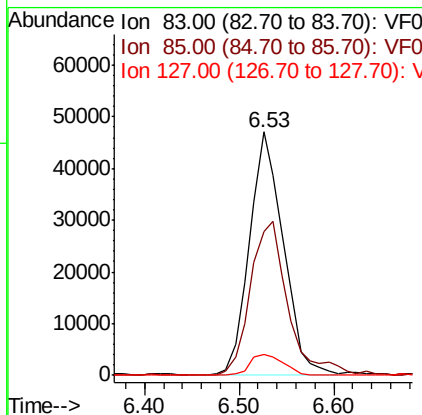
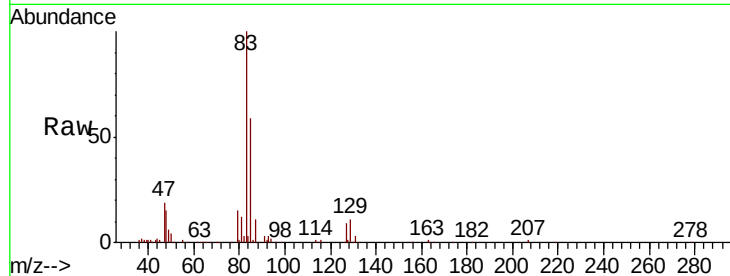
ClientSampleId :

VF1003SBSD01

Tot Ion:	83	Resp:	117275
Ion Ratio	Lower	Upper	
83	100		
85	59.1	53.2	79.8
127	9.9	6.6	9.8#

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.497 ug/l

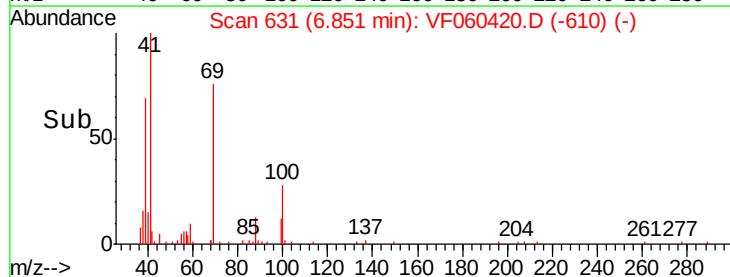
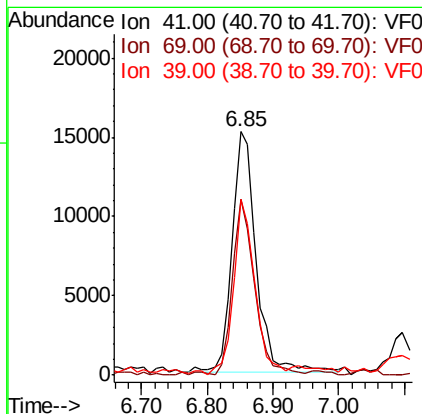
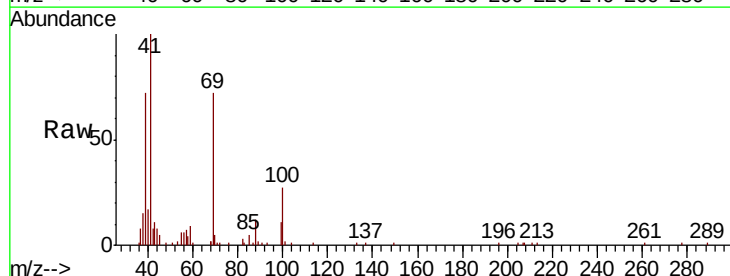
RT: 6.85 min Scan# 631

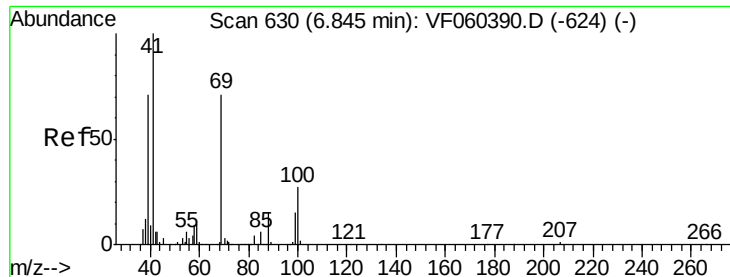
Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion:	41	Resp:	39359
Ion Ratio	Lower	Upper	
41	100		
69	72.1	56.3	84.5
39	71.9	56.9	85.3





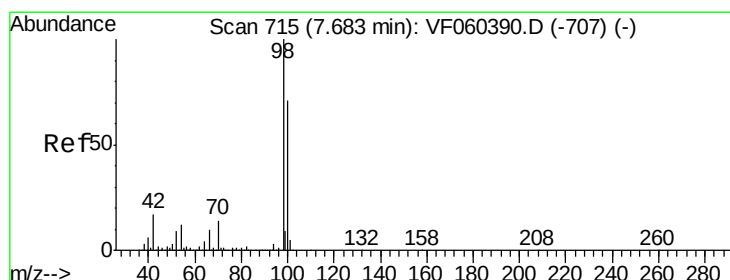
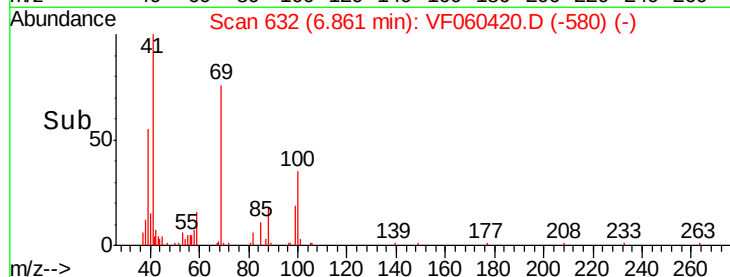
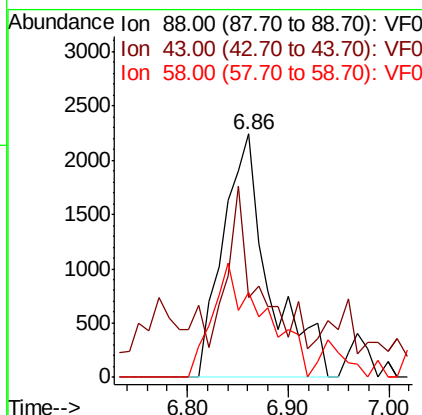
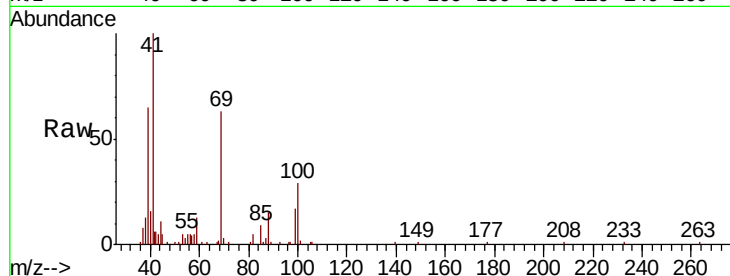
#49
1,4-Dioxane
Concen: 429.685 ug/l
RT: 6.86 min Scan# 632
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	38.3	57.5#
58	34.7	47.4	71.2#

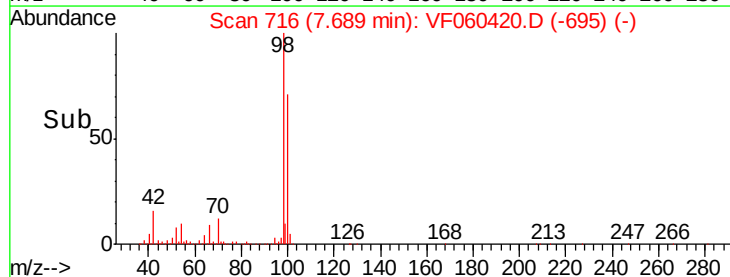
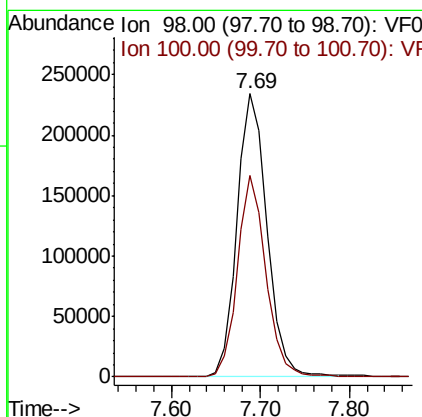
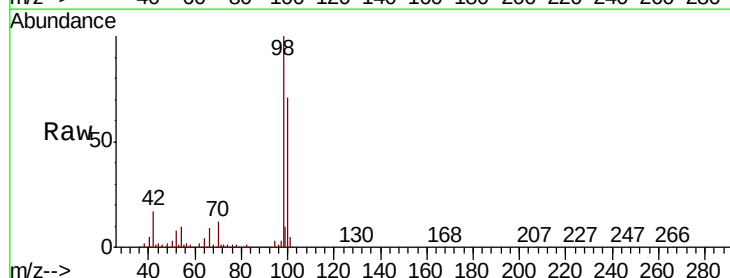
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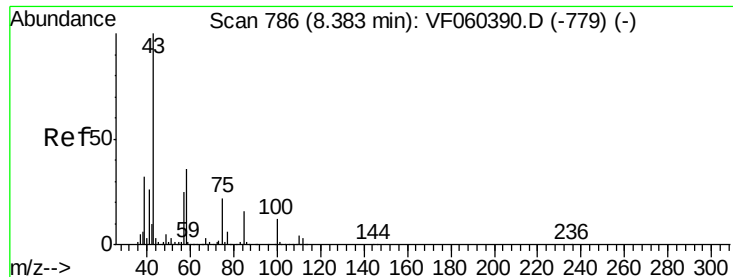
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#50
Toluene-d8
Concen: 50.509 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.2	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 104.456 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 43 Resp: 198902

Ion Ratio Lower Upper

43 100

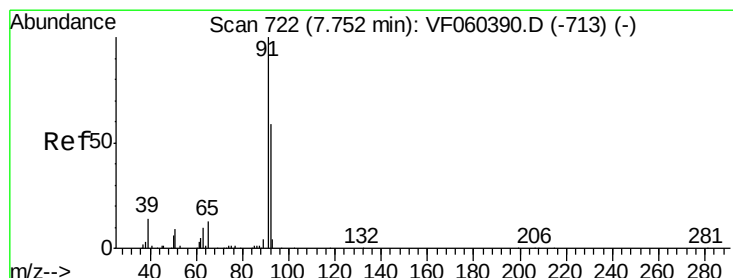
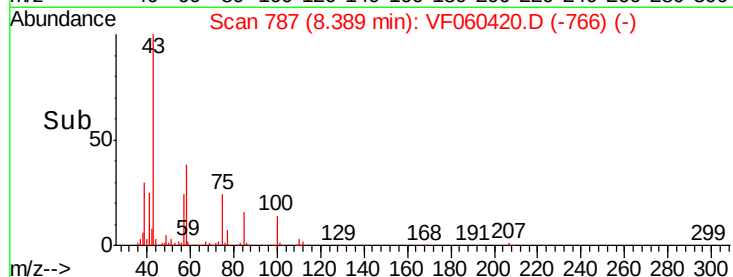
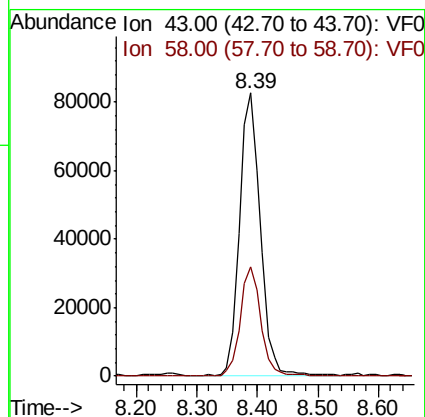
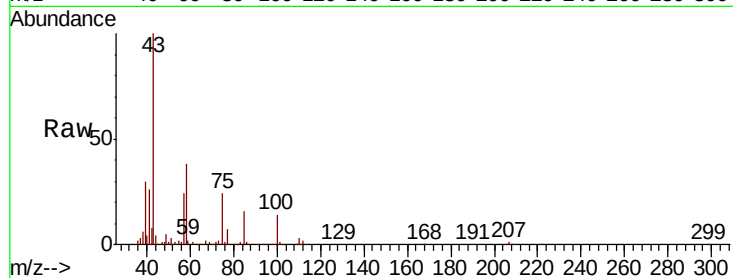
58 38.4 28.5 42.7

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#52

Toluene

Concen: 20.821 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060420.D

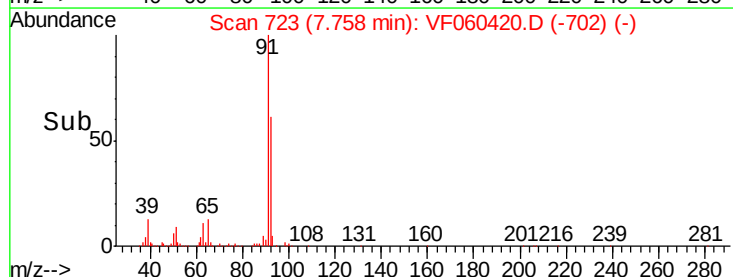
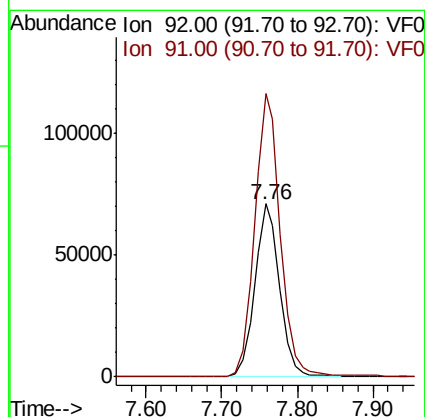
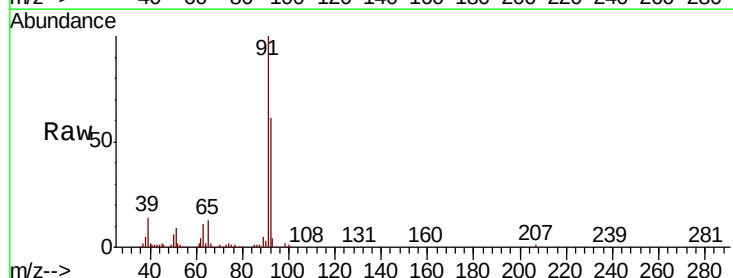
Acq: 3 Oct 2018 17:50

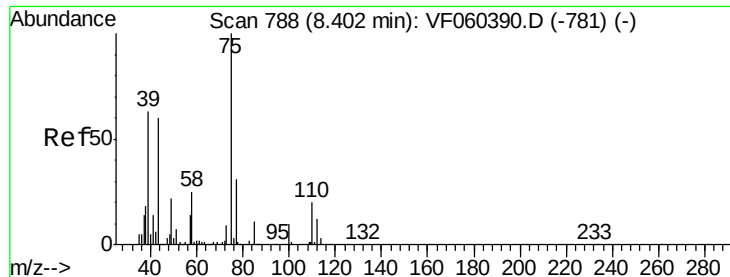
Tgt Ion: 92 Resp: 162282

Ion Ratio Lower Upper

92 100

91 163.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.108 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion: 75 Resp: 95891

Ion Ratio Lower Upper

75 100

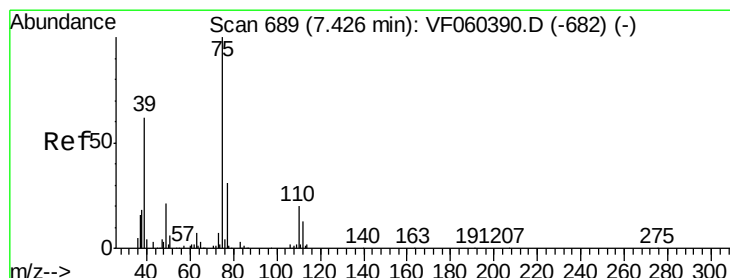
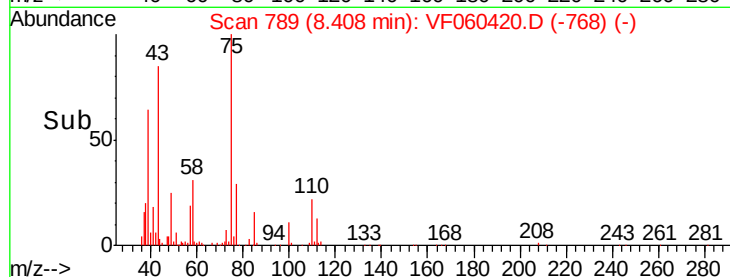
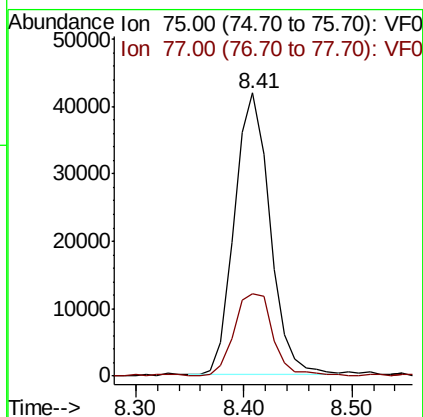
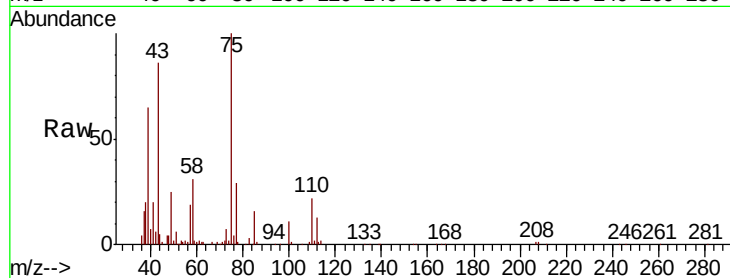
77 29.3 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 20.798 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

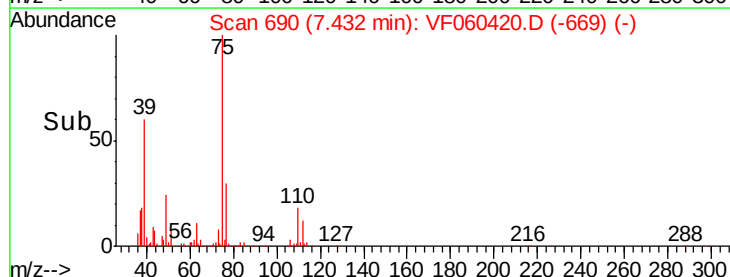
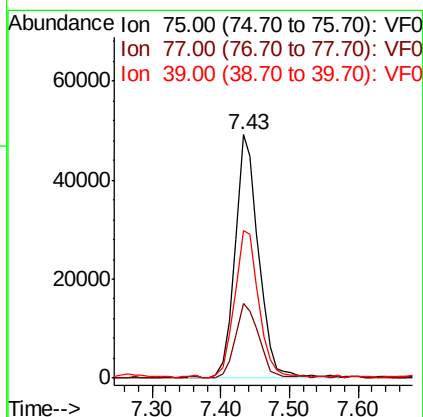
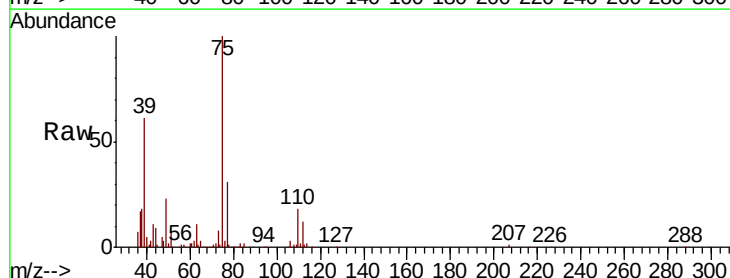
Tgt Ion: 75 Resp: 115915

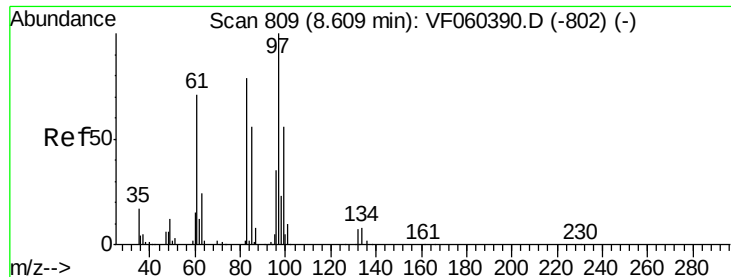
Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8

39 60.8 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 18.987 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

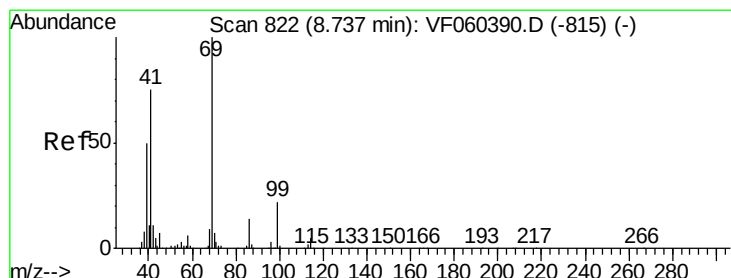
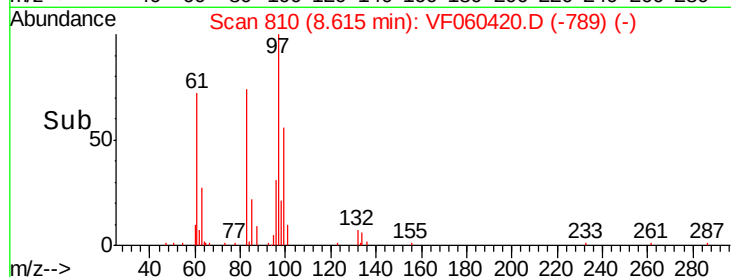
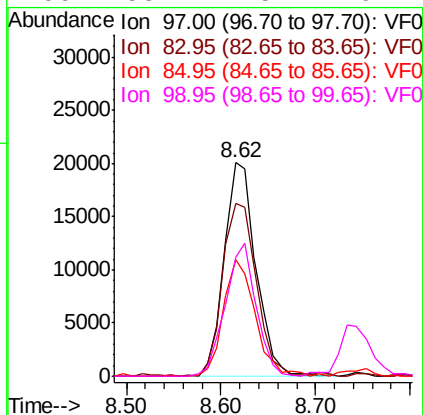
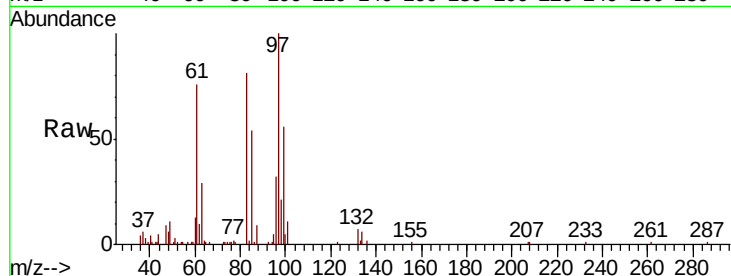
ClientSampleId :

VF1003SBSD01

Tot Ion:	97	Resp:	46908
Ion	Ratio	Lower	Upper
97	100		
83	80.8	63.4	95.0
85	54.3	44.5	66.7
99	55.7	45.1	67.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.324 ug/l

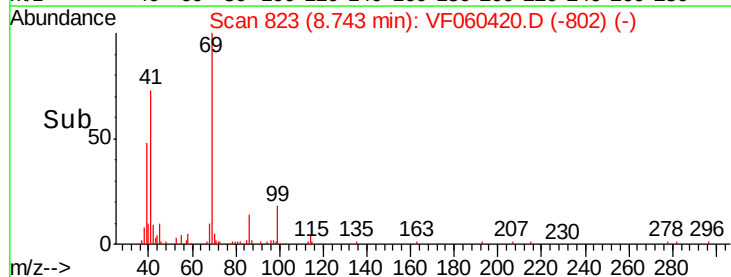
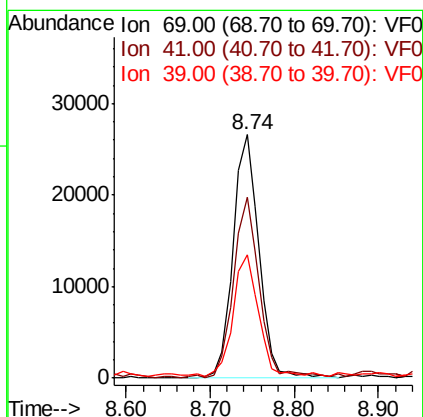
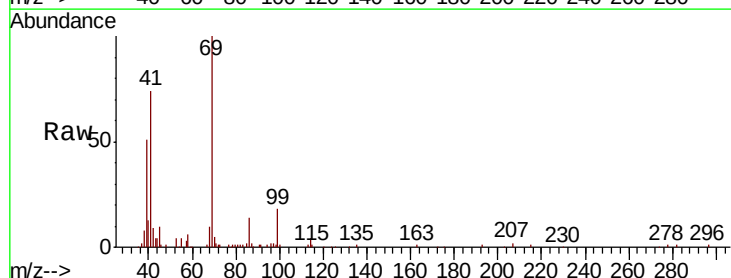
RT: 8.74 min Scan# 823

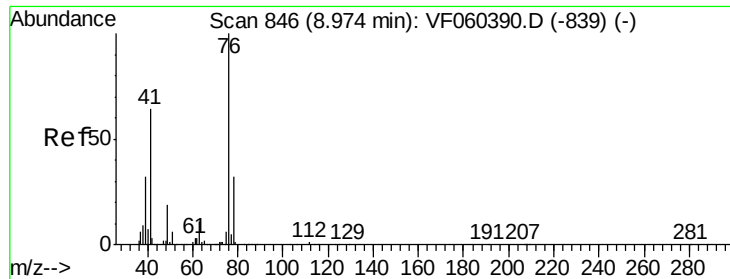
Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion:	69	Resp:	57056
Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.2	90.4
39	50.5	40.2	60.2





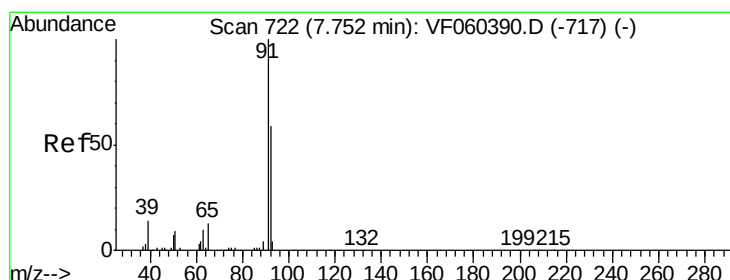
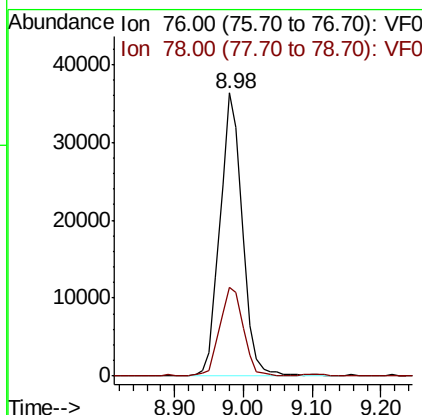
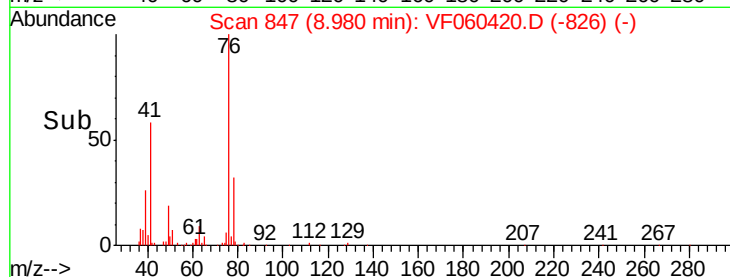
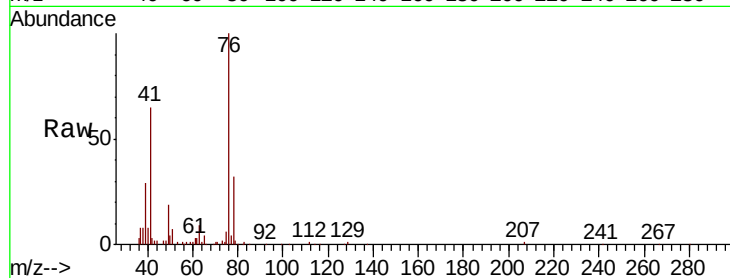
#57
 1,3-Dichloropropane
 Concen: 19.646 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

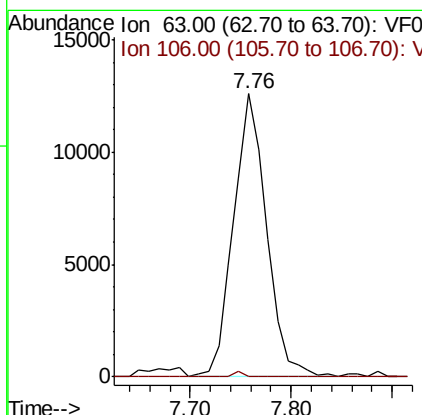
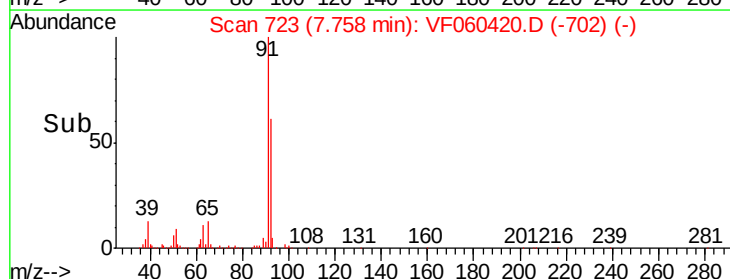
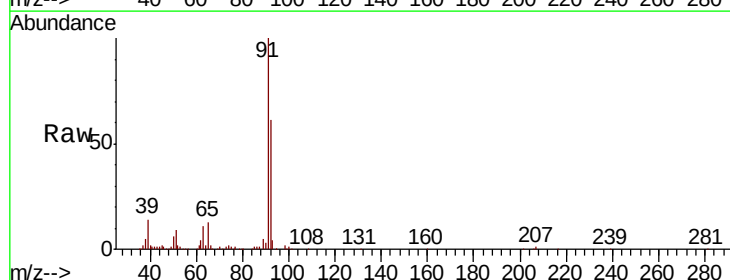
Manual Integrations
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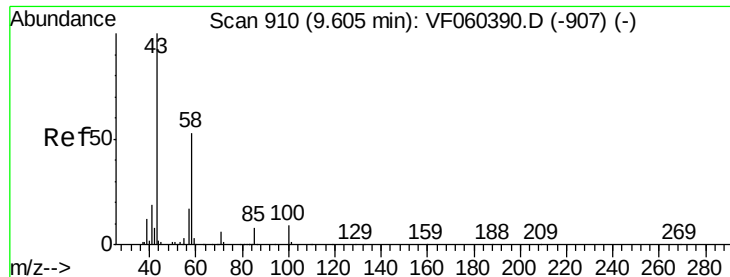
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.306 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





#59

2-Hexanone

Concen: 112.446 ug/l

RT: 9.61 min Scan# 911

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 43 Resp: 157051

Ion Ratio Lower Upper

43 100

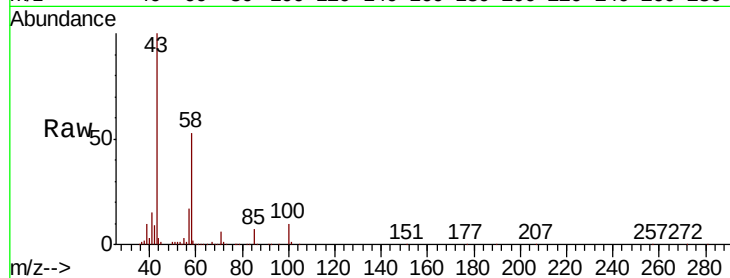
58 52.8 25.6 76.6

Manual Integrations

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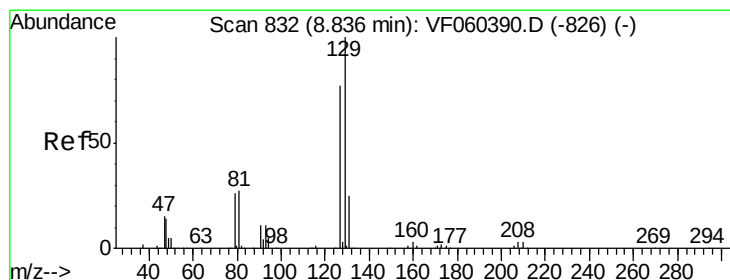
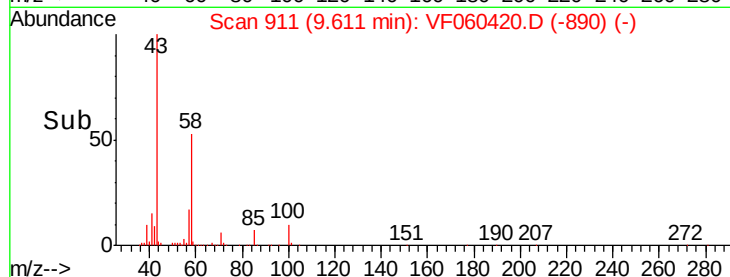
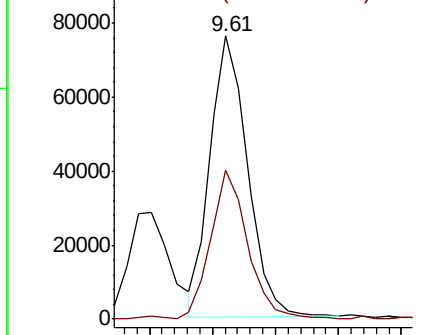
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 18.491 ug/l

RT: 8.84 min Scan# 833

Delta R.T. 0.01 min

Lab File: VF060420.D

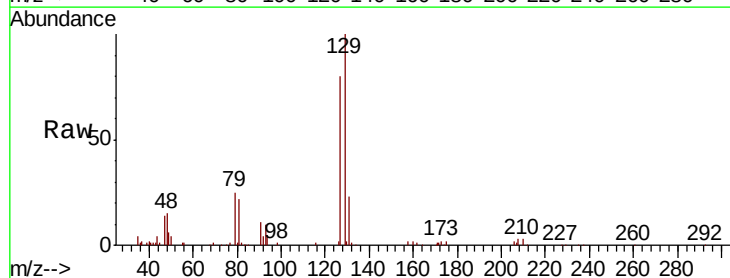
Acq: 3 Oct 2018 17:50

Tgt Ion: 129 Resp: 68783

Ion Ratio Lower Upper

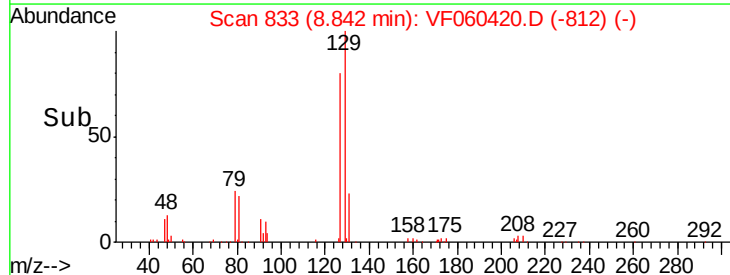
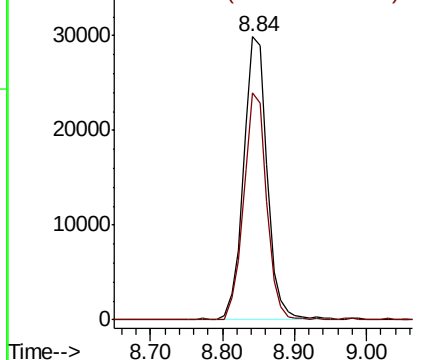
129 100

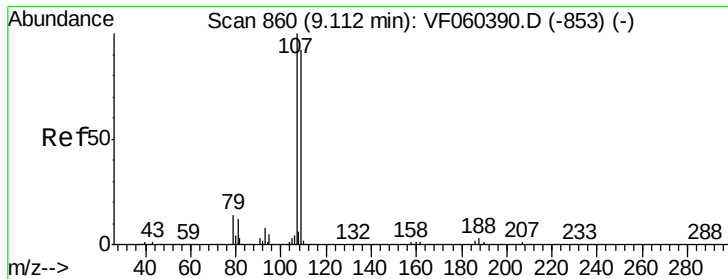
127 80.4 38.3 114.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 19.281 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 107 Resp: 52122

Ion Ratio Lower Upper

107 100

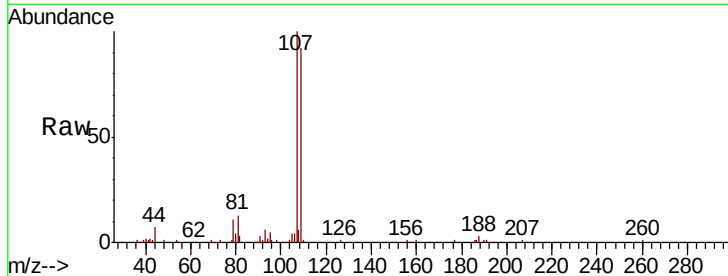
109 92.2 73.7 110.5

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

25000

20000

15000

10000

5000

0

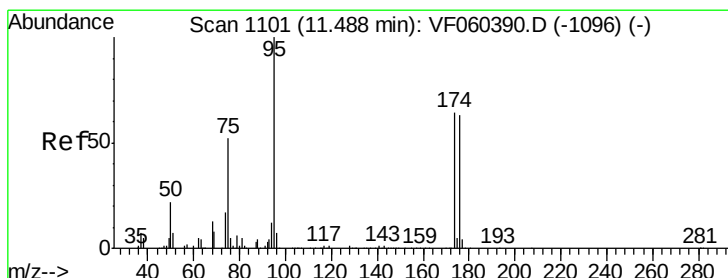
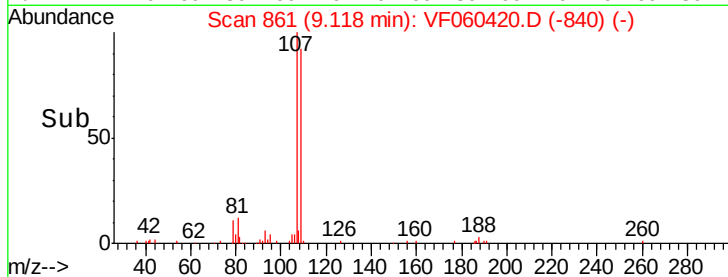
9.12

9.10

9.20

9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 45.562 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

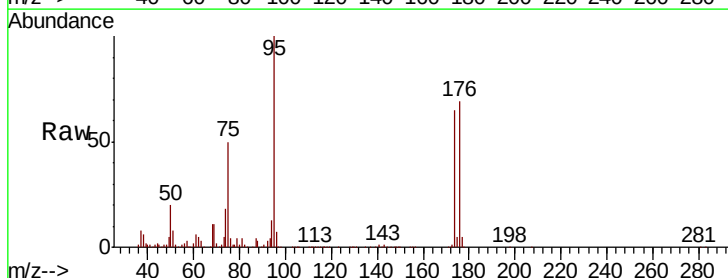
Tgt Ion: 95 Resp: 225656

Ion Ratio Lower Upper

95 100

174 64.6 0.0 129.0

176 68.6 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

100000

50000

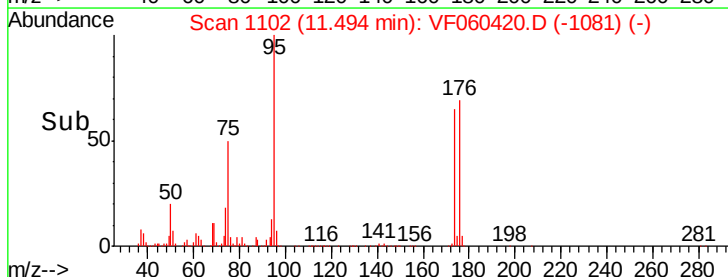
0

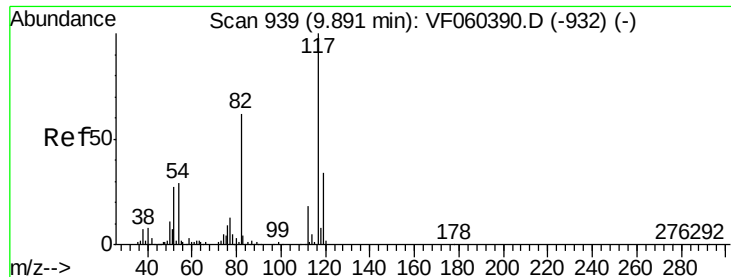
11.49

11.40

11.60

Time-->





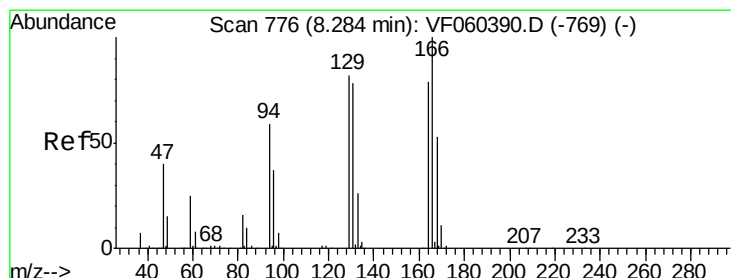
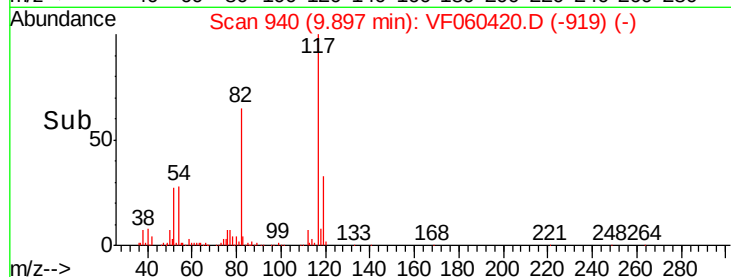
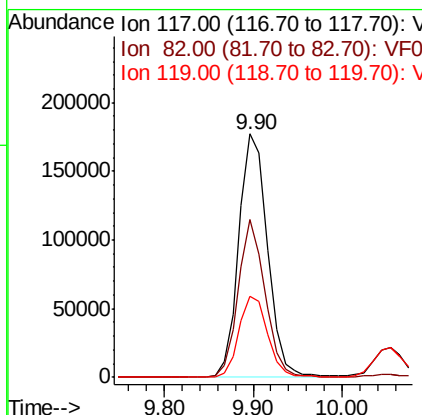
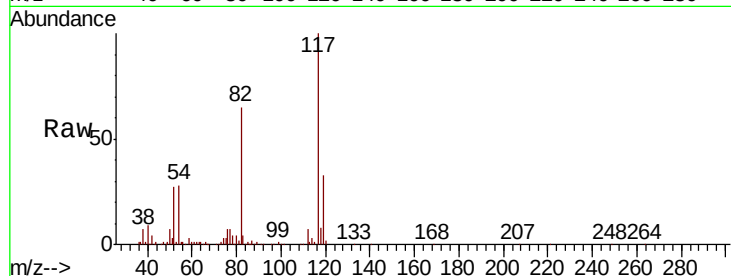
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	398620		
82	64.8	49.5	74.3	
119	33.0	27.0	40.6	

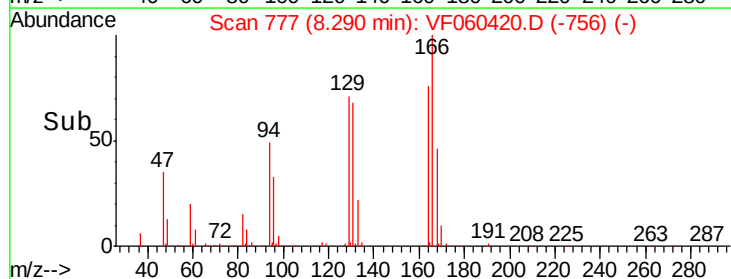
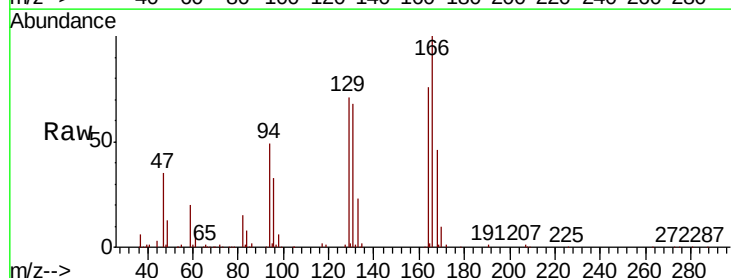
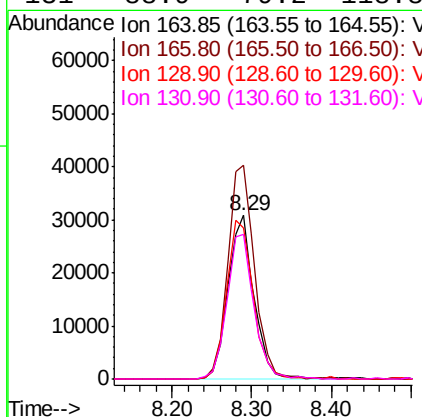
Manual Integrations
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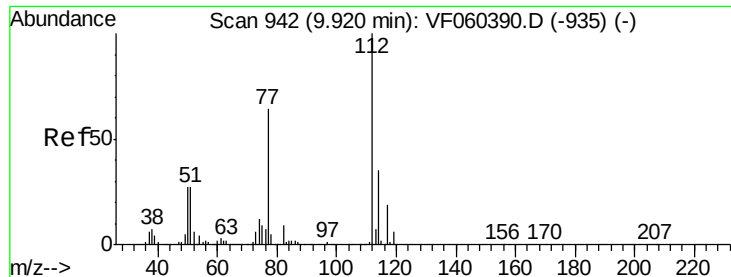
apatel
10/4/2018 2:05:17 PM



#64
Tetrachloroethene
Concen: 22.285 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70618		
166	130.8	101.0	151.6	
129	92.9	82.5	123.7	
131	88.9	79.2	118.8	





#65

Chlorobenzene

Concen: 21.464 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion:112 Resp: 175756

Ion Ratio Lower Upper

112 100

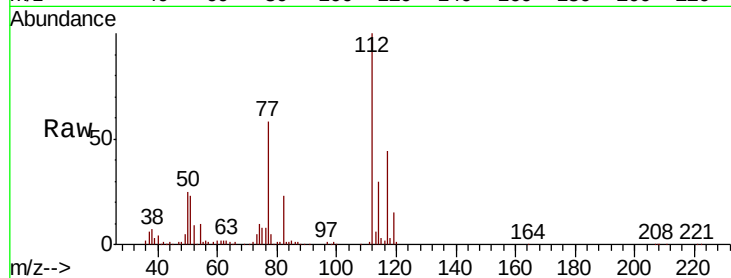
114 30.1 27.7 41.5

Manual Integrations

APPROVED

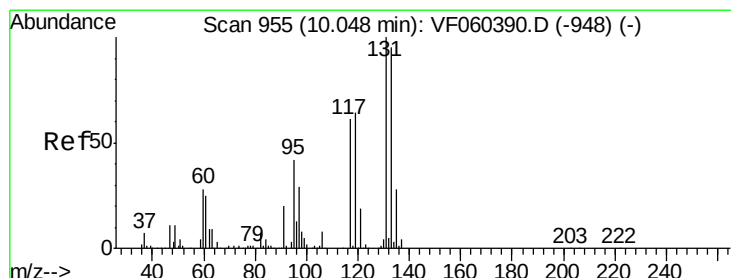
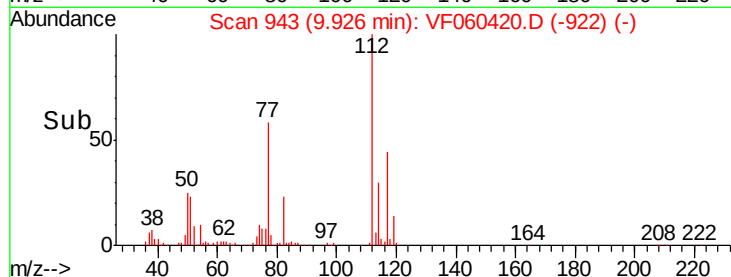
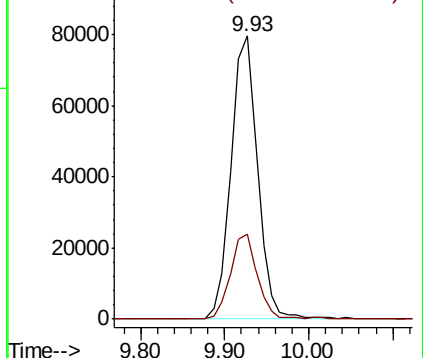
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.890 ug/l

RT: 10.05 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

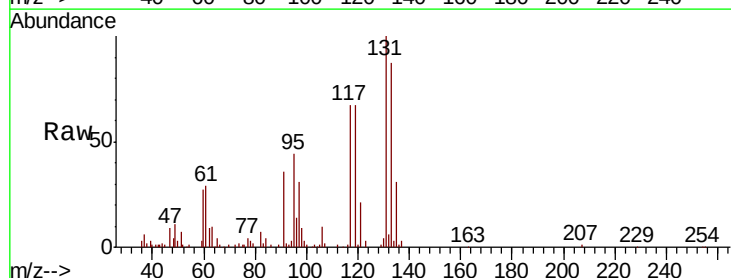
Tgt Ion:131 Resp: 74690

Ion Ratio Lower Upper

131 100

133 86.6 47.3 141.8

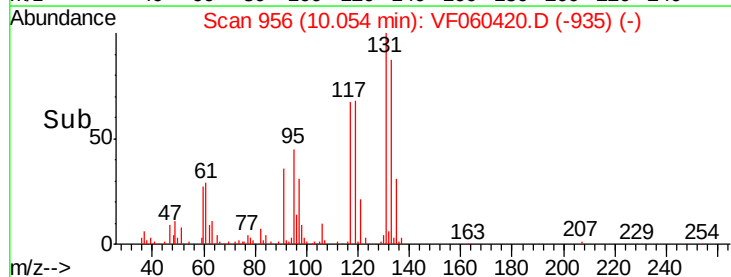
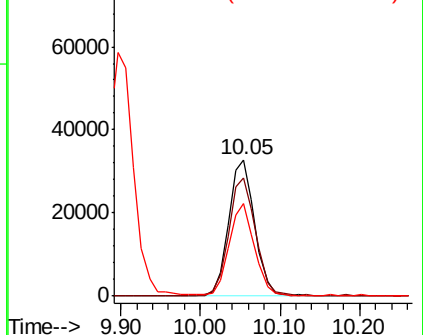
119 67.4 32.3 96.9

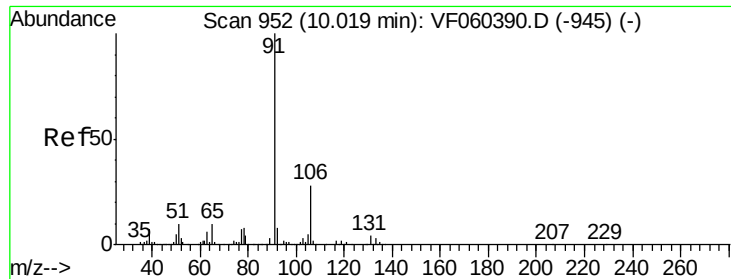


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.871 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 91 Resp: 340514

Ion Ratio Lower Upper

91 100

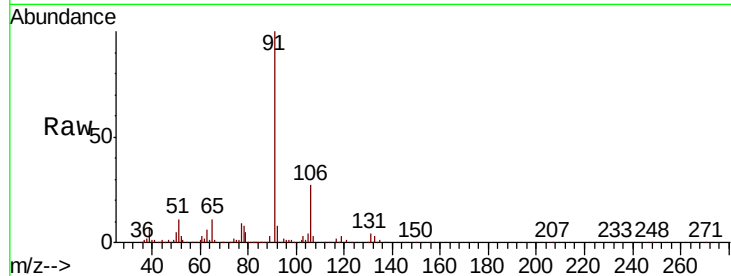
106 27.5 22.5 33.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

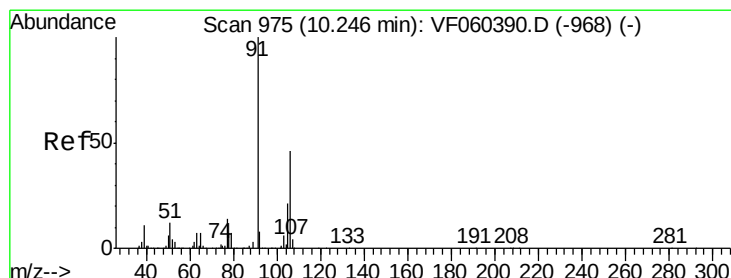
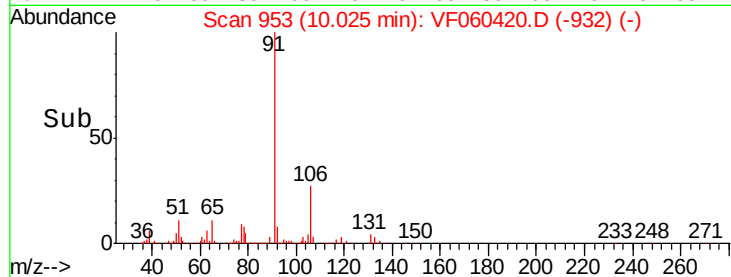
100000

50000

0

9.90 10.00 10.10 10.20

Time-->



#68

m/p-Xylenes

Concen: 43.975 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.01 min

Lab File: VF060420.D

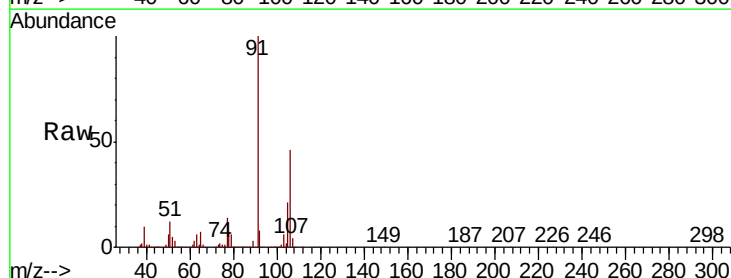
Acq: 3 Oct 2018 17:50

Tgt Ion: 106 Resp: 235364

Ion Ratio Lower Upper

106 100

91 216.4 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

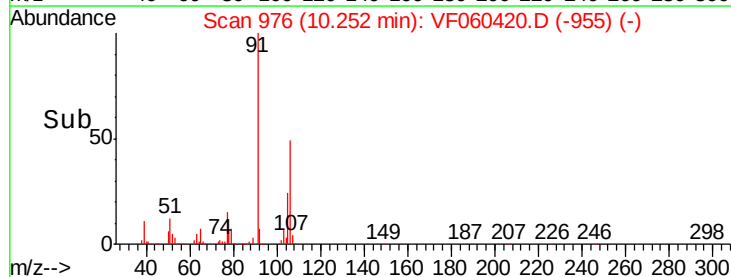
100000

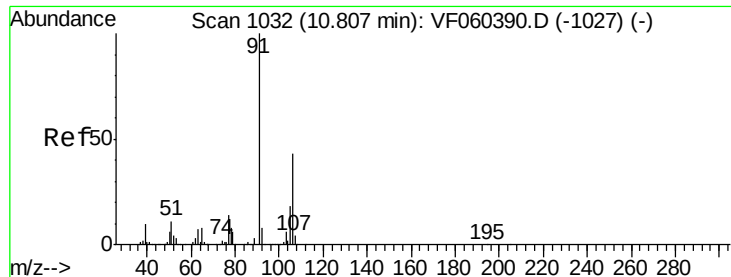
50000

0

10.20 10.40

Time-->





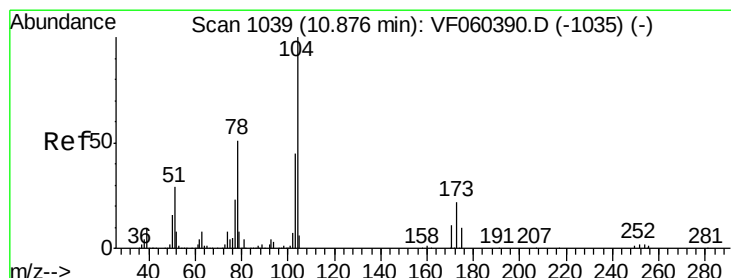
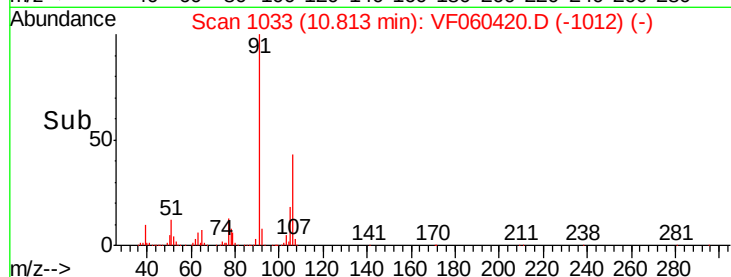
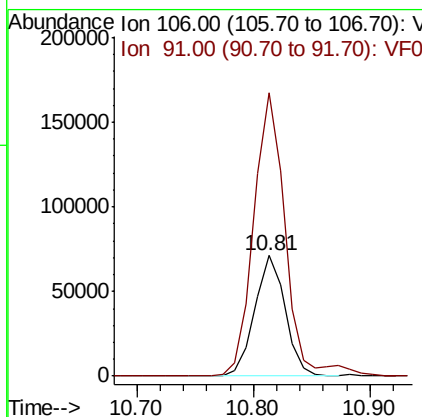
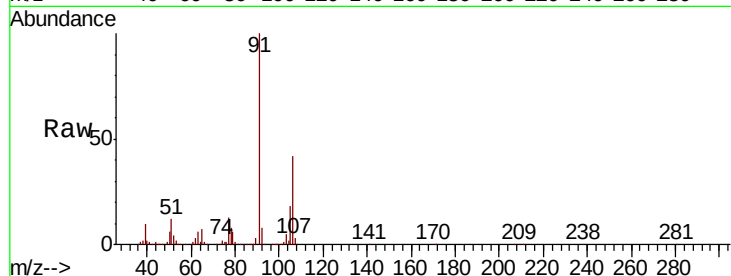
#69
o-Xylene
Concen: 22.237 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	235.4	115.1	345.2

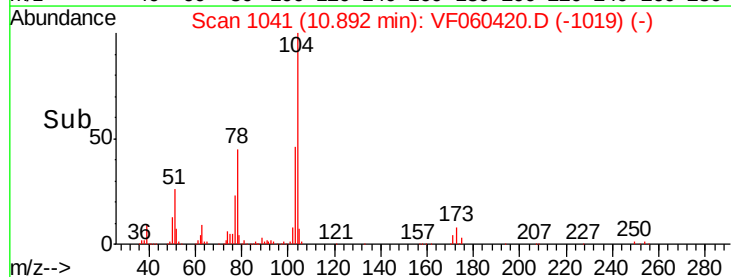
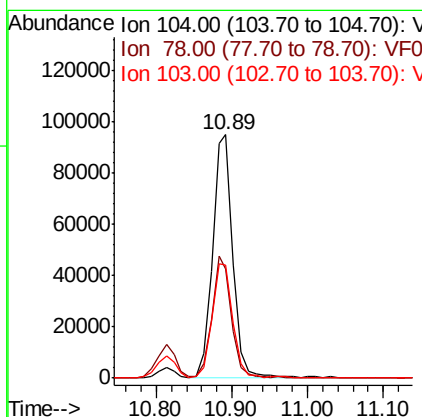
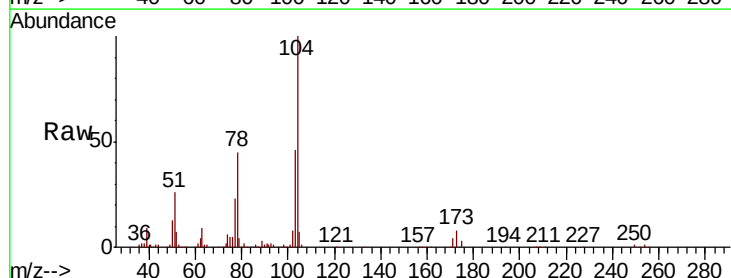
Manual Integrations
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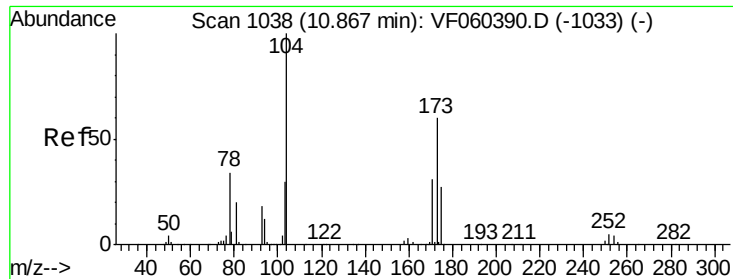
apatel
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#70
Styrene
Concen: 21.322 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.02 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.6	41.0	61.4
103	46.4	36.4	54.6





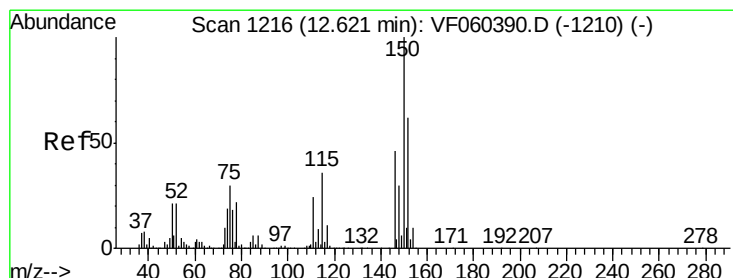
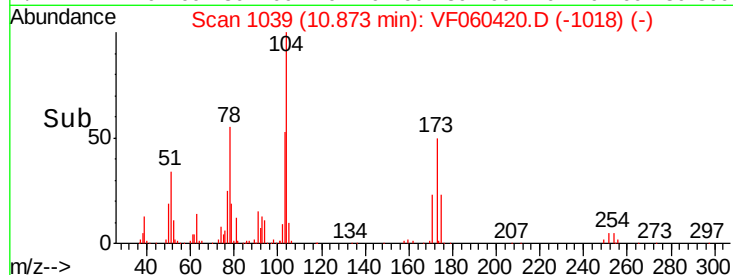
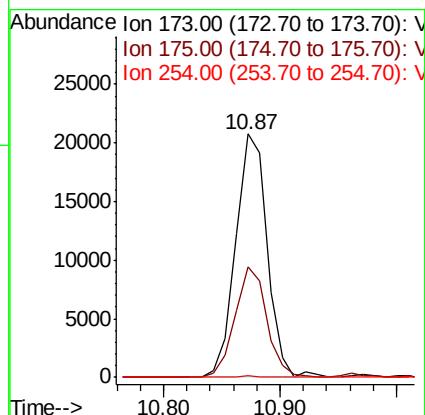
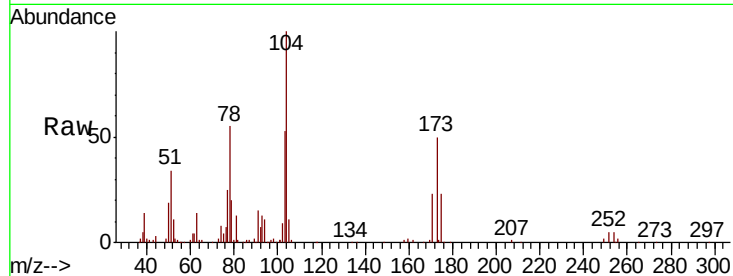
#71
Bromoform
Concen: 20.407 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion:173 Resp: 38846
Ion Ratio Lower Upper
173 100
175 45.6 22.1 66.1
254 0.5 0.0 0.0#

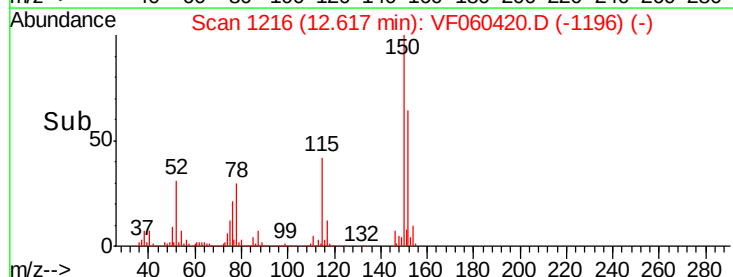
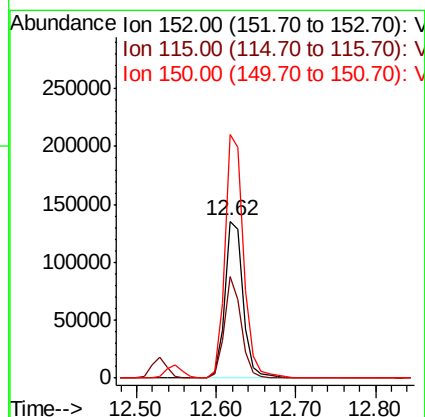
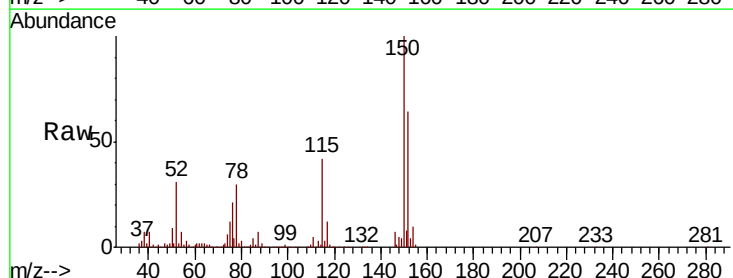
Manual Integrations
APPROVED

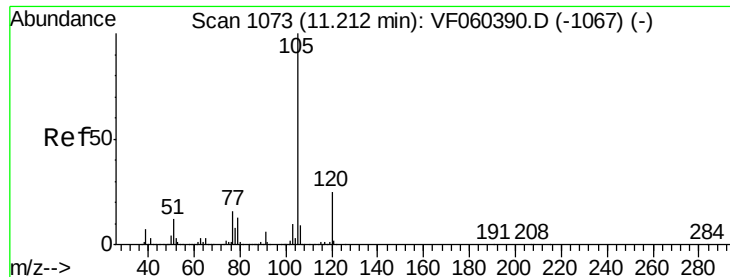
apatel
10/4/2018 2:05:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion:152 Resp: 219840
Ion Ratio Lower Upper
152 100
115 64.7 28.6 85.8
150 155.3 0.0 324.6





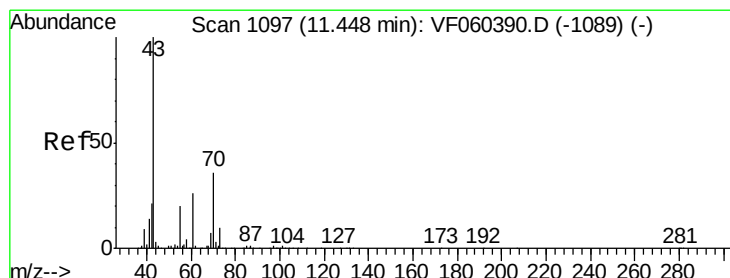
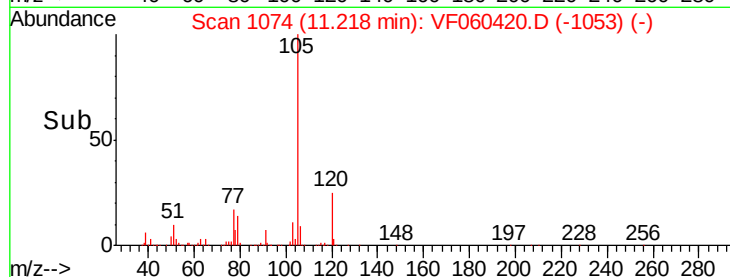
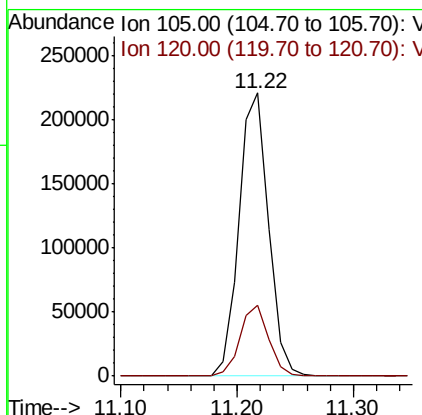
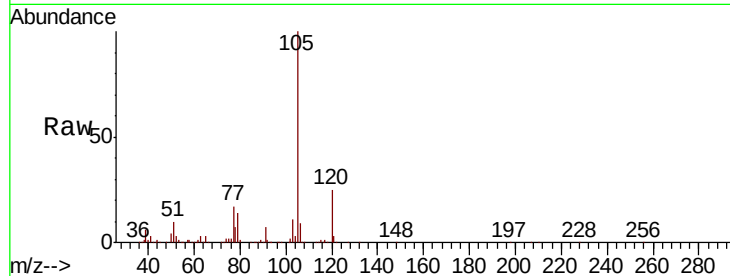
#73
Isopropylbenzene
Concen: 22.442 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.3	36.9

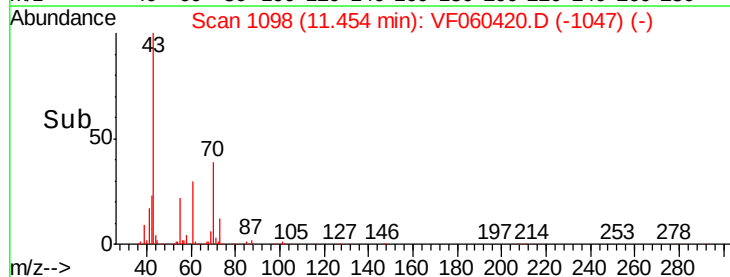
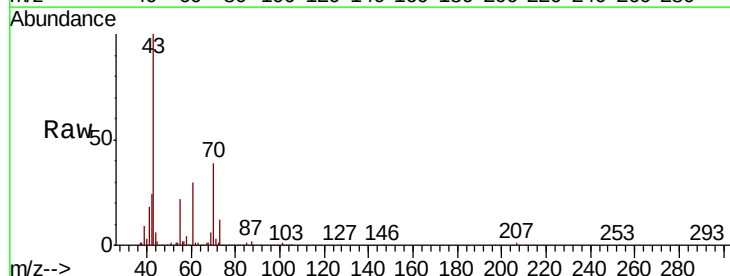
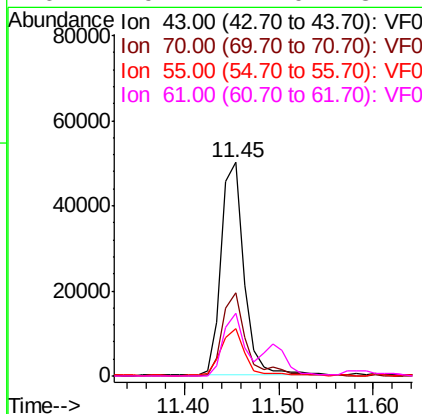
Manual Integrations
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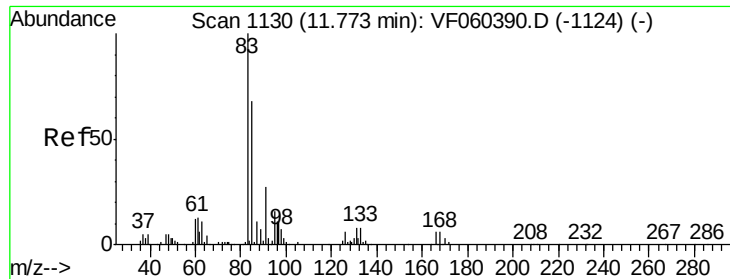
apatel
10/4/2018 2:05:17 PM



#74
N-ethyl acetate
Concen: 21.010 ug/l
RT: 11.45 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	29.1	43.7
55	22.3	16.3	24.5
61	29.7	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.682 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

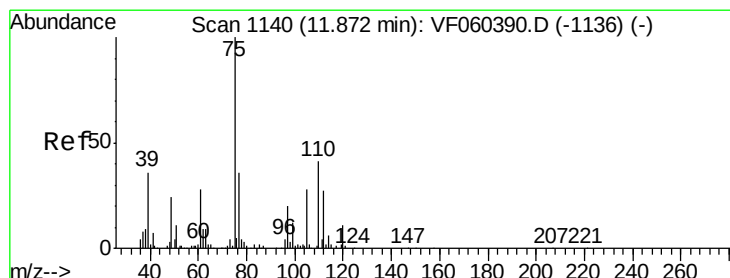
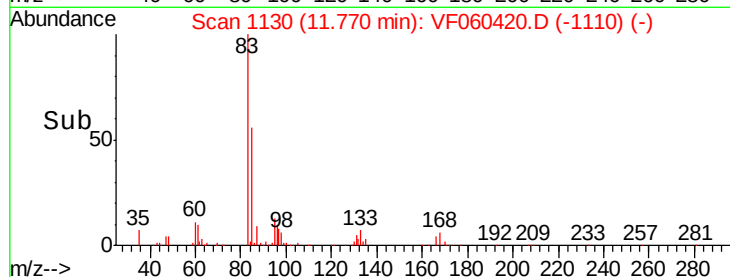
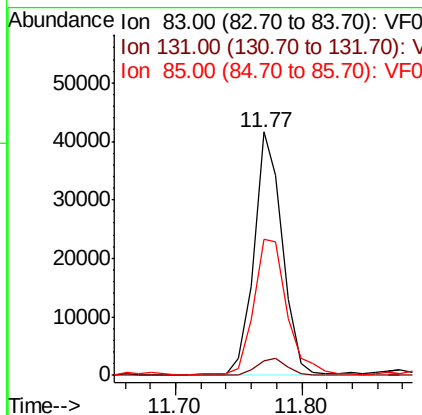
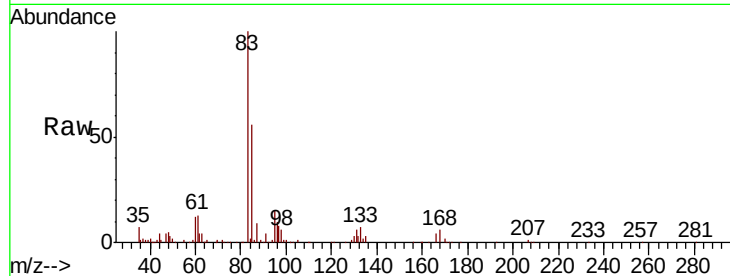
ClientSampleId :

VF1003SBSD01

Tot Ion	83	Resp	65270
Ion Ratio	100	Lower	Upper
83	100		
131	5.9	4.0	12.0
85	55.9	34.0	102.0

Manual Integrations
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10/4/2018 2:05:17 PM



#76

1,2,3-Trichloropropane

Concen: 21.395 ug/l

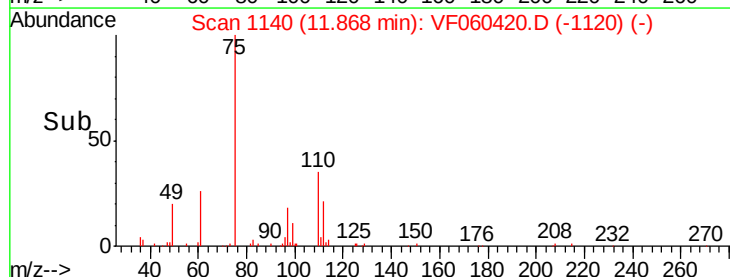
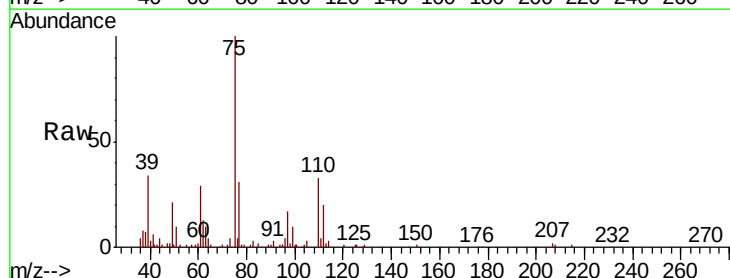
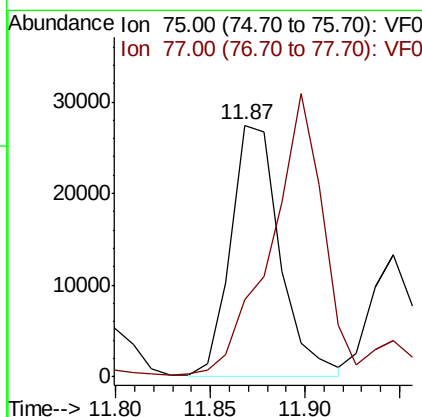
RT: 11.87 min Scan# 1140

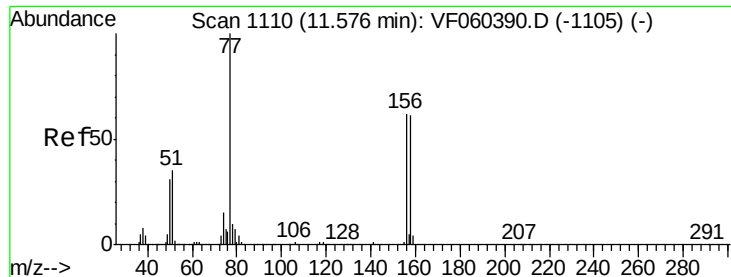
Delta R.T. -0.00 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion	75	Resp	49706
Ion Ratio	100	Lower	Upper
75	100		
77	30.8	18.1	54.4





#77

Bromobenzene

Concen: 19.048 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

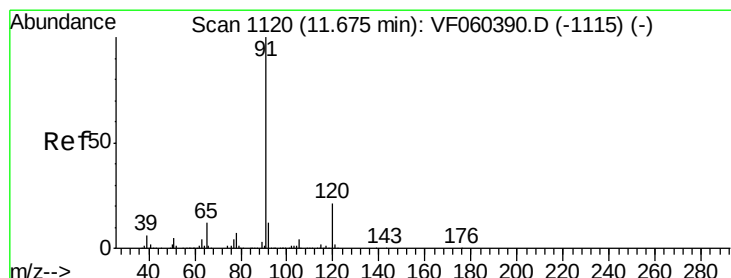
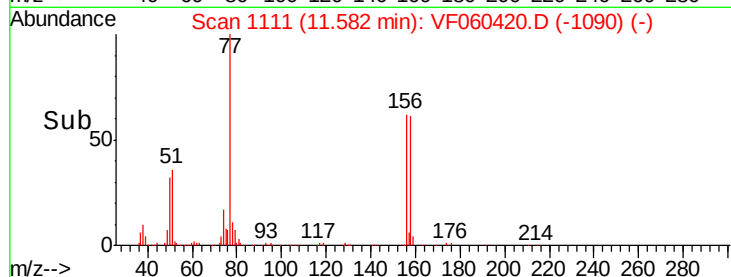
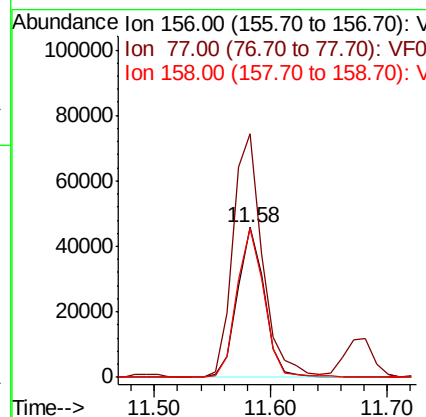
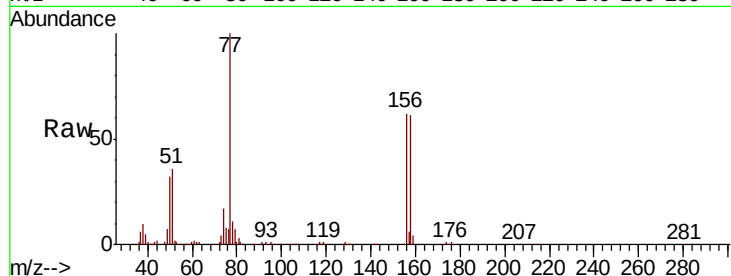
ClientSampleId :

VF1003SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	162.6	81.3	243.9	
158	99.0	49.6	149.0	

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#78

n-propylbenzene

Concen: 21.758 ug/l

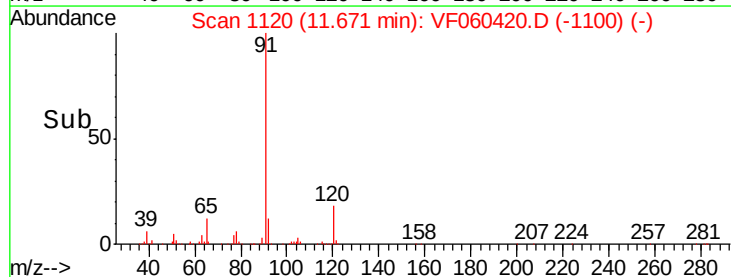
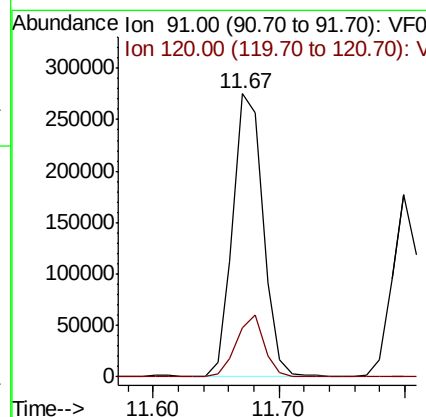
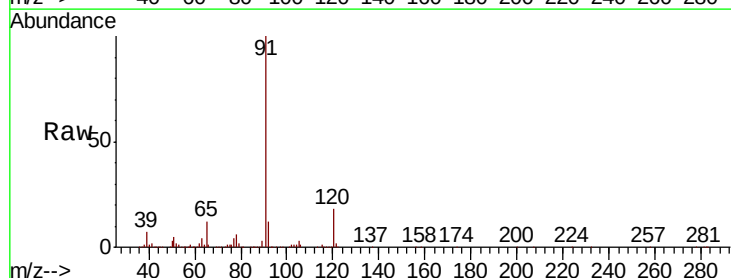
RT: 11.67 min Scan# 1120

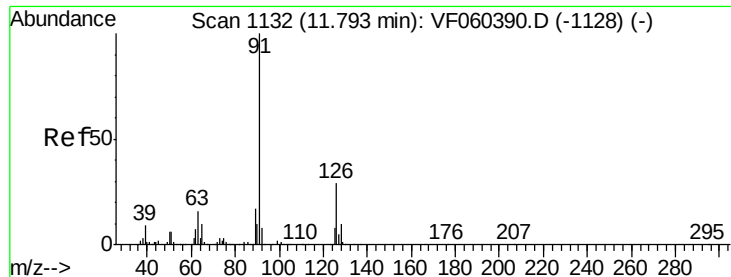
Delta R.T. -0.00 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	17.6	10.5	31.6	





#79

2-Chlorotoluene

Concen: 21.688 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion: 91 Resp: 266221

Ion Ratio Lower Upper

91 100

126 29.8

14.4

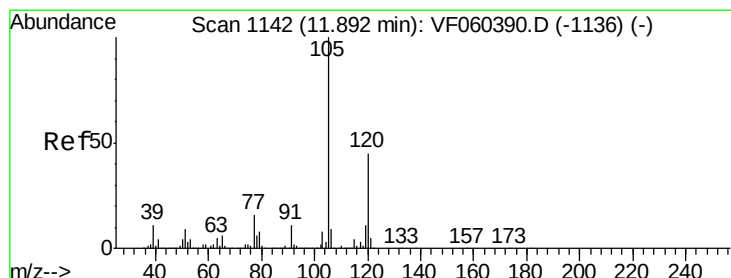
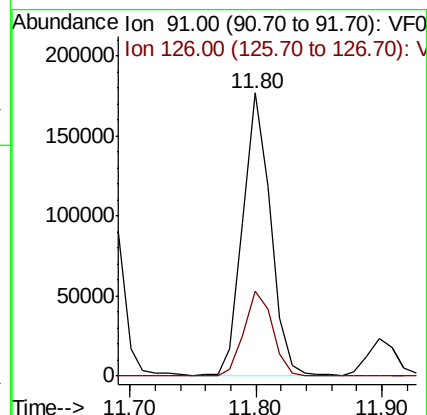
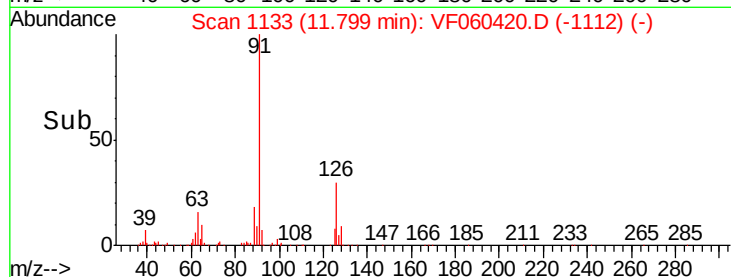
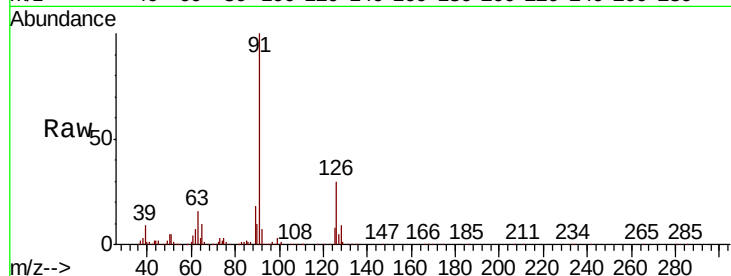
43.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.782 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Tgt Ion: 105 Resp: 320334

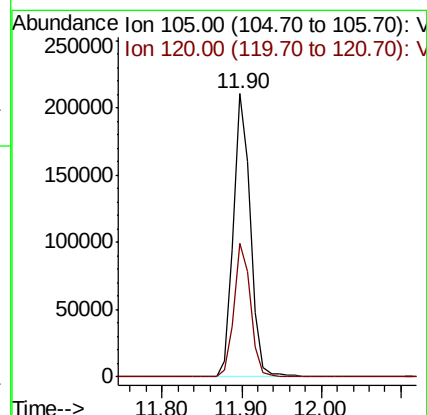
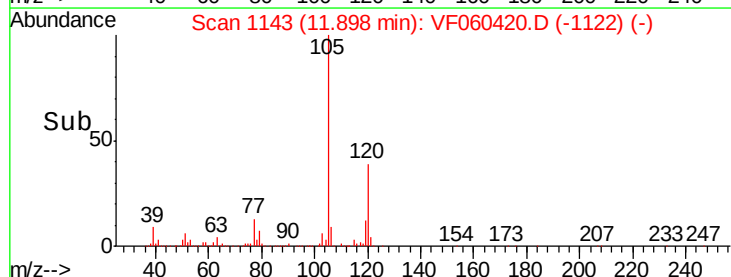
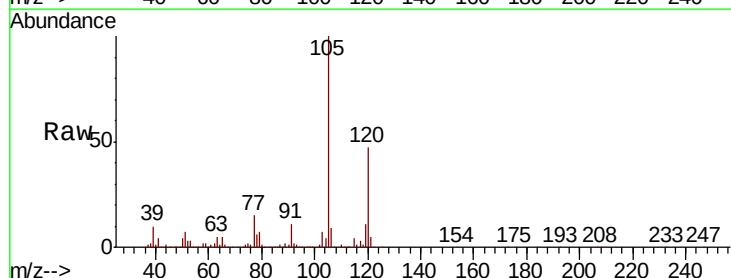
Ion Ratio Lower Upper

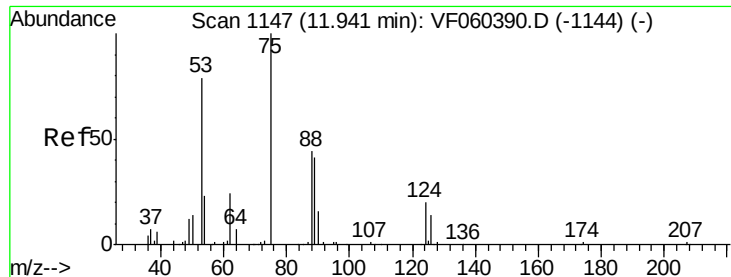
105 100

120 47.3

22.3

66.9





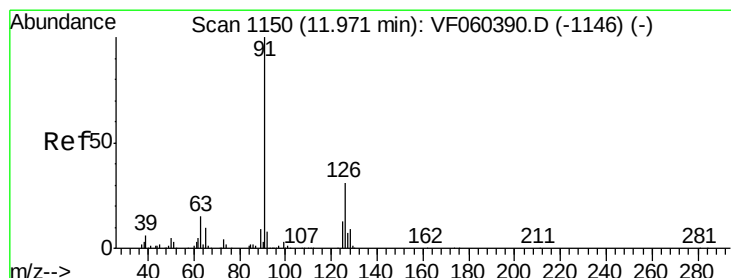
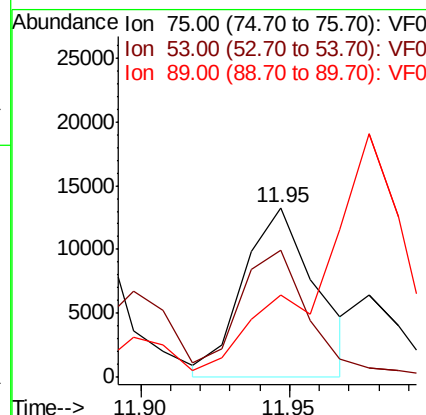
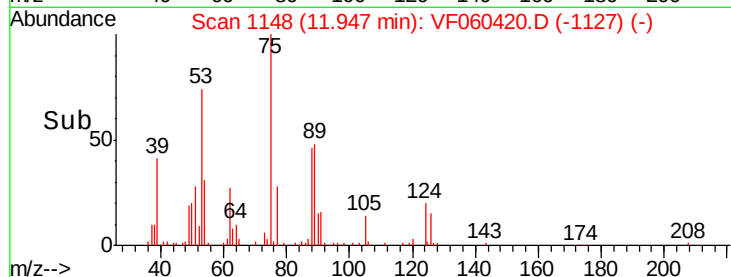
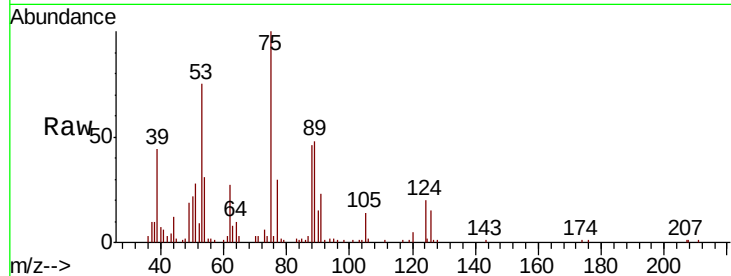
#81
trans-1,4-Dichloro-2-butene
Concen: 21.871 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	75.2	67.8	101.8
89	48.1	36.7	55.1

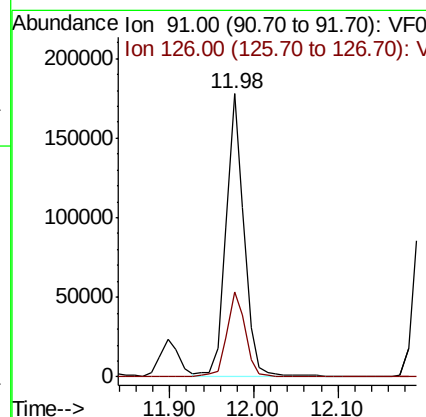
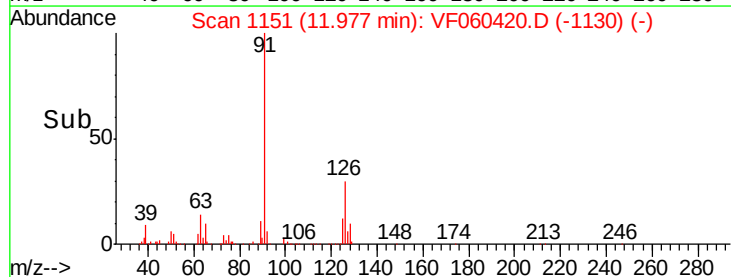
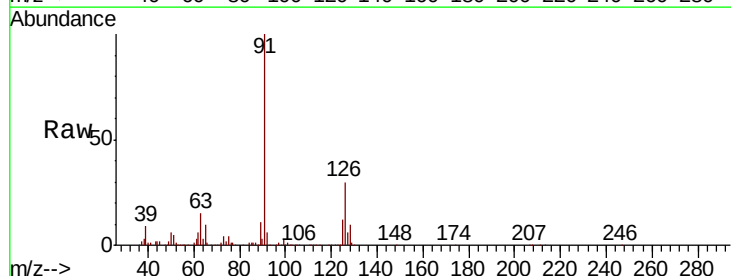
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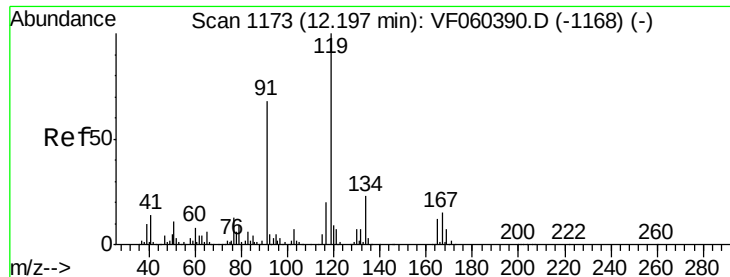
apatel
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#82
4-Chlorotoluene
Concen: 20.905 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.7	47.0





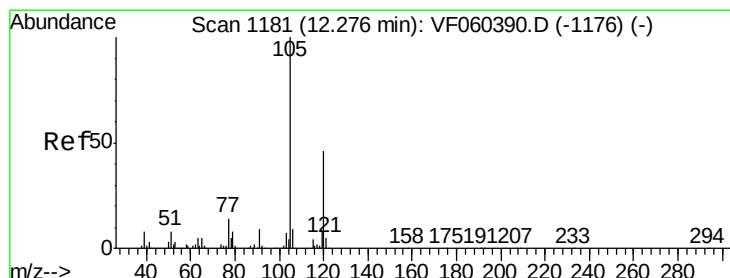
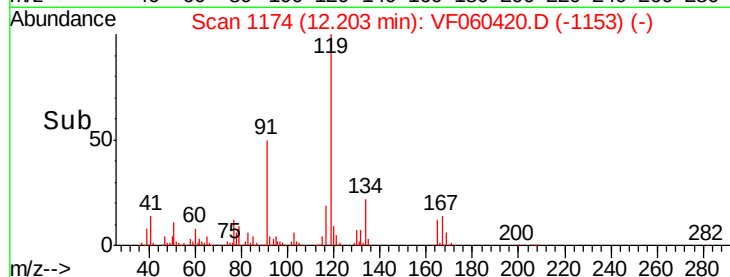
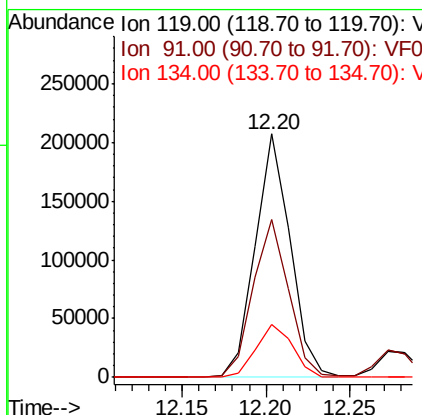
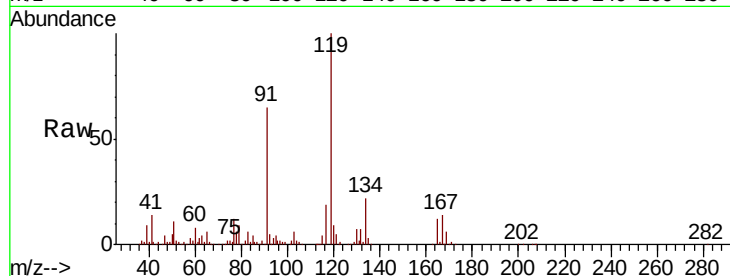
#83
 tert-Butylbenzene
 Concen: 20.707 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	34.0	102.0
134	21.7	11.7	35.0

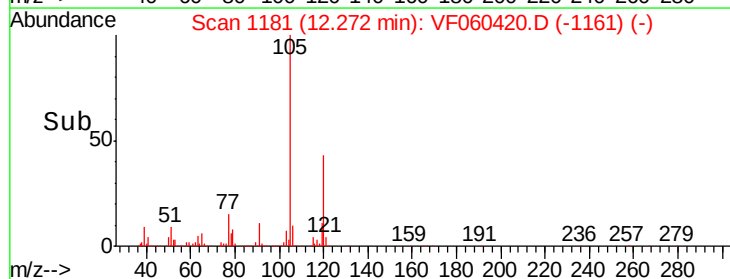
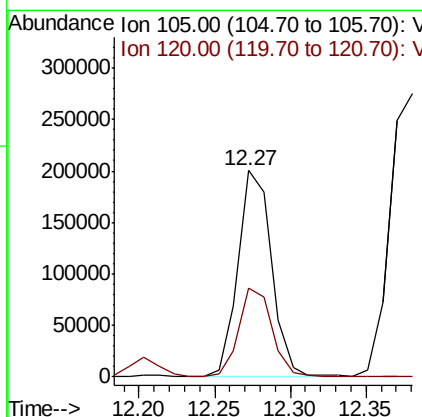
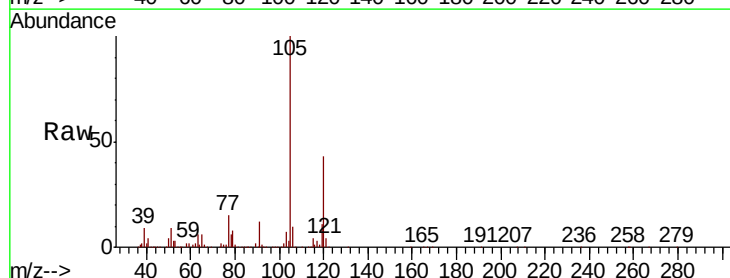
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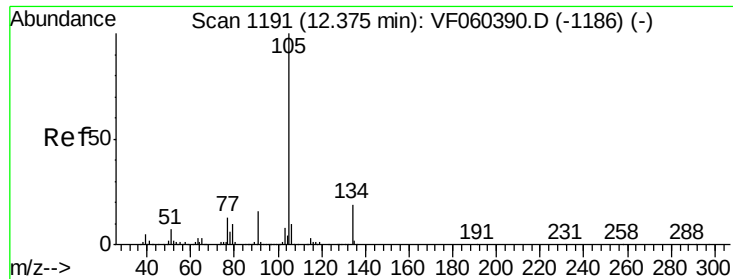
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.262 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 21.499 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBSD01

Tot Ion:105 Resp: 430454

Ion Ratio Lower Upper

105 100

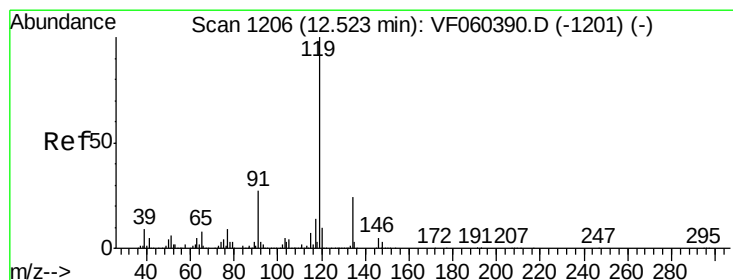
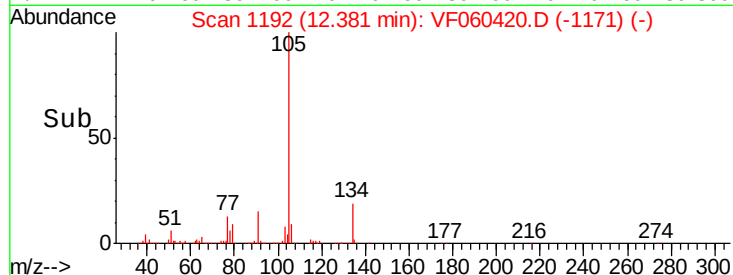
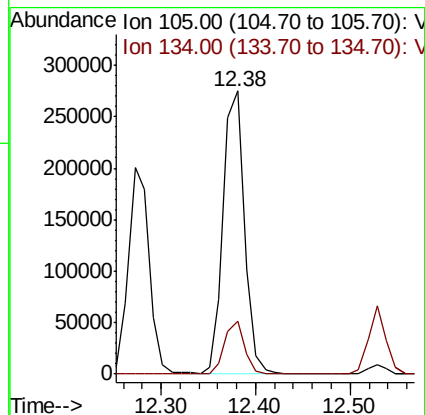
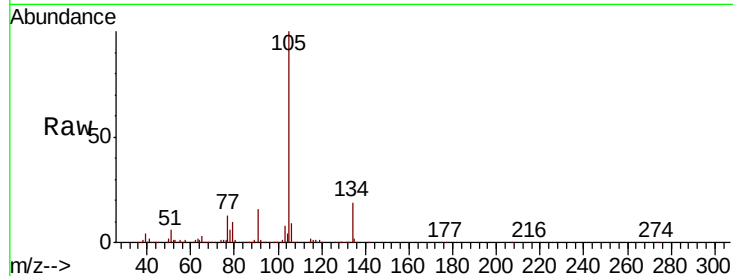
134 18.6 9.4 28.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.296 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060420.D

Acq: 3 Oct 2018 17:50

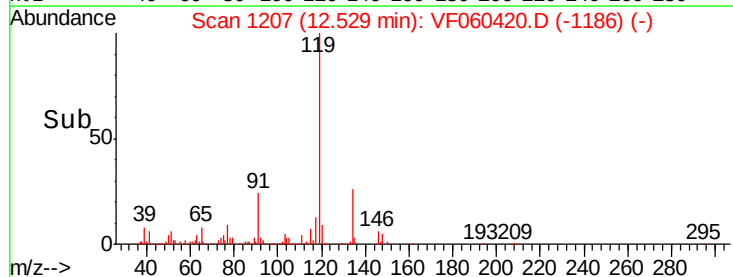
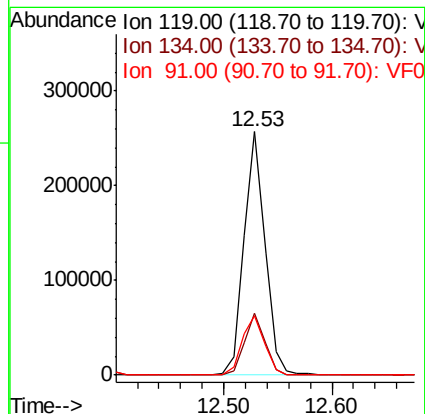
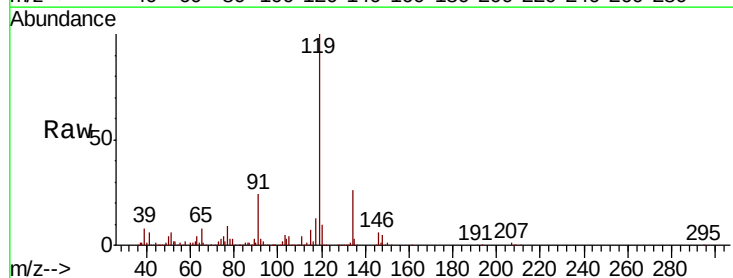
Tgt Ion:119 Resp: 348346

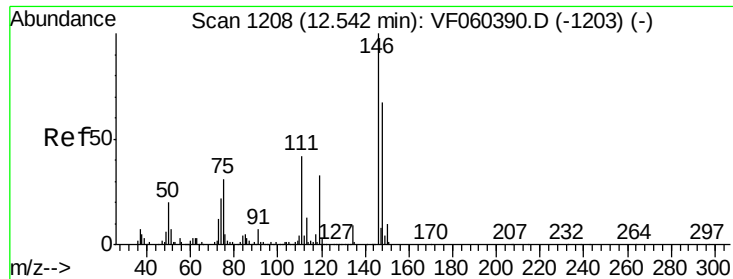
Ion Ratio Lower Upper

119 100

134 25.6 12.3 36.8

91 24.4 13.5 40.4





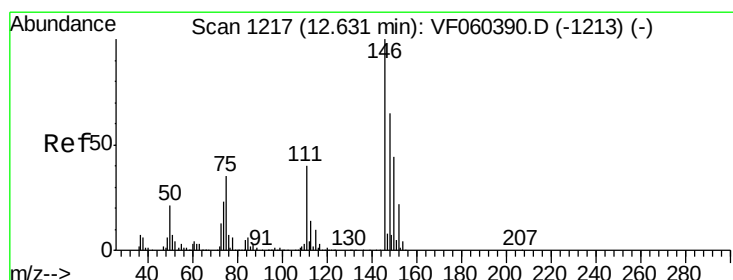
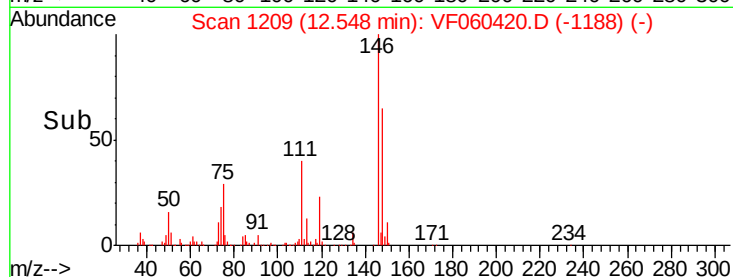
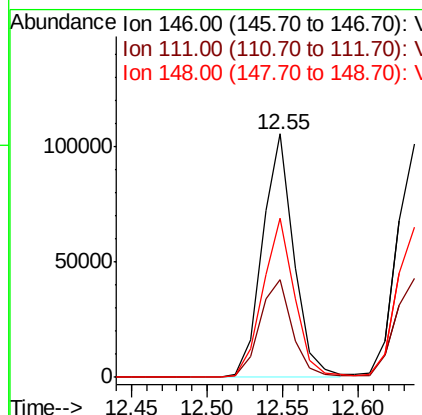
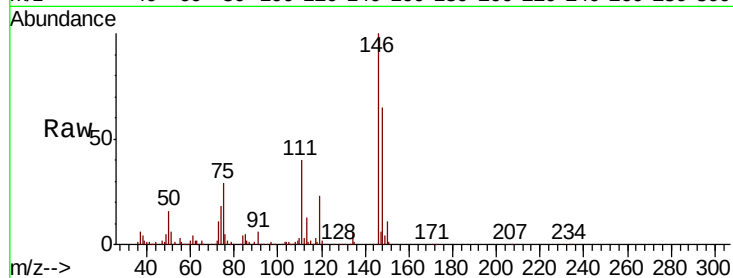
#87
 1,3-Dichlorobenzene
 Concen: 20.957 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.9	62.7
148	65.2	33.6	100.8

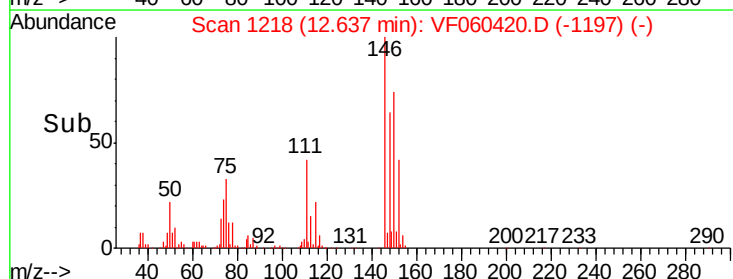
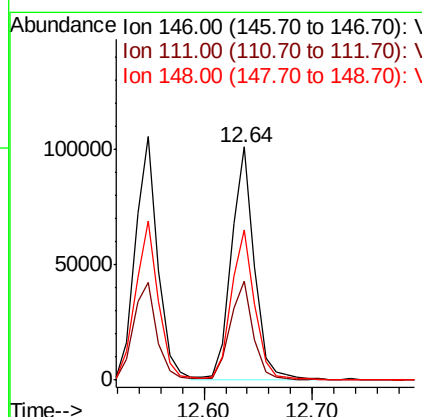
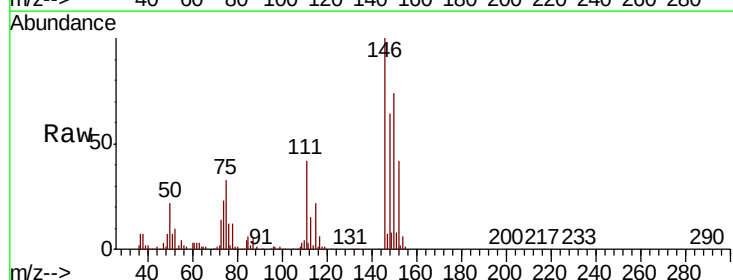
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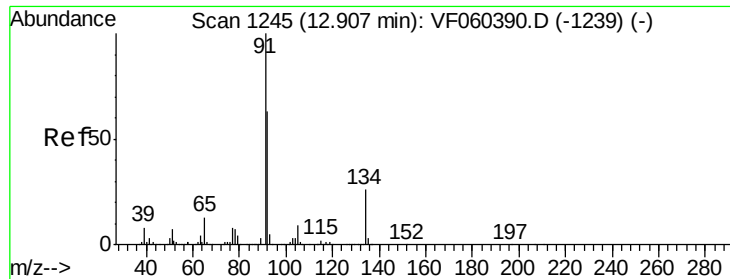
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#88
 1,4-Dichlorobenzene
 Concen: 21.034 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.6
148	64.3	32.6	97.8





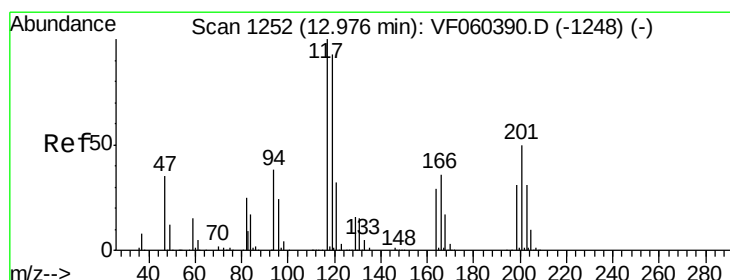
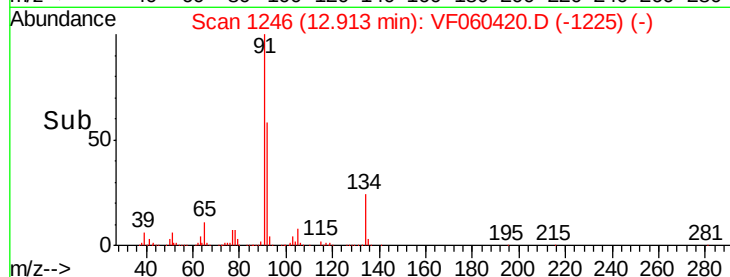
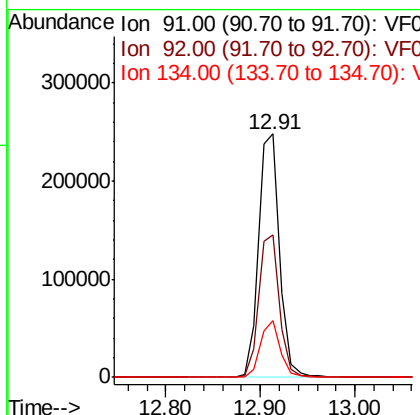
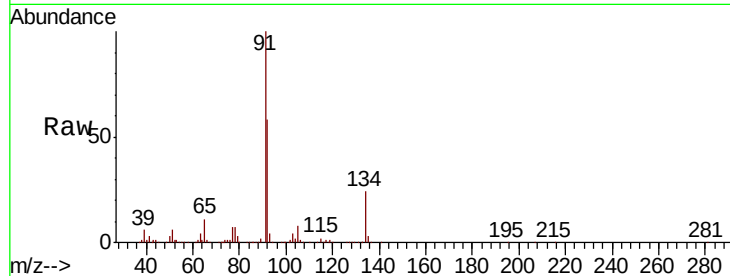
#89
n-Butylbenzene
Concen: 22.154 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	31.3	93.9
134	23.6	13.0	38.9

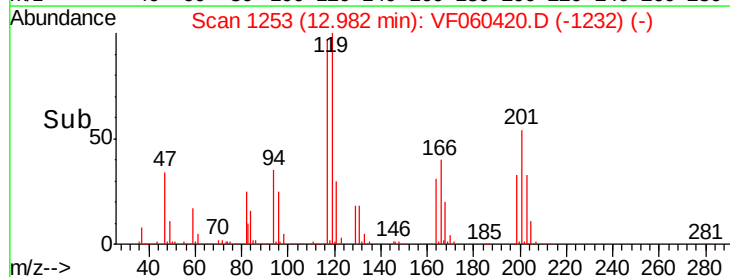
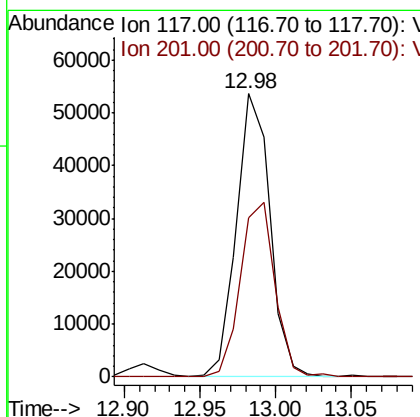
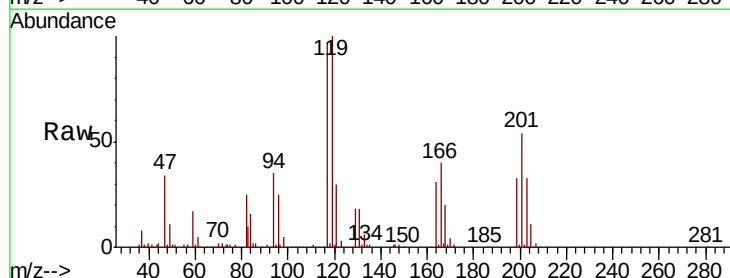
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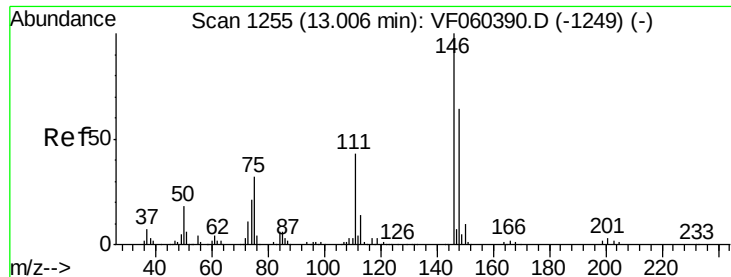
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#90
Hexachloroethane
Concen: 19.629 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.1	25.5	76.5





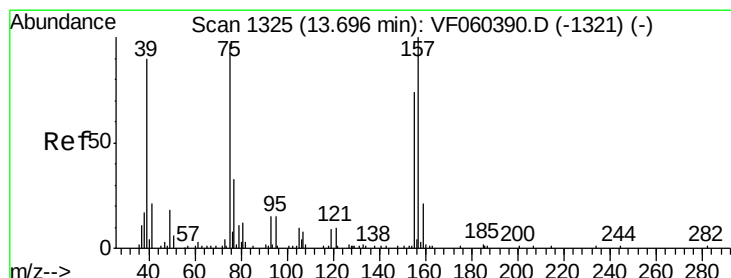
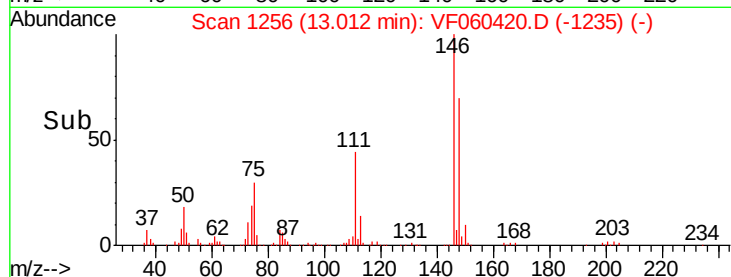
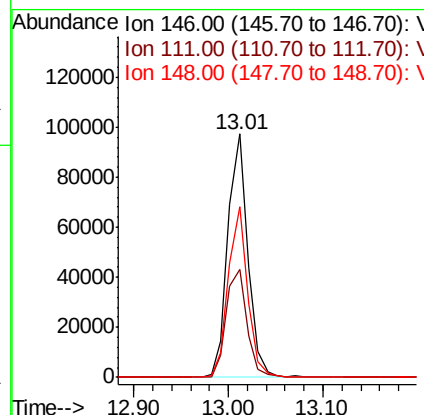
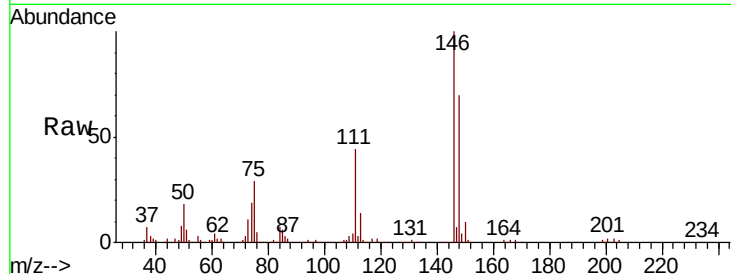
#91
 1,2-Dichlorobenzene
 Concen: 20.485 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.3	64.0
148	70.0	32.2	96.6

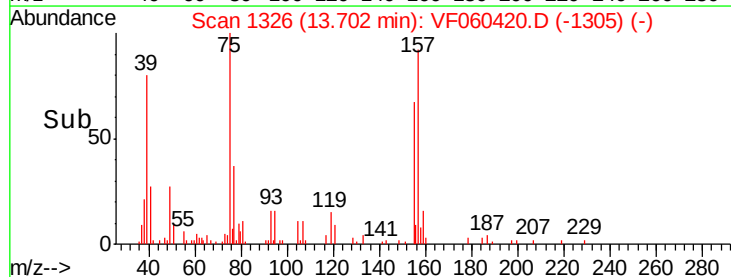
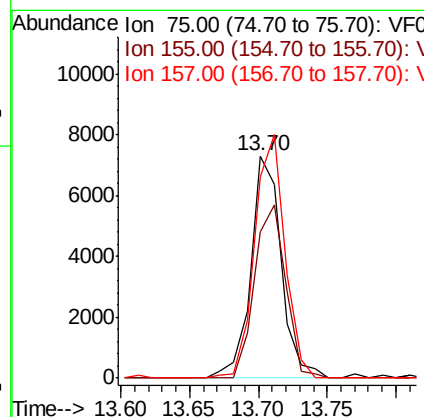
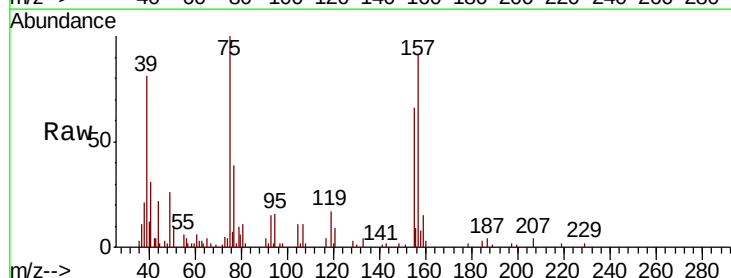
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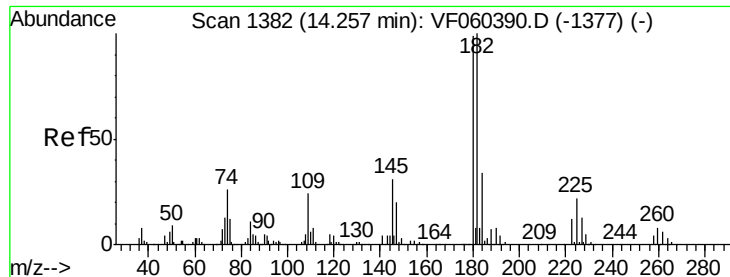
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.544 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.0	37.9	113.6
157	90.8	51.3	154.0





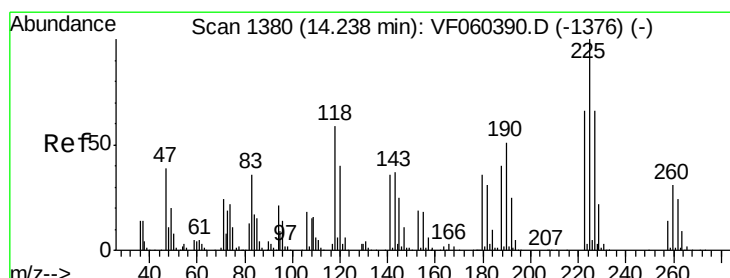
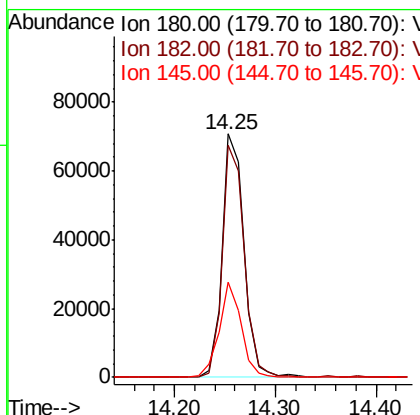
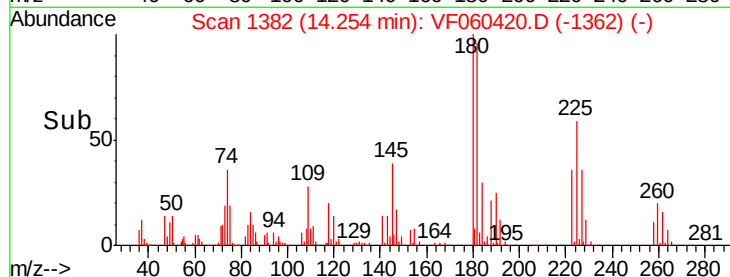
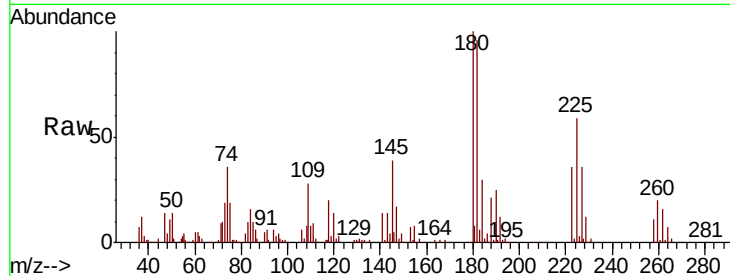
#93
 1,2,4-Trichlorobenzene
 Concen: 20.462 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	50.3	150.9	
145	38.9	15.5	46.5	

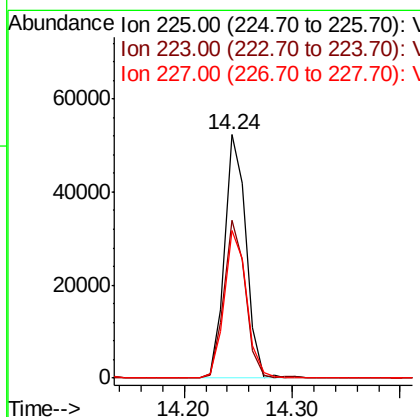
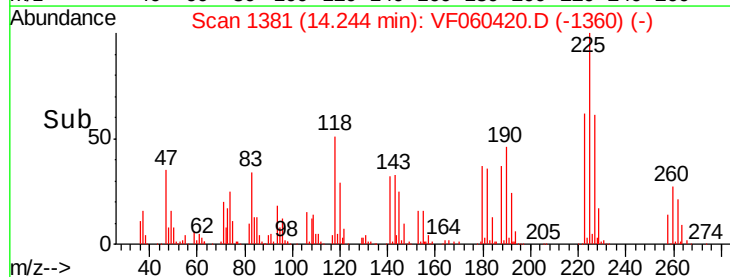
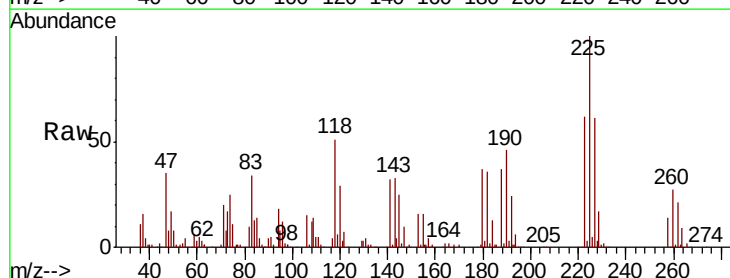
Manual Integrations
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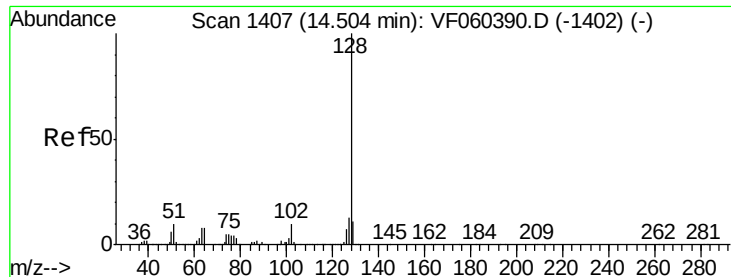
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#94
 Hexachlorobutadiene
 Concen: 19.897 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060420.D
 Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.7	32.8	98.4	
227	60.6	33.0	99.0	





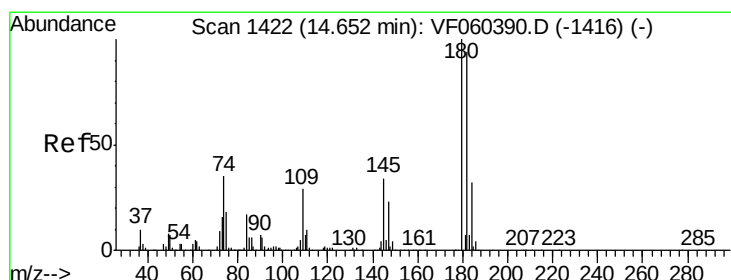
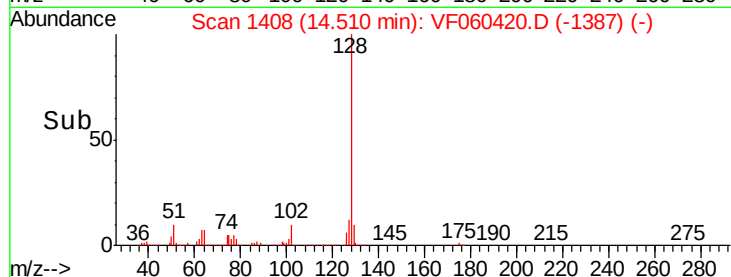
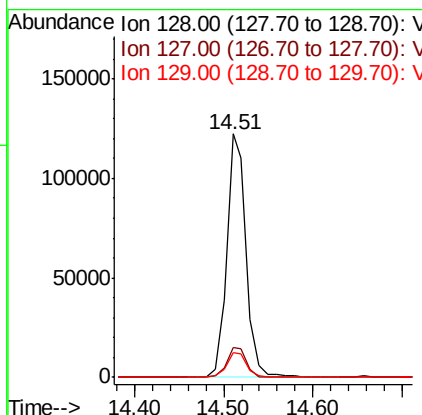
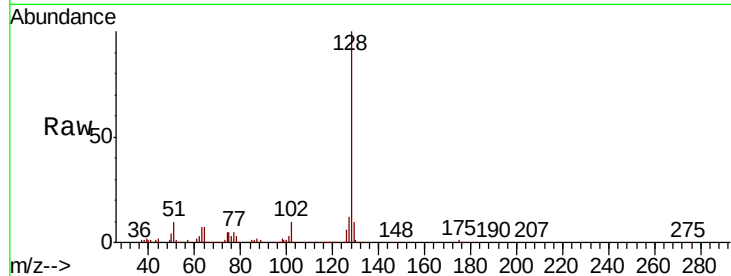
#95
Naphthalene
Concen: 20.121 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.0	15.0
129	10.3	8.7	13.1

Manual Integrations
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10/4/2018 2:05:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.676 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060420.D
Acq: 3 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	46.8	140.3
145	33.2	16.9	50.6

