

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060890.D
 Acq On : 3 Dec 2018 14:35
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Manual Integrations
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 12/4/2018 2:48:26 PM

Quant Time: Dec 04 03:34:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	185420	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	302892	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	282987	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	152633	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	126789	58.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.10%	
35) Dibromofluoromethane	4.14	113	128696	53.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.12%	
50) Toluene-d8	7.57	98	358729	50.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.43	95	170138	52.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	61546	22.199	ug/l	96
3) Chloromethane	1.10	50	37184	20.611	ug/l	98
4) Vinyl Chloride	1.14	62	36633	21.769	ug/l	98
5) Bromomethane	1.35	94	26507	22.339	ug/l	97
6) Chloroethane	1.40	64	16253	22.344	ug/l	92
7) Trichlorofluoromethane	1.48	101	79846	22.115	ug/l	85
8) Diethyl Ether	1.64	74	10790	20.782	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	38470	21.076	ug/l	96
10) Methyl Iodide	1.92	142	61162m	22.044	ug/l	
11) Tert butyl alcohol	2.59	59	11193	125.005	ug/l #	84
12) 1,1-Dichloroethene	1.81	96	31288	21.311	ug/l	94
13) Acrolein	2.02	56	8887	104.755	ug/l	100
14) Allyl chloride	2.11	41	29442	16.089	ug/l	88
15) Acrylonitrile	2.97	53	23798	118.550	ug/l	92
16) Acetone	2.25	43	46504	115.452	ug/l	98
17) Carbon Disulfide	1.83	76	81252m	20.640	ug/l	
18) Methyl Acetate	2.36	43	17203	24.619	ug/l	96
19) Methyl tert-butyl Ether	2.44	73	70640	21.362	ug/l #	89
20) Methylene Chloride	2.26	84	33102m	22.401	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	29284m	20.689	ug/l	
22) Diisopropyl ether	2.82	45	106490	21.379	ug/l	97
23) Vinyl Acetate	3.21	43	268465	117.908	ug/l #	96
24) 1,1-Dichloroethane	2.89	63	65194	21.999	ug/l	100
25) 2-Butanone	4.36	43	84481	121.259	ug/l	97
26) 2,2-Dichloropropane	3.62	77	43235	22.503	ug/l	93
27) cis-1,2-Dichloroethene	3.50	96	51453	22.329	ug/l	94
28) Bromochloromethane	3.74	49	33652	23.661	ug/l	94
29) Tetrahydrofuran	4.10	42	34402	116.490	ug/l	96
30) Chloroform	3.88	83	100205	21.970	ug/l	99
31) Cyclohexane	3.70	56	68267m	22.196	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	59875	18.929	ug/l	94
36) 1,1-Dichloropropene	4.30	75	75121	22.360	ug/l	94
37) Ethyl Acetate	4.14	43	36269	26.566	ug/l #	78
38) Carbon Tetrachloride	4.01	117	62046	20.910	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	70475	20.017	ug/l	91
40) Benzene	4.66	78	163826	22.073	ug/l	96
41) Methacrylonitrile	4.77	41	18832	24.677	ug/l	89
42) 1,2-Dichloroethane	4.97	62	59702	22.033	ug/l	97
43) Isopropyl Acetate	6.99	43	36633	20.122	ug/l #	98
44) Trichloroethene	5.53	130	52949	21.819	ug/l	92
45) 1,2-Dichloropropane	6.26	63	39411	20.446	ug/l	94
46) Dibromomethane	6.11	93	27645	21.142	ug/l	92
47) Bromodichloromethane	6.41	83	77196	22.227	ug/l	98
48) Methyl methacrylate	6.74	41	24260	19.631	ug/l	96
49) 1,4-Dioxane	6.73	88	4082	451.333	ug/l #	77
51) 4-Methyl-2-Pentanone	8.28	43	142606	113.272	ug/l	97
52) Toluene	7.65	92	105207	20.180	ug/l	96
53) t-1,3-Dichloropropene	8.30	75	62223	22.026	ug/l	97
54) cis-1,3-Dichloropropene	7.33	75	78049	22.317	ug/l	94
55) 1,1,2-Trichloroethane	8.51	97	32601	21.461	ug/l	98
56) Ethyl methacrylate	8.64	69	34381	20.374	ug/l	97
57) 1,3-Dichloropropane	8.87	76	57468	21.623	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	20907	121.124	ug/l	93
59) 2-Hexanone	9.52	43	103021	116.639	ug/l	99
60) Dibromochloromethane	8.74	129	47577	21.020	ug/l	98
61) 1,2-Dibromoethane	9.01	107	35398	21.570	ug/l	95
64) Tetrachloroethene	8.17	164	47609	22.026	ug/l	94
65) Chlorobenzene	9.82	112	118790	21.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	51955	21.953	ug/l	90
67) Ethyl Benzene	9.92	91	231202	22.559	ug/l	98
68) m/p-Xylenes	10.16	106	161303	43.759	ug/l	91
69) o-Xylene	10.73	106	85765	21.100	ug/l	83
70) Styrene	10.81	104	124447	22.086	ug/l	99
71) Bromoform	10.80	173	25025	21.891	ug/l #	95
73) Isopropylbenzene	11.14	105	268423	22.254	ug/l	99
74) N-amyl acetate	11.39	43	67105	24.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	46470	23.409	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	32316	22.396	ug/l	98
77) Bromobenzene	11.52	156	56222	21.261	ug/l	94
78) n-propylbenzene	11.61	91	311693	22.066	ug/l	98
79) 2-Chlorotoluene	11.73	91	180706	22.311	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	222181	22.690	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	14889m	21.060	ug/l	
82) 4-Chlorotoluene	11.91	91	182038	21.357	ug/l	97
83) tert-Butylbenzene	12.15	119	217757	21.831	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	215566	22.058	ug/l	94
85) sec-Butylbenzene	12.32	105	305223	22.353	ug/l	97
86) p-Isopropyltoluene	12.47	119	252590	22.065	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	108525	21.575	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	106863	21.800	ug/l	99
89) n-Butylbenzene	12.86	91	263378	22.753	ug/l	96
90) Hexachloroethane	12.93	117	60820	22.063	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	106685	22.397	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7535	19.633	ug/l	89

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ClientSampleId :
VF1203SBSD01

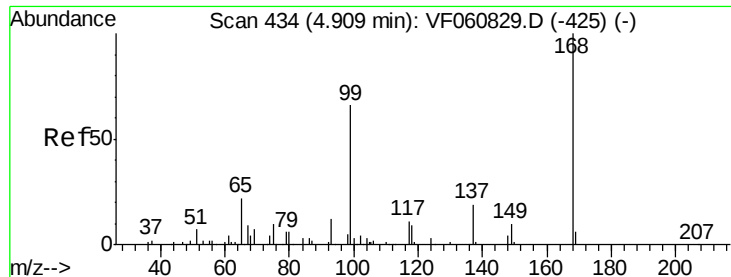
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	74505	22.385	ug/l	97
94) Hexachlorobutadiene	14.20	225	46640	21.021	ug/l	99
95) Naphthalene	14.47	128	137854	19.183	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	70259	22.734	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:168 Resp: 185420

Ion Ratio Lower Upper

168 100

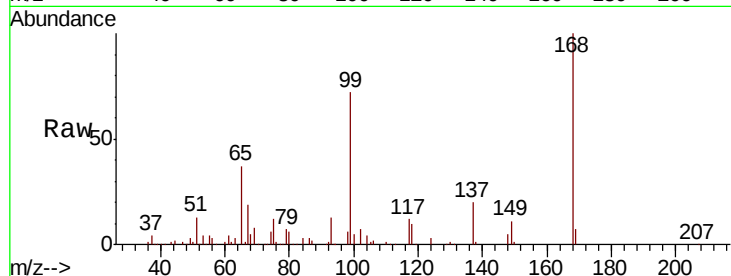
99 71.9 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

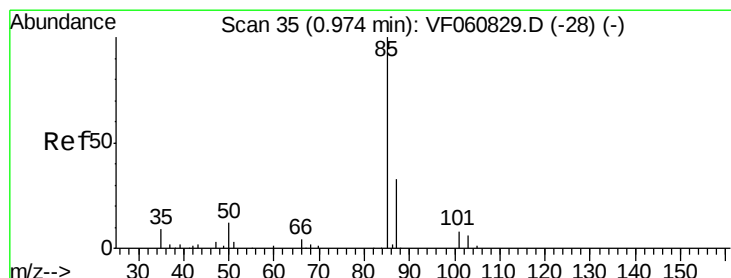
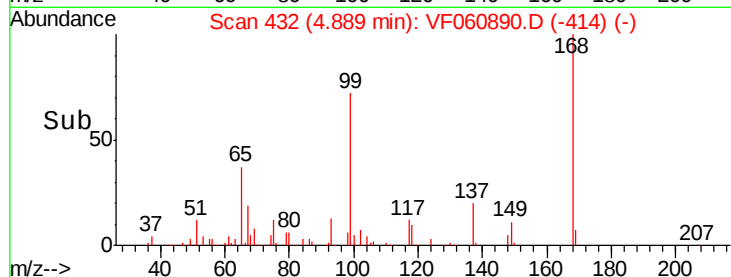
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.199 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060890.D

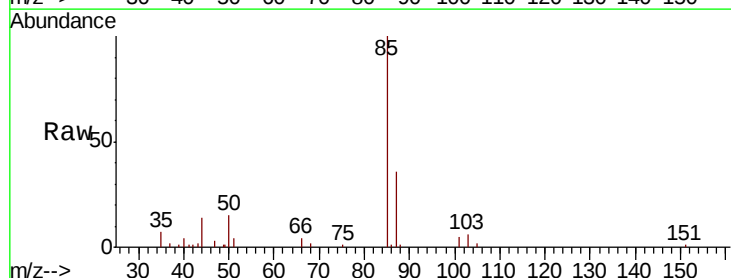
Acq: 3 Dec 2018 14:35

Tgt Ion: 85 Resp: 61546

Ion Ratio Lower Upper

85 100

87 35.7 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

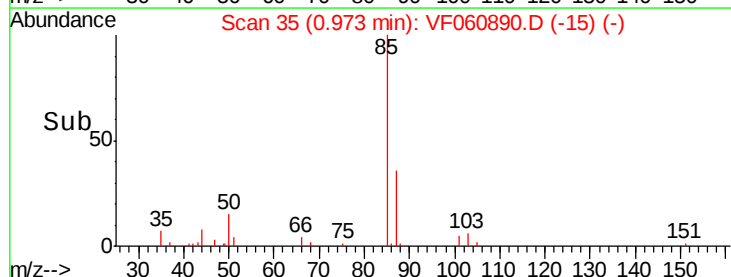
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.611 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBSD01

Tot Ion: 50 Resp: 37184

Ion Ratio Lower Upper

50 100

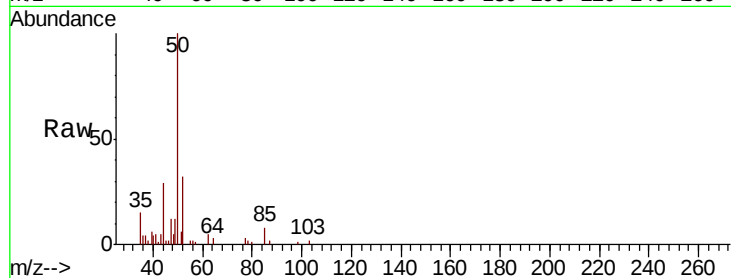
52 32.4 27.0 40.4

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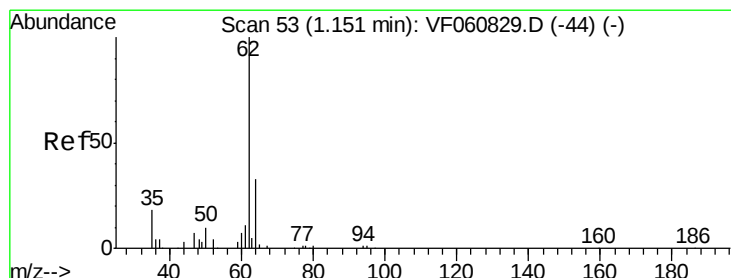
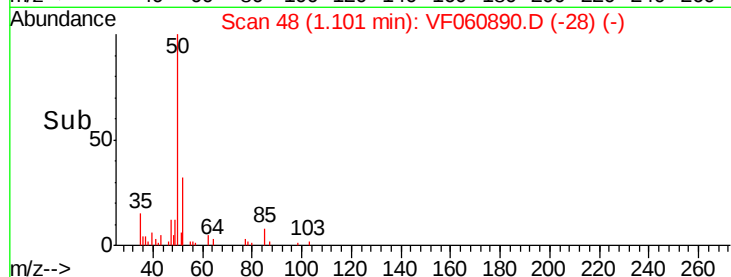
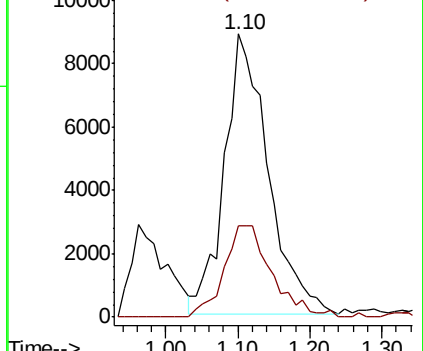
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.769 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060890.D

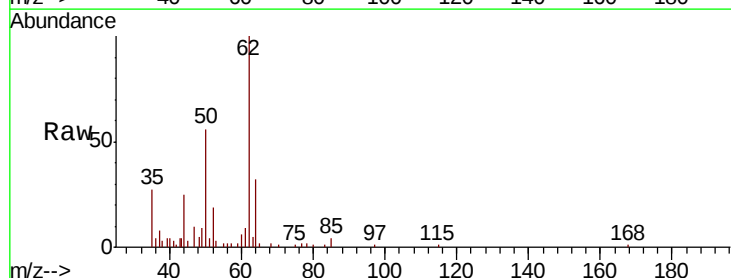
Acq: 3 Dec 2018 14:35

Tgt Ion: 62 Resp: 36633

Ion Ratio Lower Upper

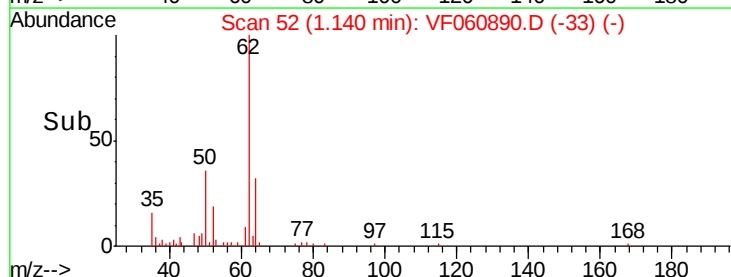
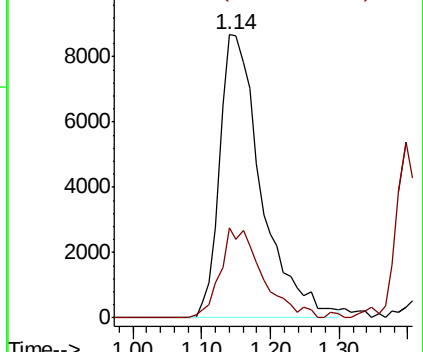
62 100

64 32.0 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.339 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 94 Resp: 26507

Ion Ratio Lower Upper

94 100

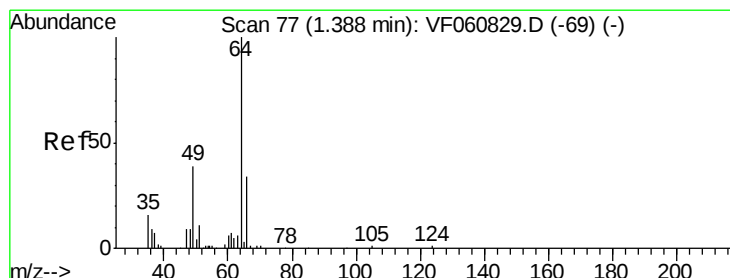
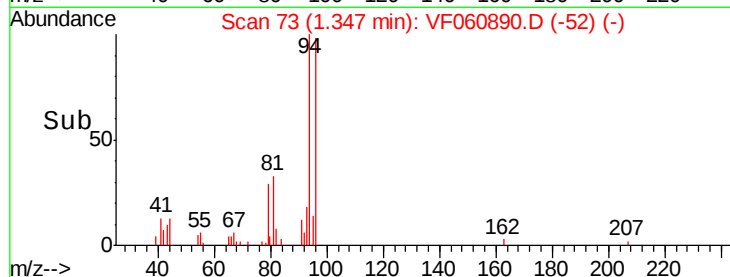
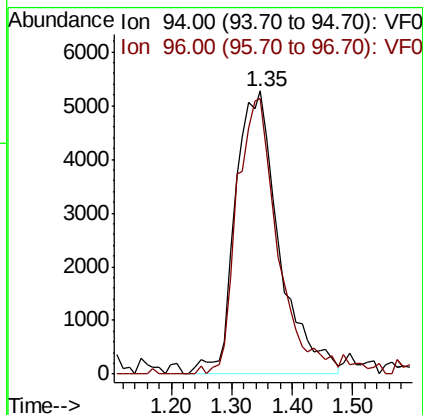
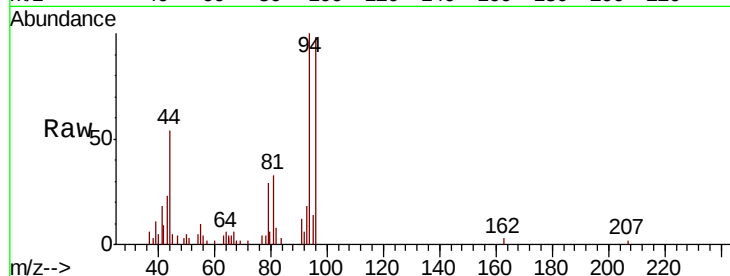
96 97.6 75.9 113.9

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#6

Chloroethane

Concen: 22.344 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060890.D

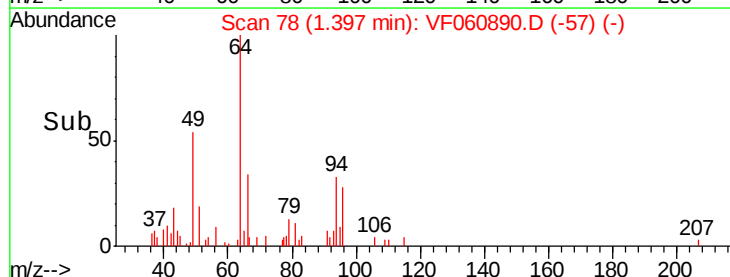
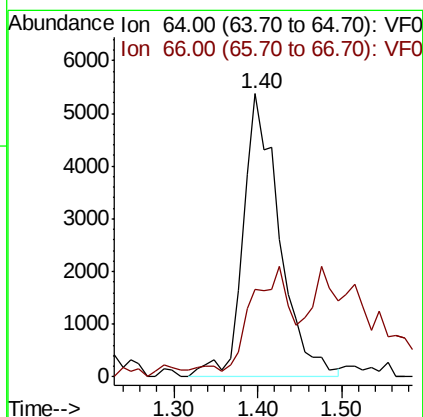
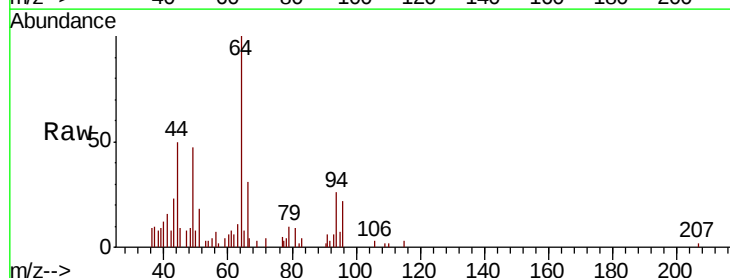
Acq: 3 Dec 2018 14:35

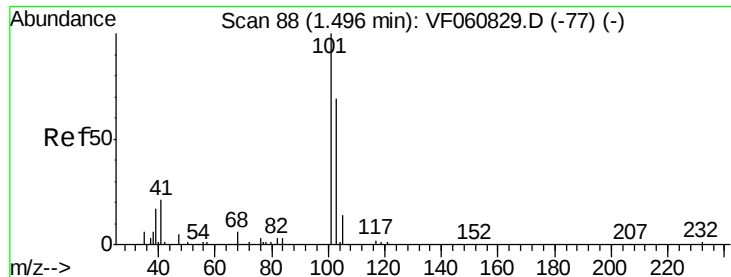
Tgt Ion: 64 Resp: 16253

Ion Ratio Lower Upper

64 100

66 30.7 28.1 42.1





#7

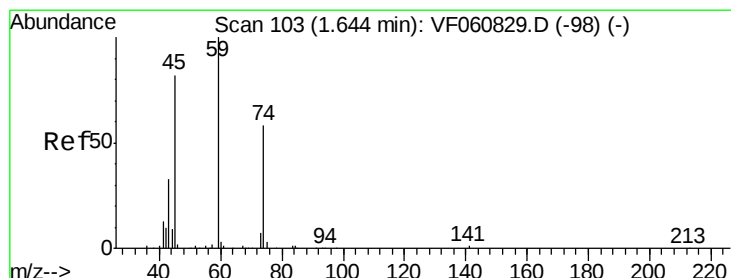
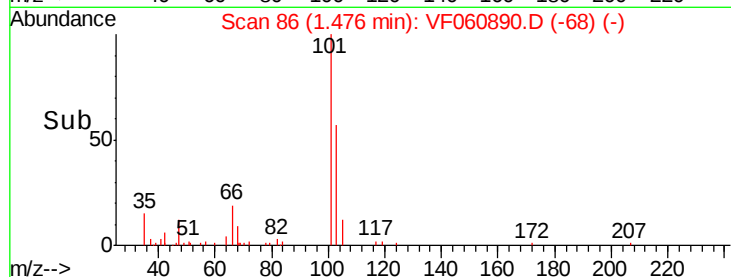
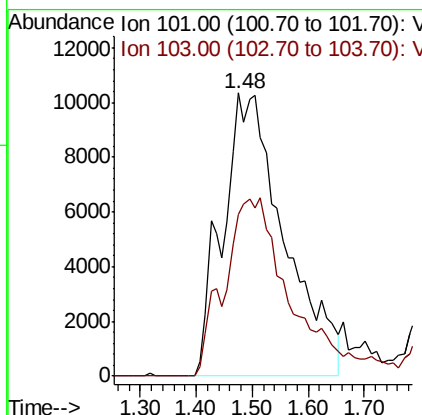
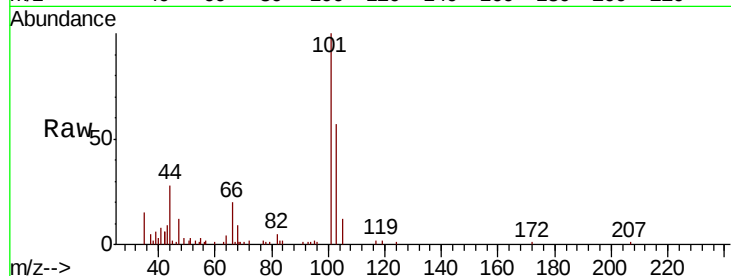
Trichlorofluoromethane
 Concen: 22.115 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
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 ClientSampleId :
 VF1203SBS01

Tot Ion:101 Resp: 79846
 Ion Ratio Lower Upper
 101 100
 103 57.3 55.4 83.0

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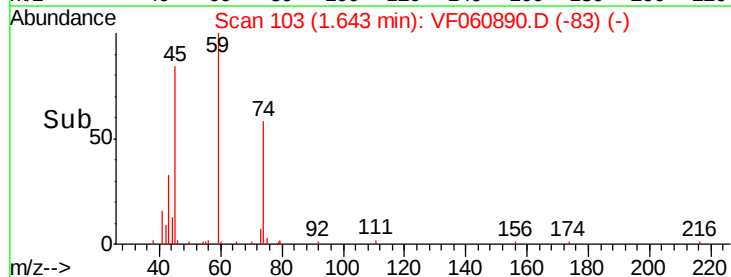
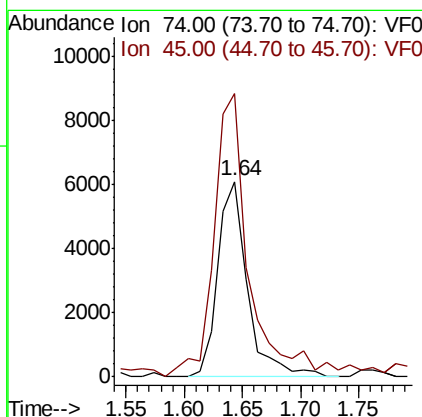
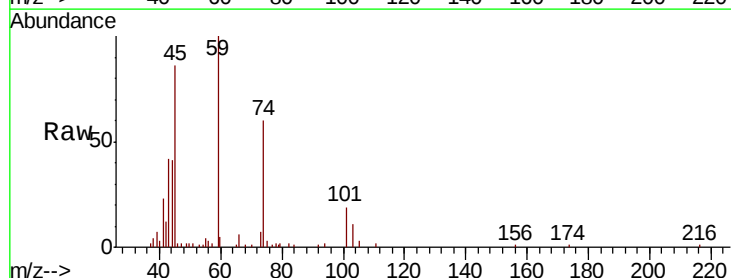
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#8

Diethyl Ether
 Concen: 20.782 ug/l
 RT: 1.64 min Scan# 103
 Delta R.T. -0.00 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Tgt Ion: 74 Resp: 10790
 Ion Ratio Lower Upper
 74 100
 45 145.1 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.076 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

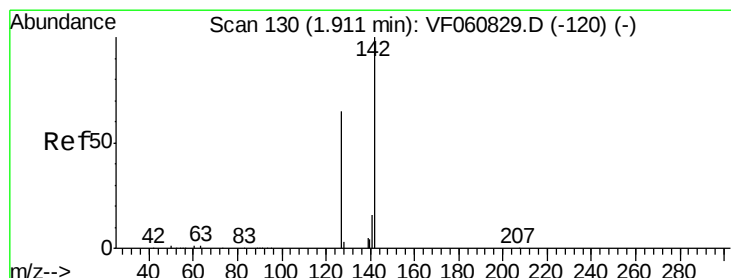
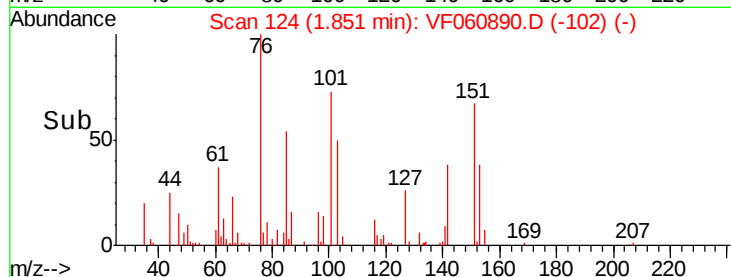
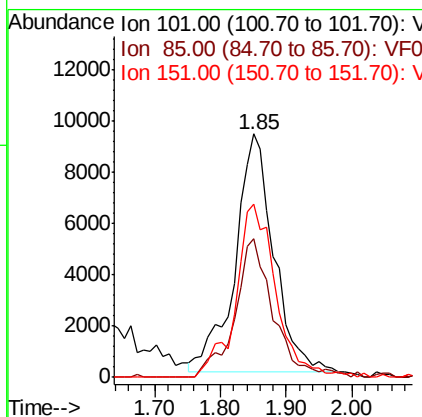
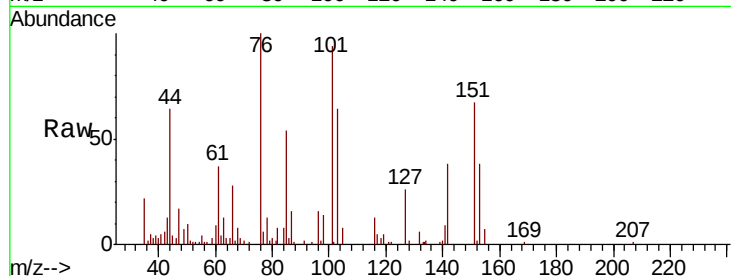
ClientSampleId :

VF1203SBSD01

Tot Ion:	101	Resp:	38470
Ion Ratio	Lower	Upper	
101	100		
85	57.0	42.8	64.2
151	71.0	54.4	81.6

Manual Integrations
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#10

Methyl Iodide

Concen: 22.044 ug/l m

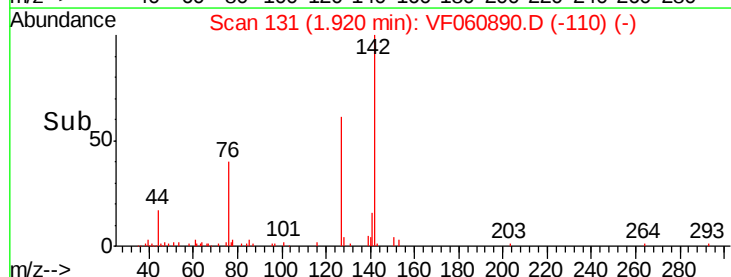
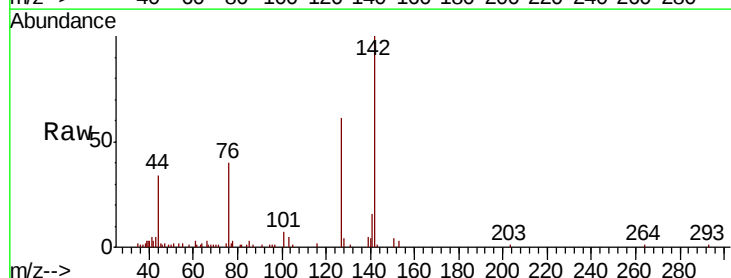
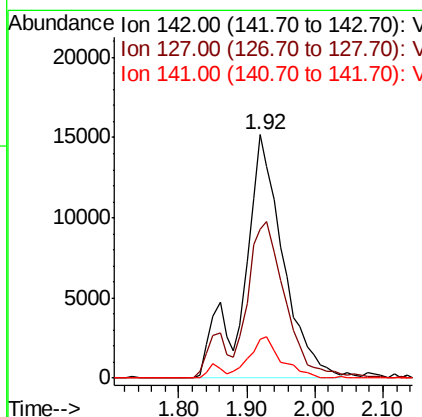
RT: 1.92 min Scan# 131

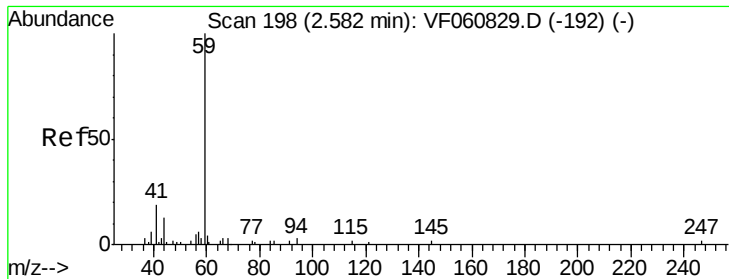
Delta R.T. 0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	142	Resp:	61162
Ion Ratio	Lower	Upper	
142	100		
127	61.1	51.9	77.9
141	16.2	12.7	19.1





#11

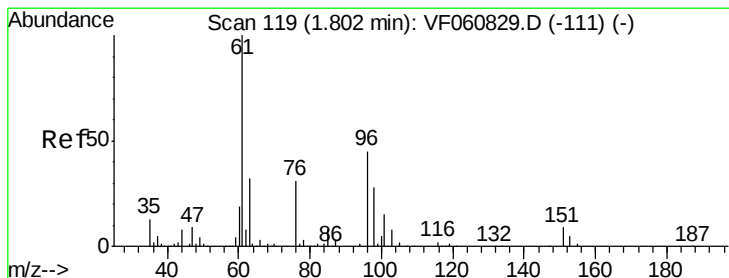
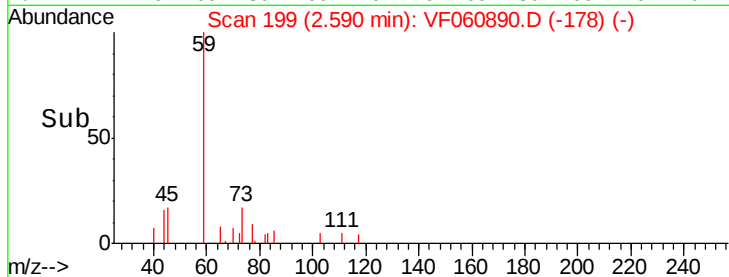
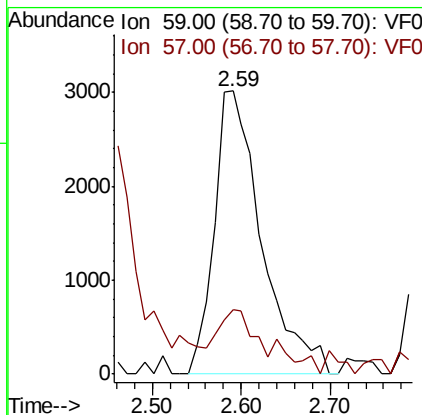
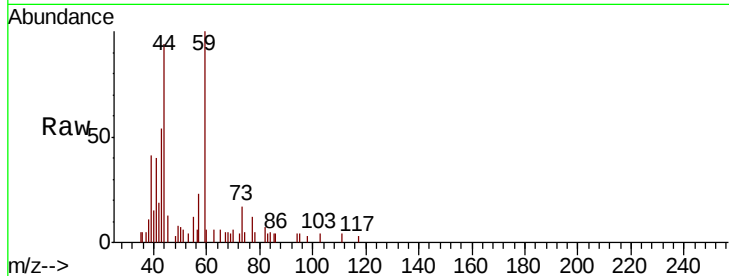
Tert butyl alcohol
 Concen: 125.005 ug/l
 RT: 2.59 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion: 59 Resp: 11193
 Ion Ratio Lower Upper
 59 100
 57 22.7 12.7 19.1#

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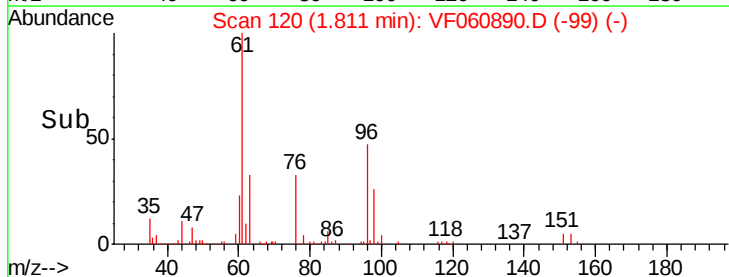
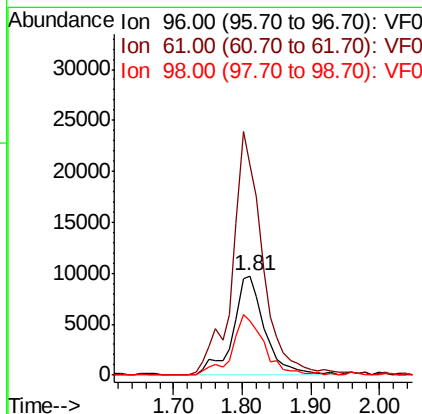
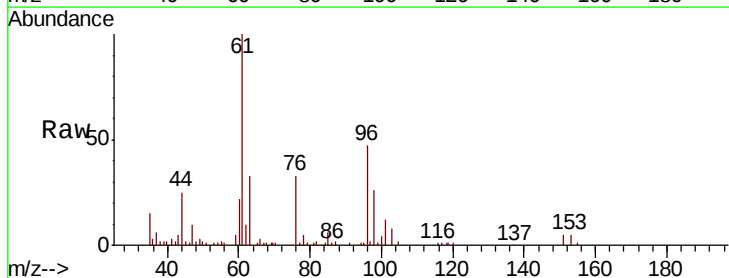
apatel
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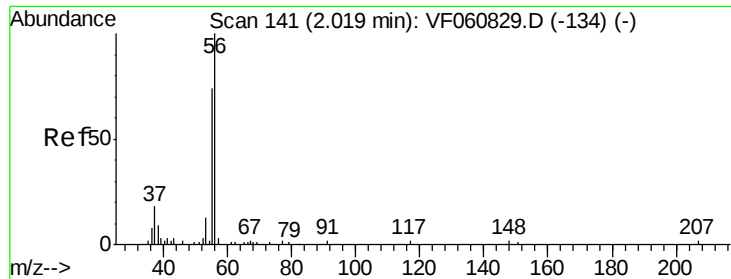


#12

1,1-Dichloroethene
 Concen: 21.311 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Tgt Ion: 96 Resp: 31288
 Ion Ratio Lower Upper
 96 100
 61 212.8 177.3 265.9
 98 54.5 49.6 74.4





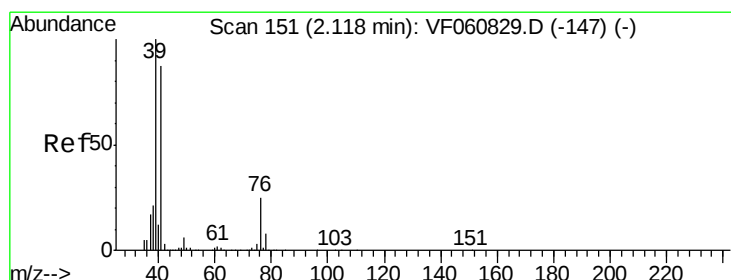
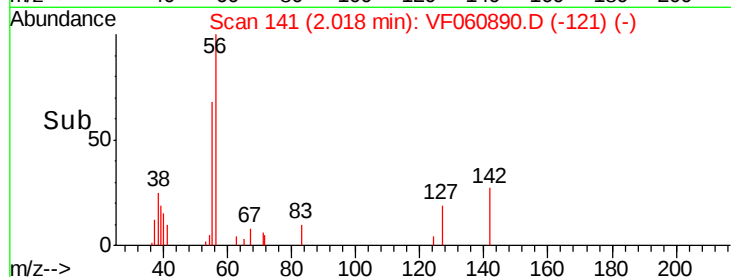
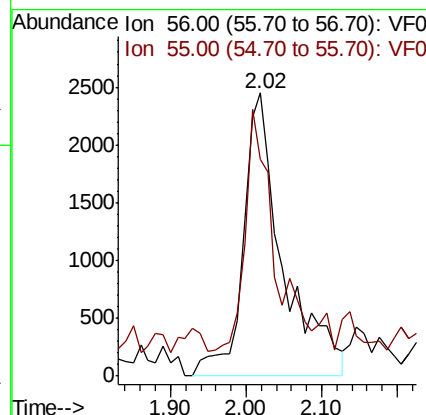
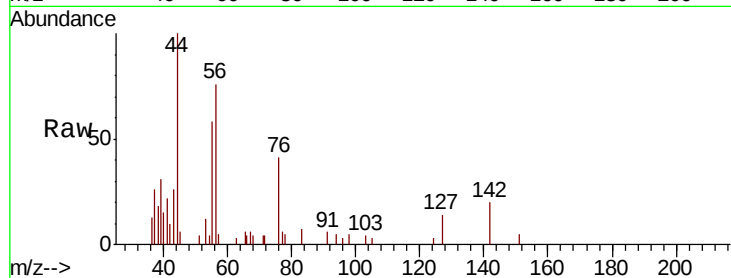
#13
Acrolein
Concen: 104.755 ug/l
RT: 2.02 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	56	Resp	8887
Ion Ratio	100	Lower	Upper
55	76.4	61.2	91.8

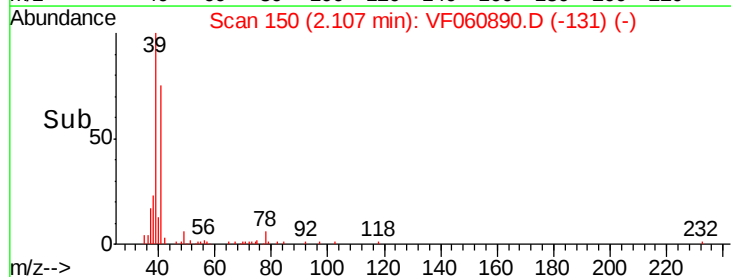
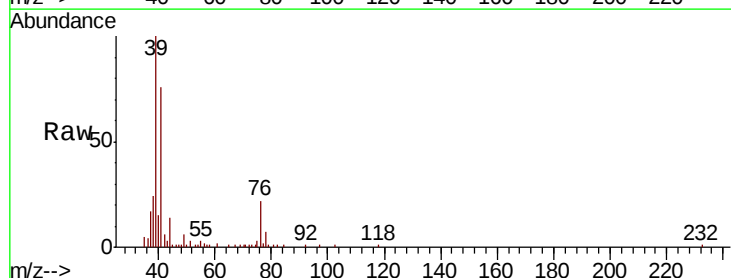
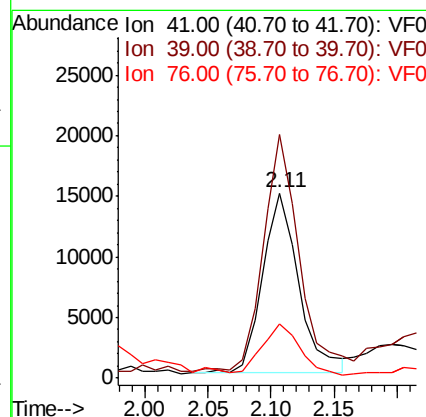
Manual Integrations
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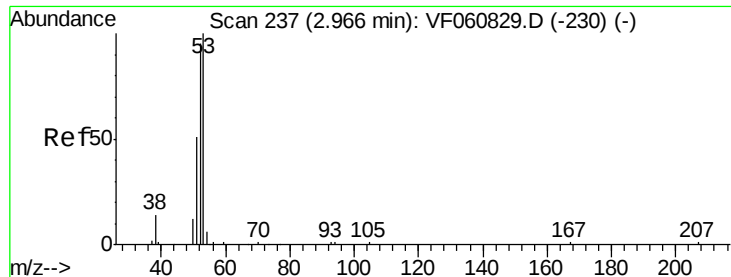
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#14
Allyl chloride
Concen: 16.089 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	41	Resp	29442
Ion Ratio	100	Lower	Upper
39	131.5	91.7	137.5
76	29.3	23.5	35.3





#15

Acrylonitrile

Concen: 118.550 ug/l

RT: 2.97 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

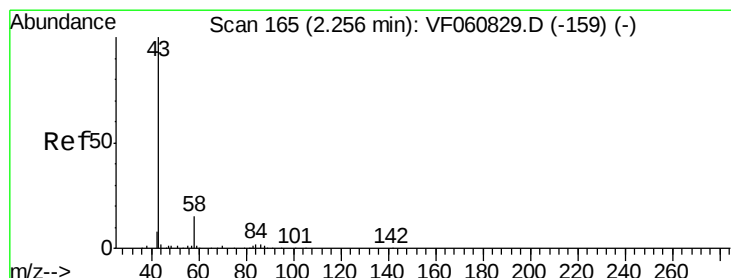
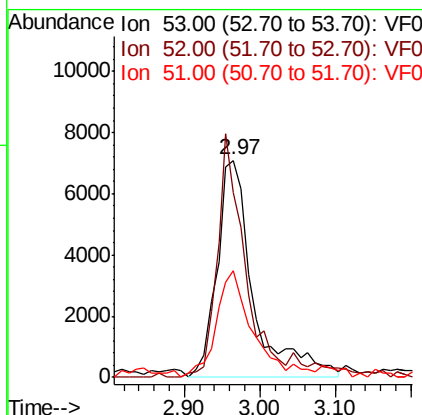
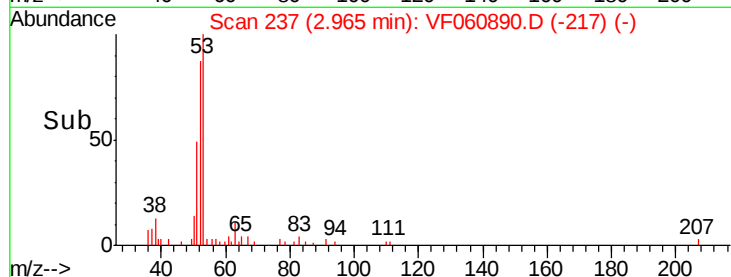
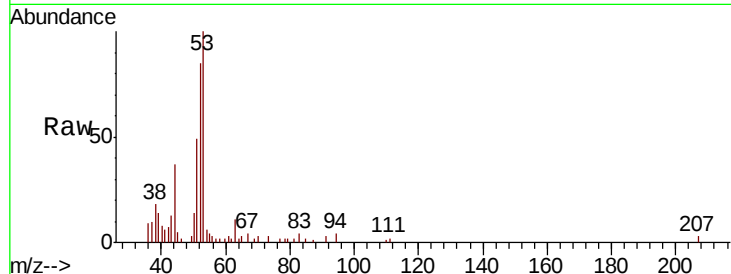
ClientSampleId :

VF1203SBS01

Tot Ion:	53	Resp:	23798
Ion	Ratio	Lower	Upper
53	100		
52	85.2	76.5	114.7
51	48.9	40.7	61.1

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#16

Acetone

Concen: 115.452 ug/l

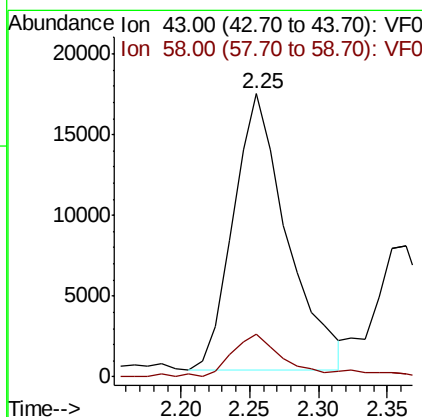
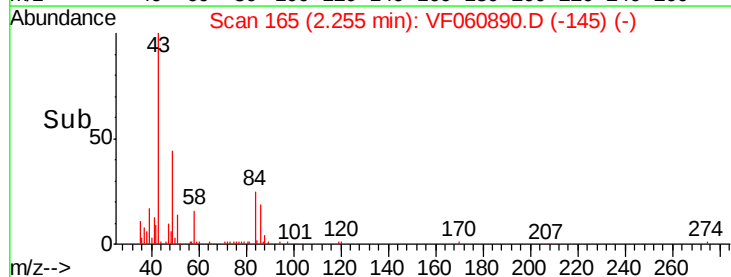
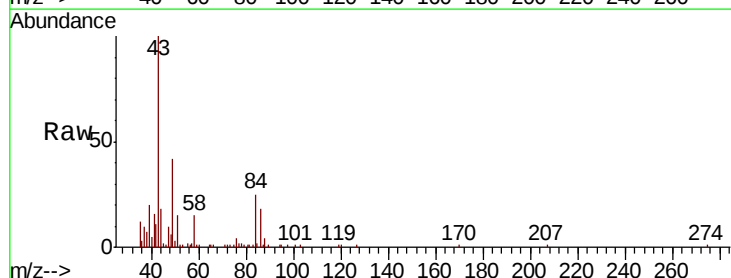
RT: 2.25 min Scan# 165

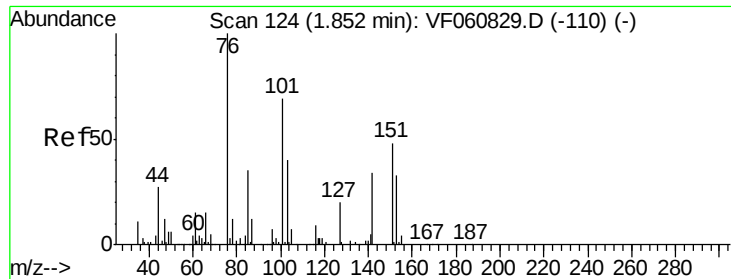
Delta R.T. -0.00 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	43	Resp:	46504
Ion	Ratio	Lower	Upper
43	100		
58	15.0	11.4	17.2





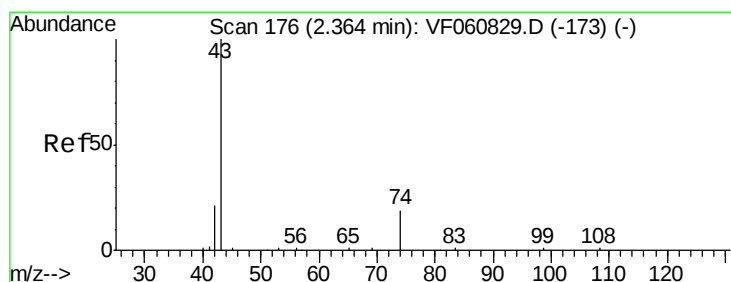
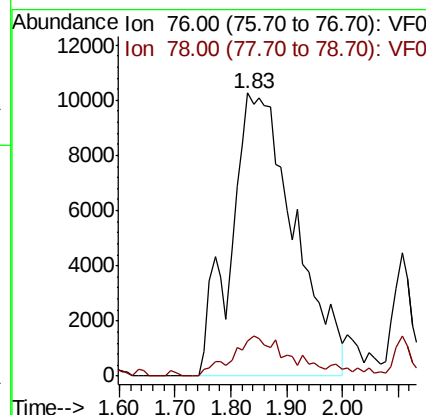
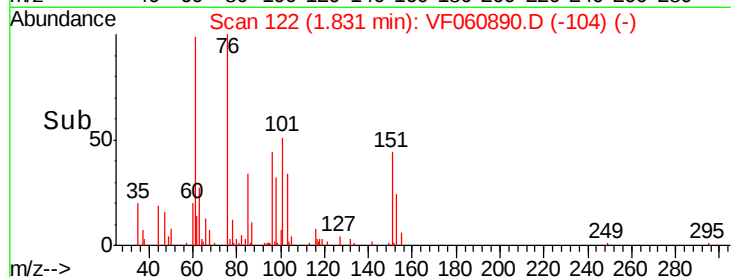
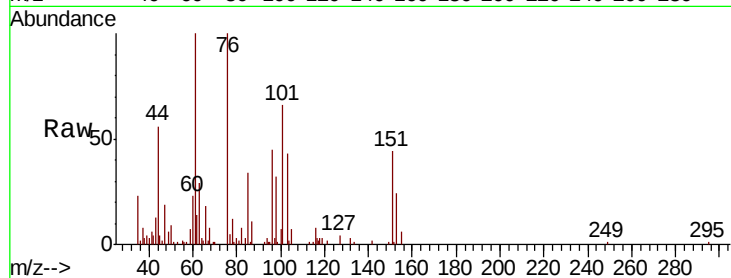
#17
Carbon Disulfide
Concen: 20.640 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 76 Resp: 81252
Ion Ratio Lower Upper
76 100
78 12.2 10.2 15.2

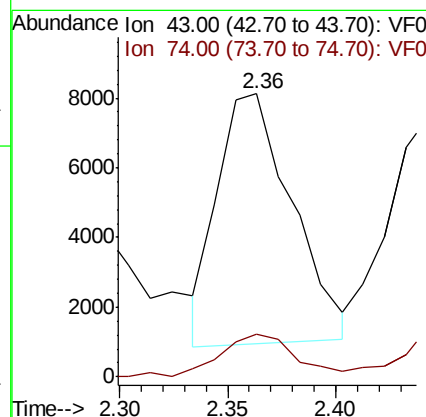
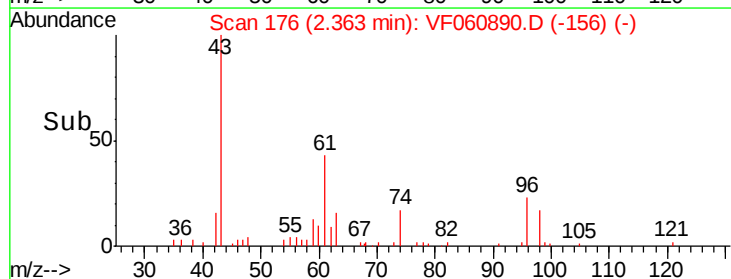
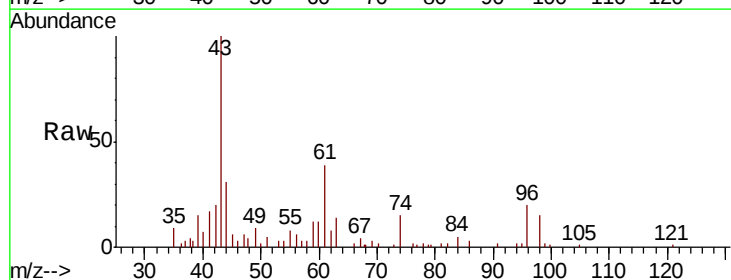
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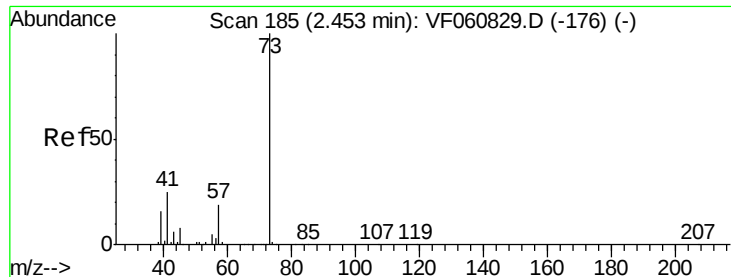
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#18
Methyl Acetate
Concen: 24.619 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion: 43 Resp: 17203
Ion Ratio Lower Upper
43 100
74 15.0 13.3 19.9





#19

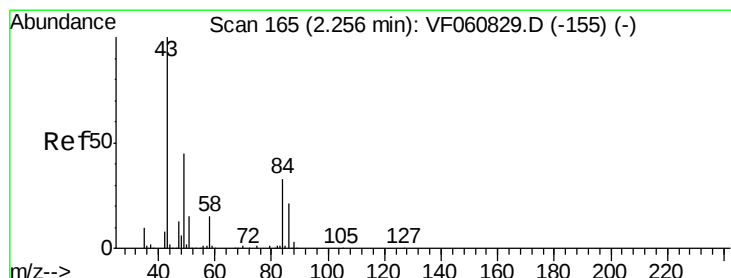
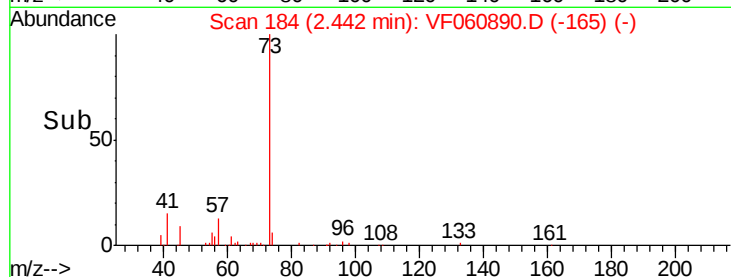
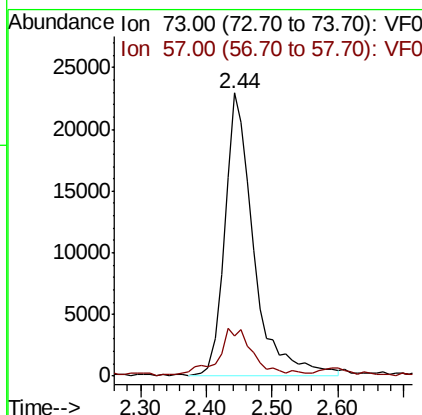
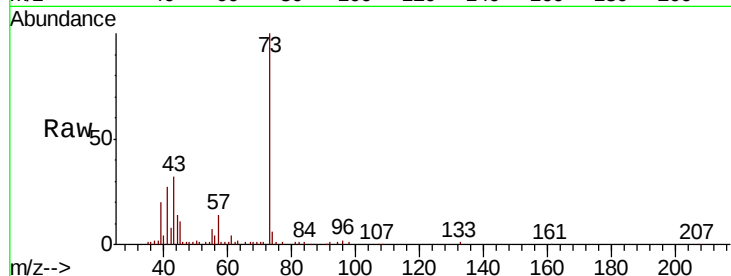
Methyl tert-butyl Ether
 Concen: 21.362 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1203SBS01

Tot Ion: 73 Resp: 70640
 Ion Ratio Lower Upper
 73 100
 57 14.1 15.3 22.9#

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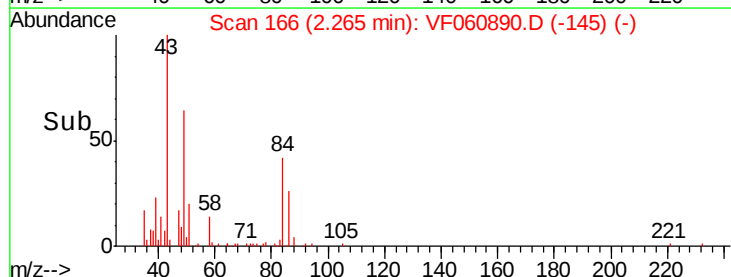
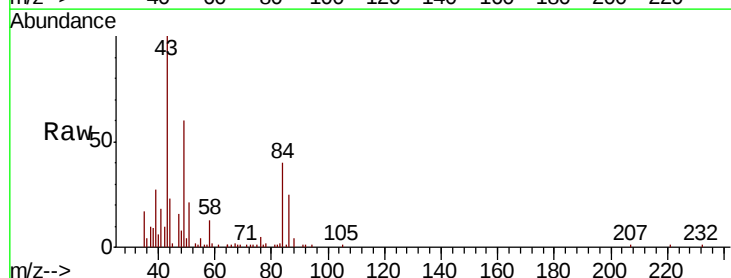
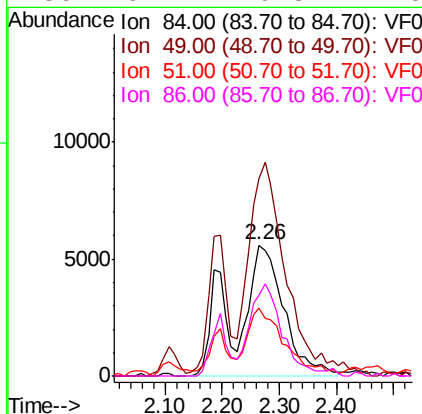
apatel
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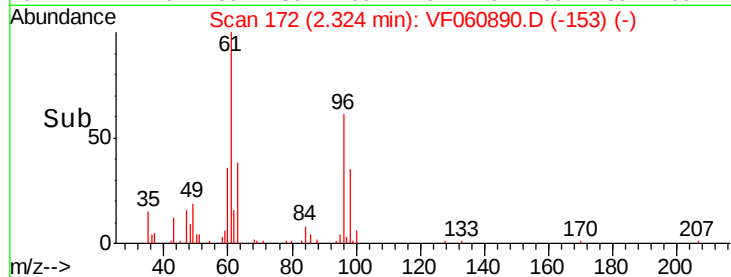
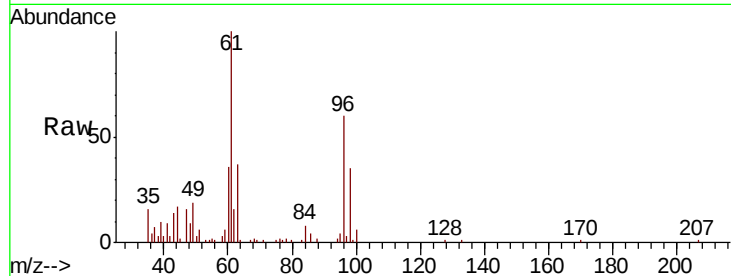
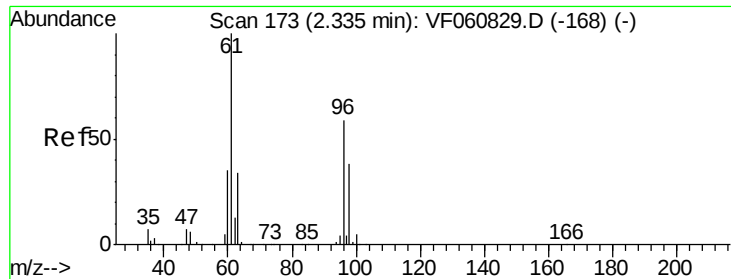


#20

Methylene Chloride
 Concen: 22.401 ug/l m
 RT: 2.26 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Tgt Ion: 84 Resp: 33102
 Ion Ratio Lower Upper
 84 100
 49 150.3 111.3 166.9
 51 51.6 38.0 57.0
 86 61.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.689 ug/l m

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060890.D

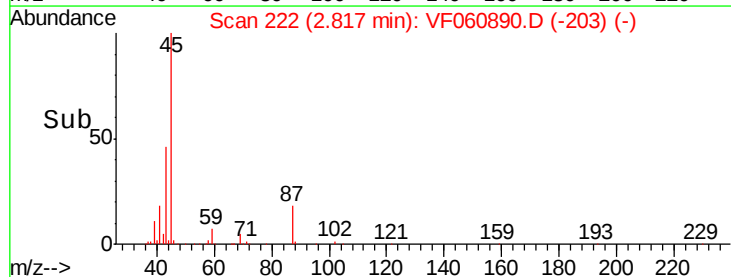
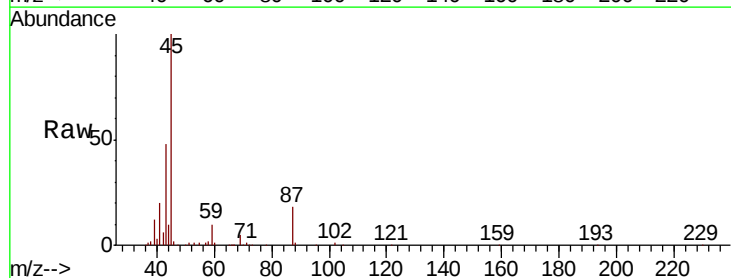
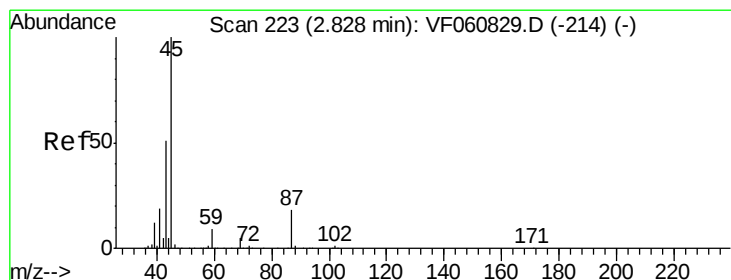
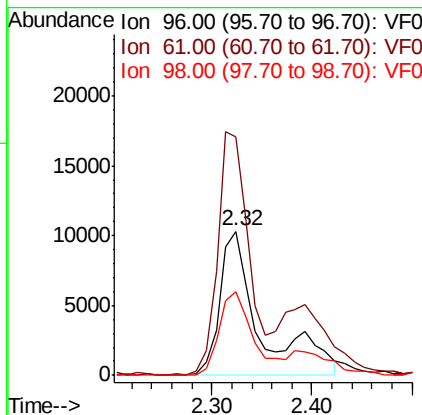
Acq: 3 Dec 2018 14:35

Tot Ion:	96	Resp:	29284
Ion	Ratio	Lower	Upper
96	100		
61	166.0	134.5	201.7
98	57.9	51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.379 ug/l

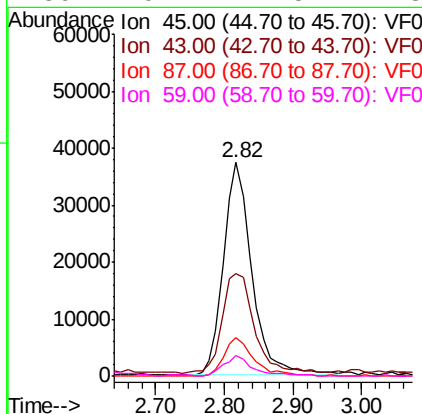
RT: 2.82 min Scan# 222

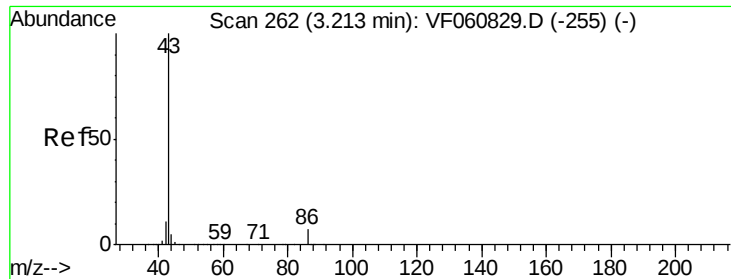
Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	45	Resp:	106490
Ion	Ratio	Lower	Upper
45	100		
43	48.2	41.0	61.6
87	17.7	14.6	22.0
59	9.7	7.5	11.3





#23

Vinyl Acetate

Concen: 117.908 ug/l

RT: 3.21 min Scan# 262

Delta R.T. -0.00 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 43 Resp: 268465

Ion Ratio Lower Upper

43 100

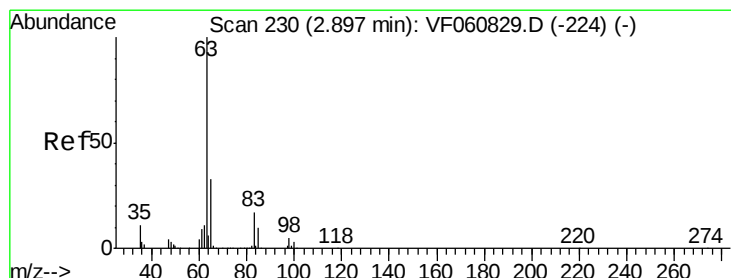
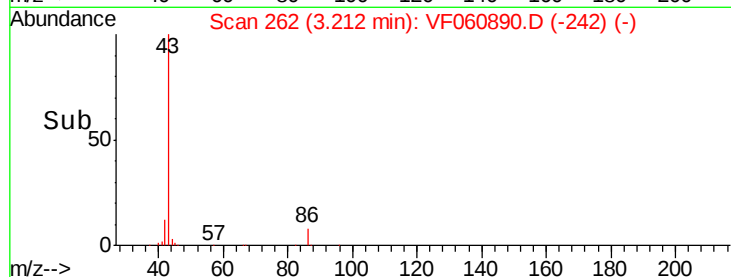
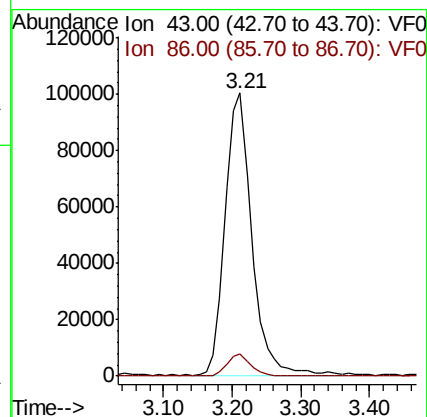
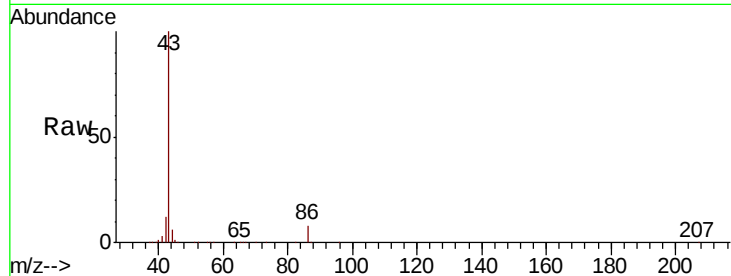
86 8.1 5.4 8.0#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.999 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

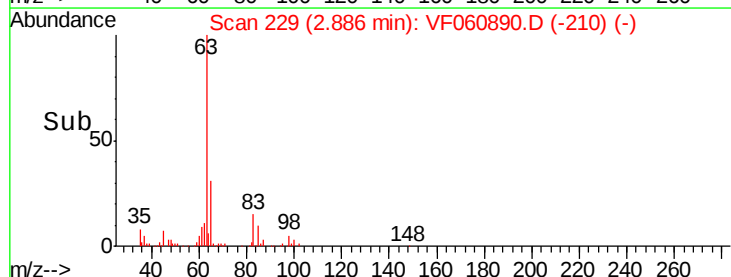
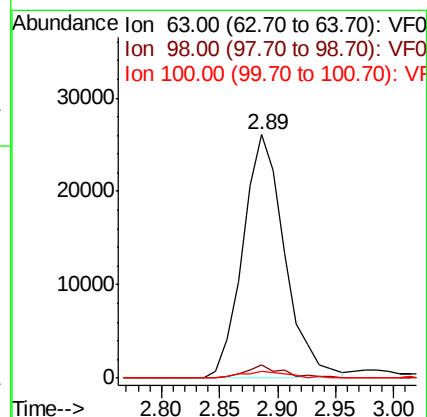
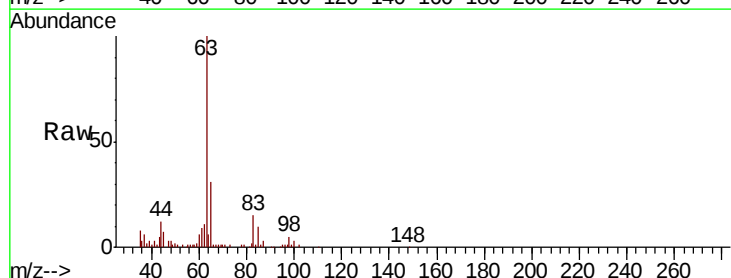
Tgt Ion: 63 Resp: 65194

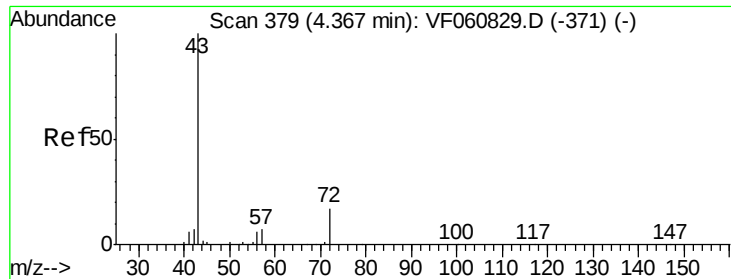
Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 2.8 1.5 4.5





#25

2-Butanone

Concen: 121.259 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 43 Resp: 84481

Ion Ratio Lower Upper

43 100

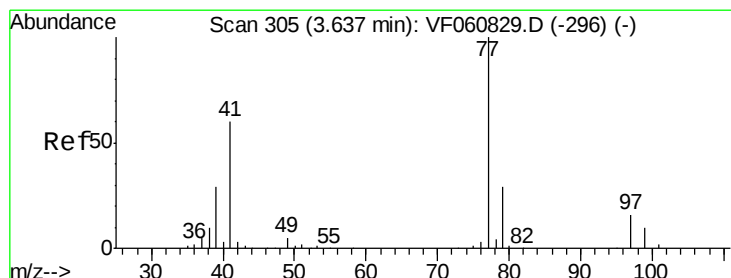
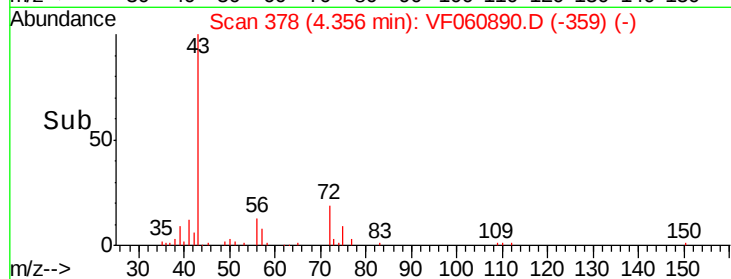
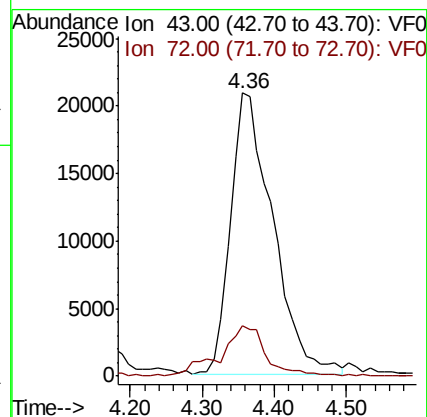
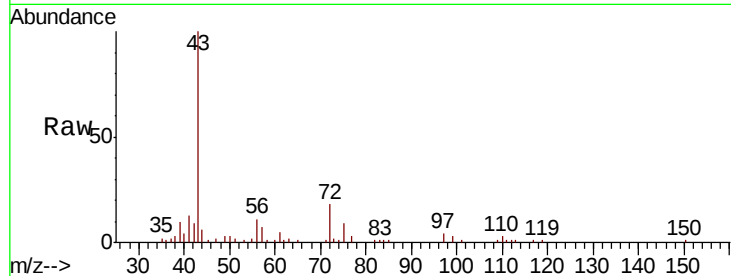
72 17.9 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.503 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060890.D

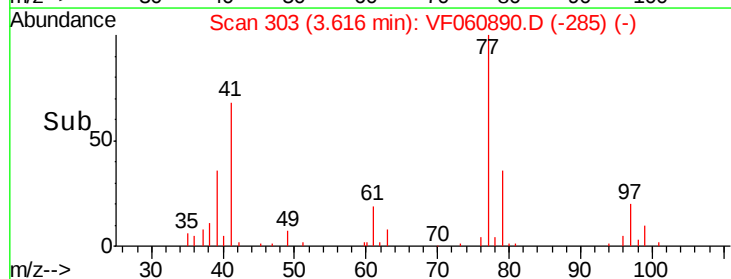
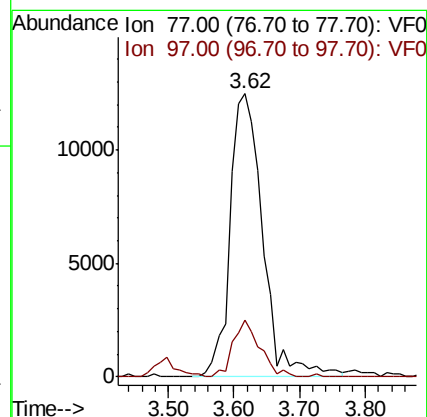
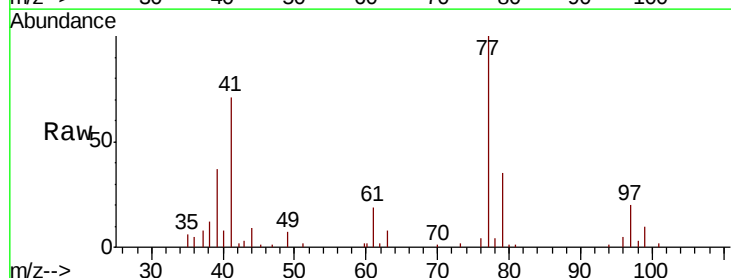
Acq: 3 Dec 2018 14:35

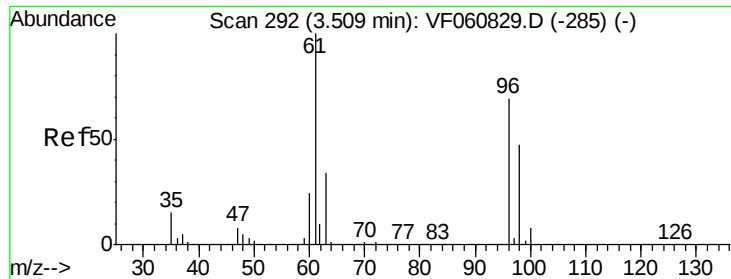
Tgt Ion: 77 Resp: 43235

Ion Ratio Lower Upper

77 100

97 20.1 8.6 25.8





#27

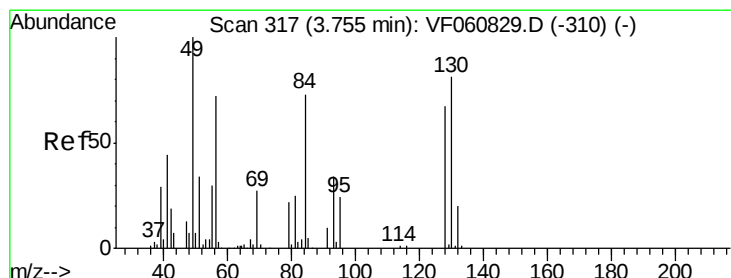
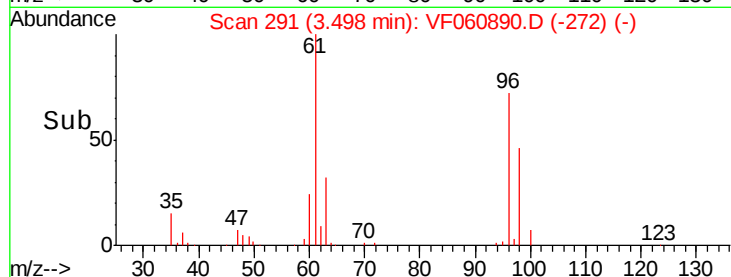
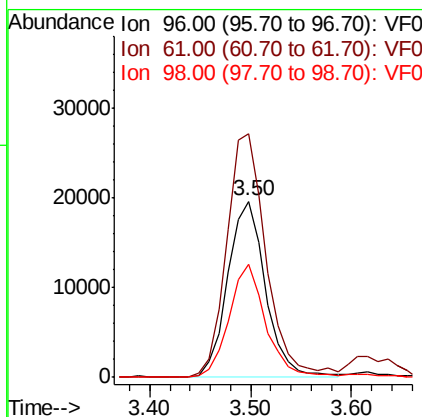
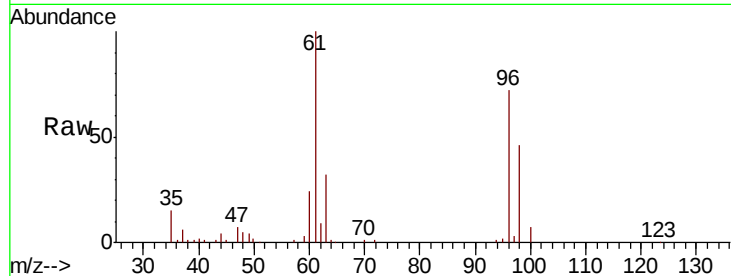
cis-1,2-Dichloroethene
Concen: 22.329 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampled :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	51453		
61	138.2	0.0	290.6	
98	64.1	0.0	137.8	

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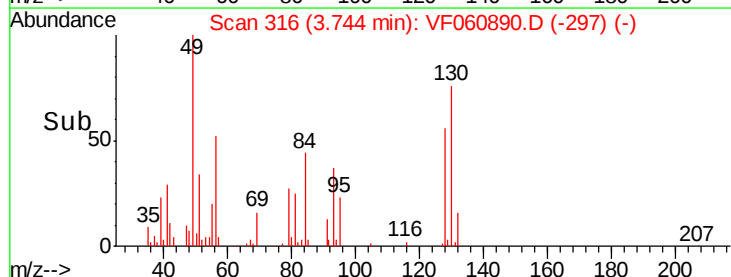
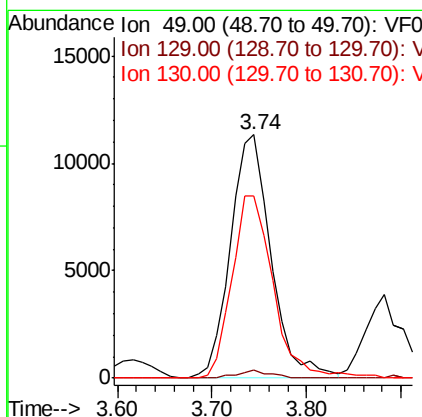
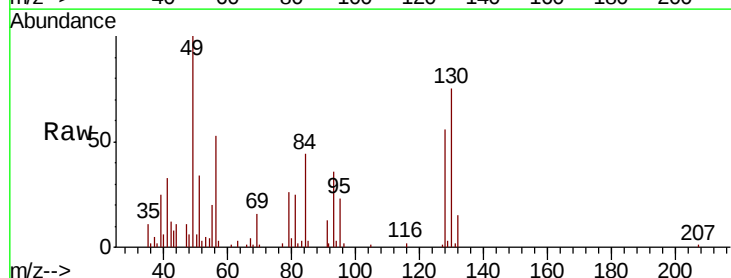
apatel
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#28

Bromochloromethane
Concen: 23.661 ug/l
RT: 3.74 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33652		
129	3.1	0.0	4.4	
130	74.7	64.2	96.4	





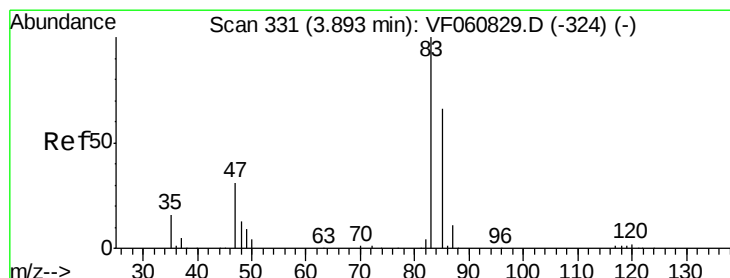
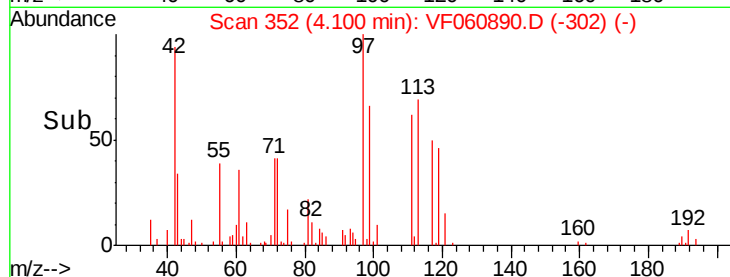
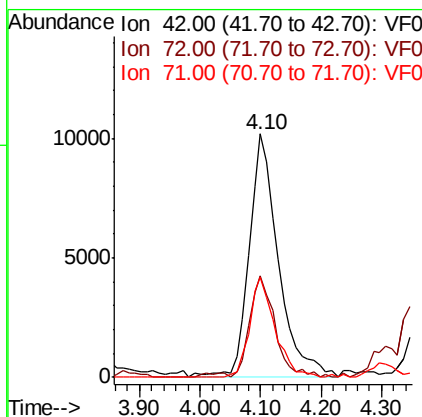
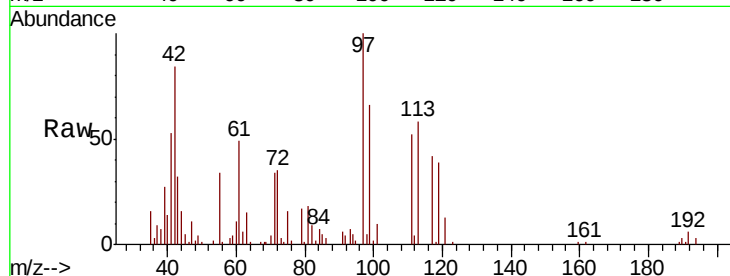
#29
Tetrahydrofuran
Concen: 116.490 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	31.9	47.9
71	35.6	28.7	43.1

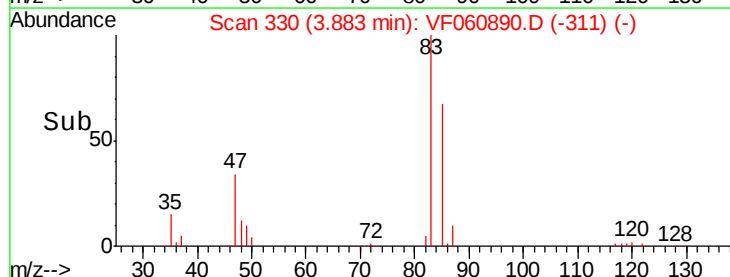
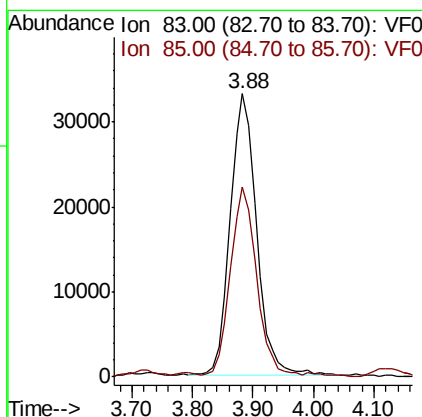
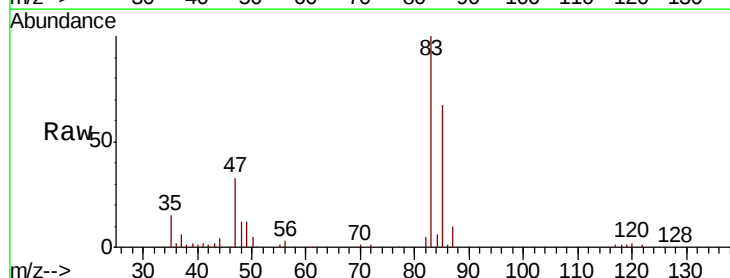
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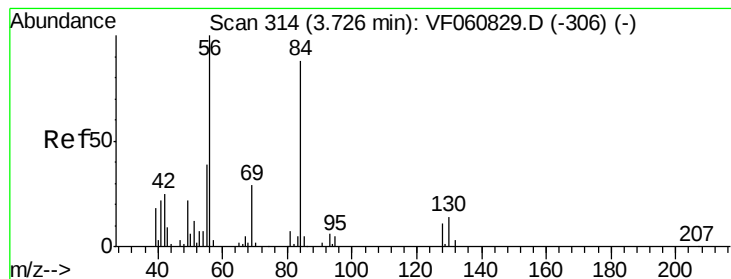
apatel
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#30
Chloroform
Concen: 21.970 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.4	80.2





#31

Cyclohexane

Concen: 22.196 ug/l m

RT: 3.70 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

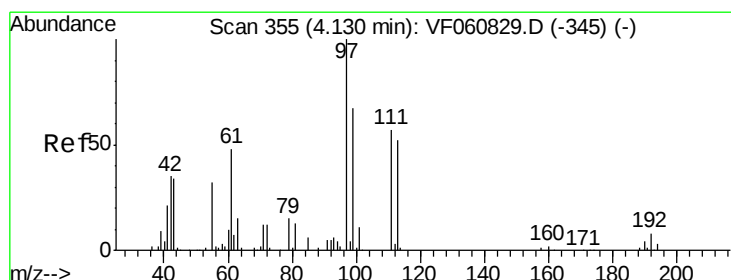
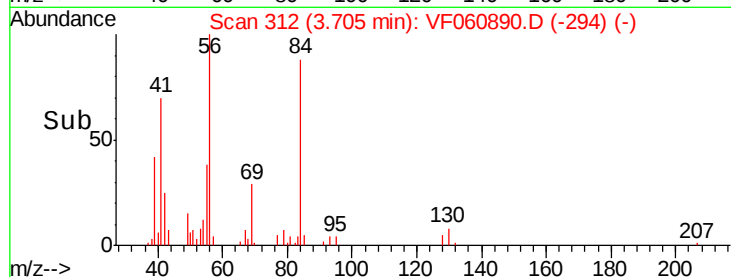
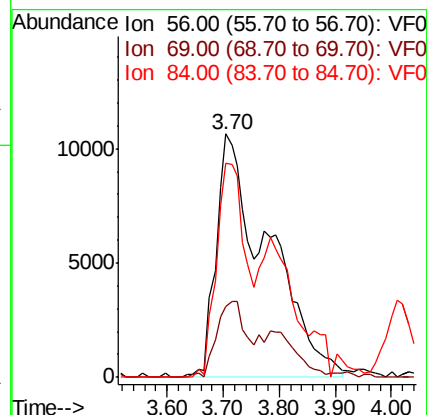
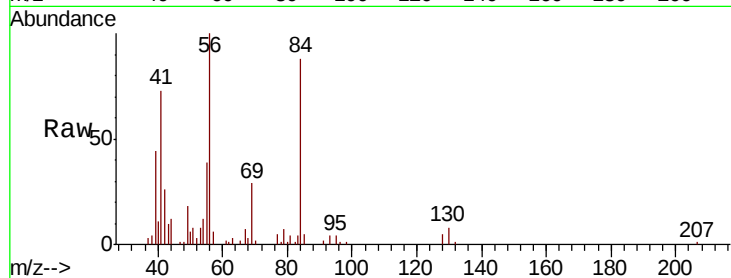
ClientSampleId :

VF1203SBS01

Tot Ion:	56	Resp:	68267
Ion Ratio	Lower	Upper	
56	100		
69	29.0	23.0	34.4
84	87.8	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 18.929 ug/l

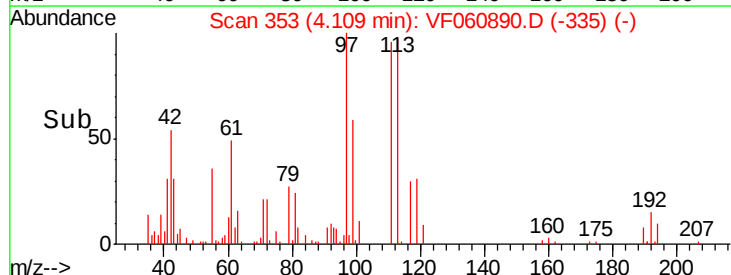
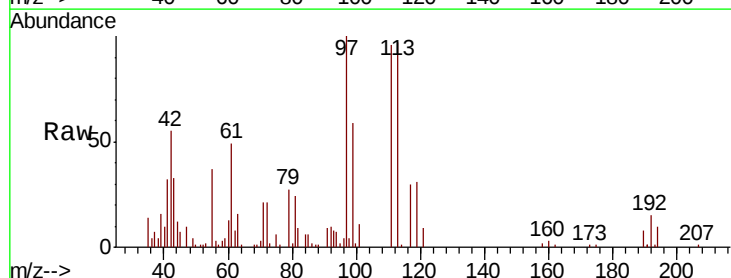
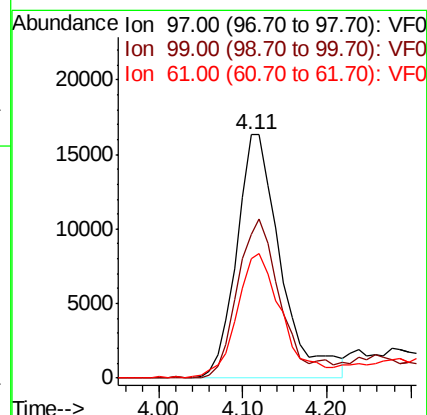
RT: 4.11 min Scan# 353

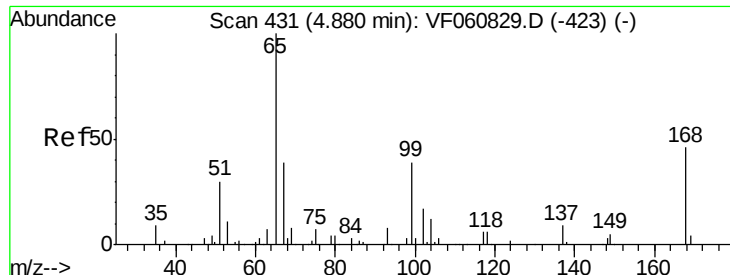
Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	97	Resp:	59875
Ion Ratio	Lower	Upper	
97	100		
99	58.8	53.5	80.3
61	48.9	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 58.045 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 65 Resp: 126789

Ion Ratio Lower Upper

65 100

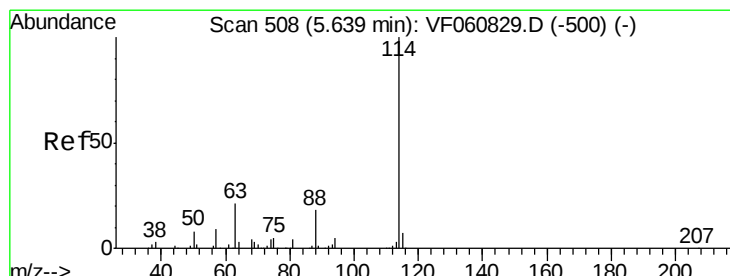
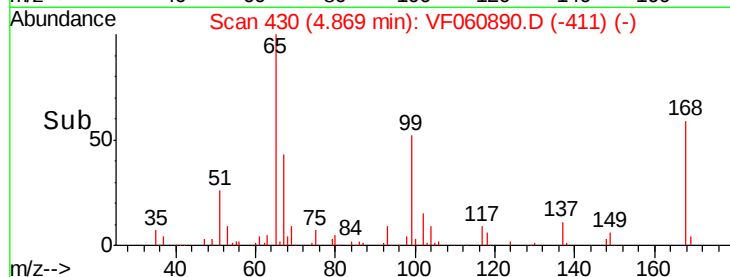
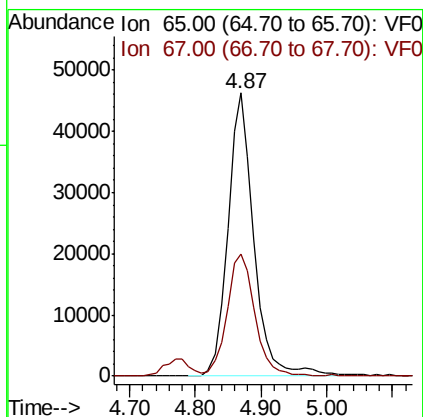
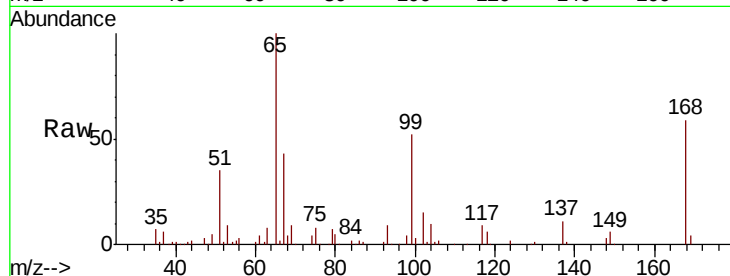
67 43.1 0.0 96.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

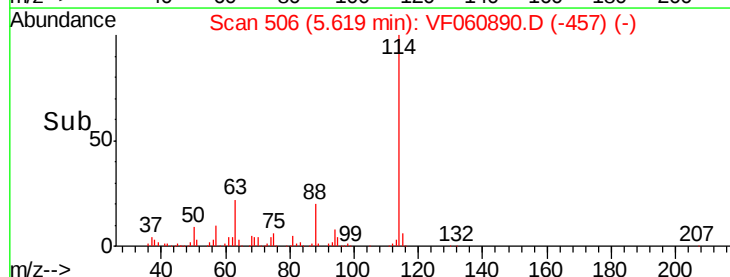
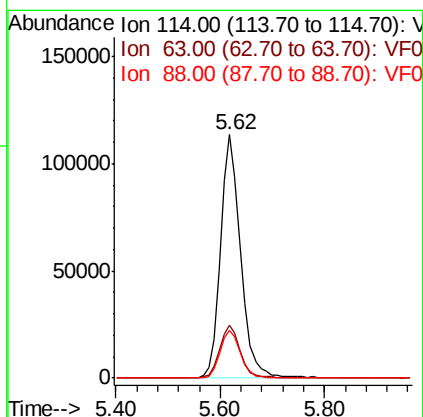
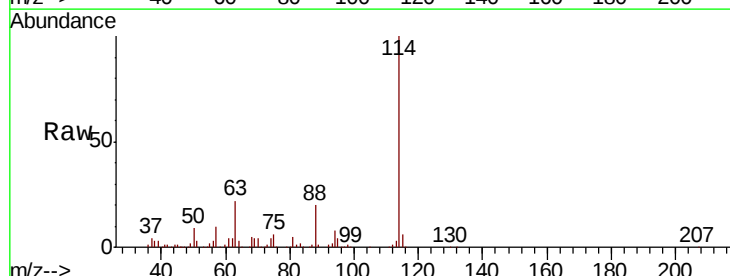
Tgt Ion: 114 Resp: 302892

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.6

88 19.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 53.558 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

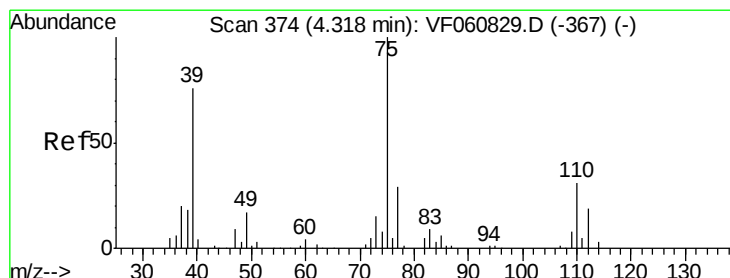
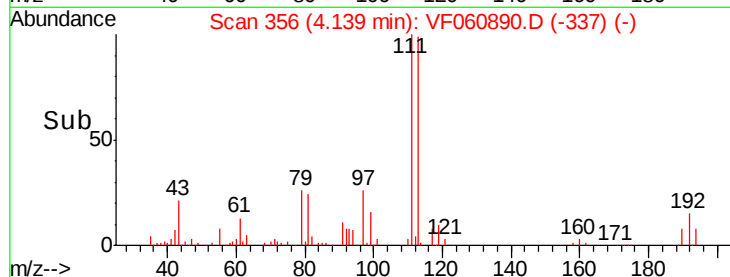
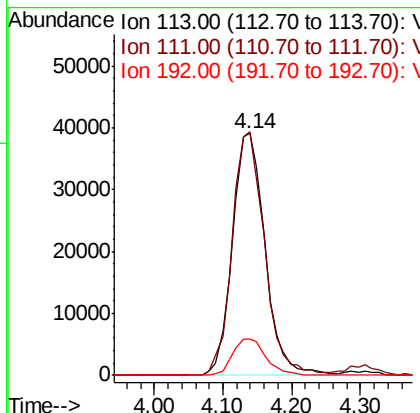
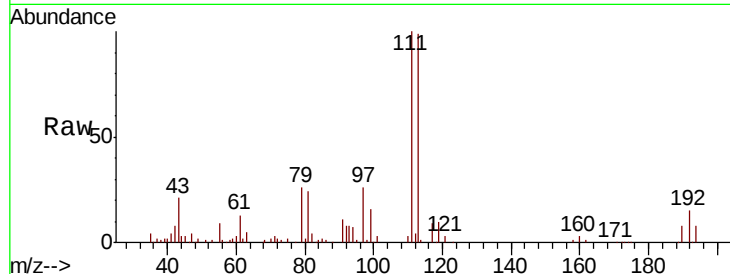
ClientSampleId :

VF1203SBS01

Tot Ion:	113	Resp:	128696
Ion Ratio	Lower	Upper	
113	100		
111	100.6	83.0	124.6
192	15.1	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.360 ug/l

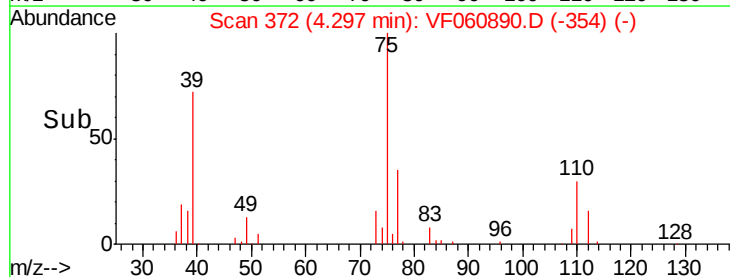
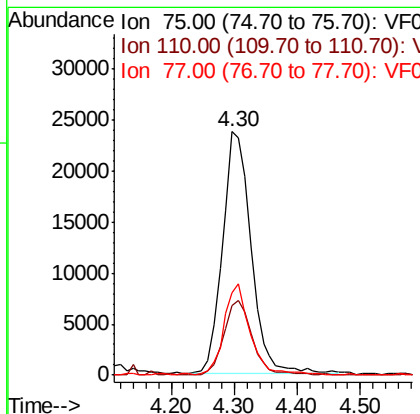
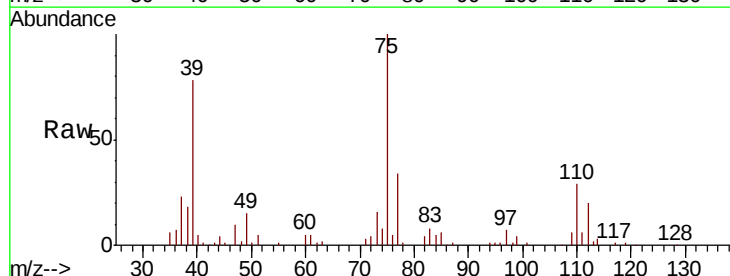
RT: 4.30 min Scan# 372

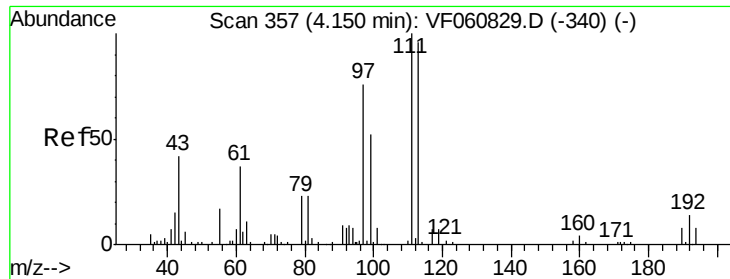
Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	75	Resp:	75121
Ion Ratio	Lower	Upper	
75	100		
110	28.6	15.6	46.8
77	33.6	23.4	35.0





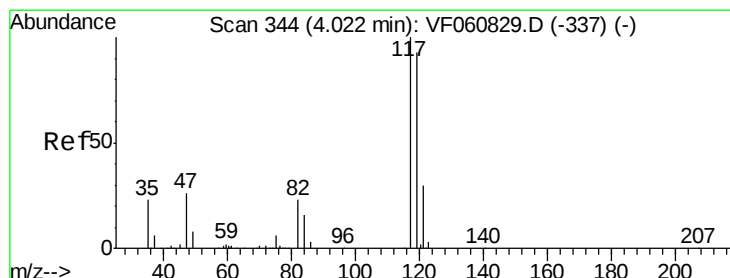
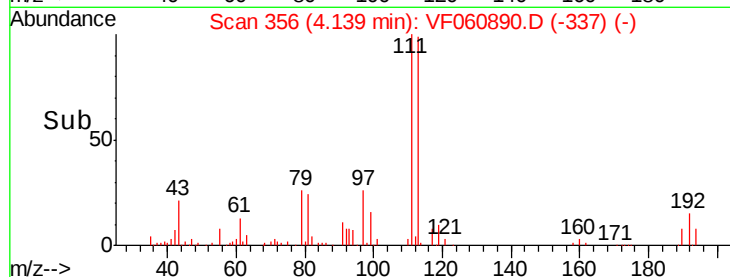
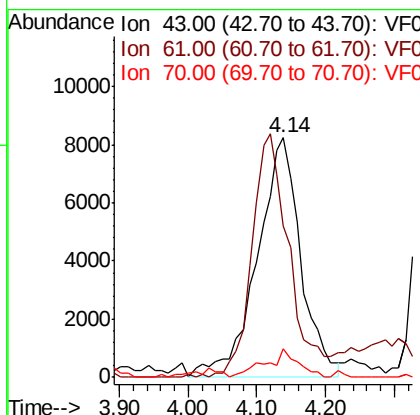
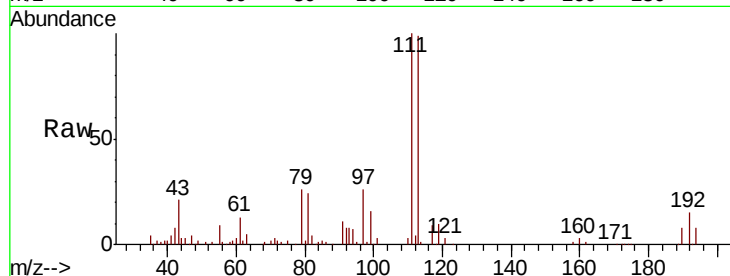
#37
Ethyl Acetate
Concen: 26.566 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	43	61	70
Resp	36269		
Ratio	100	63.0	11.7
Lower		68.6	9.0
Upper		103.0	13.4

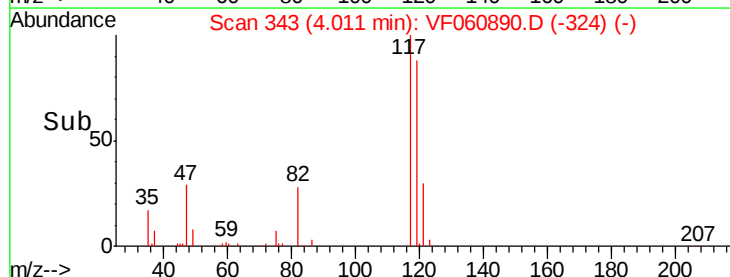
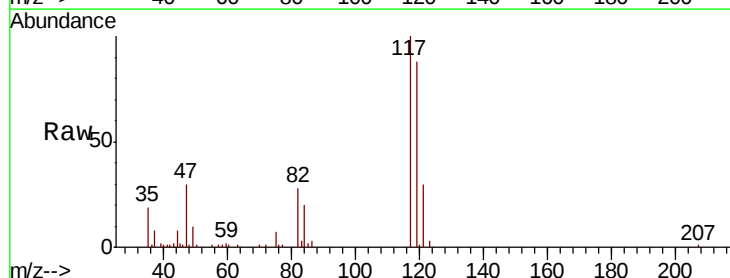
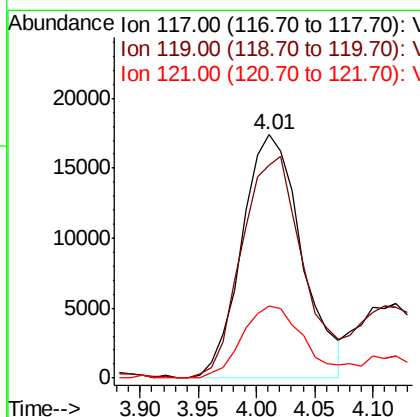
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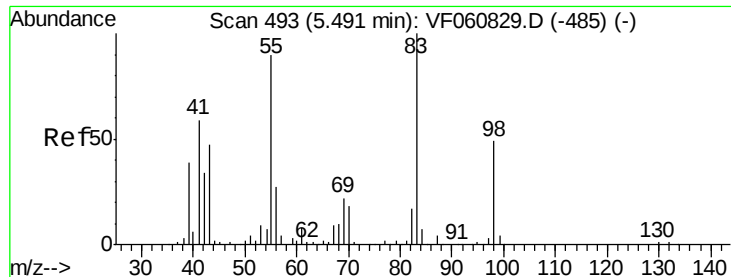
apatel
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#38
Carbon Tetrachloride
Concen: 20.910 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	117	119	121
Resp	62046		
Ratio	100	87.7	29.7
Lower		74.4	23.5
Upper		111.6	35.3





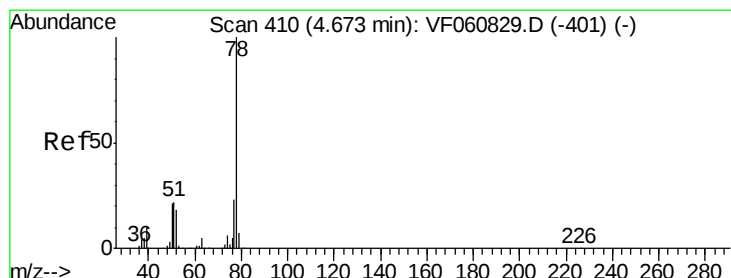
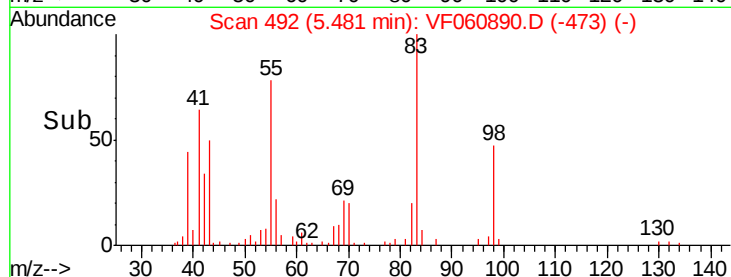
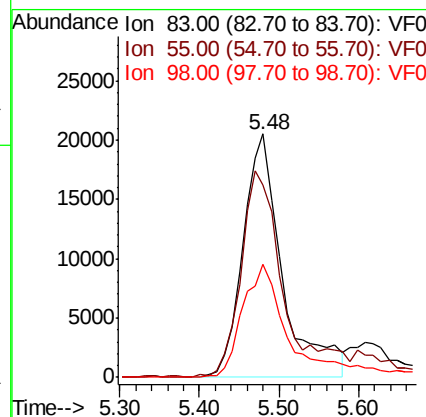
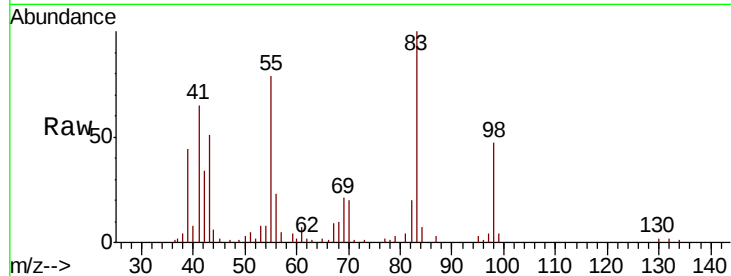
#39
Methvlcvclohexane
Concen: 20.017 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	83	Resp	70475
Ion Ratio	Lower	Upper	
83	100		
55	79.0	72.1	108.1
98	46.7	39.1	58.7

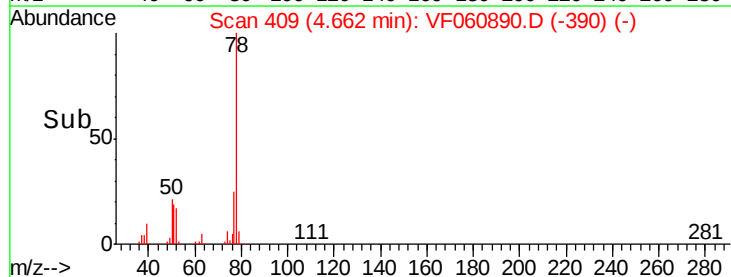
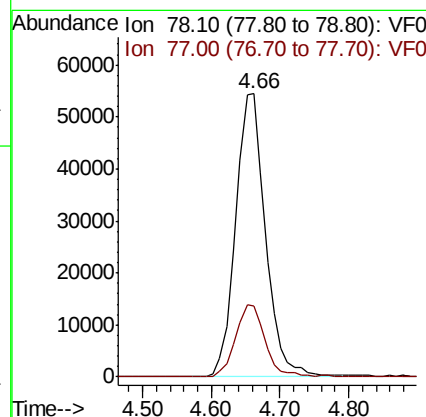
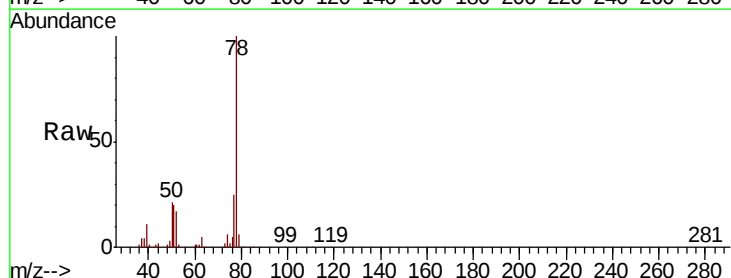
Manual Integrations
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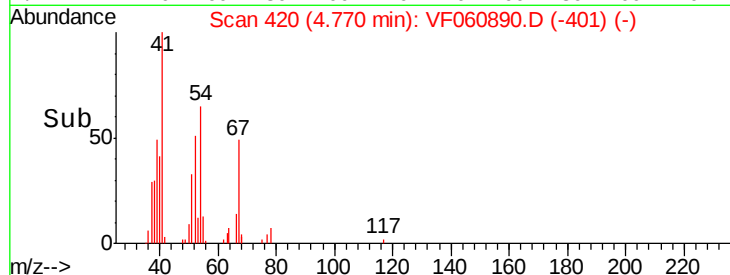
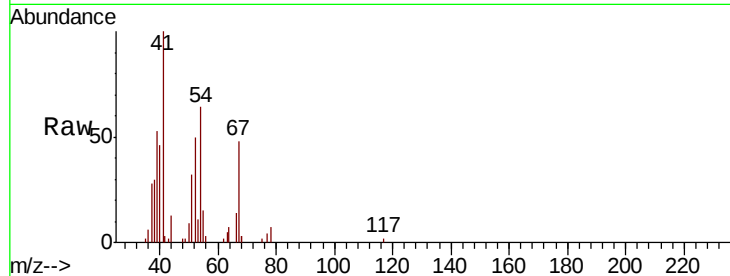
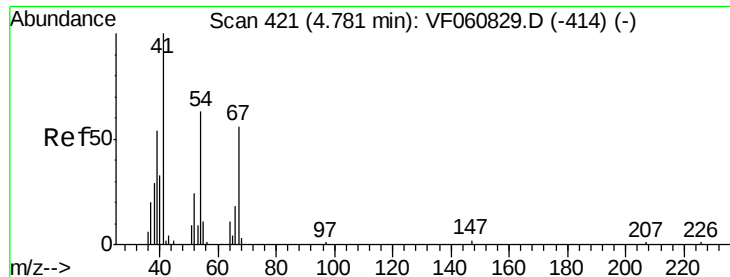
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#40
Benzene
Concen: 22.073 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	78	Resp	163826
Ion Ratio	Lower	Upper	
78	100		
77	25.2	18.7	28.1





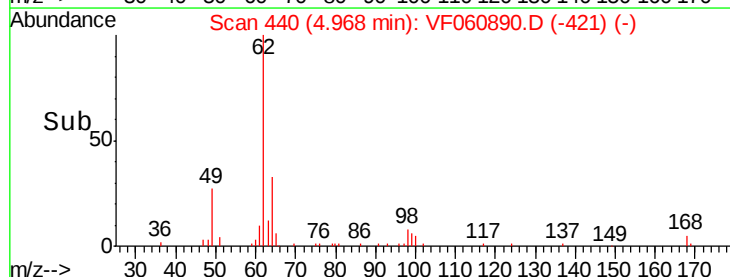
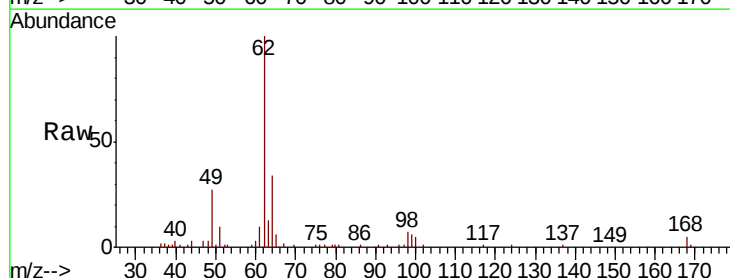
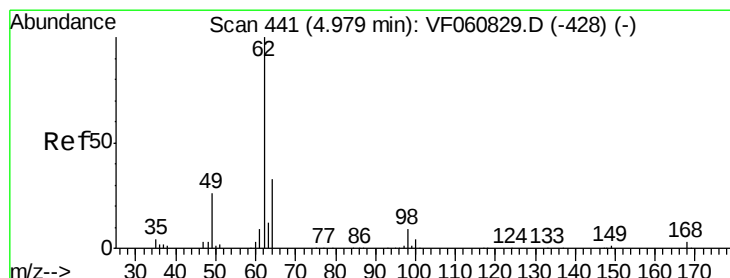
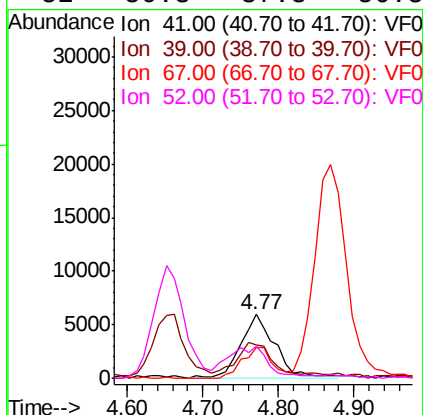
#41
Methacrylonitrile
Concen: 24.677 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tot Ion	41	Resp	18832
Ion Ratio	Lower	Upper	
41	100		
39	53.2	53.0	79.6
67	47.6	43.8	65.6
52	50.3	37.8	56.8

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

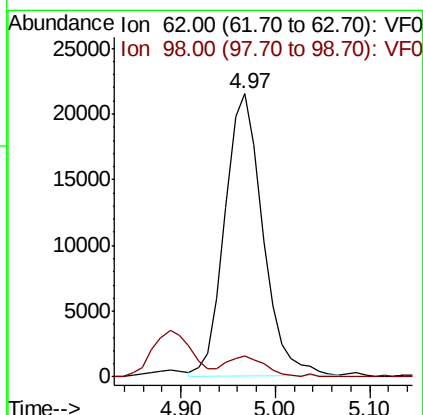
Manual Integrations
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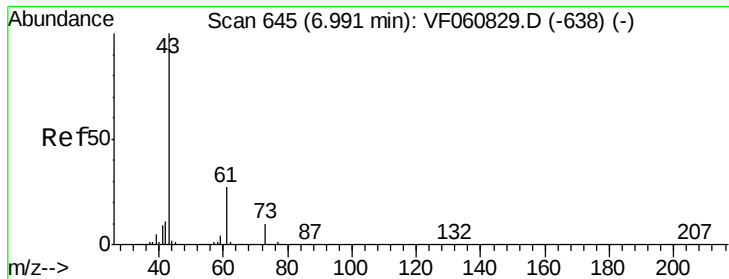
apatel
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#42
1,2-Dichloroethane
Concen: 22.033 ug/l
RT: 4.97 min Scan# 440
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	62	Resp	59702
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	17.2





#43

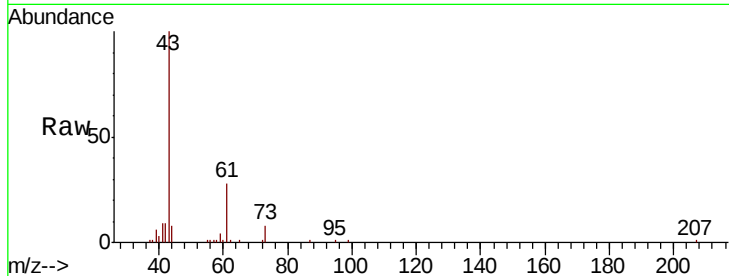
Isopropyl Acetate
 Concen: 20.122 ug/l
 RT: 6.99 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.4	32.0
87	0.8	0.2	0.4

Manual Integrations
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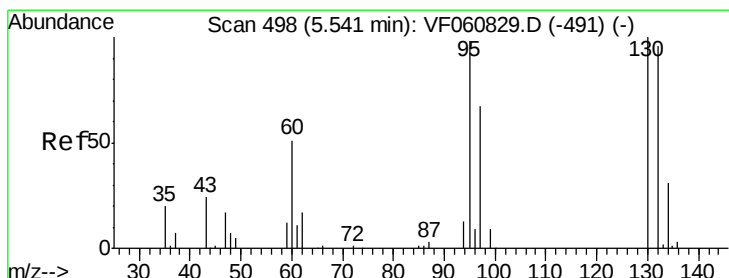
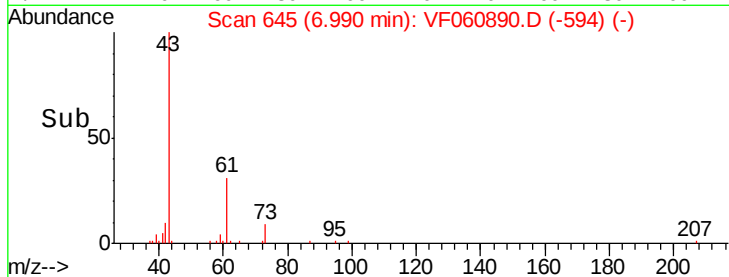
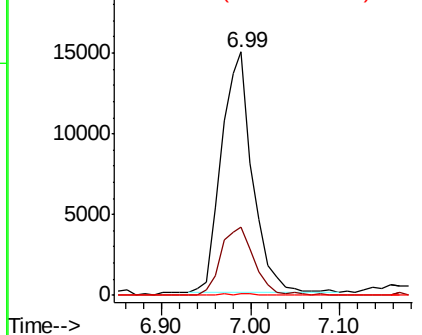


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

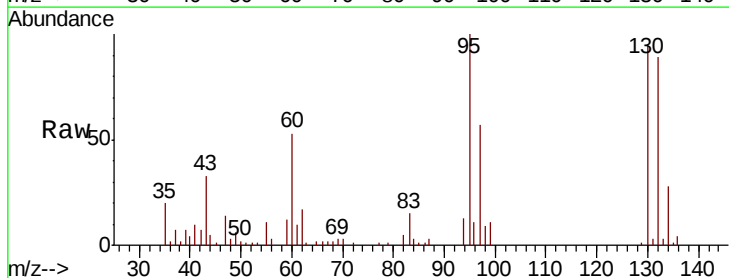
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene
 Concen: 21.819 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

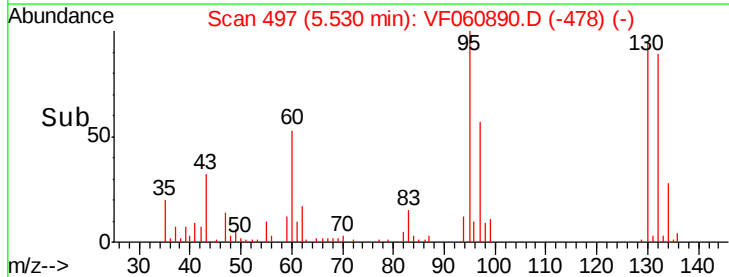
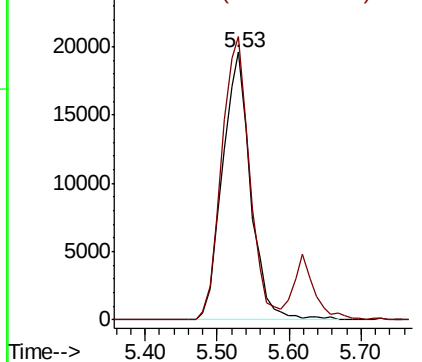
Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	195.6

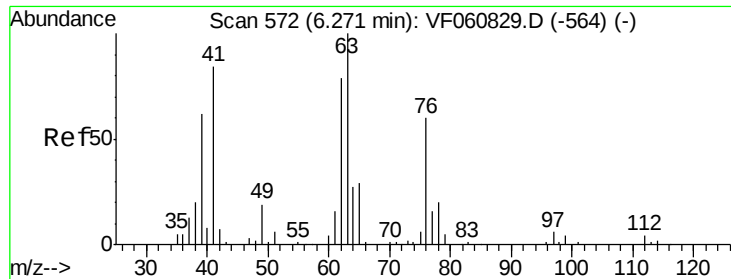


Abundance

Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.446 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 63 Resp: 39411

Ion Ratio Lower Upper

63 100

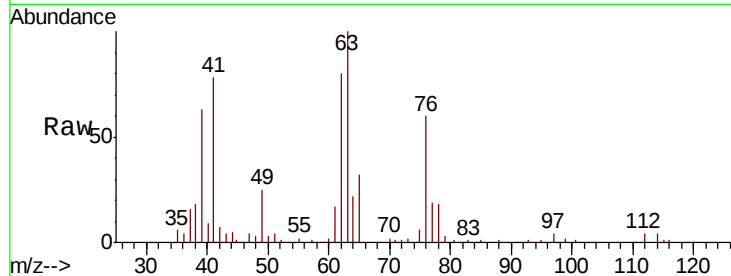
65 32.0 23.2 34.8

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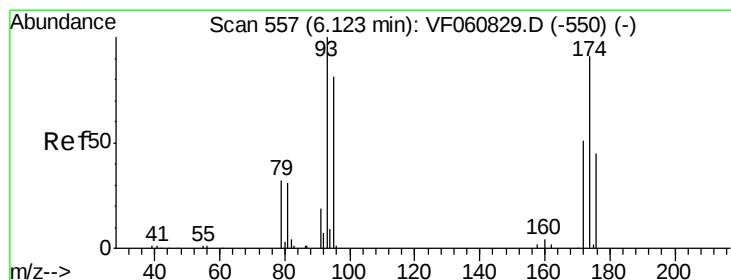
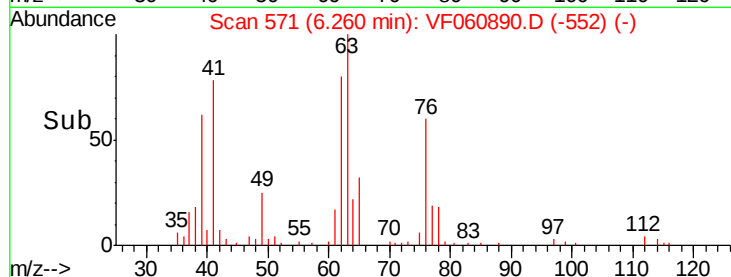
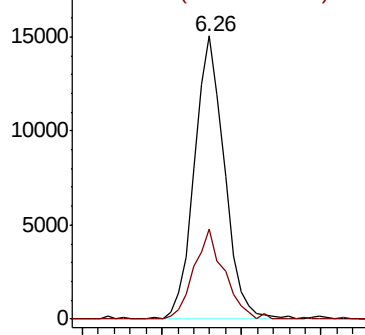
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.142 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

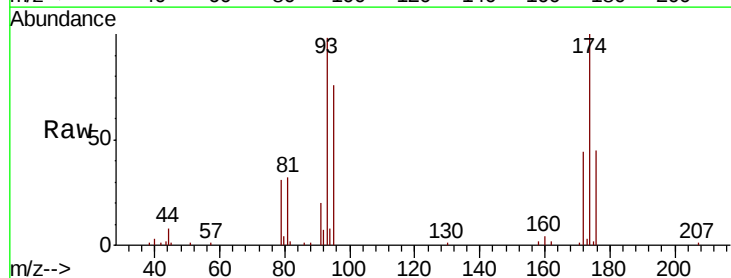
Tgt Ion: 93 Resp: 27645

Ion Ratio Lower Upper

93 100

95 77.3 64.7 97.1

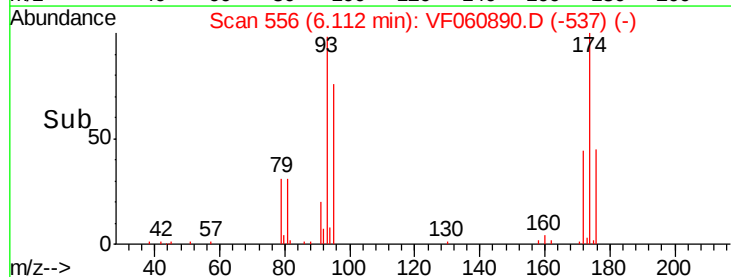
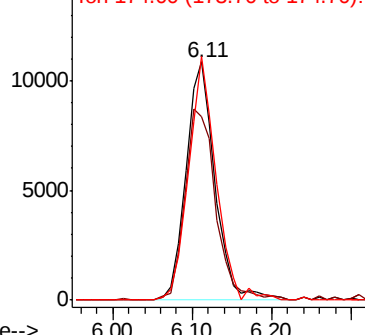
174 102.4 73.0 109.6

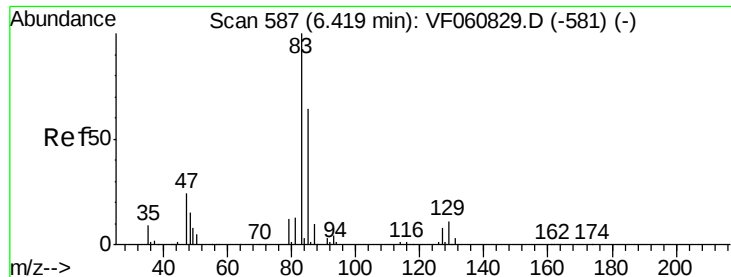


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.227 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

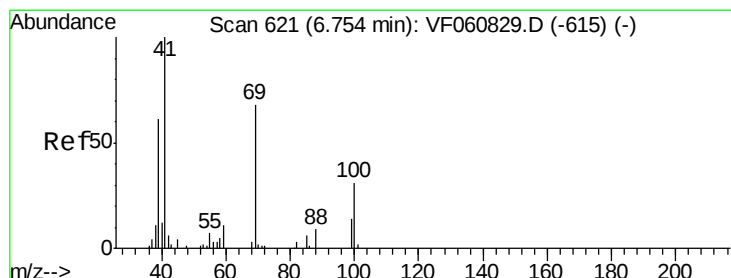
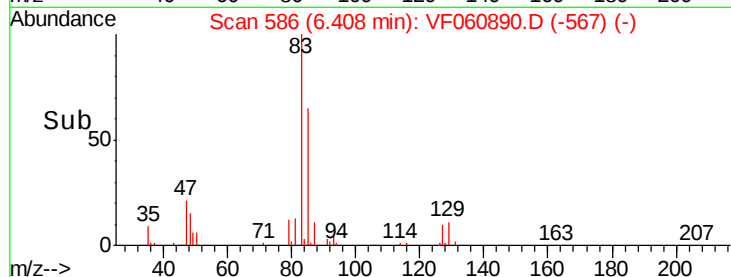
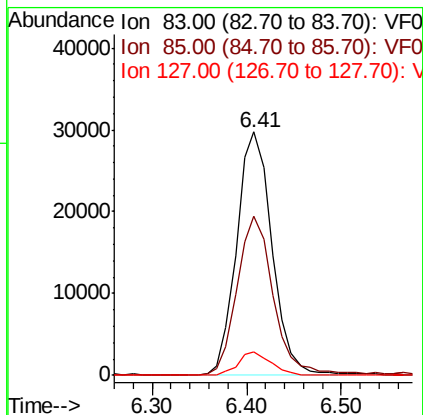
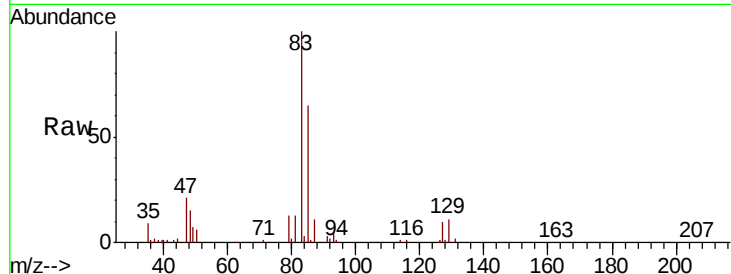
ClientSampleId :

VF1203SBS01

Tot Ion:	83	Resp:	77196
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7
127	9.7	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.631 ug/l

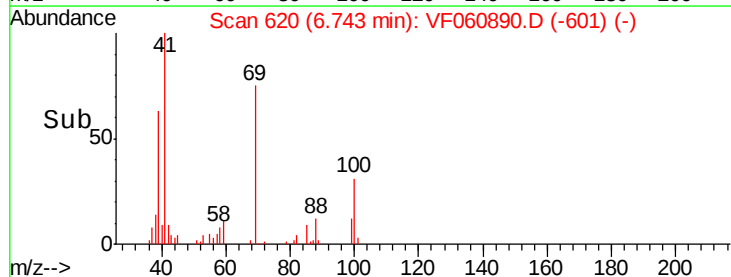
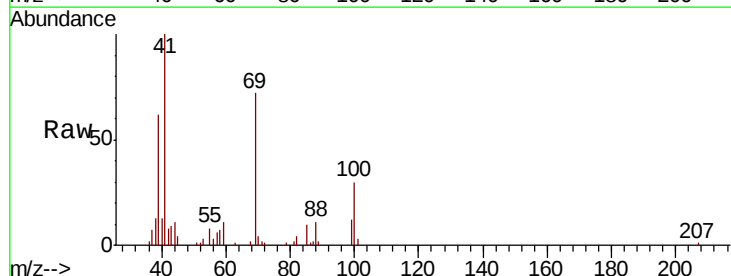
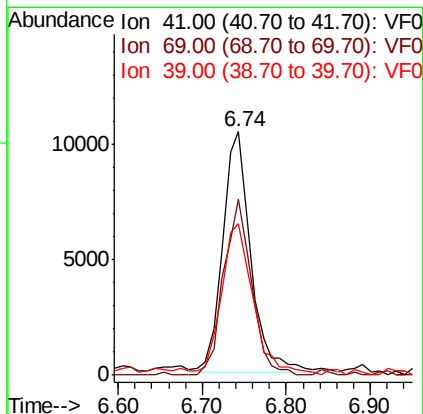
RT: 6.74 min Scan# 620

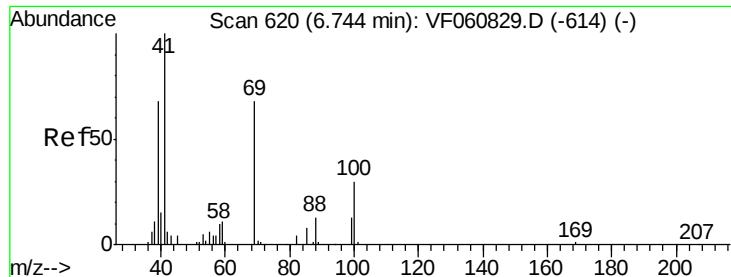
Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	41	Resp:	24260
Ion	Ratio	Lower	Upper
41	100		
69	72.3	53.9	80.9
39	62.1	49.0	73.6





#49

1,4-Dioxane

Concen: 451.333 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

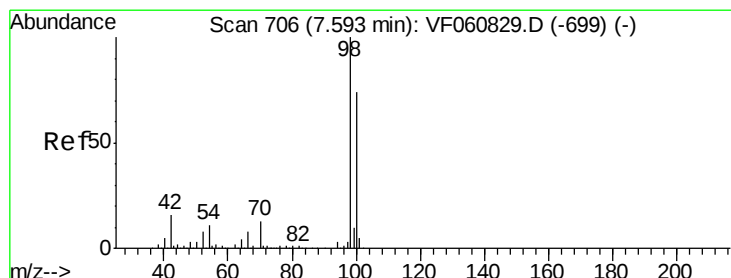
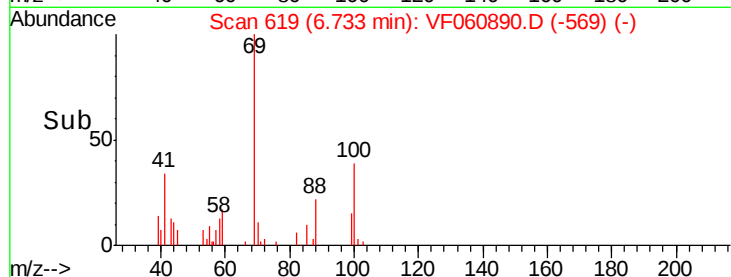
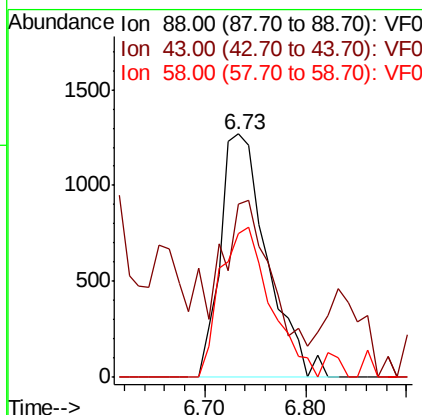
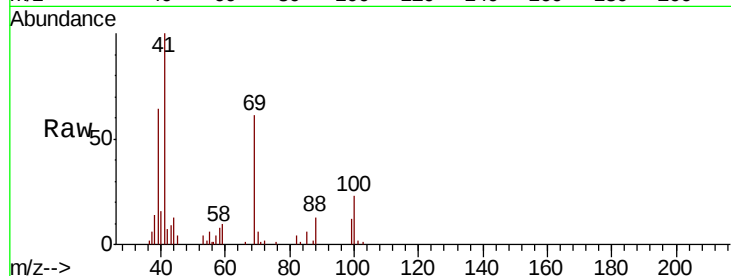
ClientSampleId :

VF1203SBSD01

Tot Ion:	88	Resp:	4082
Ion Ratio	Lower	Upper	
88	100		
43	71.1	42.0	63.0#
58	59.2	61.8	92.8#

Manual Integrations
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#50

Toluene-d8

Concen: 50.680 ug/l

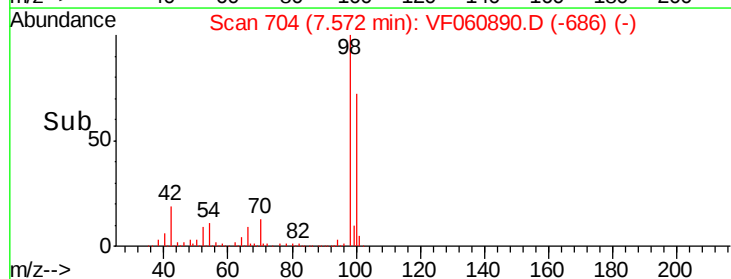
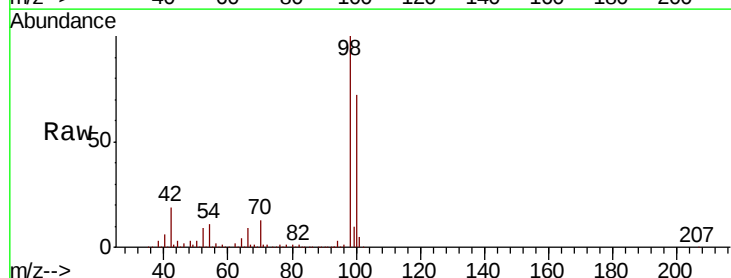
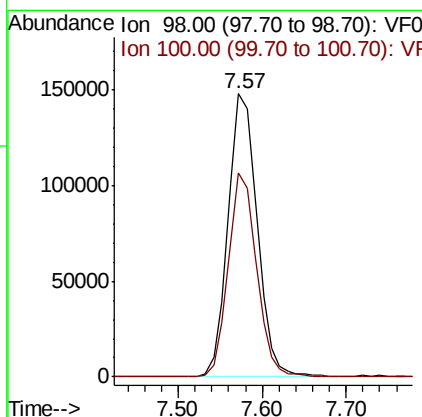
RT: 7.57 min Scan# 704

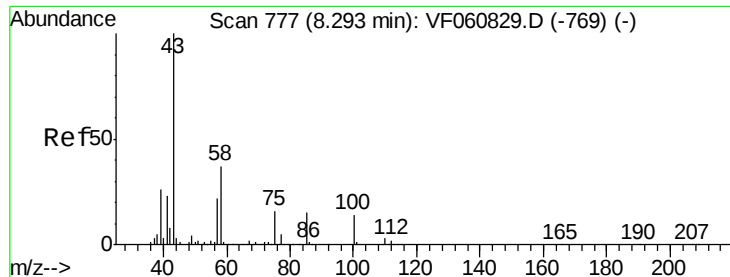
Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	98	Resp:	358729
Ion Ratio	Lower	Upper	
98	100		
100	72.0	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 113.272 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 43 Resp: 142606

Ion Ratio Lower Upper

43 100

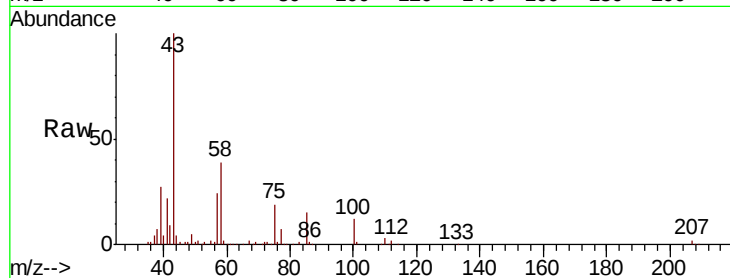
58 39.1 29.7 44.5

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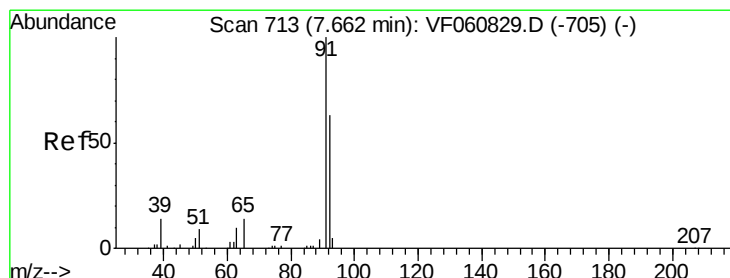
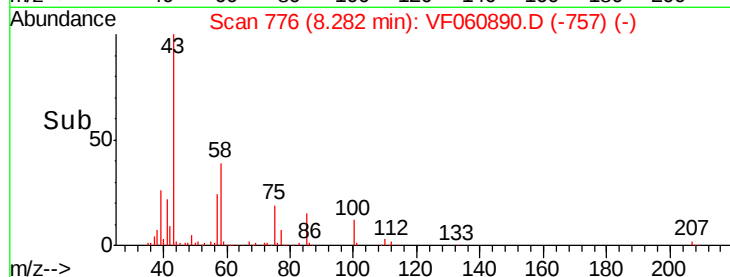
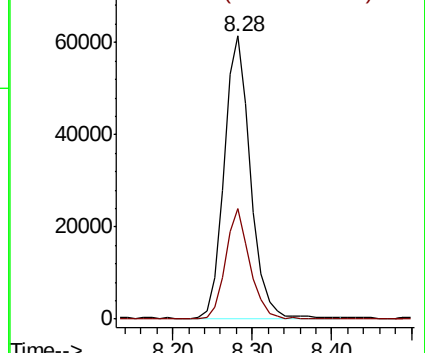
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.180 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF060890.D

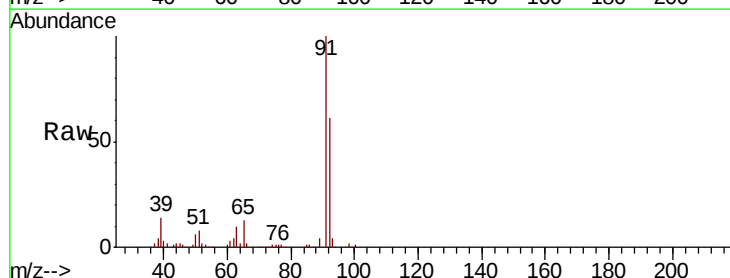
Acq: 3 Dec 2018 14:35

Tgt Ion: 92 Resp: 105207

Ion Ratio Lower Upper

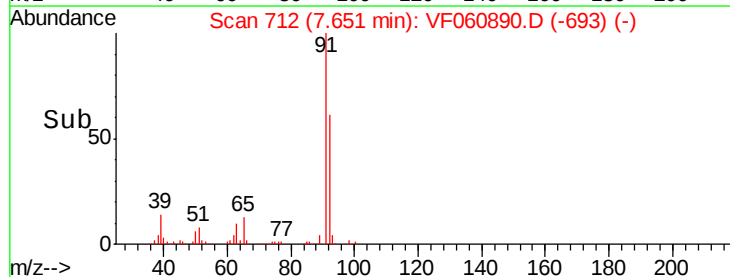
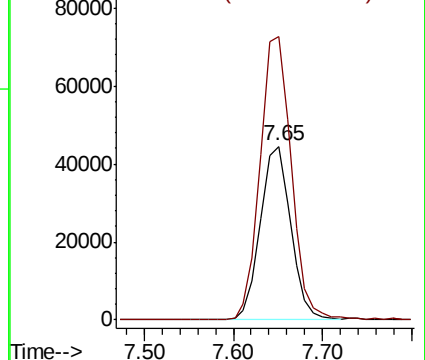
92 100

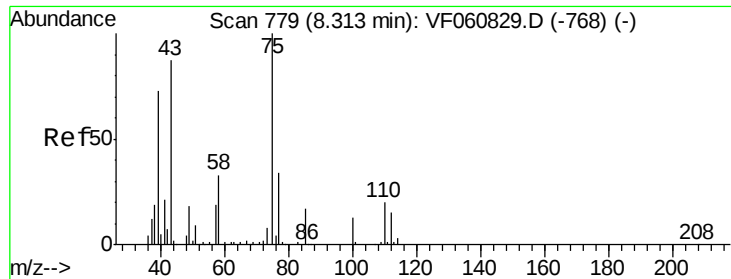
91 163.0 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





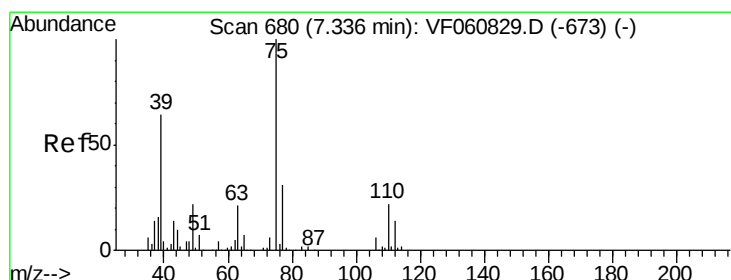
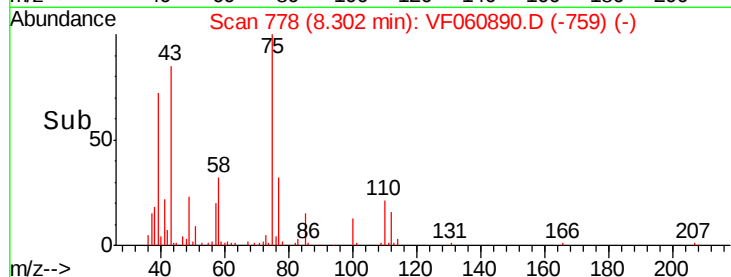
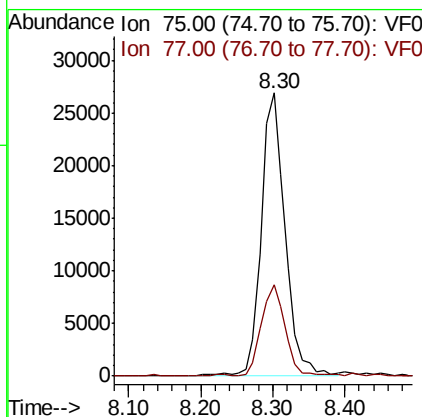
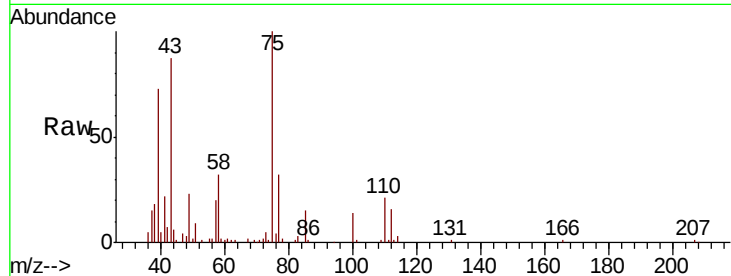
#53
t-1,3-Dichloropropene
Concen: 22.026 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	27.4	41.2

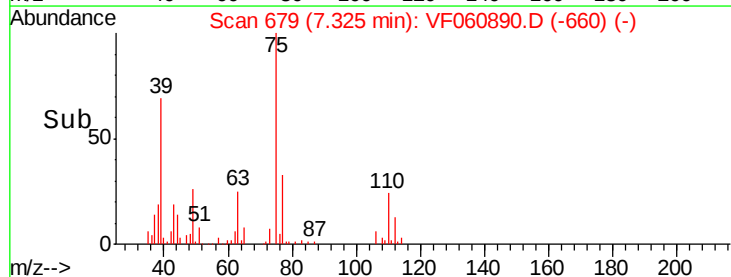
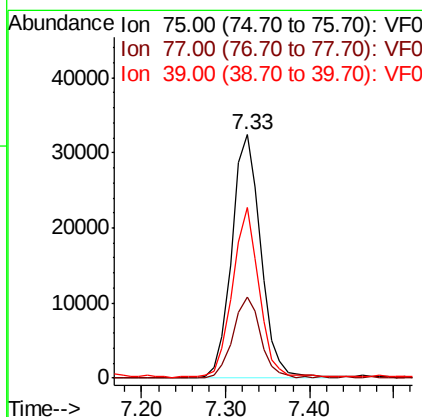
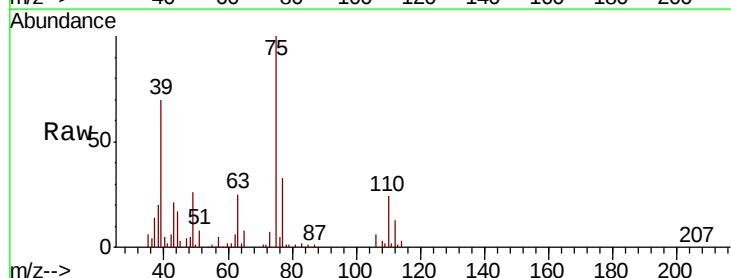
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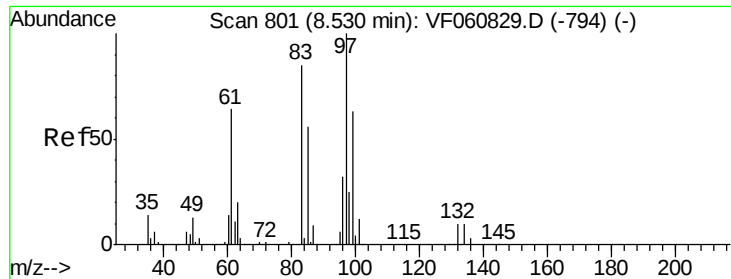
apatel
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#54
cis-1,3-Dichloropropene
Concen: 22.317 ug/l
RT: 7.33 min Scan# 679
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.0	37.6
39	70.1	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 21.461 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

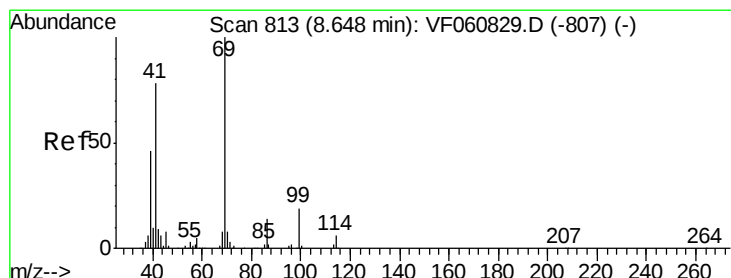
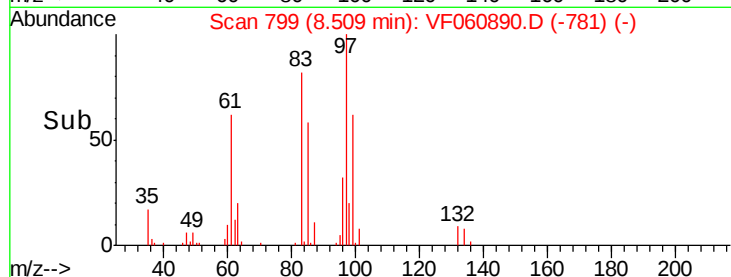
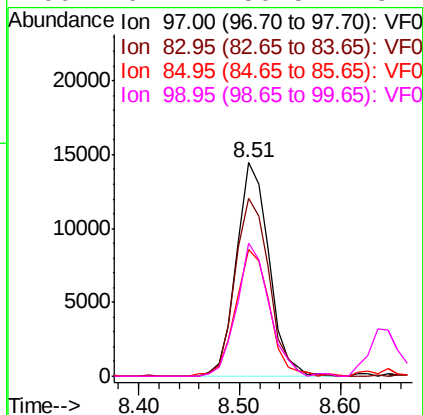
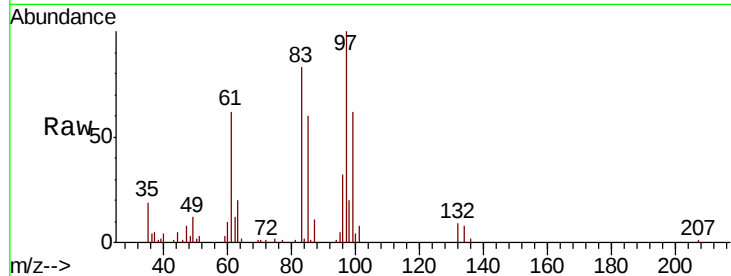
ClientSampleId :

VF1203SBS01

Tot Ion:	97	Resp:	32601
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.8	101.6
85	59.6	45.0	67.6
99	62.1	50.5	75.7

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#56

Ethyl methacrylate

Concen: 20.374 ug/l

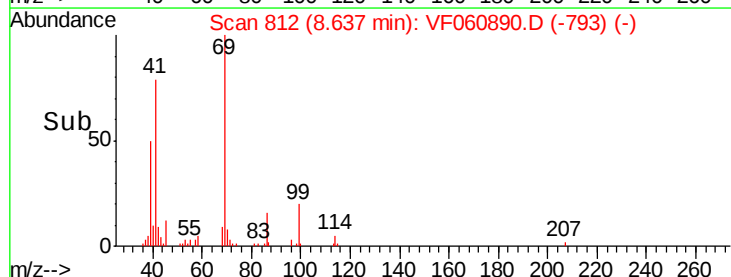
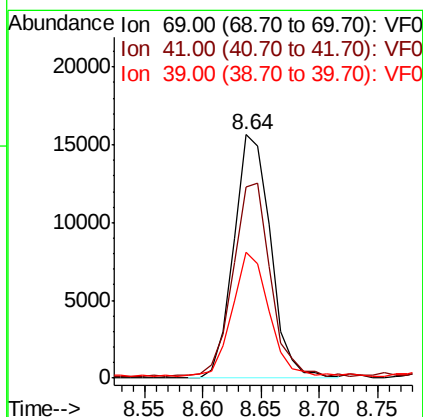
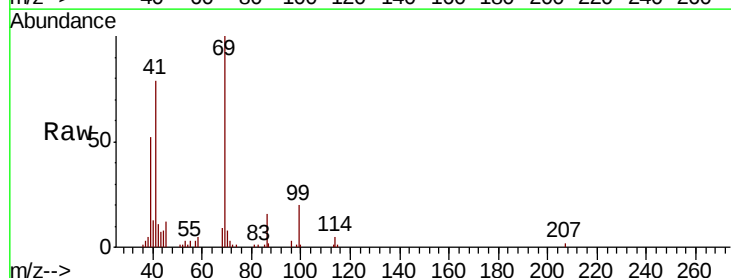
RT: 8.64 min Scan# 812

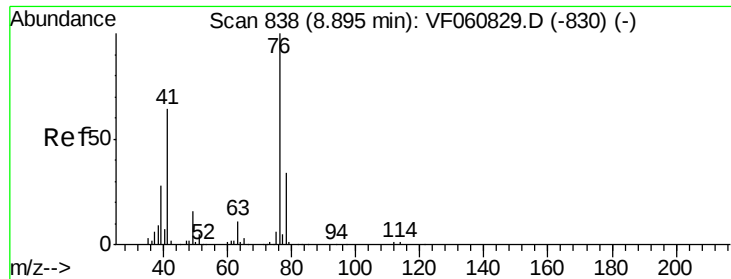
Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	69	Resp:	34381
Ion	Ratio	Lower	Upper
69	100		
41	78.5	62.6	94.0
39	51.7	37.8	56.6





#57

1,3-Dichloropropane

Concen: 21.623 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBSD01

Tot Ion: 76 Resp: 57468

Ion Ratio Lower Upper

76 100

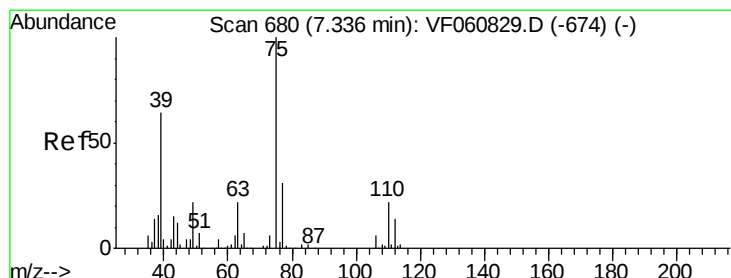
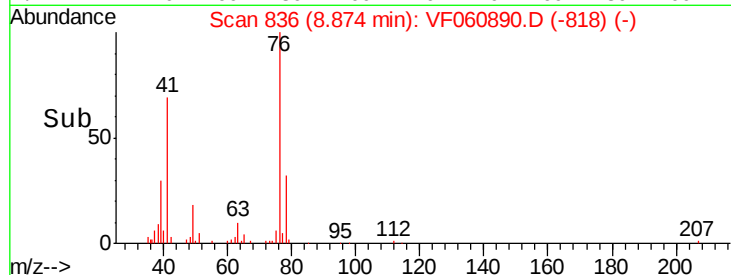
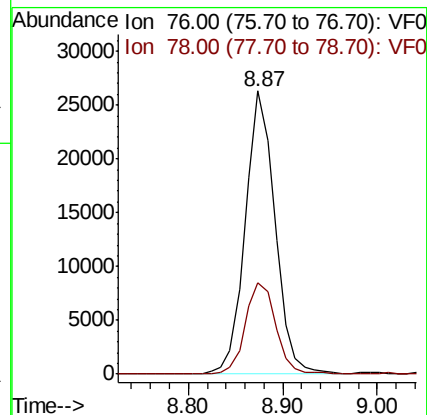
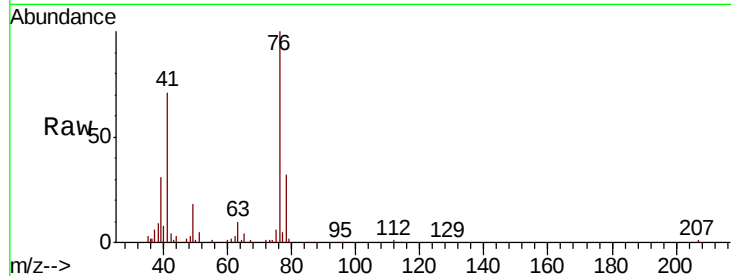
78 32.4 27.0 40.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 121.124 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060890.D

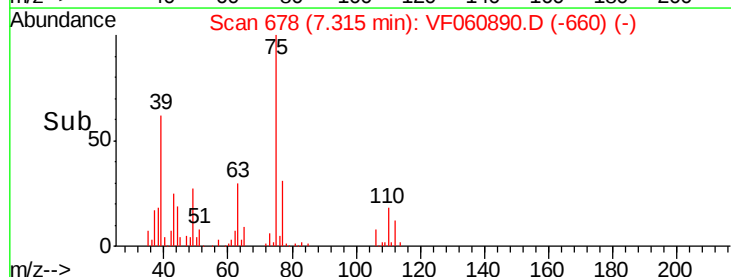
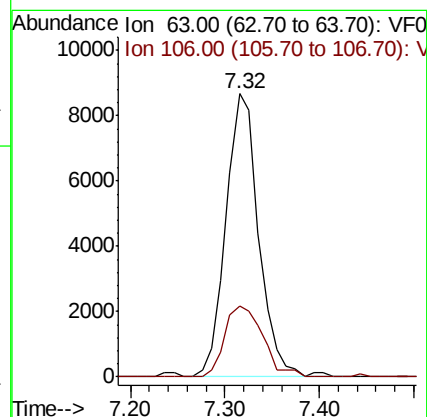
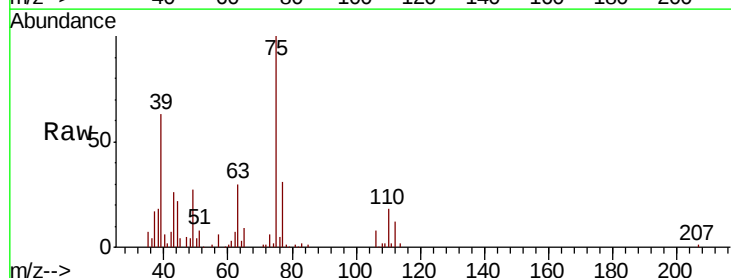
Acq: 3 Dec 2018 14:35

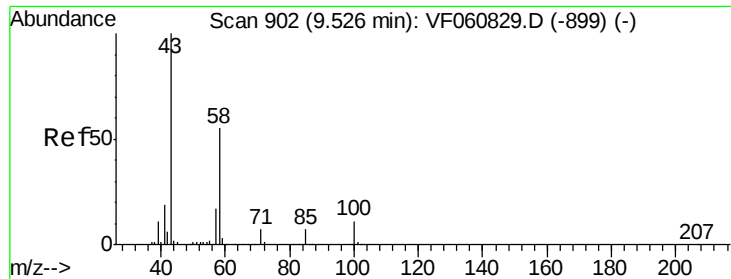
Tgt Ion: 63 Resp: 20907

Ion Ratio Lower Upper

63 100

106 25.2 23.0 34.6





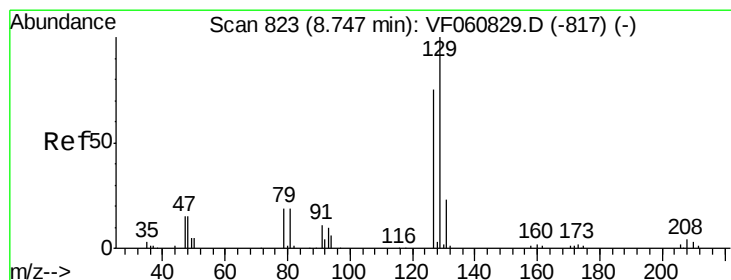
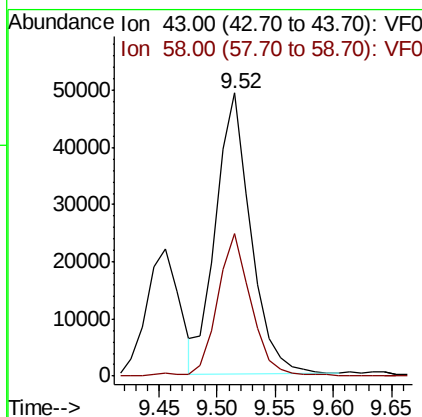
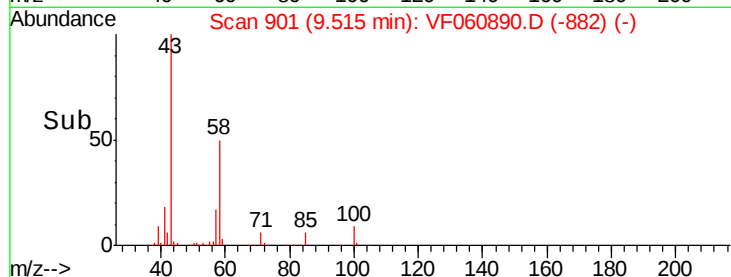
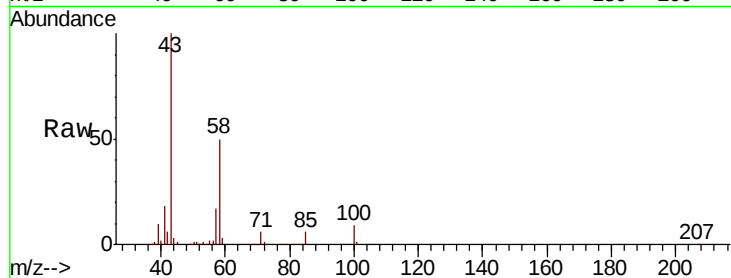
#59
2-Hexanone
Concen: 116.639 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.6	76.6

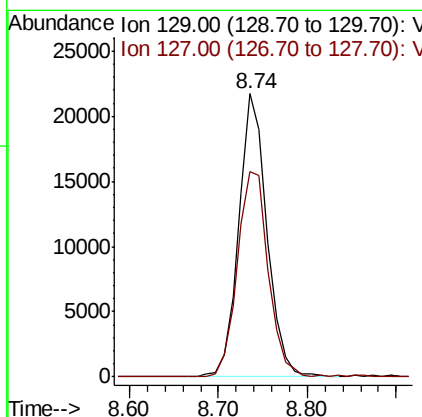
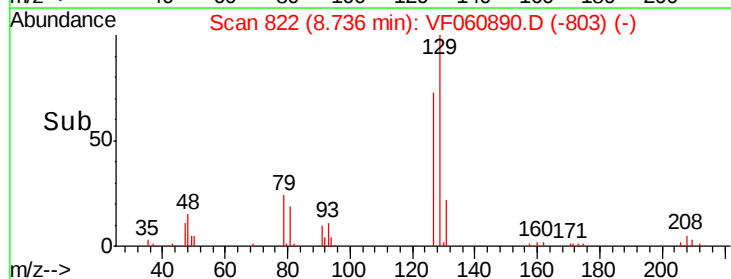
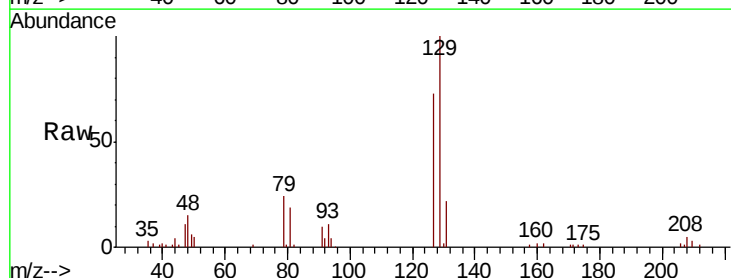
Manual Integrations
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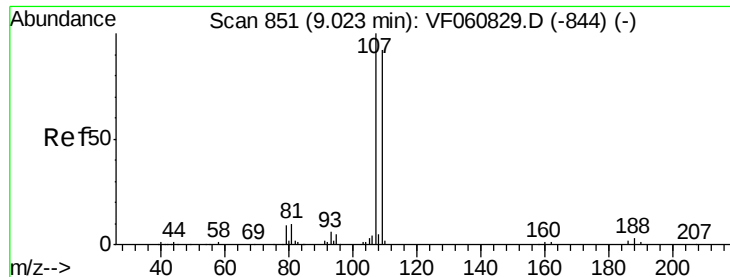
apatel
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#60
Dibromochloromethane
Concen: 21.020 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.6	37.3	111.9





#61

1,2-Dibromoethane

Concen: 21.570 ug/l

RT: 9.01 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:107 Resp: 35398

Ion Ratio Lower Upper

107 100

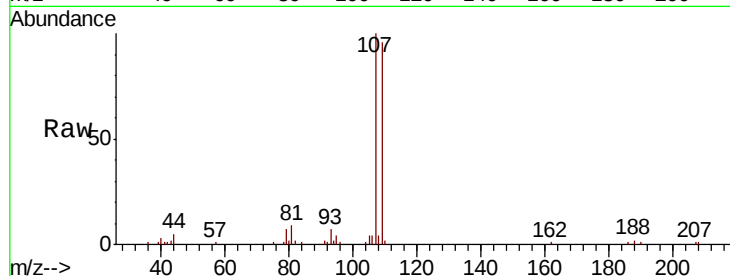
109 96.4 73.6 110.4

Manual Integrations

APPROVED

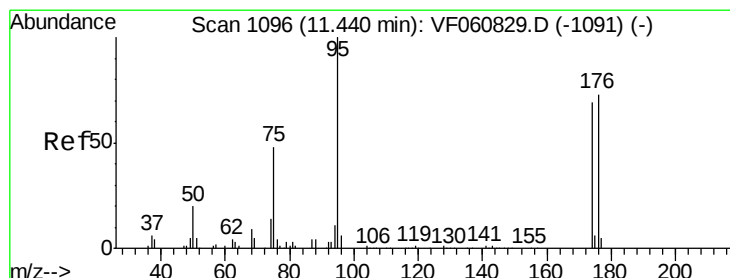
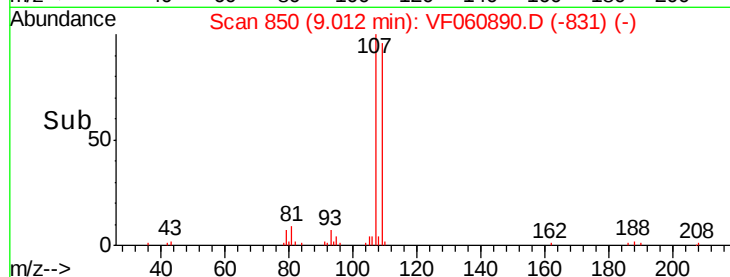
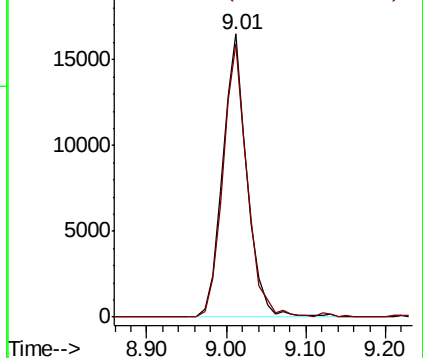
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.888 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

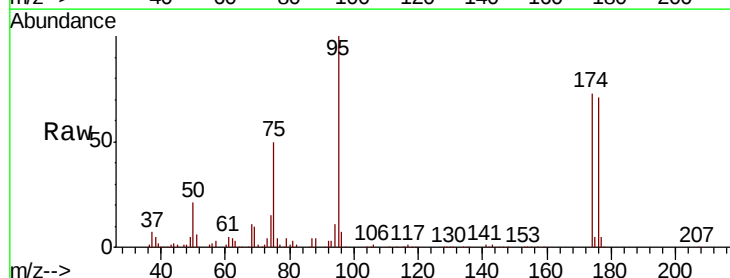
Tgt Ion: 95 Resp: 170138

Ion Ratio Lower Upper

95 100

174 73.4 0.0 138.2

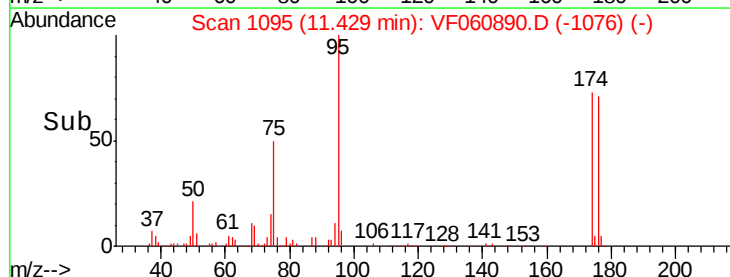
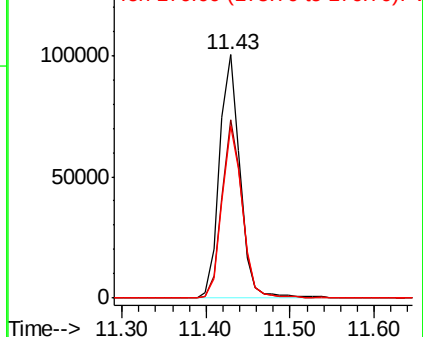
176 70.8 0.0 146.2

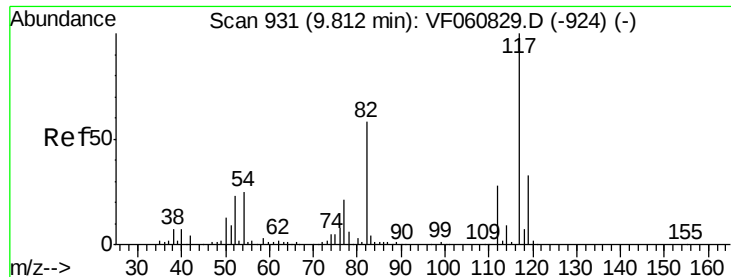


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





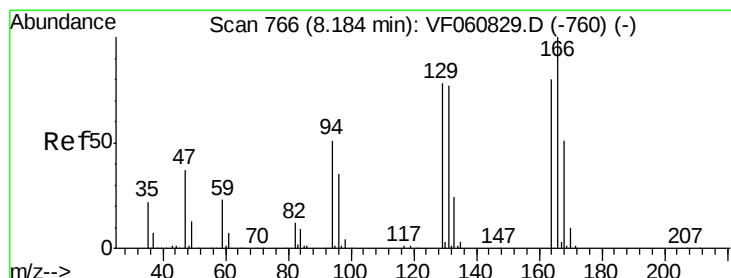
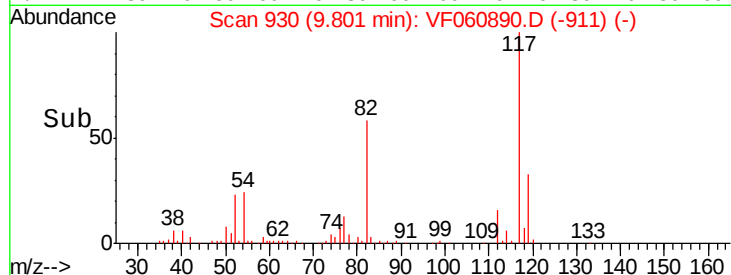
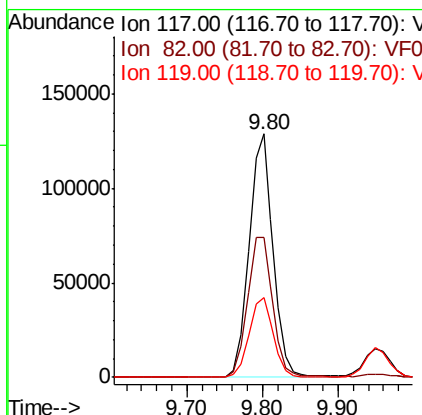
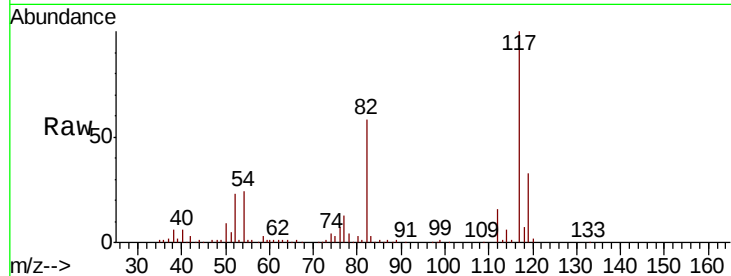
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282987		
82	57.5	46.6	69.8	
119	32.9	26.4	39.6	

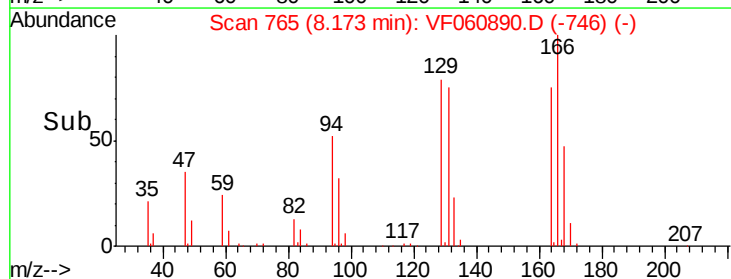
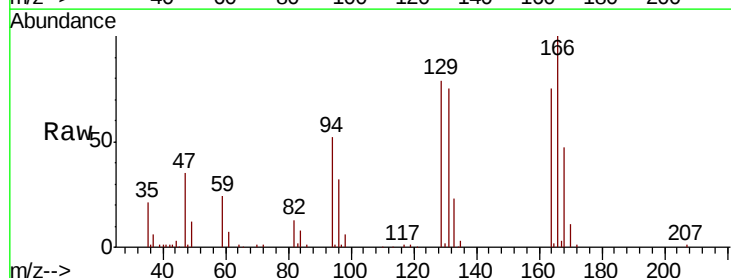
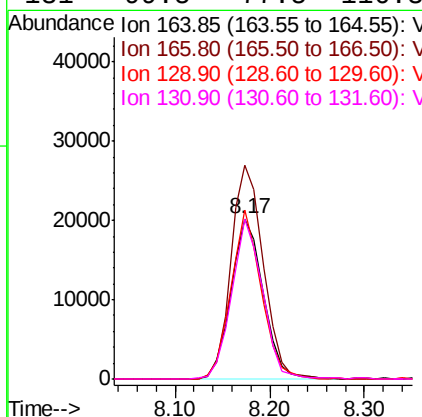
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#64
Tetrachloroethene
Concen: 22.026 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47609		
166	133.0	100.3	150.5	
129	104.9	77.9	116.9	
131	99.5	77.5	116.3	





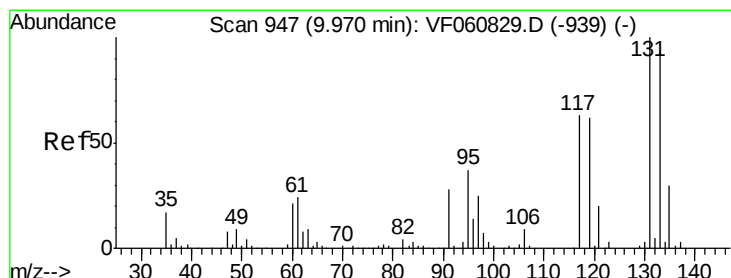
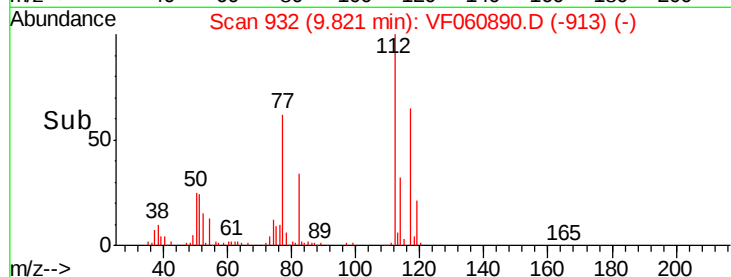
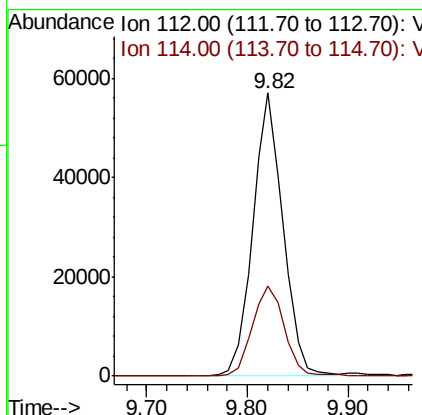
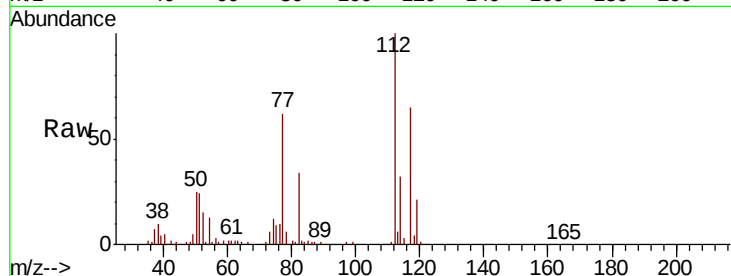
#65
Chlorobenzene
Concen: 21.578 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion:112 Resp: 118790
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

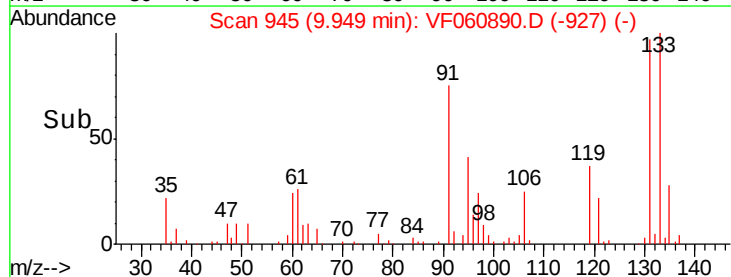
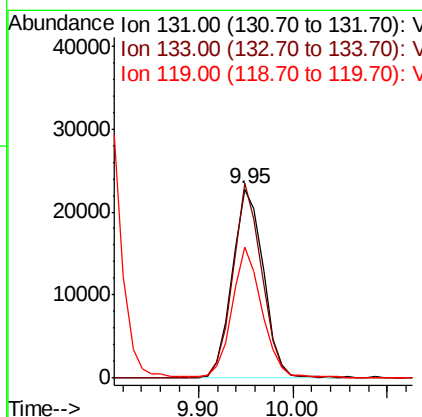
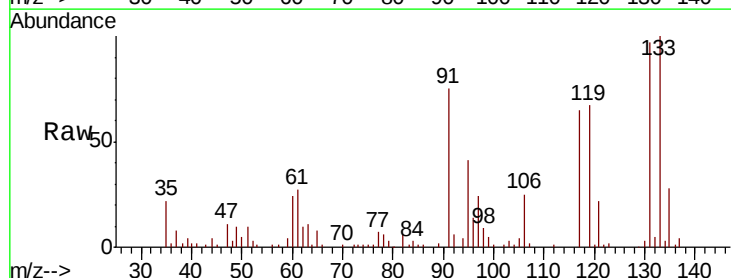
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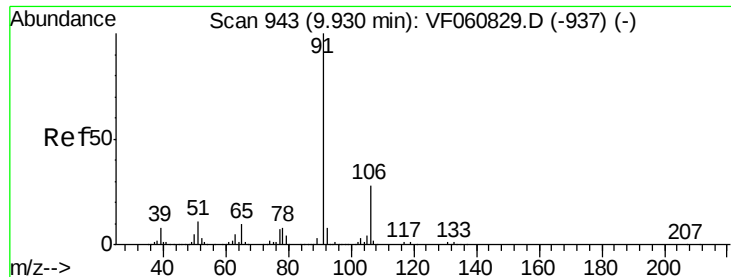
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.953 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion:131 Resp: 51955
Ion Ratio Lower Upper
131 100
133 103.5 46.5 139.3
119 69.1 31.1 93.3





#67

Ethyl Benzene

Concen: 22.559 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 91 Resp: 231202

Ion Ratio Lower Upper

91 100

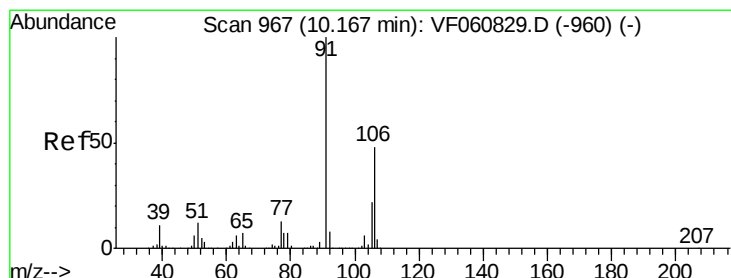
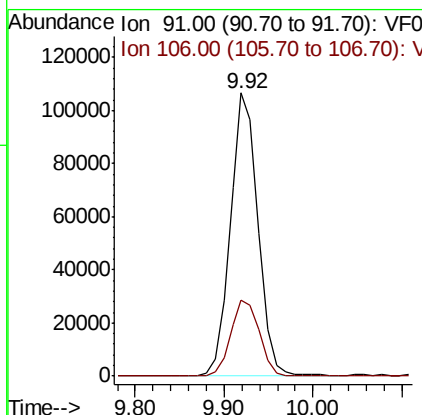
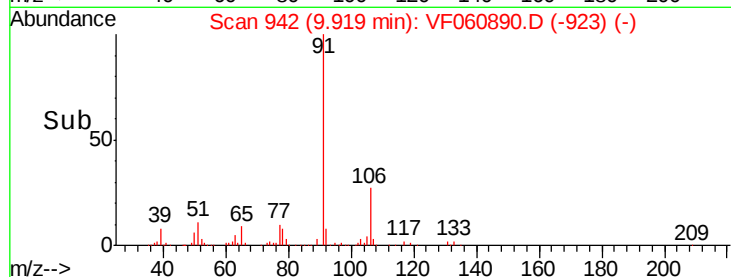
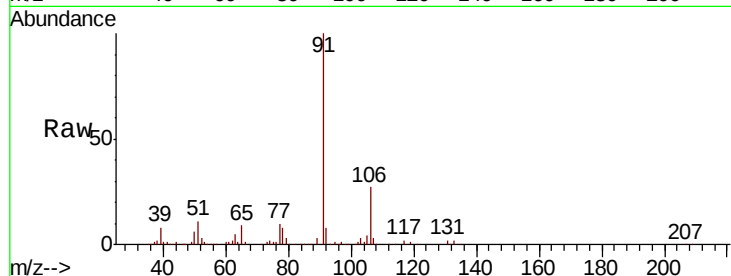
106 26.9 22.2 33.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.759 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060890.D

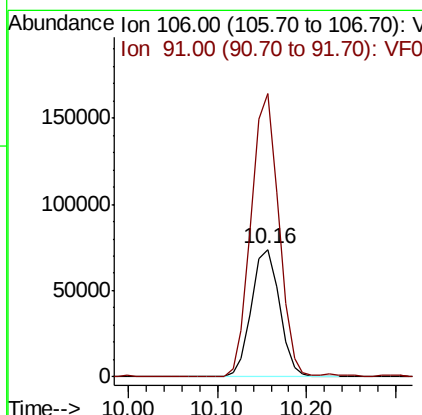
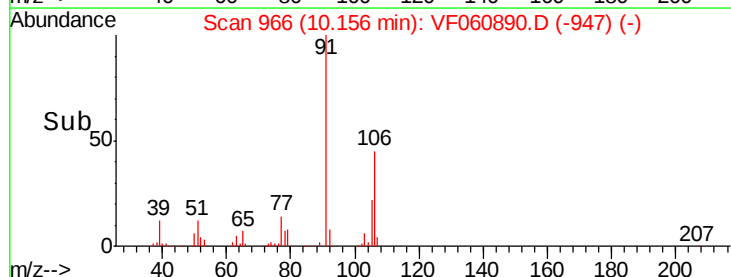
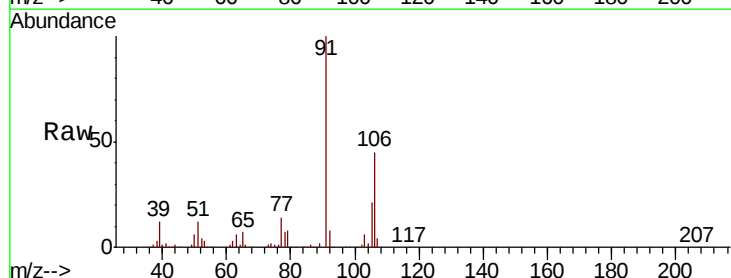
Acq: 3 Dec 2018 14:35

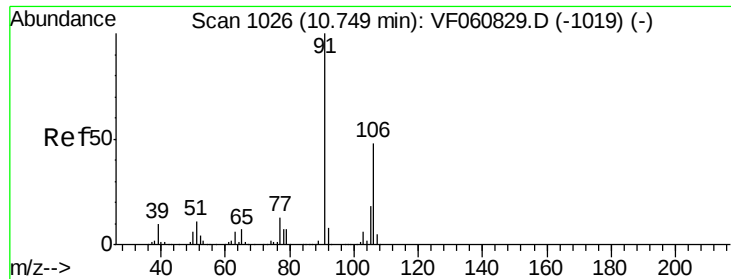
Tgt Ion: 106 Resp: 161303

Ion Ratio Lower Upper

106 100

91 222.2 166.7 250.1





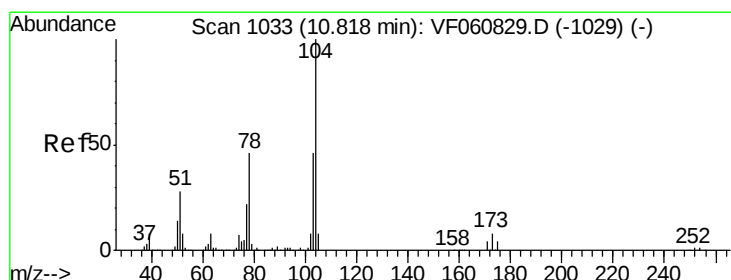
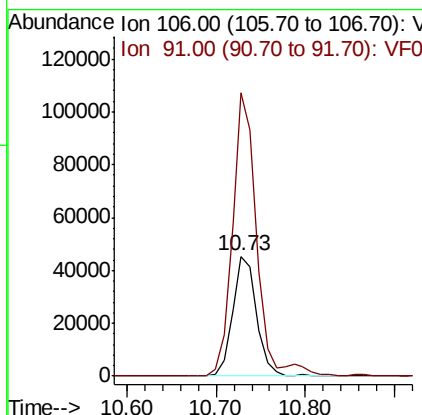
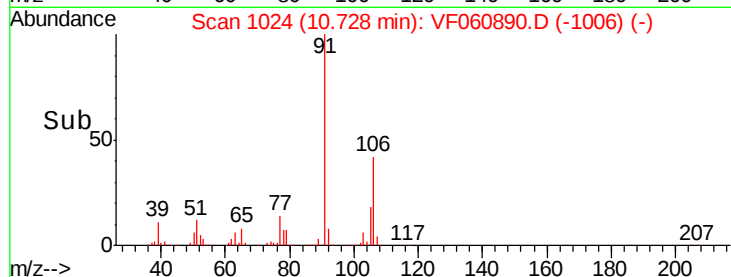
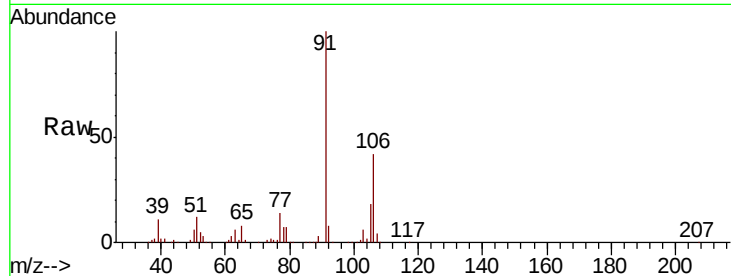
#69
o-Xylene
Concen: 21.100 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion:106 Resp: 85765
Ion Ratio Lower Upper
106 100
91 236.5 104.8 314.6

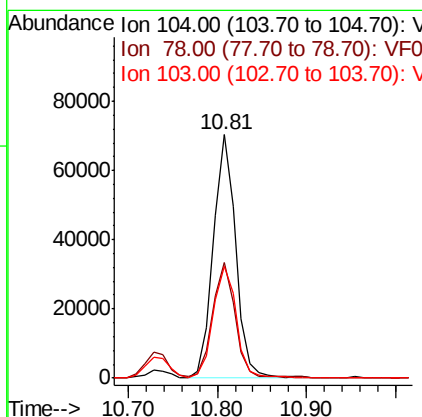
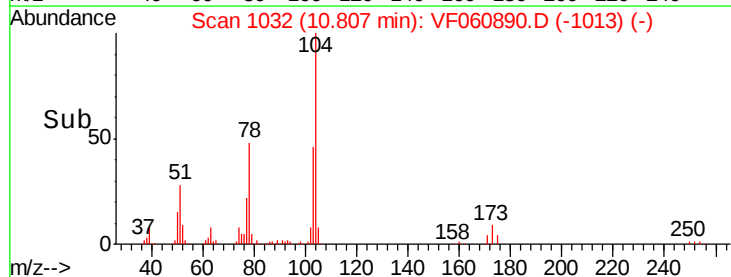
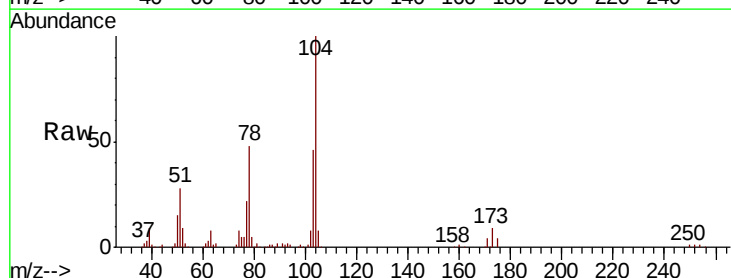
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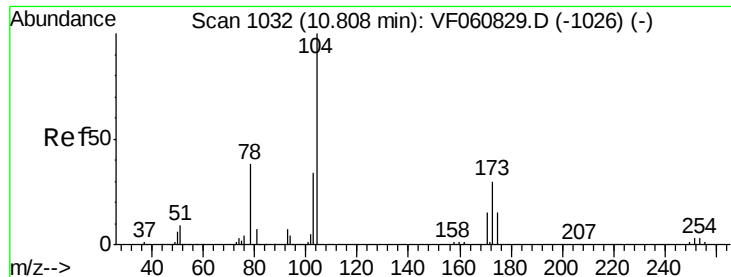
apatel
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#70
Styrene
Concen: 22.086 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion:104 Resp: 124447
Ion Ratio Lower Upper
104 100
78 47.6 37.3 55.9
103 45.8 36.8 55.2





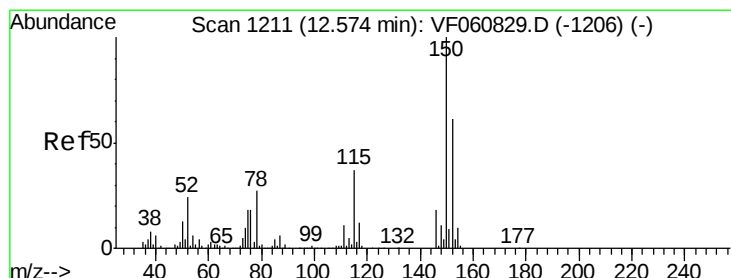
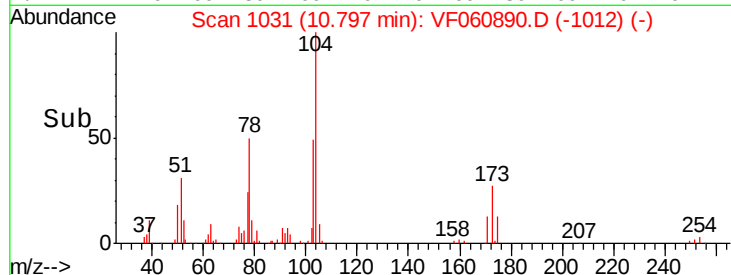
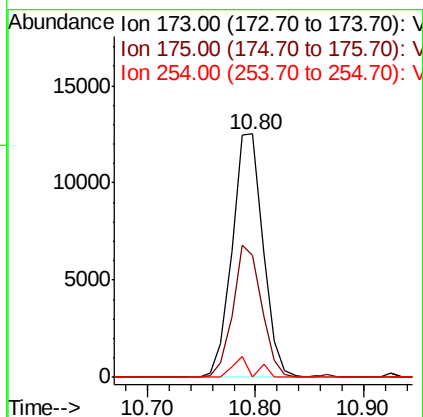
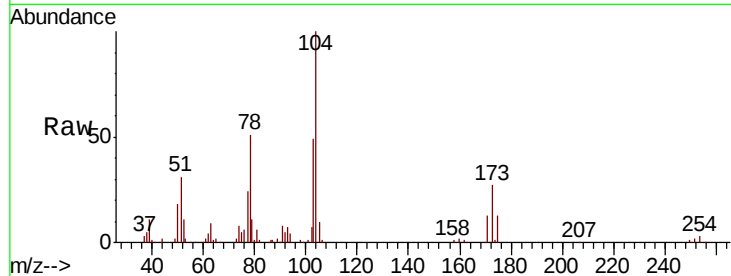
#71
Bromoform
Concen: 21.891 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	25.5	76.5
254	0.0	7.5	11.3

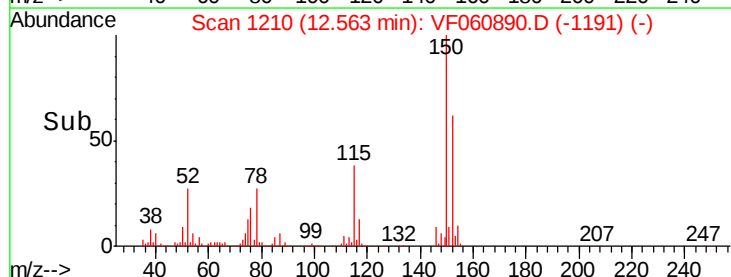
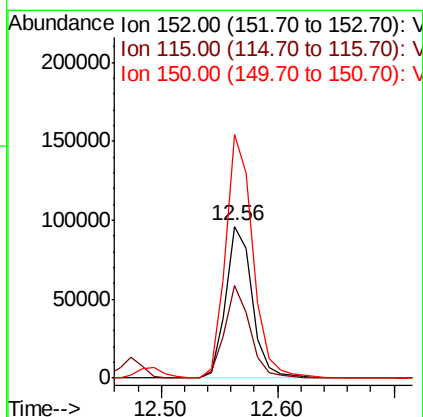
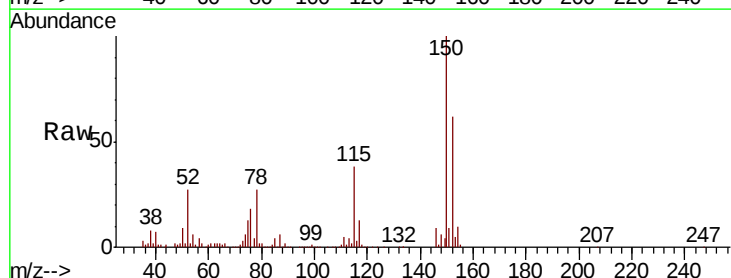
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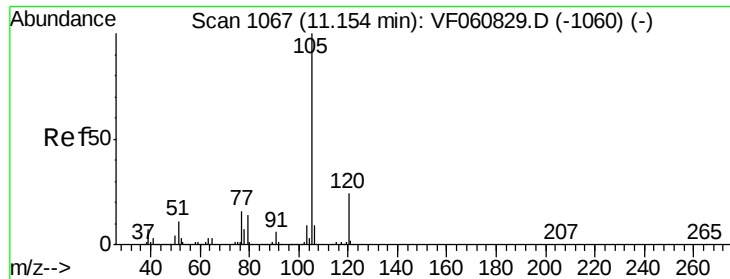
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.5
150	160.1	0.0	327.6





#73

Isopropylbenzene

Concen: 22.254 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:105 Resp: 268423

Ion Ratio Lower Upper

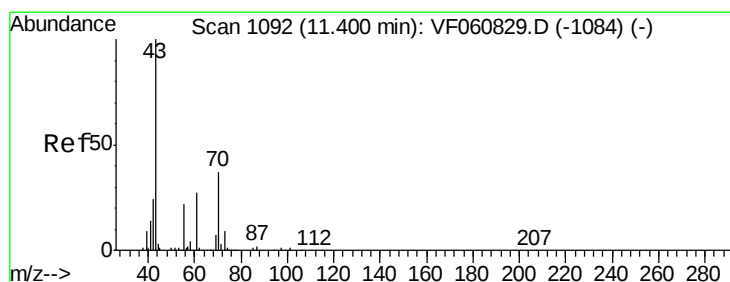
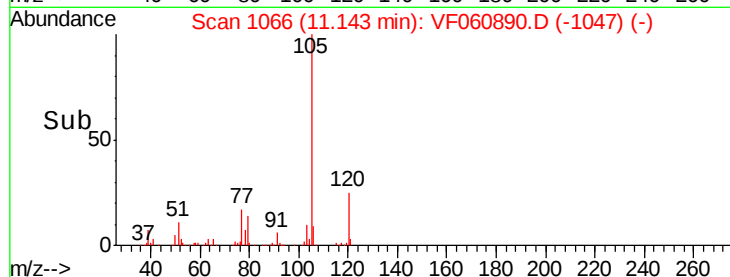
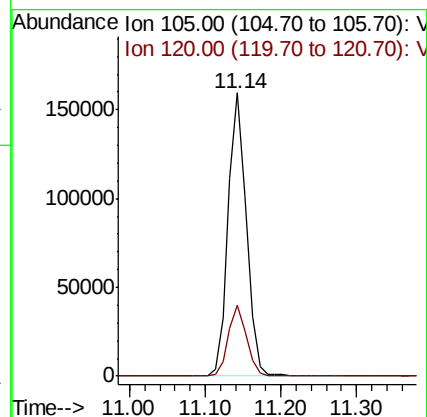
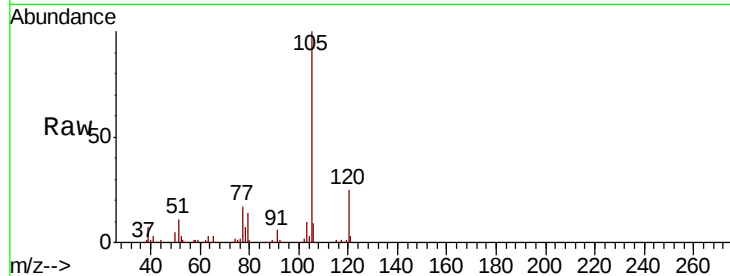
105 100

120 24.9 12.2 36.4

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#74

N-ethyl acetate

Concen: 24.093 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion: 43 Resp: 67105

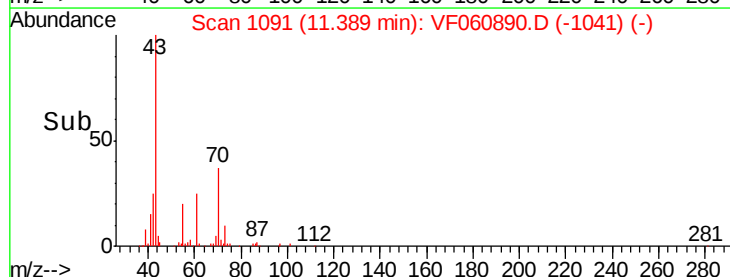
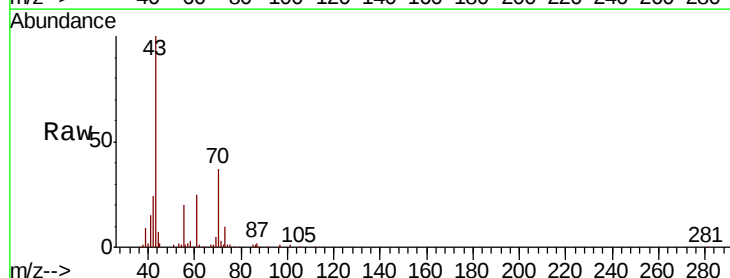
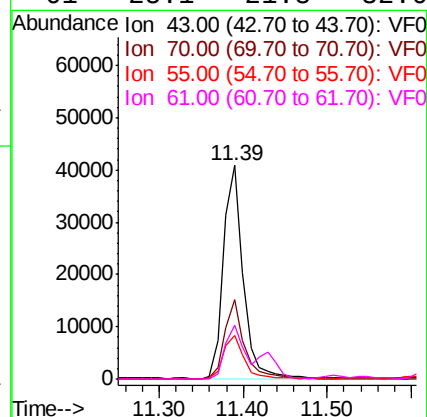
Ion Ratio Lower Upper

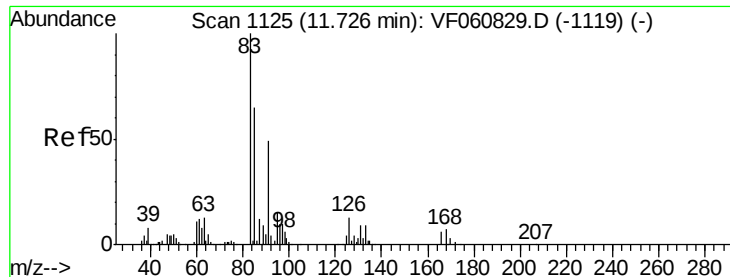
43 100

70 37.2 29.6 44.4

55 20.4 17.2 25.8

61 25.1 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.409 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

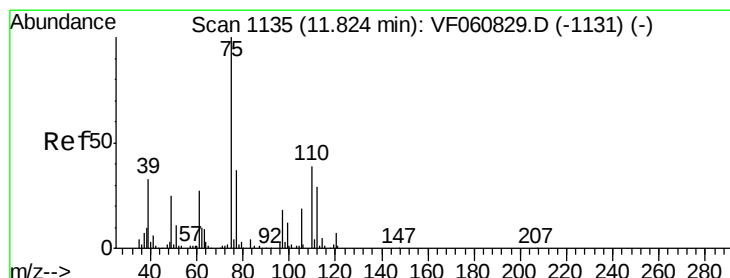
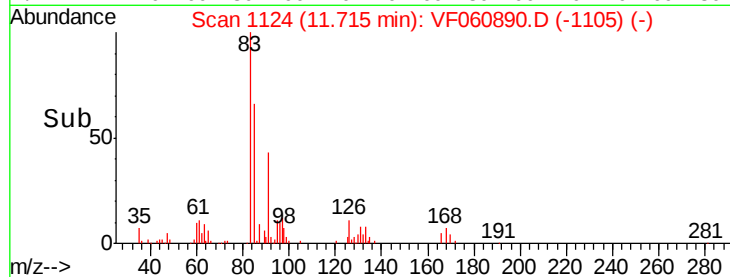
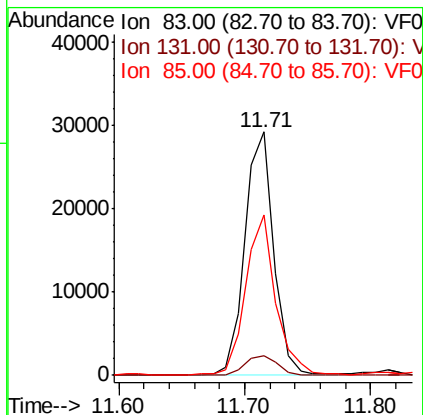
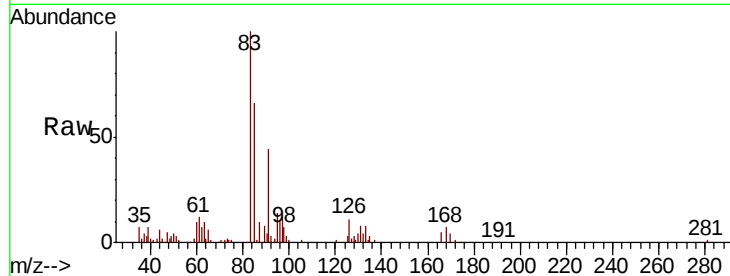
ClientSampleId :

VF1203SBS01

Tot Ion:	83	Resp:	46470
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.7	14.1
85	65.9	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.396 ug/l

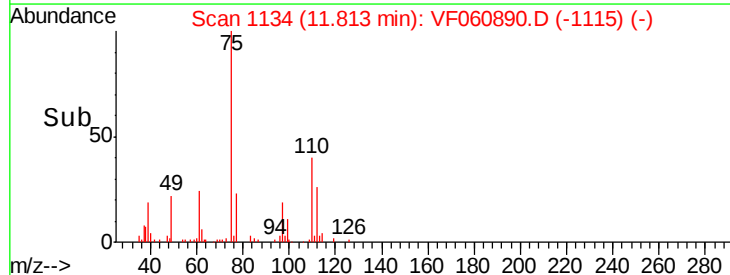
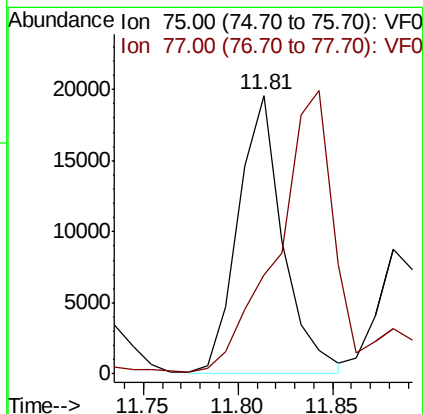
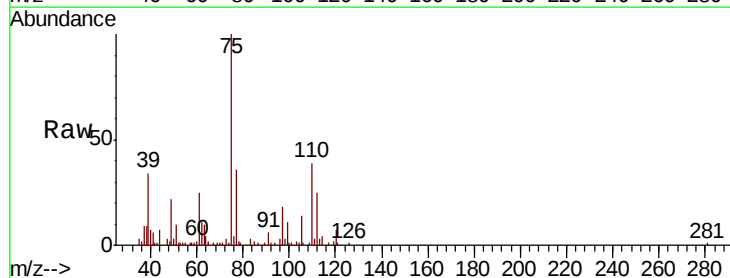
RT: 11.81 min Scan# 1134

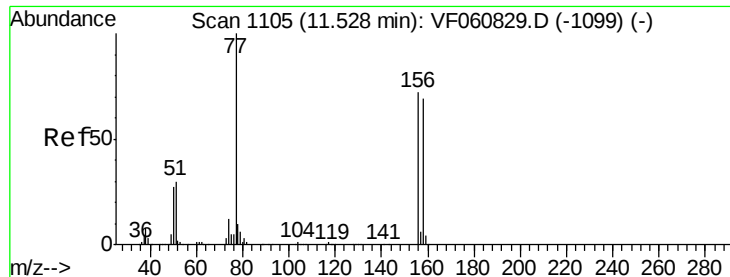
Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	75	Resp:	32316
Ion Ratio	Lower	Upper	
75	100		
77	35.7	18.4	55.4





#77

Bromobenzene

Concen: 21.261 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

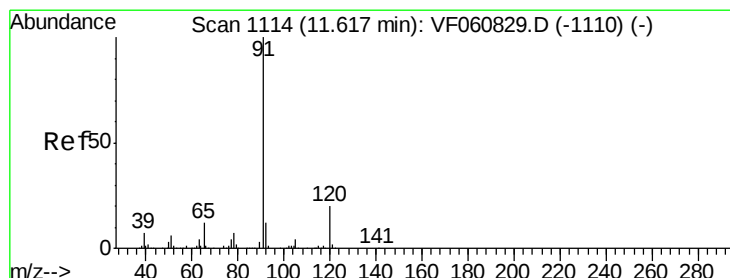
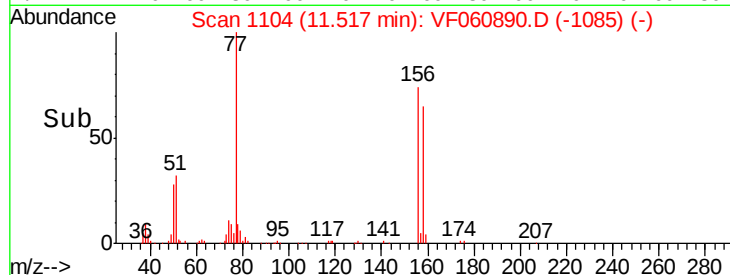
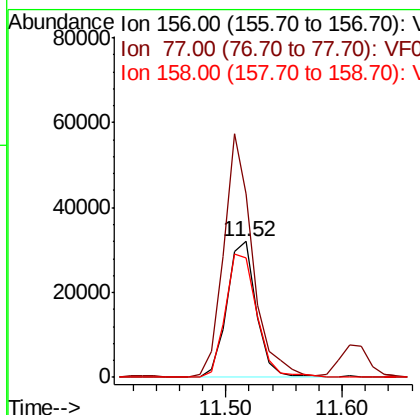
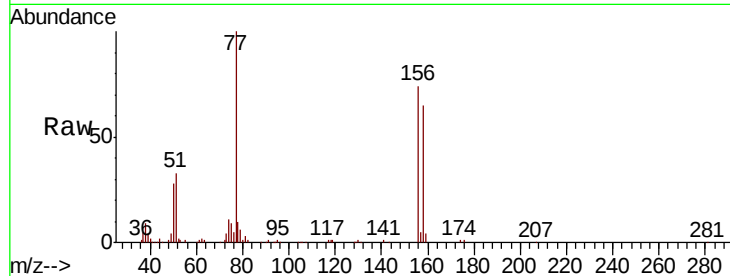
ClientSampleId :

VF1203SBS01

Tot Ion:	156	Resp:	56222
Ion Ratio	Lower	Upper	
156	100		
77	134.5	69.7	209.0
158	87.4	47.8	143.4

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#78

n-propylbenzene

Concen: 22.066 ug/l

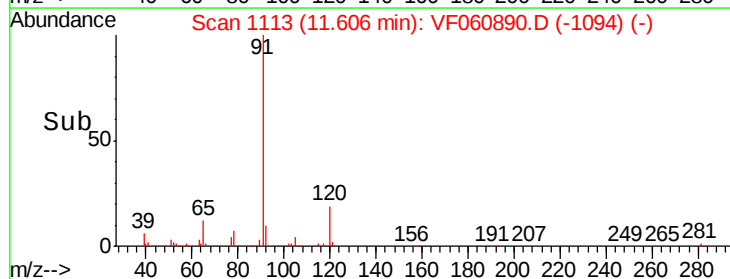
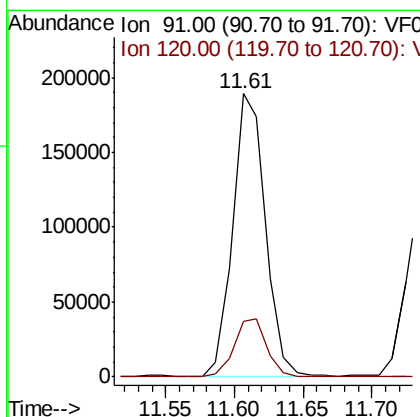
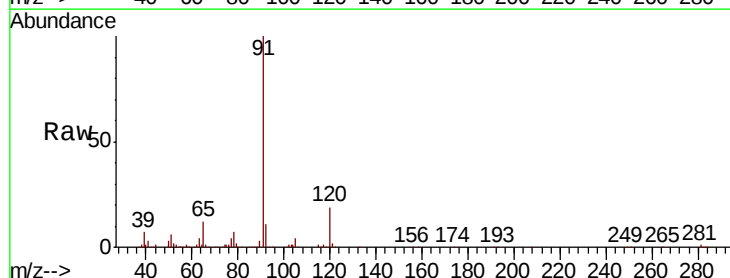
RT: 11.61 min Scan# 1113

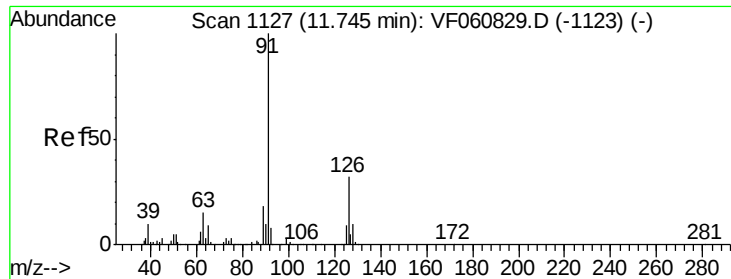
Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	91	Resp:	311693
Ion Ratio	Lower	Upper	
91	100		
120	19.4	10.3	30.8





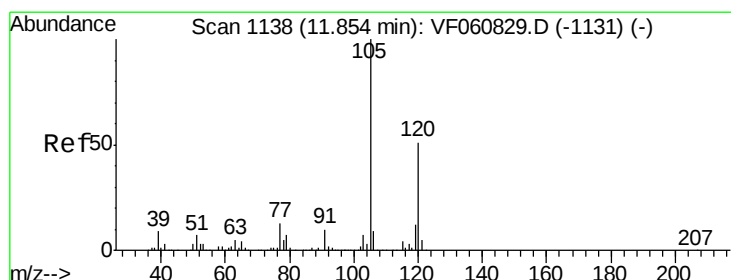
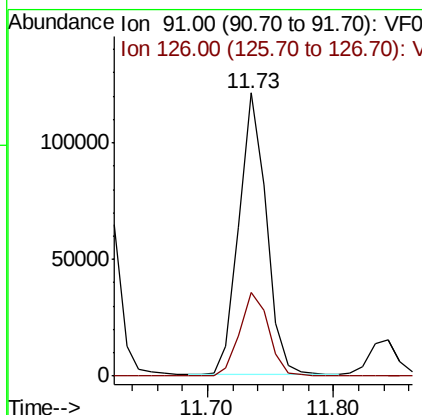
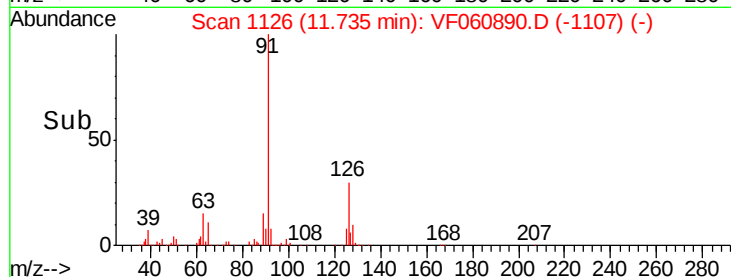
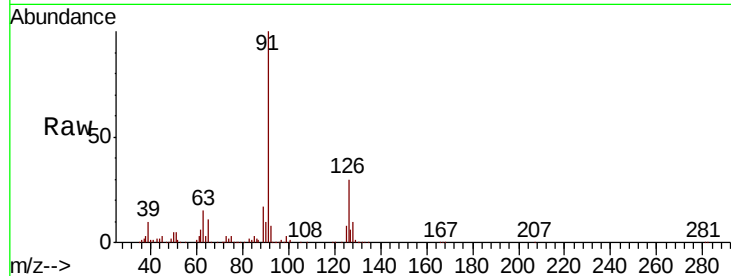
#79
 2-Chlorotoluene
 Concen: 22.311 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.8	15.9	47.6

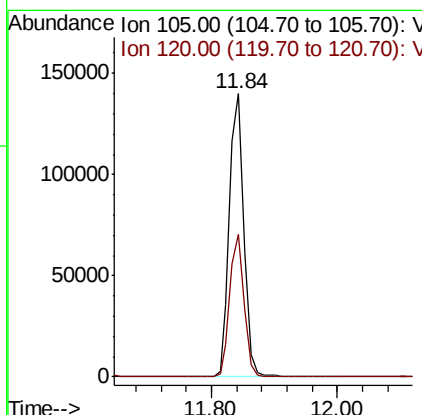
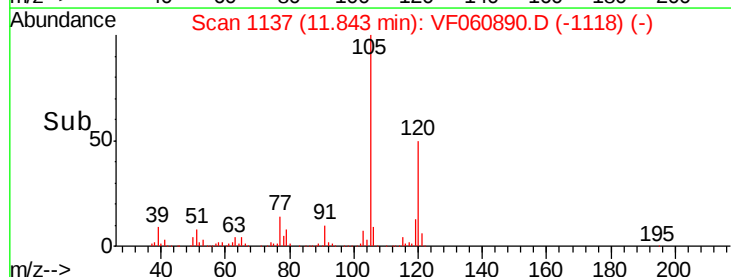
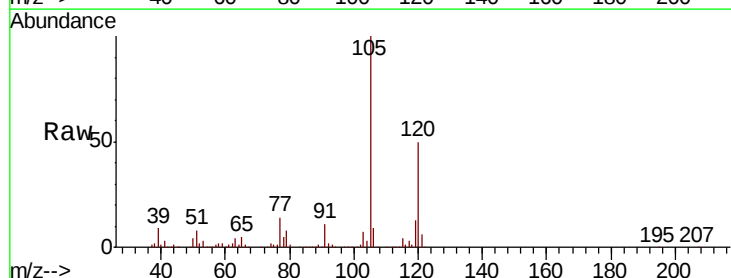
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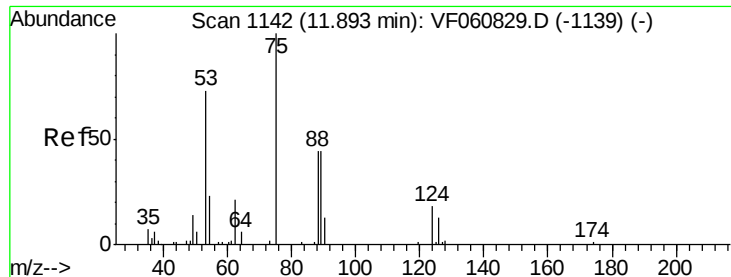
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.690 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	25.8	77.3





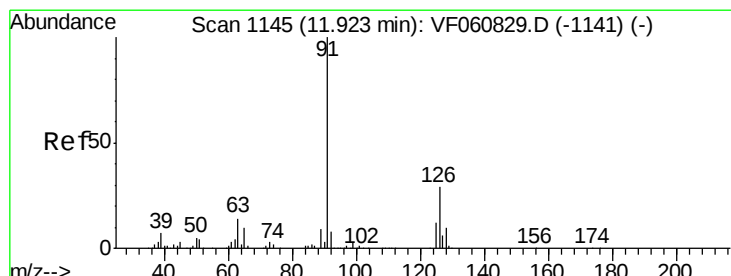
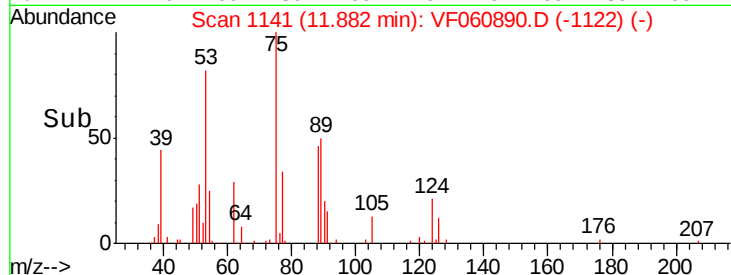
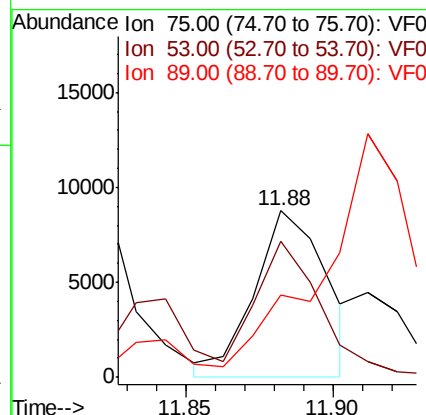
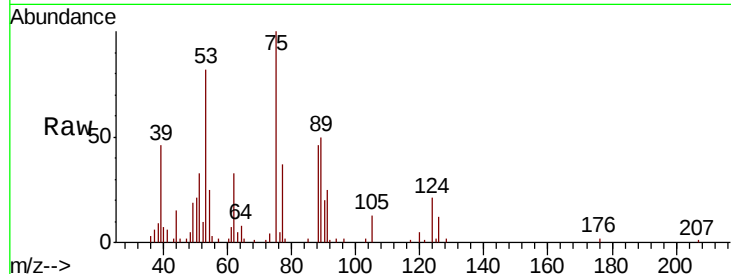
#81
trans-1,4-Dichloro-2-butene
Concen: 21.060 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	65.9	98.9
89	49.6	38.8	58.2

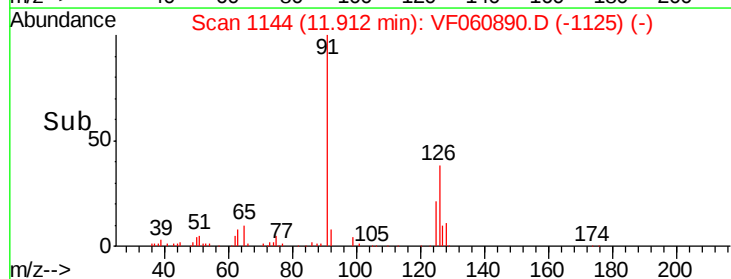
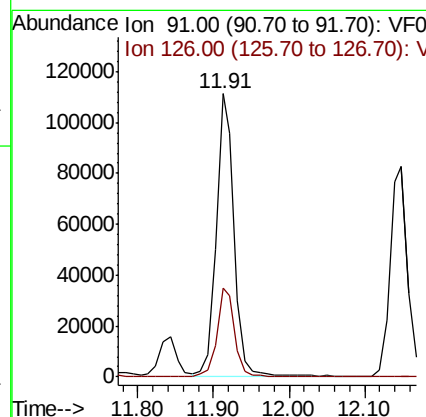
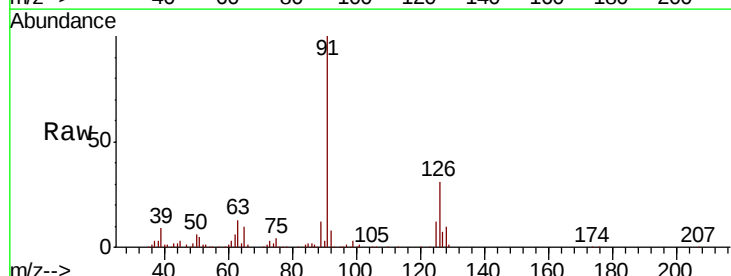
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#82
4-Chlorotoluene
Concen: 21.357 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	14.8	44.4





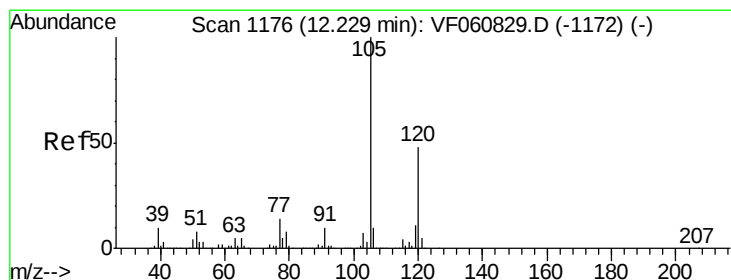
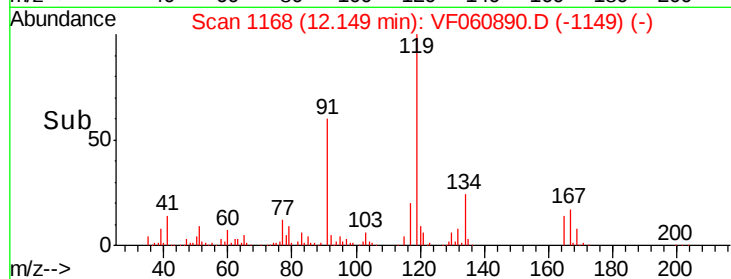
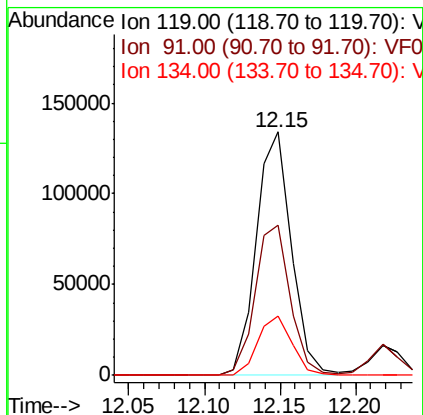
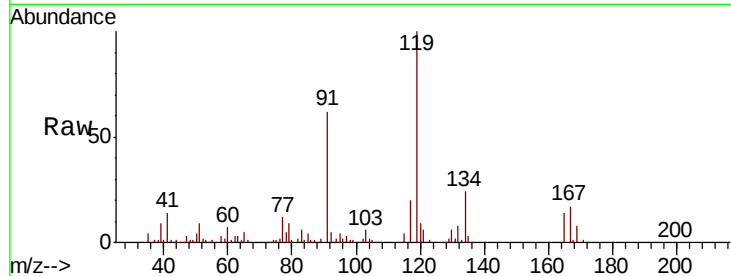
#83
tert-Butylbenzene
Concen: 21.831 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217757		
91	61.6	30.1	90.3	
134	24.2	12.6	37.8	

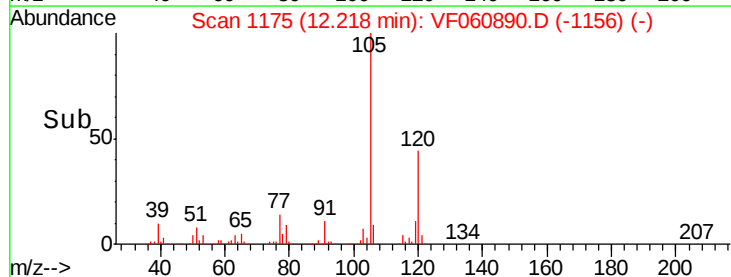
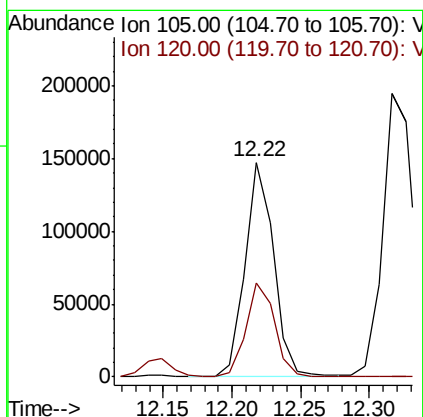
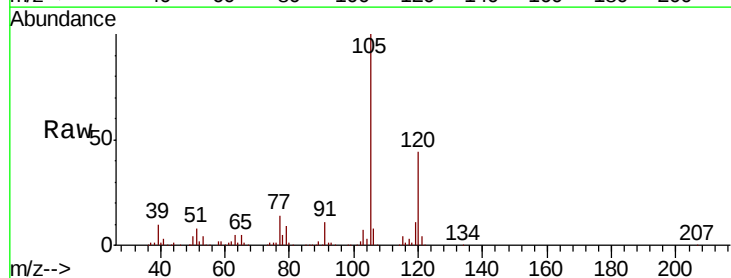
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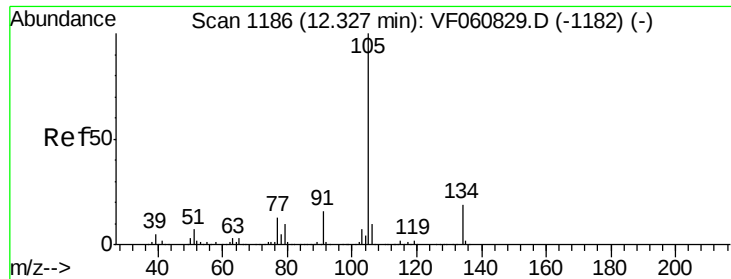
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#84
1,2,4-Trimethylbenzene
Concen: 22.058 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215566		
120	43.8	23.8	71.5	





#85

sec-Butylbenzene

Concen: 22.353 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:105 Resp: 305223

Ion Ratio Lower Upper

105 100

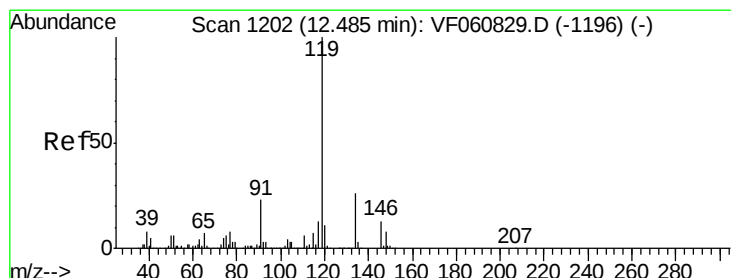
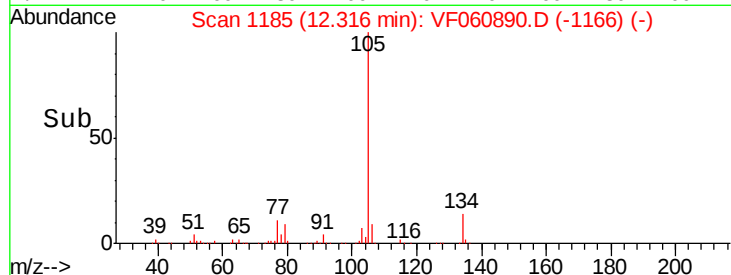
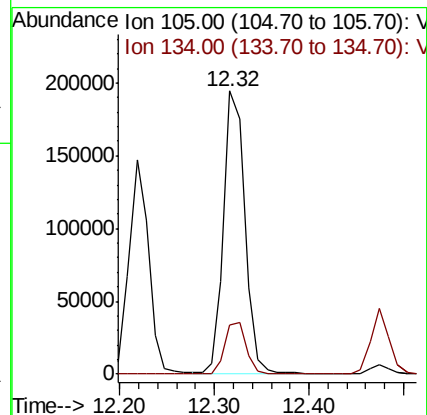
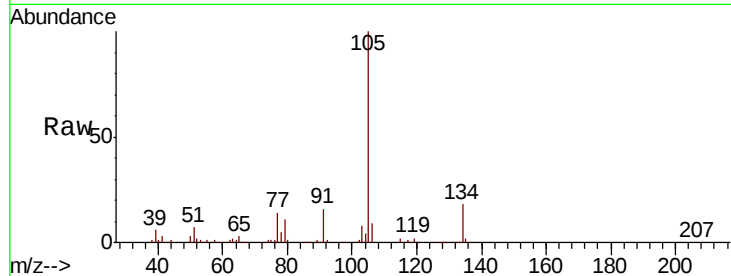
134 17.5 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 22.065 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

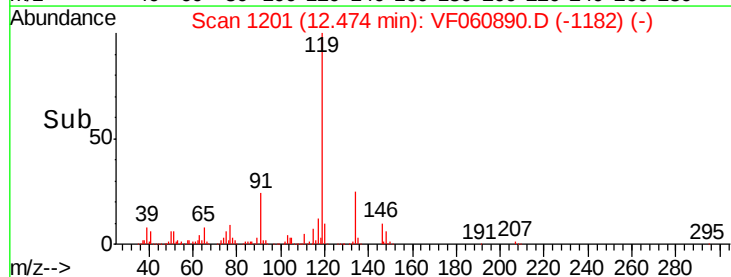
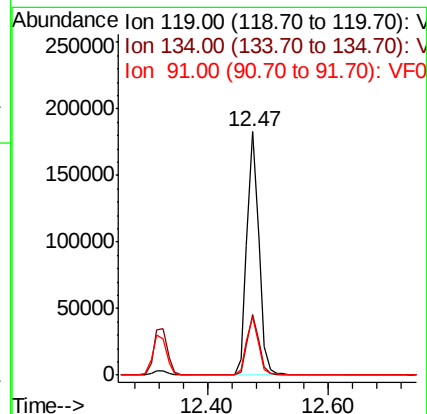
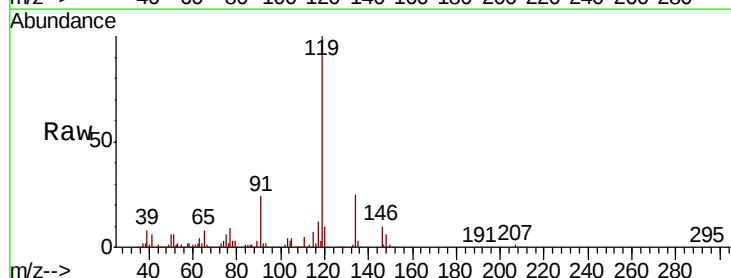
Tgt Ion:119 Resp: 252590

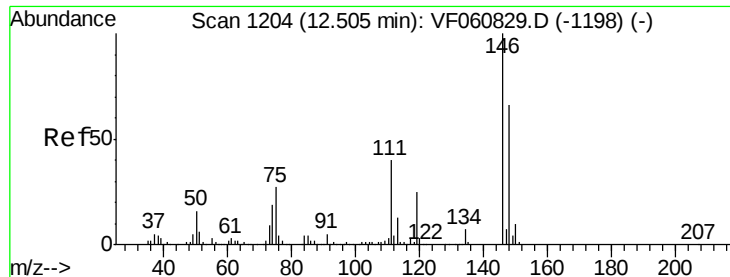
Ion Ratio Lower Upper

119 100

134 24.8 12.9 38.6

91 24.0 11.8 35.3





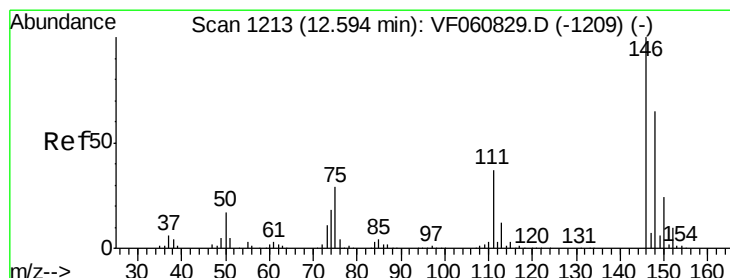
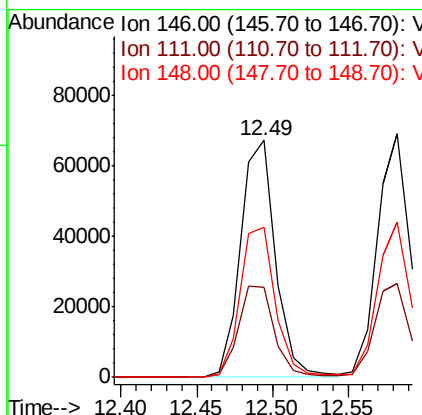
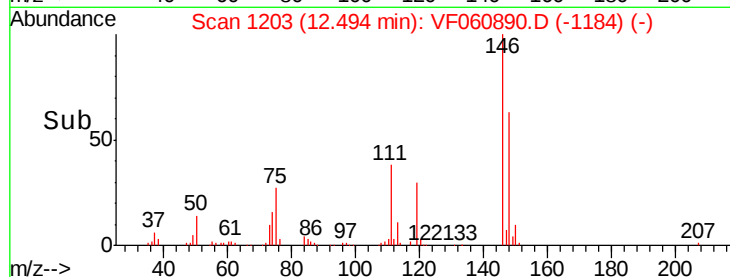
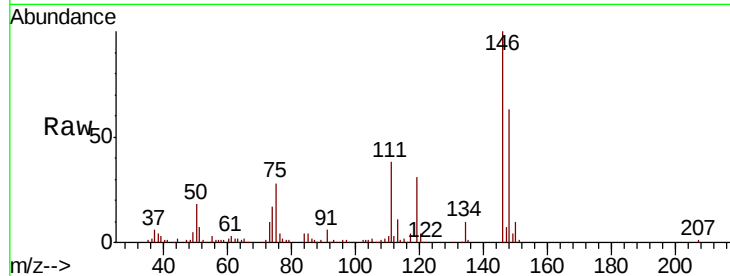
#87
 1,3-Dichlorobenzene
 Concen: 21.575 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	108525		
111	38.0	20.0	59.9	
148	63.5	32.9	98.6	

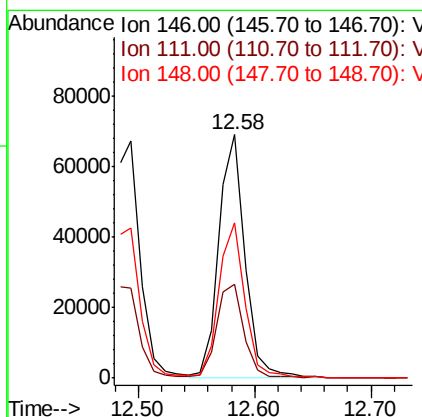
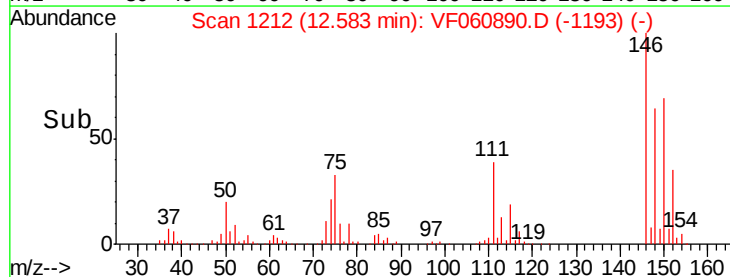
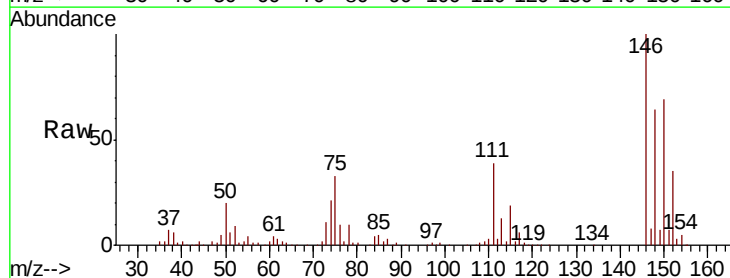
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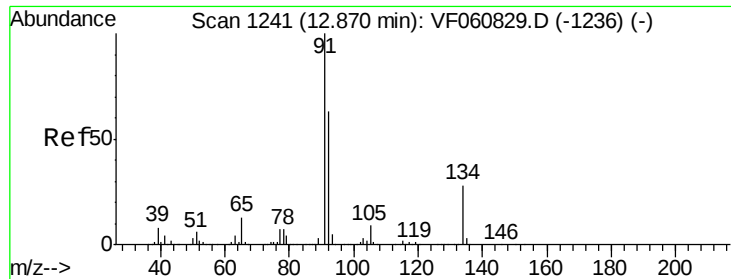
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#88
 1,4-Dichlorobenzene
 Concen: 21.800 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106863		
111	38.6	18.9	56.7	
148	63.7	32.3	96.9	





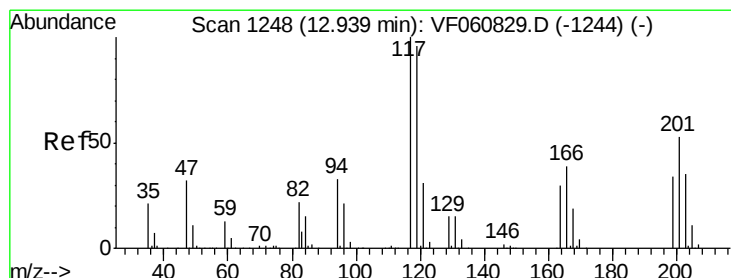
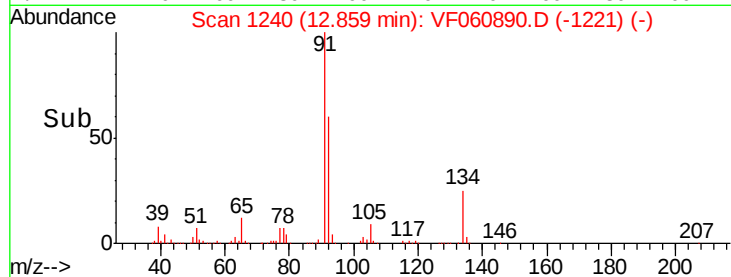
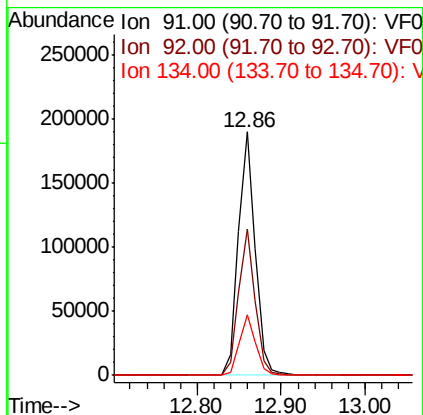
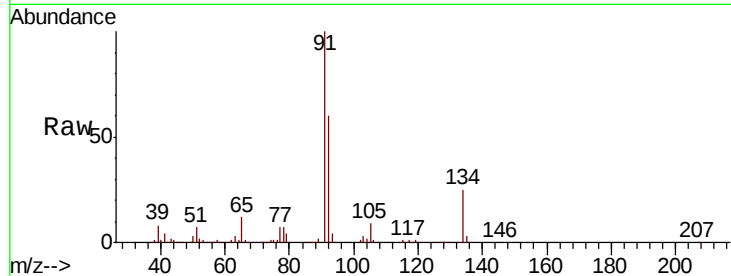
#89
n-Butylbenzene
Concen: 22.753 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	31.6	94.7
134	24.6	13.8	41.4

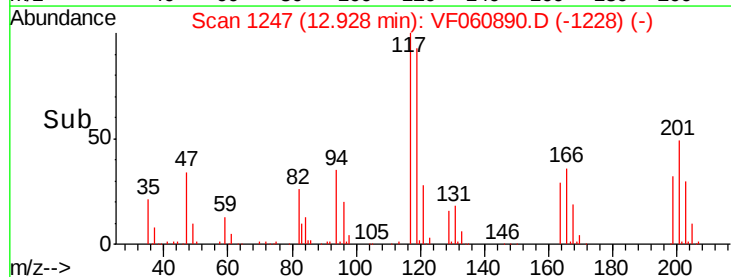
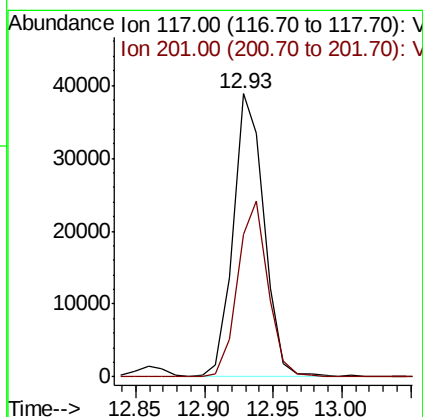
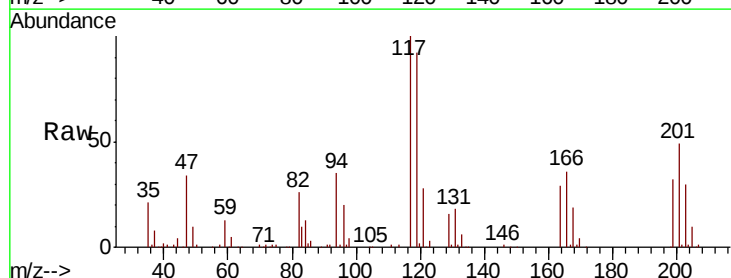
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#90
Hexachloroethane
Concen: 22.063 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060890.D
Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	50.2	26.7	80.1





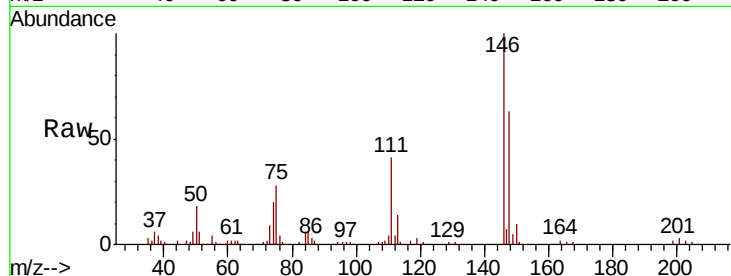
#91
 1,2-Dichlorobenzene
 Concen: 22.397 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

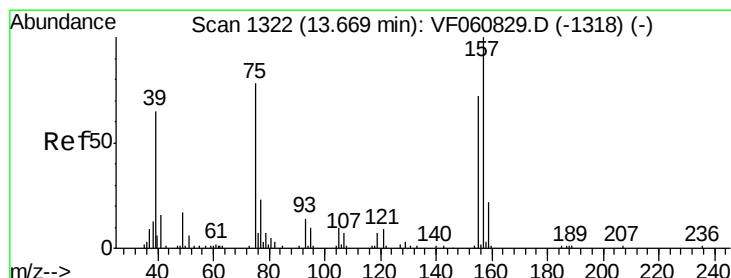
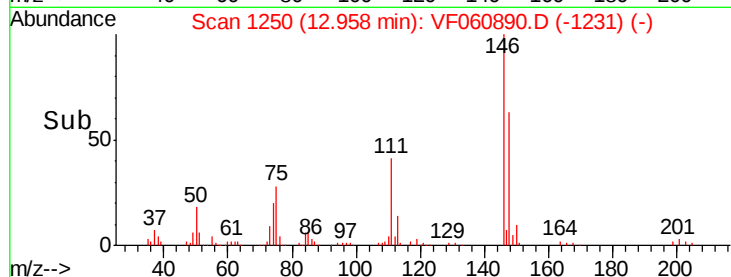
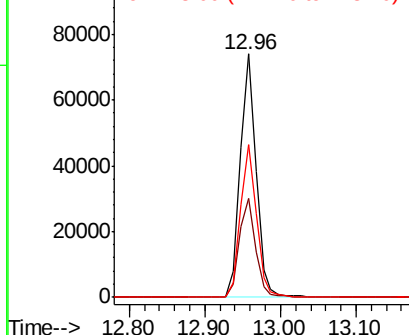
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.2	63.6
148	62.7	32.5	97.5

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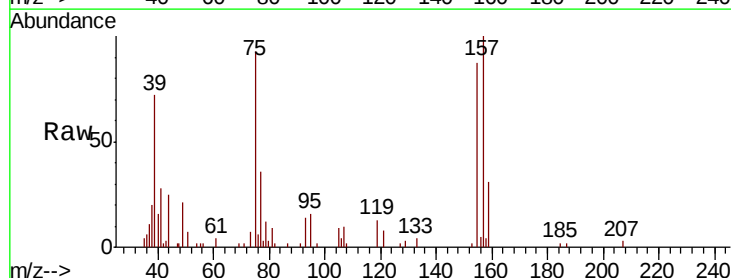


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

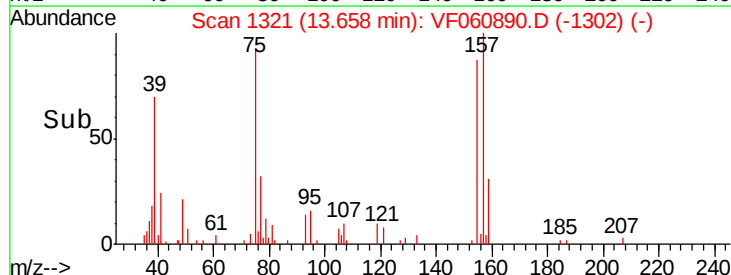
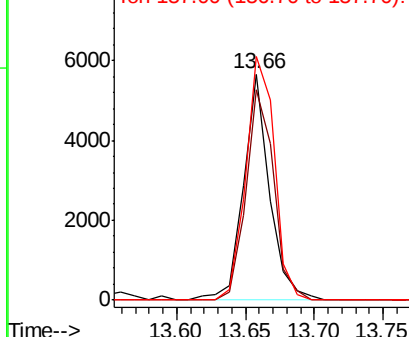


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.633 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	45.6	136.9
157	107.6	63.8	191.5



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





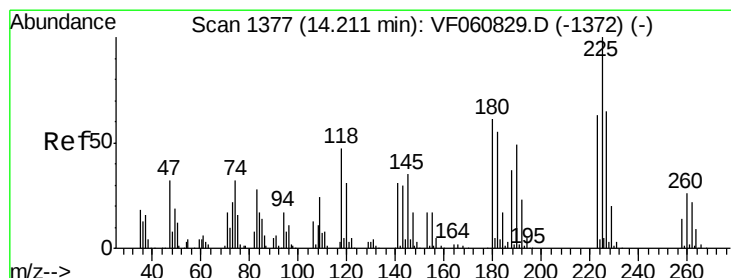
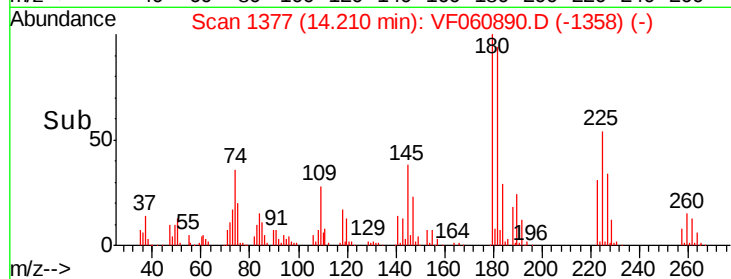
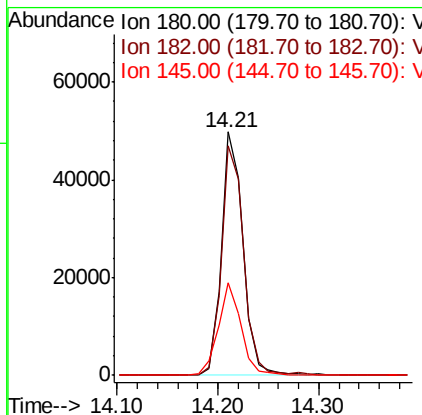
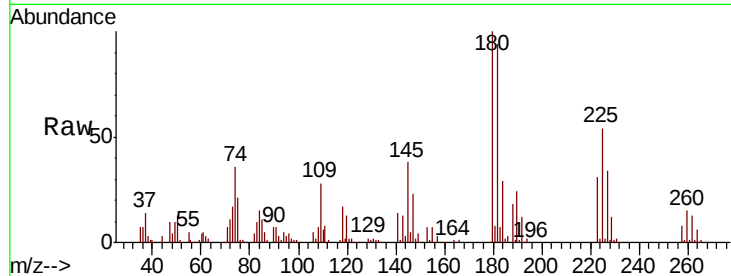
#93
 1,2,4-Trichlorobenzene
 Concen: 22.385 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	74505		
182	94.2		48.5	145.5
145	38.1		18.1	54.3

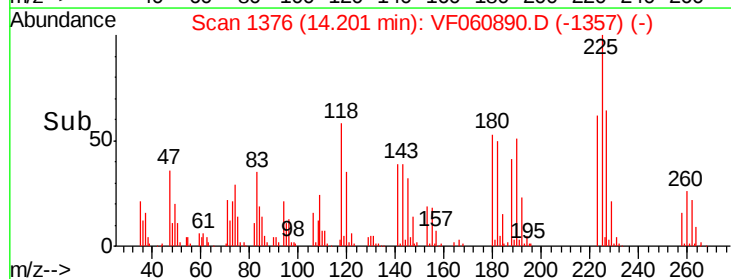
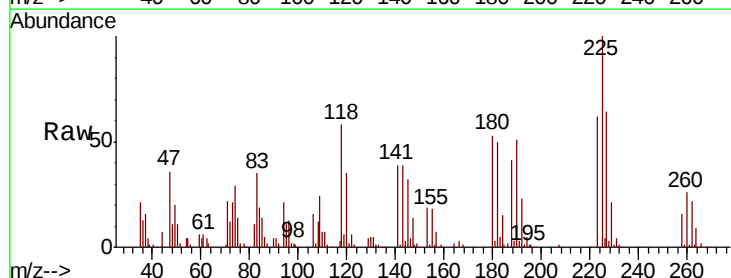
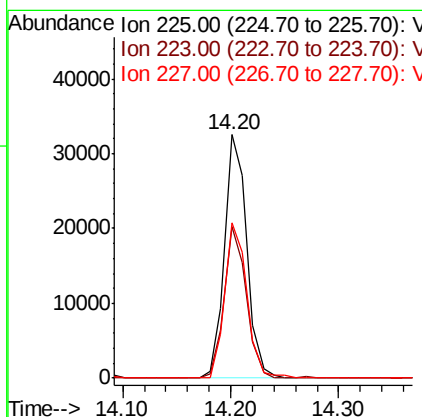
Manual Integrations
 APPROVED

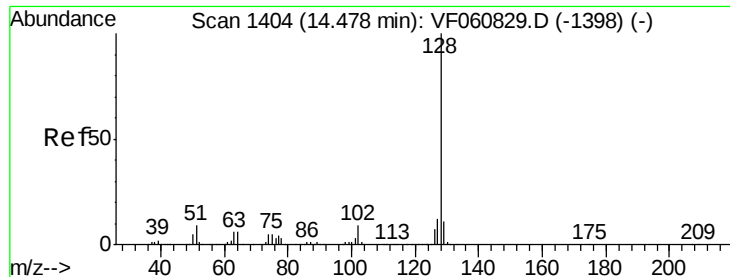
apatel
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#94
 Hexachlorobutadiene
 Concen: 21.021 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060890.D
 Acq: 3 Dec 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46640		
223	62.1		31.4	94.3
227	63.7		32.5	97.5





#95

Naphthalene

Concen: 19.183 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Instrument :

MSVOA_F

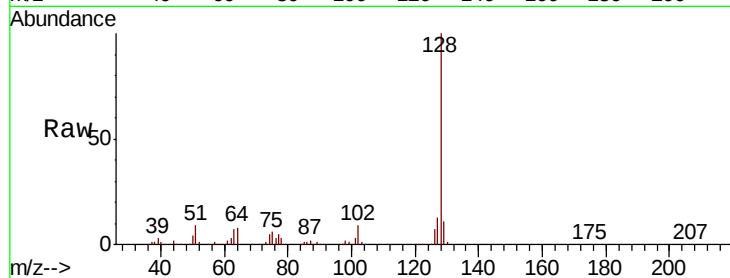
ClientSampleId :

VF1203SBS01

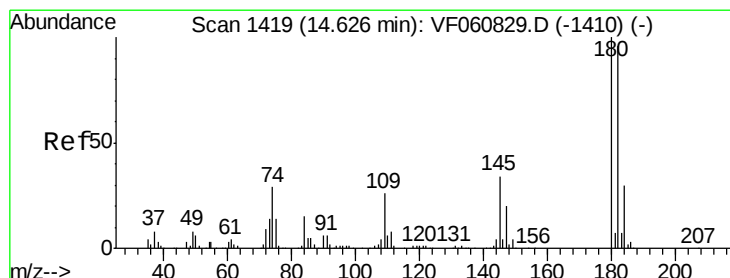
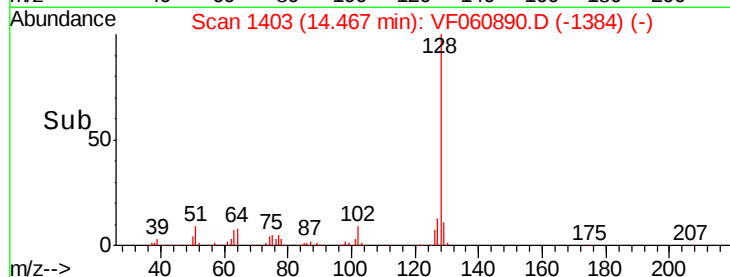
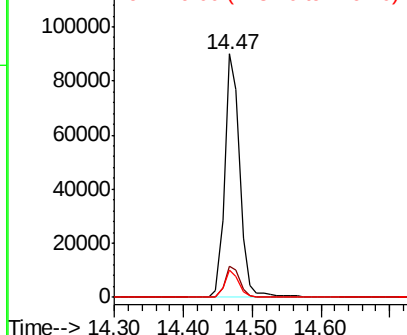
Tot Ion:	128	Resp:	137854
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.9	14.9
129	11.2	9.1	13.7

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.734 ug/l

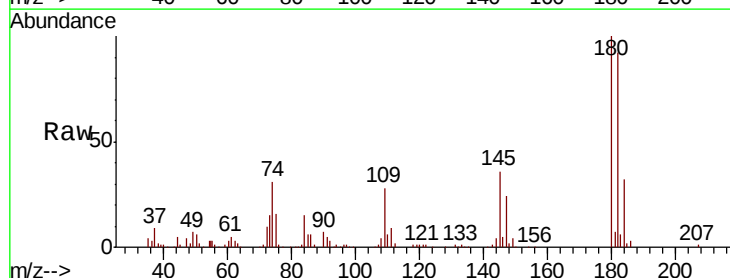
RT: 14.61 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF060890.D

Acq: 3 Dec 2018 14:35

Tgt Ion:	180	Resp:	70259
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.9	143.8
145	35.7	17.2	51.5



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

