

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060830.D
 Acq On : 26 Nov 2018 18:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 11/27/2018 3:16:59 PM

Quant Time: Nov 27 01:01:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	189346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	306713	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.81	117	294102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	152348	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	157253	71.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	143.40%	
35) Dibromofluoromethane	4.15	113	164362	69.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	138.68%	
50) Toluene-d8	7.59	98	503288	72.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.20%	
62) 4-Bromofluorobenzene	11.44	95	219246	68.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	193511	59.204	ug/l	98
3) Chloromethane	1.11	50	120556	60.079	ug/l	97
4) Vinyl Chloride	1.15	62	115274	63.169	ug/l	96
5) Bromomethane	1.35	94	79713	67.457	ug/l	99
6) Chloroethane	1.40	64	52543	73.575	ug/l	93
7) Trichlorofluoromethane	1.50	101	265826m	66.203	ug/l	
8) Diethyl Ether	1.64	74	36162	68.938	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	126446	65.623	ug/l	92
10) Methyl Iodide	1.93	142	195971m	63.842	ug/l	
11) Tert butyl alcohol	2.59	59	34518	356.492	ug/l	96
12) 1,1-Dichloroethene	1.81	96	99859	65.093	ug/l	99
13) Acrolein	2.02	56	28659	313.035	ug/l	96
14) Allyl chloride	2.12	41	122882	46.016	ug/l	93
15) Acrylonitrile	2.96	53	67240	325.066	ug/l	97
16) Acetone	2.25	43	137679	311.062	ug/l	96
17) Carbon Disulfide	1.84	76	273140m	60.662	ug/l	
18) Methyl Acetate	2.36	43	50086	67.749	ug/l	99
19) Methyl tert-butyl Ether	2.45	73	231283	63.901	ug/l	98
20) Methylene Chloride	2.27	84	92429m	54.239	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	101682m	65.083	ug/l	
22) Diisopropyl ether	2.83	45	360289	69.757	ug/l	100
23) Vinyl Acetate	3.21	43	889222	369.873	ug/l	97
24) 1,1-Dichloroethane	2.89	63	213071	67.479	ug/l	99
25) 2-Butanone	4.36	43	239424	320.689	ug/l	99
26) 2,2-Dichloropropane	3.62	77	131555	54.776	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	162528	61.226	ug/l	96
28) Bromochloromethane	3.75	49	100471	63.040	ug/l	95
29) Tetrahydrofuran	4.11	42	101295	328.364	ug/l	94
30) Chloroform	3.89	83	306599	62.061	ug/l	96
31) Cyclohexane	3.72	56	219632m	59.361	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	219779m	56.670	ug/l	
36) 1,1-Dichloropropene	4.32	75	227569	64.302	ug/l	96
37) Ethyl Acetate	4.15	43	95506	71.516	ug/l	98
38) Carbon Tetrachloride	4.02	117	190444	55.330	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	251729m	62.396	ug/l	
40) Benzene	4.67	78	507138	64.448	ug/l	98
41) Methacrylonitrile	4.78	41	52764	65.980	ug/l	94
42) 1,2-Dichloroethane	4.98	62	188521	67.940	ug/l	97
43) Isopropyl Acetate	6.99	43	125636	70.515	ug/l #	98
44) Trichloroethene	5.54	130	162802	64.798	ug/l	94
45) 1,2-Dichloropropane	6.27	63	140938	67.620	ug/l	94
46) Dibromomethane	6.12	93	95259	69.747	ug/l	95
47) Bromodichloromethane	6.42	83	251088	72.110	ug/l	98
48) Methyl methacrylate	6.75	41	88148	73.946	ug/l	92
49) 1,4-Dioxane	6.74	88	14643	1346.029	ug/l	87
51) 4-Methyl-2-Pentanone	8.29	43	438465	343.852	ug/l	100
52) Toluene	7.66	92	349841	66.229	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	194258	68.808	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	247263	66.993	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	104743	68.759	ug/l	95
56) Ethyl methacrylate	8.66	69	123167	70.419	ug/l	97
57) 1,3-Dichloropropane	8.89	76	193460	72.021	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.33	63	66717	419.740	ug/l	99
59) 2-Hexanone	9.52	43	301132	334.284	ug/l	100
60) Dibromochloromethane	8.75	129	161635	73.383	ug/l	98
61) 1,2-Dibromoethane	9.02	107	116153	72.249	ug/l	91
64) Tetrachloroethene	8.19	164	155189	68.702	ug/l	96
65) Chlorobenzene	9.83	112	378518	64.144	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.97	131	166000	65.695	ug/l	96
67) Ethyl Benzene	9.94	91	736058	66.599	ug/l	96
68) m/p-Xylenes	10.16	106	512844	130.303	ug/l	99
69) o-Xylene	10.75	106	284337	64.502	ug/l	96
70) Styrene	10.82	104	371885	61.789	ug/l	96
71) Bromoform	10.81	173	86145	75.034	ug/l	93
73) Isopropylbenzene	11.15	105	802665	65.746	ug/l	97
74) N-amyl acetate	11.40	43	191817	68.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	136609	67.906	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	97650	64.598	ug/l	96
77) Bromobenzene	11.53	156	175854	67.969	ug/l	90
78) n-propylbenzene	11.62	91	924379	64.081	ug/l	94
79) 2-Chlorotoluene	11.74	91	525874	63.431	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	639525	65.687	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	48331m	65.936	ug/l	
82) 4-Chlorotoluene	11.92	91	562007	65.973	ug/l	99
83) tert-Butylbenzene	12.16	119	639897	62.835	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	626967	62.147	ug/l	99
85) sec-Butylbenzene	12.34	105	886908	63.677	ug/l	95
86) p-Isopropyltoluene	12.48	119	748030	64.695	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	324270	63.873	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	331155	68.086	ug/l	98
89) n-Butylbenzene	12.87	91	739423	61.697	ug/l	97
90) Hexachloroethane	12.94	117	186072	65.689	ug/l	96
91) 1,2-Dichlorobenzene	12.97	146	313498	65.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.67	75	28179	74.581	ug/l	93

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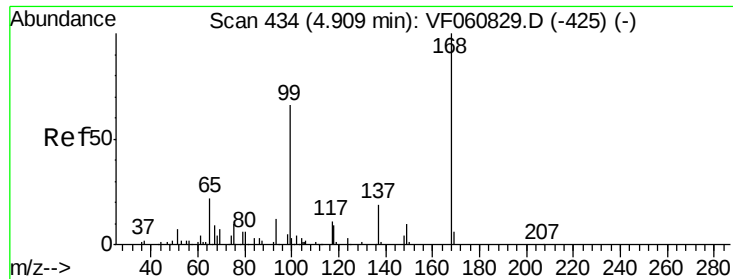
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	221455	65.004	ug/l	98
94) Hexachlorobutadiene	14.21	225	149663	67.714	ug/l	98
95) Naphthalene	14.48	128	462676	74.248	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	214946	68.868	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 189346

Ion Ratio Lower Upper

168 100

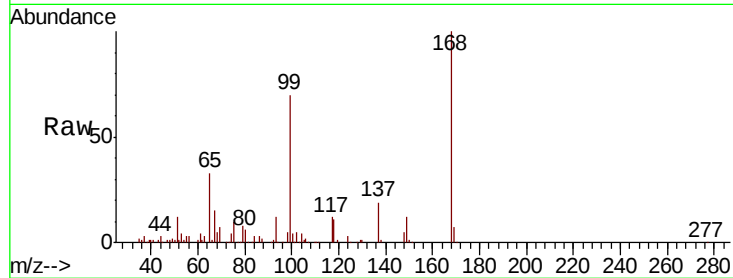
99 70.4 52.6 79.0

Manual Integrations

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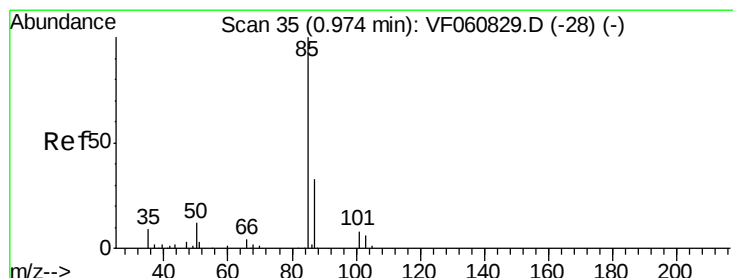
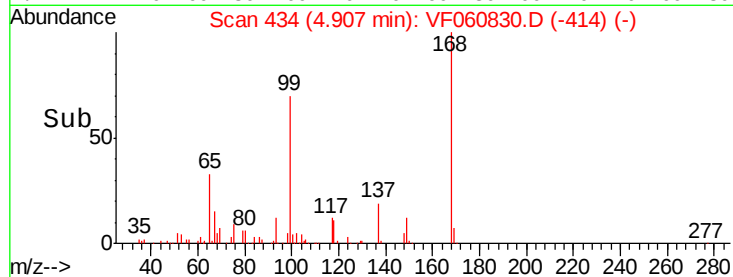
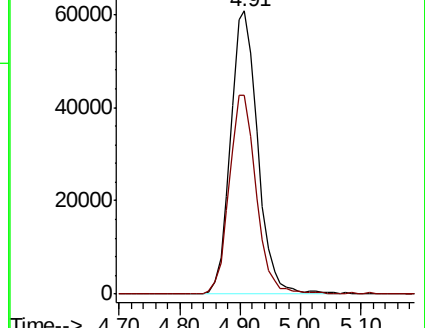
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 59.204 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060830.D

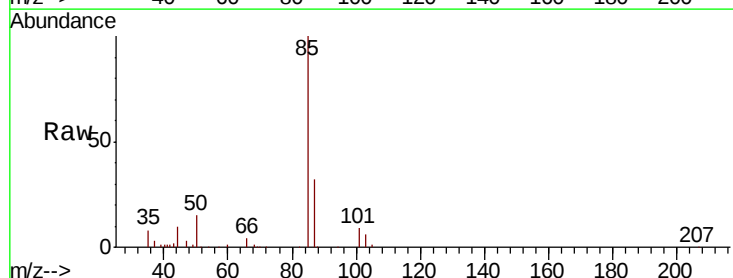
Acq: 26 Nov 2018 18:59

Tgt Ion: 85 Resp: 193511

Ion Ratio Lower Upper

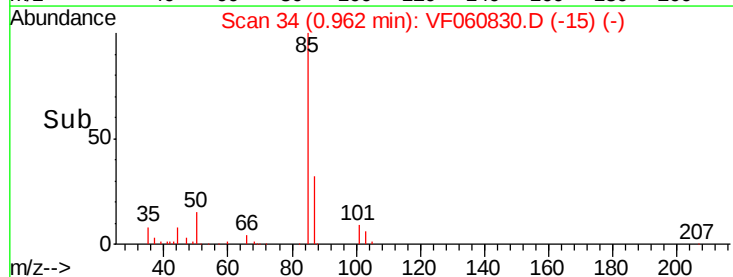
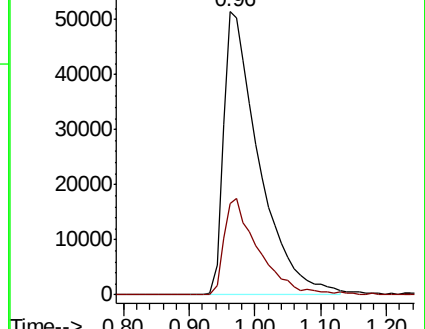
85 100

87 32.2 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 60.079 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 120556

Ion Ratio Lower Upper

50 100

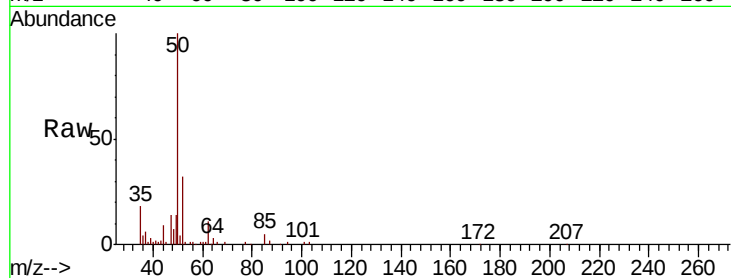
52 32.2 27.0 40.4

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

30000

25000

20000

15000

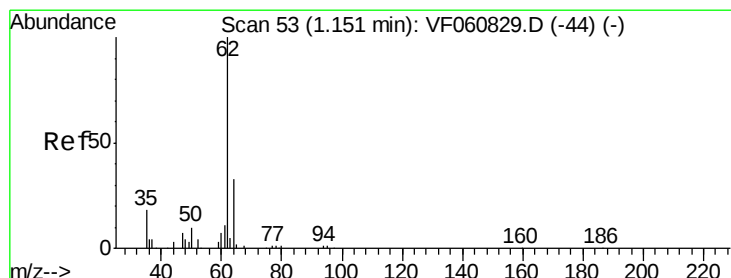
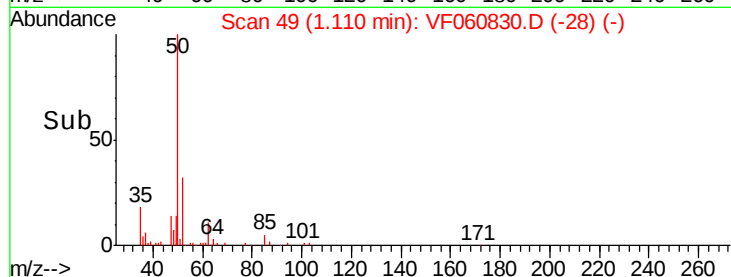
10000

5000

0

1.00 1.10 1.20 1.30

Time-->



#4

Vinyl Chloride

Concen: 63.169 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060830.D

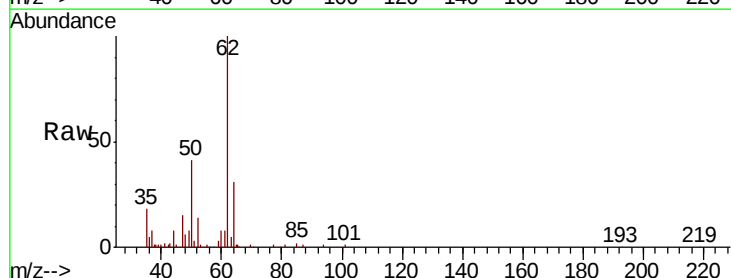
Acq: 26 Nov 2018 18:59

Tgt Ion: 62 Resp: 115274

Ion Ratio Lower Upper

62 100

64 30.7 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

30000

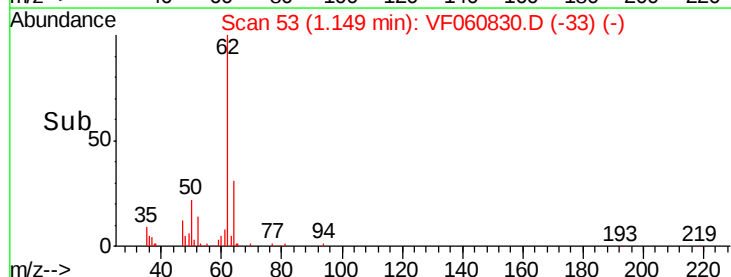
20000

10000

0

1.00 1.10 1.20 1.30

Time-->





#5

Bromomethane

Concen: 67.457 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 79713

Ion Ratio Lower Upper

94 100

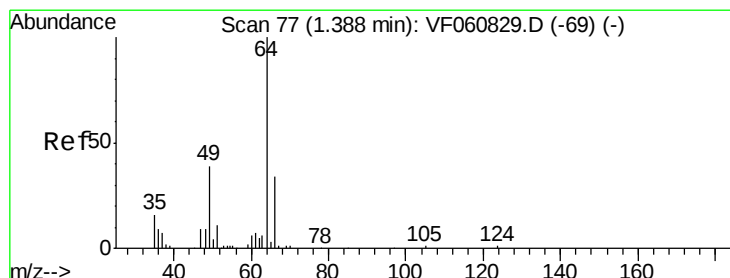
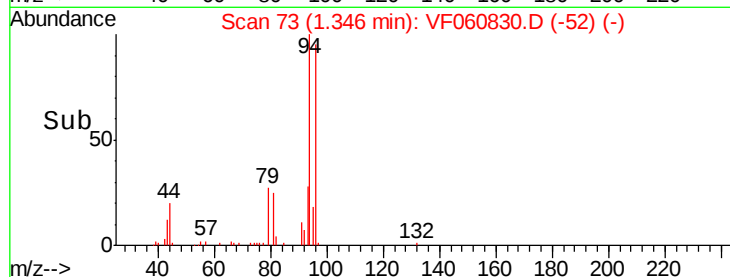
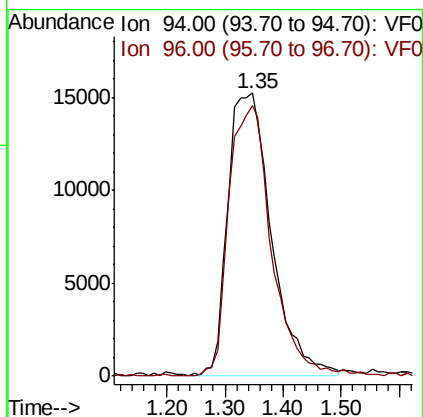
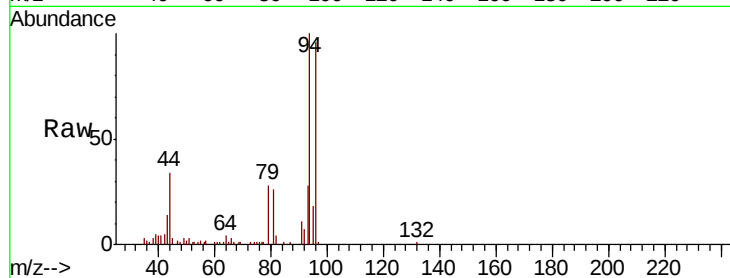
96 95.5 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 73.575 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060830.D

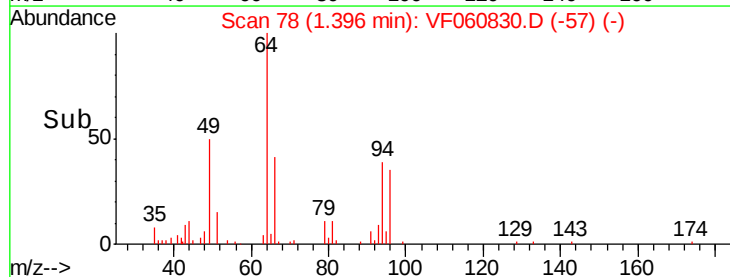
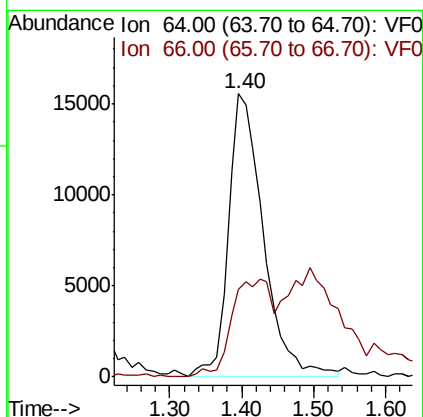
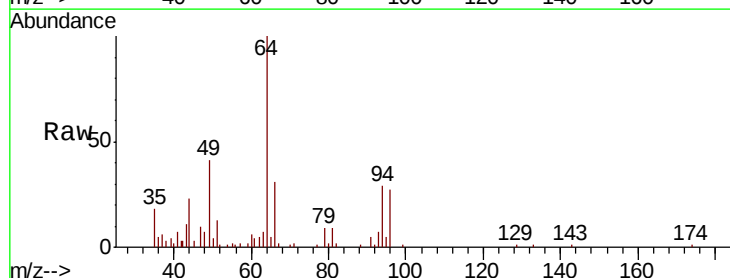
Acq: 26 Nov 2018 18:59

Tgt Ion: 64 Resp: 52543

Ion Ratio Lower Upper

64 100

66 31.1 28.1 42.1





#7

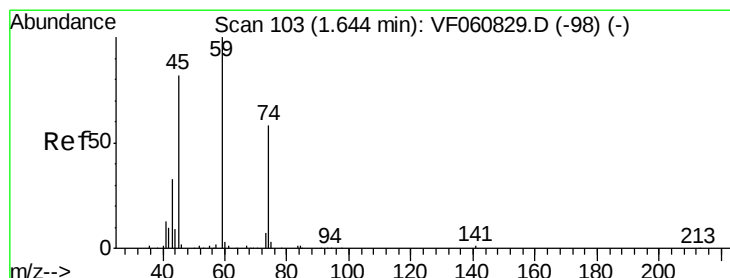
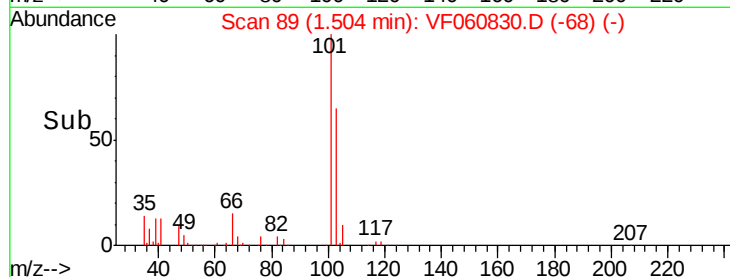
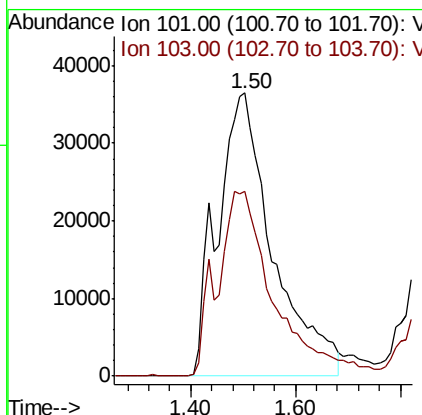
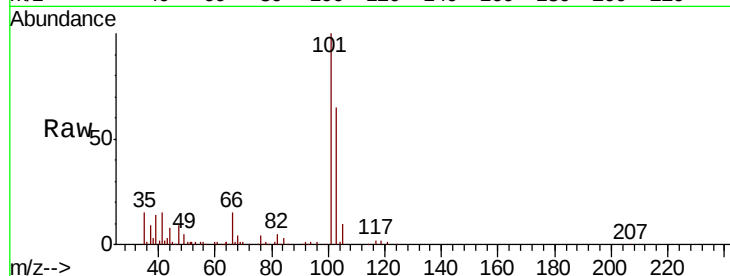
Trichlorofluoromethane
Concen: 66.203 ug/l
RT: 1.50 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

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MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:101 Resp: 265826
Ion Ratio Lower Upper
101 100
103 65.5 55.4 83.0

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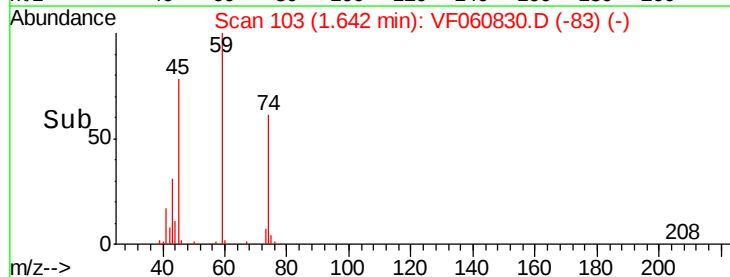
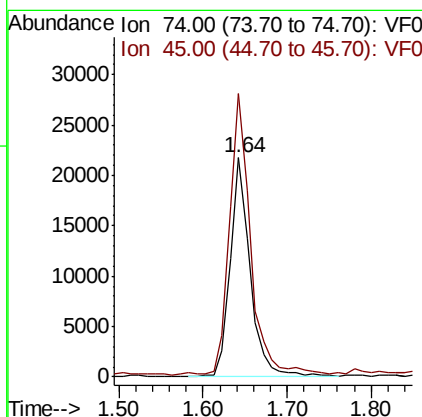
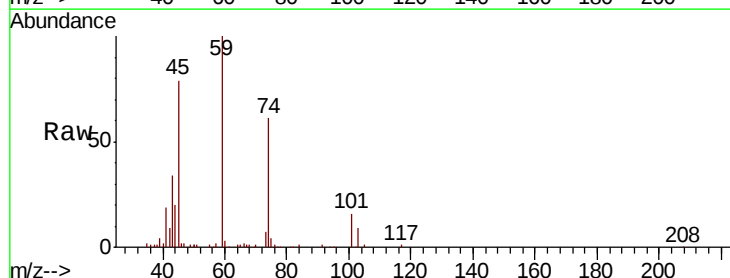
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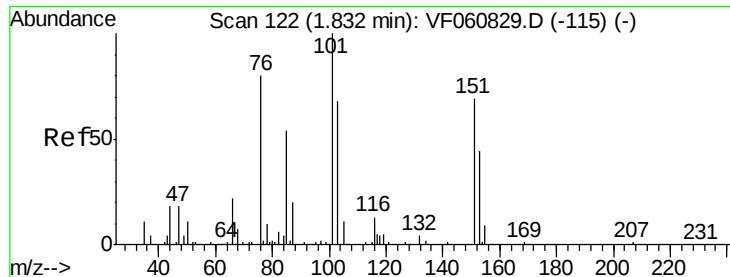


#8

Diethyl Ether
Concen: 68.938 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 74 Resp: 36162
Ion Ratio Lower Upper
74 100
45 129.2 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 65.623 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

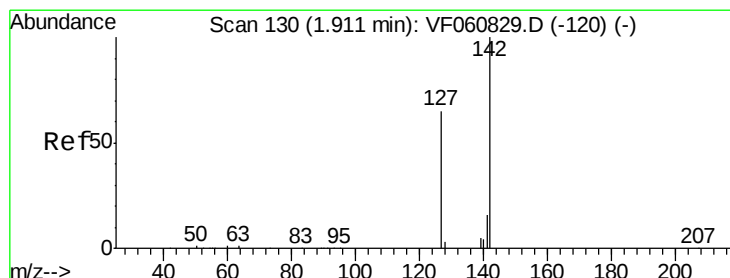
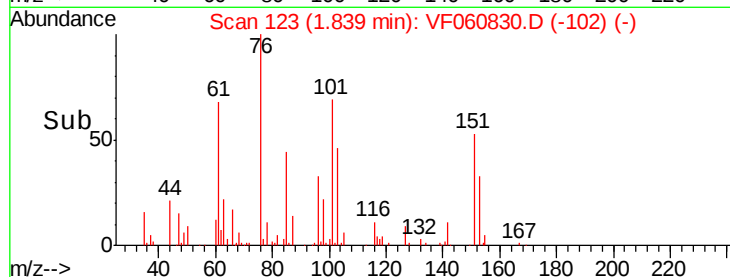
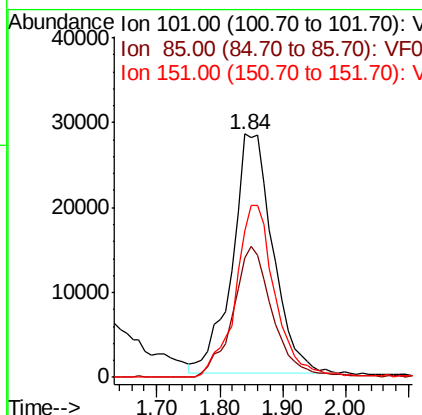
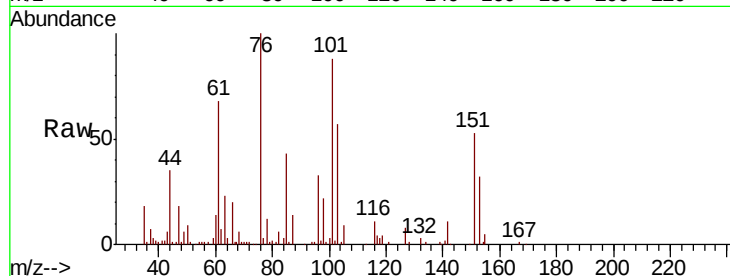
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	126446
Ion Ratio	Lower	Upper	
101	100		
85	49.3	42.8	64.2
151	60.1	54.4	81.6

Manual Integrations
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#10

Methyl Iodide

Concen: 63.842 ug/l m

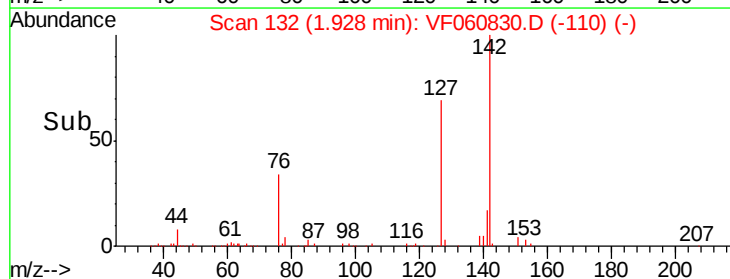
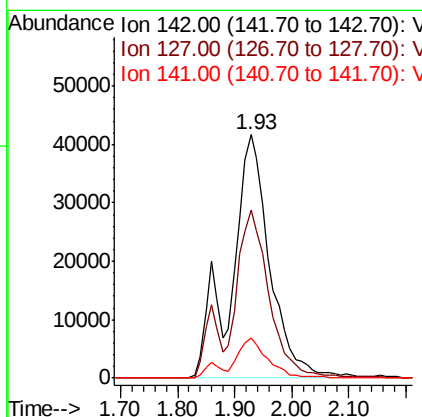
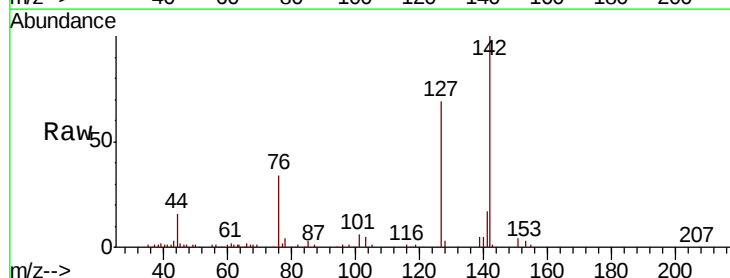
RT: 1.93 min Scan# 132

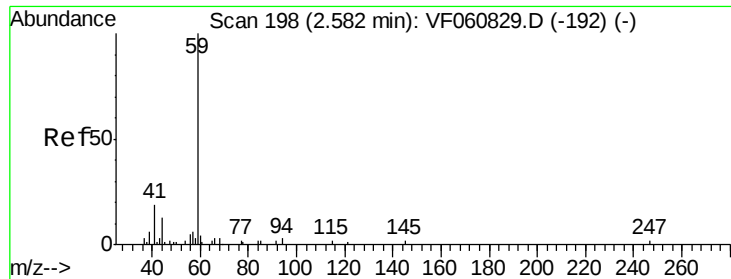
Delta R.T. 0.02 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion:	142	Resp:	195971
Ion Ratio	Lower	Upper	
142	100		
127	69.3	51.9	77.9
141	16.6	12.7	19.1





#11

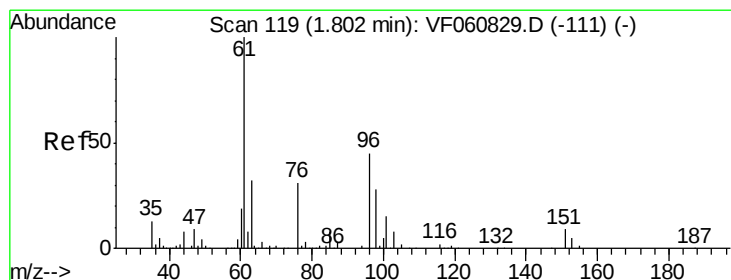
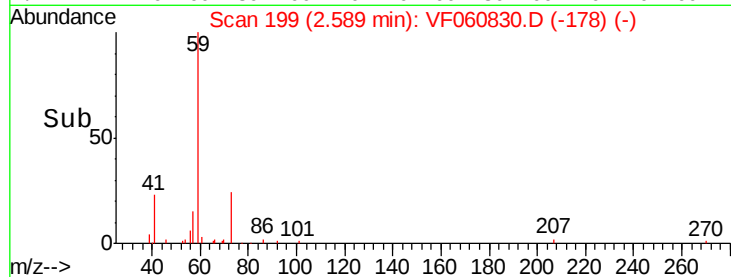
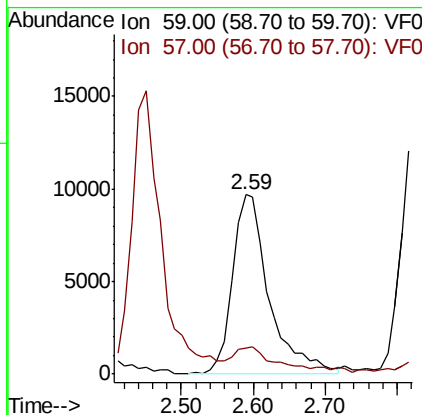
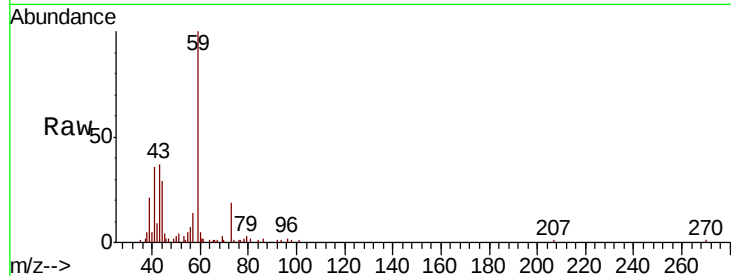
Tert butyl alcohol
 Concen: 356.492 ug/l
 RT: 2.59 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion: 59 Resp: 34518
 Ion Ratio Lower Upper
 59 100
 57 14.3 12.7 19.1

Manual Integrations
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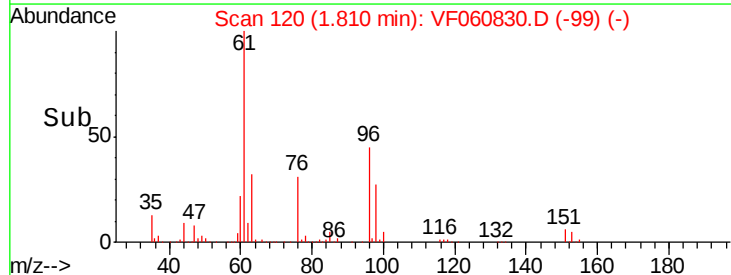
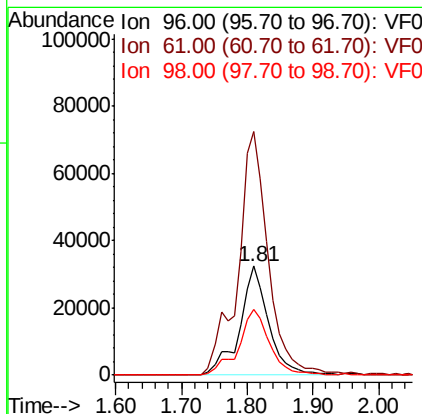
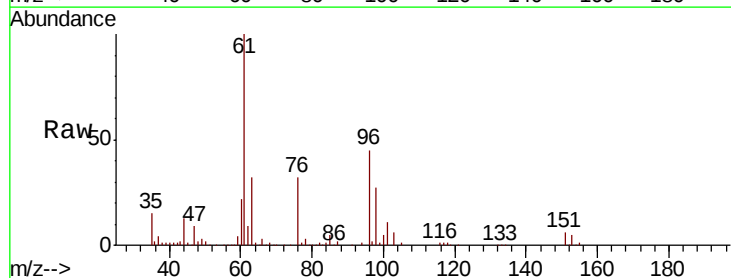
apatel
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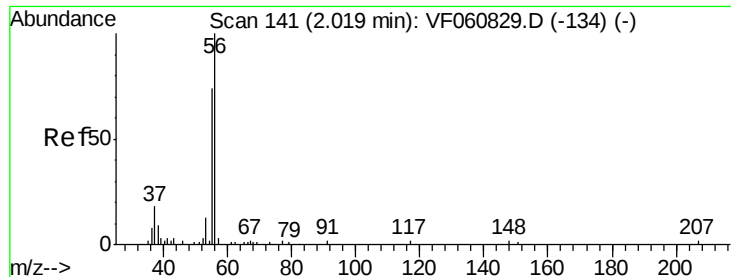


#12

1,1-Dichloroethene
 Concen: 65.093 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion: 96 Resp: 99859
 Ion Ratio Lower Upper
 96 100
 61 223.6 177.3 265.9
 98 60.1 49.6 74.4





#13

Acrolein

Concen: 313.035 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 28659

Ion Ratio Lower Upper

56 100

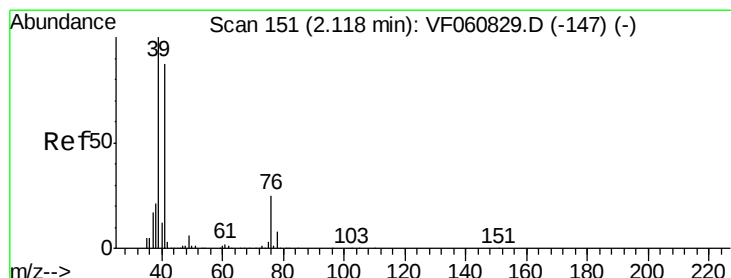
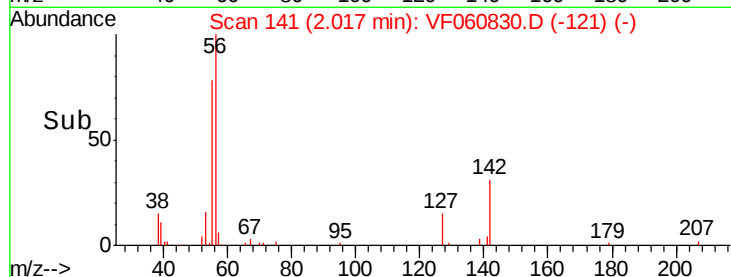
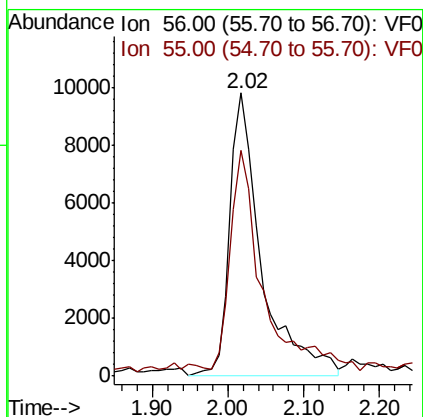
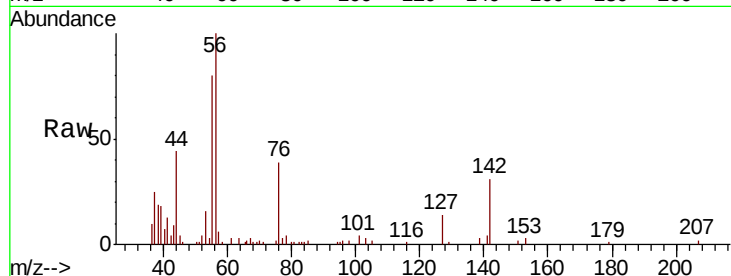
55 79.8 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 46.016 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

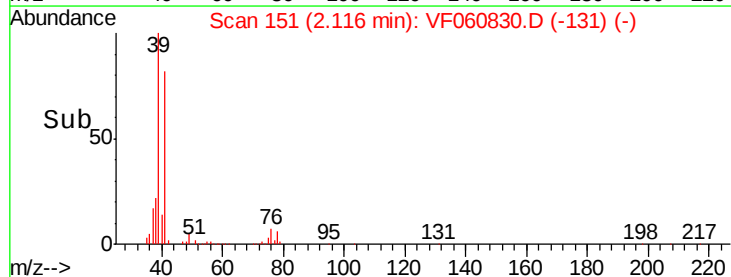
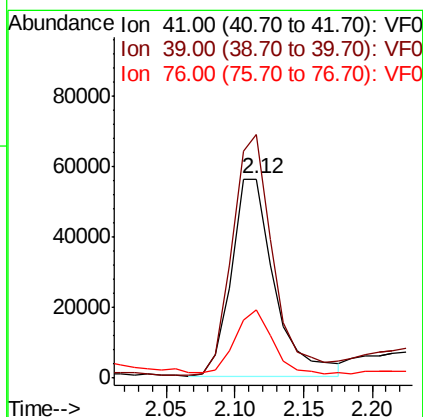
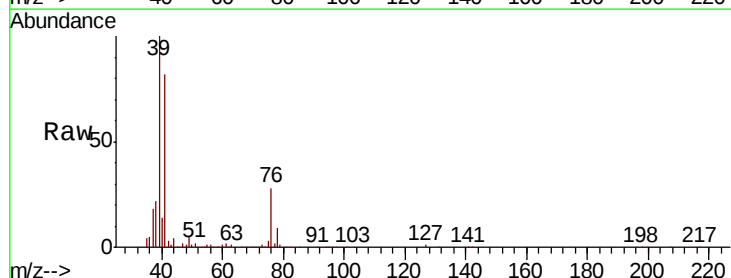
Tgt Ion: 41 Resp: 122882

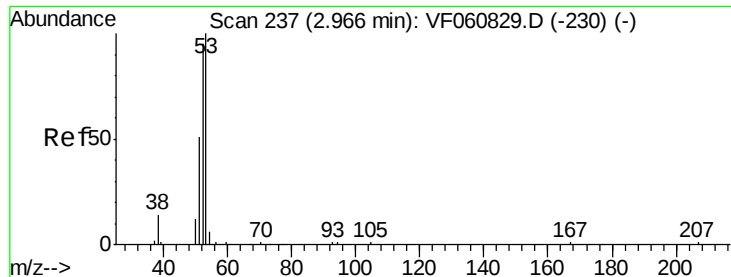
Ion Ratio Lower Upper

41 100

39 122.1 91.7 137.5

76 34.5 23.5 35.3





#15

Acrylonitrile

Concen: 325.066 ug/l

RT: 2.96 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

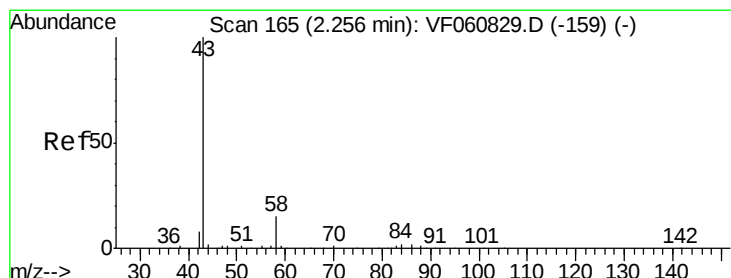
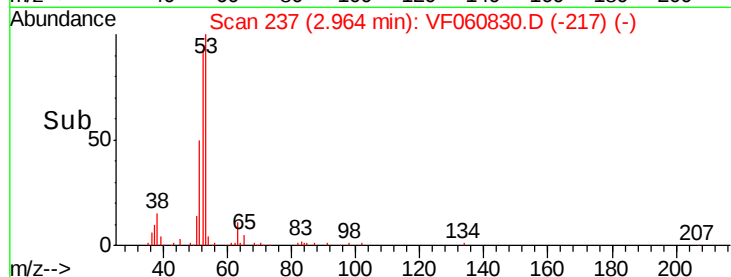
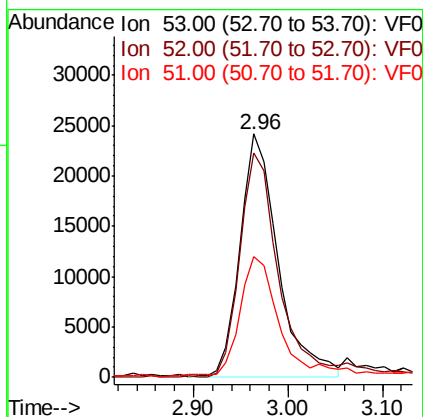
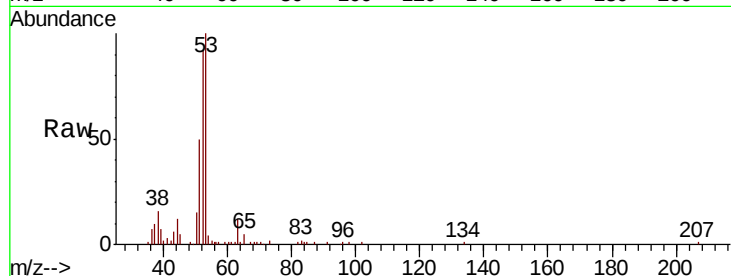
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	67240
Ion	Ratio	Lower	Upper
53	100		
52	92.2	76.5	114.7
51	49.8	40.7	61.1

Manual Integrations
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#16

Acetone

Concen: 311.062 ug/l

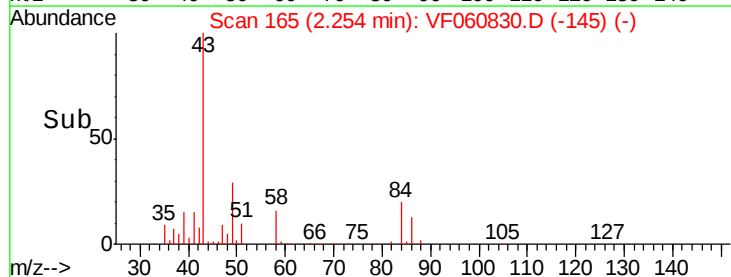
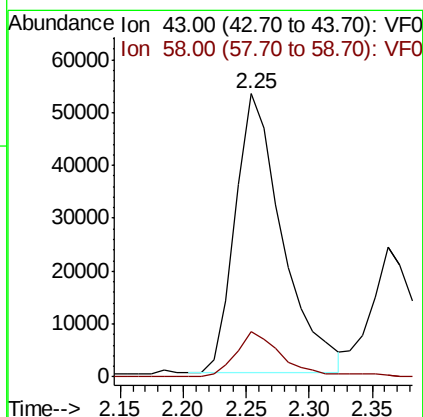
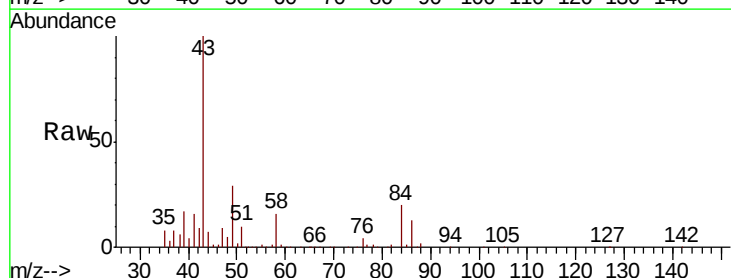
RT: 2.25 min Scan# 165

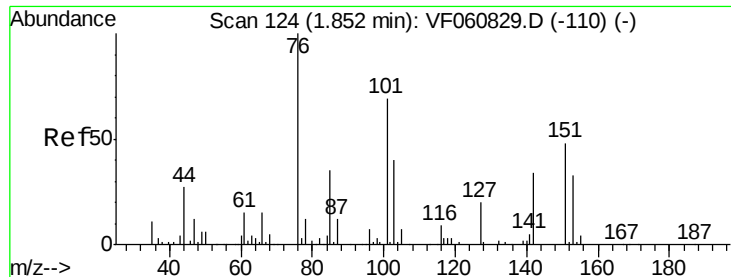
Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion:	43	Resp:	137679
Ion	Ratio	Lower	Upper
43	100		
58	15.8	11.4	17.2





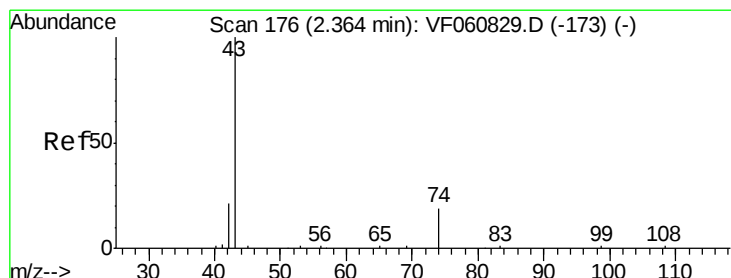
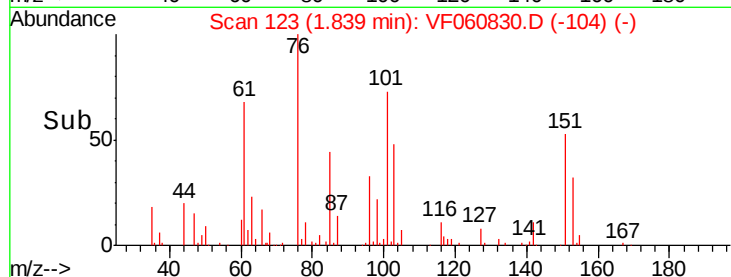
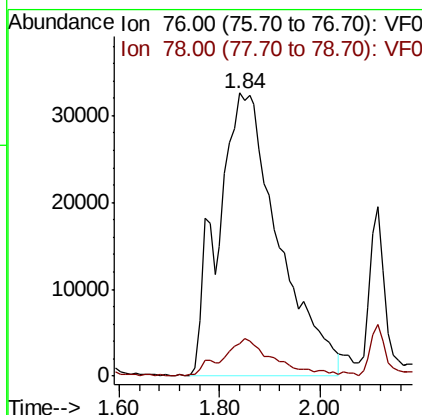
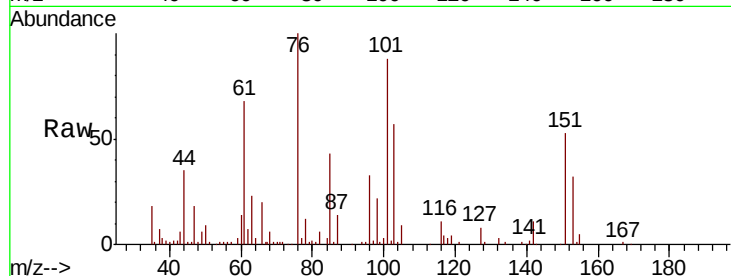
#17
Carbon Disulfide
Concen: 60.662 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 273140
Ion Ratio Lower Upper
76 100
78 11.7 10.2 15.2

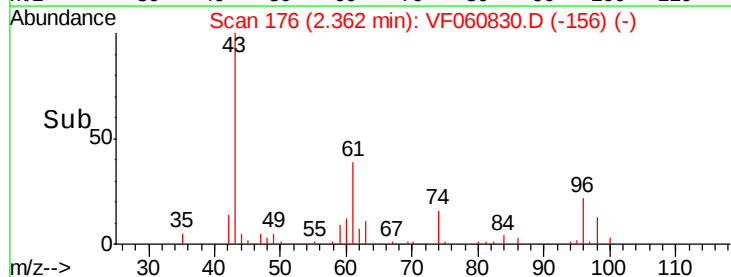
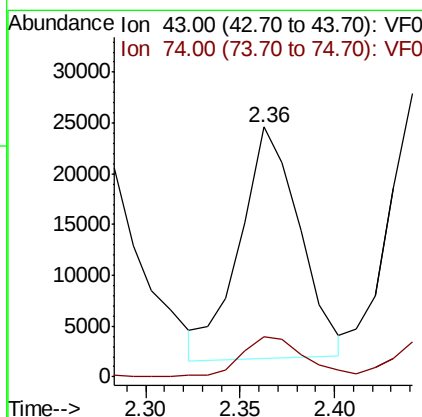
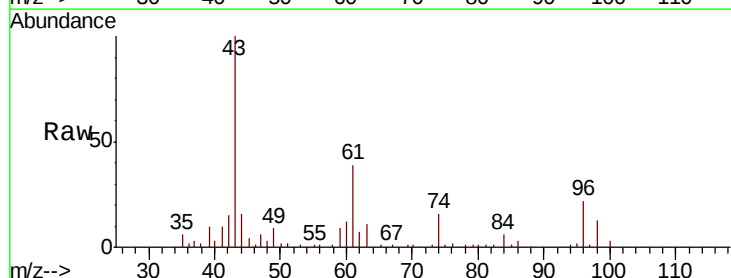
Manual Integrations
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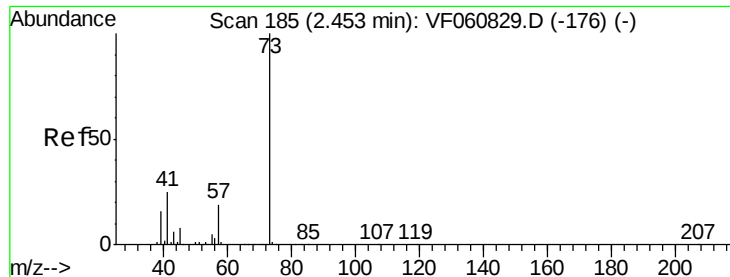
apatel
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#18
Methyl Acetate
Concen: 67.749 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 43 Resp: 50086
Ion Ratio Lower Upper
43 100
74 16.3 13.3 19.9





#19

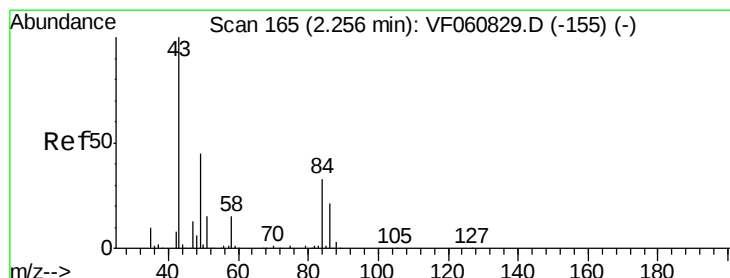
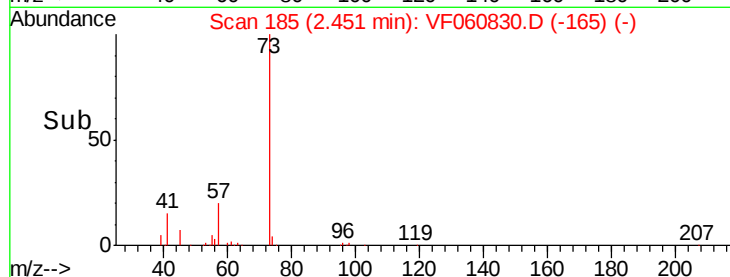
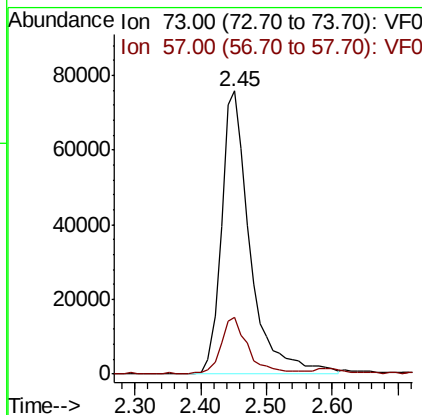
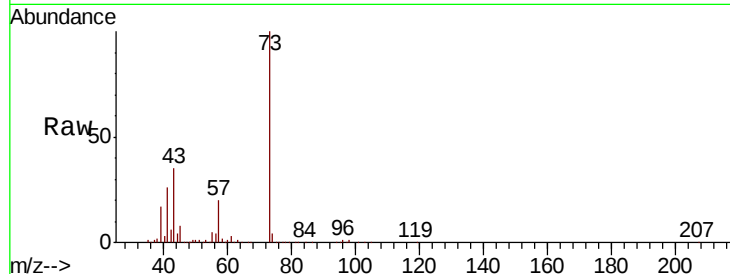
Methyl tert-butyl Ether
 Concen: 63.901 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	15.3	22.9

Manual Integrations
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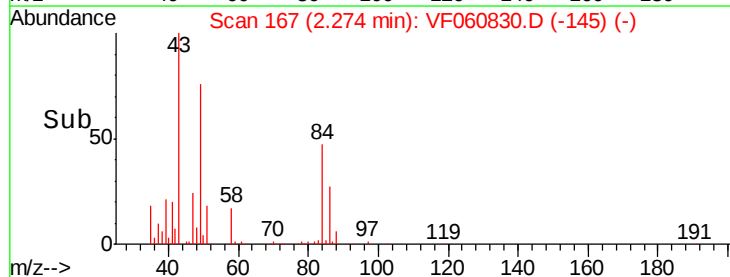
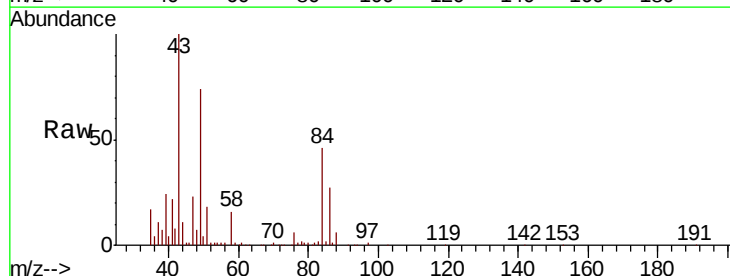
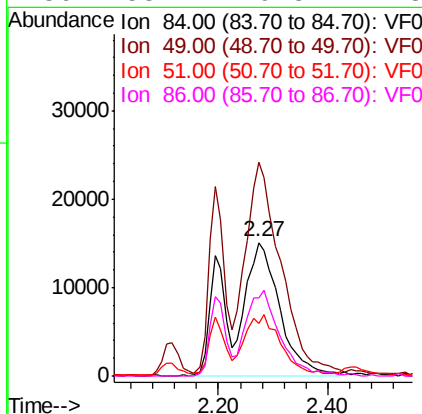
apatel
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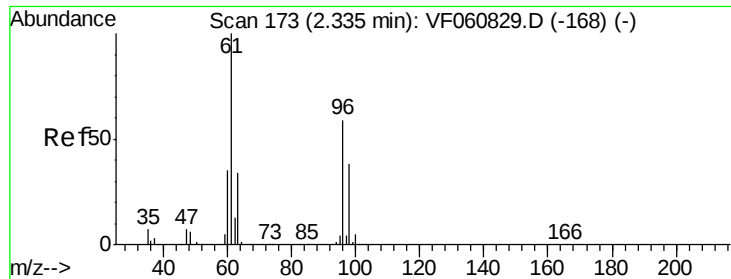


#20

Methylene Chloride
 Concen: 54.239 ug/l m
 RT: 2.27 min Scan# 167
 Delta R.T. 0.02 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.4	111.3	166.9
51	39.8	38.0	57.0
86	58.2	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 65.083 ug/l m

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

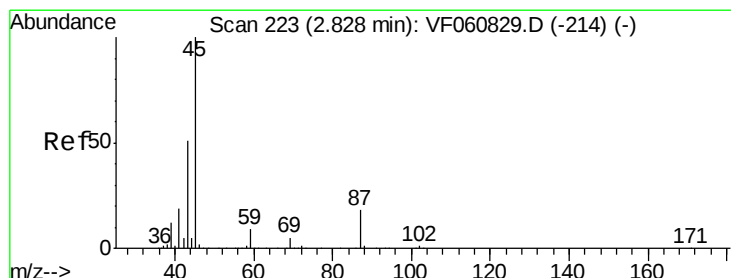
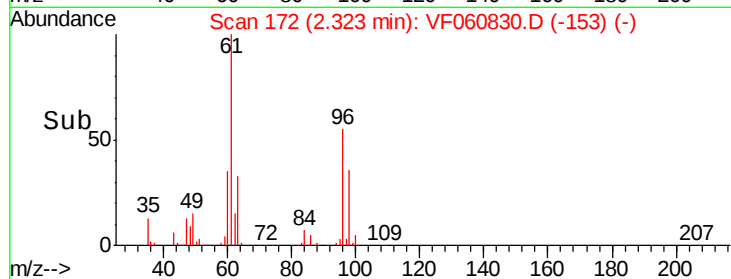
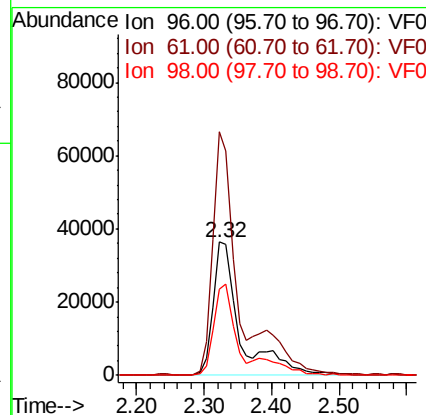
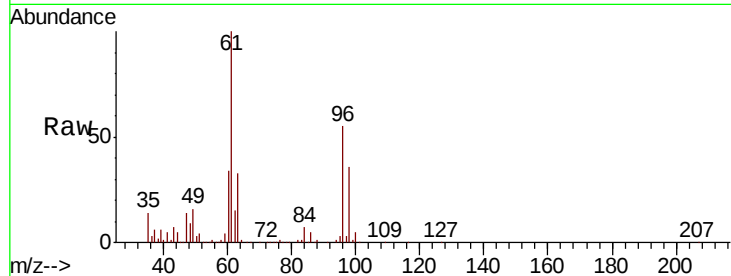
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	101682
Ion	Ratio	Lower	Upper
96	100		
61	183.1	134.5	201.7
98	65.0	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 69.757 ug/l

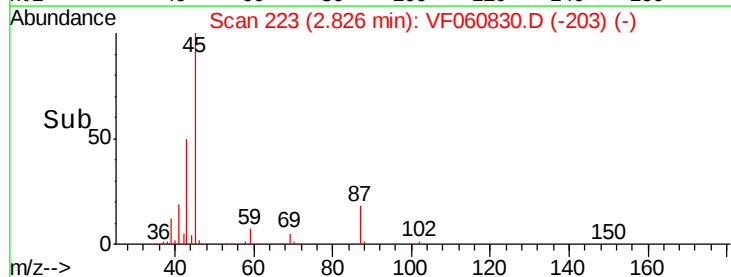
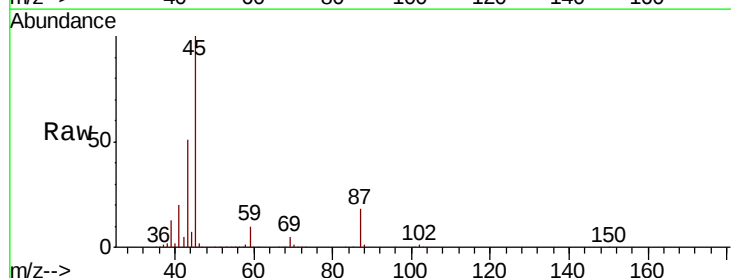
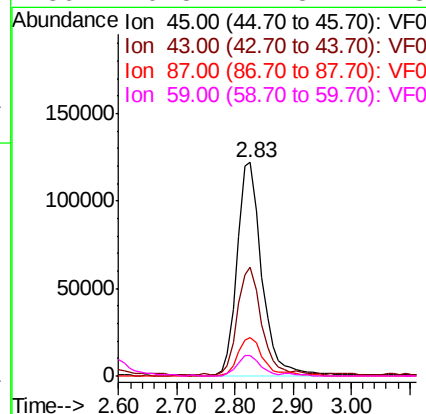
RT: 2.83 min Scan# 223

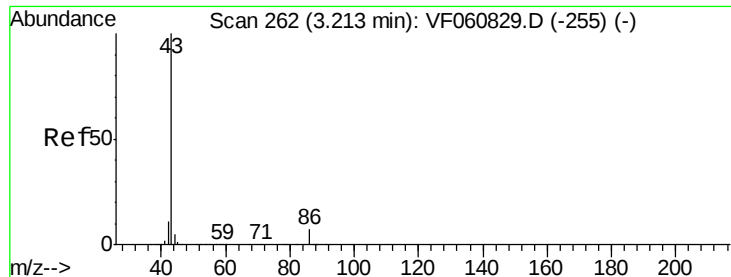
Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion:	45	Resp:	360289
Ion	Ratio	Lower	Upper
45	100		
43	51.2	41.0	61.6
87	18.2	14.6	22.0
59	9.8	7.5	11.3





#23

Vinyl Acetate

Concen: 369.873 ug/l

RT: 3.21 min Scan# 262

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 889222

Ion Ratio Lower Upper

43 100

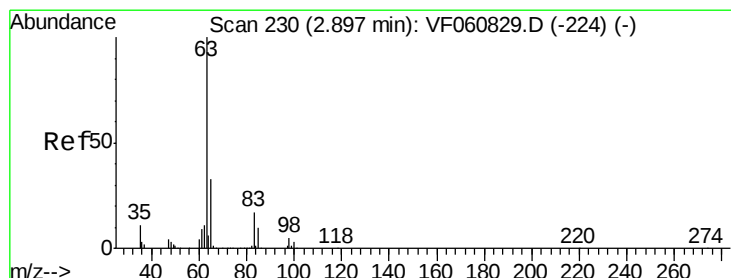
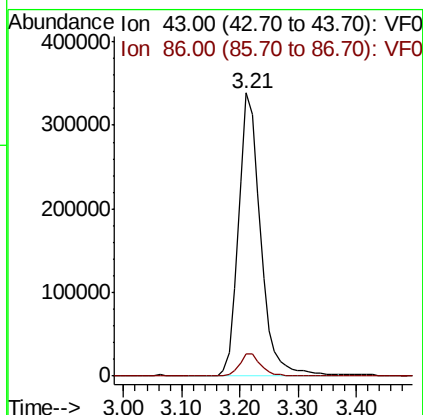
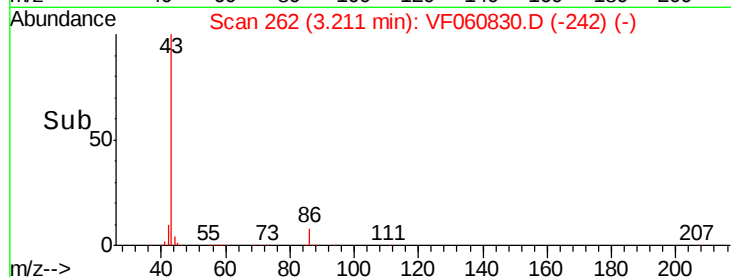
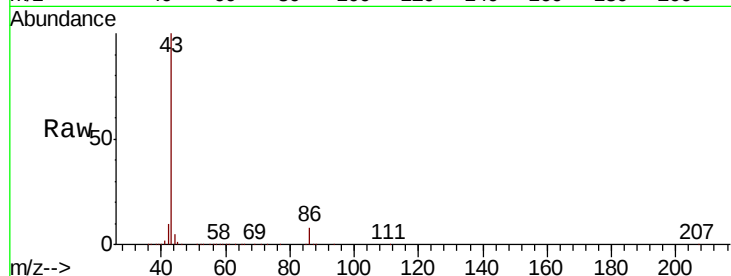
86 7.8 5.4 8.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 67.479 ug/l

RT: 2.89 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

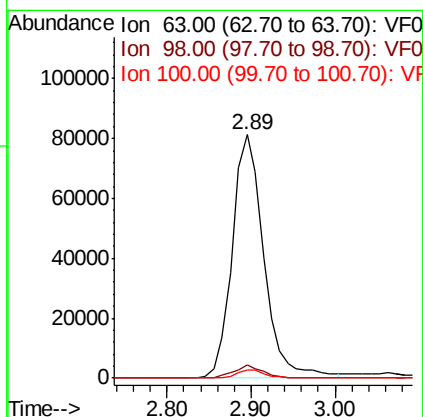
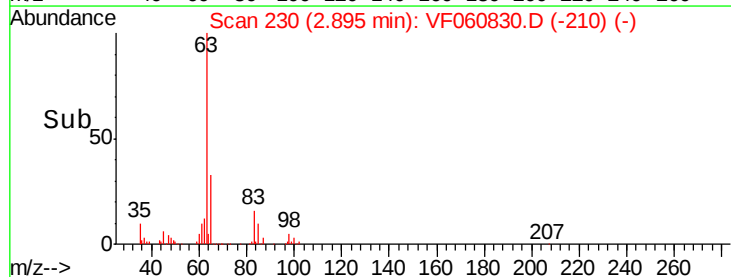
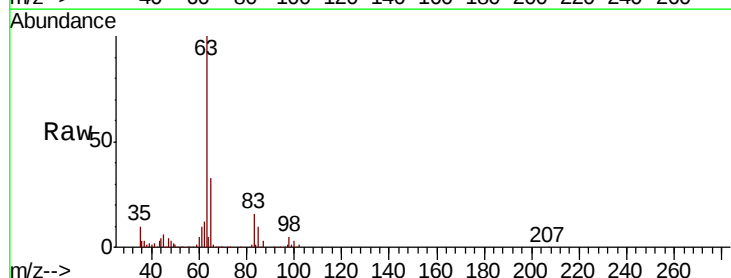
Tgt Ion: 63 Resp: 213071

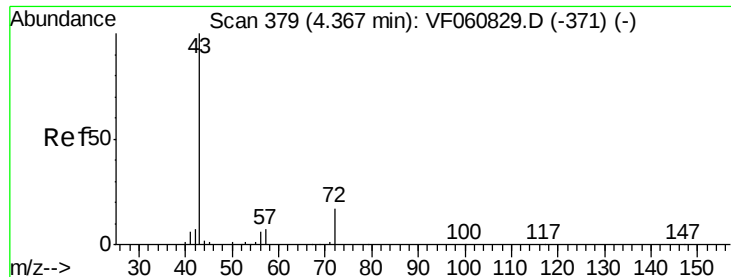
Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

100 3.2 1.5 4.5





#25

2-Butanone

Concen: 320.689 ug/l

RT: 4.36 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 239424

Ion Ratio Lower Upper

43 100

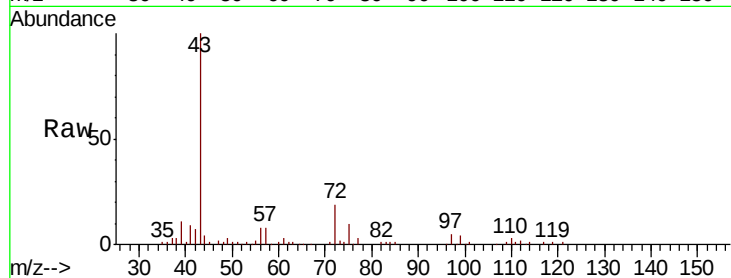
72 18.9 15.4 23.2

Manual Integrations

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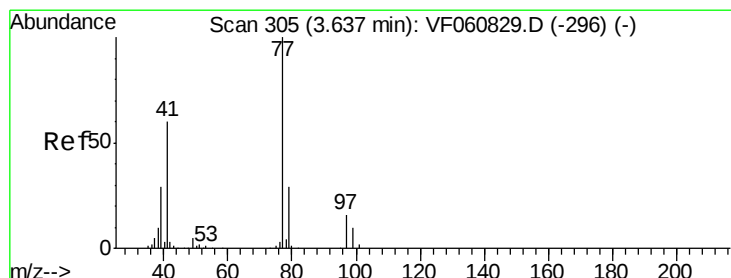
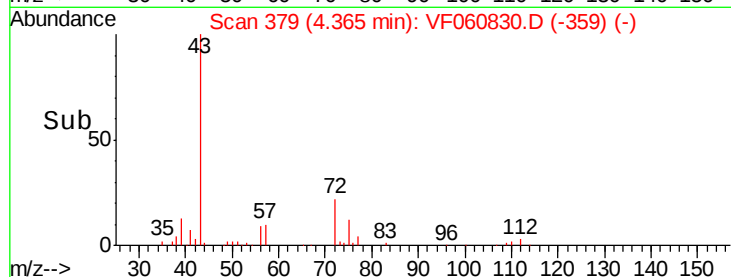
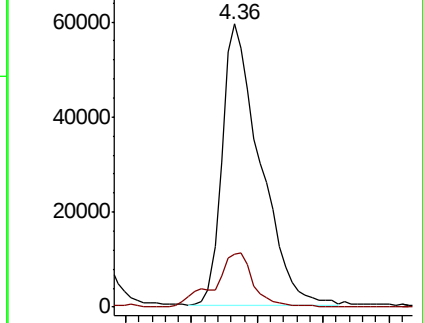
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 54.776 ug/l

RT: 3.62 min Scan# 304

Delta R.T. -0.01 min

Lab File: VF060830.D

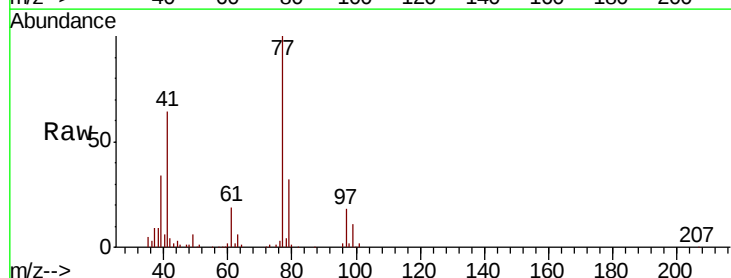
Acq: 26 Nov 2018 18:59

Tgt Ion: 77 Resp: 131555

Ion Ratio Lower Upper

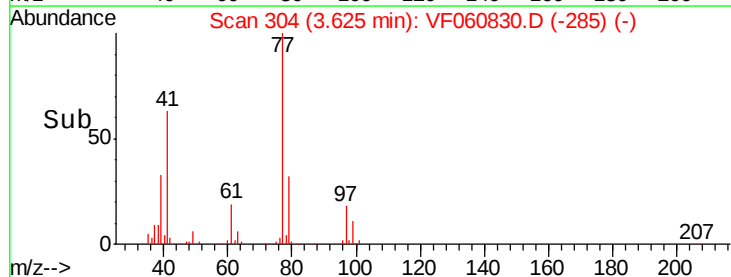
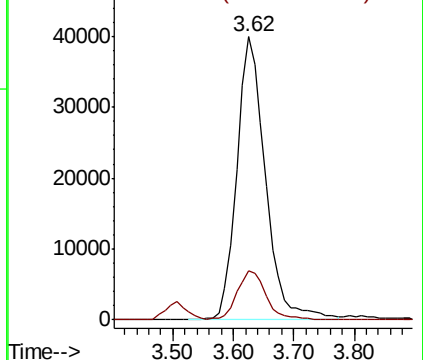
77 100

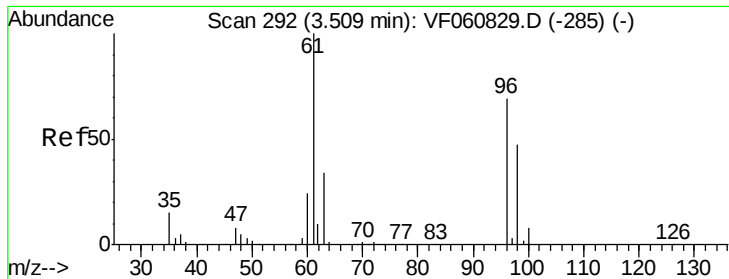
97 17.6 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

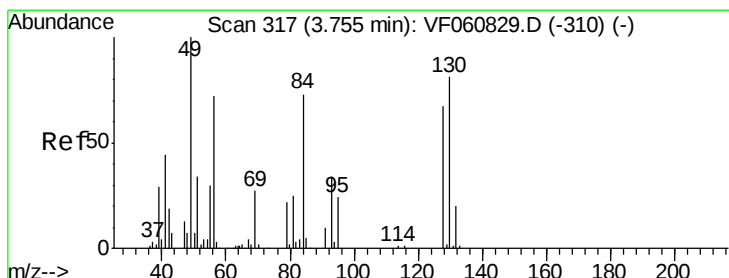
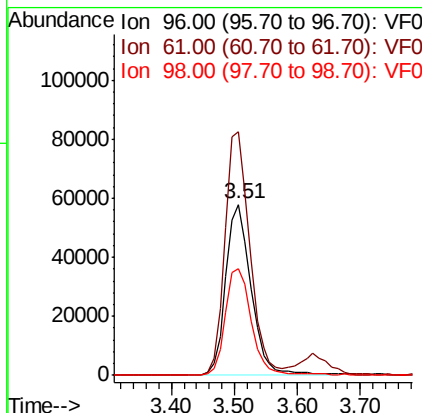
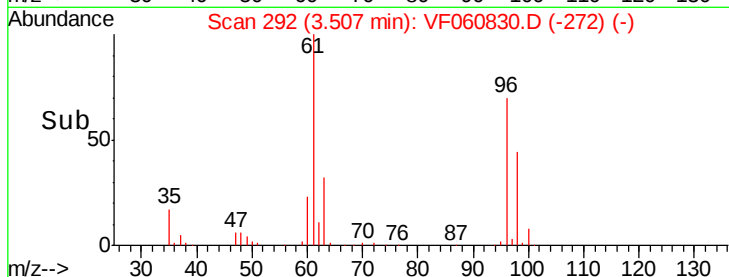
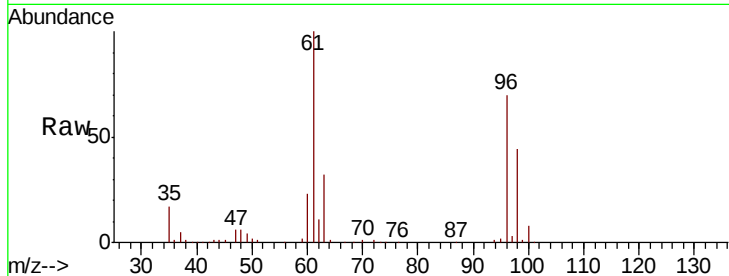
cis-1,2-Dichloroethene
Concen: 61.226 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	162528		
61	142.3	0.0	290.6	
98	62.4	0.0	137.8	

Manual Integrations
APPROVED

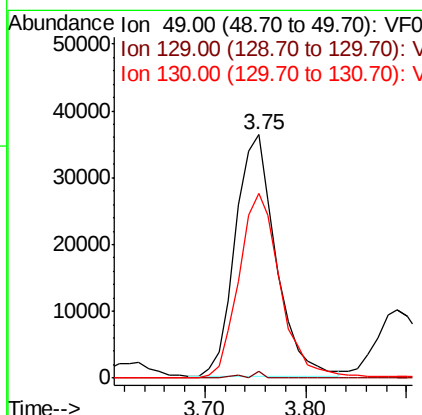
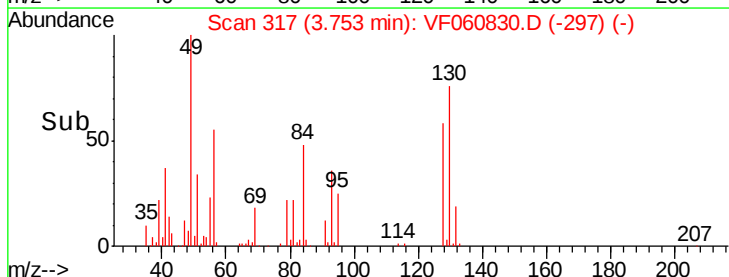
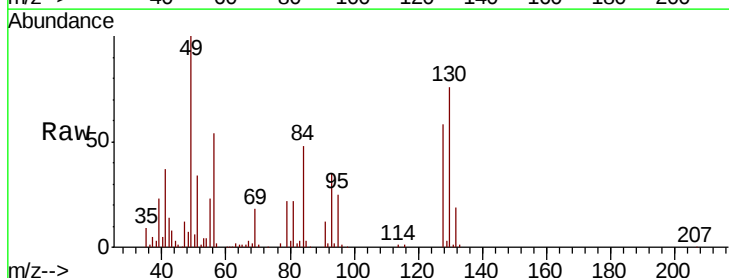
apatel
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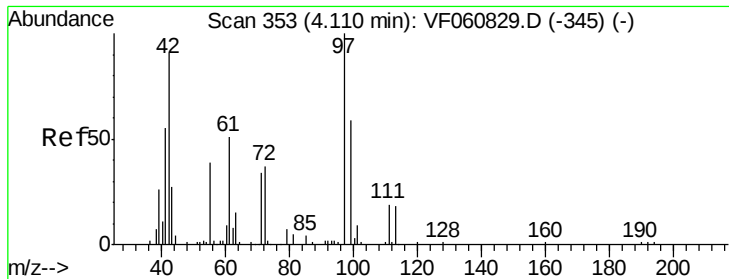


#28

Bromochloromethane
Concen: 63.040 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	100471		
129	2.7	0.0	4.4	
130	75.8	64.2	96.4	





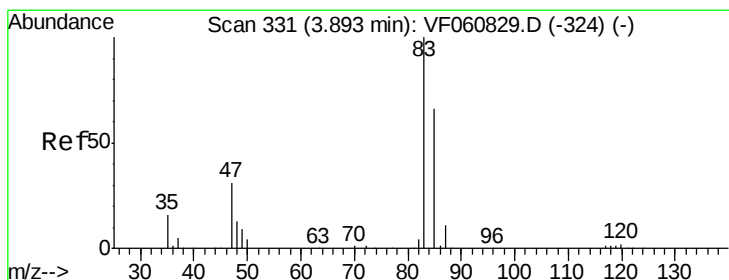
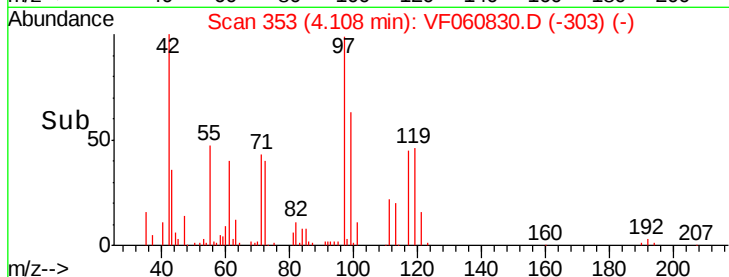
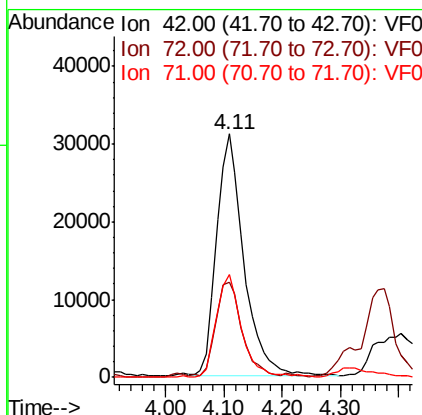
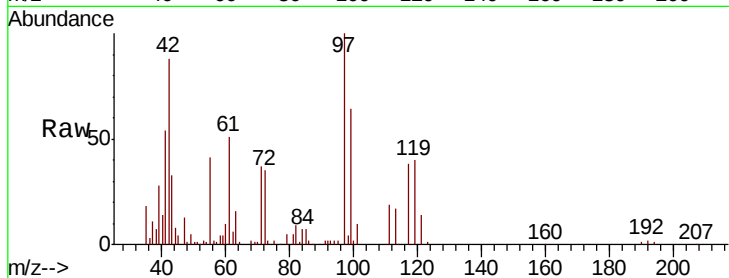
#29
Tetrahydrofuran
Concen: 328.364 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
42	100	101295		
72	36.5		31.9	47.9
71	39.5		28.7	43.1

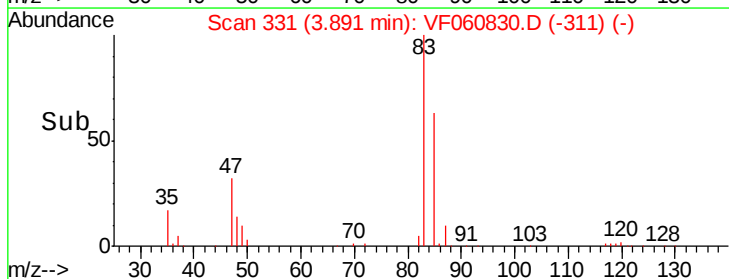
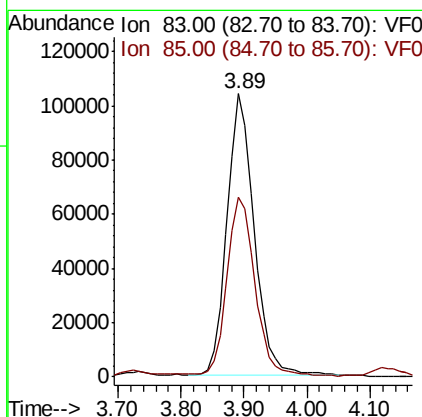
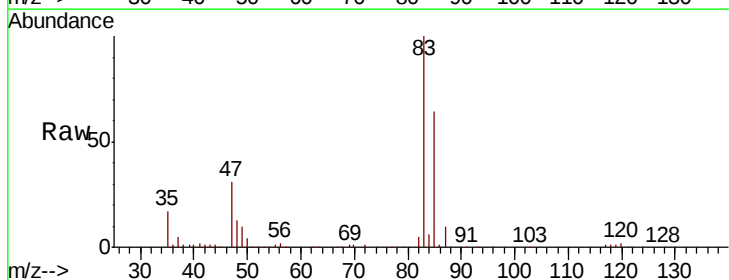
Manual Integrations
APPROVED

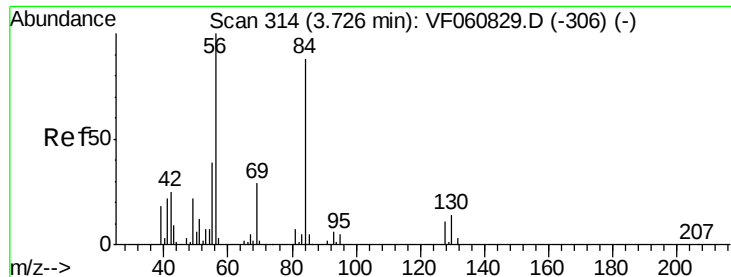
apatel
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#30
Chloroform
Concen: 62.061 ug/l
RT: 3.89 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	306599		
85	63.6		53.4	80.2





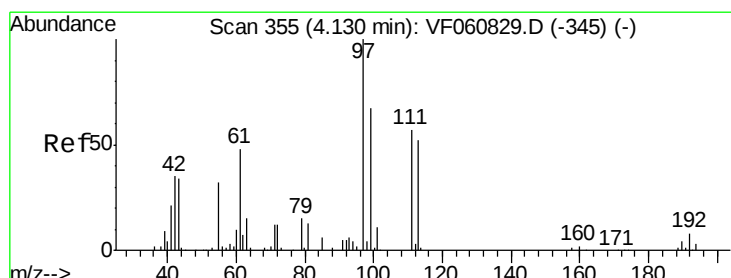
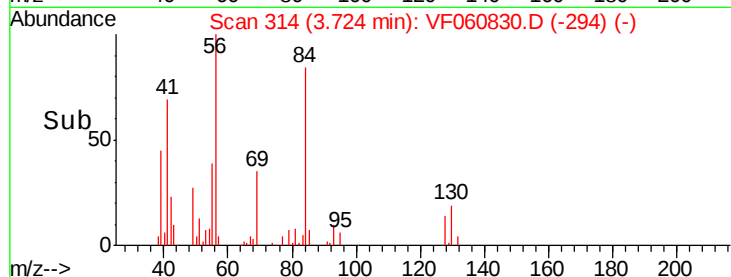
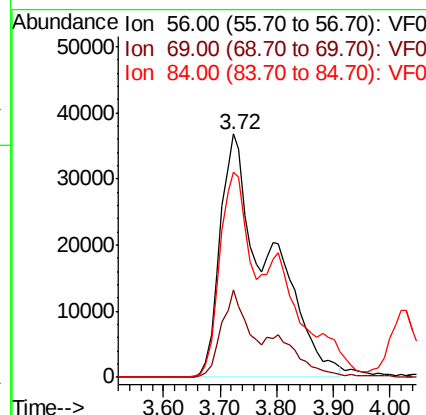
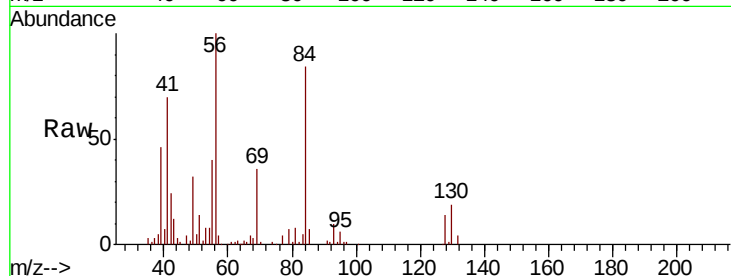
#31
Cyclohexane
Concen: 59.361 ug/l m
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	23.0	34.4#
84	84.4	70.4	105.6

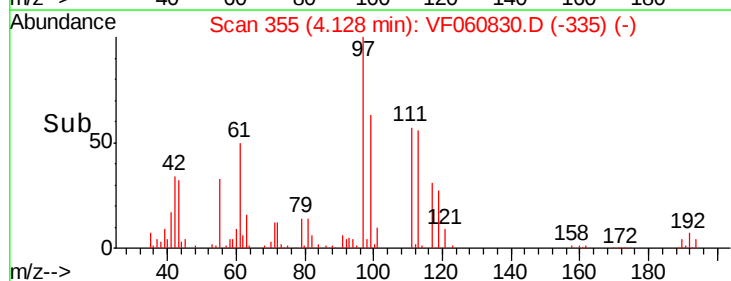
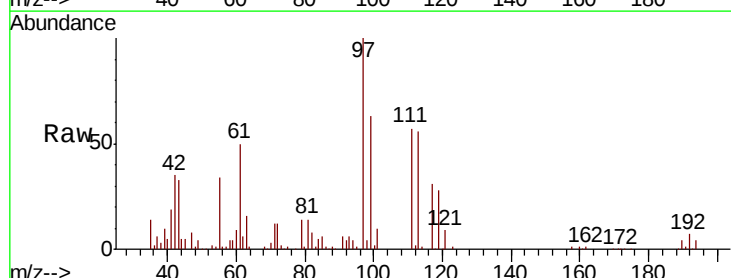
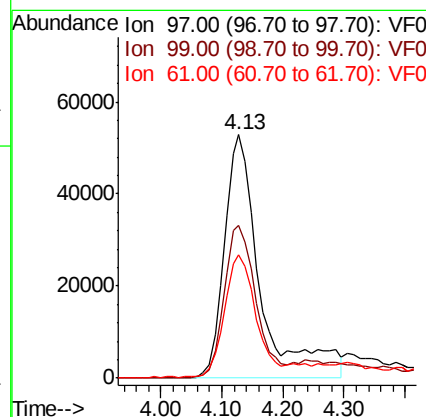
Manual Integrations
APPROVED

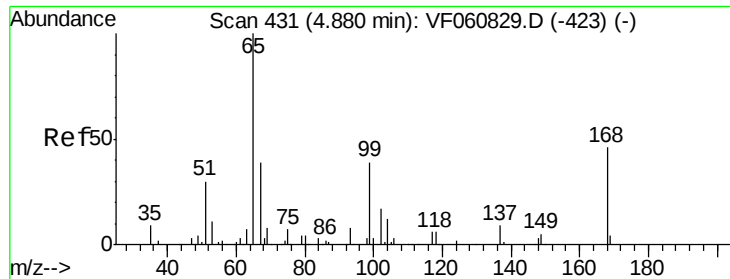
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#32
1,1,1-Trichloroethane
Concen: 56.670 ug/l m
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	53.5	80.3
61	50.5	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 71.696 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 157253

Ion Ratio Lower Upper

65 100

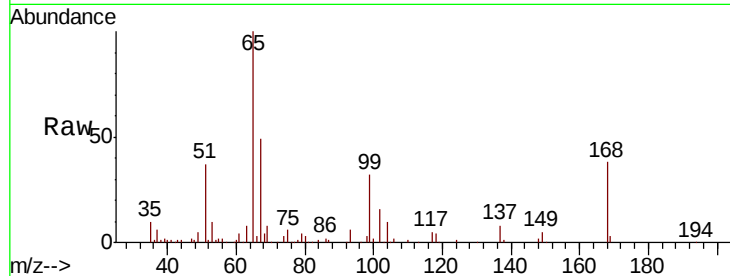
67 49.0 0.0 96.4

Manual Integrations

APPROVED

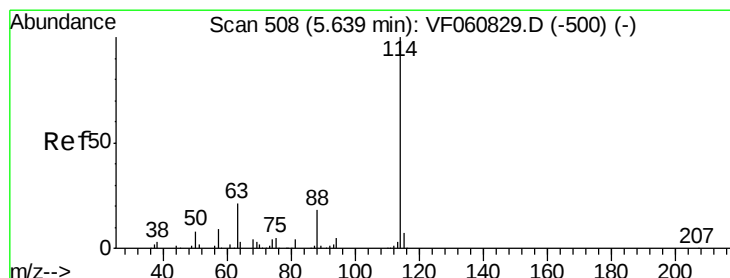
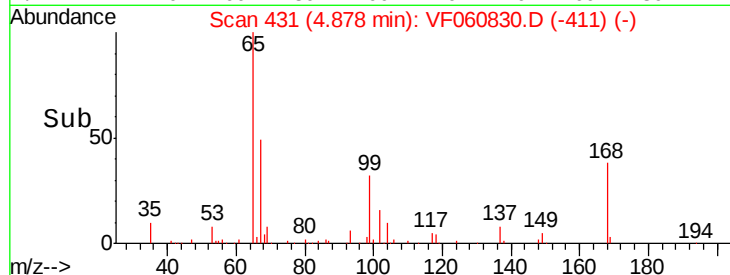
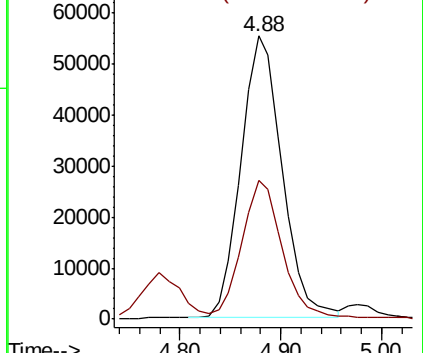
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

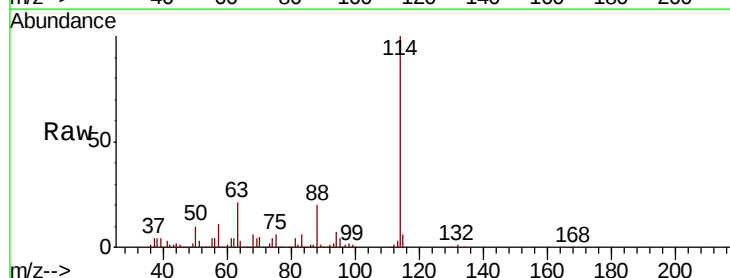
Tgt Ion: 114 Resp: 306713

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

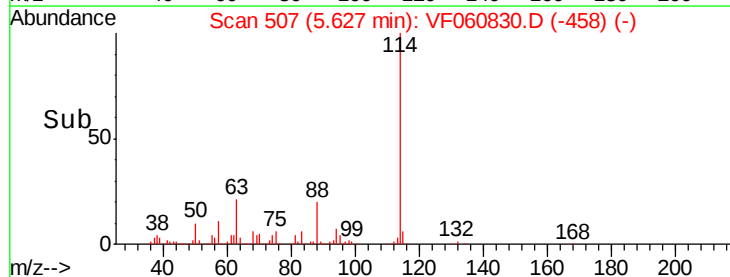
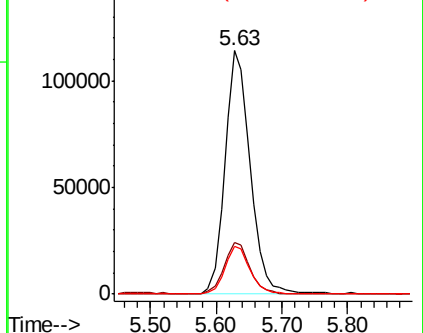
88 19.6 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





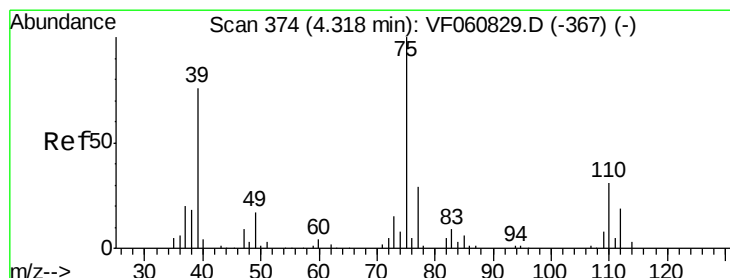
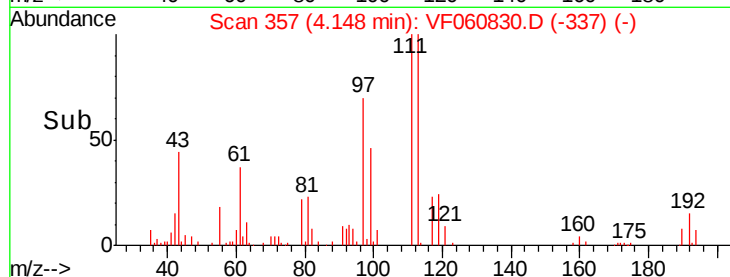
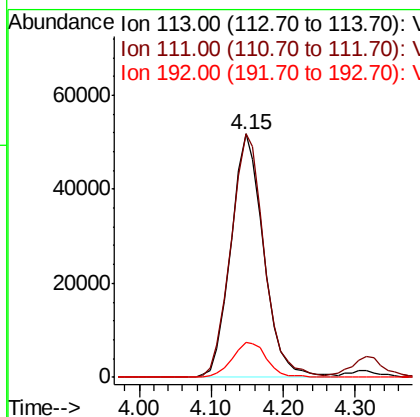
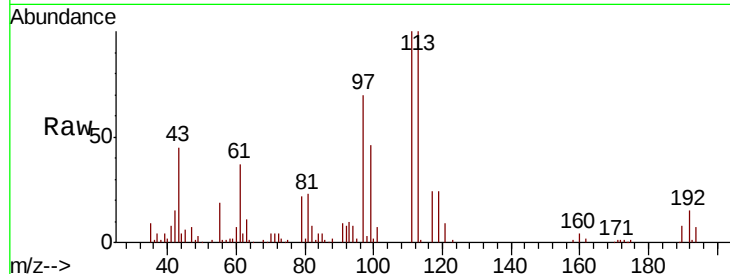
#35
Dibromofluoromethane
Concen: 69.344 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164362		
111	99.9	83.0	124.6	
192	15.3	12.3	18.5	

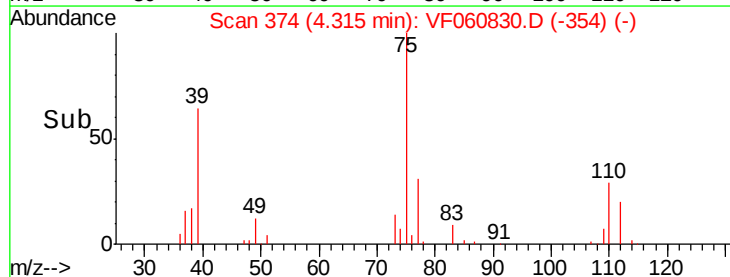
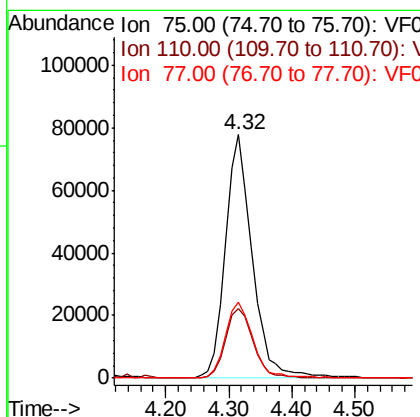
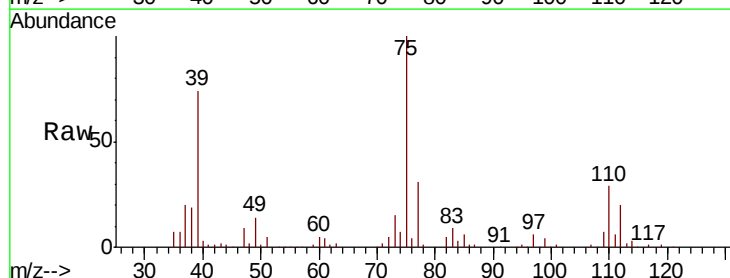
Manual Integrations
APPROVED

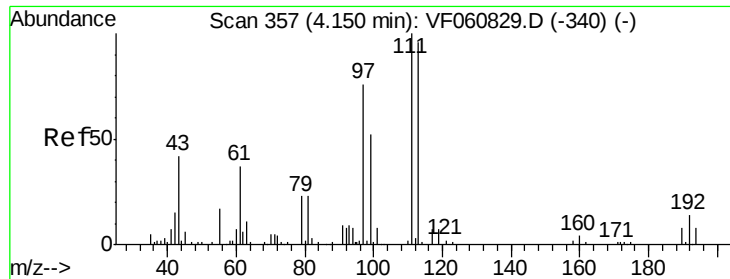
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#36
1,1-Dichloropropene
Concen: 64.302 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227569		
110	28.8	15.6	46.8	
77	31.2	23.4	35.0	





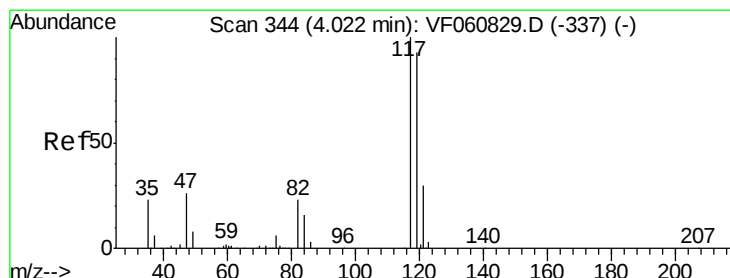
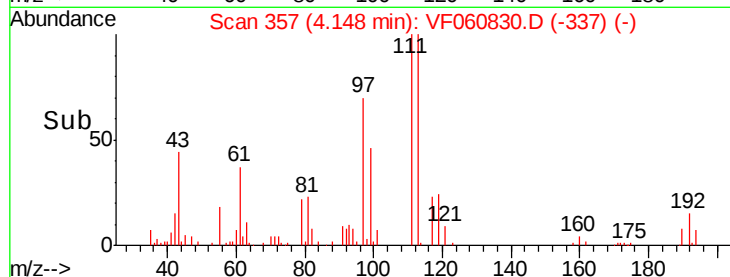
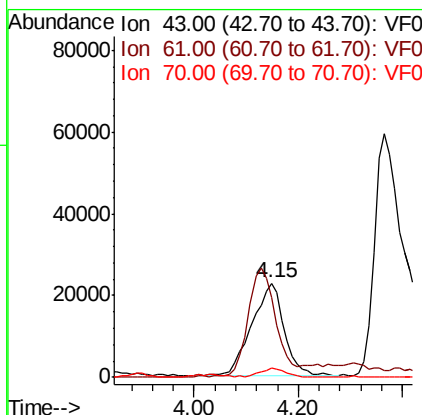
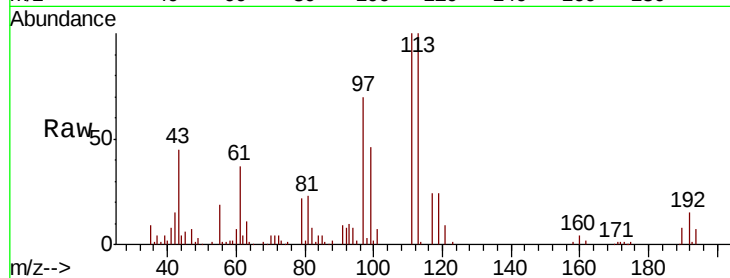
#37
Ethyl Acetate
Concen: 71.516 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	83.9	68.6	103.0
70	9.4	9.0	13.4

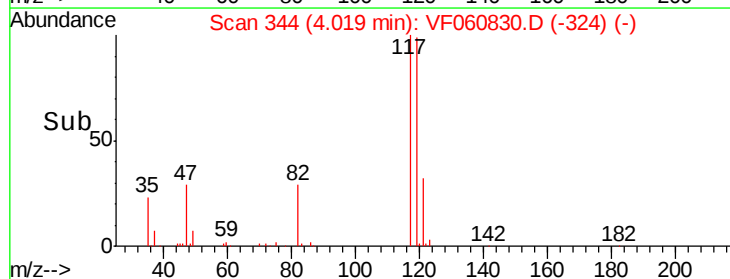
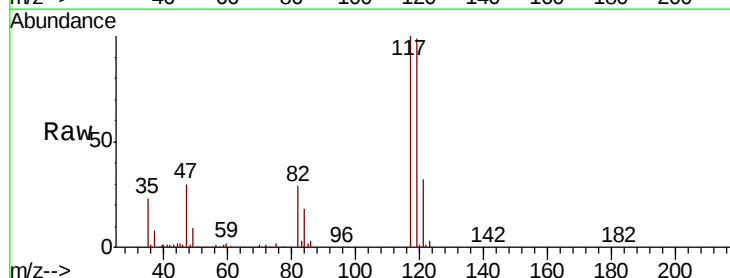
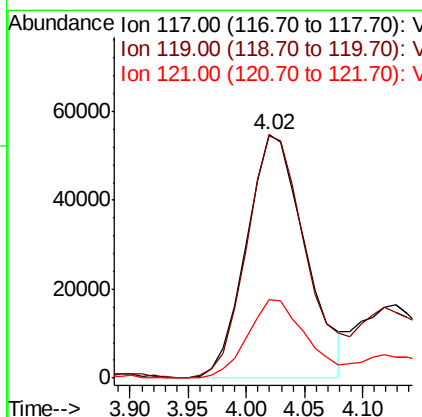
Manual Integrations
APPROVED

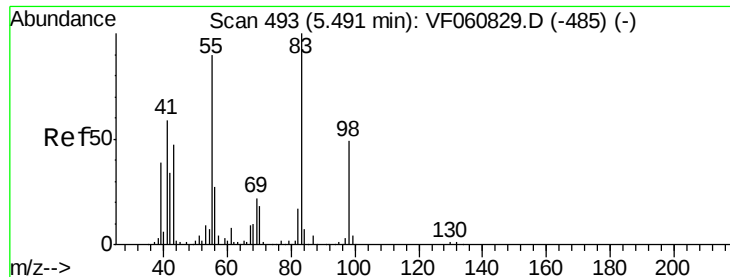
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#38
Carbon Tetrachloride
Concen: 55.330 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	74.4	111.6
121	32.9	23.5	35.3





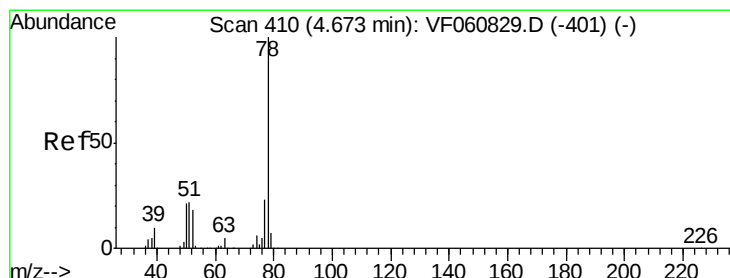
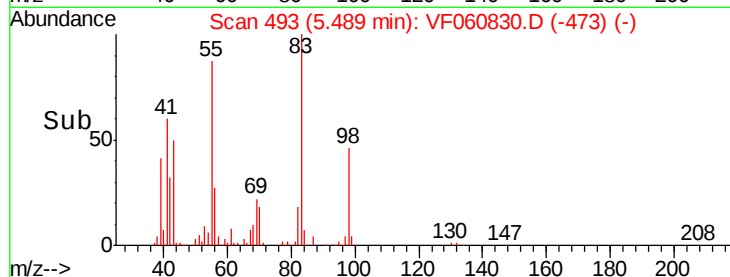
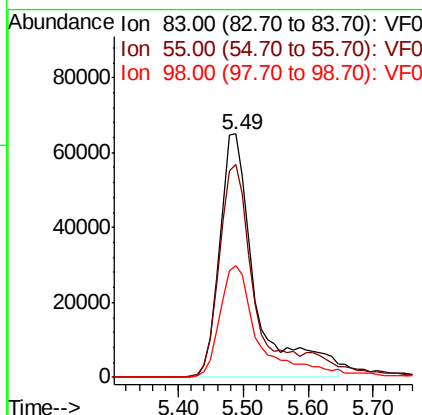
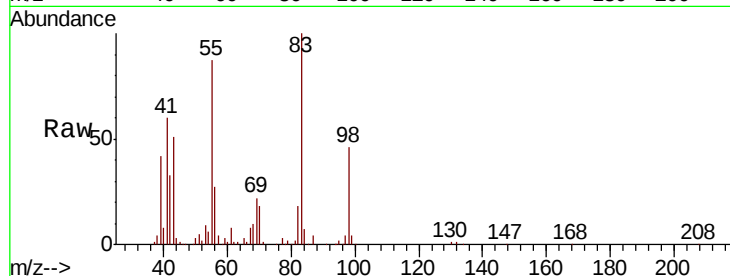
#39
Methylcyclohexane
Concen: 62.396 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	72.1	108.1
98	46.0	39.1	58.7

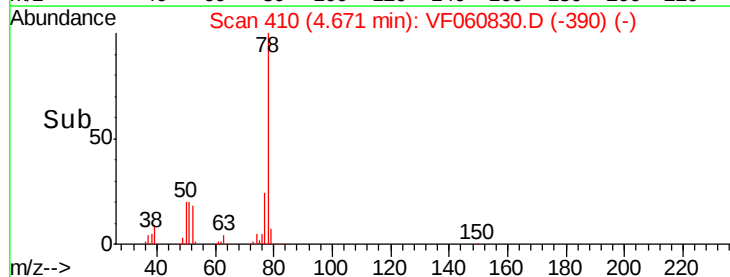
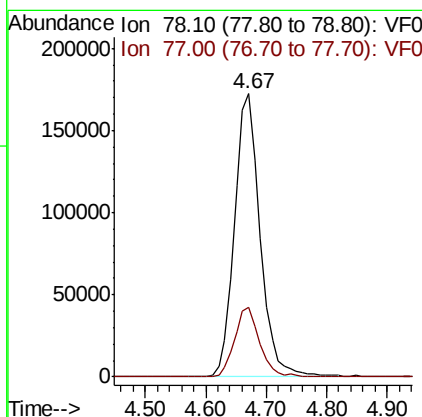
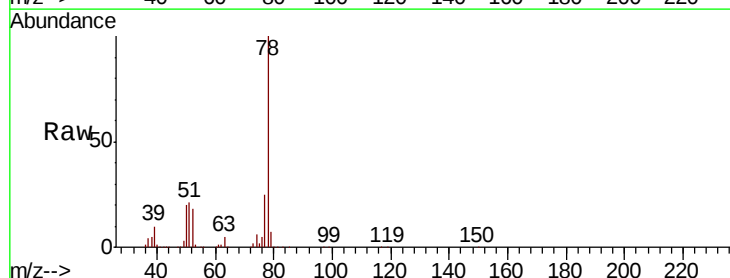
Manual Integrations
APPROVED

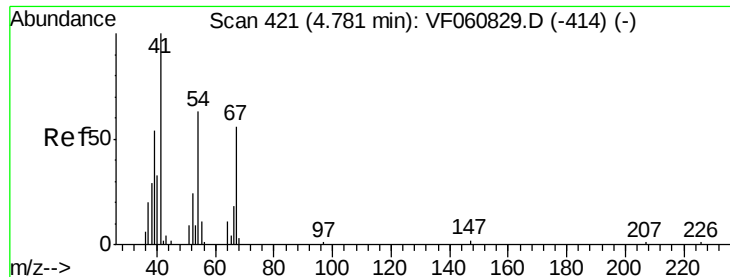
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#40
Benzene
Concen: 64.448 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1





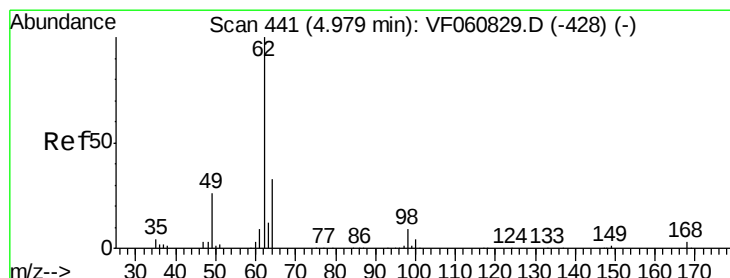
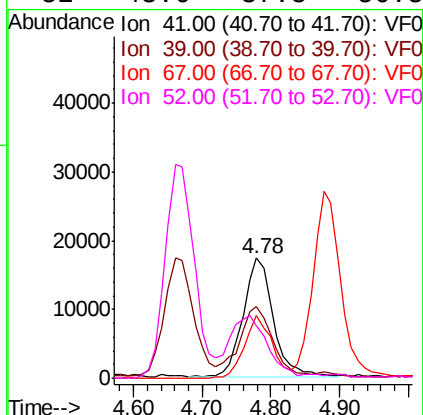
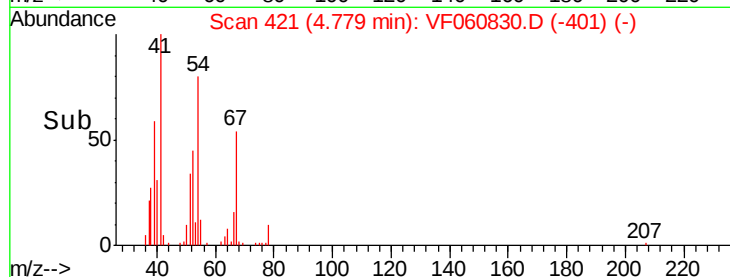
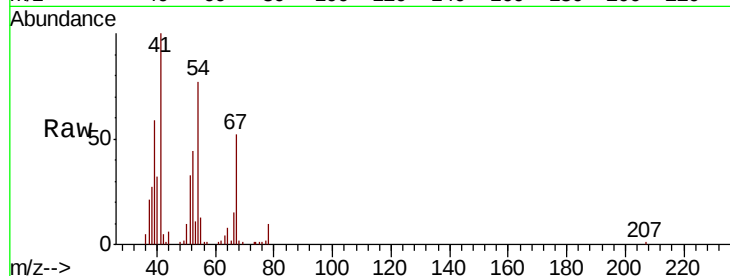
#41
Methacrylonitrile
Concen: 65.980 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.3	53.0	79.6	
67	51.9	43.8	65.6	
52	43.6	37.8	56.8	

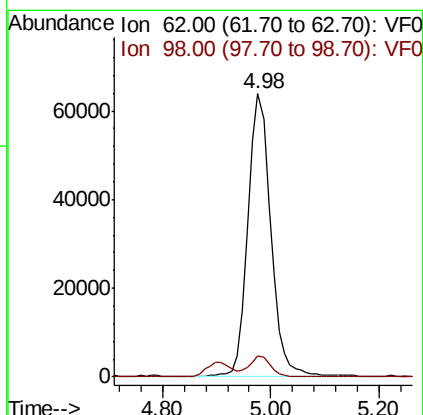
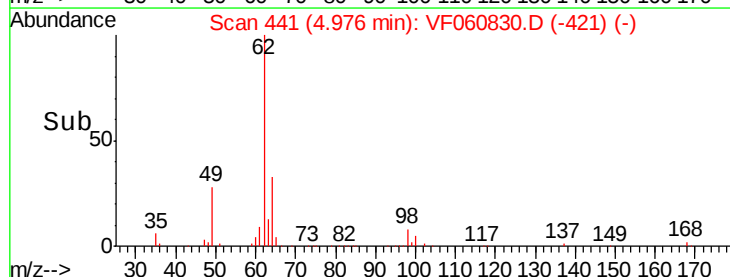
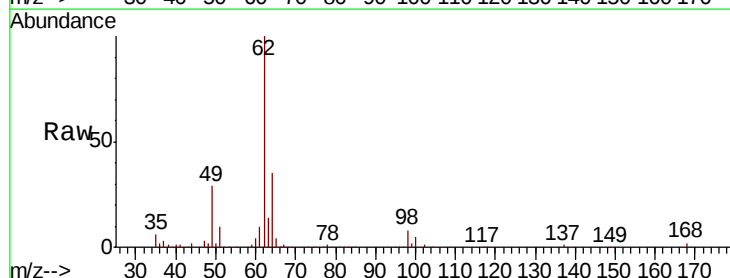
Manual Integrations
APPROVED

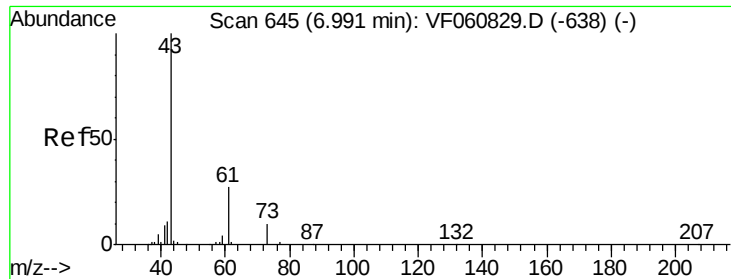
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#42
1,2-Dichloroethane
Concen: 67.940 ug/l
RT: 4.98 min Scan# 441
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	17.2	





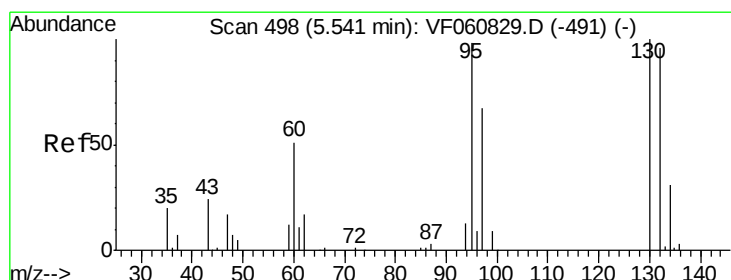
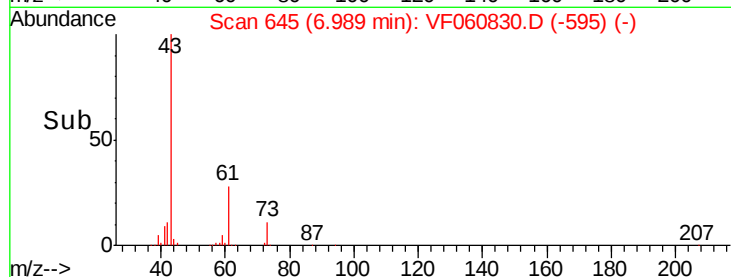
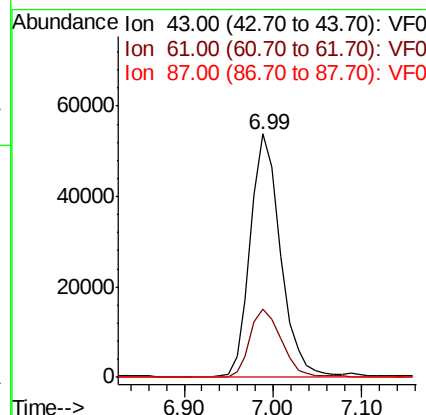
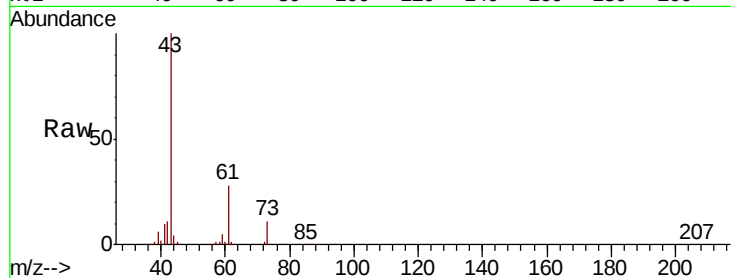
#43
Isopropyl Acetate
Concen: 70.515 ug/l
RT: 6.99 min Scan# 645
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.4	32.0
87	0.2	0.2	0.4

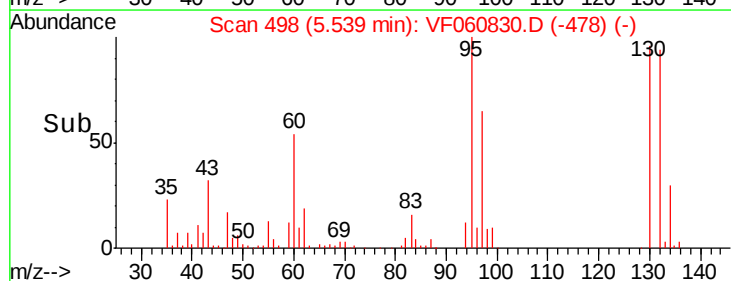
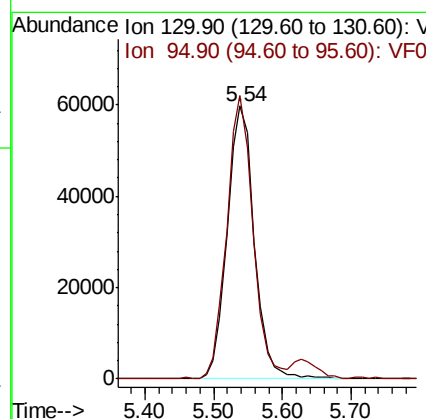
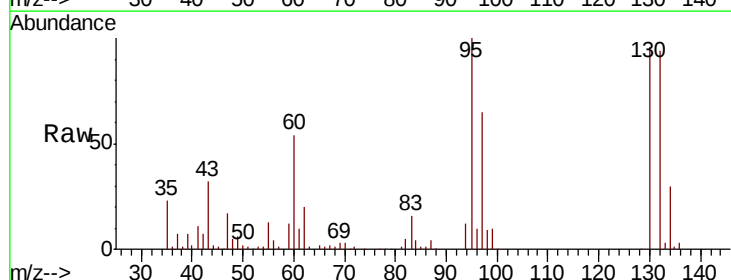
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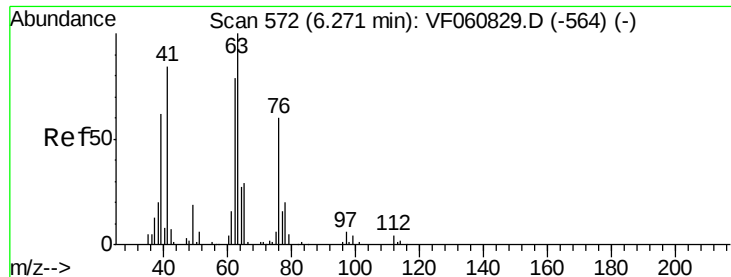
apatel
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#44
Trichloroethene
Concen: 64.798 ug/l
RT: 5.54 min Scan# 498
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	195.6





#45

1,2-Dichloropropane

Concen: 67.620 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 140938

Ion Ratio Lower Upper

63 100

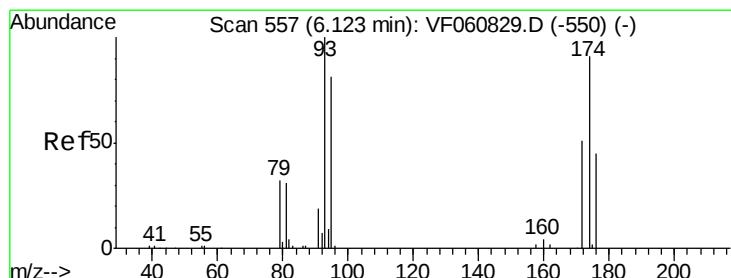
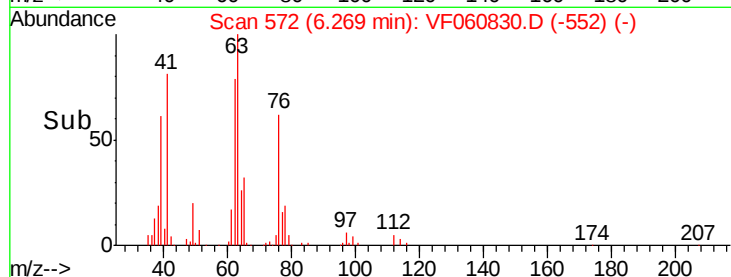
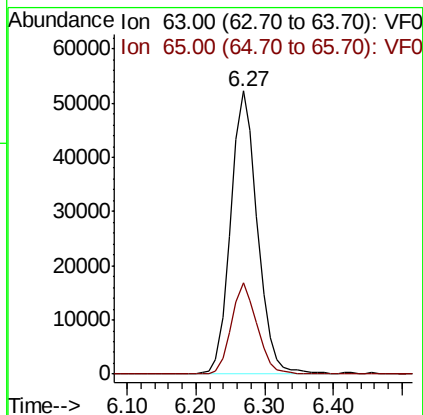
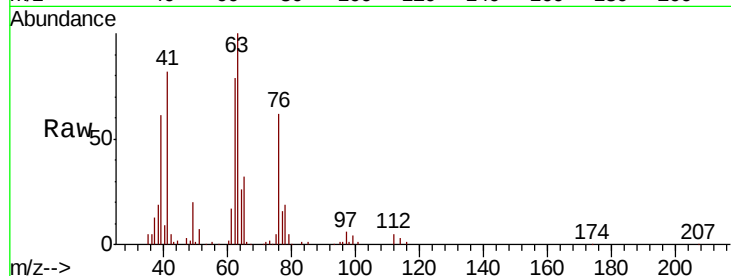
65 32.3 23.2 34.8

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#46

Dibromomethane

Concen: 69.747 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

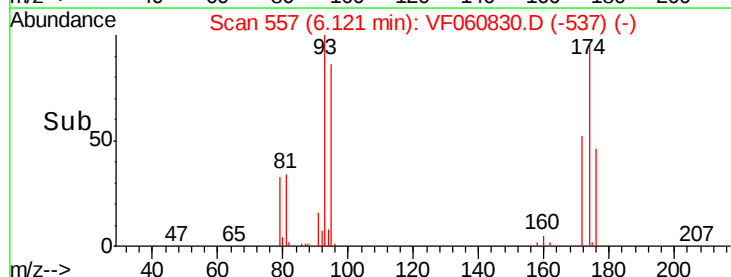
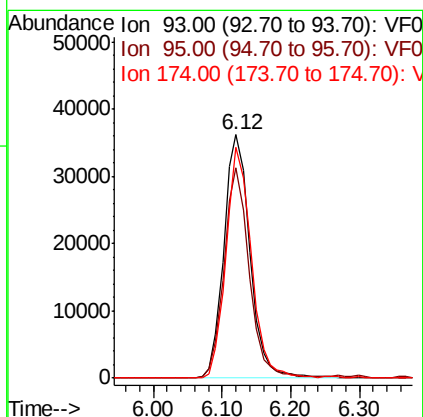
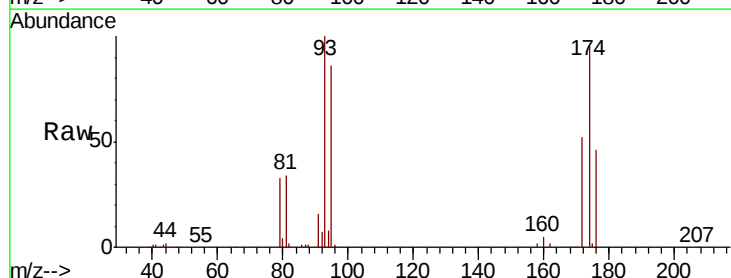
Tgt Ion: 93 Resp: 95259

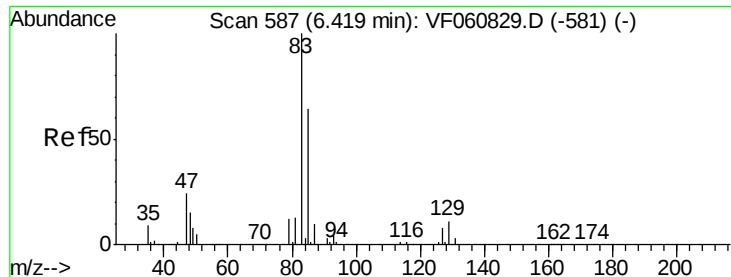
Ion Ratio Lower Upper

93 100

95 86.2 64.7 97.1

174 94.7 73.0 109.6





#47

Bromodichloromethane

Concen: 72.110 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

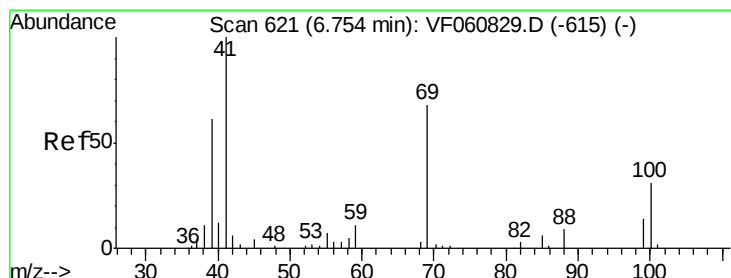
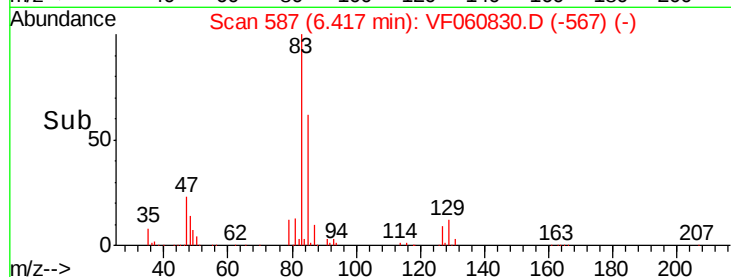
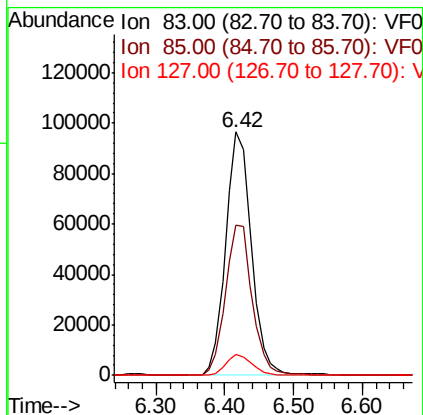
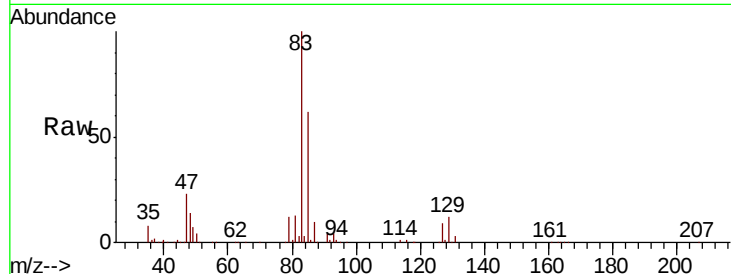
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	251088
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	8.6	6.8	10.2

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#48

Methyl methacrylate

Concen: 73.946 ug/l

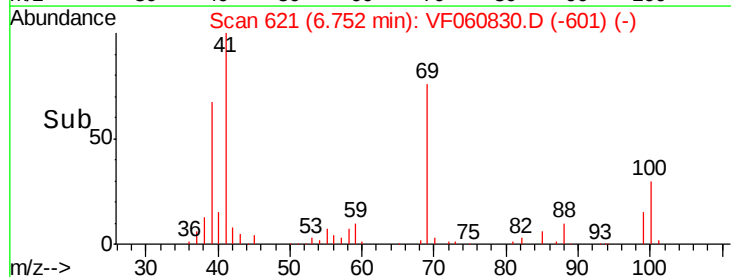
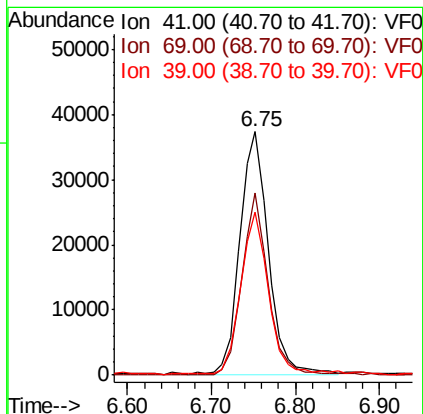
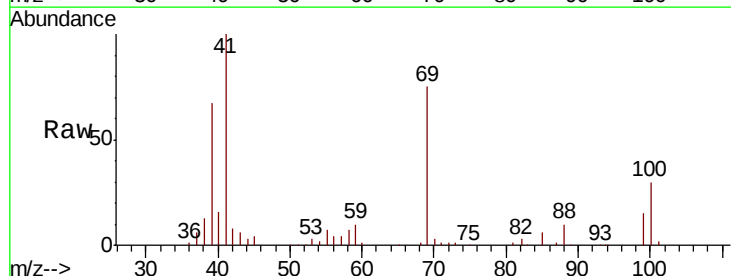
RT: 6.75 min Scan# 621

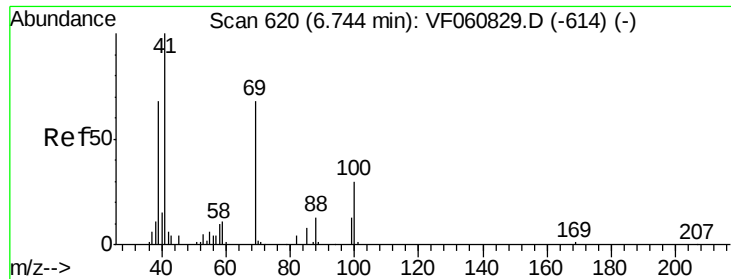
Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion:	41	Resp:	88148
Ion	Ratio	Lower	Upper
41	100		
69	74.8	53.9	80.9
39	67.0	49.0	73.6





#49

1,4-Dioxane

Concen: 1346.029 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

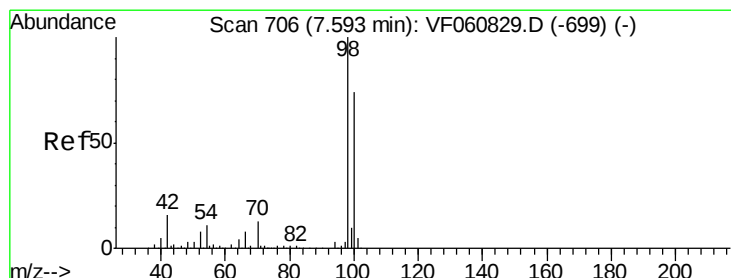
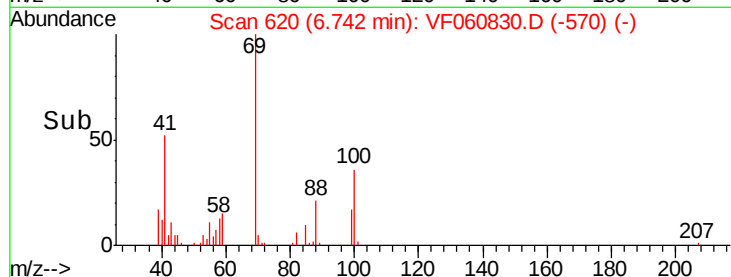
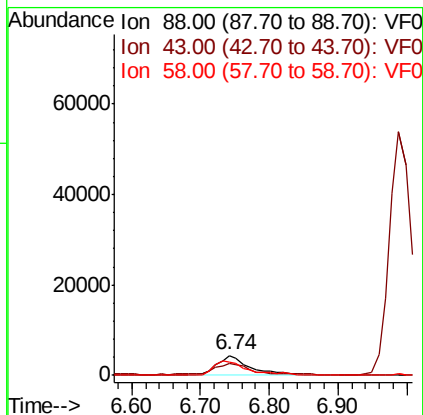
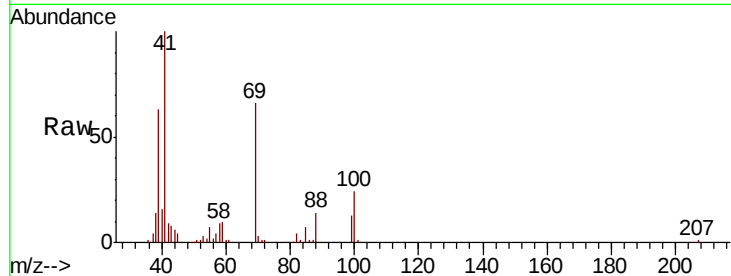
ClientSampleId :

VSTDIC075

Tot Ion:	88	Resp:	14643
Ion	Ratio	Lower	Upper
88	100		
43	58.0	42.0	63.0
58	63.6	61.8	92.8

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#50

Toluene-d8

Concen: 72.599 ug/l

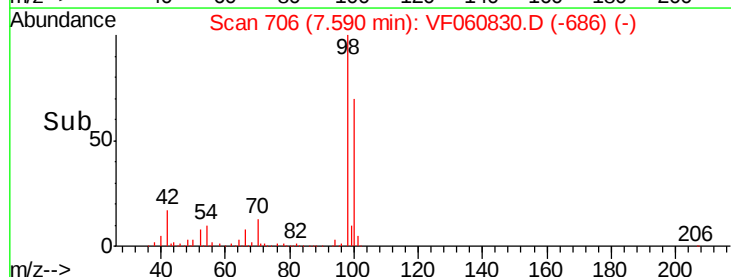
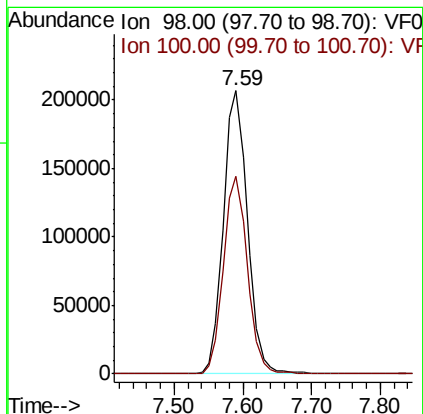
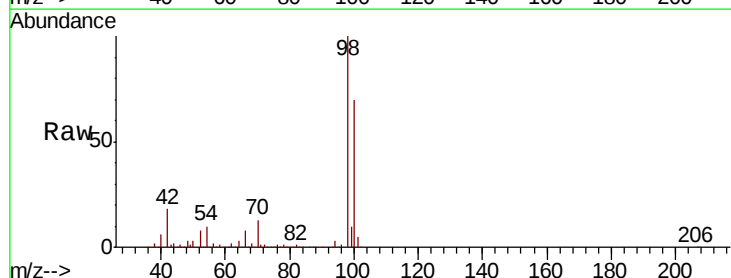
RT: 7.59 min Scan# 706

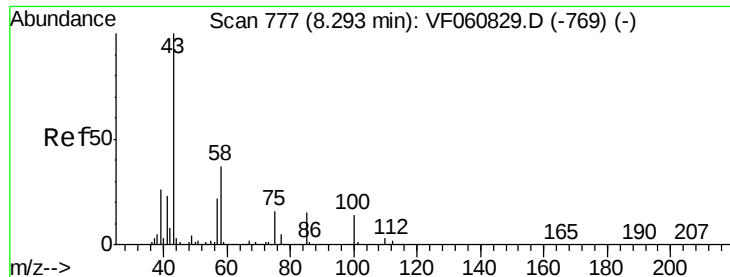
Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion:	98	Resp:	503288
Ion	Ratio	Lower	Upper
98	100		
100	69.7	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 343.852 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 438465

Ion Ratio Lower Upper

43 100

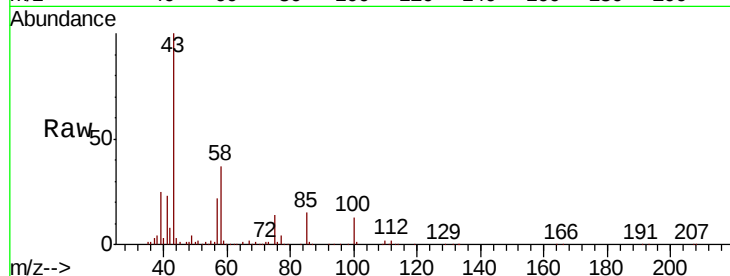
58 36.9 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.29

200000

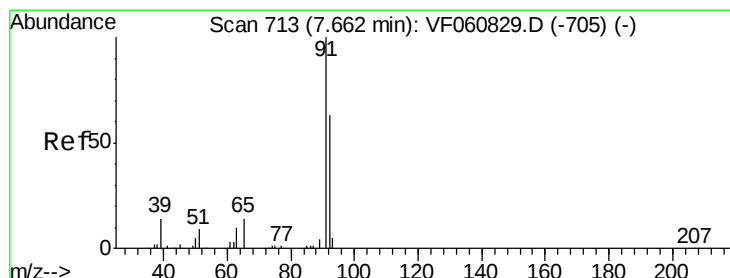
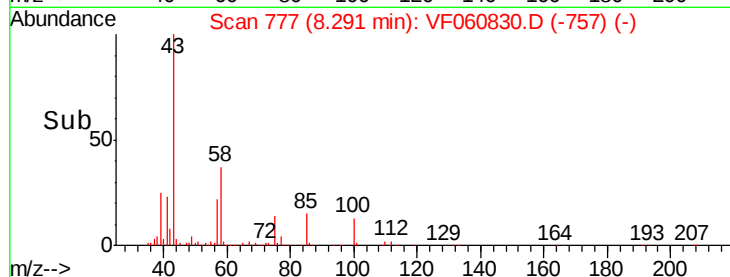
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 66.229 ug/l

RT: 7.66 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF060830.D

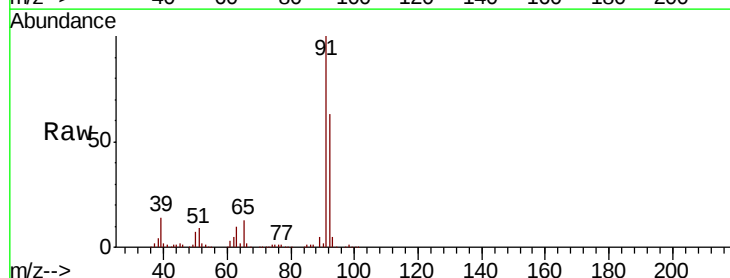
Acq: 26 Nov 2018 18:59

Tgt Ion: 92 Resp: 349841

Ion Ratio Lower Upper

92 100

91 158.9 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.66

250000

200000

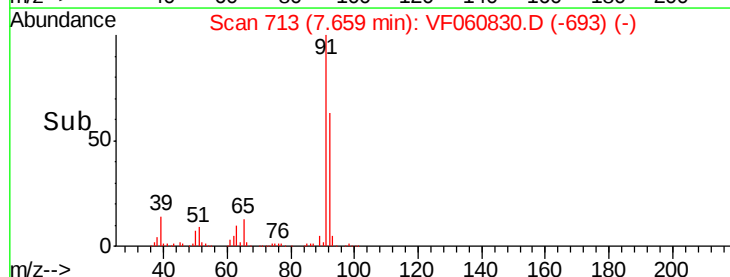
150000

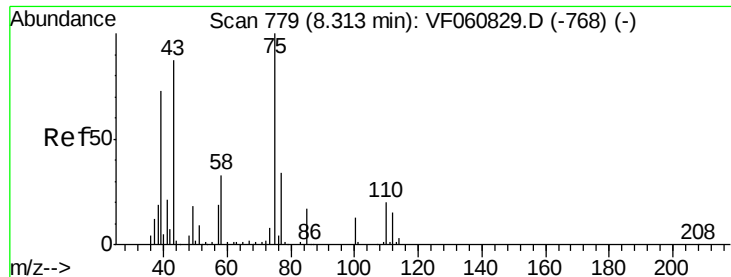
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 68.808 ug/l

RT: 8.31 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 194258

Ion Ratio Lower Upper

75 100

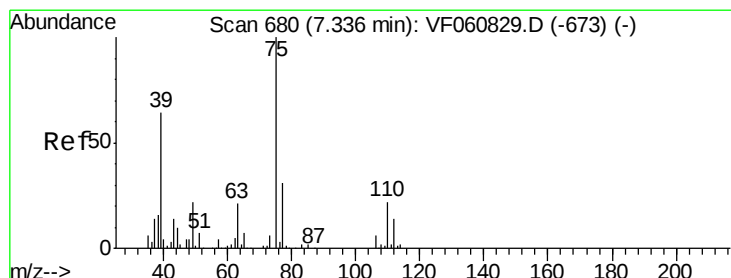
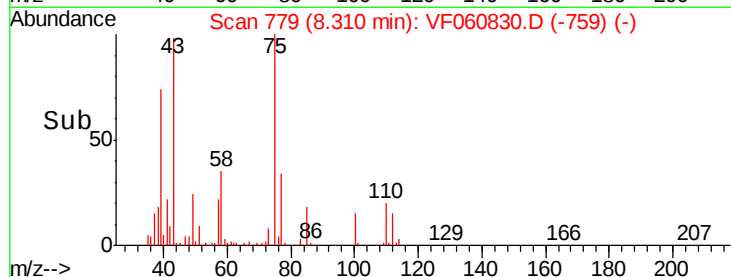
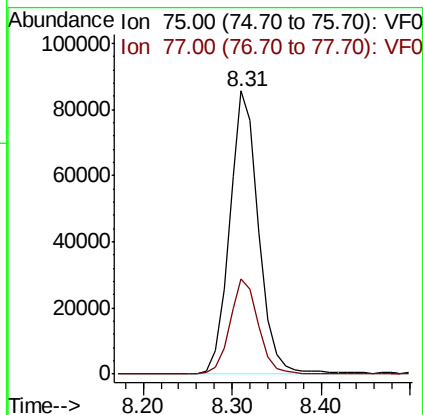
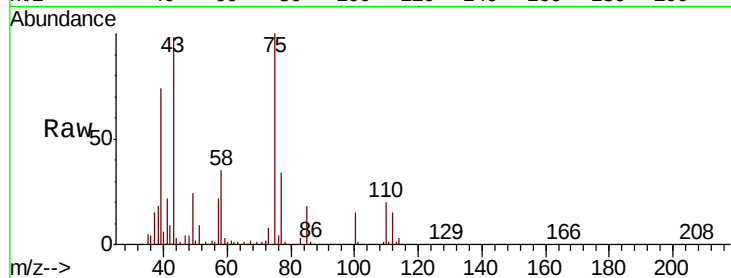
77 33.5 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 66.993 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

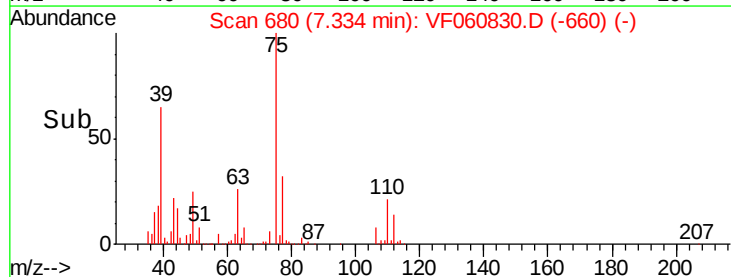
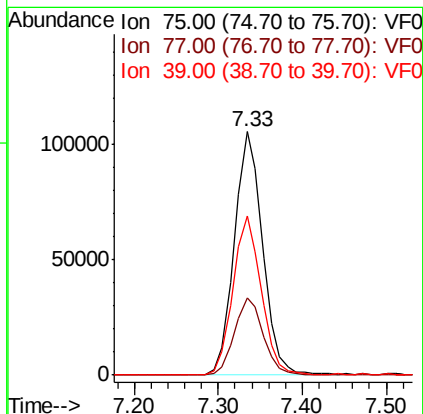
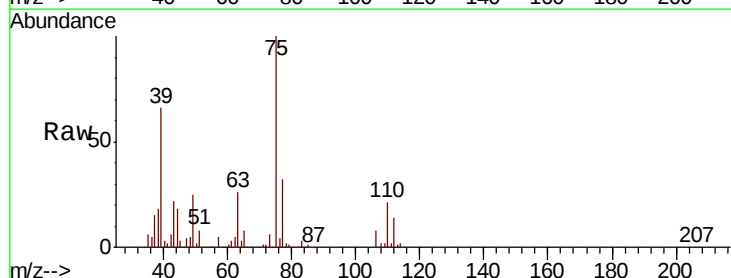
Tgt Ion: 75 Resp: 247263

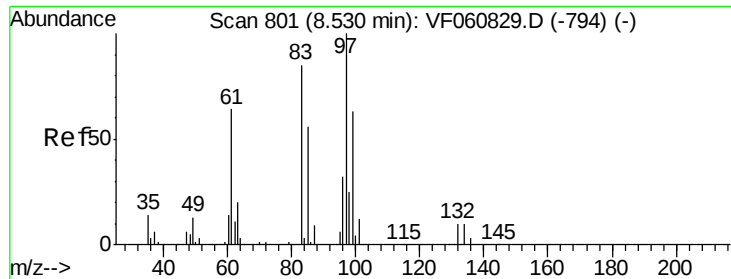
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

39 65.6 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 68.759 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

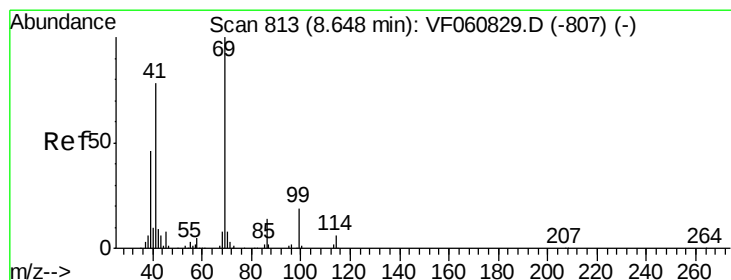
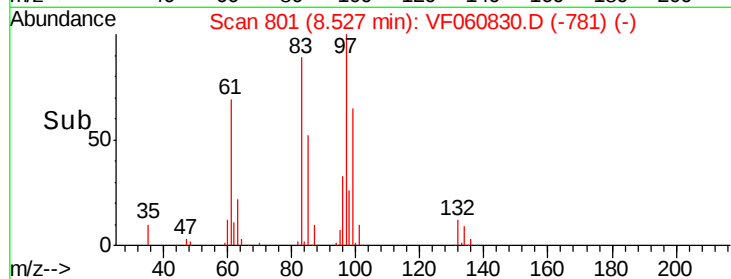
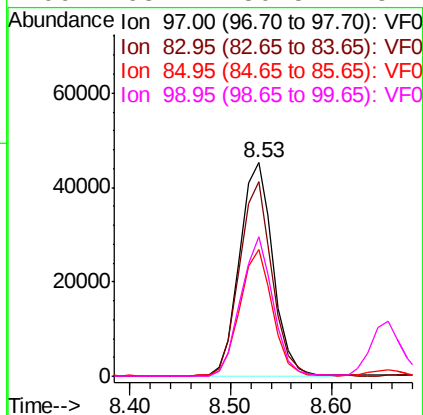
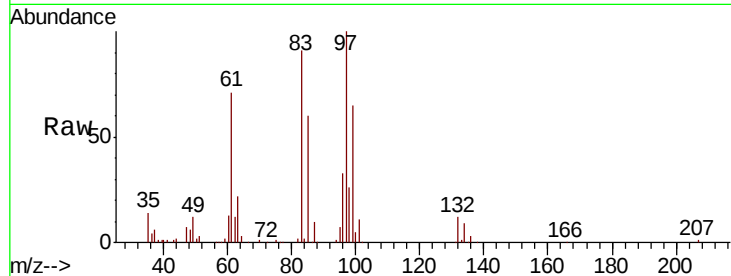
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	104743
Ion	Ratio	Lower	Upper
97	100		
83	90.8	67.8	101.6
85	59.5	45.0	67.6
99	65.4	50.5	75.7

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#56

Ethyl methacrylate

Concen: 70.419 ug/l

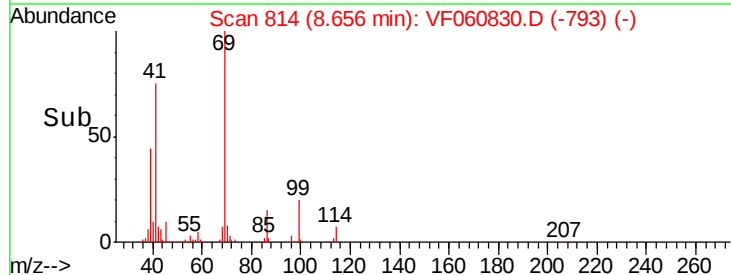
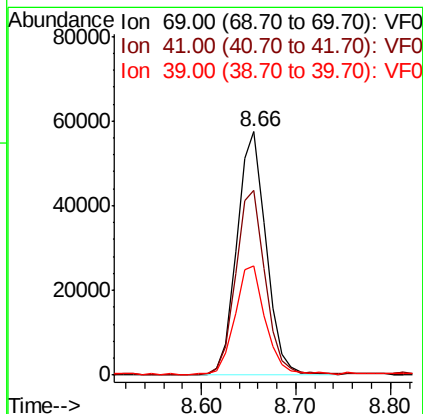
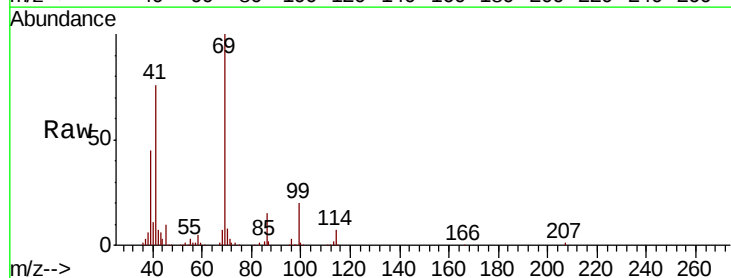
RT: 8.66 min Scan# 814

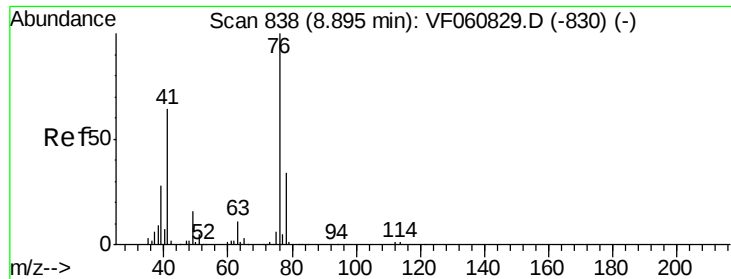
Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion:	69	Resp:	123167
Ion	Ratio	Lower	Upper
69	100		
41	76.0	62.6	94.0
39	44.7	37.8	56.6





#57

1,3-Dichloropropane

Concen: 72.021 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 193460

Ion Ratio Lower Upper

76 100

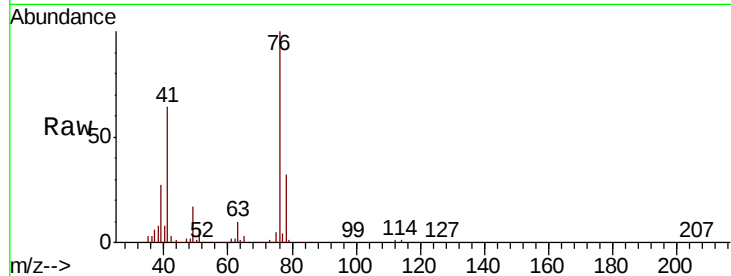
78 31.6 27.0 40.4

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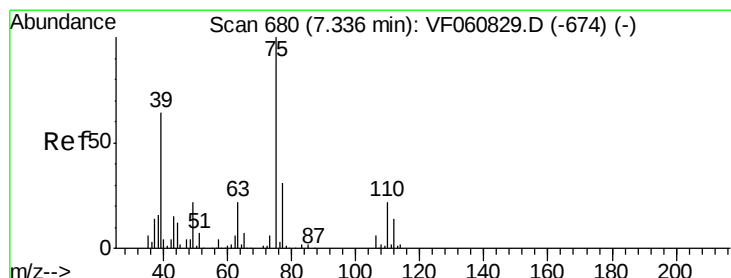
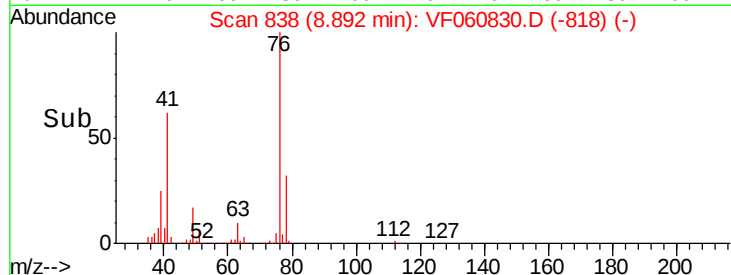
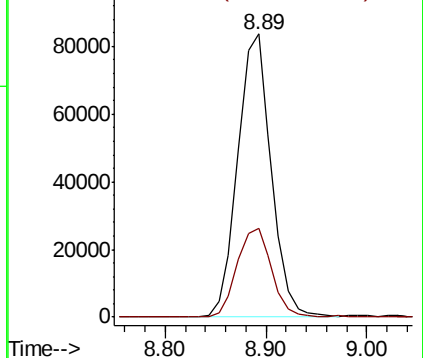
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 419.740 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060830.D

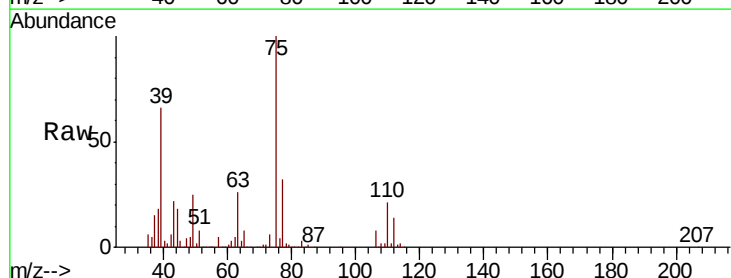
Acq: 26 Nov 2018 18:59

Tgt Ion: 63 Resp: 66717

Ion Ratio Lower Upper

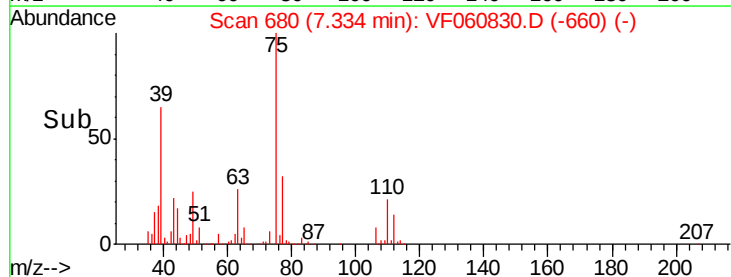
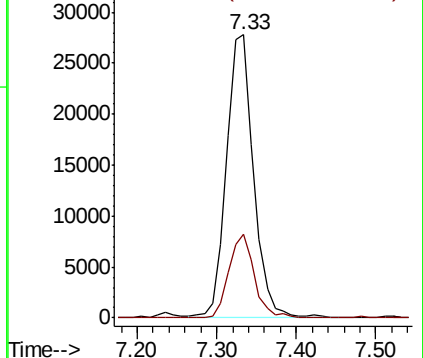
63 100

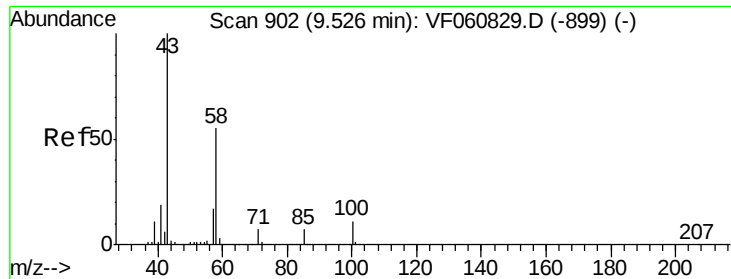
106 29.5 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





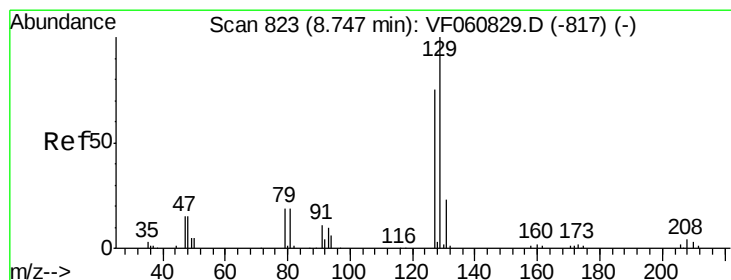
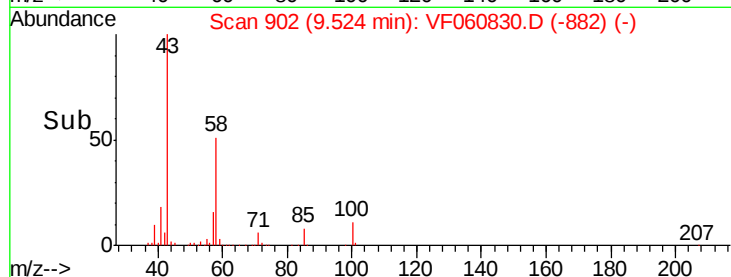
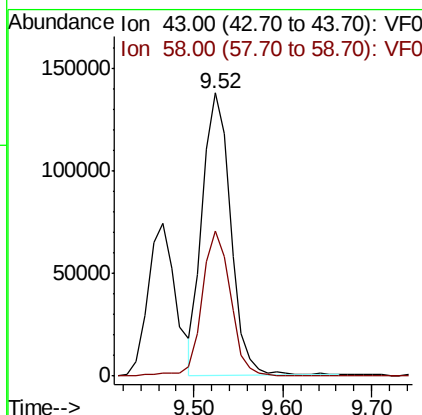
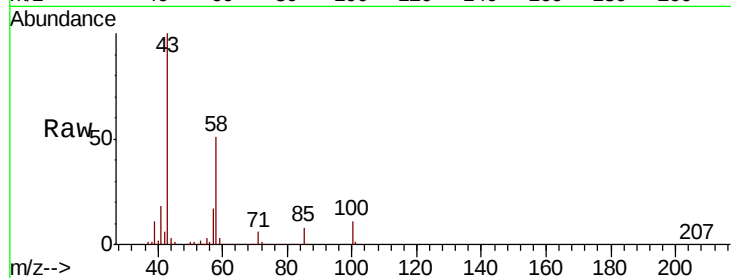
#59
2-Hexanone
Concen: 334.284 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 301132
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.6

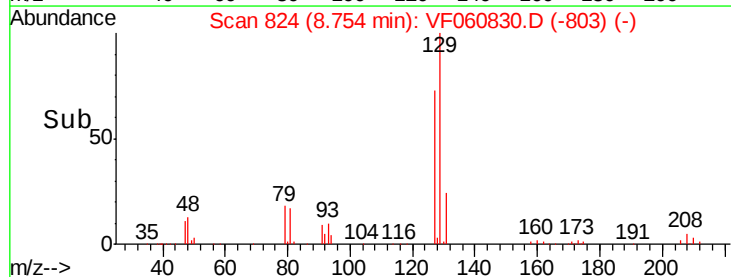
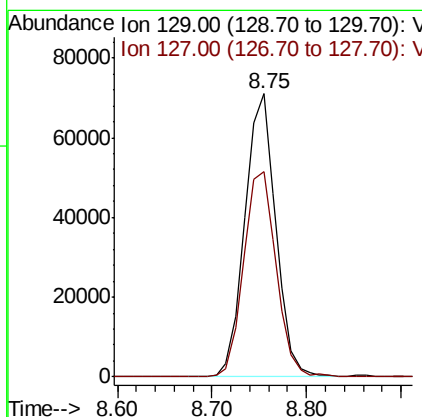
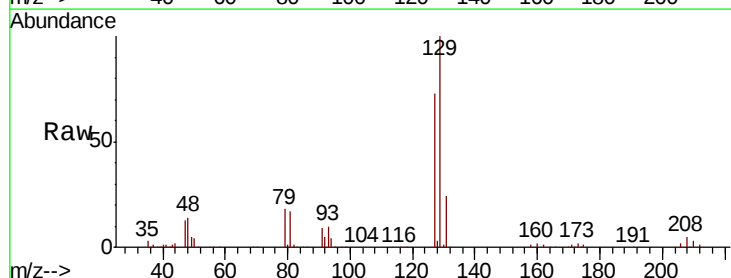
Manual Integrations
APPROVED

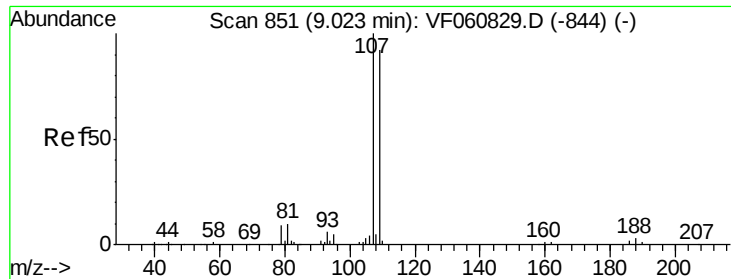
apatel
11/27/2018 3:16:59 PM



#60
Dibromochloromethane
Concen: 73.383 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion: 129 Resp: 161635
Ion Ratio Lower Upper
129 100
127 72.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 72.249 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 116153

Ion Ratio Lower Upper

107 100

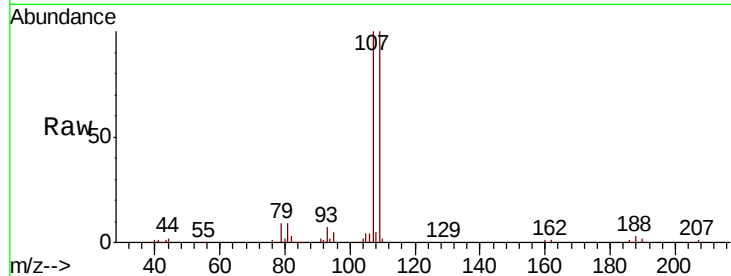
109 100.1 73.6 110.4

Manual Integrations

APPROVED

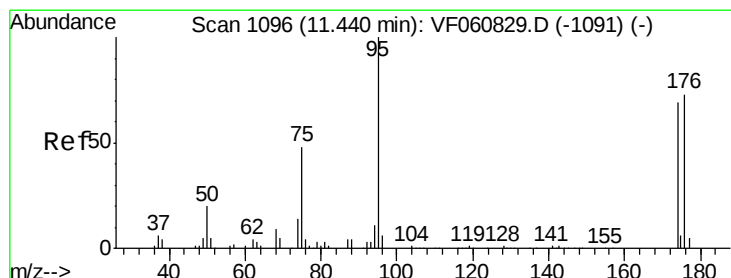
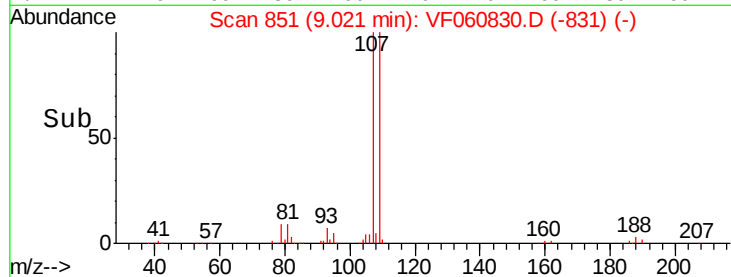
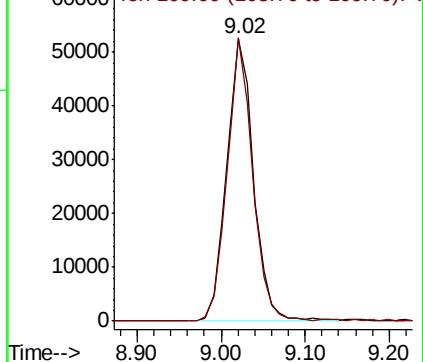
apatel

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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: 68.291 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

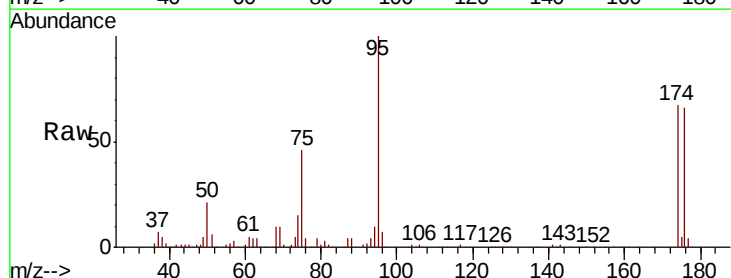
Tgt Ion: 95 Resp: 219246

Ion Ratio Lower Upper

95 100

174 66.9 0.0 138.2

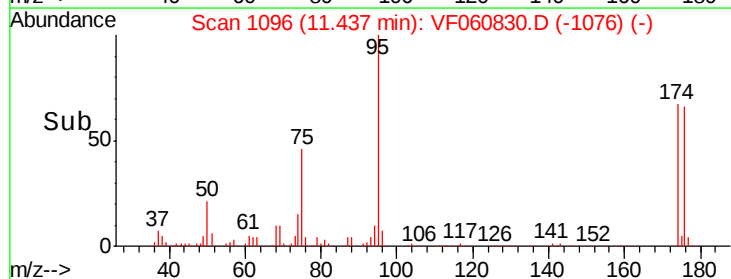
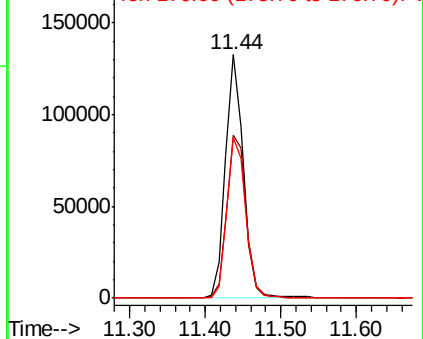
176 66.2 0.0 146.2

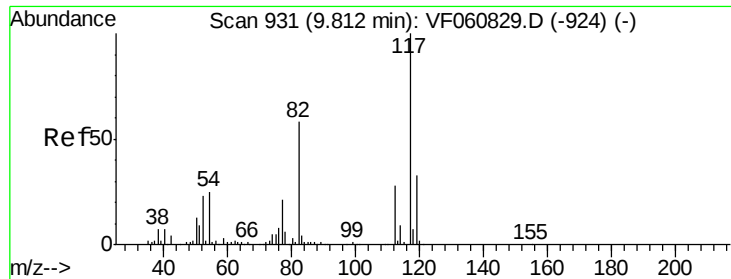


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





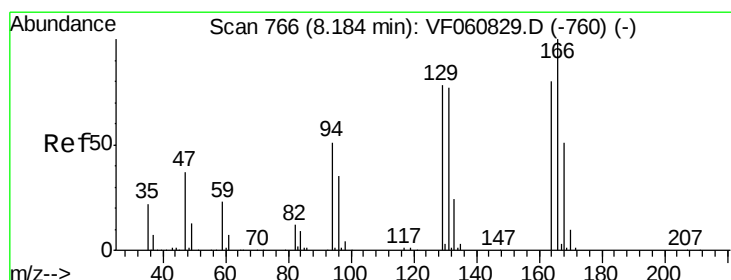
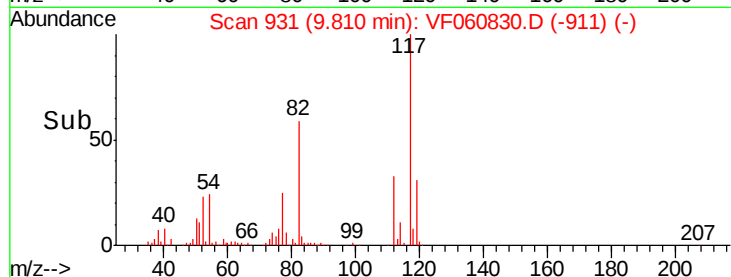
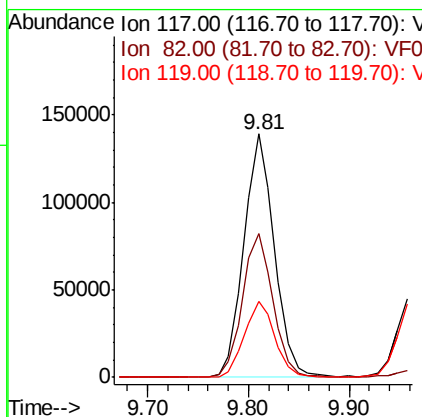
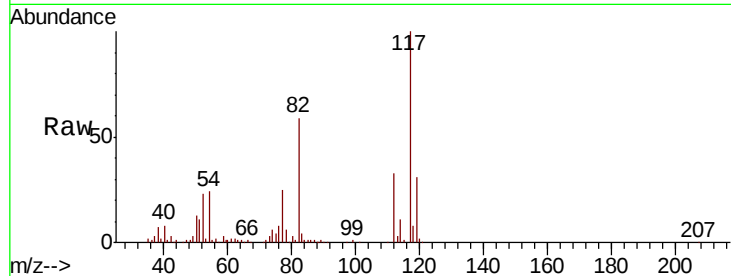
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294102		
82	59.3	46.6	69.8	
119	31.0	26.4	39.6	

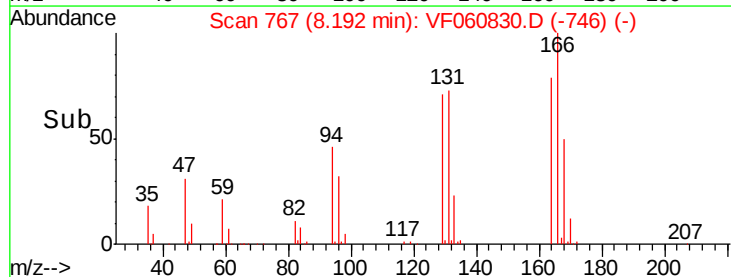
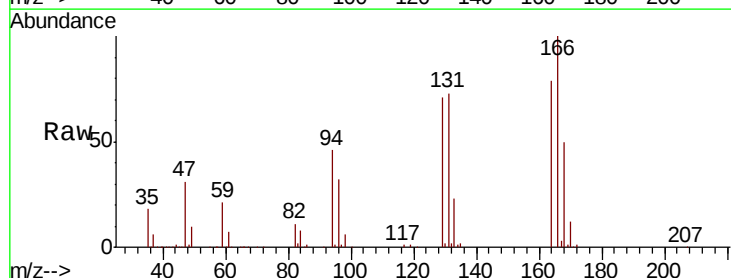
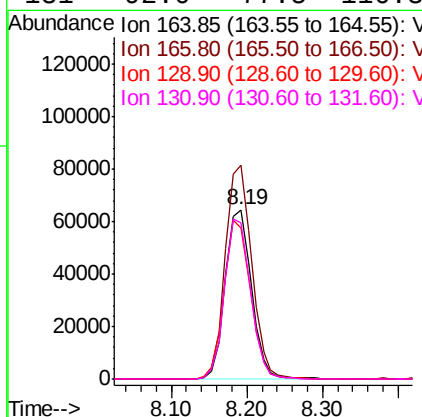
Manual Integrations
APPROVED

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11/27/2018 3:16:59 PM



#64
Tetrachloroethene
Concen: 68.702 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155189		
166	126.3	100.3	150.5	
129	89.3	77.9	116.9	
131	92.0	77.5	116.3	





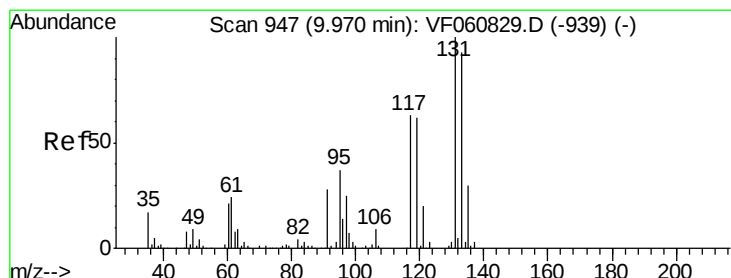
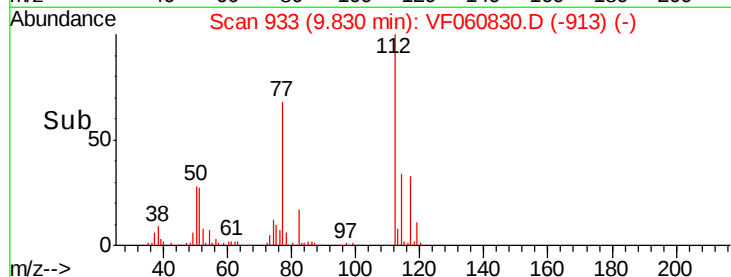
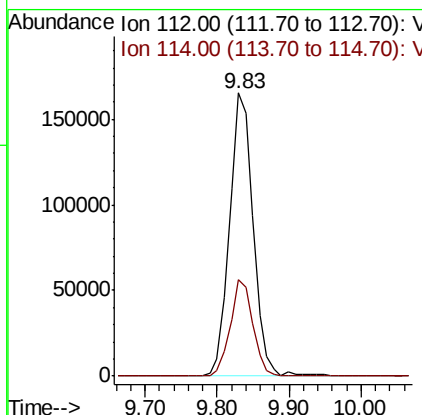
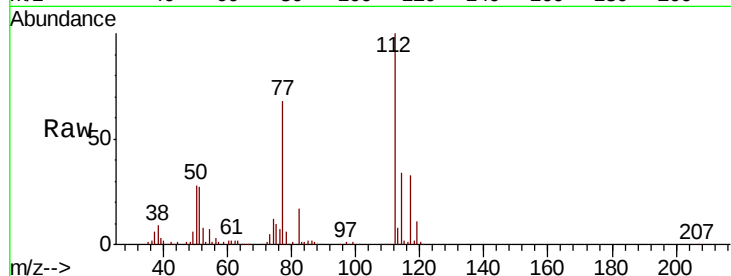
#65
Chlorobenzene
Concen: 64.144 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
112	100	378518		
114	34.1	26.0	39.0	

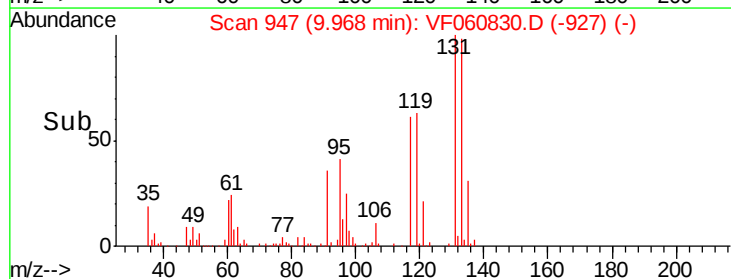
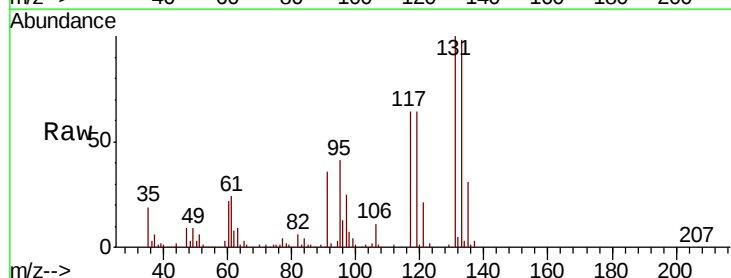
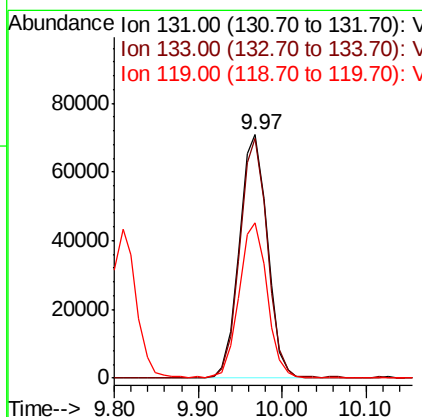
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 65.695 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	166000		
133	98.3	46.5	139.3	
119	63.7	31.1	93.3	





#67

Ethyl Benzene

Concen: 66.599 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 736058

Ion Ratio Lower Upper

91 100

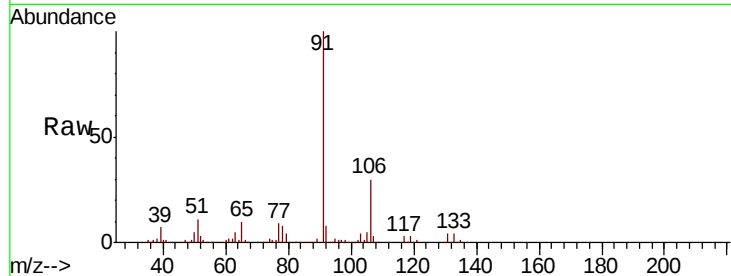
106 29.9 22.2 33.2

Manual Integrations

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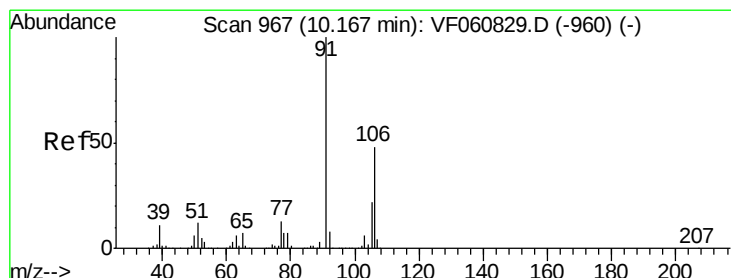
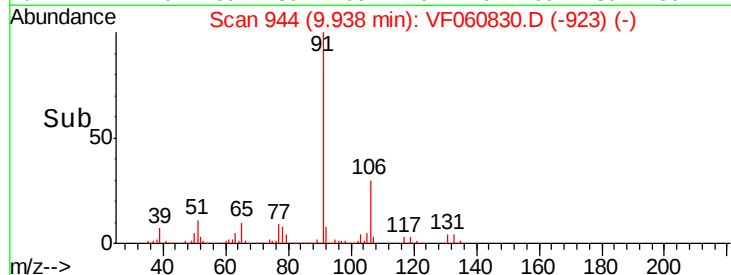
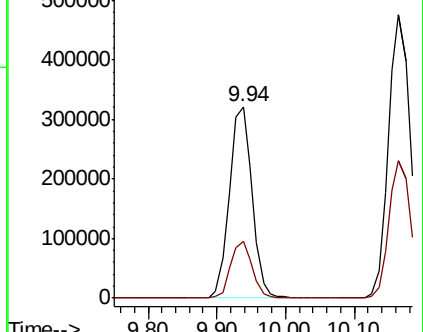
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 130.303 ug/l

RT: 10.16 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF060830.D

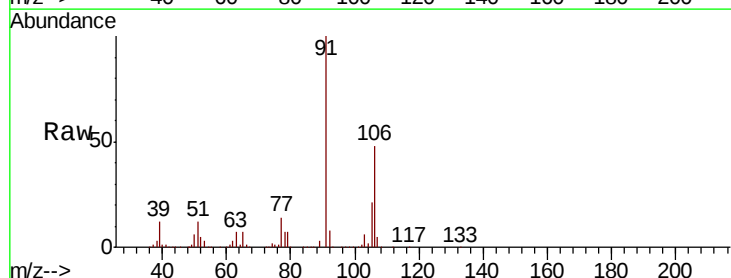
Acq: 26 Nov 2018 18:59

Tgt Ion: 106 Resp: 512844

Ion Ratio Lower Upper

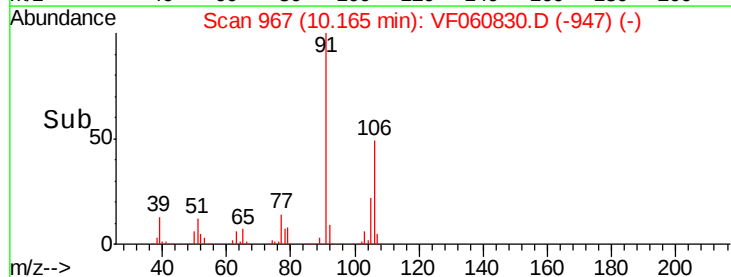
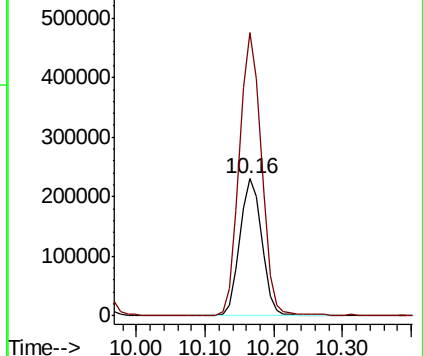
106 100

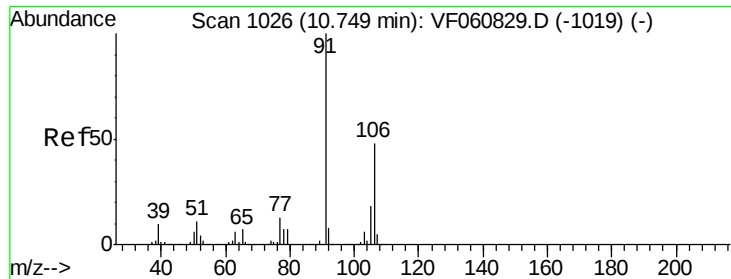
91 206.5 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





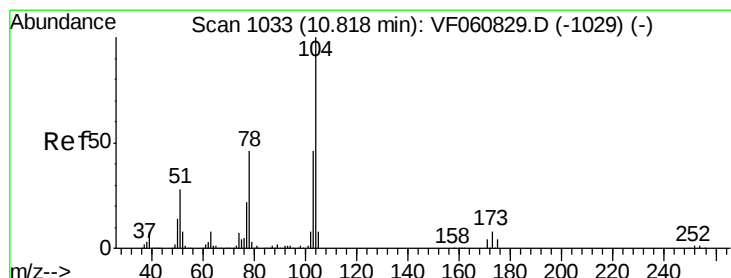
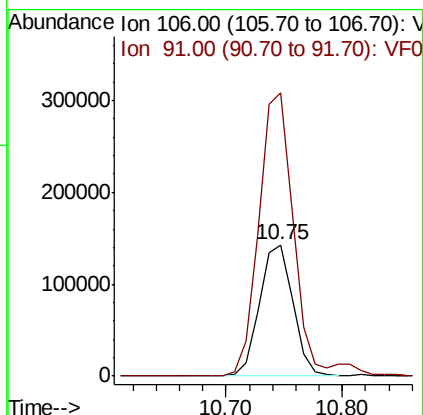
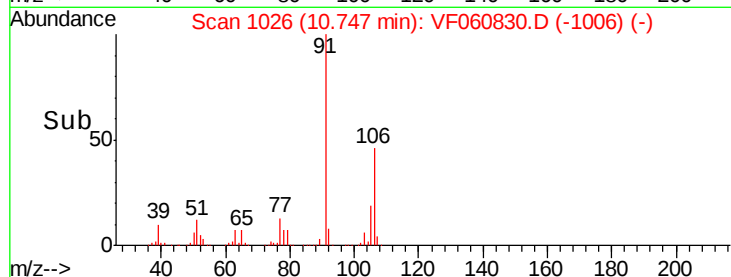
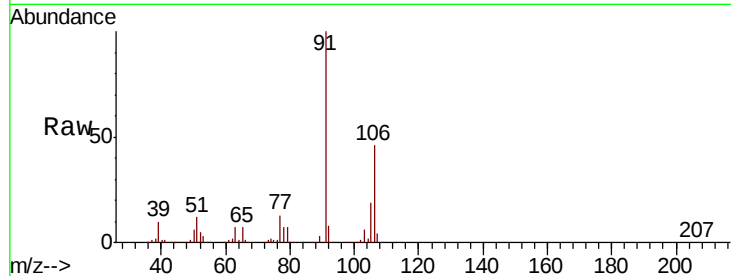
#69
o-Xylene
Concen: 64.502 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.7	104.8	314.6

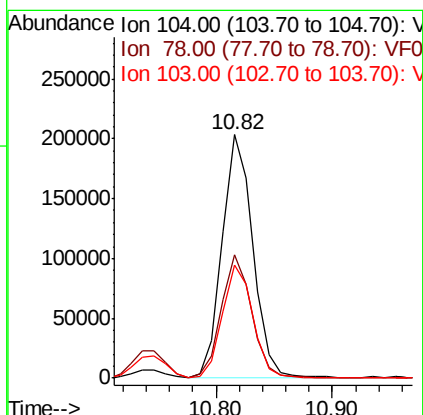
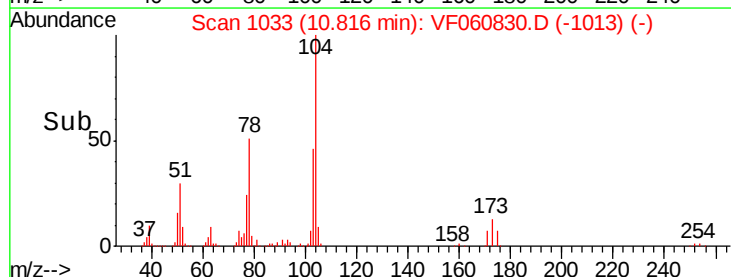
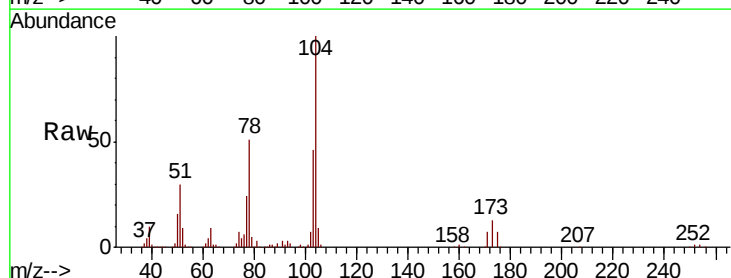
Manual Integrations
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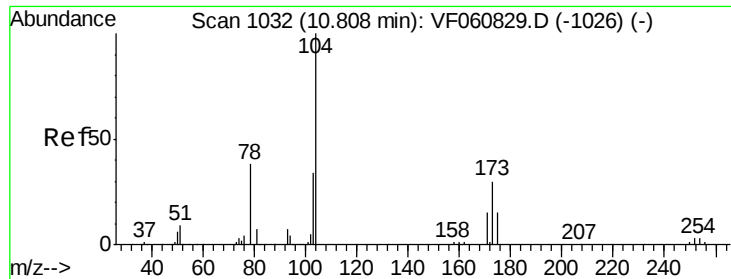
apatel
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#70
Styrene
Concen: 61.789 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	37.3	55.9
103	46.4	36.8	55.2





#71

Bromoform

Concen: 75.034 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

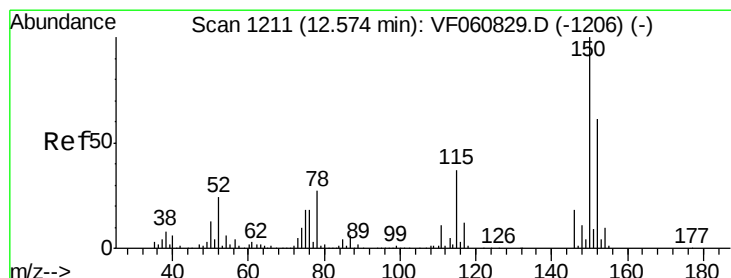
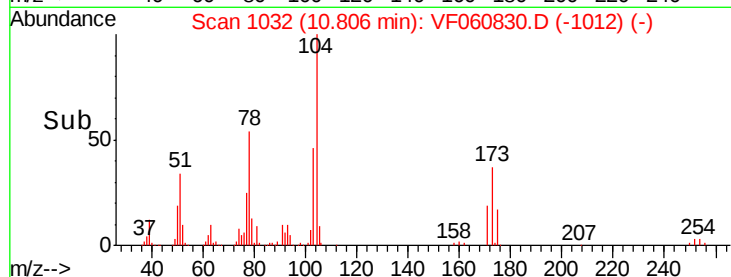
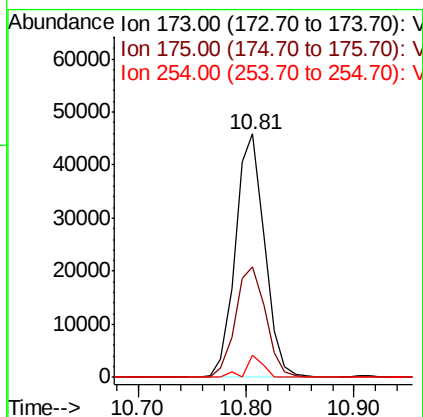
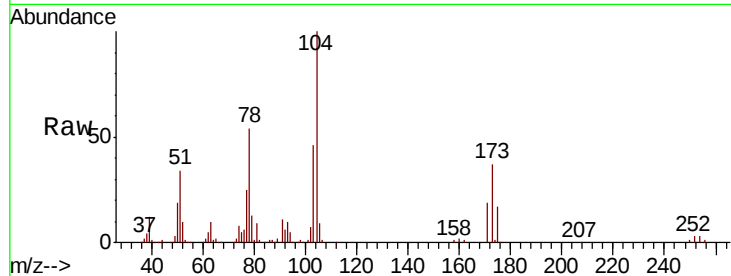
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.3	25.5	76.5
254	8.9	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

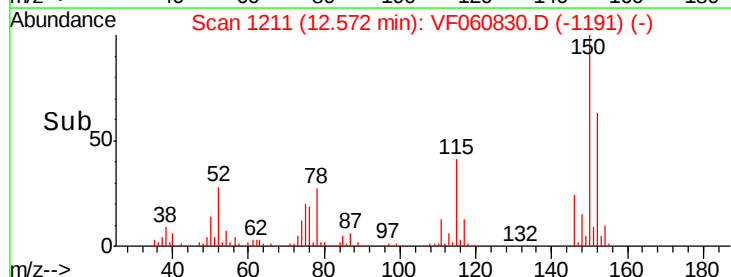
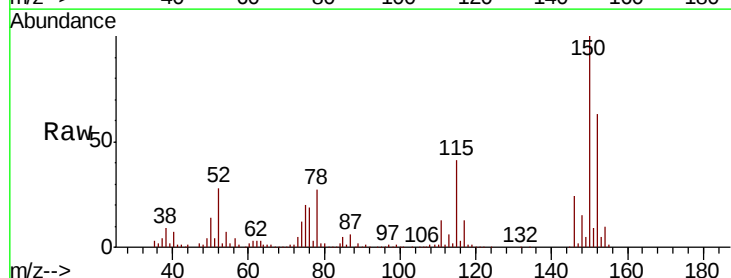
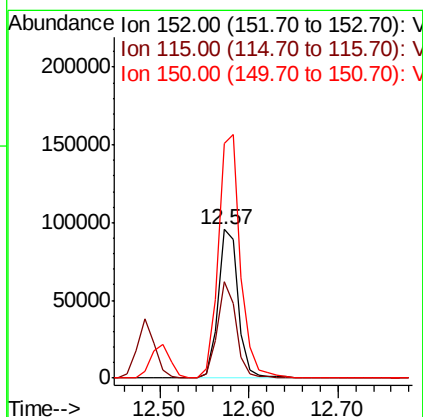
RT: 12.57 min Scan# 1211

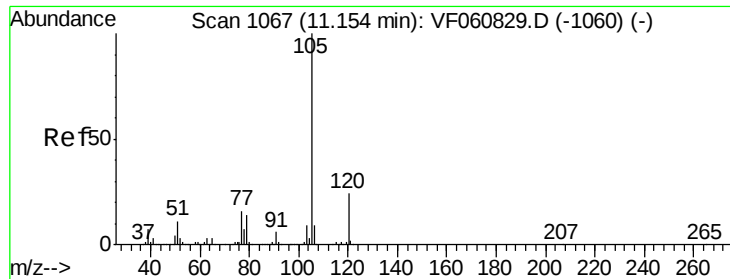
Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.1	90.5
150	157.6	0.0	327.6





#73

Isopropylbenzene

Concen: 65.746 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 105 Resp: 802665

Ion Ratio Lower Upper

105 100

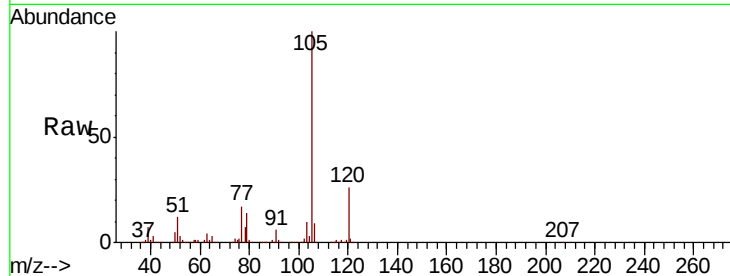
120 25.9 12.2 36.4

Manual Integrations

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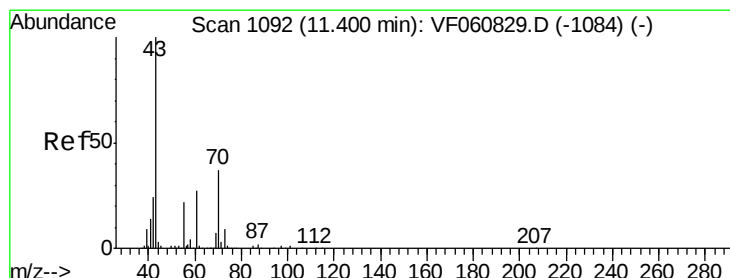
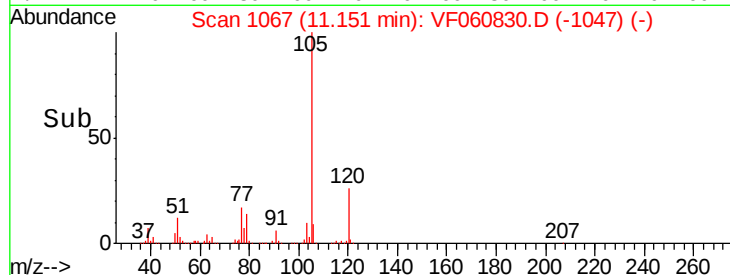
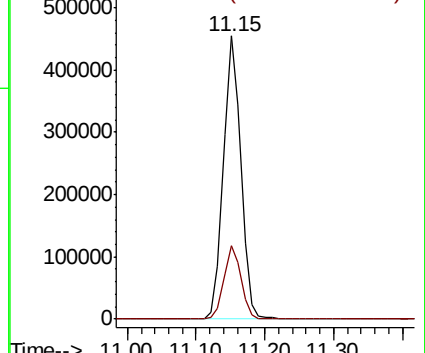
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 68.089 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion: 43 Resp: 191817

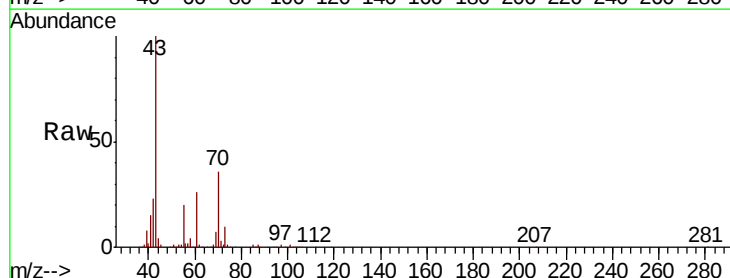
Ion Ratio Lower Upper

43 100

70 35.7 29.6 44.4

55 20.0 17.2 25.8

61 26.1 21.8 32.6

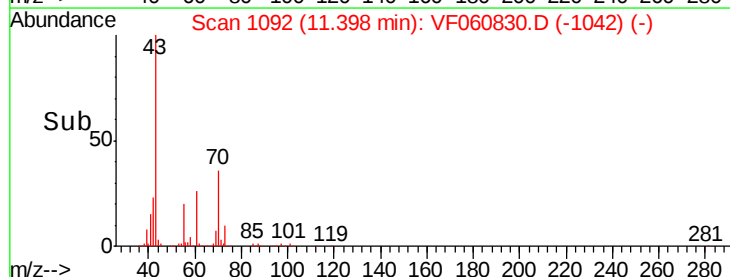
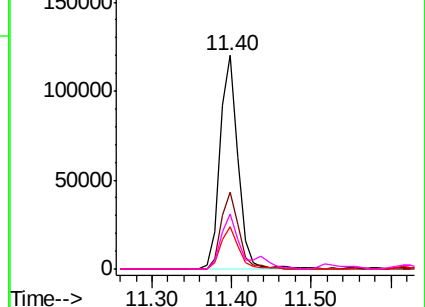


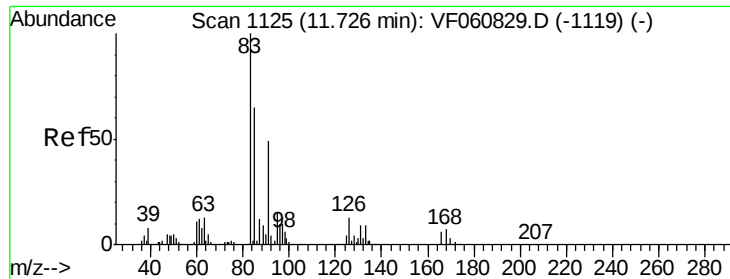
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 67.906 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

Tot Ion: 83 Resp: 136609

Ion Ratio Lower Upper

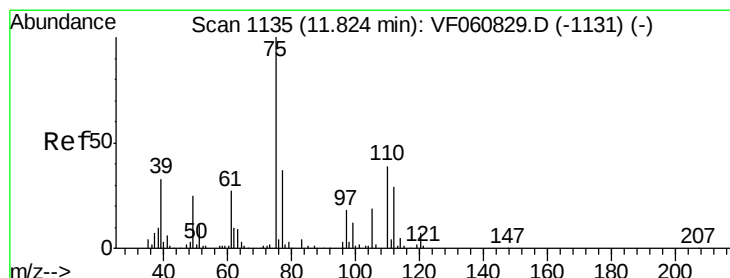
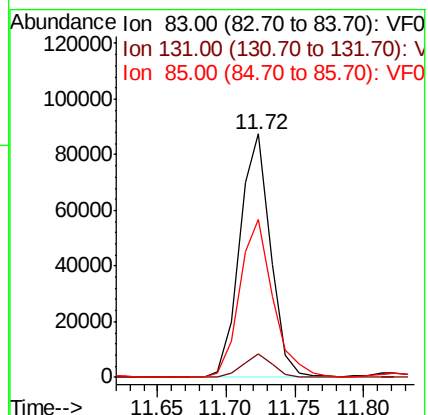
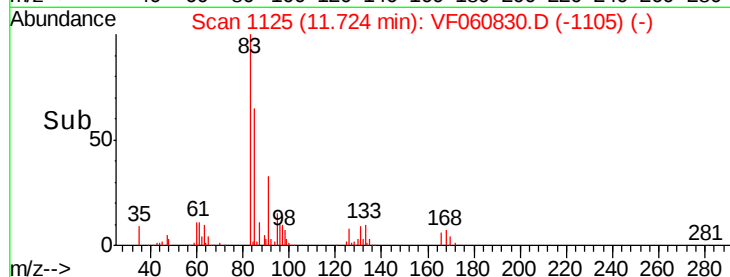
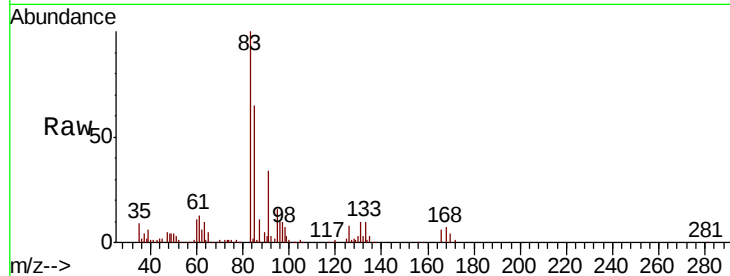
83 100

131 9.6 4.7 14.1

85 65.1 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 64.598 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060830.D

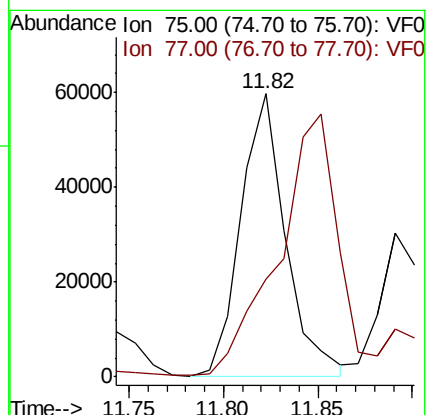
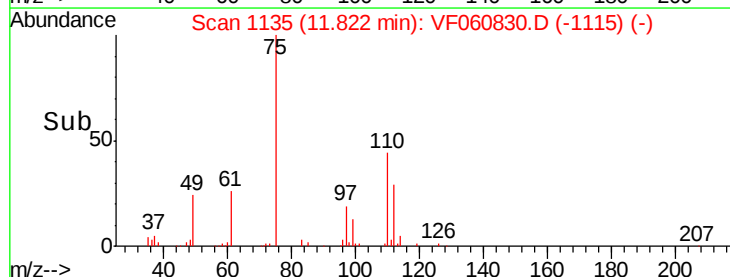
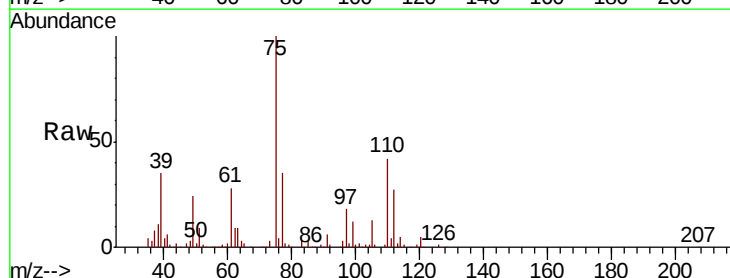
Acq: 26 Nov 2018 18:59

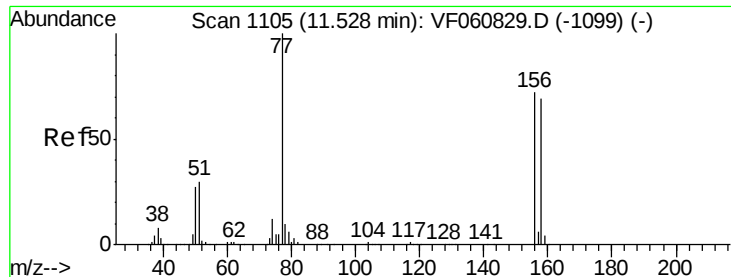
Tgt Ion: 75 Resp: 97650

Ion Ratio Lower Upper

75 100

77 34.6 18.4 55.4





#77

Bromobenzene

Concen: 67.969 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 156 Resp: 175854

Ion Ratio Lower Upper

156 100

77 152.5 69.7 209.0

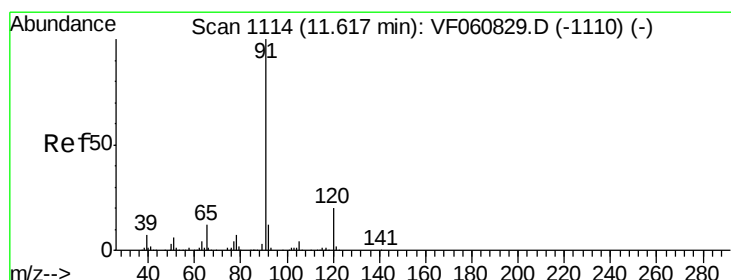
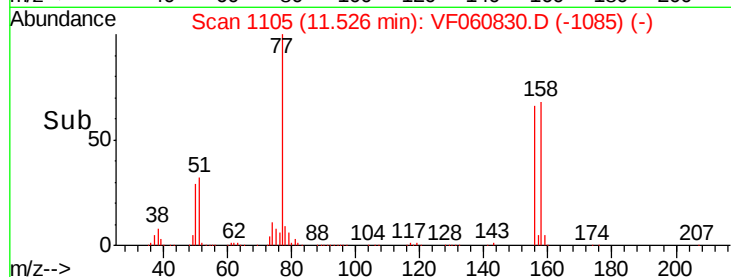
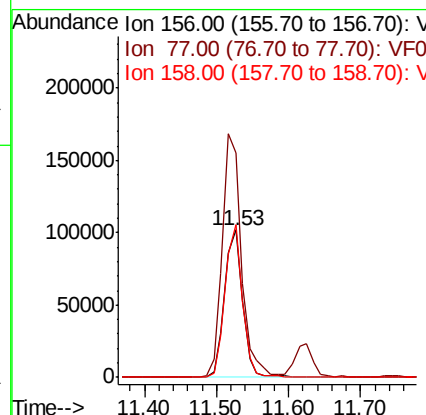
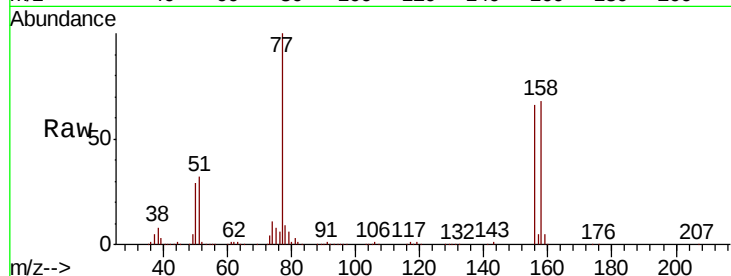
158 103.3 47.8 143.4

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#78

n-propylbenzene

Concen: 64.081 ug/l

RT: 11.62 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060830.D

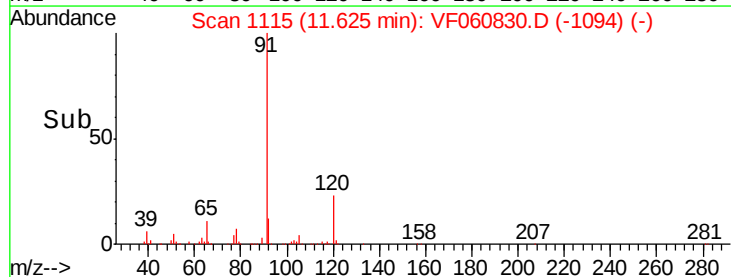
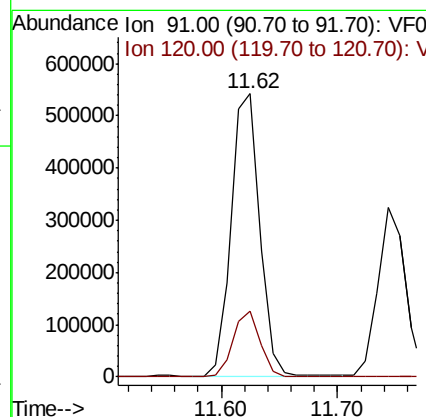
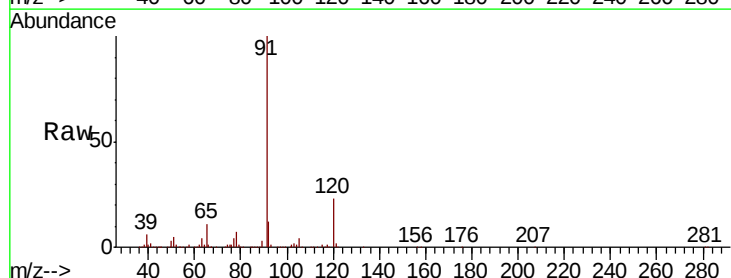
Acq: 26 Nov 2018 18:59

Tgt Ion: 91 Resp: 924379

Ion Ratio Lower Upper

91 100

120 23.1 10.3 30.8





#79

2-Chlorotoluene

Concen: 63.431 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 525874

Ion Ratio Lower Upper

91 100

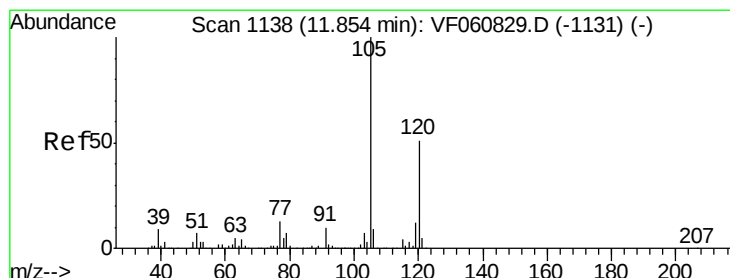
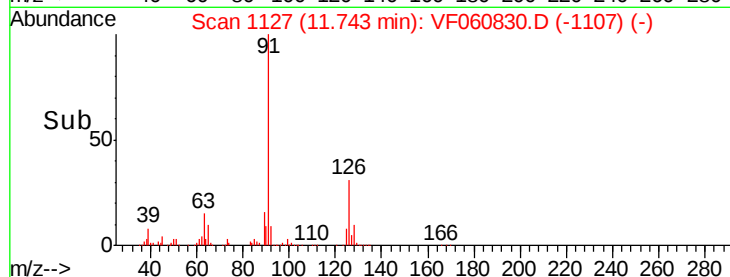
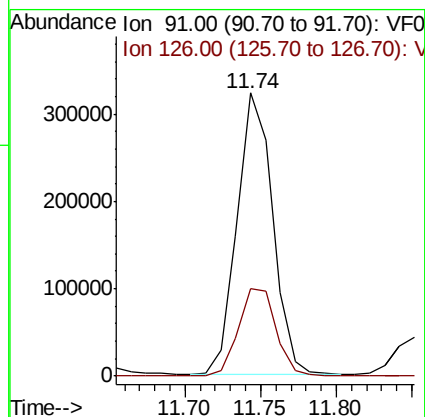
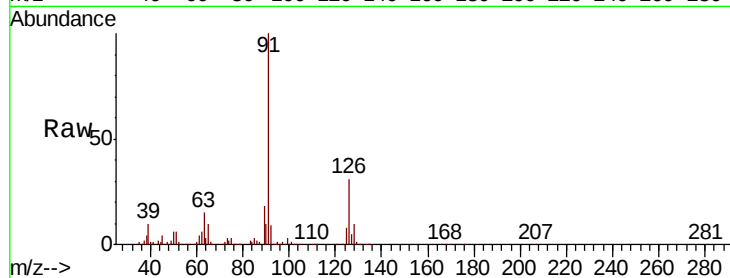
126 31.1 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 65.687 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF060830.D

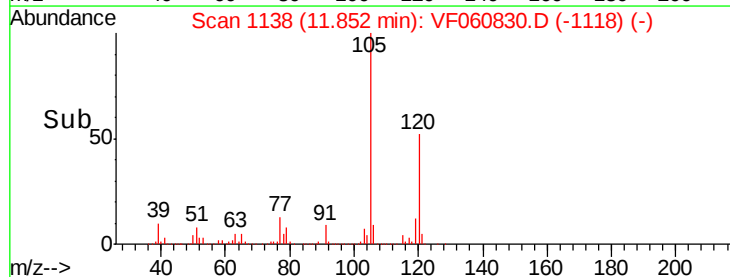
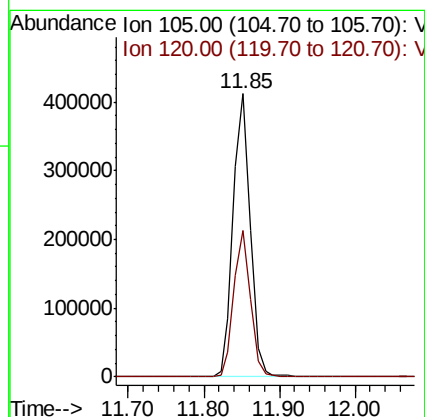
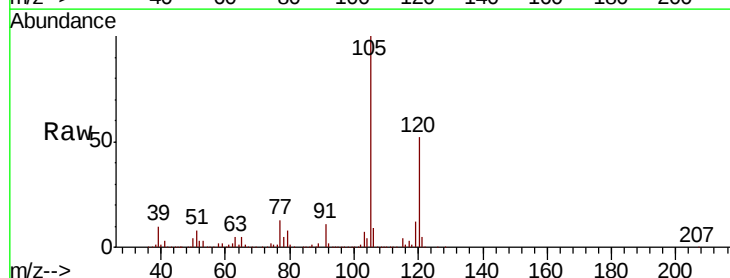
Acq: 26 Nov 2018 18:59

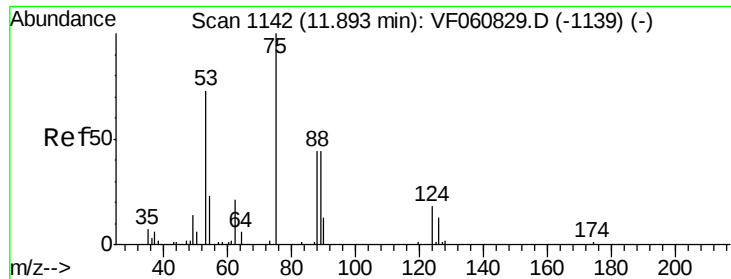
Tgt Ion: 105 Resp: 639525

Ion Ratio Lower Upper

105 100

120 51.9 25.8 77.3





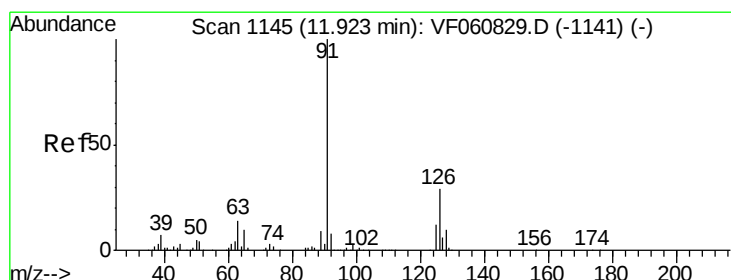
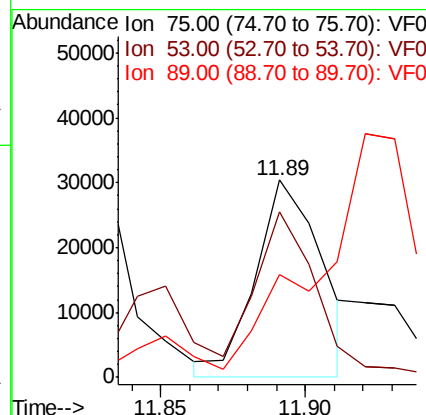
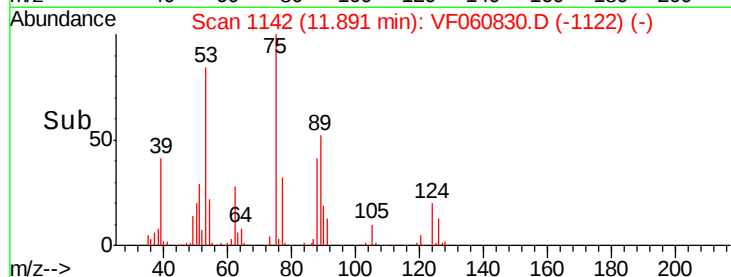
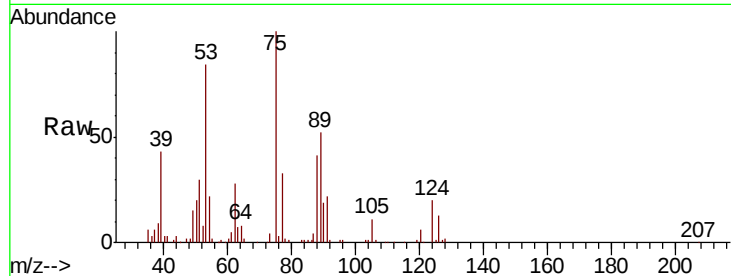
#81
trans-1,4-Dichloro-2-butene
Concen: 65.936 ug/l m
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.8	65.9	98.9
89	52.4	38.8	58.2

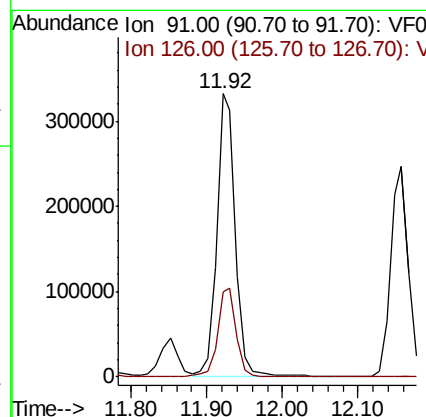
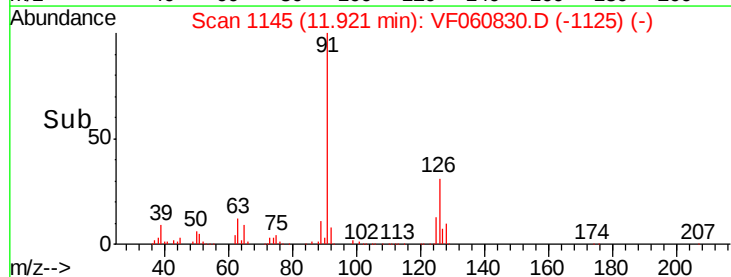
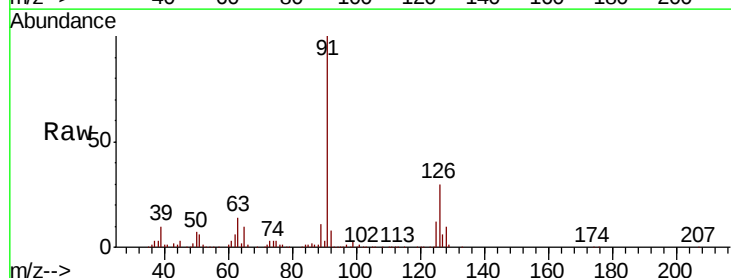
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#82
4-Chlorotoluene
Concen: 65.973 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.8	44.4





#83

tert-Butylbenzene

Concen: 62.835 ug/l

RT: 12.16 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Instrument :

MSVOA_F

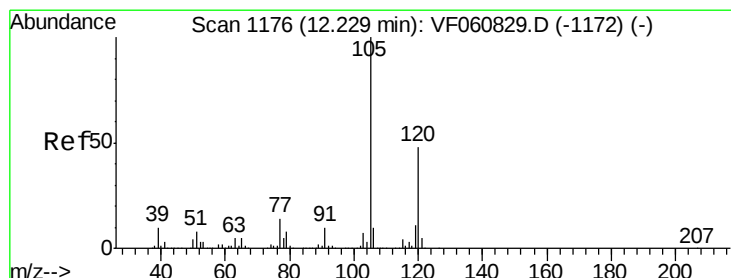
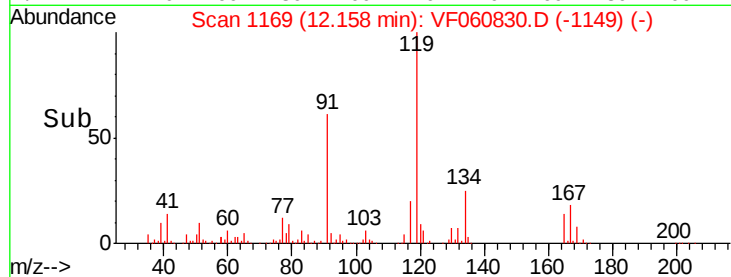
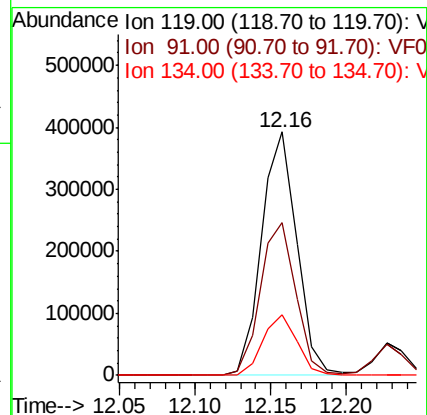
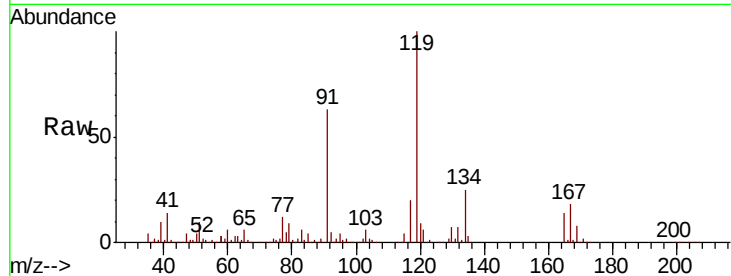
ClientSampleId :

VSTDIC075

Tot Ion:	119	Resp:	639897
Ion Ratio	Lower	Upper	
119	100		
91	62.9	30.1	90.3
134	24.9	12.6	37.8

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#84

1,2,4-Trimethylbenzene

Concen: 62.147 ug/l

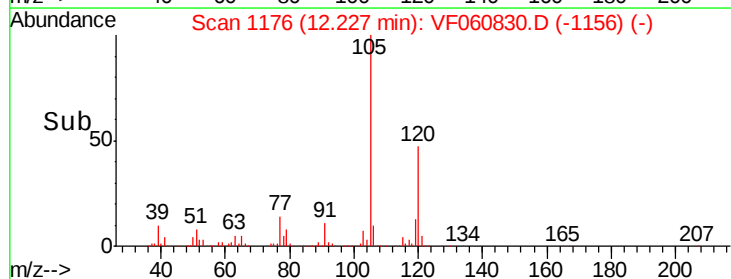
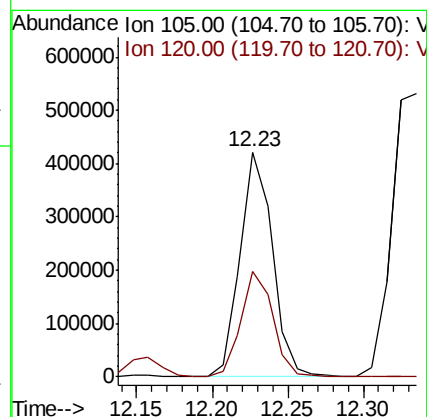
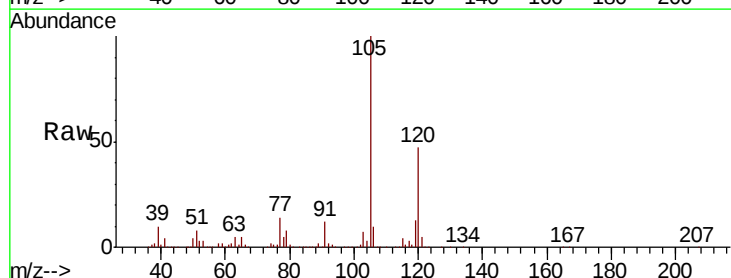
RT: 12.23 min Scan# 1176

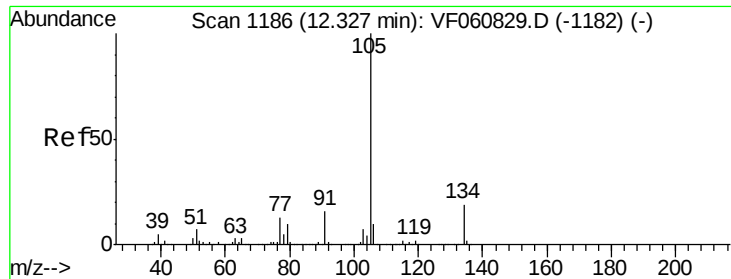
Delta R.T. -0.00 min

Lab File: VF060830.D

Acq: 26 Nov 2018 18:59

Tgt Ion:	105	Resp:	626967
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.8	71.5





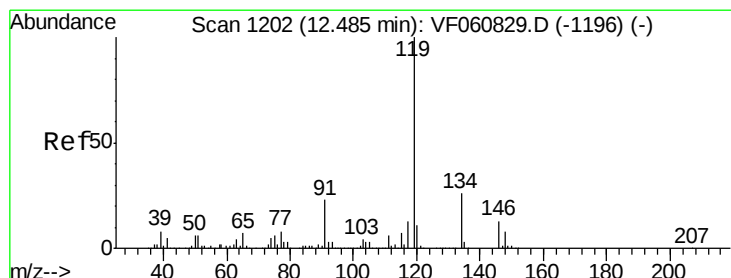
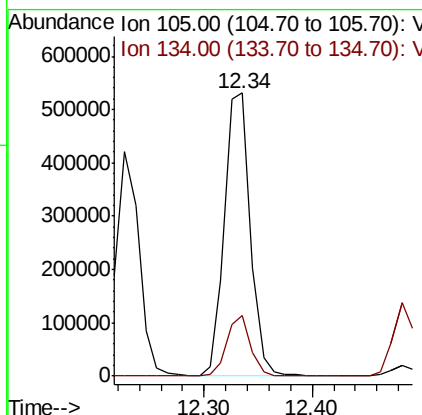
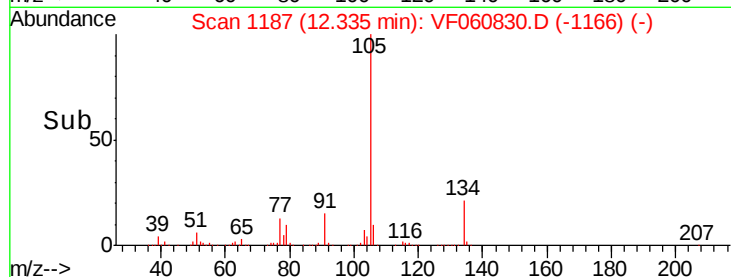
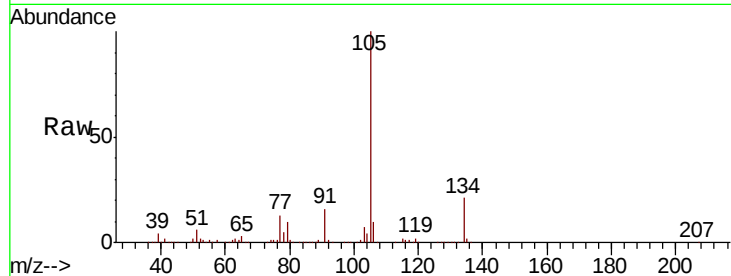
#85
 sec-Butylbenzene
 Concen: 63.677 ug/l
 RT: 12.34 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
105	100	886908		
134	21.2	9.5	28.5	

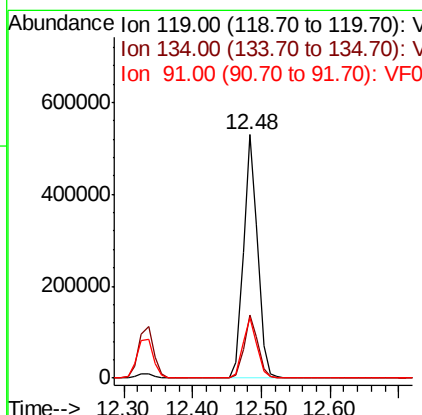
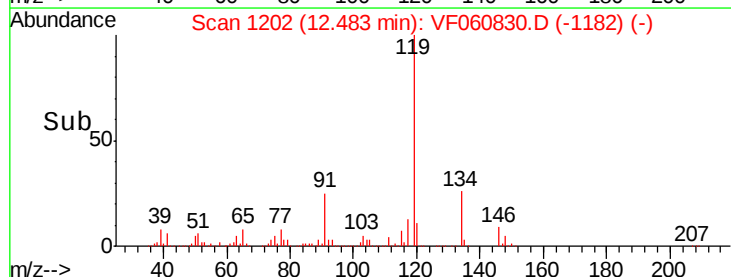
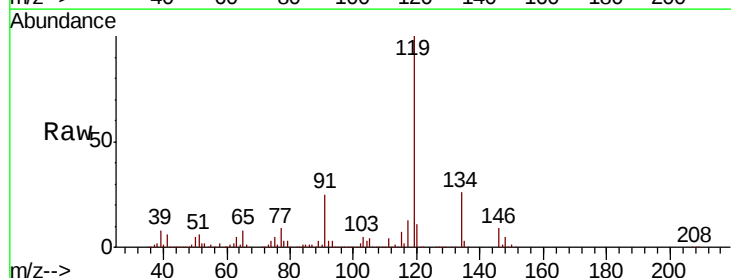
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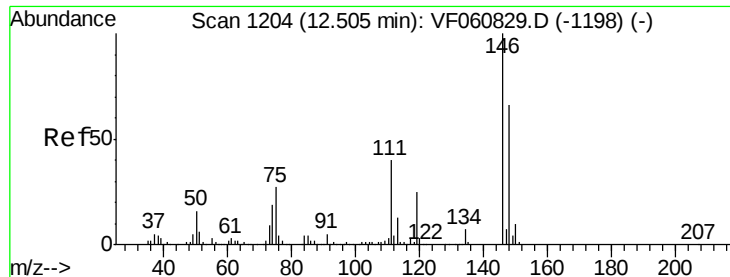
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#86
 p-Isopropyltoluene
 Concen: 64.695 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	748030		
134	25.8	12.9	38.6	
91	25.0	11.8	35.3	





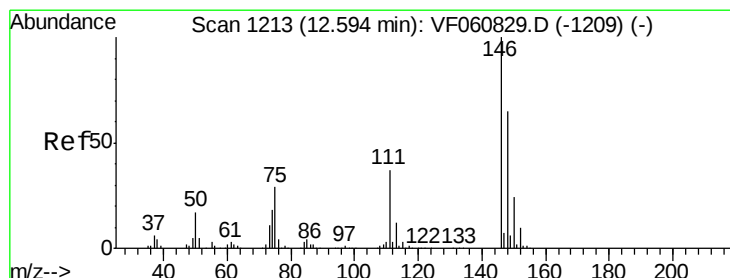
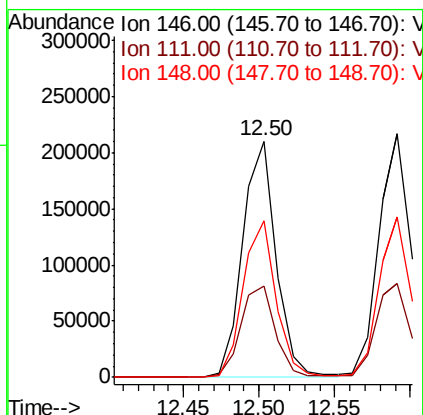
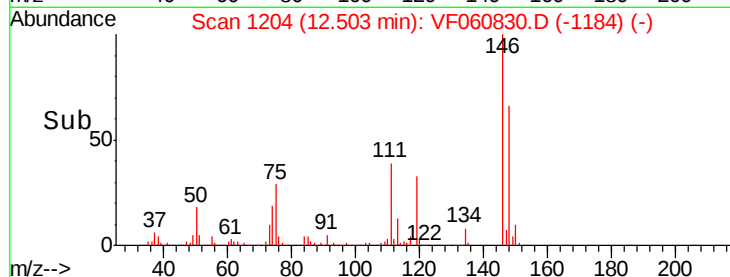
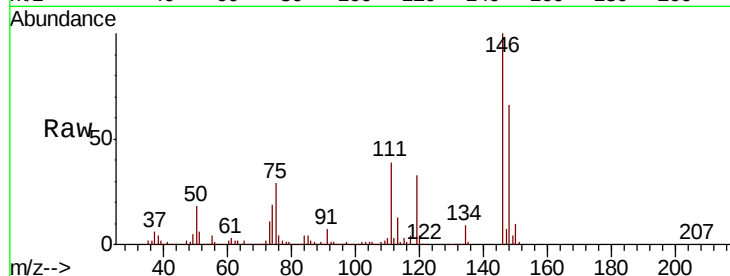
#87
 1,3-Dichlorobenzene
 Concen: 63.873 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	66.2	32.9	98.6

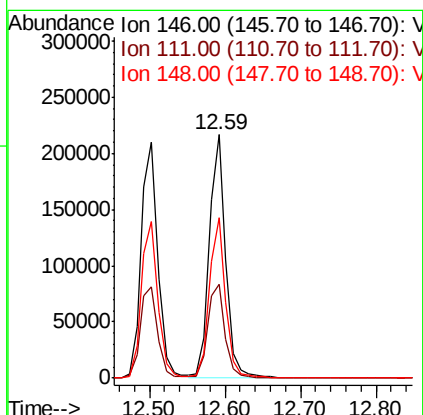
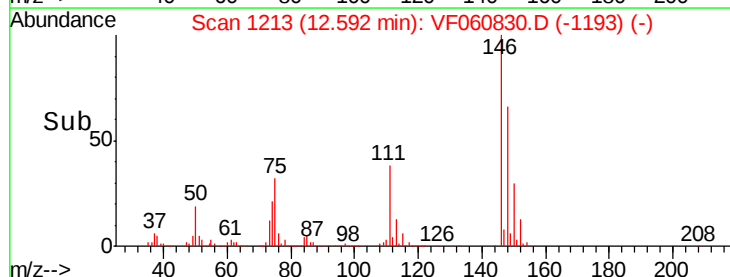
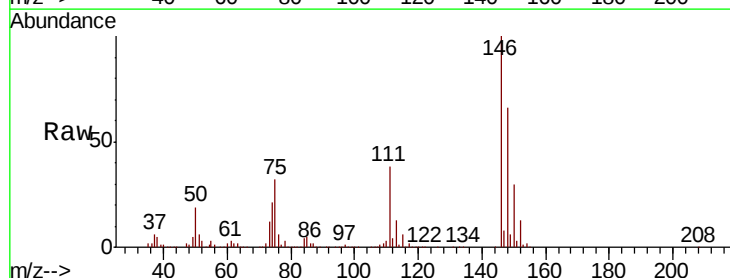
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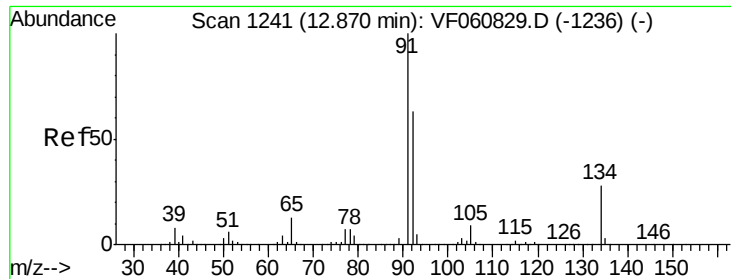
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#88
 1,4-Dichlorobenzene
 Concen: 68.086 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.7
148	66.0	32.3	96.9





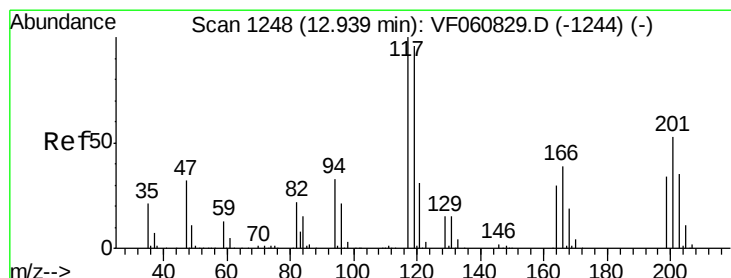
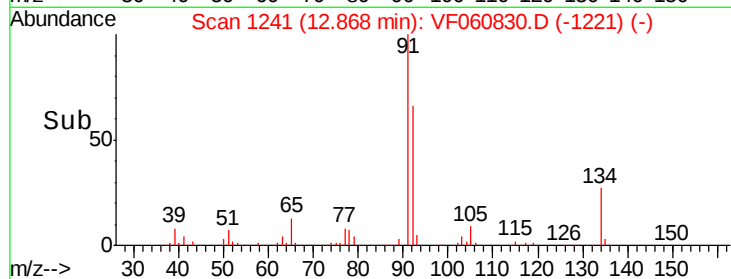
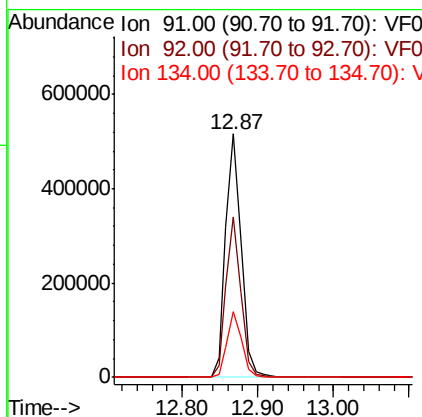
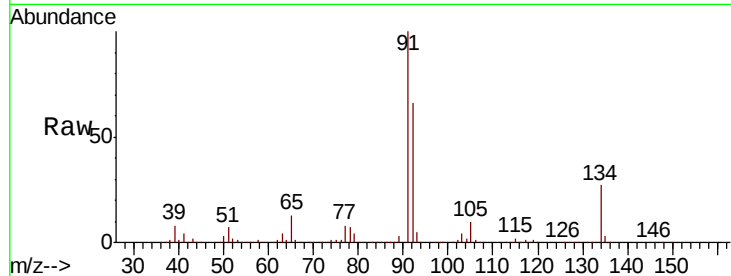
#89
n-Butylbenzene
Concen: 61.697 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.8	31.6	94.7
134	27.0	13.8	41.4

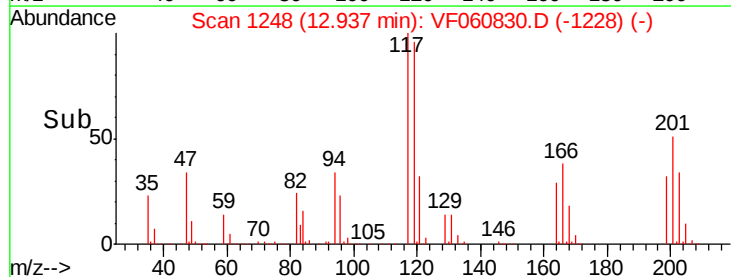
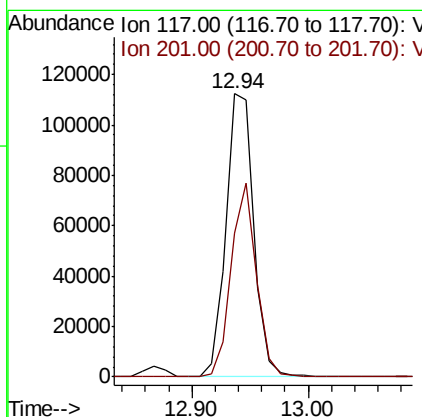
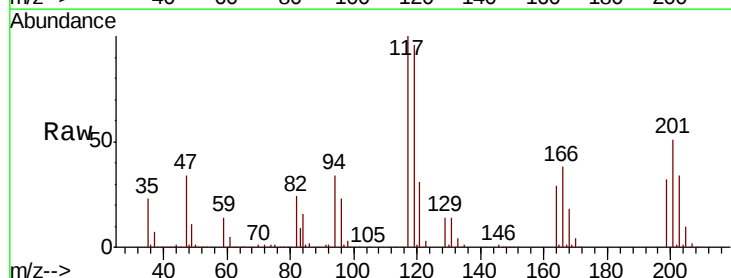
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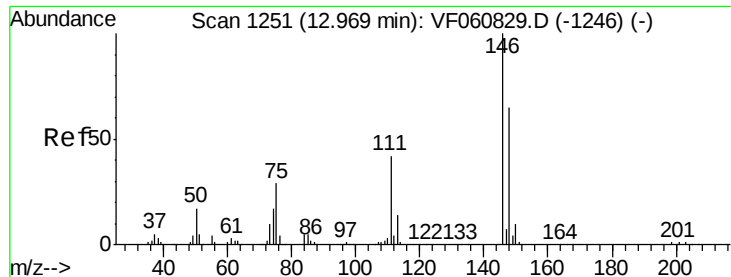
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#90
Hexachloroethane
Concen: 65.689 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	50.7	26.7	80.1





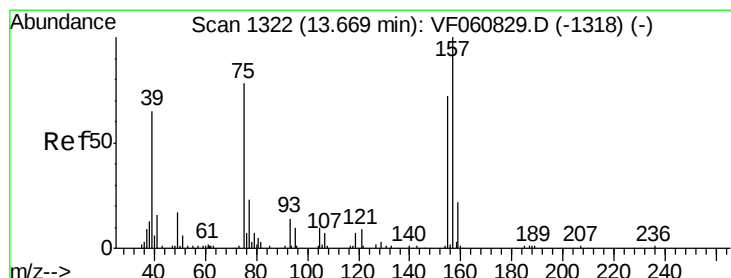
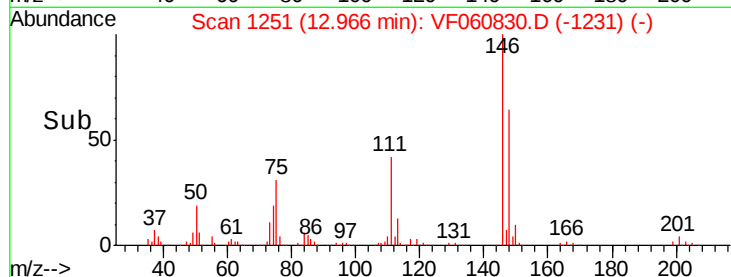
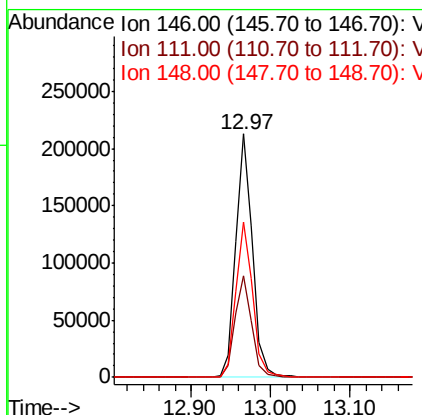
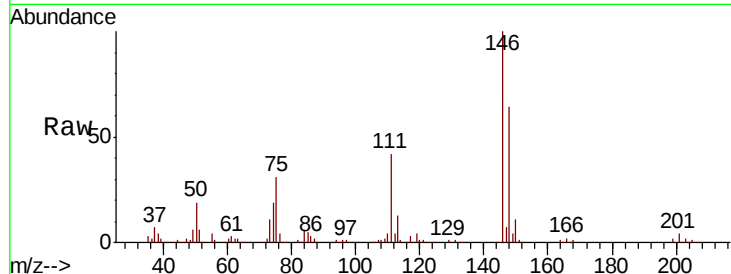
#91
 1,2-Dichlorobenzene
 Concen: 65.136 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.0	32.5	97.5

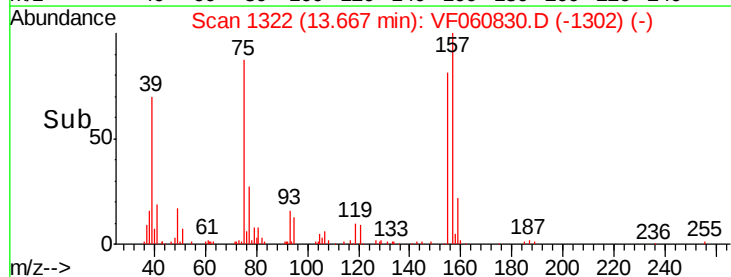
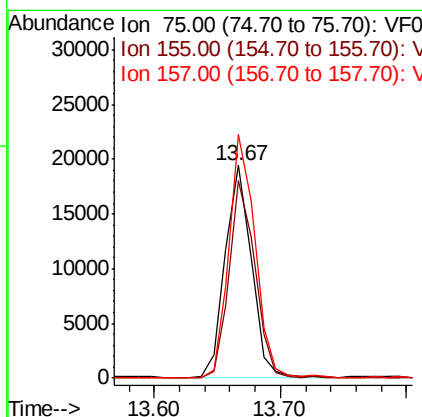
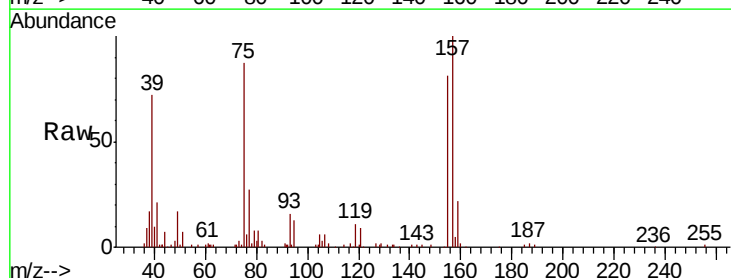
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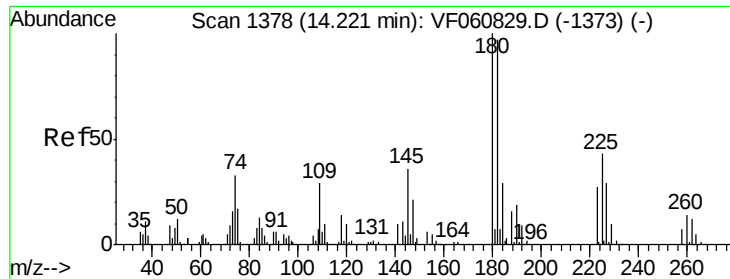
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.581 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	45.6	136.9
157	114.7	63.8	191.5





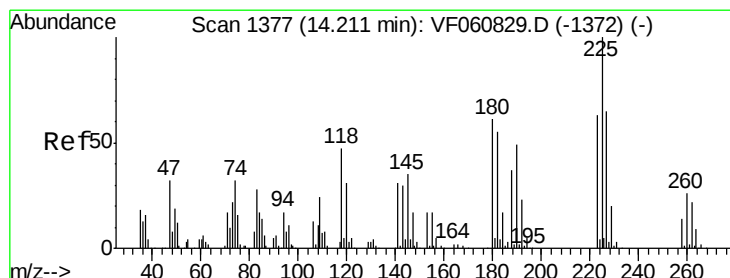
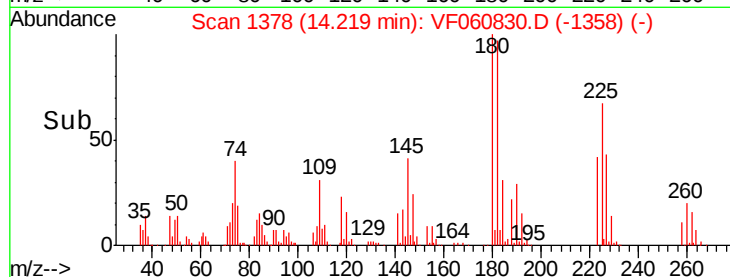
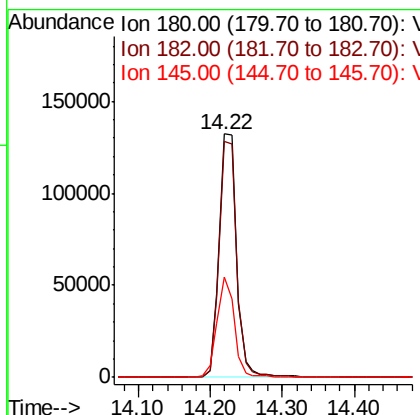
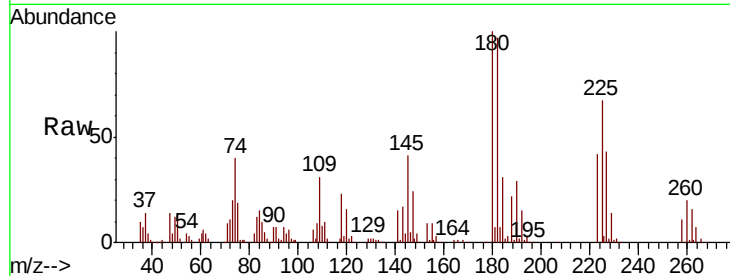
#93
 1,2,4-Trichlorobenzene
 Concen: 65.004 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	221455		
182	96.8	48.5	145.5	
145	41.0	18.1	54.3	

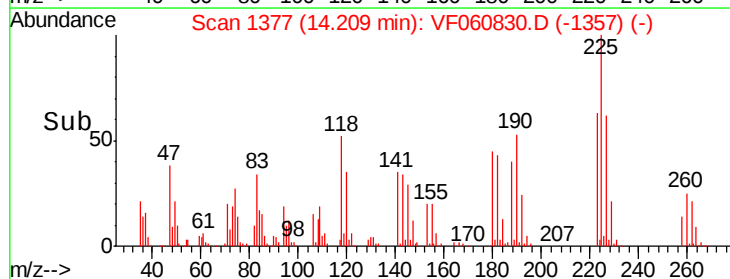
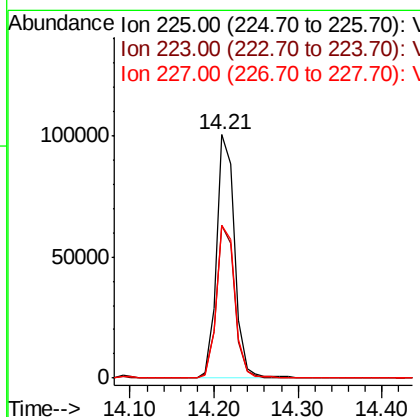
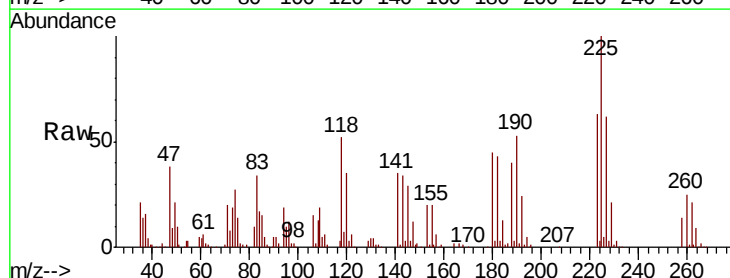
Manual Integrations
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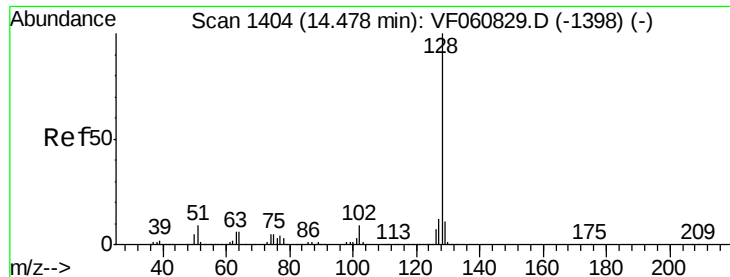
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#94
 Hexachlorobutadiene
 Concen: 67.714 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060830.D
 Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149663		
223	62.9	31.4	94.3	
227	62.5	32.5	97.5	





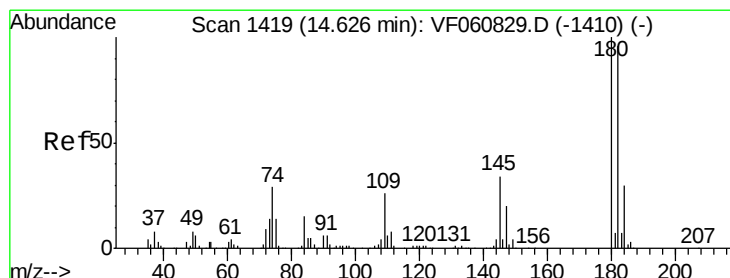
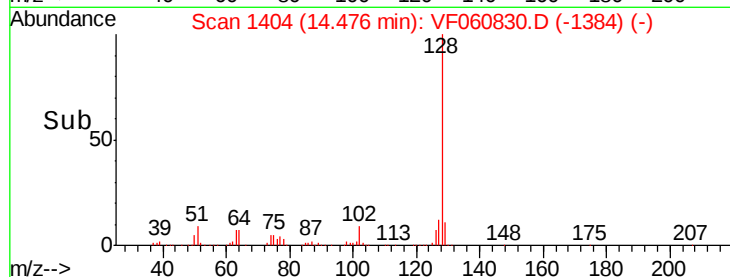
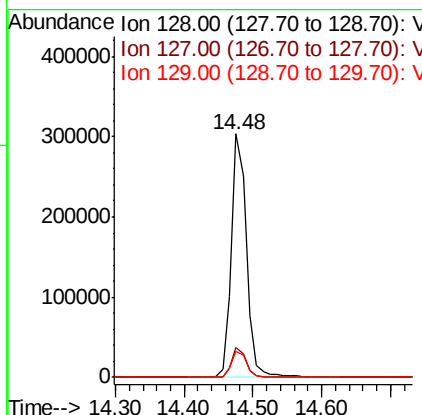
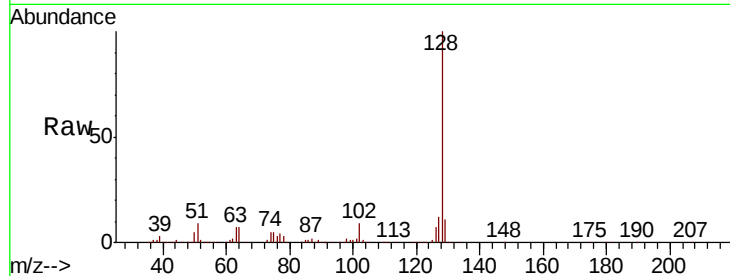
#95
Naphthalene
Concen: 74.248 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.9	14.9
129	10.8	9.1	13.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 68.868 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060830.D
Acq: 26 Nov 2018 18:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.8
145	38.4	17.2	51.5

