

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060914.D
 Acq On : 6 Dec 2018 13:45
 Operator : VA/AP
 Sample : VF1206SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBSD01

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:07:39 PM

Quant Time: Dec 06 17:17:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	183809	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	308192	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	286619	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.55	152	155042	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	128634	59.41	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	118.82%	
35) Dibromofluoromethane	4.10	113	133003	54.40	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	108.80%	
50) Toluene-d8	7.55	98	384273	53.36	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	11.40	95	169950	51.92	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	60639	22.064	ug/l	90
3) Chloromethane	1.10	50	38384	21.463	ug/l #	88
4) Vinyl Chloride	1.14	62	37390	22.414	ug/l #	86
5) Bromomethane	1.32	94	25786	21.922	ug/l	95
6) Chloroethane	1.40	64	17527	24.306	ug/l	97
7) Trichlorofluoromethane	1.49	101	80302m	22.436	ug/l	
8) Diethyl Ether	1.63	74	12214	23.731	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42167	23.304	ug/l	92
10) Methyl Iodide	1.91	142	53417	19.422	ug/l	96
11) Tert butyl alcohol	2.58	59	9783	110.216	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	32585	22.389	ug/l	93
13) Acrolein	2.00	56	8523	101.345	ug/l	96
14) Allyl chloride	2.09	41	34726	19.143	ug/l	93
15) Acrylonitrile	2.94	53	22751	114.328	ug/l	93
16) Acetone	2.24	43	47346	118.573	ug/l	99
17) Carbon Disulfide	1.83	76	90933m	23.302	ug/l	
18) Methyl Acetate	2.34	43	24630m	36.315	ug/l	
19) Methyl tert-butyl Ether	2.43	73	73230	22.340	ug/l	98
20) Methylene Chloride	2.26	84	38157m	26.048	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	32841m	23.406	ug/l	
22) Diisopropyl ether	2.79	45	110399	22.358	ug/l	95
23) Vinyl Acetate	3.19	43	289459	128.243	ug/l	98
24) 1,1-Dichloroethane	2.86	63	67854	23.097	ug/l	98
25) 2-Butanone	4.33	43	83592	121.034	ug/l	97
26) 2,2-Dichloropropane	3.59	77	41063	21.560	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	50407	22.067	ug/l	96
28) Bromochloromethane	3.71	49	33646	23.864	ug/l	91
29) Tetrahydrofuran	4.07	42	32790	112.005	ug/l	99
30) Chloroform	3.86	83	102774	22.730	ug/l	98
31) Cyclohexane	3.69	56	66956m	21.961	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	57369	18.295	ug/l	97
36) 1,1-Dichloropropene	4.27	75	77302	22.614	ug/l	97
37) Ethyl Acetate	4.11	43	28735	20.686	ug/l #	75
38) Carbon Tetrachloride	3.98	117	61226	20.278	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060914.D
 Acq On : 6 Dec 2018 13:45
 Operator : VA/AP
 Sample : VF1206SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1206SBS01

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:07:39 PM

Quant Time: Dec 06 17:17:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	64875	18.110	ug/l	95
40) Benzene	4.63	78	164629	21.800	ug/l	98
41) Methacrylonitrile	4.74	41	16671	20.923	ug/l	93
42) 1,2-Dichloroethane	4.93	62	60584	21.974	ug/l	96
43) Isopropyl Acetate	6.95	43	36641	19.732	ug/l #	95
44) Trichloroethene	5.49	130	52059	21.083	ug/l	98
45) 1,2-Dichloropropane	6.23	63	44081	22.475	ug/l #	87
46) Dibromomethane	6.09	93	28507	21.426	ug/l	99
47) Bromodichloromethane	6.38	83	77723	21.994	ug/l	98
48) Methyl methacrylate	6.72	41	25769	20.494	ug/l	95
49) 1,4-Dioxane	6.71	88	4106	446.179	ug/l #	76
51) 4-Methyl-2-Pentanone	8.26	43	138583	108.183	ug/l	99
52) Toluene	7.62	92	105340	19.858	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	62614	21.783	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	74549	20.950	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	31130	20.140	ug/l	99
56) Ethyl methacrylate	8.62	69	35363	20.595	ug/l	98
57) 1,3-Dichloropropane	8.85	76	59943	22.166	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.29	63	29532	168.150	ug/l	93
59) 2-Hexanone	9.49	43	98955	110.109	ug/l	99
60) Dibromochloromethane	8.71	129	48011	20.847	ug/l	97
61) 1,2-Dibromoethane	8.99	107	34647	20.750	ug/l	97
64) Tetrachloroethene	8.15	164	45386	20.732	ug/l	95
65) Chlorobenzene	9.80	112	121355	21.764	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	53172	22.182	ug/l	97
67) Ethyl Benzene	9.89	91	233259	22.471	ug/l	99
68) m/p-Xylenes	10.13	106	165144	44.233	ug/l	99
69) o-Xylene	10.71	106	90465	21.974	ug/l	91
70) Styrene	10.78	104	125377	21.969	ug/l	98
71) Bromoform	10.77	173	23814	20.568	ug/l #	95
73) Isopropylbenzene	11.12	105	272539	22.244	ug/l	98
74) N-amyl acetate	11.36	43	64120	22.663	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	44854	22.244	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	31586	21.550	ug/l	100
77) Bromobenzene	11.49	156	56984	21.214	ug/l	91
78) n-propylbenzene	11.59	91	330414	23.028	ug/l	100
79) 2-Chlorotoluene	11.72	91	184908	22.475	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	218947	22.012	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	15597m	21.719	ug/l	
82) 4-Chlorotoluene	11.90	91	191508	22.119	ug/l	100
83) tert-Butylbenzene	12.12	119	230958	22.795	ug/l	94
84) 1,2,4-Trimethylbenzene	12.20	105	226216	22.788	ug/l	97
85) sec-Butylbenzene	12.30	105	306693	22.112	ug/l	99
86) p-Isopropyltoluene	12.46	119	254407	21.878	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	109716	21.473	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	106718	21.432	ug/l	93
89) n-Butylbenzene	12.84	91	272687	23.191	ug/l	94
90) Hexachloroethane	12.91	117	63334	22.618	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	103947	21.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7705	19.764	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
Data File : VF060914.D
Acq On : 6 Dec 2018 13:45
Operator : VA/AP
Sample : VF1206SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBSD01

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM

Quant Time: Dec 06 17:17:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77378	22.887	ug/l	99
94) Hexachlorobutadiene	14.18	225	49217	21.838	ug/l	95
95) Naphthalene	14.45	128	134037	18.201	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	68986	21.976	ug/l	96

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

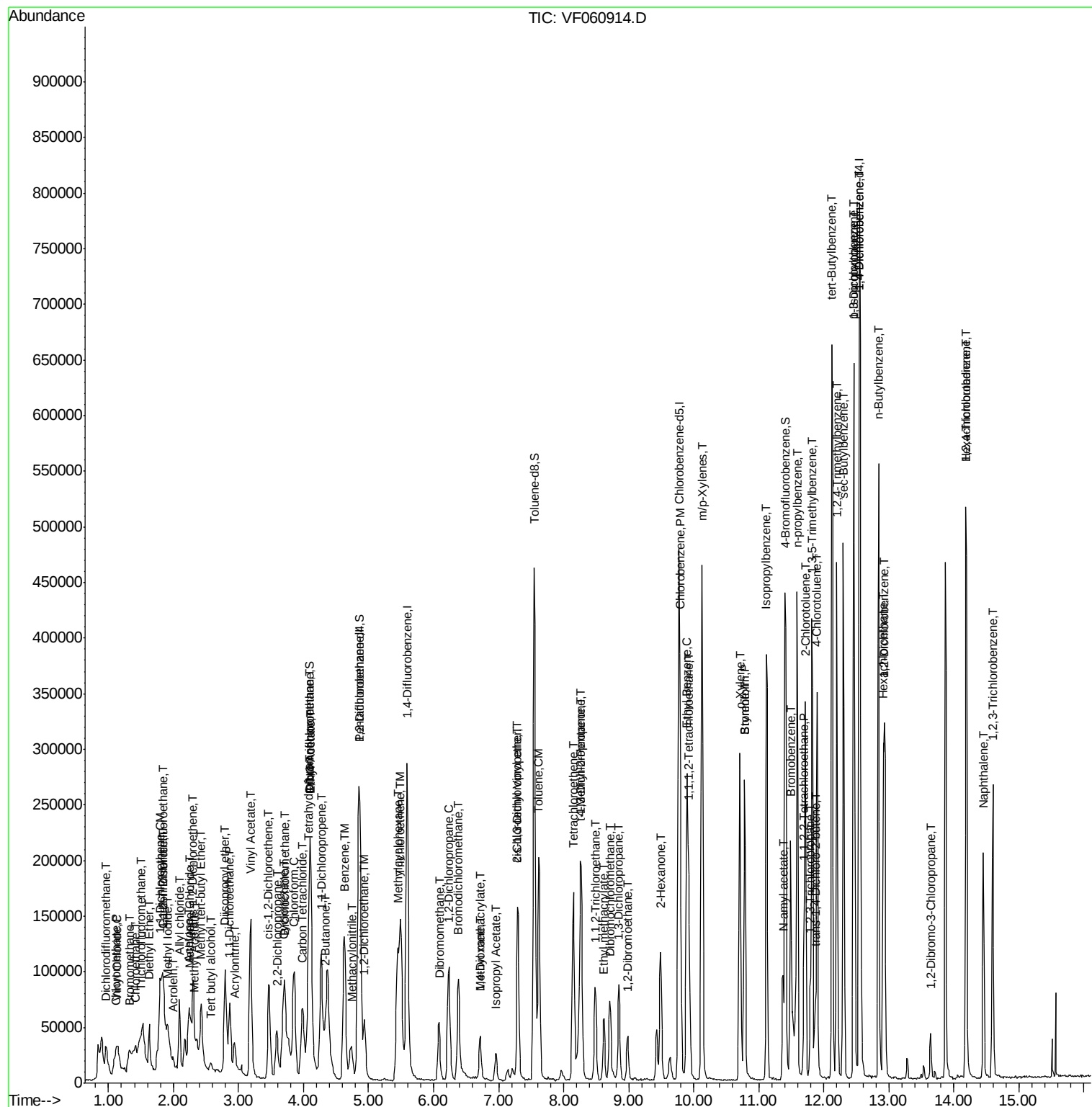
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120618\
Data File : VF060914.D
Acq On : 6 Dec 2018 13:45
Operator : VA/AP
Sample : VF1206SBSD01
Misc : 5.00µL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

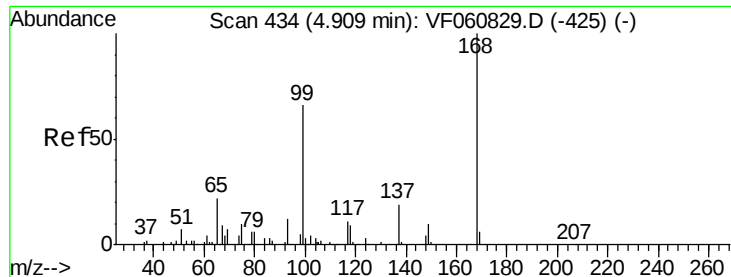
Instrument :
MSVOA_F
Client Sample ID :
VF1206SBSD01

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM

Quant Time: Dec 06 17:17:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

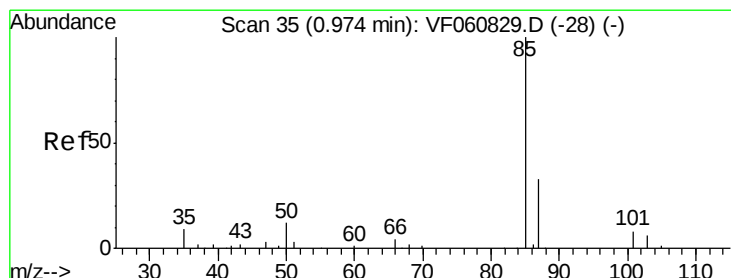
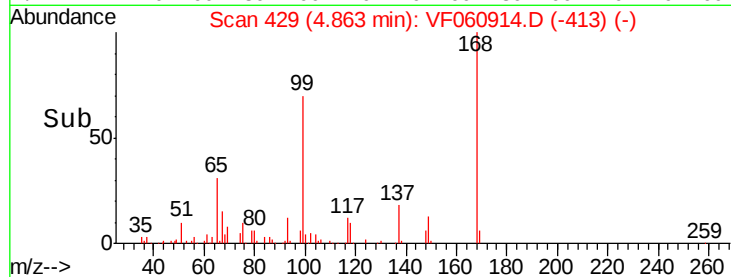
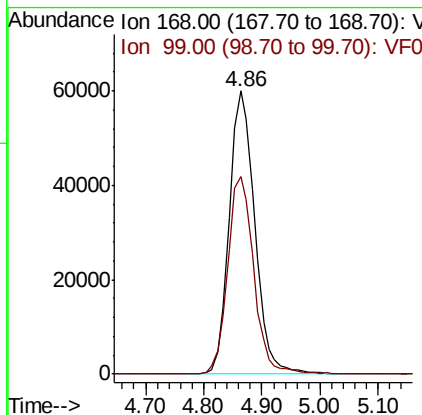
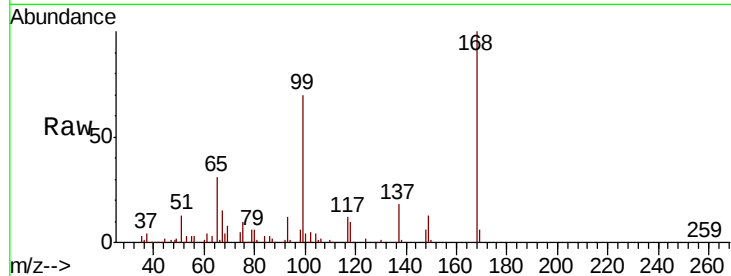
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	70.0	52.6	79.0

Manual Integrations
APPROVED

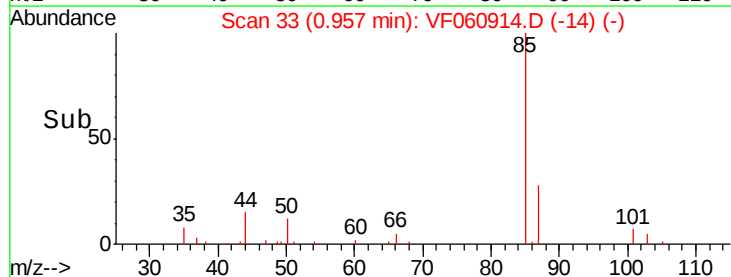
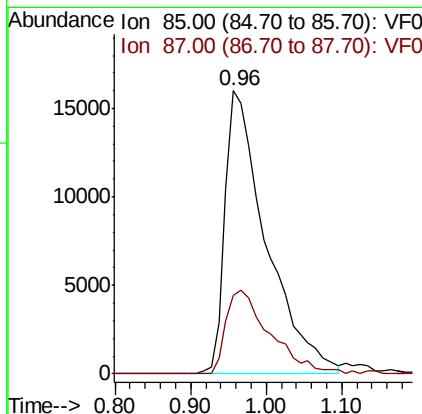
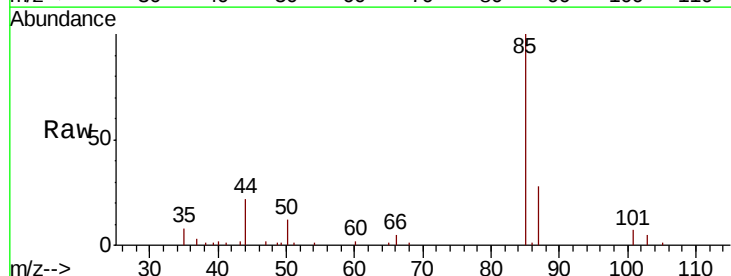
apatel
12/7/2018 12:07:39 PM

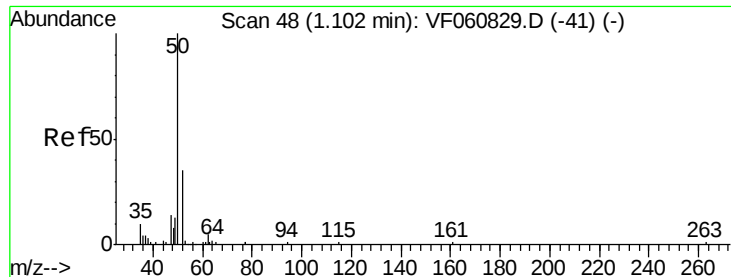


#2

Dichlorodifluoromethane
Concen: 22.064 ug/l
RT: 0.96 min Scan# 33
Delta R.T. -0.02 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	27.7	16.7	50.0





#3

Chloromethane

Concen: 21.463 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 50 Resp: 38384

Ion Ratio Lower Upper

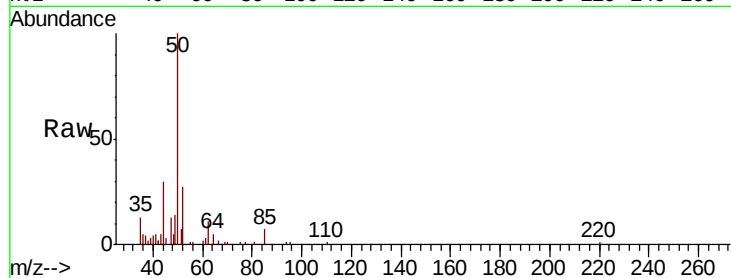
50 100

52 26.9 27.0 40.4#

Manual Integrations
APPROVED

apatel

12/7/2018 12:07:39 PM



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

10000

8000

6000

4000

2000

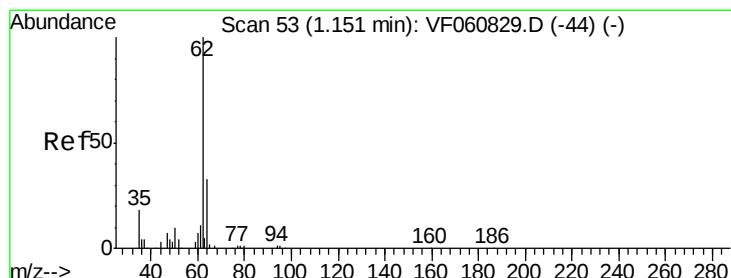
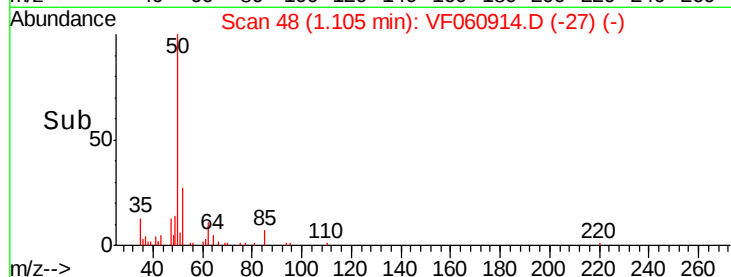
0

1.00

1.10

1.20

Time-->



#4

Vinyl Chloride

Concen: 22.414 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060914.D

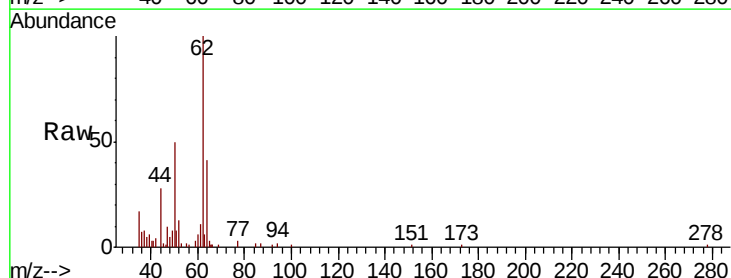
Acq: 6 Dec 2018 13:45

Tgt Ion: 62 Resp: 37390

Ion Ratio Lower Upper

62 100

64 41.0 26.4 39.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

10000

8000

6000

4000

2000

0

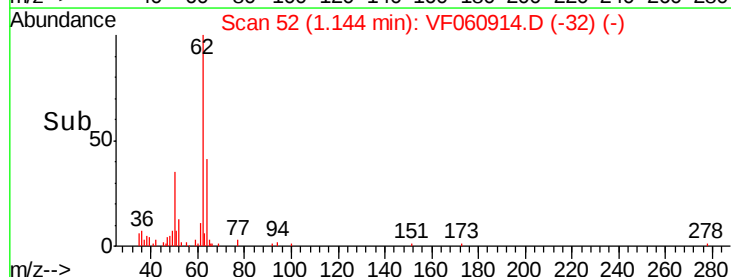
1.00

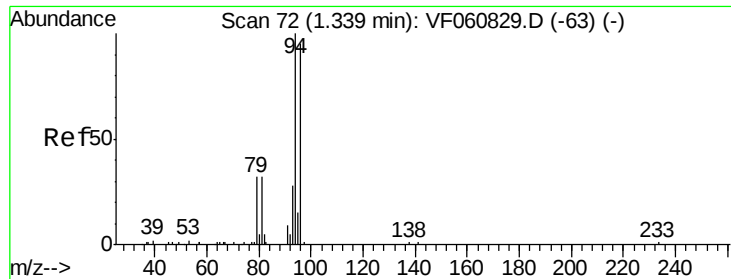
1.10

1.20

1.30

Time-->





#5

Bromomethane

Concen: 21.922 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 94 Resp: 25786

Ion Ratio Lower Upper

94 100

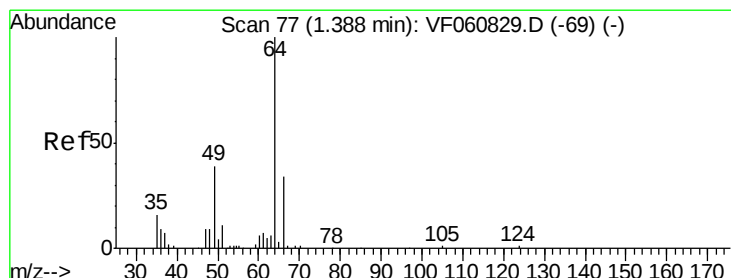
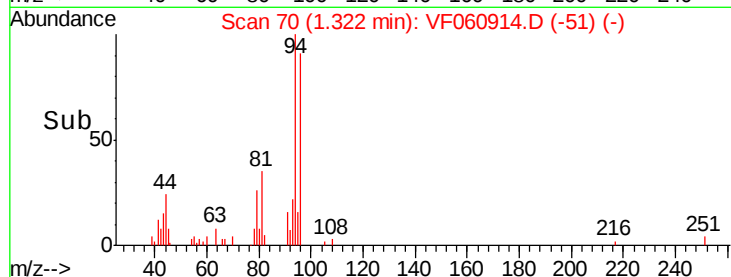
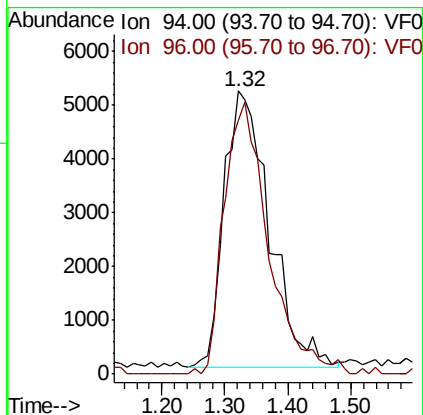
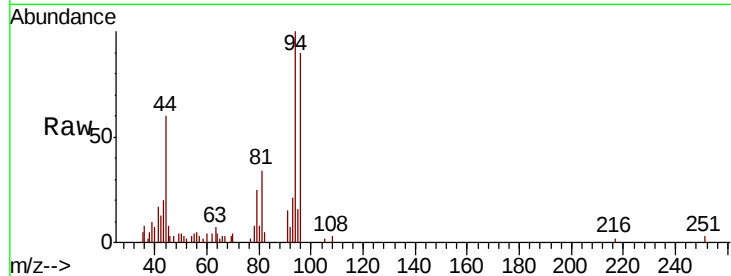
96 89.9 75.9 113.9

Manual Integrations

APPROVED

apatel

12/7/2018 12:07:39 PM



#6

Chloroethane

Concen: 24.306 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060914.D

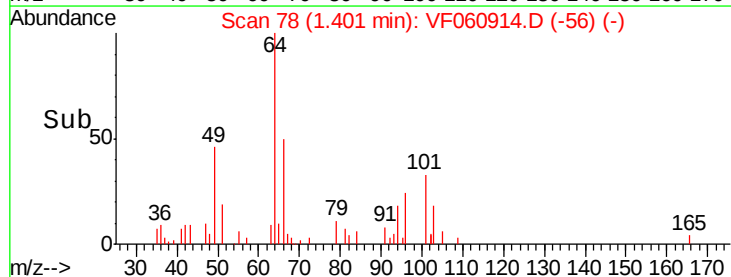
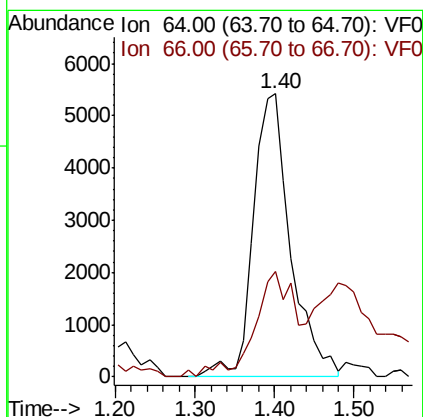
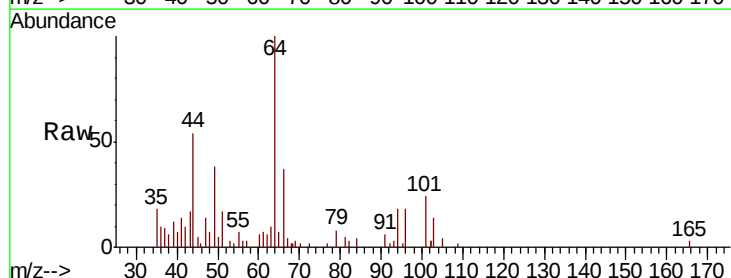
Acq: 6 Dec 2018 13:45

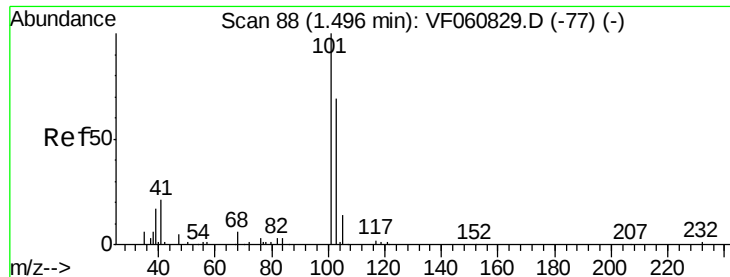
Tgt Ion: 64 Resp: 17527

Ion Ratio Lower Upper

64 100

66 37.1 28.1 42.1





#7

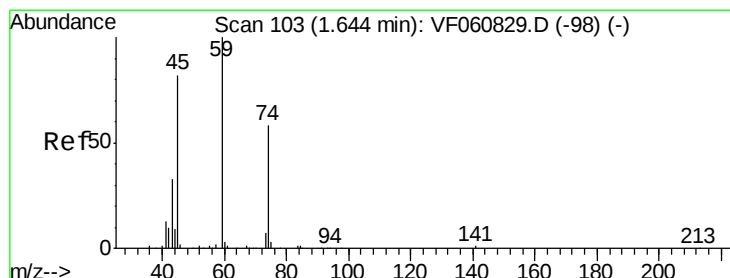
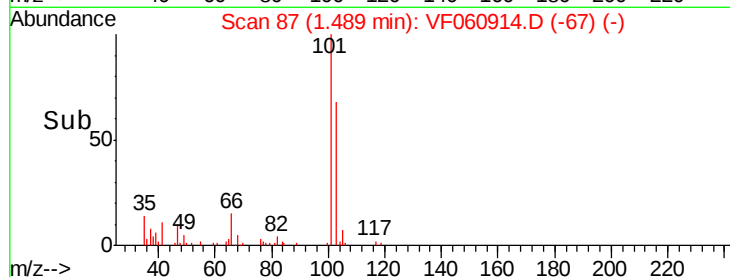
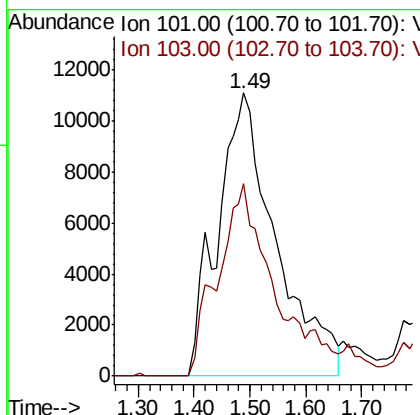
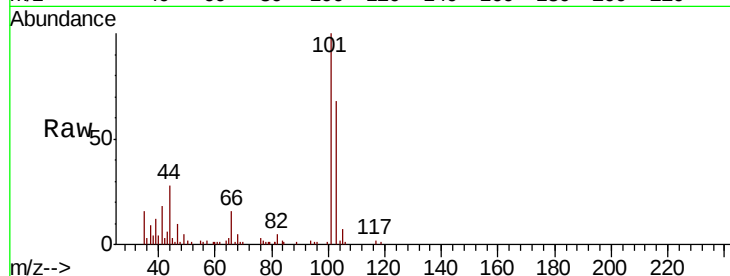
Trichlorofluoromethane
Concen: 22.436 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBSD01

Tot Ion:101 Resp: 80302
Ion Ratio Lower Upper
101 100
103 68.2 55.4 83.0

Manual Integrations
APPROVED

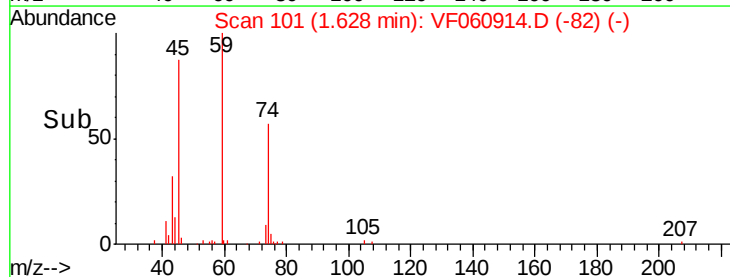
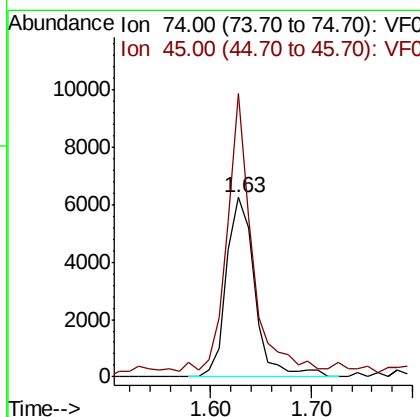
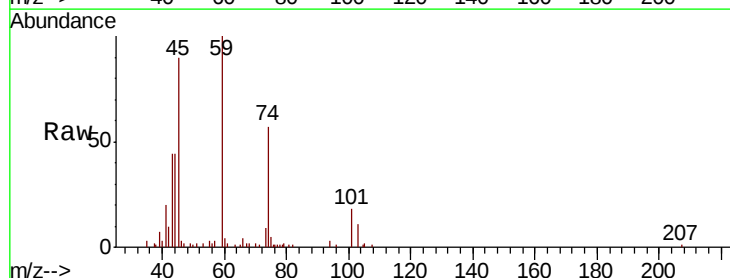
apatel
12/7/2018 12:07:39 PM

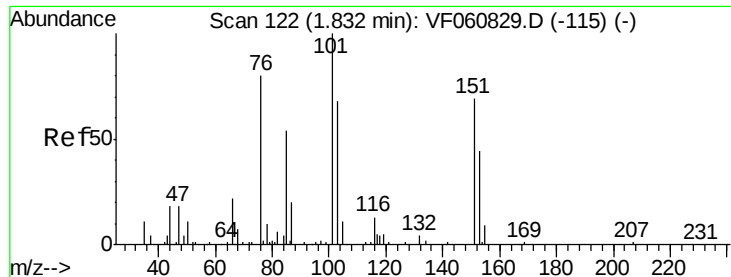


#8

Diethyl Ether
Concen: 23.731 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 74 Resp: 12214
Ion Ratio Lower Upper
74 100
45 157.8 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.304 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

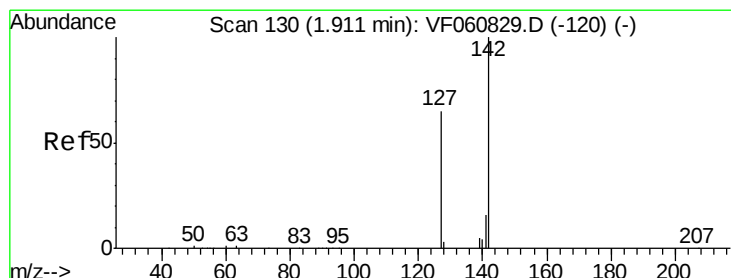
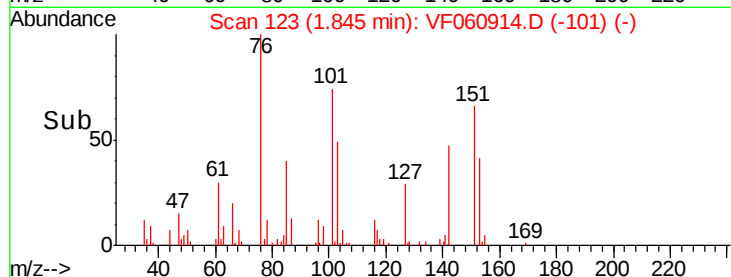
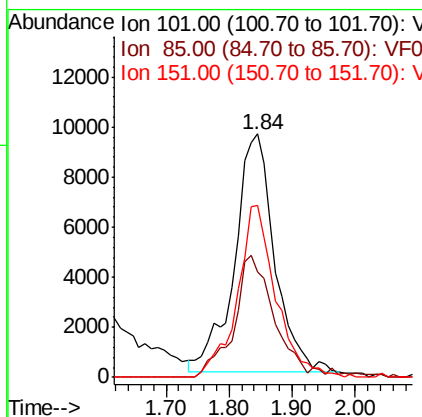
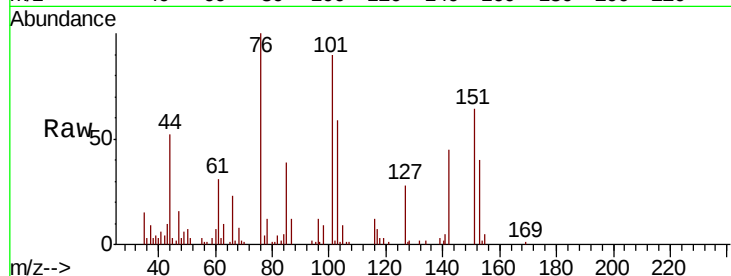
ClientSampleId :

VF1206SBSD01

Tot Ion:	101	Resp:	42167
Ion Ratio	Lower	Upper	
101	100		
85	43.3	42.8	64.2
151	70.8	54.4	81.6

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#10

Methyl Iodide

Concen: 19.422 ug/l

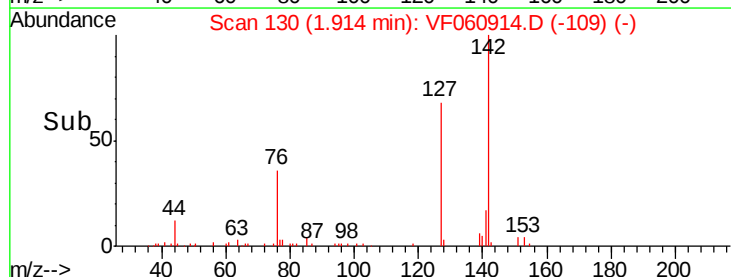
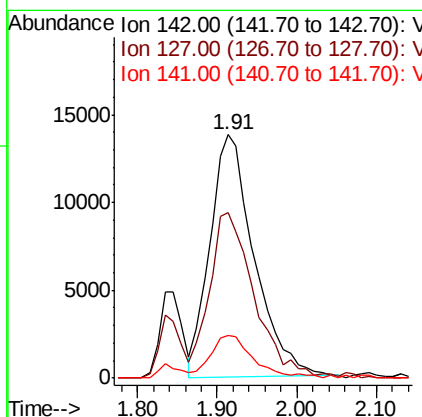
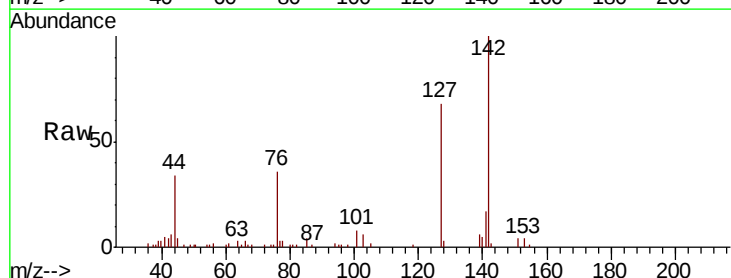
RT: 1.91 min Scan# 130

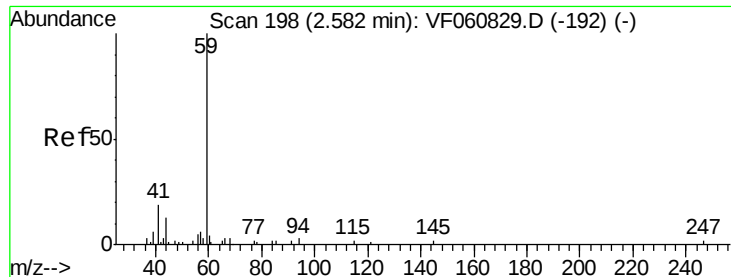
Delta R.T. 0.00 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion:	142	Resp:	53417
Ion Ratio	Lower	Upper	
142	100		
127	67.7	51.9	77.9
141	17.5	12.7	19.1





#11

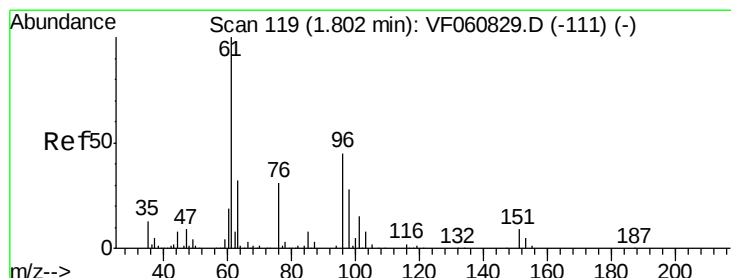
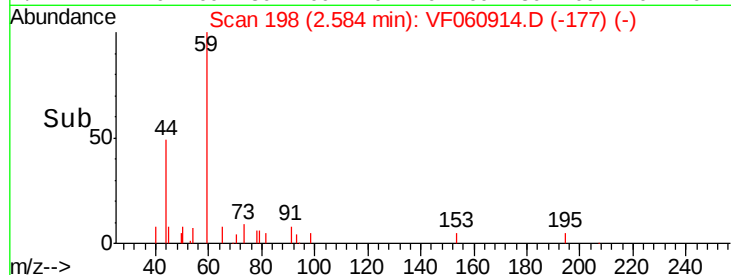
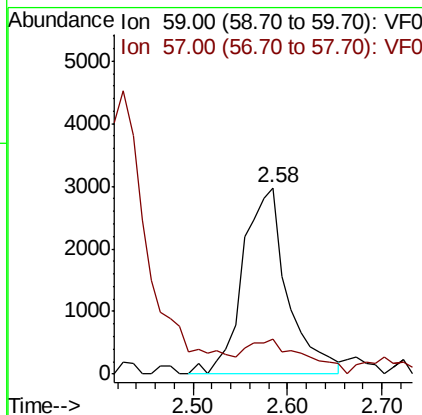
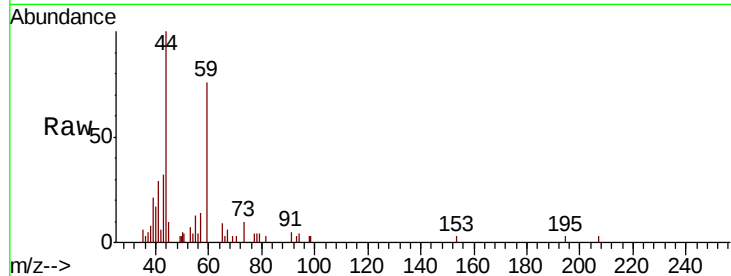
Tert butyl alcohol
 Concen: 110.216 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion: 59 Resp: 9783
 Ion Ratio Lower Upper
 59 100
 57 19.1 12.7 19.1#

Manual Integrations
 APPROVED

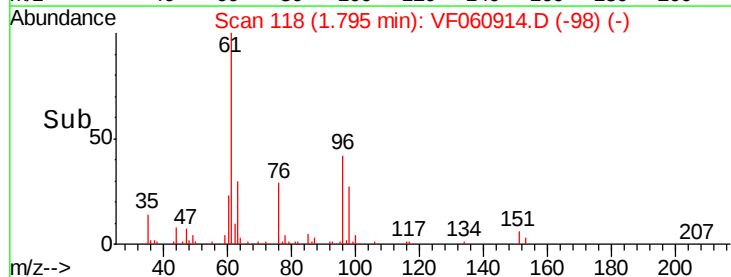
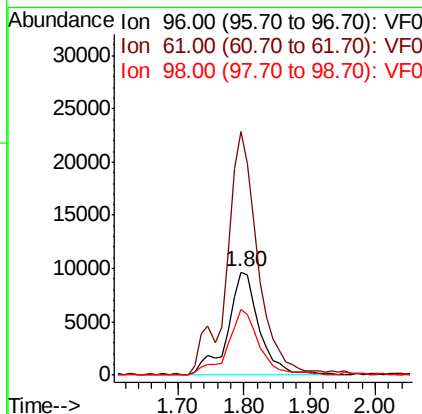
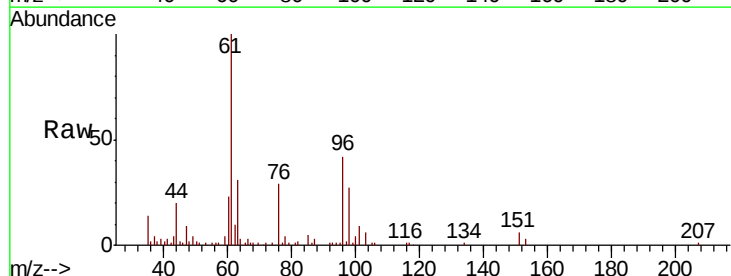
apatel
 12/7/2018 12:07:39 PM

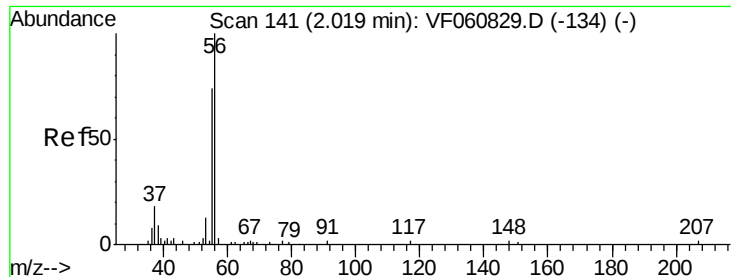


#12

1,1-Dichloroethene
 Concen: 22.389 ug/l
 RT: 1.80 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion: 96 Resp: 32585
 Ion Ratio Lower Upper
 96 100
 61 235.7 177.3 265.9
 98 63.1 49.6 74.4





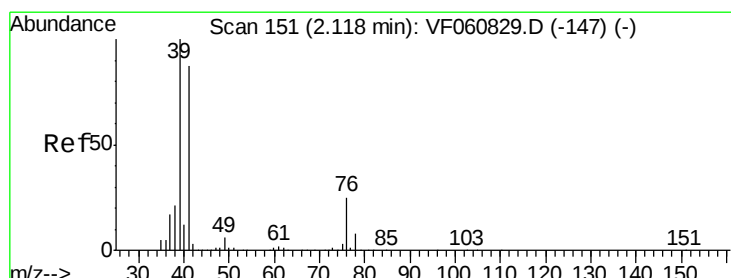
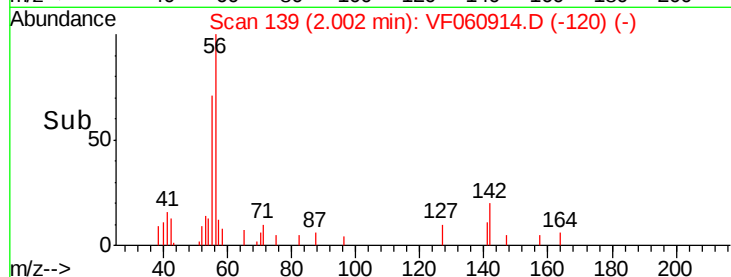
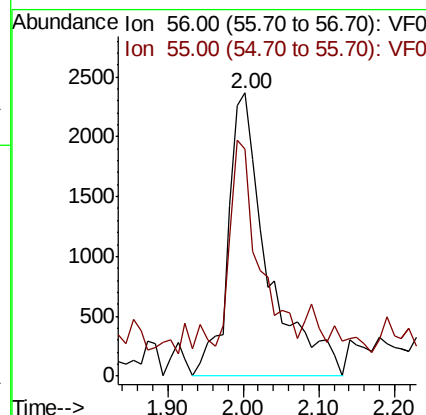
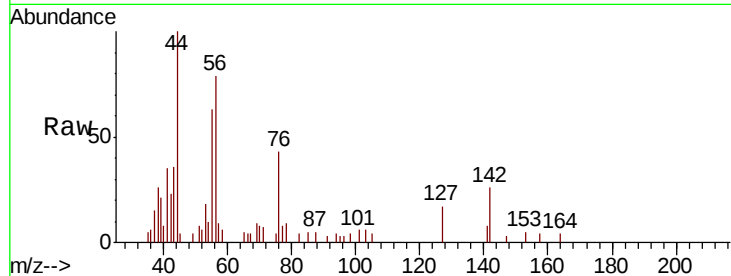
#13
Acrolein
Concen: 101.345 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion: 56 Resp: 8523
Ion Ratio Lower Upper
56 100
55 80.3 61.2 91.8

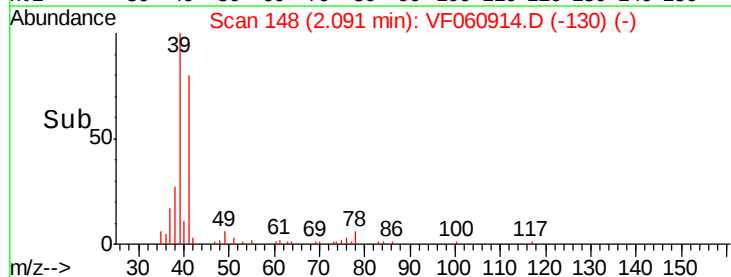
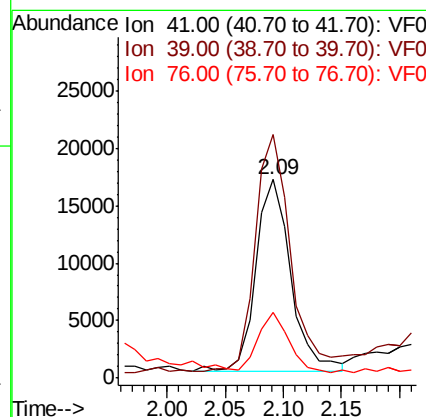
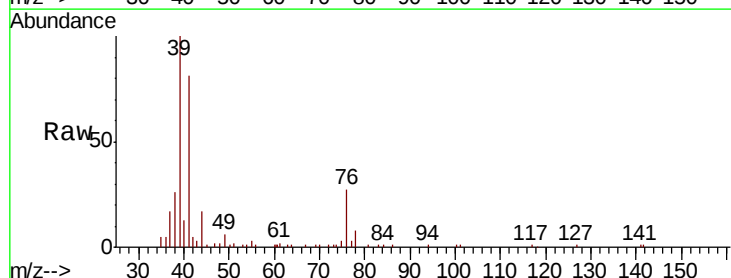
Manual Integrations
APPROVED

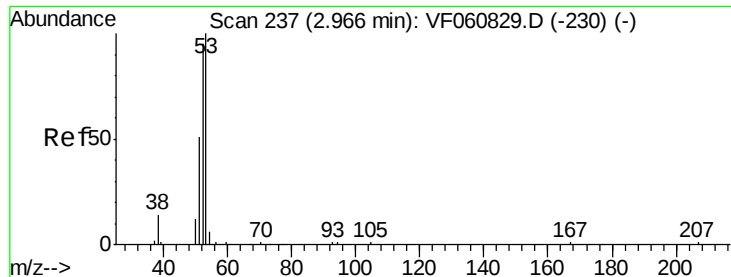
apatel
12/7/2018 12:07:39 PM



#14
Allyl chloride
Concen: 19.143 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 41 Resp: 34726
Ion Ratio Lower Upper
41 100
39 122.8 91.7 137.5
76 33.0 23.5 35.3





#15

Acrylonitrile

Concen: 114.328 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

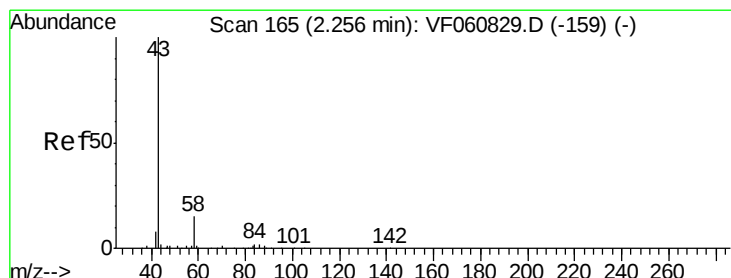
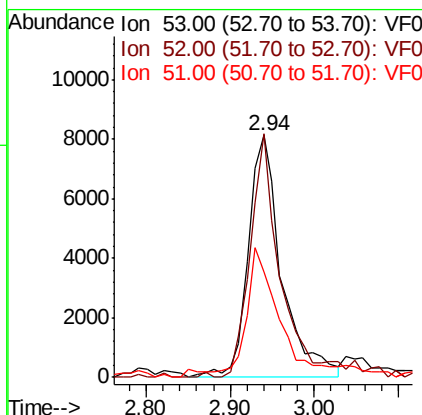
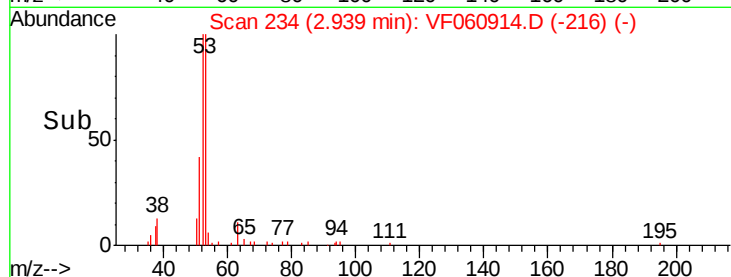
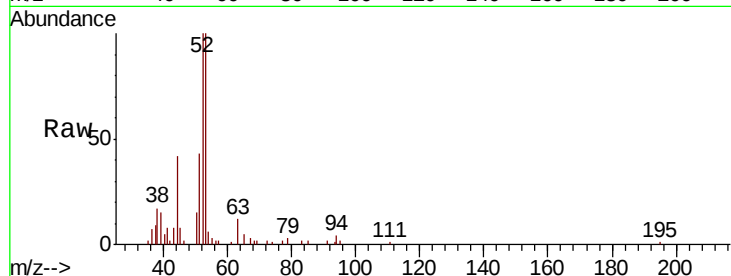
ClientSampleId :

VF1206SBS01

Tot Ion:	53	Resp:	22751
Ion	Ratio	Lower	Upper
53	100		
52	100.5	76.5	114.7
51	43.3	40.7	61.1

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#16

Acetone

Concen: 118.573 ug/l

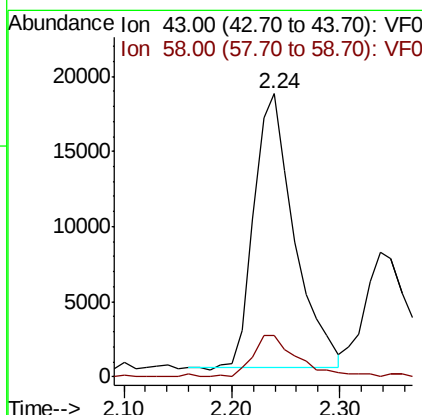
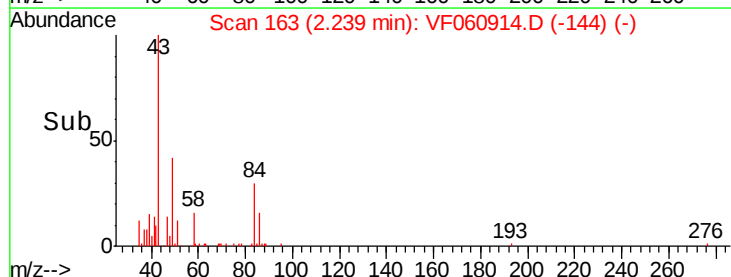
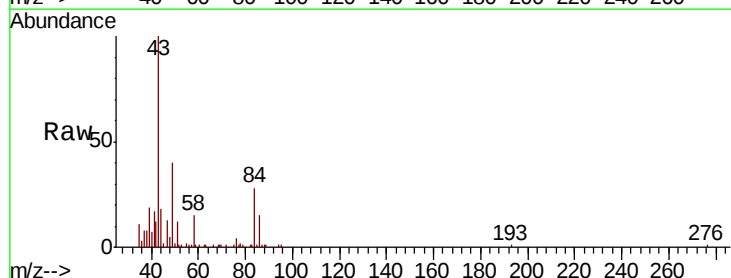
RT: 2.24 min Scan# 163

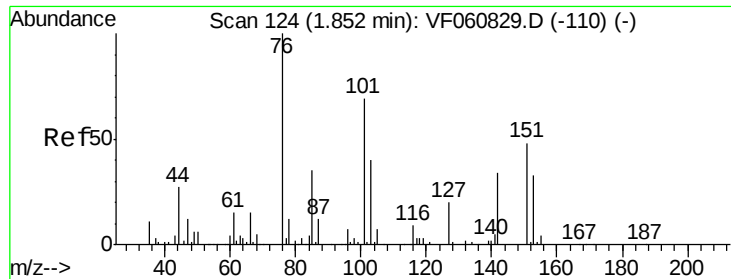
Delta R.T. -0.02 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion:	43	Resp:	47346
Ion	Ratio	Lower	Upper
43	100		
58	14.8	11.4	17.2





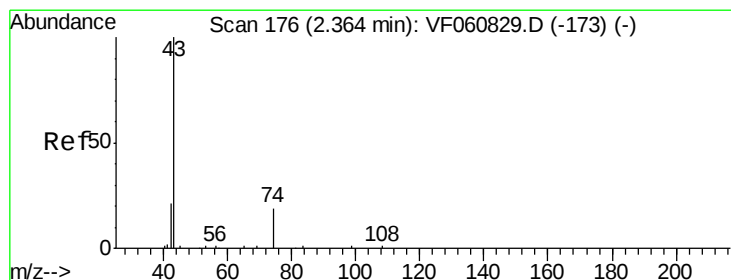
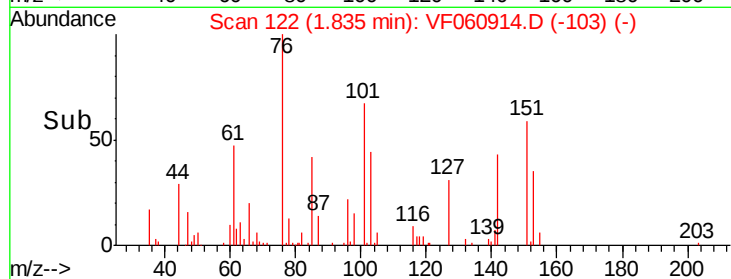
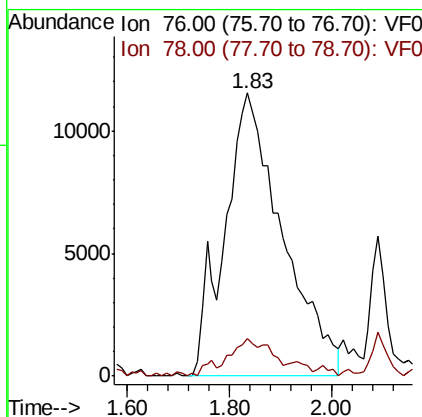
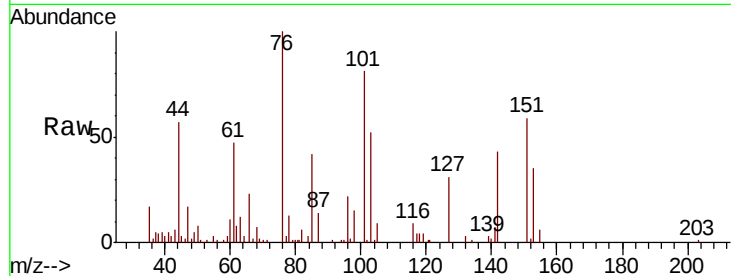
#17
Carbon Disulfide
Concen: 23.302 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion: 76 Resp: 90933
Ion Ratio Lower Upper
76 100
78 13.2 10.2 15.2

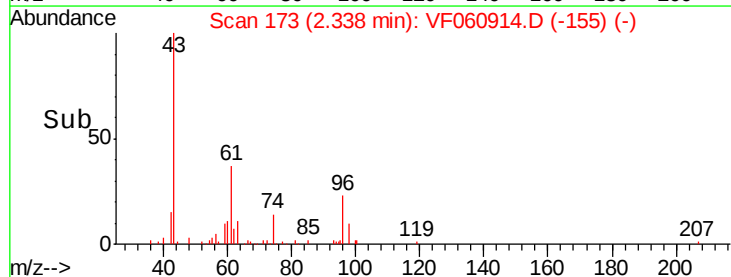
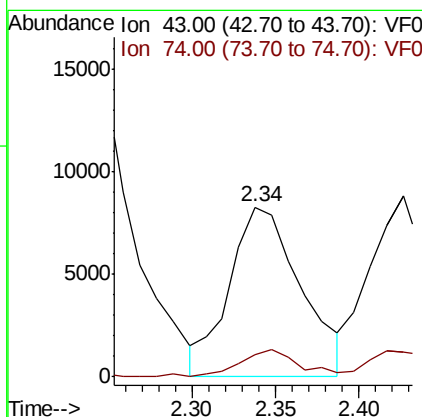
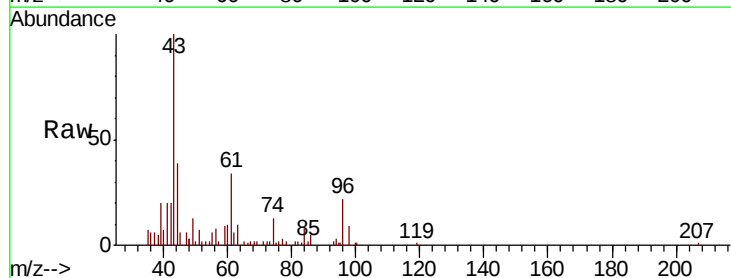
Manual Integrations
APPROVED

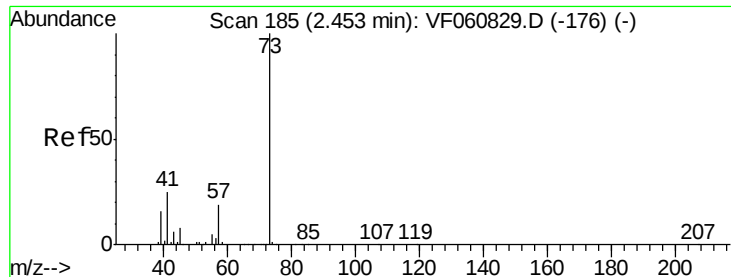
apatel
12/7/2018 12:07:39 PM



#18
Methyl Acetate
Concen: 36.315 ug/l m
RT: 2.34 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 43 Resp: 24630
Ion Ratio Lower Upper
43 100
74 13.2 13.3 19.9#





#19

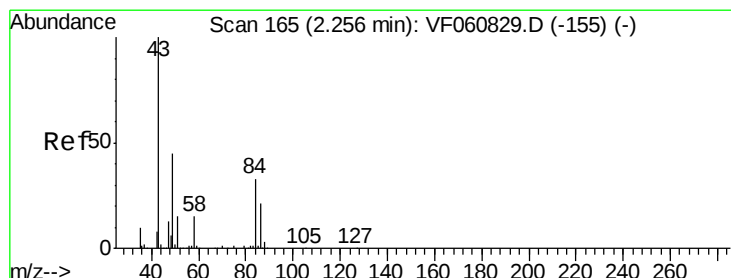
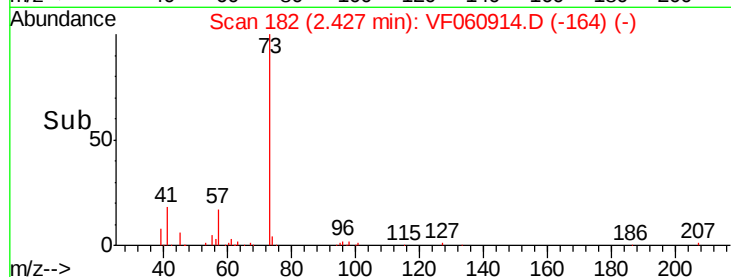
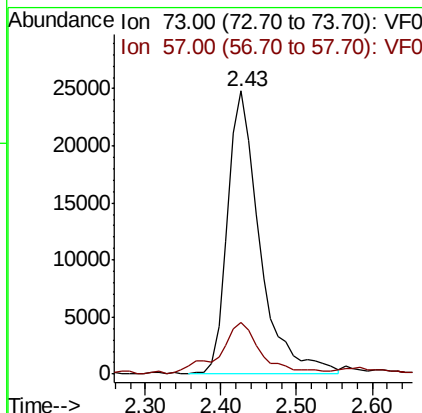
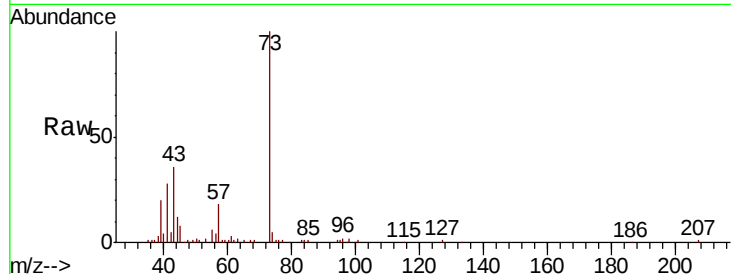
Methyl tert-butyl Ether
Concen: 22.340 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	15.3	22.9

Manual Integrations
APPROVED

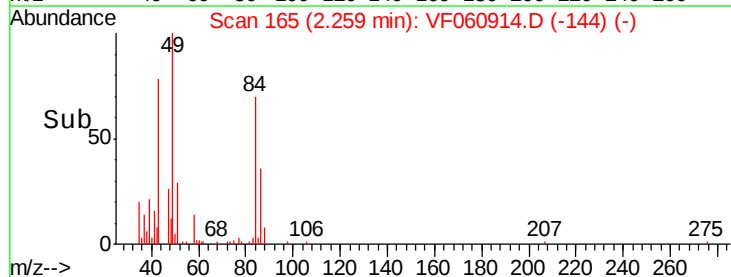
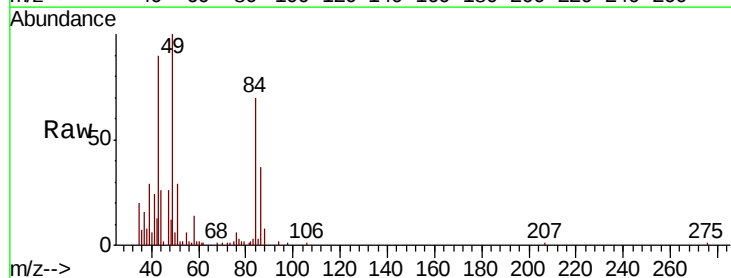
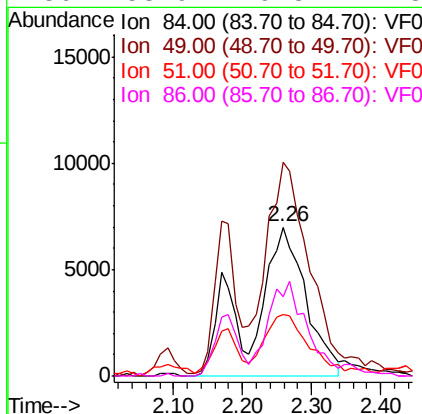
apatel
12/7/2018 12:07:39 PM

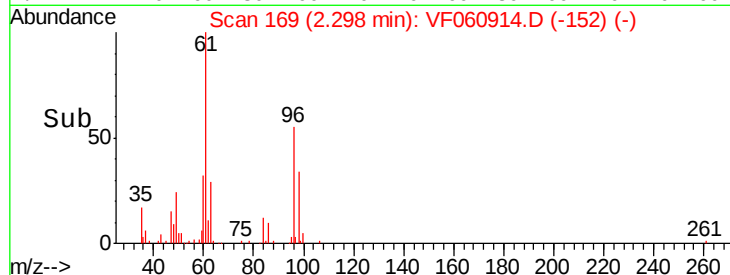
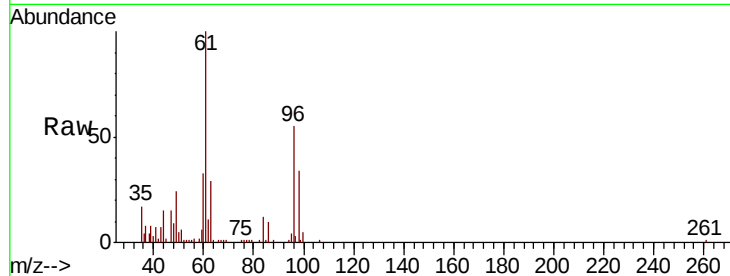
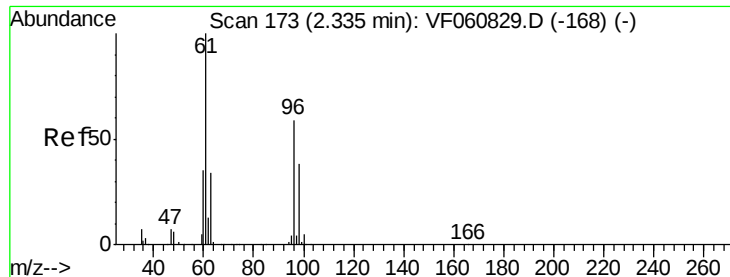


#20

Methylene Chloride
Concen: 26.048 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.8	111.3	166.9
51	41.6	38.0	57.0
86	53.9	49.8	74.8





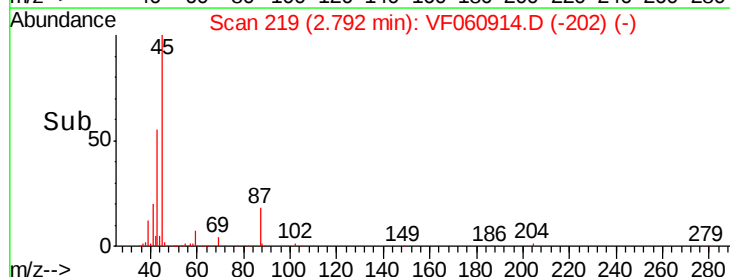
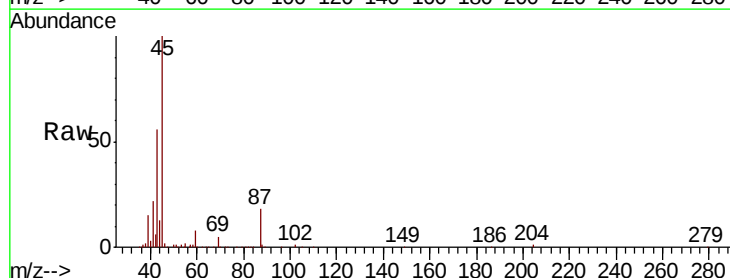
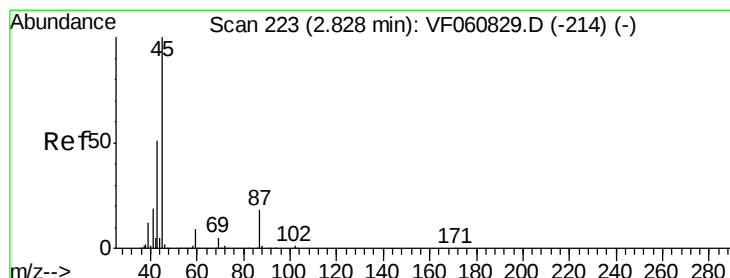
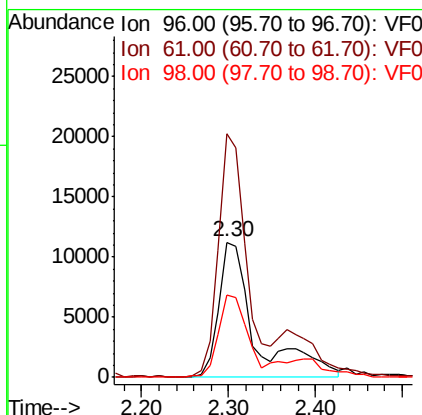
#21
trans-1,2-Dichloroethene
Concen: 23.406 ug/l m
RT: 2.30 min Scan# 169
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tot Ion: 96 Resp: 32841
Ion Ratio Lower Upper
96 100
61 180.3 134.5 201.7
98 61.0 51.6 77.4

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

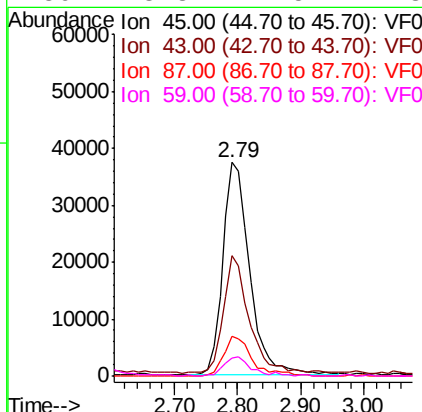
Manual Integrations
APPROVED

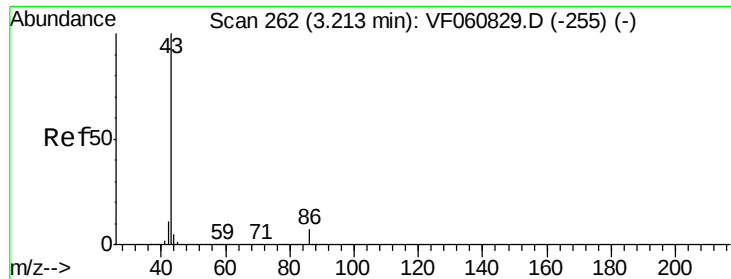
apatel
12/7/2018 12:07:39 PM



#22
Diisopropyl ether
Concen: 22.358 ug/l
RT: 2.79 min Scan# 219
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion: 45 Resp: 110399
Ion Ratio Lower Upper
45 100
43 56.4 41.0 61.6
87 18.3 14.6 22.0
59 8.3 7.5 11.3





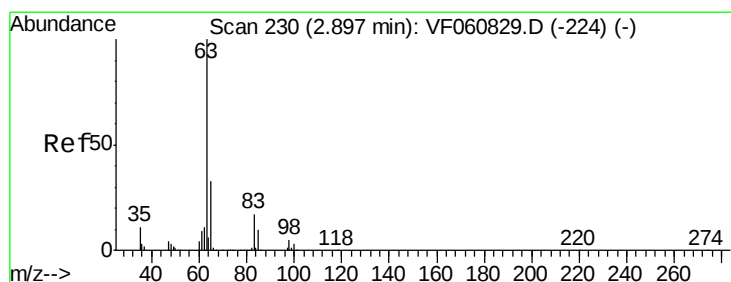
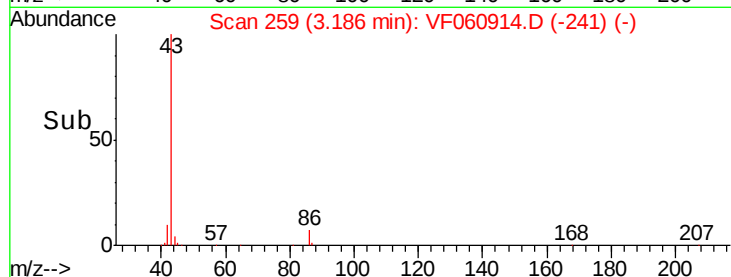
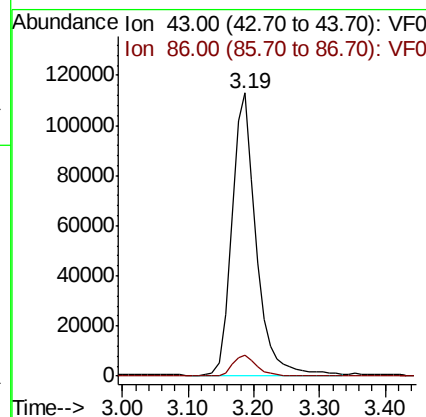
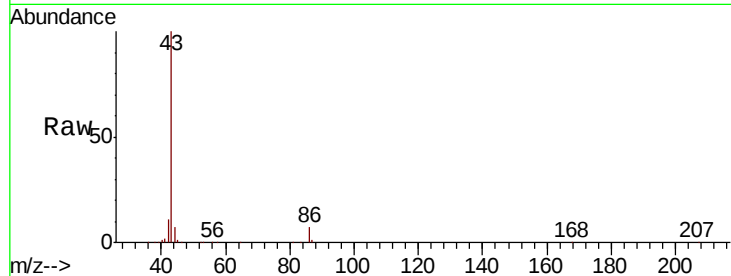
#23
 Vinyl Acetate
 Concen: 128.243 ug/l
 RT: 3.19 min Scan# 259
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBSD01

Tot Ion	43	Resp	289459
Ion Ratio	Lower	Upper	
43	100		
86	7.2	5.4	8.0

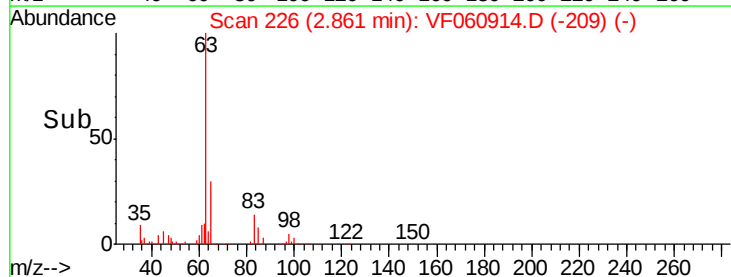
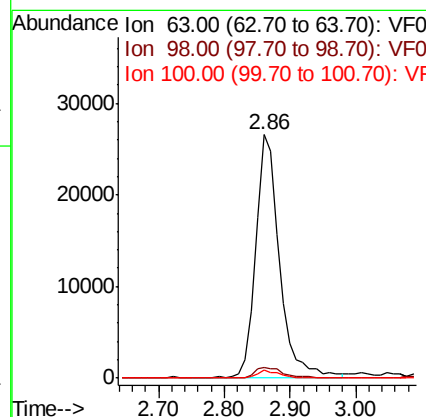
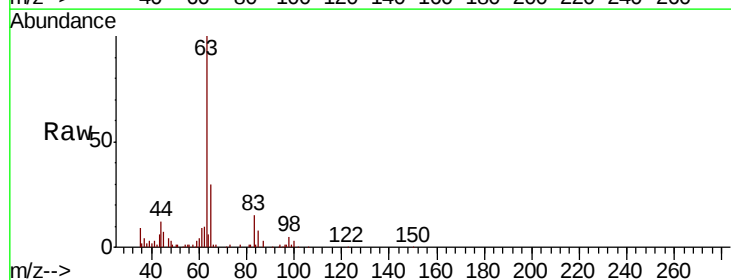
Manual Integrations
 APPROVED

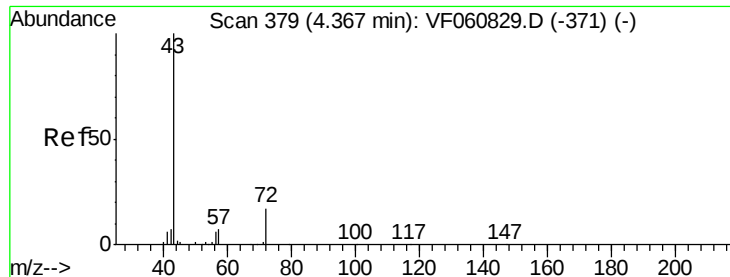
apatel
 12/7/2018 12:07:39 PM



#24
 1,1-Dichloroethane
 Concen: 23.097 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	63	Resp	67854
Ion Ratio	Lower	Upper	
63	100		
98	4.6	2.7	8.1
100	3.2	1.5	4.5





#25

2-Butanone

Concen: 121.034 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 43 Resp: 83592

Ion Ratio Lower Upper

43 100

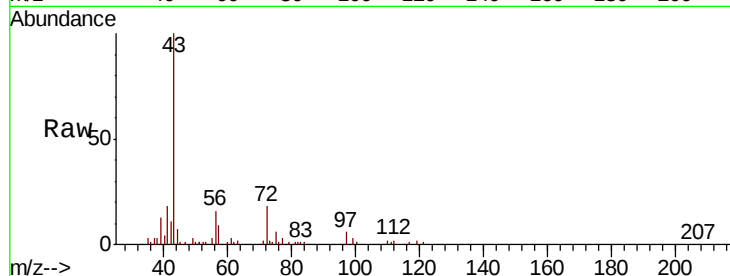
72 17.8 15.4 23.2

Manual Integrations

APPROVED

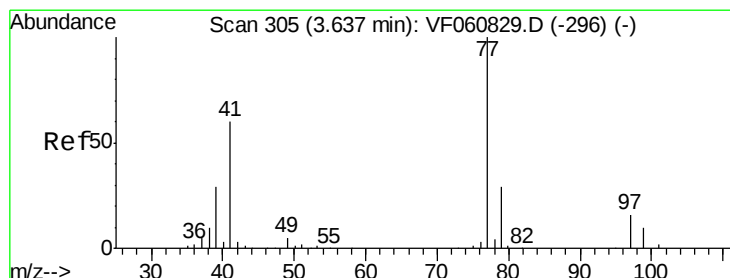
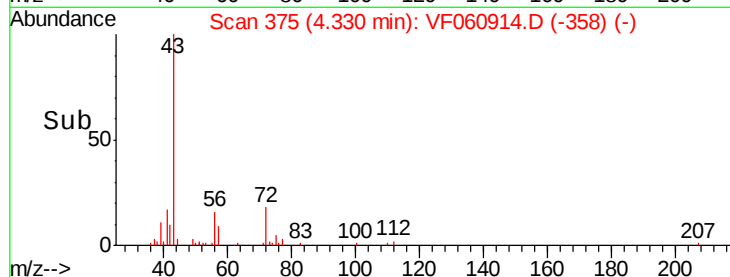
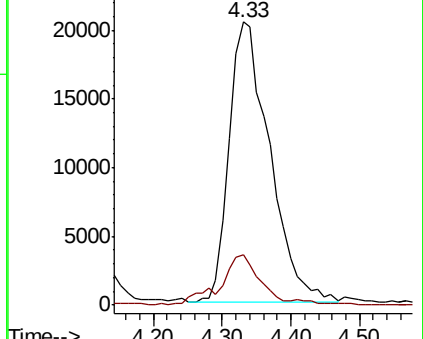
apatel

12/7/2018 12:07:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.560 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF060914.D

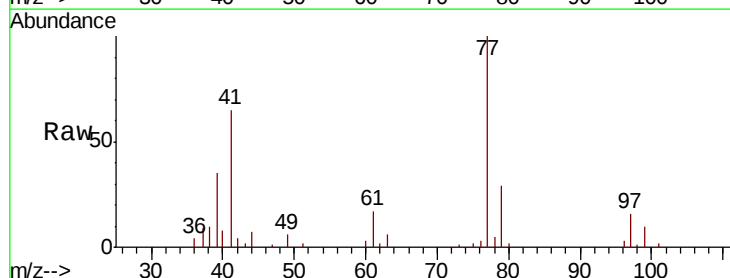
Acq: 6 Dec 2018 13:45

Tgt Ion: 77 Resp: 41063

Ion Ratio Lower Upper

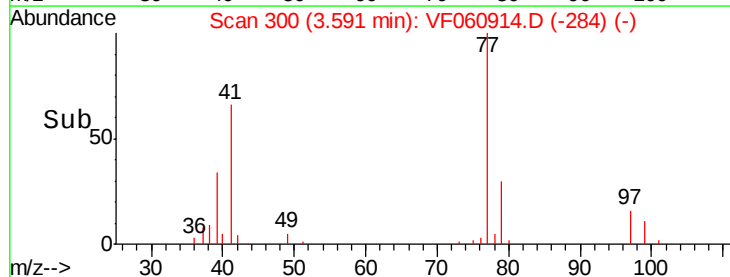
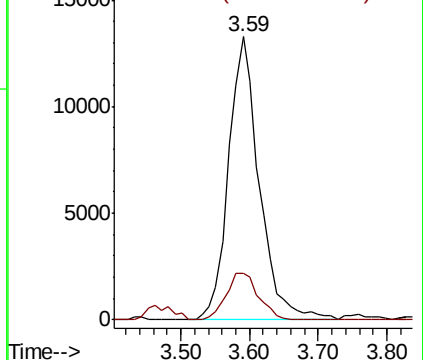
77 100

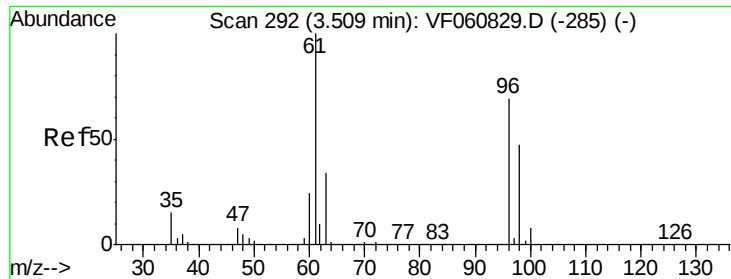
97 16.3 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

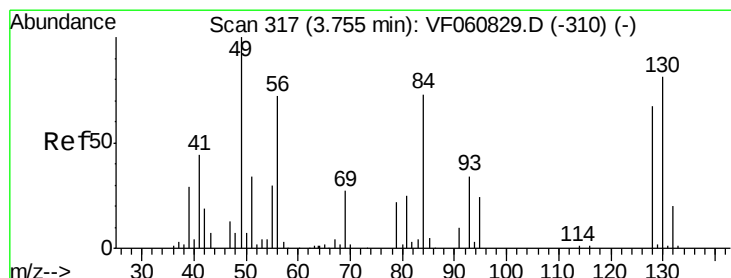
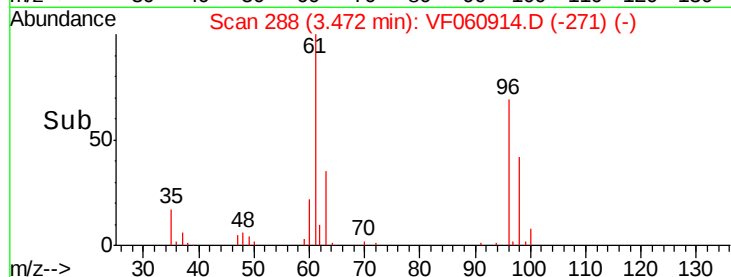
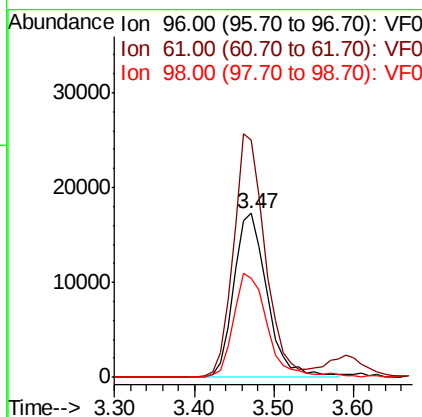
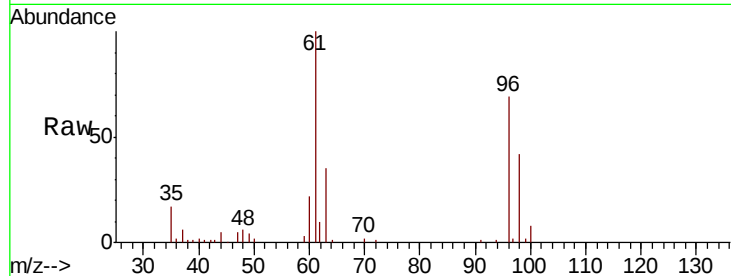
cis-1,2-Dichloroethene
 Concen: 22.067 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	290.6
98	60.5	0.0	137.8

Manual Integrations
 APPROVED

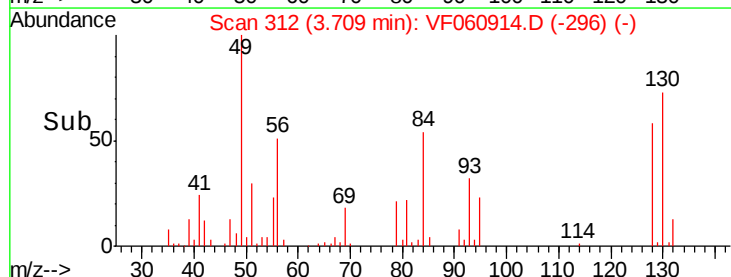
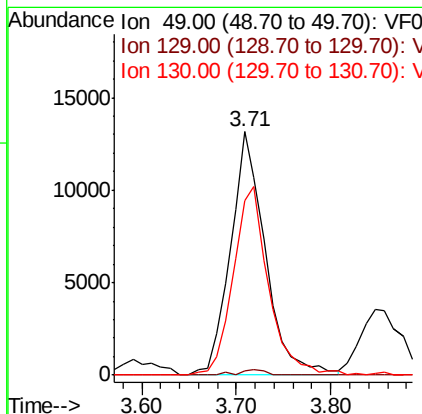
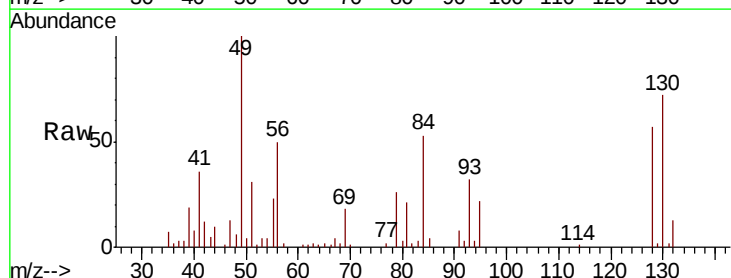
apatel
 12/7/2018 12:07:39 PM

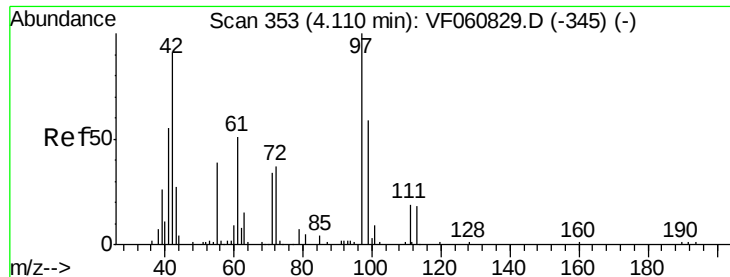


#28

Bromochloromethane
 Concen: 23.864 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	71.9	64.2	96.4





#29

Tetrahydrofuran

Concen: 112.005 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

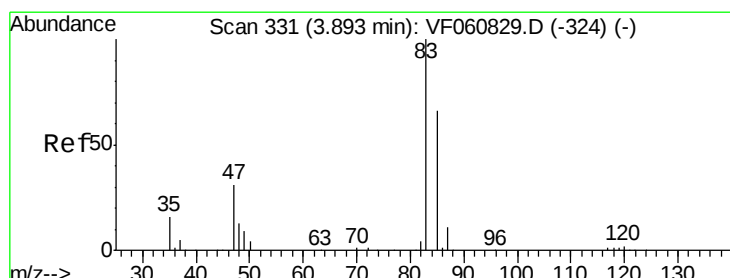
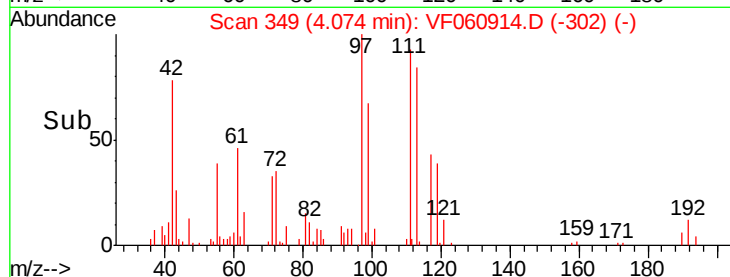
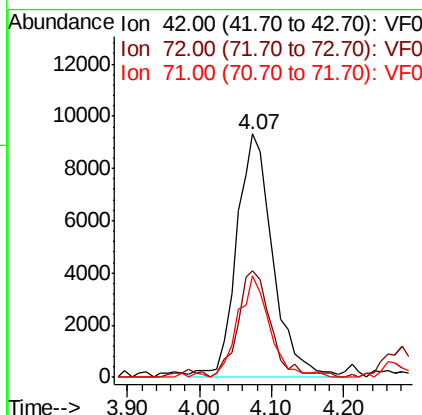
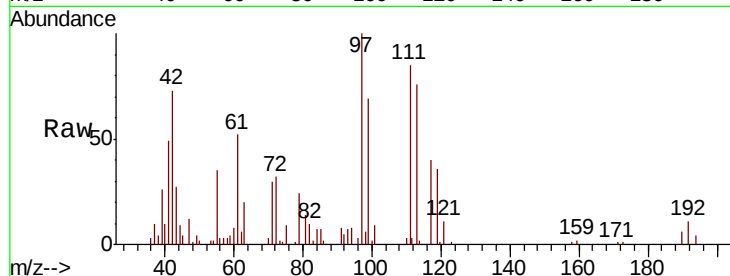
ClientSampleId :

VF1206SBS01

Tot Ion:	42	Resp:	32790
Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.9	47.9
71	36.5	28.7	43.1

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#30

Chloroform

Concen: 22.730 ug/l

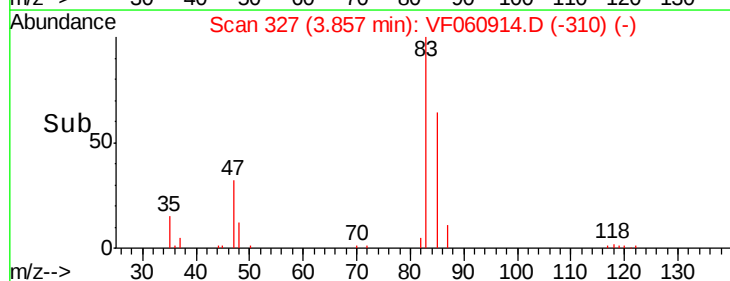
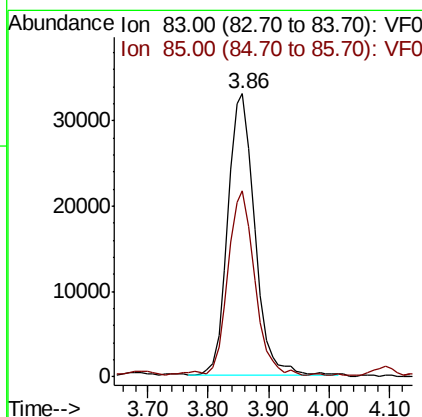
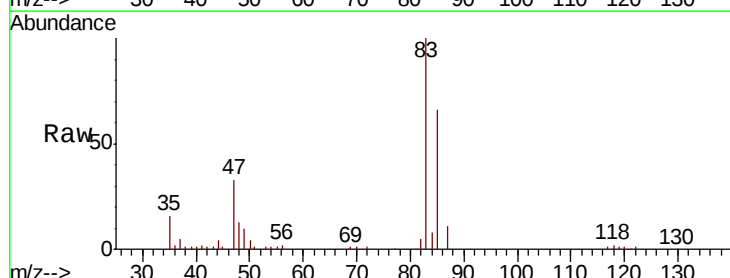
RT: 3.86 min Scan# 327

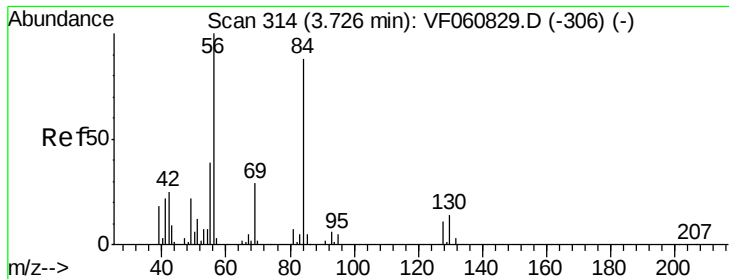
Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion:	83	Resp:	102774
Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.4	80.2





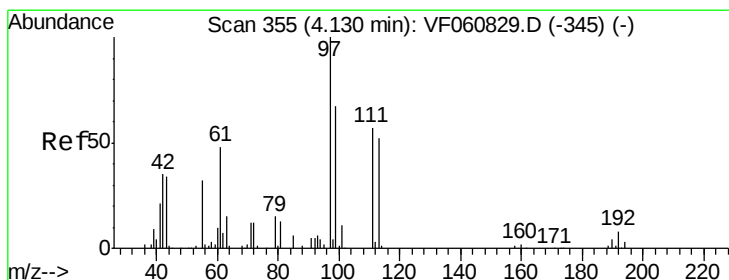
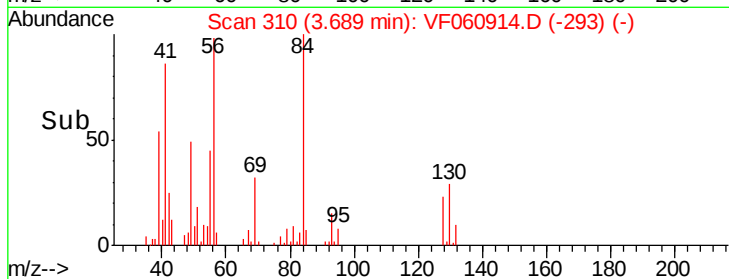
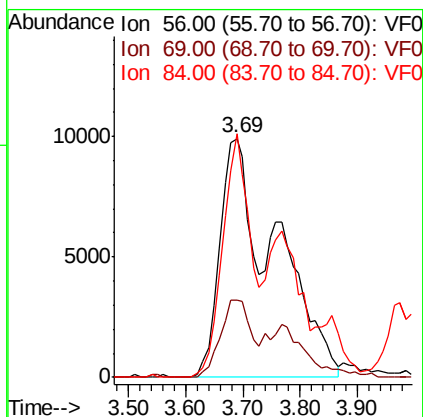
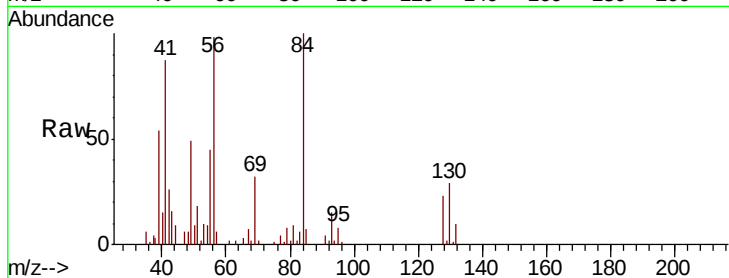
#31
Cyclohexane
Concen: 21.961 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.0	34.4
84	102.0	70.4	105.6

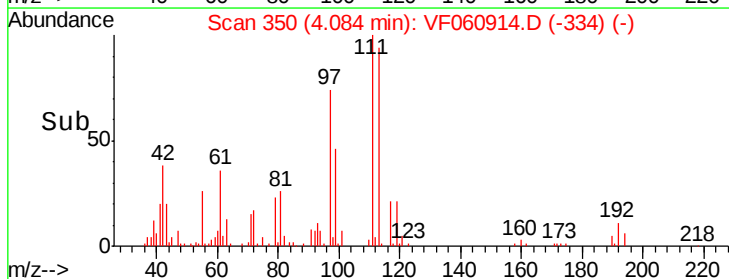
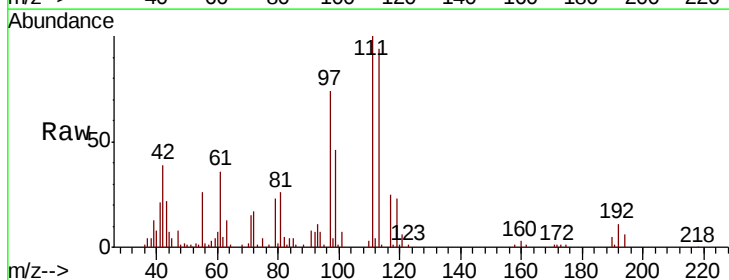
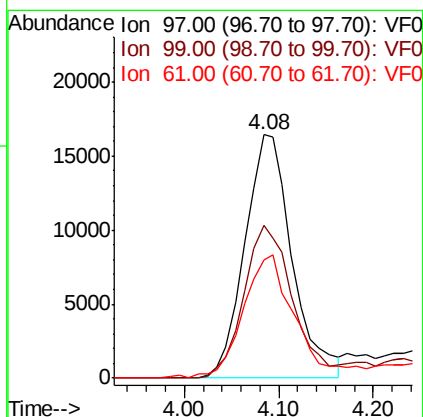
Manual Integrations
APPROVED

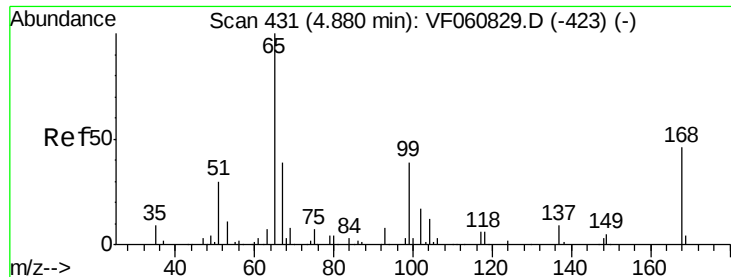
apatel
12/7/2018 12:07:39 PM



#32
1,1,1-Trichloroethane
Concen: 18.295 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	53.5	80.3
61	48.7	38.6	58.0





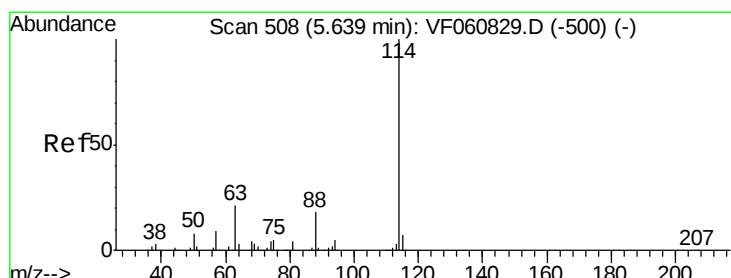
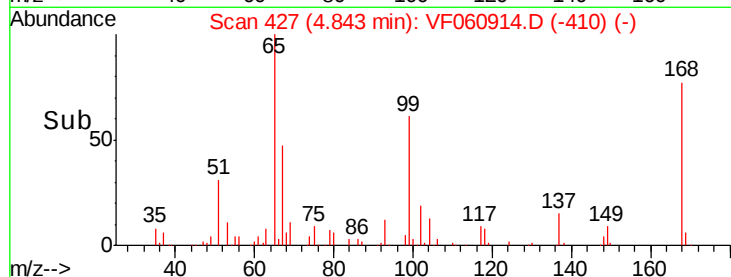
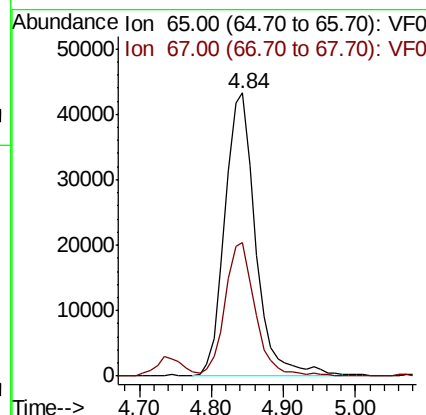
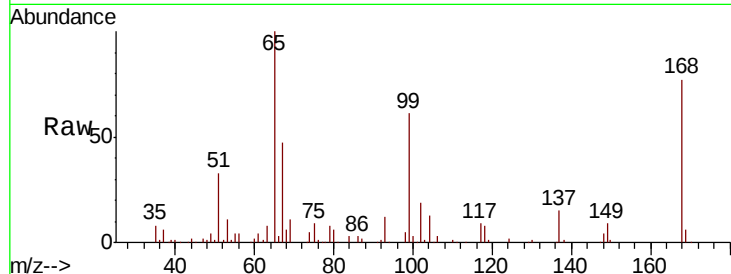
#33
 1,2-Dichloroethane-d4
 Concen: 59.406 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128634		
67	47.3	0.0	96.4	

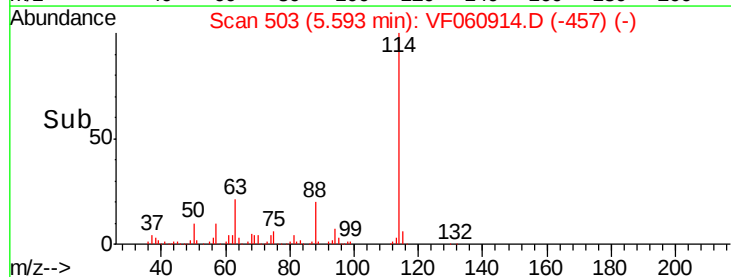
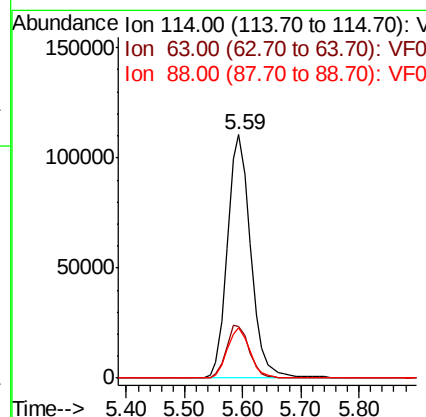
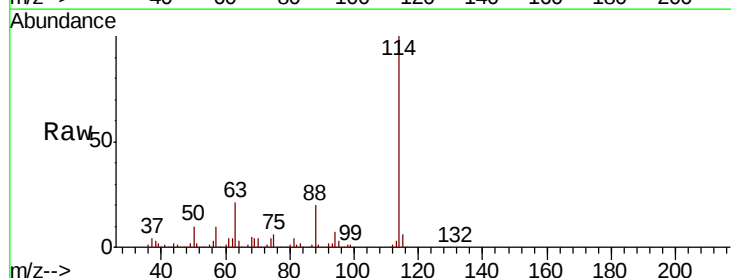
Manual Integrations
 APPROVED

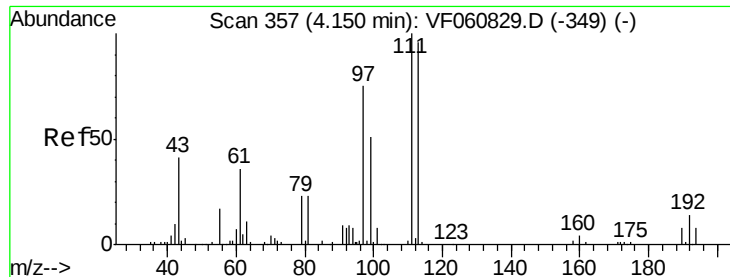
apatel
 12/7/2018 12:07:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	308192		
63	21.4	0.0	41.6	
88	20.5	0.0	36.6	





#35

Dibromofluoromethane

Concen: 54.399 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

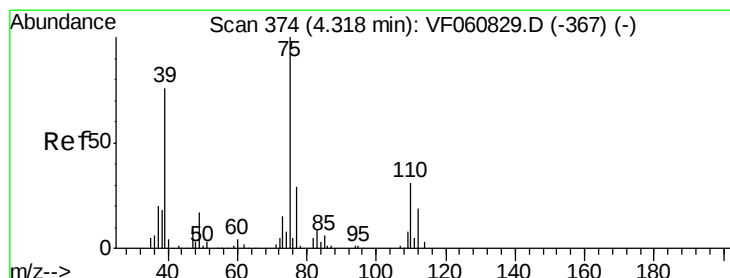
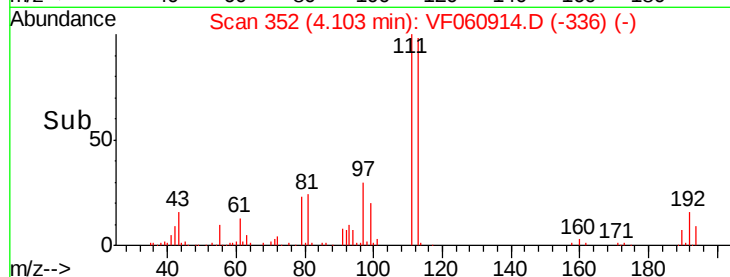
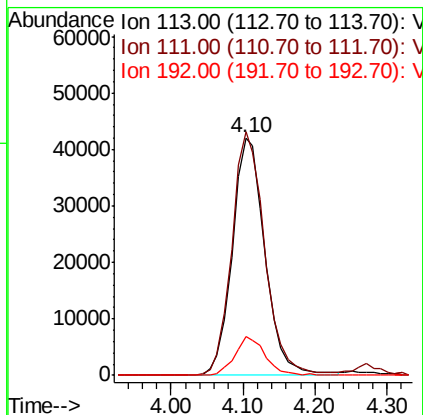
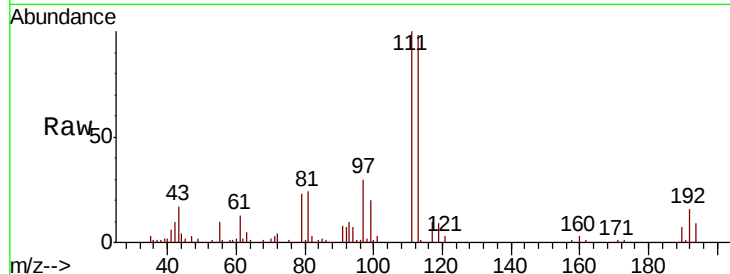
ClientSampleId :

VF1206SBS01

Tot Ion:	113	Resp:	133003
Ion Ratio	Lower	Upper	
113	100		
111	102.5	83.0	124.6
192	16.1	12.3	18.5

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#36

1,1-Dichloropropene

Concen: 22.614 ug/l

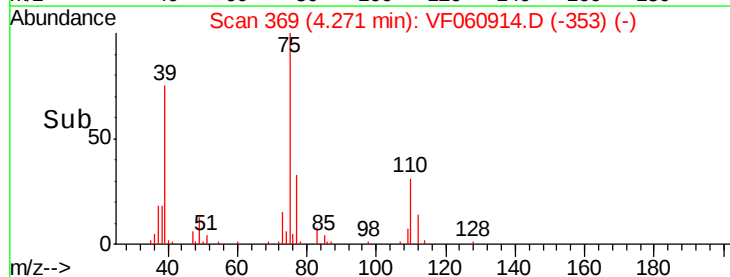
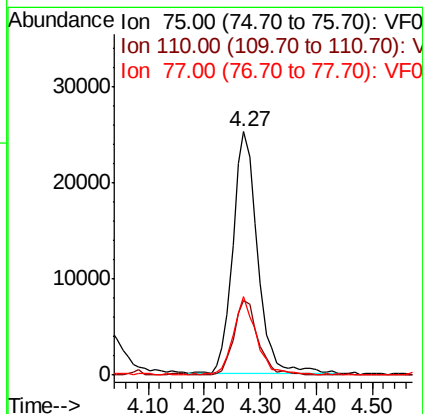
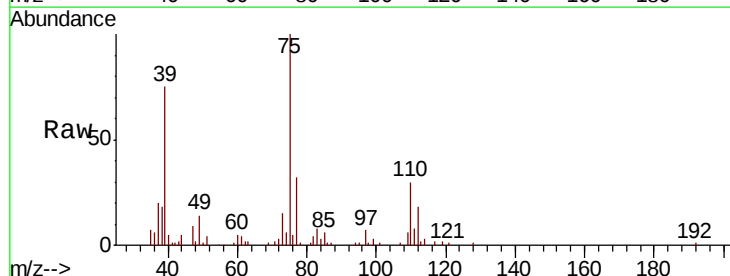
RT: 4.27 min Scan# 369

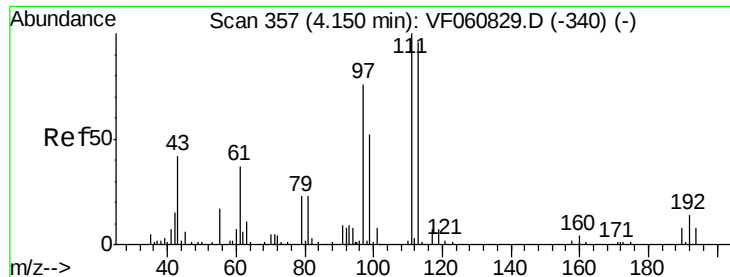
Delta R.T. -0.05 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion:	75	Resp:	77302
Ion Ratio	Lower	Upper	
75	100		
110	30.4	15.6	46.8
77	32.2	23.4	35.0





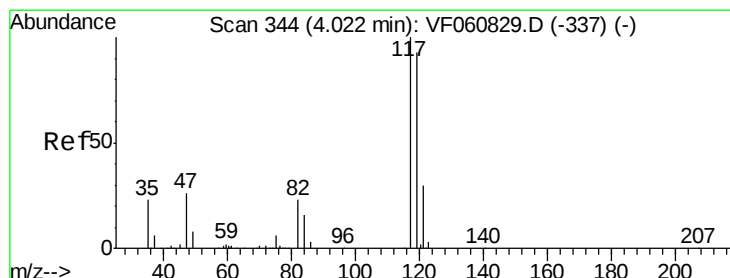
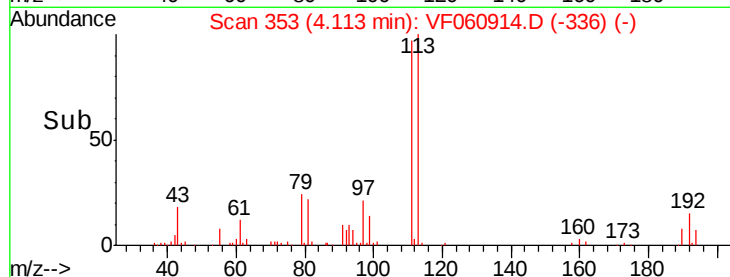
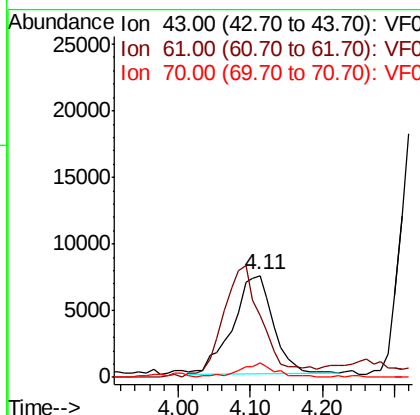
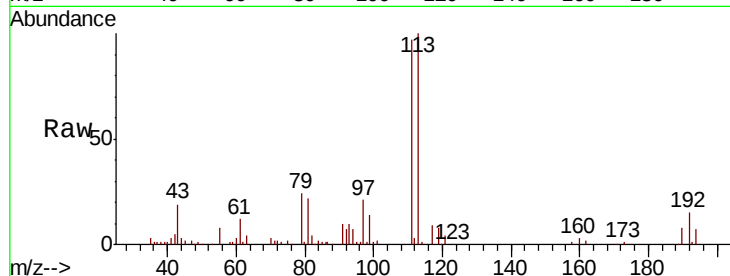
#37
Ethyl Acetate
Concen: 20.686 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	61.2	68.6	103.0#
70	14.4	9.0	13.4#

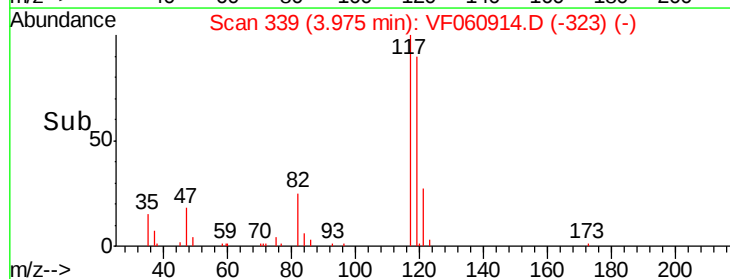
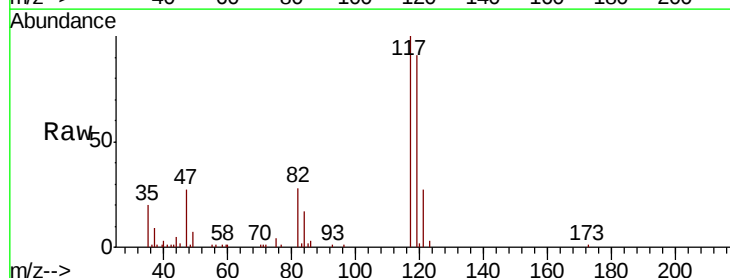
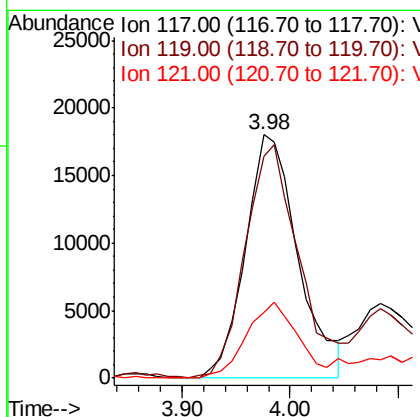
Manual Integrations
APPROVED

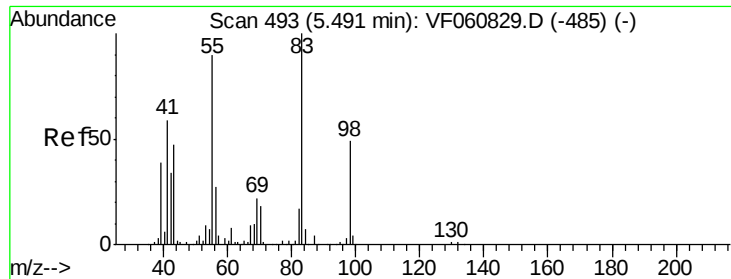
apatel
12/7/2018 12:07:39 PM



#38
Carbon Tetrachloride
Concen: 20.278 ug/l
RT: 3.98 min Scan# 339
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	74.4	111.6
121	27.2	23.5	35.3





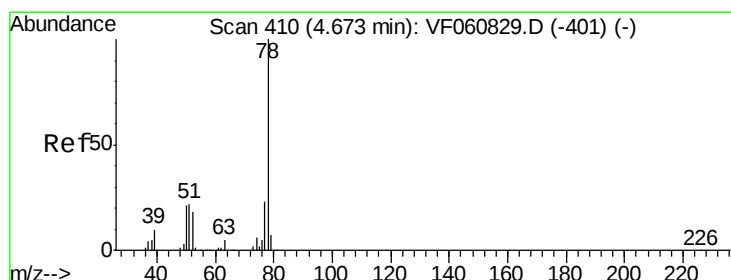
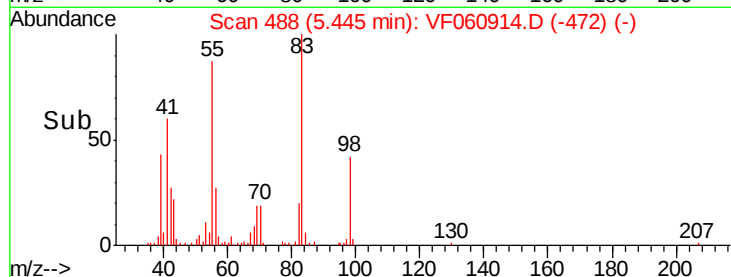
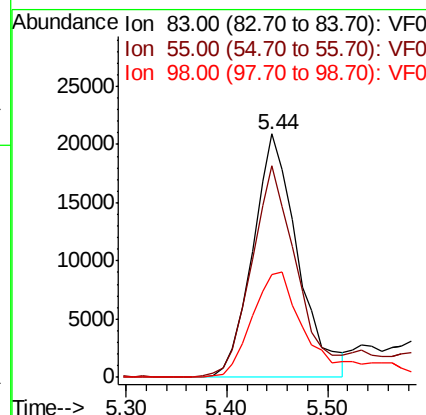
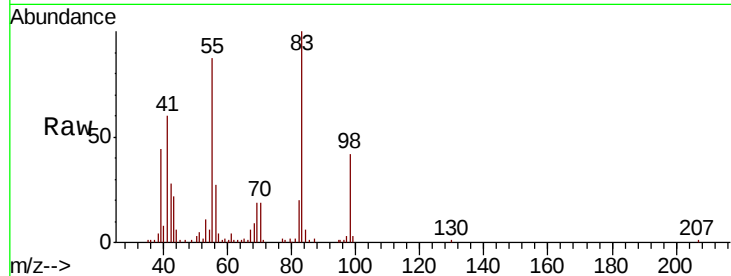
#39
Methvlcvclohexane
Concen: 18.110 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	72.1	108.1
98	42.5	39.1	58.7

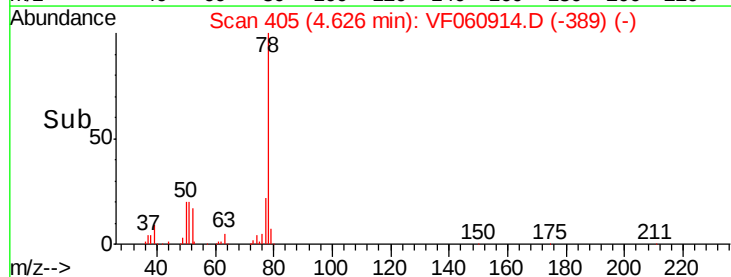
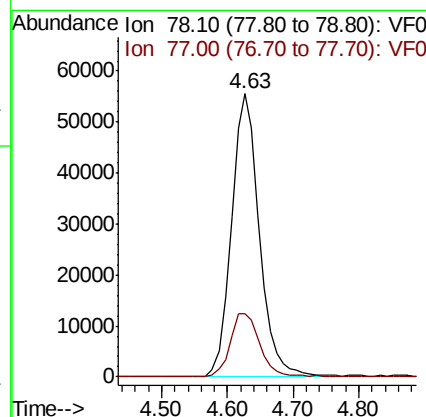
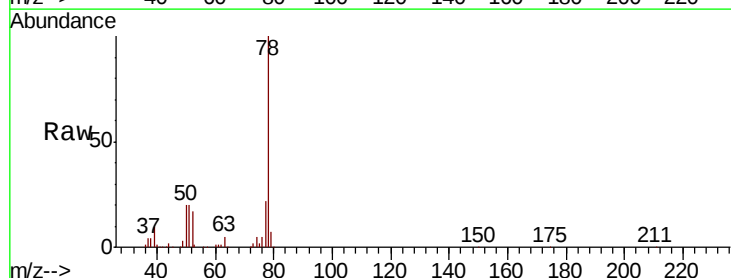
Manual Integrations
APPROVED

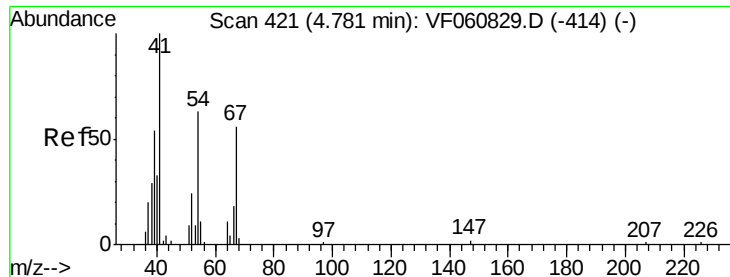
apatel
12/7/2018 12:07:39 PM



#40
Benzene
Concen: 21.800 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.7	28.1





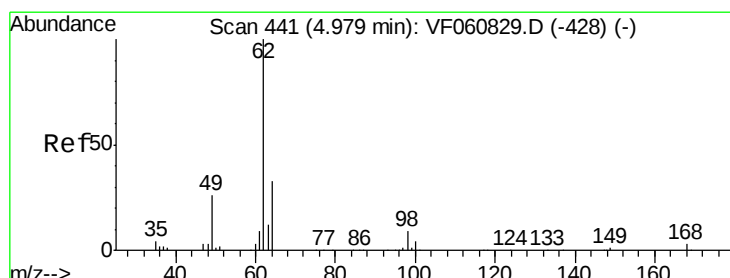
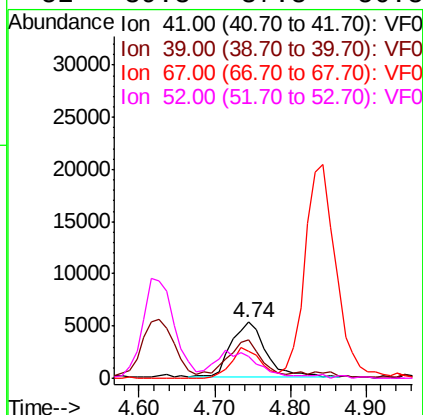
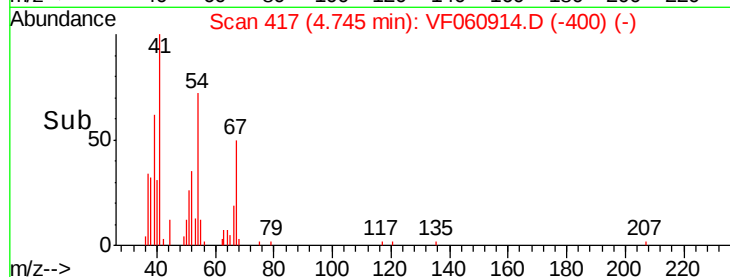
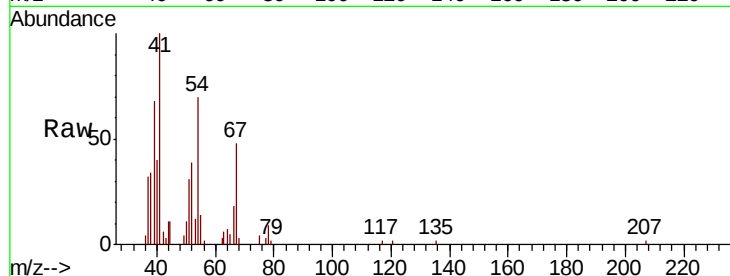
#41
Methacrylonitrile
Concen: 20.923 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.2	53.0	79.6
67	47.9	43.8	65.6
52	39.3	37.8	56.8

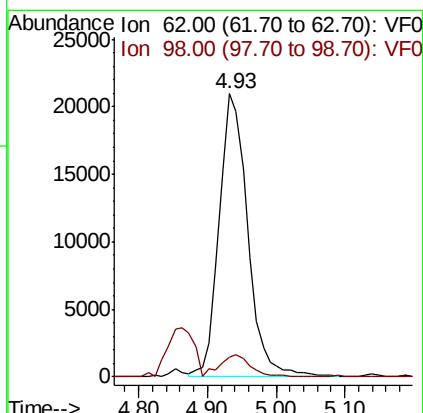
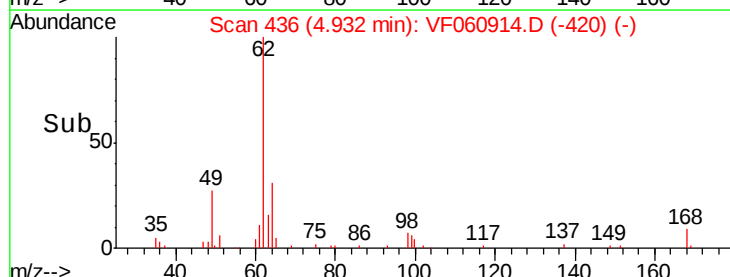
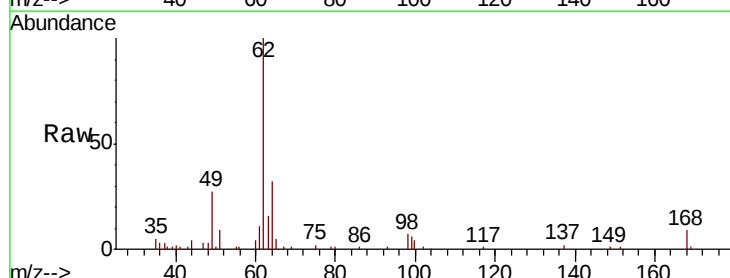
Manual Integrations
APPROVED

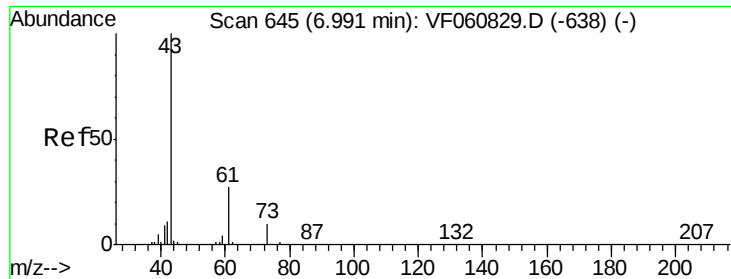
apatel
12/7/2018 12:07:39 PM



#42
1,2-Dichloroethane
Concen: 21.974 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.2





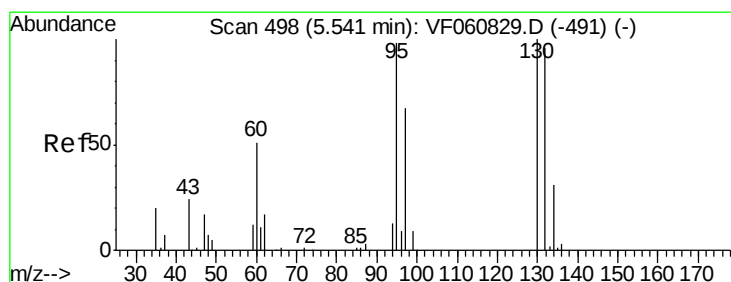
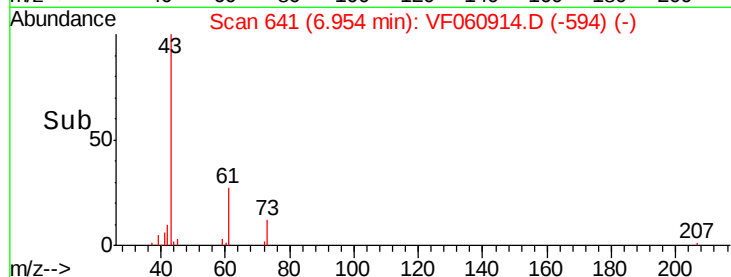
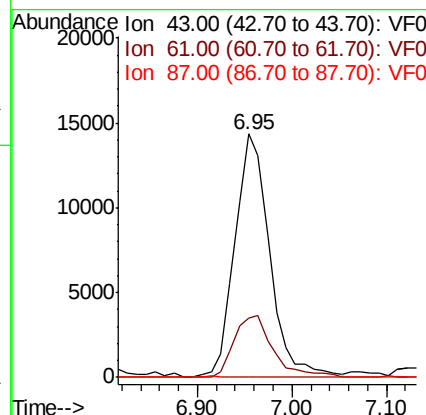
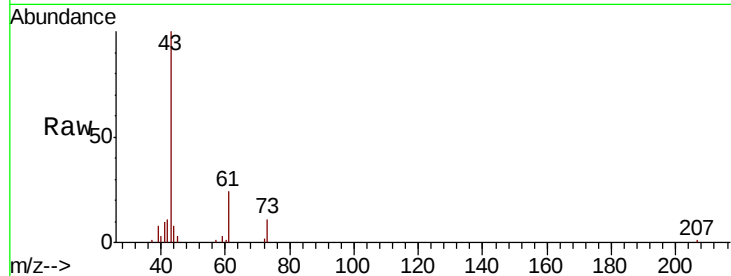
#43
Isopropyl Acetate
Concen: 19.732 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.3	21.4	32.0
87	0.0	0.2	0.4

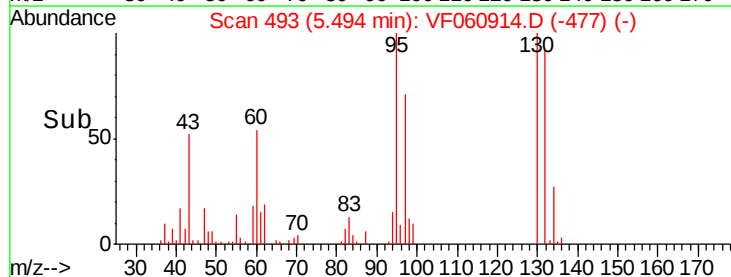
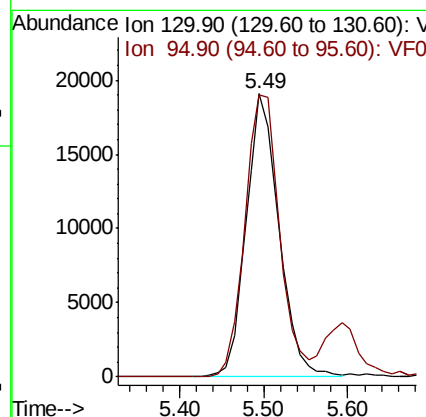
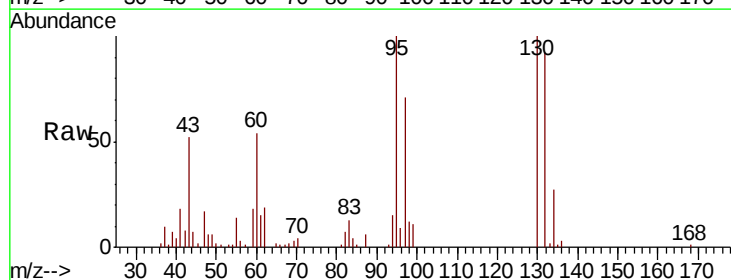
Manual Integrations
APPROVED

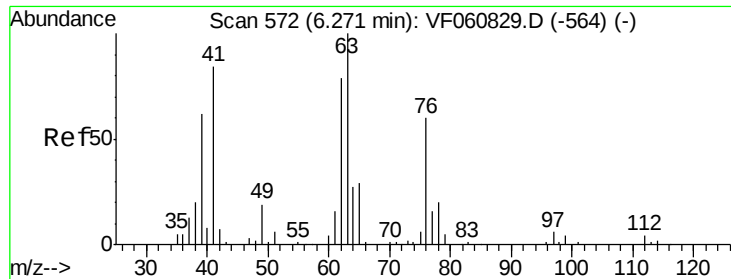
apatel
12/7/2018 12:07:39 PM



#44
Trichloroethene
Concen: 21.083 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	195.6





#45

1,2-Dichloropropane

Concen: 22.475 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 63 Resp: 44081

Ion Ratio Lower Upper

63 100

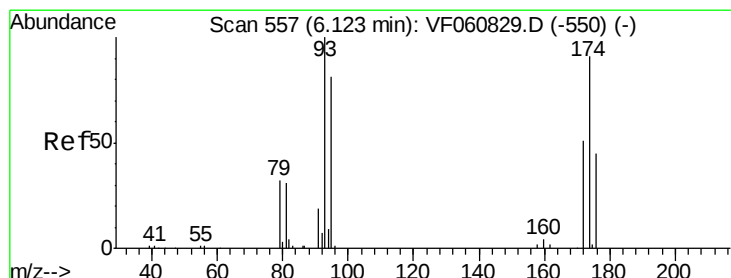
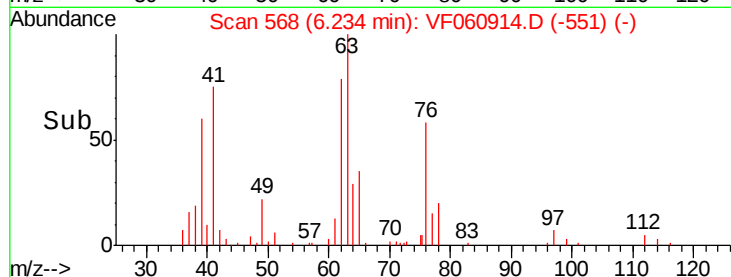
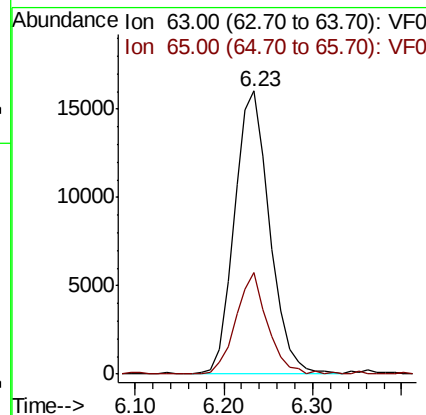
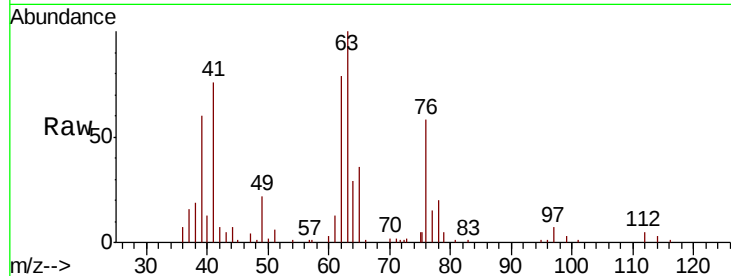
65 35.7 23.2 34.8#

Manual Integrations

APPROVED

apatel

12/7/2018 12:07:39 PM



#46

Dibromomethane

Concen: 21.426 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

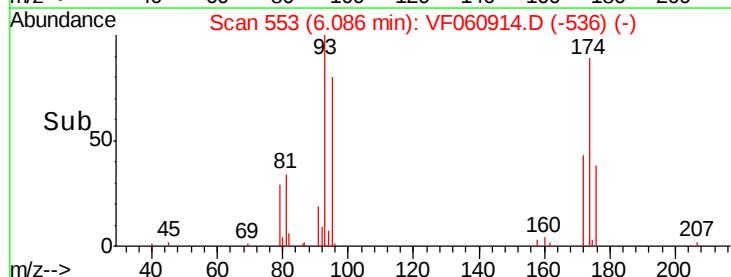
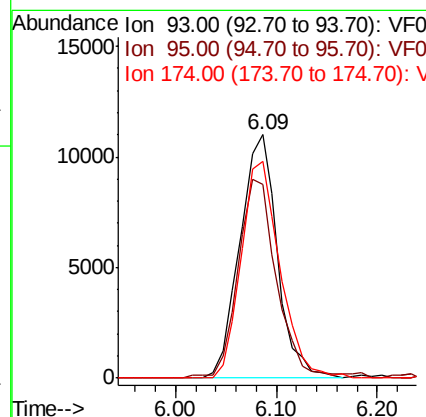
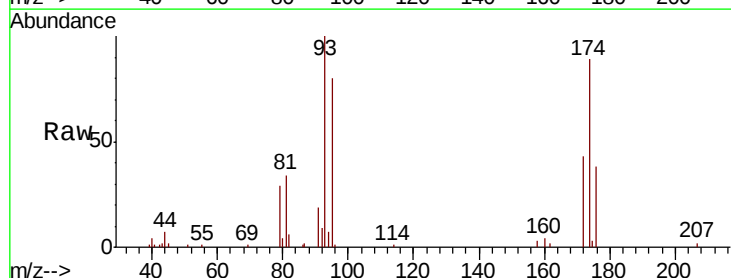
Tgt Ion: 93 Resp: 28507

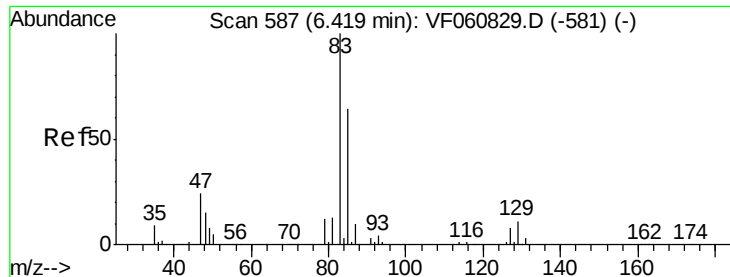
Ion Ratio Lower Upper

93 100

95 79.8 64.7 97.1

174 91.9 73.0 109.6





#47

Bromodichloromethane

Concen: 21.994 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

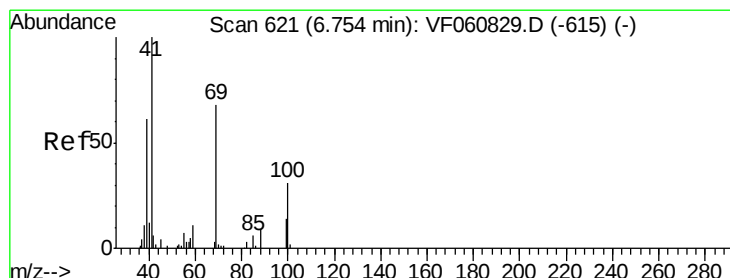
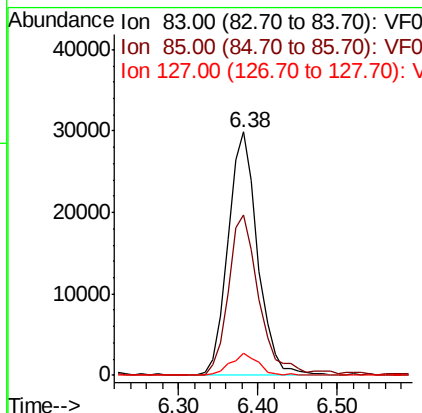
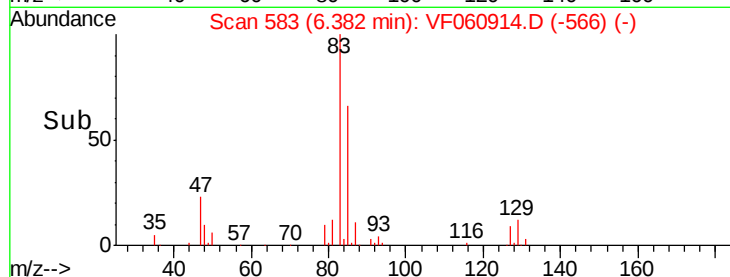
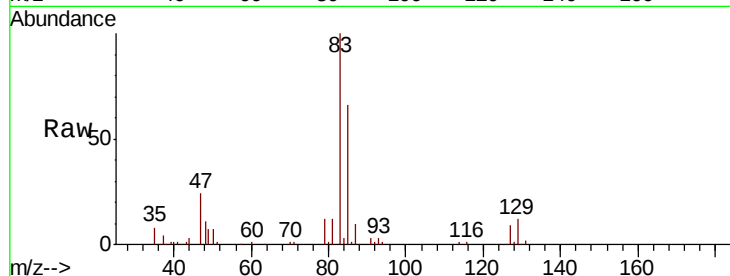
ClientSampleId :

VF1206SBS01

Tot Ion:	83	Resp:	77723
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.1	76.7
127	9.1	6.8	10.2

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#48

Methyl methacrylate

Concen: 20.494 ug/l

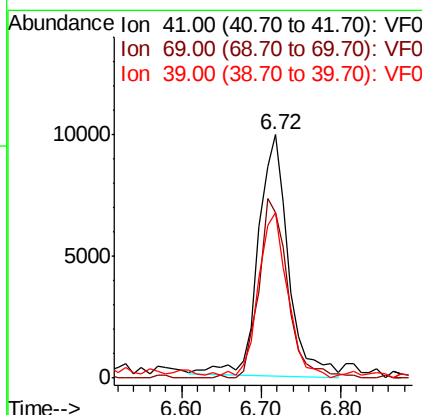
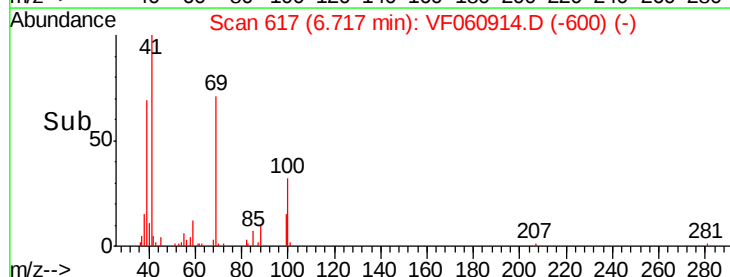
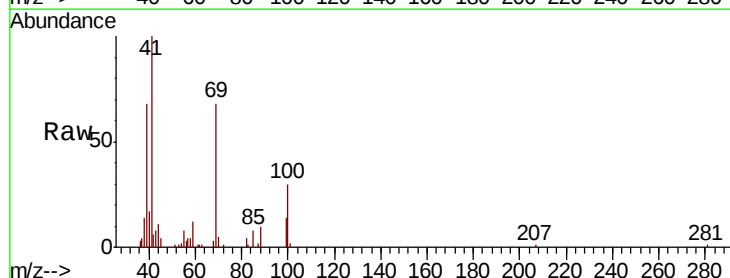
RT: 6.72 min Scan# 617

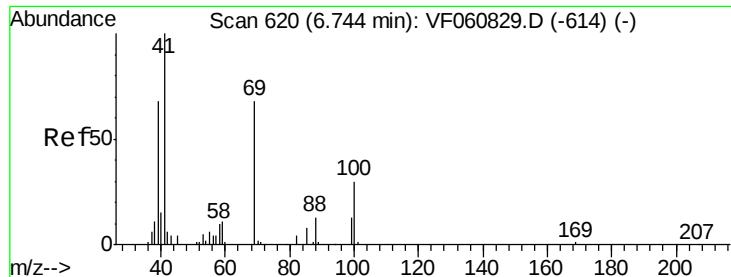
Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion:	41	Resp:	25769
Ion	Ratio	Lower	Upper
41	100		
69	68.2	53.9	80.9
39	67.9	49.0	73.6





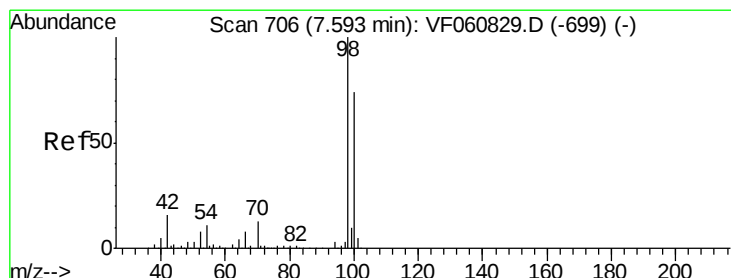
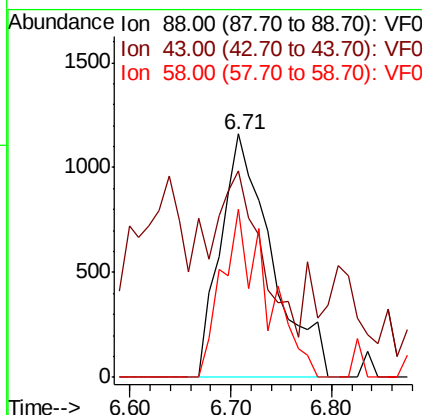
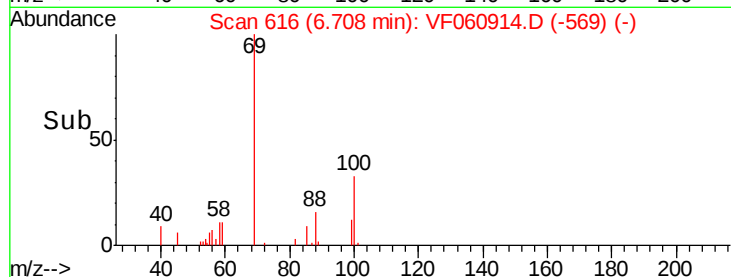
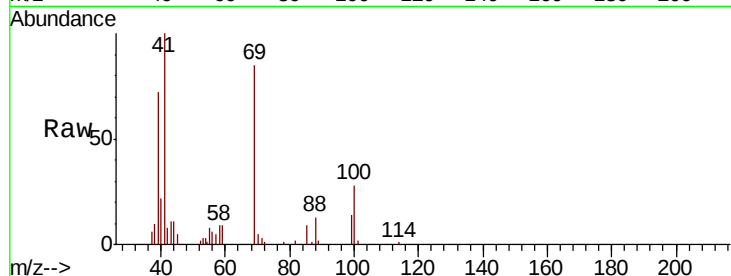
#49
1,4-Dioxane
Concen: 446.179 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	84.9	42.0	63.0#
58	69.1	61.8	92.8

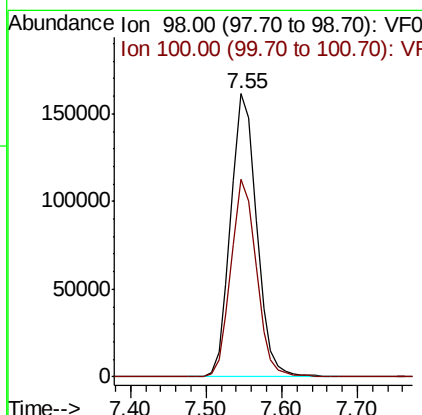
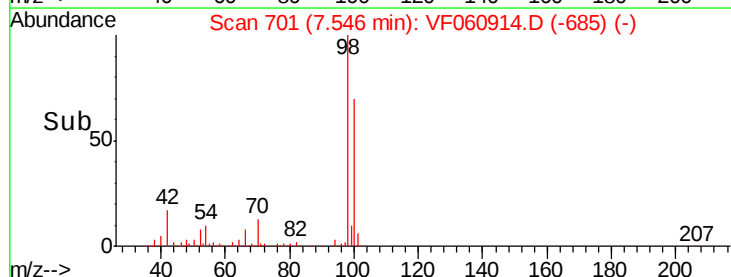
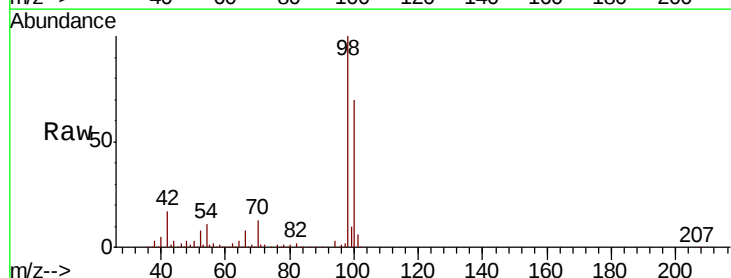
Manual Integrations
APPROVED

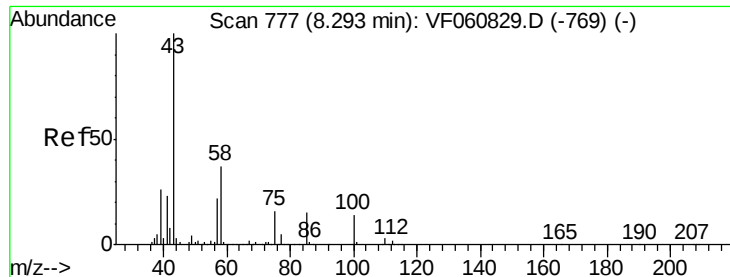
apatel
12/7/2018 12:07:39 PM



#50
Toluene-d8
Concen: 53.355 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.0	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 108.183 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 43 Resp: 138583

Ion Ratio Lower Upper

43 100

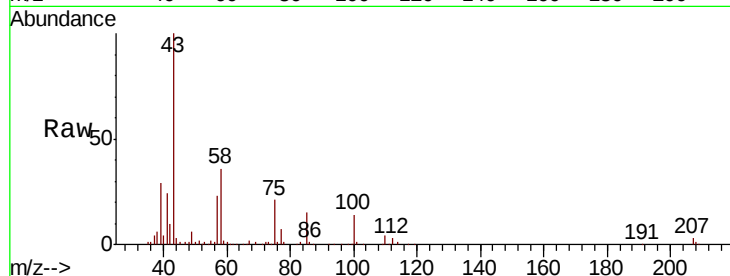
58 36.5 29.7 44.5

Manual Integrations

APPROVED

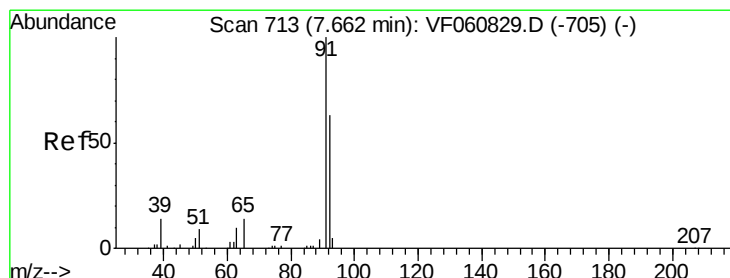
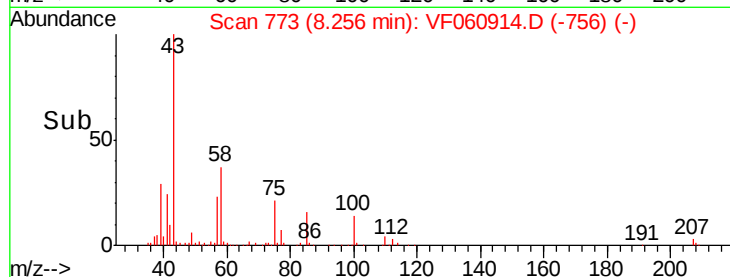
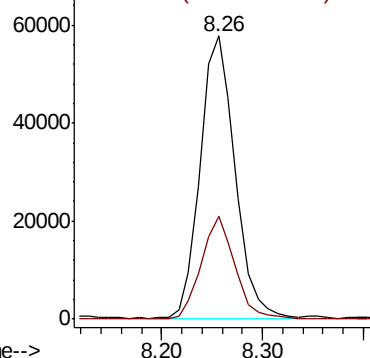
apatel

12/7/2018 12:07:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.858 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF060914.D

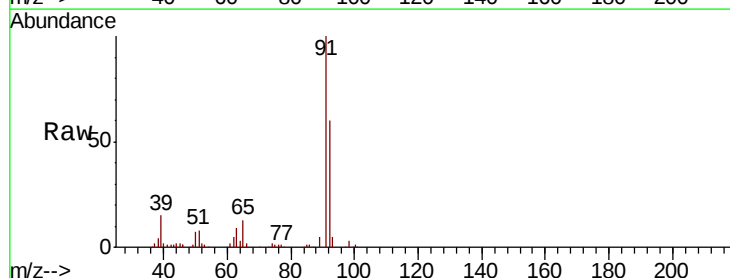
Acq: 6 Dec 2018 13:45

Tgt Ion: 92 Resp: 105340

Ion Ratio Lower Upper

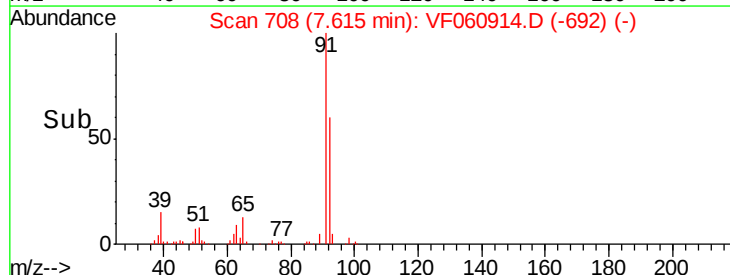
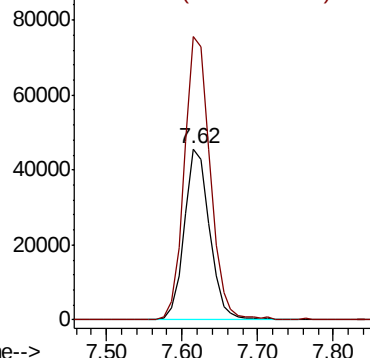
92 100

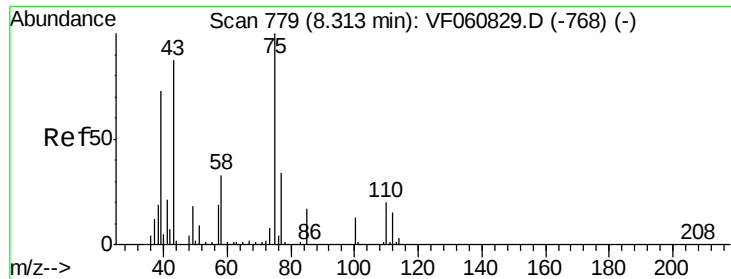
91 165.6 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.783 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 75 Resp: 62614

Ion Ratio Lower Upper

75 100

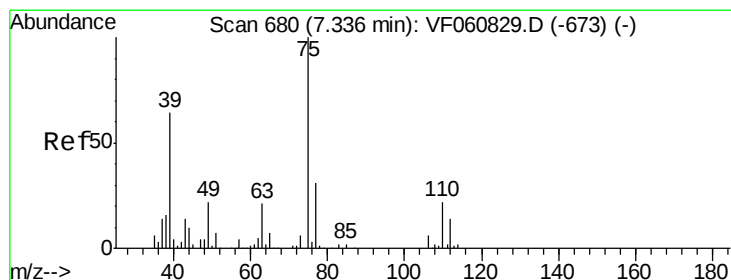
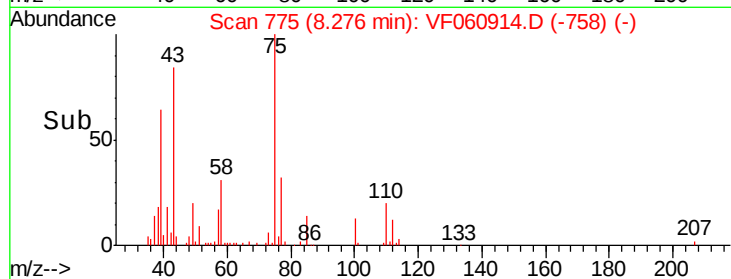
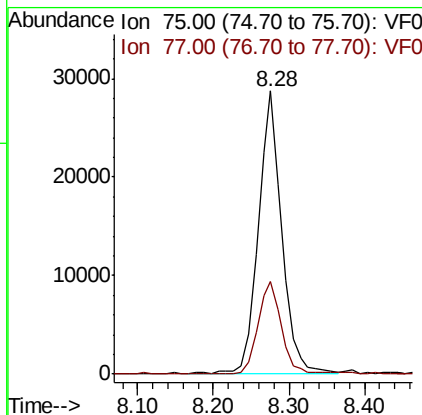
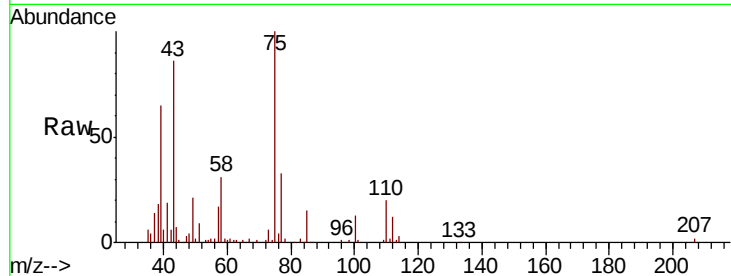
77 32.8 27.4 41.2

Manual Integrations

APPROVED

apatel

12/7/2018 12:07:39 PM



#54

cis-1,3-Dichloropropene

Concen: 20.950 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

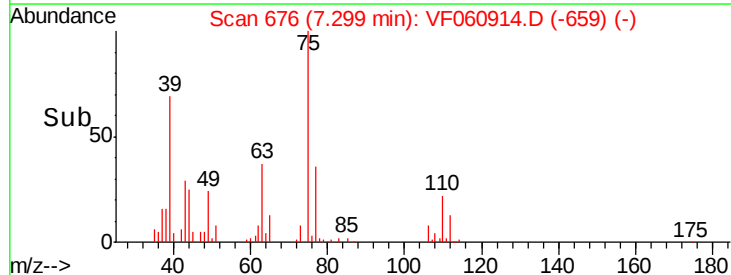
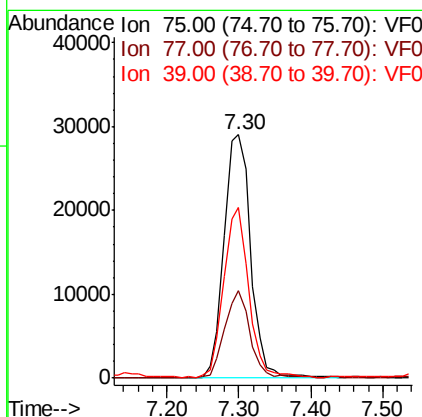
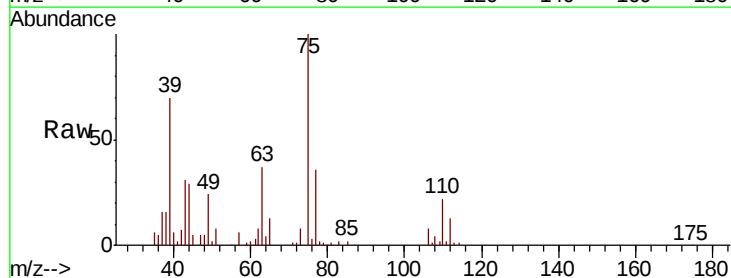
Tgt Ion: 75 Resp: 74549

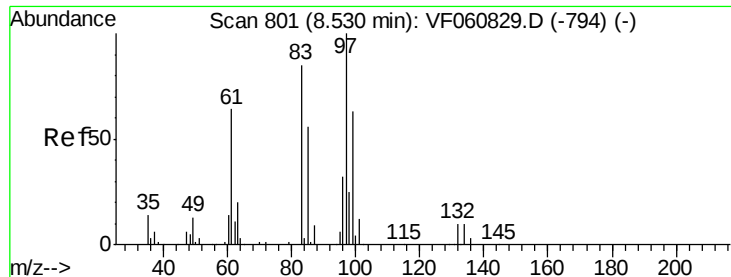
Ion Ratio Lower Upper

75 100

77 36.1 25.0 37.6

39 70.3 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 20.140 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

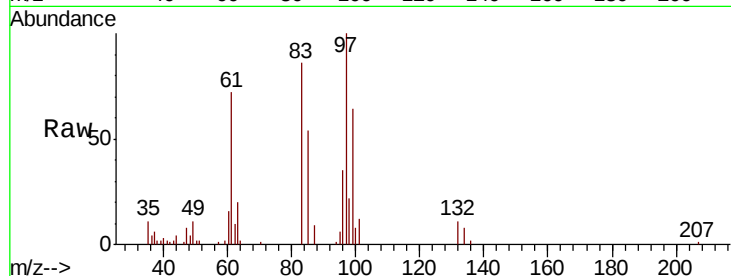
ClientSampleId :

VF1206SBS01

Tot Ion:	97	Resp:	31130
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.8	101.6
85	54.4	45.0	67.6
99	63.6	50.5	75.7

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM

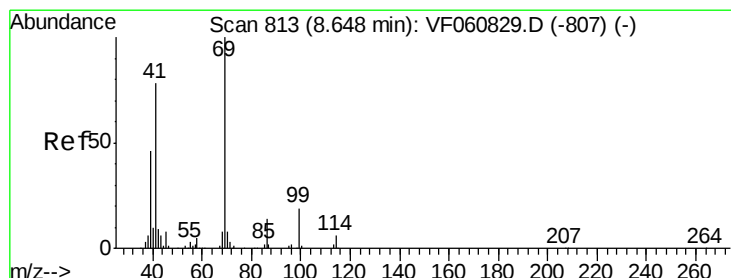
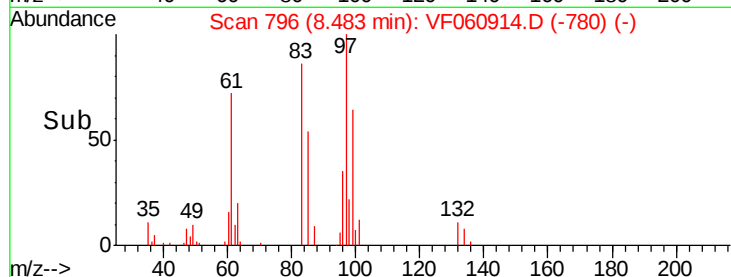
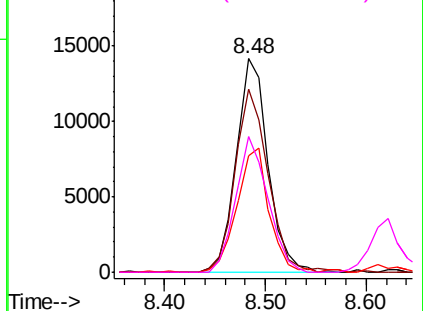


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.595 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.03 min

Lab File: VF060914.D

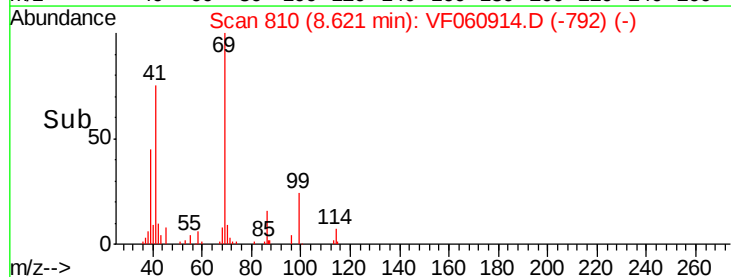
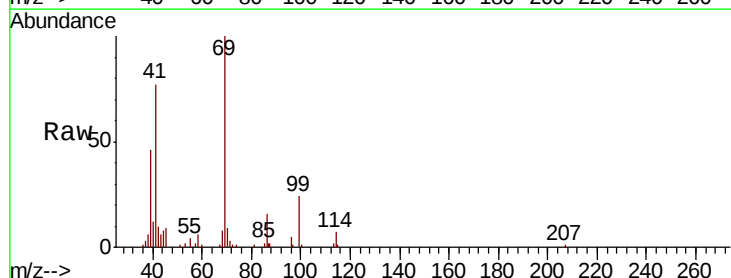
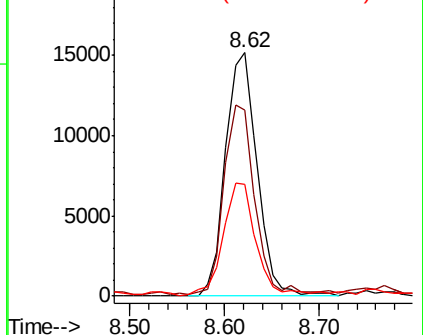
Acq: 6 Dec 2018 13:45

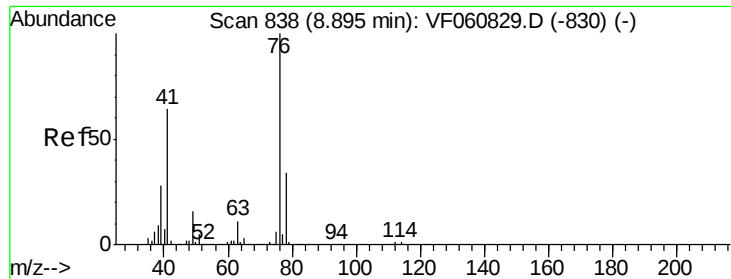
Tgt Ion:	69	Resp:	35363
Ion	Ratio	Lower	Upper
69	100		
41	76.6	62.6	94.0
39	46.0	37.8	56.6

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.166 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.05 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 76 Resp: 59943

Ion Ratio Lower Upper

76 100

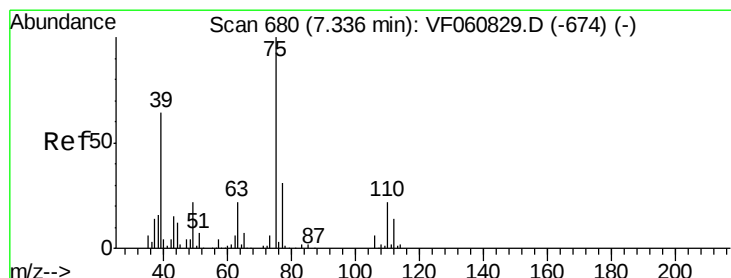
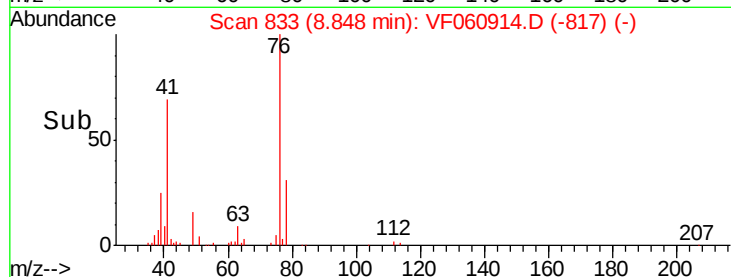
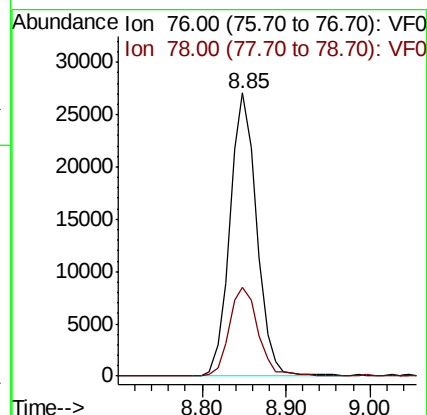
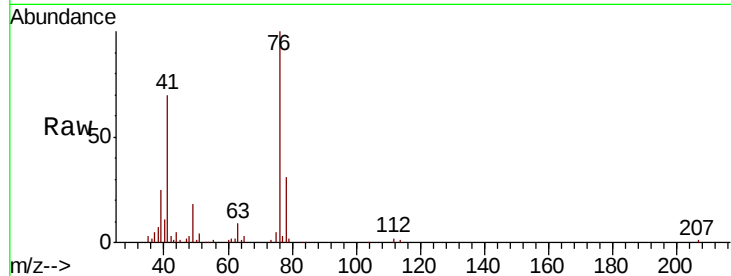
78 31.4 27.0 40.4

Manual Integrations

APPROVED

apatel

12/7/2018 12:07:39 PM



#58

2-Chloroethyl Vinyl ether

Concen: 168.150 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060914.D

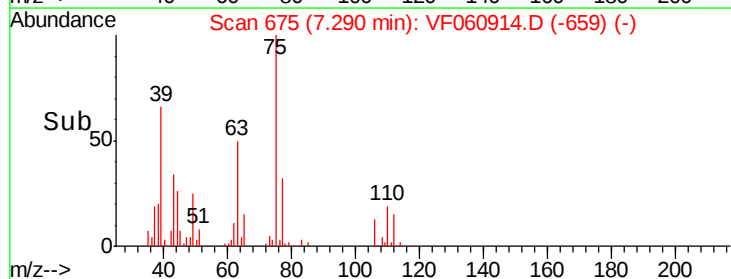
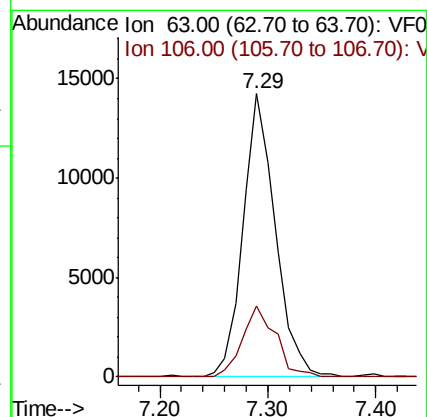
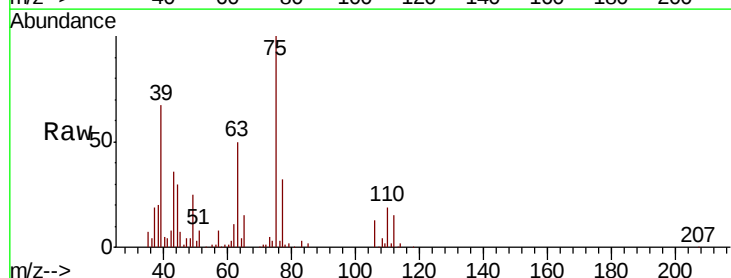
Acq: 6 Dec 2018 13:45

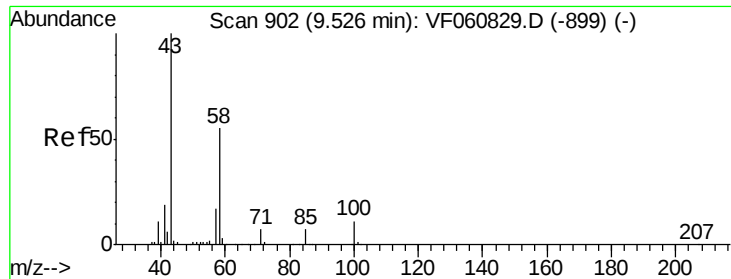
Tgt Ion: 63 Resp: 29532

Ion Ratio Lower Upper

63 100

106 25.1 23.0 34.6





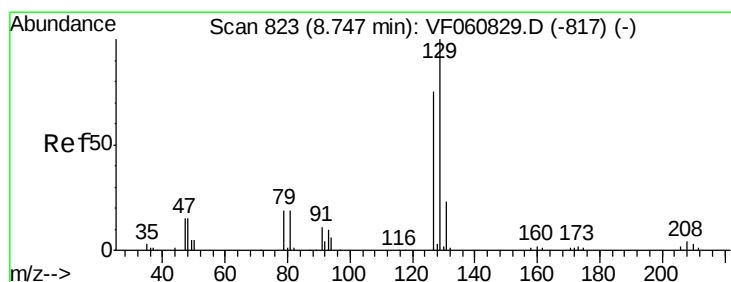
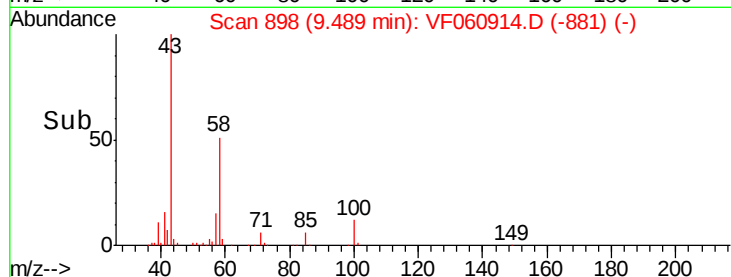
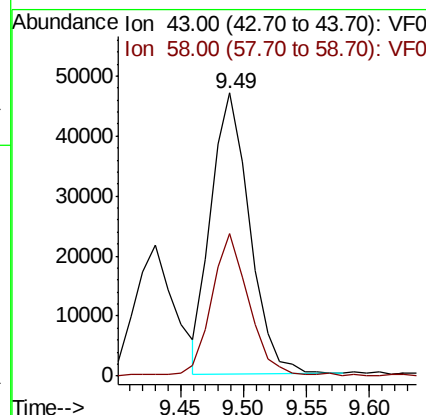
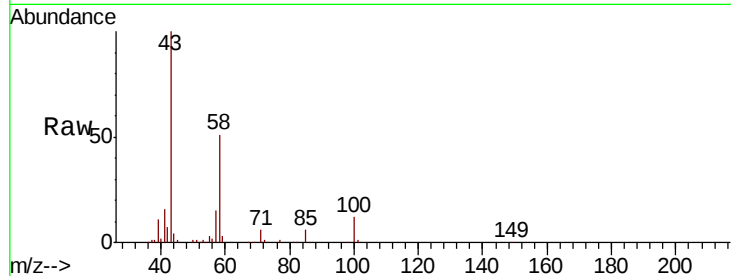
#59
2-Hexanone
Concen: 110.109 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	43	Resp	98955
Ion Ratio	100	Lower	Upper
43	100		
58	50.5	25.6	76.6

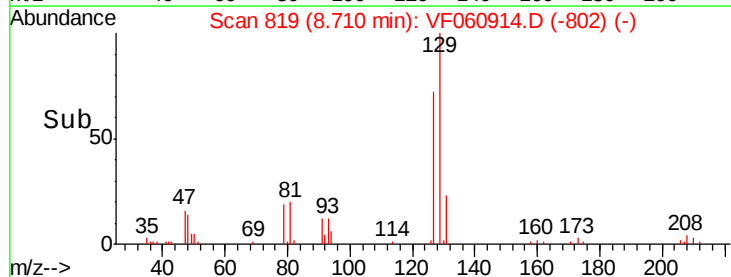
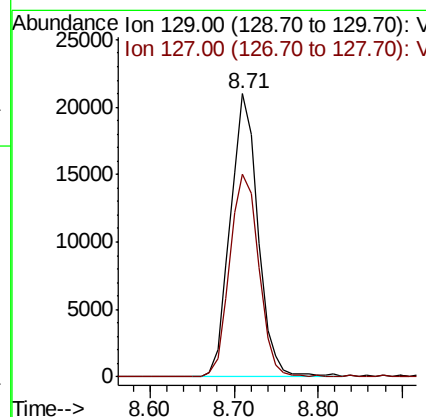
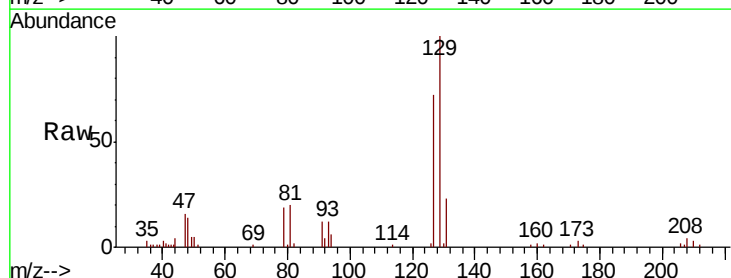
Manual Integrations
APPROVED

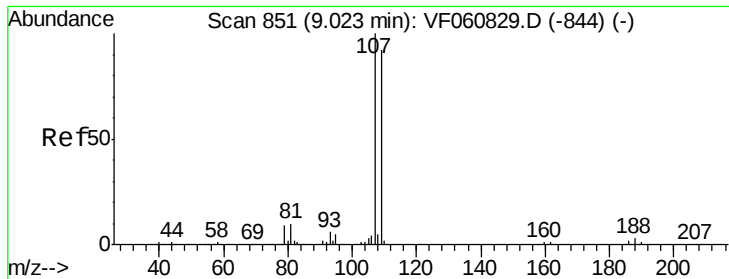
apatel
12/7/2018 12:07:39 PM



#60
Dibromochloromethane
Concen: 20.847 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	129	Resp	48011	
Ion Ratio	129	100	Lower	Upper
129	100			
127	71.7	37.3	111.9	





#61

1,2-Dibromoethane

Concen: 20.750 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion:107 Resp: 34647

Ion Ratio Lower Upper

107 100

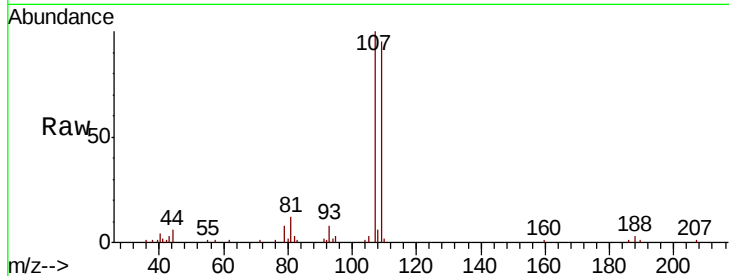
109 94.6 73.6 110.4

Manual Integrations

APPROVED

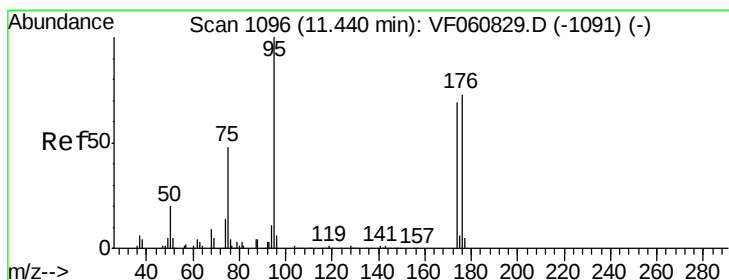
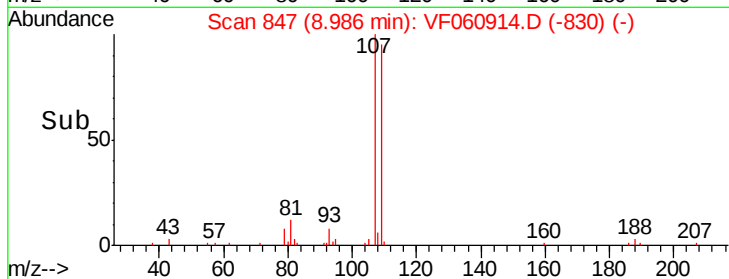
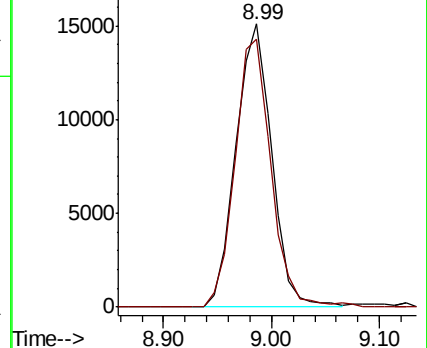
apatel

12/7/2018 12:07:39 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.921 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

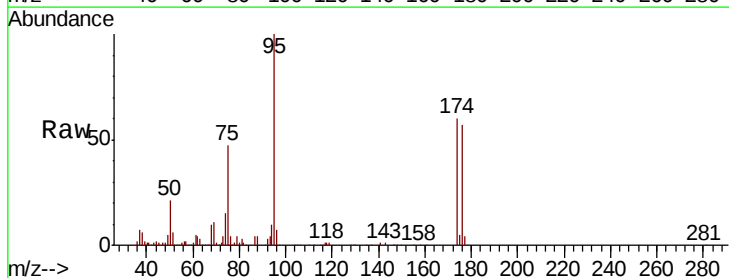
Tgt Ion: 95 Resp: 169950

Ion Ratio Lower Upper

95 100

174 60.3 0.0 138.2

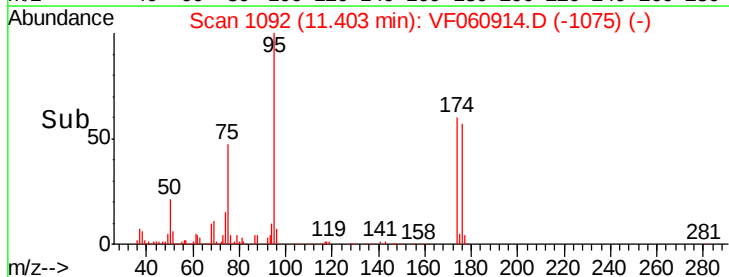
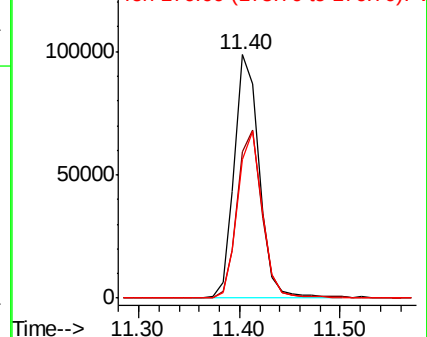
176 57.2 0.0 146.2

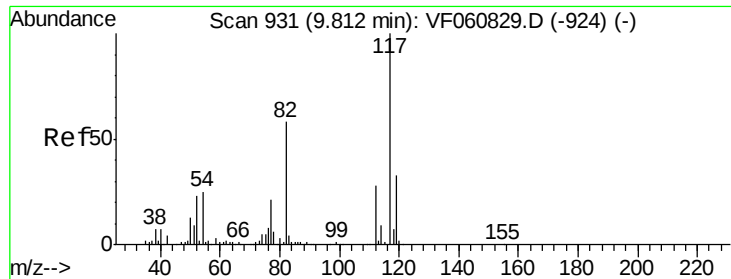


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





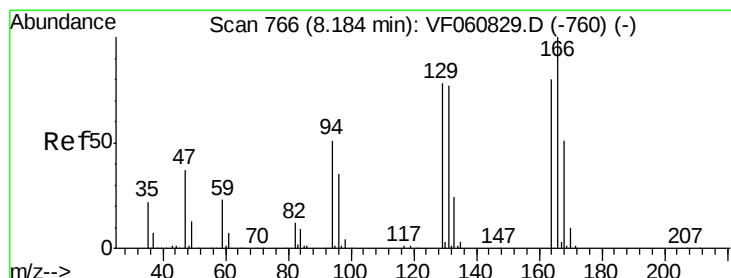
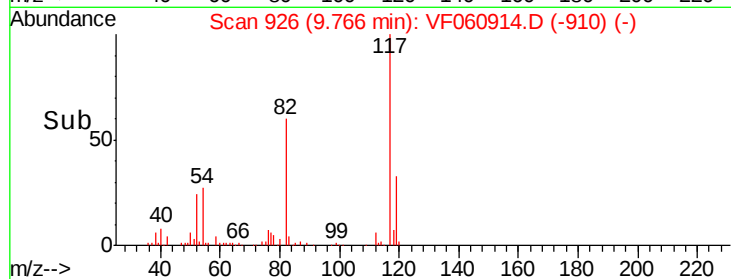
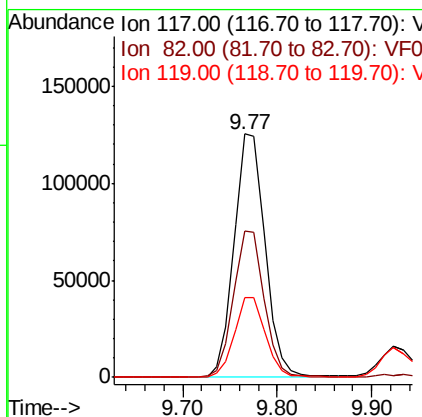
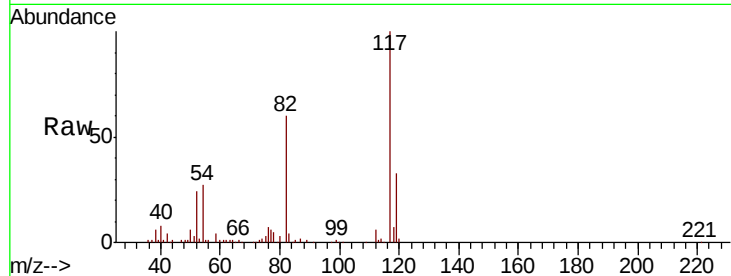
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286619		
82	60.0		46.6	69.8
119	32.7		26.4	39.6

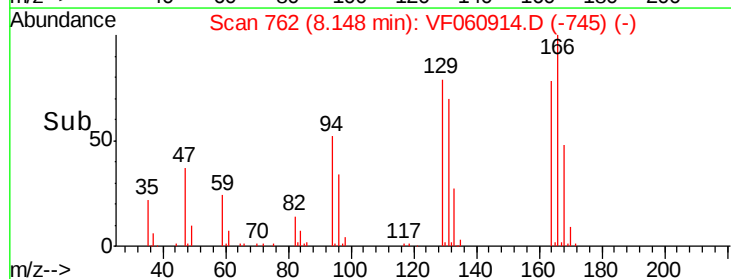
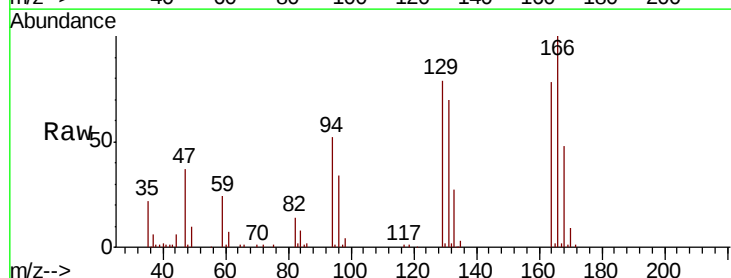
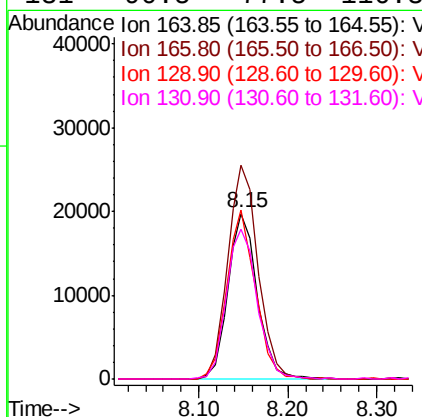
Manual Integrations
APPROVED

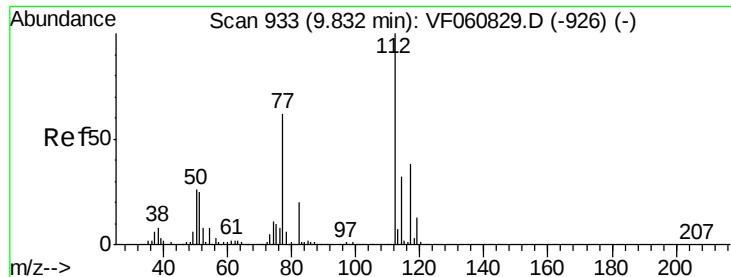
apatel
12/7/2018 12:07:39 PM



#64
Tetrachloroethene
Concen: 20.732 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45386		
166	129.0		100.3	150.5
129	102.1		77.9	116.9
131	90.5		77.5	116.3





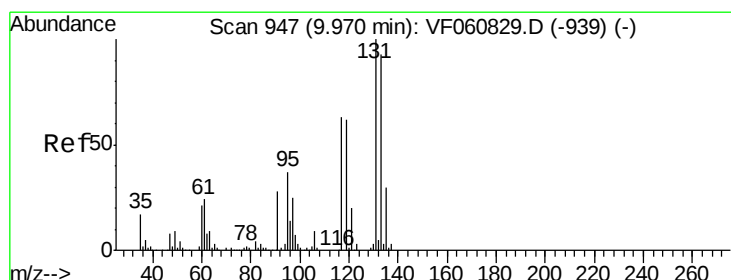
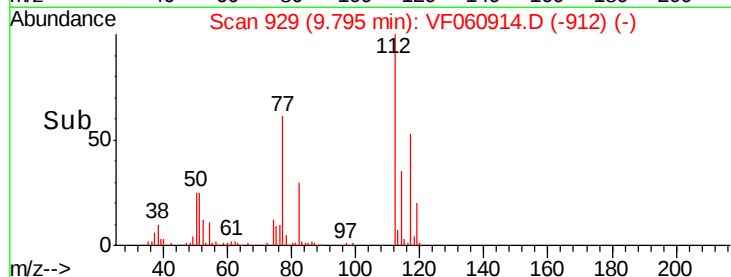
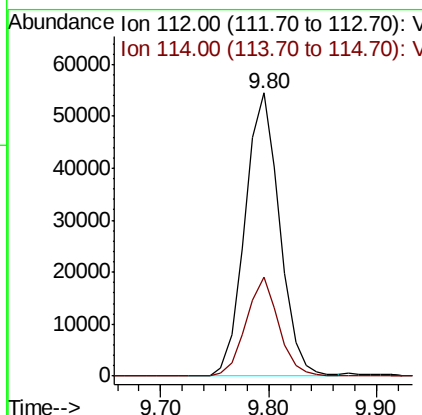
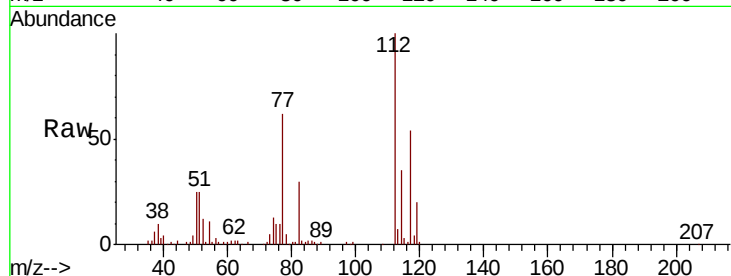
#65
Chlorobenzene
Concen: 21.764 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.8	26.0	39.0

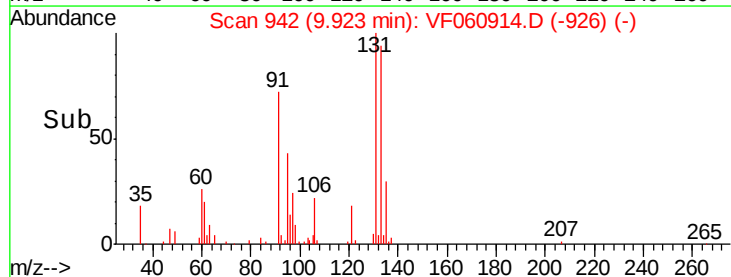
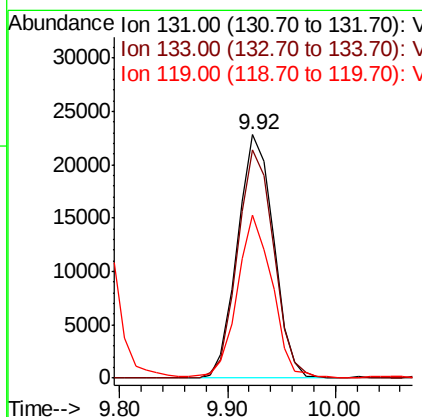
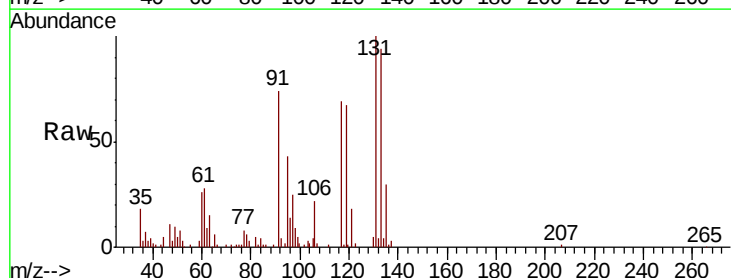
Manual Integrations
APPROVED

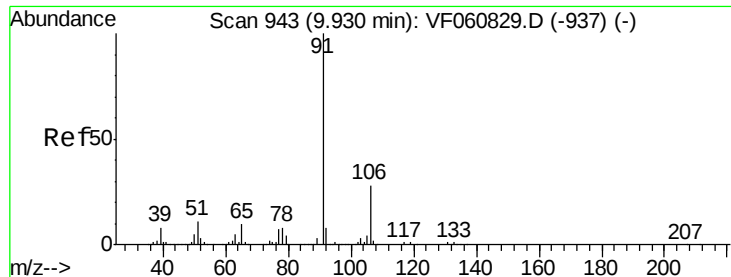
apatel
12/7/2018 12:07:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.182 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	46.5	139.3
119	67.0	31.1	93.3





#67

Ethyl Benzene

Concen: 22.471 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBSD01

Tot Ion: 91 Resp: 233259

Ion Ratio Lower Upper

91 100

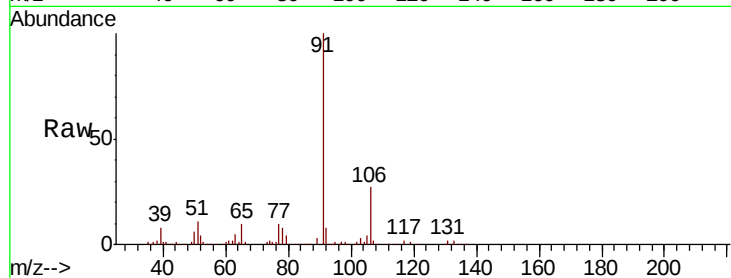
106 27.3 22.2 33.2

Manual Integrations

APPROVED

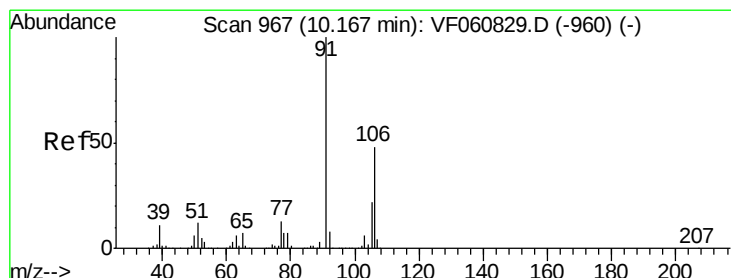
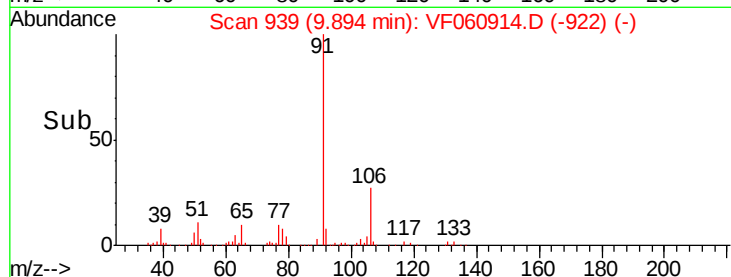
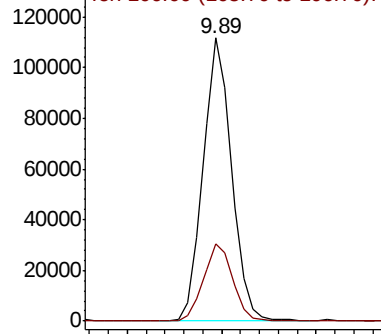
apatel

12/7/2018 12:07:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.233 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060914.D

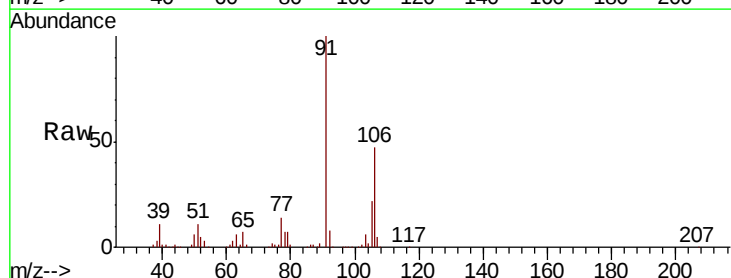
Acq: 6 Dec 2018 13:45

Tgt Ion:106 Resp: 165144

Ion Ratio Lower Upper

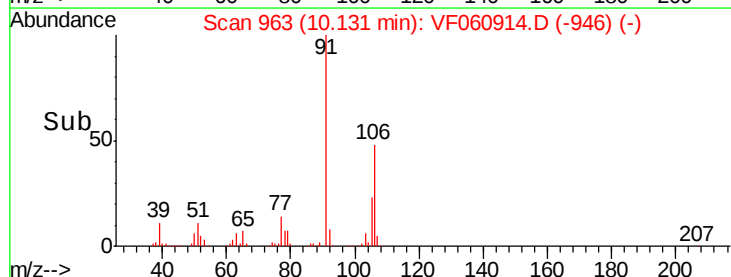
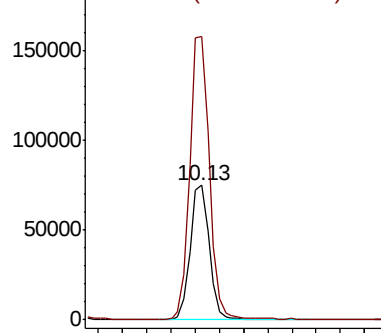
106 100

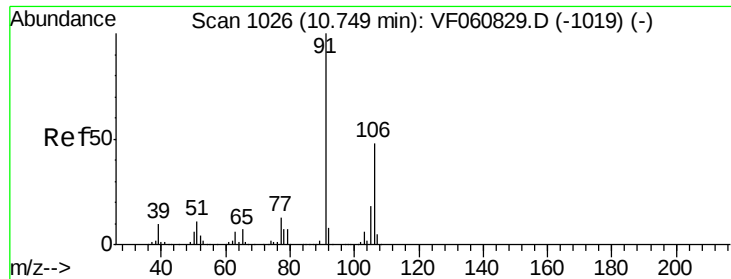
91 210.6 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





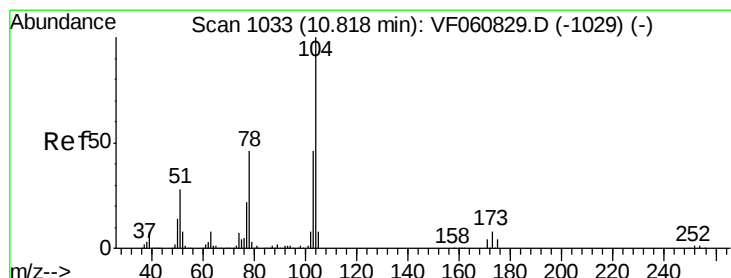
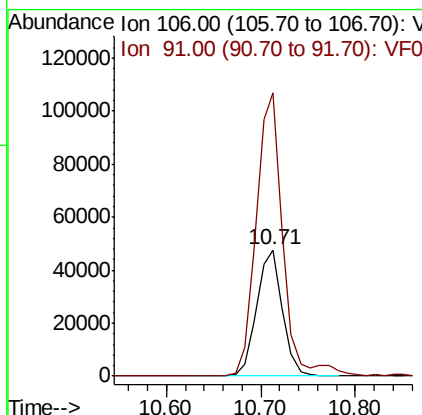
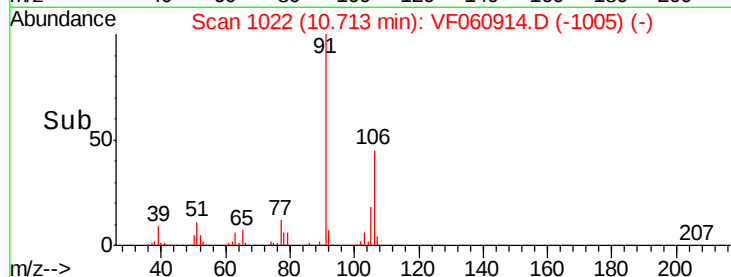
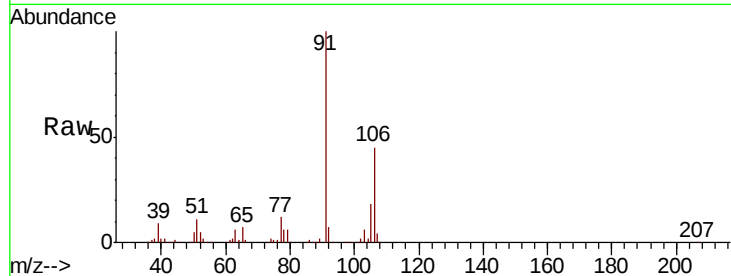
#69
o-Xylene
Concen: 21.974 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion:106 Resp: 90465
Ion Ratio Lower Upper
106 100
91 223.8 104.8 314.6

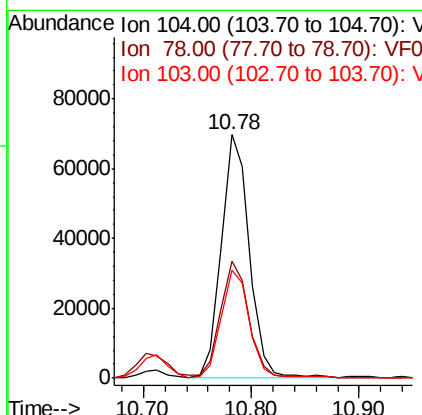
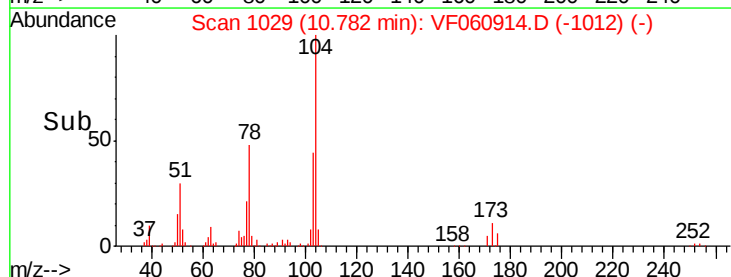
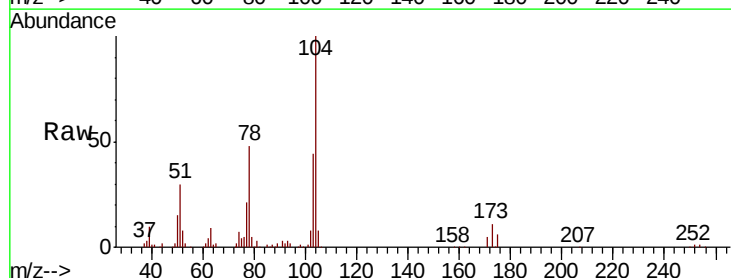
Manual Integrations
APPROVED

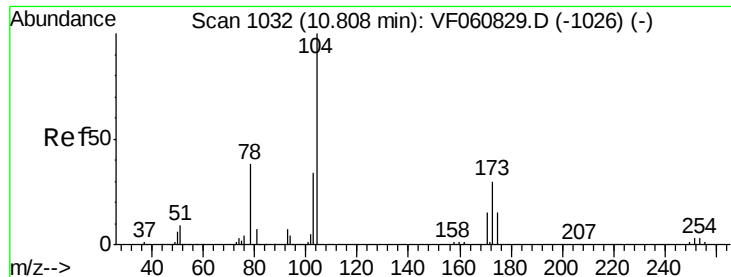
apatel
12/7/2018 12:07:39 PM



#70
Styrene
Concen: 21.969 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion:104 Resp: 125377
Ion Ratio Lower Upper
104 100
78 48.1 37.3 55.9
103 44.3 36.8 55.2





#71

Bromoform

Concen: 20.568 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

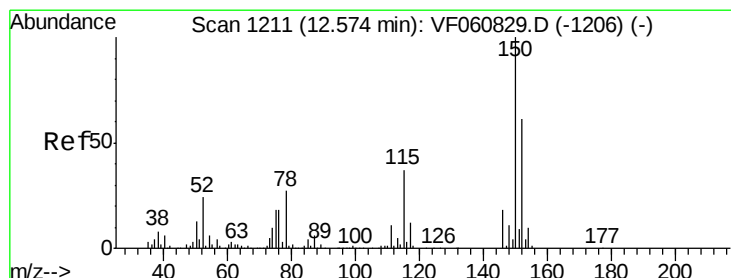
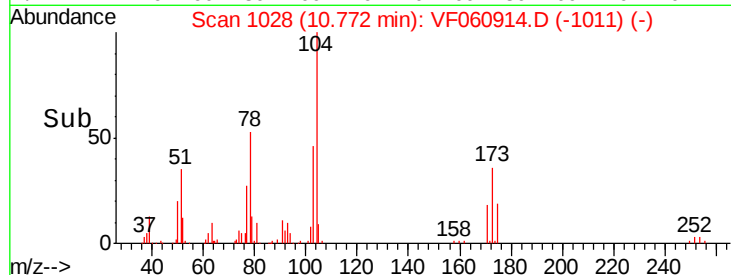
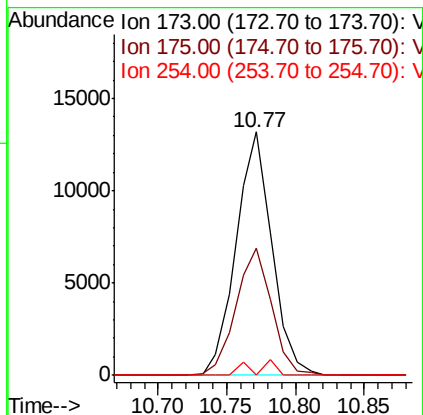
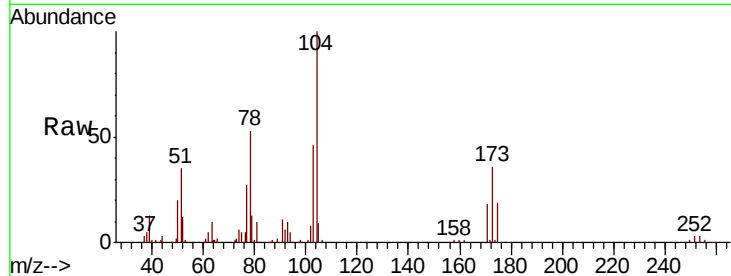
ClientSampleId :

VF1206SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.0	25.5	76.5
254	0.0	7.5	11.3

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

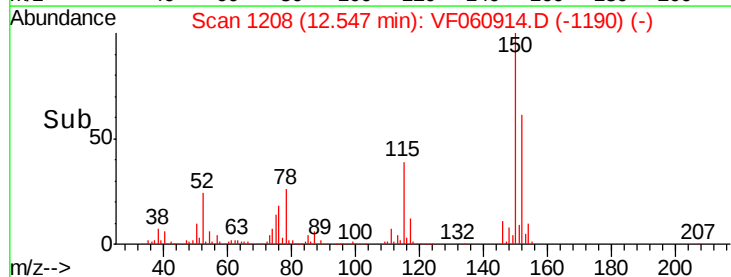
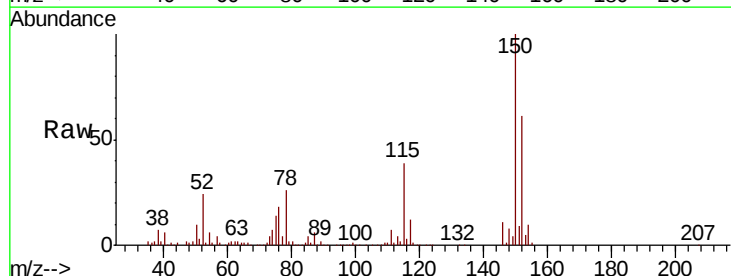
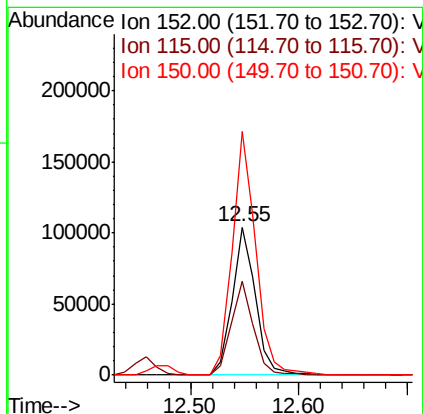
RT: 12.55 min Scan# 1208

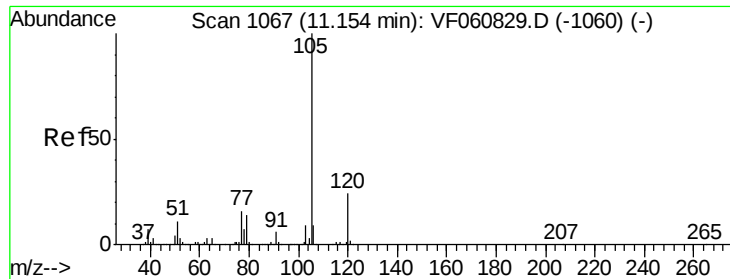
Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	30.1	90.5
150	164.9	0.0	327.6





#73

Isopropylbenzene

Concen: 22.244 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 105 Resp: 272539

Ion Ratio Lower Upper

105 100

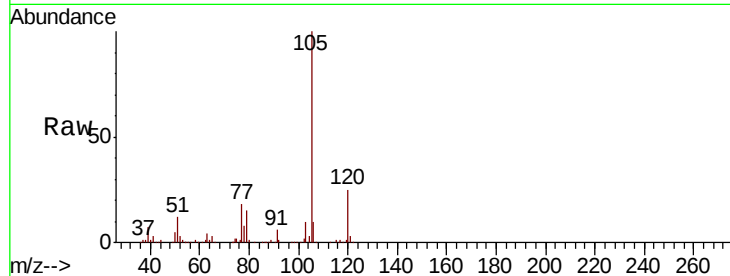
120 25.3 12.2 36.4

Manual Integrations

APPROVED

apatel

12/7/2018 12:07:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

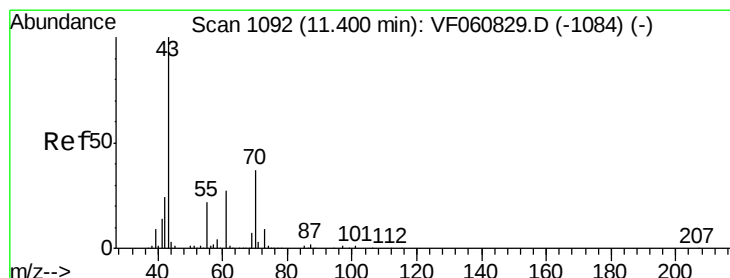
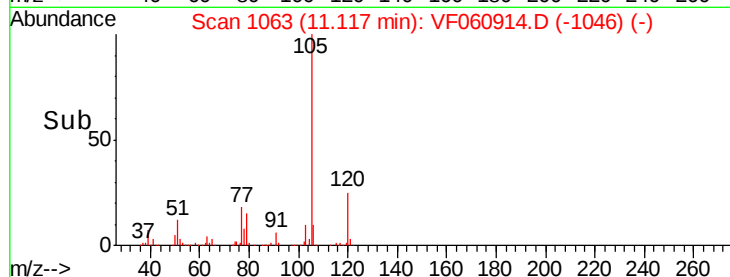
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.663 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion: 43 Resp: 64120

Ion Ratio Lower Upper

43 100

70 33.6 29.6 44.4

55 19.9 17.2 25.8

61 25.3 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

50000

40000

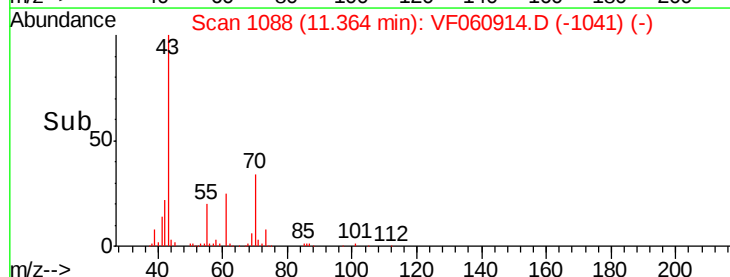
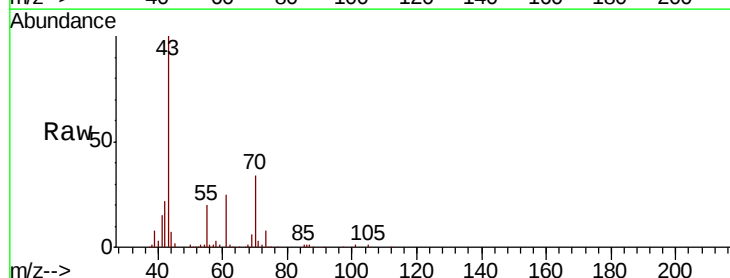
30000

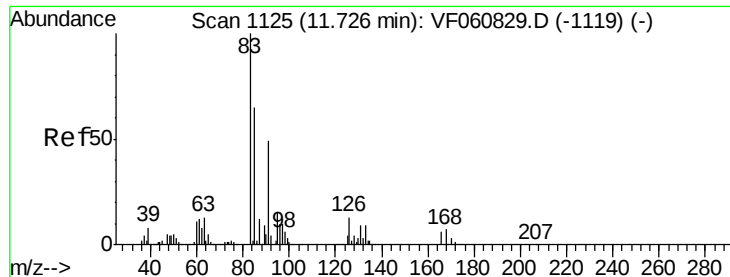
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.244 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

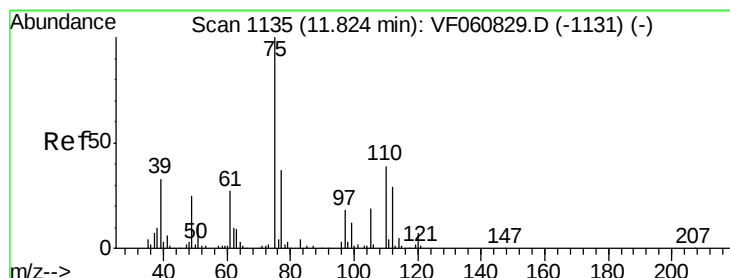
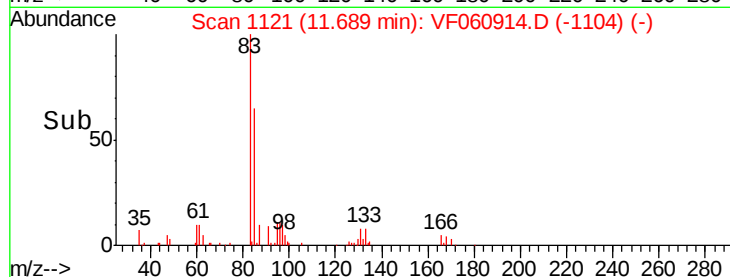
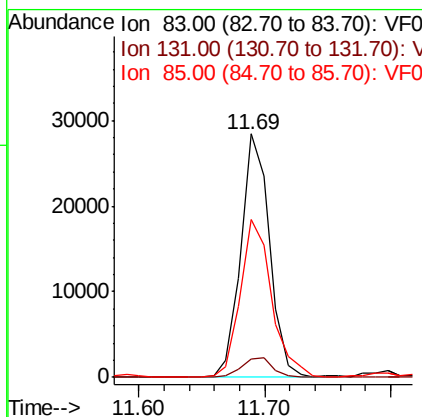
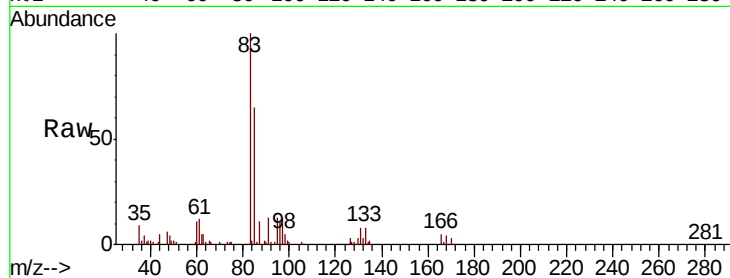
ClientSampleId :

VF1206SBSD01

Tot Ion	83	Resp	44854
Ion	Ratio	Lower	Upper
83	100		
131	7.6	4.7	14.1
85	64.9	32.6	97.8

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#76

1,2,3-Trichloropropane

Concen: 21.550 ug/l

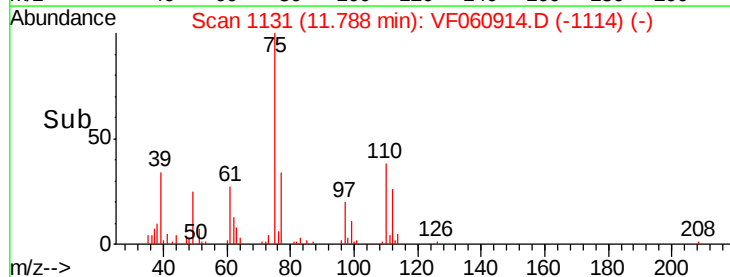
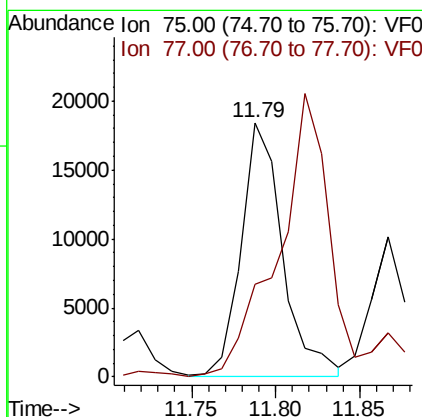
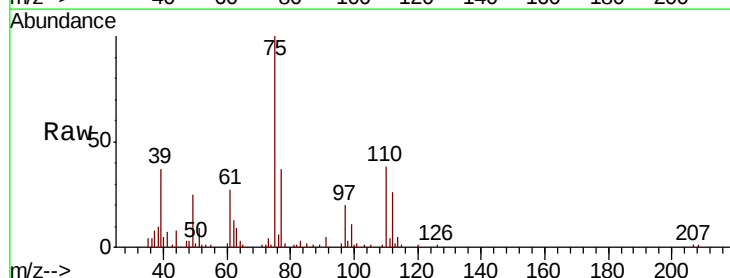
RT: 11.79 min Scan# 1131

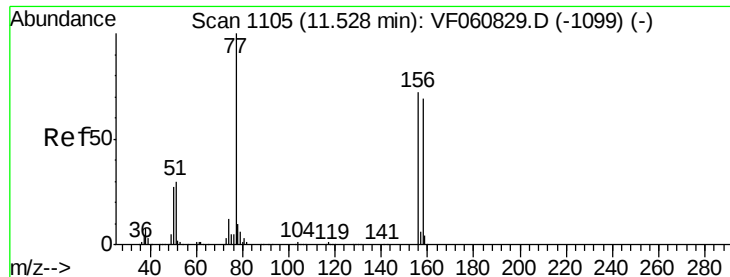
Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion	75	Resp	31586
Ion	Ratio	Lower	Upper
75	100		
77	36.7	18.4	55.4





#77

Bromobenzene

Concen: 21.214 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion:156 Resp: 56984

Ion Ratio Lower Upper

156 100

77 158.5 69.7 209.0

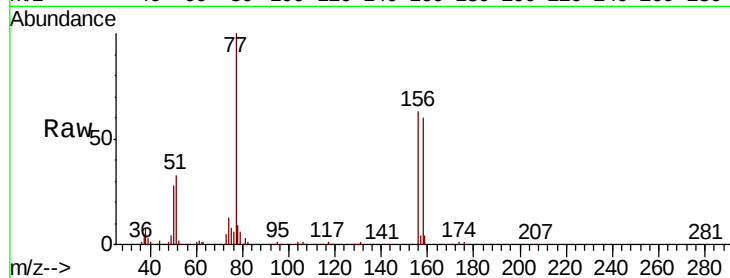
158 95.5 47.8 143.4

Manual Integrations

APPROVED

apatel

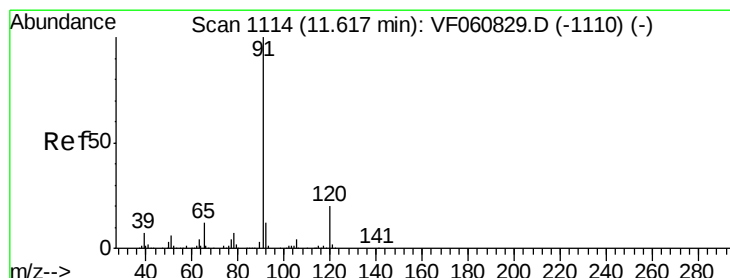
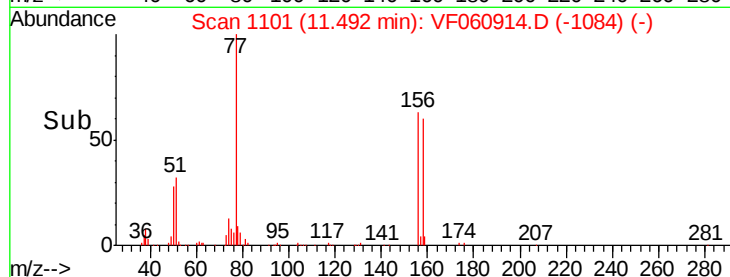
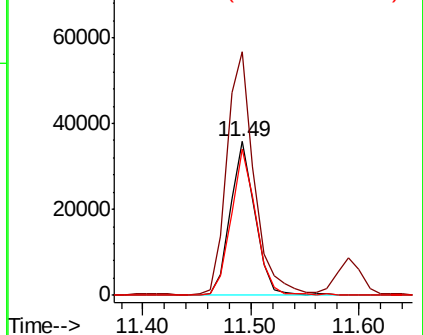
12/7/2018 12:07:39 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.028 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF060914.D

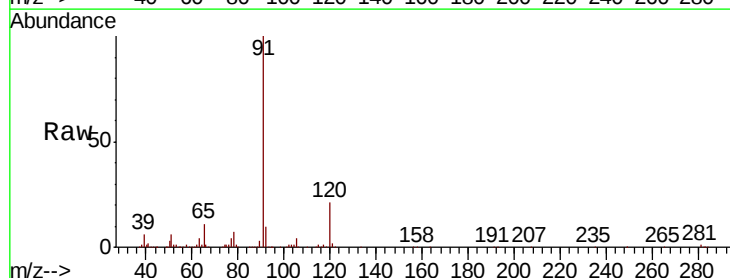
Acq: 6 Dec 2018 13:45

Tgt Ion: 91 Resp: 330414

Ion Ratio Lower Upper

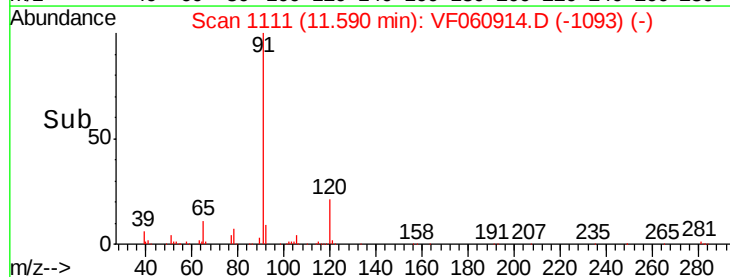
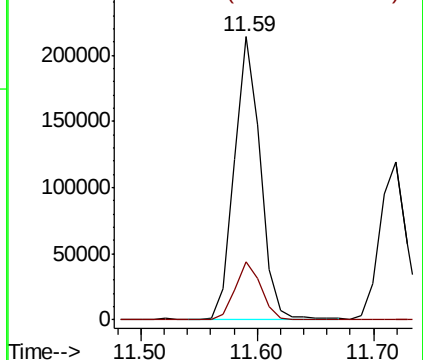
91 100

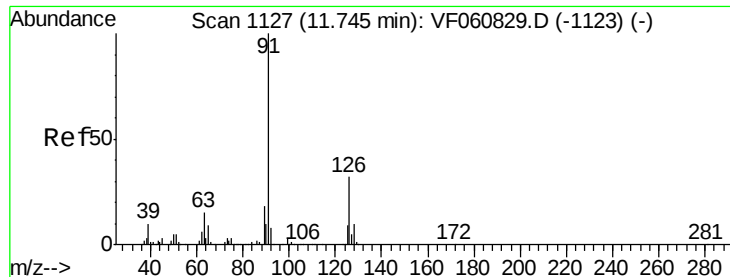
120 20.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.475 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 91 Resp: 184908

Ion Ratio Lower Upper

91 100

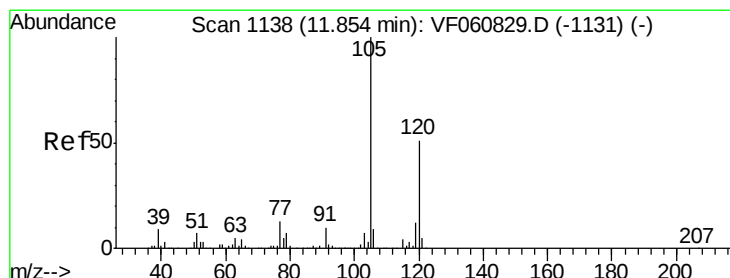
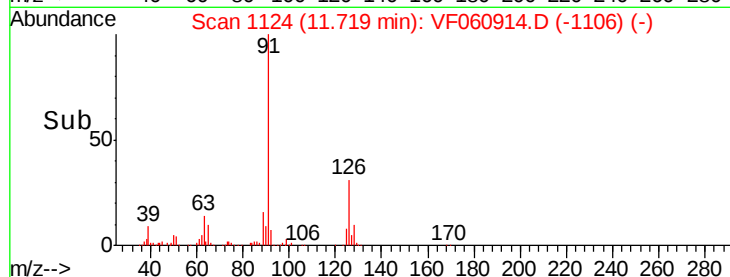
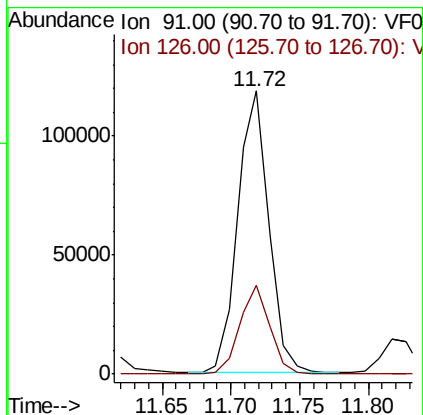
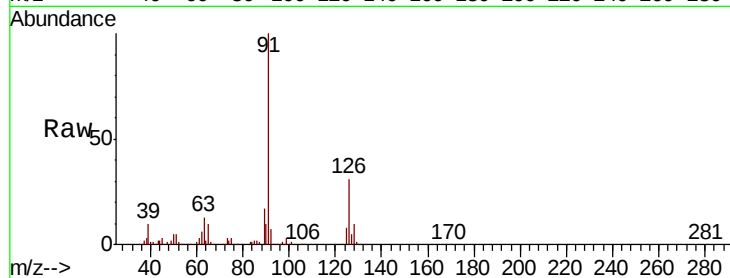
126 31.2 15.9 47.6

Manual Integrations

APPROVED

apatel

12/7/2018 12:07:39 PM



#80

1,3,5-Trimethylbenzene

Concen: 22.012 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF060914.D

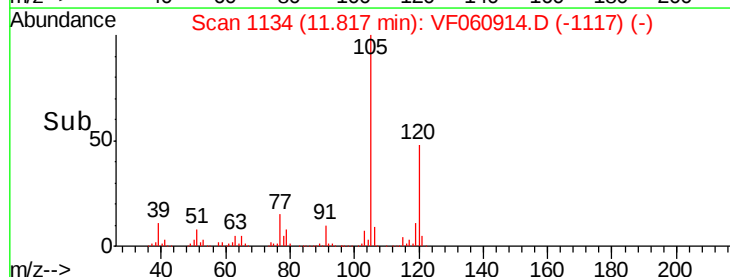
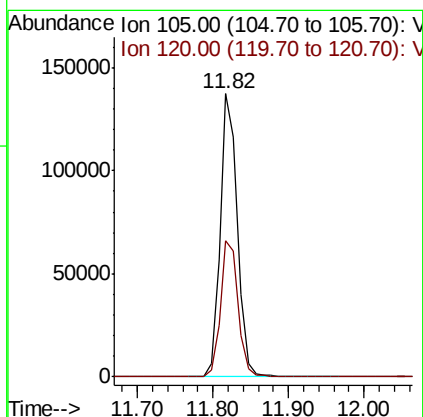
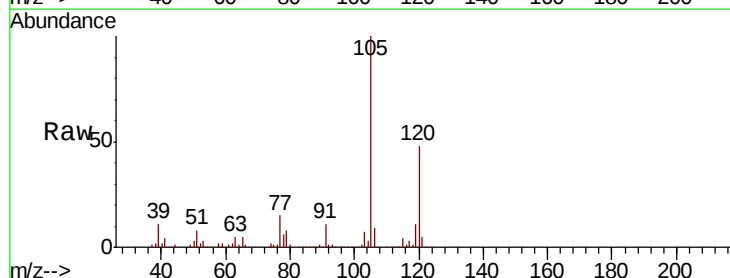
Acq: 6 Dec 2018 13:45

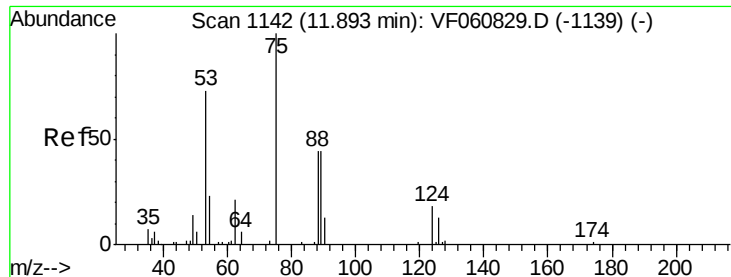
Tgt Ion:105 Resp: 218947

Ion Ratio Lower Upper

105 100

120 48.3 25.8 77.3





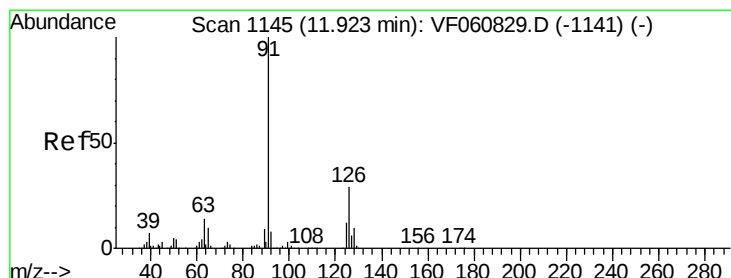
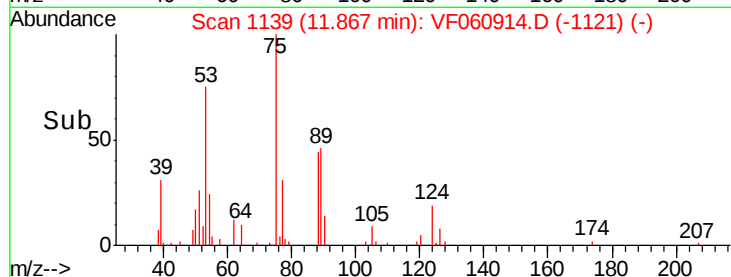
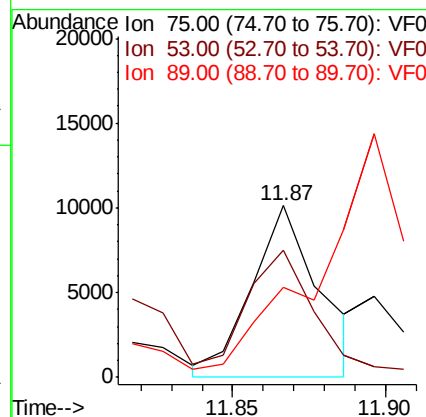
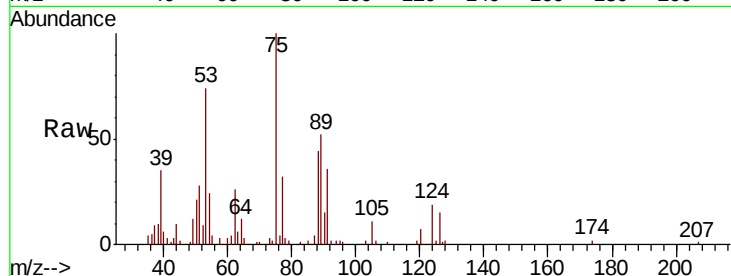
#81
trans-1,4-Dichloro-2-butene
Concen: 21.719 ug/l m
RT: 11.87 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.3	65.9	98.9
89	52.3	38.8	58.2

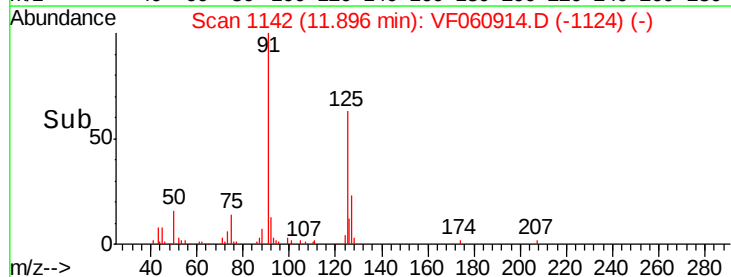
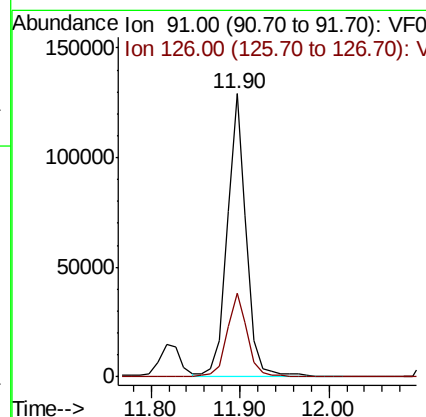
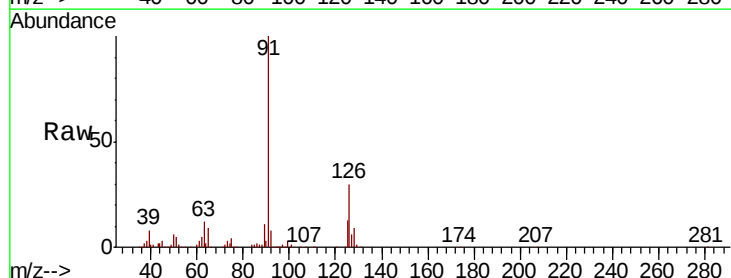
Manual Integrations
APPROVED

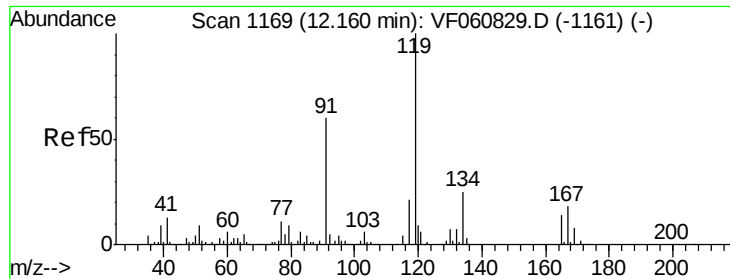
apatel
12/7/2018 12:07:39 PM



#82
4-Chlorotoluene
Concen: 22.119 ug/l
RT: 11.90 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.8	44.4





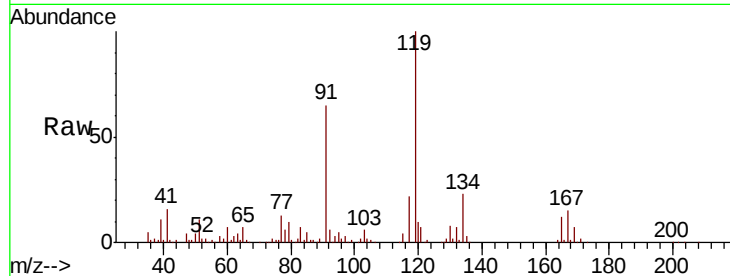
#83
tert-Butylbenzene
Concen: 22.795 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.04 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

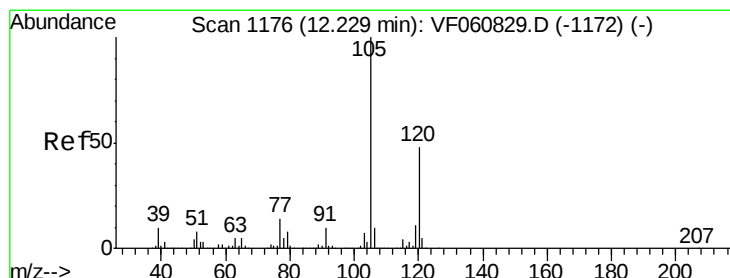
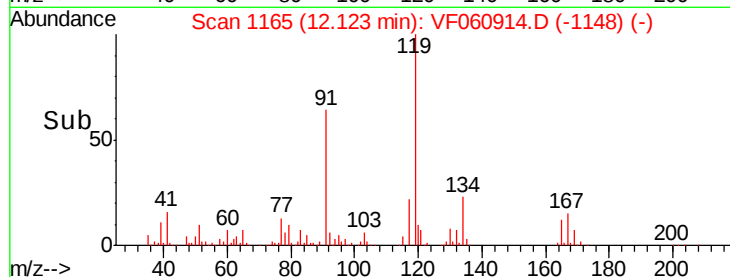
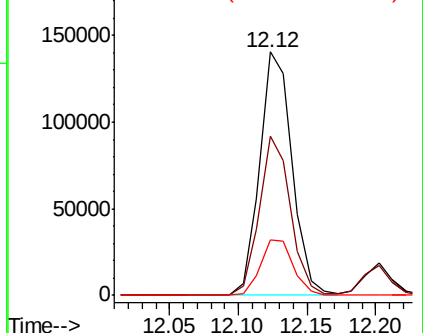
Tot Ion	Ratio	Resp	Lower	Upper
119	100	230958		
91	65.2	30.1	90.3	
134	22.8	12.6	37.8	

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM

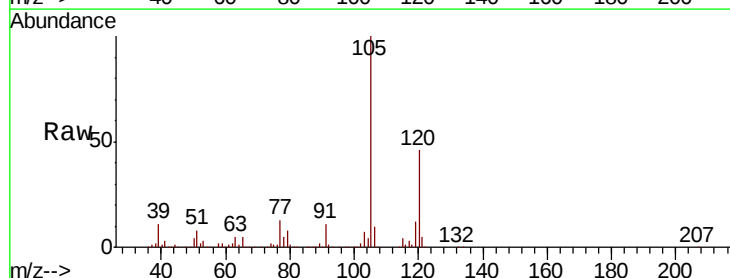


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

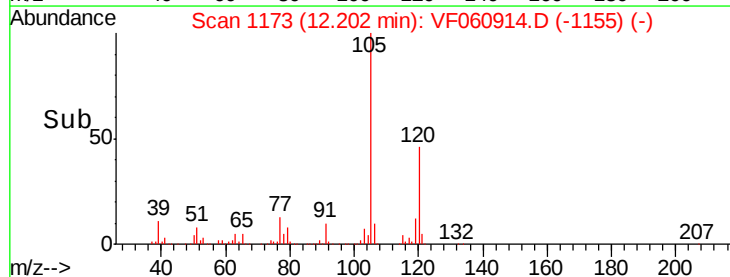
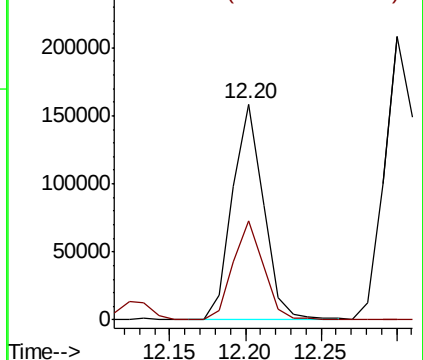


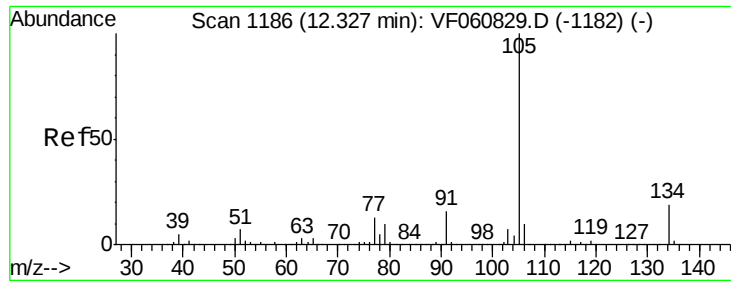
#84
1,2,4-Trimethylbenzene
Concen: 22.788 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226216		
120	45.8	23.8	71.5	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





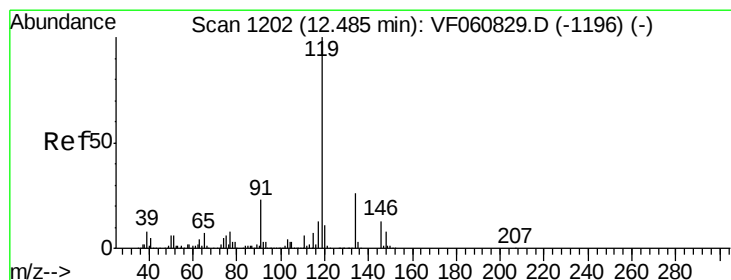
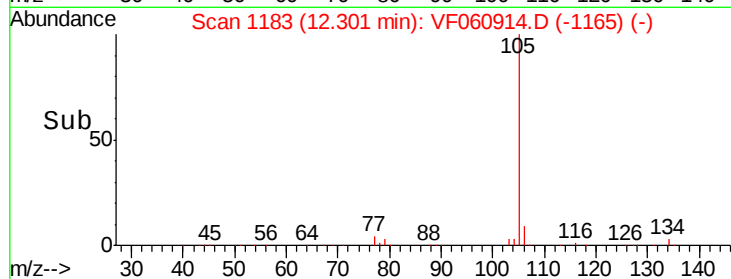
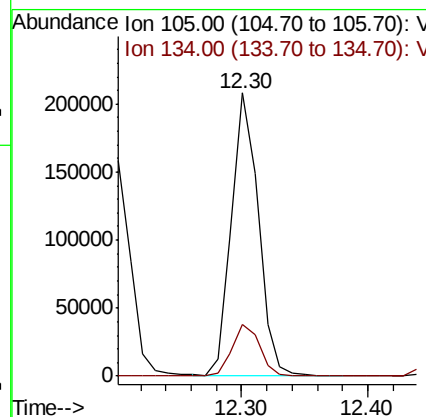
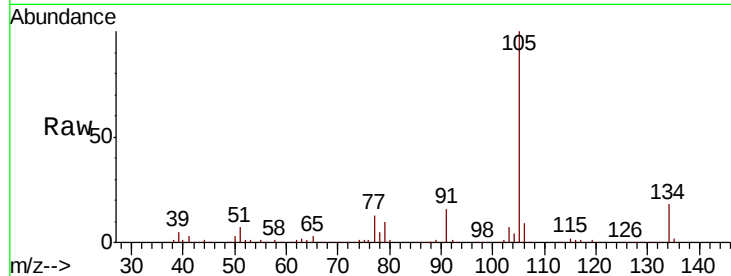
#85
 sec-Butylbenzene
 Concen: 22.112 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion:105 Resp: 306693
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.5 28.5

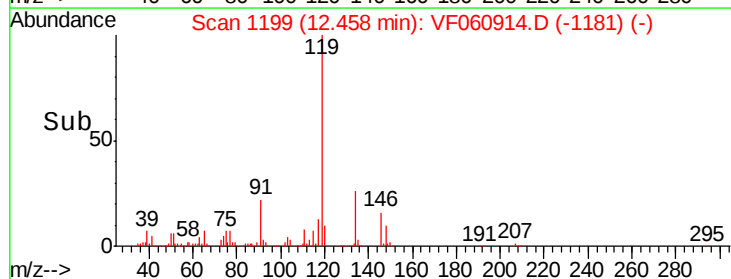
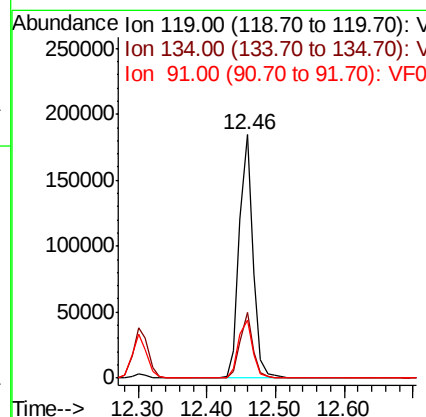
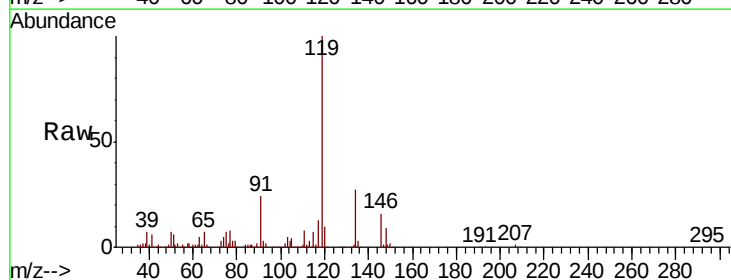
Manual Integrations
 APPROVED

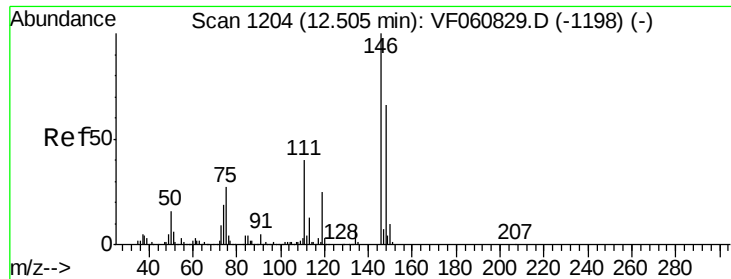
apatel
 12/7/2018 12:07:39 PM



#86
 p-Isopropyltoluene
 Concen: 21.878 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion:119 Resp: 254407
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.6
 91 23.9 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 21.473 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Instrument :

MSVOA_F

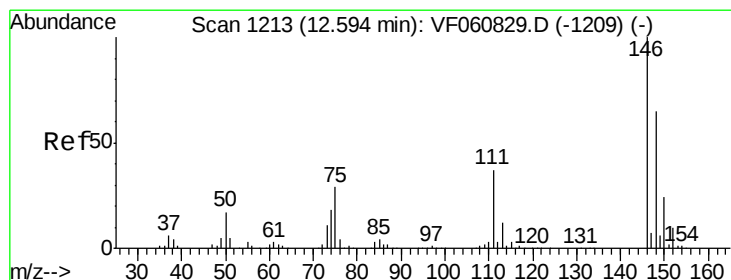
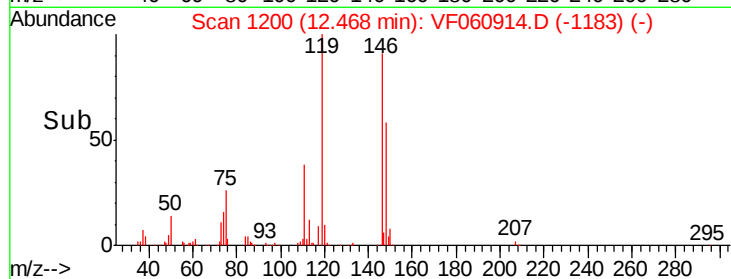
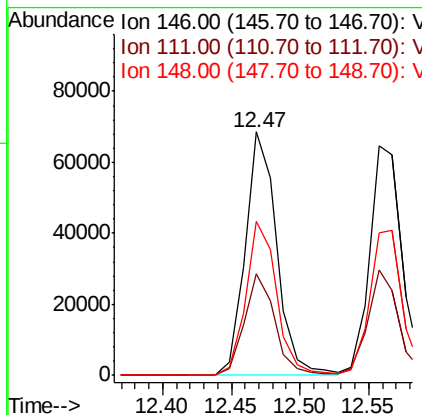
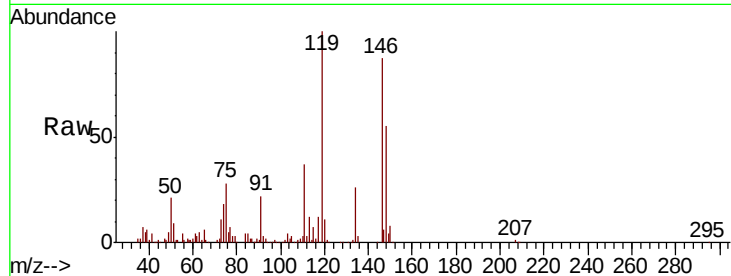
ClientSampleId :

VF1206SBSD01

Tot Ion:	146	Resp:	109716
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.0	59.9
148	63.5	32.9	98.6

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#88

1,4-Dichlorobenzene

Concen: 21.432 ug/l

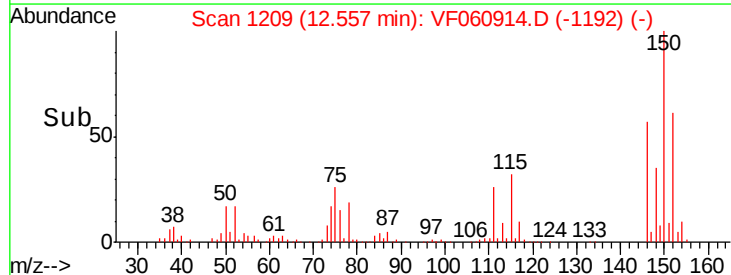
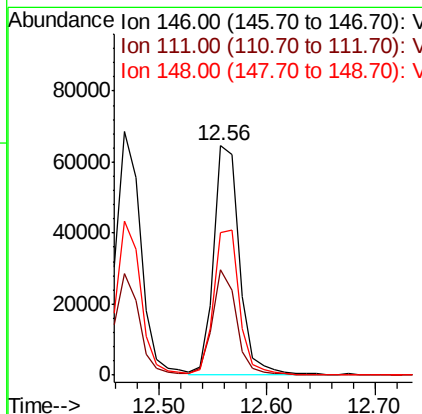
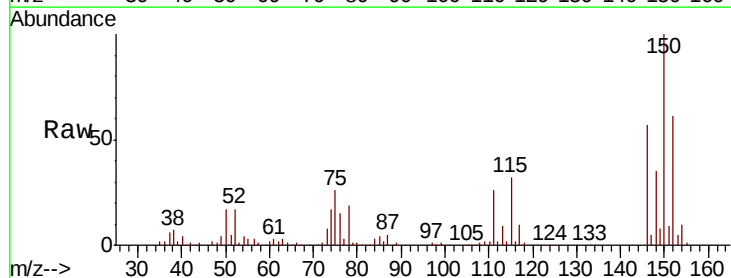
RT: 12.56 min Scan# 1209

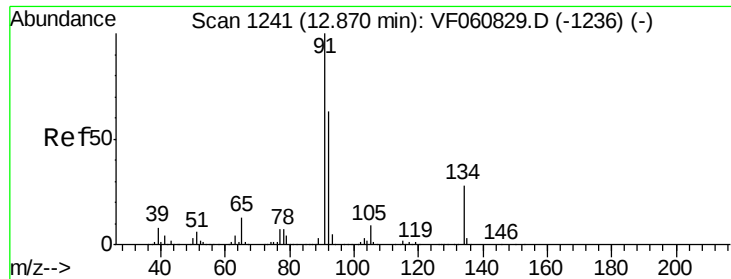
Delta R.T. -0.04 min

Lab File: VF060914.D

Acq: 6 Dec 2018 13:45

Tgt Ion:	146	Resp:	106718
Ion Ratio	Lower	Upper	
146	100		
111	46.0	18.9	56.7
148	61.9	32.3	96.9





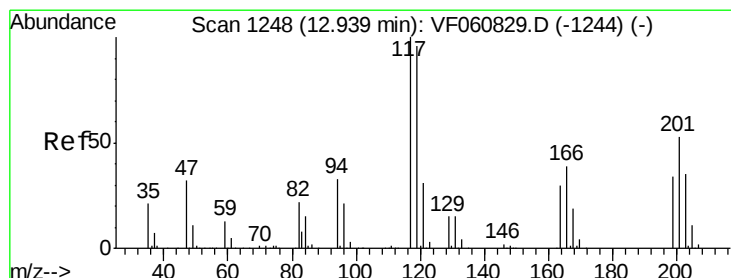
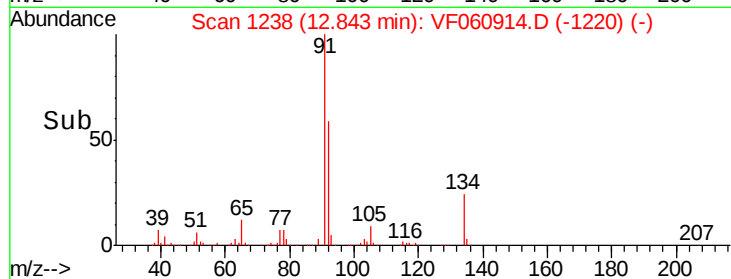
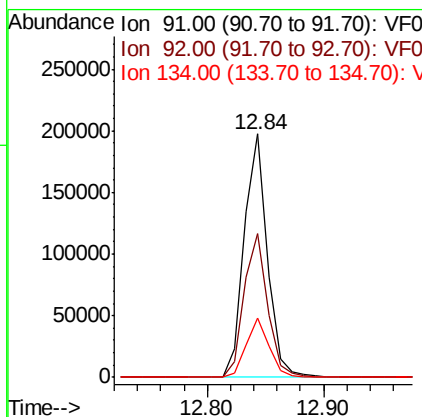
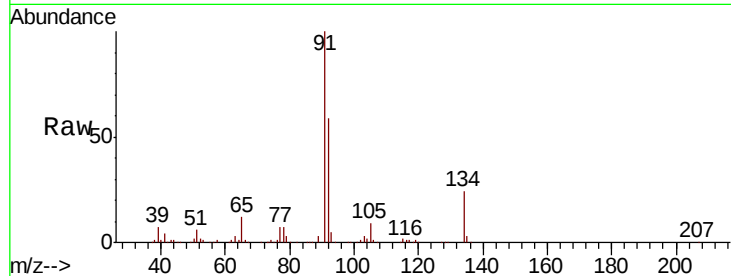
#89
n-Butylbenzene
Concen: 23.191 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.1	31.6	94.7
134	24.1	13.8	41.4

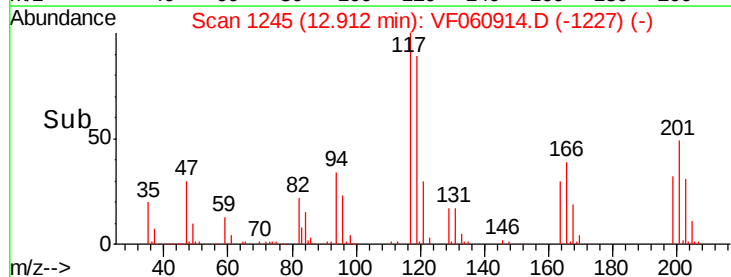
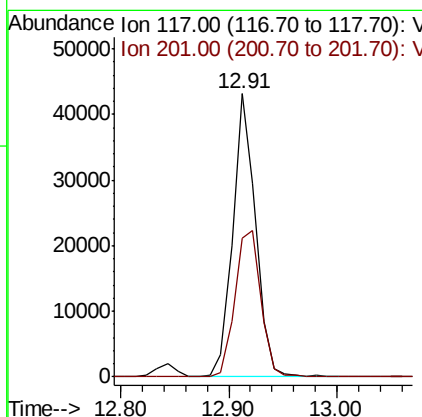
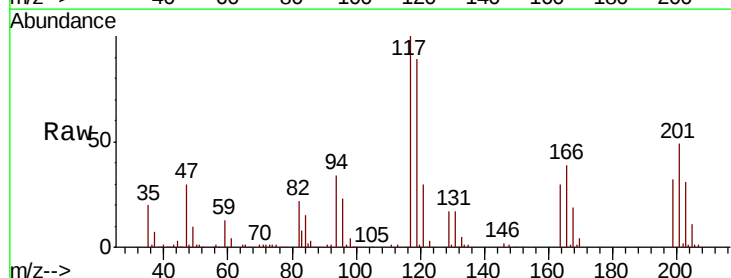
Manual Integrations
APPROVED

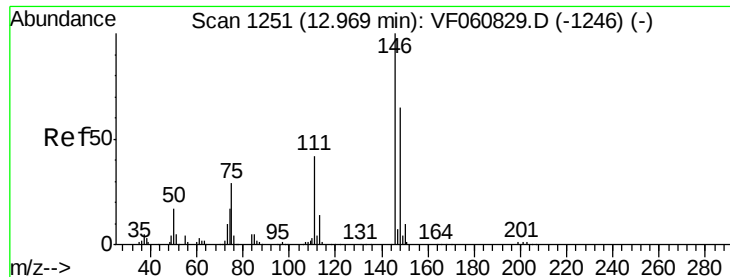
apatel
12/7/2018 12:07:39 PM



#90
Hexachloroethane
Concen: 22.618 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	49.2	26.7	80.1





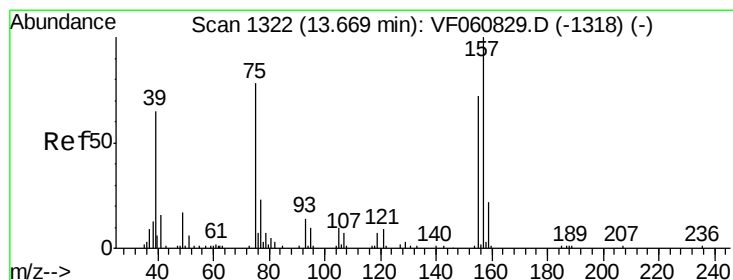
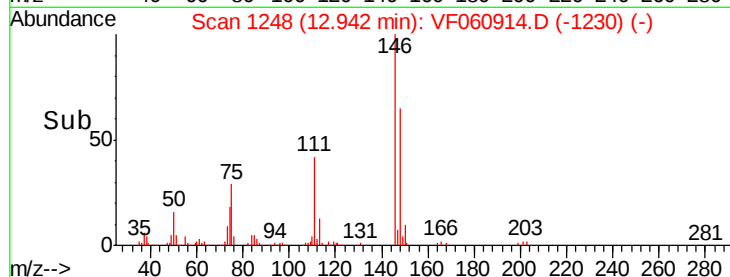
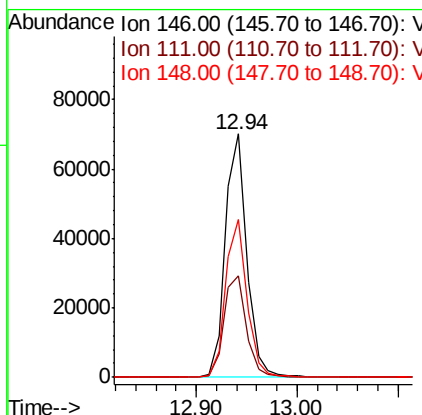
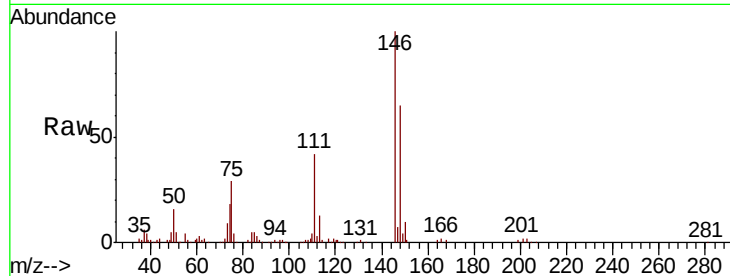
#91
 1,2-Dichlorobenzene
 Concen: 21.483 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.2	63.6
148	64.6	32.5	97.5

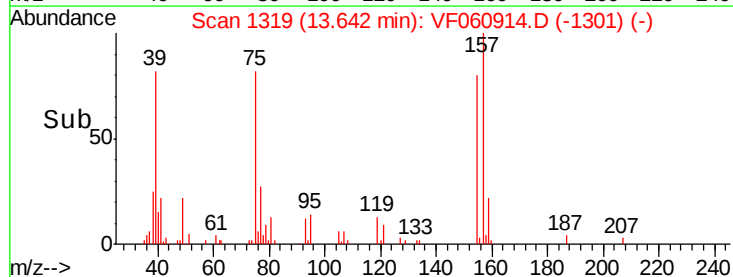
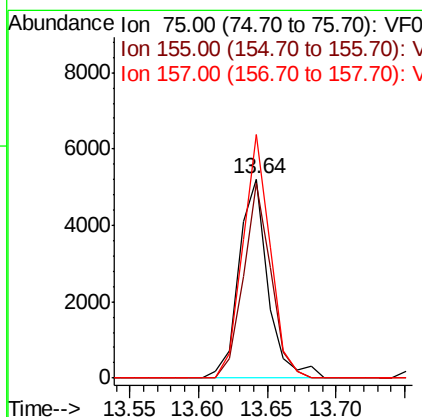
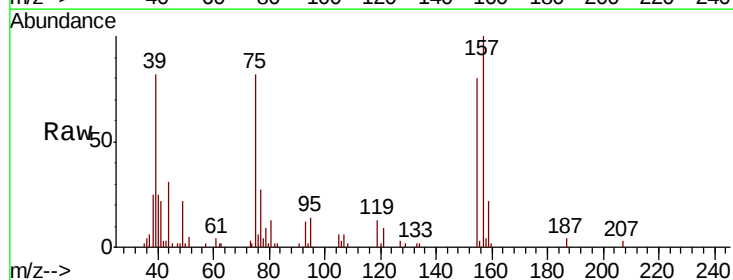
Manual Integrations
 APPROVED

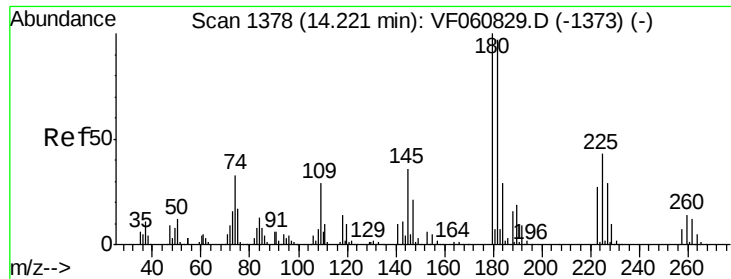
apatel
 12/7/2018 12:07:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.764 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	45.6	136.9
157	122.3	63.8	191.5





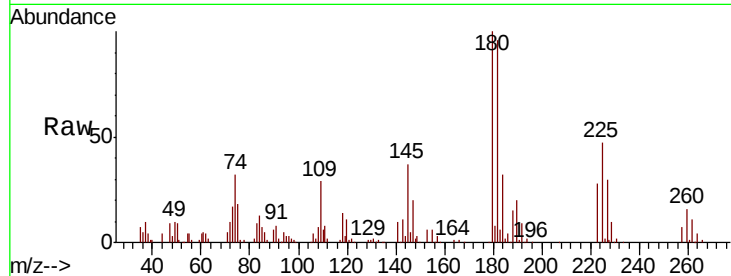
#93
 1,2,4-Trichlorobenzene
 Concen: 22.887 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	77378		
182	95.9	48.5	145.5	
145	37.2	18.1	54.3	

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:07:39 PM

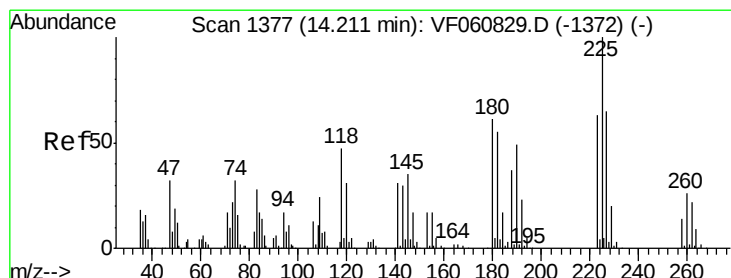
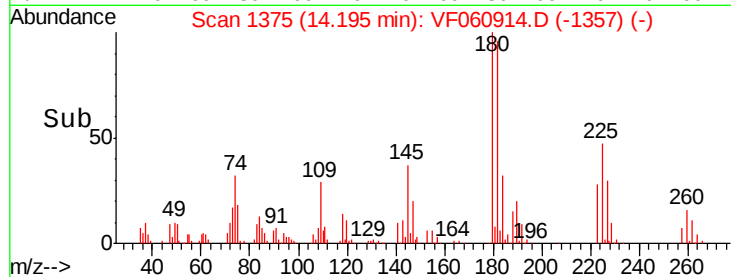
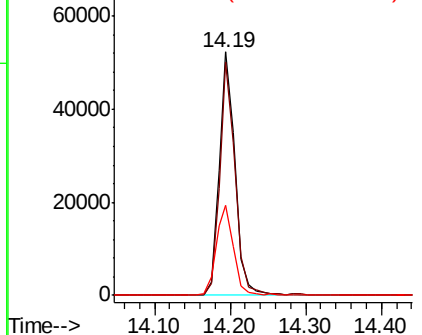


Abundance

Ion 180.00 (179.70 to 180.70): V

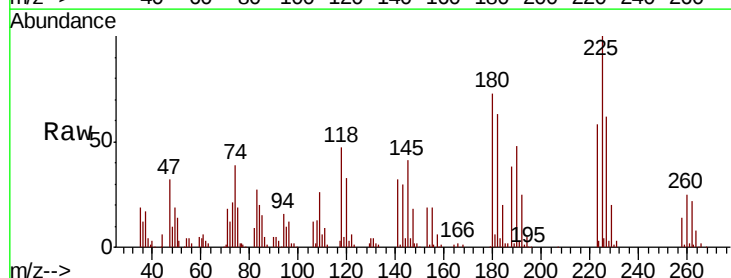
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.838 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060914.D
 Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49217		
223	58.3	31.4	94.3	
227	61.5	32.5	97.5	

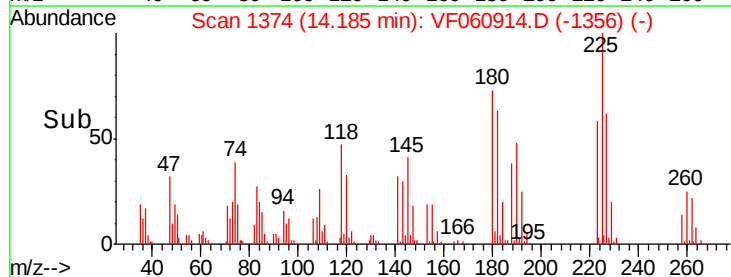
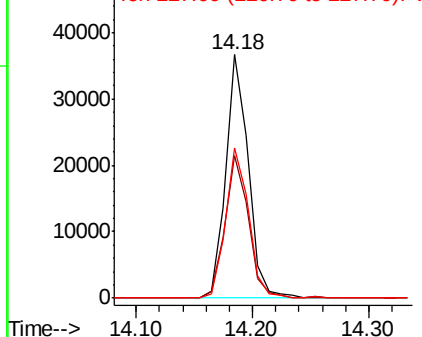


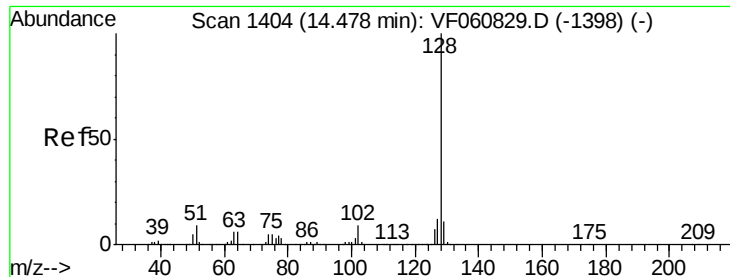
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





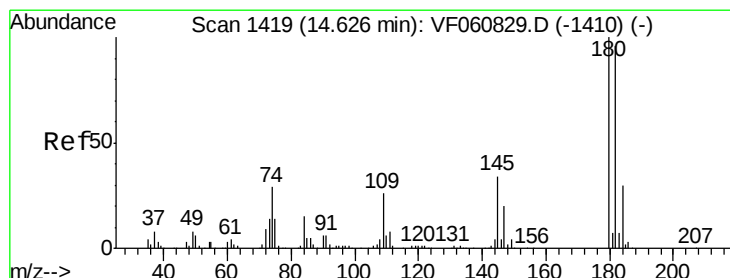
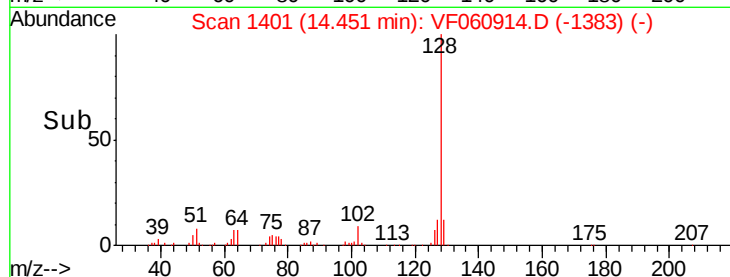
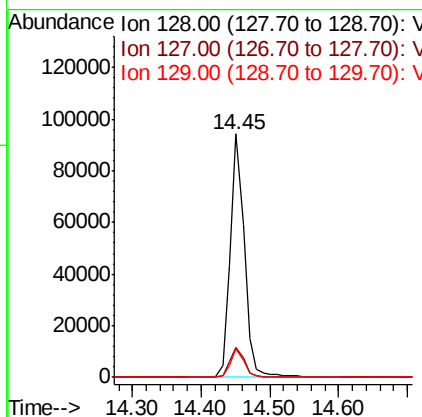
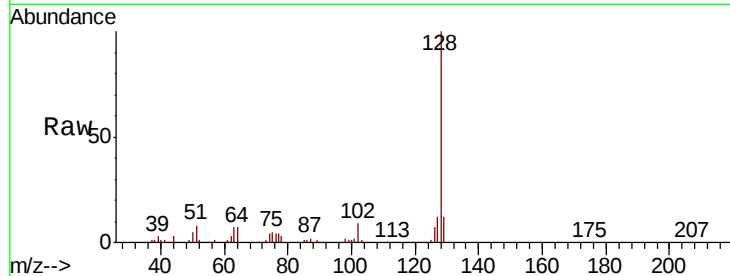
#95
Naphthalene
Concen: 18.201 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.7	9.1	13.7

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.976 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF060914.D
Acq: 6 Dec 2018 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.9	143.8
145	36.4	17.2	51.5

