

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010820\
 Data File : VW014553.D
 Acq On : 08 Jan 2020 11:36
 Operator : SY/VA
 Sample : VW0108SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

Manual Integrations
 APPROVED

apatel
 1/9/2020 9:28:58 AM

Quant Time: Jan 08 13:03:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	720089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1085520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	938882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	467579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	320977	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.88	113	331337	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	10.32	98	1362221	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.62	95	460407	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	89477	22.007	ug/l	97
3) Chloromethane	2.21	50	113446	22.796	ug/l	99
4) Vinyl Chloride	2.36	62	163823	22.381	ug/l	100
5) Bromomethane	2.77	94	104090	23.020	ug/l	100
6) Chloroethane	2.92	64	92583	22.189	ug/l	99
7) Trichlorofluoromethane	3.25	101	70002	19.114	ug/l	99
8) Diethyl Ether	3.68	74	71435	19.604	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142696	20.853	ug/l	98
10) Methyl Iodide	4.28	142	222868	21.586	ug/l	99
11) Tert butyl alcohol	5.15	59	43731	73.936	ug/l	100
12) 1,1-Dichloroethene	4.04	96	153792	21.461	ug/l	96
13) Acrolein	3.89	56	47685	86.778	ug/l	100
14) Allyl chloride	4.66	41	233749	21.346	ug/l	99
15) Acrylonitrile	5.36	53	149366	89.677	ug/l	100
16) Acetone	4.11	43	151842	85.413	ug/l	100
17) Carbon Disulfide	4.38	76	456979	21.158	ug/l	98
18) Methyl Acetate	4.67	43	76436	17.803	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	181550	20.410	ug/l	94
20) Methylene Chloride	4.91	84	173465	21.554	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	163257	21.456	ug/l	99
22) Diisopropyl ether	6.31	45	445065	21.714	ug/l	98
23) Vinyl Acetate	6.24	43	1204411	97.309	ug/l	100
24) 1,1-Dichloroethane	6.21	63	280380	21.686	ug/l	99
25) 2-Butanone	7.17	43	193956	85.016	ug/l	100
26) 2,2-Dichloropropane	7.16	77	152933	21.365	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	172464	21.571	ug/l	99
28) Bromochloromethane	7.51	49	95601	18.860	ug/l	98
29) Tetrahydrofuran	7.52	42	120876	85.524	ug/l	99
30) Chloroform	7.67	83	261510	21.629	ug/l	100
31) Cyclohexane	7.95	56	274113	20.401	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	207176	21.306	ug/l	100
36) 1,1-Dichloropropene	8.07	75	223090	21.318	ug/l	99
37) Ethyl Acetate	7.24	43	87129	18.358	ug/l	98
38) Carbon Tetrachloride	8.07	117	186773	20.572	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010820\
 Data File : VW014553.D
 Acq On : 08 Jan 2020 11:36
 Operator : SY/VA
 Sample : VW0108SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

Manual Integrations
 APPROVED

apatel
 1/9/2020 9:28:58 AM

Quant Time: Jan 08 13:03:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	268058	19.960	ug/l	99
40) Benzene	8.32	78	641157	21.654	ug/l	99
41) Methacrylonitrile	7.48	41	45967	17.374	ug/l	98
42) 1,2-Dichloroethane	8.40	62	157094	20.445	ug/l	100
43) Isopropyl Acetate	8.42	43	160328	18.603	ug/l	99
44) Trichloroethene	9.09	130	171647	21.424	ug/l	98
45) 1,2-Dichloropropane	9.37	63	155998	21.470	ug/l	99
46) Dibromomethane	9.46	93	70884	19.762	ug/l	98
47) Bromodichloromethane	9.64	83	185062	20.898	ug/l	98
48) Methyl methacrylate	9.43	41	69744	16.575	ug/l	90
49) 1,4-Dioxane	9.45	88	21506	320.569	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	398796	89.104	ug/l	100
52) Toluene	10.38	92	403659	21.670	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	183000	19.959	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	235102	20.980	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	104941	20.032	ug/l	96
56) Ethyl methacrylate	10.64	69	129899	19.080	ug/l	98
57) 1,3-Dichloropropane	10.93	76	183583	19.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	187850	90.725	ug/l	100
59) 2-Hexanone	10.96	43	265737	86.164	ug/l	99
60) Dibromochloromethane	11.12	129	117903	19.948	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96382	19.383	ug/l	98
64) Tetrachloroethene	10.86	164	142417	20.952	ug/l	98
65) Chlorobenzene	11.65	112	414791	21.565	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	138105	21.325	ug/l	99
67) Ethyl Benzene	11.73	91	745278	21.500	ug/l	99
68) m/p-Xylenes	11.84	106	573228	43.208	ug/l	99
69) o-Xylene	12.16	106	263708	21.519	ug/l	100
70) Styrene	12.18	104	450971	21.757	ug/l	100
71) Bromoform	12.35	173	67577	19.130	ug/l #	98
73) Isopropylbenzene	12.46	105	726736	21.182	ug/l	100
74) N-amyl acetate	12.27	43	139004	18.070	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115996	18.732	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68407m	15.474	ug/l	
77) Bromobenzene	12.74	156	169411	21.260	ug/l	95
78) n-propylbenzene	12.80	91	869899	21.562	ug/l	99
79) 2-Chlorotoluene	12.89	91	488500	21.278	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	616618	21.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36440	18.365	ug/l	97
82) 4-Chlorotoluene	12.99	91	512899	21.503	ug/l	99
83) tert-Butylbenzene	13.20	119	527693	20.923	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	615753	21.480	ug/l	99
85) sec-Butylbenzene	13.38	105	743522	21.298	ug/l	99
86) p-Isopropyltoluene	13.49	119	685032	21.528	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	329012	21.233	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	326908	21.370	ug/l	99
89) n-Butylbenzene	13.82	91	631032	21.355	ug/l	99
90) Hexachloroethane	14.09	117	115008	20.689	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	286752	21.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18228	18.588	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010820\
Data File : VW014553.D
Acq On : 08 Jan 2020 11:36
Operator : SY/VA
Sample : VW0108SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

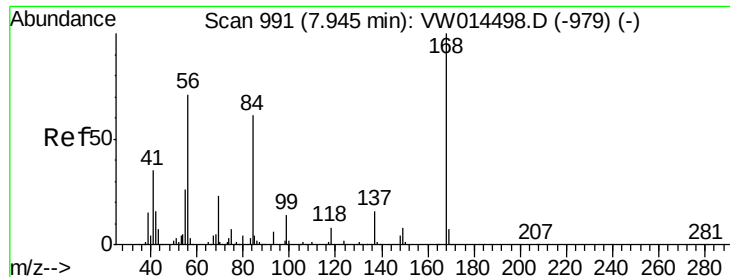
Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM

Quant Time: Jan 08 13:03:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	193730	21.065	ug/l	99
94) Hexachlorobutadiene	15.24	225	132728	21.535	ug/l	98
95) Naphthalene	15.36	128	284221	18.121	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	162412	20.259	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 168 Resp: 720089

Ion Ratio Lower Upper

168 100

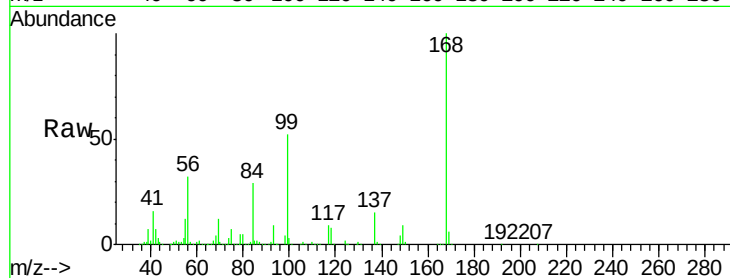
99 52.1 41.1 61.7

Manual Integrations

APPROVED

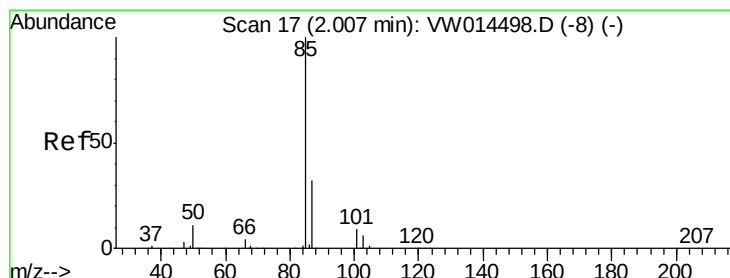
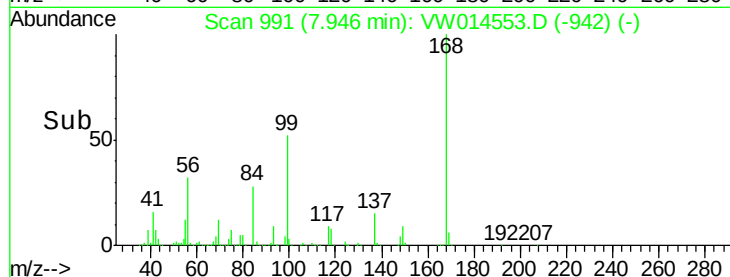
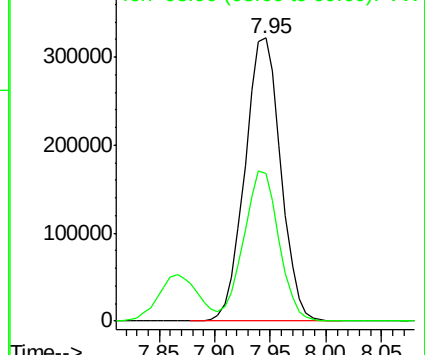
apatel

1/9/2020 9:28:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.007 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014553.D

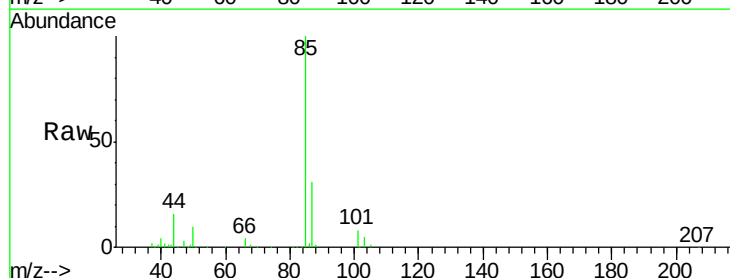
Acq: 08 Jan 2020 11:36

Tgt Ion: 85 Resp: 89477

Ion Ratio Lower Upper

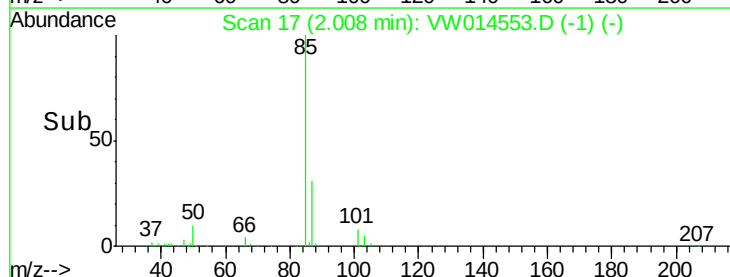
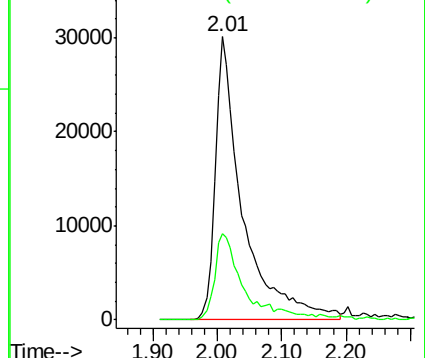
85 100

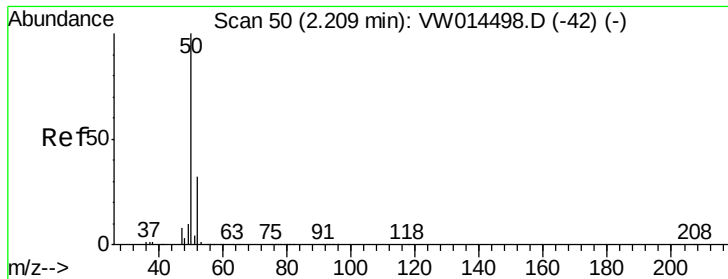
87 30.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.796 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 50 Resp: 113446

Ion Ratio Lower Upper

50 100

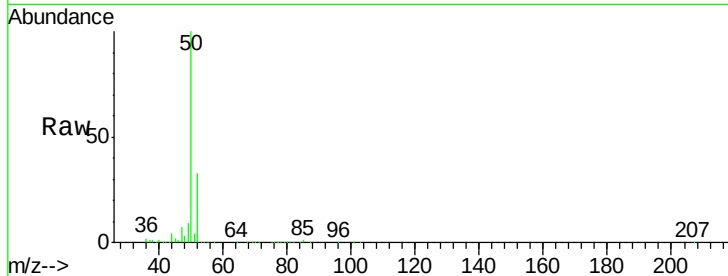
52 32.8 25.8 38.8

Manual Integrations

APPROVED

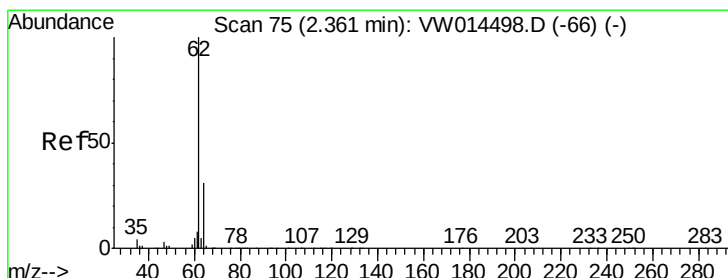
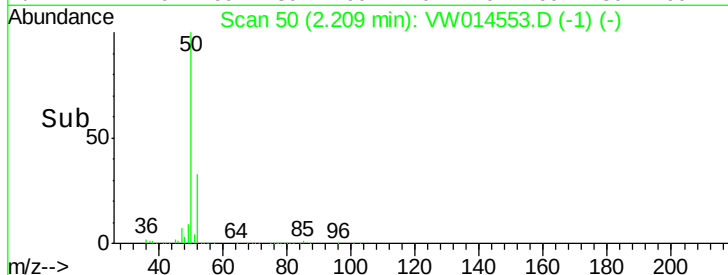
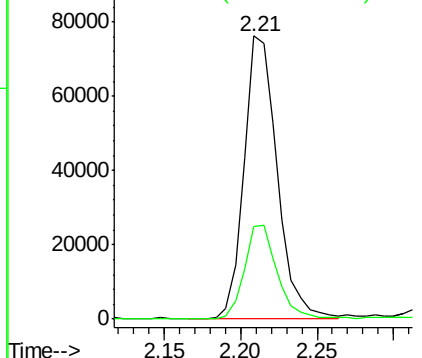
apatel

1/9/2020 9:28:58 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 22.381 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014553.D

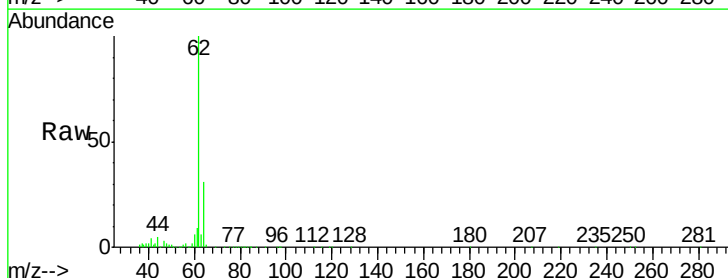
Acq: 08 Jan 2020 11:36

Tgt Ion: 62 Resp: 163823

Ion Ratio Lower Upper

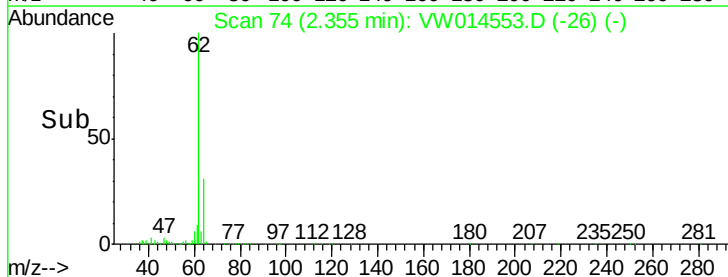
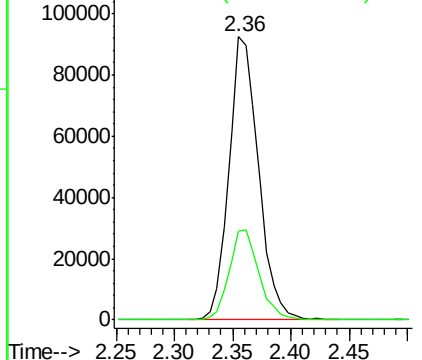
62 100

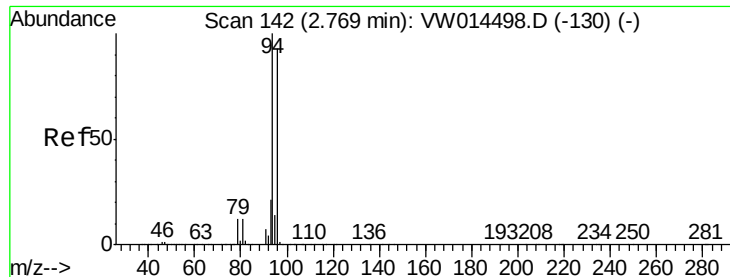
64 31.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.020 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 94 Resp: 104090

Ion Ratio Lower Upper

94 100

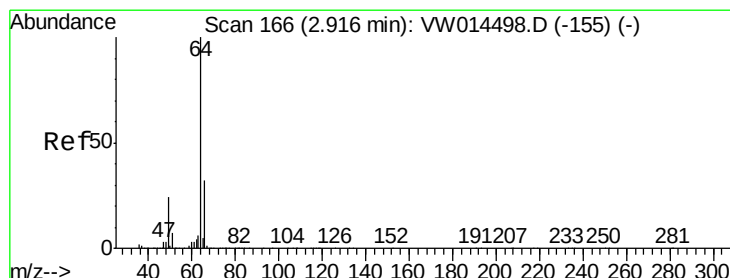
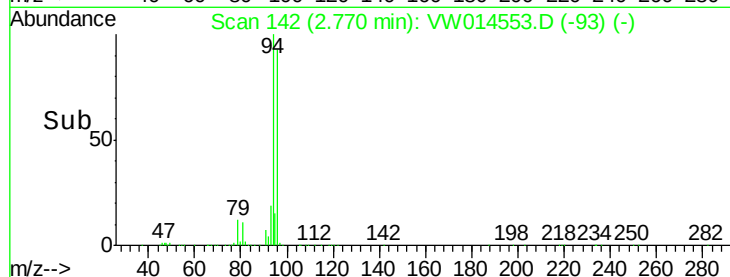
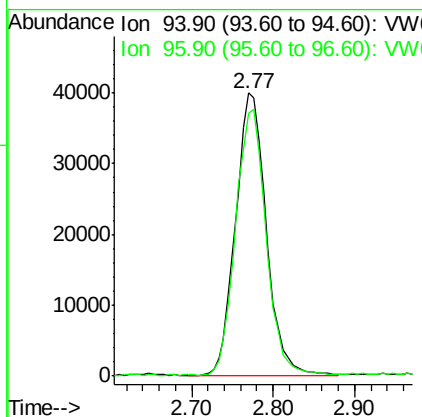
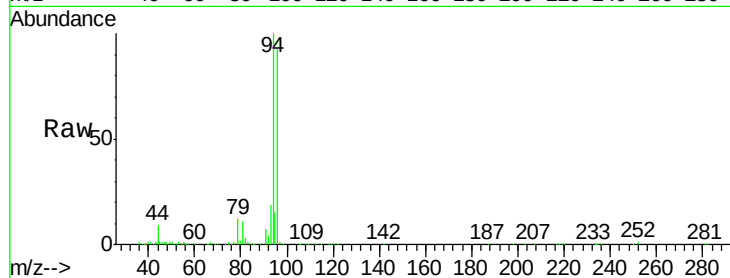
96 92.2 74.2 111.2

Manual Integrations

APPROVED

apatel

1/9/2020 9:28:58 AM



#6

Chloroethane

Concen: 22.189 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014553.D

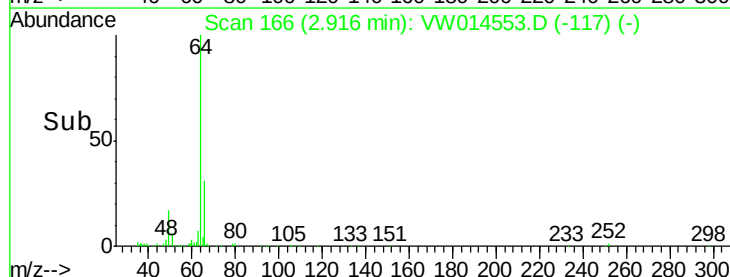
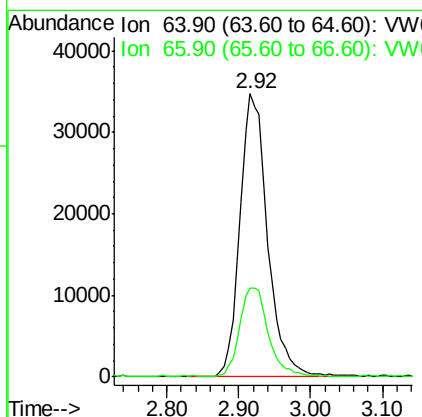
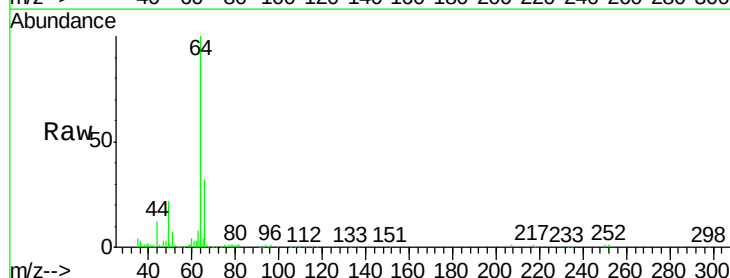
Acq: 08 Jan 2020 11:36

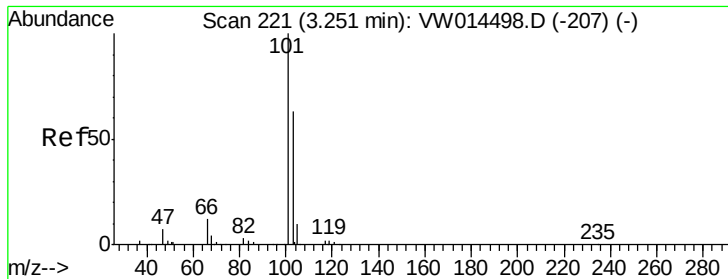
Tgt Ion: 64 Resp: 92583

Ion Ratio Lower Upper

64 100

66 31.4 25.7 38.5





#7

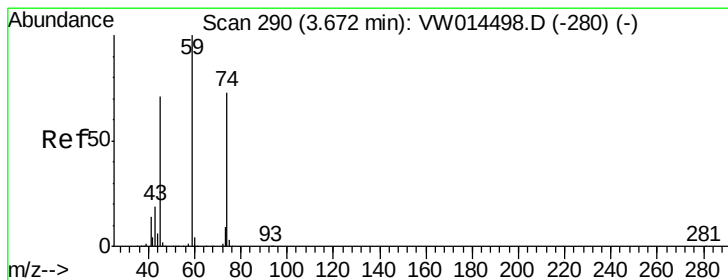
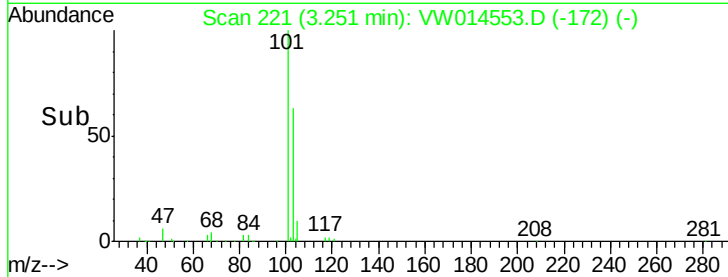
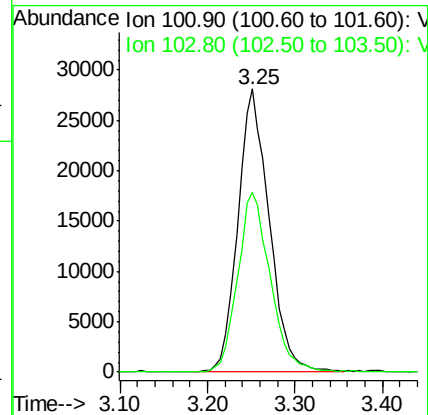
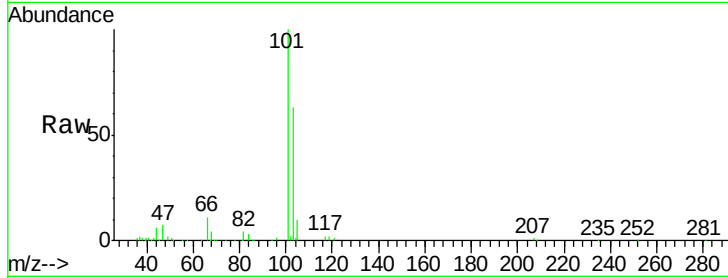
Trichlorofluoromethane
 Concen: 19.114 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.1	75.1

Manual Integrations
 APPROVED

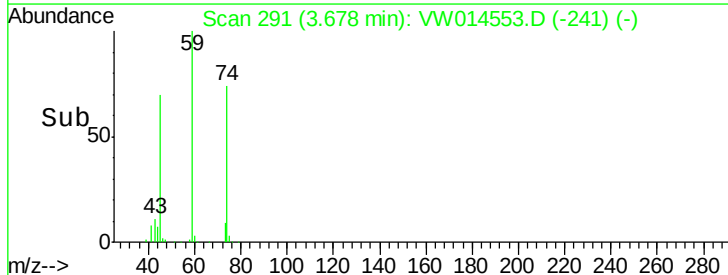
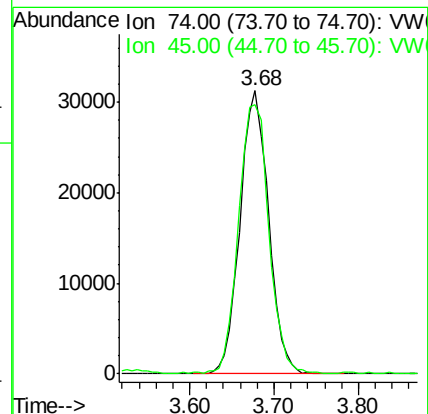
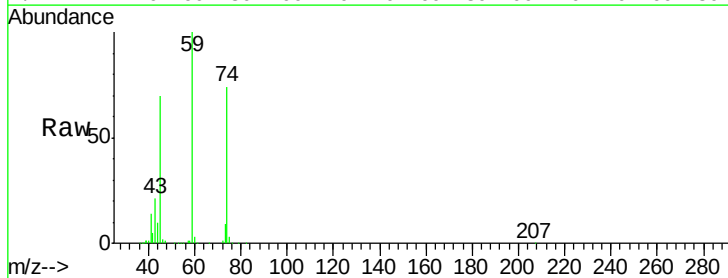
apatel
 1/9/2020 9:28:58 AM

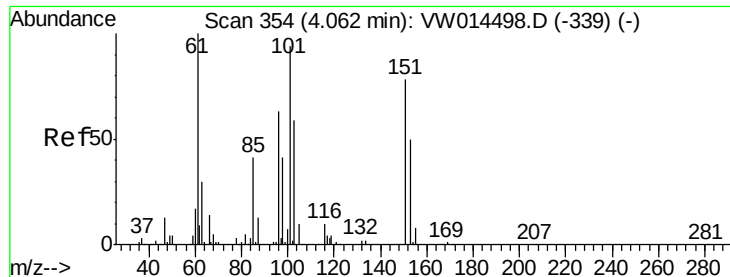


#8

Diethyl Ether
 Concen: 19.604 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.853 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

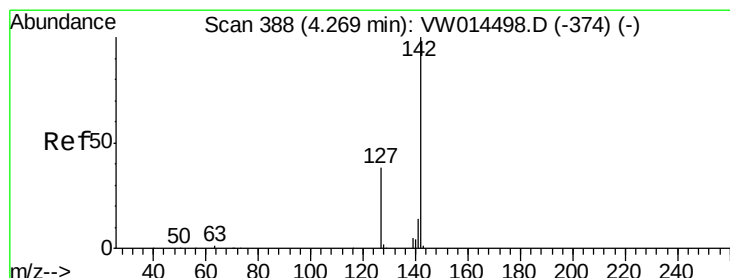
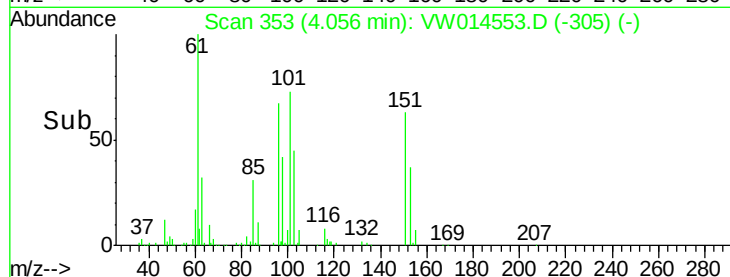
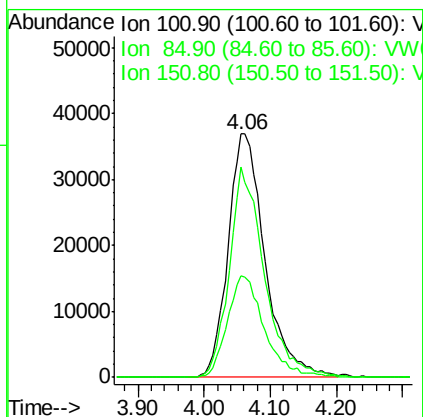
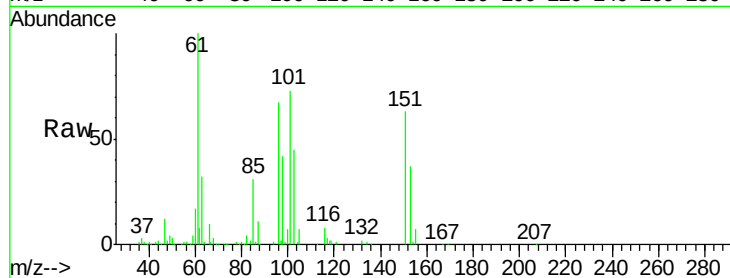
ClientSampleId :

VW0108SBS01

Tgt Ion:	101	Resp:	142696
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	82.3	63.5	95.3

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#10

Methyl Iodide

Concen: 21.586 ug/l

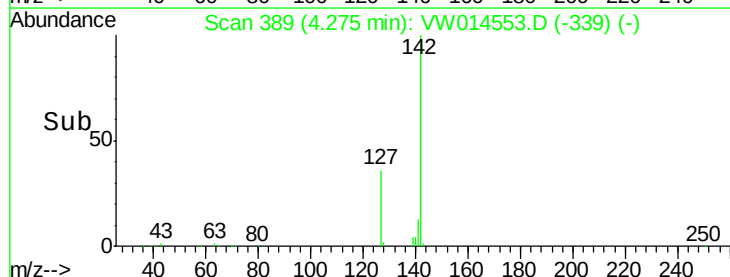
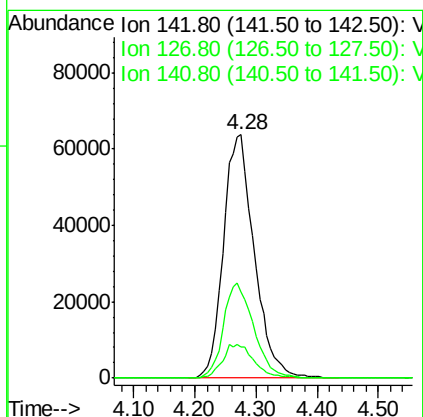
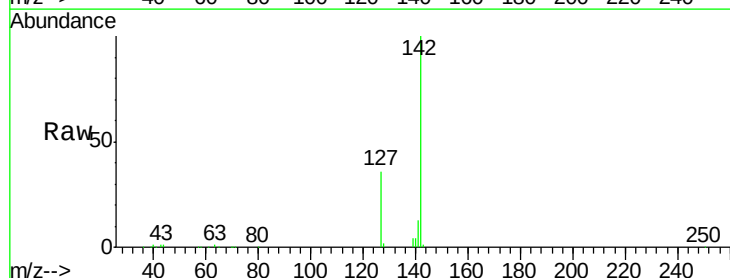
RT: 4.28 min Scan# 389

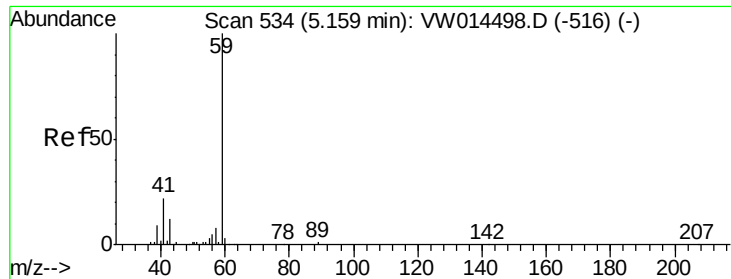
Delta R.T. 0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion:	142	Resp:	222868
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.2	45.4
141	14.3	11.4	17.2





#11

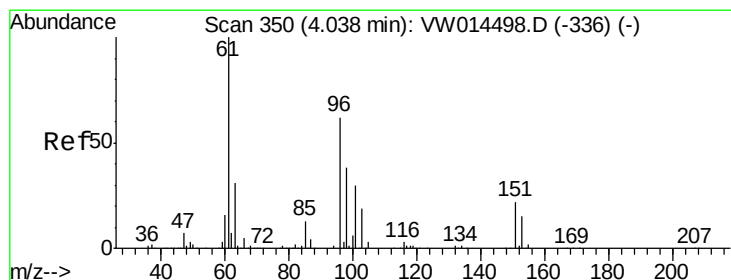
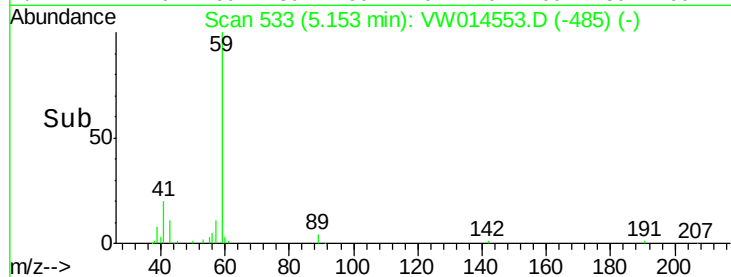
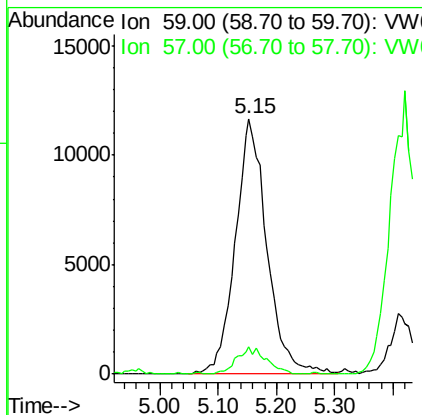
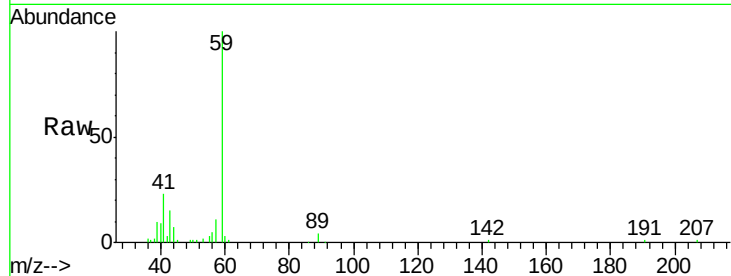
Tert butyl alcohol
Concen: 73.936 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

Manual Integrations
APPROVED

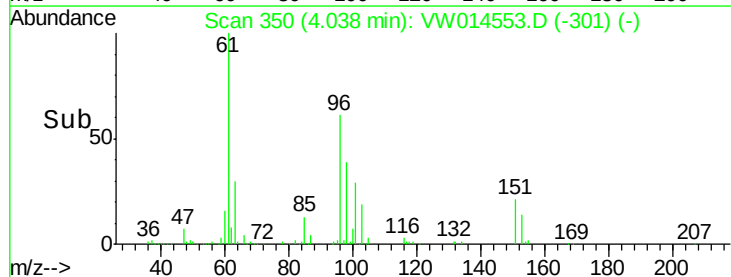
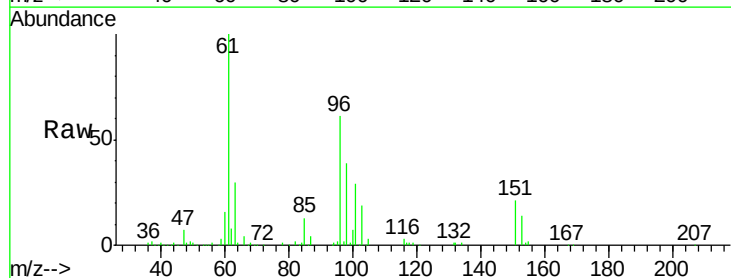
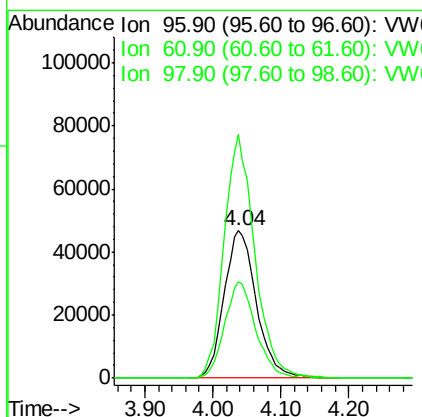
apatel
1/9/2020 9:28:58 AM

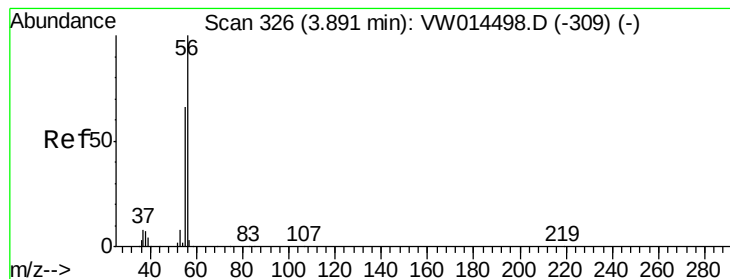


#12

1,1-Dichloroethene
Concen: 21.461 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	128.4	192.6
98	65.3	49.1	73.7





#13

Acrolein

Concen: 86.778 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0108SBS01

Tgt Ion: 56 Resp: 47685

Ion Ratio Lower Upper

56 100

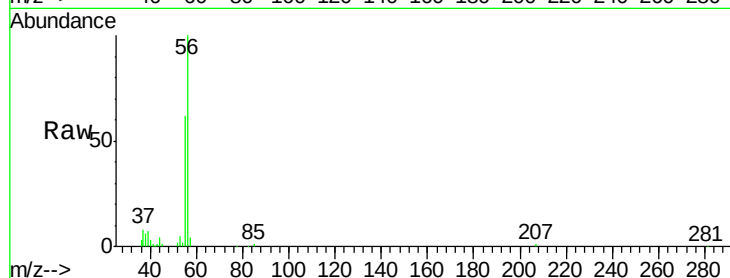
55 70.6 56.7 85.1

Manual Integrations

APPROVED

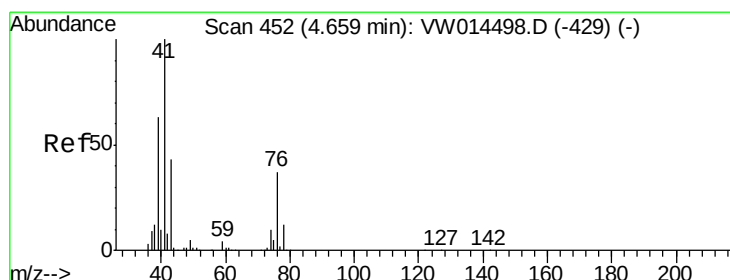
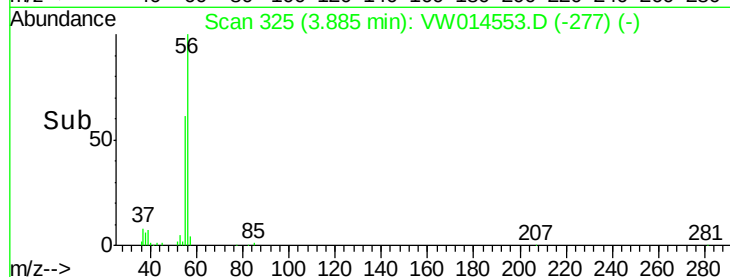
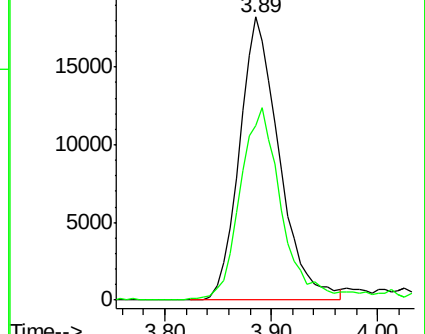
apatel

1/9/2020 9:28:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.346 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

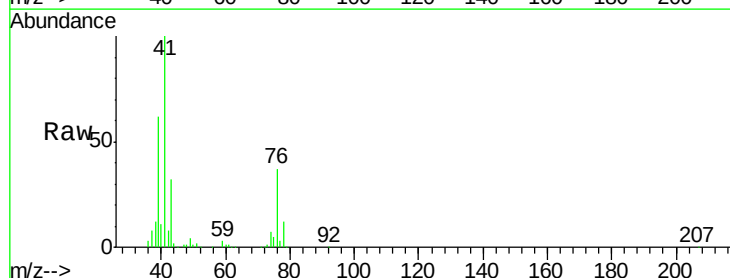
Tgt Ion: 41 Resp: 233749

Ion Ratio Lower Upper

41 100

39 61.4 48.5 72.7

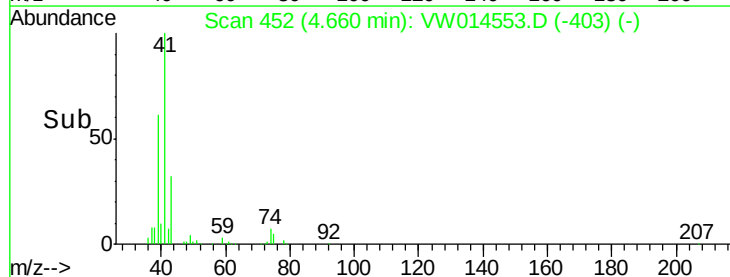
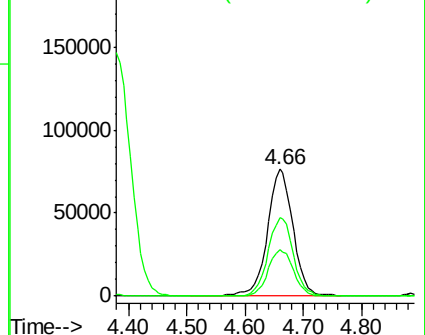
76 36.3 28.1 42.1

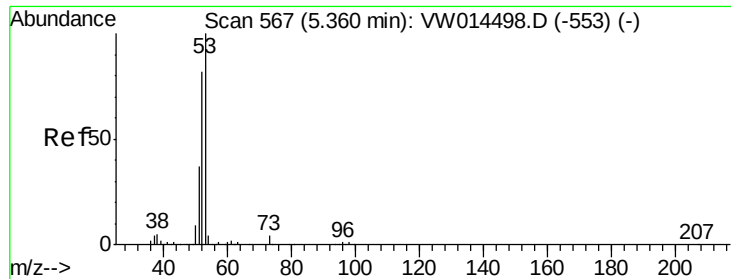


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 89.677 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

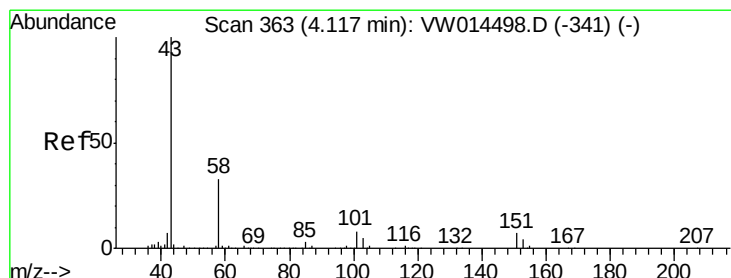
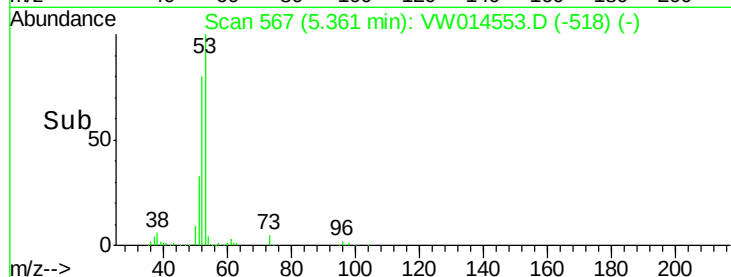
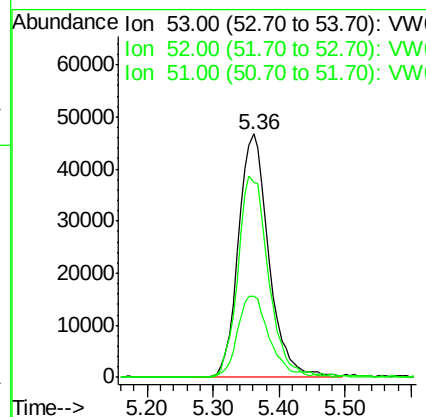
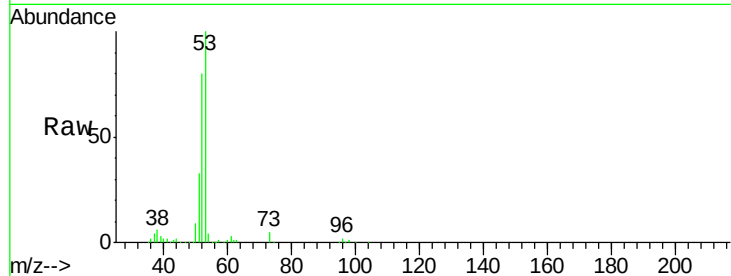
ClientSampleId :

VW0108SBS01

Tgt Ion:	53	Resp:	149366
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.5	99.7
51	35.5	28.4	42.6

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#16

Acetone

Concen: 85.413 ug/l

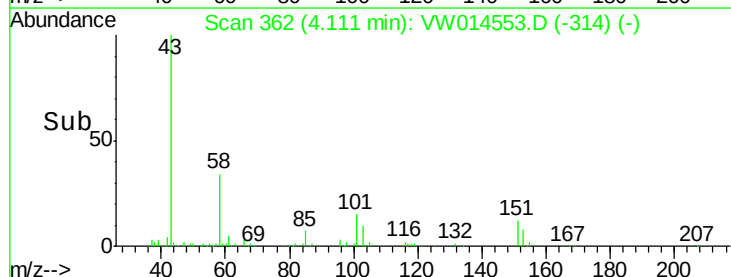
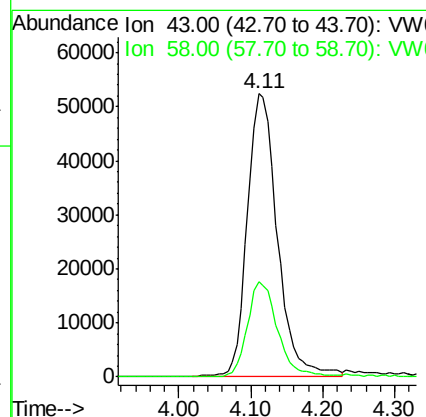
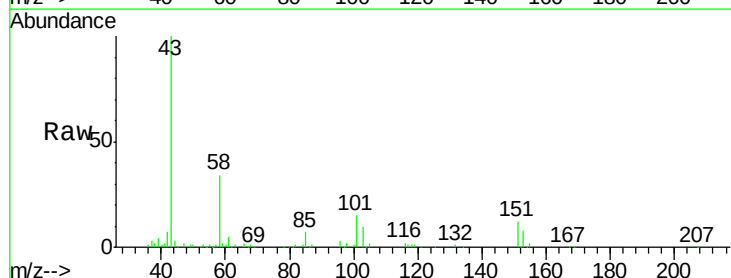
RT: 4.11 min Scan# 362

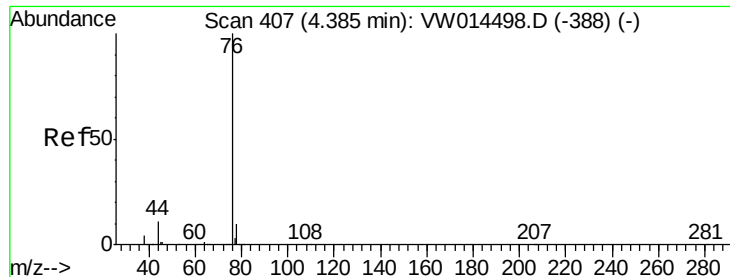
Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion:	43	Resp:	151842
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.6	39.8





#17

Carbon Disulfide

Concen: 21.158 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 76 Resp: 456979

Ion Ratio Lower Upper

76 100

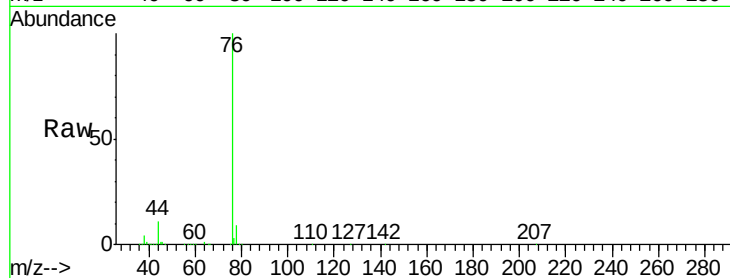
78 9.0 7.8 11.6

Manual Integrations

APPROVED

apatel

1/9/2020 9:28:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

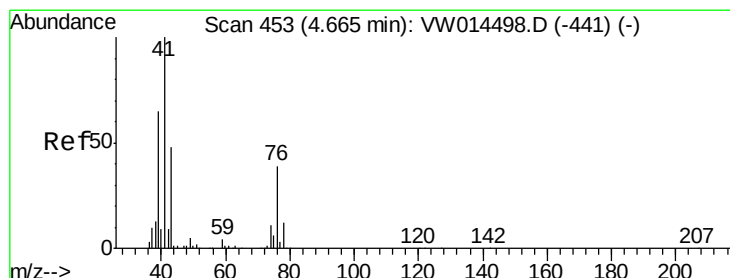
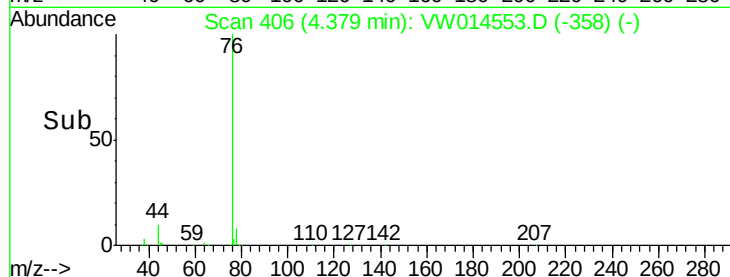
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.803 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014553.D

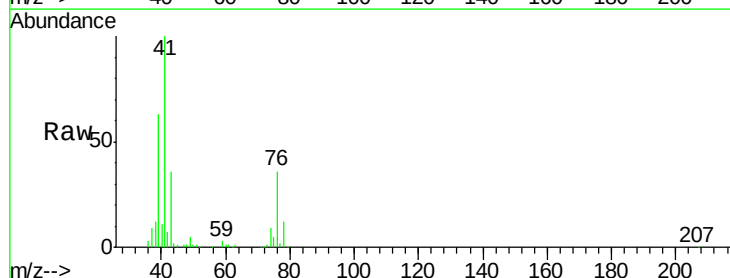
Acq: 08 Jan 2020 11:36

Tgt Ion: 43 Resp: 76436

Ion Ratio Lower Upper

43 100

74 25.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

25000

20000

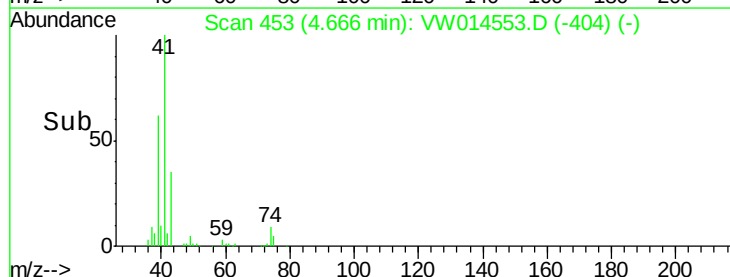
15000

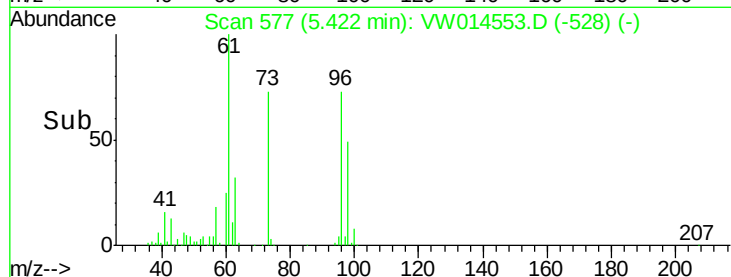
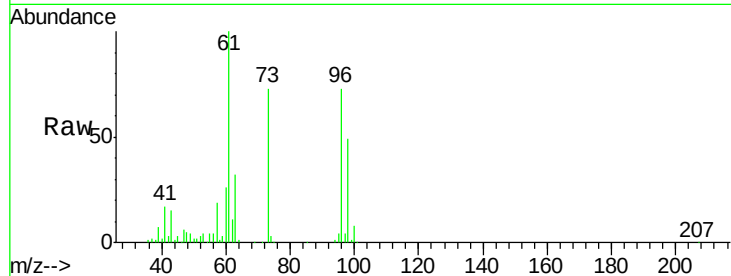
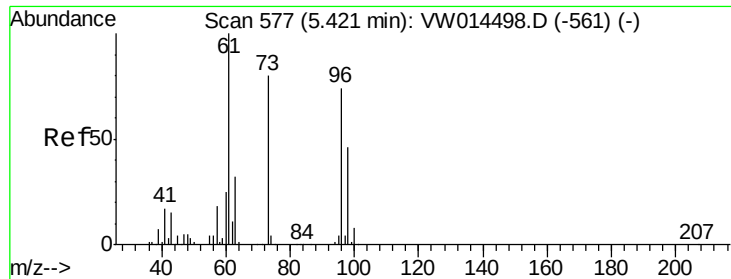
10000

5000

0

Time-->





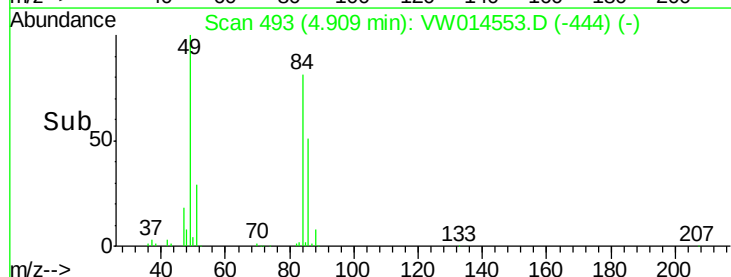
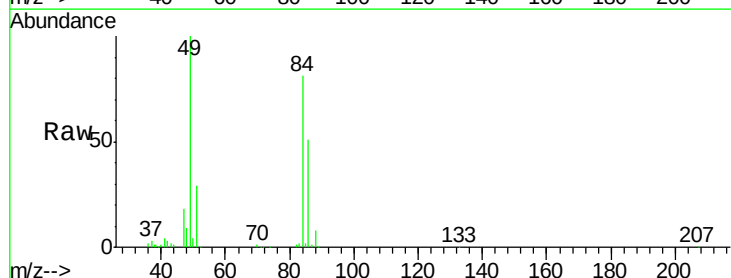
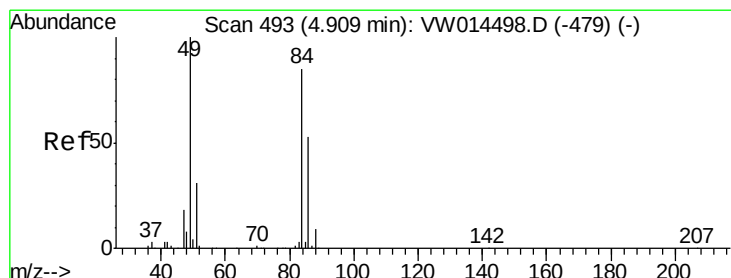
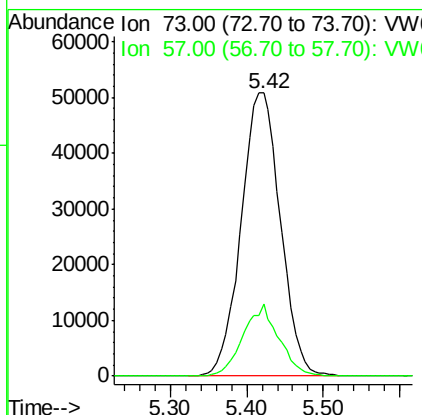
#19
Methyl tert-butyl Ether
Concen: 20.410 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	181550		
57	25.4	18.1	27.1	

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

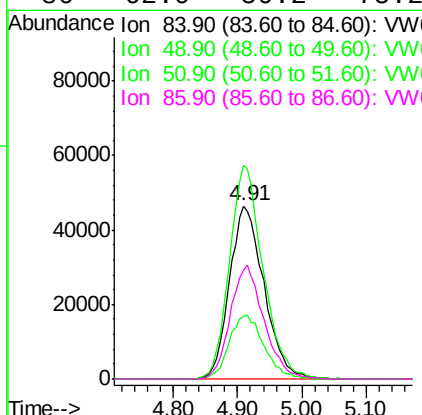
Manual Integrations
APPROVED

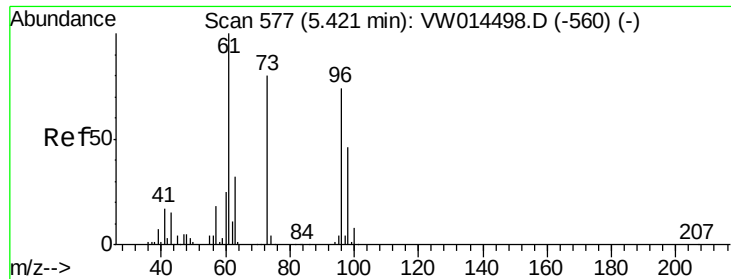
apatel
1/9/2020 9:28:58 AM



#20
Methylene Chloride
Concen: 21.554 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	173465		
49	123.2	94.4	141.6	
51	36.2	29.5	44.3	
86	62.9	50.2	75.2	





#21

trans-1,2-Dichloroethene

Concen: 21.456 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

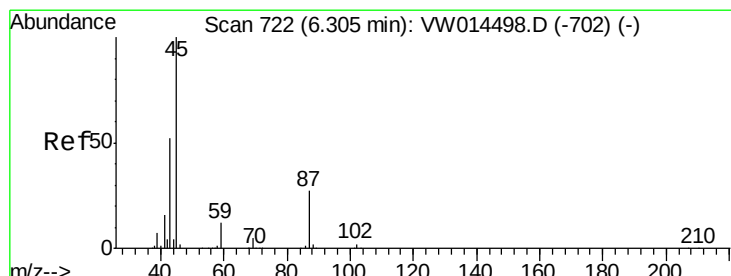
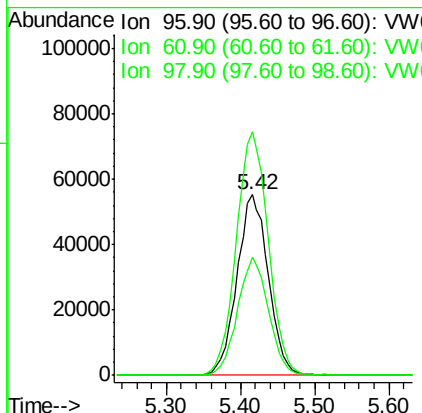
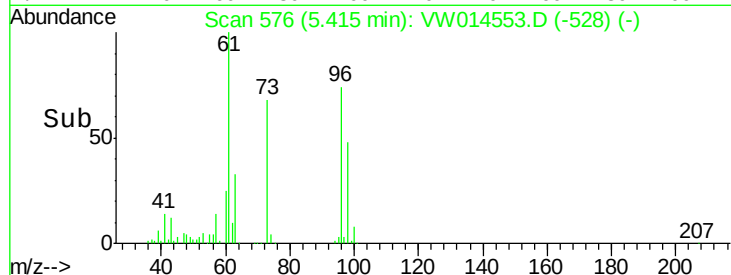
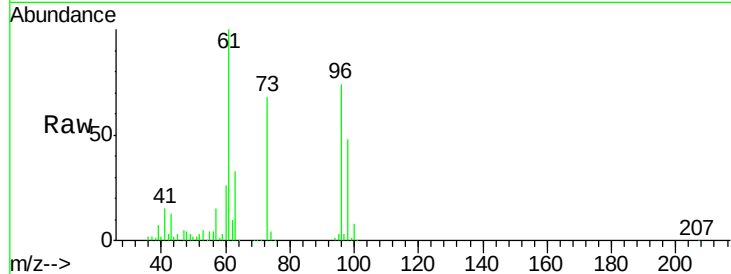
ClientSampled :

VW0108SBS01

Tgt Ion:	96	Resp:	163257
Ion	Ratio	Lower	Upper
96	100		
61	134.8	107.8	161.6
98	65.2	49.4	74.0

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#22

Diisopropyl ether

Concen: 21.714 ug/l

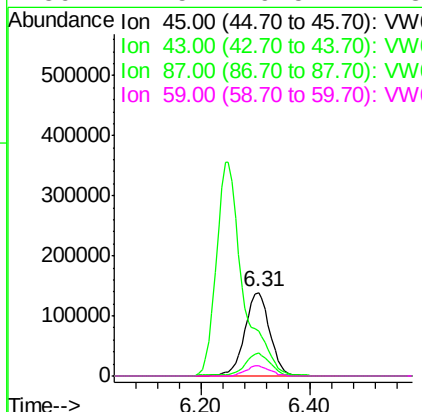
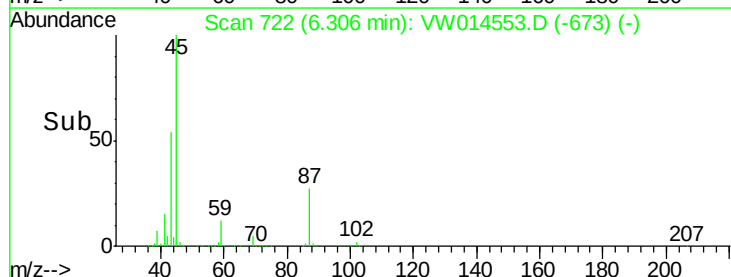
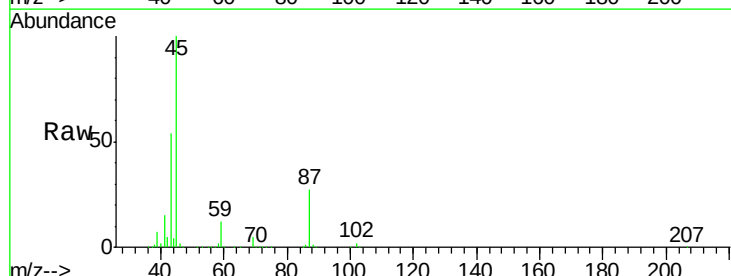
RT: 6.31 min Scan# 722

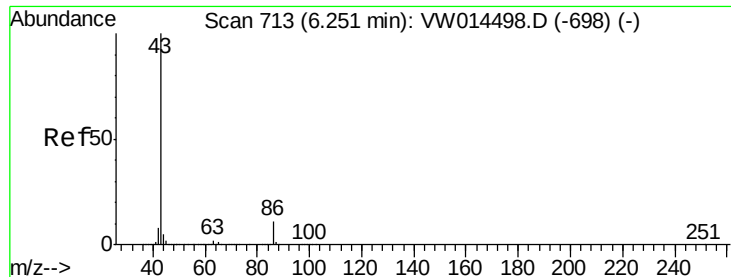
Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion:	45	Resp:	445065
Ion	Ratio	Lower	Upper
45	100		
43	53.8	41.4	62.0
87	27.0	22.2	33.2
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 97.309 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 43 Resp: 1204411

Ion Ratio Lower Upper

43 100

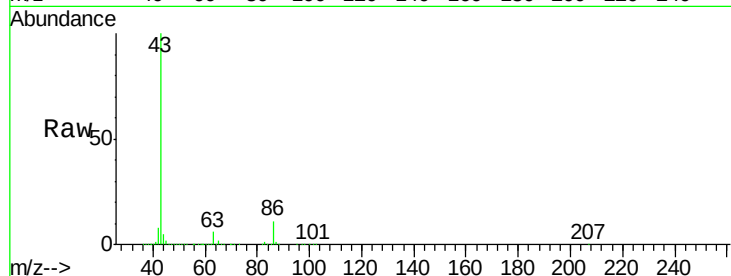
86 10.9 8.8 13.2

Manual Integrations

APPROVED

apatel

1/9/2020 9:28:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

400000

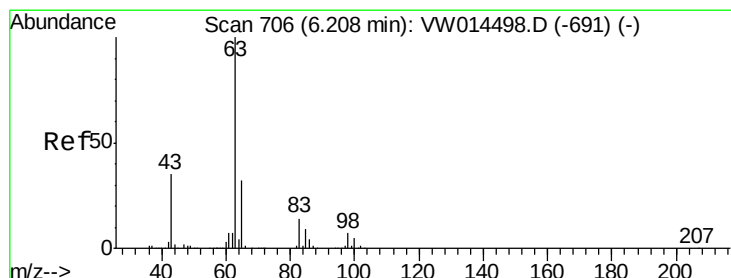
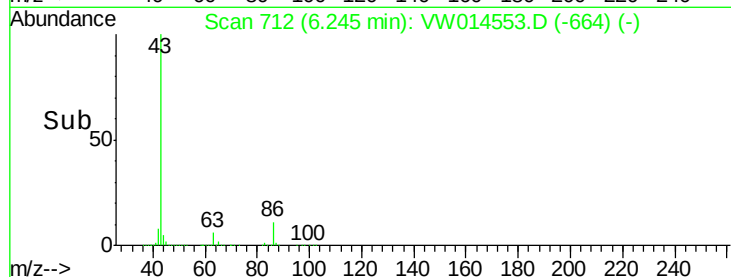
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.686 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

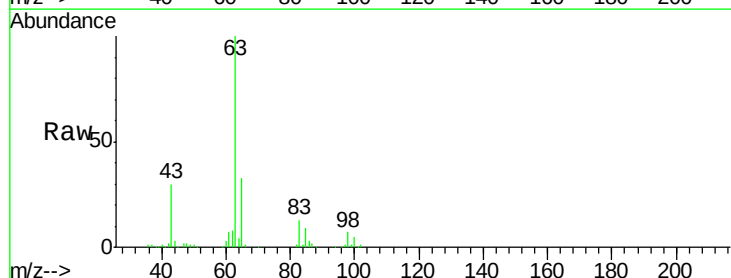
Tgt Ion: 63 Resp: 280380

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 5.3 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

120000

100000

80000

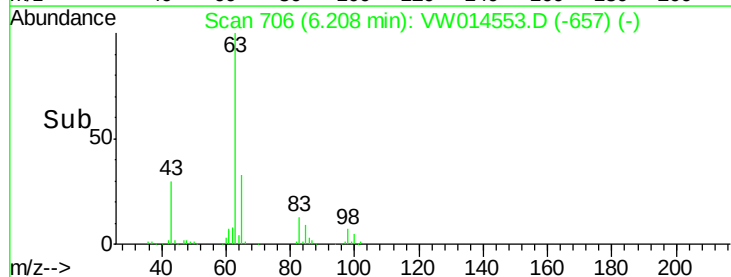
60000

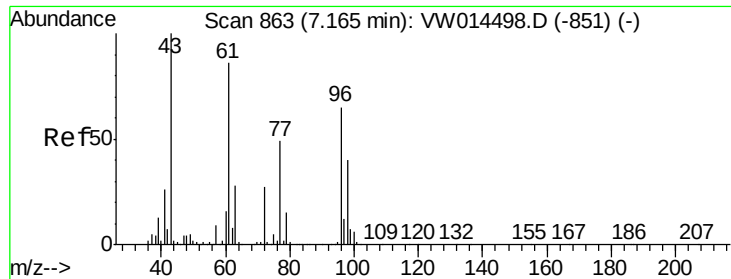
40000

20000

0

Time-->





#25

2-Butanone

Concen: 85.016 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 43 Resp: 193956

Ion Ratio Lower Upper

43 100

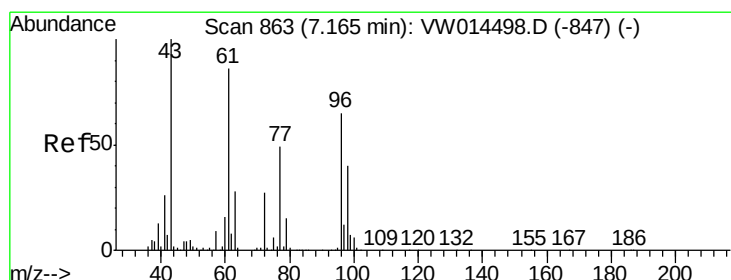
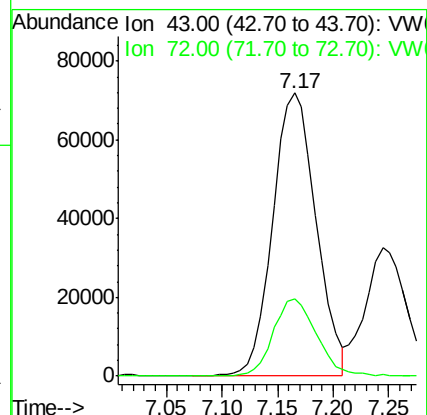
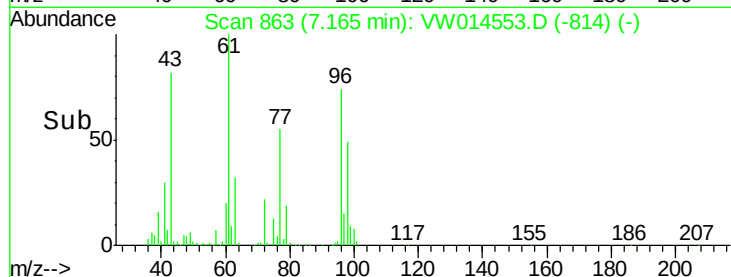
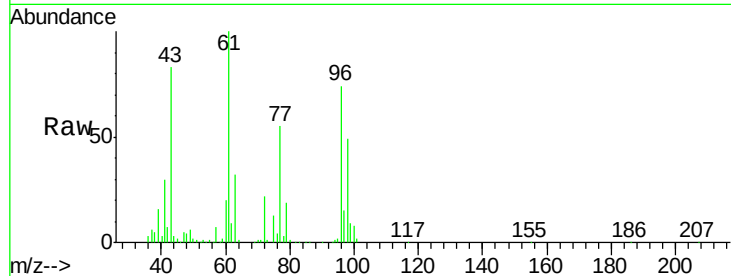
72 27.2 21.9 32.9

Manual Integrations

APPROVED

apatel

1/9/2020 9:28:58 AM



#26

2,2-Dichloropropane

Concen: 21.365 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014553.D

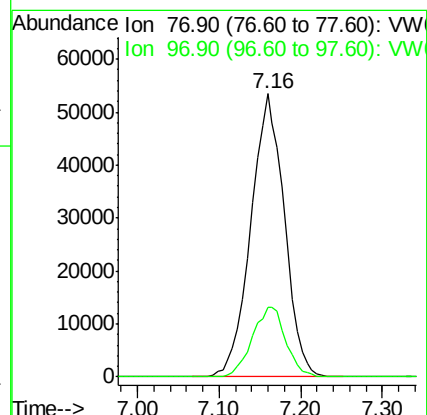
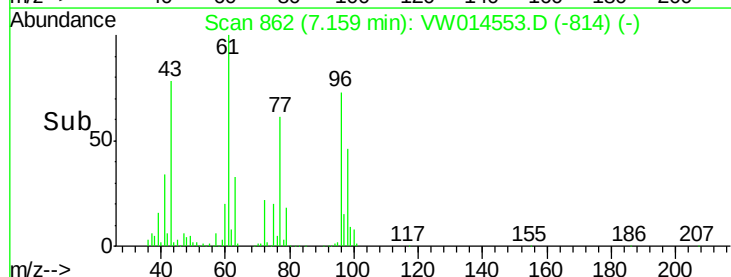
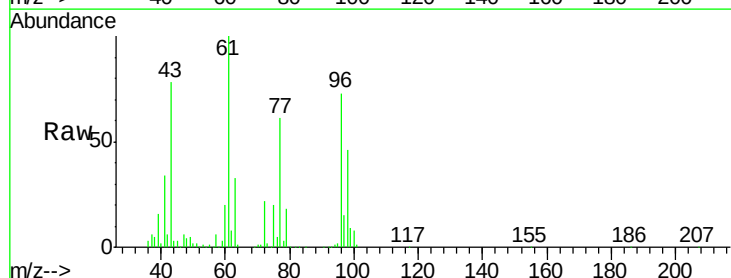
Acq: 08 Jan 2020 11:36

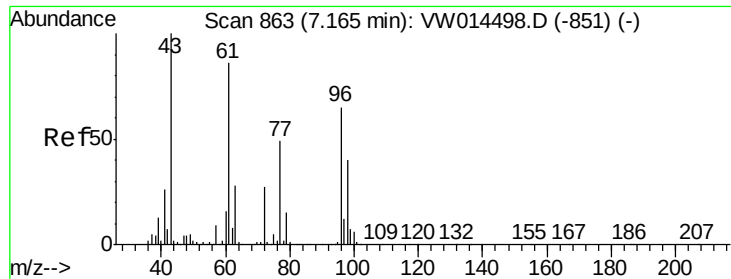
Tgt Ion: 77 Resp: 152933

Ion Ratio Lower Upper

77 100

97 24.5 12.5 37.5





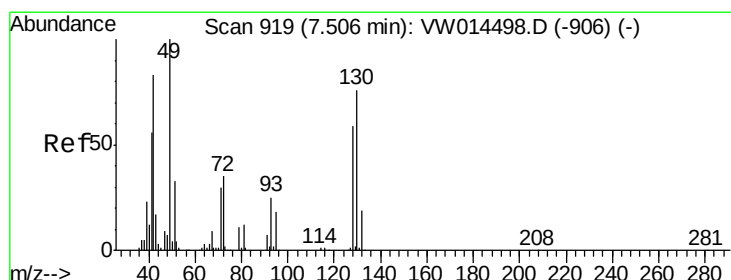
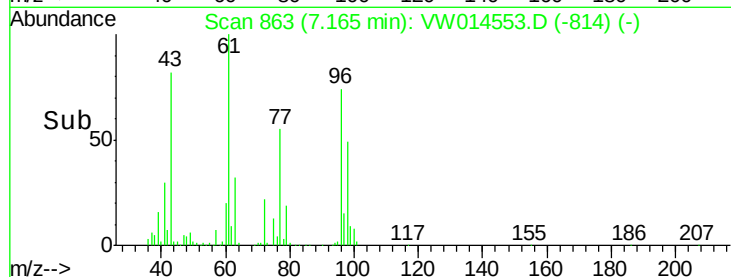
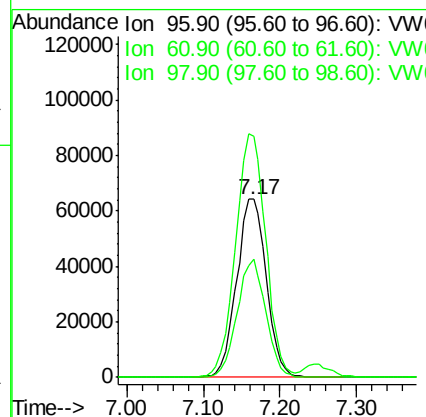
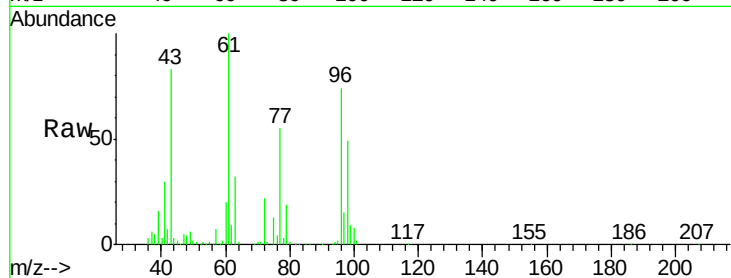
#27
 cis-1,2-Dichloroethene
 Concen: 21.571 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	274.8
98	63.9	0.0	128.6

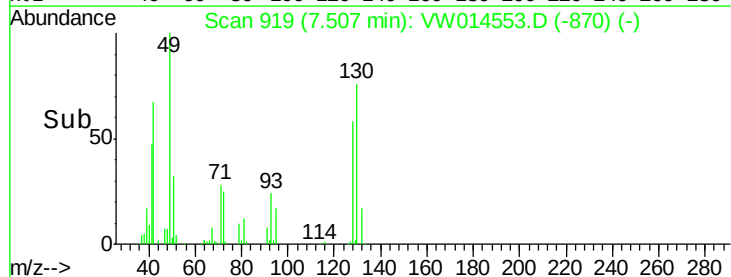
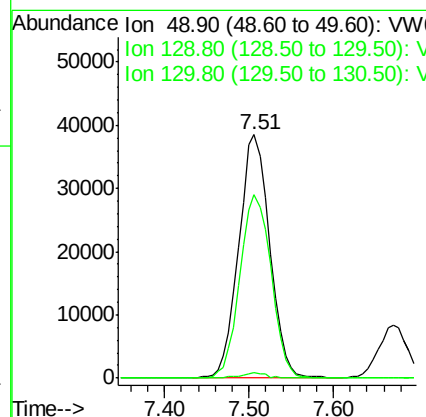
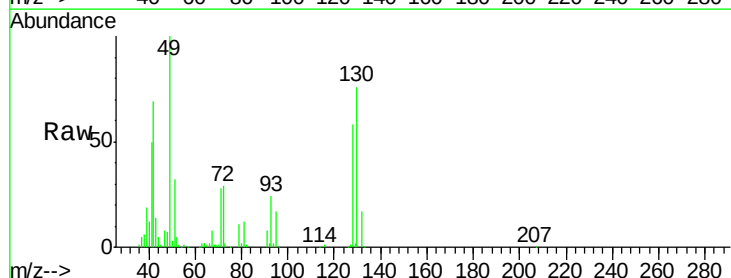
Manual Integrations
 APPROVED

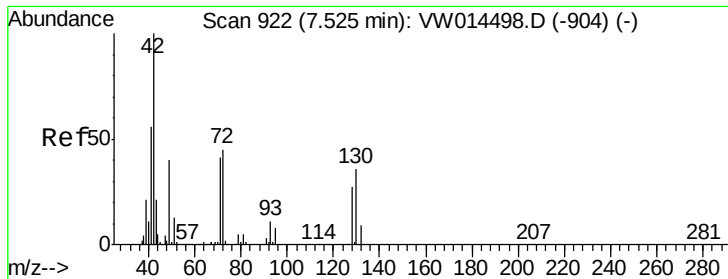
apatel
 1/9/2020 9:28:58 AM



#28
 Bromochloromethane
 Concen: 18.860 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.0
130	76.0	62.5	93.7





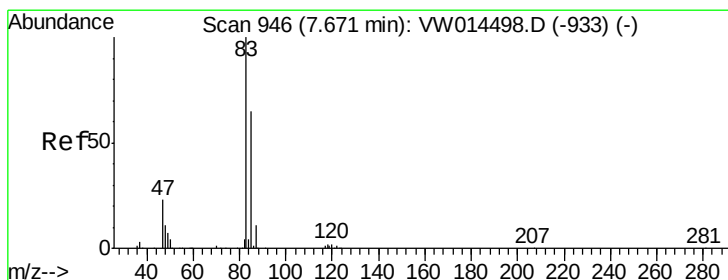
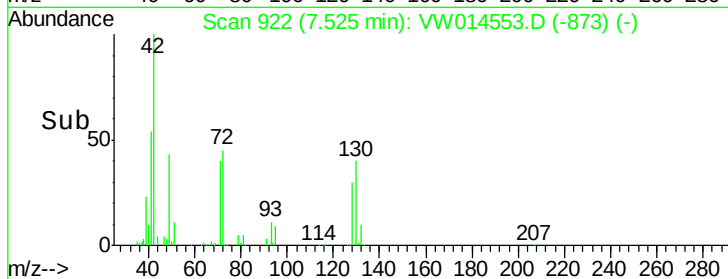
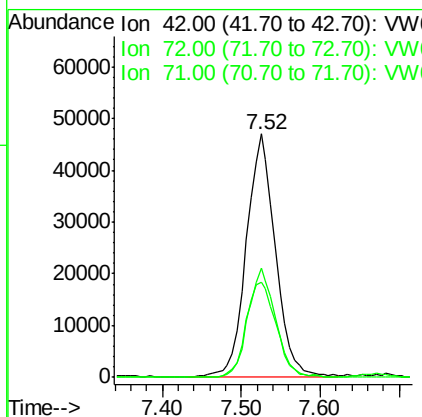
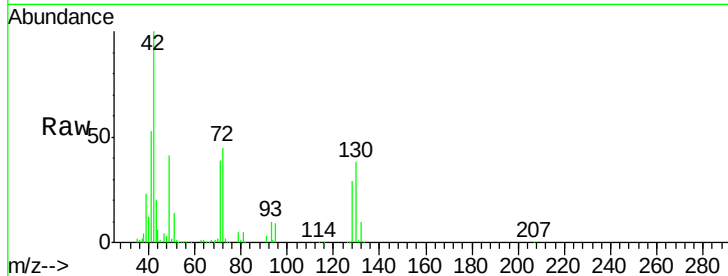
#29
Tetrahydrofuran
Concen: 85.524 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.5	51.7
71	40.2	32.0	48.0

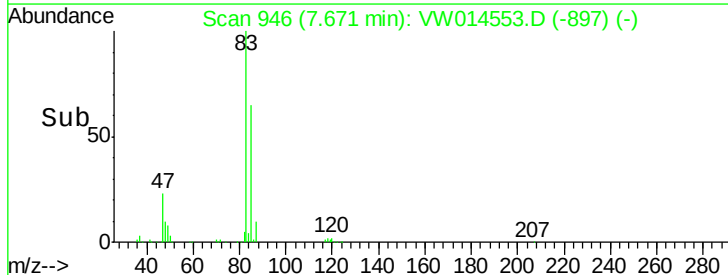
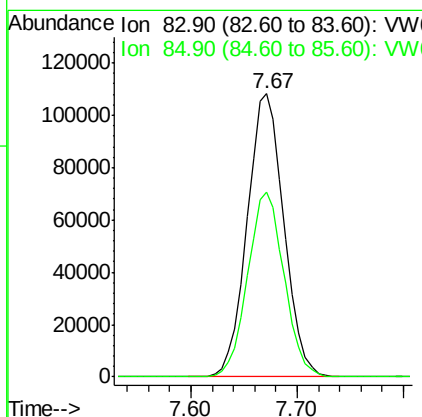
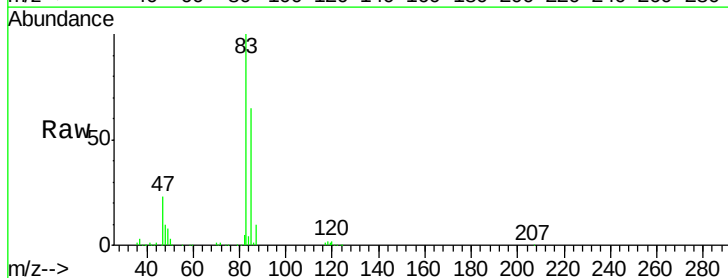
Manual Integrations
APPROVED

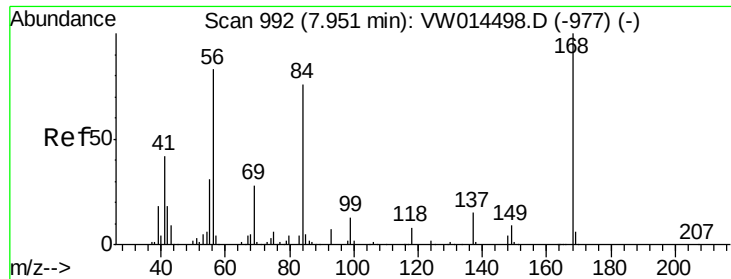
apatel
1/9/2020 9:28:58 AM



#30
Chloroform
Concen: 21.629 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2





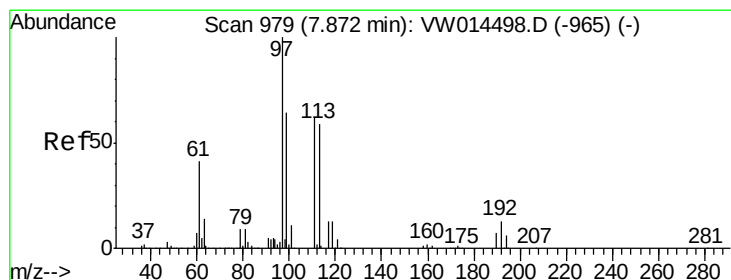
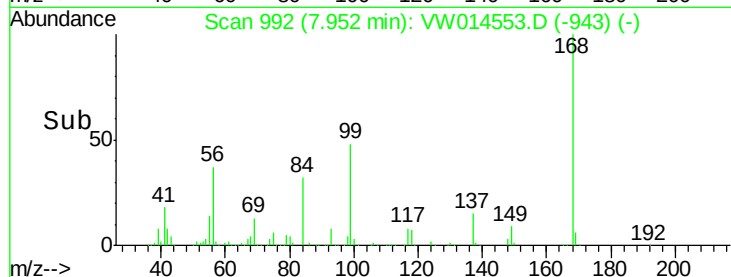
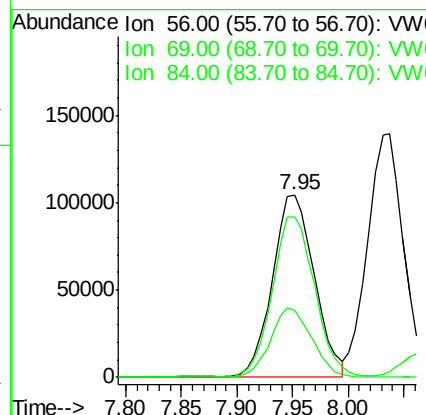
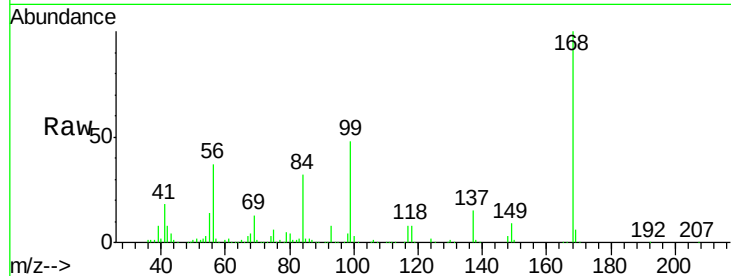
#31
Cyclohexane
Concen: 20.401 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.6	26.8	40.2
84	87.0	71.8	107.6

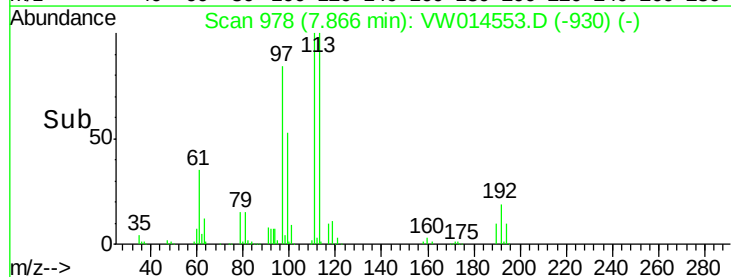
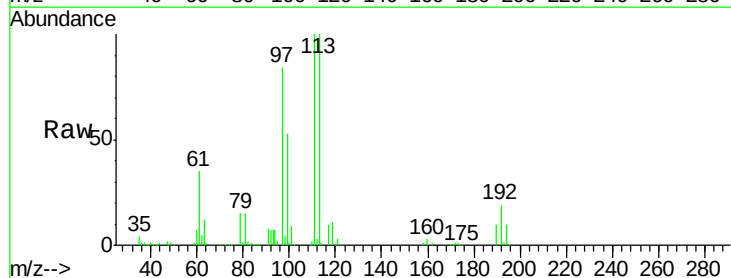
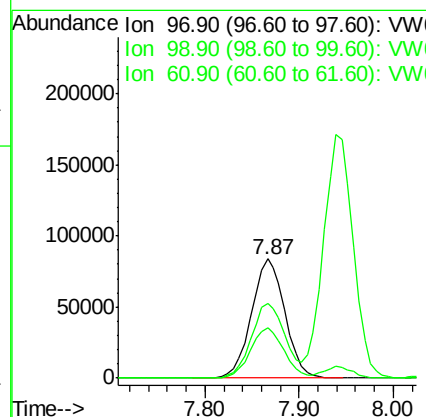
Manual Integrations
APPROVED

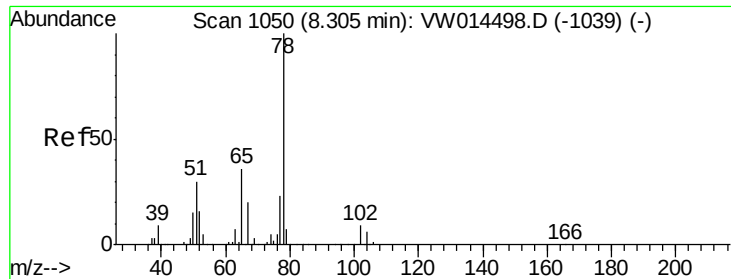
apatel
1/9/2020 9:28:58 AM



#32
1,1,1-Trichloroethane
Concen: 21.306 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	42.6	33.8	50.8





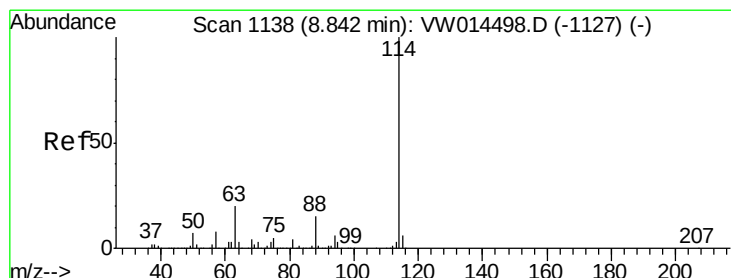
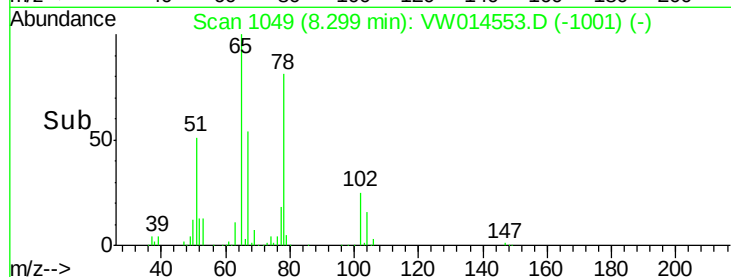
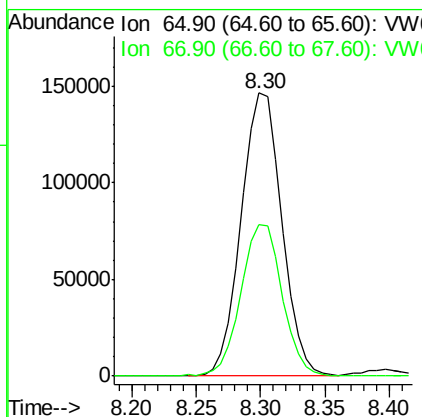
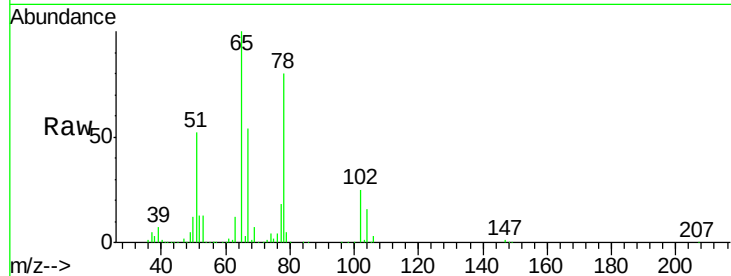
#33
 1,2-Dichloroethane-d4
 Concen: 50.982 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

Tgt Ion: 65 Resp: 320977
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.4

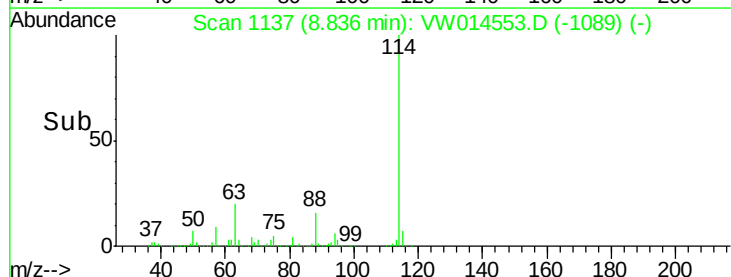
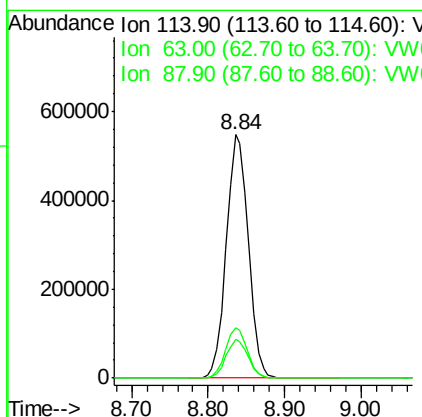
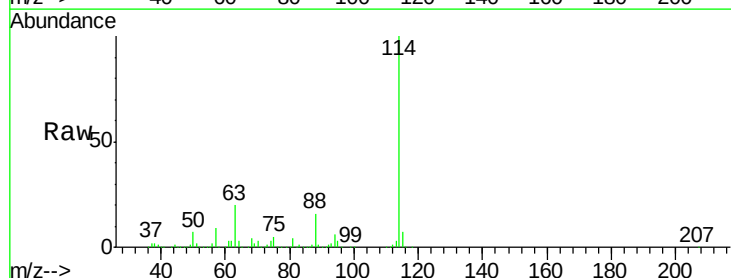
Manual Integrations
 APPROVED

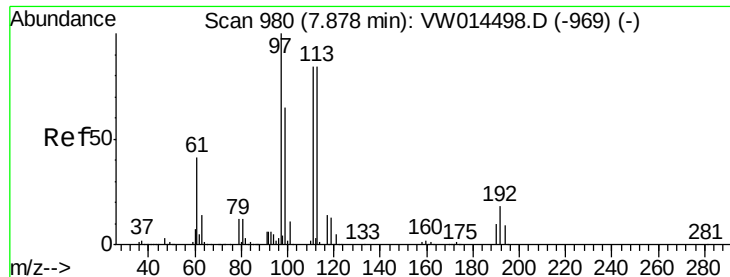
apatel
 1/9/2020 9:28:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion: 114 Resp: 1085520
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.4
 88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.408 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

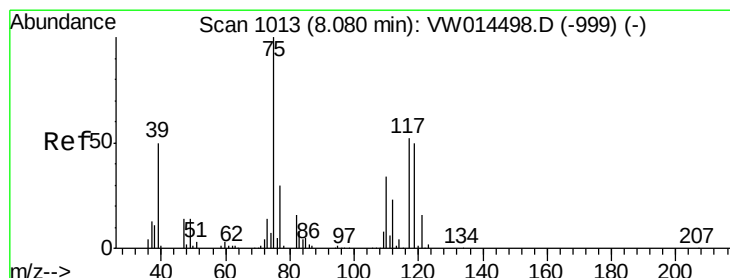
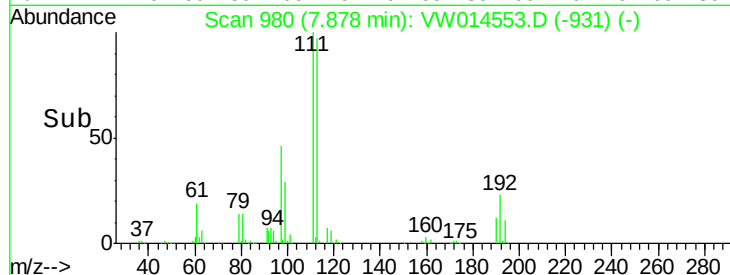
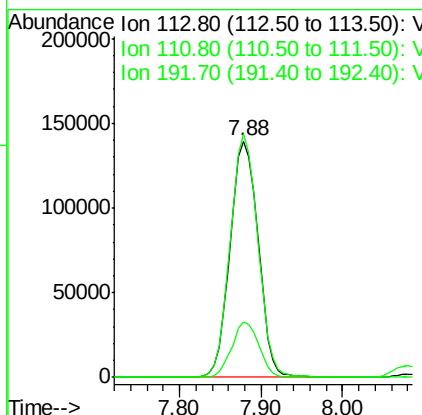
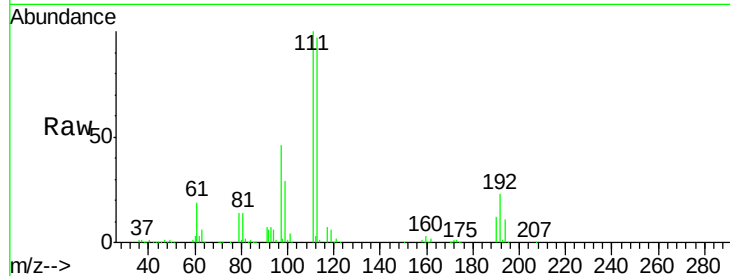
ClientSampled :

VW0108SBS01

Tgt Ion:	113	Resp:	331337
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.4	122.2
192	22.7	17.8	26.8

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#36

1,1-Dichloropropene

Concen: 21.318 ug/l

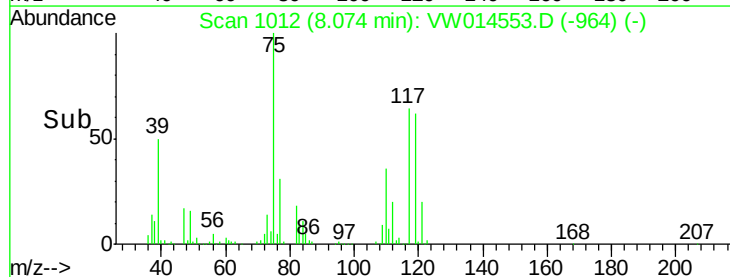
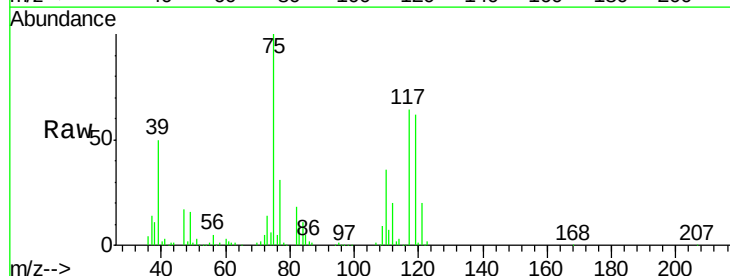
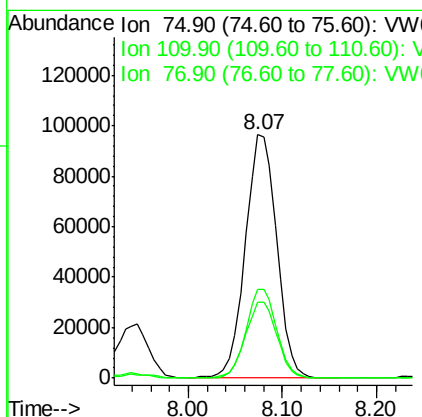
RT: 8.07 min Scan# 1012

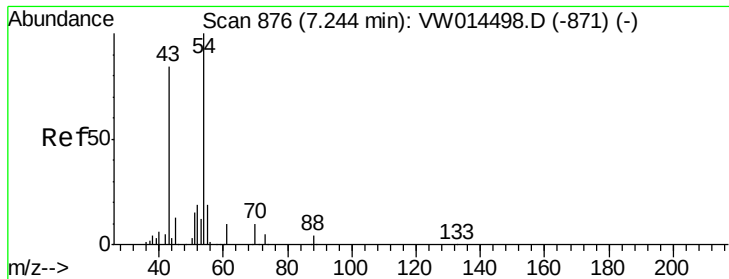
Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion:	75	Resp:	223090
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.8	53.5
77	31.7	24.7	37.1





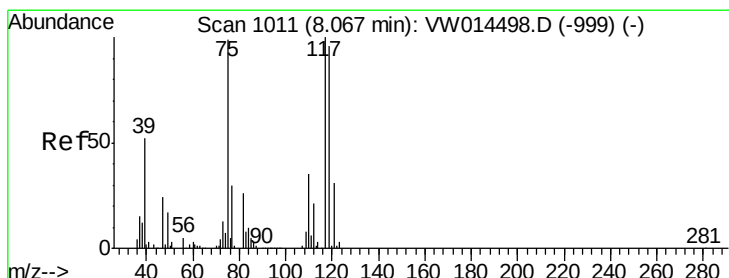
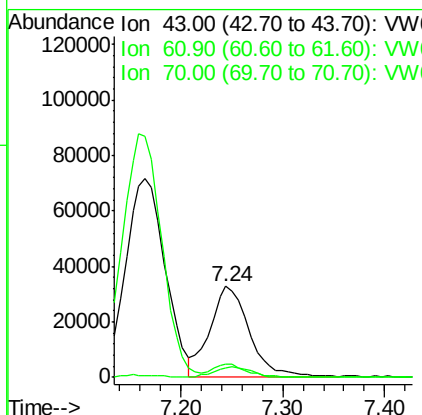
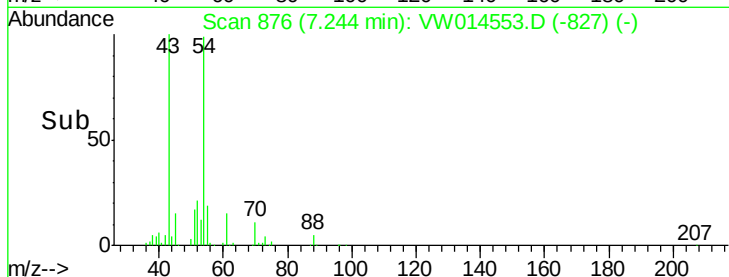
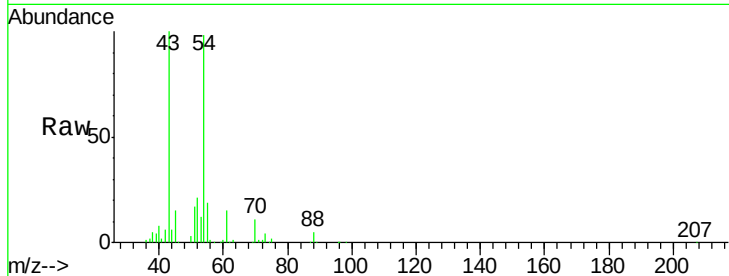
#37
Ethyl Acetate
Concen: 18.358 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.7	17.5
70	10.8	9.0	13.6

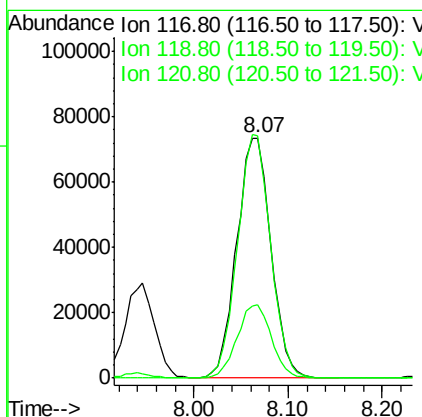
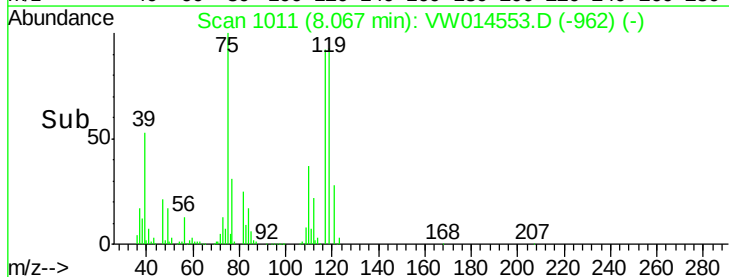
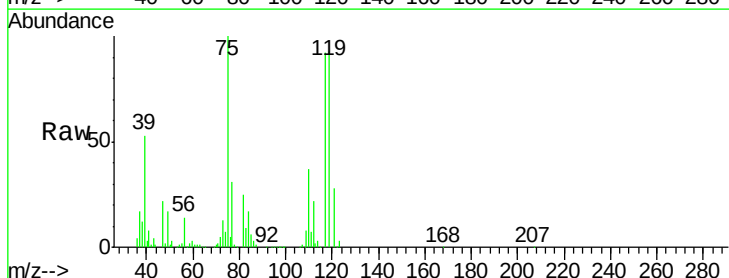
Manual Integrations
APPROVED

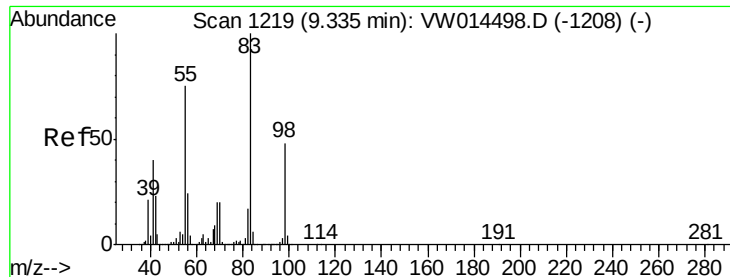
apatel
1/9/2020 9:28:58 AM



#38
Carbon Tetrachloride
Concen: 20.572 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.1	77.0	115.6
121	30.8	24.6	36.8





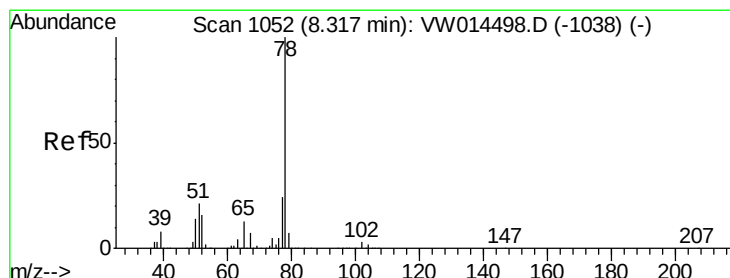
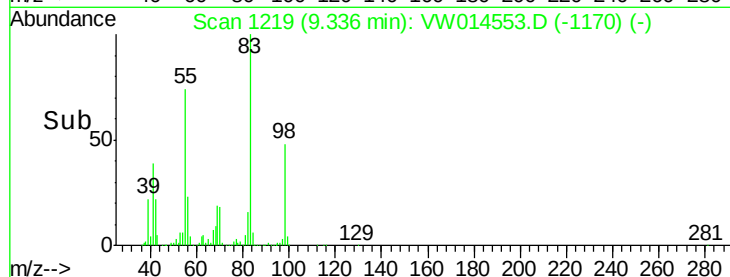
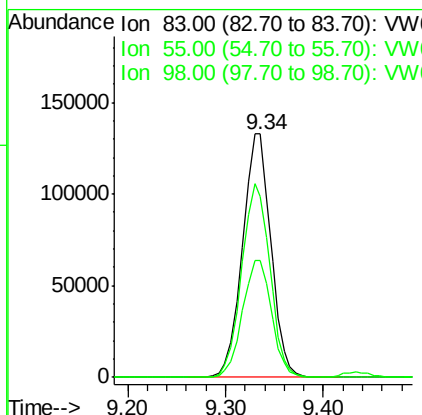
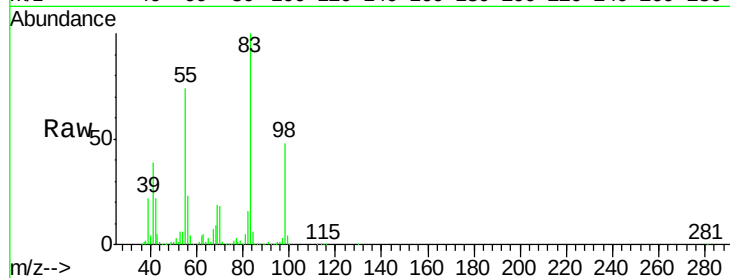
#39
Methylcyclohexane
Concen: 19.960 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
55	74.2	60.1	90.1
98	47.8	38.8	58.2

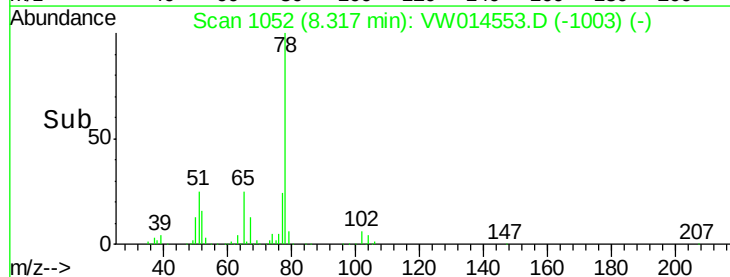
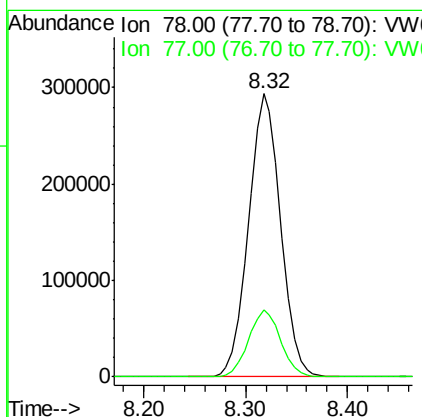
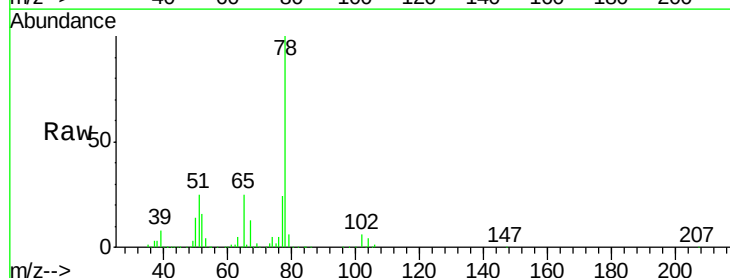
Manual Integrations
APPROVED

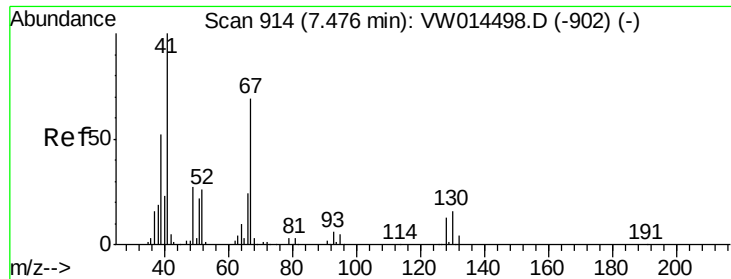
apatel
1/9/2020 9:28:58 AM



#40
Benzene
Concen: 21.654 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp Lower	Upper
78	100		
77	23.7	19.3	28.9





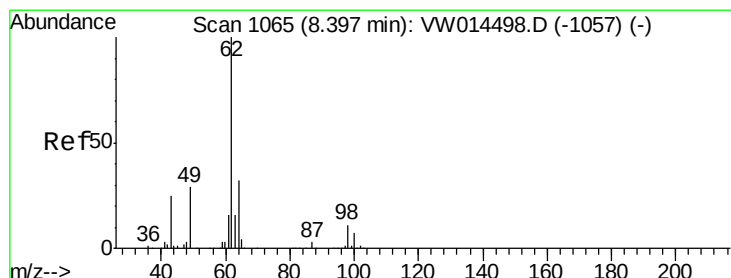
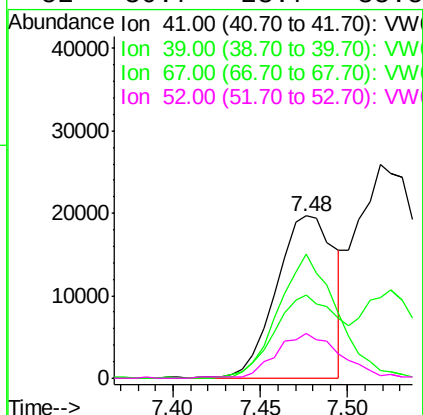
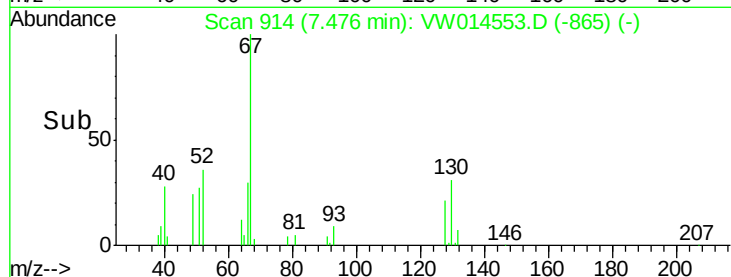
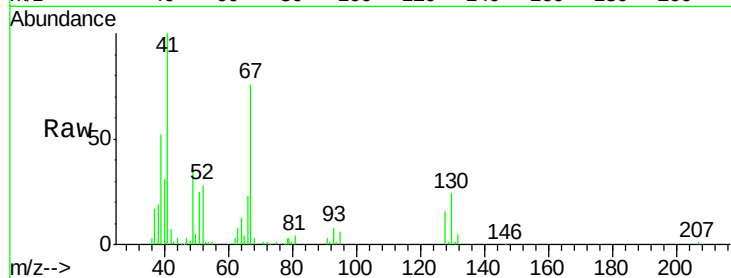
#41
Methacrylonitrile
Concen: 17.374 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.0	69.0
67	77.9	60.8	91.2
52	30.7	23.7	35.5

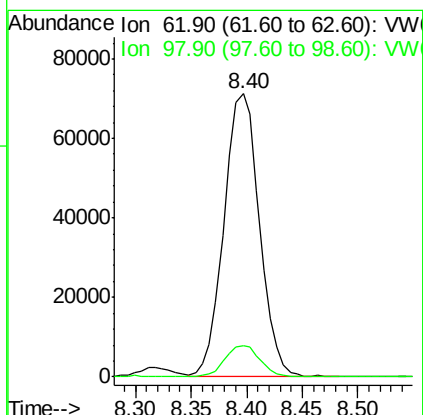
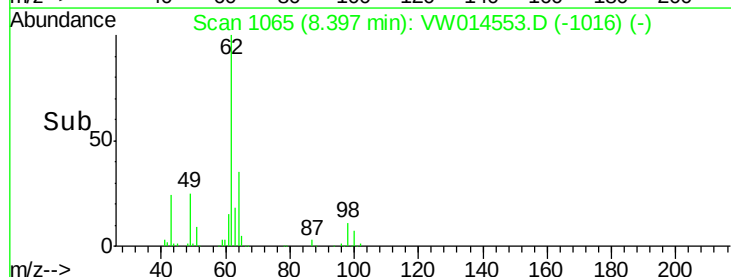
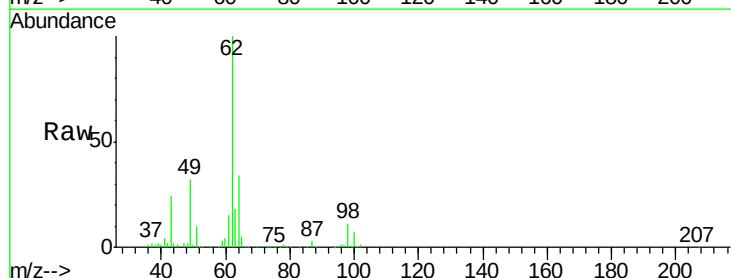
Manual Integrations
APPROVED

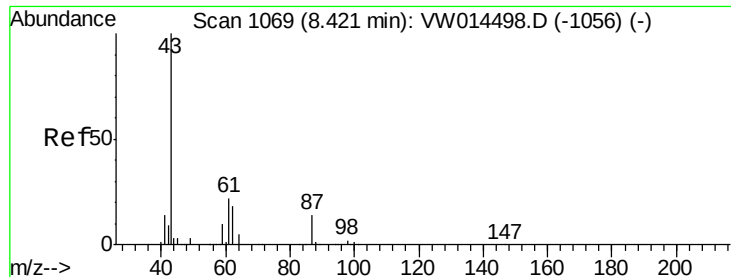
apatel
1/9/2020 9:28:58 AM



#42
1,2-Dichloroethane
Concen: 20.445 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0





#43

Isopropyl Acetate

Concen: 18.603 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

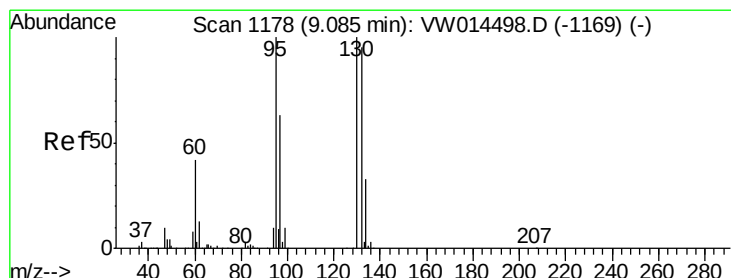
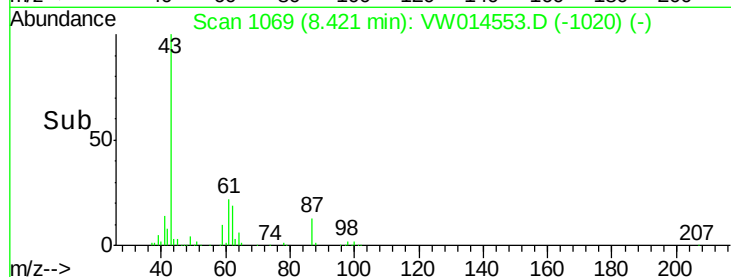
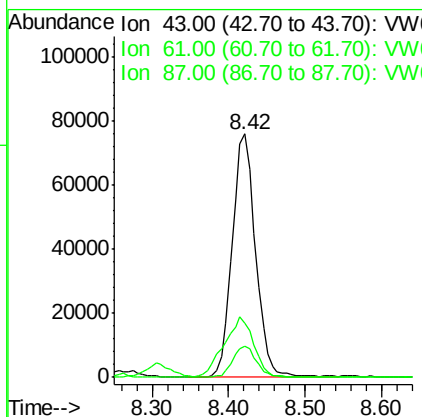
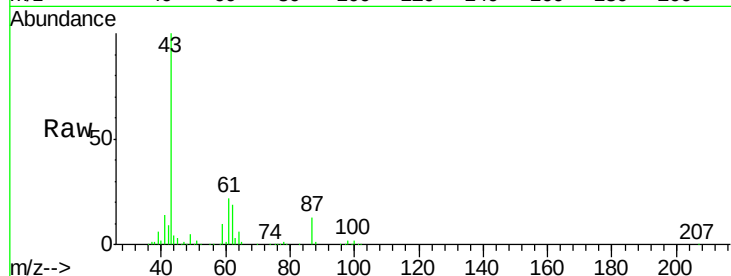
ClientSampleId :

VW0108SBS01

Tgt Ion:	43	Resp:	160328
Ion Ratio		Lower	Upper
43	100		
61	31.1	24.7	37.1
87	13.0	11.1	16.7

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#44

Trichloroethene

Concen: 21.424 ug/l

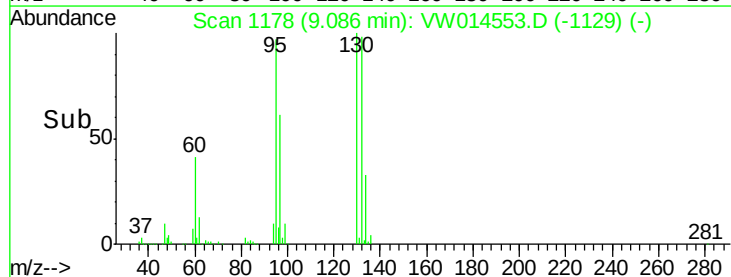
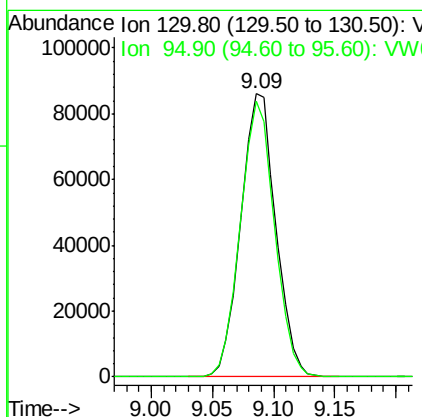
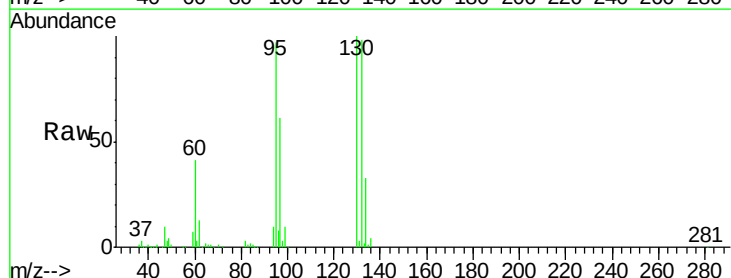
RT: 9.09 min Scan# 1178

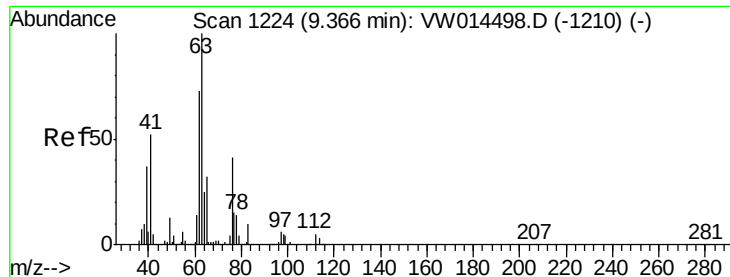
Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion:	130	Resp:	171647
Ion Ratio		Lower	Upper
130	100		
95	97.3	0.0	199.4





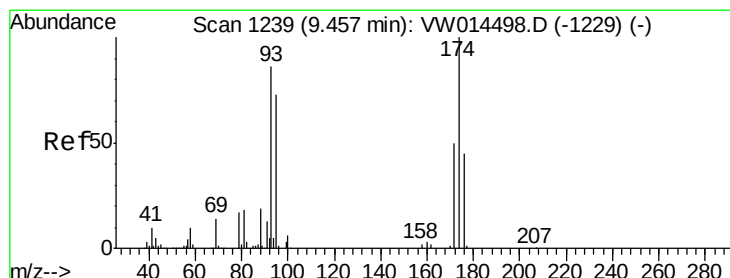
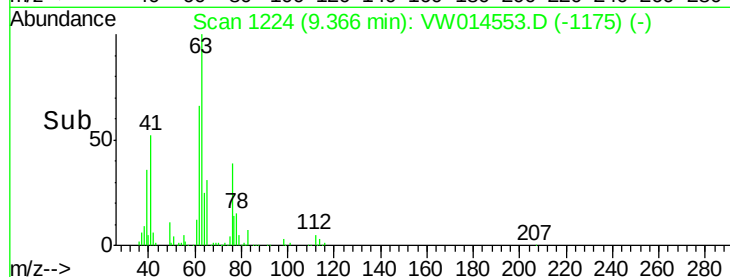
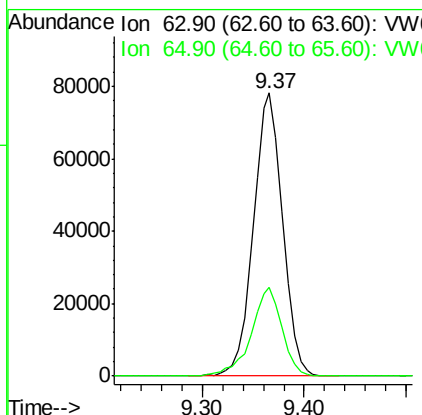
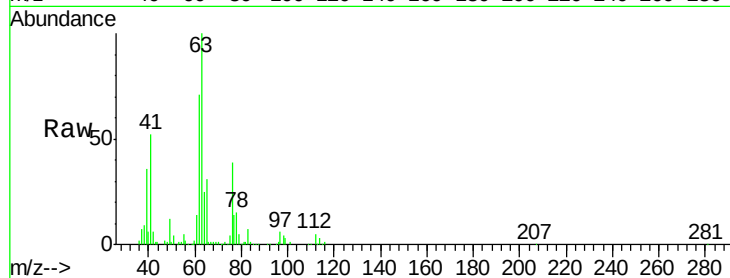
#45
 1,2-Dichloropropane
 Concen: 21.470 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :
 VW0108SBS01

Tgt Ion: 63 Resp: 155998
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4

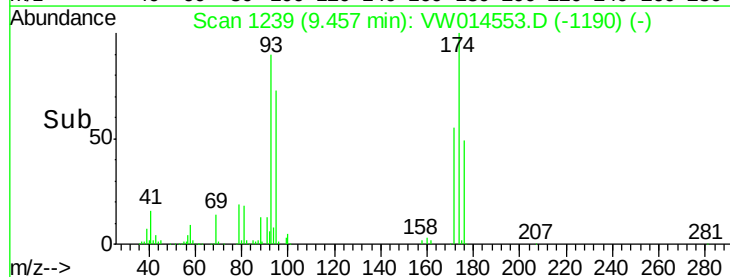
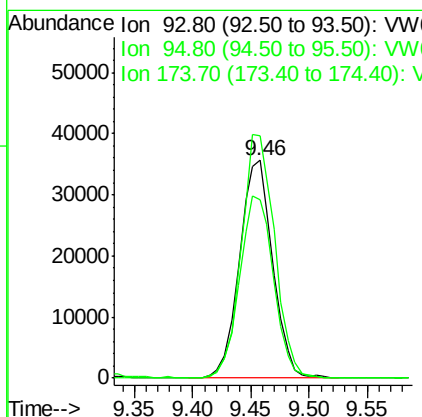
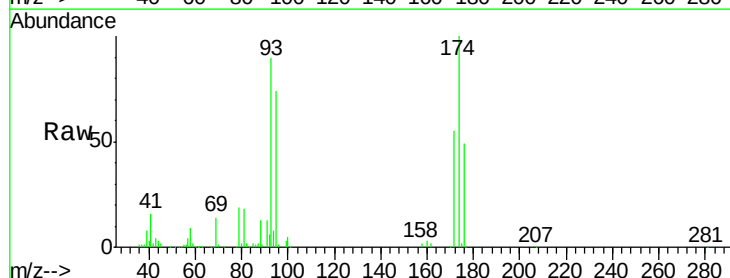
Manual Integrations
 APPROVED

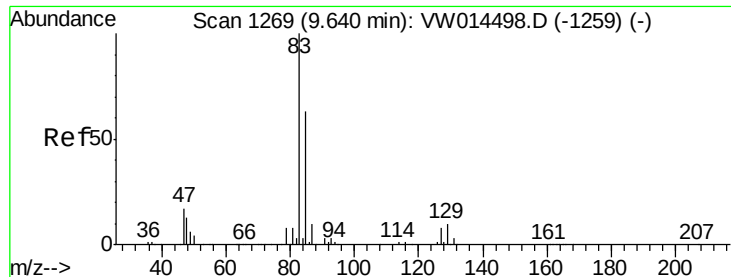
apatel
 1/9/2020 9:28:58 AM



#46
 Dibromomethane
 Concen: 19.762 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion: 93 Resp: 70884
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.4 99.6
 174 112.2 89.1 133.7





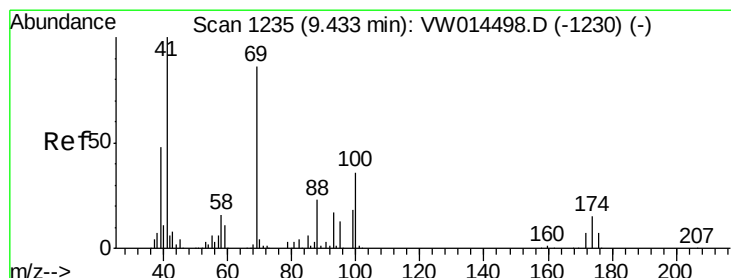
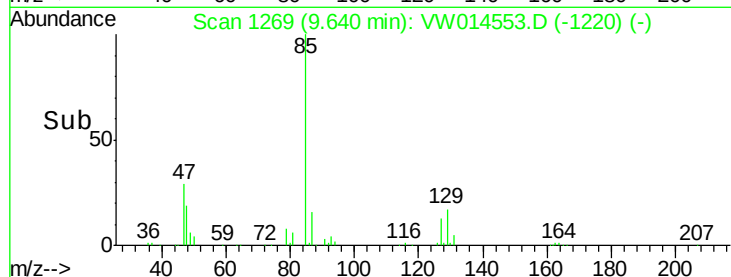
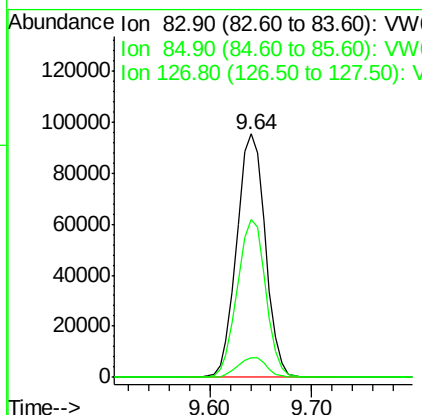
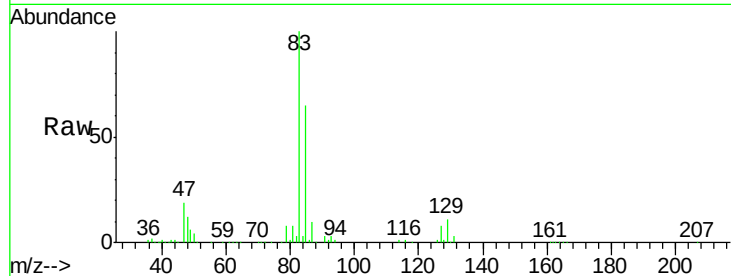
#47
Bromodichloromethane
Concen: 20.898 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	76.0
127	8.2	6.6	9.8

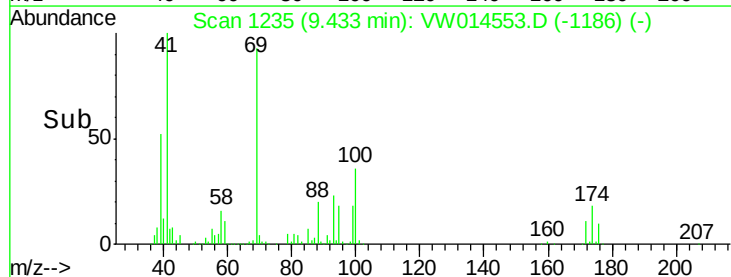
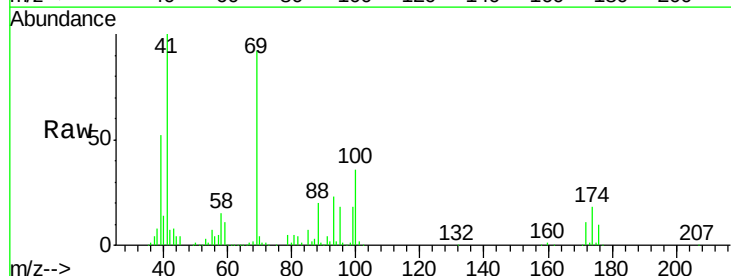
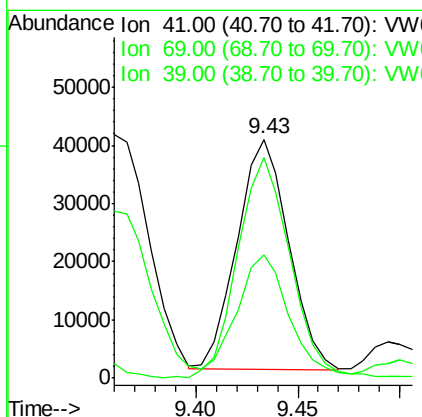
Manual Integrations
APPROVED

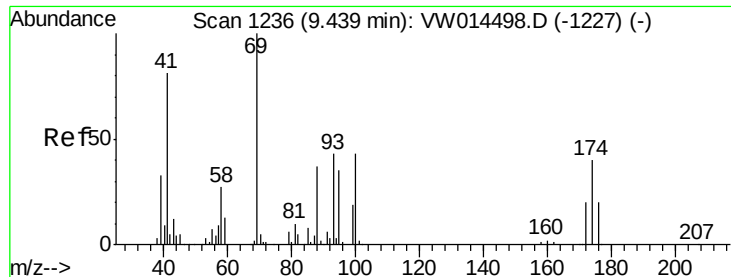
apatel
1/9/2020 9:28:58 AM



#48
Methyl methacrylate
Concen: 16.575 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.0	68.3	102.5
39	49.4	36.8	55.2





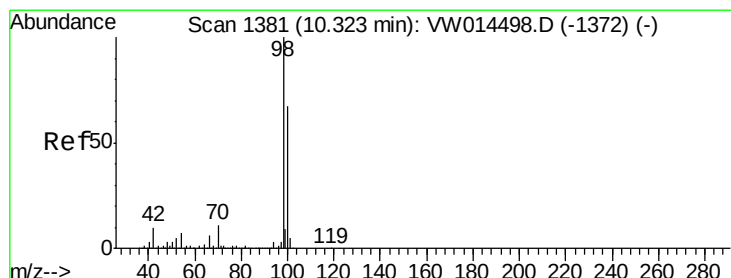
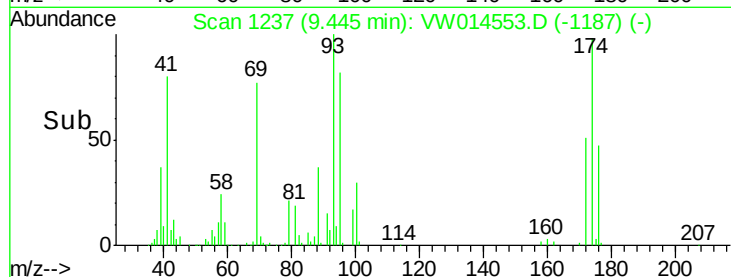
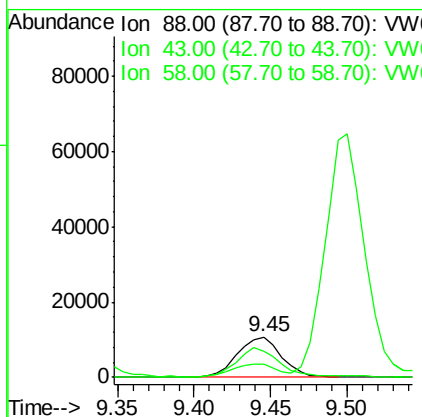
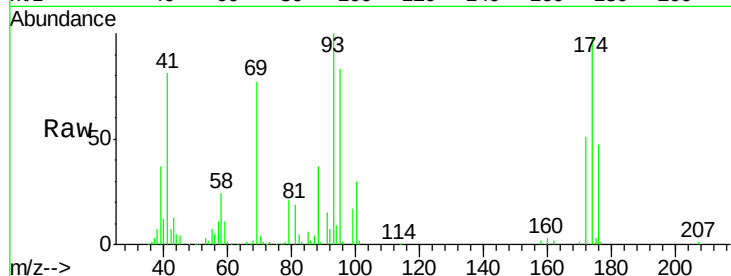
#49
1,4-Dioxane
Concen: 320.569 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.4	24.9	37.3
58	75.5	56.9	85.3

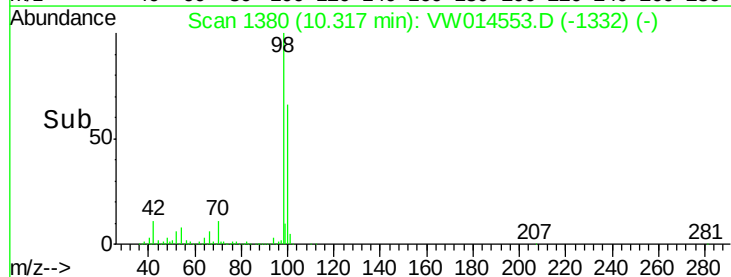
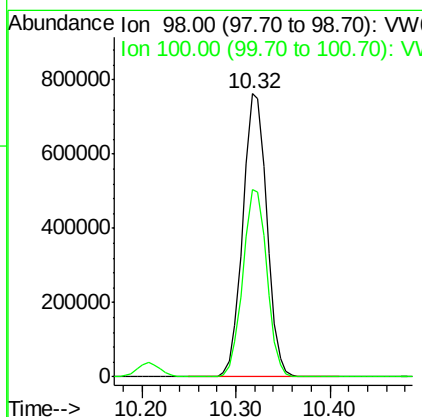
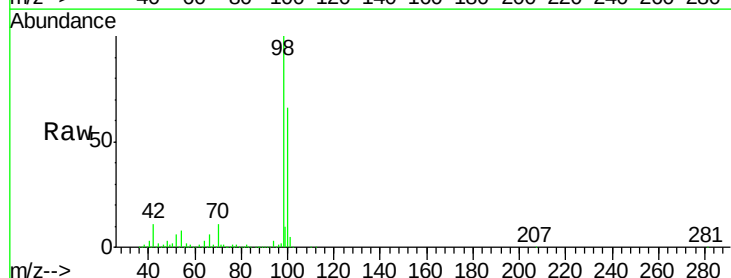
Manual Integrations
APPROVED

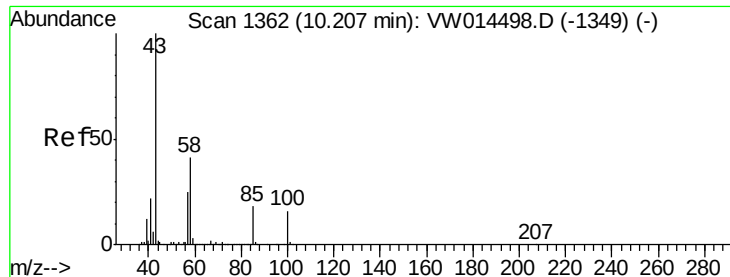
apatel
1/9/2020 9:28:58 AM



#50
Toluene-d8
Concen: 52.615 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.8	80.6





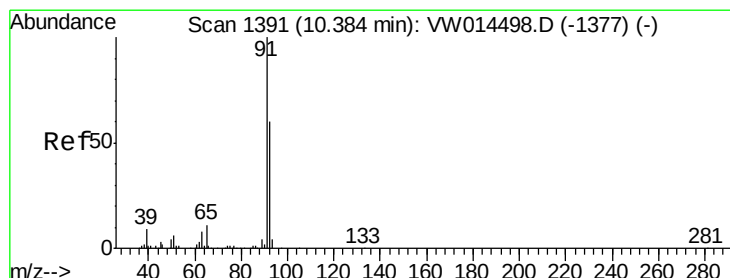
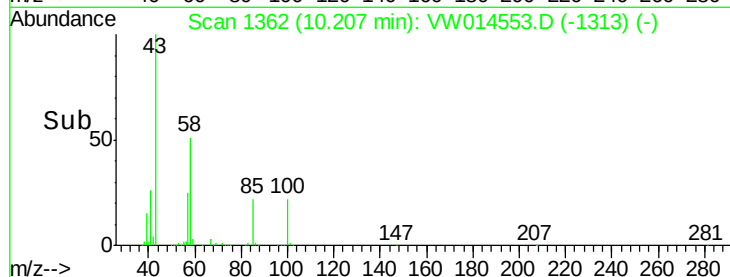
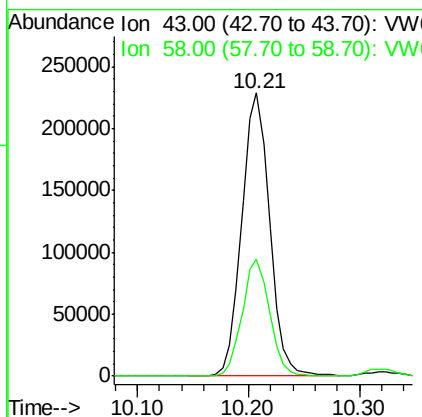
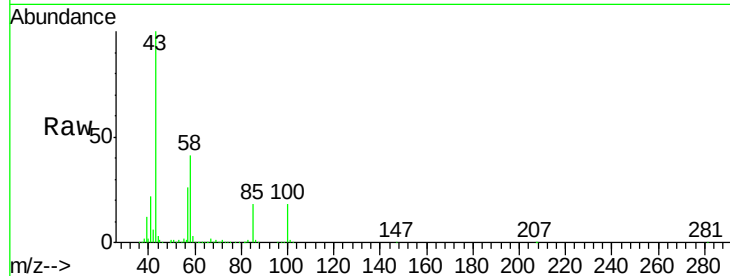
#51
4-Methyl-2-Pentanone
Concen: 89.104 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.7	49.1

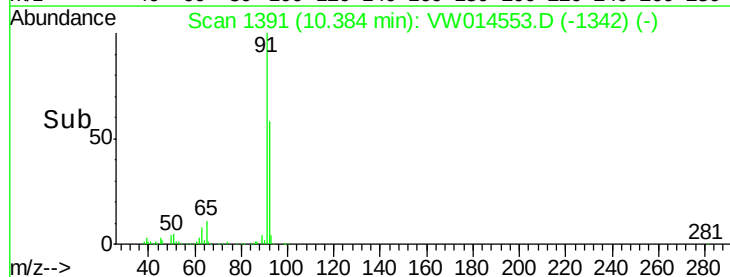
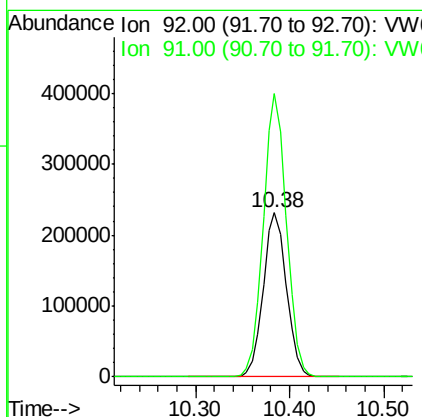
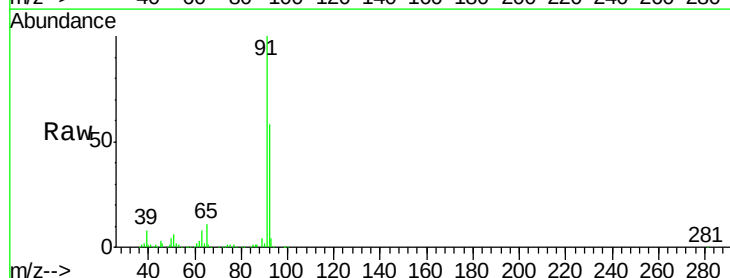
Manual Integrations
APPROVED

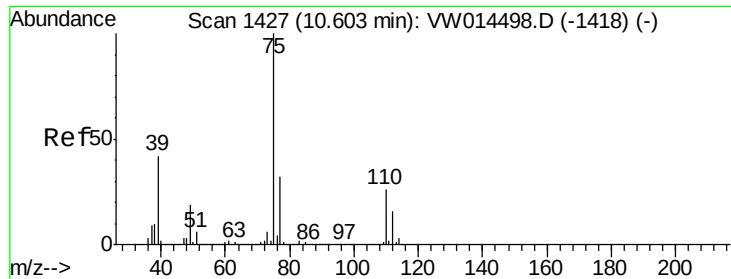
apatel
1/9/2020 9:28:58 AM



#52
Toluene
Concen: 21.670 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	134.1	201.1





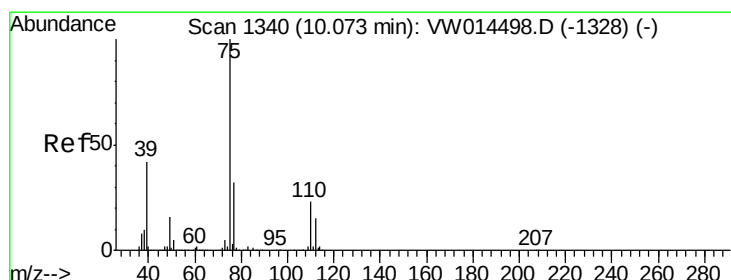
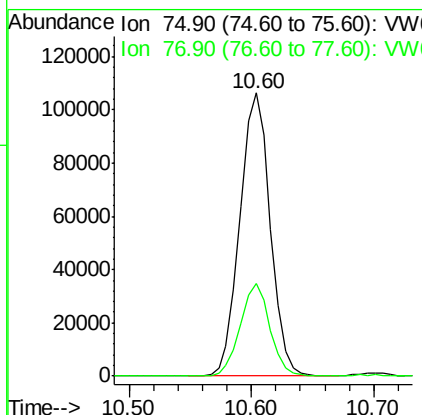
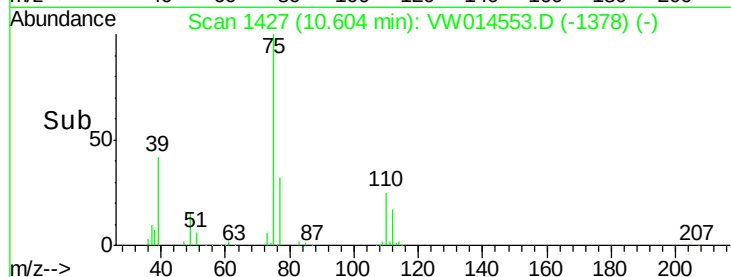
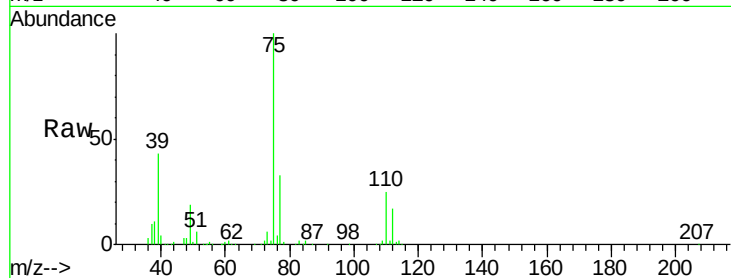
#53
t-1,3-Dichloropropene
Concen: 19.959 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion: 75 Resp: 183000
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2

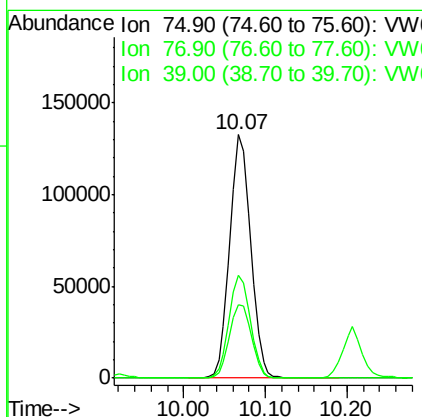
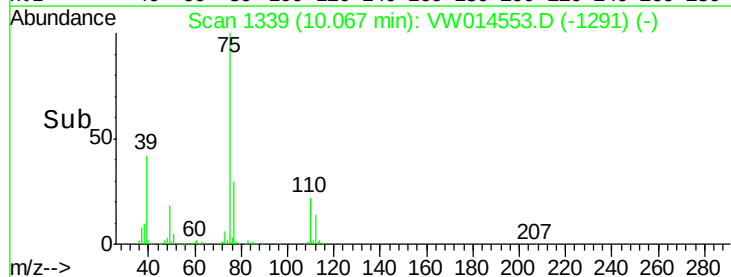
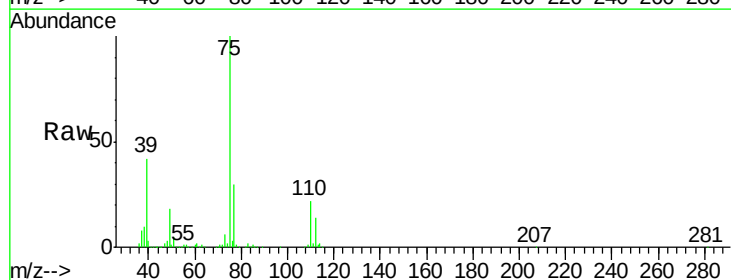
Manual Integrations
APPROVED

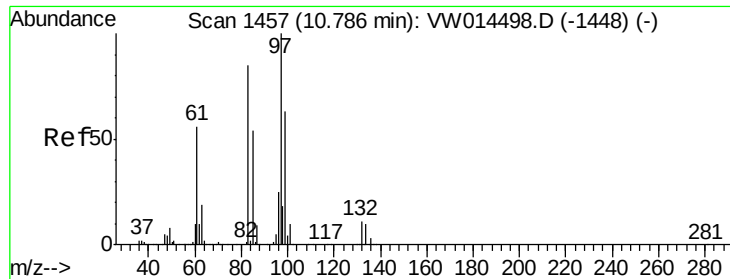
apatel
1/9/2020 9:28:58 AM



#54
cis-1,3-Dichloropropene
Concen: 20.980 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 75 Resp: 235102
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.0
39 42.0 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 20.032 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

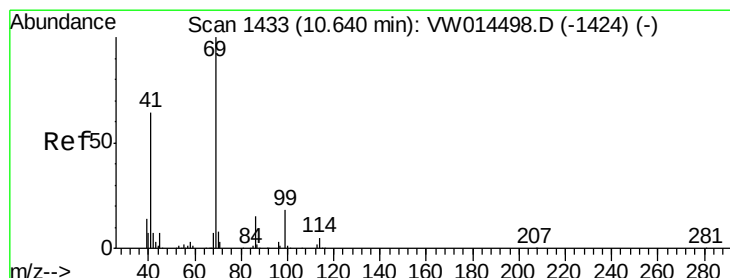
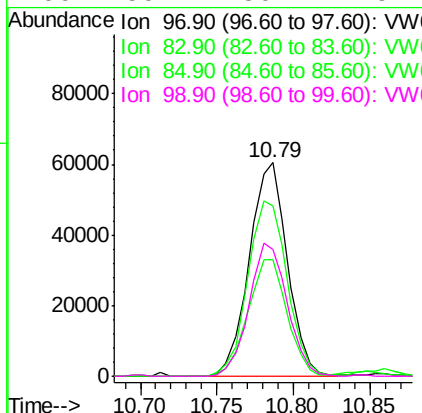
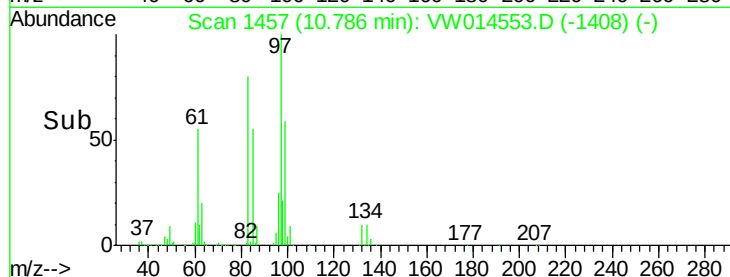
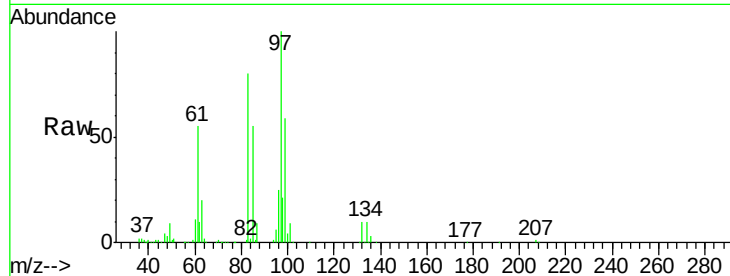
ClientSampled :

VW0108SBS01

Tgt Ion:	97	Resp:	104941
Ion Ratio	Lower	Upper	
97	100		
83	79.8	68.2	102.4
85	54.5	43.0	64.4
99	59.1	50.1	75.1

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#56

Ethyl methacrylate

Concen: 19.080 ug/l

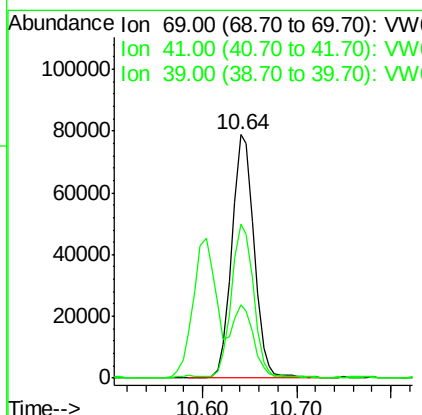
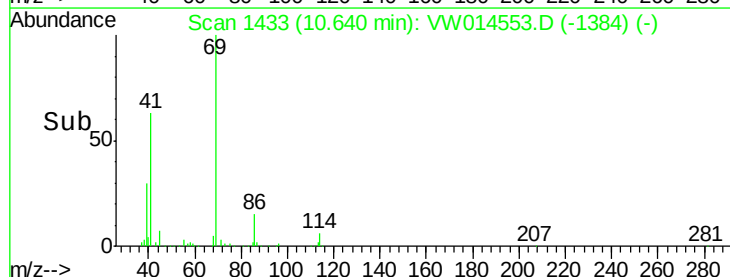
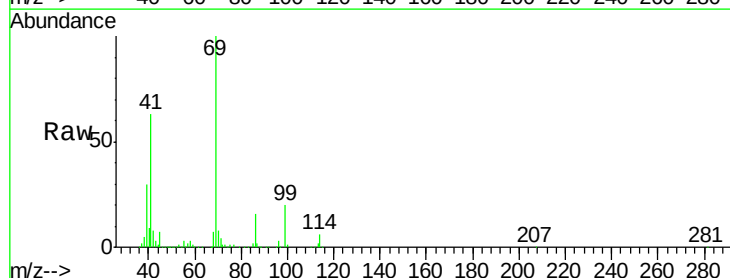
RT: 10.64 min Scan# 1433

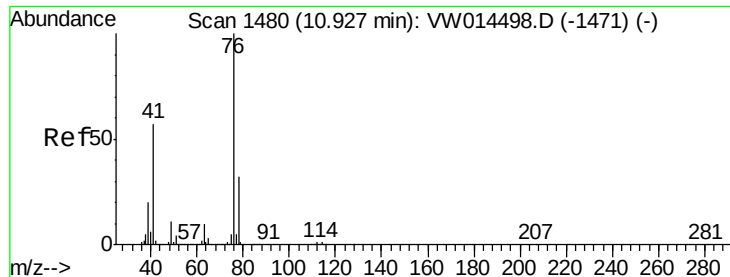
Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion:	69	Resp:	129899
Ion Ratio	Lower	Upper	
69	100		
41	62.2	51.3	76.9
39	25.2	21.0	31.6





#57

1,3-Dichloropropane

Concen: 19.940 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 76 Resp: 183583

Ion Ratio Lower Upper

76 100

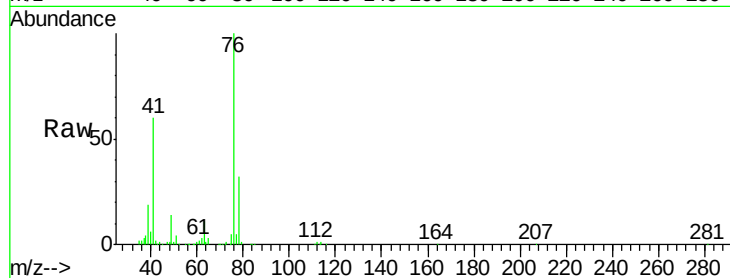
78 32.6 25.9 38.9

Manual Integrations

APPROVED

apatel

1/9/2020 9:28:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

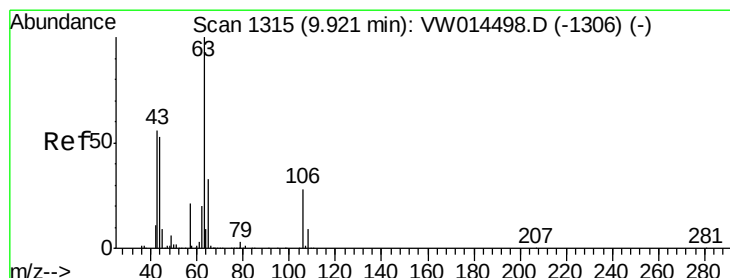
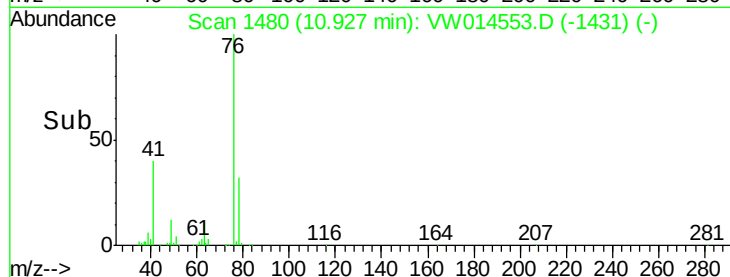
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 90.725 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014553.D

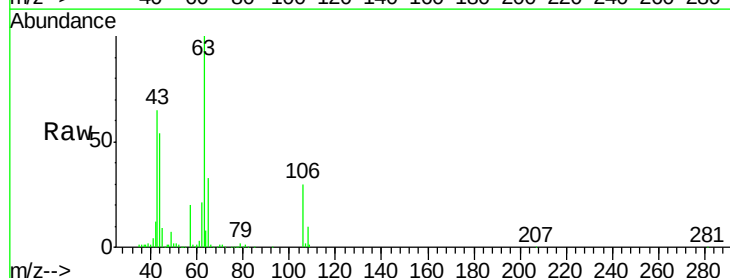
Acq: 08 Jan 2020 11:36

Tgt Ion: 63 Resp: 187850

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

120000

100000

80000

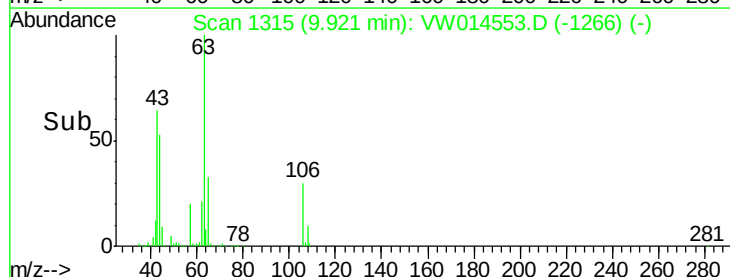
60000

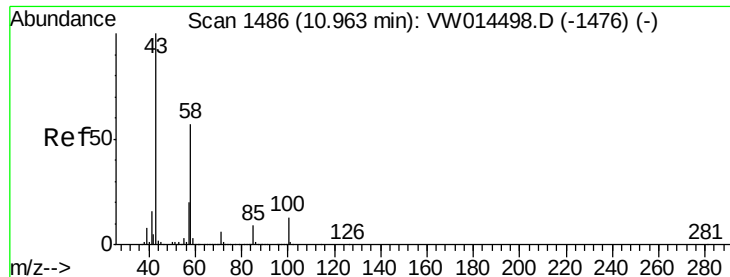
40000

20000

0

Time--> 9.80 9.90 10.00





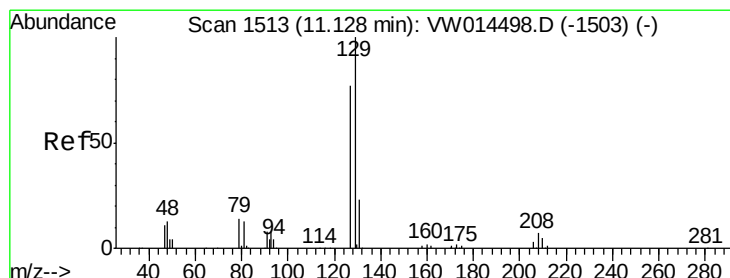
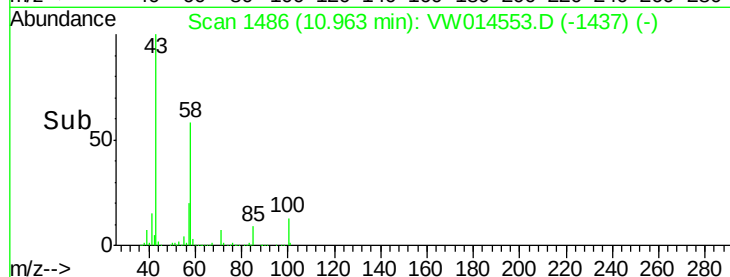
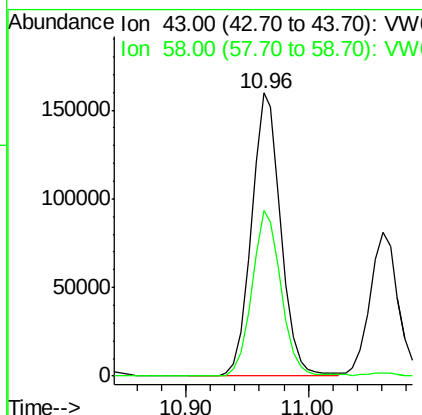
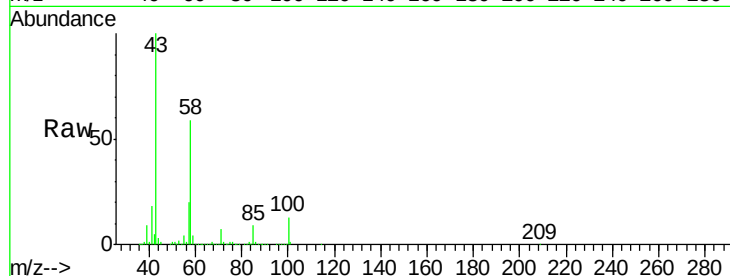
#59
2-Hexanone
Concen: 86.164 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

Tgt Ion: 43 Resp: 265737
Ion Ratio Lower Upper
43 100
58 57.9 28.7 86.3

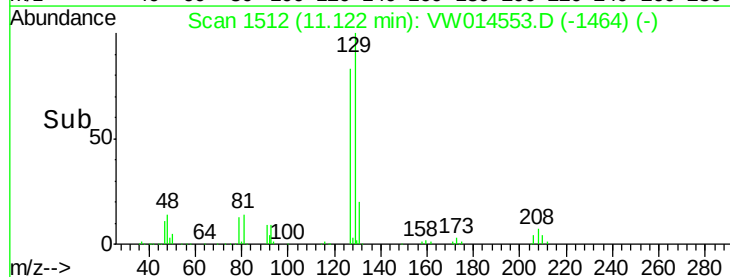
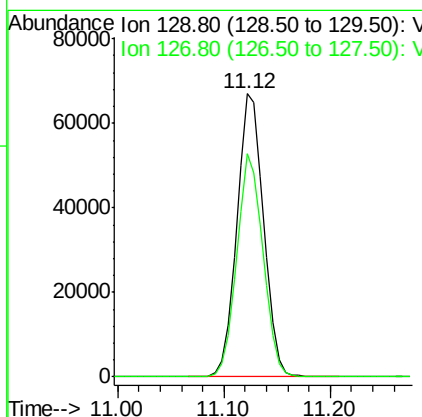
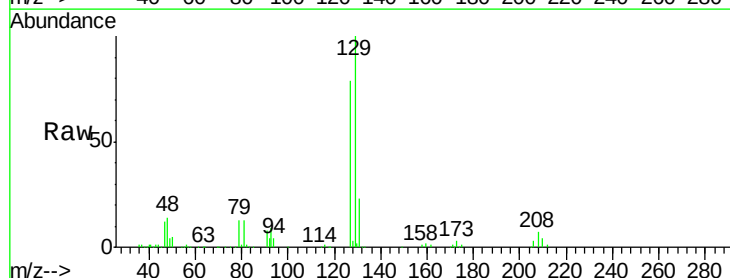
Manual Integrations
APPROVED

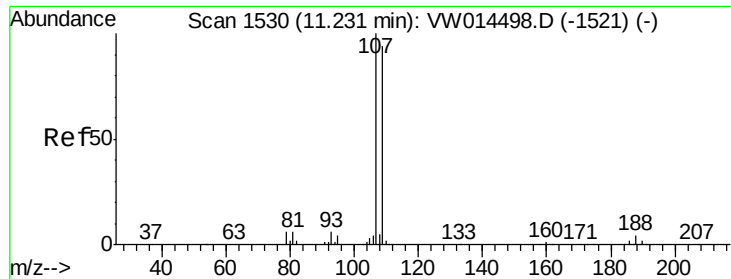
apatel
1/9/2020 9:28:58 AM



#60
Dibromochloromethane
Concen: 19.948 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 129 Resp: 117903
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.383 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

VW0108SBS01

Tgt Ion: 107 Resp: 96382

Ion Ratio Lower Upper

107 100

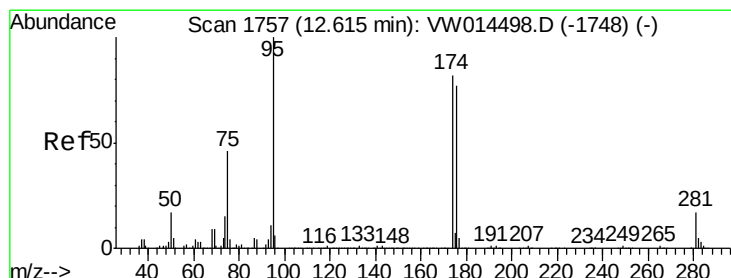
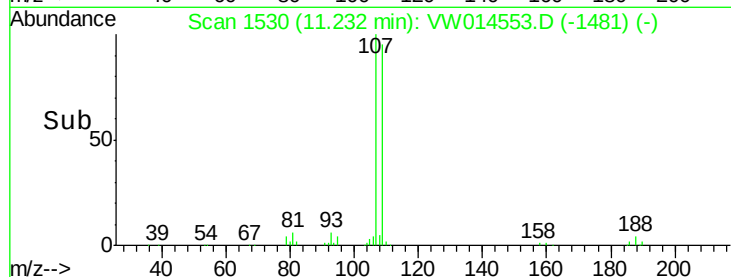
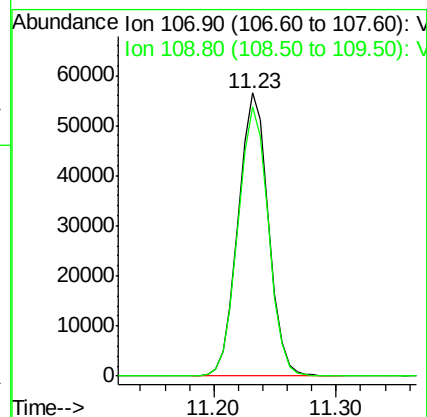
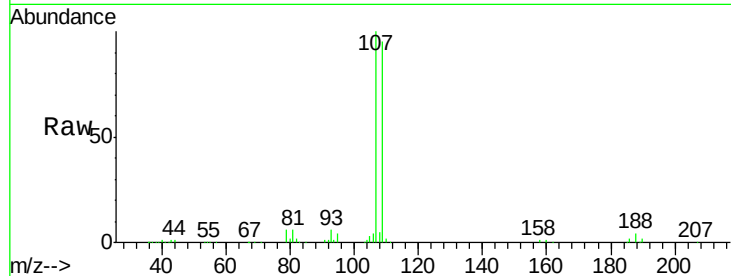
109 96.0 75.1 112.7

Manual Integrations

APPROVED

apatel

1/9/2020 9:28:58 AM



#62

4-Bromofluorobenzene

Concen: 52.428 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

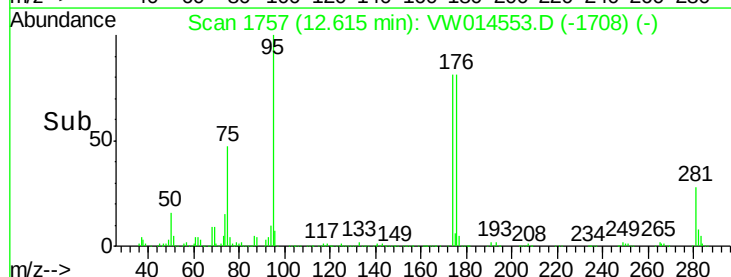
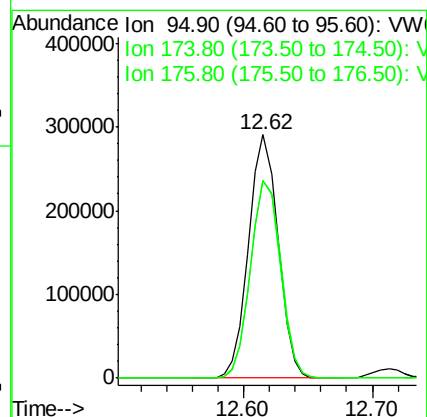
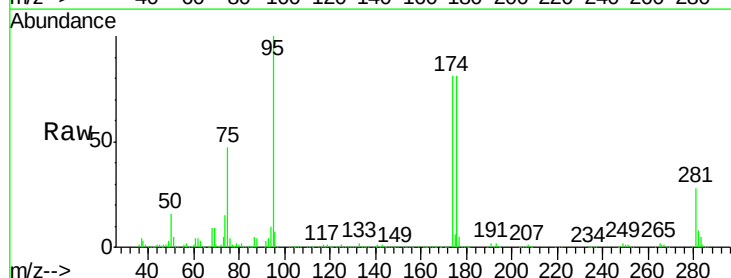
Tgt Ion: 95 Resp: 460407

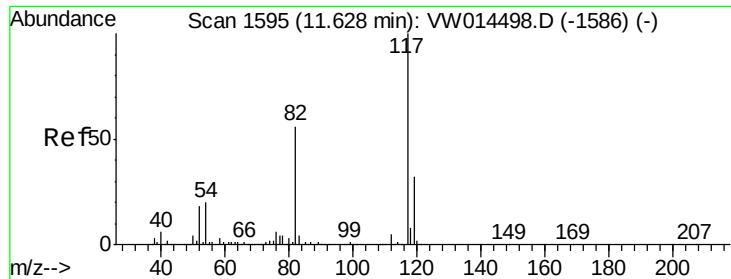
Ion Ratio Lower Upper

95 100

174 83.6 0.0 168.6

176 81.9 0.0 162.0





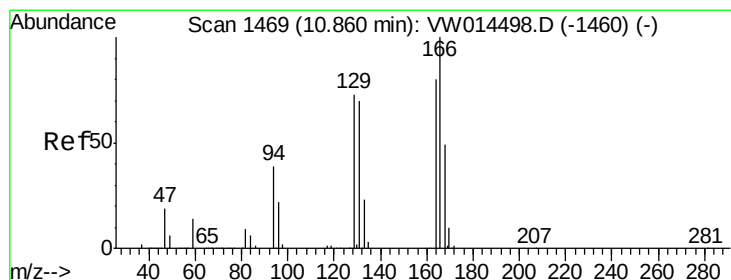
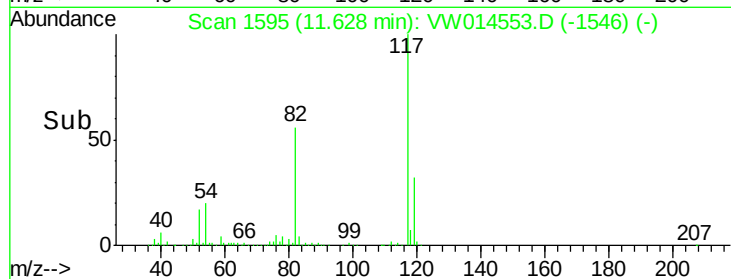
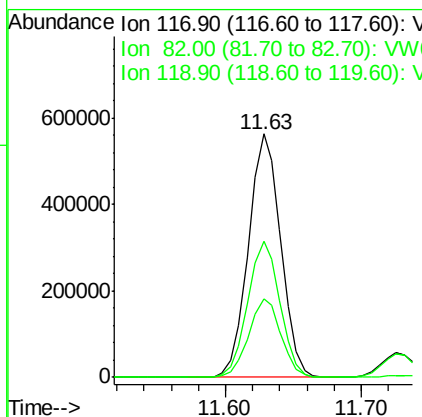
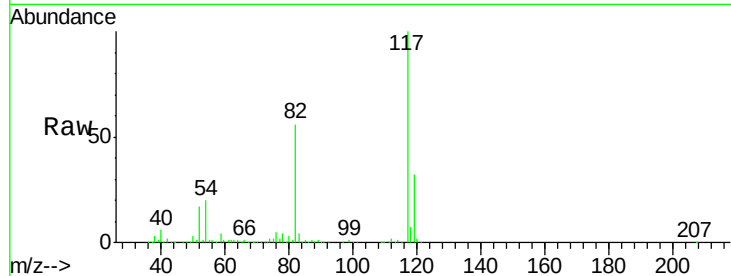
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	56.0	44.6	67.0
119	32.0	25.7	38.5

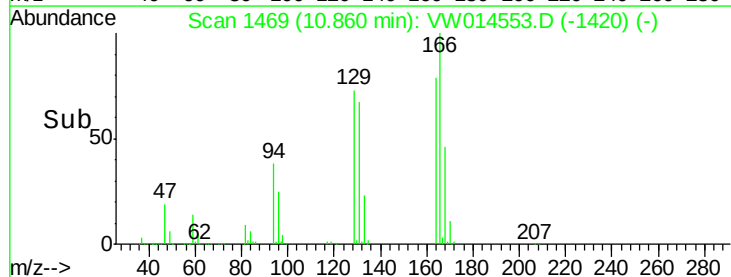
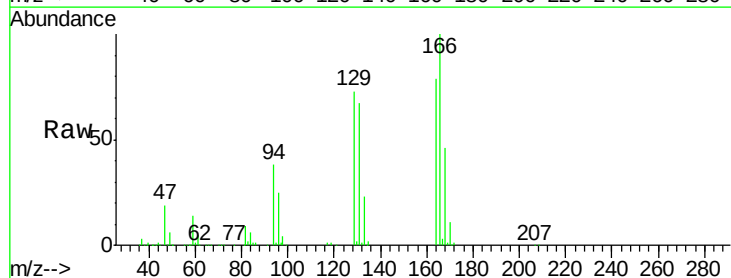
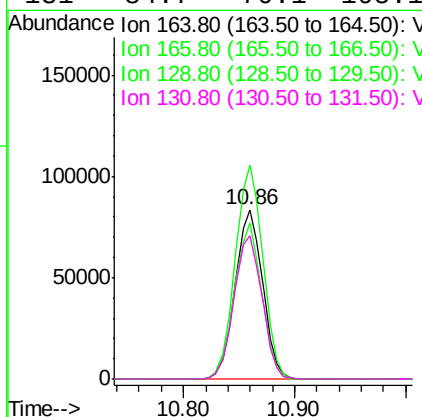
Manual Integrations
APPROVED

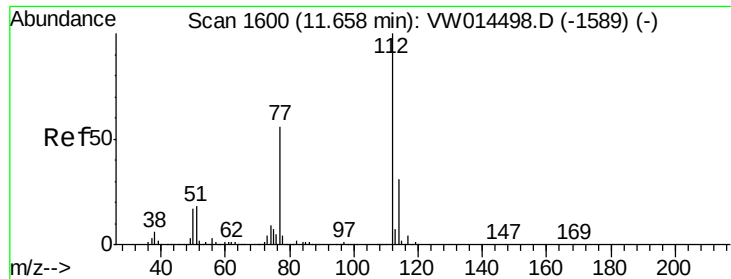
apatel
1/9/2020 9:28:58 AM



#64
Tetrachloroethene
Concen: 20.952 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.3	99.8	149.6
129	92.2	72.4	108.6
131	84.7	70.1	105.1





#65

Chlorobenzene

Concen: 21.565 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion:112 Resp: 414791

Ion Ratio Lower Upper

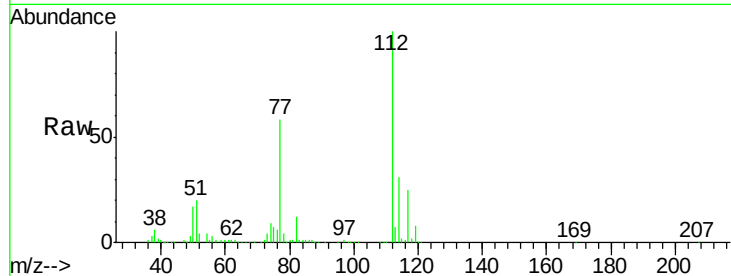
112 100

114 31.3 24.6 37.0

Manual Integrations
APPROVED

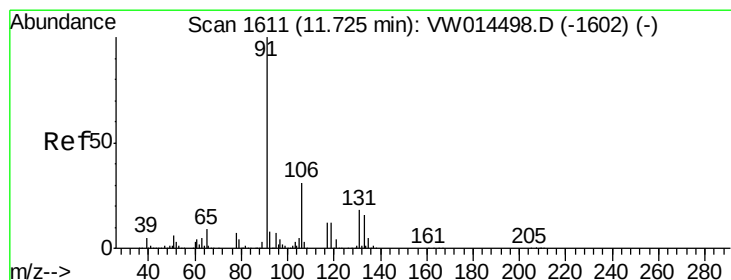
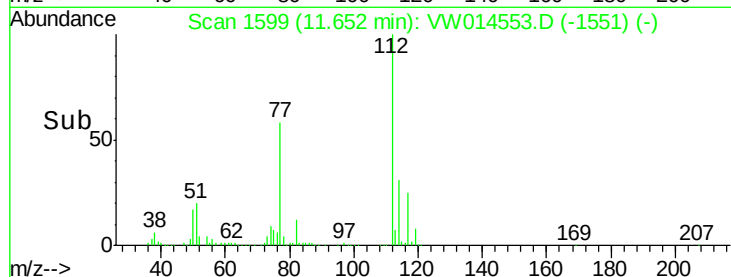
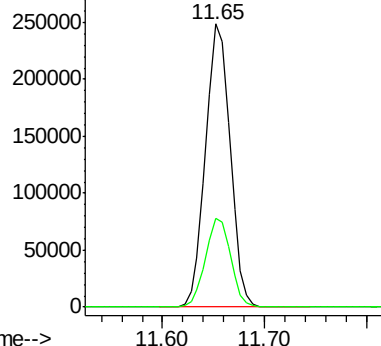
apatel

1/9/2020 9:28:58 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.325 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

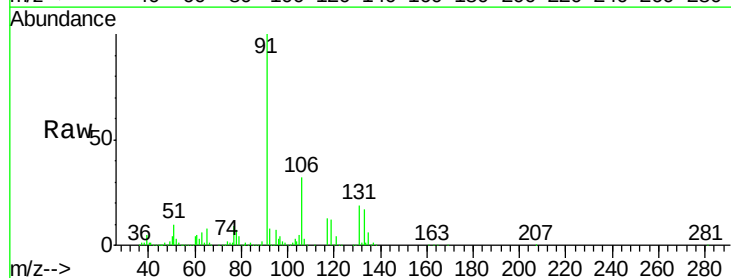
Tgt Ion:131 Resp: 138105

Ion Ratio Lower Upper

131 100

133 94.4 47.3 142.0

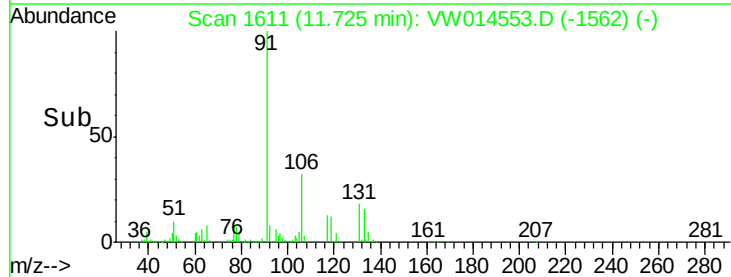
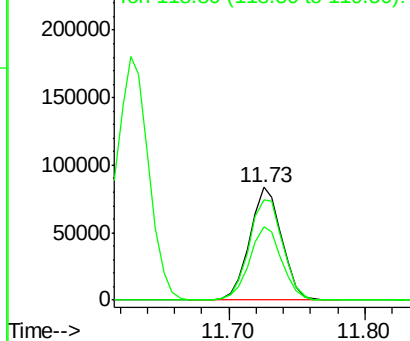
119 65.1 33.1 99.3

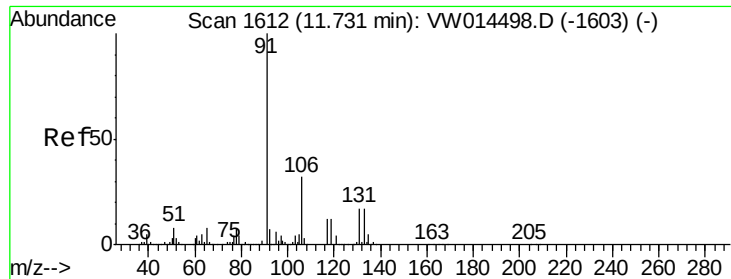


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





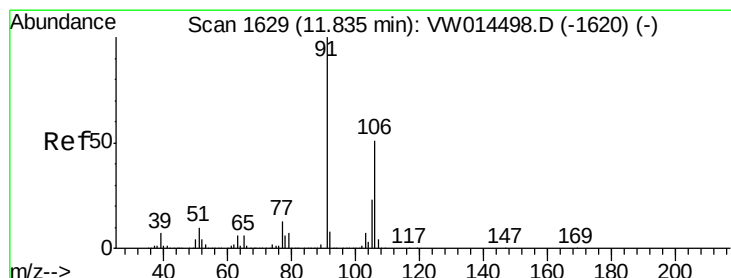
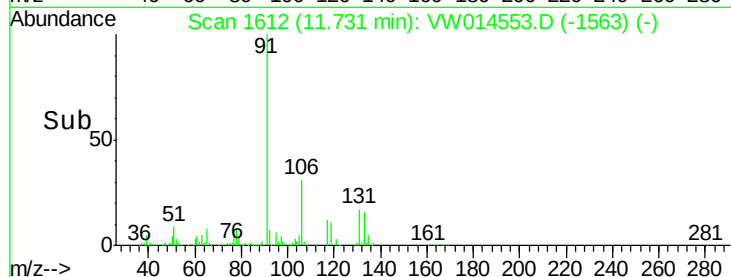
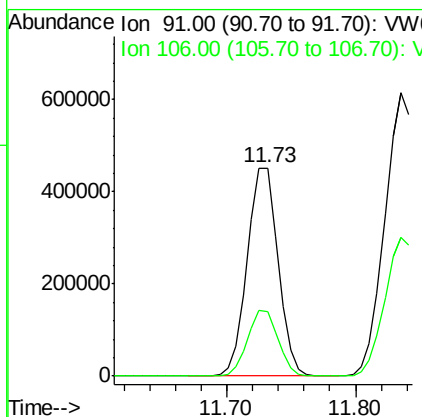
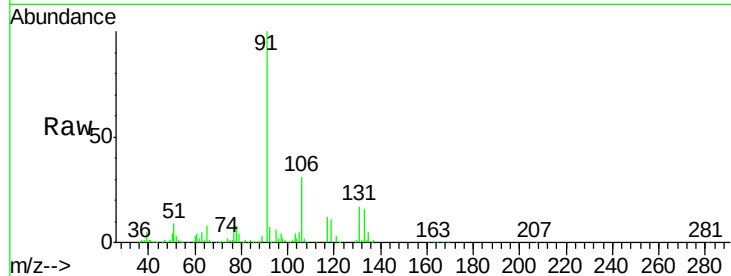
#67
Ethyl Benzene
Concen: 21.500 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion: 91 Resp: 745278
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3

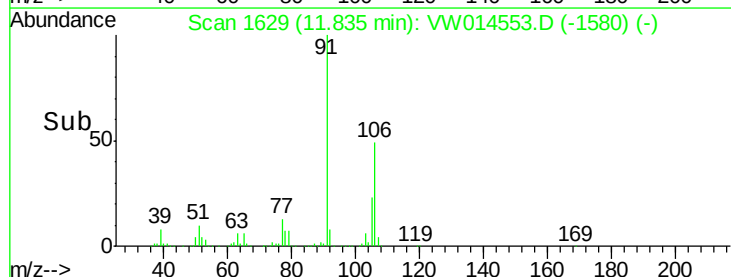
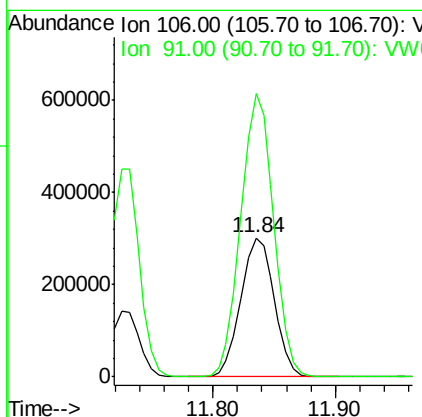
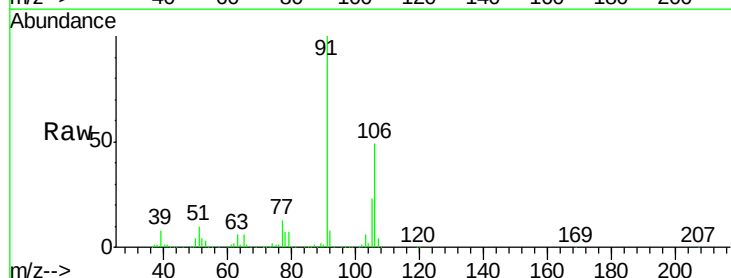
Manual Integrations
APPROVED

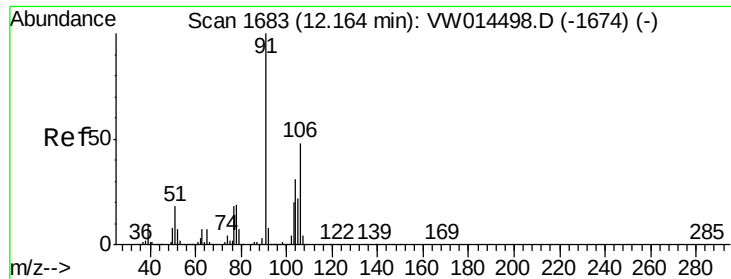
apatel
1/9/2020 9:28:58 AM



#68
m/p-Xylenes
Concen: 43.208 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 106 Resp: 573228
Ion Ratio Lower Upper
106 100
91 199.8 159.0 238.6





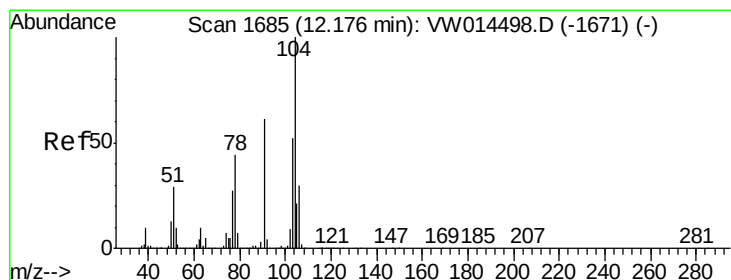
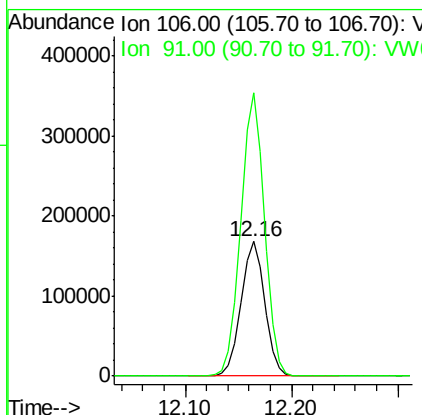
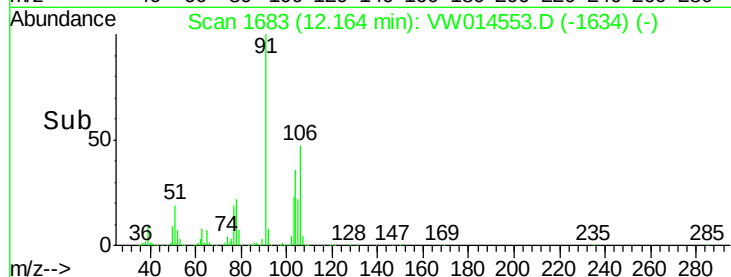
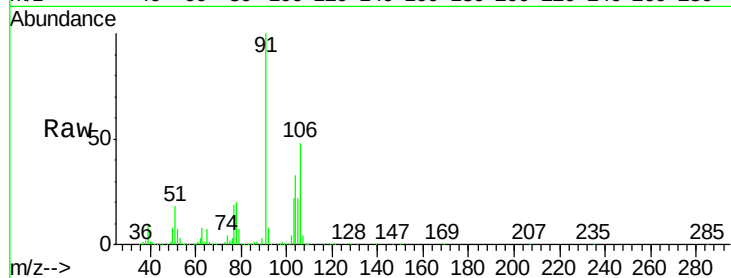
#69
o-Xylene
Concen: 21.519 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion:106 Resp: 263708
Ion Ratio Lower Upper
106 100
91 210.1 105.2 315.6

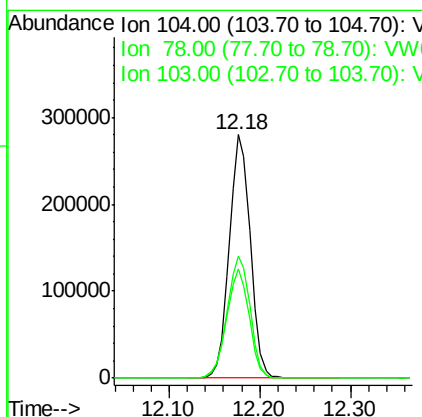
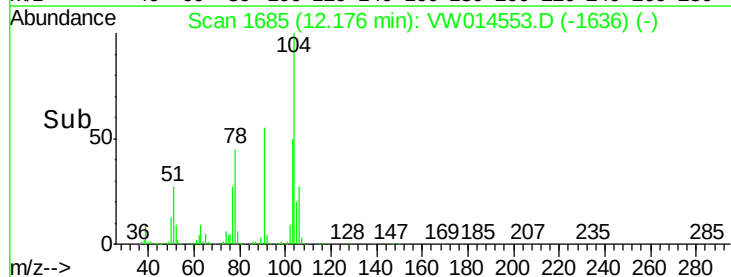
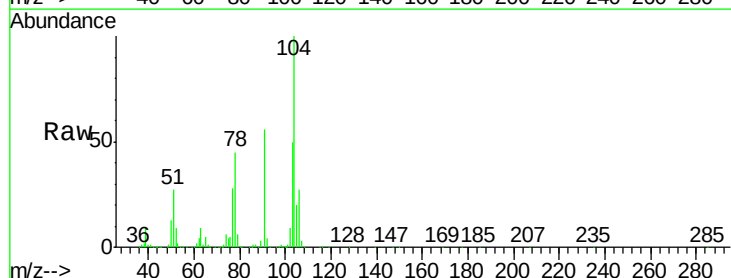
Manual Integrations
APPROVED

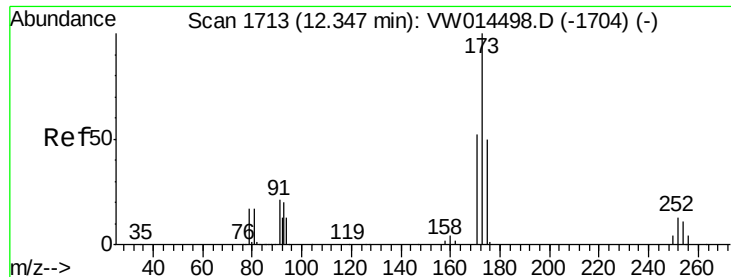
apatel
1/9/2020 9:28:58 AM



#70
Styrene
Concen: 21.757 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion:104 Resp: 450971
Ion Ratio Lower Upper
104 100
78 48.2 38.4 57.6
103 54.5 43.7 65.5





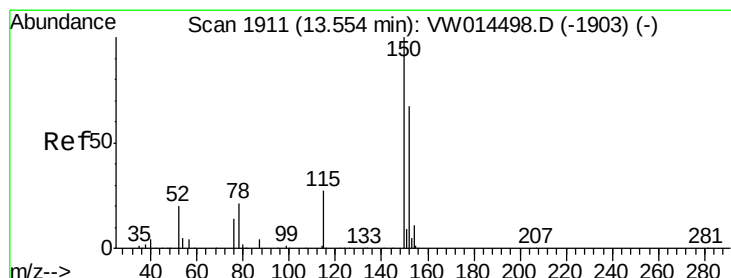
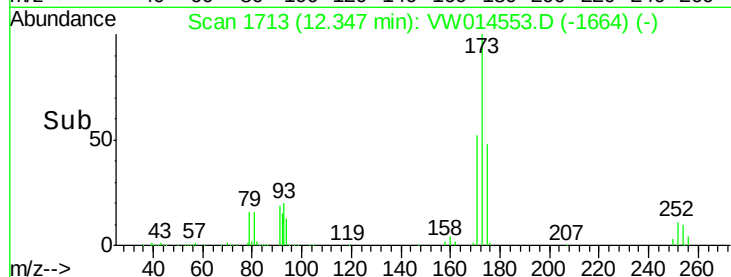
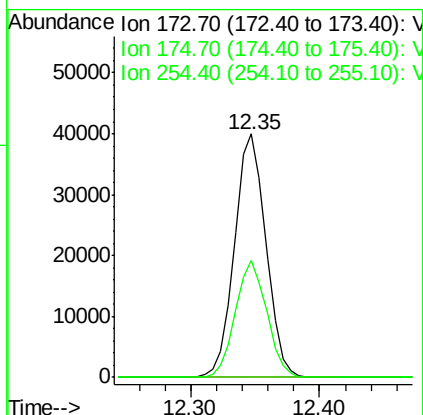
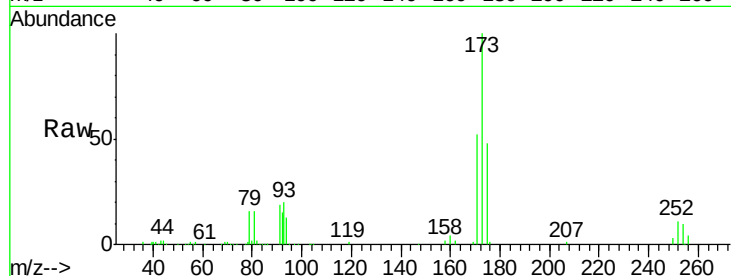
#71
Bromoform
Concen: 19.130 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion:173 Resp: 67577
Ion Ratio Lower Upper
173 100
175 47.8 24.5 73.5
254 0.0 0.0 0.0#

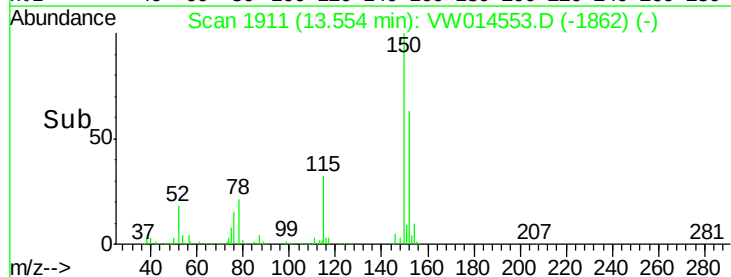
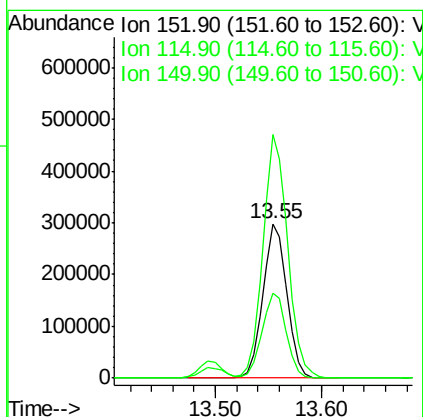
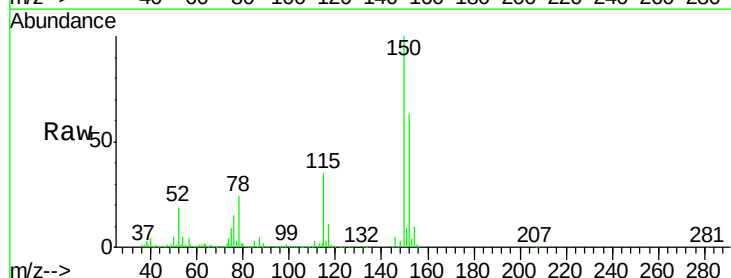
Manual Integrations
APPROVED

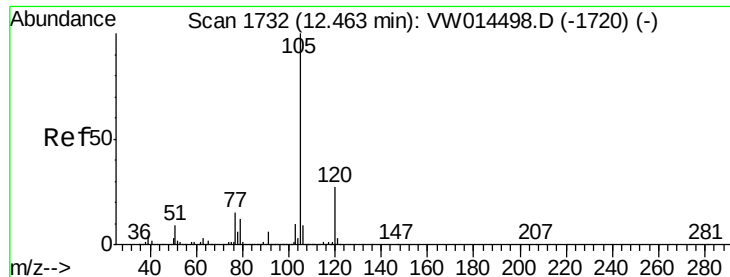
apatel
1/9/2020 9:28:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion:152 Resp: 467579
Ion Ratio Lower Upper
152 100
115 55.5 27.7 83.1
150 163.2 0.0 343.4





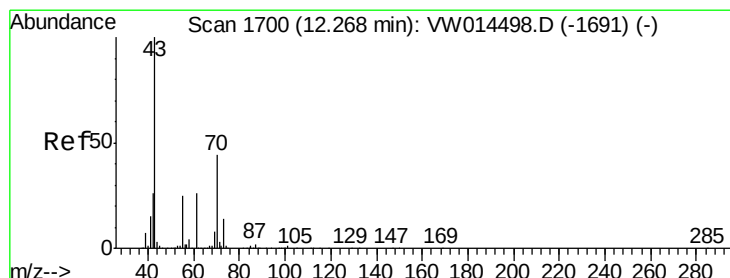
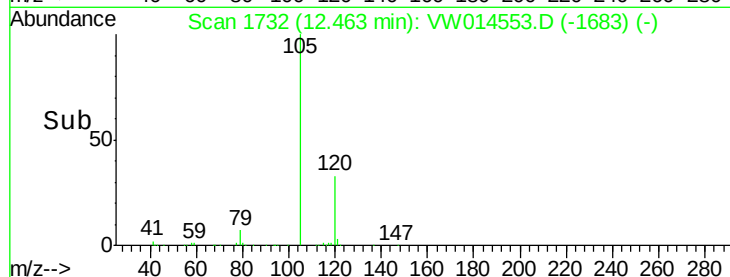
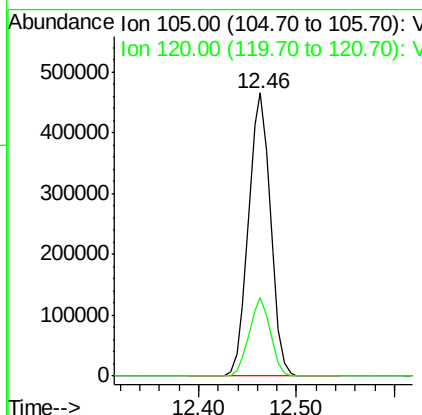
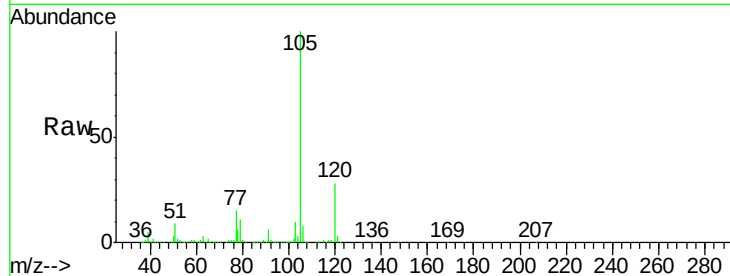
#73
Isopropylbenzene
Concen: 21.182 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

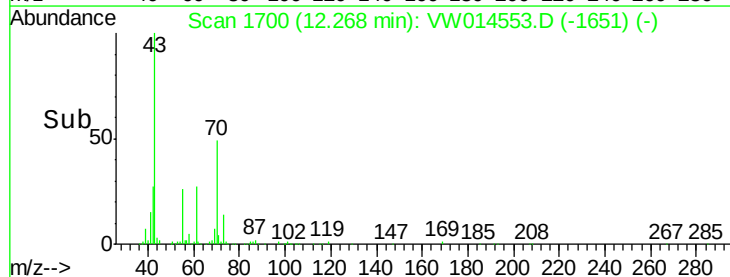
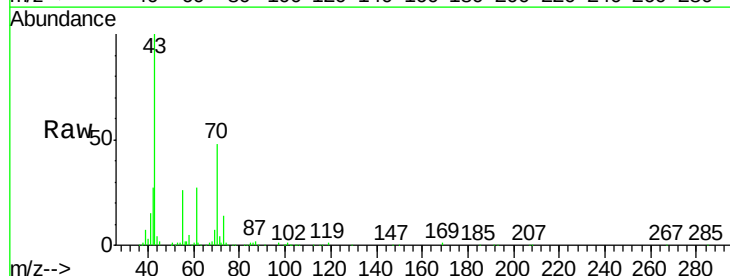
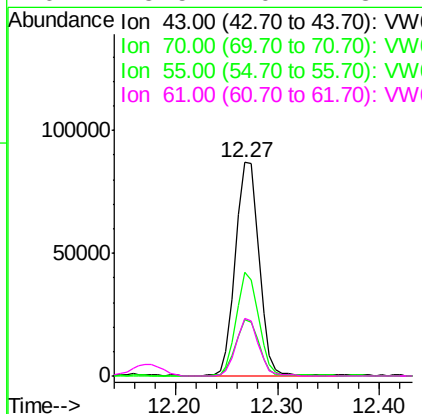
Manual Integrations
APPROVED

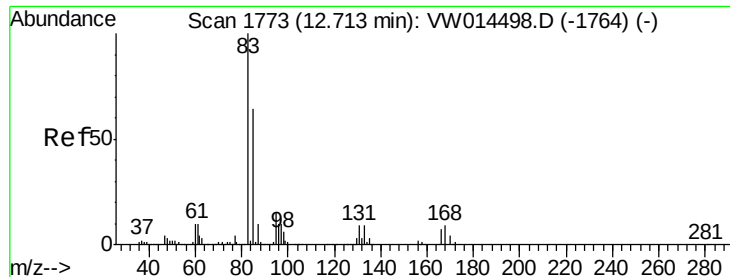
apatel
1/9/2020 9:28:58 AM



#74
N-ethyl acetate
Concen: 18.070 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.0	36.5	54.7
55	26.1	20.9	31.3
61	25.5	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.732 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 83 Resp: 115996

Ion Ratio Lower Upper

83 100

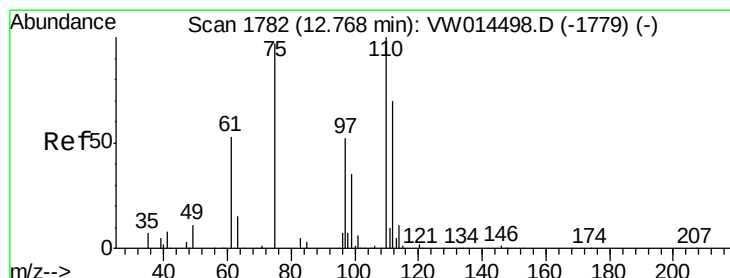
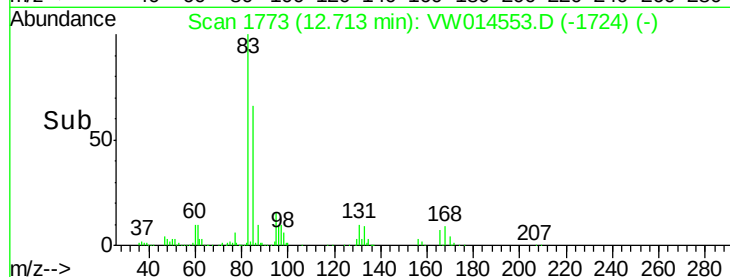
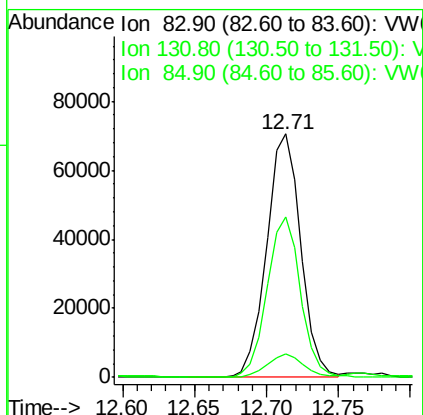
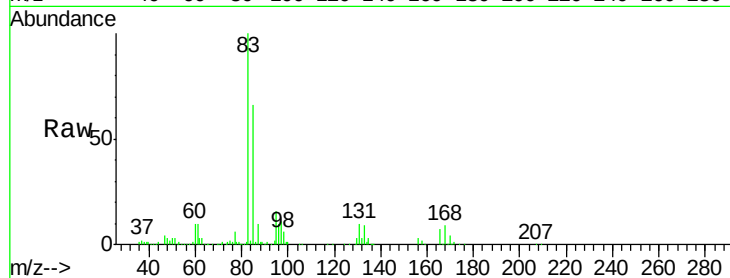
131 10.5 5.1 15.4

85 64.4 31.9 95.7

Manual Integrations
APPROVED

apatel

1/9/2020 9:28:58 AM



#76

1,2,3-Trichloropropane

Concen: 15.474 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014553.D

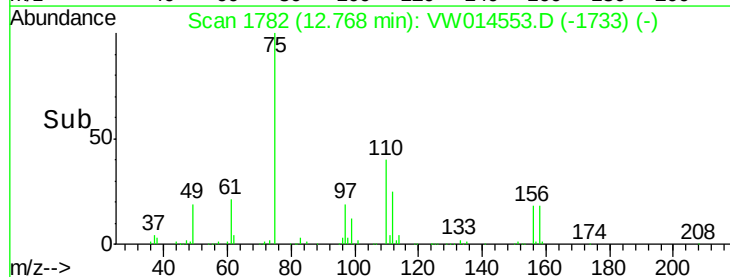
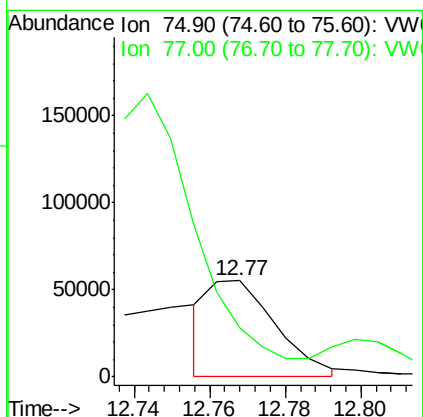
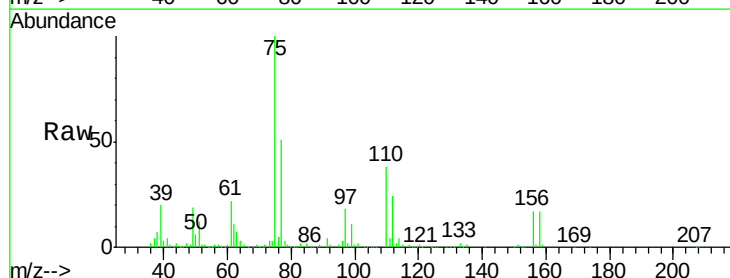
Acq: 08 Jan 2020 11:36

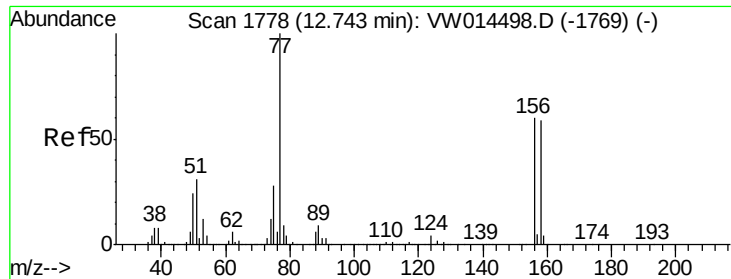
Tgt Ion: 75 Resp: 68407

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.260 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

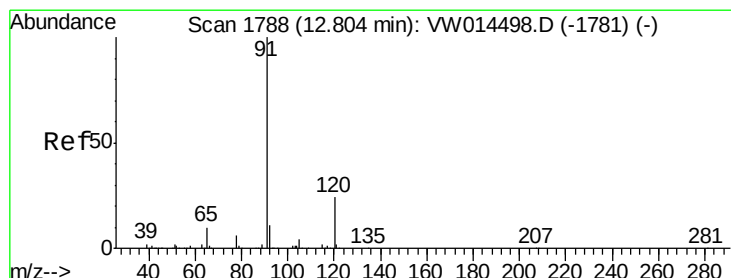
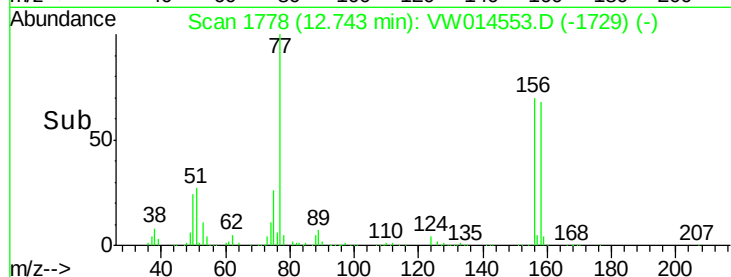
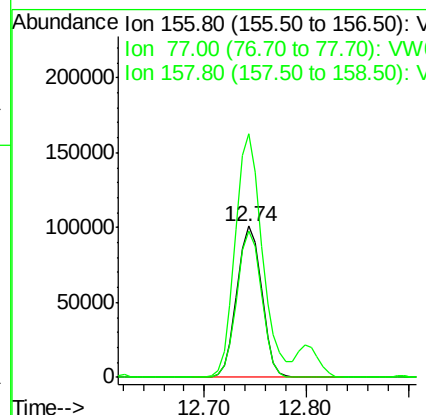
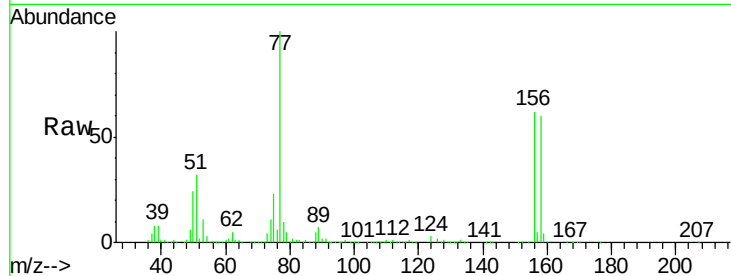
ClientSampled :

VW0108SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	169411		
77	174.9	92.3	277.1	
158	96.1	48.6	145.9	

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#78

n-propylbenzene

Concen: 21.562 ug/l

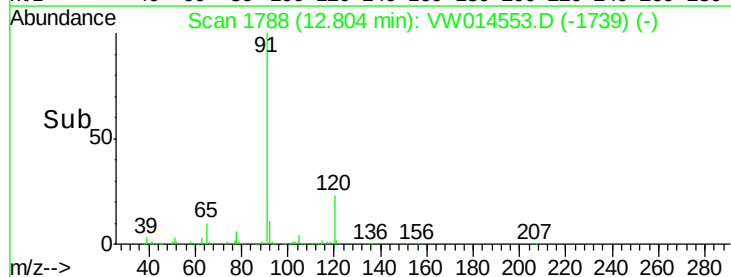
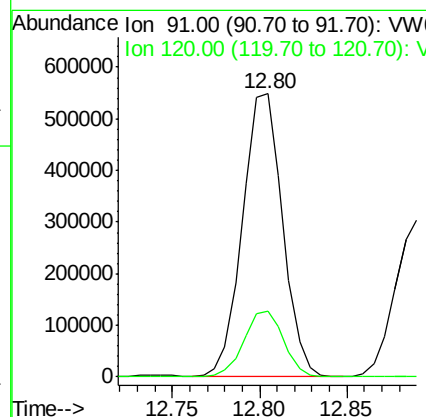
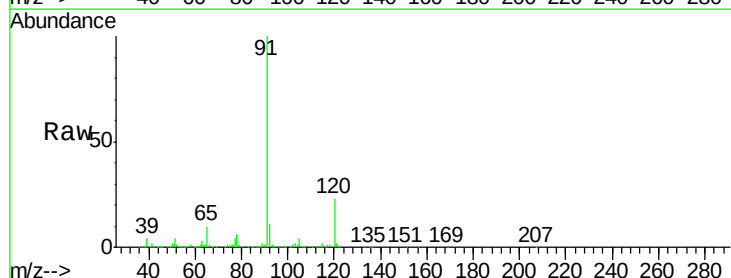
RT: 12.80 min Scan# 1788

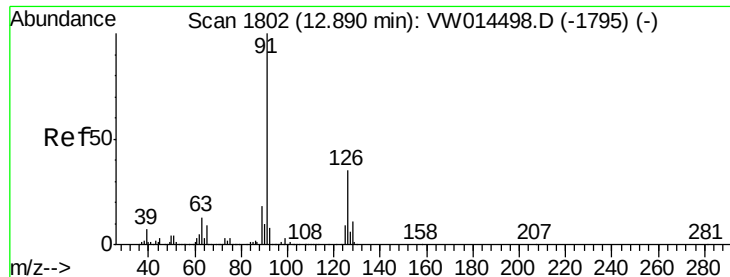
Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	869899		
120	23.1	11.7	35.1	





#79

2-Chlorotoluene

Concen: 21.278 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

VW0108SBS01

Tgt Ion: 91 Resp: 488500

Ion Ratio Lower Upper

91 100

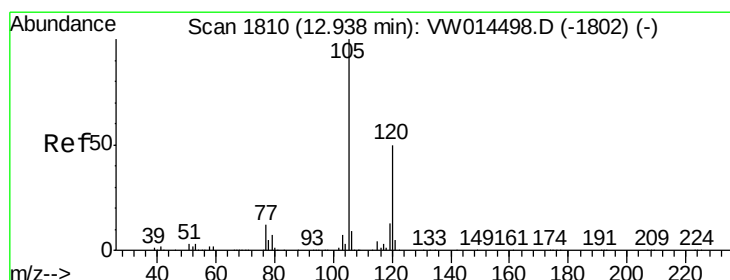
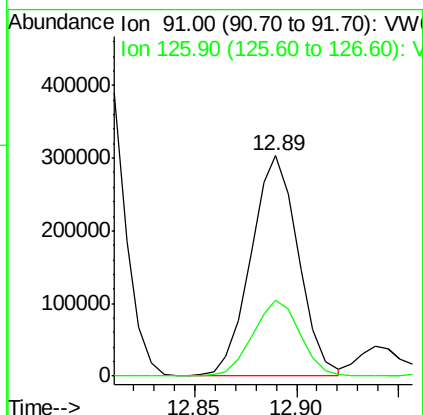
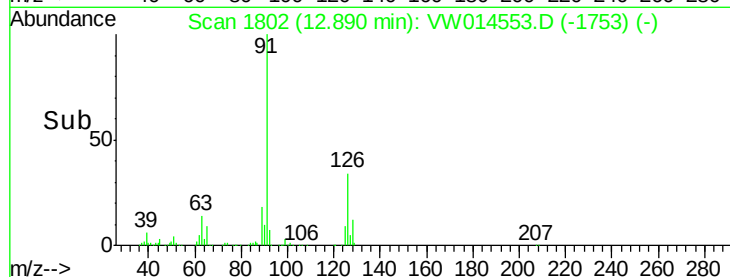
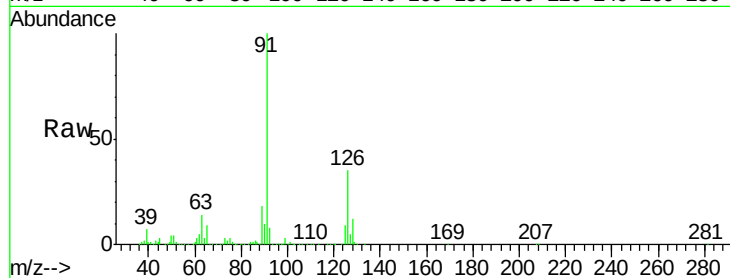
126 34.5 17.1 51.2

Manual Integrations

APPROVED

apatel

1/9/2020 9:28:58 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.405 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014553.D

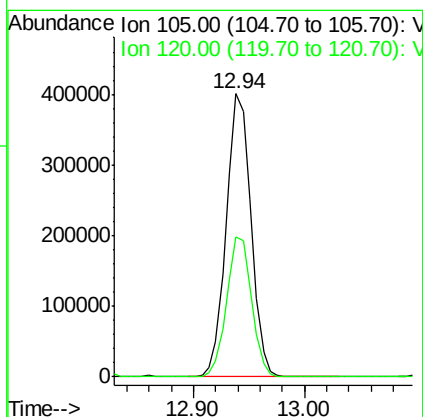
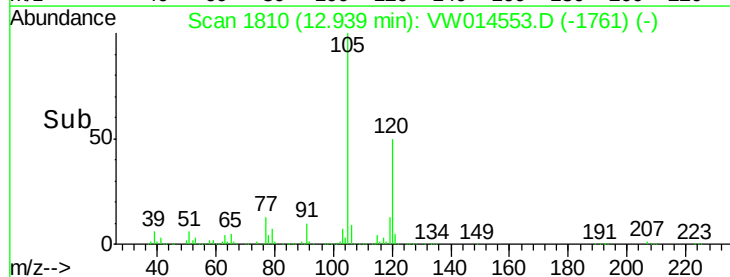
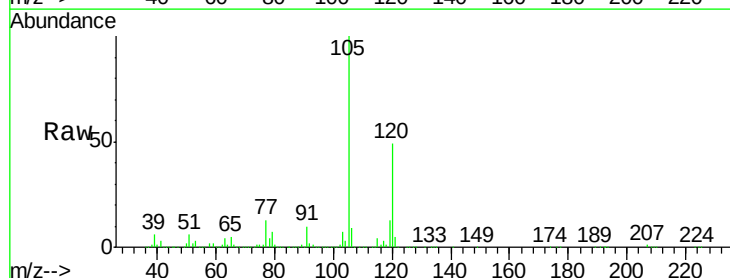
Acq: 08 Jan 2020 11:36

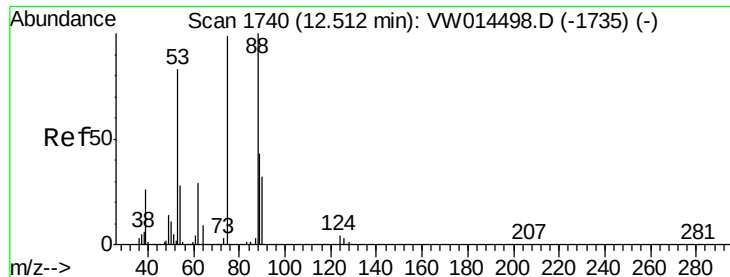
Tgt Ion: 105 Resp: 616618

Ion Ratio Lower Upper

105 100

120 49.9 25.2 75.6





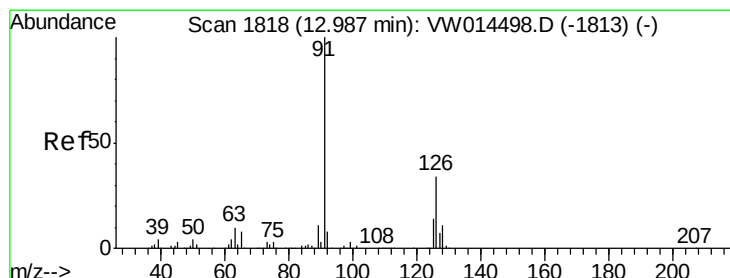
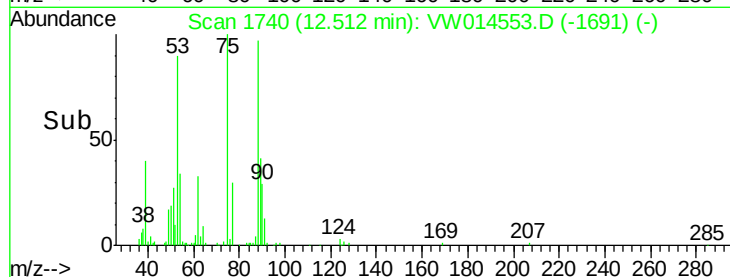
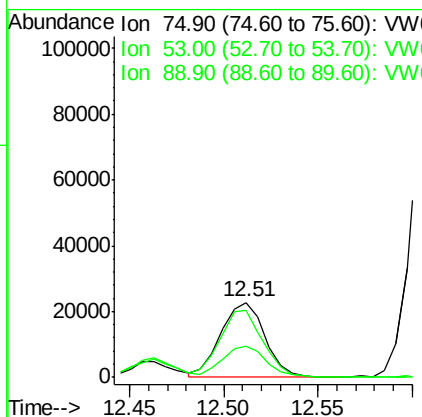
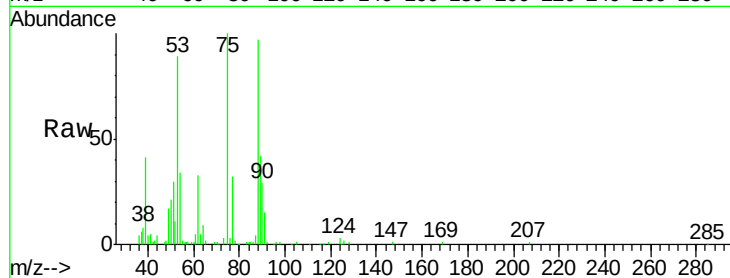
#81
trans-1,4-Dichloro-2-butene
Concen: 18.365 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.1	70.9	106.3
89	41.9	35.8	53.8

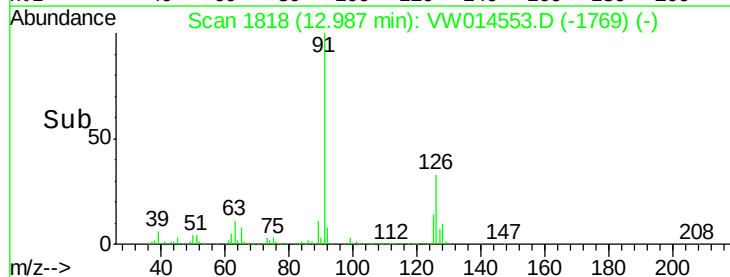
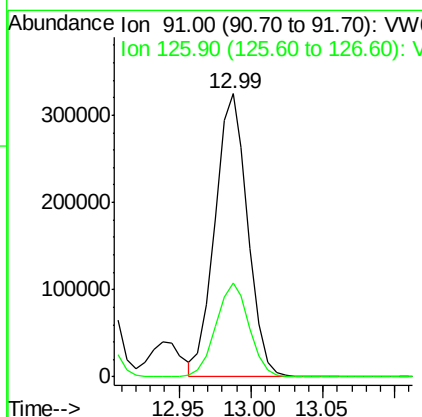
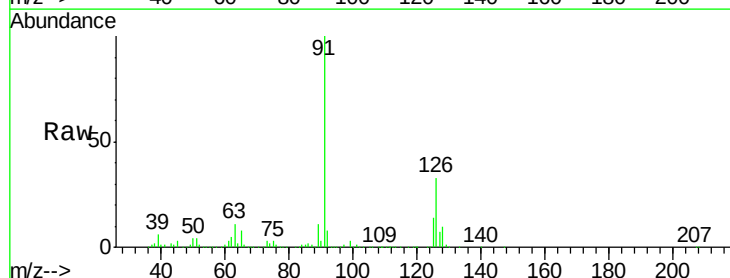
Manual Integrations
APPROVED

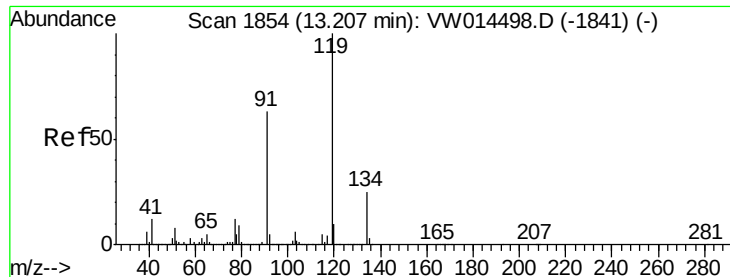
apatel
1/9/2020 9:28:58 AM



#82
4-Chlorotoluene
Concen: 21.503 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.2





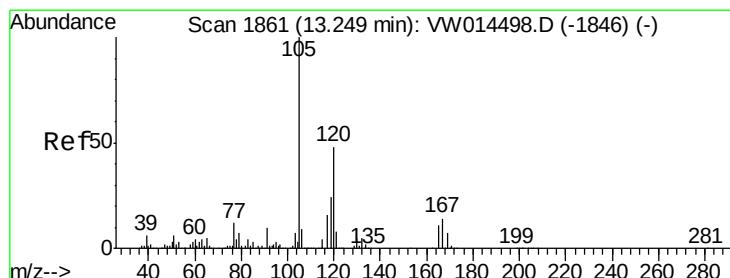
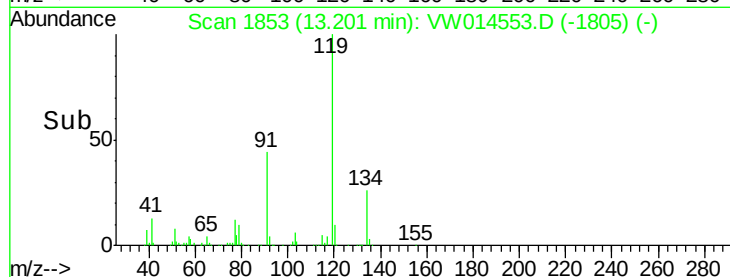
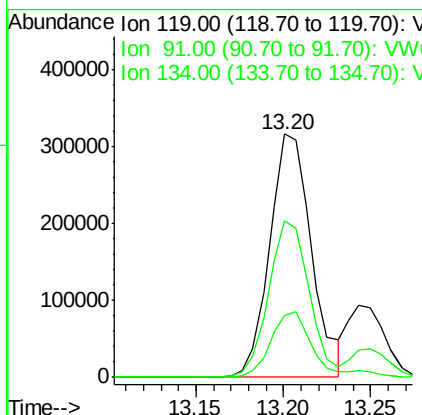
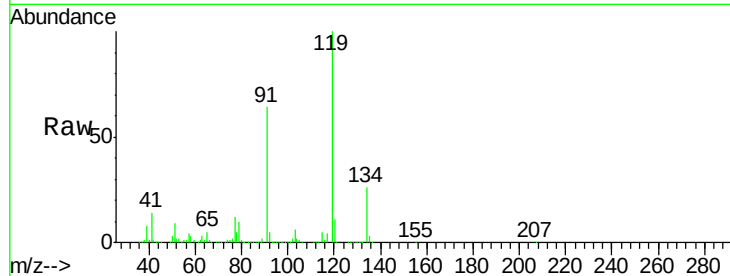
#83
 tert-Butylbenzene
 Concen: 20.923 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.1	93.3
134	27.6	13.5	40.5

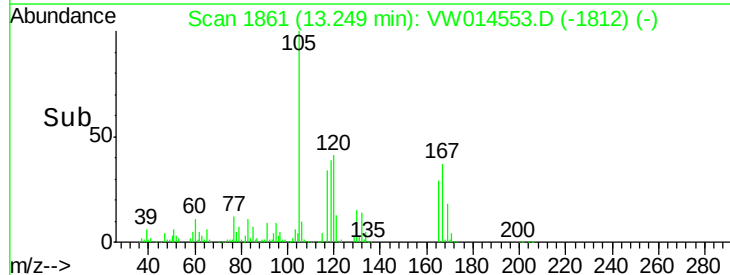
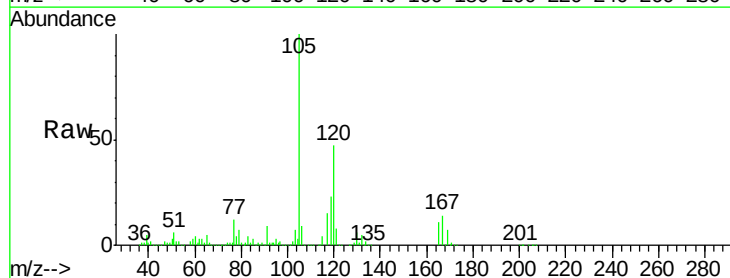
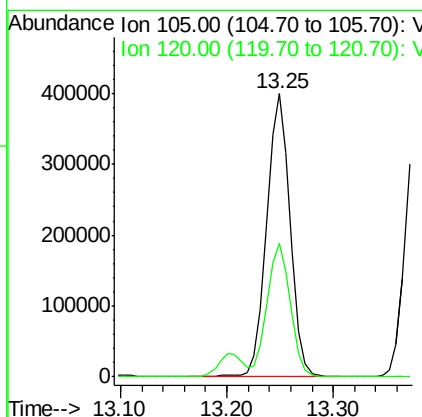
Manual Integrations
 APPROVED

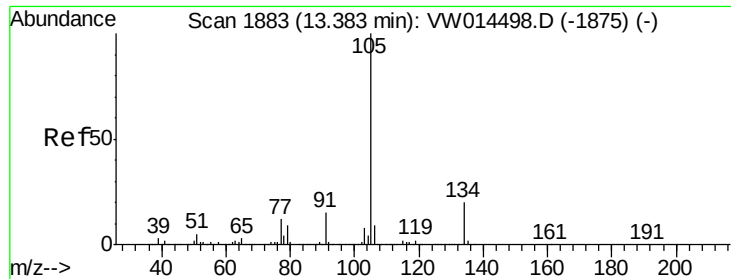
apatel
 1/9/2020 9:28:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.480 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.0





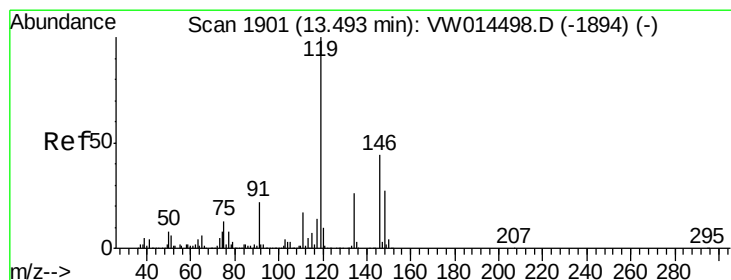
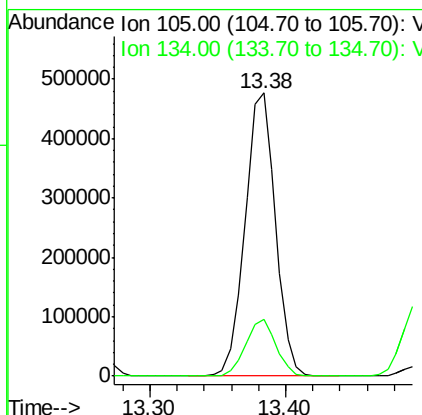
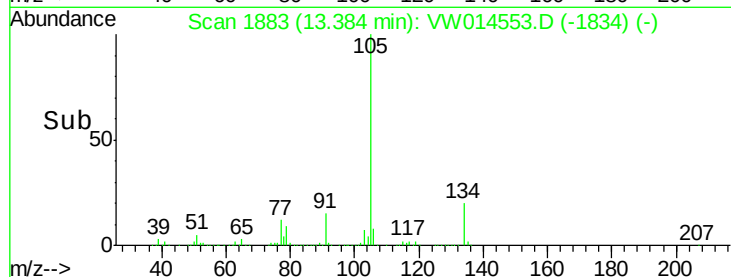
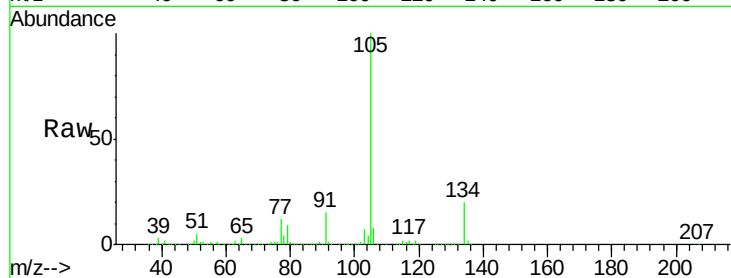
#85
 sec-Butylbenzene
 Concen: 21.298 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :
 VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.6

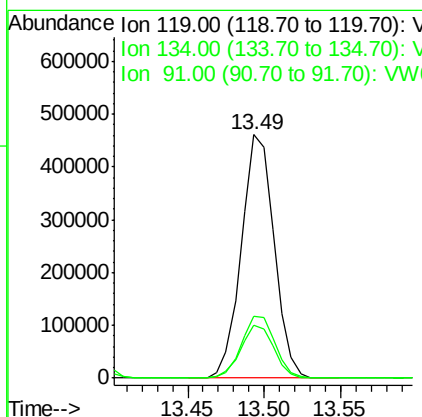
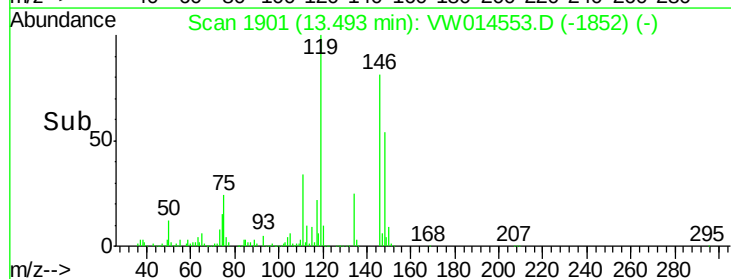
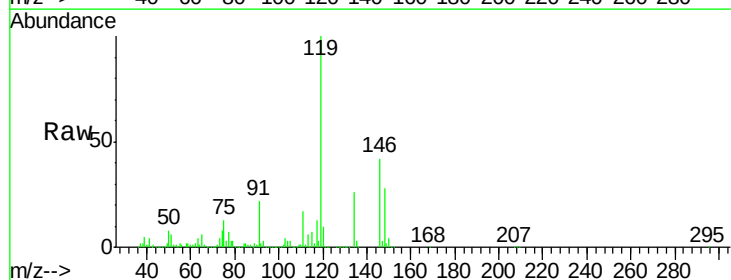
Manual Integrations
 APPROVED

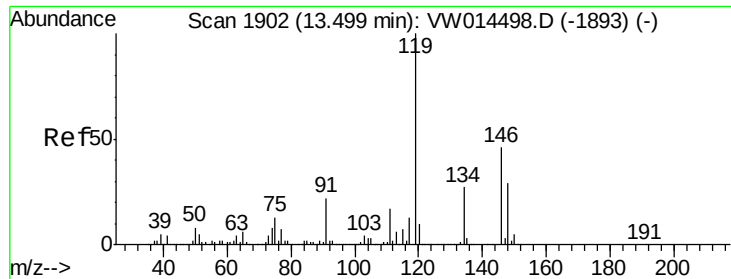
apatel
 1/9/2020 9:28:58 AM



#86
 p-Isopropyltoluene
 Concen: 21.528 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.5
91	21.9	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 21.233 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

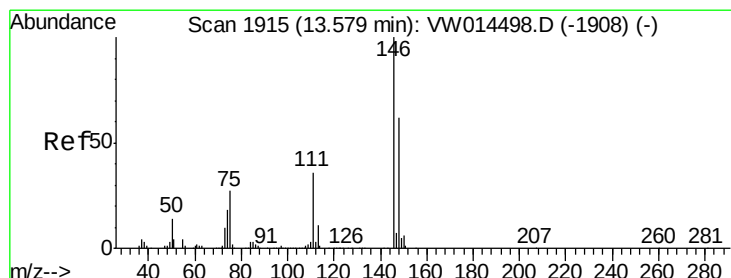
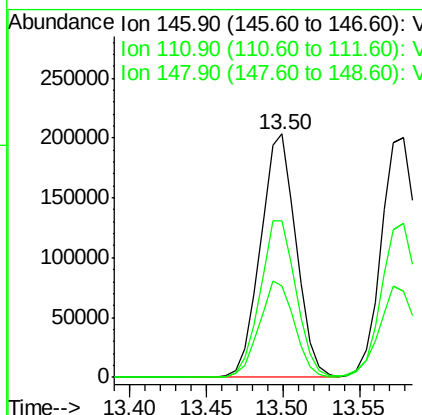
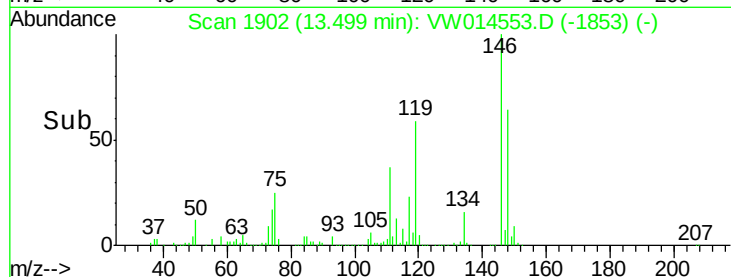
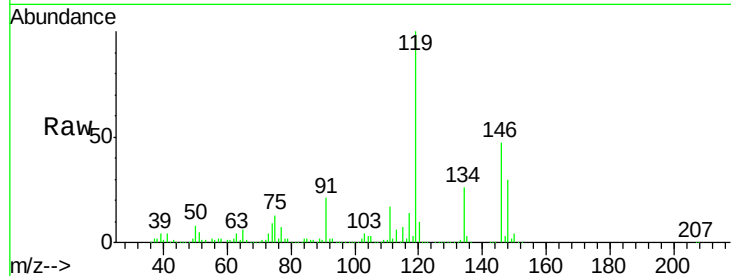
Instrument :
MSVOA_W

ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	65.1	31.8	95.4

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#88

1,4-Dichlorobenzene

Concen: 21.370 ug/l

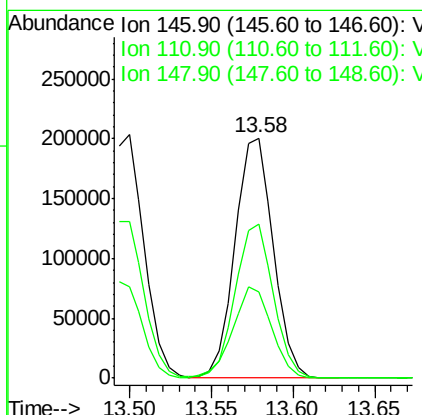
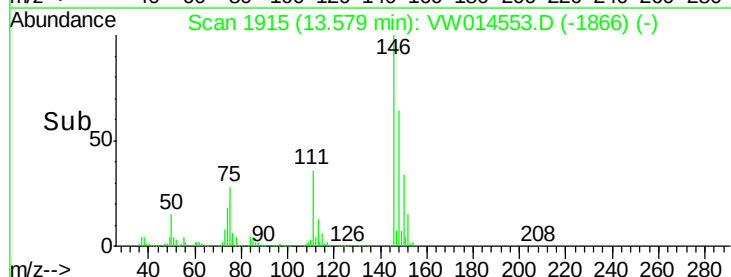
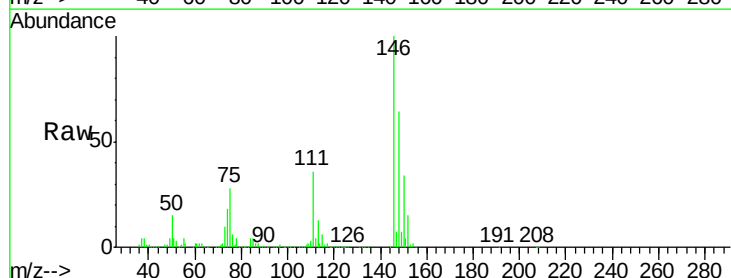
RT: 13.58 min Scan# 1915

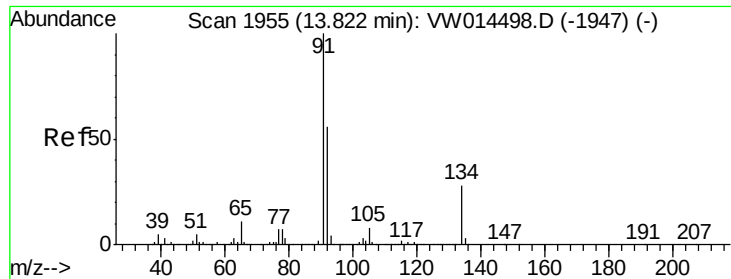
Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.7	56.1
148	64.1	31.7	95.1





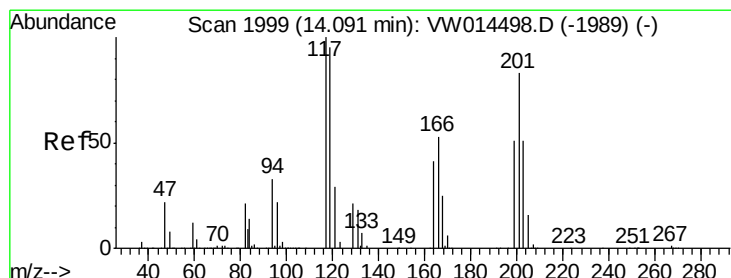
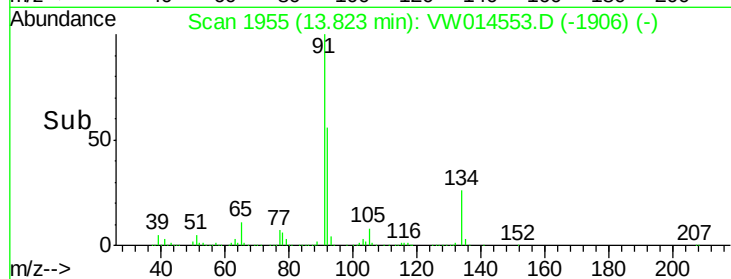
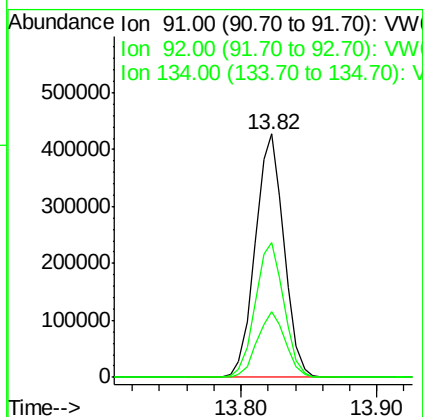
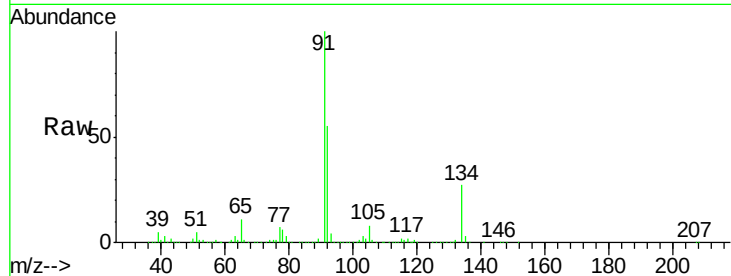
#89
n-Butylbenzene
Concen: 21.355 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :
VW0108SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.5
134	26.6	13.7	41.1

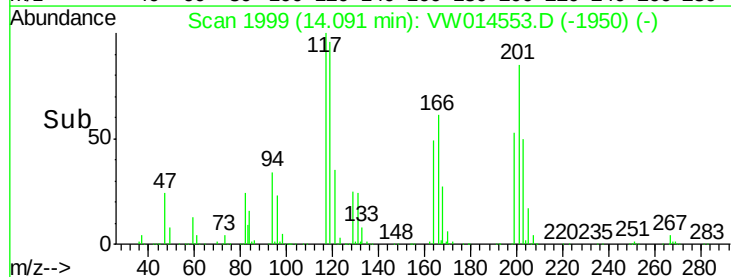
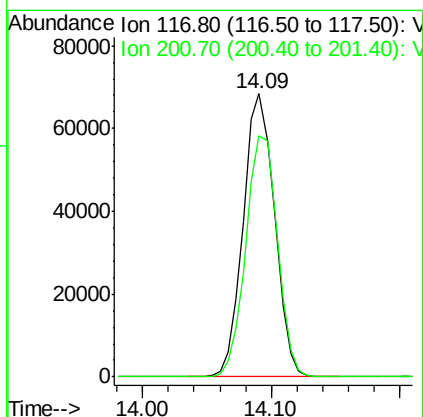
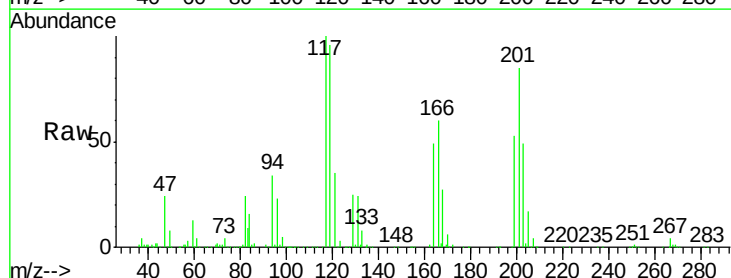
Manual Integrations
APPROVED

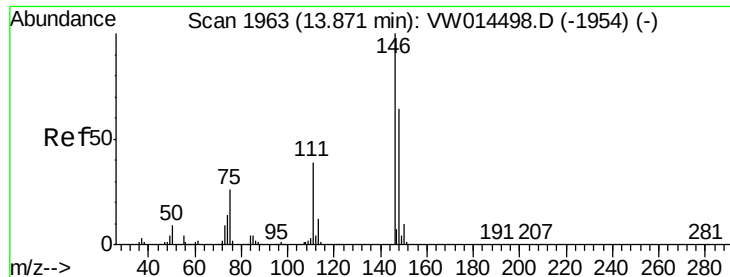
apatel
1/9/2020 9:28:58 AM



#90
Hexachloroethane
Concen: 20.689 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.0	128.8





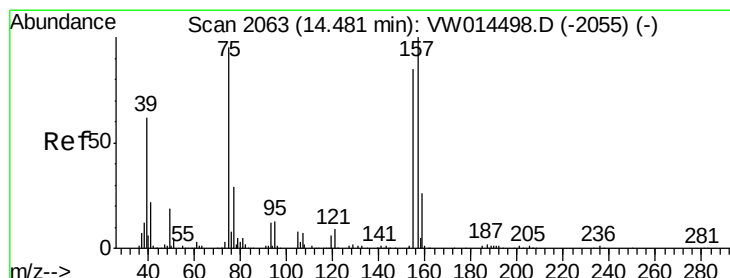
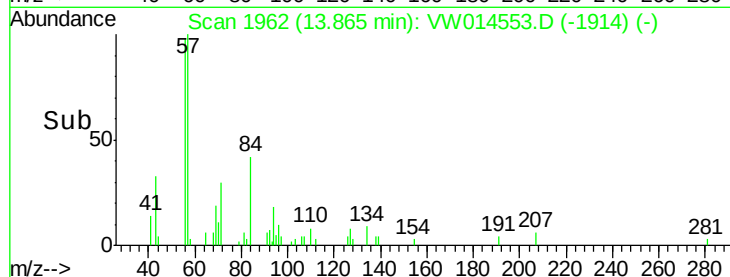
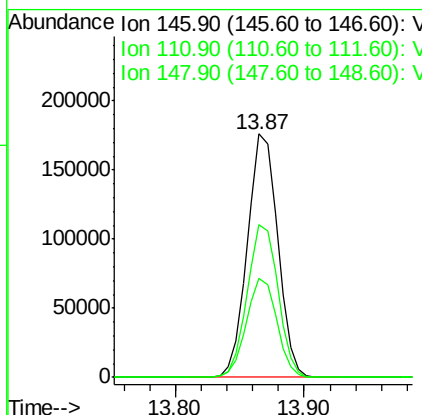
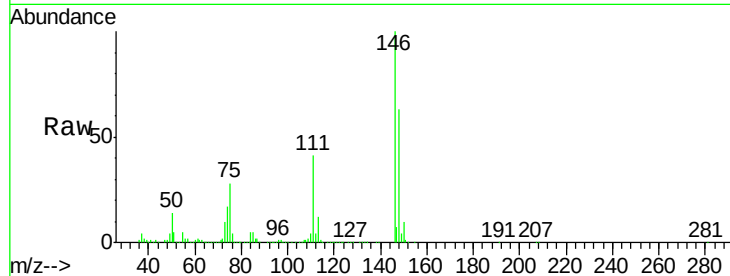
#91
 1,2-Dichlorobenzene
 Concen: 21.055 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286752		
111	40.7	20.4	61.3	
148	63.5	32.3	96.8	

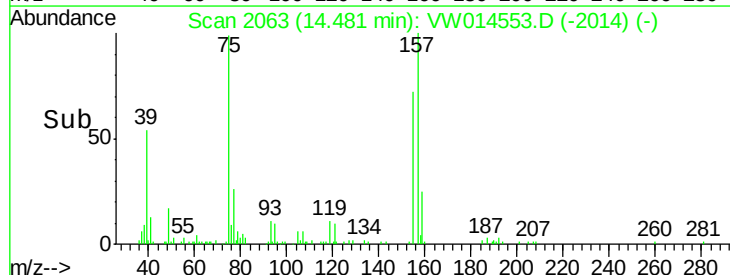
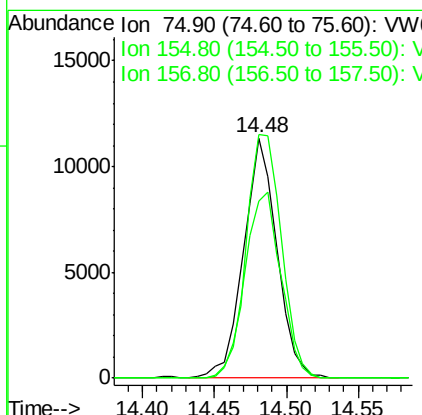
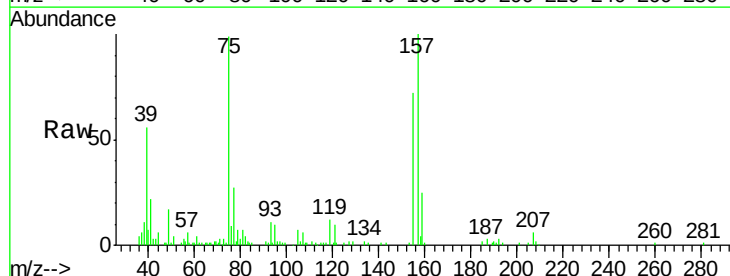
Manual Integrations
 APPROVED

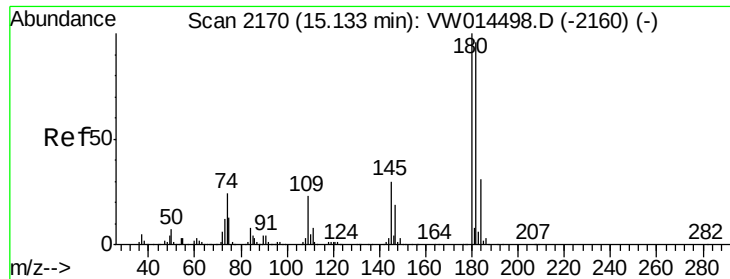
apatel
 1/9/2020 9:28:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.588 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18228		
155	82.7	45.8	137.4	
157	106.6	58.1	174.2	





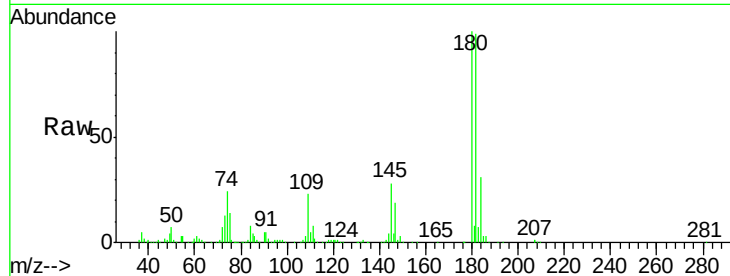
#93
 1,2,4-Trichlorobenzene
 Concen: 21.065 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0108SBS01

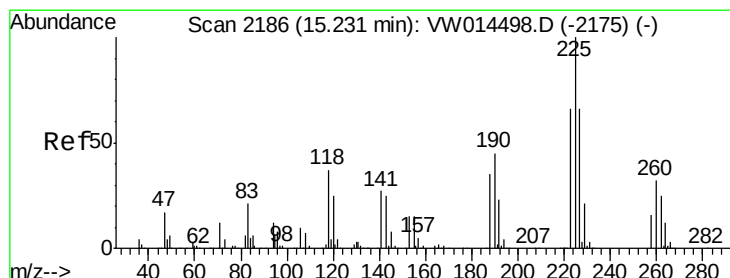
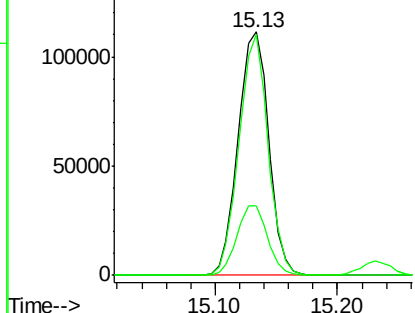
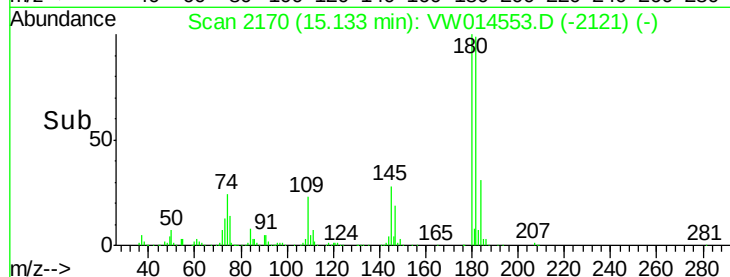
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	193730		
182	93.7	47.3	141.8	
145	28.7	14.7	44.1	

Manual Integrations
 APPROVED

apatel
 1/9/2020 9:28:58 AM

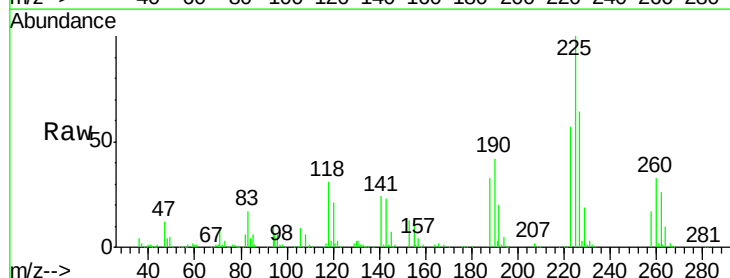


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

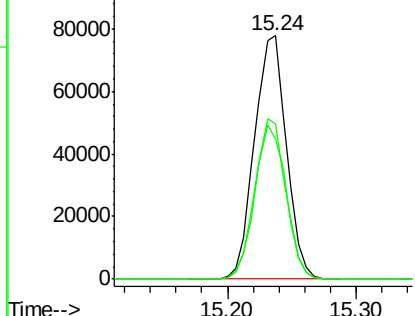
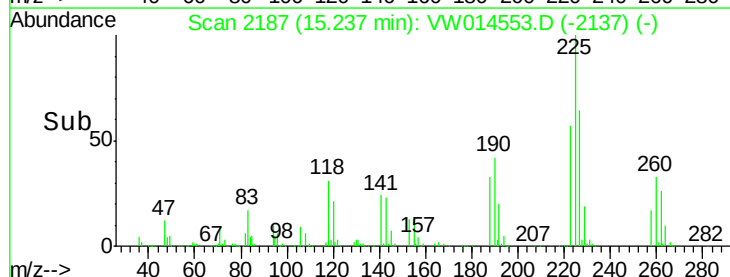


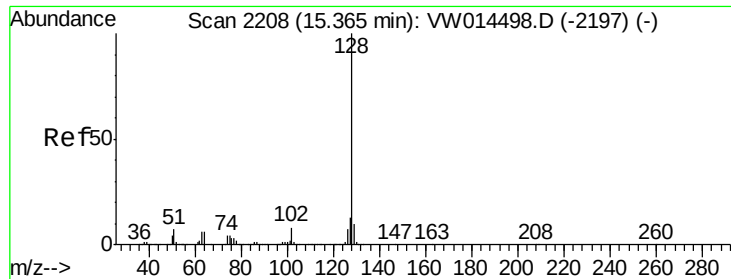
#94
 Hexachlorobutadiene
 Concen: 21.535 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132728		
223	61.8	32.4	97.2	
227	64.2	32.6	97.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





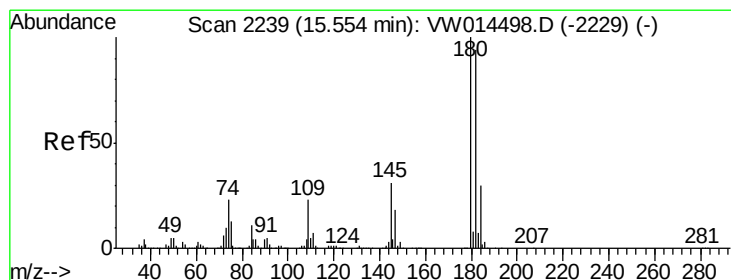
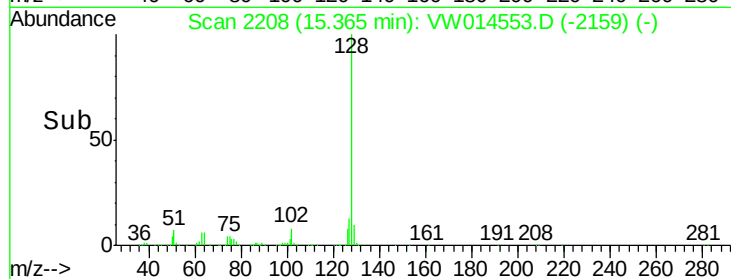
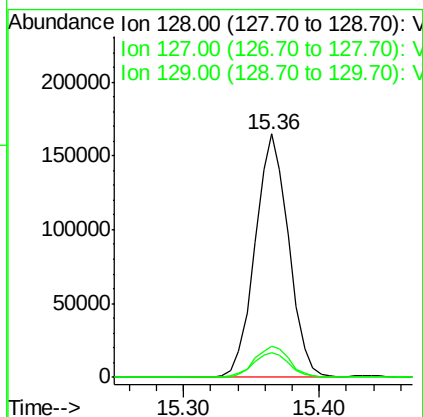
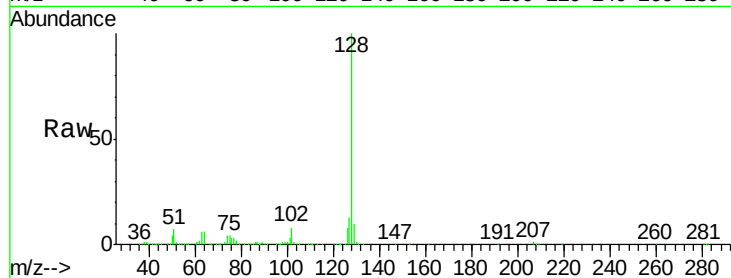
#95
Naphthalene
Concen: 18.121 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampled :
VW0108SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	284221		
127	13.3	10.6	15.8	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

apatel
1/9/2020 9:28:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.259 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	162412		
182	95.9	47.4	142.2	
145	31.4	15.5	46.5	

