

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016863.D
 Acq On : 09 Oct 2020 15:46
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 10/12/2020 1:58:49 PM

Quant Time: Oct 10 05:12:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 04:56:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	403651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	589923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	532917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	486913	148.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.60%	
35) Dibromofluoromethane	7.88	113	533100	147.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.88%	
50) Toluene-d8	10.33	98	2034728	150.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.16%	
62) 4-Bromofluorobenzene	12.62	95	718528	153.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	278542	126.510	ug/l	98
3) Chloromethane	2.21	50	332448	137.717	ug/l	97
4) Vinyl Chloride	2.37	62	465412	133.323	ug/l	98
5) Bromomethane	2.78	94	371743	138.659	ug/l	98
6) Chloroethane	2.92	64	310396	139.722	ug/l	97
7) Trichlorofluoromethane	3.26	101	385011	151.489	ug/l	98
8) Diethyl Ether	3.68	74	227560	143.353	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	471150	137.677	ug/l	99
10) Methyl Iodide	4.28	142	783913	143.285	ug/l	99
11) Tert butyl alcohol	5.22	59	108604	626.512	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	487229	144.240	ug/l	97
13) Acrolein	3.90	56	149640	689.816	ug/l	99
14) Allyl chloride	4.67	41	595922	147.380	ug/l	99
15) Acrylonitrile	5.37	53	364300	689.445	ug/l	99
16) Acetone	4.14	43	353962	665.633	ug/l	97
17) Carbon Disulfide	4.39	76	1285577	143.046	ug/l	99
18) Methyl Acetate	4.68	43	164905	135.205	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	494099	135.716	ug/l	100
20) Methylene Chloride	4.92	84	486164	115.373	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	536323	141.431	ug/l	96
22) Diisopropyl ether	6.31	45	1046628	142.422	ug/l	99
23) Vinyl Acetate	6.26	43	3469833	736.869	ug/l	98
24) 1,1-Dichloroethane	6.22	63	840083	144.165	ug/l	99
25) 2-Butanone	7.18	43	490477	691.855	ug/l	99
26) 2,2-Dichloropropane	7.17	77	485113	136.069	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	592623	145.912	ug/l	98
28) Bromochloromethane	7.51	49	335237	143.742	ug/l	97
29) Tetrahydrofuran	7.54	42	269193	677.913	ug/l	99
30) Chloroform	7.68	83	908857	143.468	ug/l	99
31) Cyclohexane	7.96	56	646138	129.997	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	764250	143.026	ug/l	98
36) 1,1-Dichloropropene	8.09	75	711754	139.532	ug/l	99
37) Ethyl Acetate	7.26	43	222514	133.545	ug/l	99
38) Carbon Tetrachloride	8.07	117	762881	143.872	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016863.D
 Acq On : 09 Oct 2020 15:46
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 10/12/2020 1:58:49 PM

Quant Time: Oct 10 05:12:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 04:56:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	840738	144.564	ug/l	97
40) Benzene	8.32	78	1982346	139.506	ug/l	98
41) Methacrylonitrile	7.49	41	146116	204.375	ug/l	91
42) 1,2-Dichloroethane	8.40	62	542723	139.629	ug/l	100
43) Isopropyl Acetate	8.43	43	458049	143.501	ug/l	100
44) Trichloroethene	9.10	130	623995	141.877	ug/l	100
45) 1,2-Dichloropropane	9.37	63	455769	140.650	ug/l	99
46) Dibromomethane	9.46	93	258996	139.737	ug/l	99
47) Bromodichloromethane	9.65	83	681456	147.870	ug/l	99
48) Methyl methacrylate	9.44	41	220185	149.693	ug/l	98
49) 1,4-Dioxane	9.48	88	59283	2780.703	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	1096357	678.947	ug/l	100
52) Toluene	10.39	92	1331563	141.758	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	654843	156.084	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	780166	152.243	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	368385	139.634	ug/l	98
56) Ethyl methacrylate	10.65	69	432243	150.607	ug/l	100
57) 1,3-Dichloropropane	10.93	76	601334	137.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1177077	740.115	ug/l	100
59) 2-Hexanone	10.97	43	752128	703.969	ug/l	99
60) Dibromochloromethane	11.13	129	477936	147.699	ug/l	99
61) 1,2-Dibromoethane	11.24	107	363231	139.026	ug/l	98
64) Tetrachloroethene	10.87	164	509329	134.146	ug/l	97
65) Chlorobenzene	11.66	112	1469424	140.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	545220	147.492	ug/l	99
67) Ethyl Benzene	11.73	91	2581459	141.724	ug/l	100
68) m/p-Xylenes	11.84	106	2027839	286.249	ug/l	98
69) o-Xylene	12.17	106	948563	145.912	ug/l	99
70) Styrene	12.18	104	1587193	146.695	ug/l	99
71) Bromoform	12.35	173	278137	149.872	ug/l #	100
73) Isopropylbenzene	12.47	105	2614419	151.817	ug/l	99
74) N-amyl acetate	12.27	43	424785	153.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	380174	140.702	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	264147m	158.033	ug/l	
77) Bromobenzene	12.75	156	632560	148.596	ug/l	99
78) n-propylbenzene	12.80	91	2955839	148.833	ug/l	100
79) 2-Chlorotoluene	12.90	91	1701583	150.194	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2153324	149.205	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	121304	168.656	ug/l	97
82) 4-Chlorotoluene	12.99	91	1730139	147.933	ug/l	100
83) tert-Butylbenzene	13.21	119	1906196	152.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2141643	148.927	ug/l	99
85) sec-Butylbenzene	13.38	105	2590488	148.475	ug/l	100
86) p-Isopropyltoluene	13.50	119	2465870	151.779	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1220110	148.216	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	1158957	142.867	ug/l	99
89) n-Butylbenzene	13.82	91	2205246	150.672	ug/l	98
90) Hexachloroethane	14.10	117	402247	160.458	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1046391	147.325	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	61727	149.177	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101020\
Data File : VW016863.D
Acq On : 09 Oct 2020 15:46
Operator : SY/VA
Sample : VSTDICC150
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

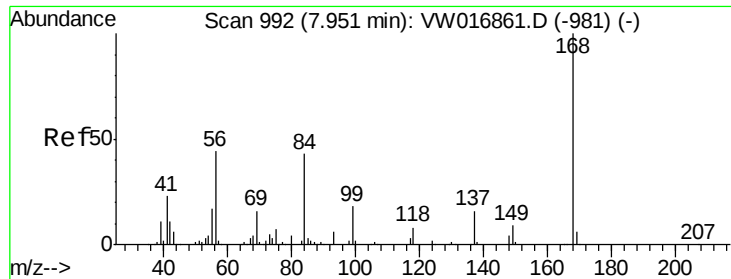
Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM

Quant Time: Oct 10 05:12:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 10 04:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	756553	154.377	ug/l	99
94) Hexachlorobutadiene	15.23	225	484168	152.405	ug/l	96
95) Naphthalene	15.36	128	1320676	165.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	666708	156.380	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 403651

Ion Ratio Lower Upper

168 100

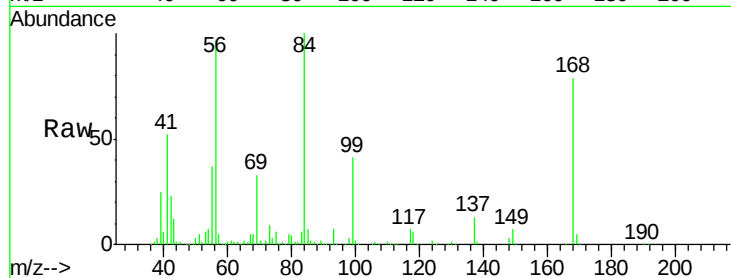
99 51.8 40.7 61.1

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

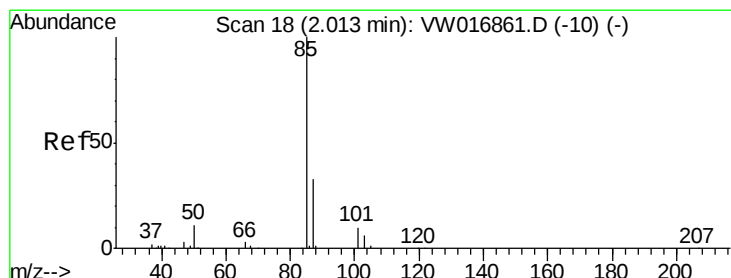
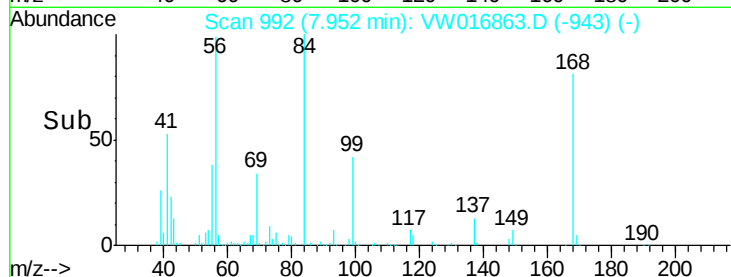
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 126.510 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016863.D

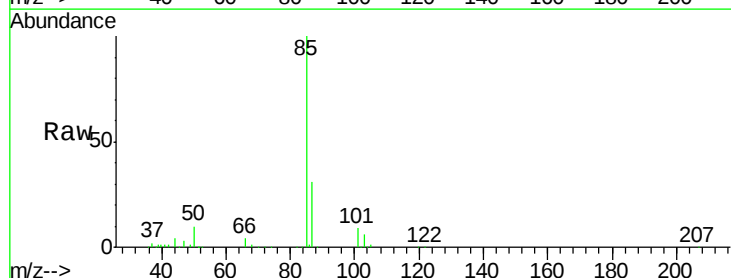
Acq: 09 Oct 2020 15:46

Tgt Ion: 85 Resp: 278542

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100000

80000

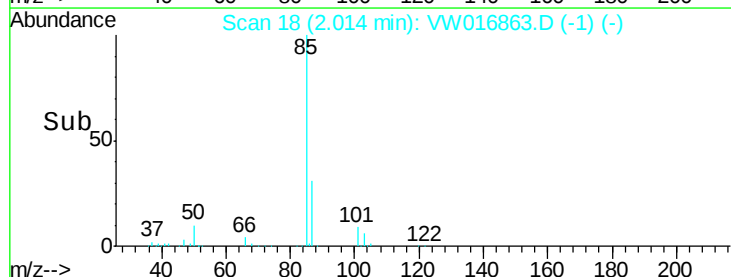
60000

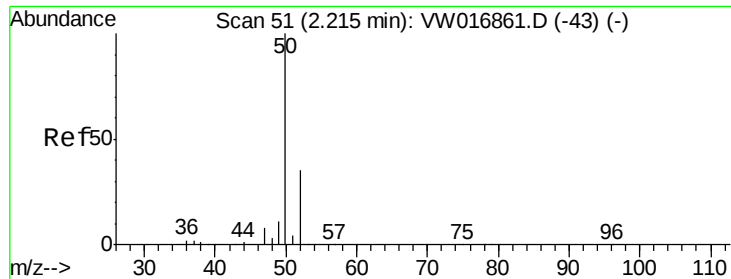
40000

20000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 137.717 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 332448

Ion Ratio Lower Upper

50 100

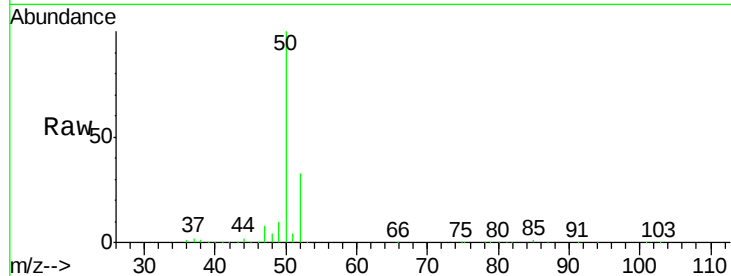
52 32.9 27.6 41.4

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

200000

150000

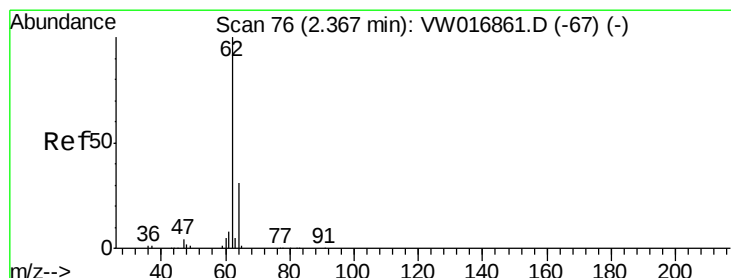
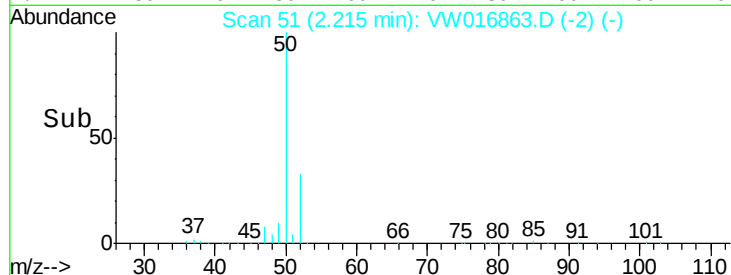
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 133.323 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016863.D

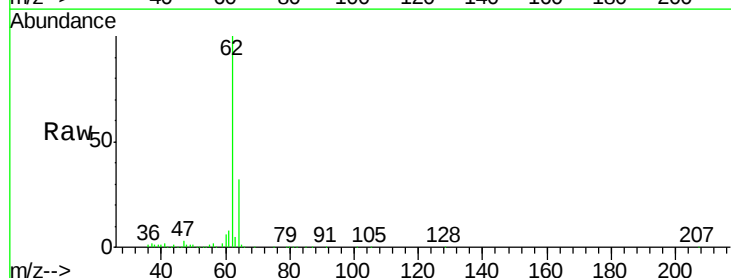
Acq: 09 Oct 2020 15:46

Tgt Ion: 62 Resp: 465412

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

250000

200000

150000

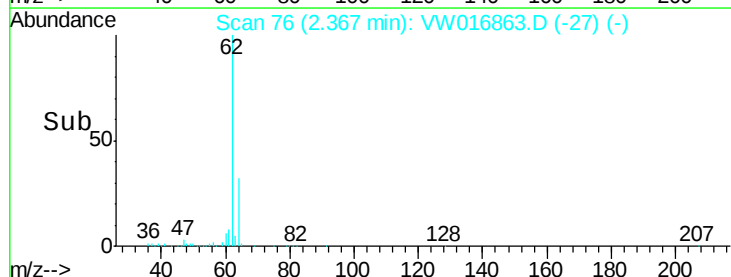
100000

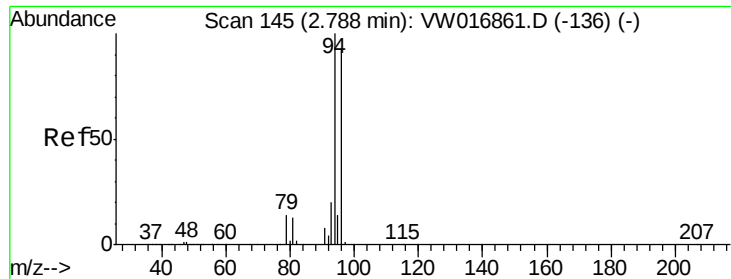
50000

0

2.30 2.40 2.50

Time-->





#5

Bromomethane

Concen: 138.659 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 371743

Ion Ratio Lower Upper

94 100

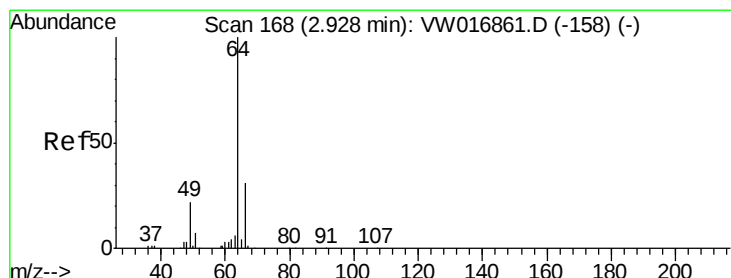
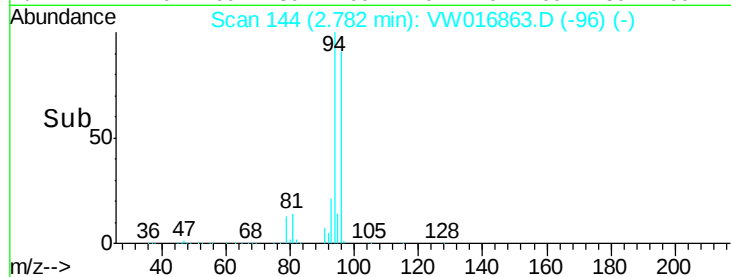
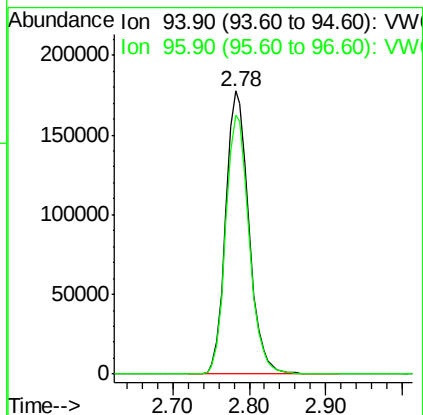
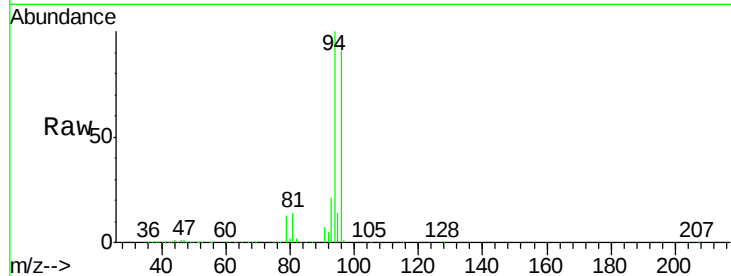
96 91.5 74.7 112.1

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#6

Chloroethane

Concen: 139.722 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016863.D

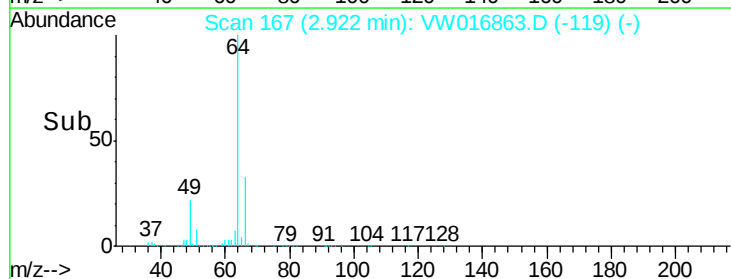
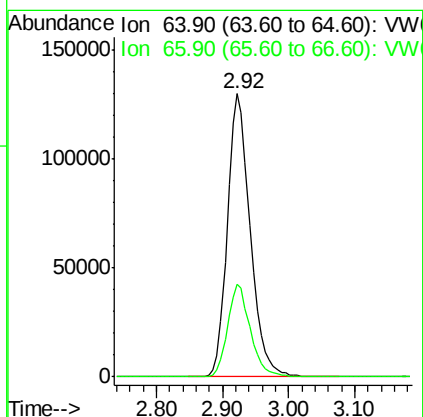
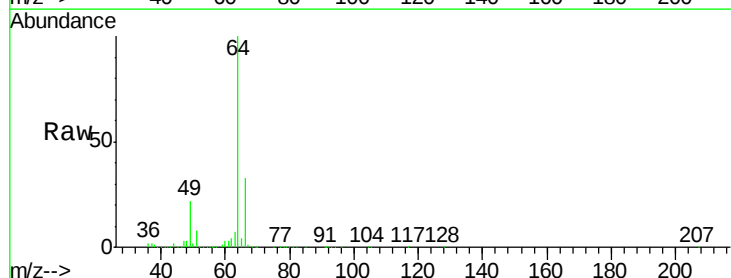
Acq: 09 Oct 2020 15:46

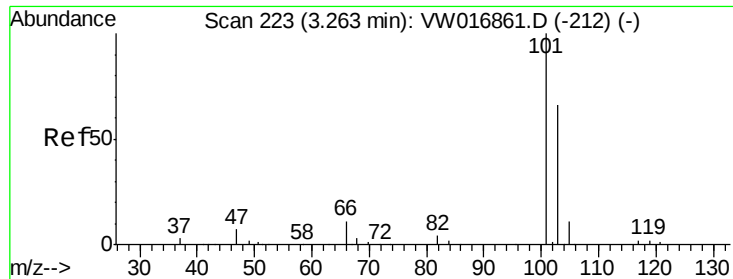
Tgt Ion: 64 Resp: 310396

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.6





#7

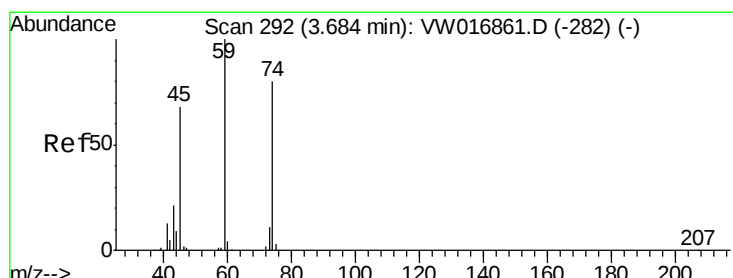
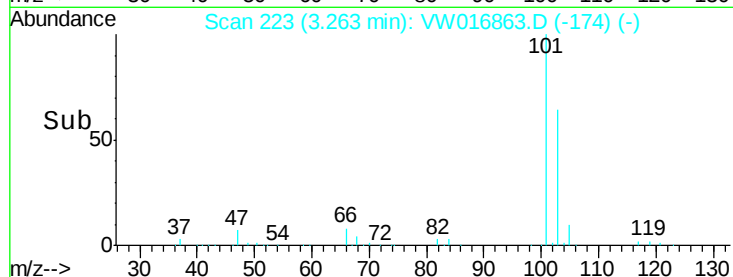
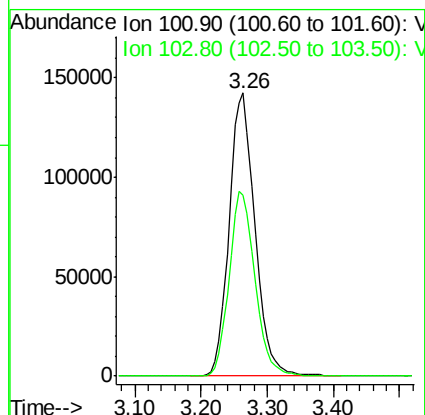
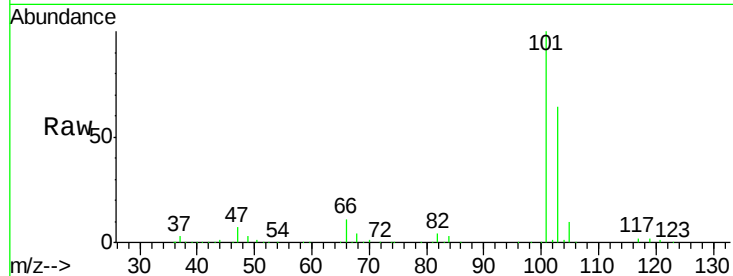
Trichlorofluoromethane
Concen: 151.489 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.6	79.0

Manual Integrations
APPROVED

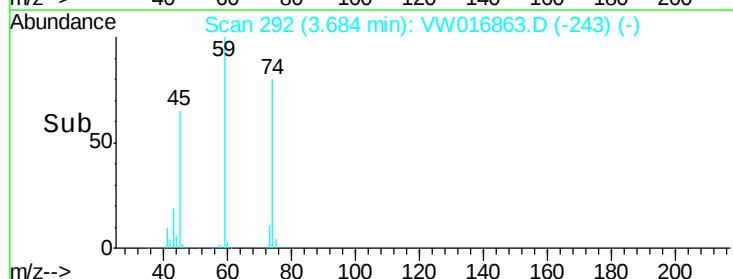
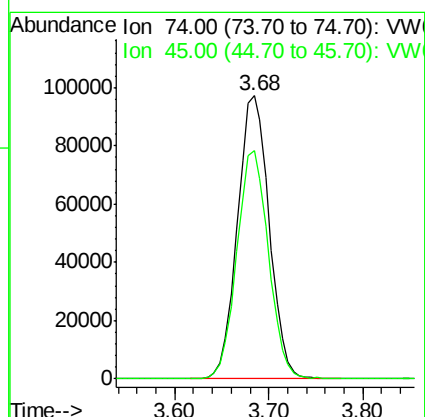
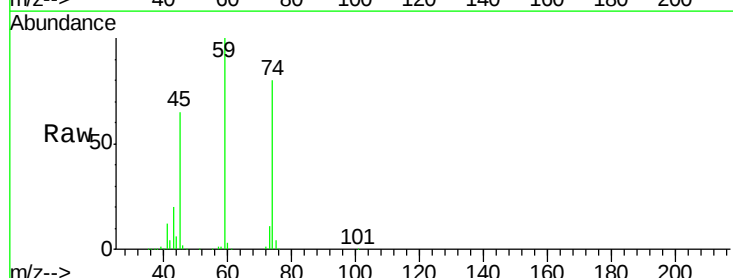
apatel
10/12/2020 1:58:49 PM

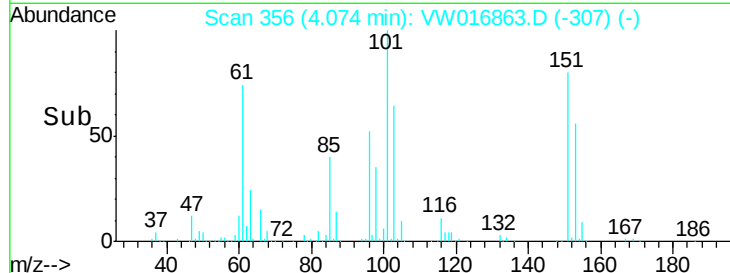
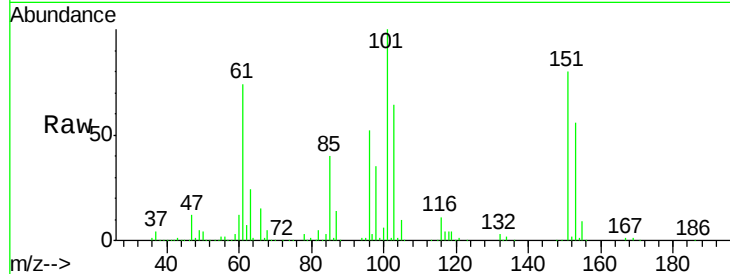
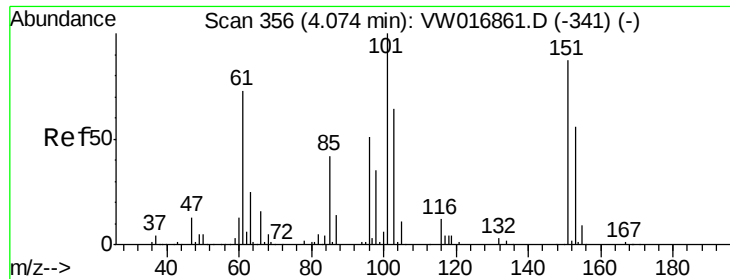


#8

Diethyl Ether
Concen: 143.353 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.5	41.1	123.4





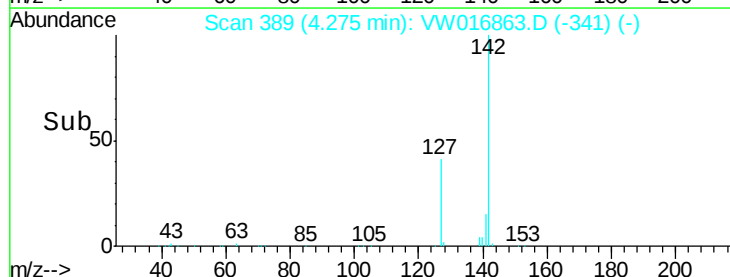
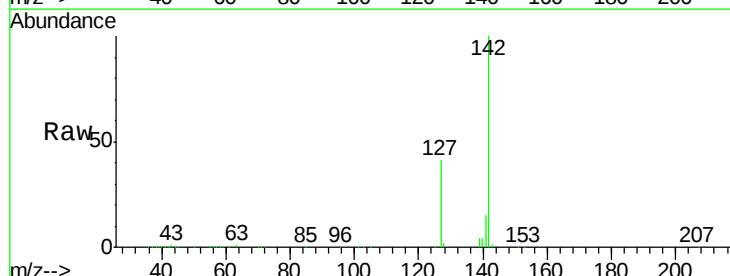
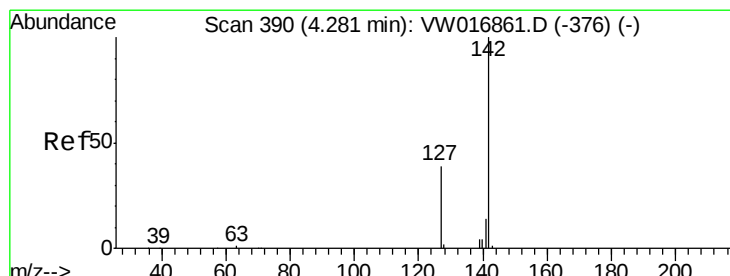
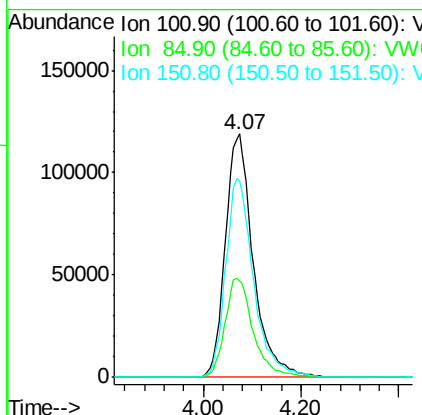
#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.677 ug/l
RT: 4.07 min Scan# 356
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	471150		
85	41.2	33.2	49.8	
151	82.0	66.6	100.0	

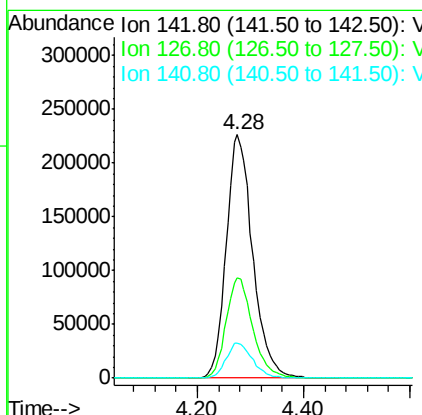
Manual Integrations
APPROVED

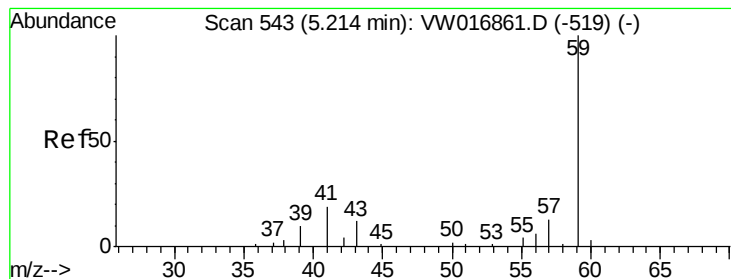
apatel
10/12/2020 1:58:49 PM



#10
Methyl Iodide
Concen: 143.285 ug/l
RT: 4.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	783913		
127	41.6	32.4	48.6	
141	14.6	11.4	17.0	





#11

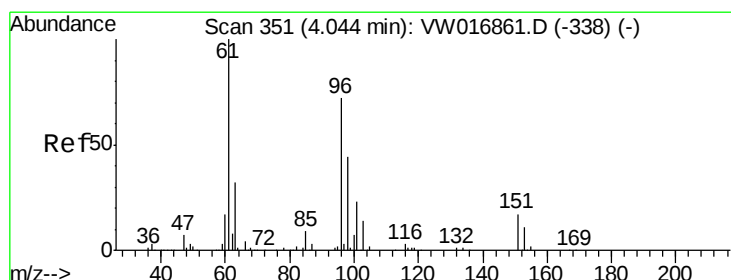
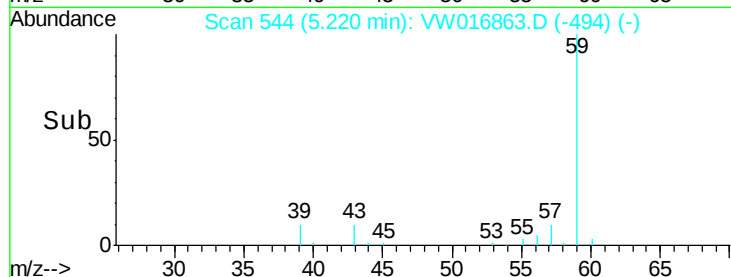
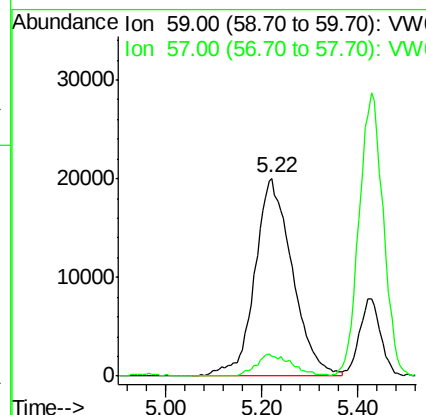
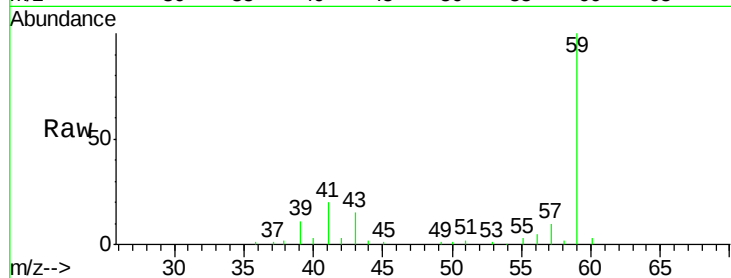
Tert butyl alcohol
 Concen: 626.512 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 108604
 Ion Ratio Lower Upper
 59 100
 57 10.5 4.7 7.1#

Manual Integrations
 APPROVED

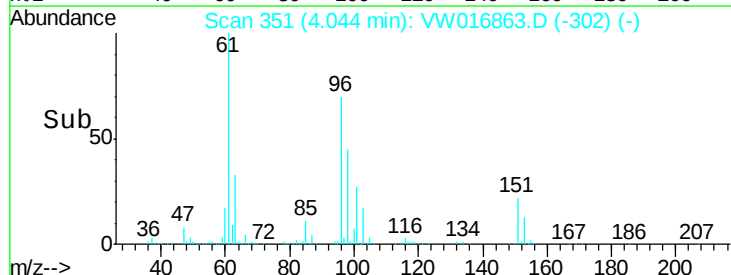
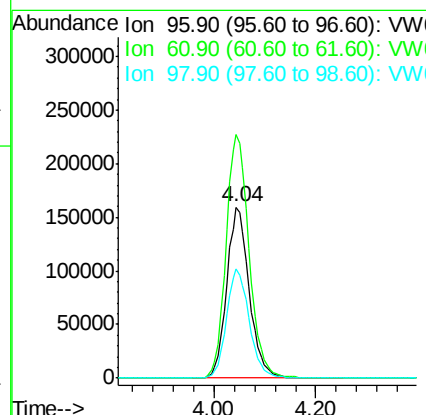
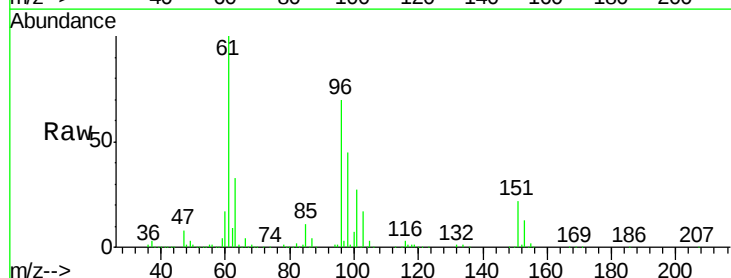
apatel
 10/12/2020 1:58:49 PM

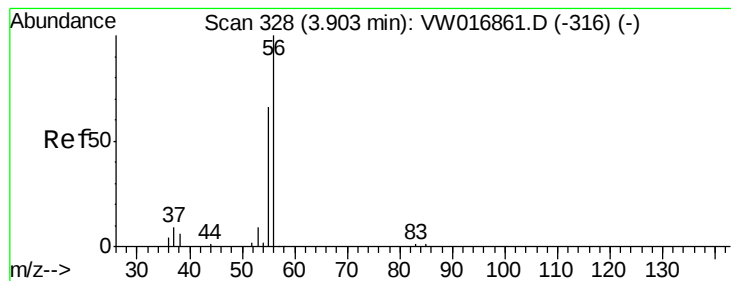


#12

1,1-Dichloroethene
 Concen: 144.240 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 96 Resp: 487229
 Ion Ratio Lower Upper
 96 100
 61 142.6 111.7 167.5
 98 63.8 49.0 73.4





#13

Acrolein

Concen: 689.816 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 149640

Ion Ratio Lower Upper

56 100

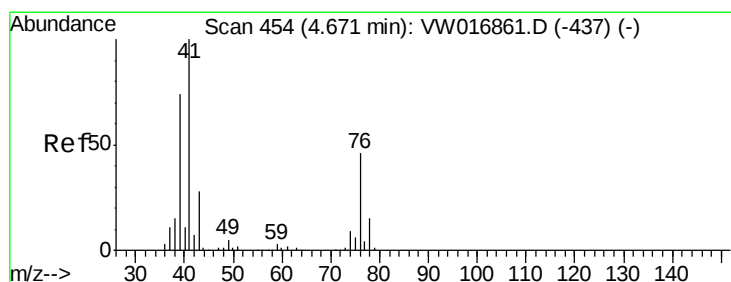
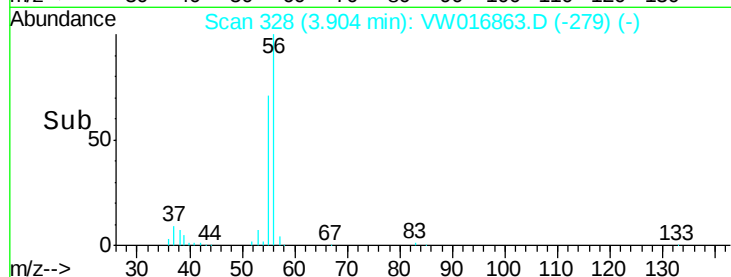
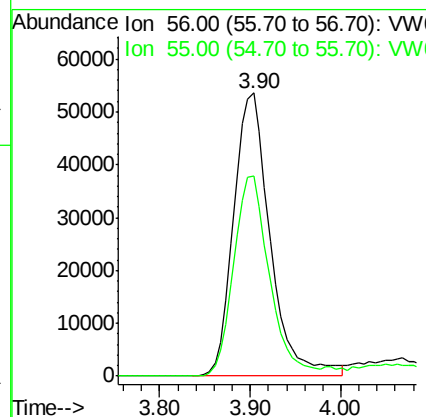
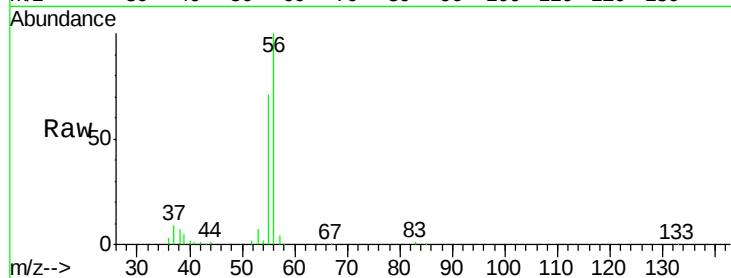
55 69.0 55.9 83.9

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#14

Allyl chloride

Concen: 147.380 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

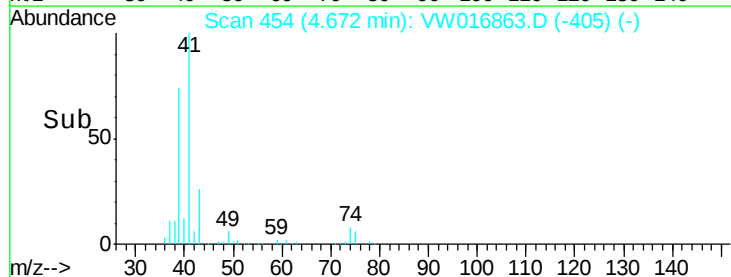
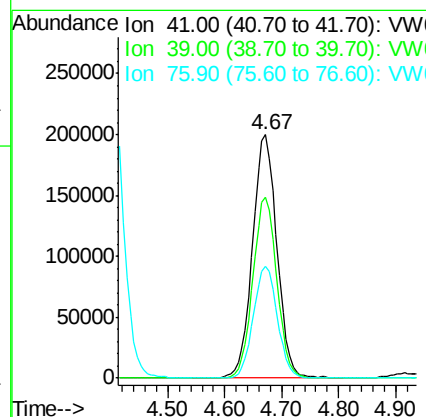
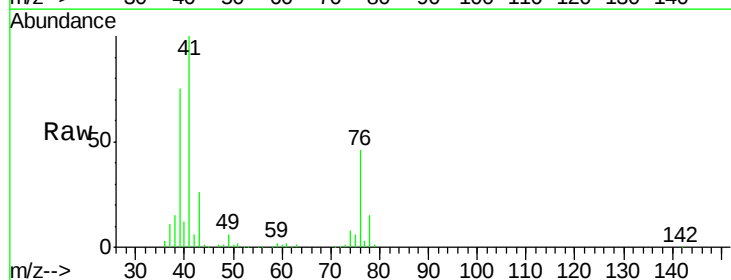
Tgt Ion: 41 Resp: 595922

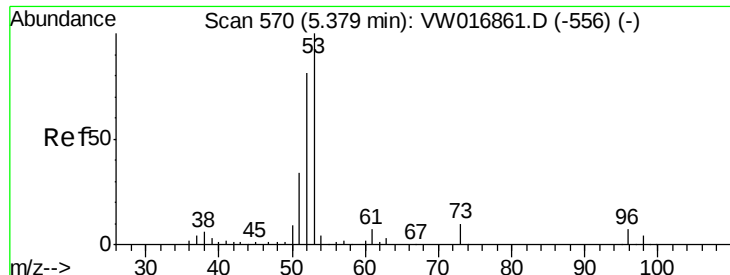
Ion Ratio Lower Upper

41 100

39 73.0 57.8 86.8

76 44.9 35.1 52.7





#15

Acrylonitrile

Concen: 689.445 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

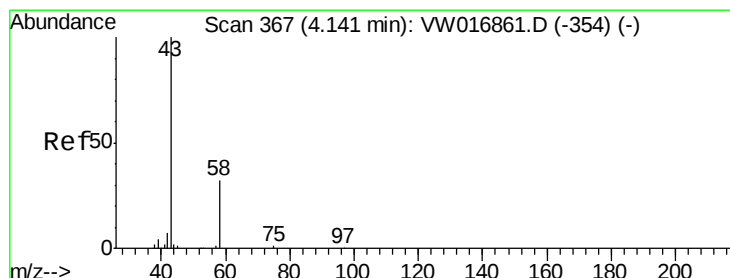
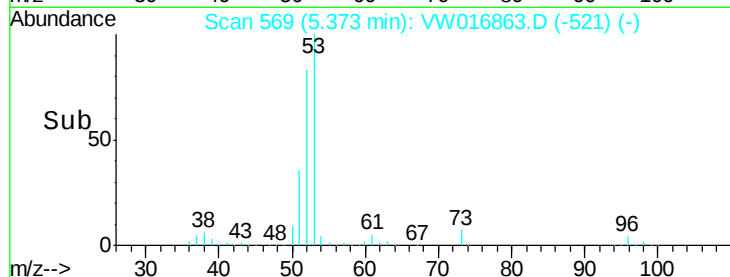
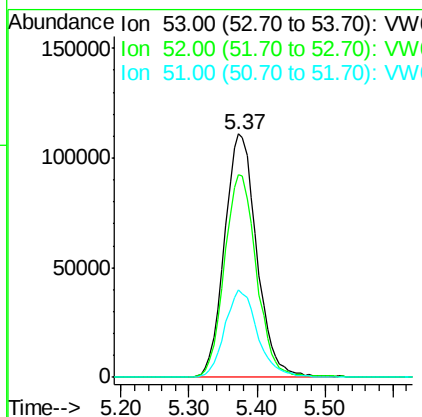
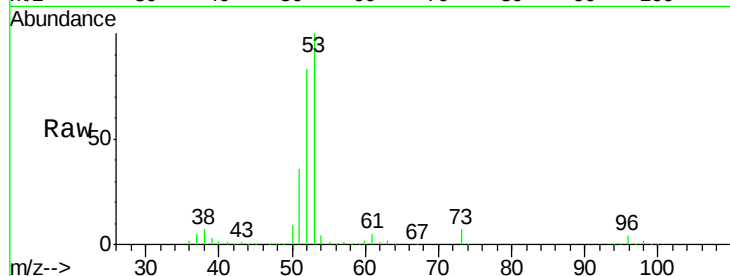
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	364300
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.0	97.4
51	36.6	29.1	43.7

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#16

Acetone

Concen: 665.633 ug/l

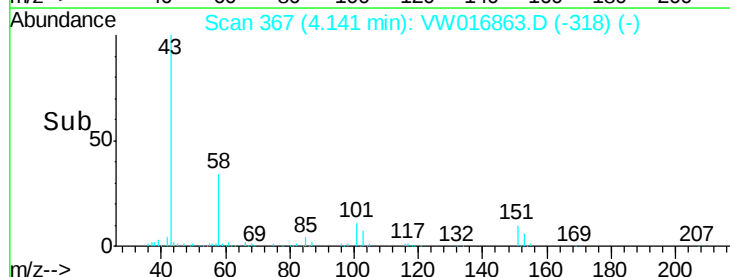
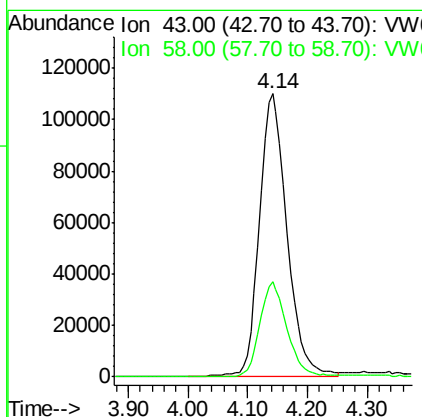
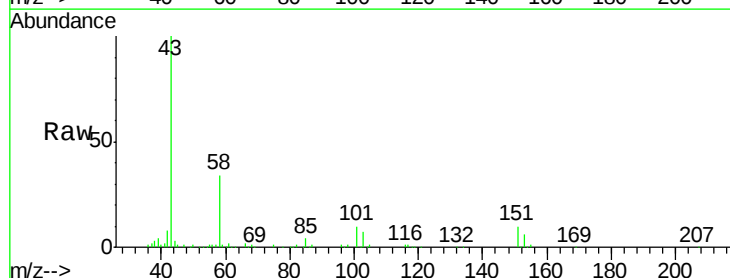
RT: 4.14 min Scan# 367

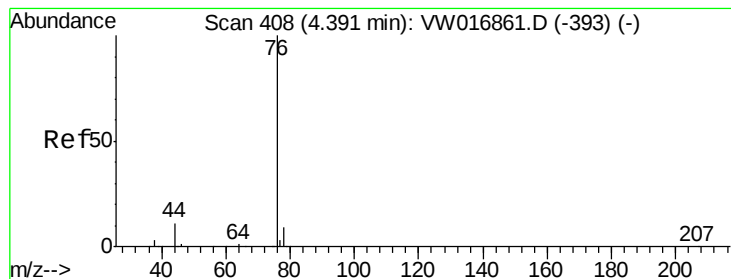
Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion:	43	Resp:	353962
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.7	38.5





#17

Carbon Disulfide

Concen: 143.046 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tot Ion: 76 Resp: 1285577

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

Instrument :

MSVOA_W

ClientSampleId :

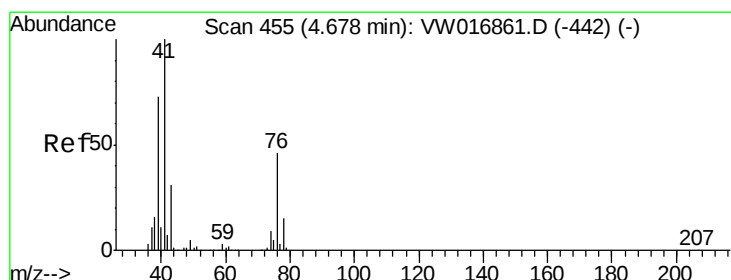
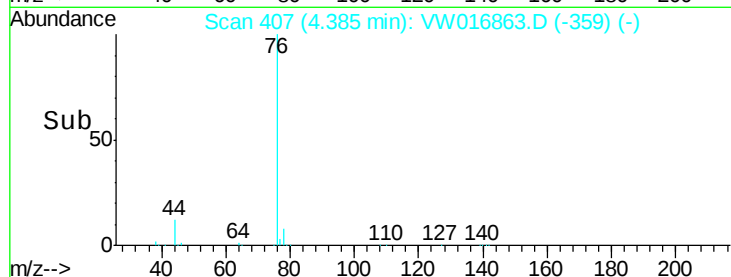
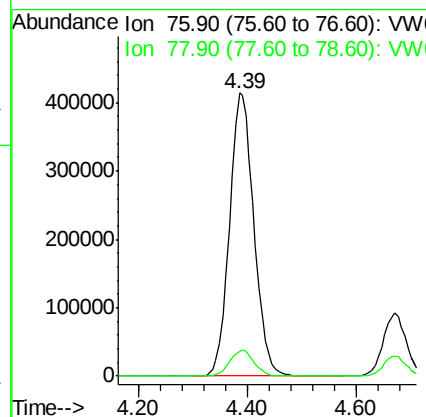
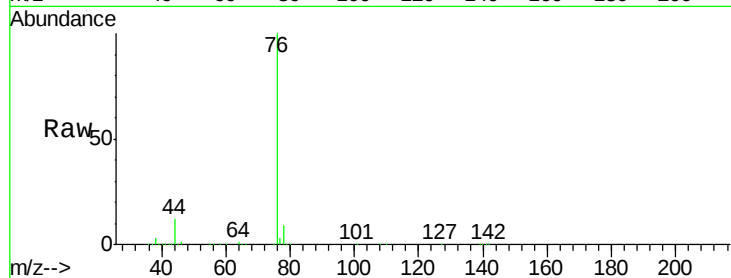
VSTDIC150

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#18

Methyl Acetate

Concen: 135.205 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016863.D

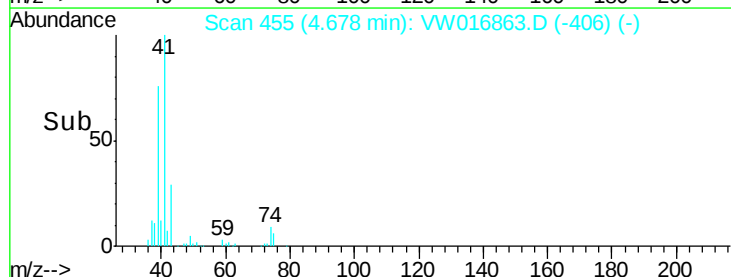
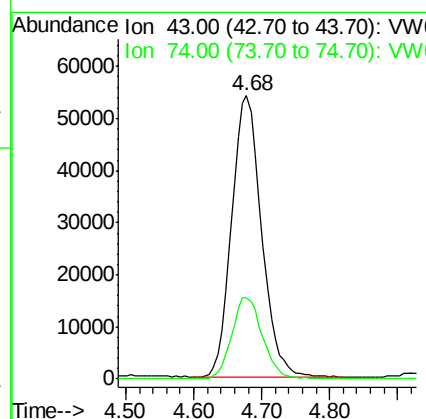
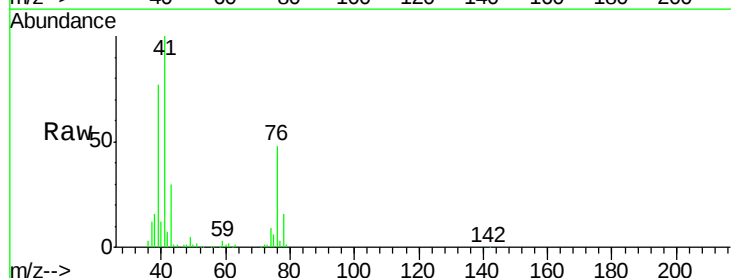
Acq: 09 Oct 2020 15:46

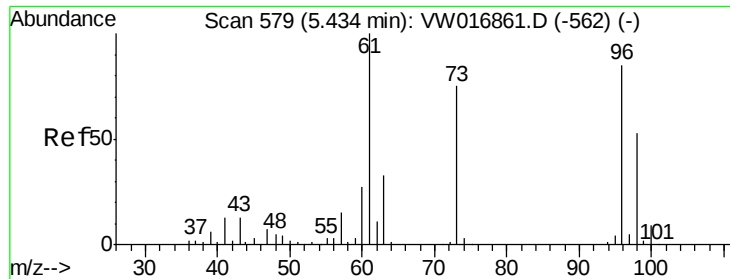
Tgt Ion: 43 Resp: 164905

Ion Ratio Lower Upper

43 100

74 29.6 23.8 35.6





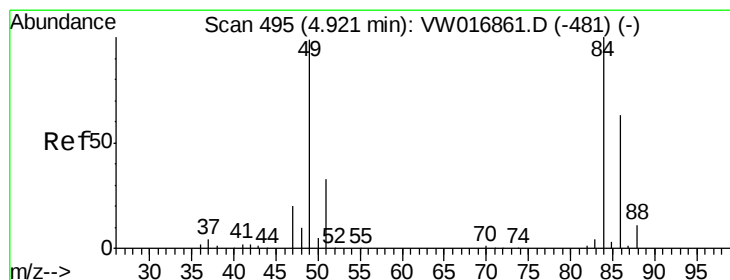
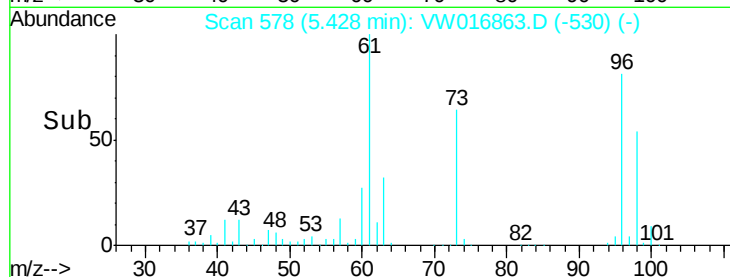
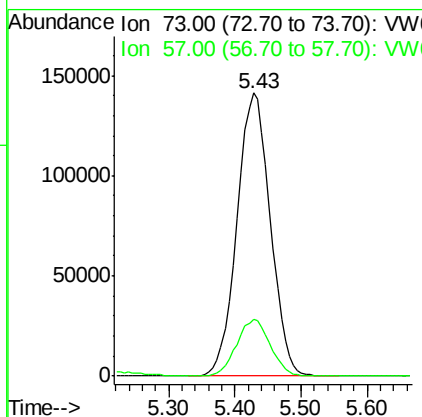
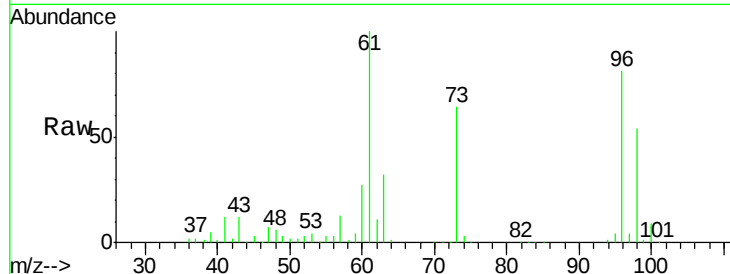
#19
Methvl tert-butvl Ether
Concen: 135.716 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 494099
Ion Ratio Lower Upper
73 100
57 20.3 16.1 24.1

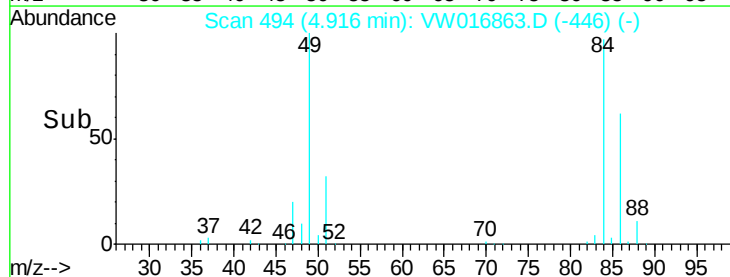
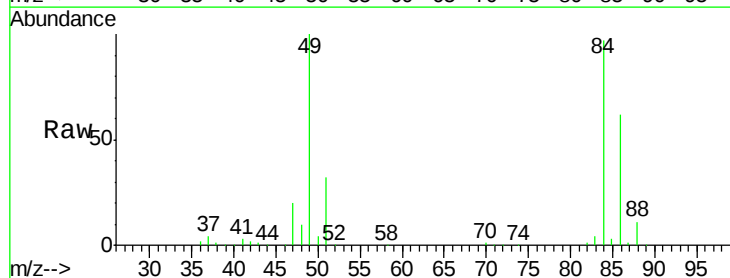
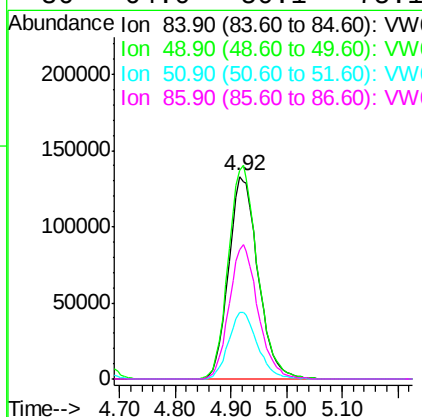
Manual Integrations
APPROVED

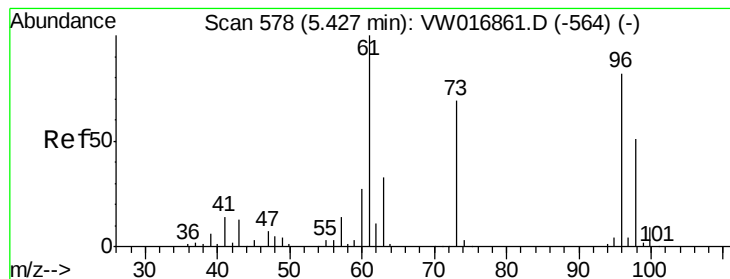
apatel
10/12/2020 1:58:49 PM



#20
Methylene Chloride
Concen: 115.373 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 84 Resp: 486164
Ion Ratio Lower Upper
84 100
49 103.1 79.0 118.6
51 32.8 26.1 39.1
86 64.0 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 141.431 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 536323

Ion Ratio Lower Upper

96 100

61 123.7 97.4 146.0

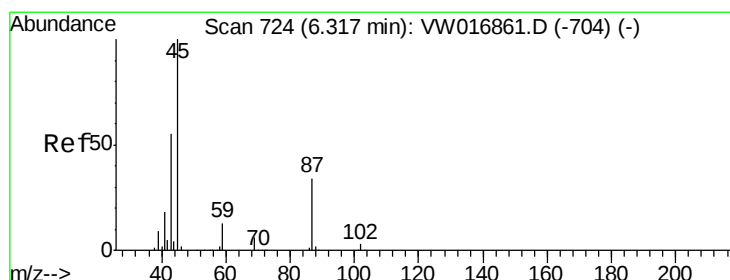
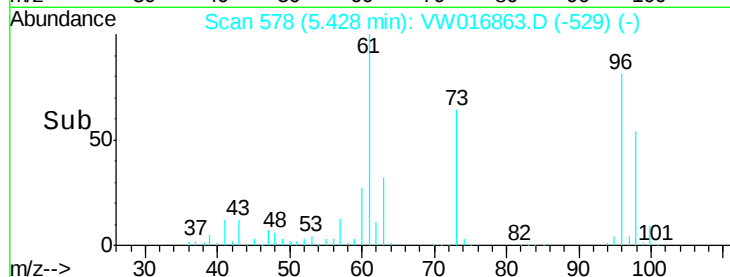
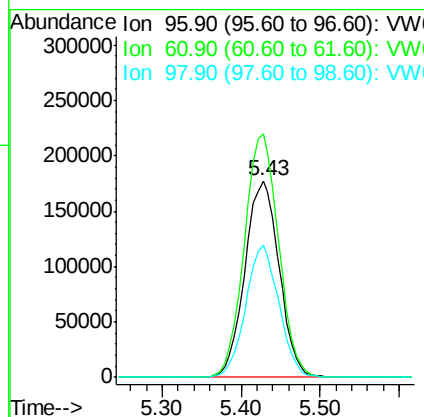
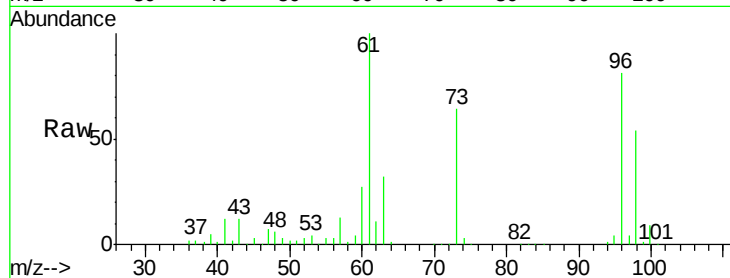
98 67.4 49.4 74.0

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#22

Diisopropyl ether

Concen: 142.422 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion: 45 Resp: 1046628

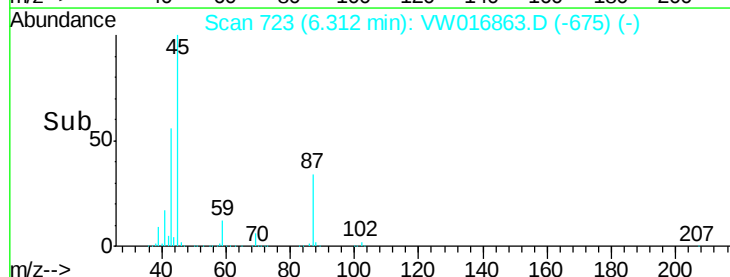
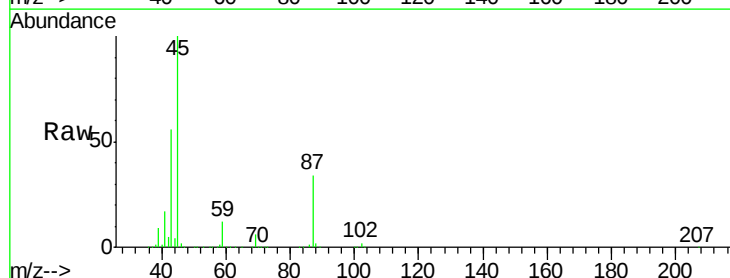
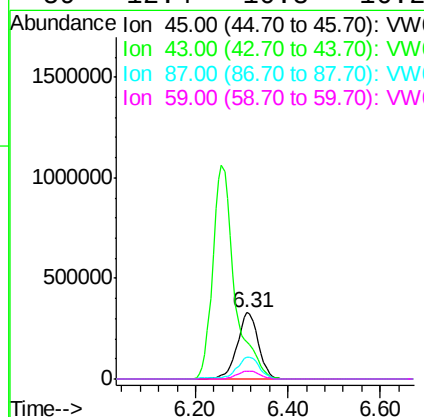
Ion Ratio Lower Upper

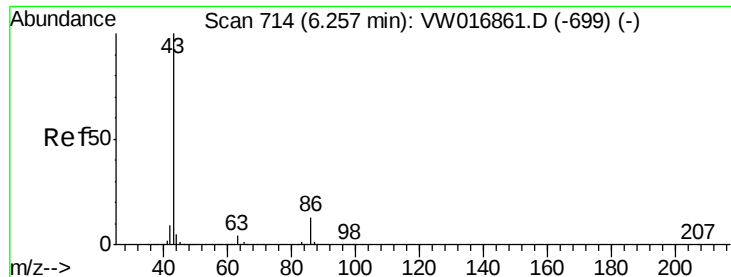
45 100

43 55.8 43.8 65.8

87 33.9 27.6 41.4

59 12.4 10.8 16.2





#23

Vinyl Acetate

Concen: 736.869 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3469833

Ion Ratio Lower Upper

43 100

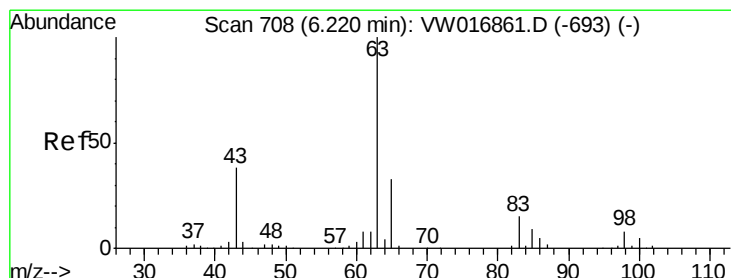
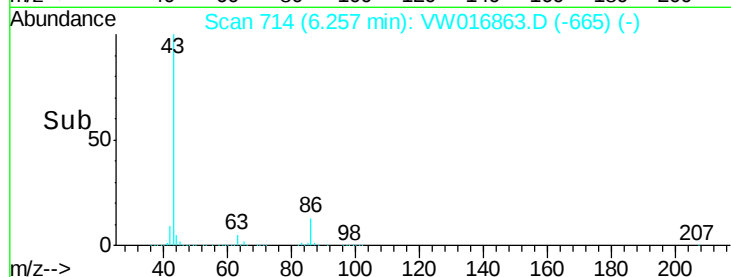
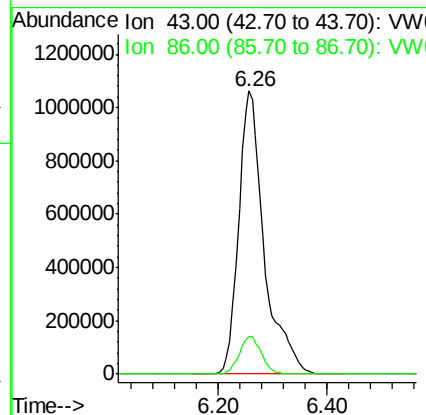
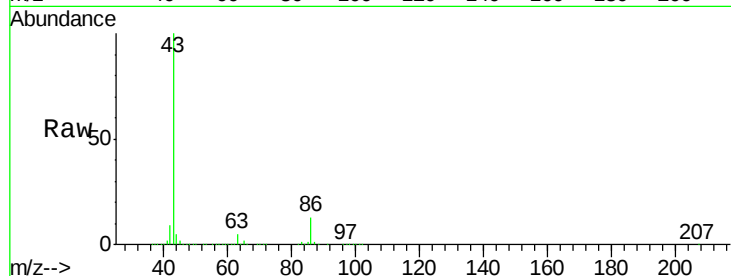
86 13.4 10.2 15.4

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#24

1,1-Dichloroethane

Concen: 144.165 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

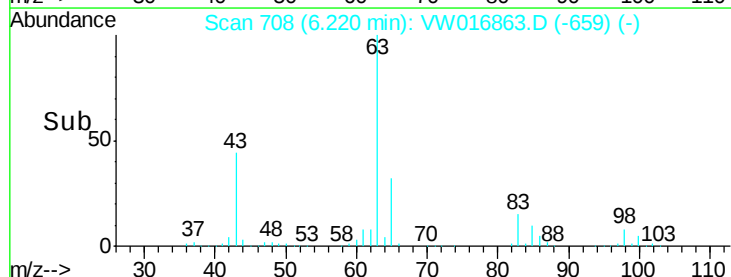
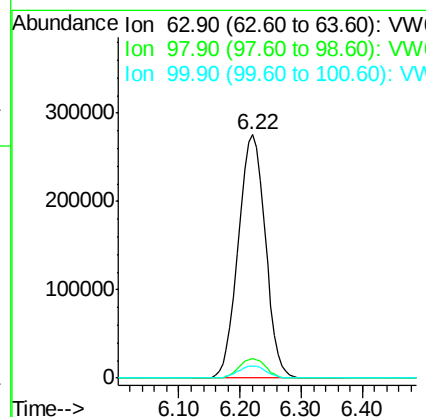
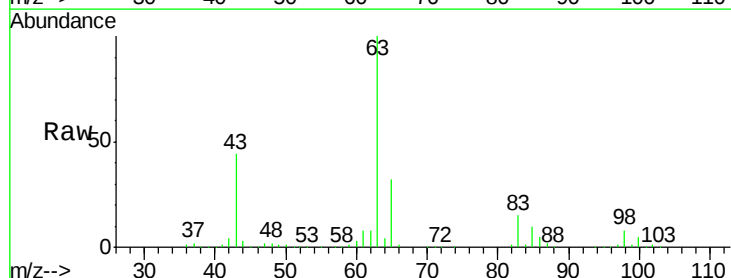
Tgt Ion: 63 Resp: 840083

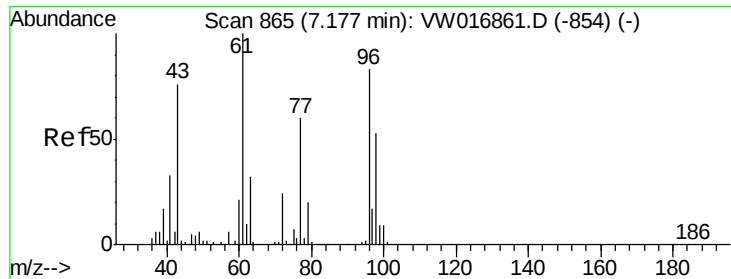
Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

100 5.1 2.6 7.8





#25

2-Butanone

Concen: 691.855 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 490477

Ion Ratio Lower Upper

43 100

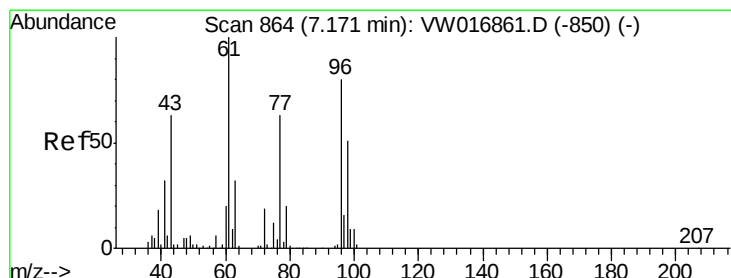
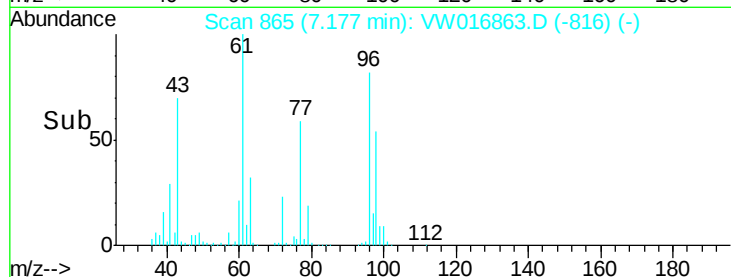
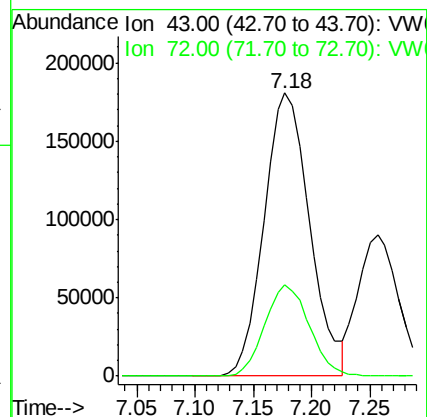
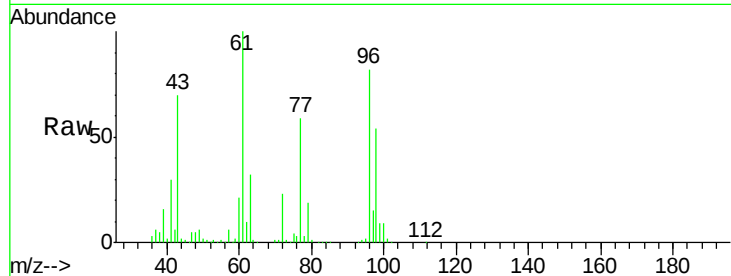
72 32.3 25.4 38.2

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#26

2,2-Dichloropropane

Concen: 136.069 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016863.D

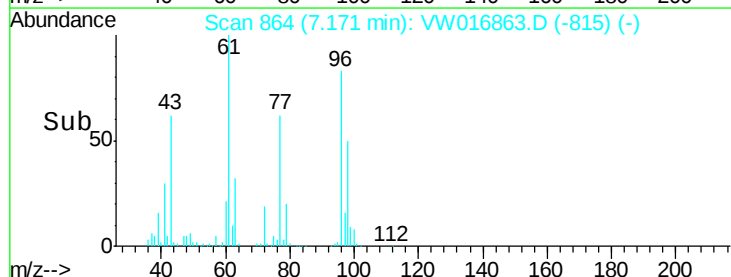
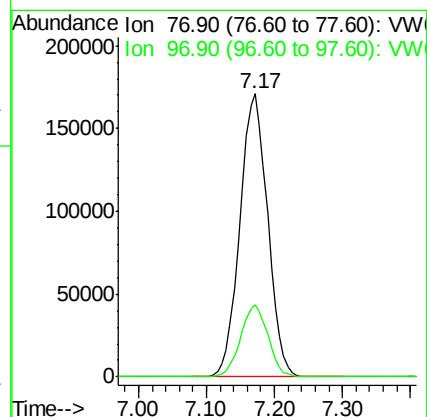
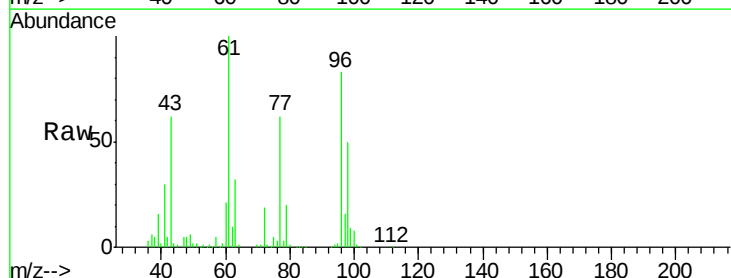
Acq: 09 Oct 2020 15:46

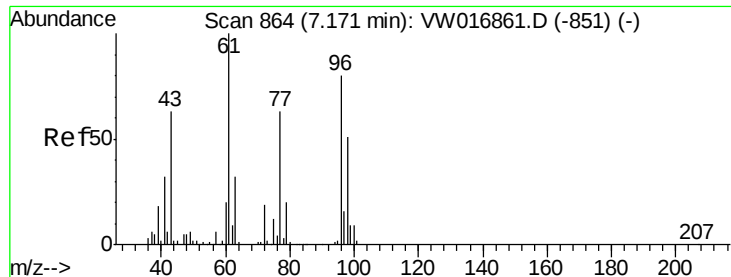
Tgt Ion: 77 Resp: 485113

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.4





#27

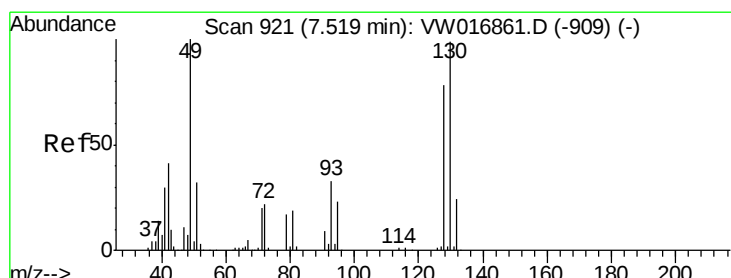
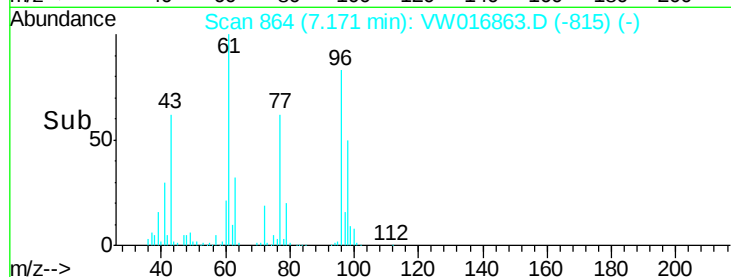
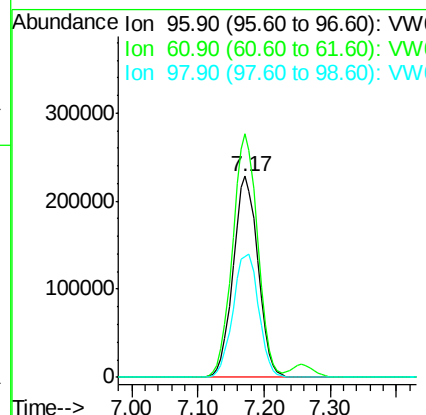
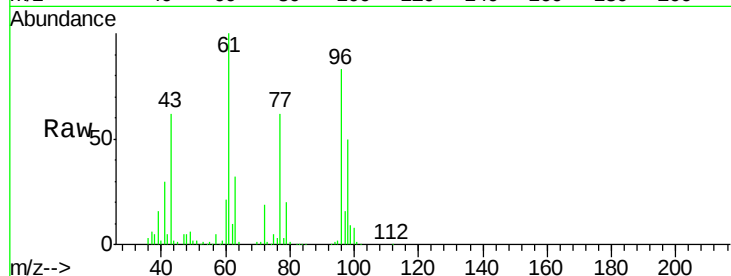
cis-1,2-Dichloroethene
Concen: 145.912 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	122.5	0.0	249.6	
98	63.6	0.0	129.4	

Manual Integrations
APPROVED

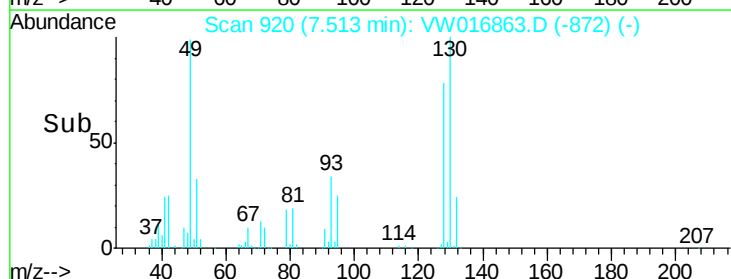
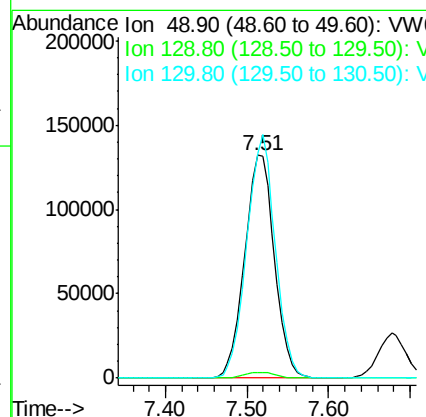
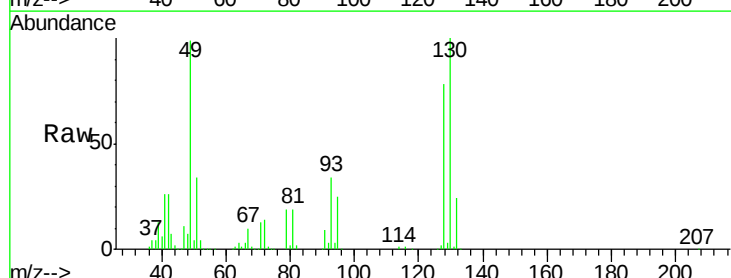
apatel
10/12/2020 1:58:49 PM

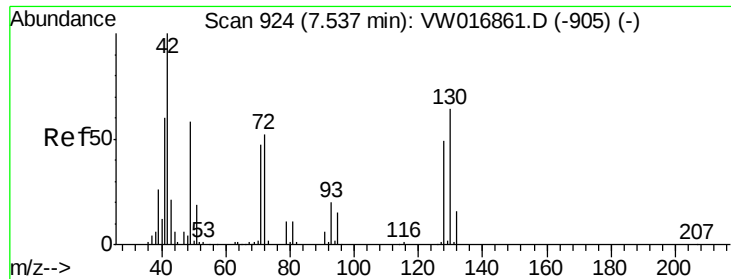


#28

Bromochloromethane
Concen: 143.742 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.8	
130	104.2	81.3	121.9	





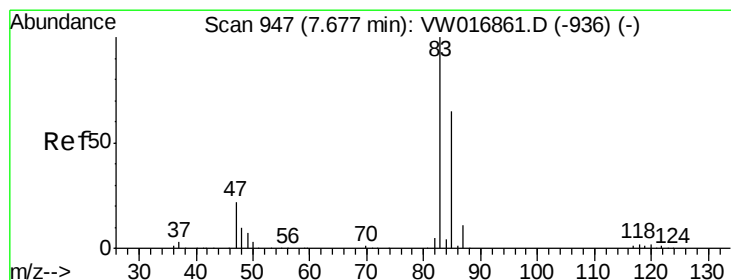
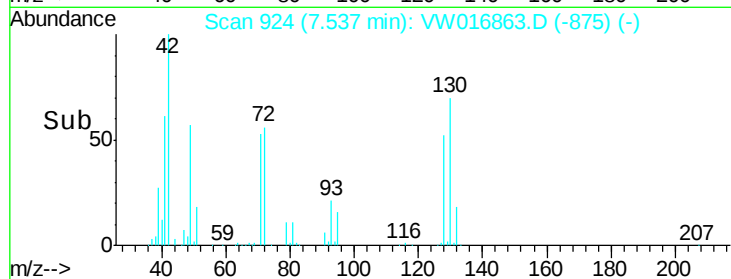
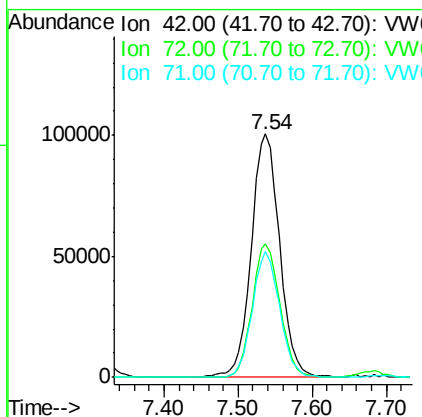
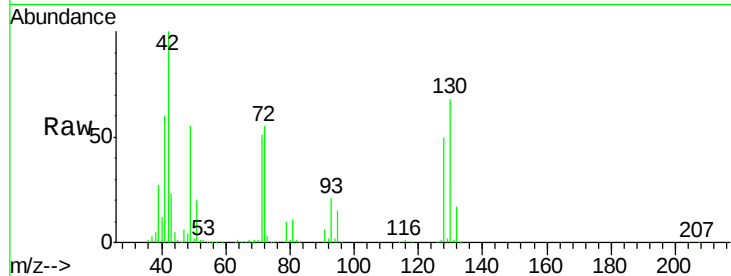
#29
Tetrahydrofuran
Concen: 677.913 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100	269193		
72	53.6		42.0	63.0
71	49.7		39.0	58.6

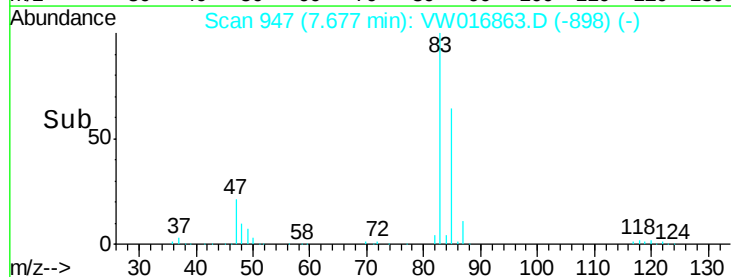
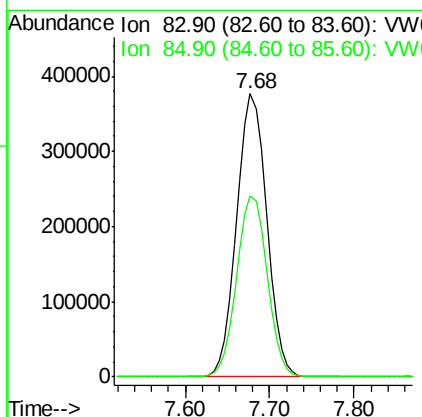
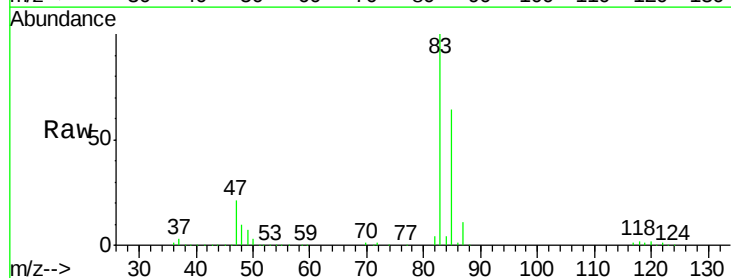
Manual Integrations
APPROVED

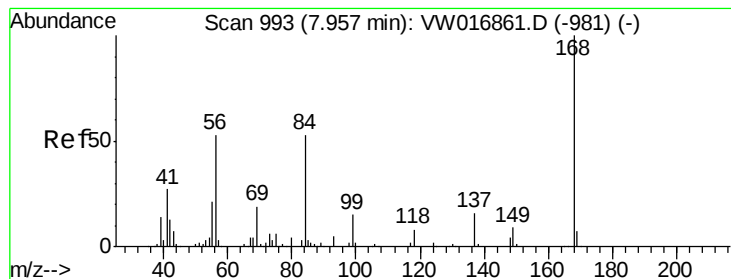
apatel
10/12/2020 1:58:49 PM



#30
Chloroform
Concen: 143.468 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	908857		
85	63.8		51.7	77.5





#31

Cvclohexane

Concen: 129.997 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

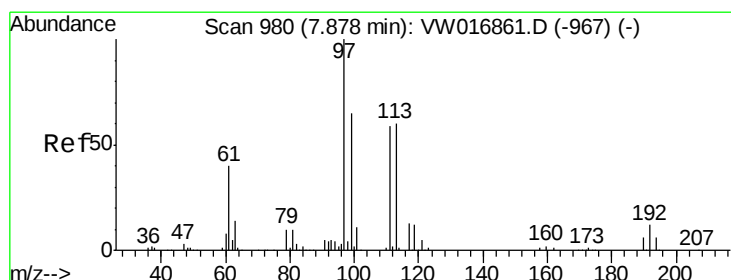
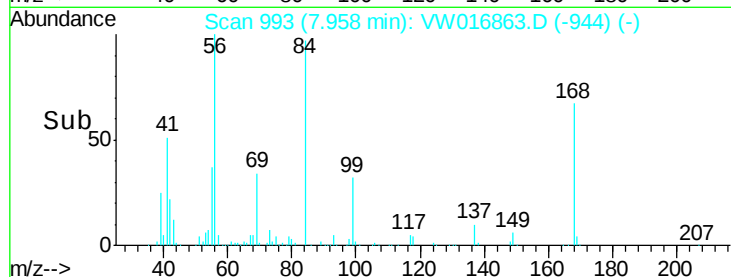
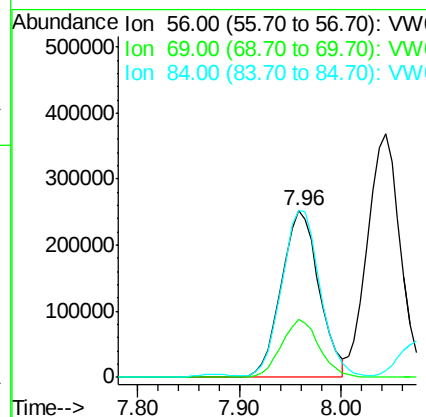
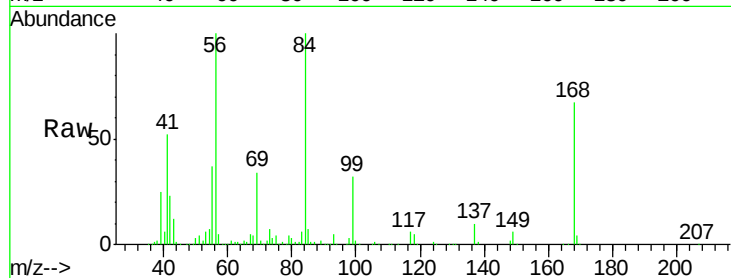
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	646138
Ion Ratio	Lower	Upper	
56	100		
69	34.5	29.3	43.9
84	99.1	80.5	120.7

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#32

1,1,1-Trichloroethane

Concen: 143.026 ug/l

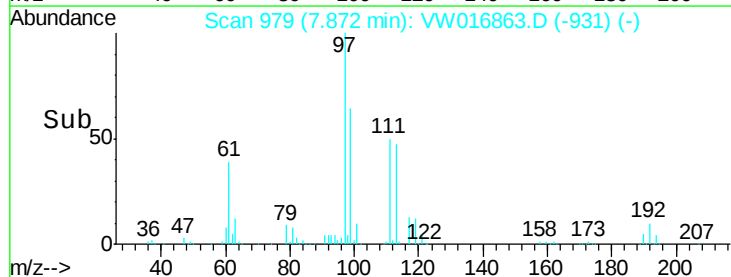
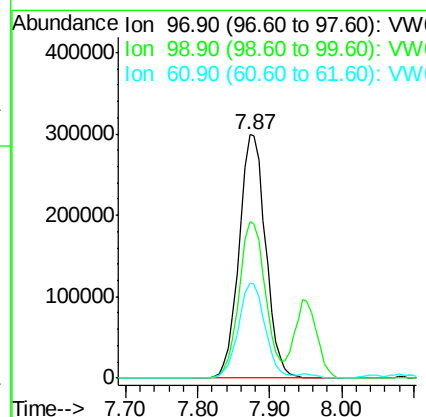
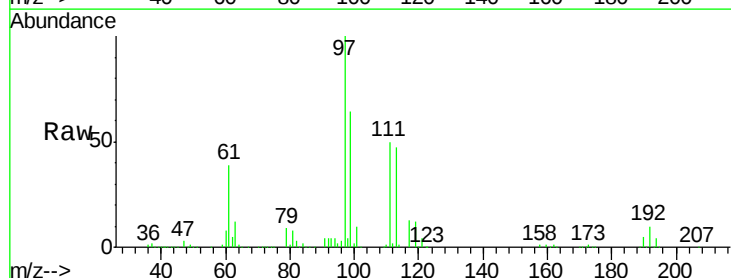
RT: 7.87 min Scan# 979

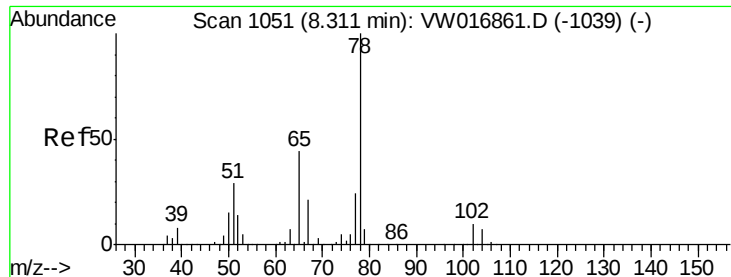
Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion:	97	Resp:	764250
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.4	78.6
61	39.3	31.9	47.9





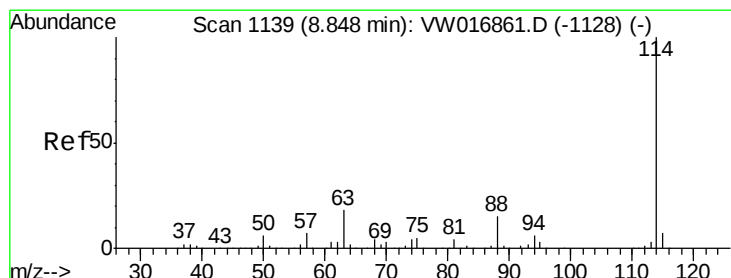
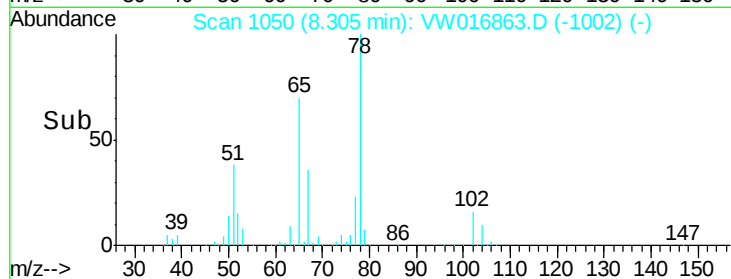
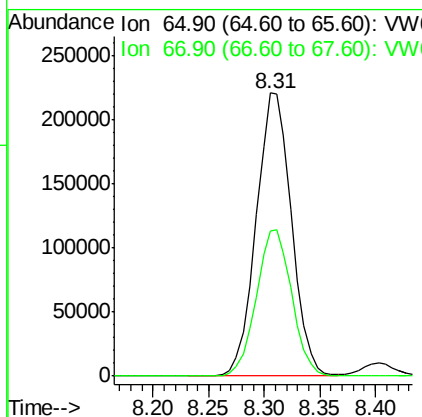
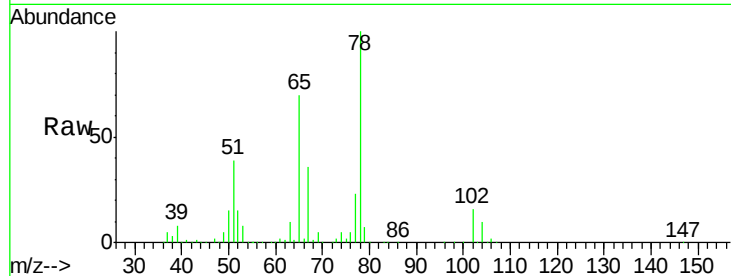
#33
 1,2-Dichloroethane-d4
 Concen: 148.300 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	486913		
67	51.8	0.0	103.8	

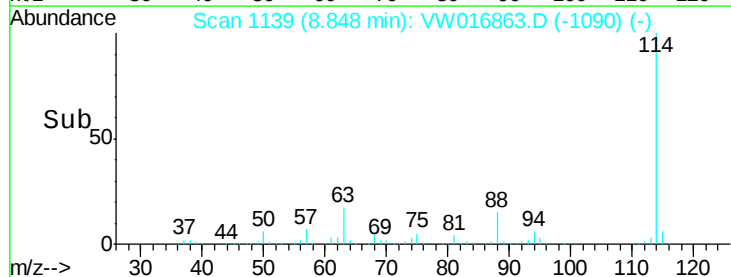
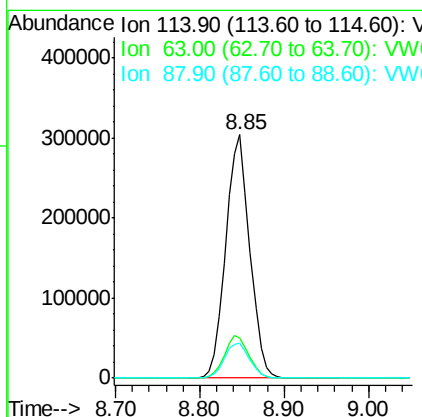
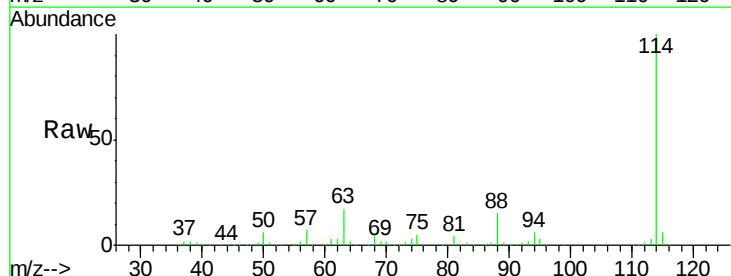
Manual Integrations
 APPROVED

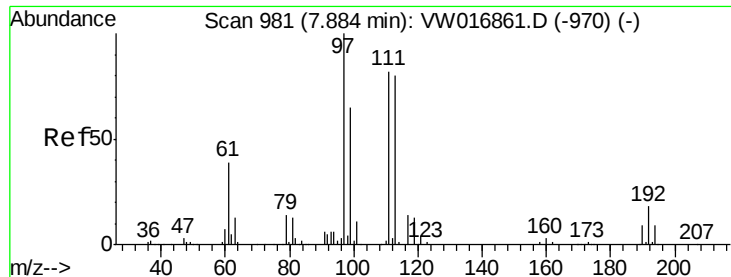
apatel
 10/12/2020 1:58:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	589923		
63	16.7	0.0	35.6	
88	14.6	0.0	30.4	





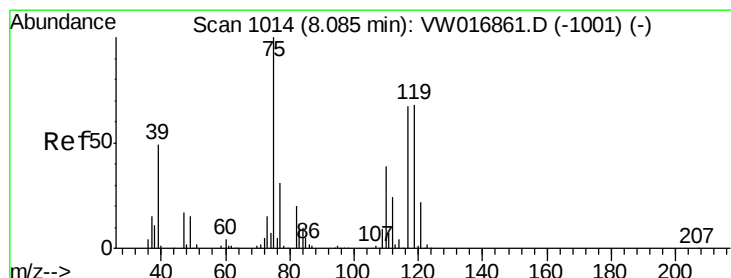
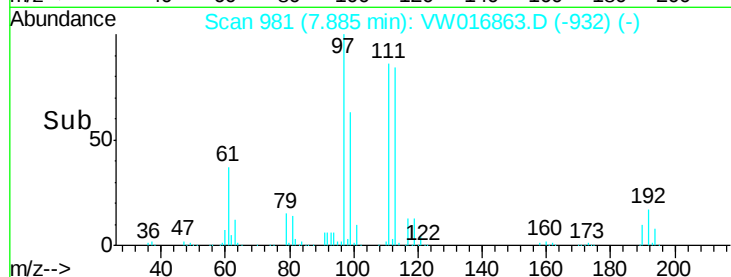
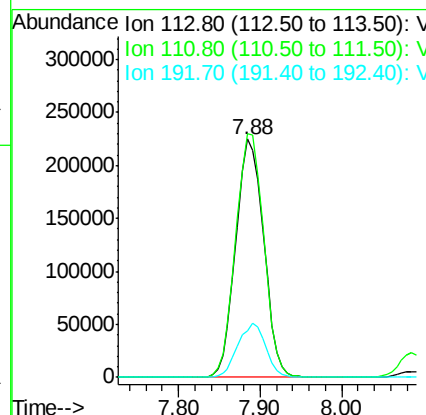
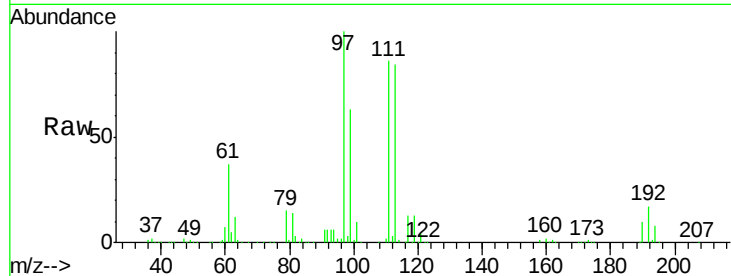
#35
 Dibromofluoromethane
 Concen: 147.438 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	533100		
111	102.7	81.4	122.2	
192	22.6	17.8	26.8	

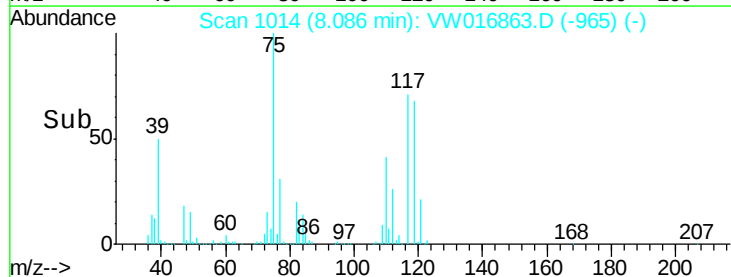
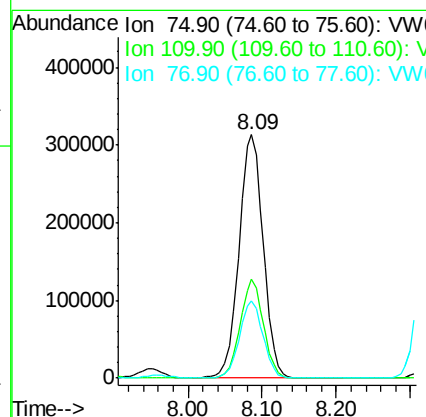
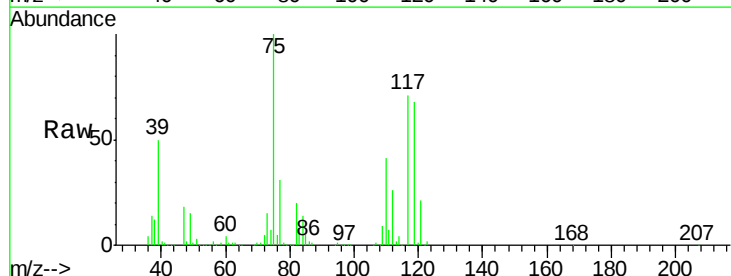
Manual Integrations
 APPROVED

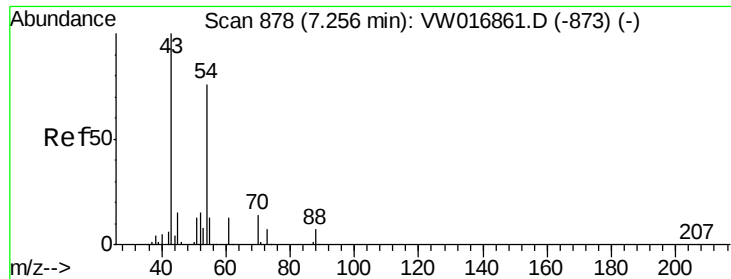
apatel
 10/12/2020 1:58:49 PM



#36
 1,1-Dichloropropene
 Concen: 139.532 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	711754		
110	39.0	19.3	57.9	
77	31.1	25.0	37.6	





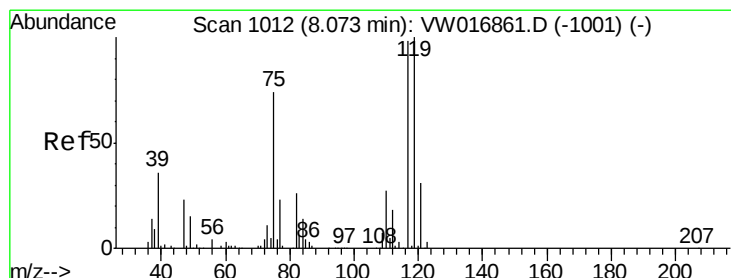
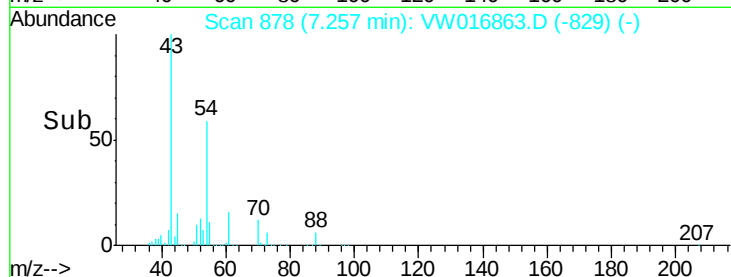
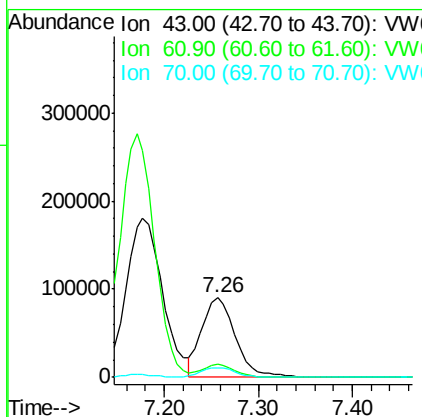
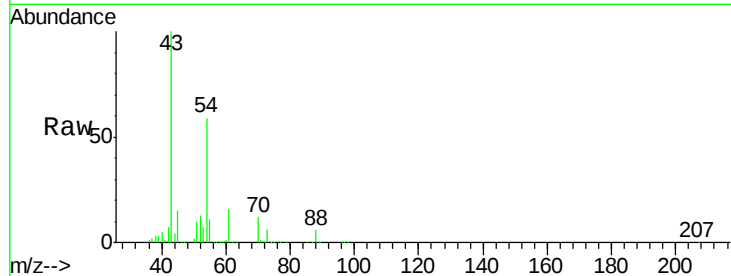
#37
Ethyl Acetate
Concen: 133.545 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	12.6	9.9	14.9

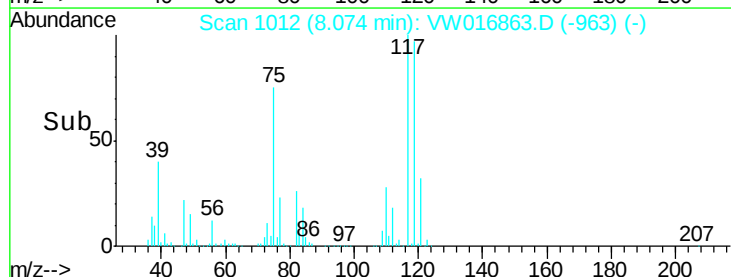
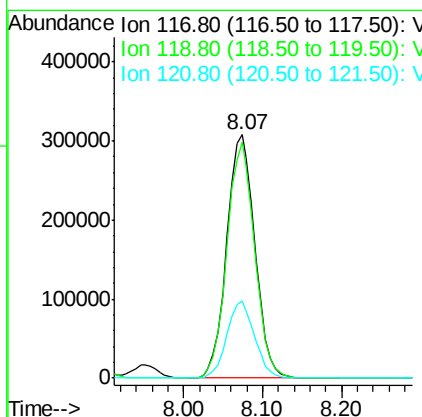
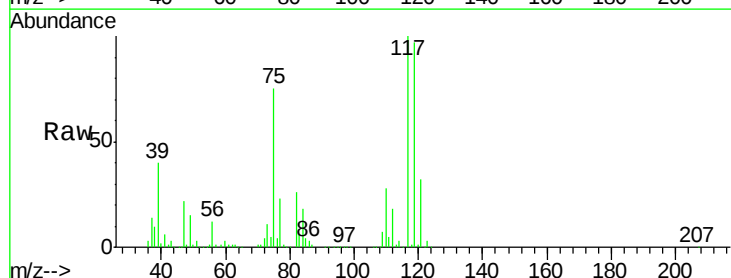
Manual Integrations
APPROVED

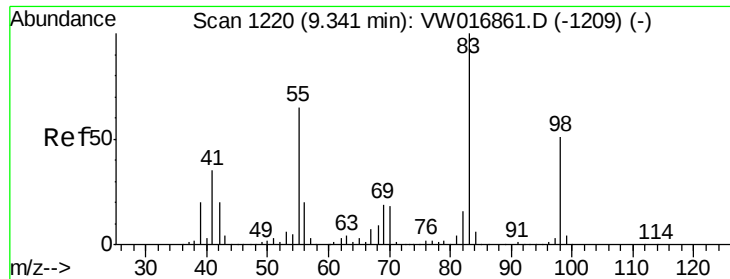
apatel
10/12/2020 1:58:49 PM



#38
Carbon Tetrachloride
Concen: 143.872 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	81.6	122.4
121	31.9	25.7	38.5





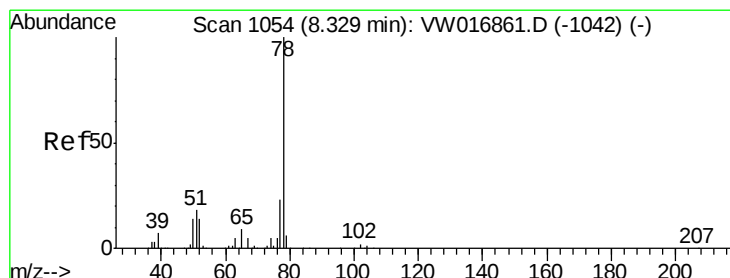
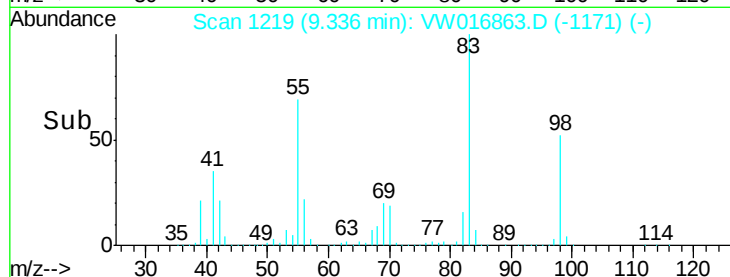
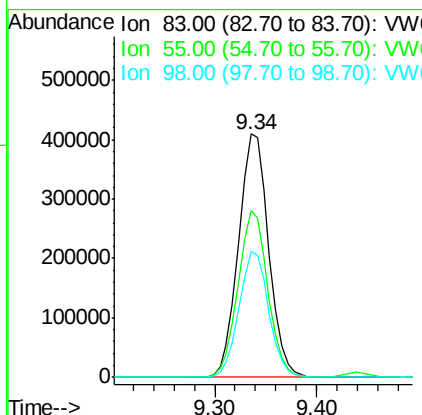
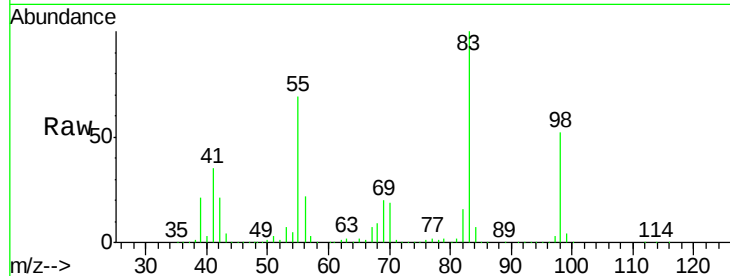
#39
Methvlcvclohexane
Concen: 144.564 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	840738
Ion	Ratio	Lower	Upper
83	100		
55	68.7	51.7	77.5
98	51.8	41.0	61.4

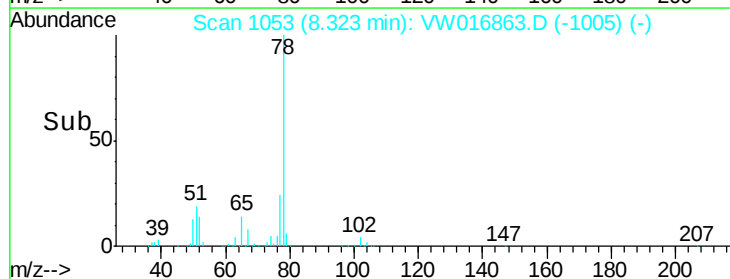
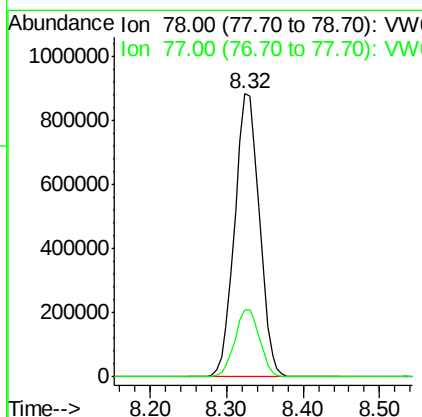
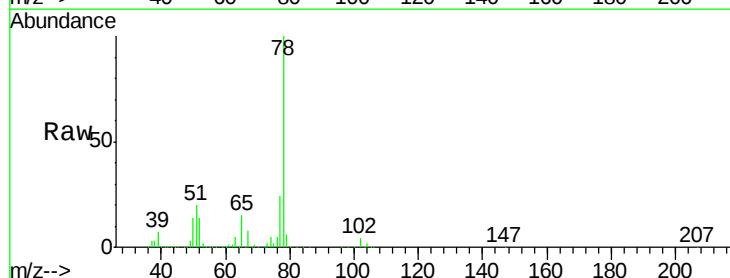
Manual Integrations
APPROVED

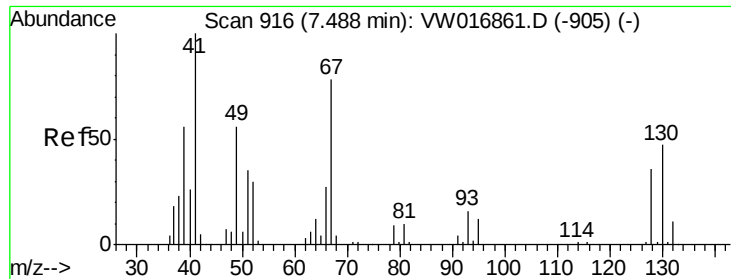
apatel
10/12/2020 1:58:49 PM



#40
Benzene
Concen: 139.506 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	78	Resp	1982346
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7





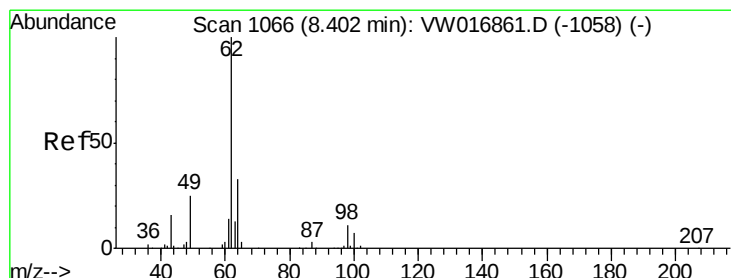
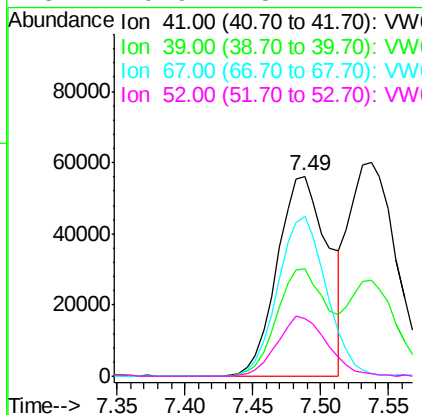
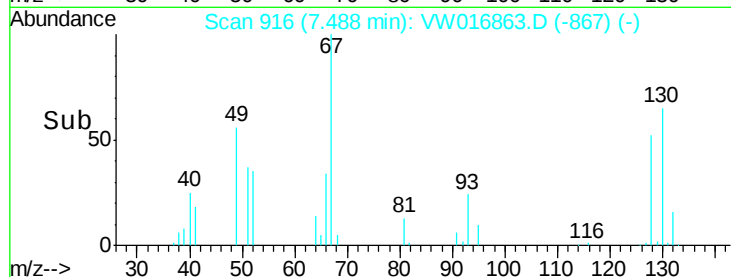
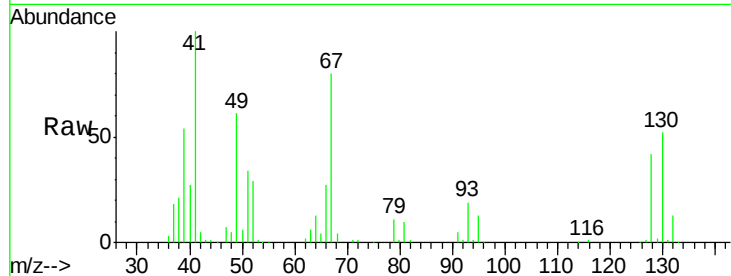
#41
Methacrylonitrile
Concen: 204.375 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	146116
Ion Ratio	Lower	Upper	
41	100		
39	53.6	47.0	70.6
67	77.0	68.6	102.8
52	29.9	28.1	42.1

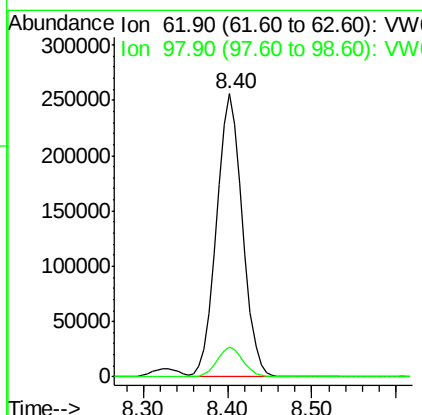
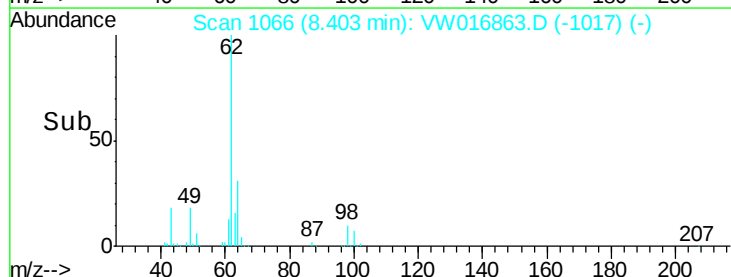
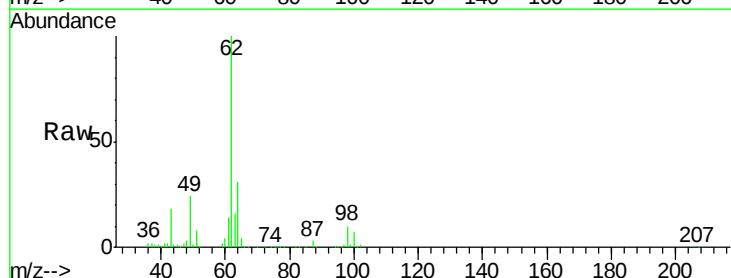
Manual Integrations
APPROVED

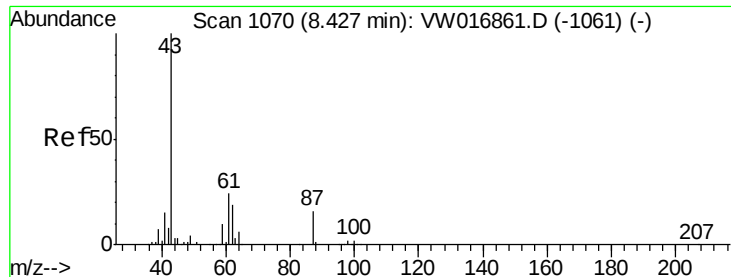
apatel
10/12/2020 1:58:49 PM



#42
1,2-Dichloroethane
Concen: 139.629 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	62	Resp	542723
Ion Ratio	Lower	Upper	
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 143.501 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

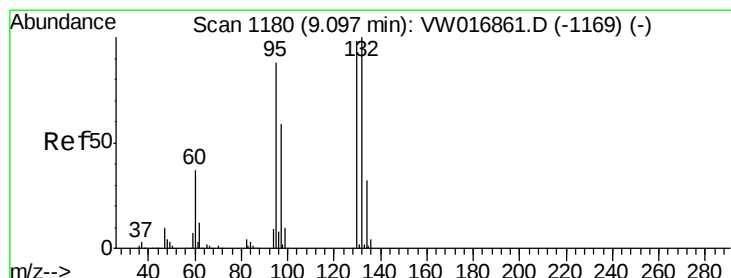
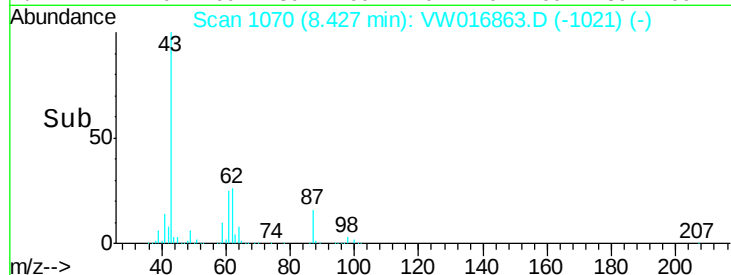
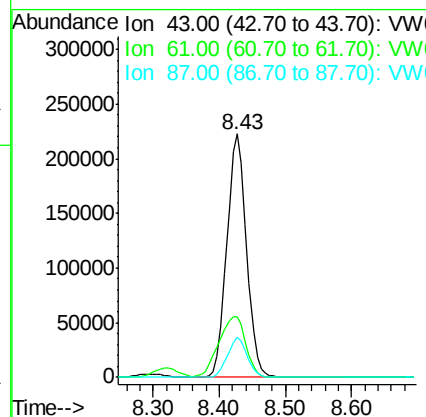
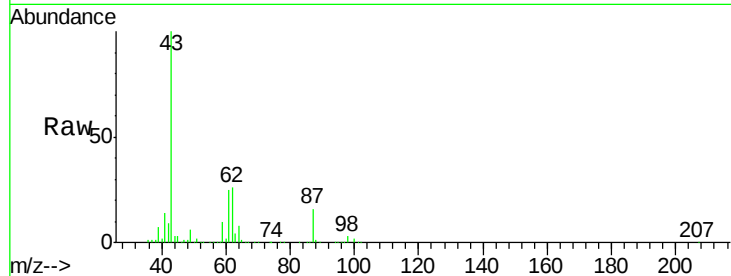
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	458049
Ion Ratio		Lower	Upper
43	100		
61	34.4	27.5	41.3
87	16.5	13.6	20.4

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#44

Trichloroethene

Concen: 141.877 ug/l

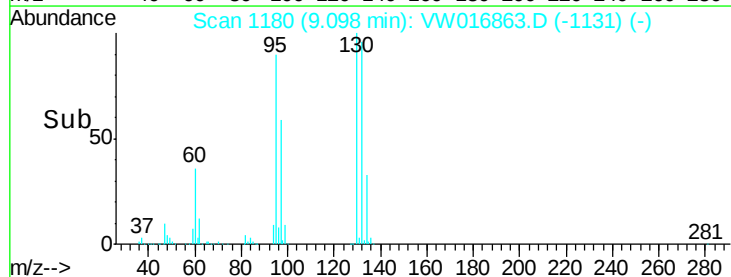
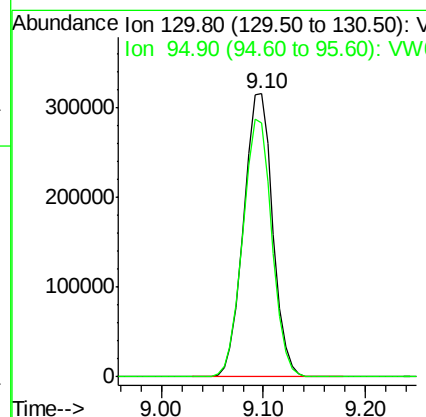
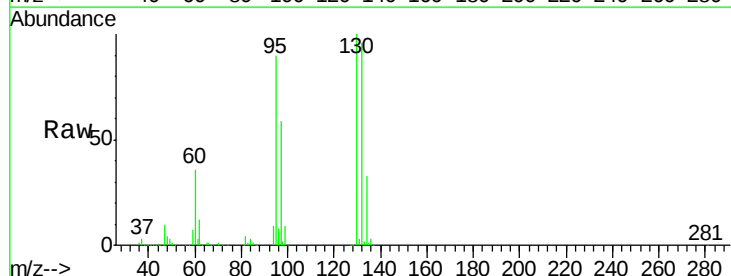
RT: 9.10 min Scan# 1180

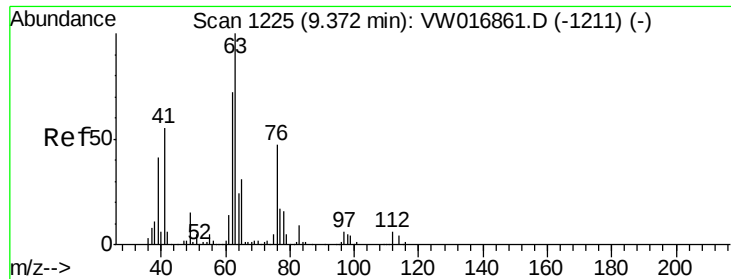
Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion:	130	Resp:	623995
Ion Ratio		Lower	Upper
130	100		
95	89.9	0.0	180.2





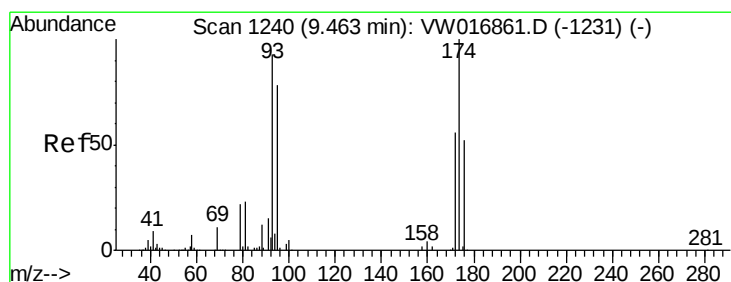
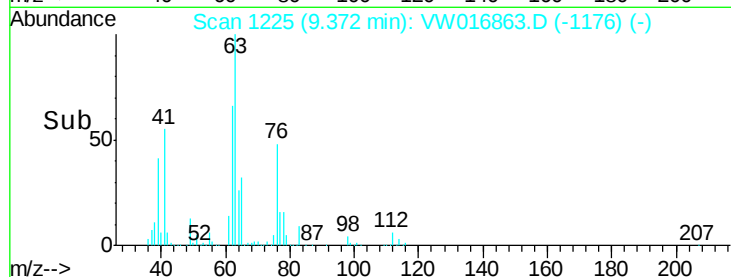
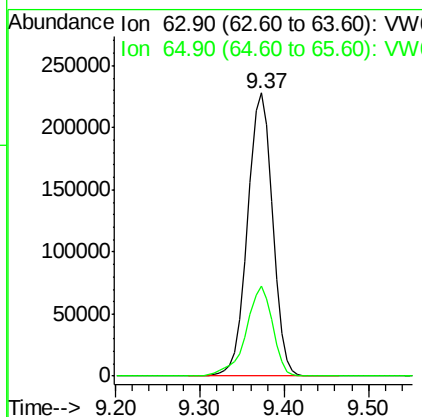
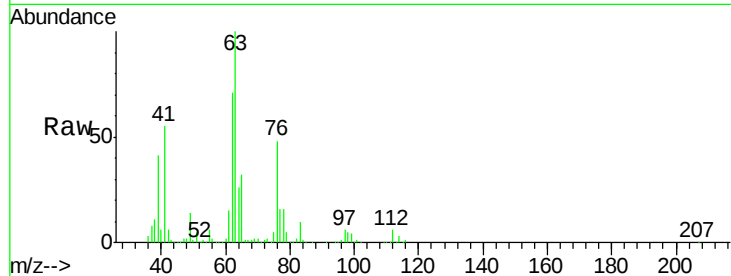
#45
 1,2-Dichloropropane
 Concen: 140.650 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 455769
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.1 37.7

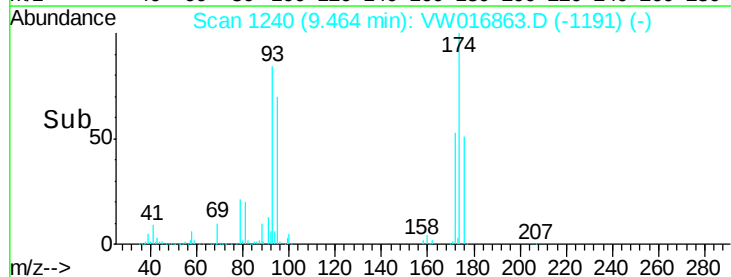
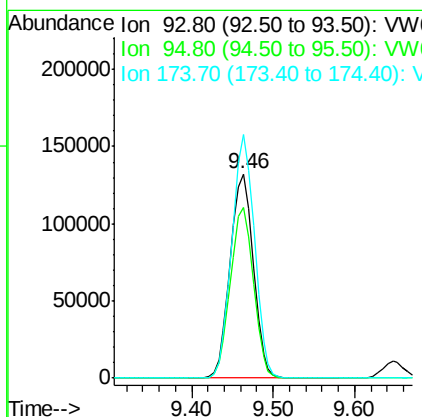
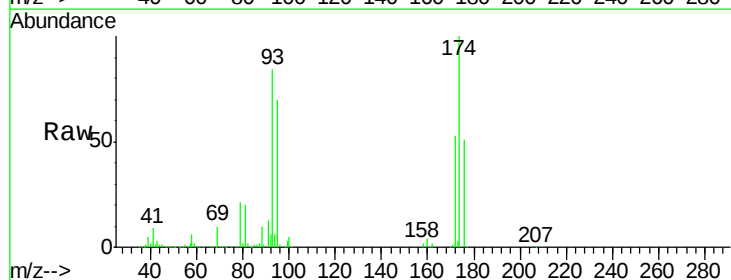
Manual Integrations
 APPROVED

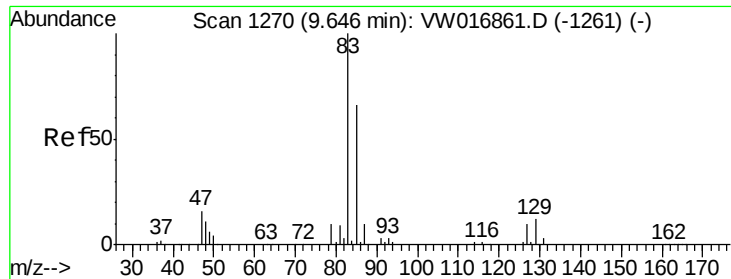
apatel
 10/12/2020 1:58:49 PM



#46
 Dibromomethane
 Concen: 139.737 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 93 Resp: 258996
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 116.3 91.0 136.6





#47

Bromodichloromethane

Concen: 147.870 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

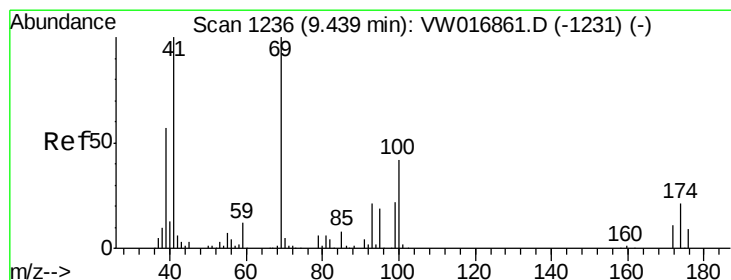
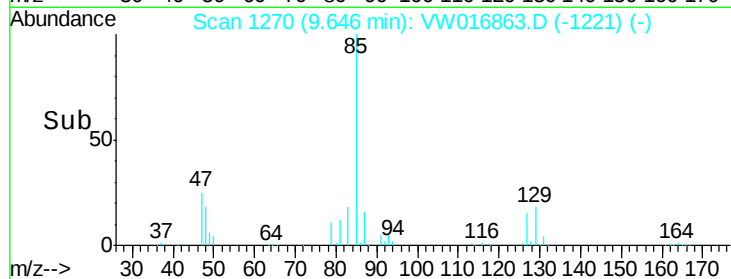
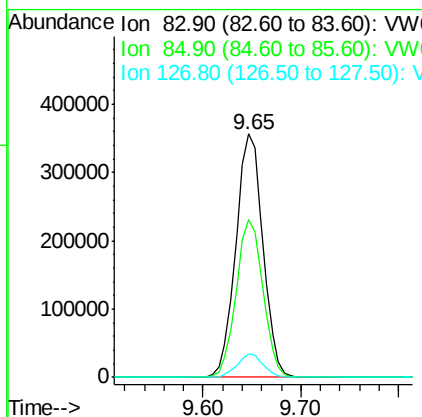
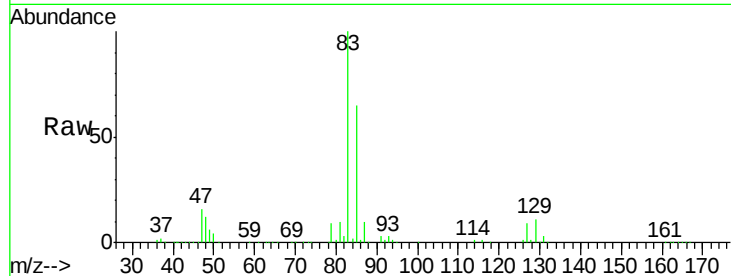
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	681456
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.7	79.1
127	9.4	7.8	11.6

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#48

Methyl methacrylate

Concen: 149.693 ug/l

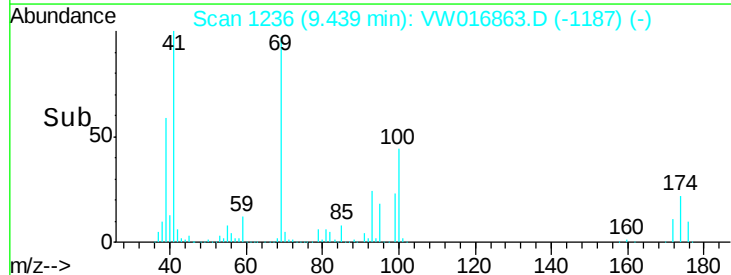
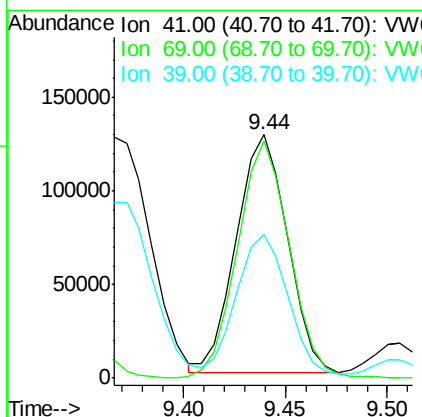
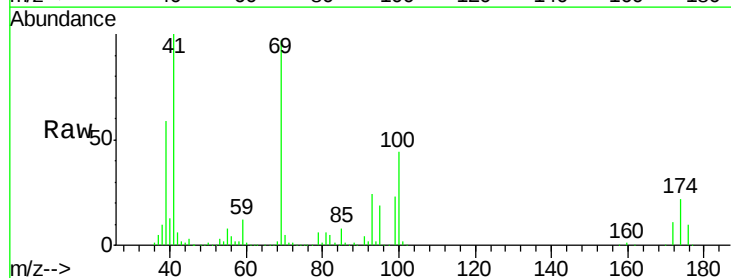
RT: 9.44 min Scan# 1236

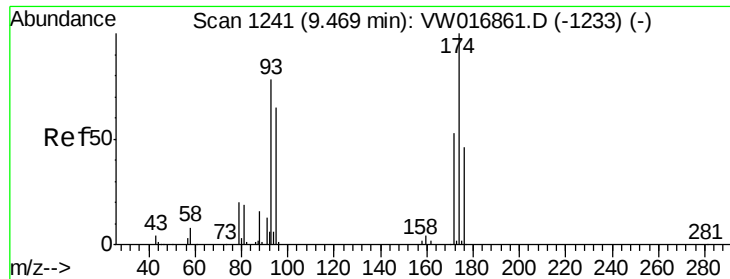
Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion:	41	Resp:	220185
Ion Ratio	Lower	Upper	
41	100		
69	101.6	83.5	125.3
39	62.0	50.9	76.3





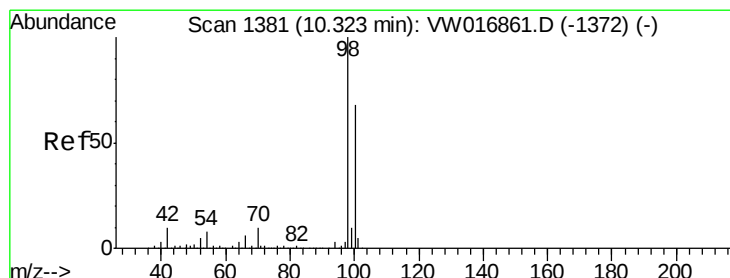
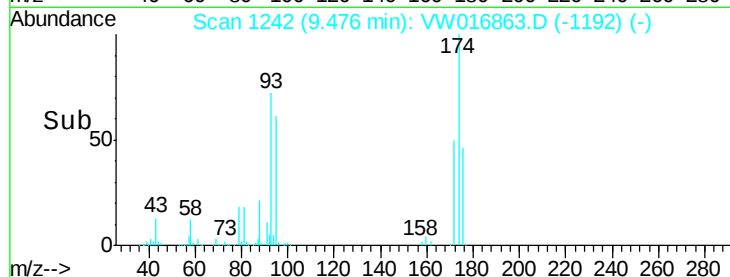
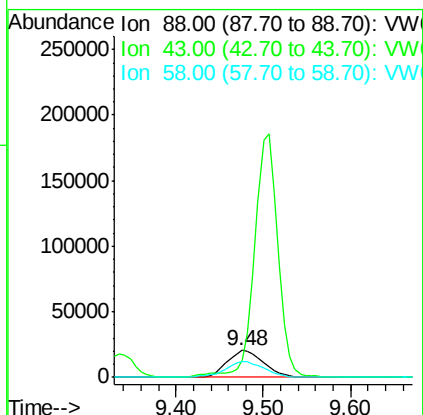
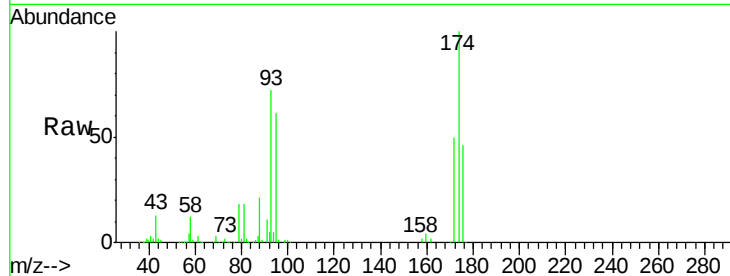
#49
1,4-Dioxane
Concen: 2780.703 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	64.5	54.0	81.0

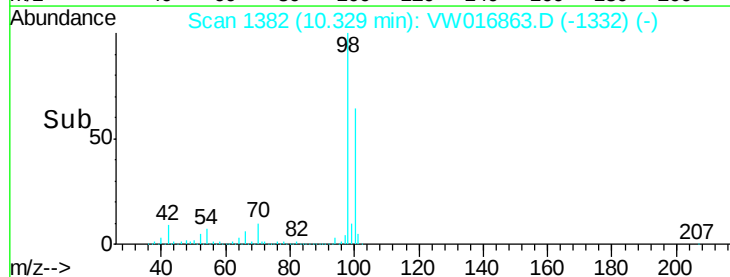
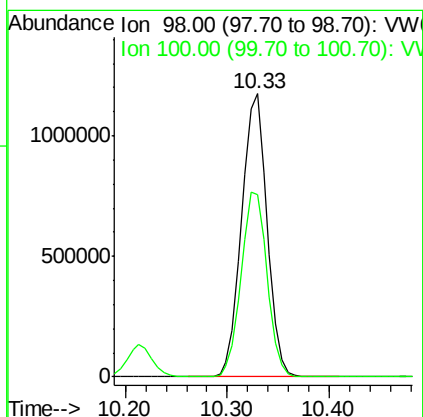
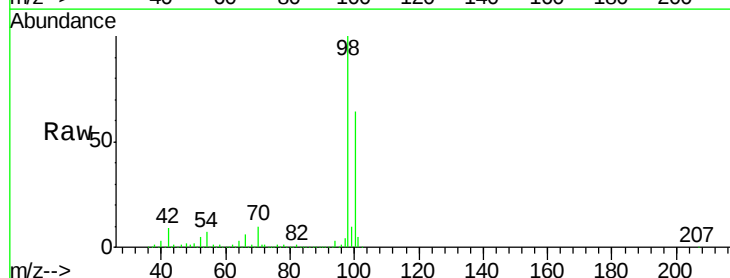
Manual Integrations
APPROVED

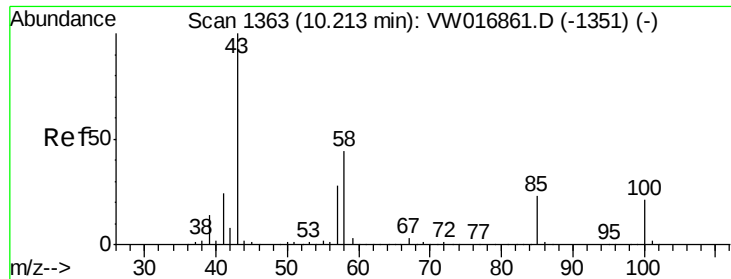
apatel
10/12/2020 1:58:49 PM



#50
Toluene-d8
Concen: 150.082 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 678.947 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1096357

Ion Ratio Lower Upper

43 100

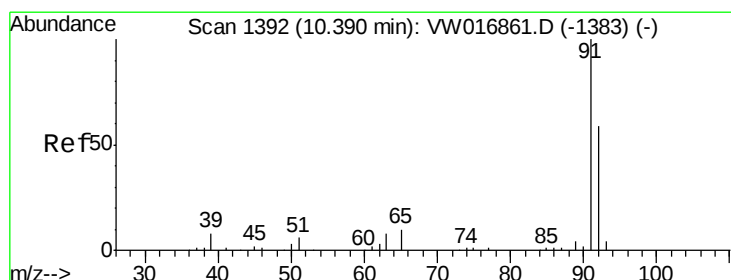
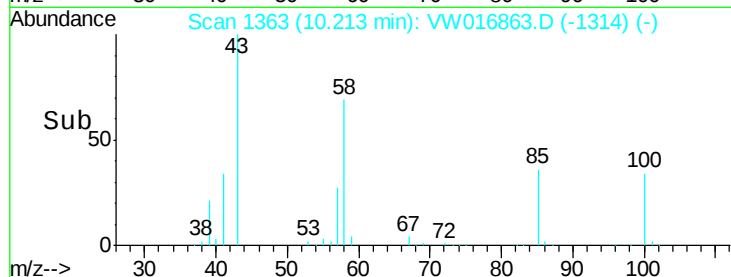
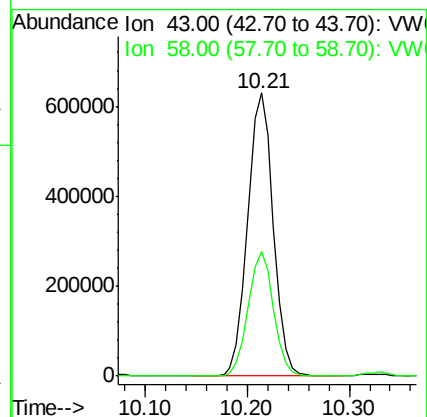
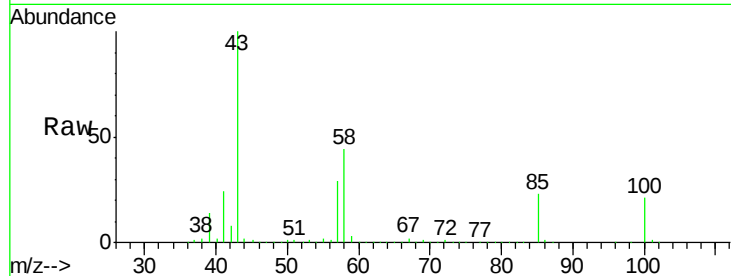
58 43.6 34.7 52.1

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#52

Toluene

Concen: 141.758 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016863.D

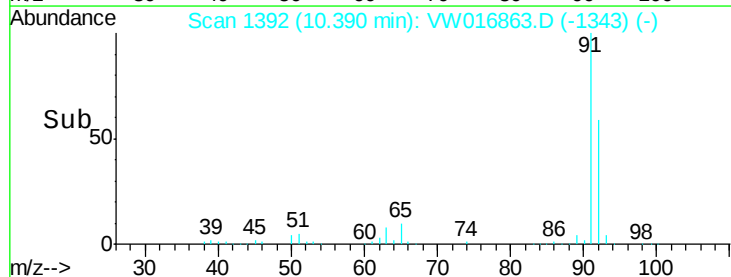
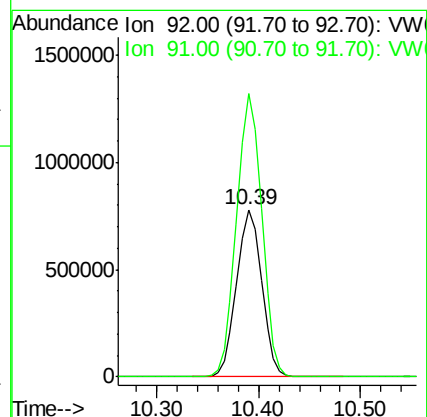
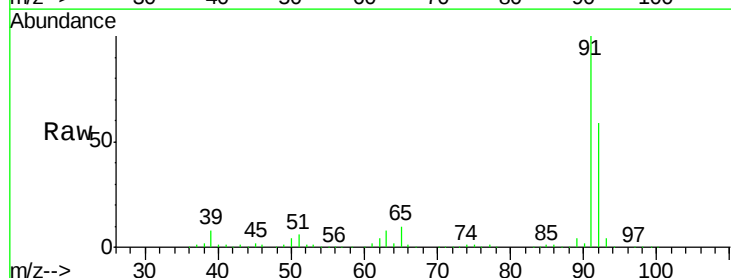
Acq: 09 Oct 2020 15:46

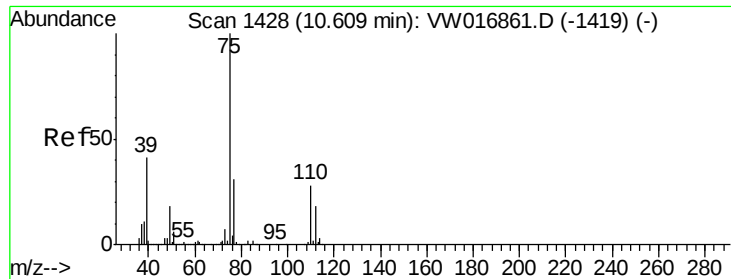
Tgt Ion: 92 Resp: 1331563

Ion Ratio Lower Upper

92 100

91 169.7 134.7 202.1





#53

t-1,3-Dichloropropene

Concen: 156.084 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 654843

Ion Ratio Lower Upper

75 100

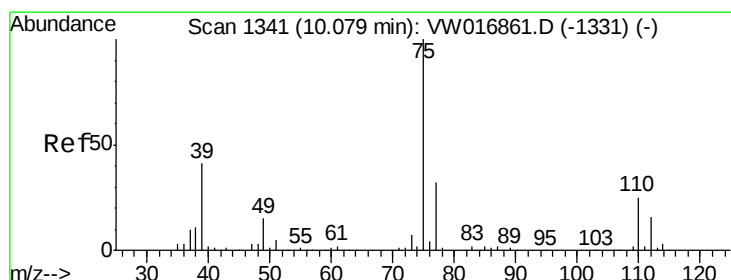
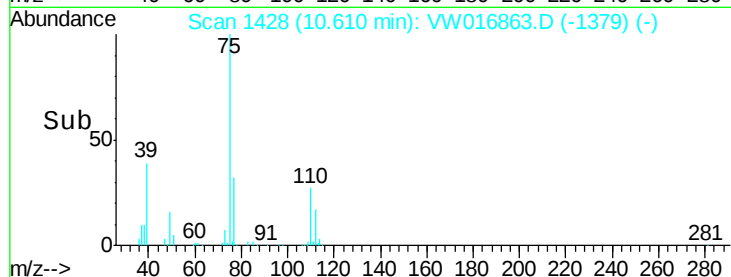
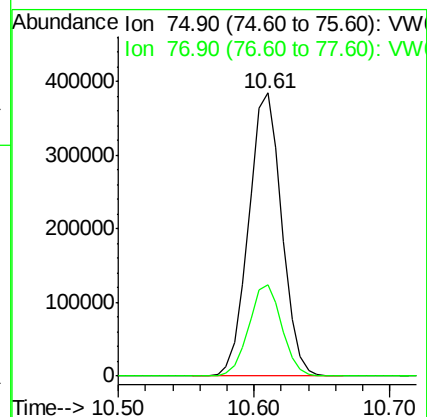
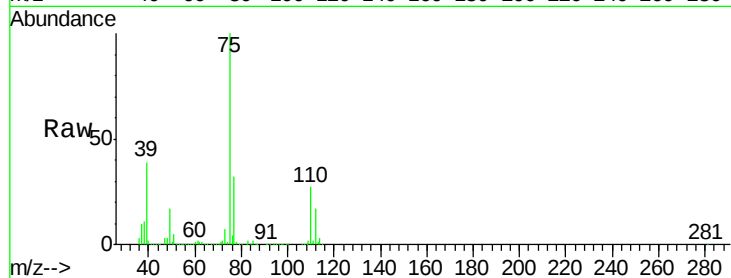
77 32.3 24.8 37.2

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#54

cis-1,3-Dichloropropene

Concen: 152.243 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

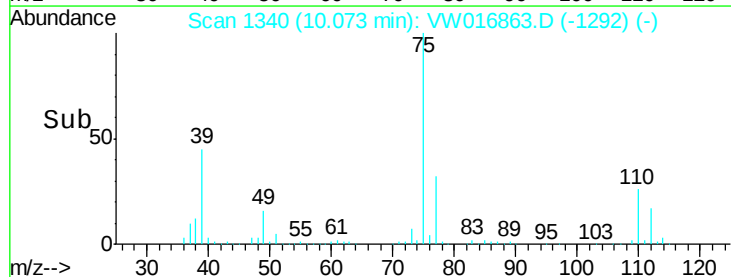
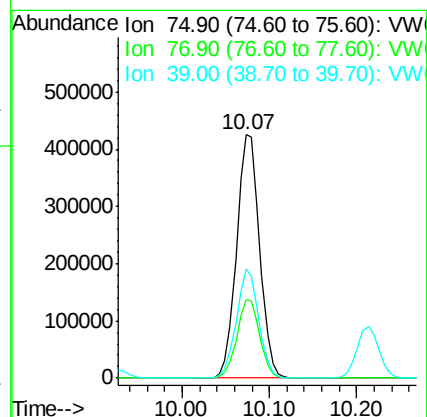
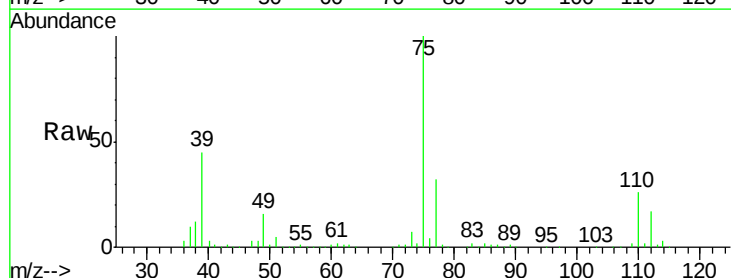
Tgt Ion: 75 Resp: 780166

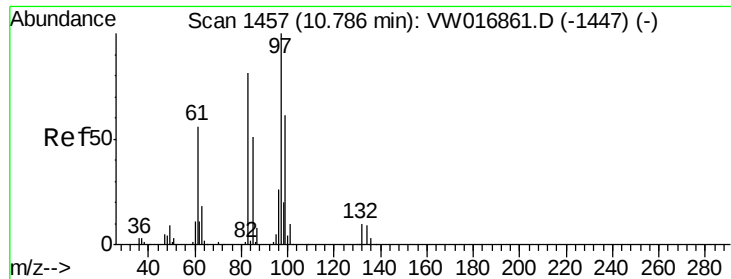
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

39 44.8 32.9 49.3





#55

1,1,2-Trichloroethane

Concen: 139.634 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

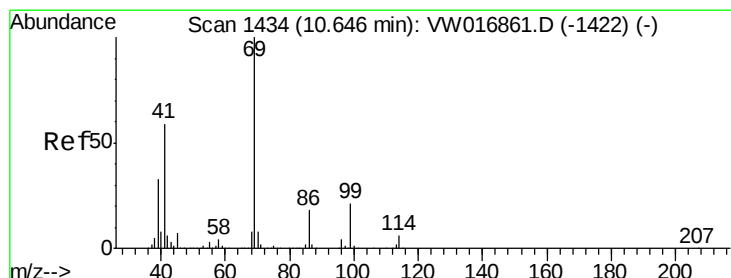
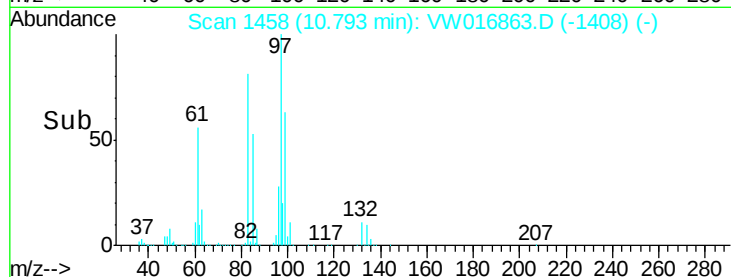
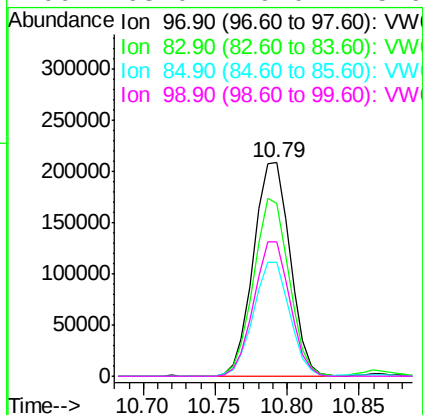
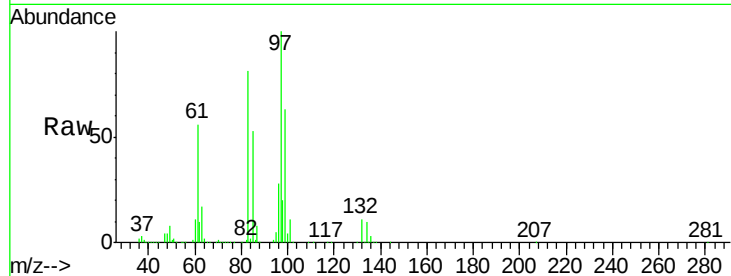
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		368385		
83	80.9	64.6	97.0		
85	53.4	40.6	61.0		
99	63.0	49.0	73.6		

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#56

Ethyl methacrylate

Concen: 150.607 ug/l

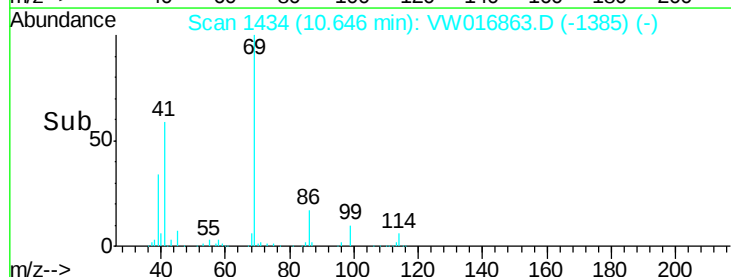
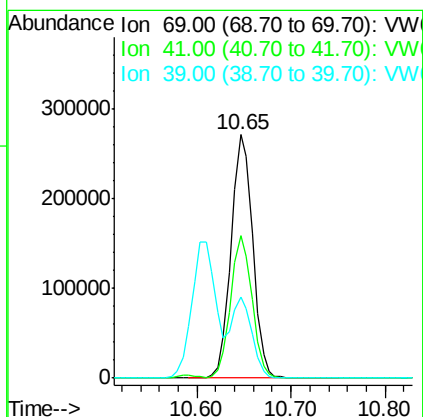
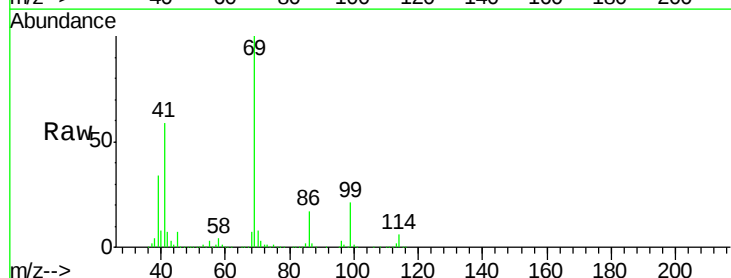
RT: 10.65 min Scan# 1434

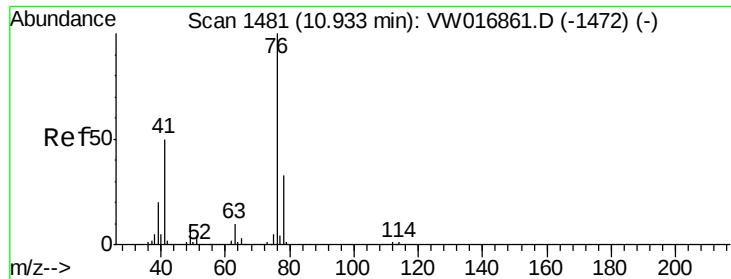
Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		432243		
41	57.8	46.3	69.5		
39	32.2	25.9	38.9		





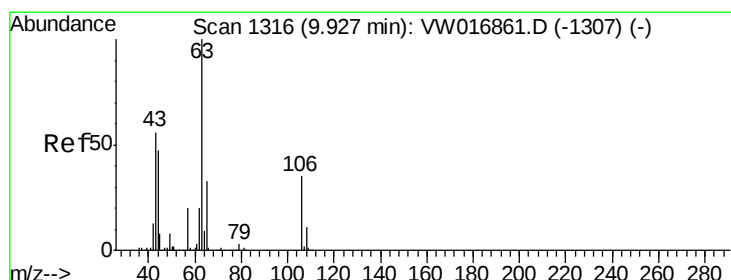
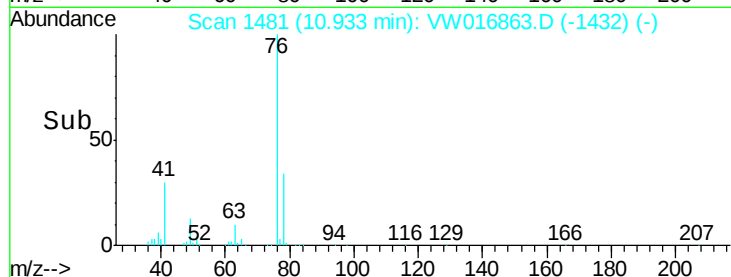
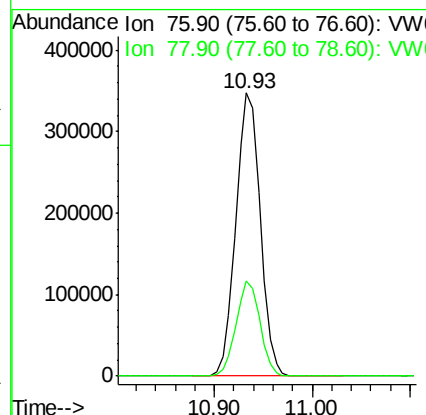
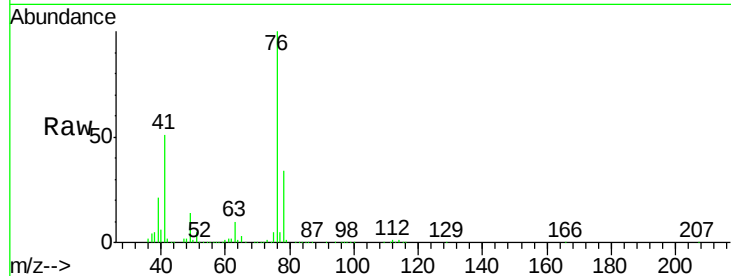
#57
 1,3-Dichloropropane
 Concen: 137.770 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 601334
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.0 39.0

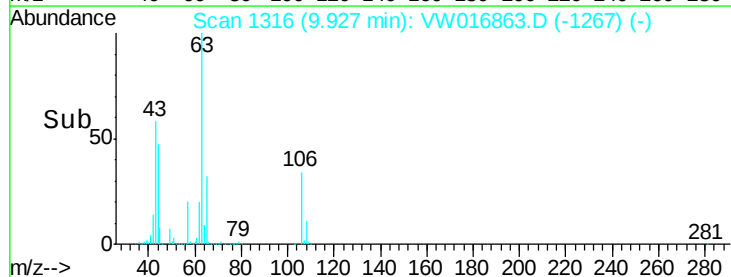
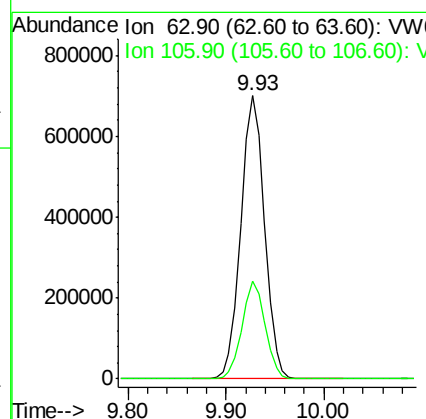
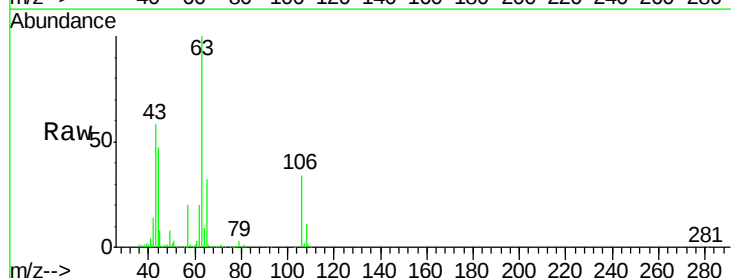
Manual Integrations
 APPROVED

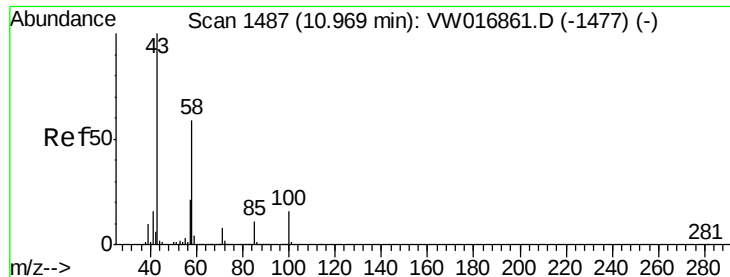
apatel
 10/12/2020 1:58:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 740.115 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 63 Resp: 1177077
 Ion Ratio Lower Upper
 63 100
 106 33.7 27.0 40.4





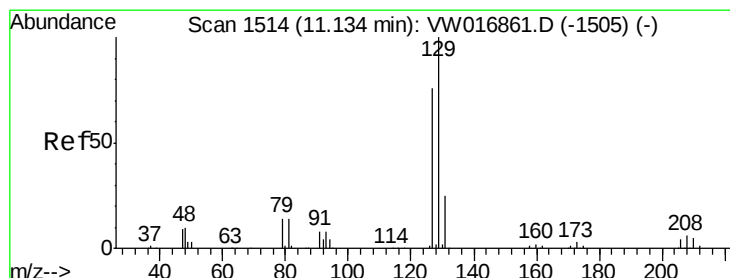
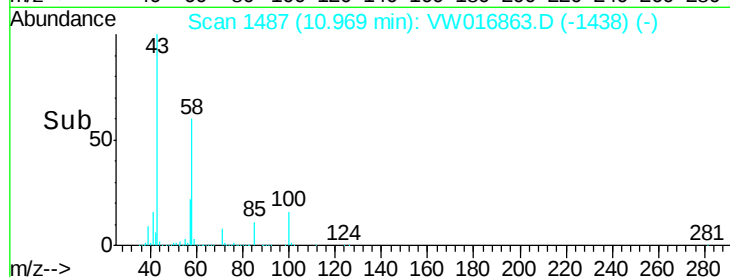
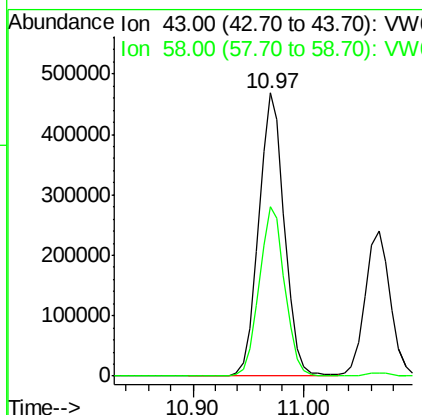
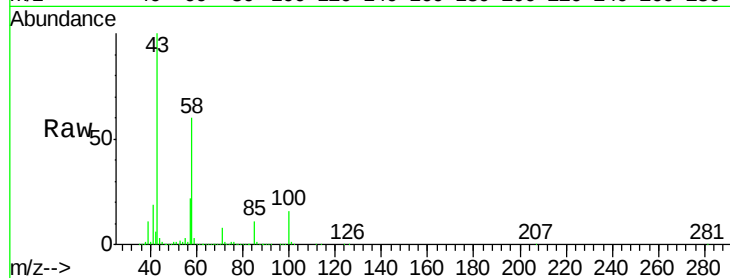
#59
2-Hexanone
Concen: 703.969 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.8	29.5	88.5

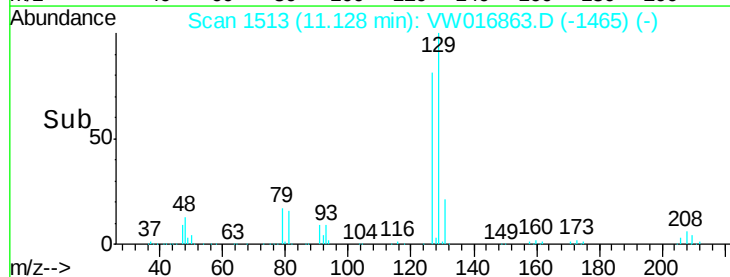
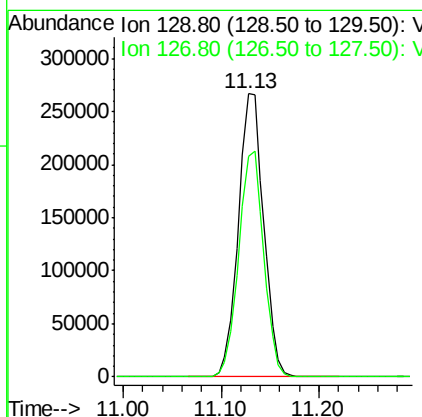
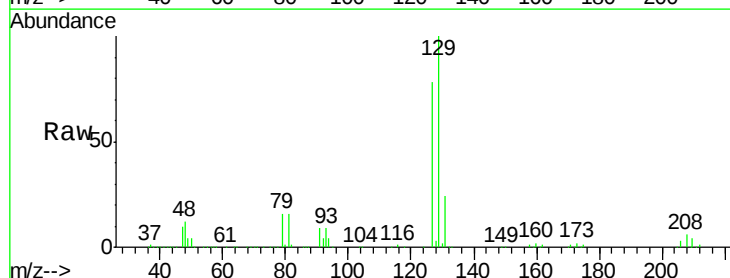
Manual Integrations
APPROVED

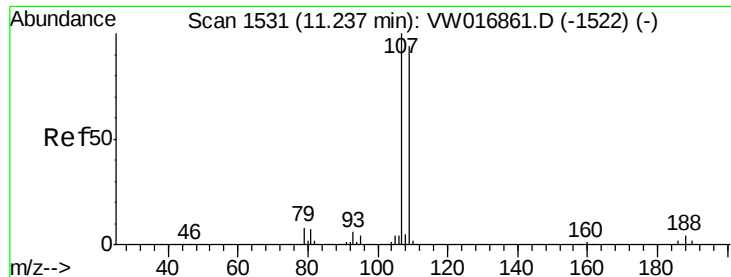
apatel
10/12/2020 1:58:49 PM



#60
Dibromochloromethane
Concen: 147.699 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.9	116.6





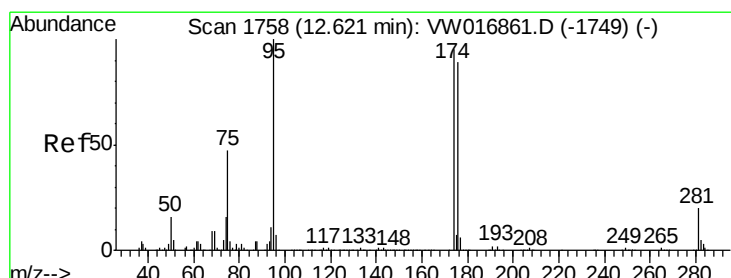
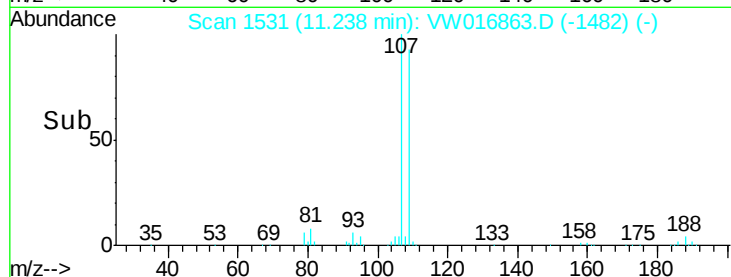
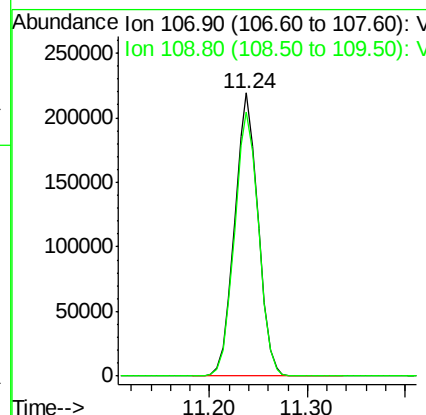
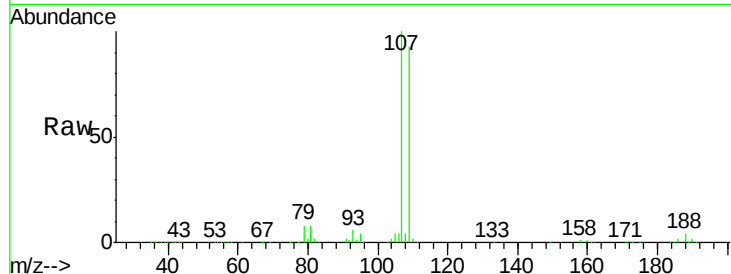
#61
 1,2-Dibromoethane
 Concen: 139.026 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.7	112.1

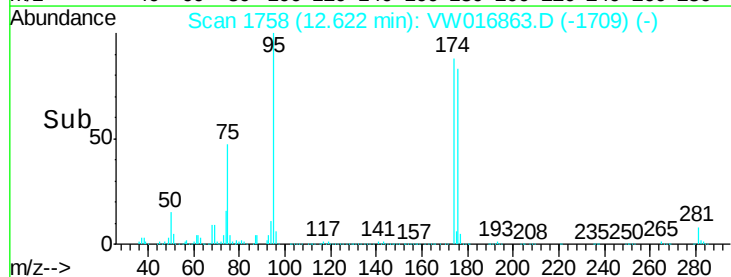
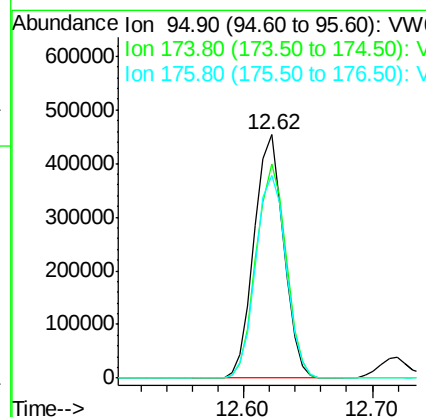
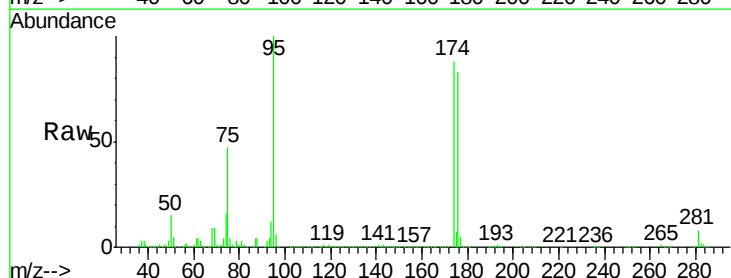
Manual Integrations
 APPROVED

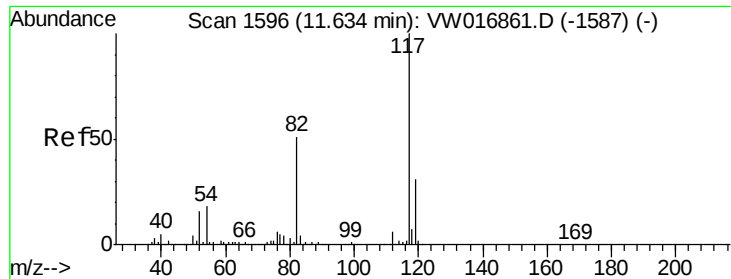
apatel
 10/12/2020 1:58:49 PM



#62
 4-Bromofluorobenzene
 Concen: 153.692 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	180.6
176	85.8	0.0	177.6





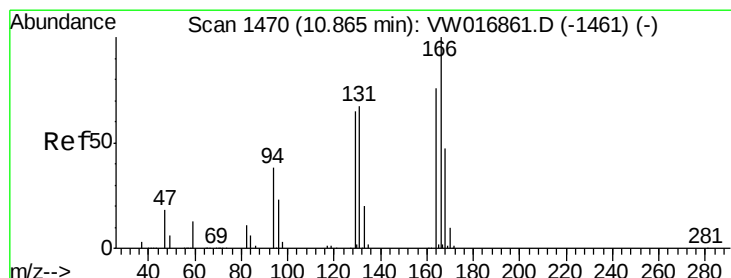
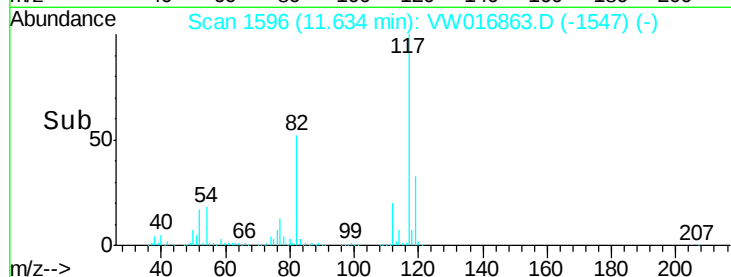
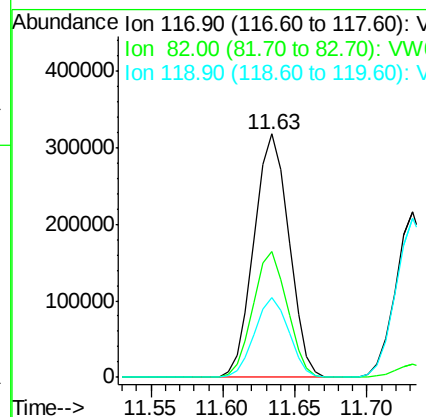
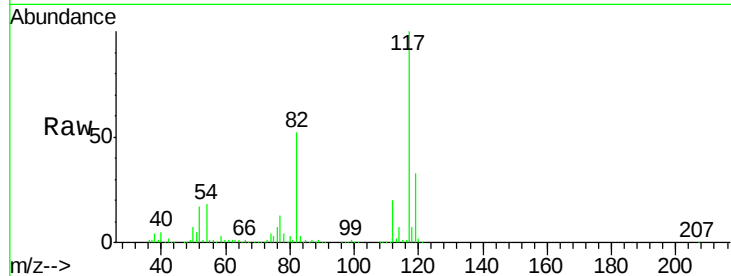
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	532917		
82	51.8	40.7	61.1	
119	32.5	25.0	37.4	

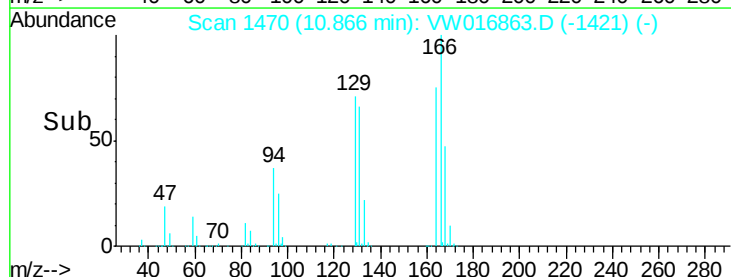
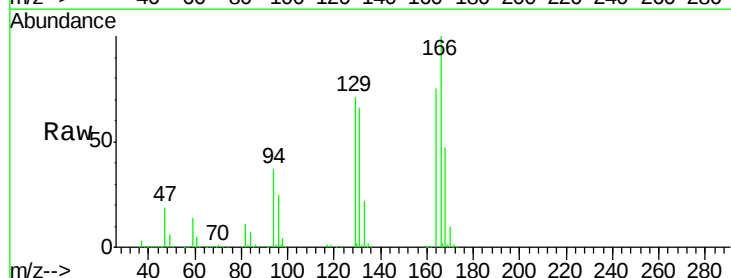
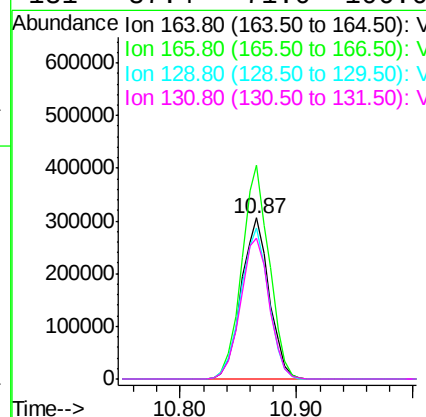
Manual Integrations
APPROVED

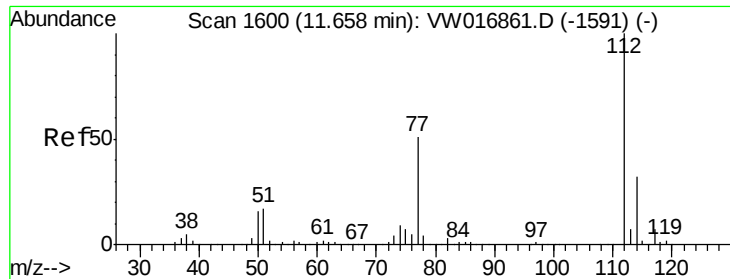
apatel
10/12/2020 1:58:49 PM



#64
Tetrachloroethene
Concen: 134.146 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	509329		
166	132.6	105.3	157.9	
129	93.8	68.8	103.2	
131	87.4	71.0	106.6	





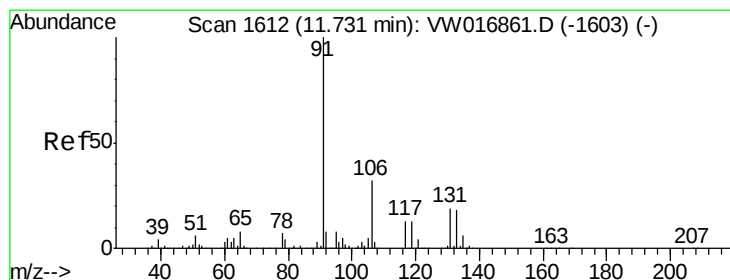
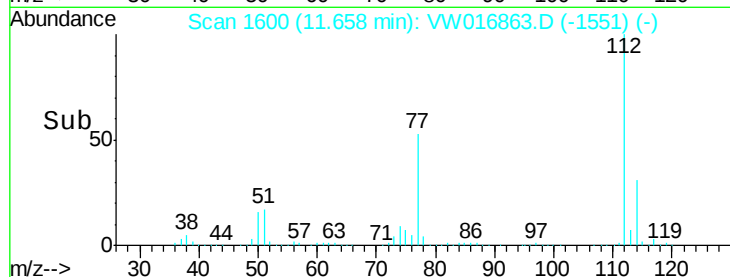
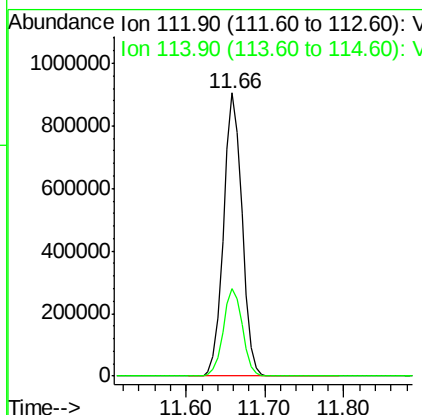
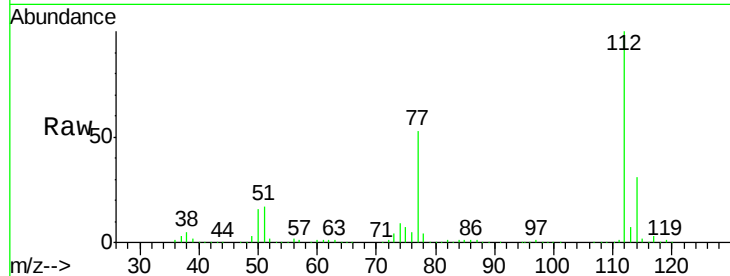
#65
Chlorobenzene
Concen: 140.576 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1469424
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9

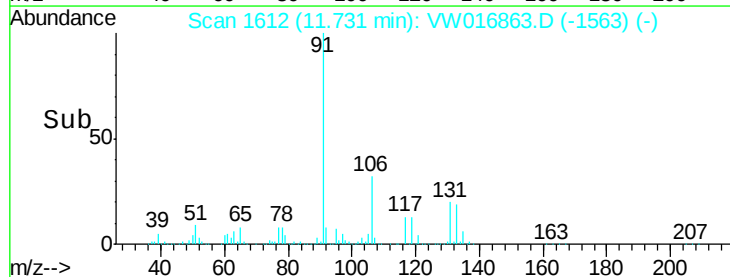
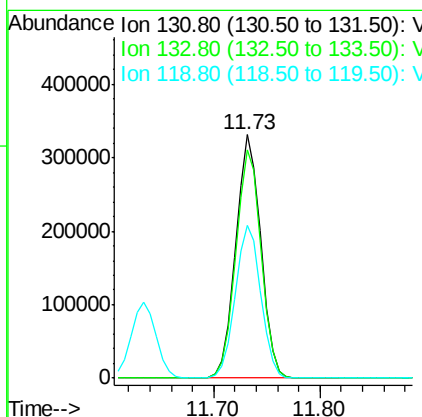
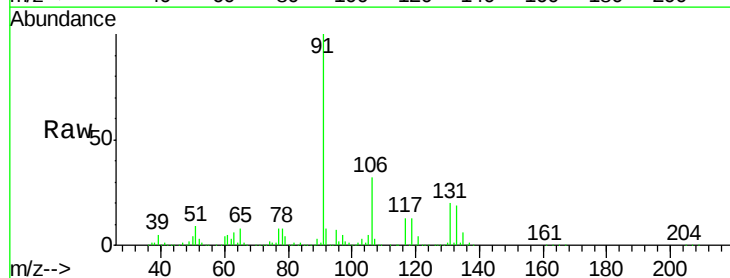
Manual Integrations
APPROVED

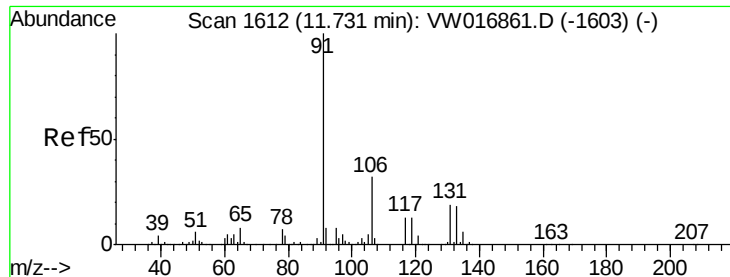
apatel
10/12/2020 1:58:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 147.492 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:131 Resp: 545220
Ion Ratio Lower Upper
131 100
133 95.0 48.1 144.3
119 64.0 32.5 97.4





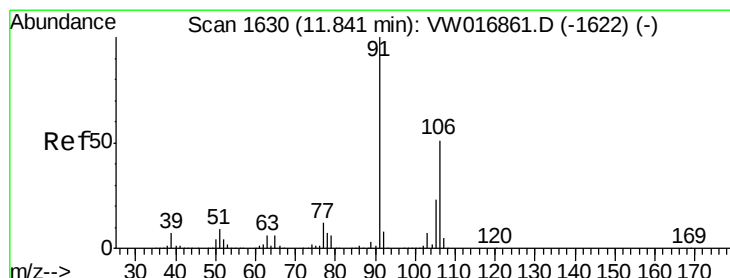
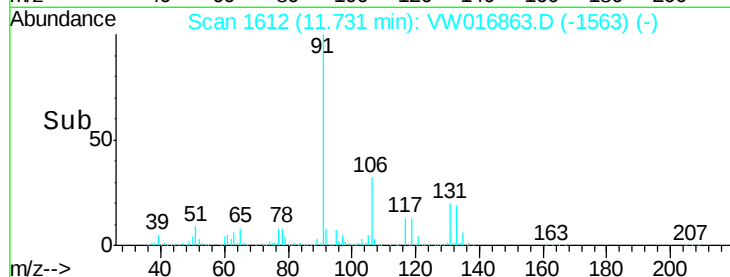
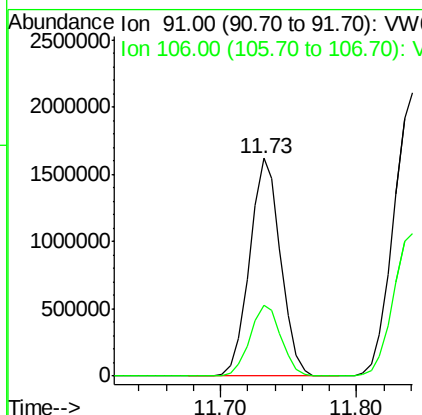
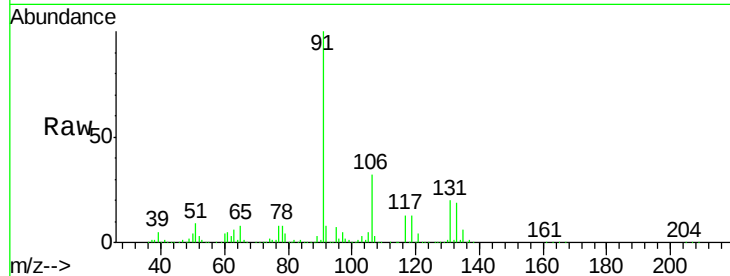
#67
Ethyl Benzene
Concen: 141.724 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2581459
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9

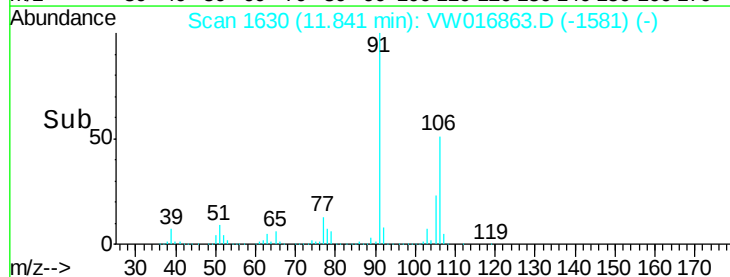
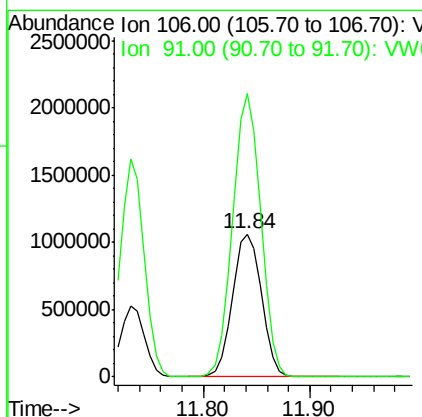
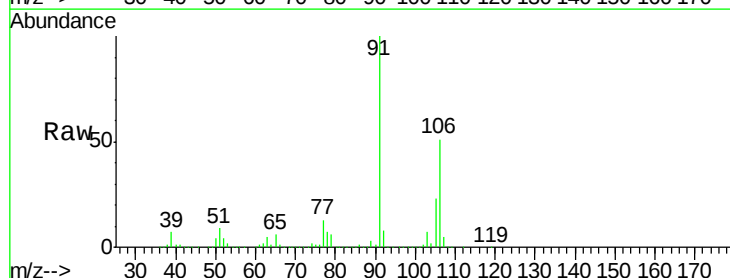
Manual Integrations
APPROVED

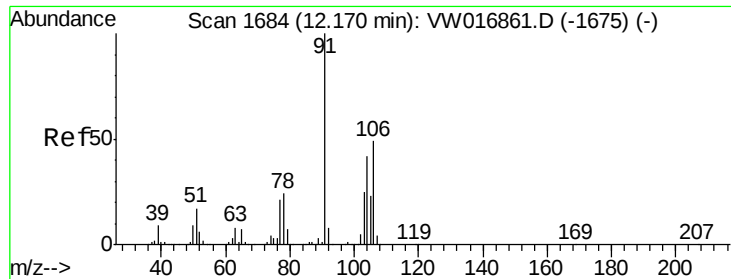
apatel
10/12/2020 1:58:49 PM



#68
m/p-Xylenes
Concen: 286.249 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 106 Resp: 2027839
Ion Ratio Lower Upper
106 100
91 193.3 157.4 236.0





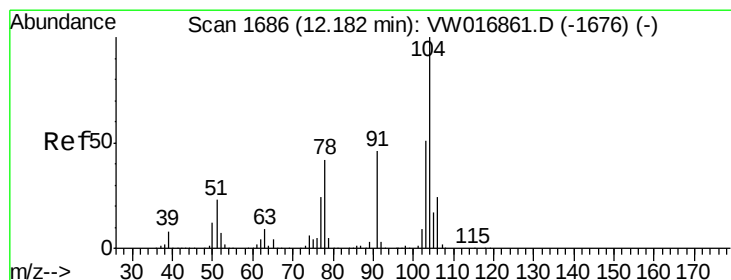
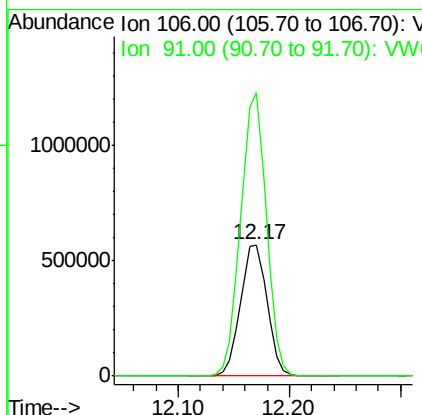
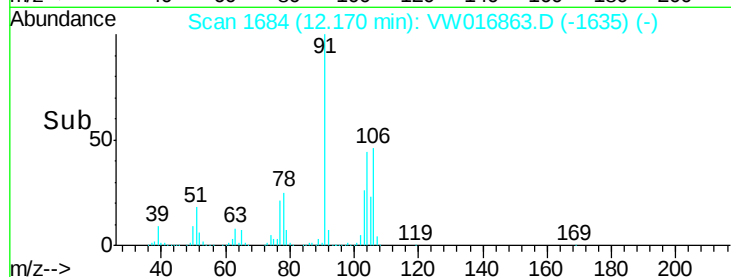
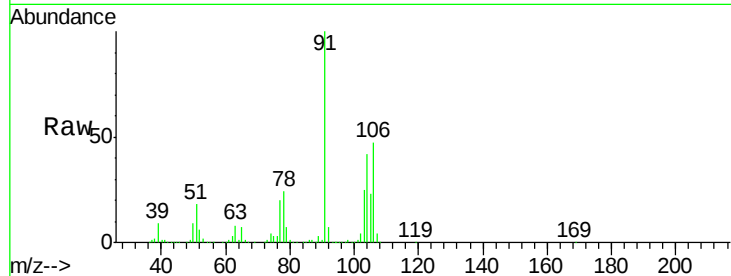
#69
o-Xylene
Concen: 145.912 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.1	103.6	310.9

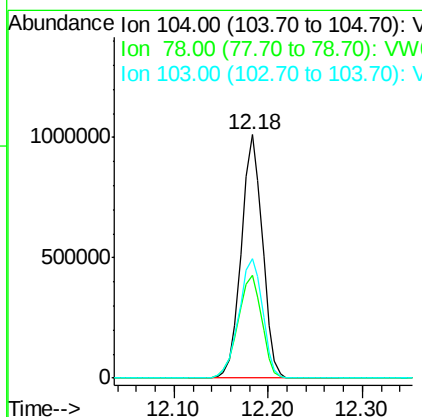
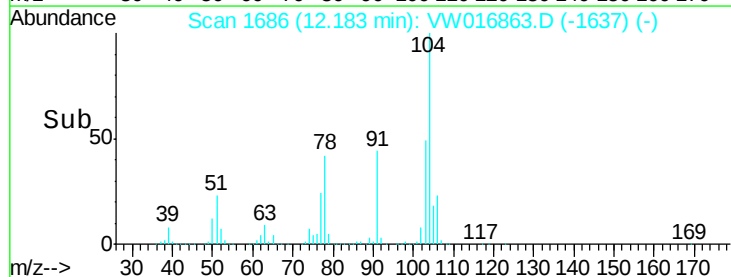
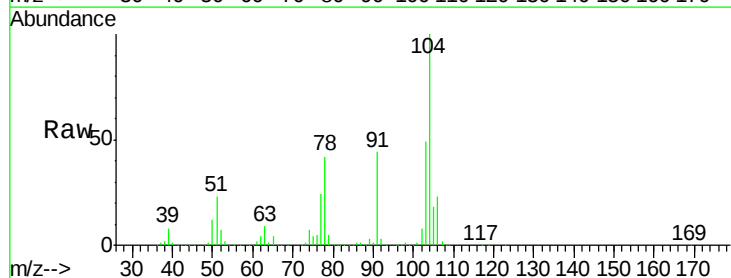
Manual Integrations
APPROVED

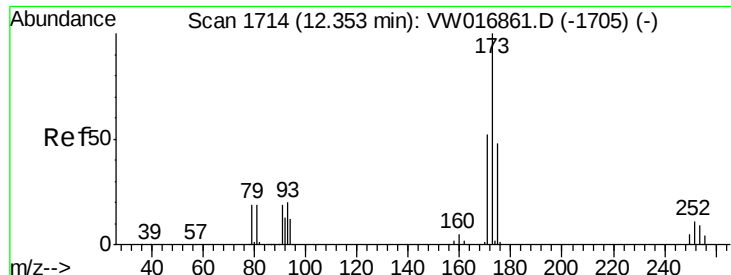
apatel
10/12/2020 1:58:49 PM



#70
Styrene
Concen: 146.695 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.6	56.4
103	54.9	43.6	65.4





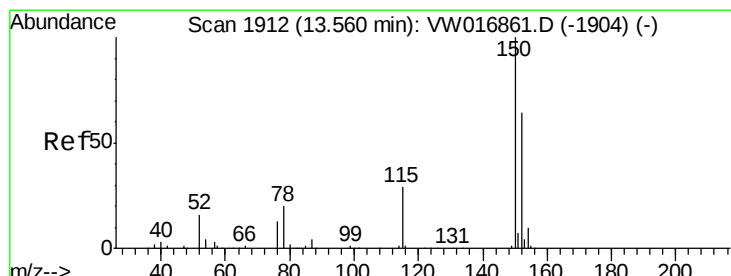
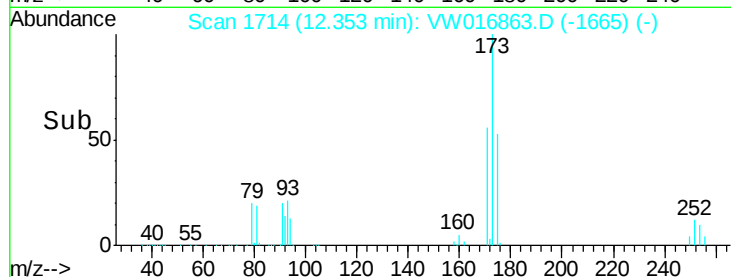
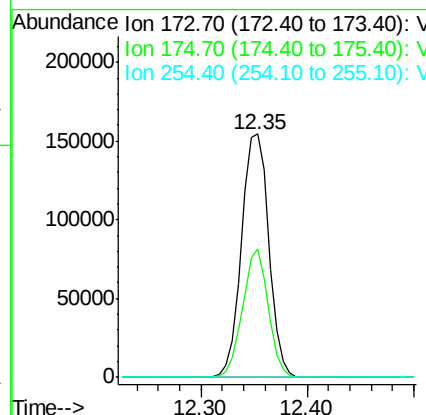
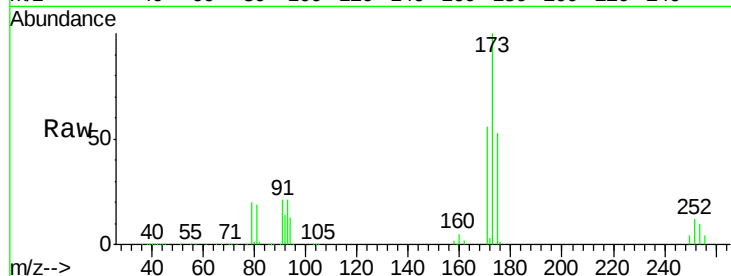
#71
Bromoform
Concen: 149.872 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.0	0.1	0.1

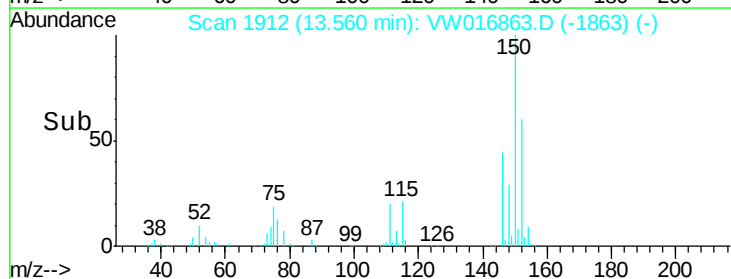
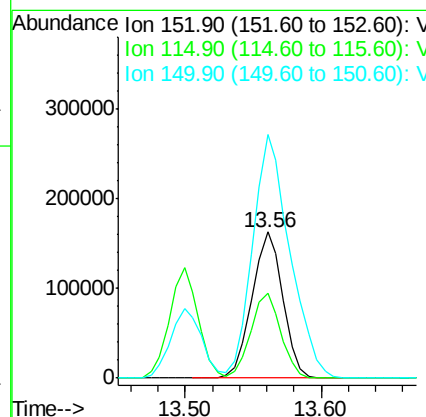
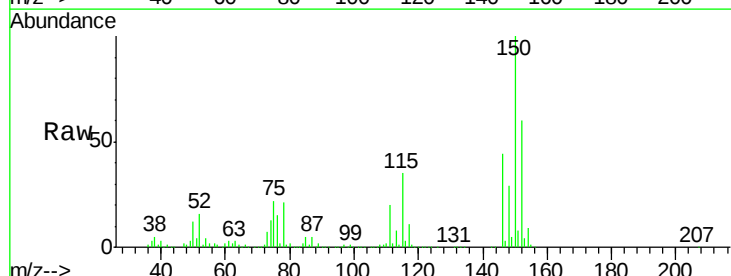
Manual Integrations
APPROVED

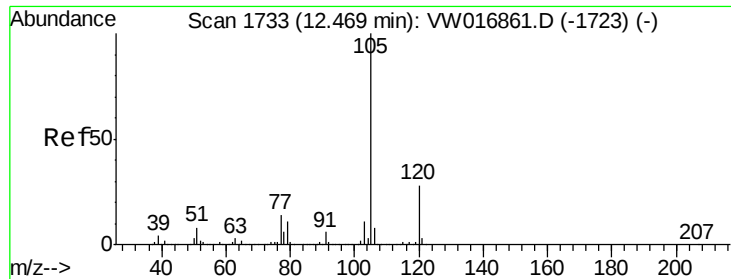
apatel
10/12/2020 1:58:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.9	83.7
150	200.3	0.0	344.0





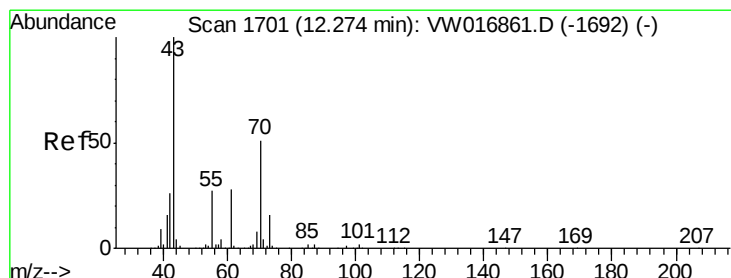
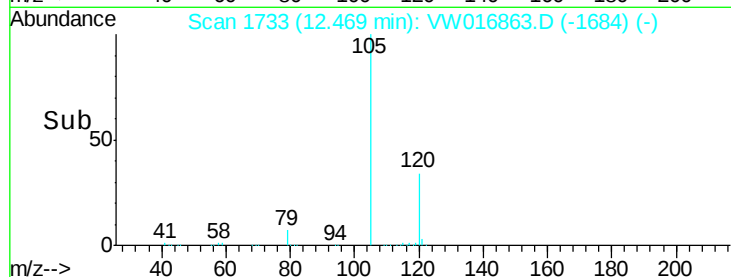
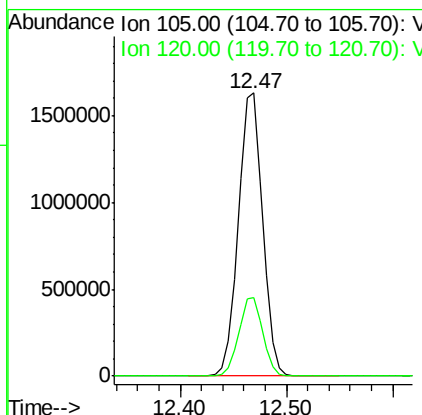
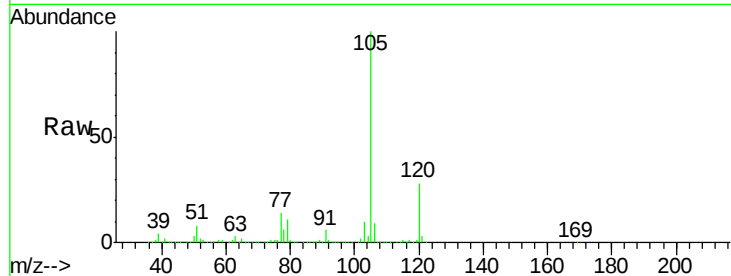
#73
Isopropylbenzene
Concen: 151.817 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 2614419
Ion Ratio Lower Upper
105 100
120 27.5 13.6 40.7

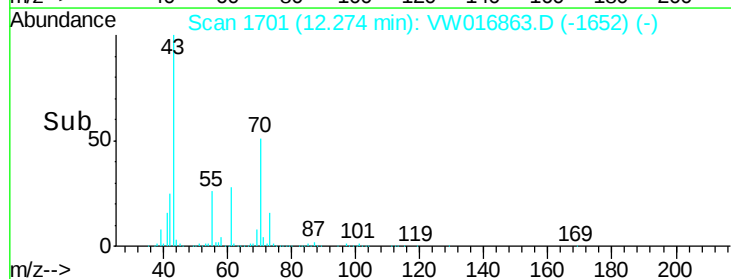
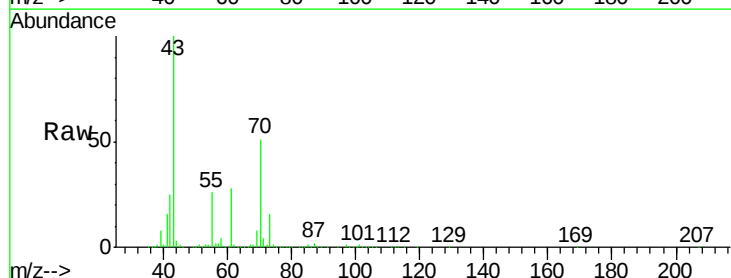
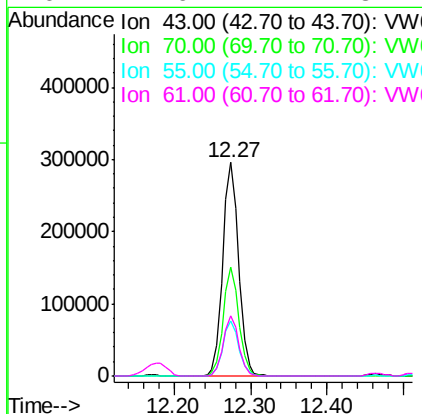
Manual Integrations
APPROVED

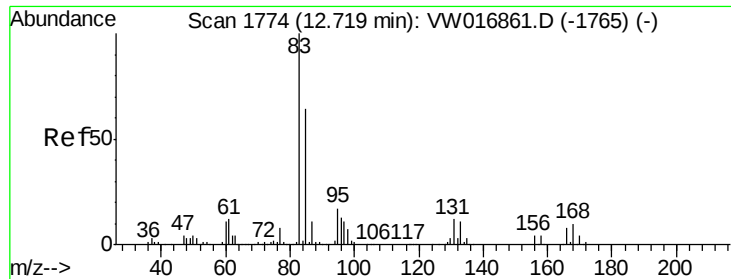
apatel
10/12/2020 1:58:49 PM



#74
N-ethyl acetate
Concen: 153.567 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 43 Resp: 424785
Ion Ratio Lower Upper
43 100
70 50.3 40.2 60.4
55 26.1 21.4 32.0
61 27.6 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 140.702 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

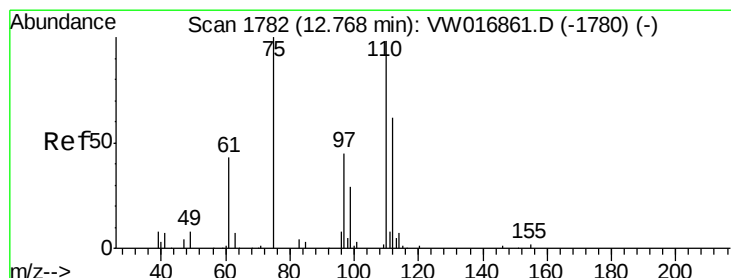
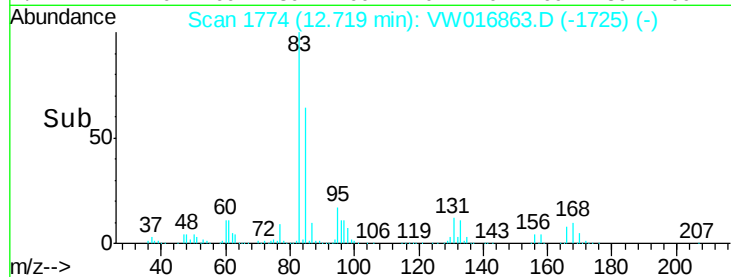
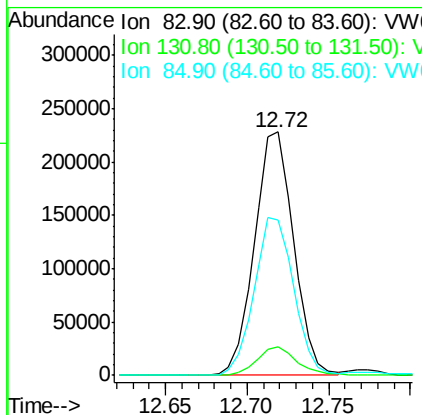
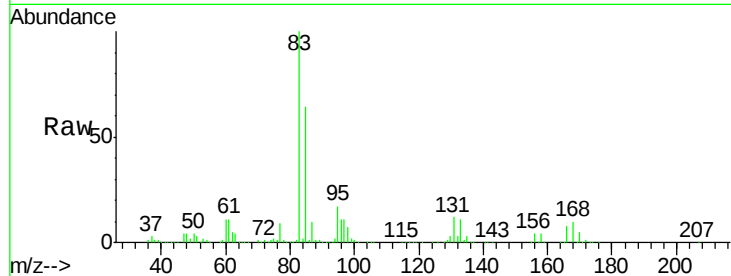
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	380174
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.1	18.3
85	65.0	32.7	98.1

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#76

1,2,3-Trichloropropane

Concen: 158.033 ug/l m

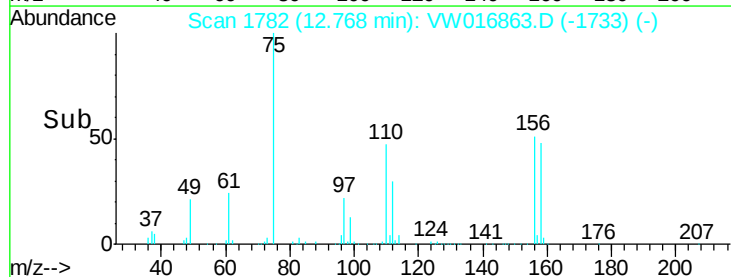
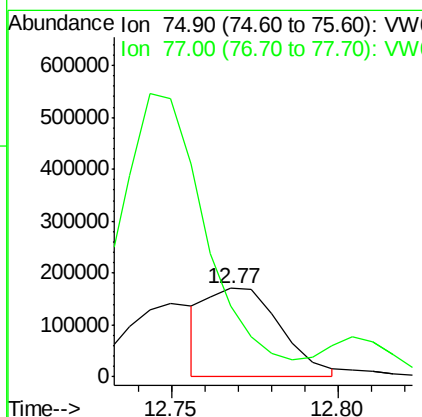
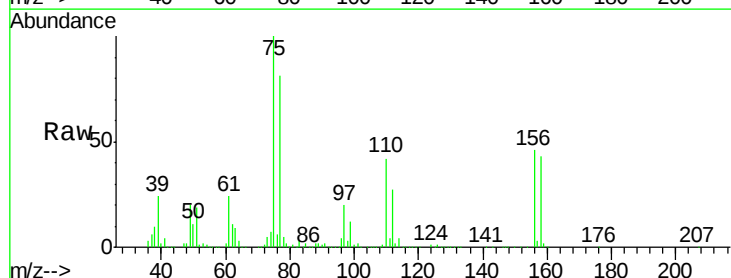
RT: 12.77 min Scan# 1782

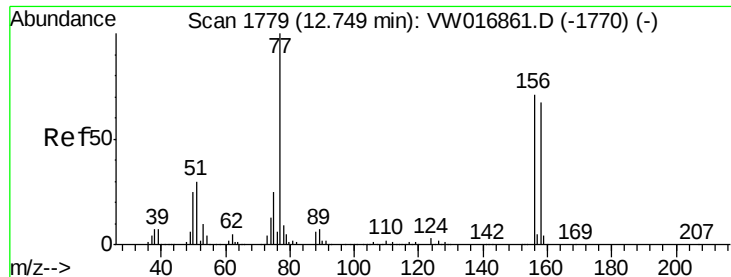
Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion:	75	Resp:	264147
Ion Ratio	Lower	Upper	
75	100		
77	0.0	178.8	536.3#





#77

Bromobenzene

Concen: 148.596 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

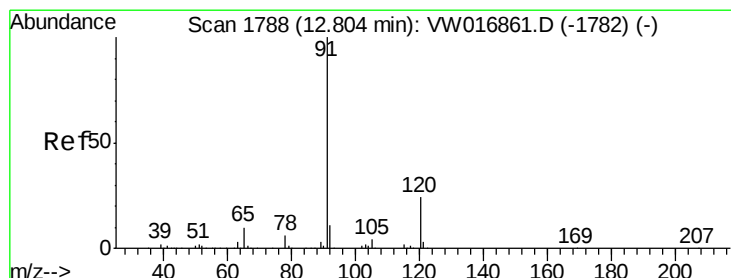
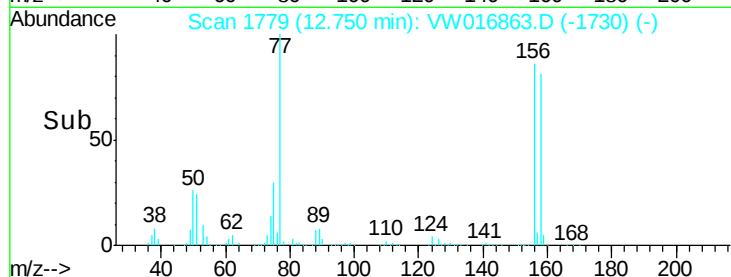
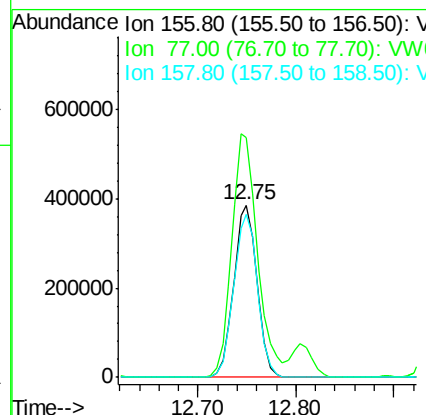
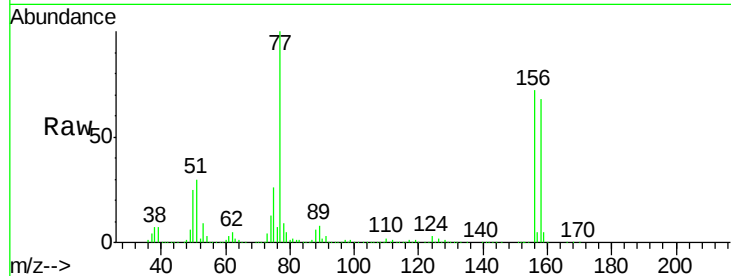
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		632560		
77	157.1	79.0	237.2		
158	96.2	47.0	141.2		

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#78

n-propylbenzene

Concen: 148.833 ug/l

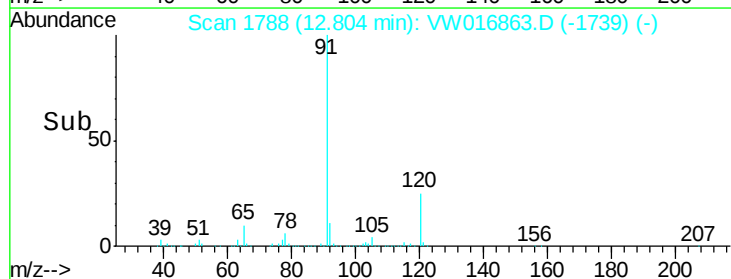
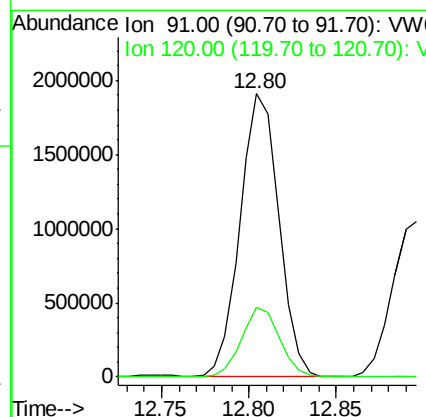
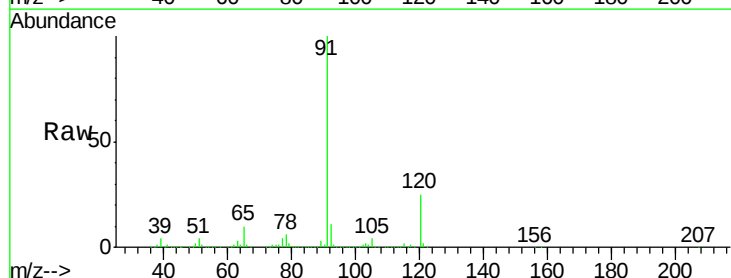
RT: 12.80 min Scan# 1788

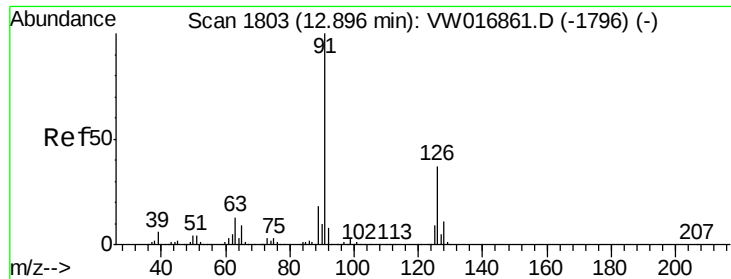
Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2955839		
120	24.2	12.0	36.1		





#79

2-Chlorotoluene

Concen: 150.194 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1701583

Ion Ratio Lower Upper

91 100

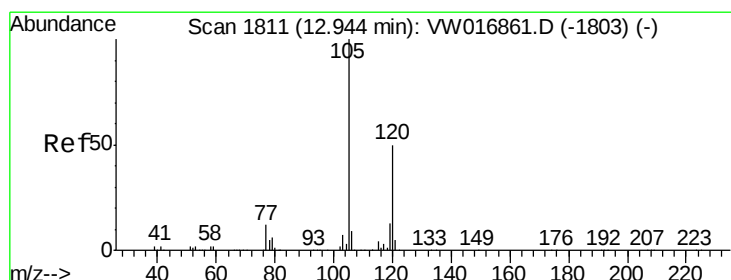
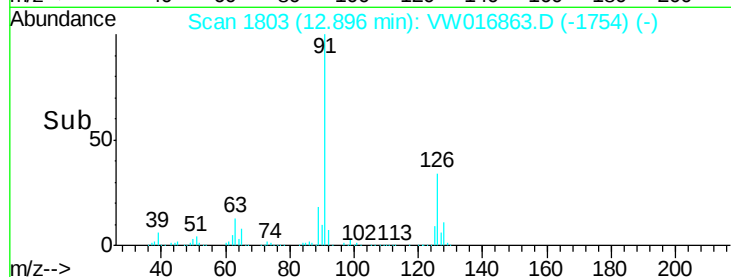
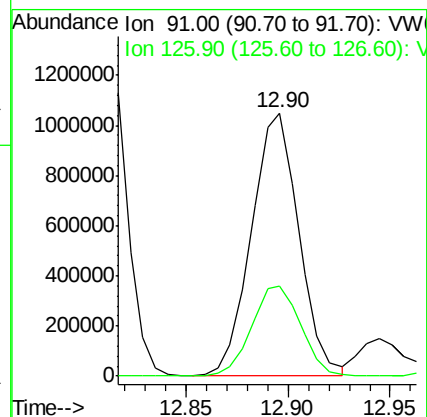
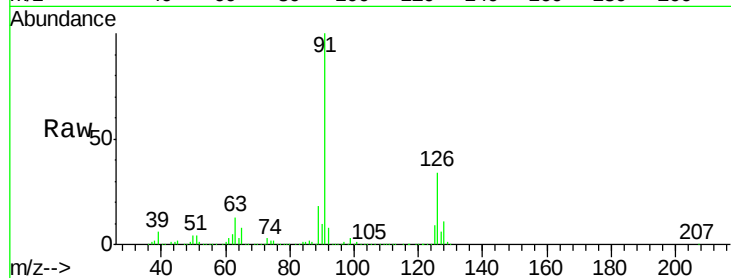
126 35.2 17.9 53.8

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



#80

1,3,5-Trimethylbenzene

Concen: 149.205 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016863.D

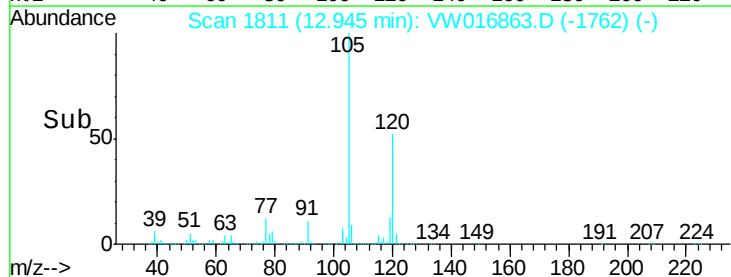
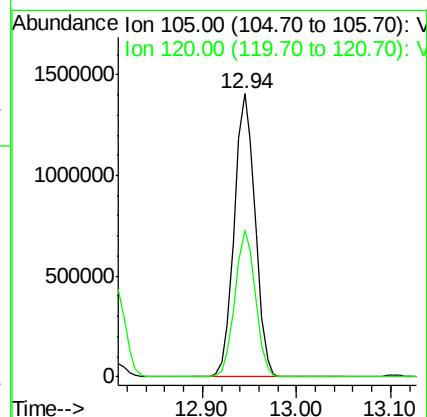
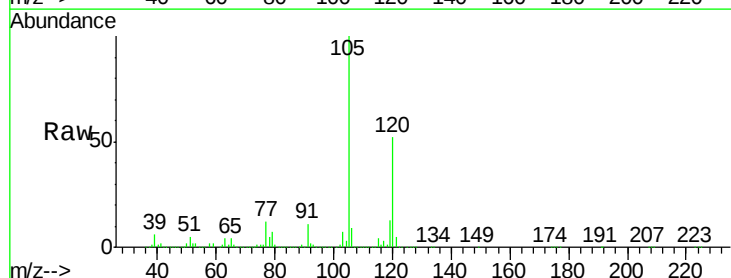
Acq: 09 Oct 2020 15:46

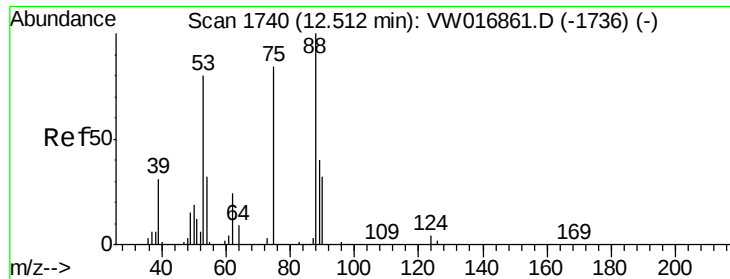
Tgt Ion:105 Resp: 2153324

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.8





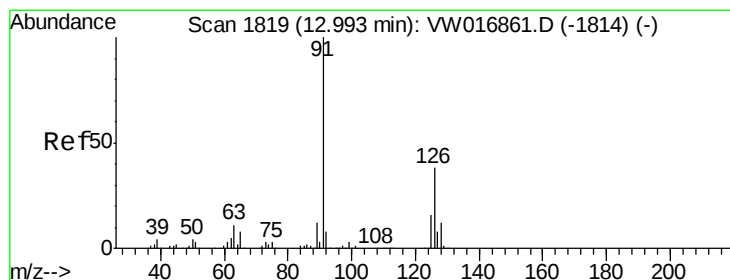
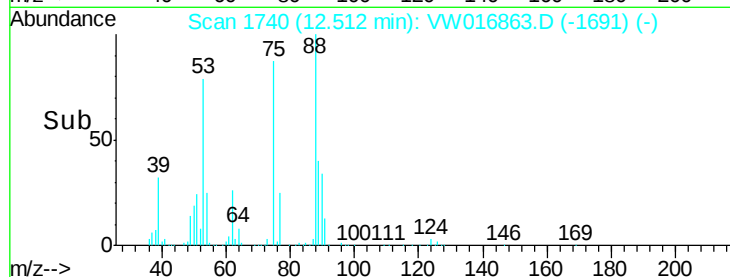
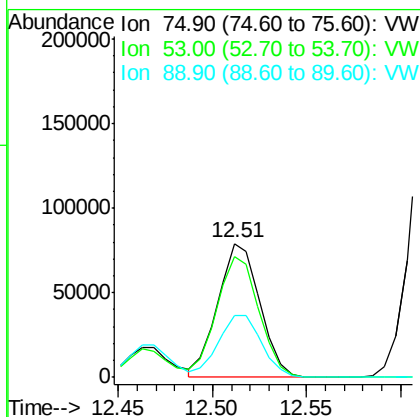
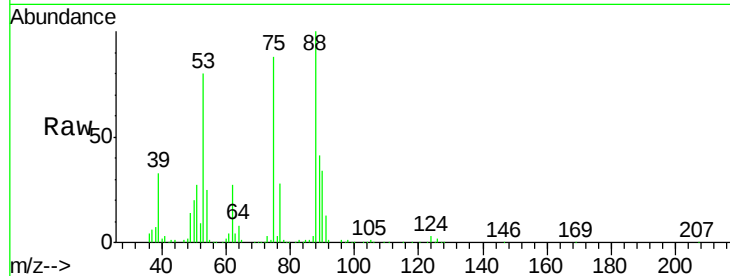
#81
trans-1,4-Dichloro-2-butene
Concen: 168.656 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	77.0	115.4
89	48.3	38.7	58.1

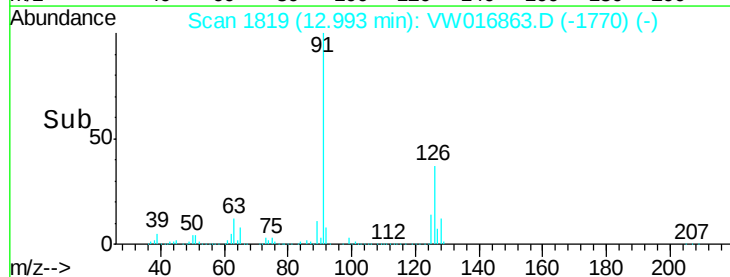
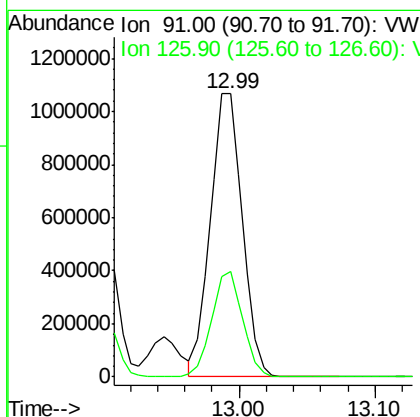
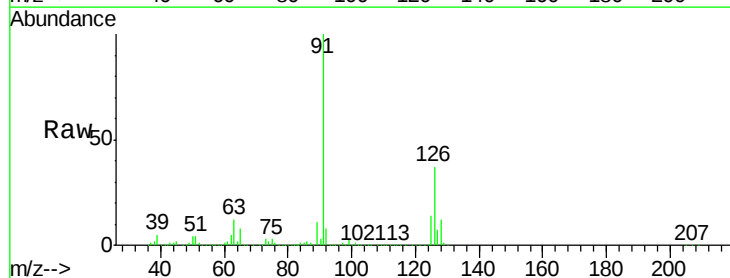
Manual Integrations
APPROVED

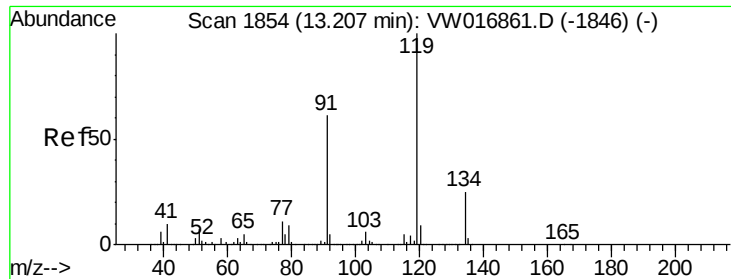
apatel
10/12/2020 1:58:49 PM



#82
4-Chlorotoluene
Concen: 147.933 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.3





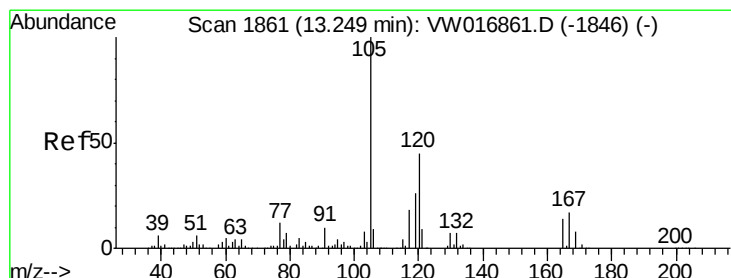
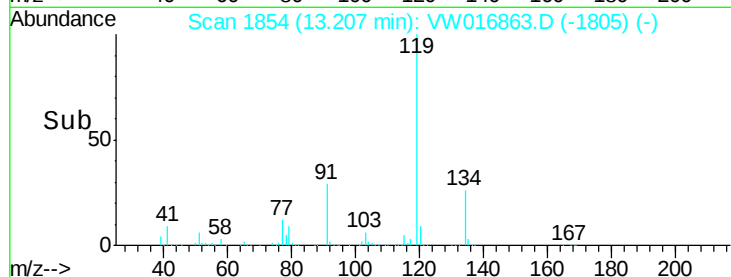
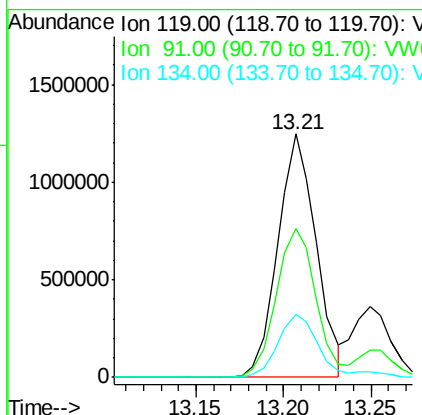
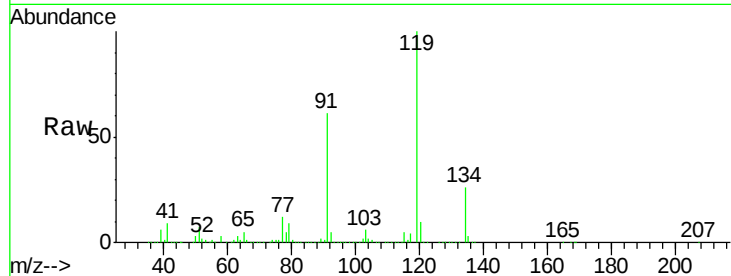
#83
tert-Butylbenzene
Concen: 152.076 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1906196
Ion Ratio Lower Upper
119 100
91 63.8 31.3 93.9
134 28.3 14.0 42.0

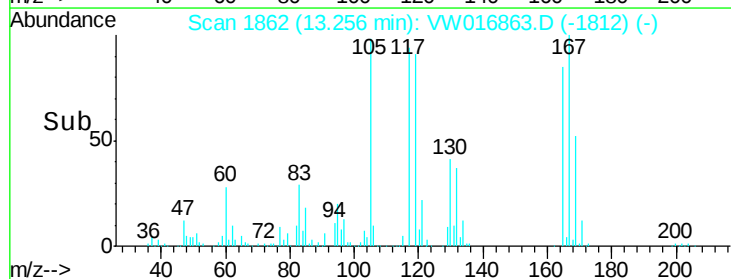
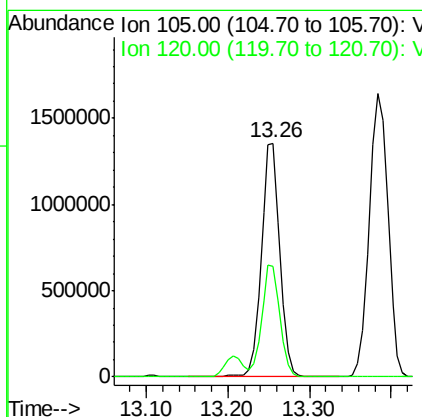
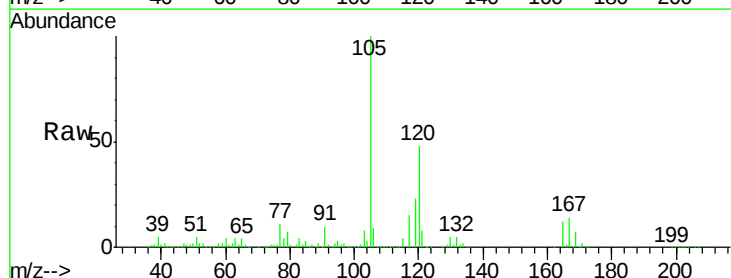
Manual Integrations
APPROVED

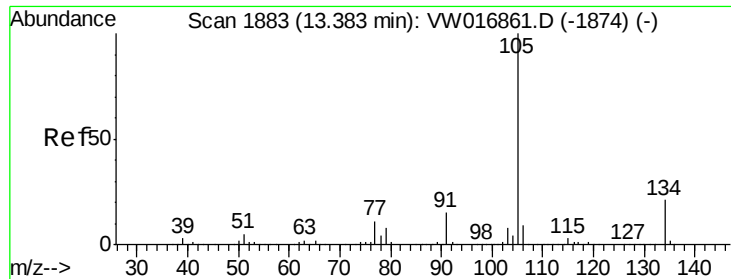
apatel
10/12/2020 1:58:49 PM



#84
1,2,4-Trimethylbenzene
Concen: 148.927 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:105 Resp: 2141643
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0





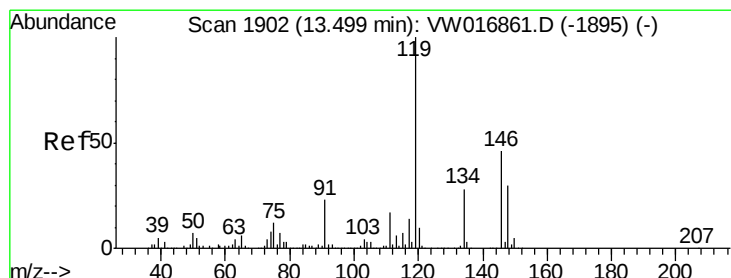
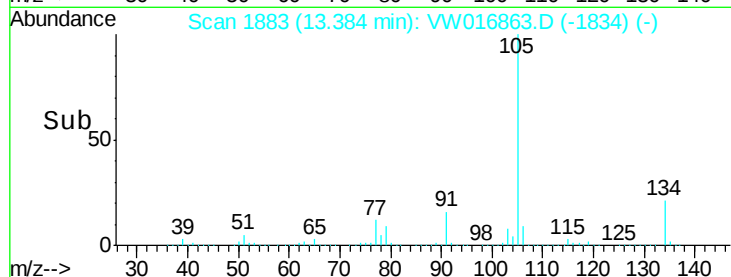
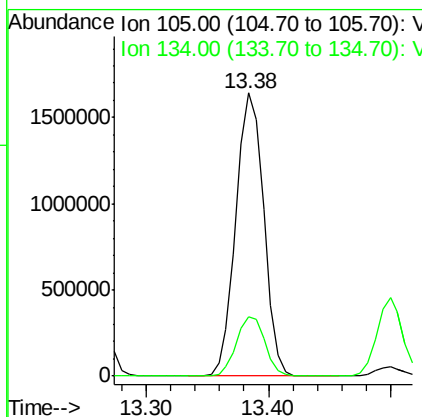
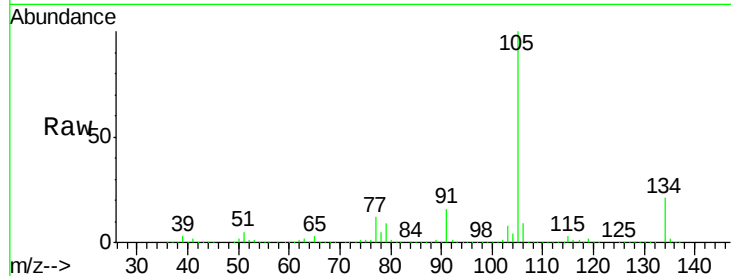
#85
 sec-Butylbenzene
 Concen: 148.475 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2590488
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.6 31.8

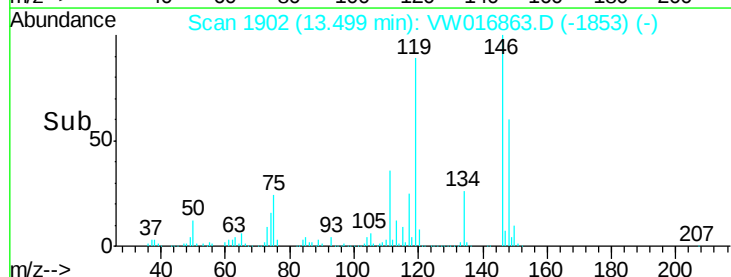
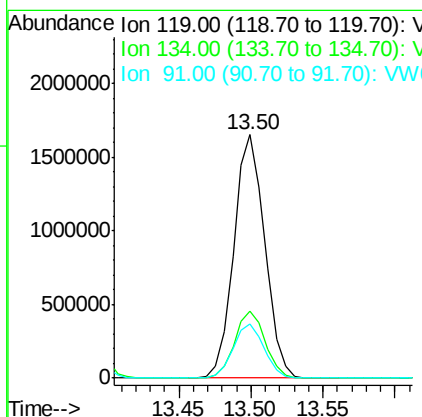
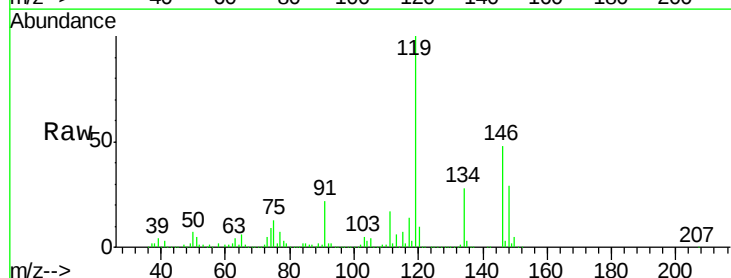
Manual Integrations
 APPROVED

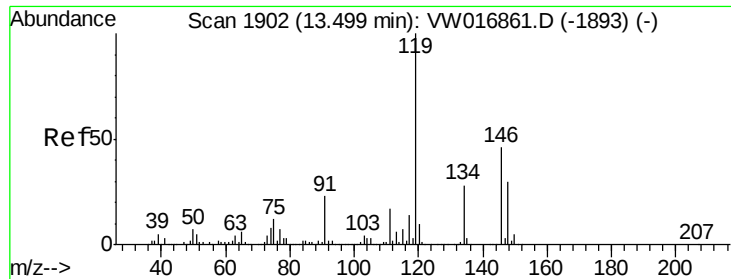
apatel
 10/12/2020 1:58:49 PM



#86
 p-Isopropyltoluene
 Concen: 151.779 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion:119 Resp: 2465870
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.8 41.3
 91 22.3 11.3 33.9





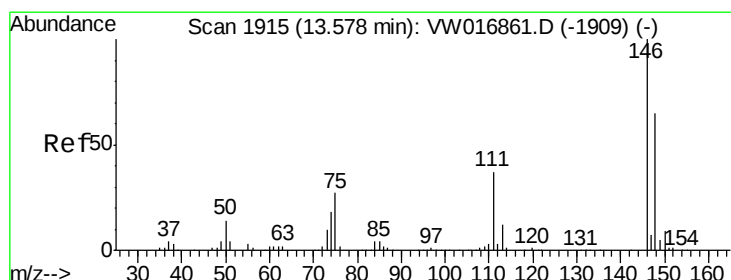
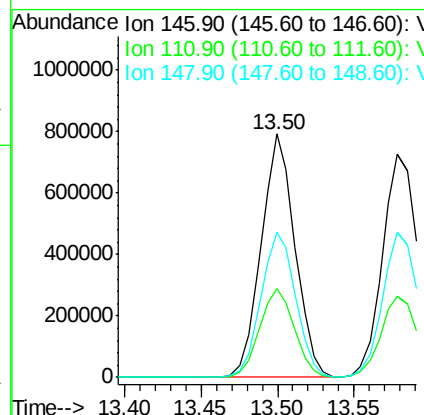
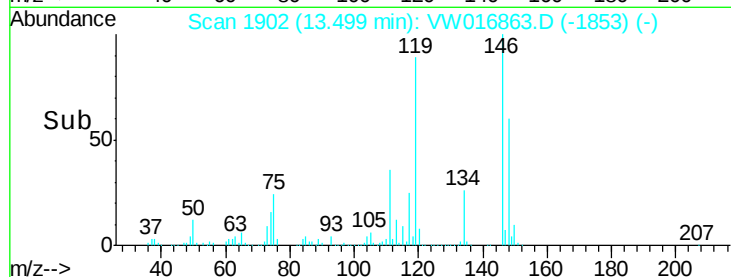
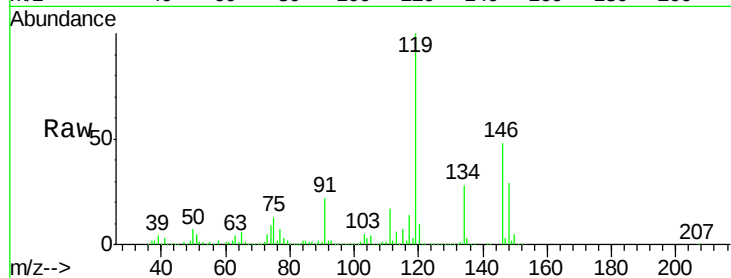
#87
 1,3-Dichlorobenzene
 Concen: 148.216 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1220110
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 61.2 32.5 97.4

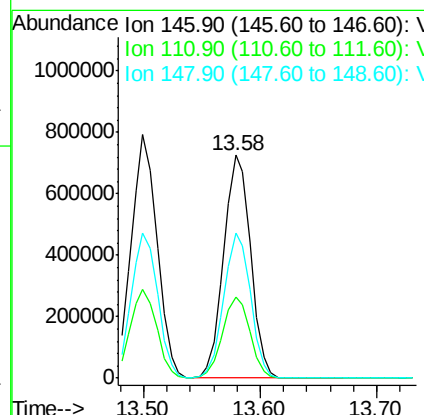
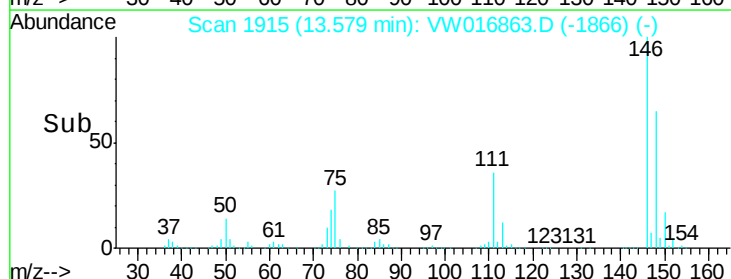
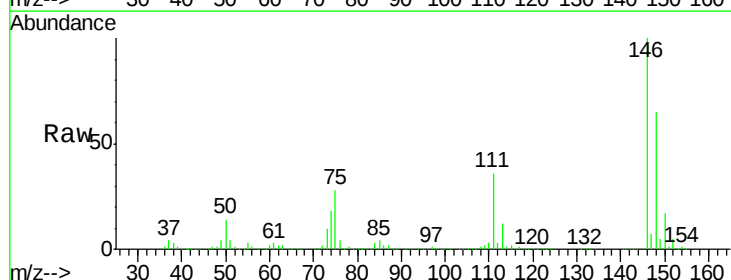
Manual Integrations
 APPROVED

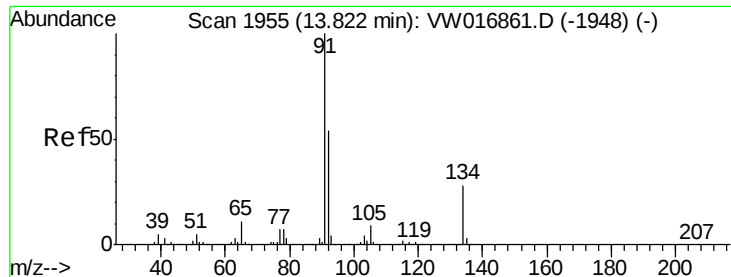
apatel
 10/12/2020 1:58:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 142.867 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion:146 Resp: 1158957
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 64.6 31.8 95.4





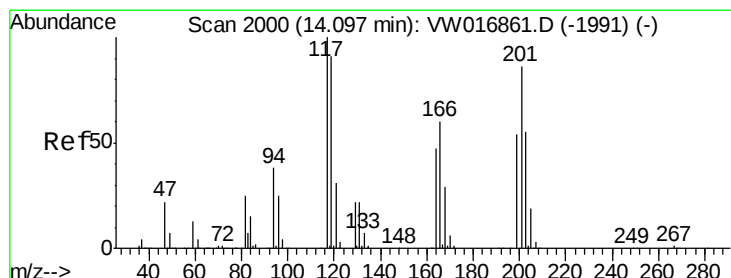
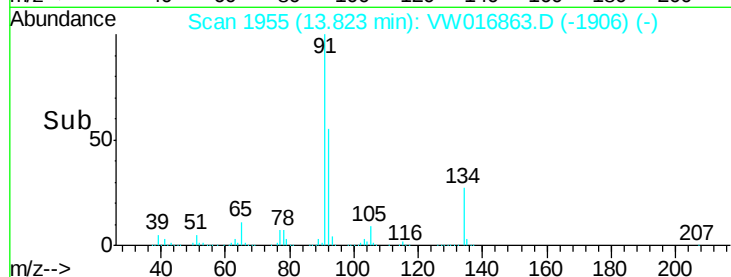
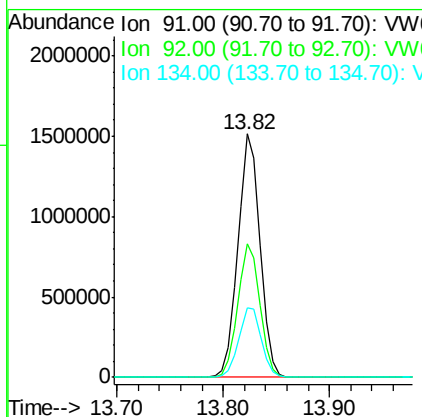
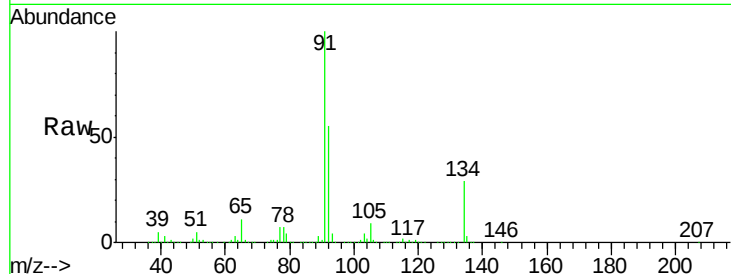
#89
n-Butylbenzene
Concen: 150.672 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2205246
Ion Ratio Lower Upper
91 100
92 55.0 26.6 79.7
134 29.2 14.3 42.9

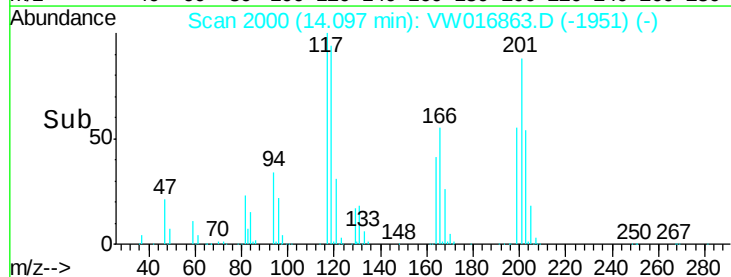
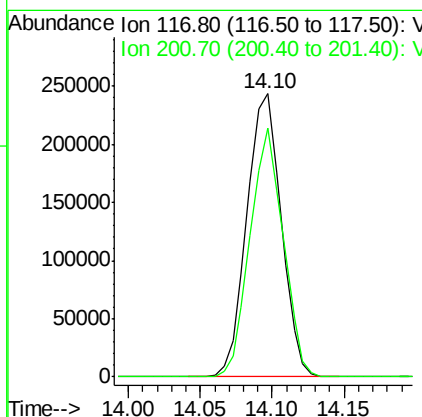
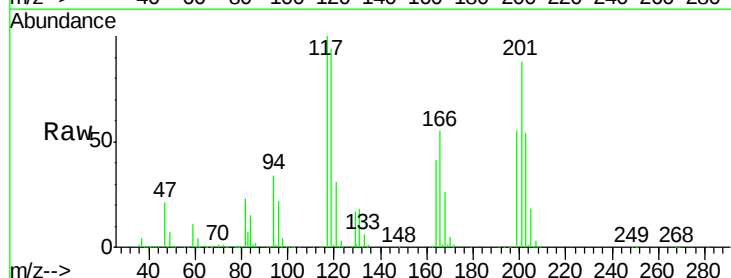
Manual Integrations
APPROVED

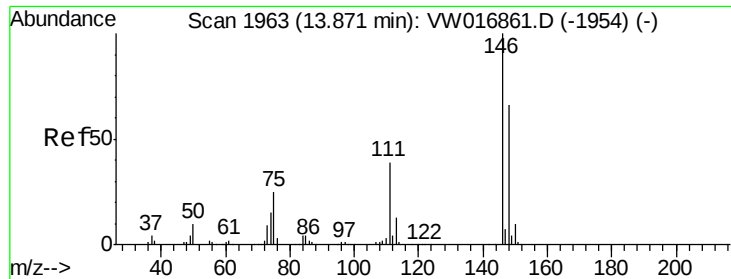
apatel
10/12/2020 1:58:49 PM



#90
Hexachloroethane
Concen: 160.458 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 117 Resp: 402247
Ion Ratio Lower Upper
117 100
201 84.4 41.9 125.7





#91

1,2-Dichlorobenzene

Concen: 147.325 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1046391

Ion Ratio Lower Upper

146 100

111 39.2 20.1 60.3

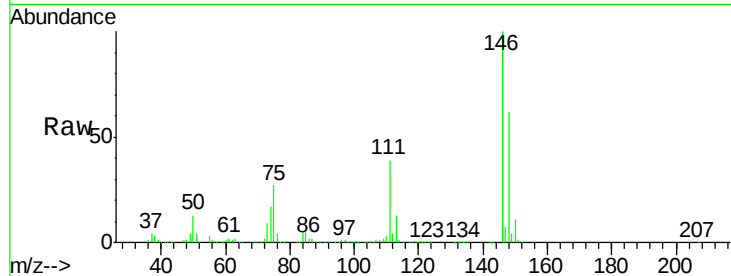
148 63.6 33.1 99.3

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:49 PM



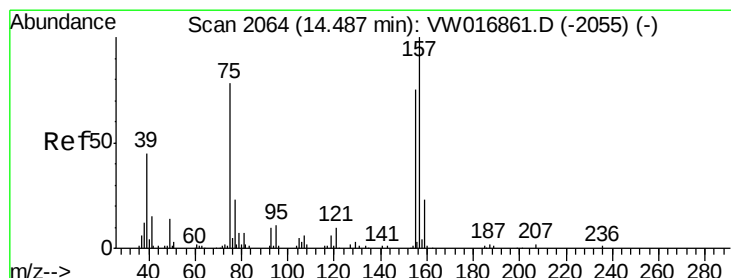
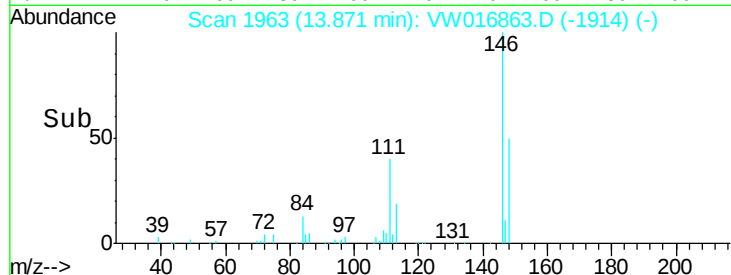
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.87

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 149.177 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

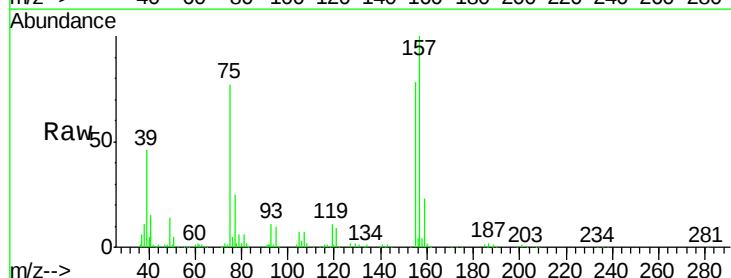
Tgt Ion: 75 Resp: 61727

Ion Ratio Lower Upper

75 100

155 101.0 47.6 142.8

157 131.0 62.2 186.6



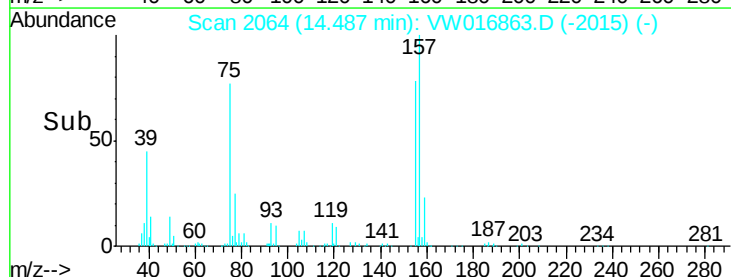
Abundance Ion 74.90 (74.60 to 75.60): VW

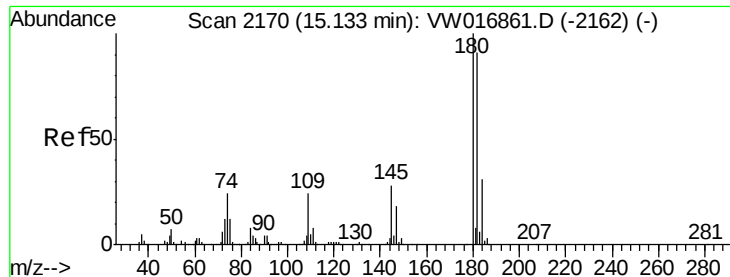
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.49

Time-->





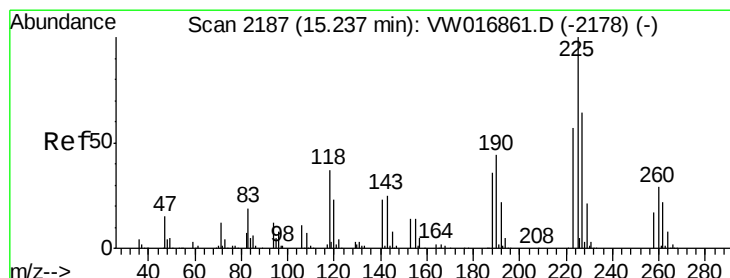
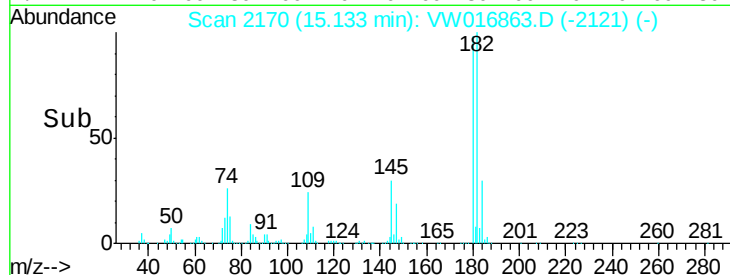
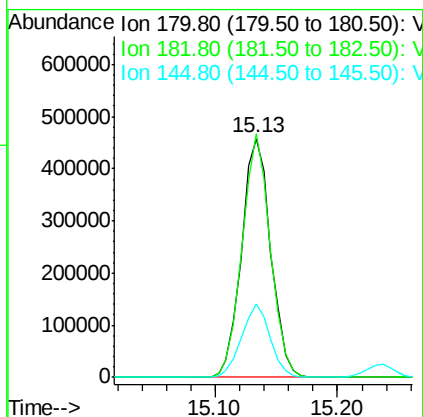
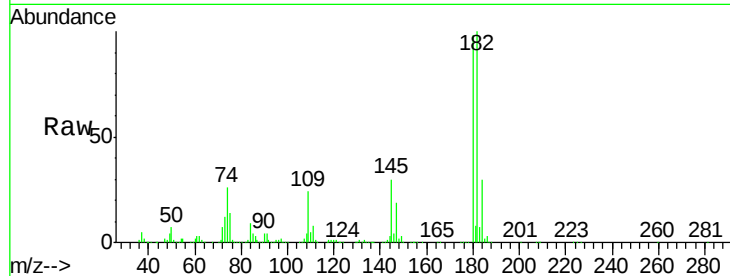
#93
 1,2,4-Trichlorobenzene
 Concen: 154.377 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.2	48.3	144.9	
145	30.0	14.9	44.5	

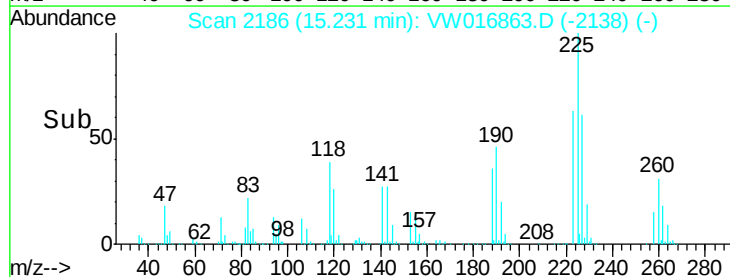
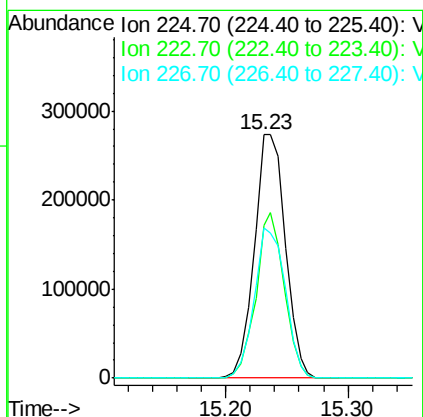
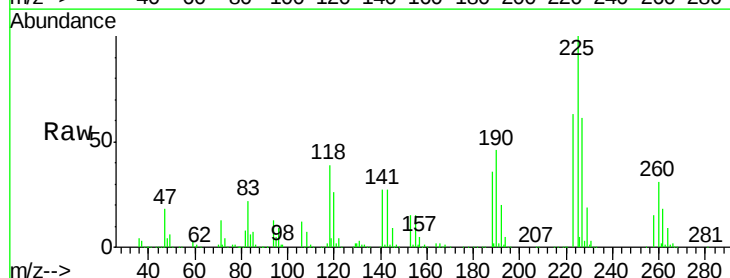
Manual Integrations
 APPROVED

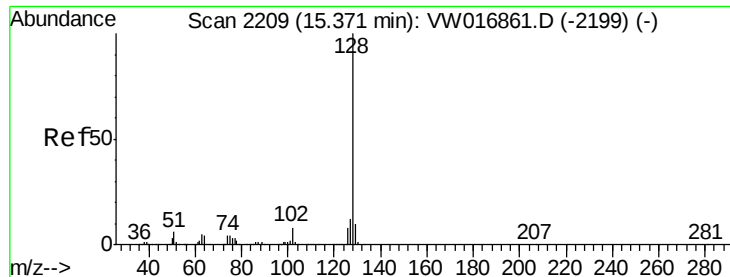
apatel
 10/12/2020 1:58:49 PM



#94
 Hexachlorobutadiene
 Concen: 152.405 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.9	95.7	
227	61.7	33.0	99.0	





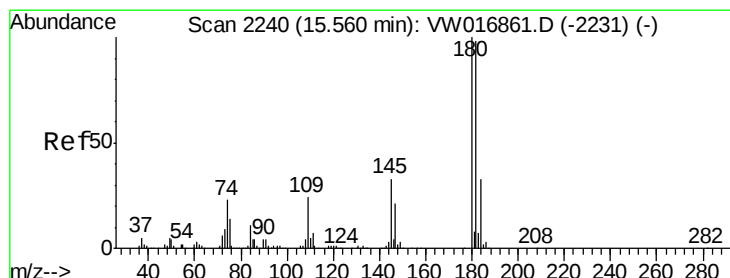
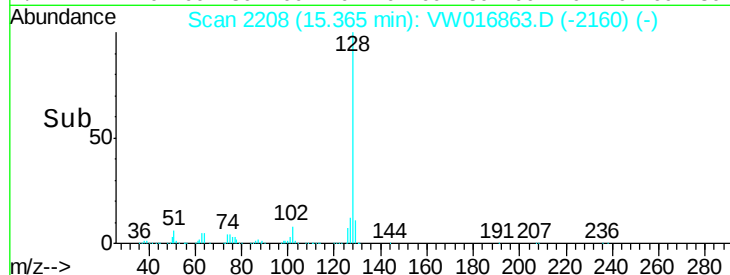
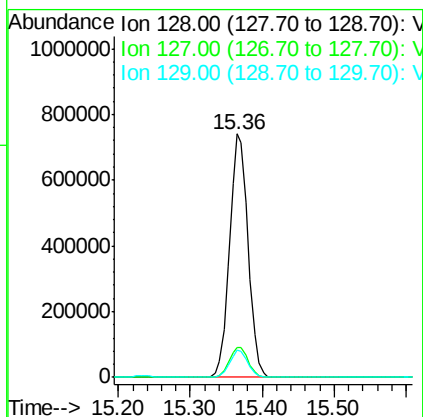
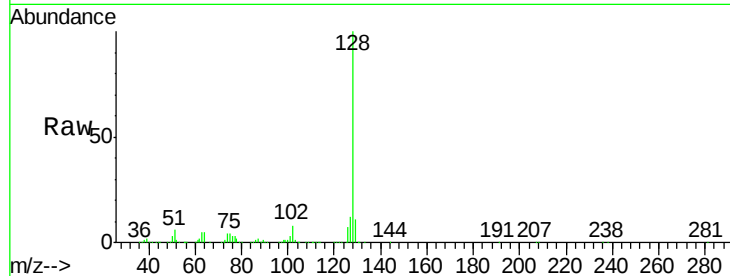
#95
Naphthalene
Concen: 165.815 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 156.380 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	49.4	148.2
145	31.8	16.3	48.9

