

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016860.D
 Acq On : 09 Oct 2020 14:36
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 10/12/2020 1:58:45 PM

Quant Time: Oct 10 05:07:16 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	389219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	556063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	503089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	258572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	61216	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
35) Dibromofluoromethane	7.88	113	67525	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
50) Toluene-d8	10.32	98	256431	20.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.14%	
62) 4-Bromofluorobenzene	12.62	95	87484	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	49572	23.350	ug/l	99
3) Chloromethane	2.21	50	47734	20.507	ug/l	96
4) Vinyl Chloride	2.37	62	72190	21.446	ug/l	96
5) Bromomethane	2.79	94	52762	20.410	ug/l	94
6) Chloroethane	2.93	64	44656	20.847	ug/l	94
7) Trichlorofluoromethane	3.26	101	49230	20.089	ug/l	99
8) Diethyl Ether	3.68	74	30327	19.813	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	67959	20.595	ug/l	99
10) Methyl Iodide	4.28	142	106358	20.161	ug/l	98
11) Tert butyl alcohol	5.21	59	14572	87.180	ug/l #	95
12) 1,1-Dichloroethene	4.04	96	65998	20.263	ug/l	92
13) Acrolein	3.90	56	20587	98.422	ug/l	98
14) Allyl chloride	4.67	41	78005	20.007	ug/l	99
15) Acrylonitrile	5.38	53	49466	97.087	ug/l	100
16) Acetone	4.15	43	46934	91.533	ug/l	100
17) Carbon Disulfide	4.39	76	176109	20.322	ug/l	99
18) Methyl Acetate	4.68	43	22207	18.883	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	71311	20.314	ug/l	97
20) Methylene Chloride	4.92	84	76739	18.886	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	73010	19.967	ug/l	97
22) Diisopropyl ether	6.32	45	145132	20.481	ug/l	99
23) Vinyl Acetate	6.26	43	443597	97.697	ug/l	99
24) 1,1-Dichloroethane	6.22	63	113285	20.161	ug/l	99
25) 2-Butanone	7.18	43	62920	92.044	ug/l	98
26) 2,2-Dichloropropane	7.17	77	68177	19.832	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	78828	20.128	ug/l	99
28) Bromochloromethane	7.52	49	44394	19.741	ug/l	98
29) Tetrahydrofuran	7.54	42	36368	94.982	ug/l	99
30) Chloroform	7.68	83	124058	20.309	ug/l	98
31) Cyclohexane	7.96	56	96253	20.083	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	103800	20.146	ug/l	98
36) 1,1-Dichloropropene	8.09	75	99188	20.629	ug/l	98
37) Ethyl Acetate	7.26	43	30741	19.573	ug/l	100
38) Carbon Tetrachloride	8.07	117	100770	20.161	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016860.D
 Acq On : 09 Oct 2020 14:36
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 10/12/2020 1:58:45 PM

Quant Time: Oct 10 05:07:16 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	111596	20.357	ug/l	99
40) Benzene	8.33	78	273078	20.388	ug/l	98
41) Methacrylonitrile	7.49	41	18076	26.823	ug/l	94
42) 1,2-Dichloroethane	8.40	62	74980	20.465	ug/l	99
43) Isopropyl Acetate	8.43	43	58577	19.469	ug/l	99
44) Trichloroethene	9.09	130	84355	20.348	ug/l	97
45) 1,2-Dichloropropane	9.37	63	62811	20.564	ug/l	98
46) Dibromomethane	9.46	93	34674	19.847	ug/l	98
47) Bromodichloromethane	9.65	83	86668	19.951	ug/l	96
48) Methyl methacrylate	9.44	41	26982	19.461	ug/l	97
49) 1,4-Dioxane	9.48	88	7870	391.625	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	146400	96.183	ug/l	99
52) Toluene	10.39	92	179804	20.307	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	78206	19.776	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	96208	19.917	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	50594	20.345	ug/l	99
56) Ethyl methacrylate	10.65	69	52526	19.416	ug/l	97
57) 1,3-Dichloropropane	10.93	76	82713	20.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	145355	96.961	ug/l	100
59) 2-Hexanone	10.97	43	96791	96.110	ug/l	99
60) Dibromochloromethane	11.13	129	59924	19.646	ug/l	100
61) 1,2-Dibromoethane	11.24	107	49388	20.054	ug/l	99
64) Tetrachloroethene	10.87	164	71906	20.061	ug/l	94
65) Chlorobenzene	11.66	112	195689	19.831	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	70150	20.102	ug/l	99
67) Ethyl Benzene	11.73	91	351882	20.464	ug/l	99
68) m/p-Xylenes	11.84	106	272919	40.809	ug/l	98
69) o-Xylene	12.17	106	123564	20.134	ug/l	100
70) Styrene	12.18	104	210122	20.572	ug/l	99
71) Bromoform	12.35	173	33899	19.349	ug/l #	95
73) Isopropylbenzene	12.47	105	345462	20.101	ug/l	100
74) N-amyl acetate	12.27	43	52715	19.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	53106	19.694	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	36421m	21.834	ug/l	
77) Bromobenzene	12.75	156	85859	20.210	ug/l	98
78) n-propylbenzene	12.80	91	405359	20.452	ug/l	100
79) 2-Chlorotoluene	12.90	91	230076	20.349	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	294175	20.424	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12606	17.562	ug/l	93
82) 4-Chlorotoluene	12.99	91	234603	20.100	ug/l	99
83) tert-Butylbenzene	13.21	119	256004	20.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	297495	20.729	ug/l	98
85) sec-Butylbenzene	13.38	105	351285	20.174	ug/l	100
86) p-Isopropyltoluene	13.50	119	332136	20.485	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	166332	20.246	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	166340	20.546	ug/l	99
89) n-Butylbenzene	13.82	91	293059	20.063	ug/l	98
90) Hexachloroethane	14.10	117	48725	19.476	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	143337	20.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7407	17.937	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101020\
Data File : VW016860.D
Acq On : 09 Oct 2020 14:36
Operator : SY/VA
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

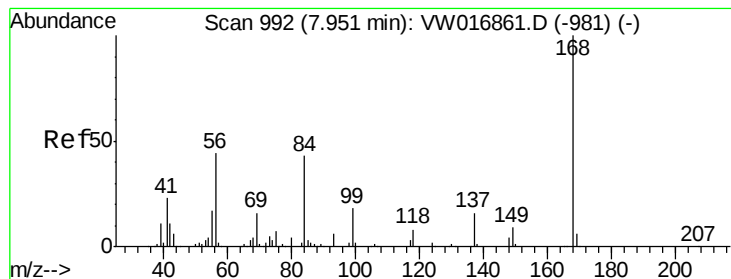
Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM

Quant Time: Oct 10 05:07:16 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	15.14	180	96604	19.752	ug/l	98
94) Hexachlorobutadiene	15.23	225	64513	20.348	ug/l	98
95) Naphthalene	15.36	128	149274	18.779	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	83025	19.513	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: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 389219

Ion Ratio Lower Upper

168 100

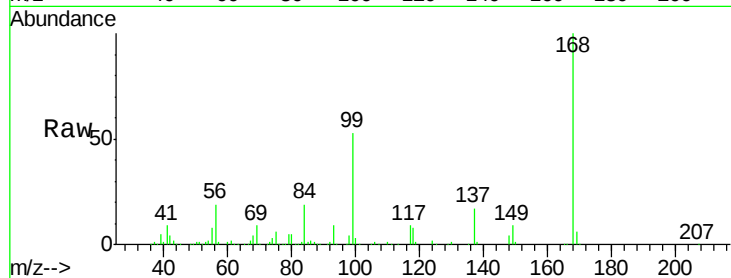
99 52.5 40.7 61.1

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

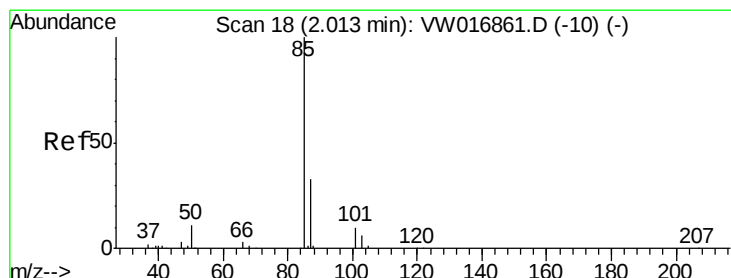
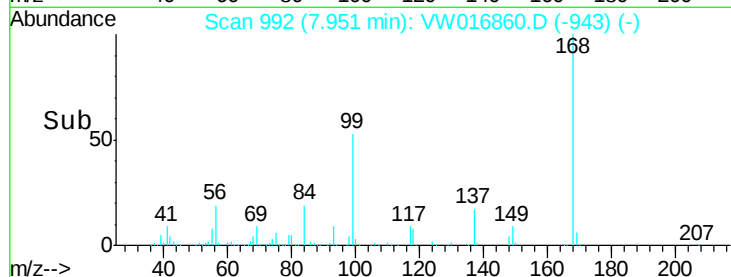
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.350 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016860.D

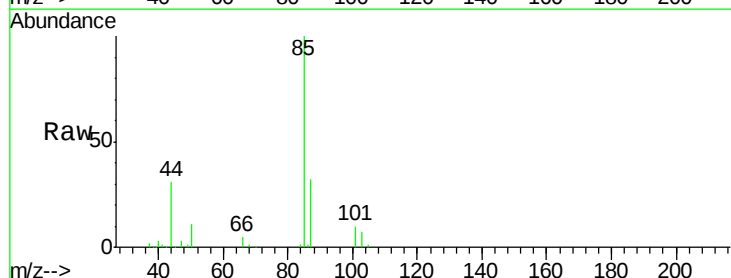
Acq: 09 Oct 2020 14:36

Tgt Ion: 85 Resp: 49572

Ion Ratio Lower Upper

85 100

87 32.1 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

20000

15000

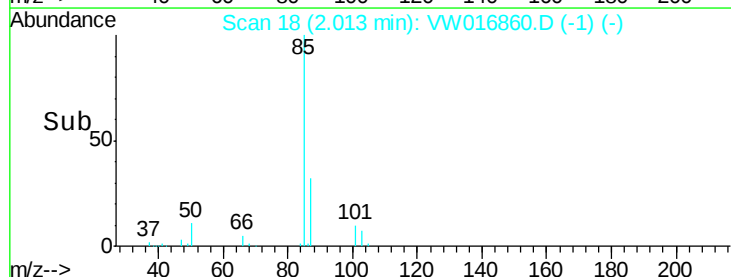
10000

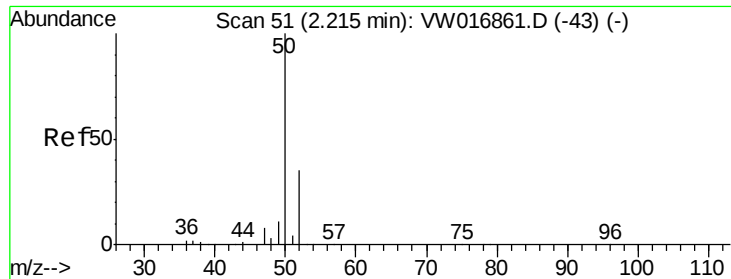
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.507 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 47734

Ion Ratio Lower Upper

50 100

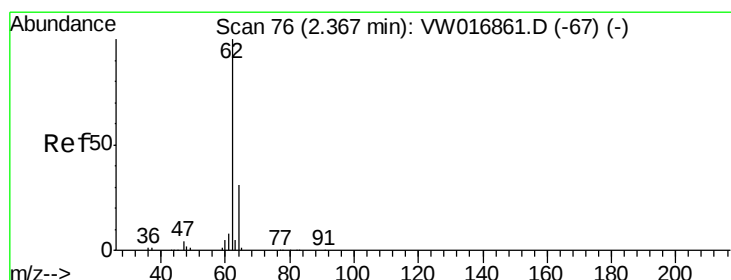
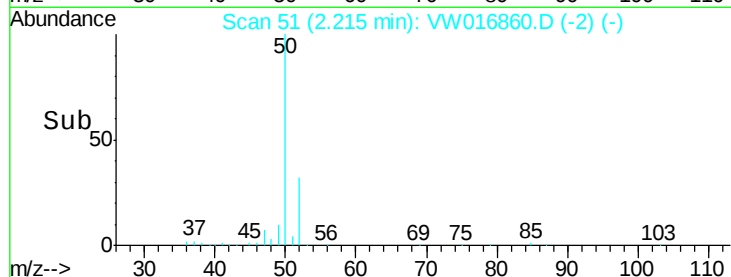
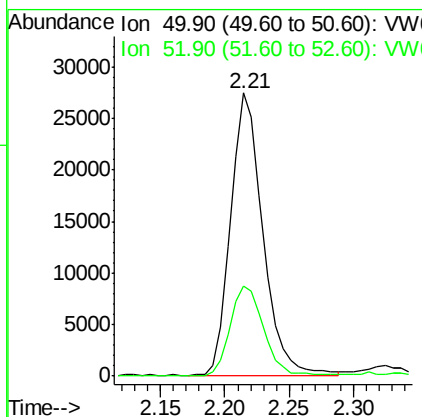
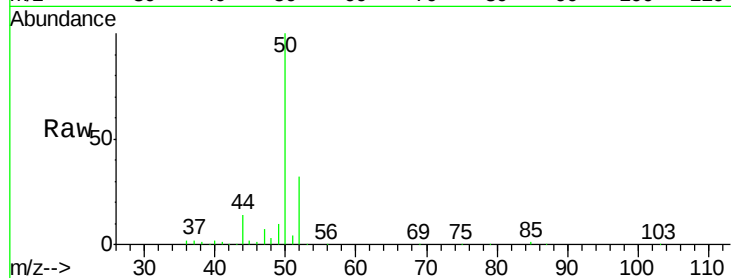
52 32.2 27.6 41.4

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



#4

Vinyl Chloride

Concen: 21.446 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016860.D

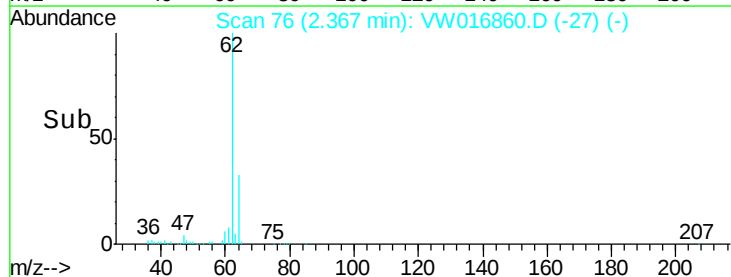
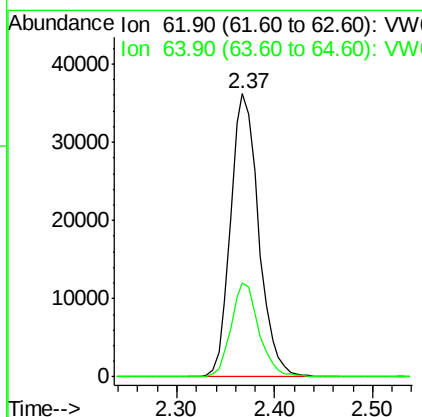
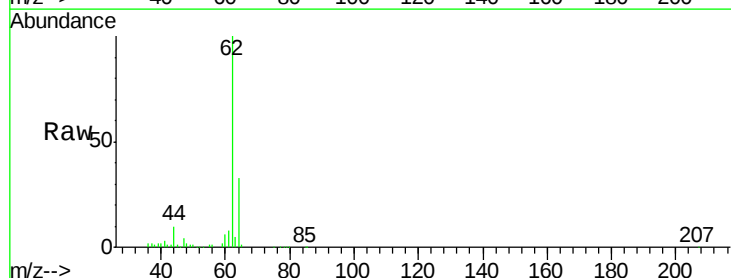
Acq: 09 Oct 2020 14:36

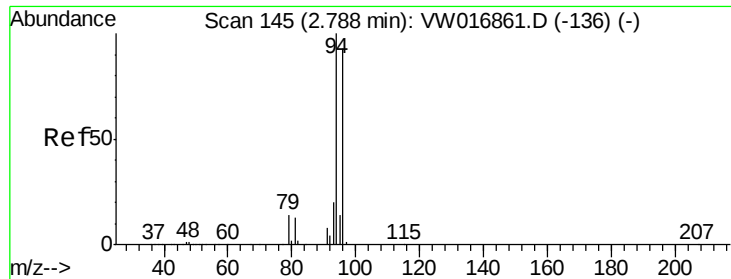
Tgt Ion: 62 Resp: 72190

Ion Ratio Lower Upper

62 100

64 33.4 25.0 37.4





#5

Bromomethane

Concen: 20.410 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 52762

Ion Ratio Lower Upper

94 100

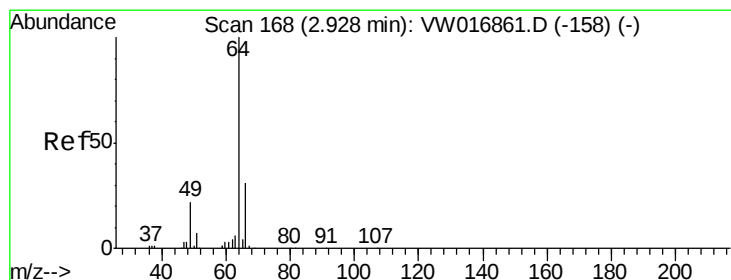
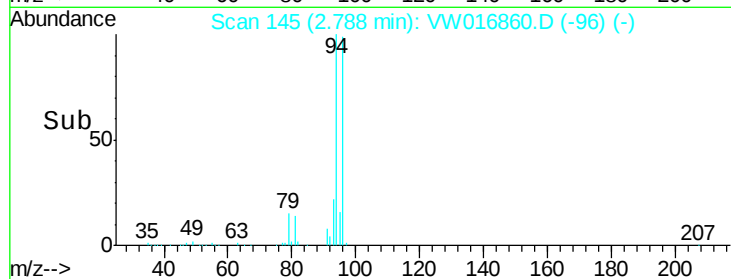
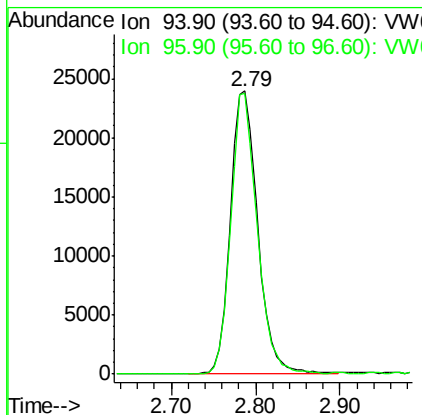
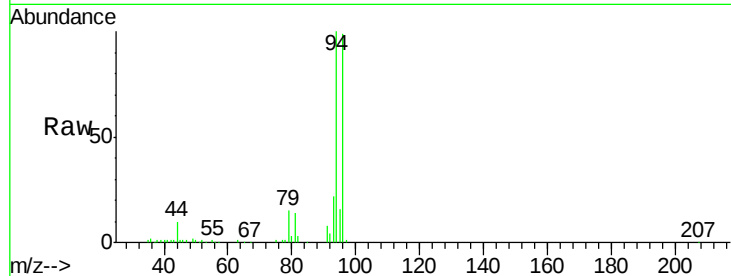
96 99.4 74.7 112.1

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



#6

Chloroethane

Concen: 20.847 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016860.D

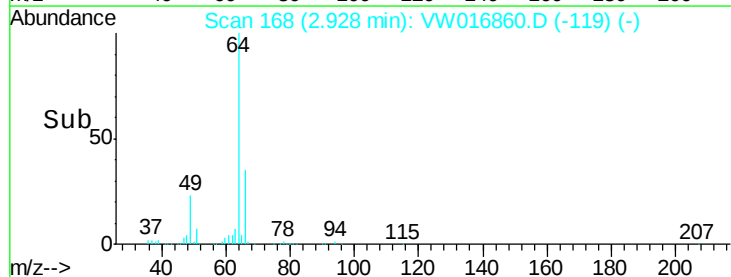
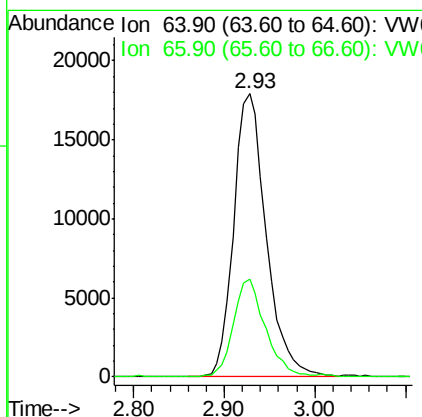
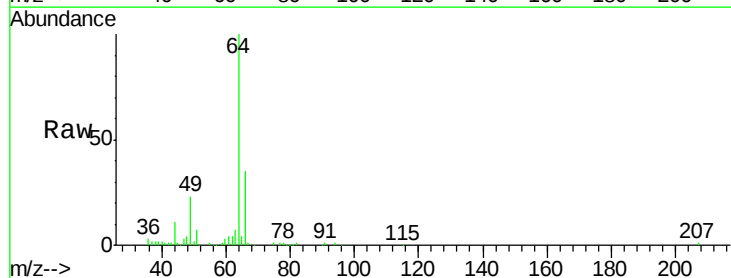
Acq: 09 Oct 2020 14:36

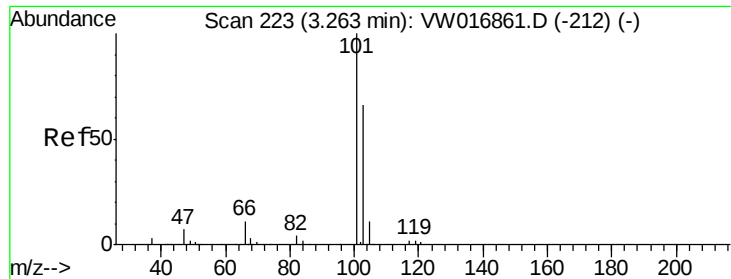
Tgt Ion: 64 Resp: 44656

Ion Ratio Lower Upper

64 100

66 34.6 25.0 37.6





#7

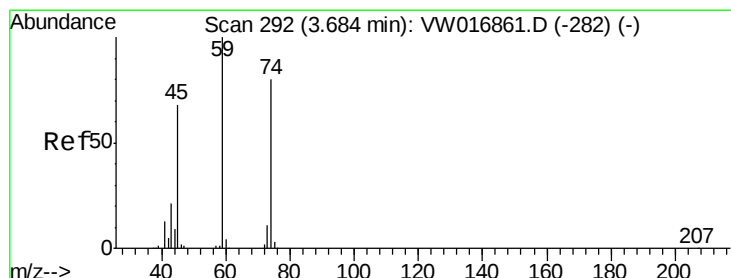
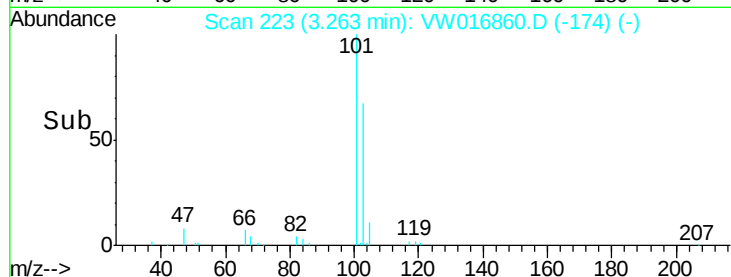
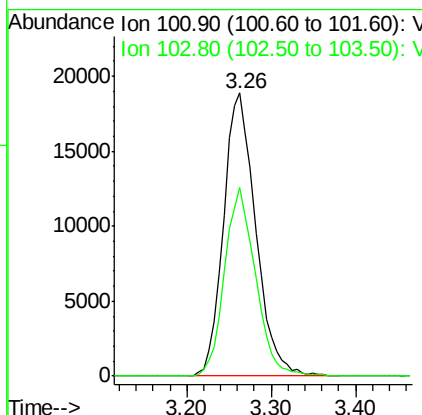
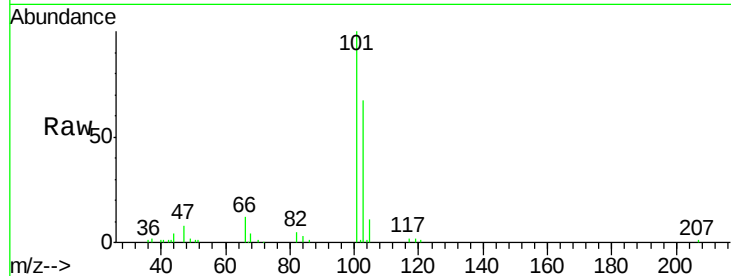
Trichlorofluoromethane
 Concen: 20.089 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	79.0

Manual Integrations
 APPROVED

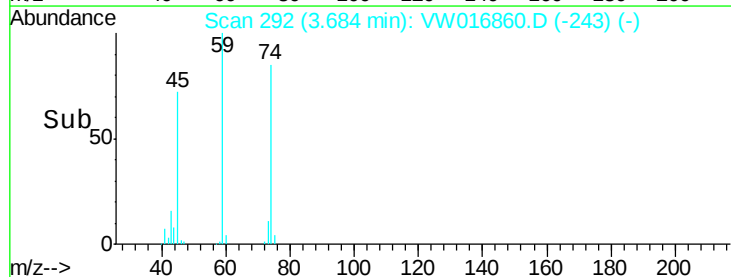
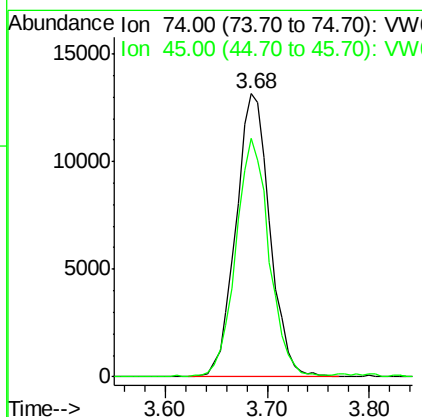
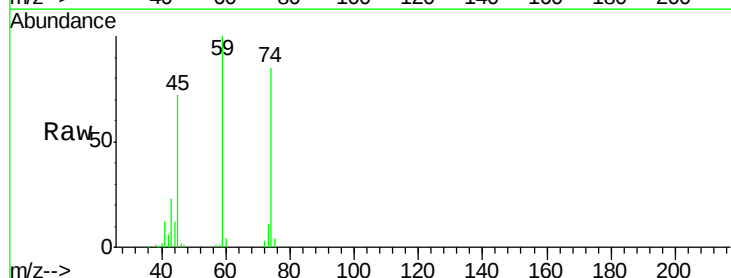
apatel
 10/12/2020 1:58:45 PM

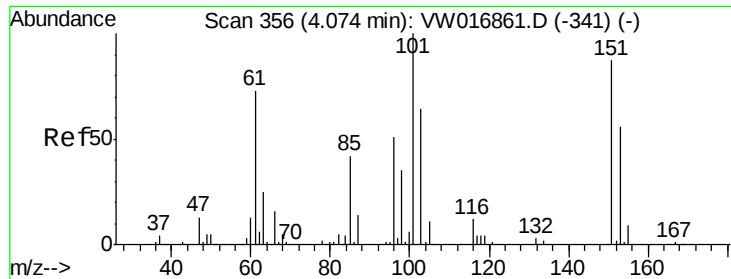


#8

Diethyl Ether
 Concen: 19.813 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.0	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.595 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

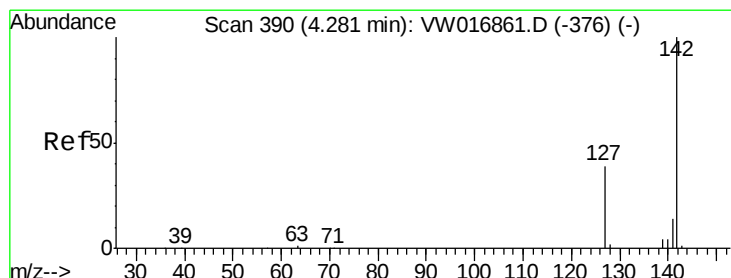
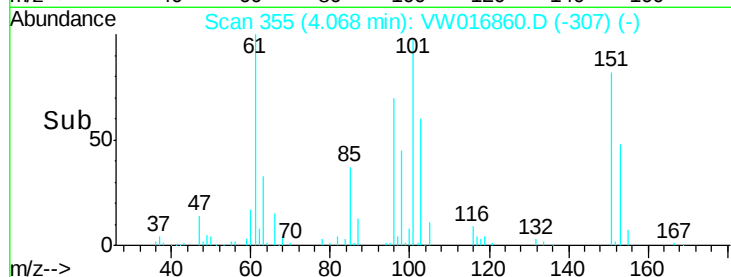
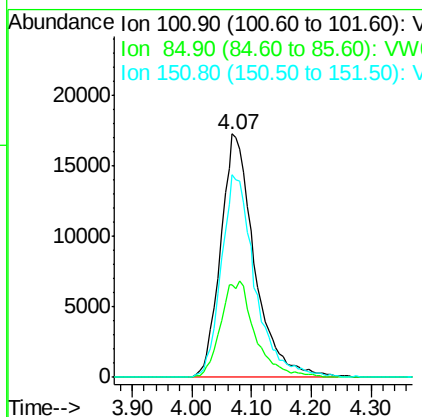
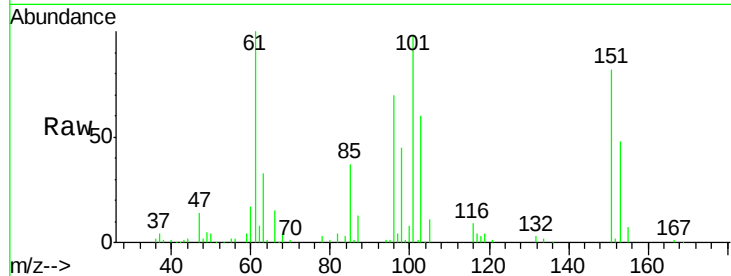
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	67959
Ion Ratio	Lower	Upper	
101	100		
85	40.3	33.2	49.8
151	83.2	66.6	100.0

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM



#10

Methyl Iodide

Concen: 20.161 ug/l

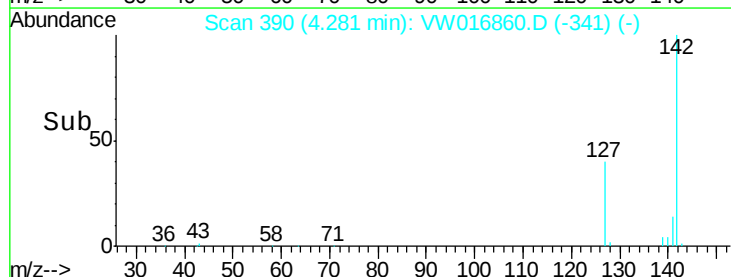
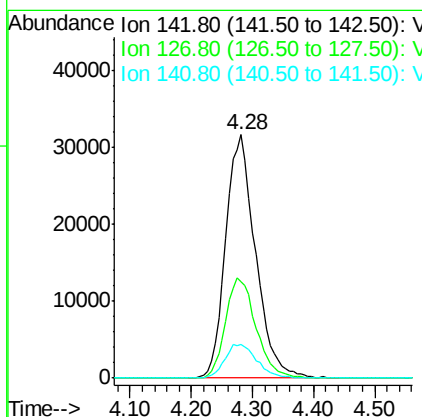
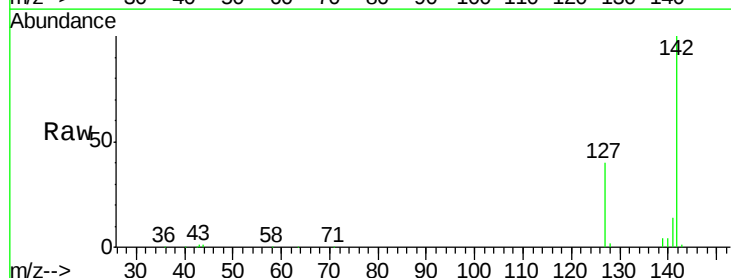
RT: 4.28 min Scan# 390

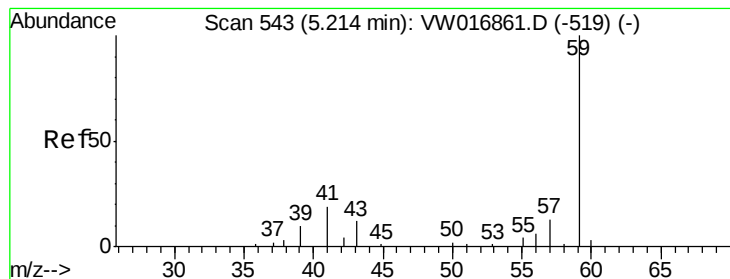
Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion:	142	Resp:	106358
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.4	48.6
141	14.7	11.4	17.0





#11

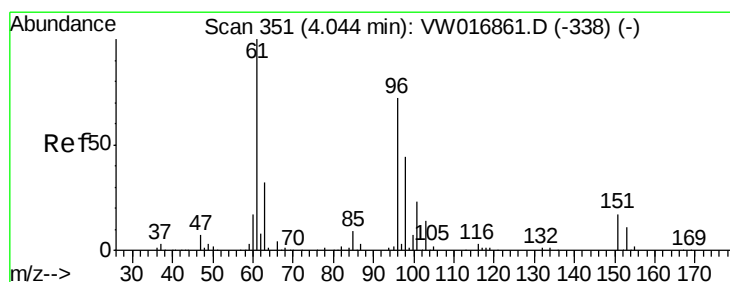
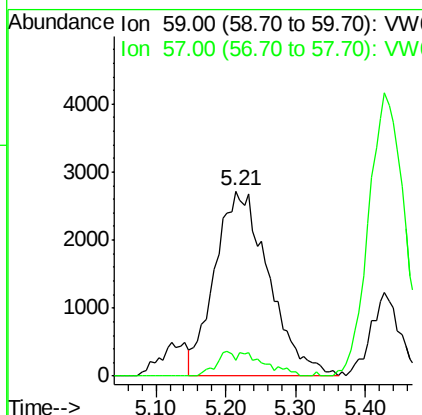
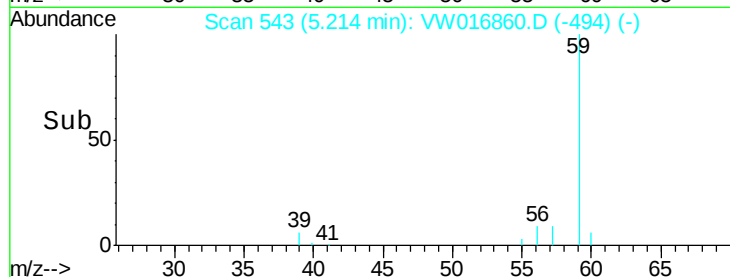
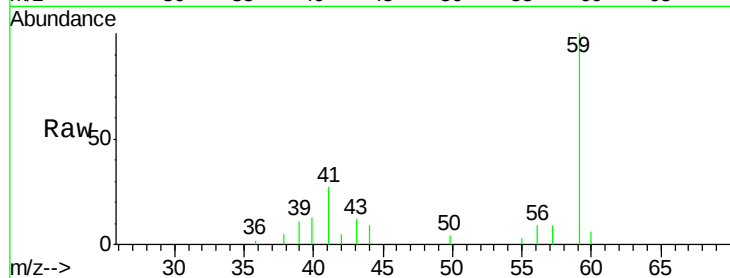
Tert butyl alcohol
 Concen: 87.180 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	14572
Ion Ratio	100	Lower	Upper
59	100		
57	4.2	4.7	7.1#

Manual Integrations
 APPROVED

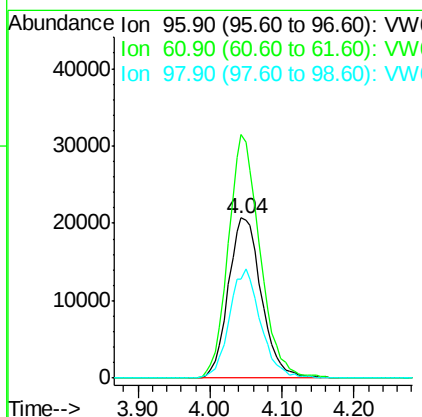
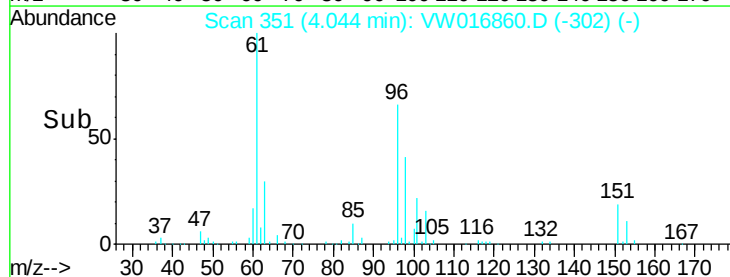
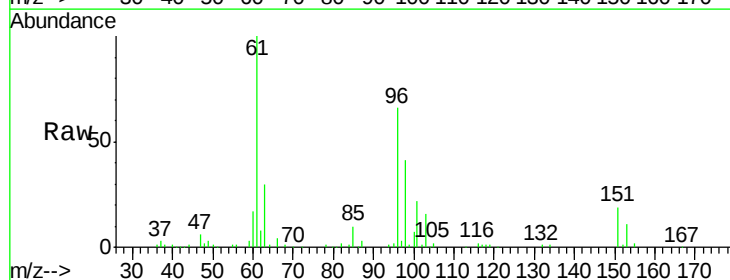
apatel
 10/12/2020 1:58:45 PM

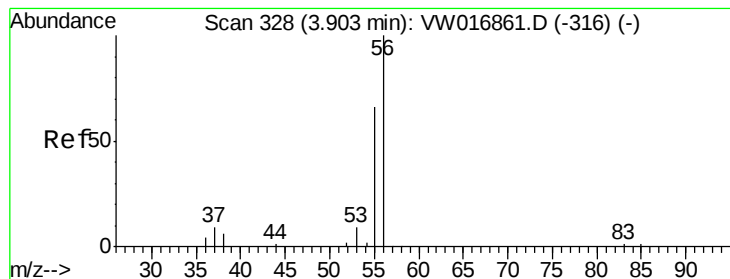


#12

1,1-Dichloroethene
 Concen: 20.263 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion	96	Resp	65998
Ion Ratio	100	Lower	Upper
96	100		
61	152.3	111.7	167.5
98	62.0	49.0	73.4





#13

Acrolein

Concen: 98.422 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 20587

Ion Ratio Lower Upper

56 100

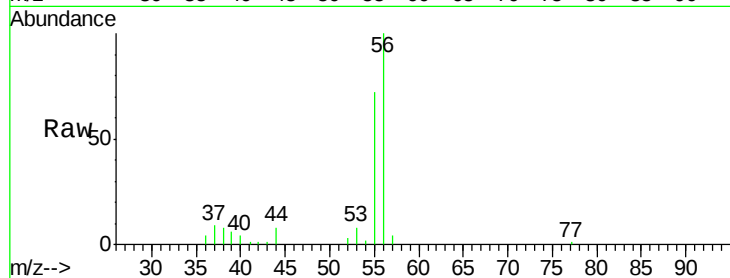
55 71.7 55.9 83.9

Manual Integrations

APPROVED

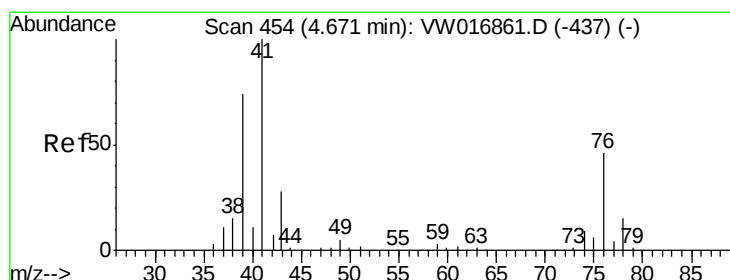
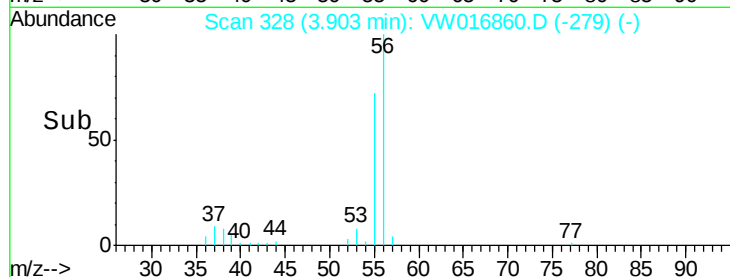
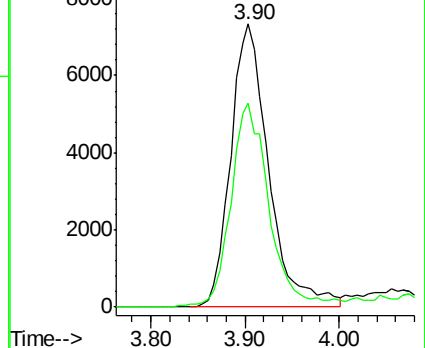
apatel

10/12/2020 1:58:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.007 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

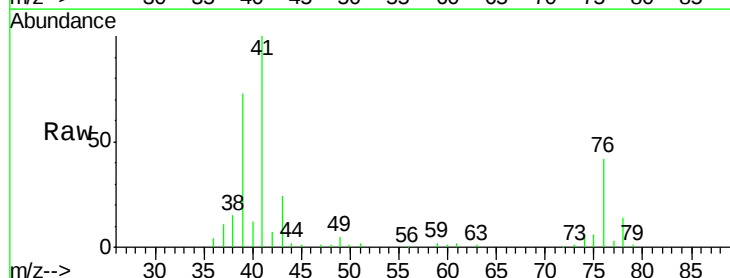
Tgt Ion: 41 Resp: 78005

Ion Ratio Lower Upper

41 100

39 73.1 57.8 86.8

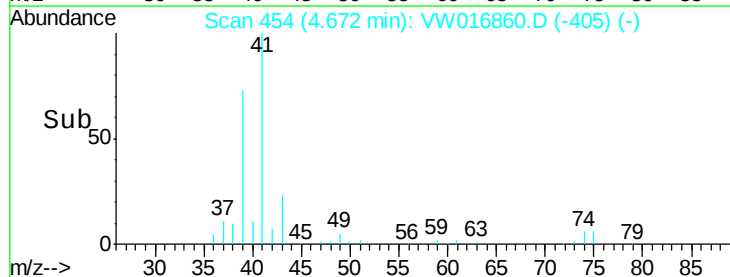
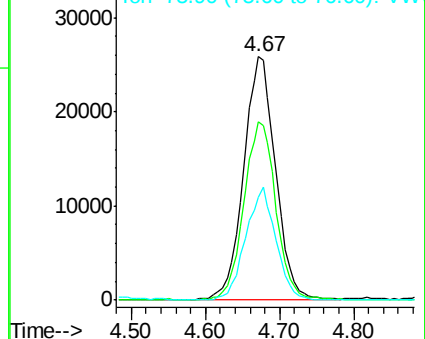
76 43.6 35.1 52.7

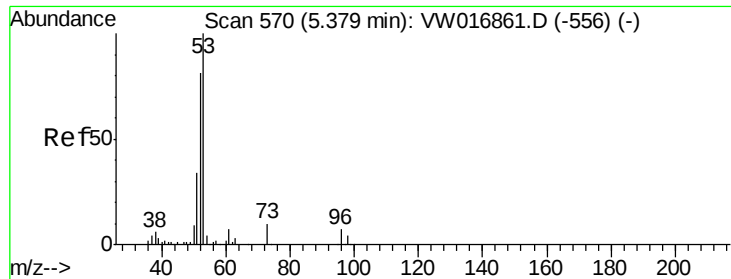


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 97.087 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

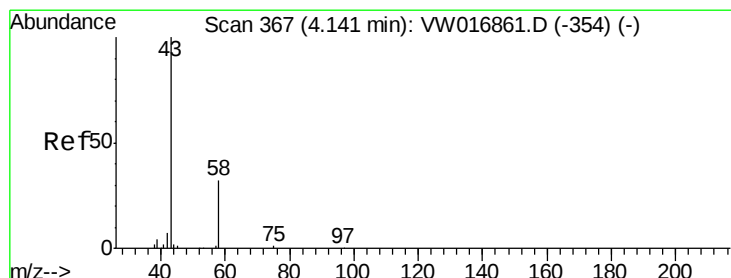
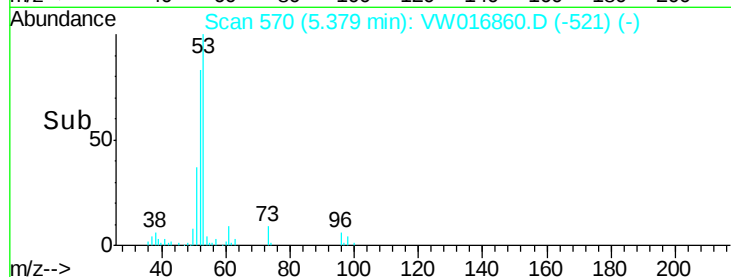
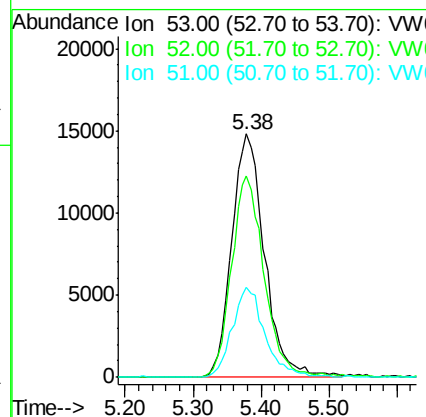
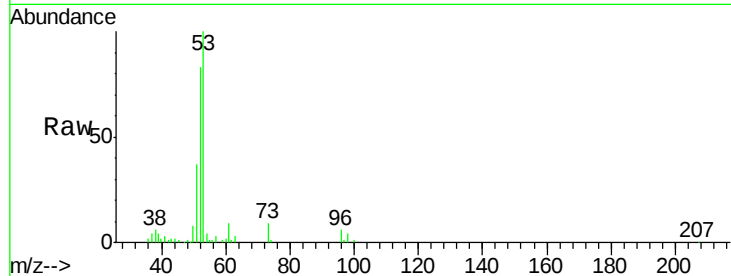
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	49466
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.0	97.4
51	36.6	29.1	43.7

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM



#16

Acetone

Concen: 91.533 ug/l

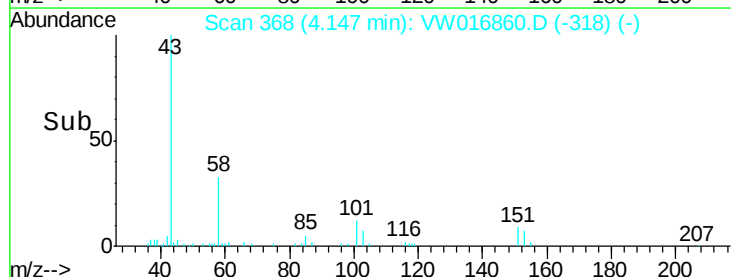
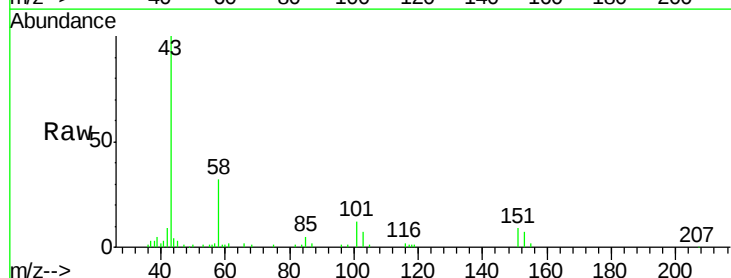
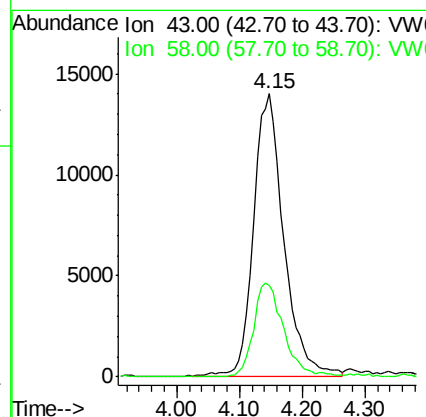
RT: 4.15 min Scan# 368

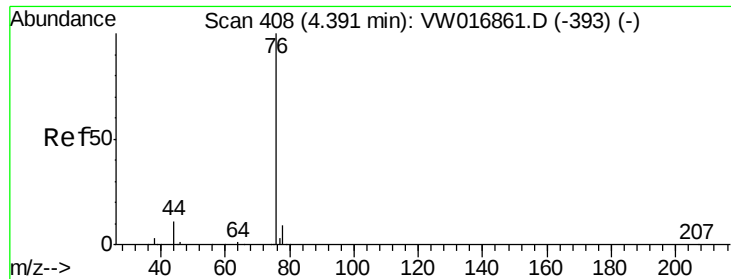
Delta R.T. 0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion:	43	Resp:	46934
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.7	38.5





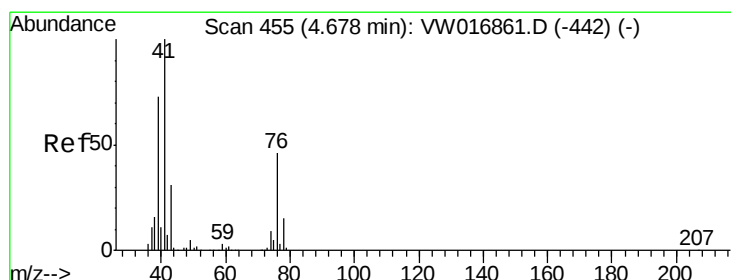
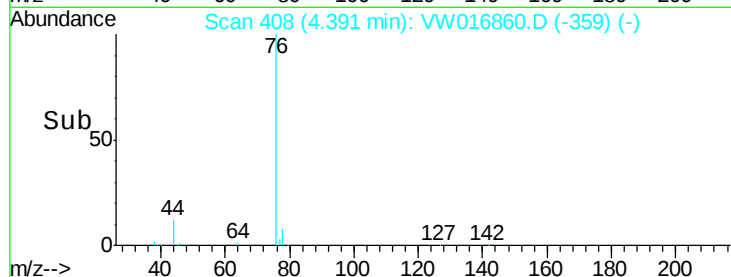
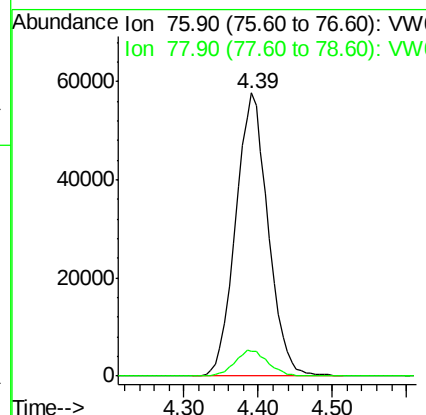
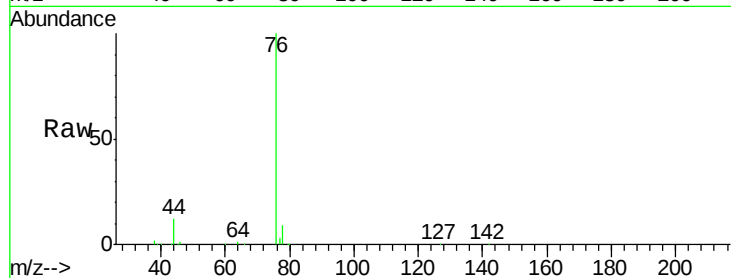
#17
Carbon Disulfide
Concen: 20.322 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

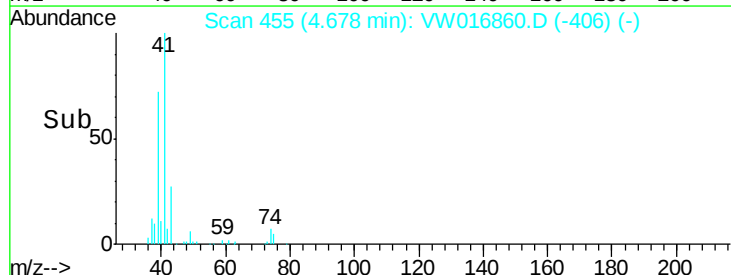
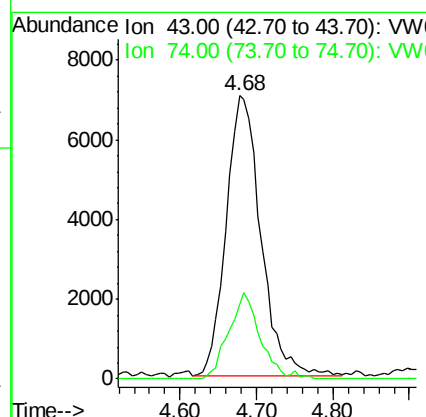
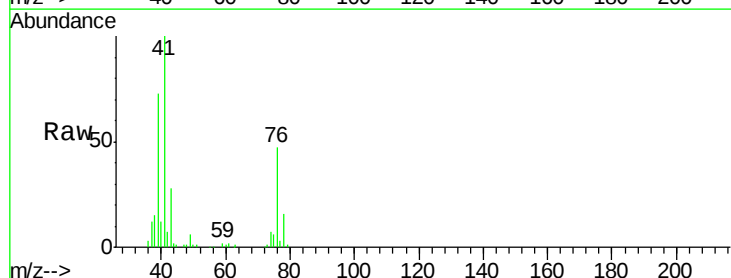
Manual Integrations
APPROVED

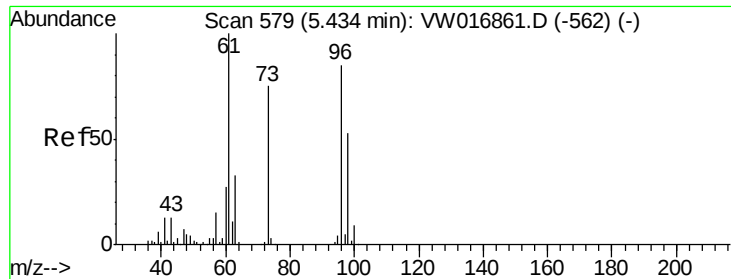
apatel
10/12/2020 1:58:45 PM



#18
Methyl Acetate
Concen: 18.883 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	23.8	35.6





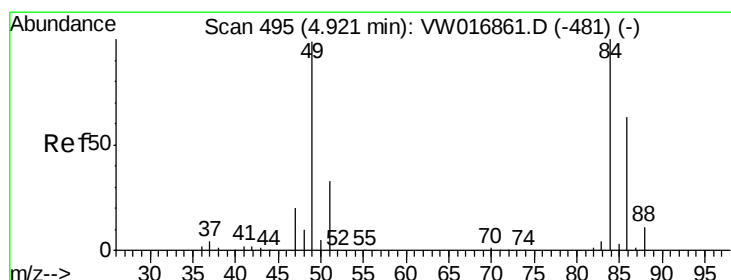
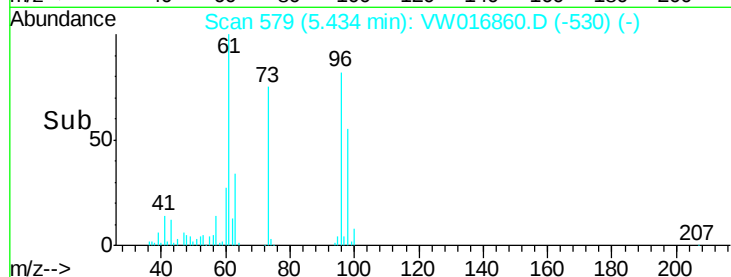
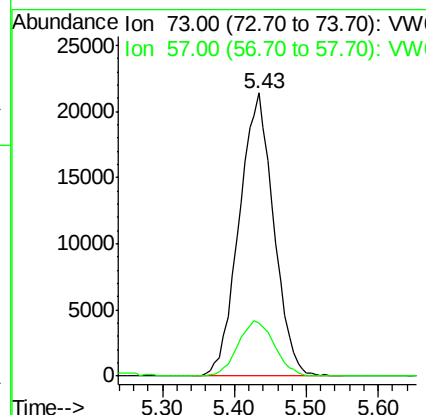
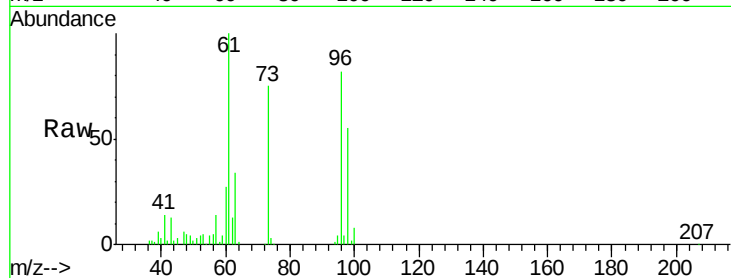
#19
Methyl tert-butyl Ether
Concen: 20.314 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	16.1	24.1

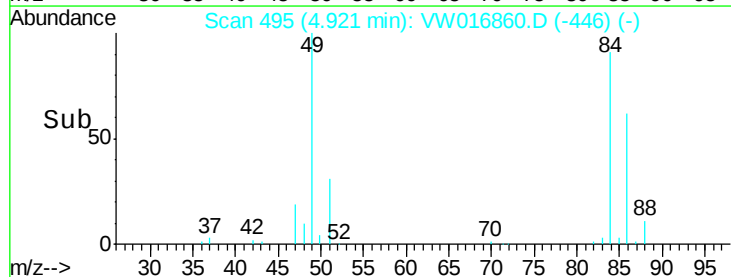
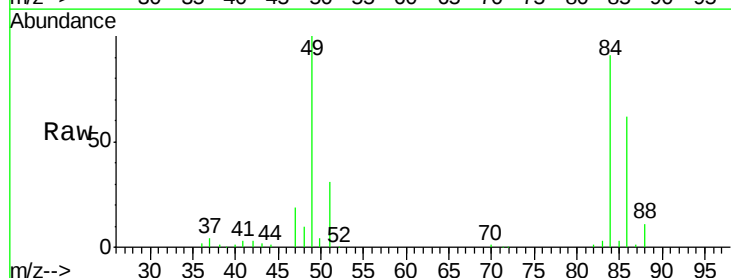
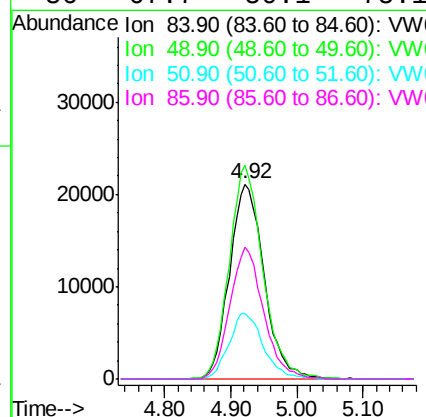
Manual Integrations
APPROVED

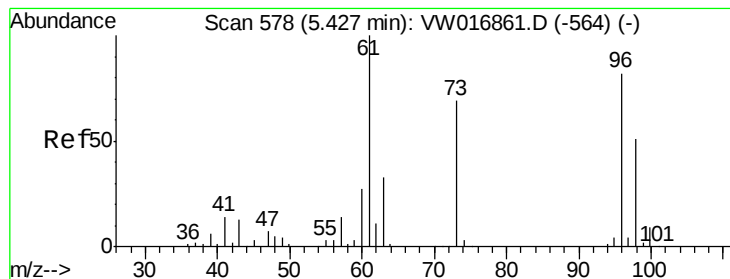
apatel
10/12/2020 1:58:45 PM



#20
Methylene Chloride
Concen: 18.886 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.7	79.0	118.6
51	33.6	26.1	39.1
86	67.7	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 19.967 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 73010

Ion Ratio Lower Upper

96 100

61 125.7 97.4 146.0

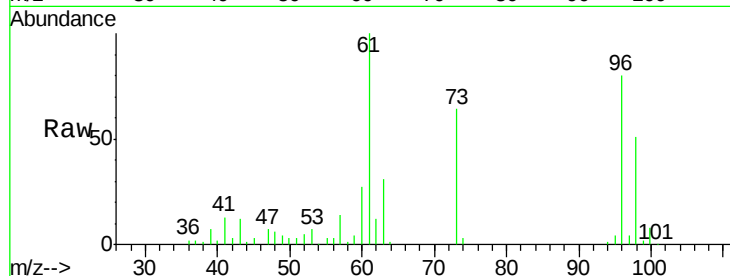
98 63.9 49.4 74.0

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM

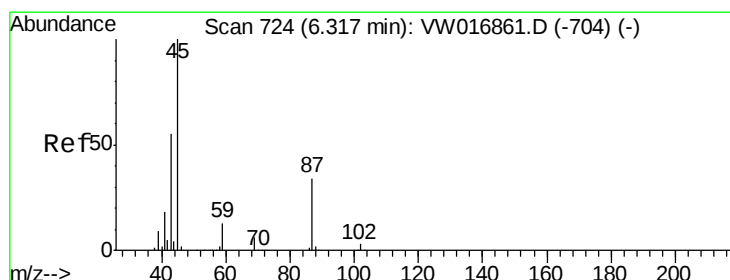
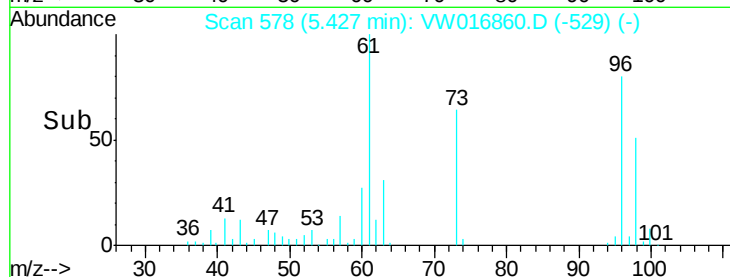
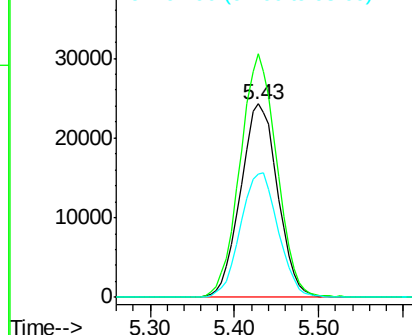


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.481 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion: 45 Resp: 145132

Ion Ratio Lower Upper

45 100

43 54.9 43.8 65.8

87 33.4 27.6 41.4

59 11.3 10.8 16.2

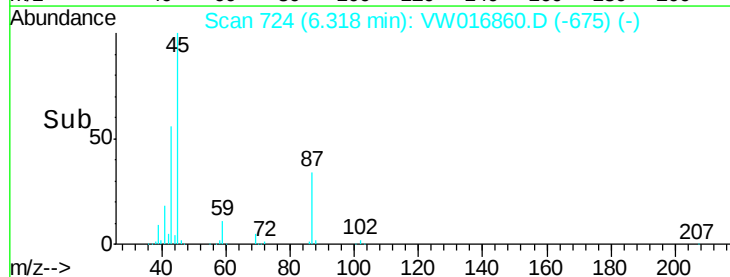
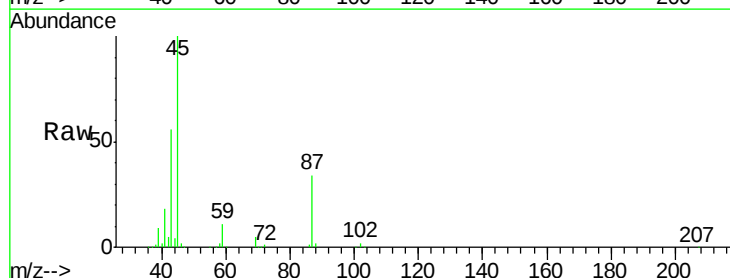
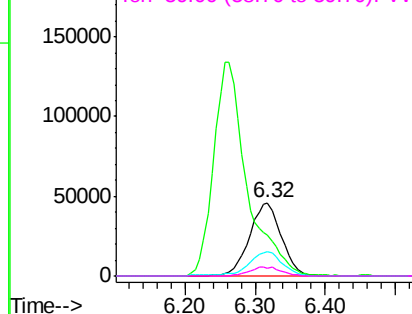
Abundance

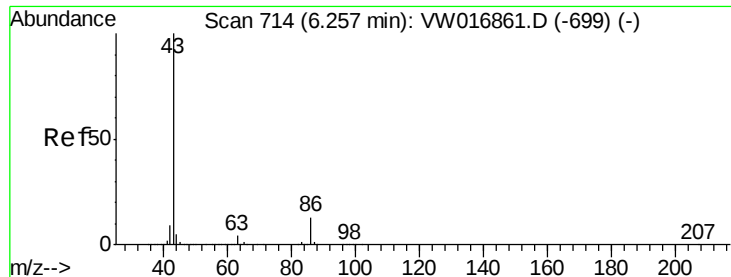
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 97.697 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 443597

Ion Ratio Lower Upper

43 100

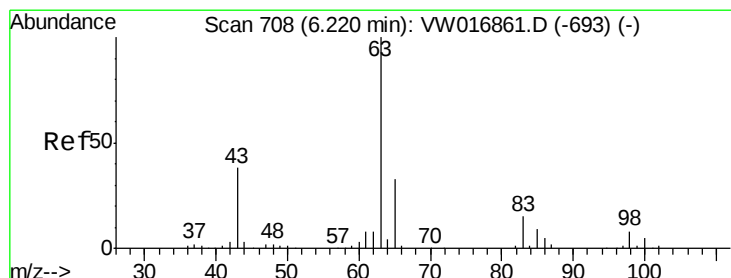
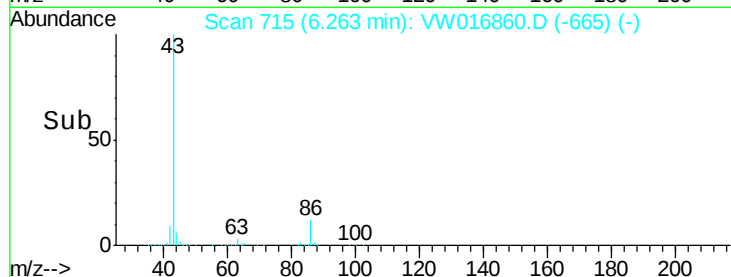
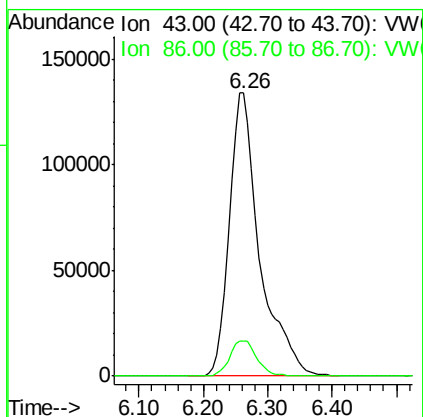
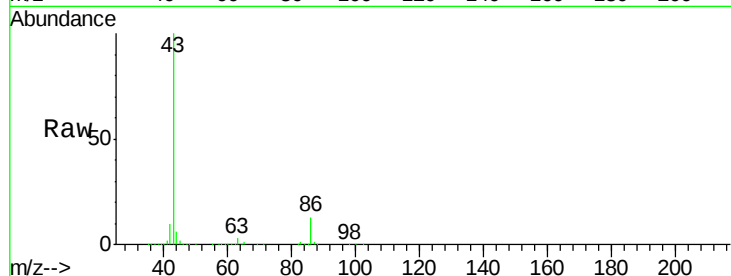
86 12.5 10.2 15.4

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



#24

1,1-Dichloroethane

Concen: 20.161 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

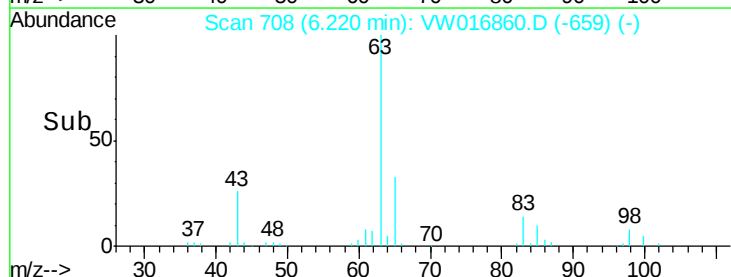
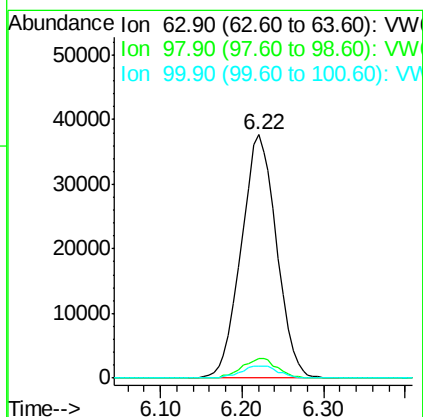
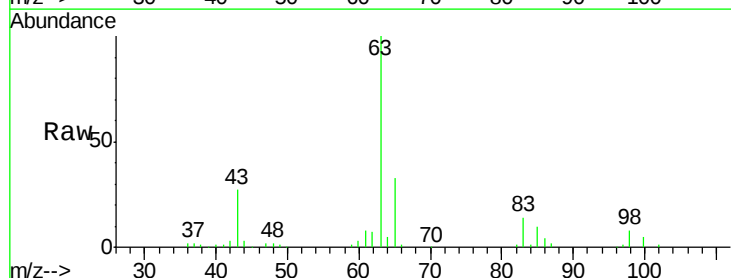
Tgt Ion: 63 Resp: 113285

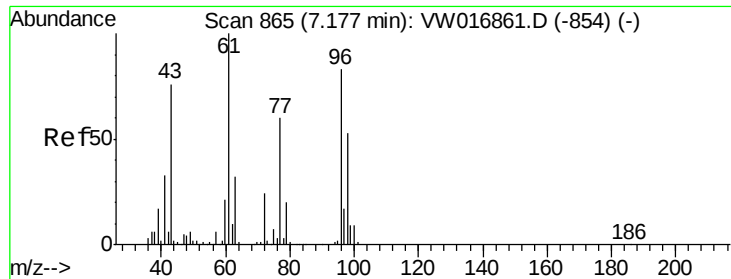
Ion Ratio Lower Upper

63 100

98 8.1 4.2 12.6

100 5.1 2.6 7.8





#25

2-Butanone

Concen: 92.044 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 62920

Ion Ratio Lower Upper

43 100

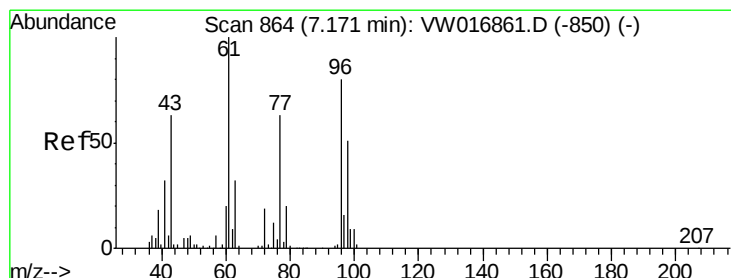
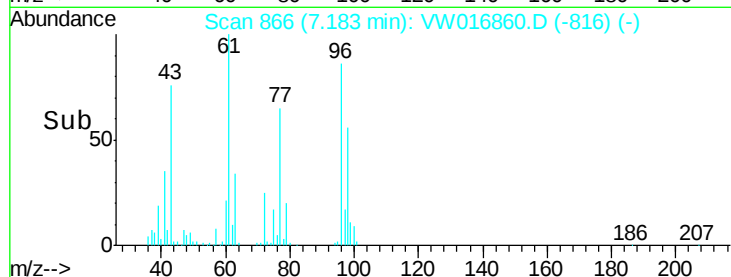
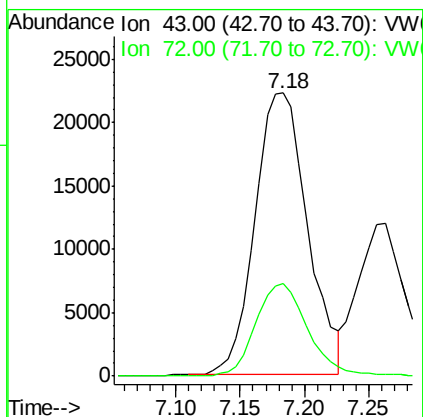
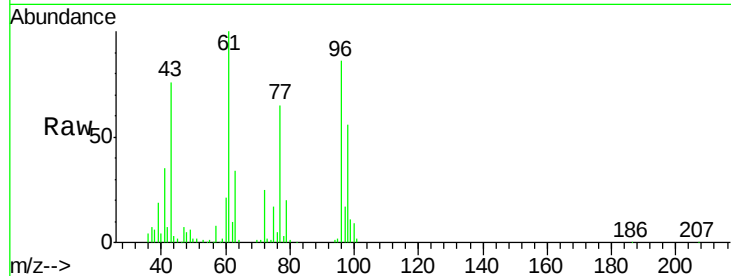
72 33.0 25.4 38.2

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



#26

2,2-Dichloropropane

Concen: 19.832 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016860.D

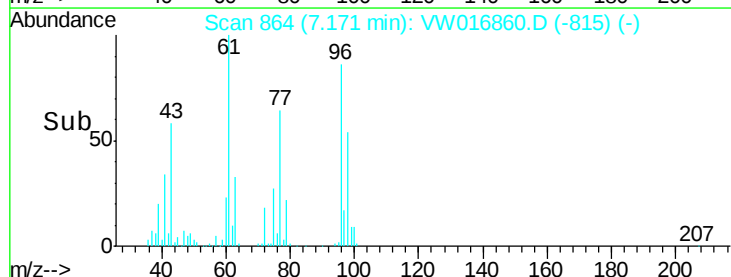
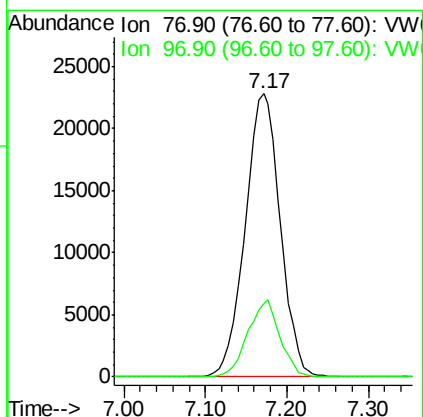
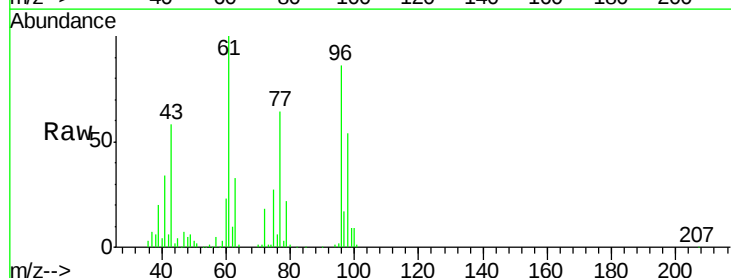
Acq: 09 Oct 2020 14:36

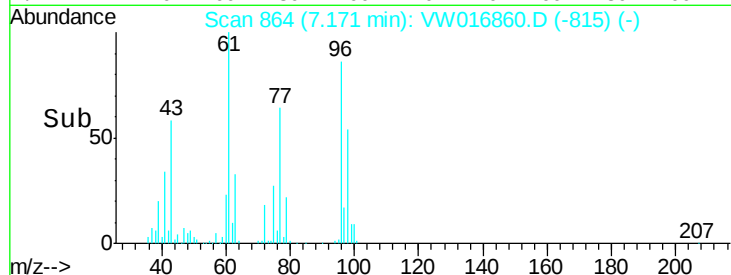
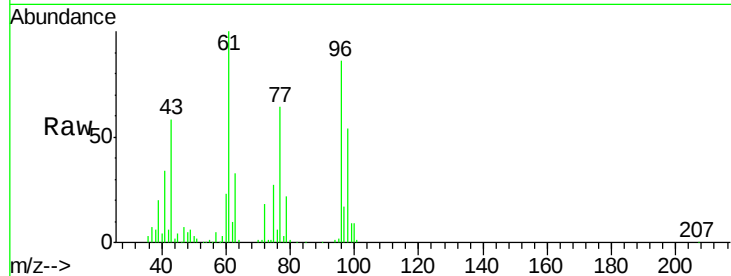
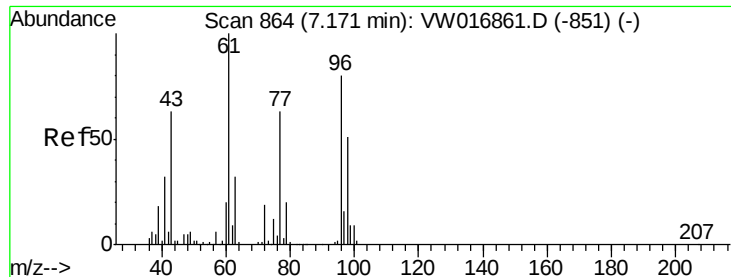
Tgt Ion: 77 Resp: 68177

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.4





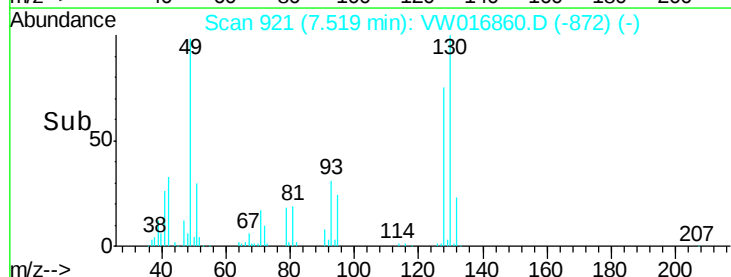
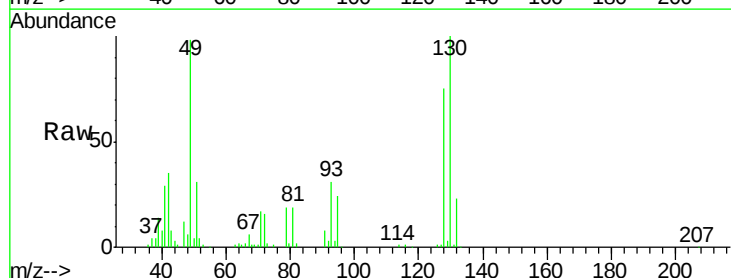
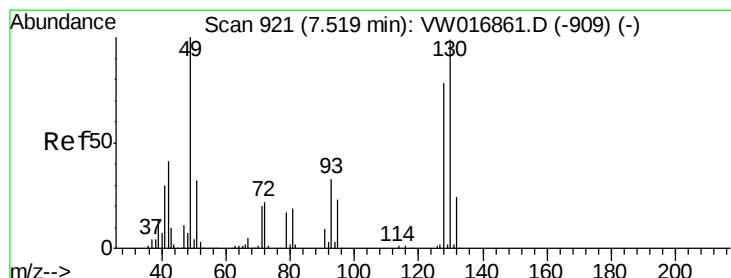
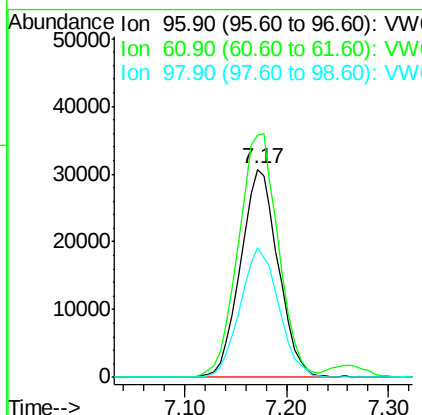
#27
 cis-1,2-Dichloroethene
 Concen: 20.128 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	124.3	0.0	249.6	
98	63.9	0.0	129.4	

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

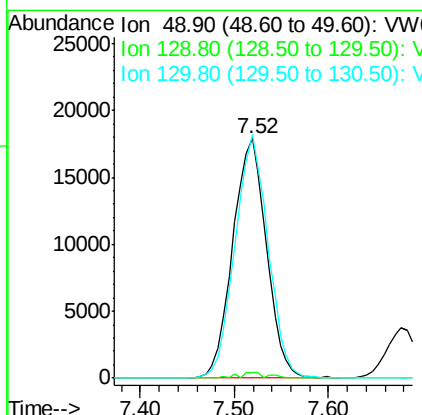
Manual Integrations
 APPROVED

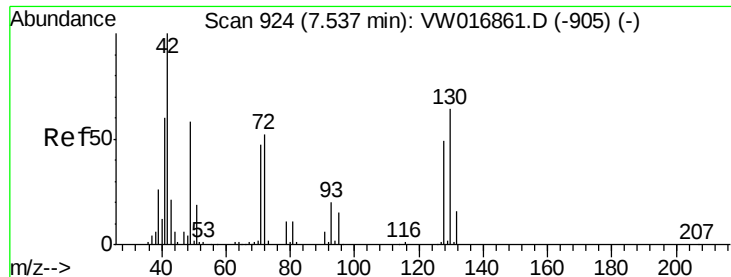
apatel
 10/12/2020 1:58:45 PM



#28
 Bromochloromethane
 Concen: 19.741 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	4.8	
130	100.1	81.3	121.9	





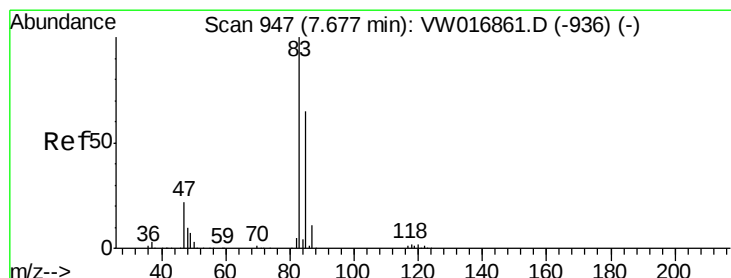
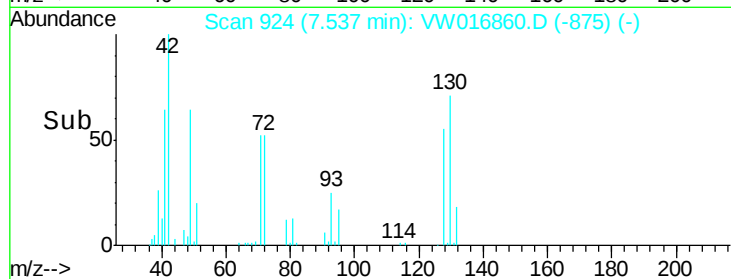
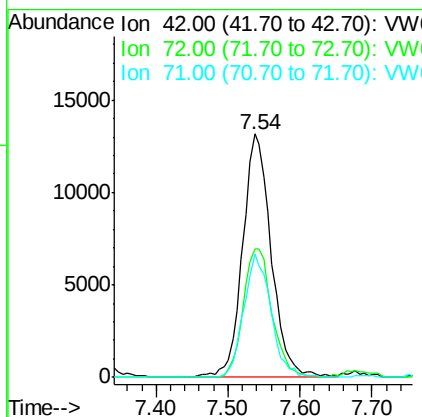
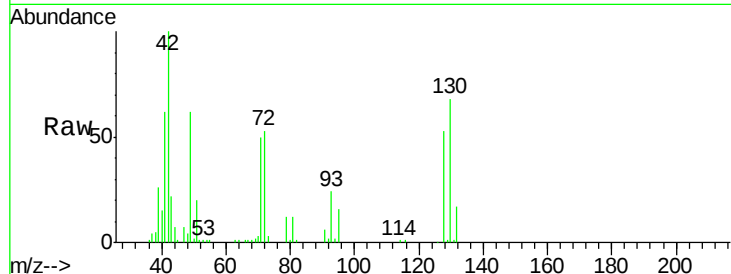
#29
Tetrahydrofuran
Concen: 94.982 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.7	42.0	63.0
71	48.0	39.0	58.6

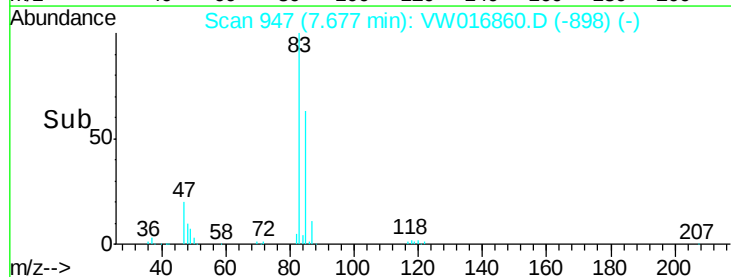
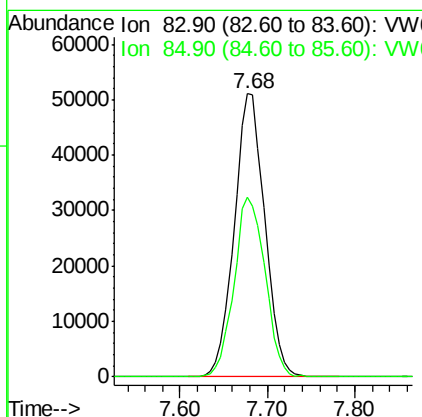
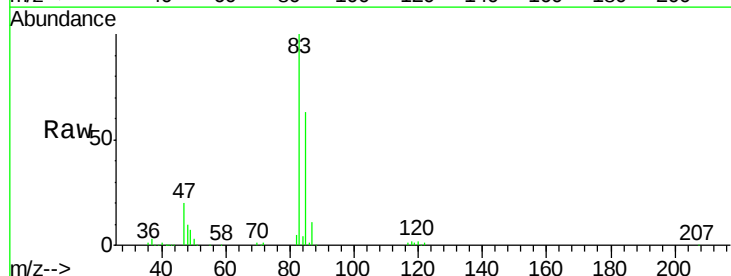
Manual Integrations
APPROVED

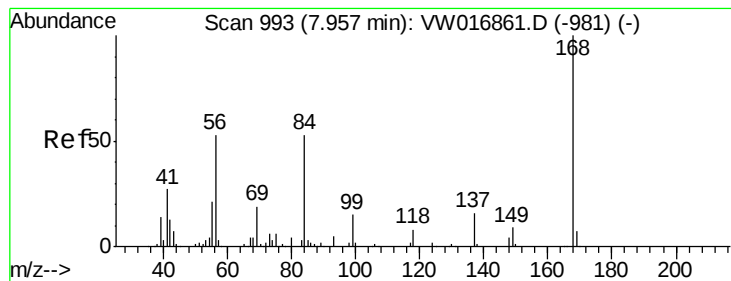
apatel
10/12/2020 1:58:45 PM



#30
Chloroform
Concen: 20.309 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.7	77.5





#31

Cyclohexane

Concen: 20.083 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

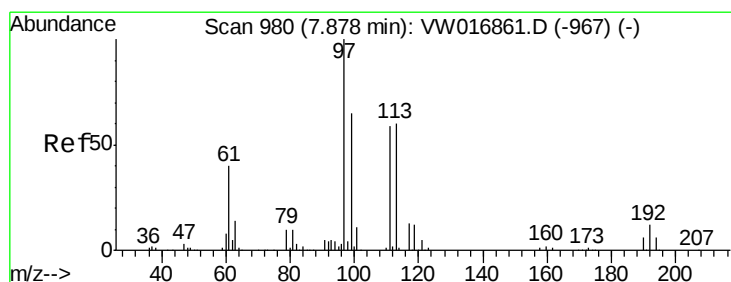
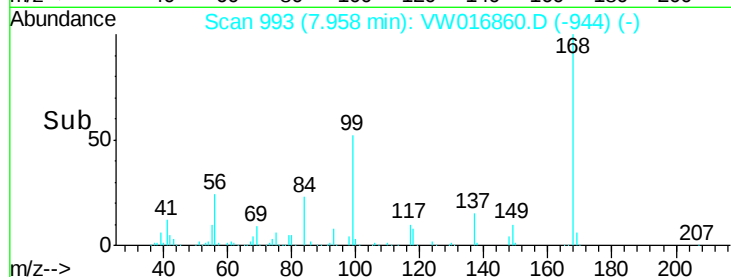
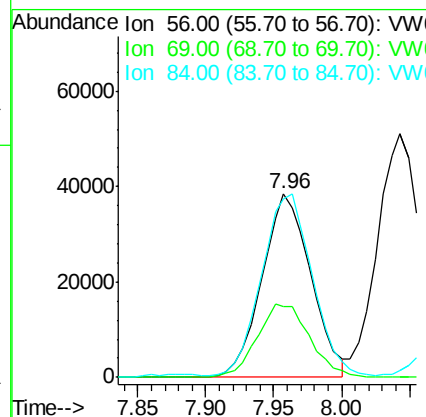
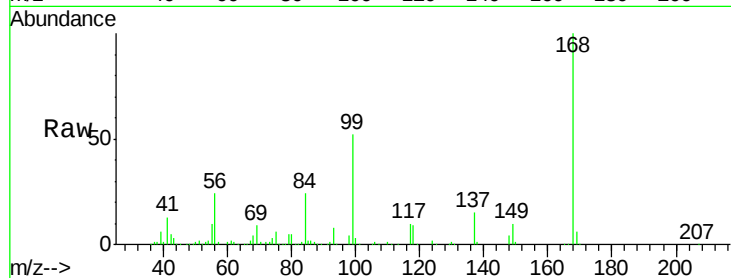
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	96253
Ion Ratio	Lower	Upper	
56	100		
69	38.5	29.3	43.9
84	95.7	80.5	120.7

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM



#32

1,1,1-Trichloroethane

Concen: 20.146 ug/l

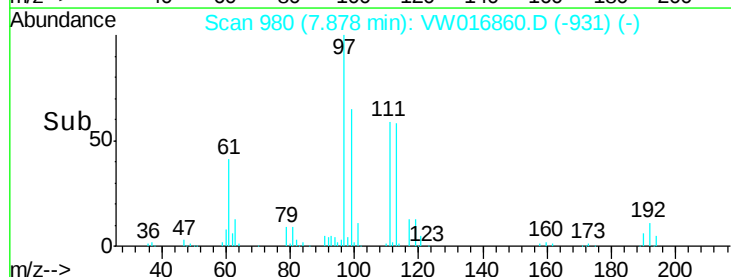
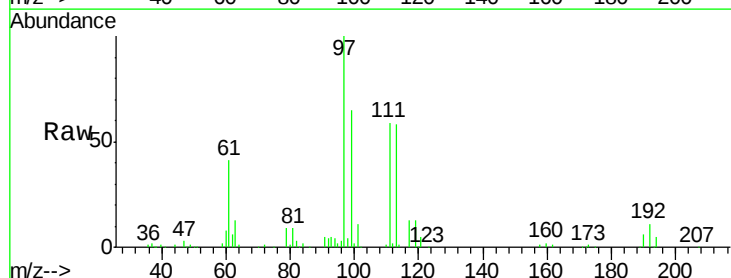
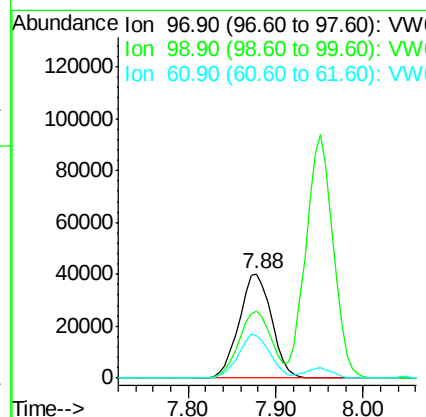
RT: 7.88 min Scan# 980

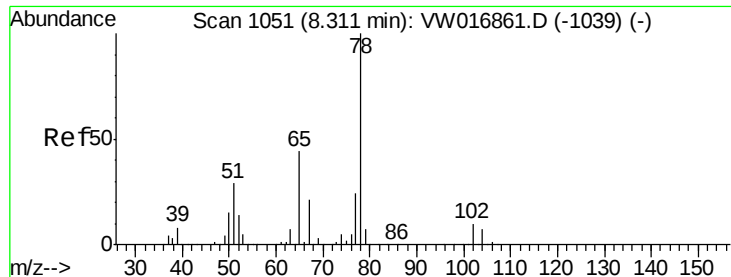
Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion:	97	Resp:	103800
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.4	78.6
61	40.8	31.9	47.9





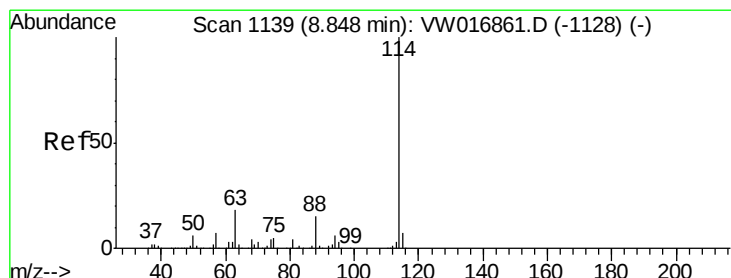
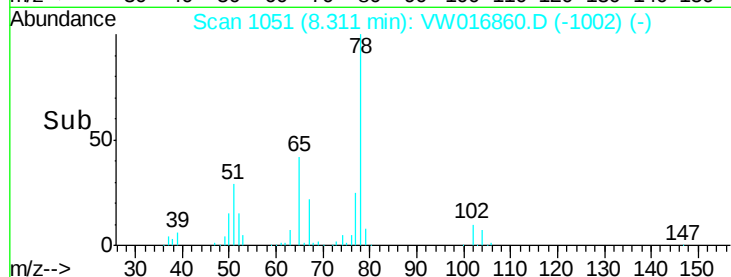
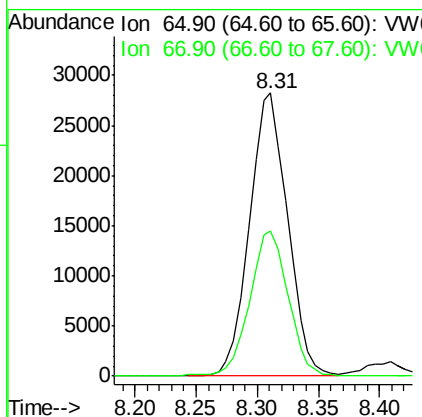
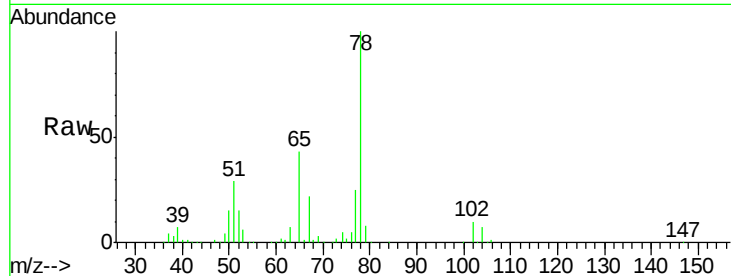
#33
 1,2-Dichloroethane-d4
 Concen: 19.336 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.8

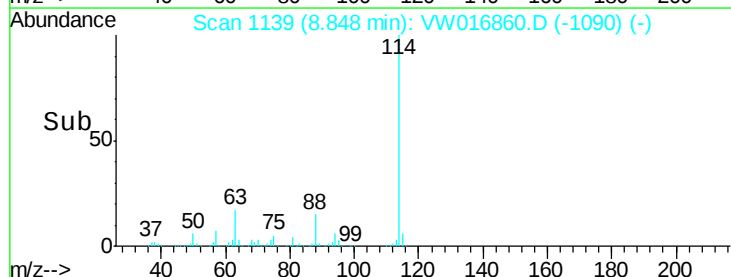
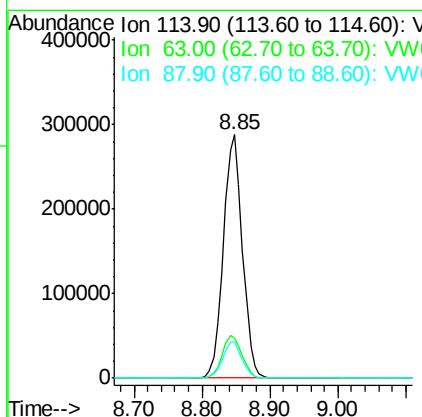
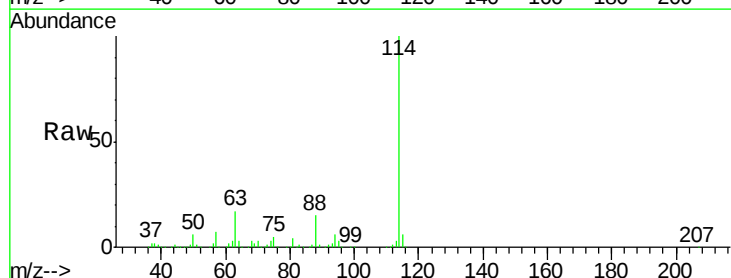
Manual Integrations
 APPROVED

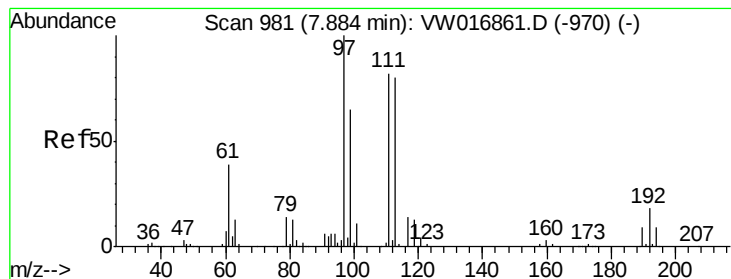
apatel
 10/12/2020 1:58:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	35.6
88	14.7	0.0	30.4





#35

Dibromofluoromethane

Concen: 19.812 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 67525

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

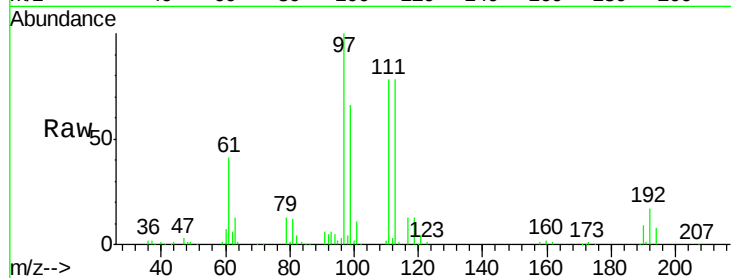
192 22.0 17.8 26.8

Manual Integrations

APPROVED

apatel

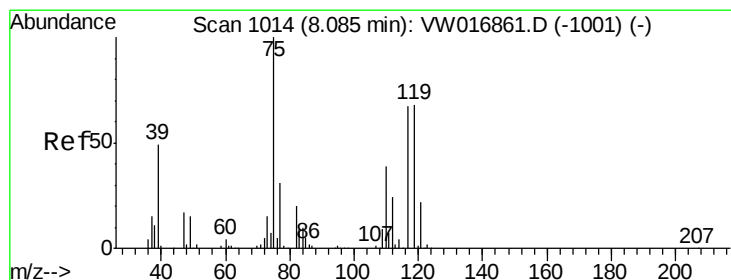
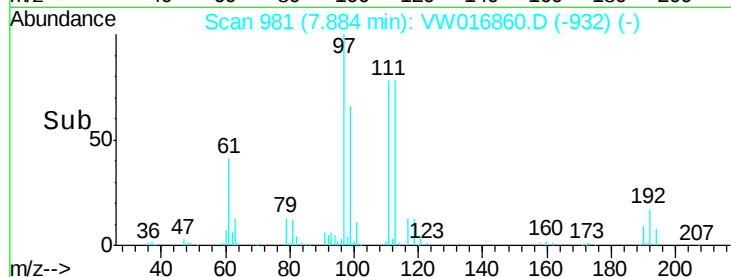
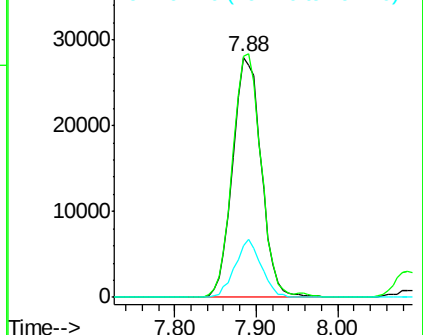
10/12/2020 1:58:45 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.629 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

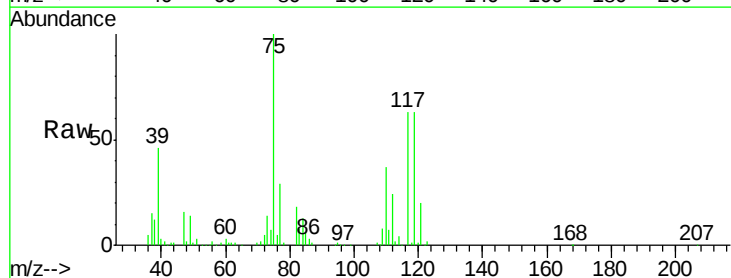
Tgt Ion: 75 Resp: 99188

Ion Ratio Lower Upper

75 100

110 37.8 19.3 57.9

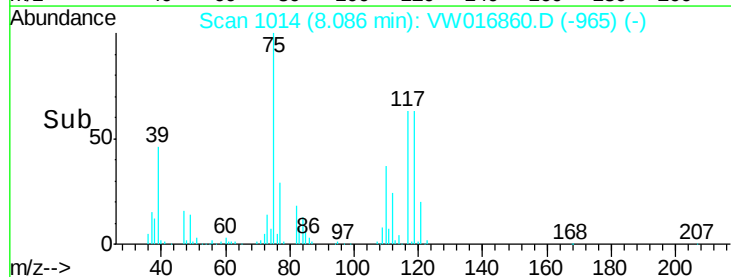
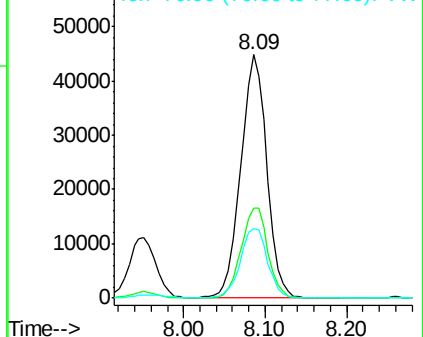
77 30.3 25.0 37.6

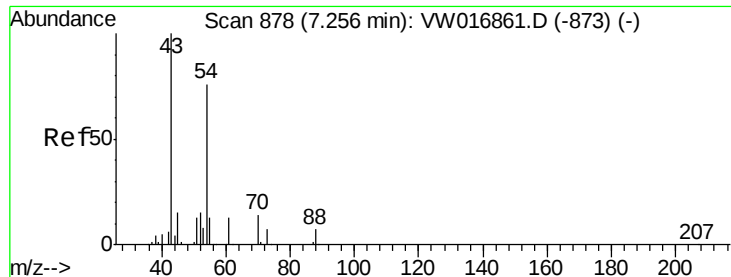


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





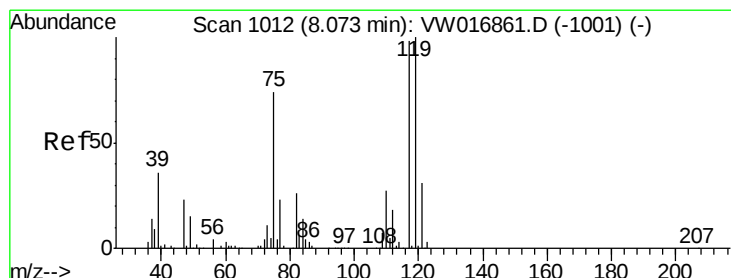
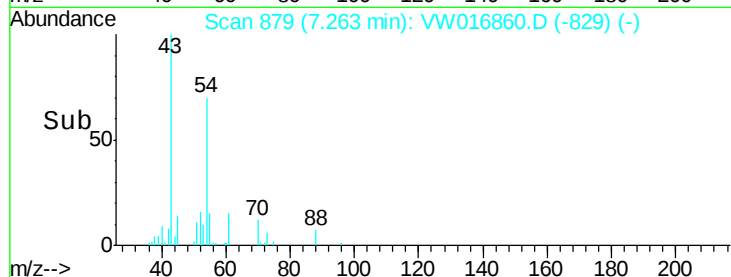
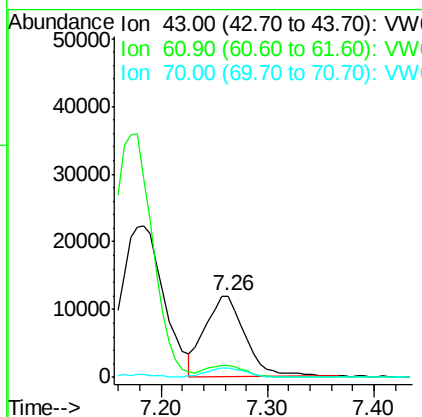
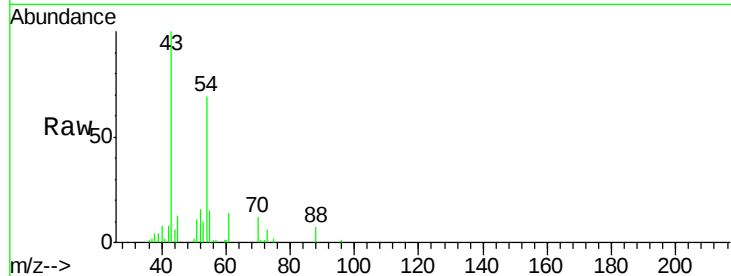
#37
Ethyl Acetate
Concen: 19.573 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	12.2	9.9	14.9

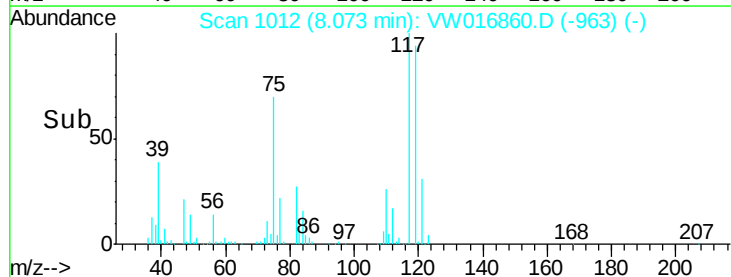
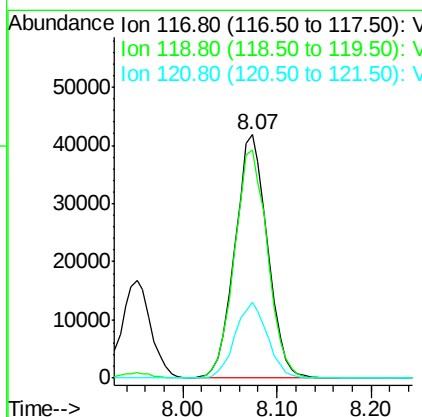
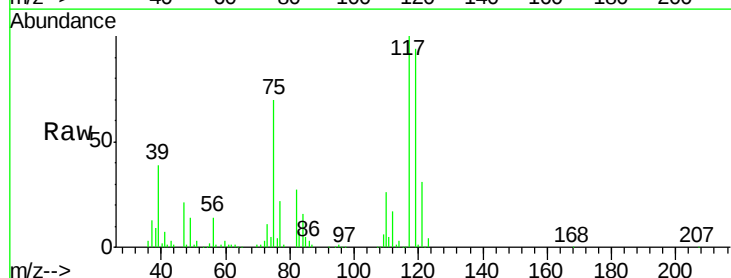
Manual Integrations
APPROVED

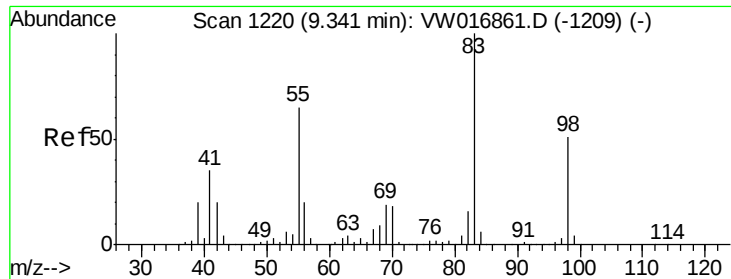
apatel
10/12/2020 1:58:45 PM



#38
Carbon Tetrachloride
Concen: 20.161 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	81.6	122.4
121	31.4	25.7	38.5





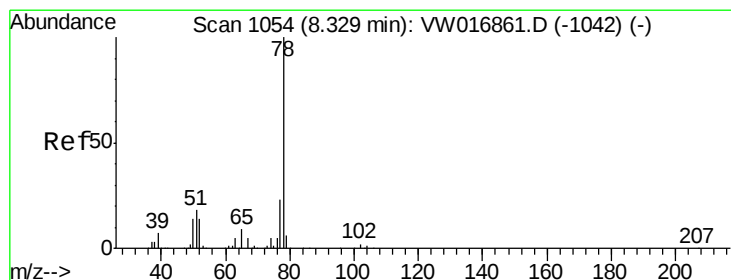
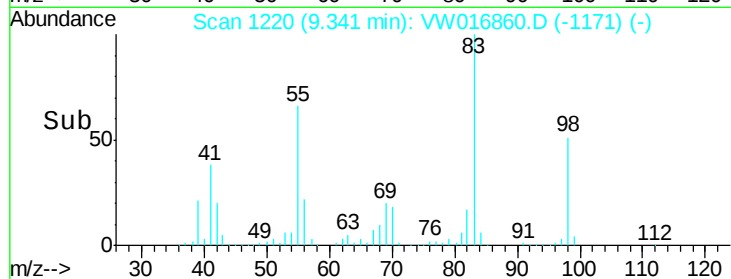
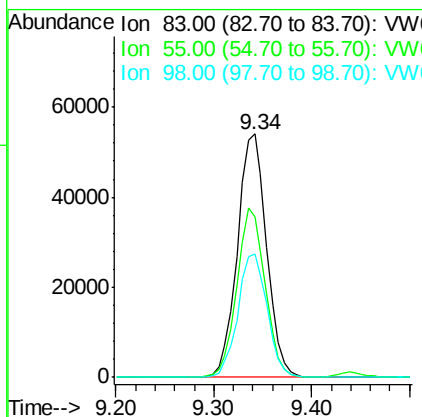
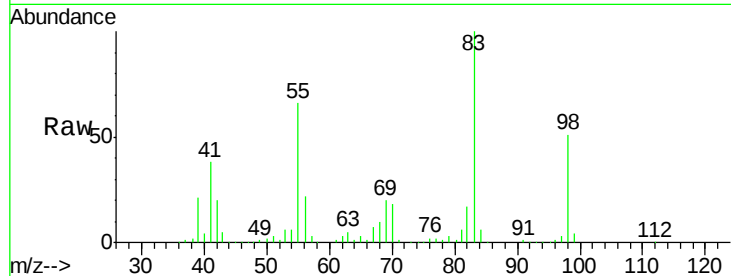
#39
Methvlcvclohexane
Concen: 20.357 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	111596
Ion Ratio	Lower	Upper	
83	100		
55	65.7	51.7	77.5
98	50.9	41.0	61.4

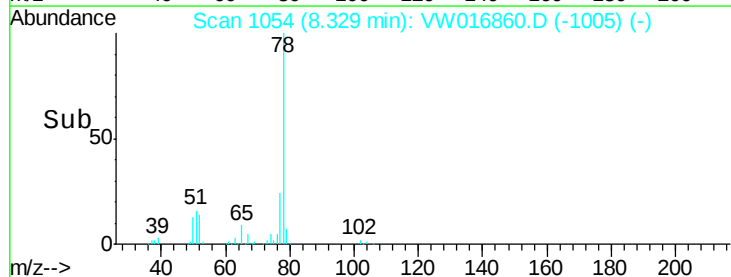
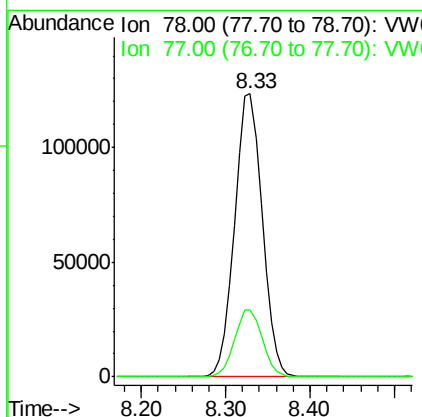
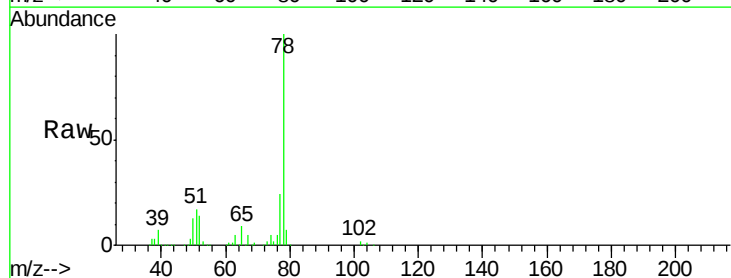
Manual Integrations
APPROVED

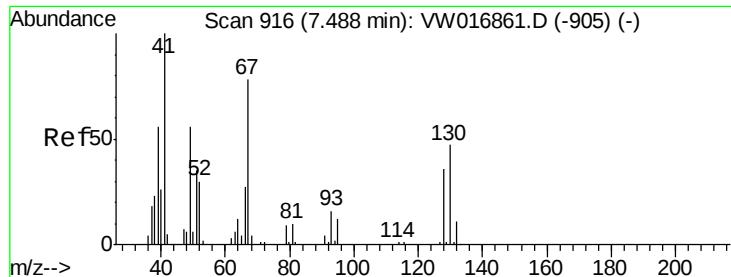
apatel
10/12/2020 1:58:45 PM



#40
Benzene
Concen: 20.388 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	78	Resp	273078
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.5	27.7





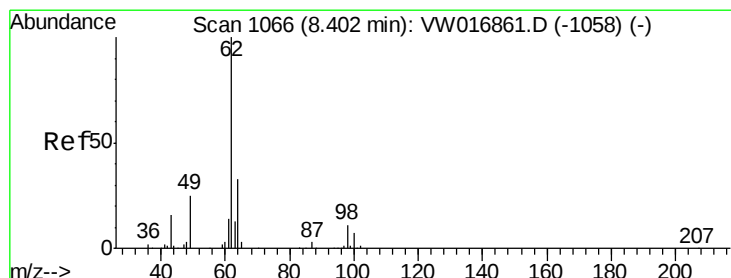
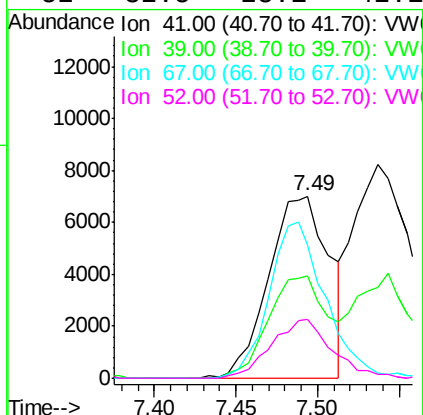
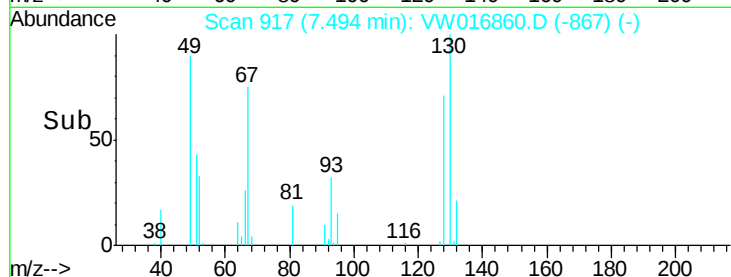
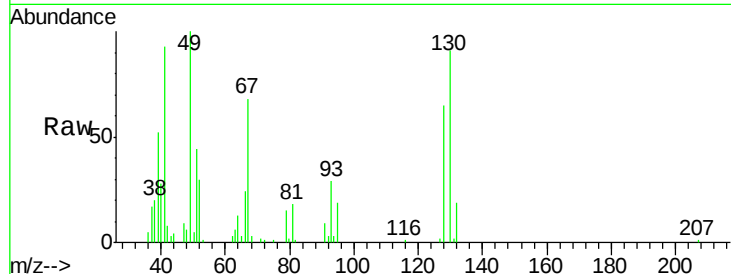
#41
Methacrylonitrile
Concen: 26.823 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	18076
Ion	Ratio	Lower	Upper
41	100		
39	54.7	47.0	70.6
67	79.9	68.6	102.8
52	32.5	28.1	42.1

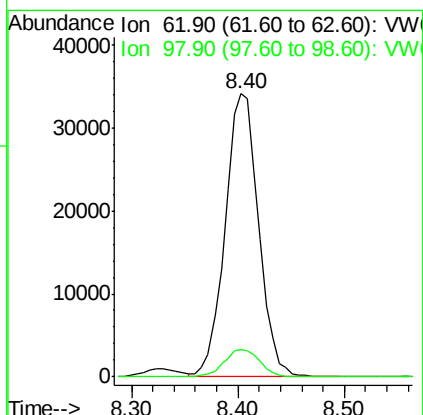
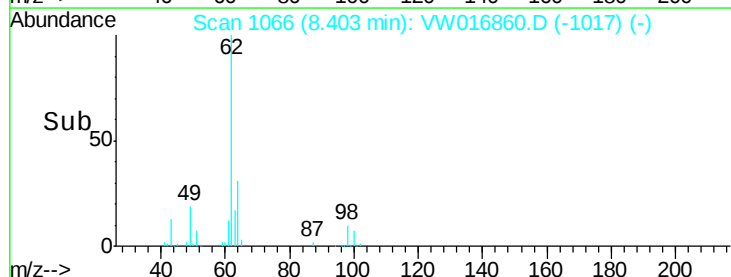
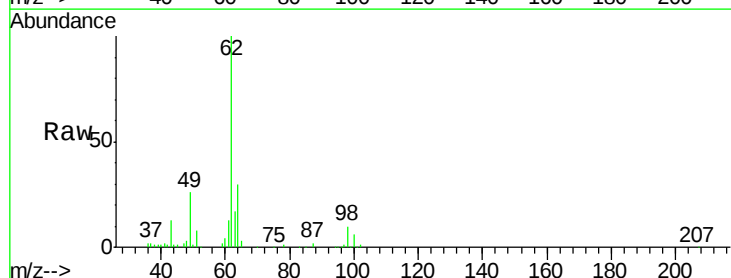
Manual Integrations
APPROVED

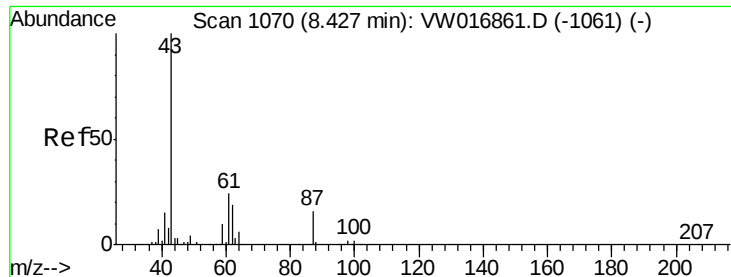
apatel
10/12/2020 1:58:45 PM



#42
1,2-Dichloroethane
Concen: 20.465 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	62	Resp	74980
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.469 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

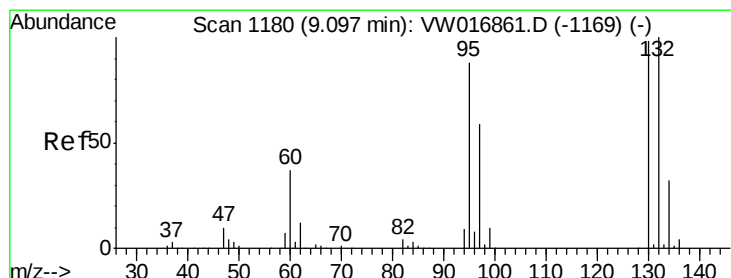
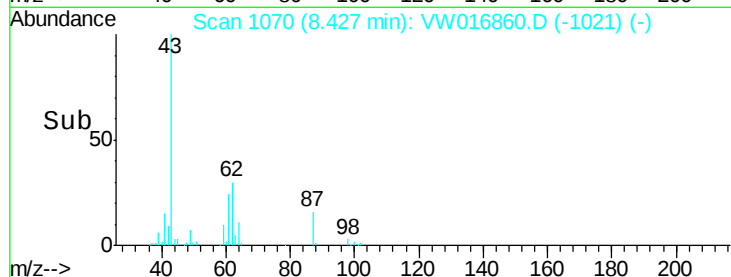
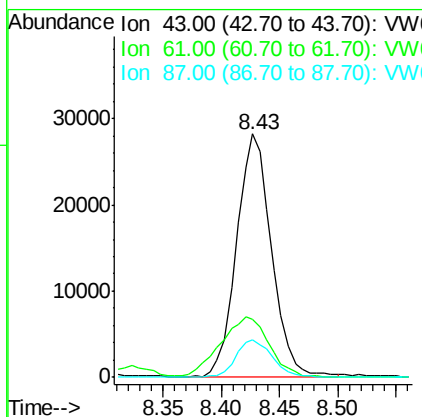
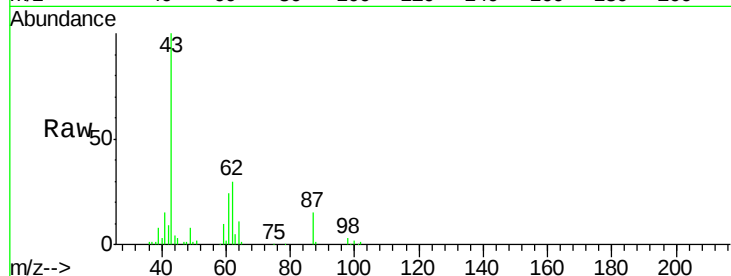
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	58577
Ion	Ratio	Lower	Upper
43	100		
61	34.6	27.5	41.3
87	16.2	13.6	20.4

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM



#44

Trichloroethene

Concen: 20.348 ug/l

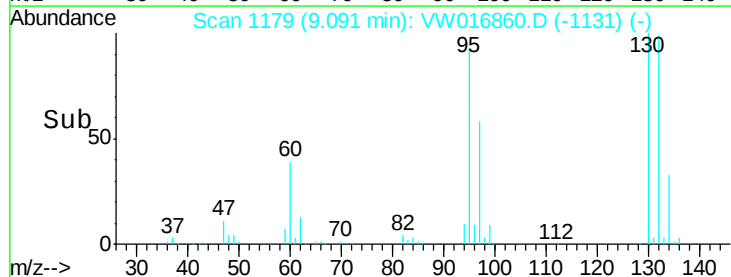
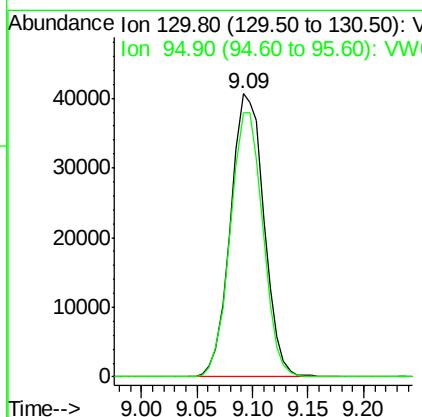
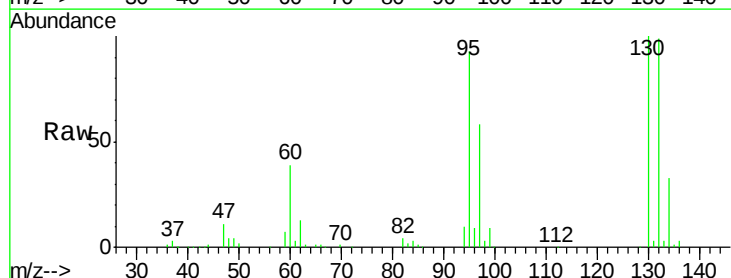
RT: 9.09 min Scan# 1179

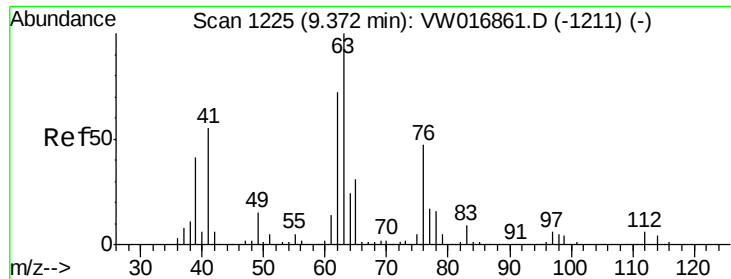
Delta R.T. -0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion:	130	Resp:	84355
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	180.2





#45

1,2-Dichloropropane

Concen: 20.564 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 62811

Ion Ratio Lower Upper

63 100

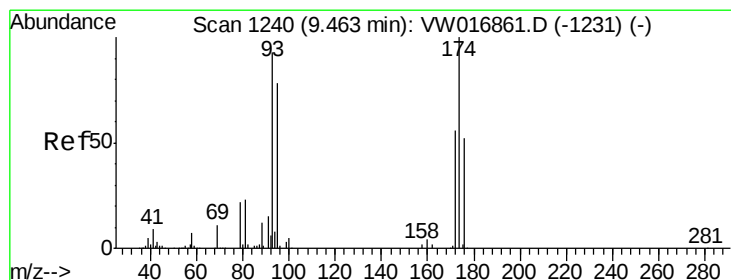
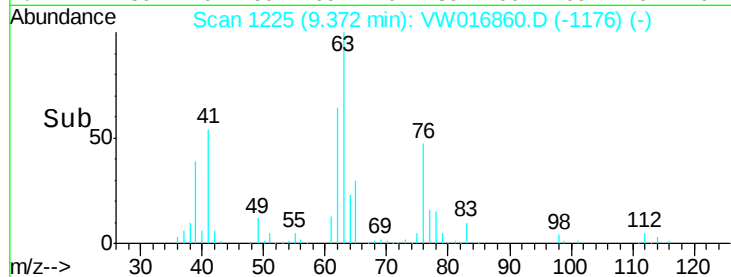
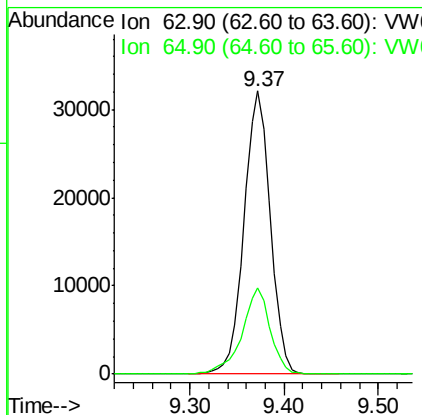
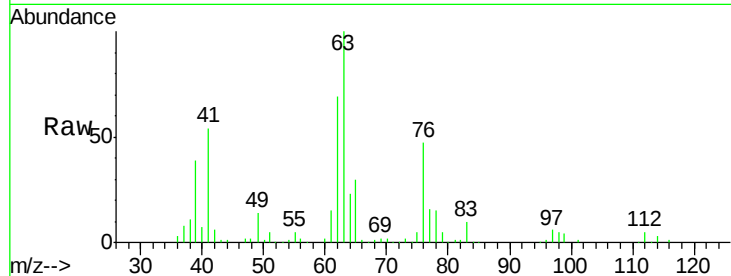
65 30.5 25.1 37.7

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



#46

Dibromomethane

Concen: 19.847 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

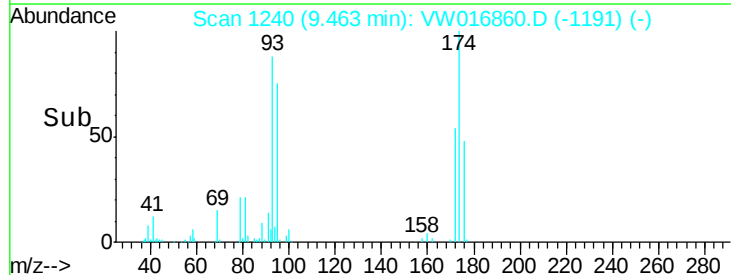
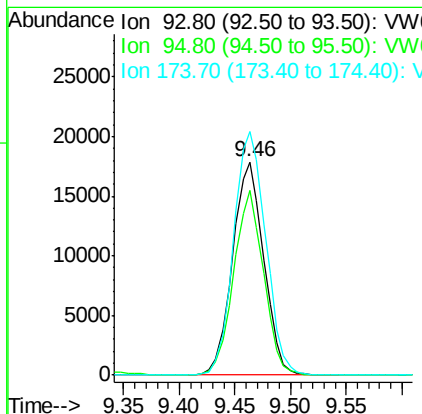
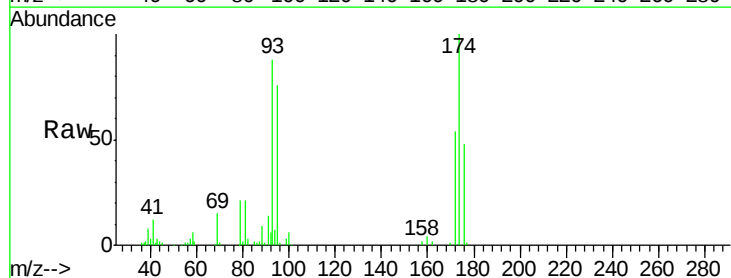
Tgt Ion: 93 Resp: 34674

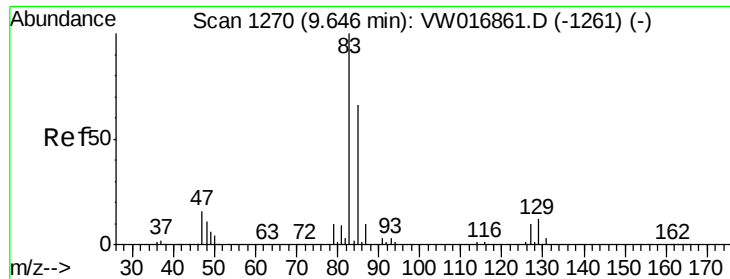
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 117.4 91.0 136.6





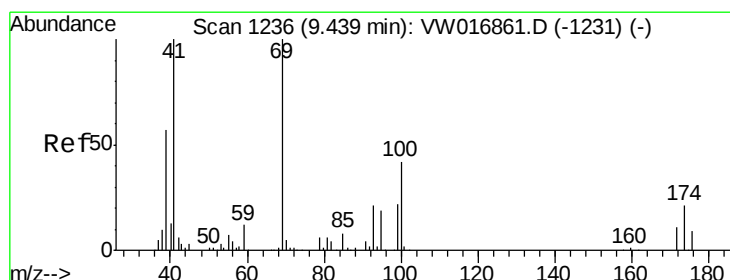
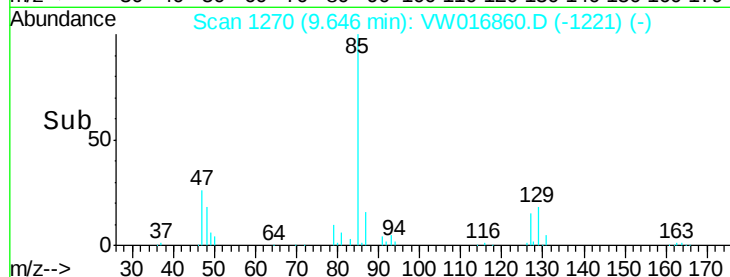
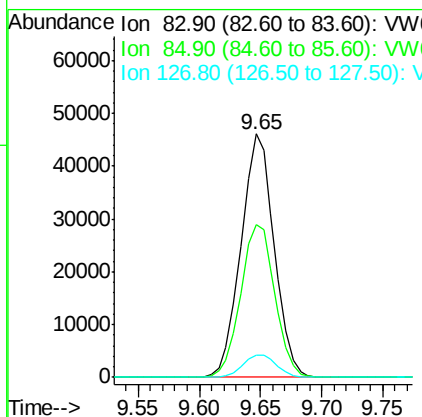
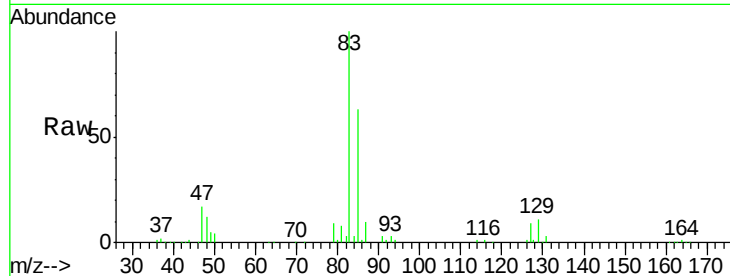
#47
Bromodichloromethane
Concen: 19.951 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	86668
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	52.7	79.1
127	9.1	7.8	11.6

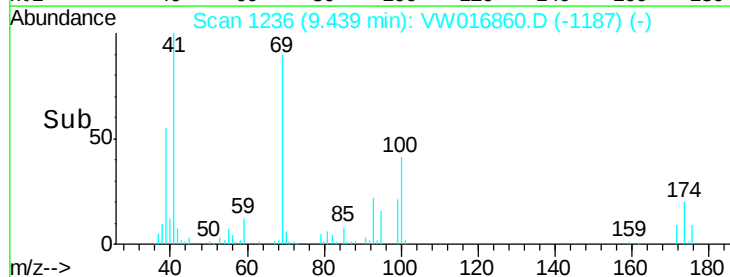
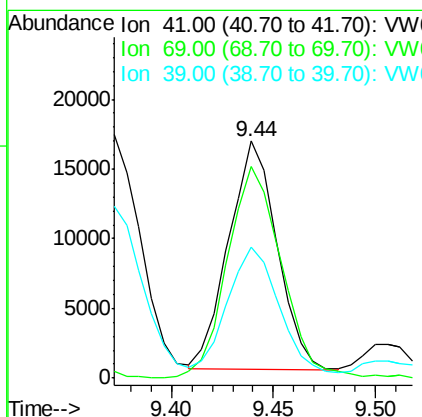
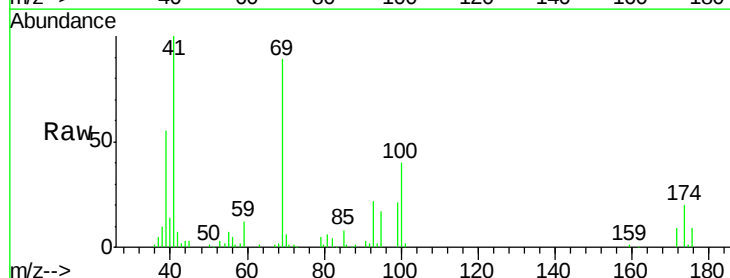
Manual Integrations
APPROVED

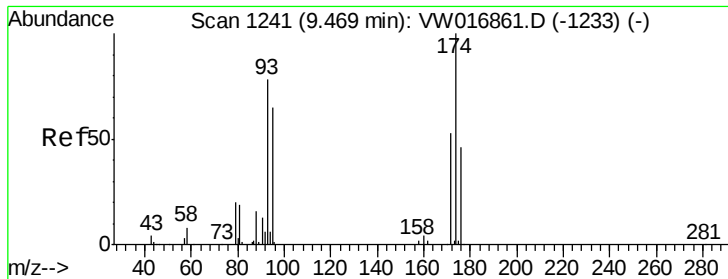
apatel
10/12/2020 1:58:45 PM



#48
Methyl methacrylate
Concen: 19.461 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	41	Resp	26982
Ion Ratio	100	Lower	Upper
41	100		
69	104.1	83.5	125.3
39	56.8	50.9	76.3





#49

1,4-Dioxane

Concen: 391.625 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

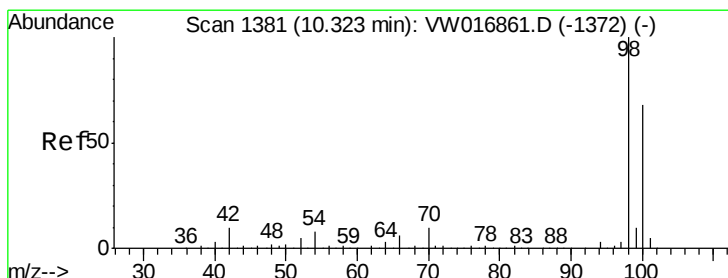
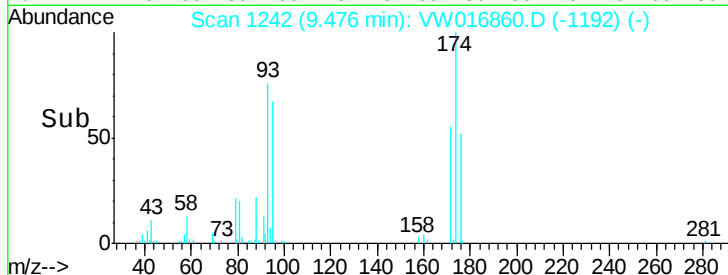
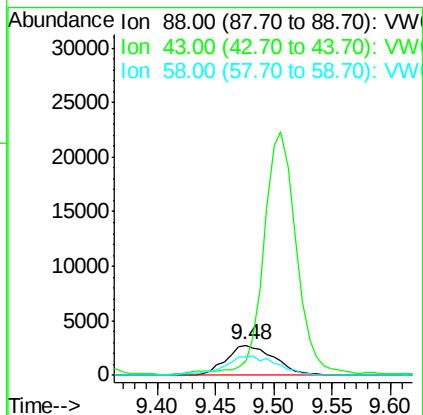
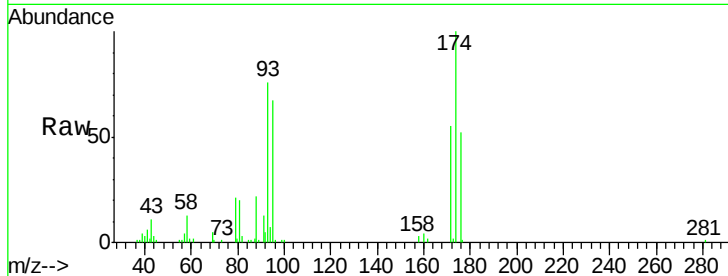
ClientSampleId :

VSTDIC020

Tot Ion	88	Resp	7870
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.6	54.0	81.0

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM



#50

Toluene-d8

Concen: 20.066 ug/l

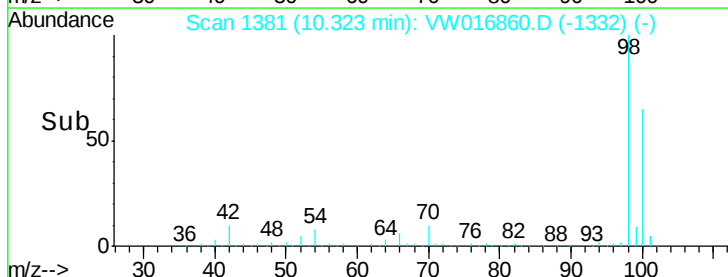
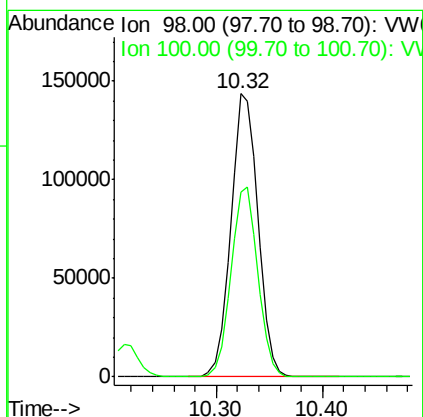
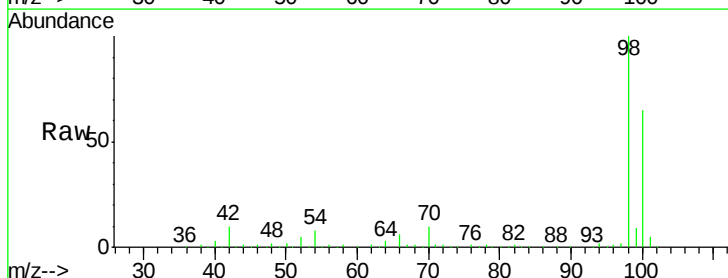
RT: 10.32 min Scan# 1381

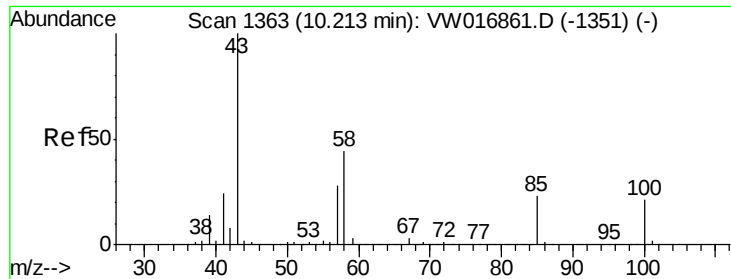
Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion	98	Resp	256431
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 96.183 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 146400

Ion Ratio Lower Upper

43 100

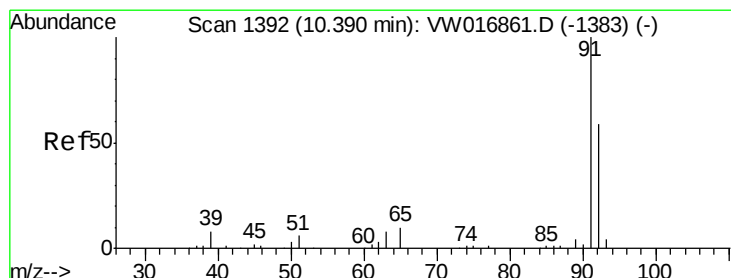
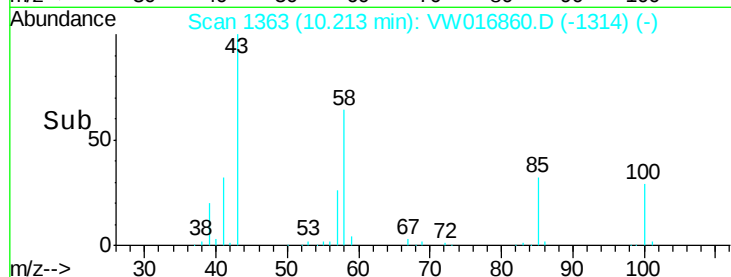
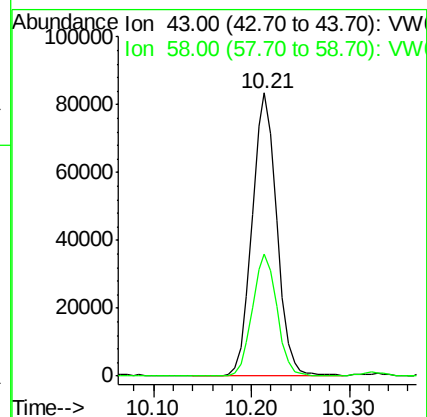
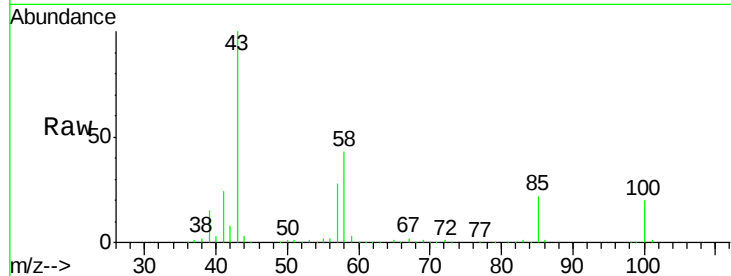
58 42.9 34.7 52.1

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



#52

Toluene

Concen: 20.307 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016860.D

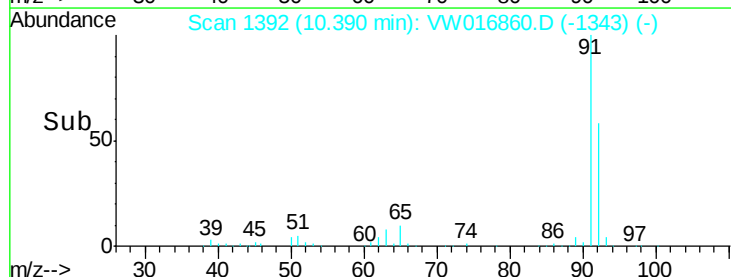
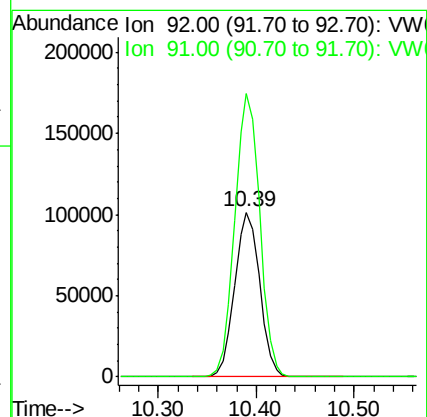
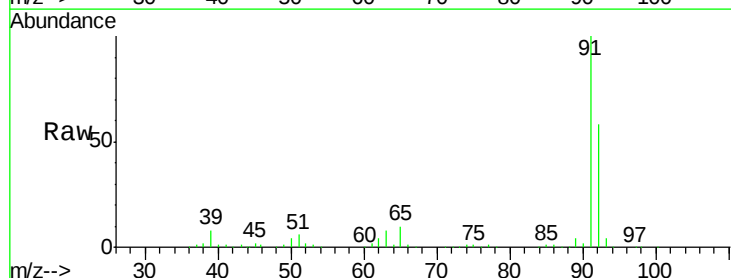
Acq: 09 Oct 2020 14:36

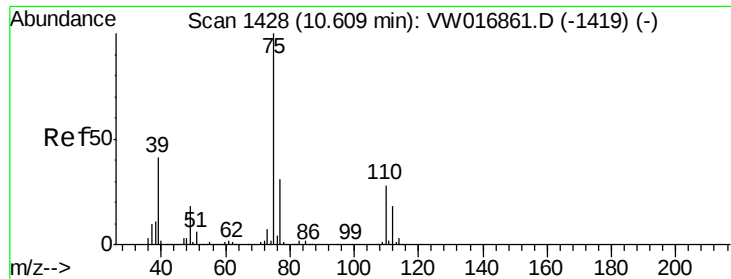
Tgt Ion: 92 Resp: 179804

Ion Ratio Lower Upper

92 100

91 172.1 134.7 202.1





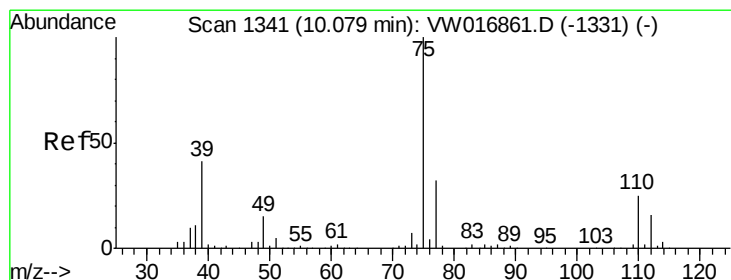
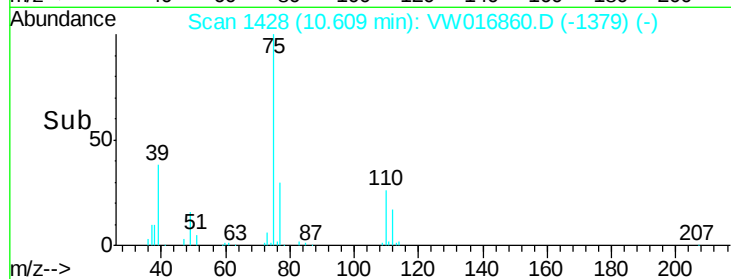
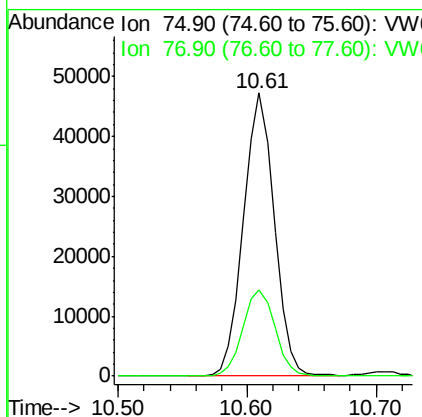
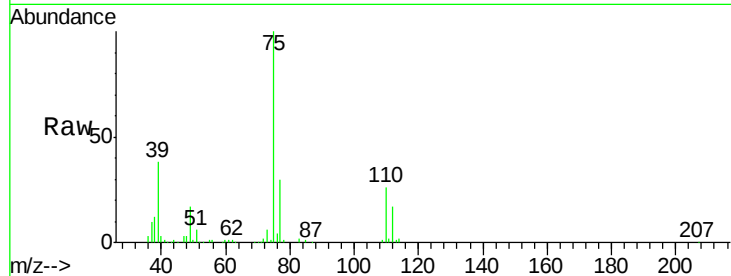
#53
 t-1,3-Dichloropropene
 Concen: 19.776 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 78206
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.8 37.2

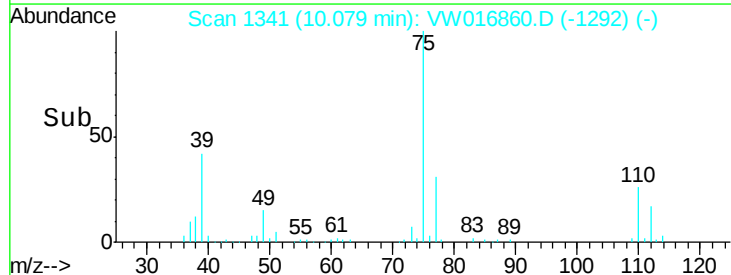
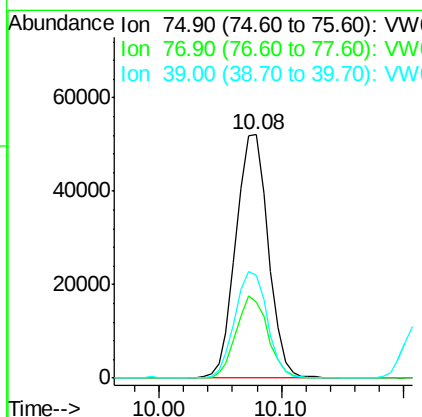
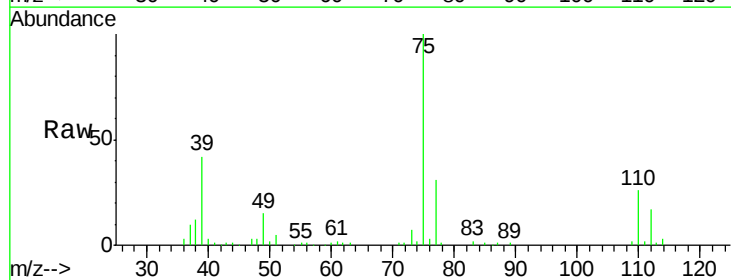
Manual Integrations
 APPROVED

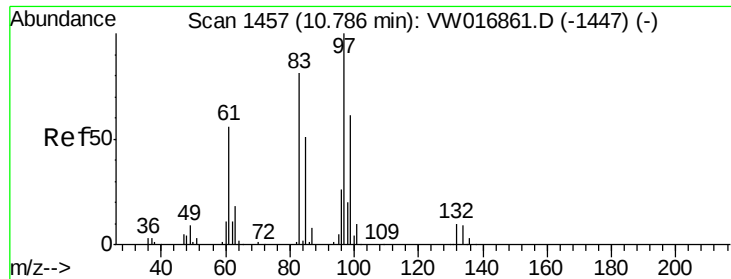
apatel
 10/12/2020 1:58:45 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.917 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 75 Resp: 96208
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6
 39 42.2 32.9 49.3





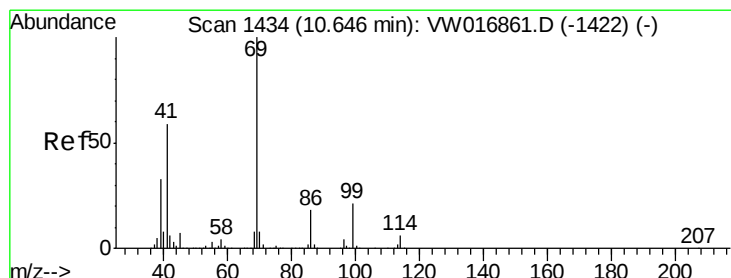
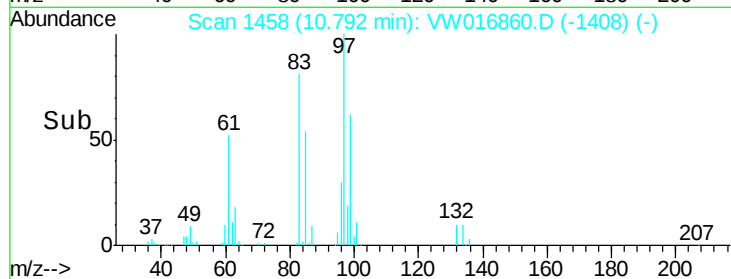
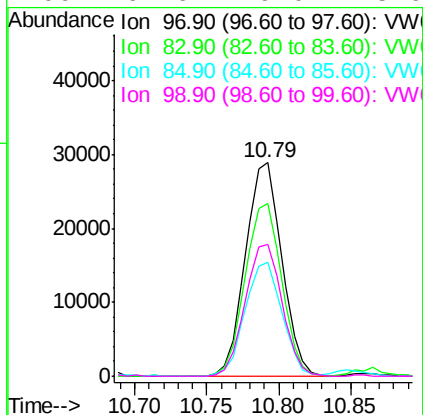
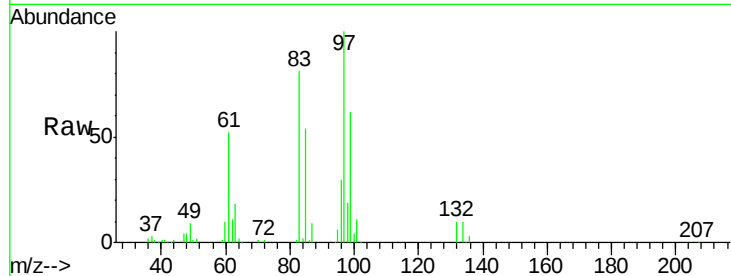
#55
 1,1,2-Trichloroethane
 Concen: 20.345 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	50594
Ion	Ratio	Lower	Upper
97	100		
83	80.6	64.6	97.0
85	53.5	40.6	61.0
99	61.6	49.0	73.6

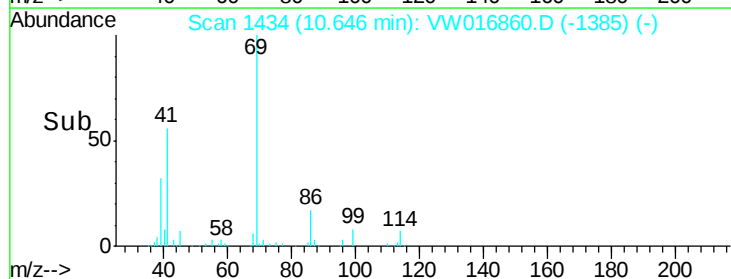
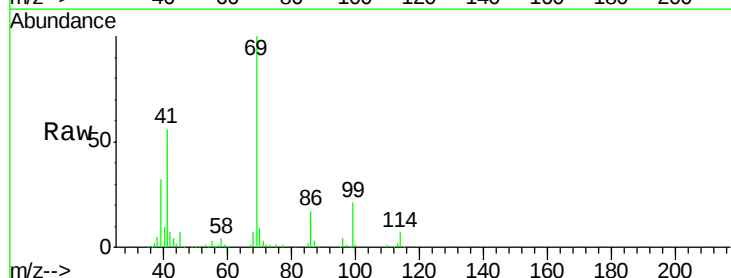
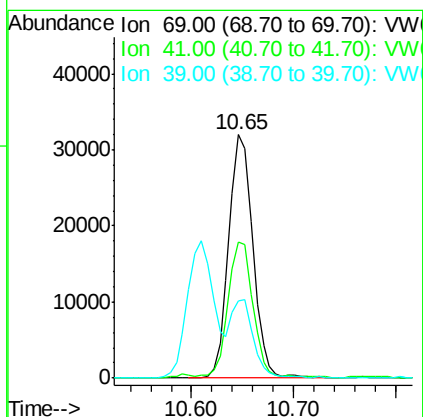
Manual Integrations
 APPROVED

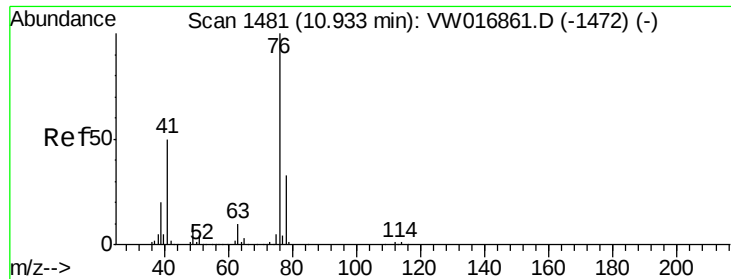
apatel
 10/12/2020 1:58:45 PM



#56
 Ethyl methacrylate
 Concen: 19.416 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion:	69	Resp:	52526
Ion	Ratio	Lower	Upper
69	100		
41	56.8	46.3	69.5
39	28.5	25.9	38.9





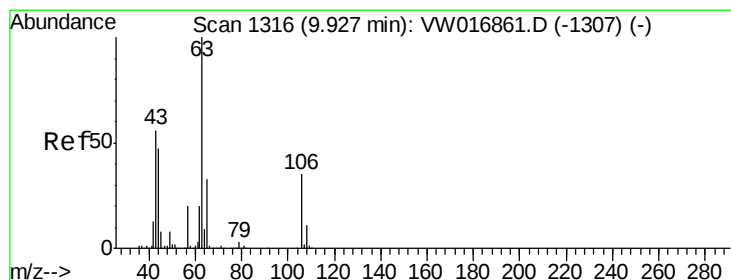
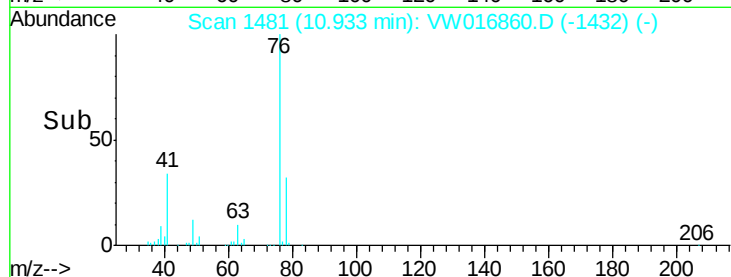
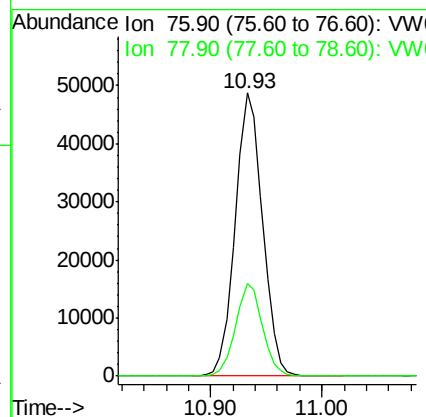
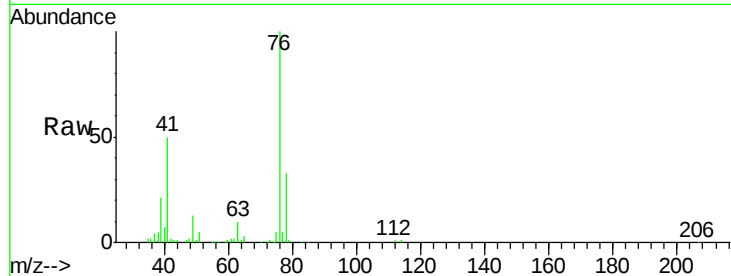
#57
 1,3-Dichloropropane
 Concen: 20.104 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 82713
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

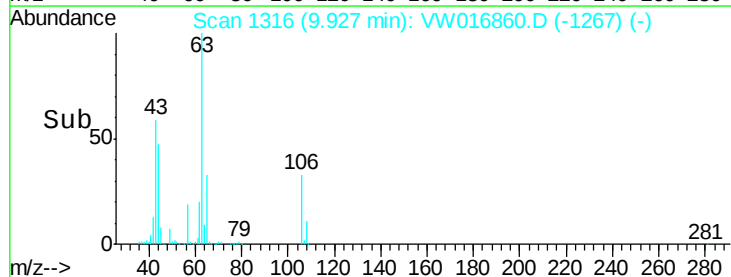
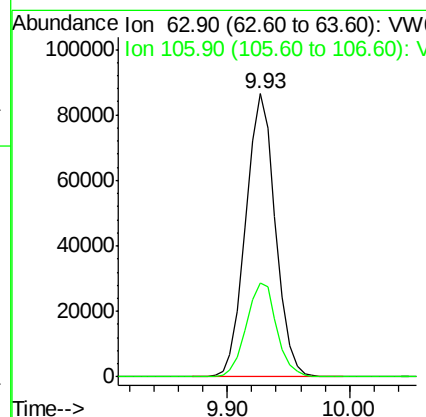
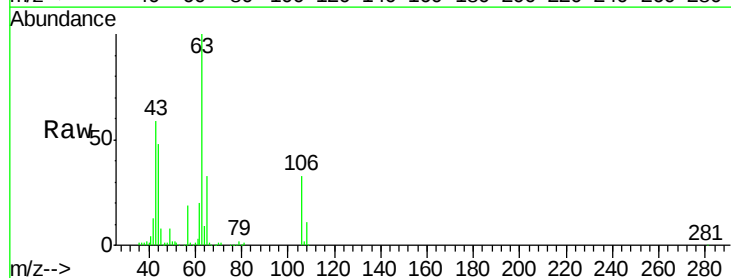
Manual Integrations
 APPROVED

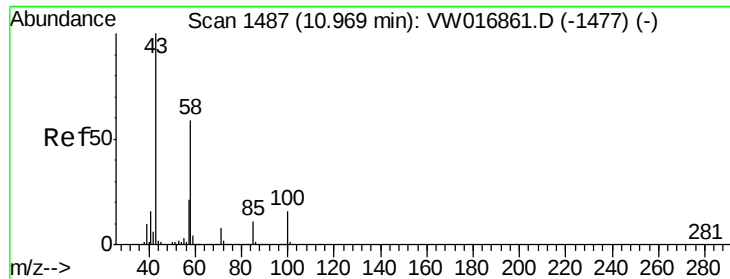
apatel
 10/12/2020 1:58:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.961 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion: 63 Resp: 145355
 Ion Ratio Lower Upper
 63 100
 106 33.8 27.0 40.4





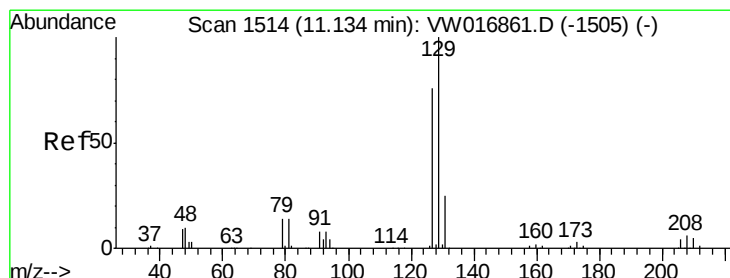
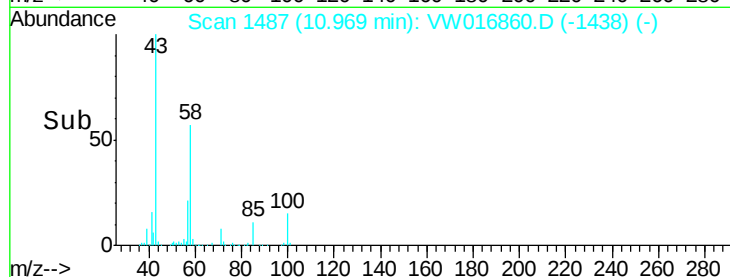
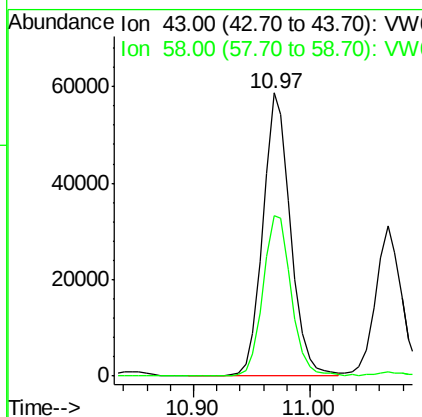
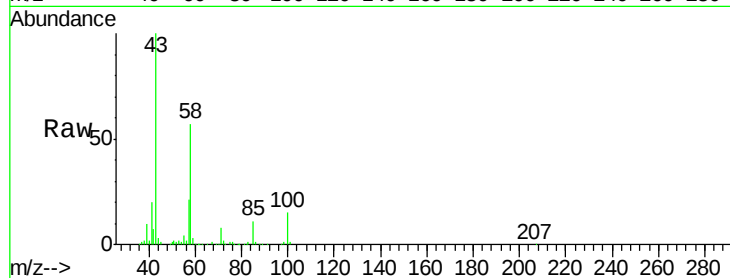
#59
2-Hexanone
Concen: 96.110 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 96791
Ion Ratio Lower Upper
43 100
58 57.9 29.5 88.5

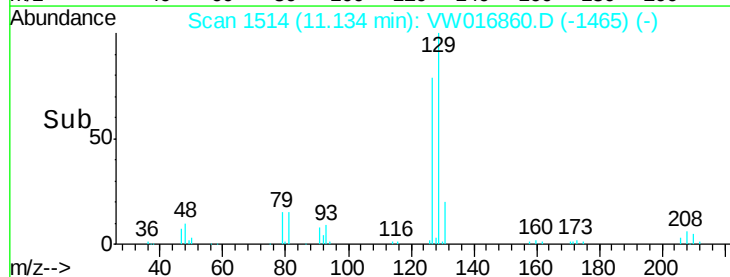
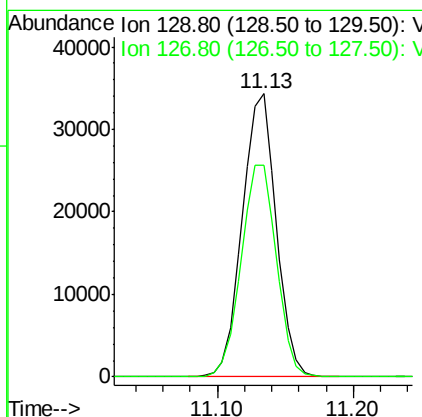
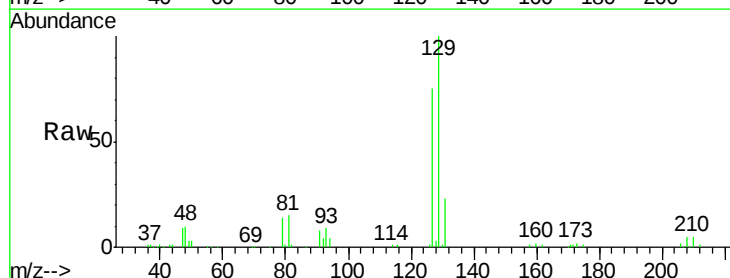
Manual Integrations
APPROVED

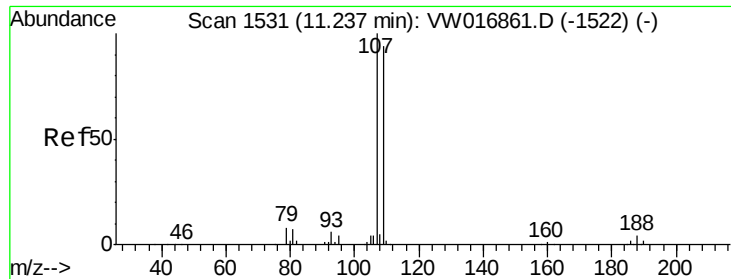
apatel
10/12/2020 1:58:45 PM



#60
Dibromochloromethane
Concen: 19.646 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion: 129 Resp: 59924
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





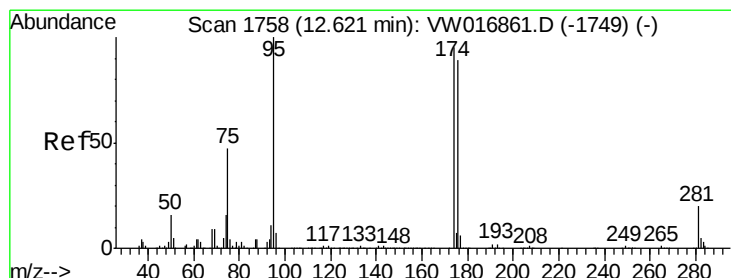
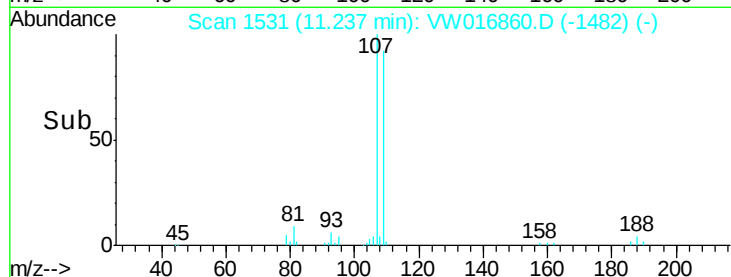
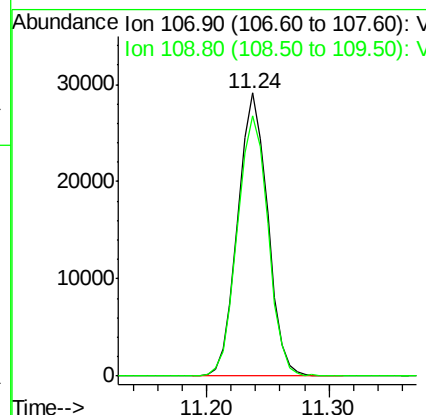
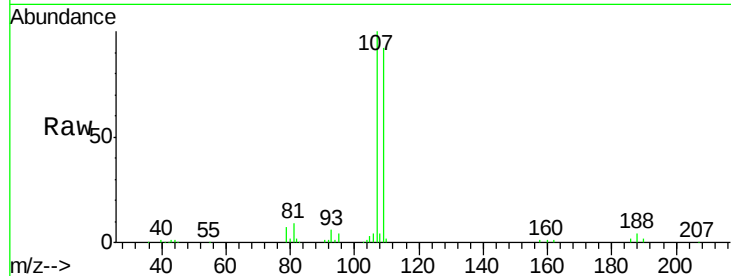
#61
 1,2-Dibromoethane
 Concen: 20.054 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.7	112.1

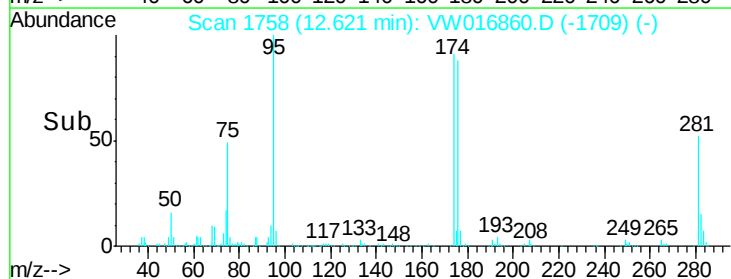
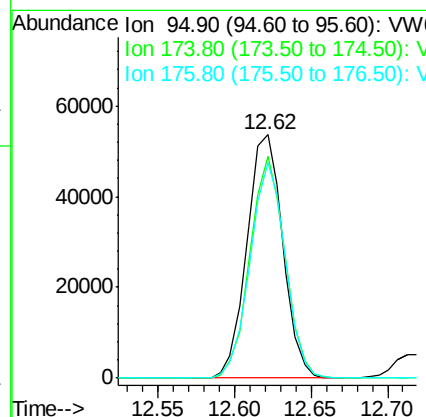
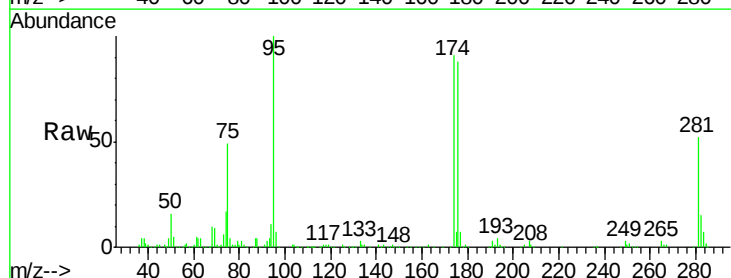
Manual Integrations
 APPROVED

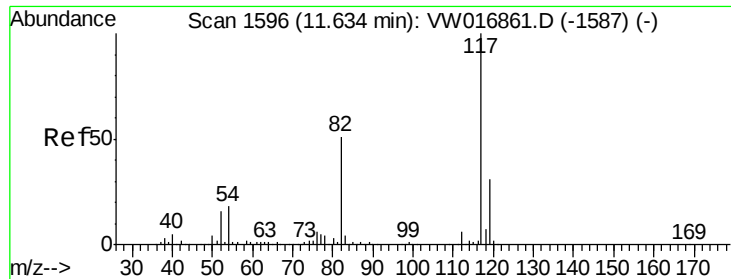
apatel
 10/12/2020 1:58:45 PM



#62
 4-Bromofluorobenzene
 Concen: 19.852 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	180.6
176	86.7	0.0	177.6





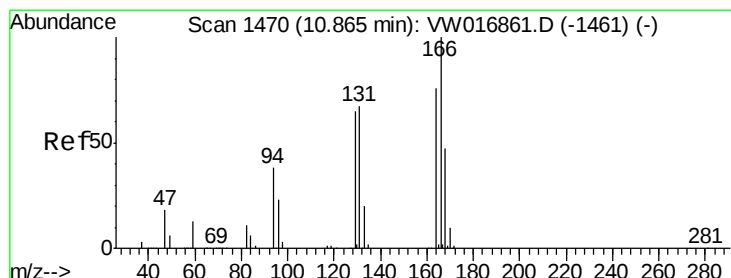
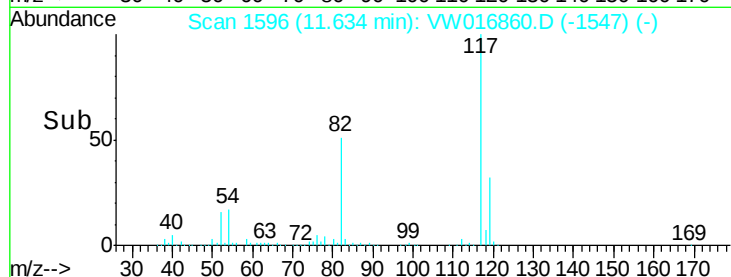
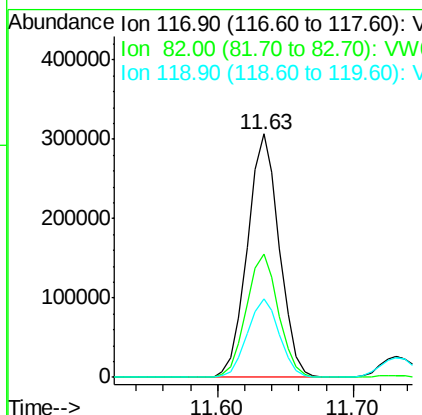
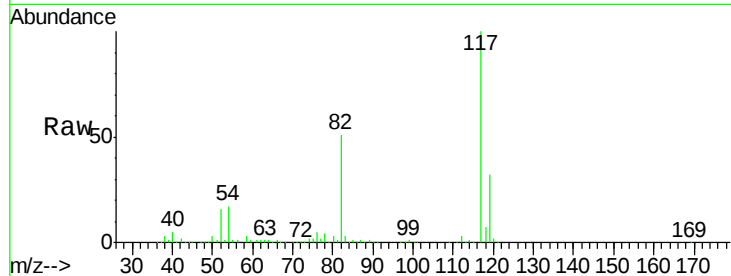
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.7	61.1
119	32.3	25.0	37.4

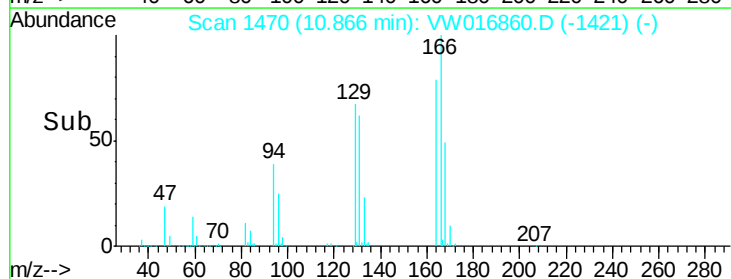
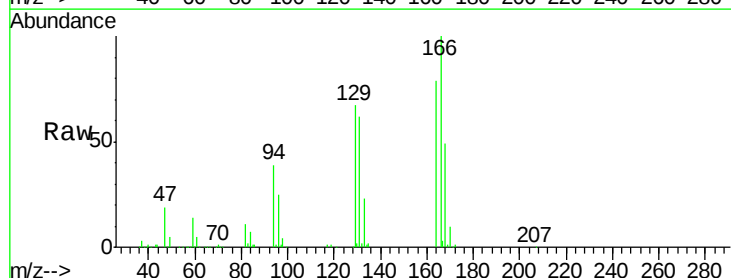
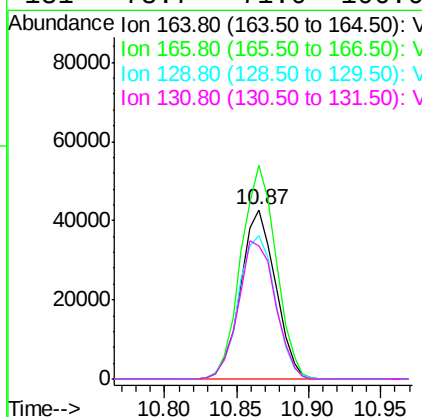
Manual Integrations
APPROVED

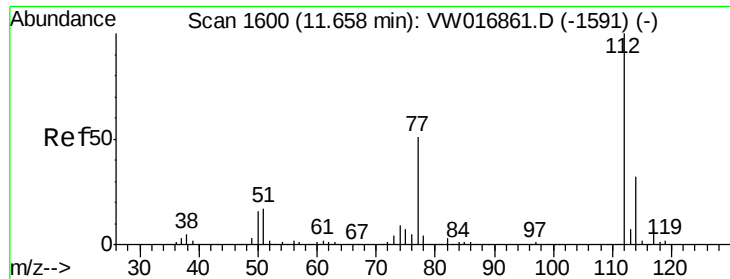
apatel
10/12/2020 1:58:45 PM



#64
Tetrachloroethene
Concen: 20.061 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	105.3	157.9
129	84.4	68.8	103.2
131	78.7	71.0	106.6





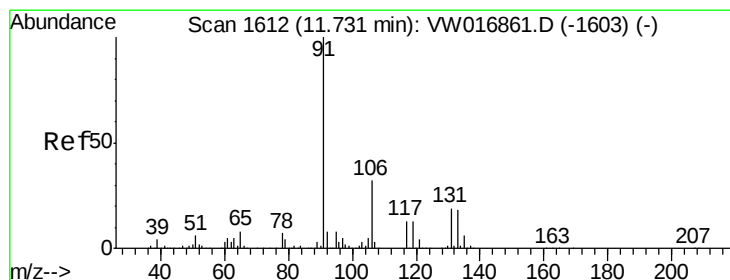
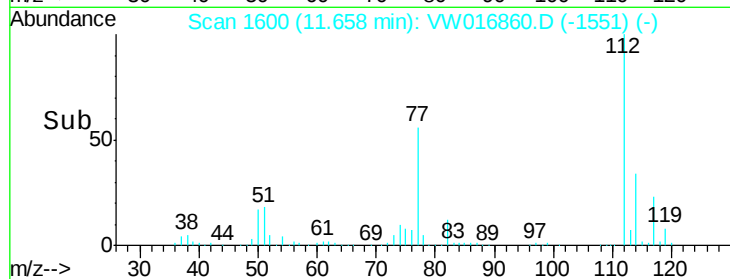
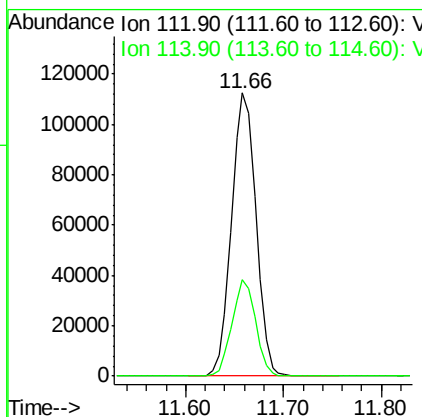
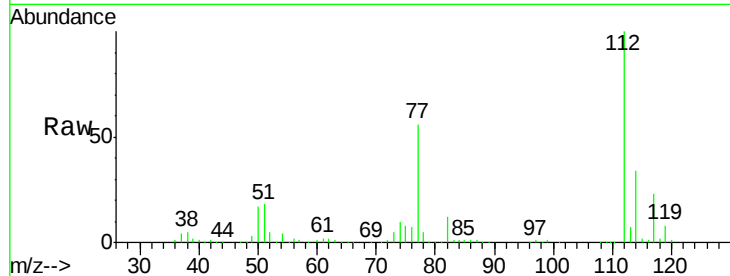
#65
Chlorobenzene
Concen: 19.831 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 195689
Ion Ratio Lower Upper
112 100
114 34.3 25.3 37.9

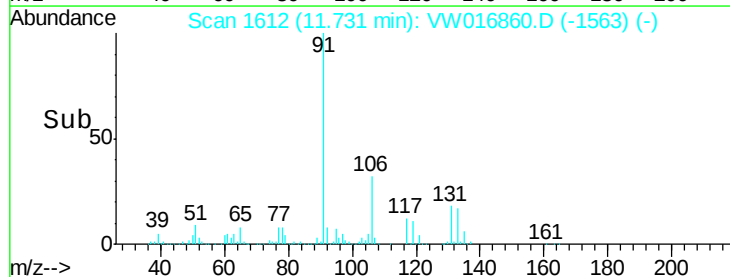
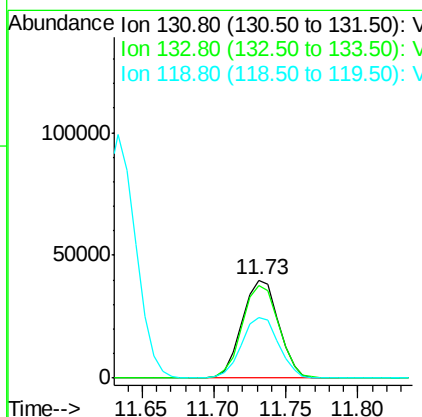
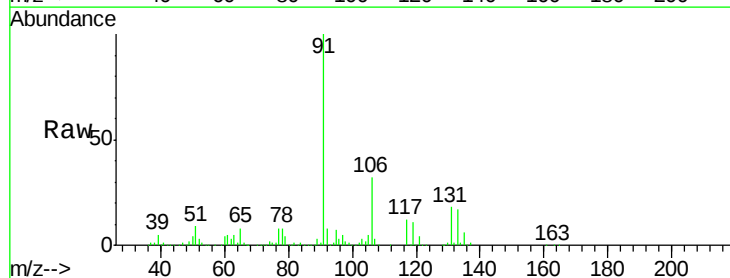
Manual Integrations
APPROVED

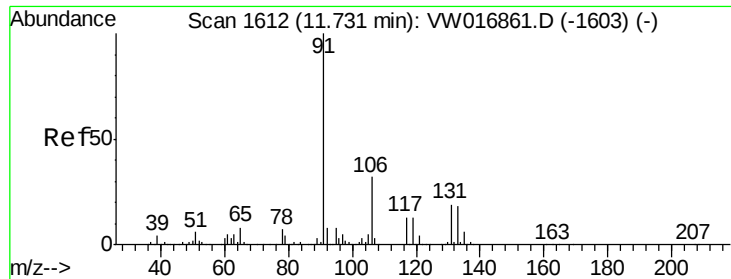
apatel
10/12/2020 1:58:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.102 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion:131 Resp: 70150
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.3
119 63.0 32.5 97.4





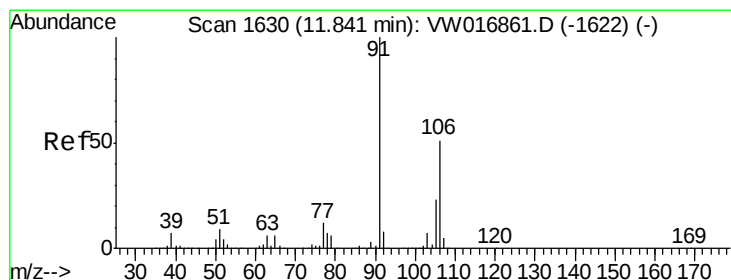
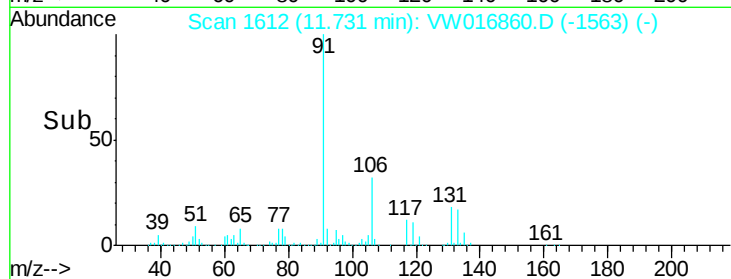
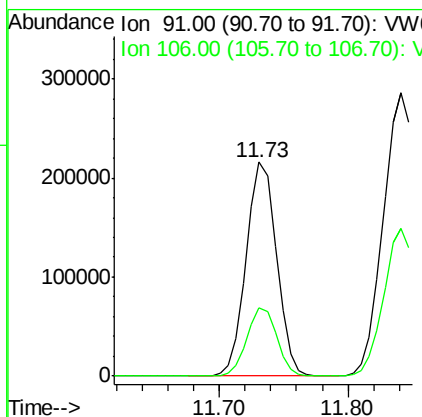
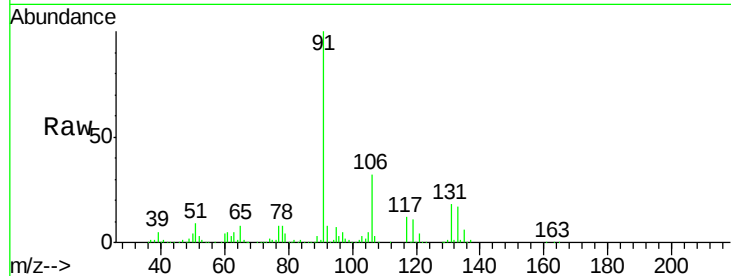
#67
Ethyl Benzene
Concen: 20.464 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 351882
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9

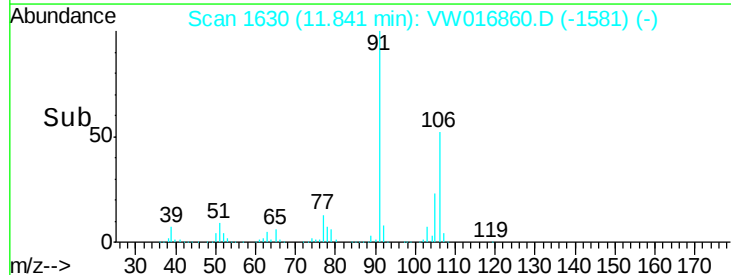
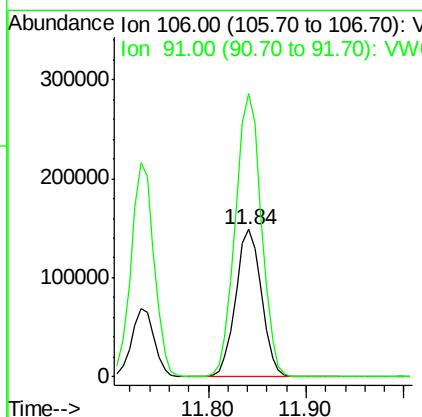
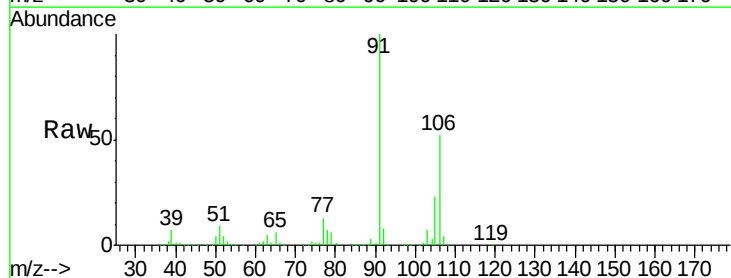
Manual Integrations
APPROVED

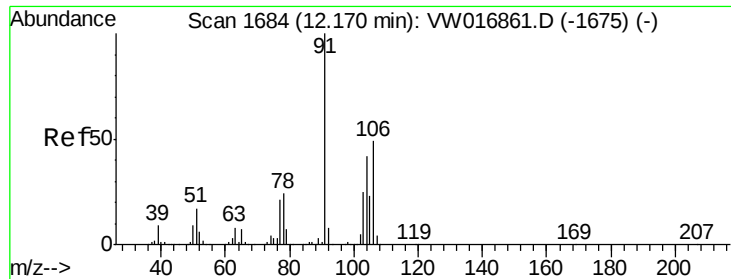
apatel
10/12/2020 1:58:45 PM



#68
m/p-Xylenes
Concen: 40.809 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion: 106 Resp: 272919
Ion Ratio Lower Upper
106 100
91 193.6 157.4 236.0





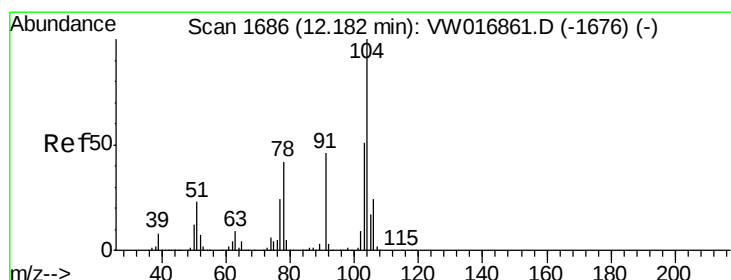
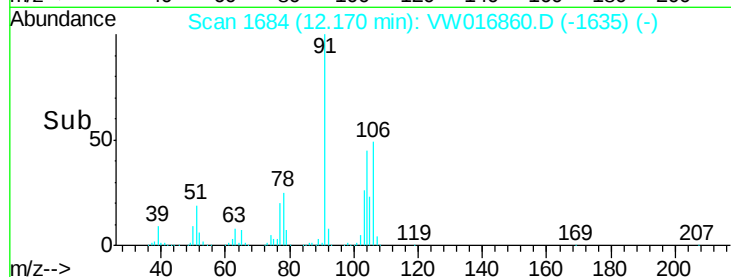
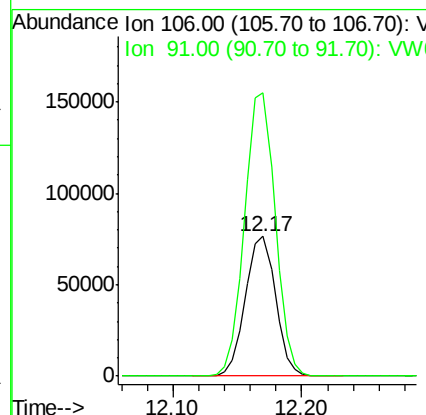
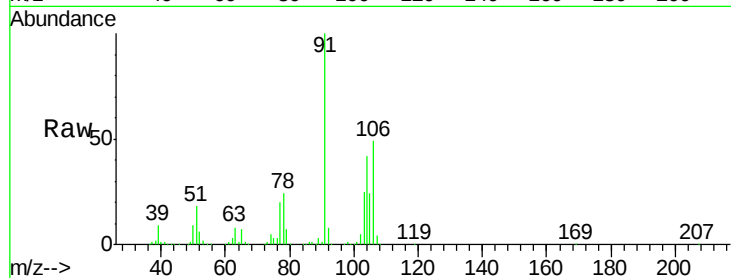
#69
o-Xylene
Concen: 20.134 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.0	103.6	310.9

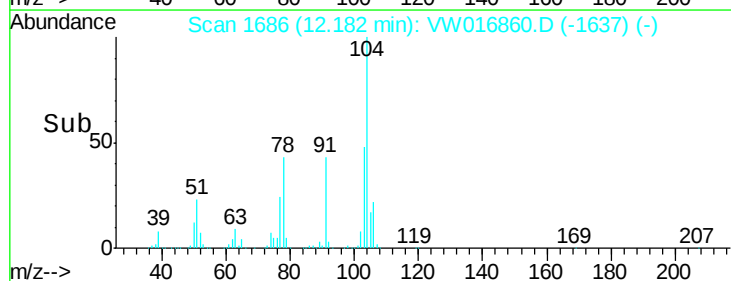
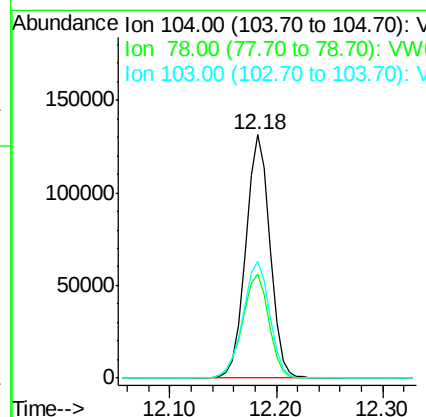
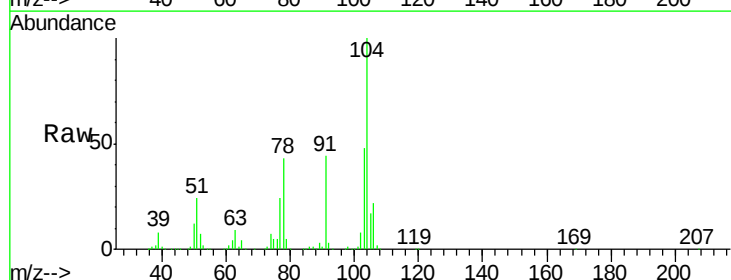
Manual Integrations
APPROVED

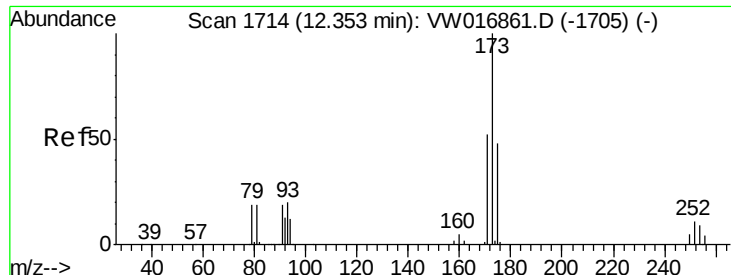
apatel
10/12/2020 1:58:45 PM



#70
Styrene
Concen: 20.572 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.6	56.4
103	53.1	43.6	65.4





#71

Bromoform

Concen: 19.349 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 33899

Ion Ratio Lower Upper

173 100

175 46.3 24.7 74.1

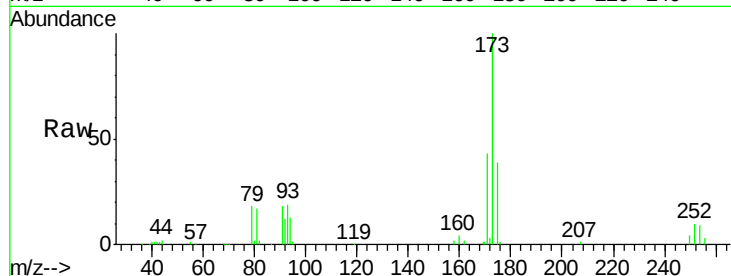
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

apatel

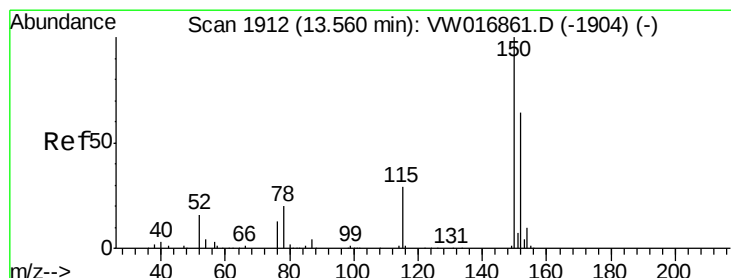
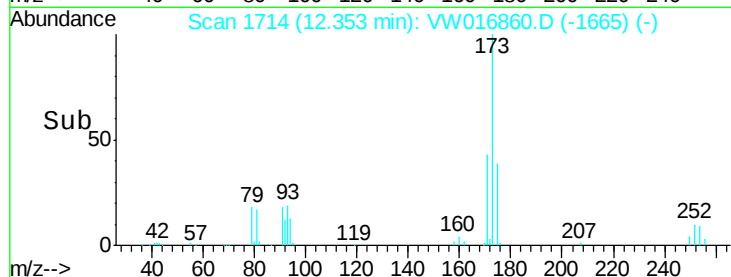
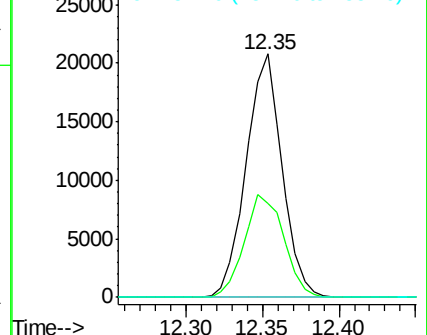
10/12/2020 1:58:45 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

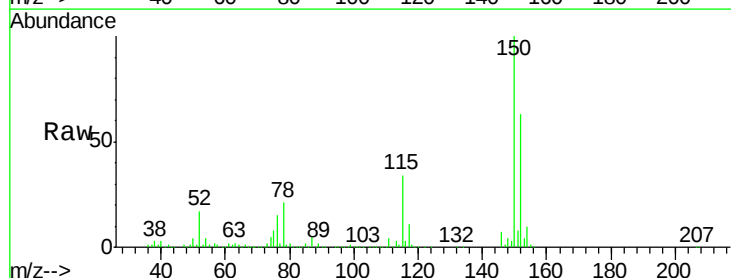
Tgt Ion:152 Resp: 258572

Ion Ratio Lower Upper

152 100

115 55.3 27.9 83.7

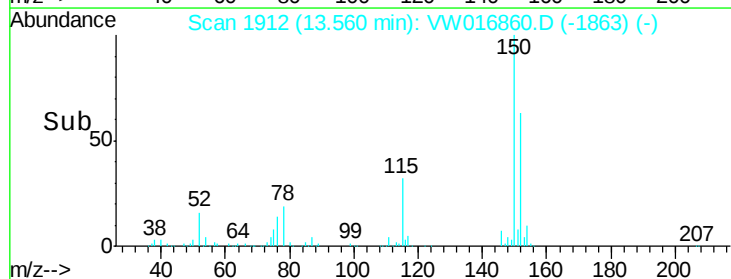
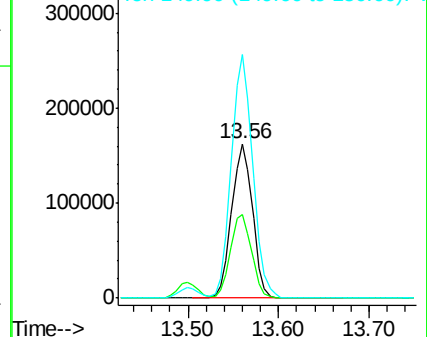
150 162.2 0.0 344.0

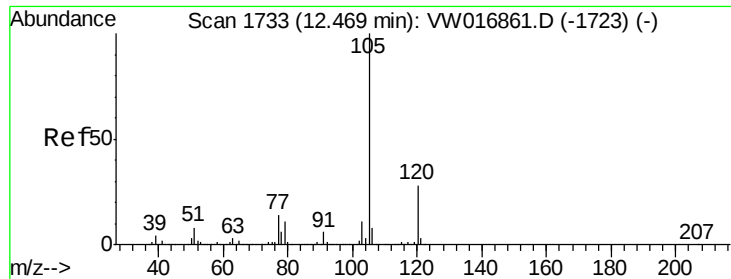


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





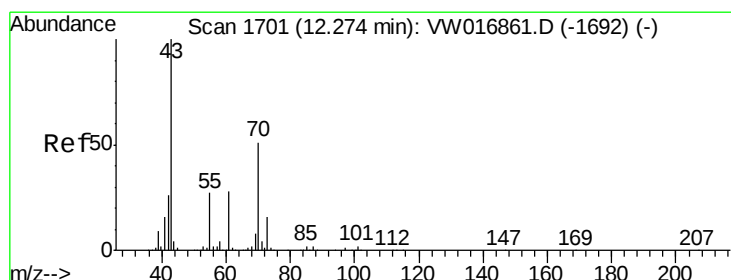
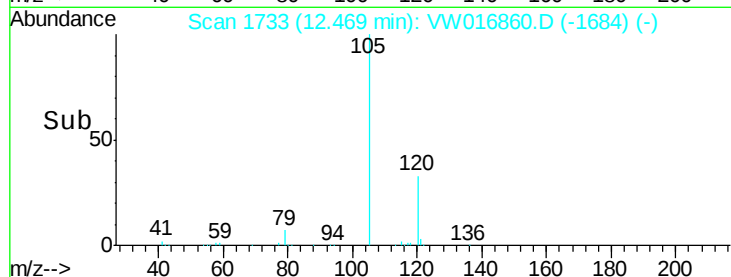
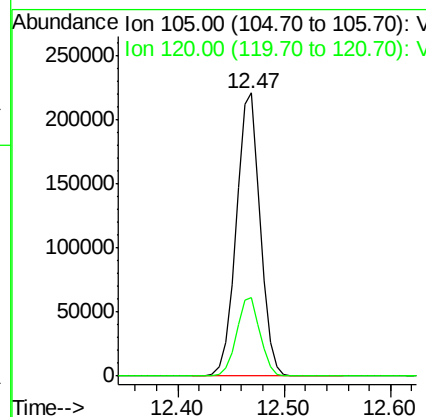
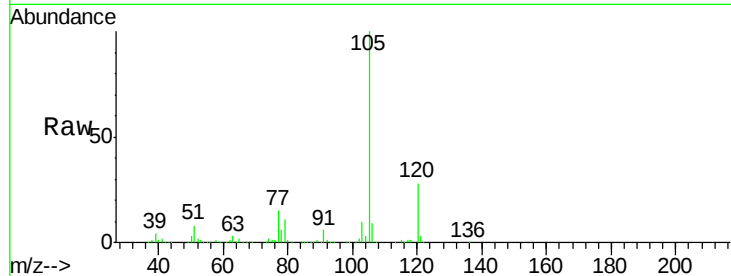
#73
Isopropylbenzene
Concen: 20.101 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.7

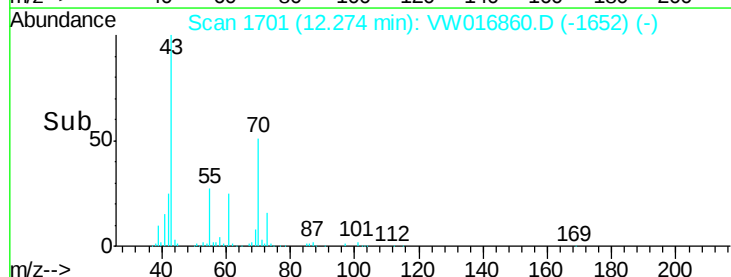
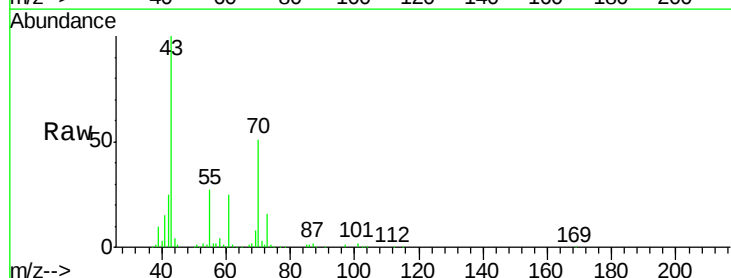
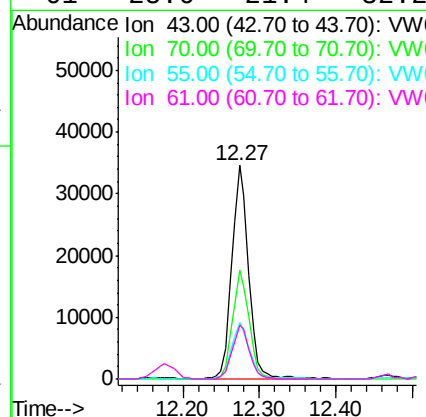
Manual Integrations
APPROVED

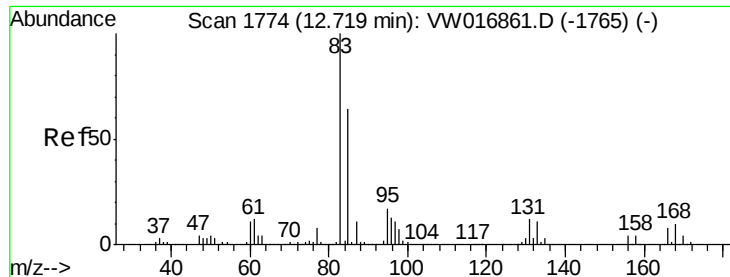
apatel
10/12/2020 1:58:45 PM



#74
N-ethyl acetate
Concen: 19.096 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.4	40.2	60.4
55	28.0	21.4	32.0
61	25.6	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.694 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

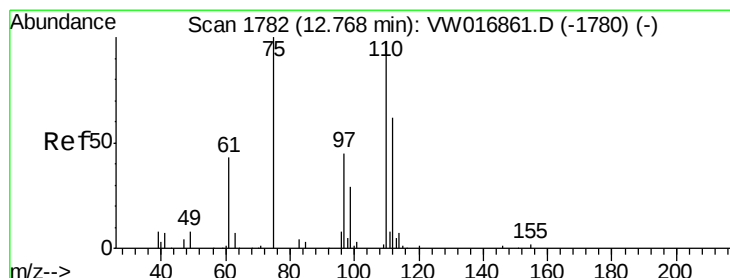
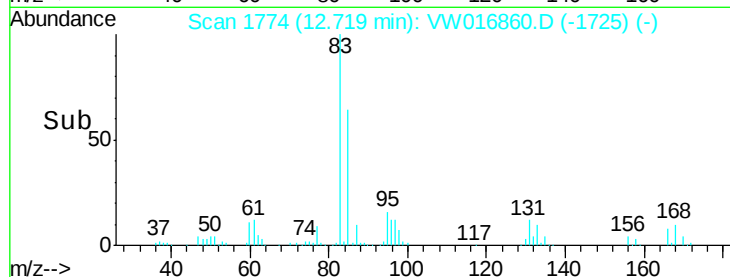
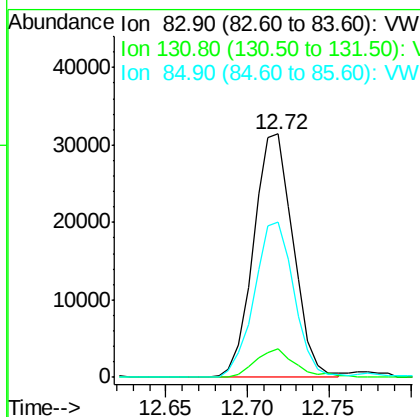
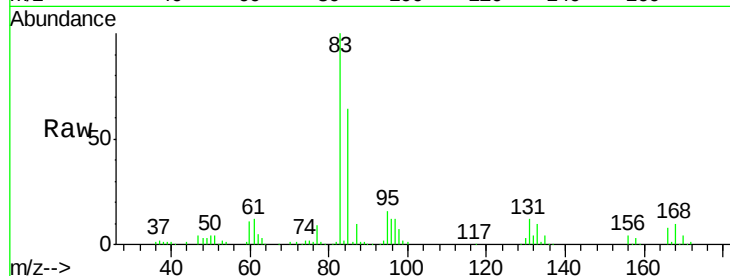
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53106
Ion	Ratio	Lower	Upper
83	100		
131	11.8	6.1	18.3
85	64.1	32.7	98.1

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM



#76

1,2,3-Trichloropropane

Concen: 21.834 ug/l m

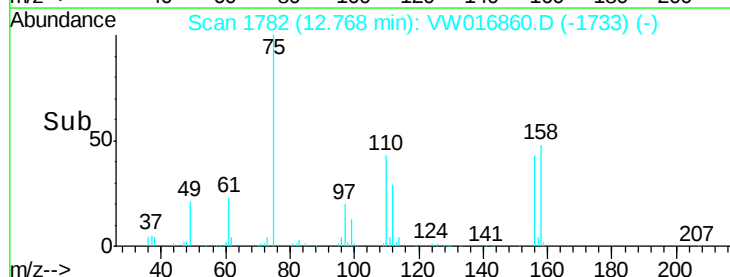
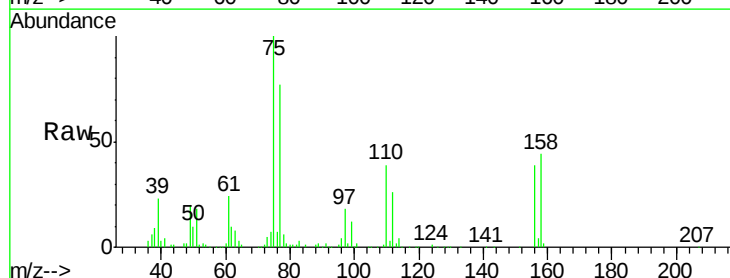
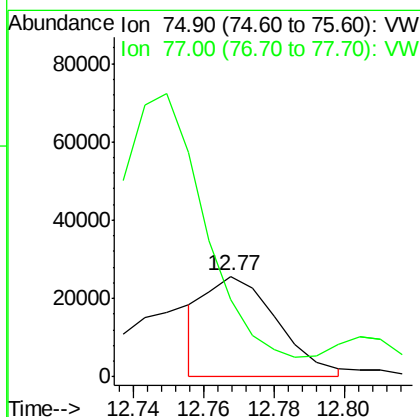
RT: 12.77 min Scan# 1782

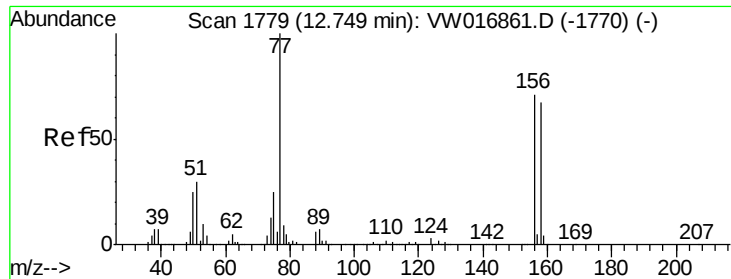
Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Tgt Ion:	75	Resp:	36421
Ion	Ratio	Lower	Upper
75	100		
77	367.4	178.8	536.3





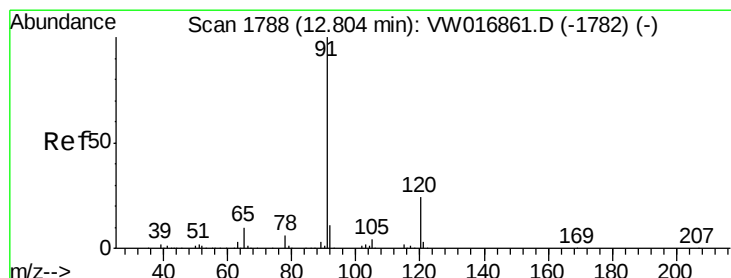
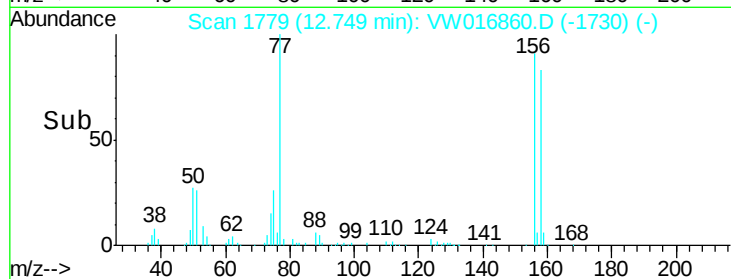
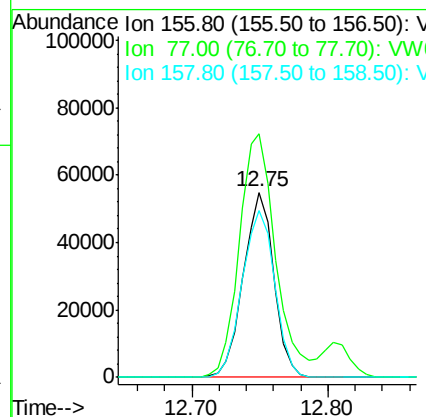
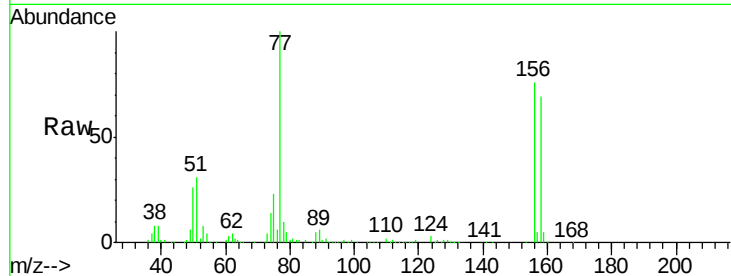
#77
Bromobenzene
Concen: 20.210 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.8	79.0	237.2
158	96.4	47.0	141.2

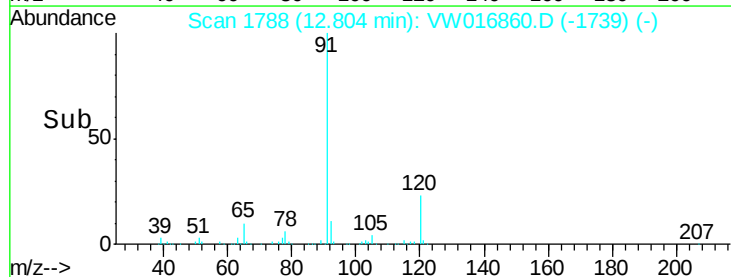
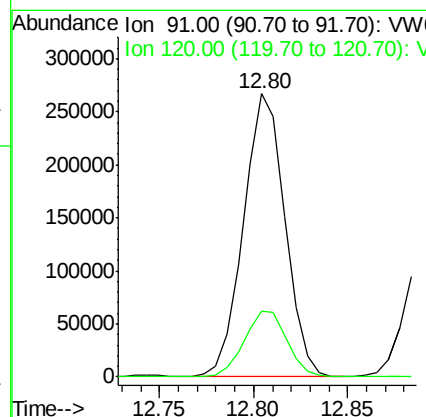
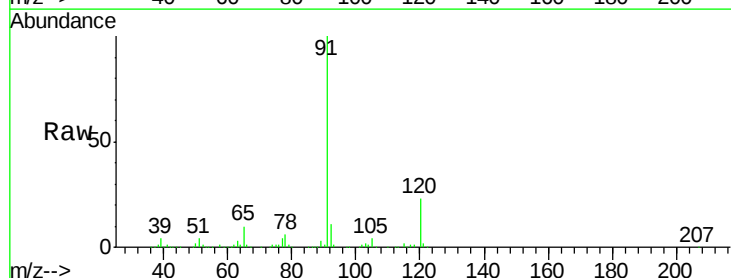
Manual Integrations
APPROVED

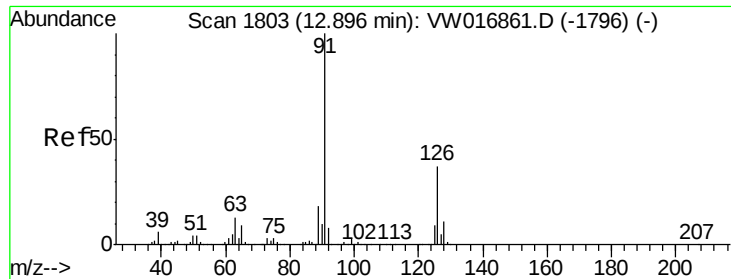
apatel
10/12/2020 1:58:45 PM



#78
n-propylbenzene
Concen: 20.452 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.1





#79

2-Chlorotoluene

Concen: 20.349 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 230076

Ion Ratio Lower Upper

91 100

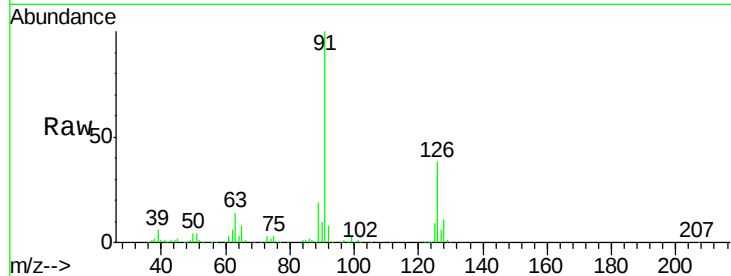
126 35.4 17.9 53.8

Manual Integrations

APPROVED

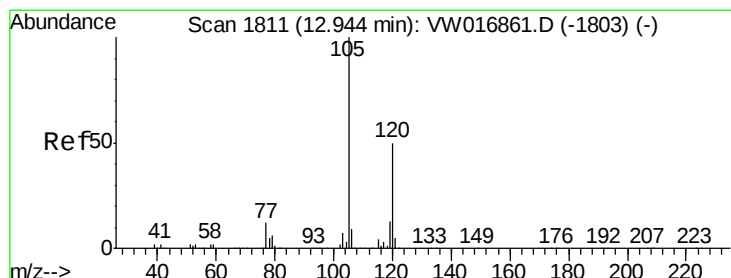
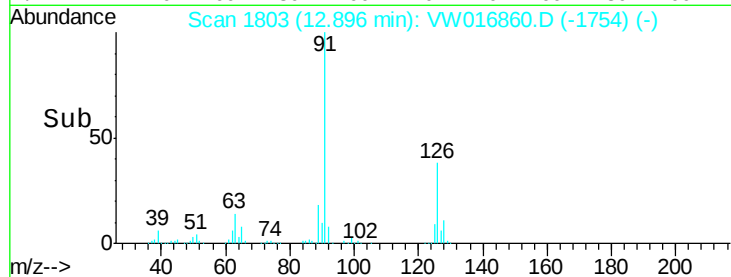
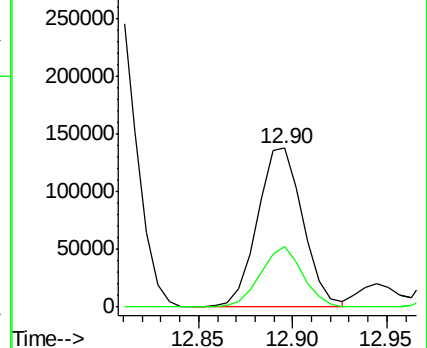
apatel

10/12/2020 1:58:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.424 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016860.D

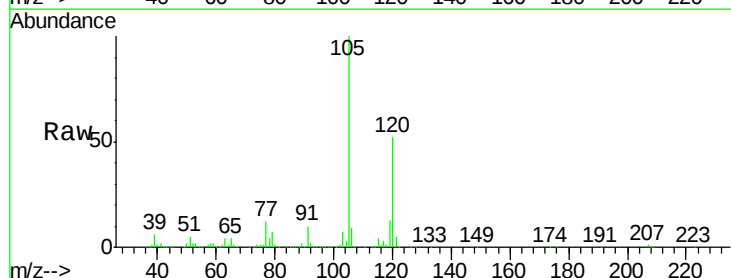
Acq: 09 Oct 2020 14:36

Tgt Ion:105 Resp: 294175

Ion Ratio Lower Upper

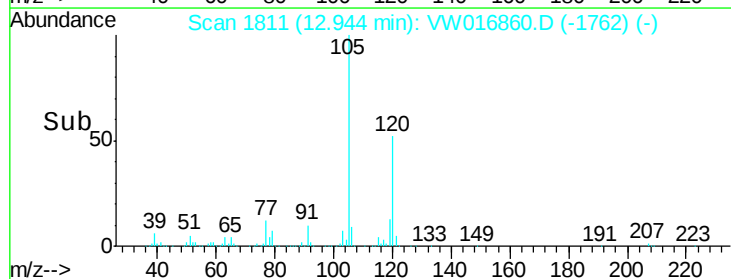
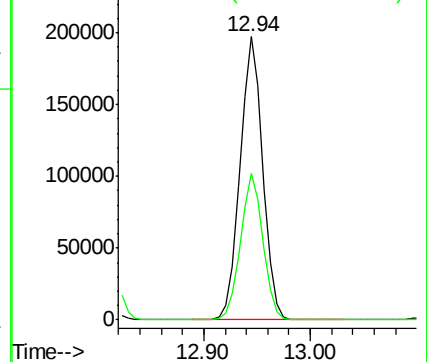
105 100

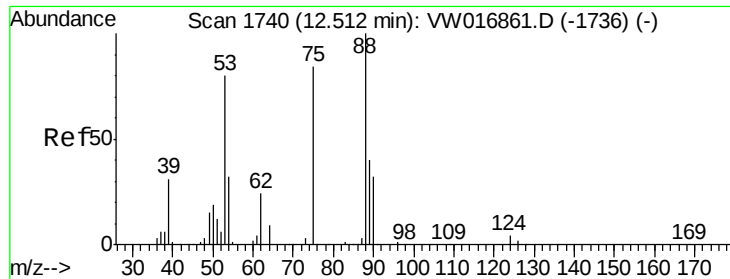
120 51.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





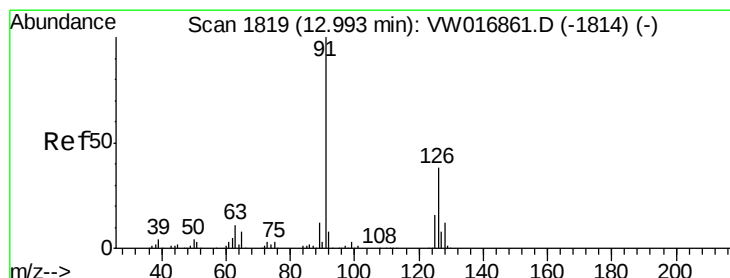
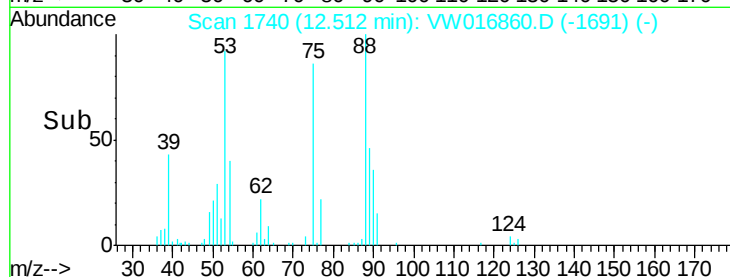
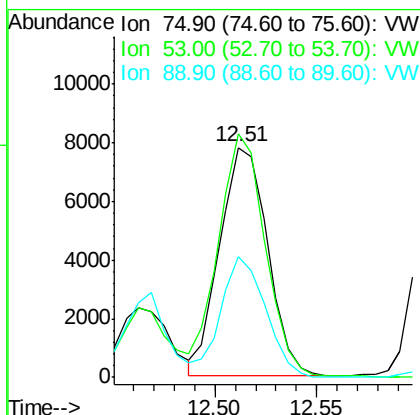
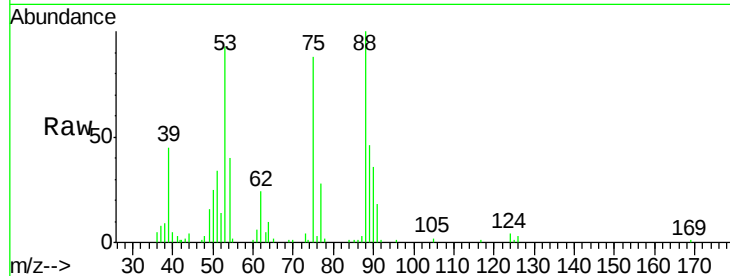
#81
trans-1,4-Dichloro-2-butene
Concen: 17.562 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	77.0	115.4
89	49.9	38.7	58.1

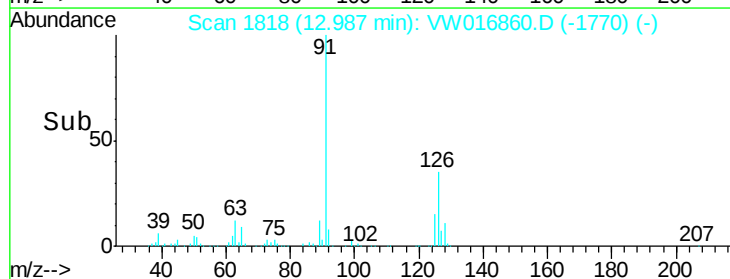
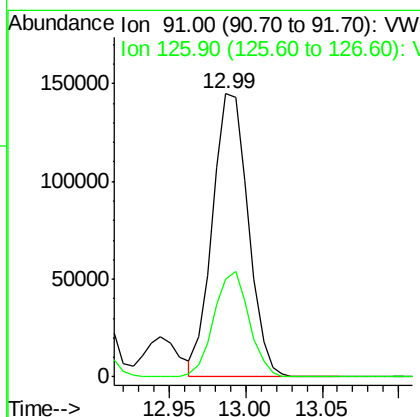
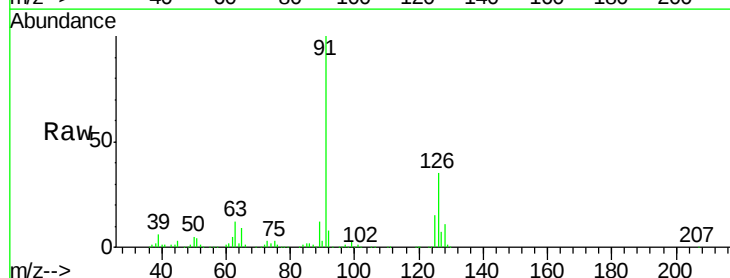
Manual Integrations
APPROVED

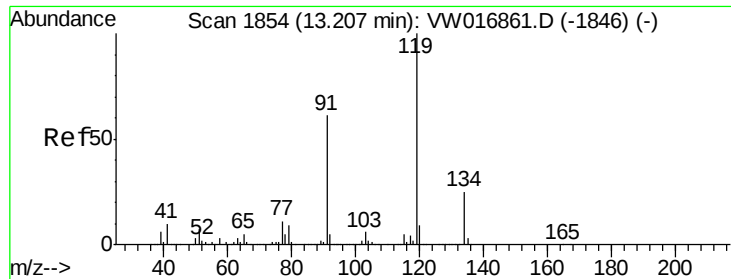
apatel
10/12/2020 1:58:45 PM



#82
4-Chlorotoluene
Concen: 20.100 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.1	54.3





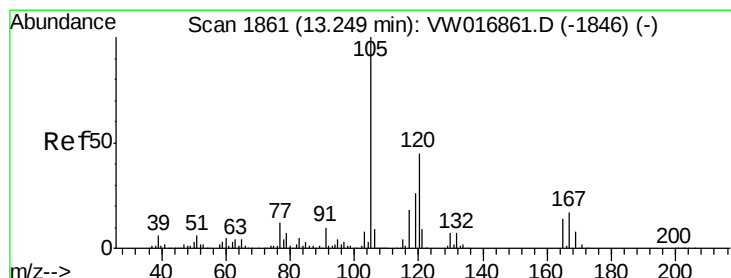
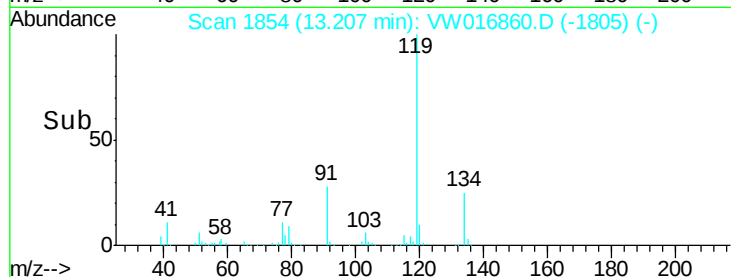
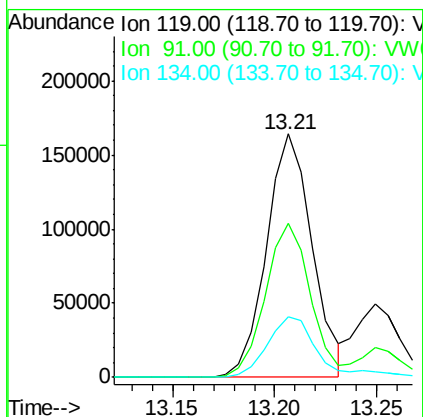
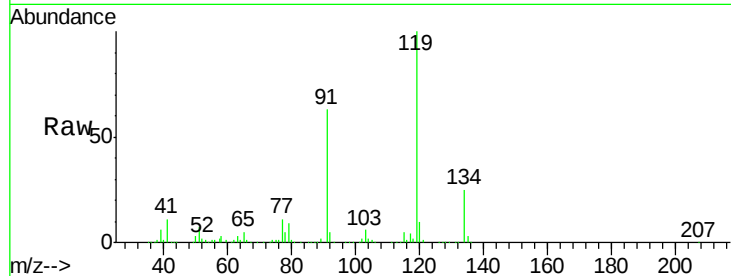
#83
tert-Butylbenzene
Concen: 20.465 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256004		
91	63.4		31.3	93.9
134	25.5		14.0	42.0

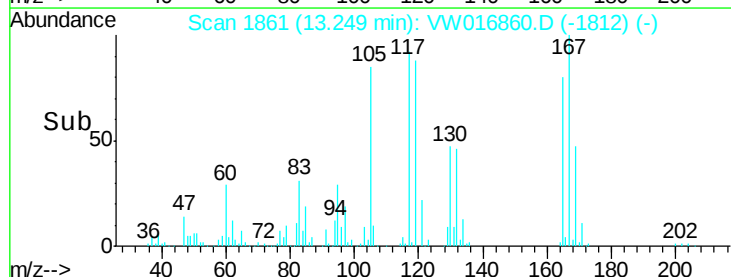
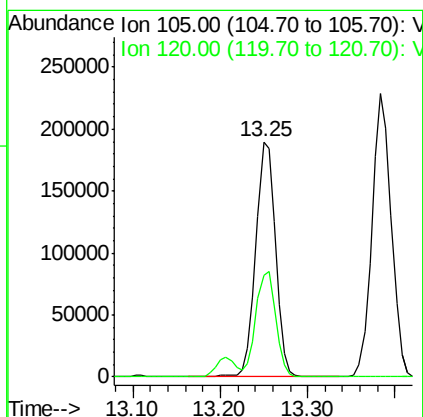
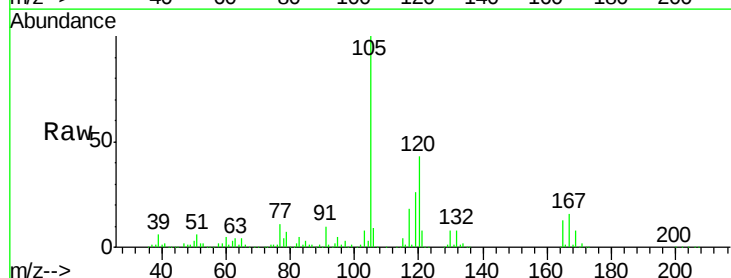
Manual Integrations
APPROVED

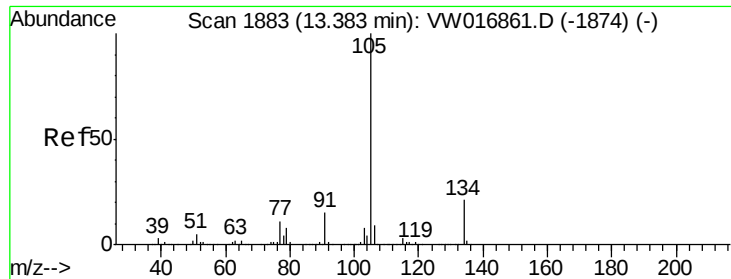
apatel
10/12/2020 1:58:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.729 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297495		
120	45.2		23.4	70.0





#85

sec-Butylbenzene

Concen: 20.174 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC020

Tot Ion:105 Resp: 351285

Ion Ratio Lower Upper

105 100

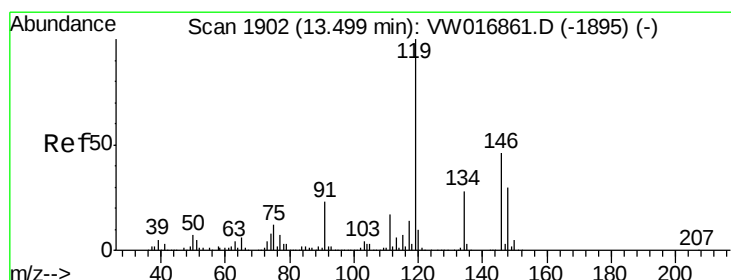
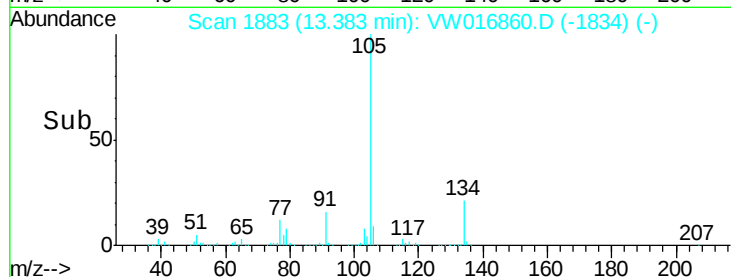
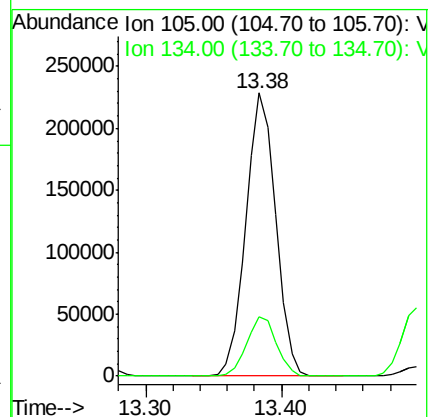
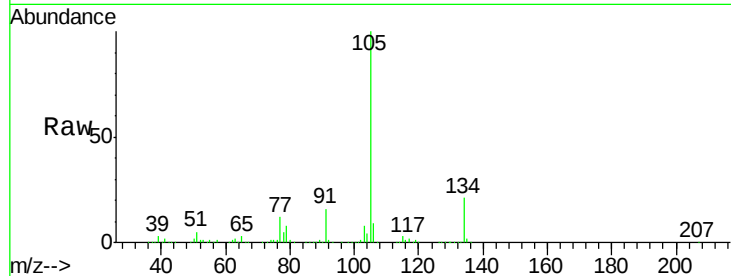
134 21.1 10.6 31.8

Manual Integrations

APPROVED

apatel

10/12/2020 1:58:45 PM



#86

p-Isopropyltoluene

Concen: 20.485 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016860.D

Acq: 09 Oct 2020 14:36

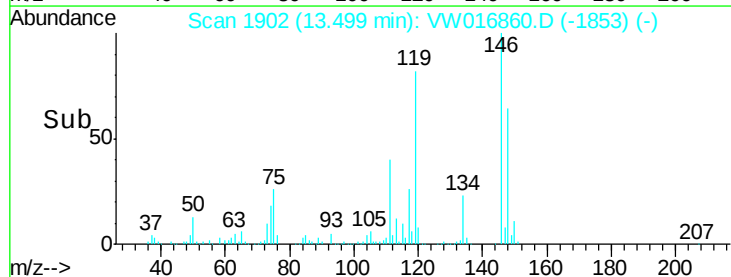
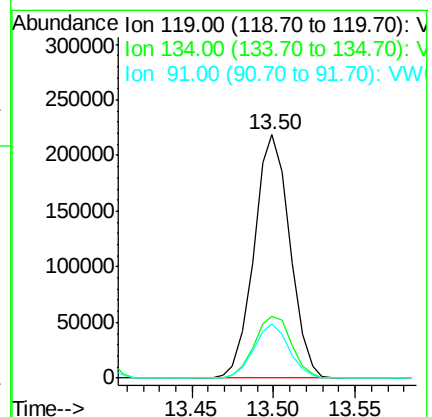
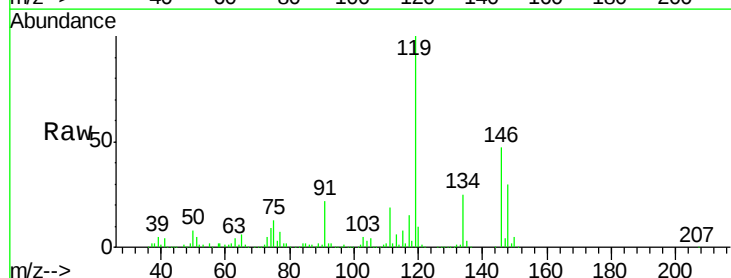
Tgt Ion:119 Resp: 332136

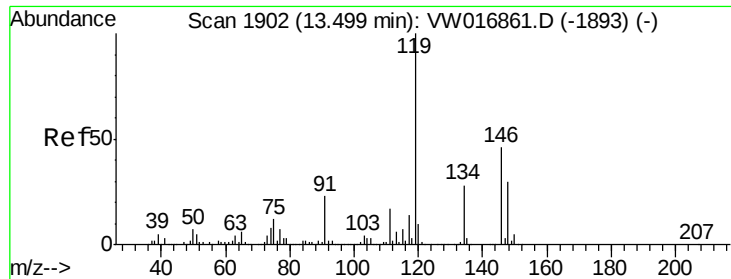
Ion Ratio Lower Upper

119 100

134 26.5 13.8 41.3

91 22.0 11.3 33.9





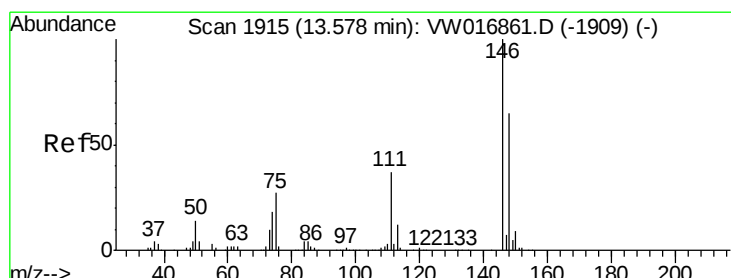
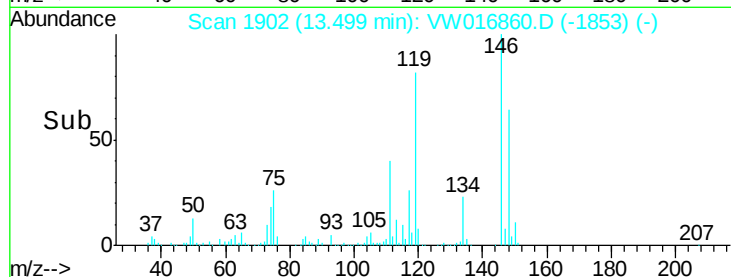
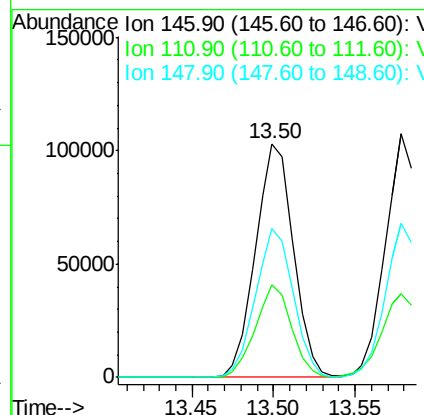
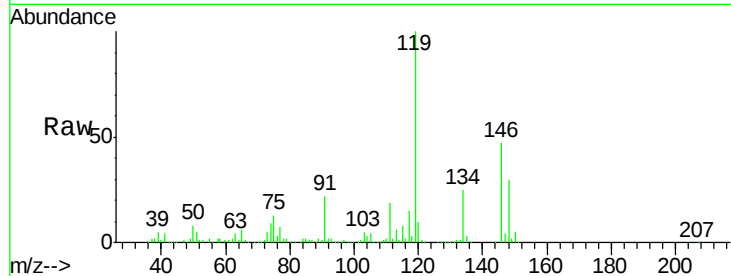
#87
 1,3-Dichlorobenzene
 Concen: 20.246 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166332		
111	37.8	19.1	57.5	
148	63.4	32.5	97.4	

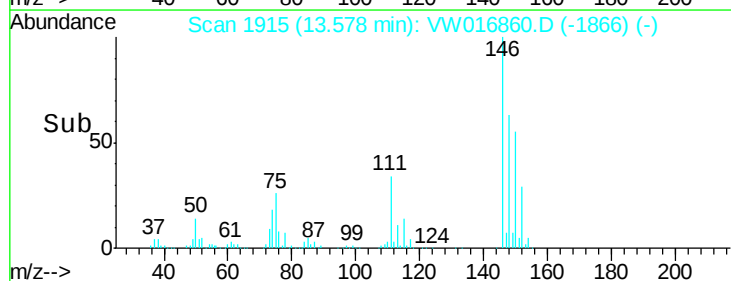
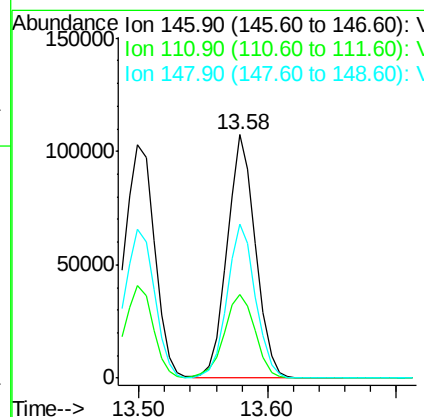
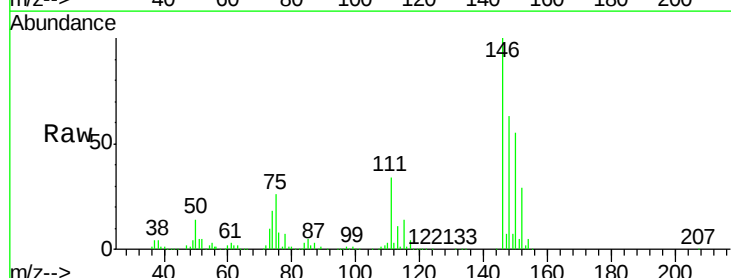
Manual Integrations
 APPROVED

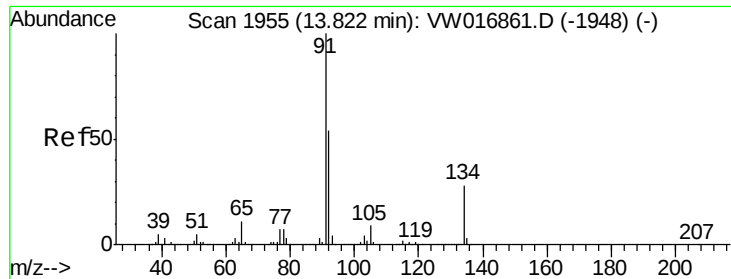
apatel
 10/12/2020 1:58:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.546 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166340		
111	37.6	18.5	55.5	
148	63.1	31.8	95.4	





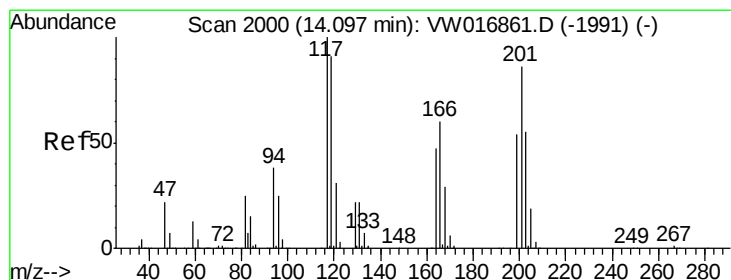
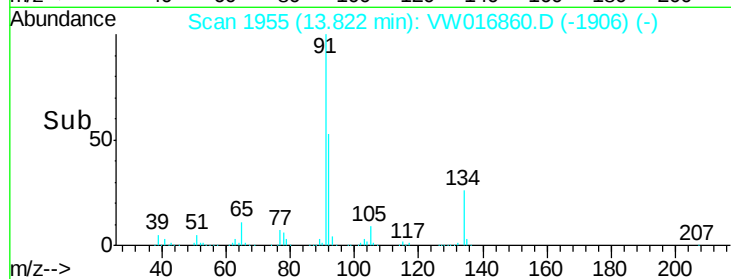
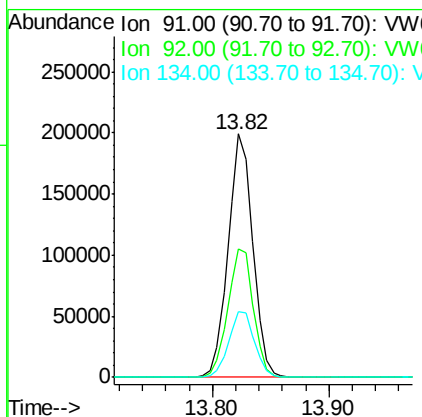
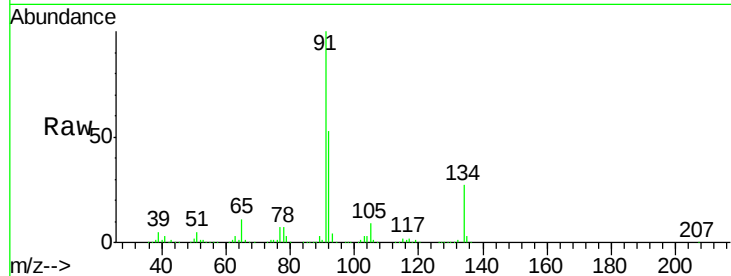
#89
n-Butylbenzene
Concen: 20.063 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	293059		
92	54.5	26.6	79.7	
134	28.1	14.3	42.9	

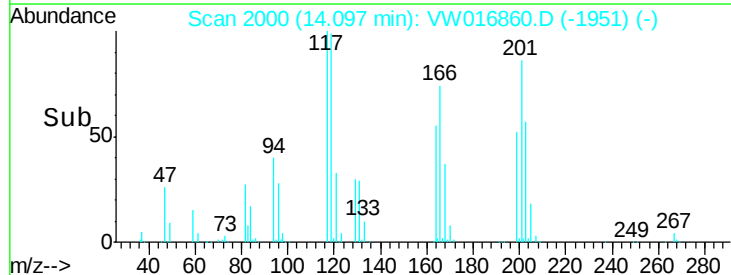
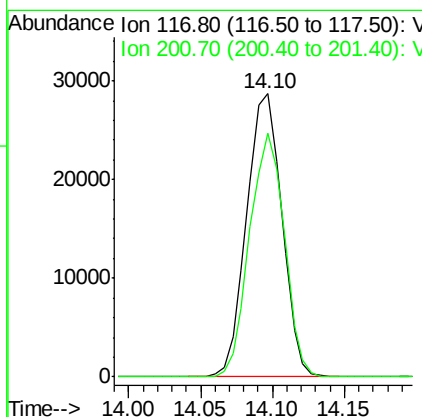
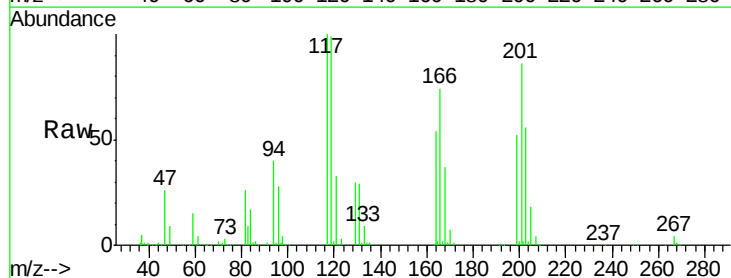
Manual Integrations
APPROVED

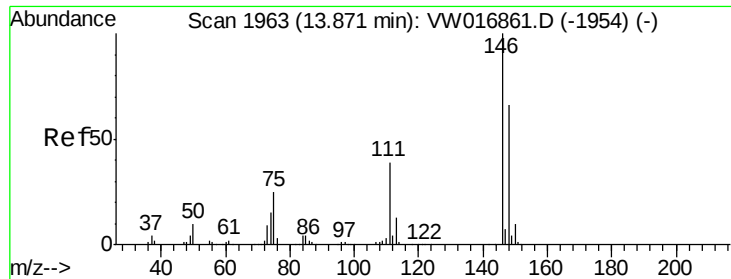
apatel
10/12/2020 1:58:45 PM



#90
Hexachloroethane
Concen: 19.476 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48725		
201	84.3	41.9	125.7	





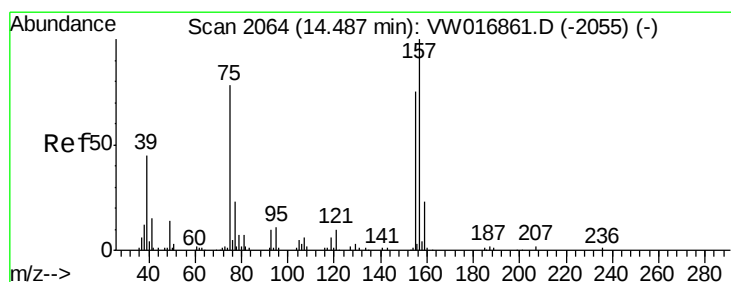
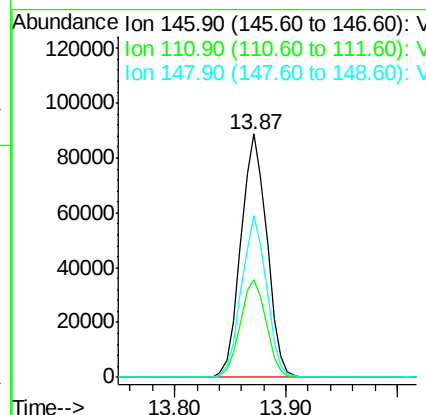
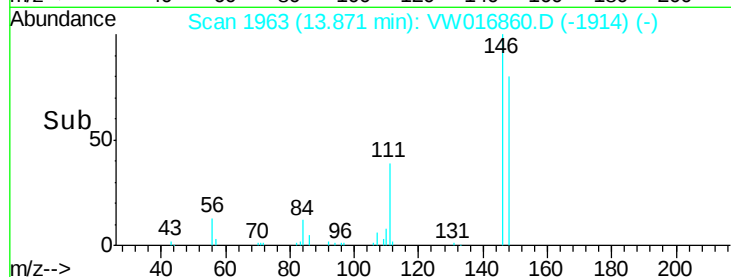
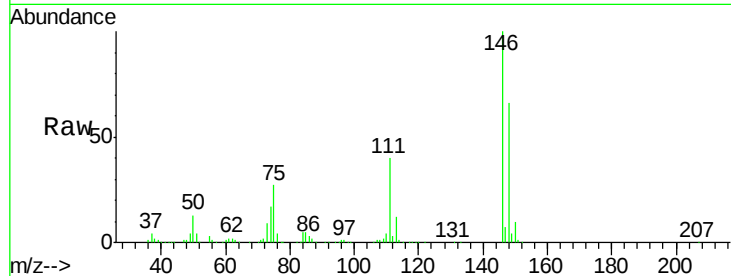
#91
 1,2-Dichlorobenzene
 Concen: 20.221 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	64.0	33.1	99.3

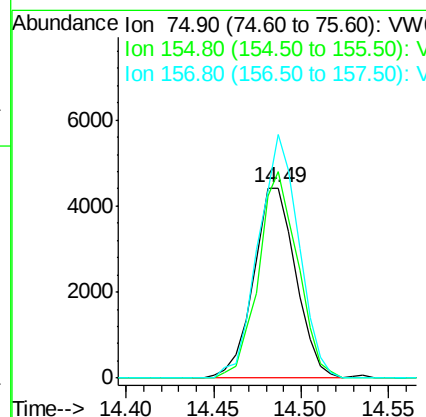
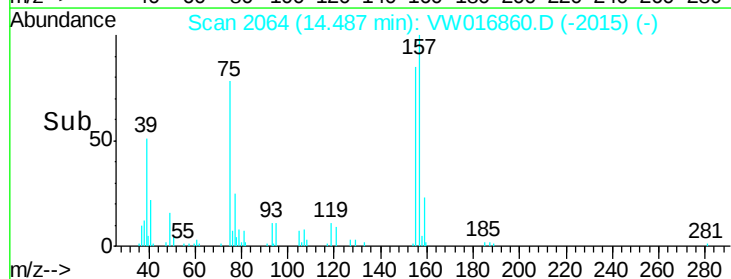
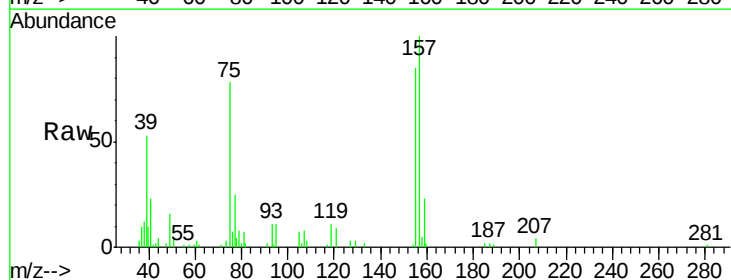
Manual Integrations
 APPROVED

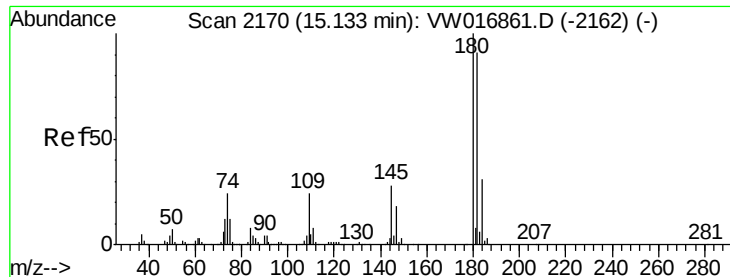
apatel
 10/12/2020 1:58:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.937 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016860.D
 Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	47.6	142.8
157	122.4	62.2	186.6





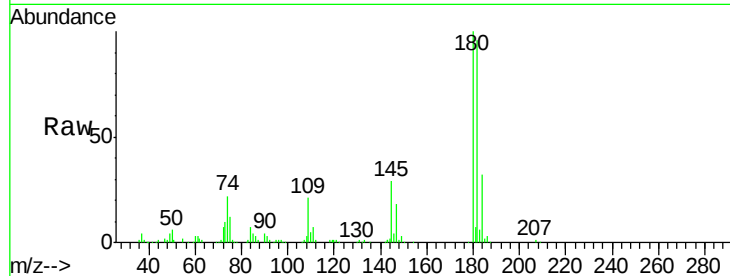
#93
1,2,4-Trichlorobenzene
Concen: 19.752 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

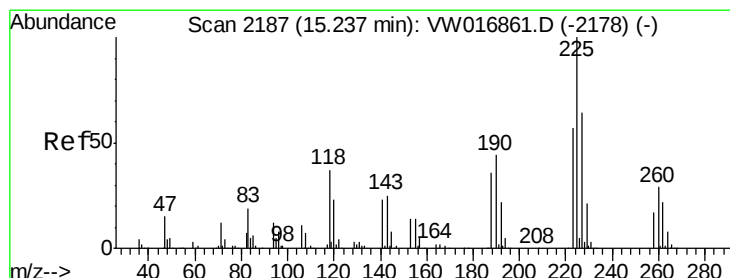
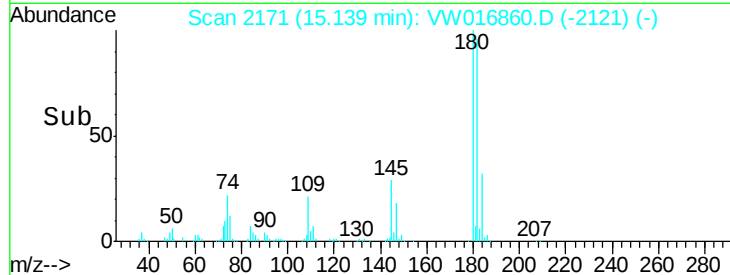
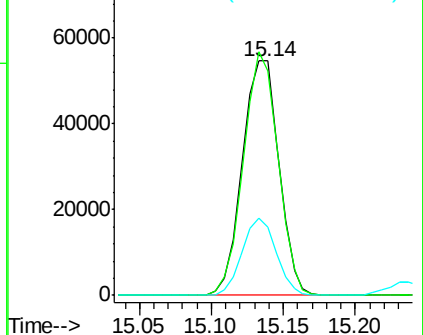
Tot Ion	Ratio	Resp	Lower	Upper
180	100	96604		
182	98.0	48.3	144.9	
145	30.7	14.9	44.5	

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM

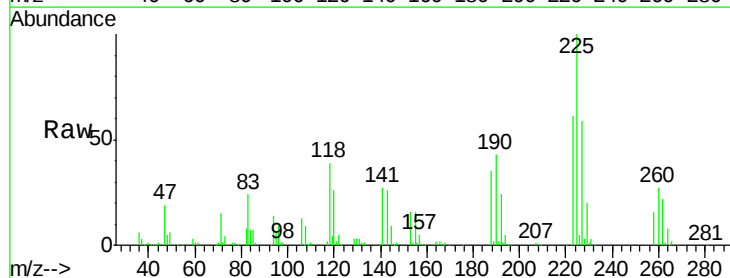


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

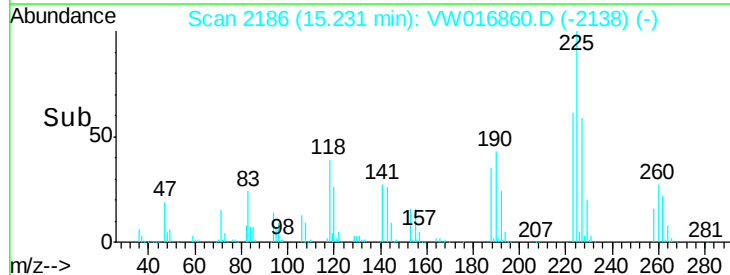
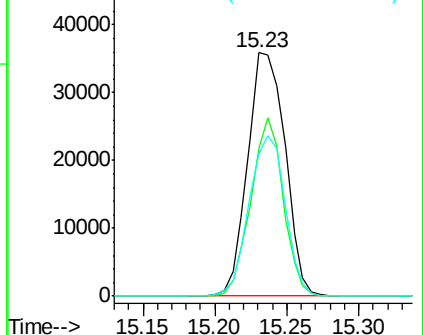


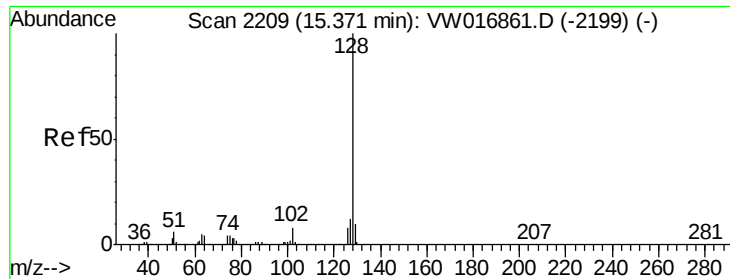
#94
Hexachlorobutadiene
Concen: 20.348 ug/l
RT: 15.23 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64513		
223	63.3	31.9	95.7	
227	63.4	33.0	99.0	



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





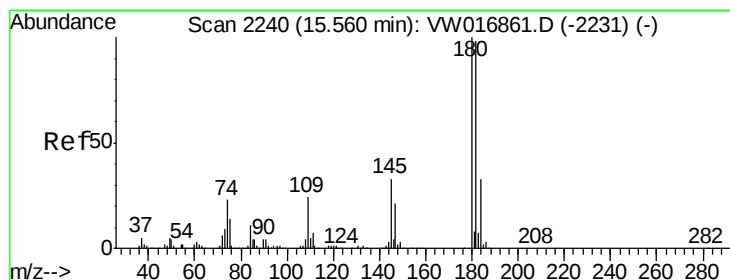
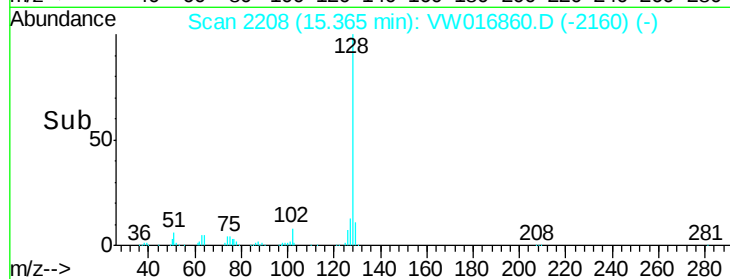
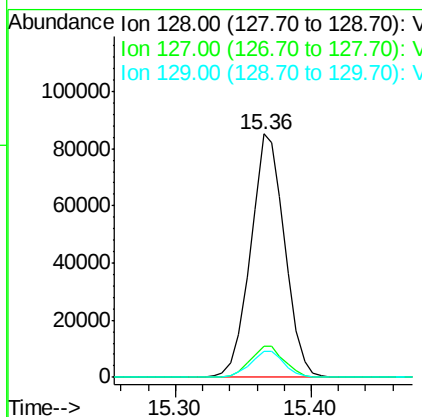
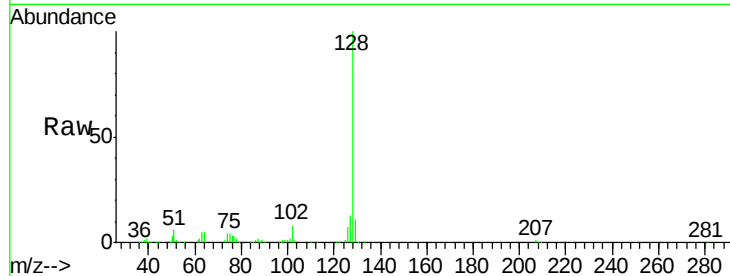
#95
Naphthalene
Concen: 18.779 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

apatel
10/12/2020 1:58:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.513 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016860.D
Acq: 09 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	49.4	148.2
145	30.6	16.3	48.9

