

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014523.D
 Acq On : 06 Jan 2020 15:03
 Operator : SY/VA
 Sample : VW0106SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sample ID :
 VW0106SBS01

Manual Integrations
 APPROVED

apatel
 1/7/2020 10:27:52 AM

Quant Time: Jan 07 03:07:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	788524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1180484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1026462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	510560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	348787	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.88	113	333391	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.32	98	1380996	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.62	95	469802	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	94995	21.337	ug/l	97
3) Chloromethane	2.21	50	114935	21.091	ug/l	99
4) Vinyl Chloride	2.36	62	168691	21.046	ug/l	97
5) Bromomethane	2.78	94	100409	20.279	ug/l	96
6) Chloroethane	2.92	64	91616	20.051	ug/l	99
7) Trichlorofluoromethane	3.25	101	82304	20.523	ug/l	95
8) Diethyl Ether	3.68	74	76515	19.176	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	150816	20.127	ug/l	99
10) Methyl Iodide	4.26	142	216841	19.179	ug/l	98
11) Tert butyl alcohol	5.16	59	60614	100.297	ug/l	99
12) 1,1-Dichloroethene	4.04	96	153128	19.514	ug/l	98
13) Acrolein	3.89	56	61717	102.566	ug/l	96
14) Allyl chloride	4.66	41	233668	19.486	ug/l	99
15) Acrylonitrile	5.36	53	186715	102.371	ug/l	98
16) Acetone	4.12	43	189773	97.485	ug/l	98
17) Carbon Disulfide	4.38	76	468415	19.805	ug/l	100
18) Methyl Acetate	4.67	43	95088	20.225	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	195198	20.039	ug/l	97
20) Methylene Chloride	4.91	84	184460	20.788	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	160081	19.213	ug/l	97
22) Diisopropyl ether	6.31	45	457331	20.376	ug/l	97
23) Vinyl Acetate	6.25	43	1350578	99.648	ug/l	99
24) 1,1-Dichloroethane	6.21	63	279896	19.770	ug/l	97
25) 2-Butanone	7.17	43	252522	101.080	ug/l	98
26) 2,2-Dichloropropane	7.17	77	159620	20.364	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	167785	19.164	ug/l	95
28) Bromochloromethane	7.51	49	105453	18.998	ug/l #	94
29) Tetrahydrofuran	7.52	42	153287	99.043	ug/l	99
30) Chloroform	7.67	83	263970	19.938	ug/l	100
31) Cyclohexane	7.95	56	286597	19.478	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	215117	20.202	ug/l	99
36) 1,1-Dichloropropene	8.08	75	227575	19.997	ug/l	99
37) Ethyl Acetate	7.25	43	106428	20.620	ug/l	99
38) Carbon Tetrachloride	8.07	117	196931	19.946	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014523.D
 Acq On : 06 Jan 2020 15:03
 Operator : SY/VA
 Sample : VW0106SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0106SBS01

Manual Integrations
 APPROVED

apatel
 1/7/2020 10:27:52 AM

Quant Time: Jan 07 03:07:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	280266	19.190	ug/l	97
40) Benzene	8.32	78	635238	19.728	ug/l	100
41) Methacrylonitrile	7.48	41	60524	21.036	ug/l	94
42) 1,2-Dichloroethane	8.40	62	169467	20.281	ug/l	98
43) Isopropyl Acetate	8.42	43	184990	19.738	ug/l	99
44) Trichloroethene	9.09	130	168257	19.311	ug/l	94
45) 1,2-Dichloropropane	9.37	63	156244	19.774	ug/l	99
46) Dibromomethane	9.46	93	77602	19.895	ug/l	98
47) Bromodichloromethane	9.64	83	192651	20.005	ug/l	98
48) Methyl methacrylate	9.43	41	90483	19.773	ug/l	100
49) 1,4-Dioxane	9.45	88	29034	397.966	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	498880	102.499	ug/l	98
52) Toluene	10.38	92	398076	19.651	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	194377	19.494	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	236689	19.423	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	110498	19.396	ug/l	98
56) Ethyl methacrylate	10.65	69	144302	19.491	ug/l	99
57) 1,3-Dichloropropane	10.93	76	198887	19.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	211938	94.124	ug/l	99
59) 2-Hexanone	10.97	43	346786	103.398	ug/l	98
60) Dibromochloromethane	11.13	129	124177	19.319	ug/l	99
61) 1,2-Dibromoethane	11.23	107	108252	20.019	ug/l	100
64) Tetrachloroethene	10.86	164	147174	19.805	ug/l	99
65) Chlorobenzene	11.65	112	406093	19.311	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135464	19.132	ug/l	99
67) Ethyl Benzene	11.73	91	738686	19.492	ug/l	99
68) m/p-Xylenes	11.83	106	562091	38.753	ug/l	100
69) o-Xylene	12.16	106	257830	19.244	ug/l	99
70) Styrene	12.18	104	444029	19.594	ug/l	99
71) Bromoform	12.35	173	73920	19.140	ug/l #	99
73) Isopropylbenzene	12.46	105	713544	19.047	ug/l	99
74) N-amyl acetate	12.27	43	168928	20.111	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	131518	19.450	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	101081m	20.940	ug/l	
77) Bromobenzene	12.74	156	165785	19.054	ug/l	98
78) n-propylbenzene	12.80	91	862585	19.581	ug/l	99
79) 2-Chlorotoluene	12.89	91	482125	19.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	604548	19.220	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	41835	19.309	ug/l	95
82) 4-Chlorotoluene	12.99	91	509266	19.553	ug/l	99
83) tert-Butylbenzene	13.21	119	520210	18.890	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	603535	19.281	ug/l	99
85) sec-Butylbenzene	13.38	105	735008	19.282	ug/l	99
86) p-Isopropyltoluene	13.50	119	673014	19.370	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	320658	18.952	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	323229	19.351	ug/l	99
89) n-Butylbenzene	13.82	91	629980	19.525	ug/l	99
90) Hexachloroethane	14.09	117	113885	18.762	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	285913	19.226	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20872	19.492	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
Data File : VW014523.D
Acq On : 06 Jan 2020 15:03
Operator : SY/VA
Sample : VW0106SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

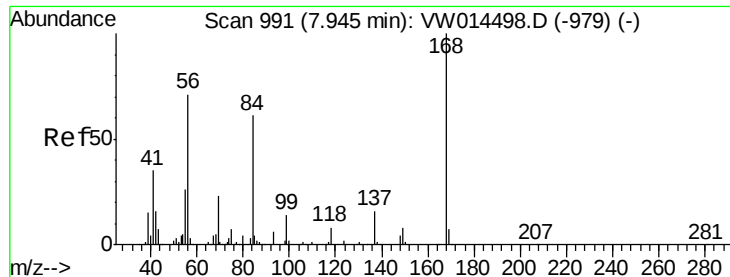
Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM

Quant Time: Jan 07 03:07:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	196252	19.542	ug/l	99
94) Hexachlorobutadiene	15.24	225	128111	19.036	ug/l	98
95) Naphthalene	15.36	128	320347	18.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	167946	19.186	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBSD01

Tgt Ion:168 Resp: 788524

Ion Ratio Lower Upper

168 100

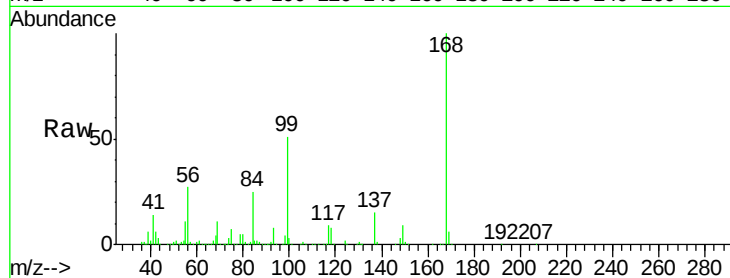
99 50.9 41.1 61.7

Manual Integrations

APPROVED

apatel

1/7/2020 10:27:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

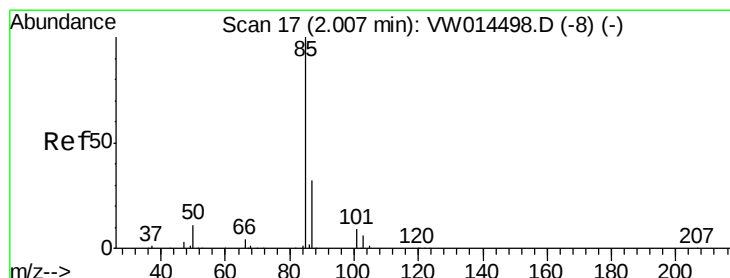
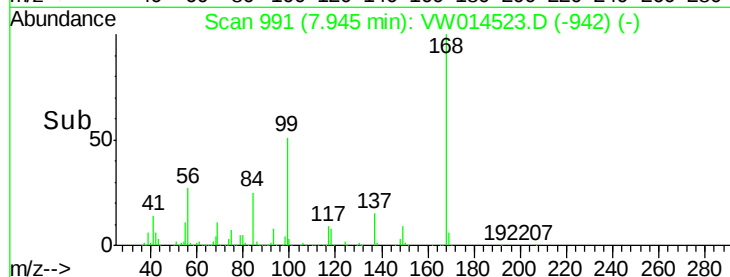
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.337 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014523.D

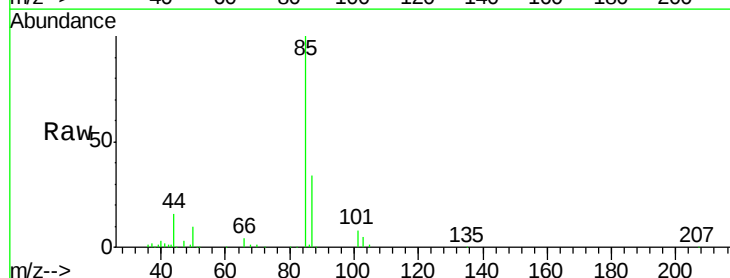
Acq: 06 Jan 2020 15:03

Tgt Ion: 85 Resp: 94995

Ion Ratio Lower Upper

85 100

87 34.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

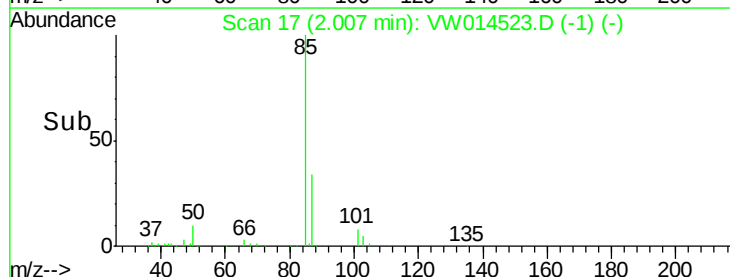
30000

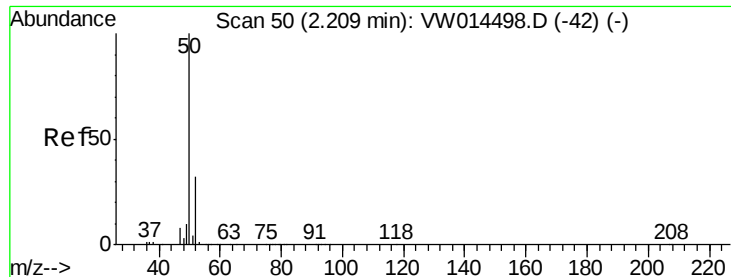
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.091 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBSD01

Tgt Ion: 50 Resp: 114935

Ion Ratio Lower Upper

50 100

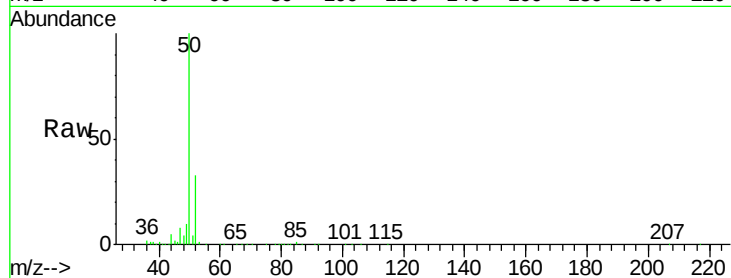
52 33.1 25.8 38.8

Manual Integrations

APPROVED

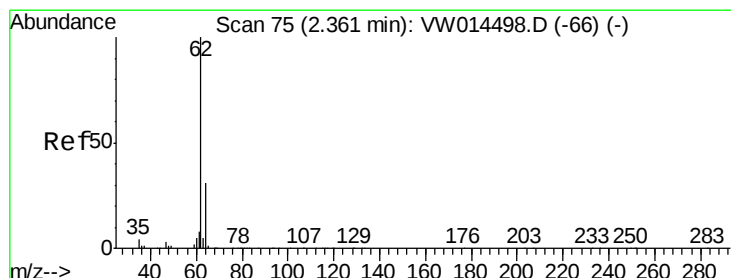
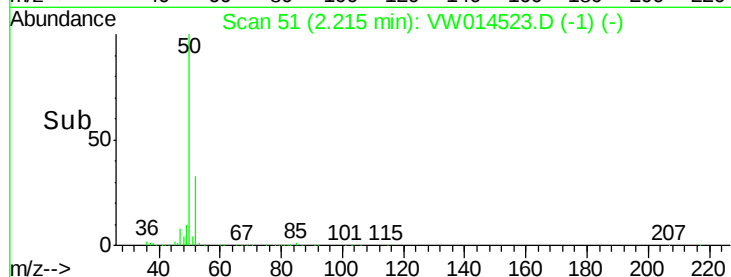
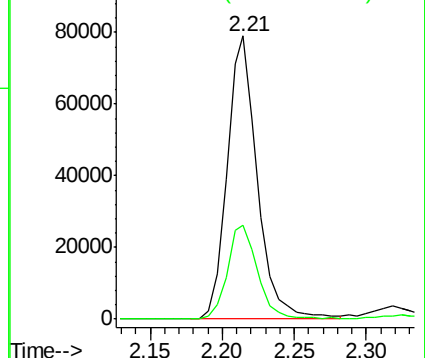
apatel

1/7/2020 10:27:52 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.046 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014523.D

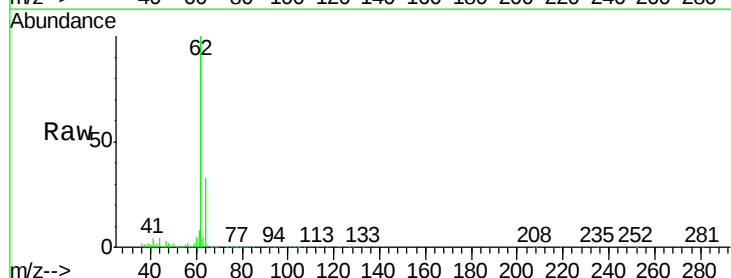
Acq: 06 Jan 2020 15:03

Tgt Ion: 62 Resp: 168691

Ion Ratio Lower Upper

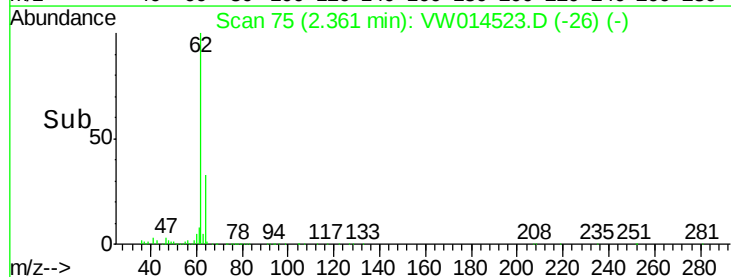
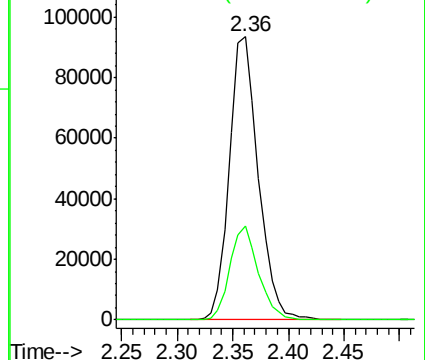
62 100

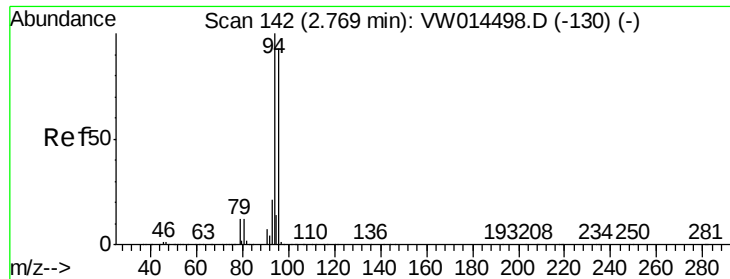
64 33.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.279 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampled :

VW0106SBSD01

Tgt Ion: 94 Resp: 100409

Ion Ratio Lower Upper

94 100

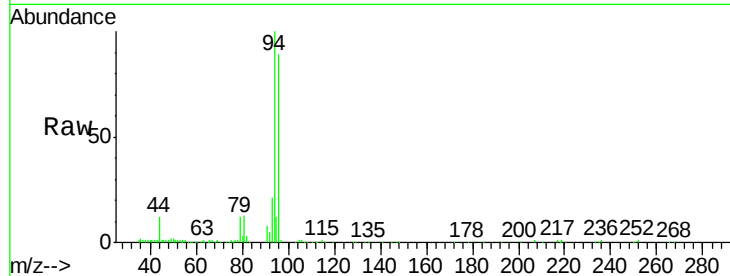
96 88.5 74.2 111.2

Manual Integrations

APPROVED

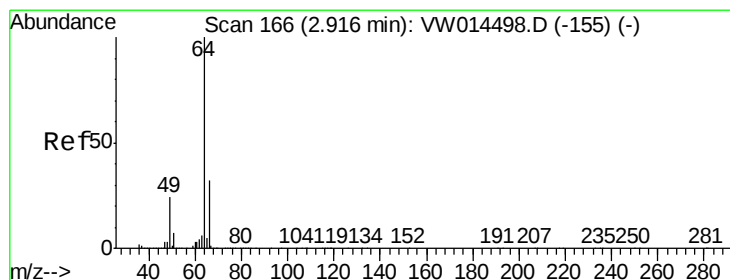
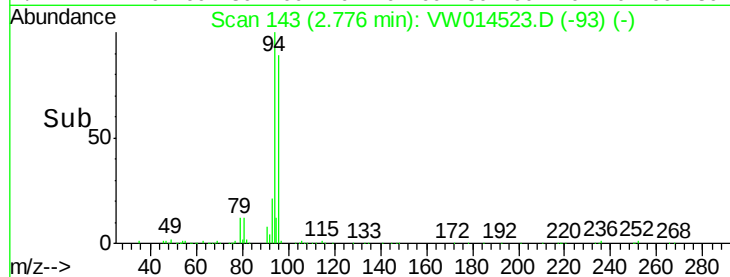
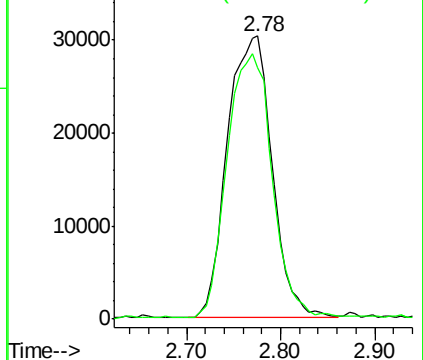
apatel

1/7/2020 10:27:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.051 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014523.D

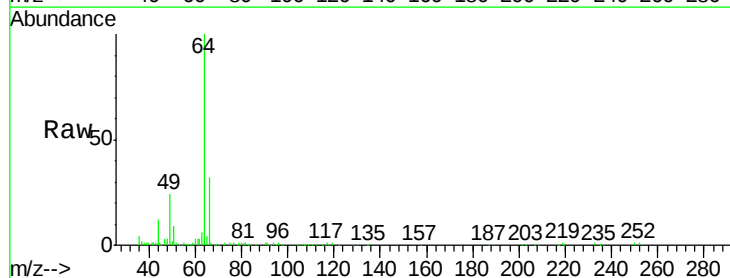
Acq: 06 Jan 2020 15:03

Tgt Ion: 64 Resp: 91616

Ion Ratio Lower Upper

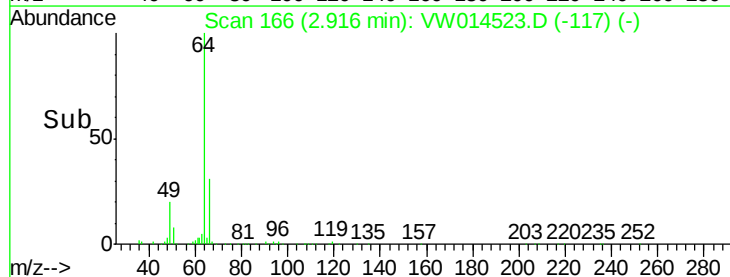
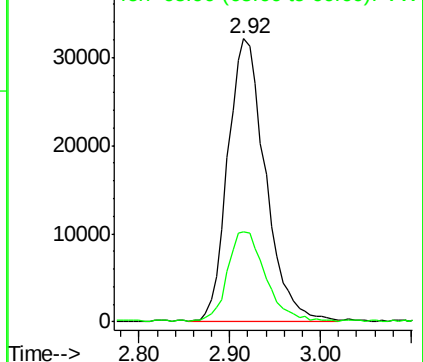
64 100

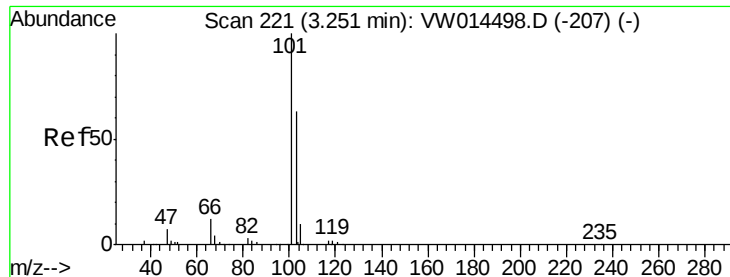
66 31.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

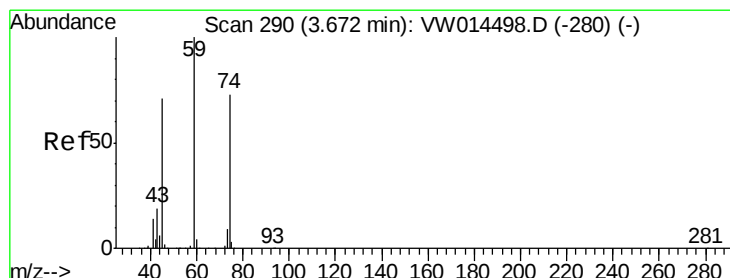
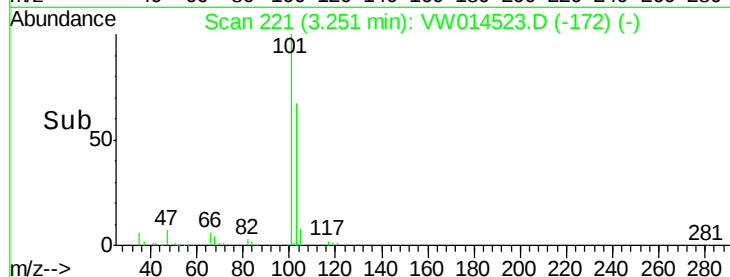
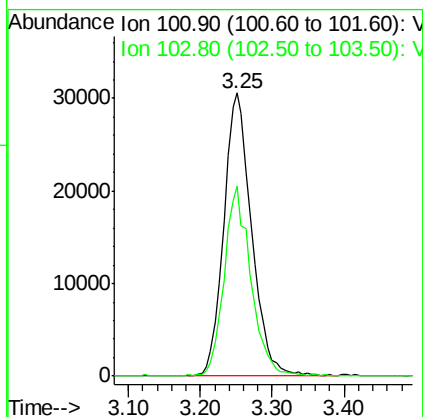
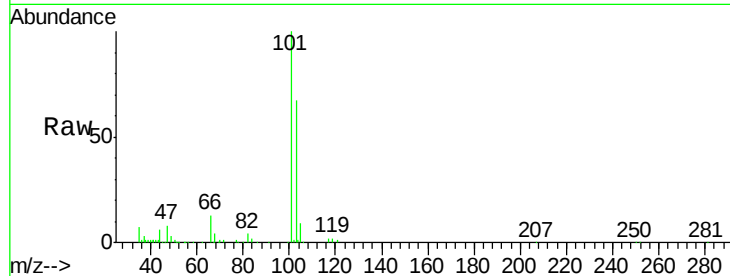
Trichlorofluoromethane
 Concen: 20.523 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Instrument :
 MSVOA_W
 ClientSampled :
 VW0106SBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.1	75.1

Manual Integrations
 APPROVED

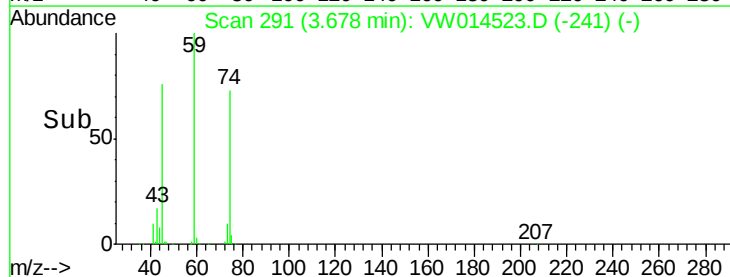
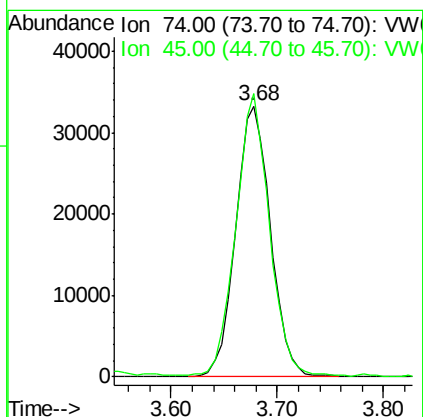
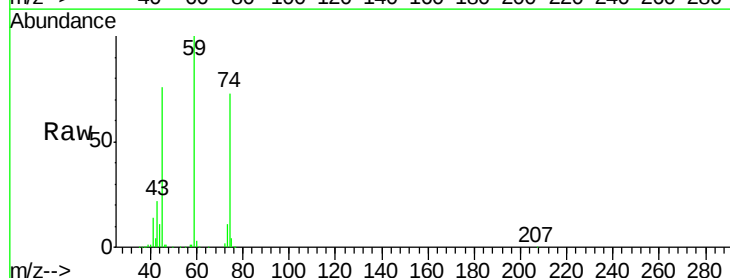
apatel
 1/7/2020 10:27:52 AM

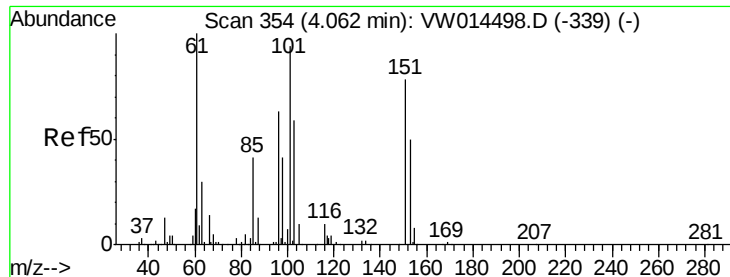


#8

Diethyl Ether
 Concen: 19.176 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.127 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

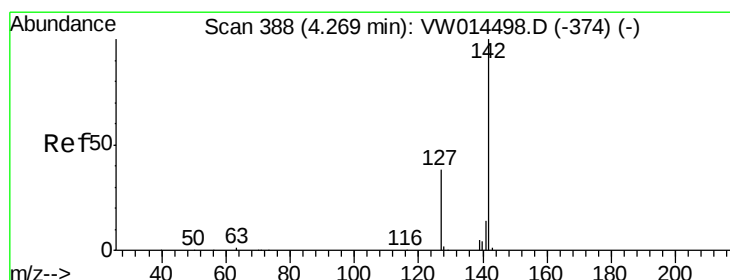
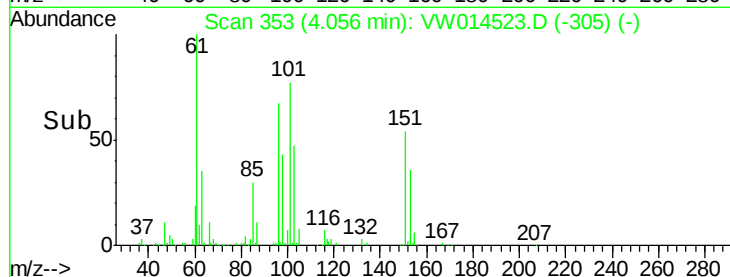
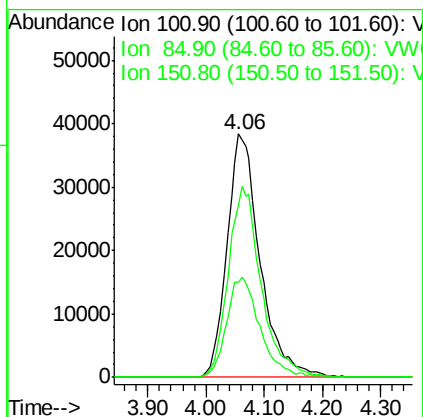
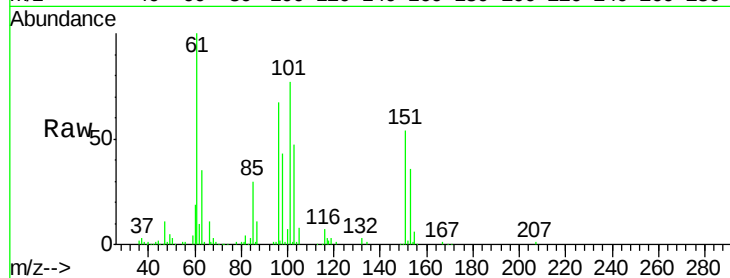
ClientSampleId :

VW0106SBS01

Tgt Ion:	101	Resp:	150816
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.7	50.5
151	78.2	63.5	95.3

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#10

Methyl Iodide

Concen: 19.179 ug/l

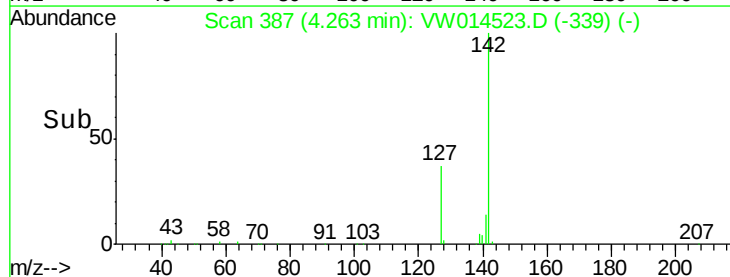
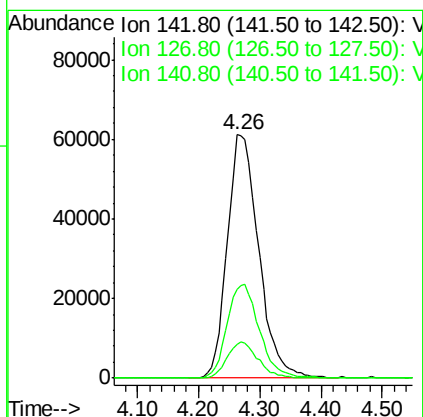
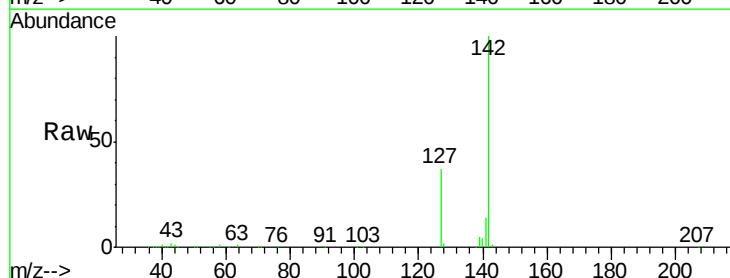
RT: 4.26 min Scan# 387

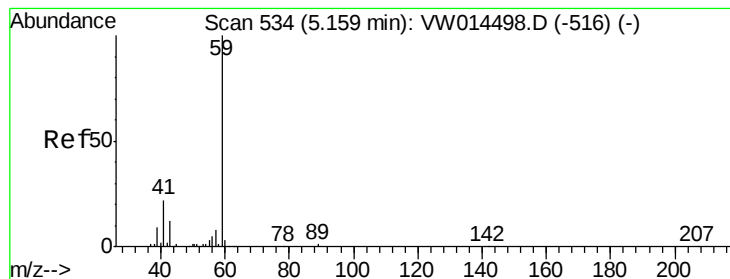
Delta R.T. -0.01 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	142	Resp:	216841
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.2	45.4
141	14.5	11.4	17.2





#11

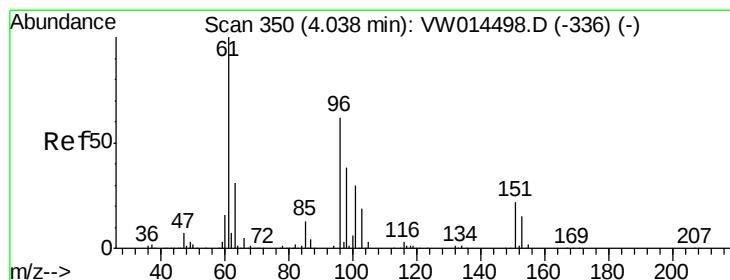
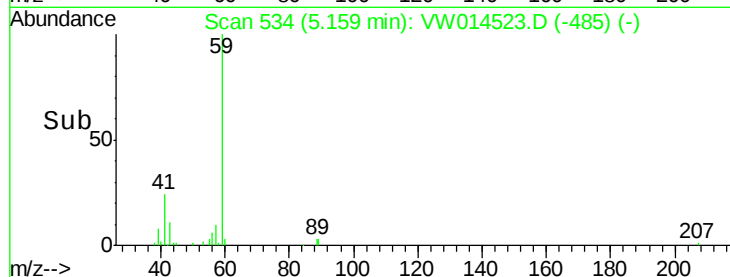
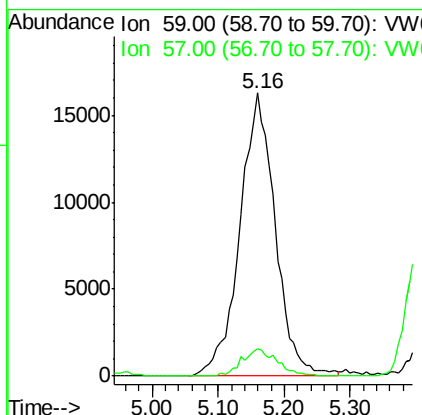
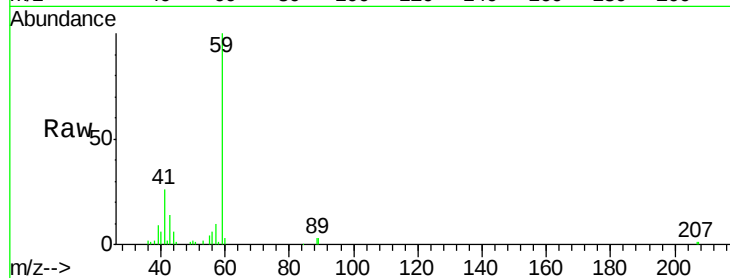
Tert butyl alcohol
 Concen: 100.297 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Instrument :
 MSVOA_W
 ClientSampled :
 VW0106SBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

Manual Integrations
 APPROVED

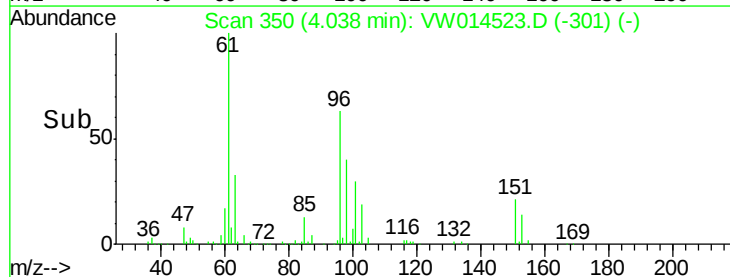
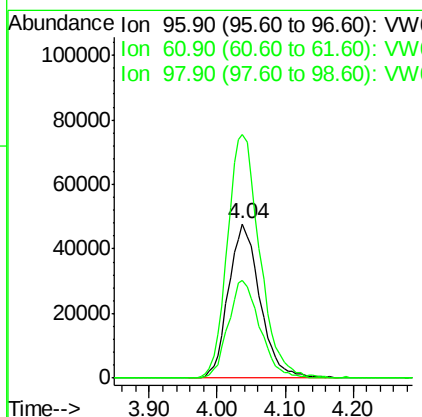
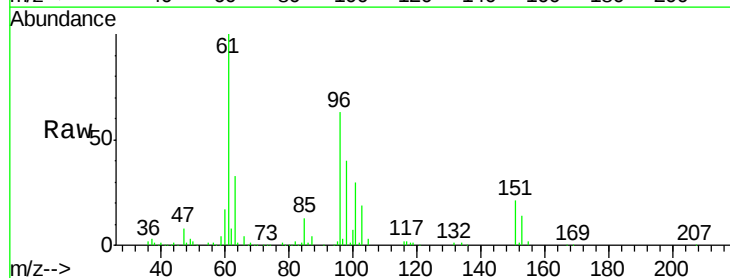
apatel
 1/7/2020 10:27:52 AM

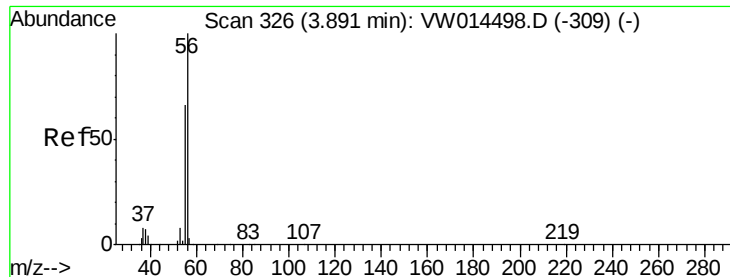


#12

1,1-Dichloroethene
 Concen: 19.514 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	128.4	192.6
98	63.1	49.1	73.7





#13

Acrolein

Concen: 102.566 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampled :

VW0106SBS01

Tgt Ion: 56 Resp: 61717

Ion Ratio Lower Upper

56 100

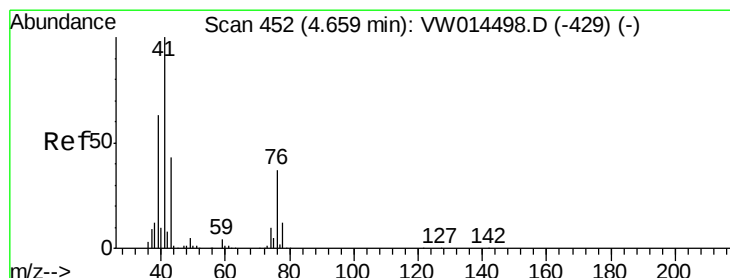
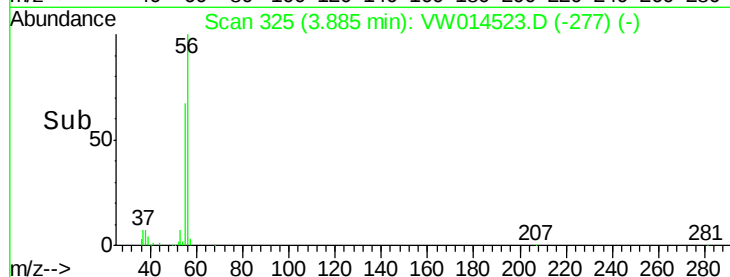
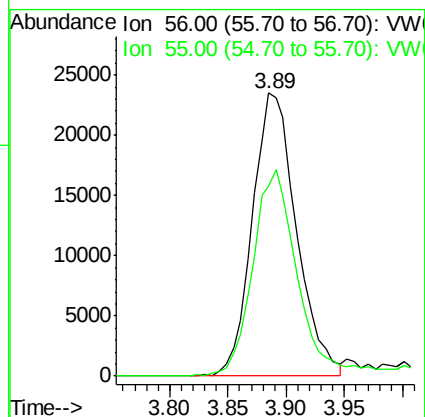
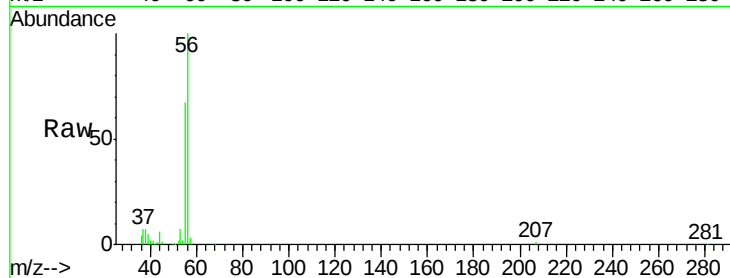
55 74.4 56.7 85.1

Manual Integrations

APPROVED

apatel

1/7/2020 10:27:52 AM



#14

Allyl chloride

Concen: 19.486 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

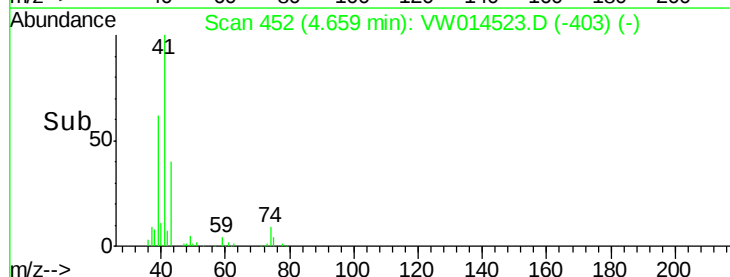
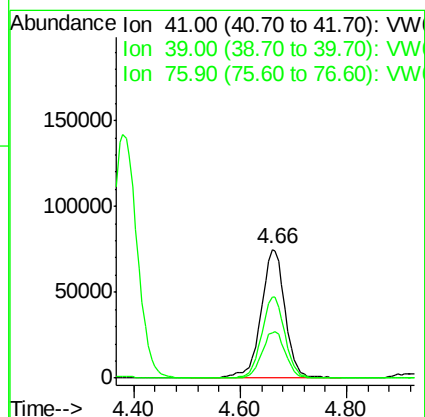
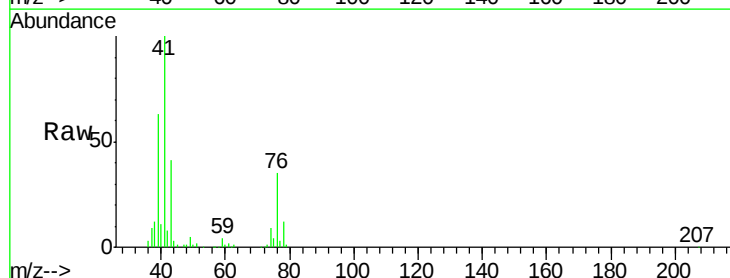
Tgt Ion: 41 Resp: 233668

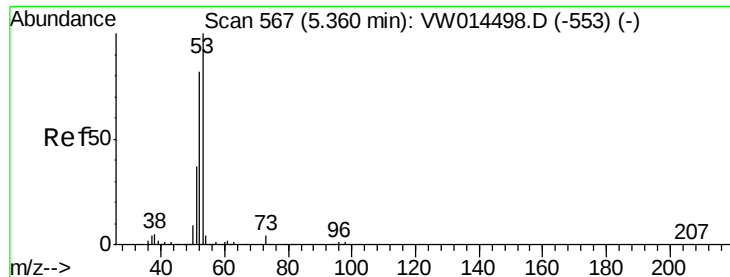
Ion Ratio Lower Upper

41 100

39 61.9 48.5 72.7

76 35.2 28.1 42.1





#15

Acrylonitrile

Concen: 102.371 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

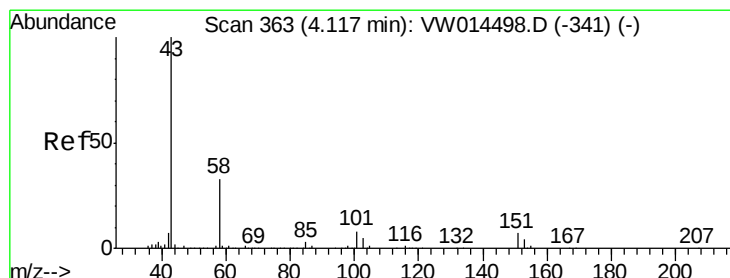
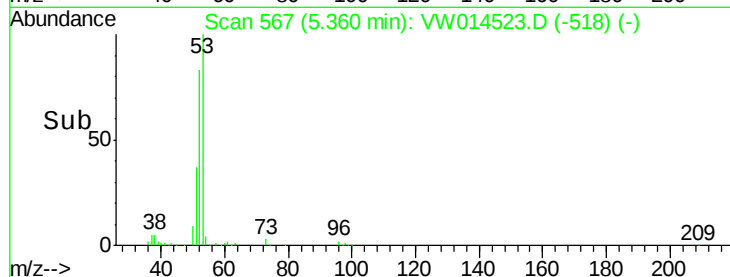
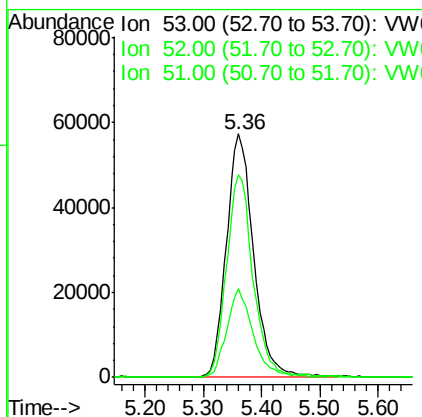
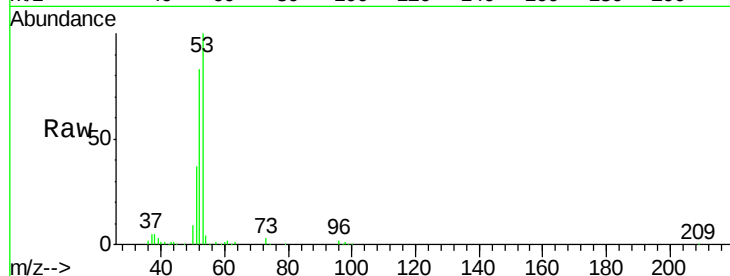
ClientSampleId :

VW0106SBS01

Tgt Ion:	53	Resp:	186715
Ion Ratio		Lower	Upper
53	100		
52	80.5	66.5	99.7
51	35.4	28.4	42.6

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#16

Acetone

Concen: 97.485 ug/l

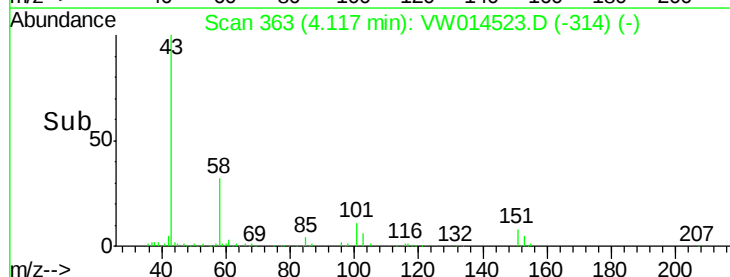
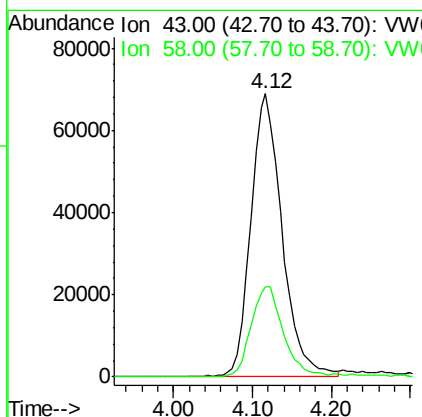
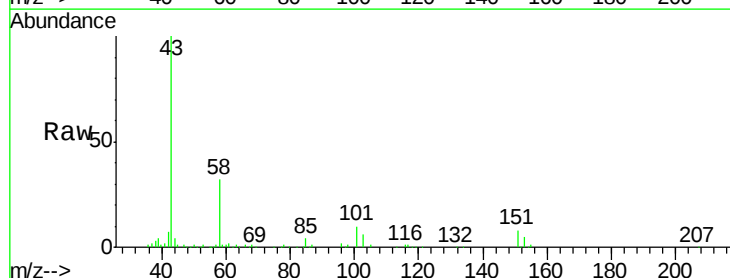
RT: 4.12 min Scan# 363

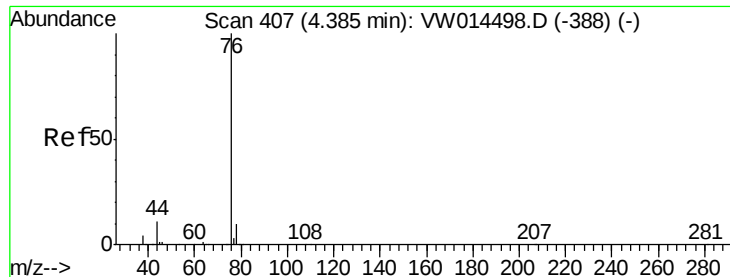
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	43	Resp:	189773
Ion Ratio		Lower	Upper
43	100		
58	31.8	26.6	39.8





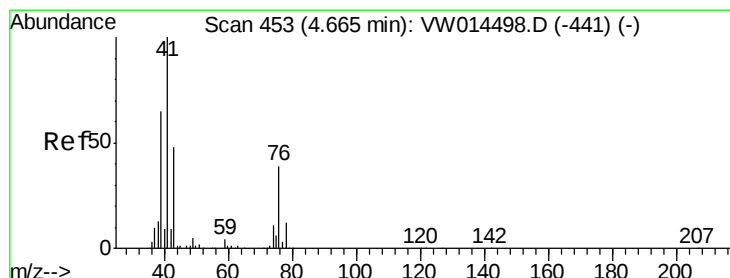
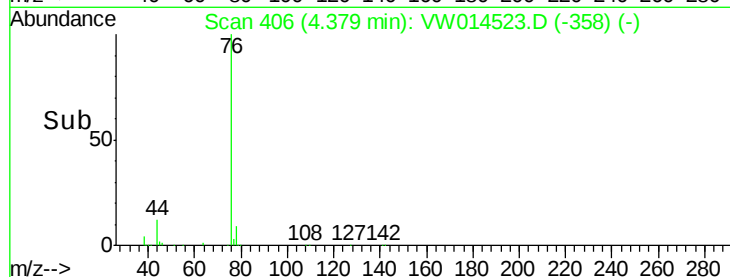
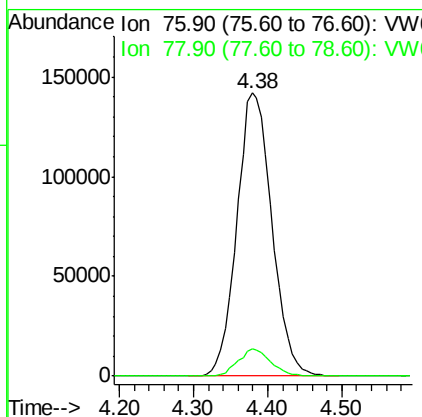
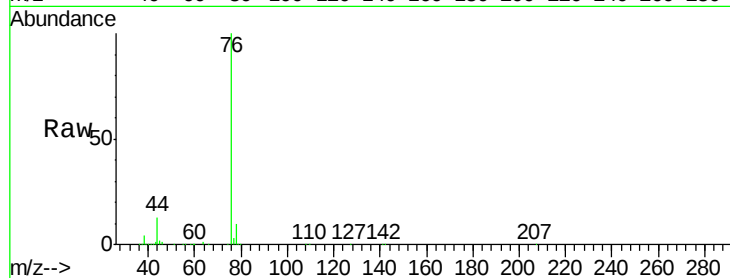
#17
Carbon Disulfide
Concen: 19.805 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.8	11.6

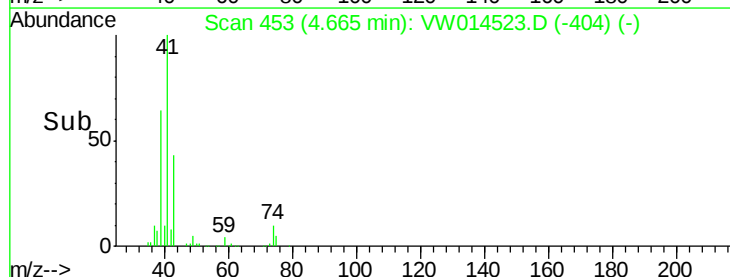
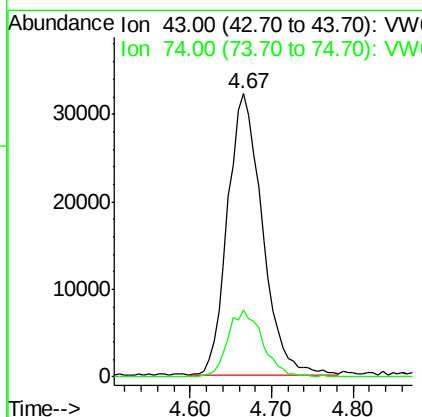
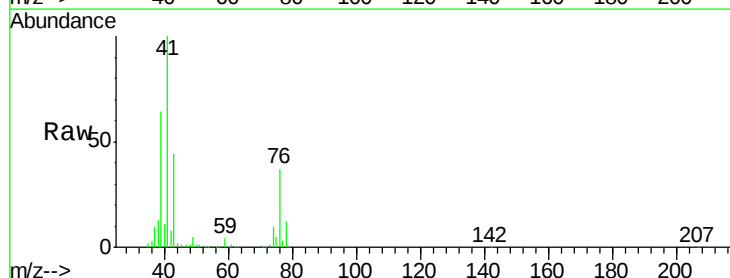
Manual Integrations
APPROVED

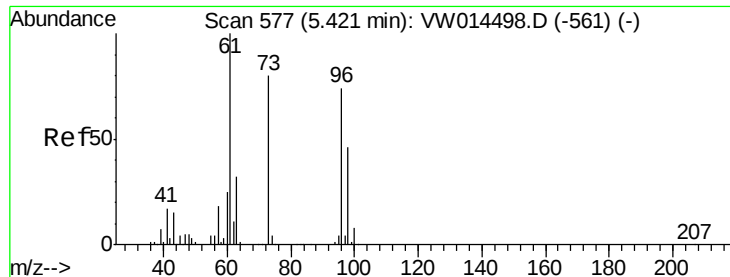
apatel
1/7/2020 10:27:52 AM



#18
Methyl Acetate
Concen: 20.225 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.3	28.9





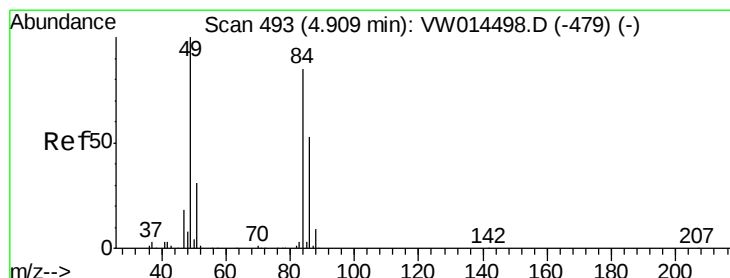
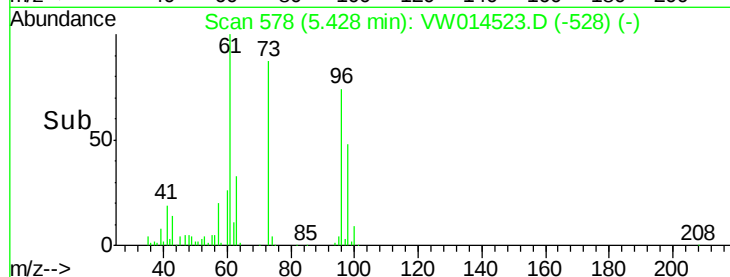
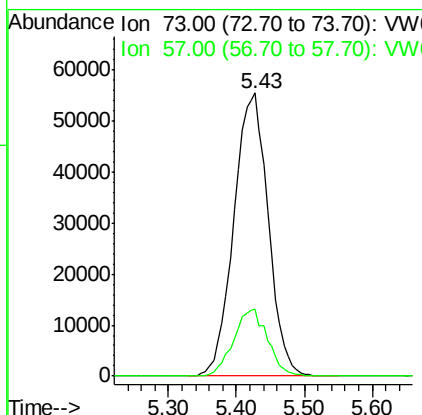
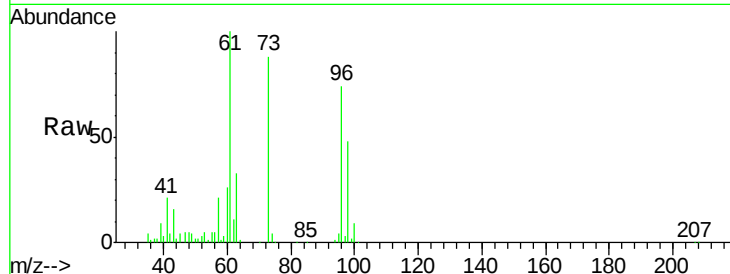
#19
Methyl tert-butyl Ether
Concen: 20.039 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion: 73 Resp: 195198
Ion Ratio Lower Upper
73 100
57 23.9 18.1 27.1

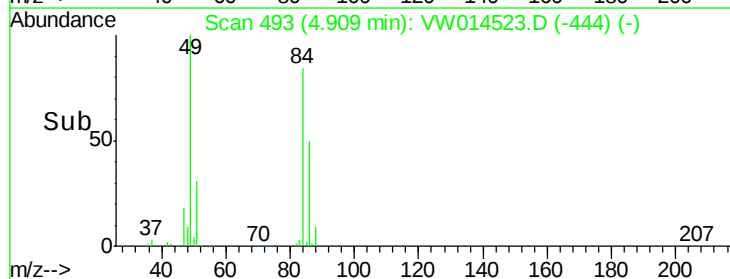
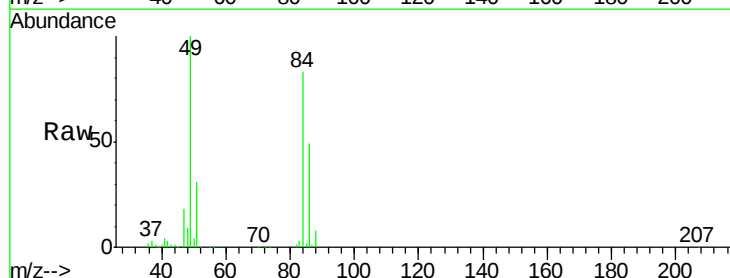
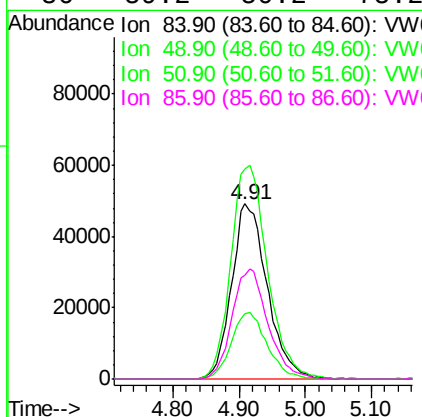
Manual Integrations
APPROVED

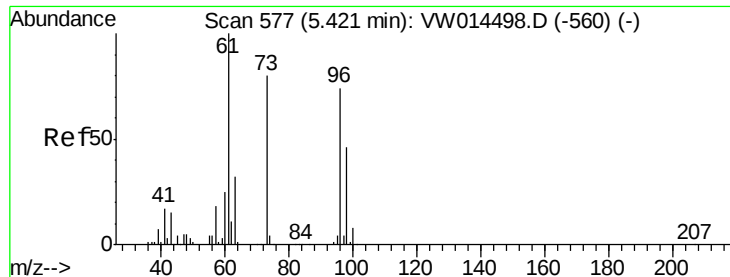
apatel
1/7/2020 10:27:52 AM



#20
Methylene Chloride
Concen: 20.788 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion: 84 Resp: 184460
Ion Ratio Lower Upper
84 100
49 119.9 94.4 141.6
51 37.4 29.5 44.3
86 59.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.213 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

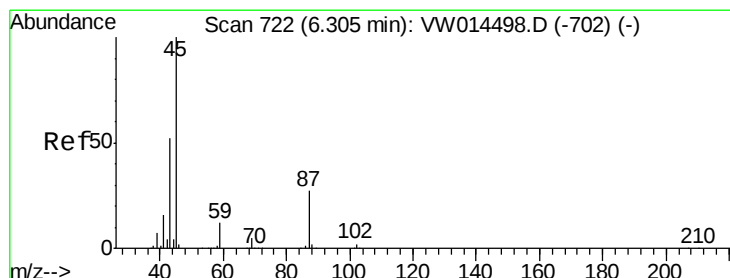
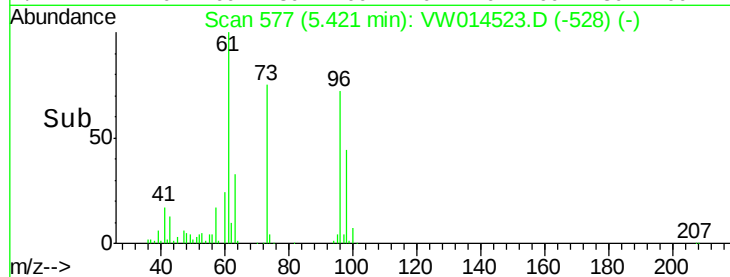
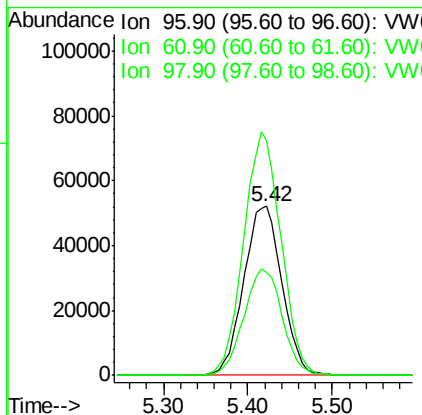
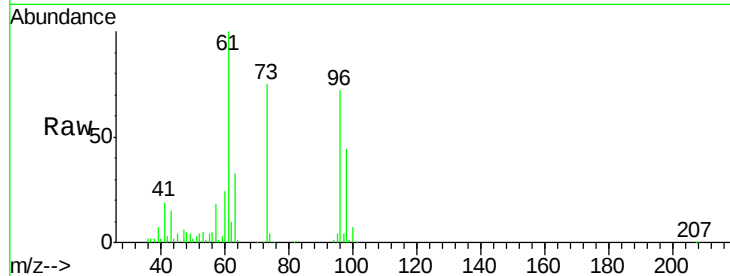
ClientSampled :

VW0106SBS01

Tgt Ion:	96	Resp:	160081
Ion	Ratio	Lower	Upper
96	100		
61	139.2	107.8	161.6
98	61.2	49.4	74.0

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#22

Diisopropyl ether

Concen: 20.376 ug/l

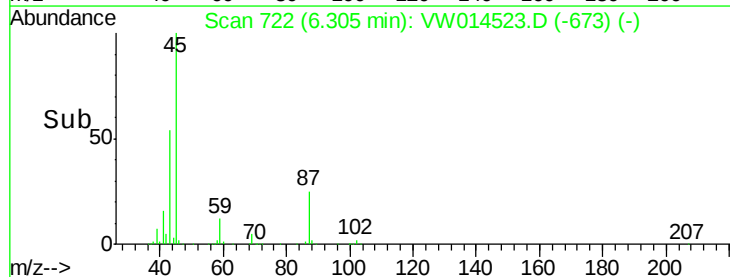
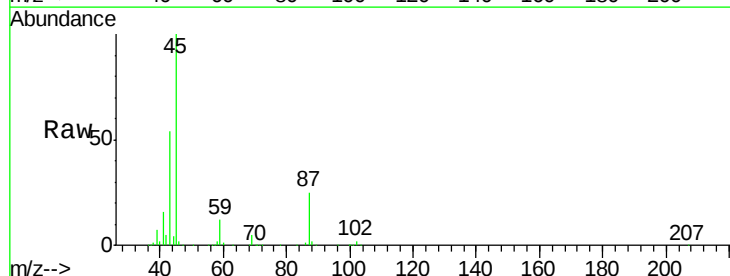
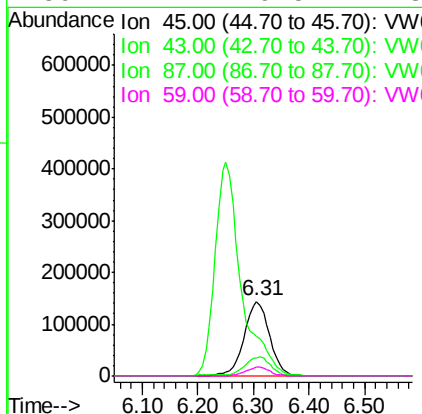
RT: 6.31 min Scan# 722

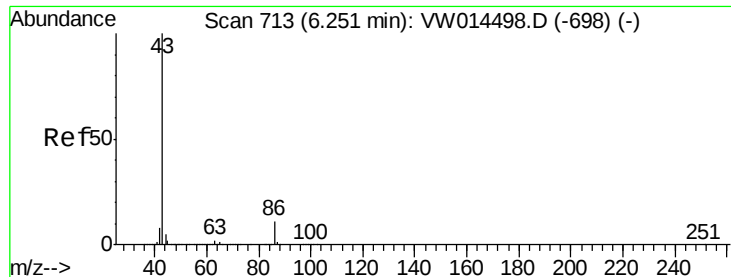
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	45	Resp:	457331
Ion	Ratio	Lower	Upper
45	100		
43	53.5	41.4	62.0
87	24.7	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 99.648 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

Tgt Ion: 43 Resp: 1350578

Ion Ratio Lower Upper

43 100

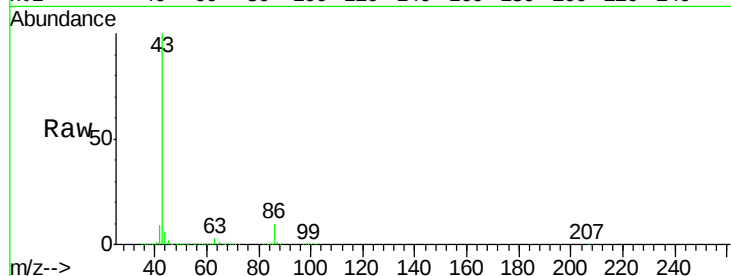
86 10.5 8.8 13.2

Manual Integrations

APPROVED

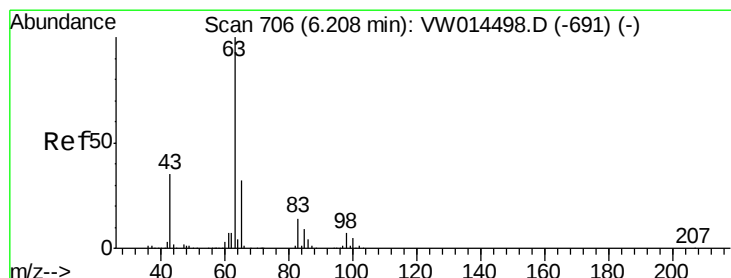
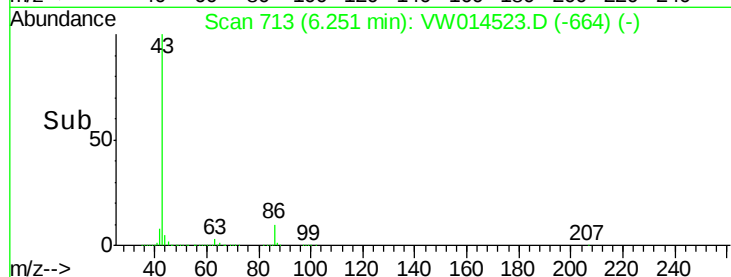
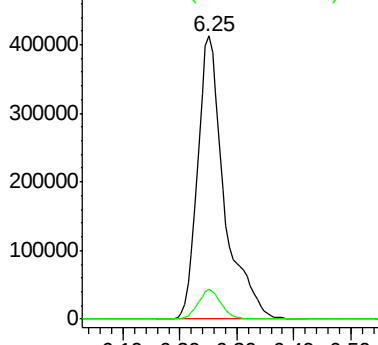
apatel

1/7/2020 10:27:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.770 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

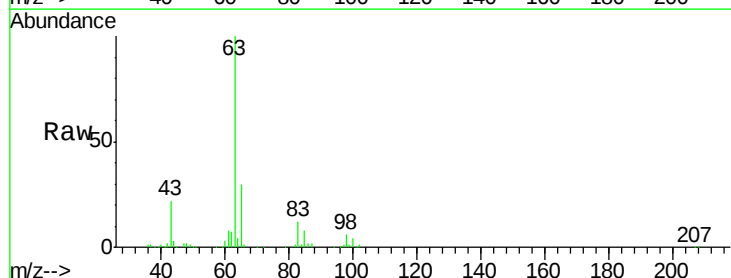
Tgt Ion: 63 Resp: 279896

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

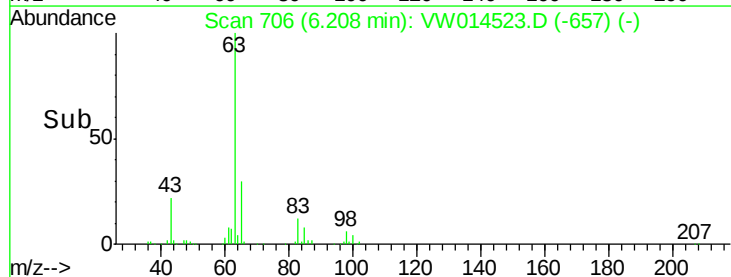
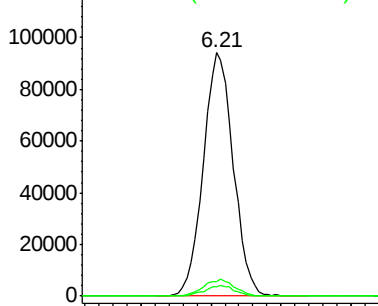
100 4.1 2.5 7.4

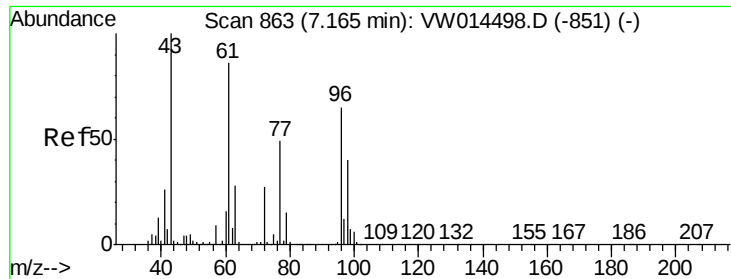


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 101.080 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampled :

VW0106SBS01

Tgt Ion: 43 Resp: 252522

Ion Ratio Lower Upper

43 100

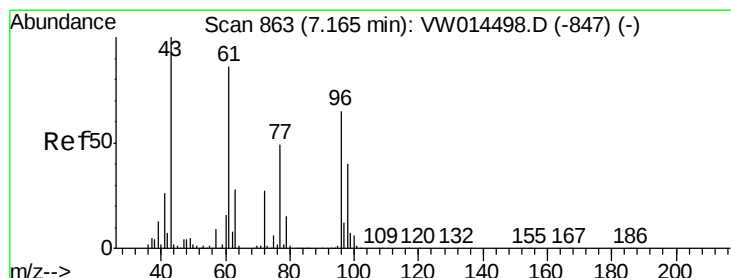
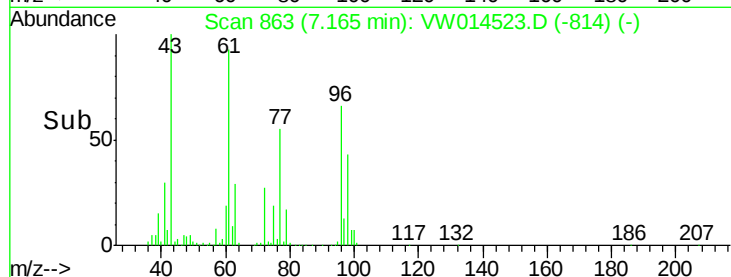
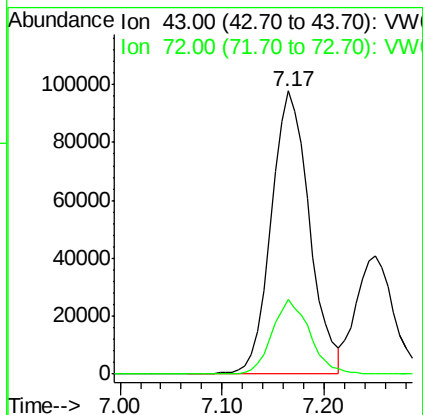
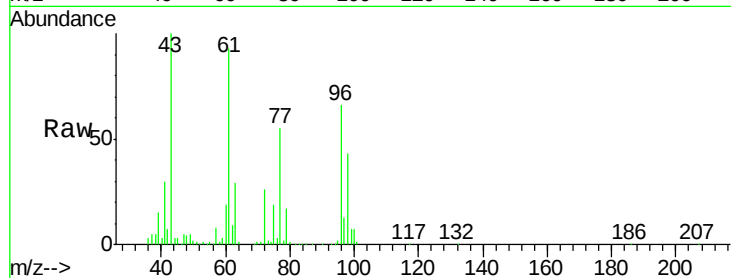
72 26.5 21.9 32.9

Manual Integrations

APPROVED

apatel

1/7/2020 10:27:52 AM



#26

2,2-Dichloropropane

Concen: 20.364 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014523.D

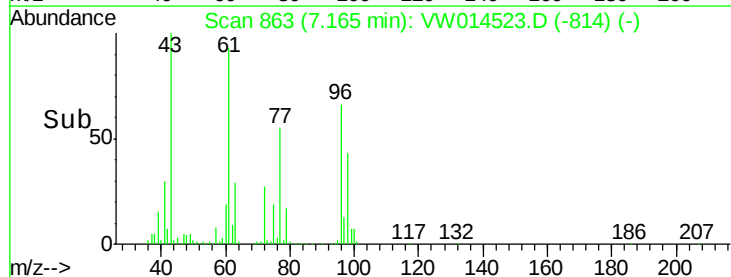
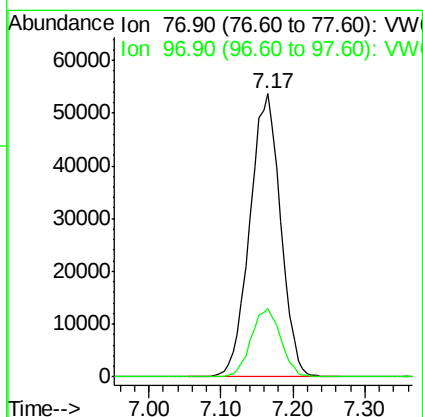
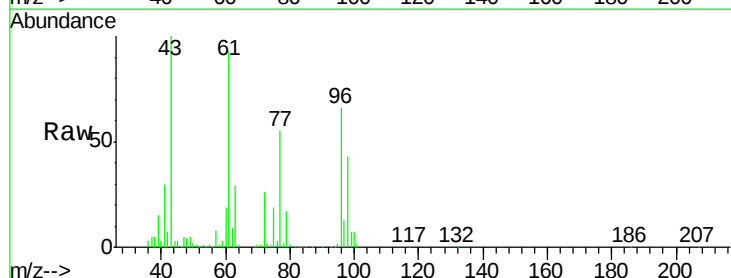
Acq: 06 Jan 2020 15:03

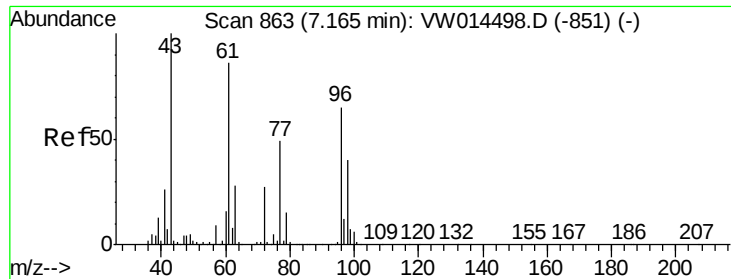
Tgt Ion: 77 Resp: 159620

Ion Ratio Lower Upper

77 100

97 23.2 12.5 37.5





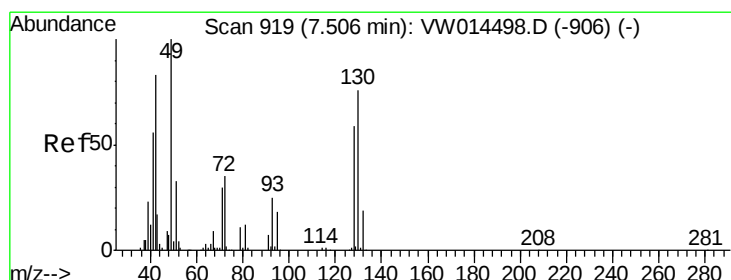
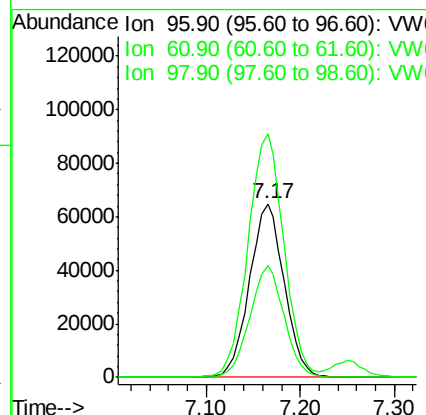
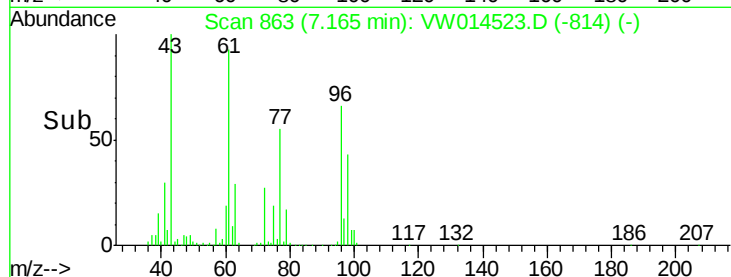
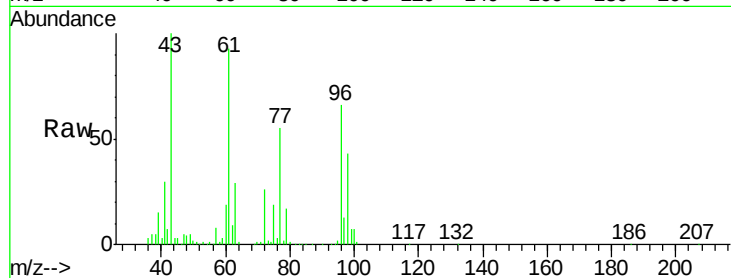
#27
 cis-1,2-Dichloroethene
 Concen: 19.164 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	167785		
61	145.1	0.0	274.8	
98	63.7	0.0	128.6	

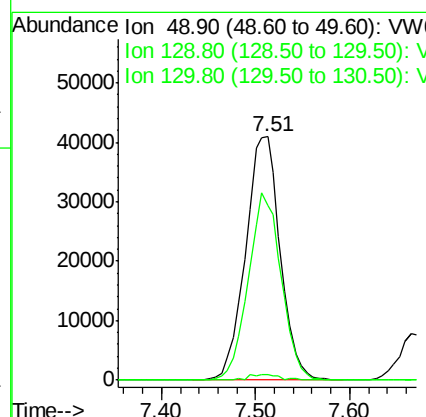
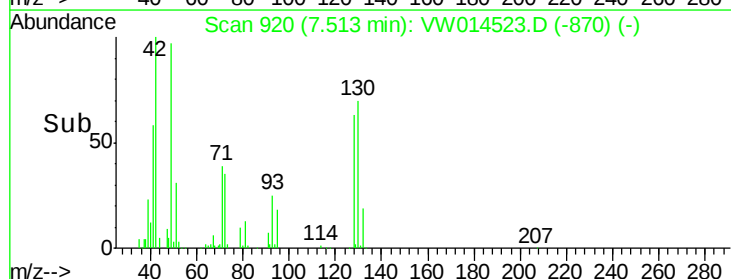
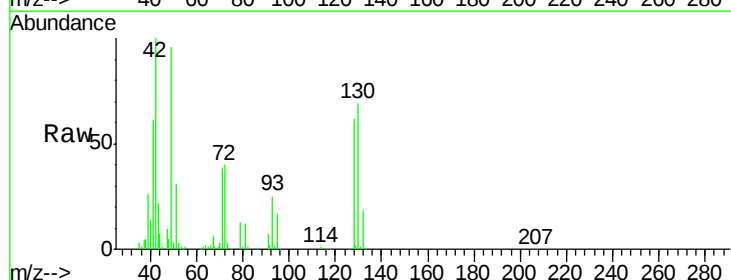
Manual Integrations
 APPROVED

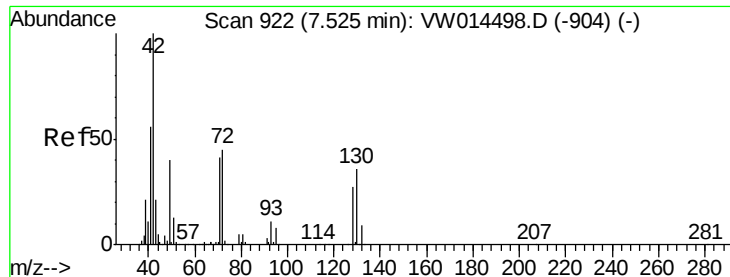
apatel
 1/7/2020 10:27:52 AM



#28
 Bromochloromethane
 Concen: 18.998 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	105453		
129	2.1	0.0	2.0#	
130	73.1	62.5	93.7	





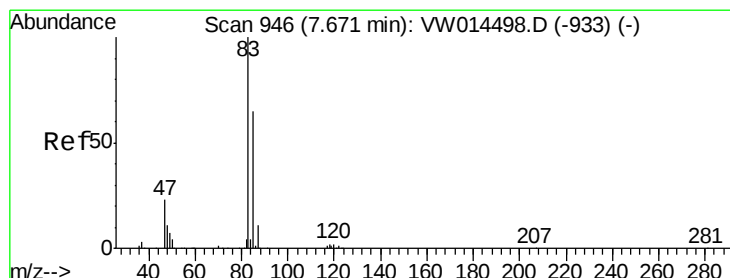
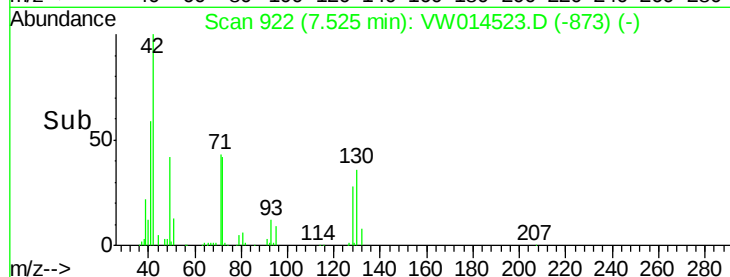
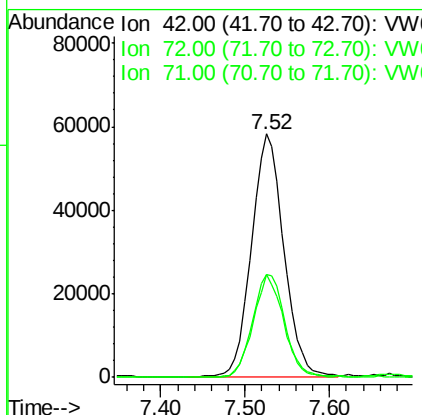
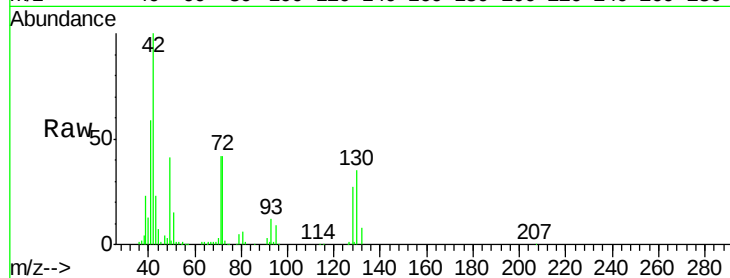
#29
Tetrahydrofuran
Concen: 99.043 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.5	51.7
71	39.4	32.0	48.0

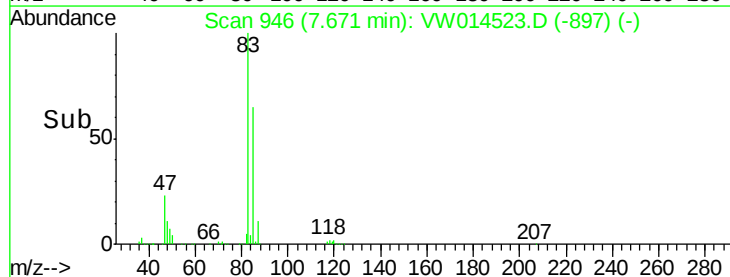
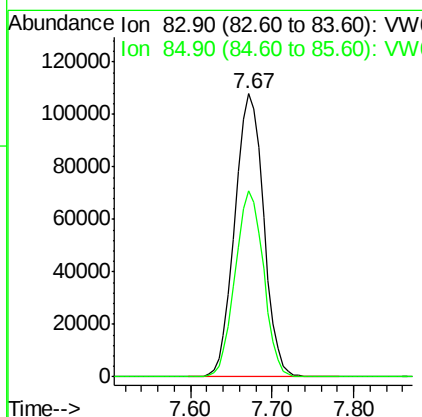
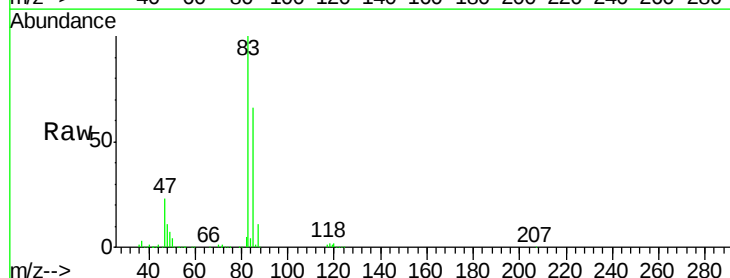
Manual Integrations
APPROVED

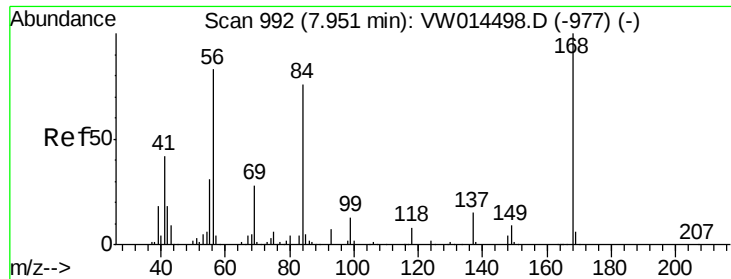
apatel
1/7/2020 10:27:52 AM



#30
Chloroform
Concen: 19.938 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.2





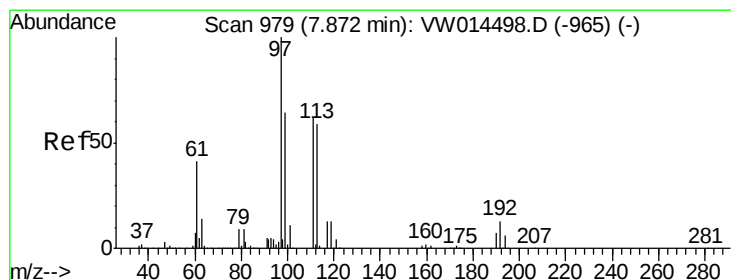
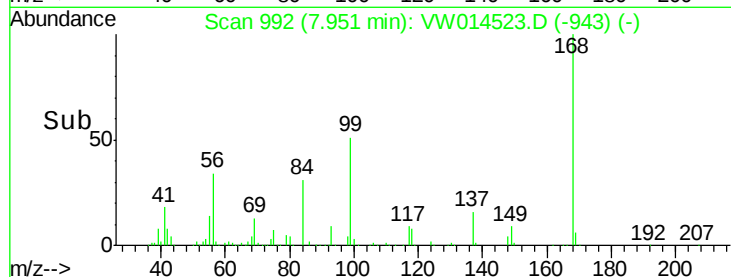
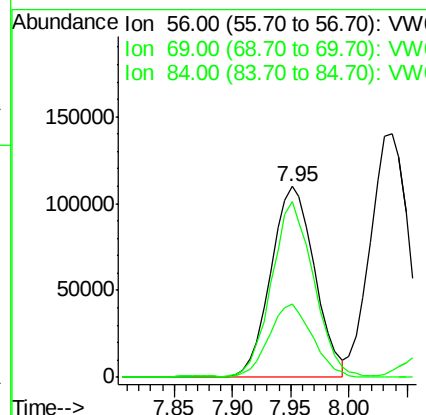
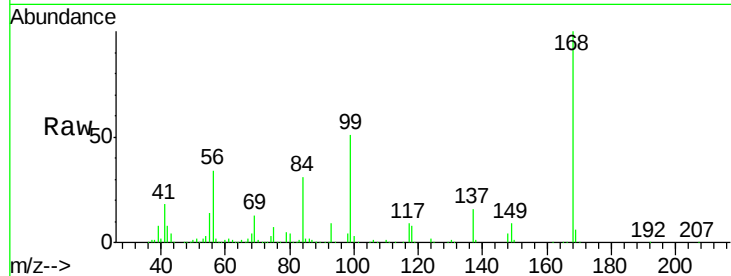
#31
Cyclohexane
Concen: 19.478 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampled :
VW0106SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	38.7	26.8	40.2
84	90.9	71.8	107.6

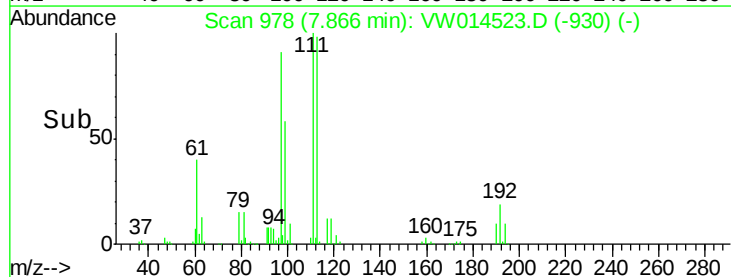
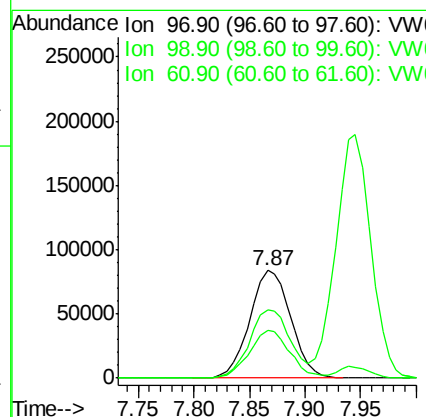
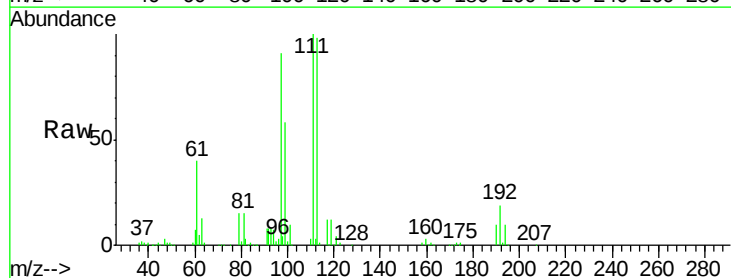
Manual Integrations
APPROVED

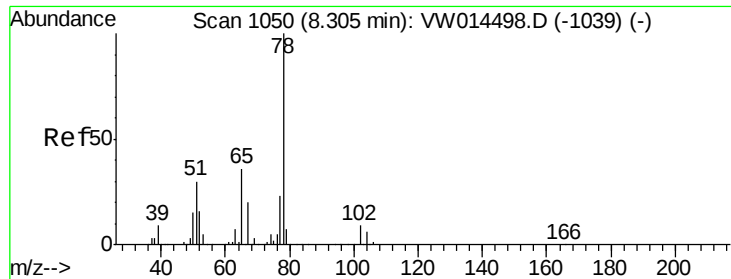
apatel
1/7/2020 10:27:52 AM



#32
1,1,1-Trichloroethane
Concen: 20.202 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	43.5	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 50.592 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampled :

VW0106SBSD01

Tgt Ion: 65 Resp: 348787

Ion Ratio Lower Upper

65 100

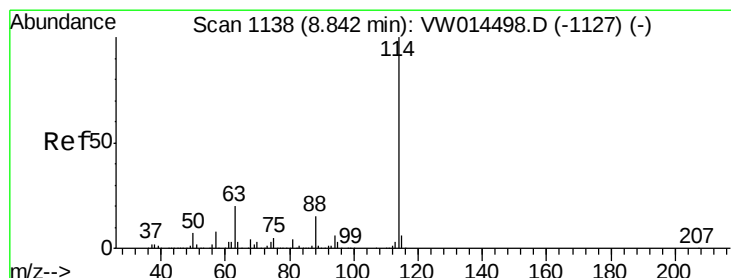
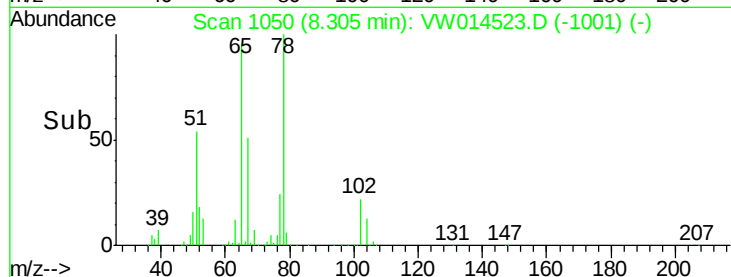
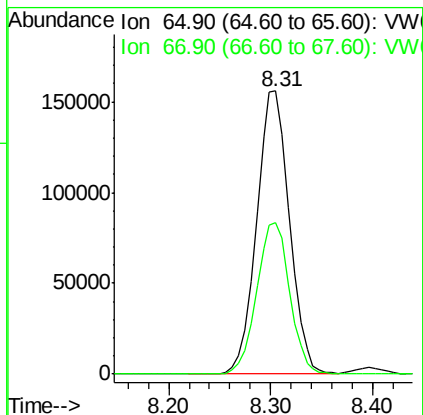
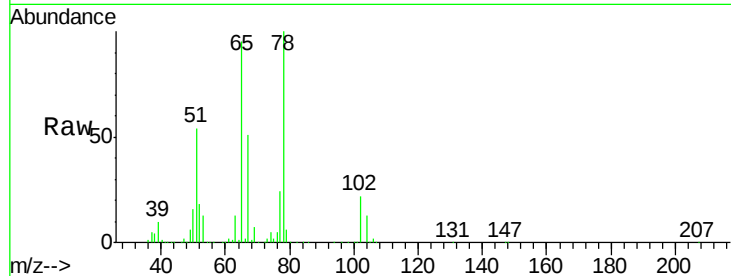
67 54.0 0.0 108.4

Manual Integrations

APPROVED

apatel

1/7/2020 10:27:52 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

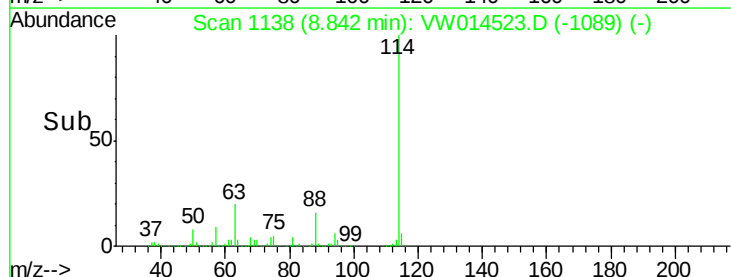
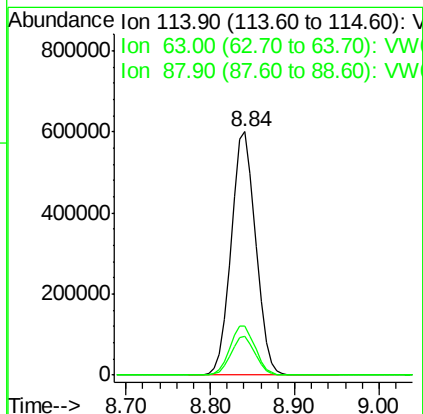
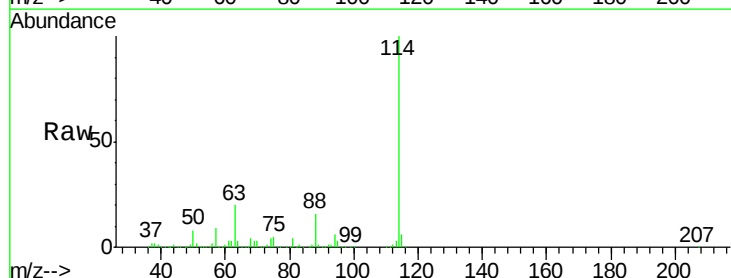
Tgt Ion: 114 Resp: 1180484

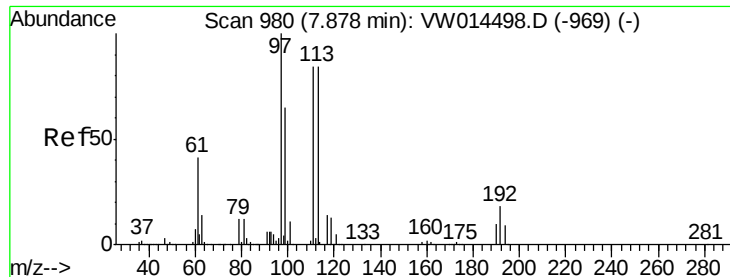
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.416 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

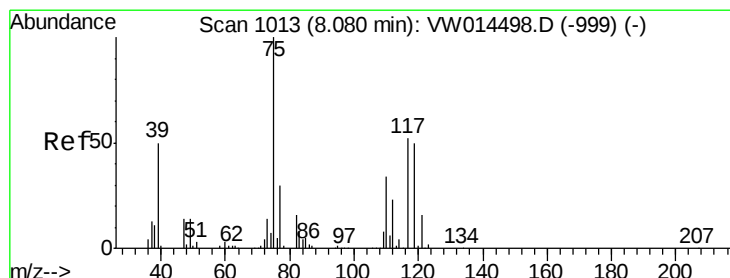
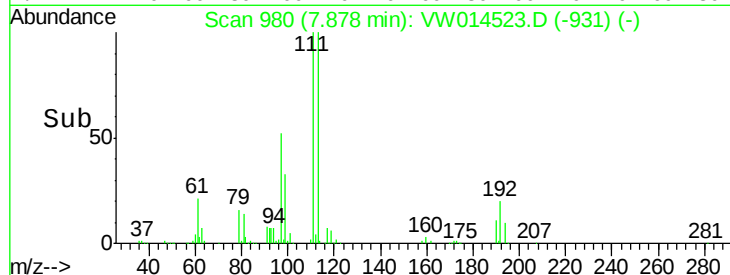
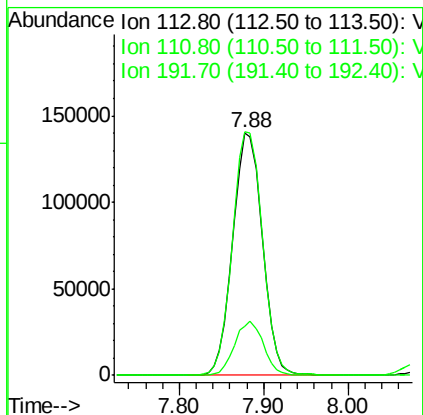
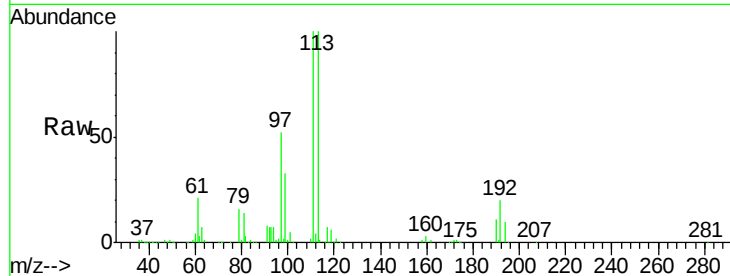
ClientSampled :

VW0106SBS01

Tgt Ion:	113	Resp:	333391
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.4	122.2
192	21.7	17.8	26.8

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#36

1,1-Dichloropropene

Concen: 19.997 ug/l

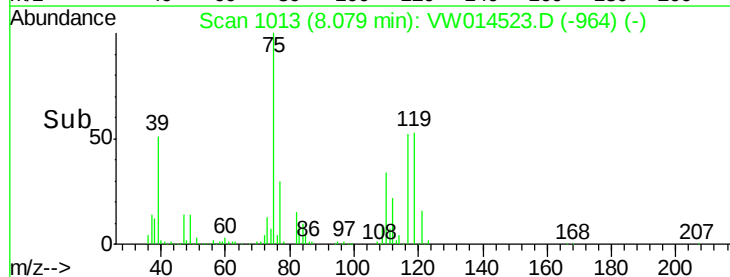
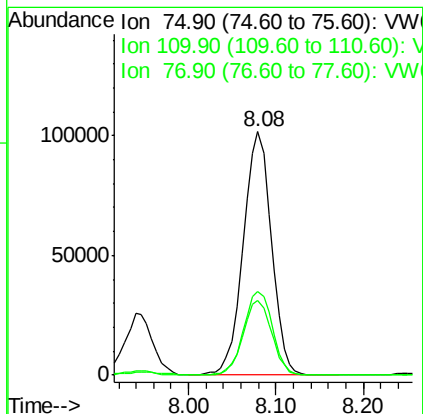
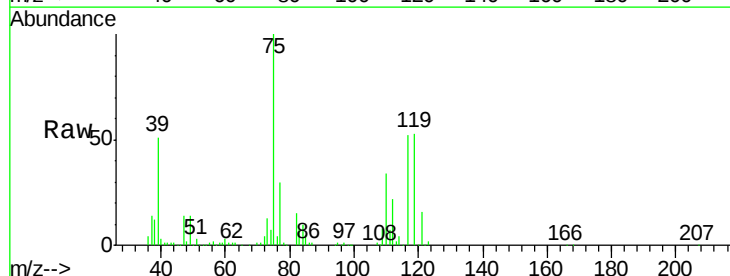
RT: 8.08 min Scan# 1013

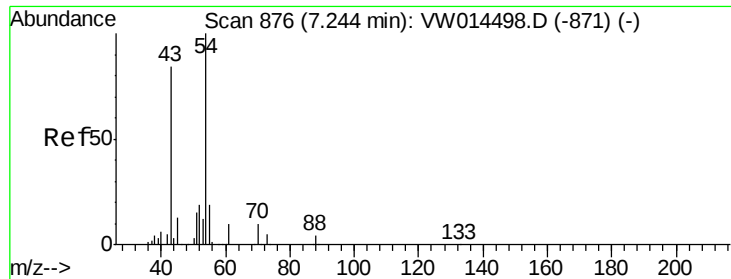
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	75	Resp:	227575
Ion Ratio	Lower	Upper	
75	100		
110	34.9	17.8	53.5
77	31.2	24.7	37.1





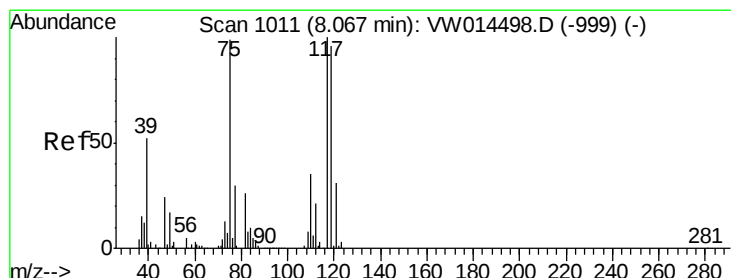
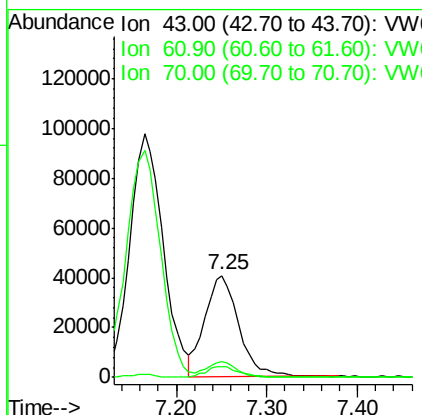
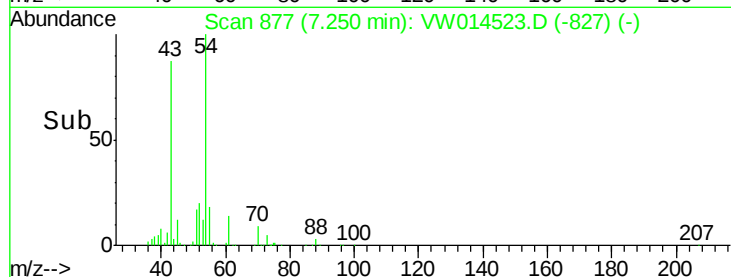
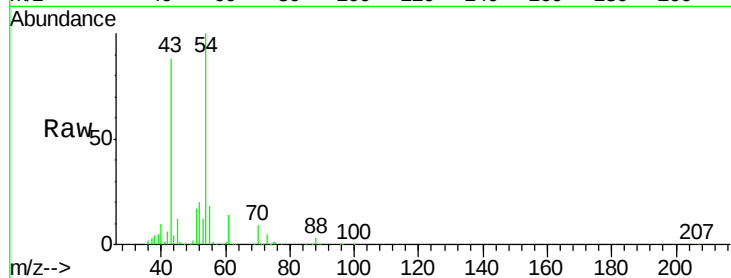
#37
Ethyl Acetate
Concen: 20.620 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	10.5	9.0	13.6

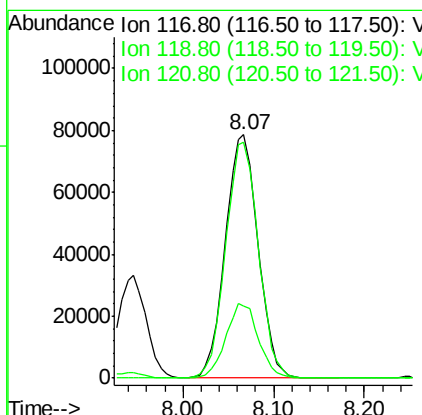
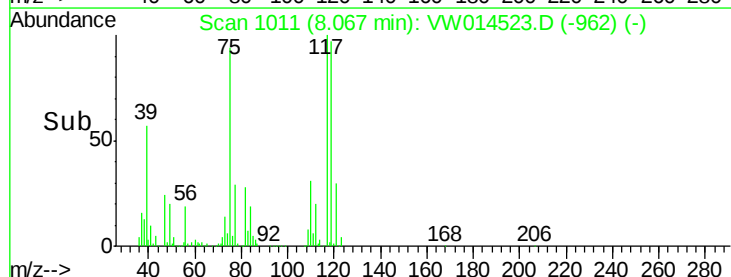
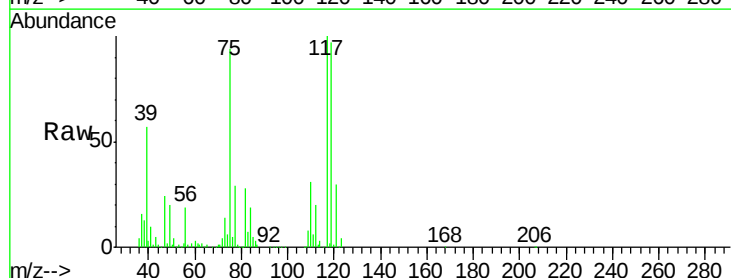
Manual Integrations
APPROVED

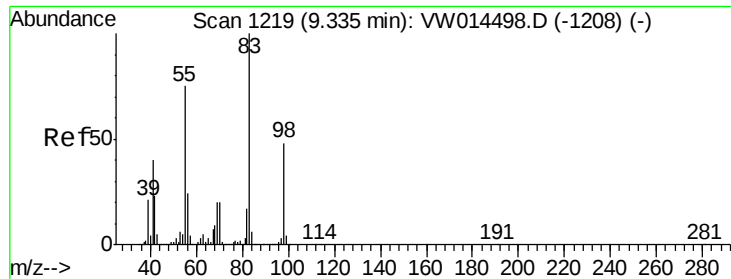
apatel
1/7/2020 10:27:52 AM



#38
Carbon Tetrachloride
Concen: 19.946 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.6
121	29.8	24.6	36.8





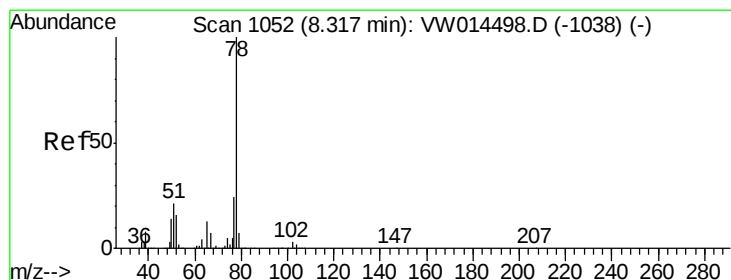
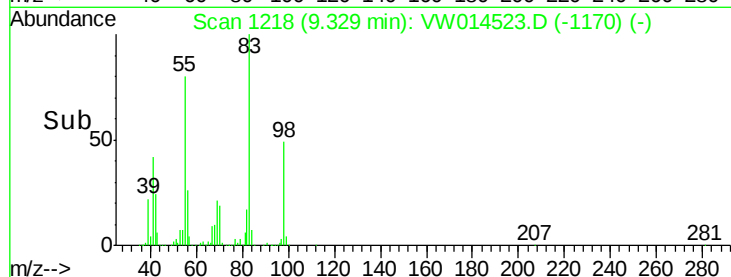
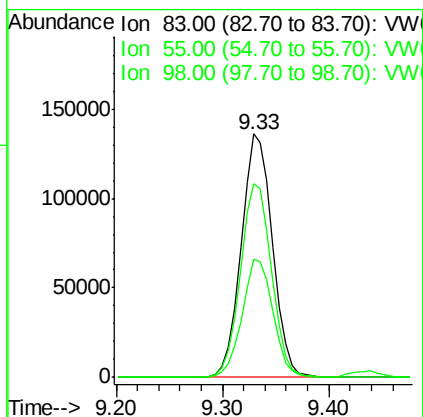
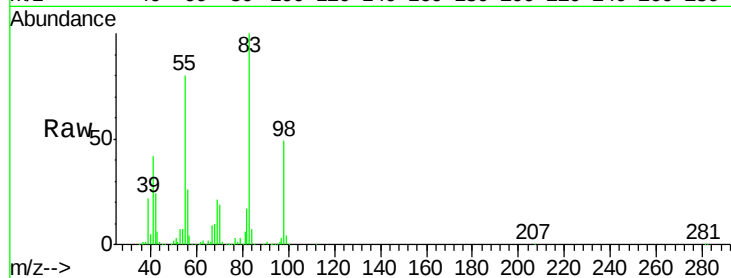
#39
Methylcyclohexane
Concen: 19.190 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	280266		
55	79.6	60.1	90.1	
98	48.7	38.8	58.2	

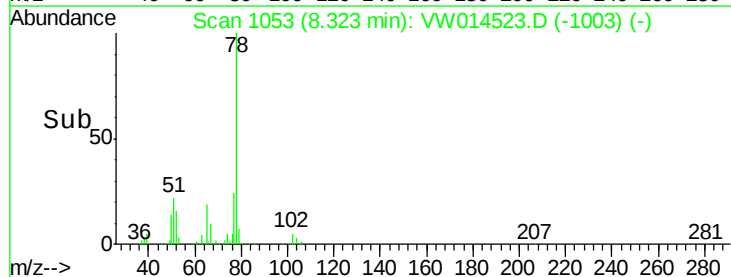
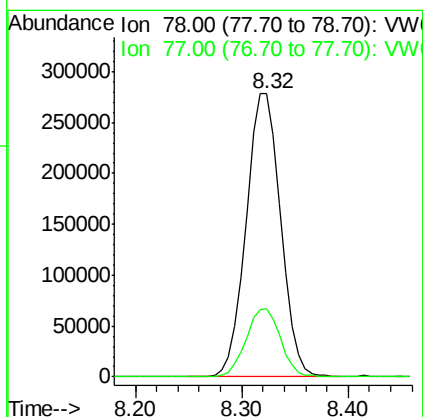
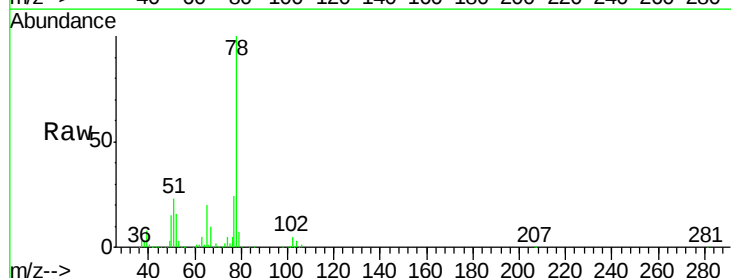
Manual Integrations
APPROVED

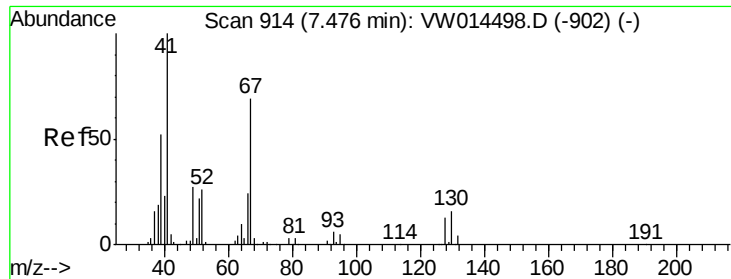
apatel
1/7/2020 10:27:52 AM



#40
Benzene
Concen: 19.728 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	635238		
77	24.1	19.3	28.9	





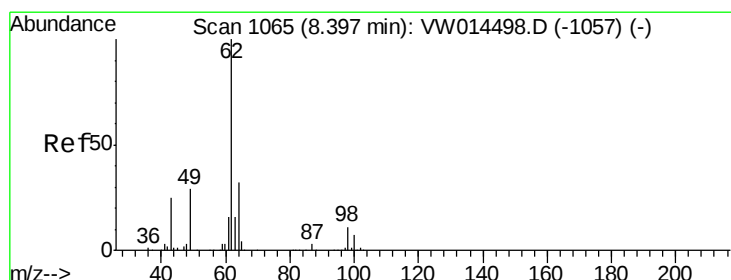
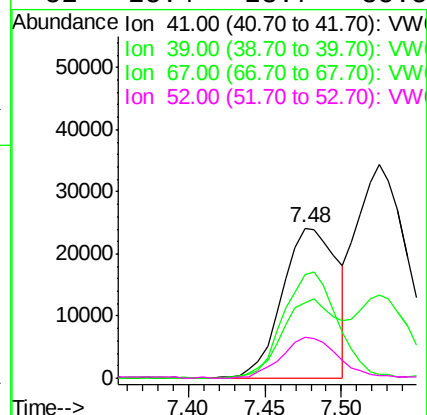
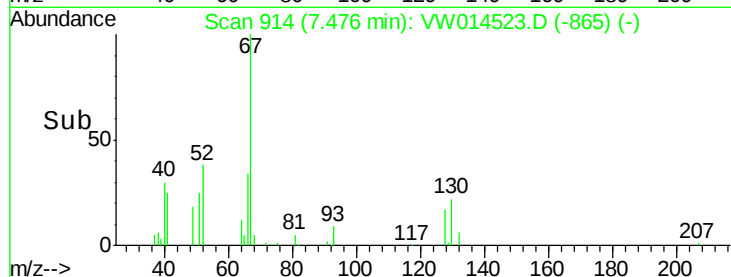
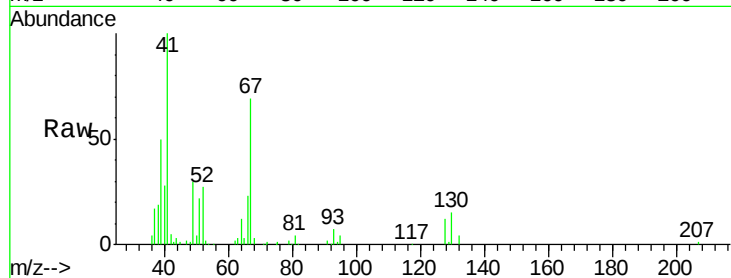
#41
Methacrylonitrile
Concen: 21.036 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.3	46.0	69.0
67	70.0	60.8	91.2
52	28.4	23.7	35.5

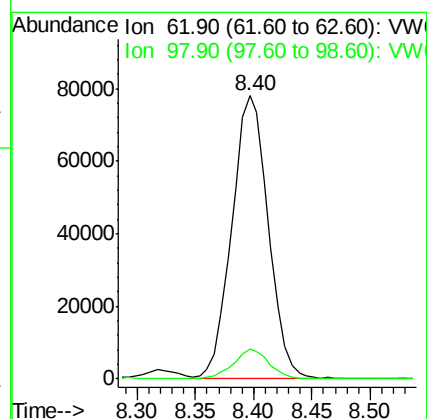
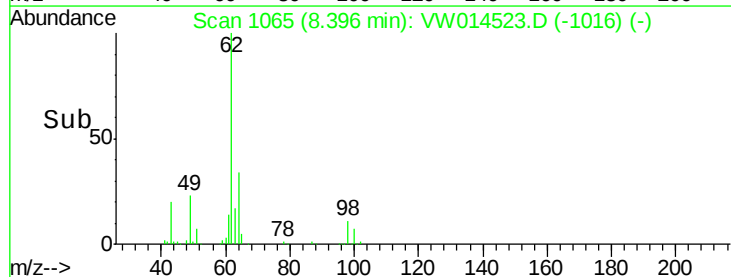
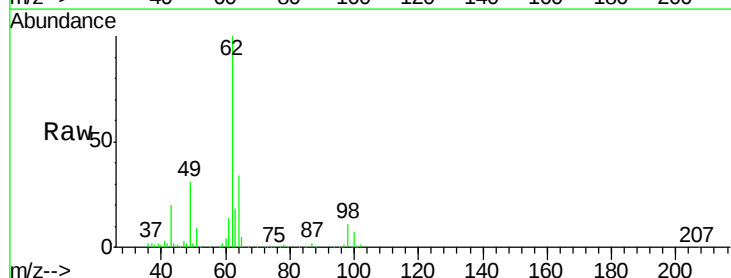
Manual Integrations
APPROVED

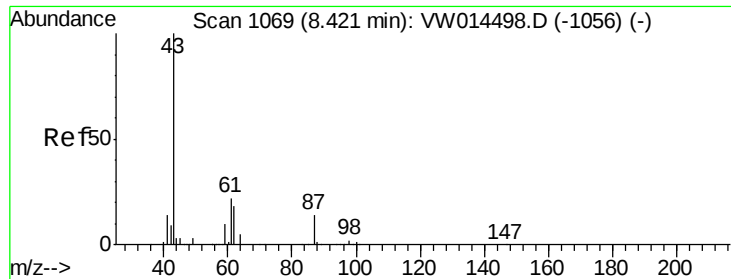
apatel
1/7/2020 10:27:52 AM



#42
1,2-Dichloroethane
Concen: 20.281 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	22.0





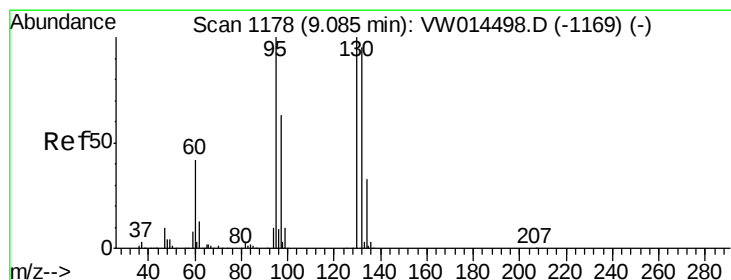
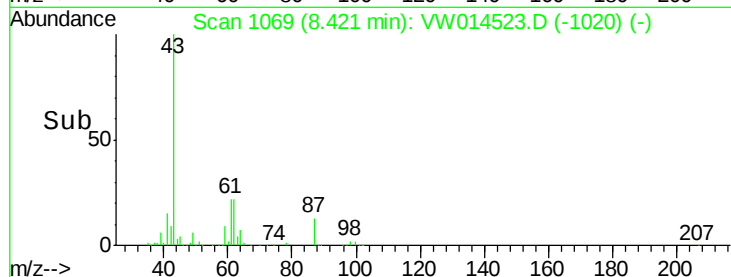
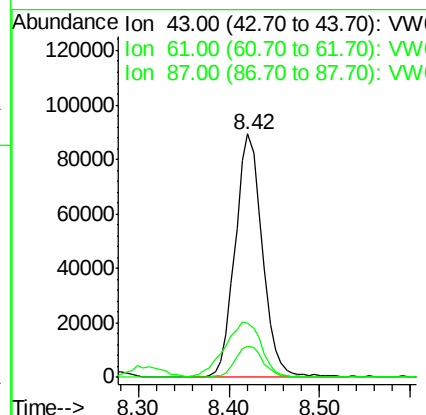
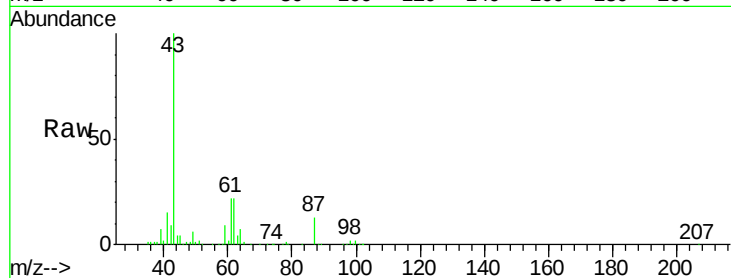
#43
Isopropyl Acetate
Concen: 19.738 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.7	37.1
87	13.1	11.1	16.7

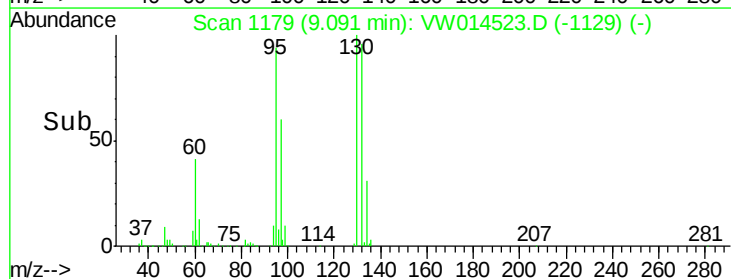
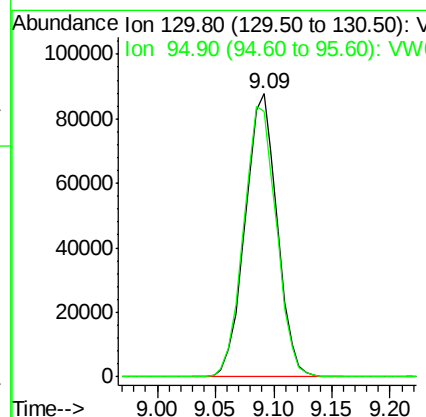
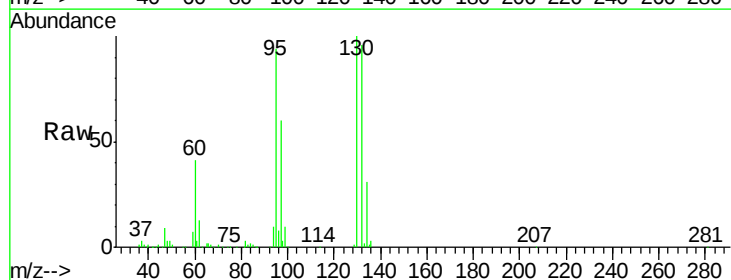
Manual Integrations
APPROVED

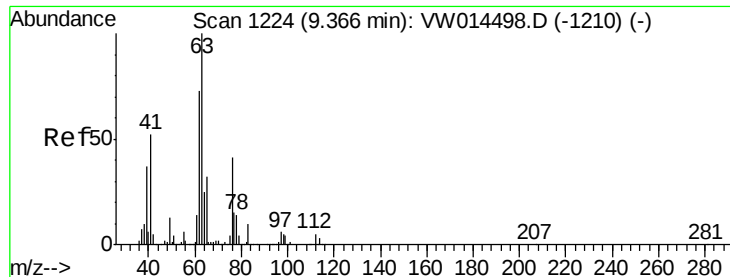
apatel
1/7/2020 10:27:52 AM



#44
Trichloroethene
Concen: 19.311 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	199.4





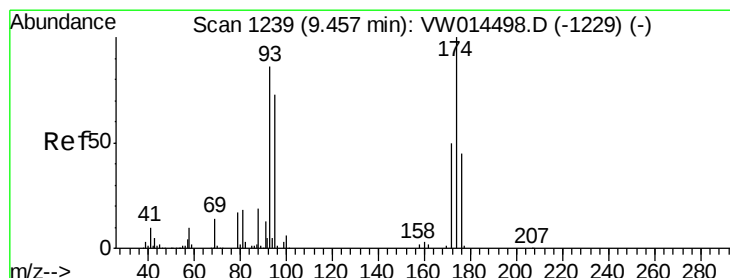
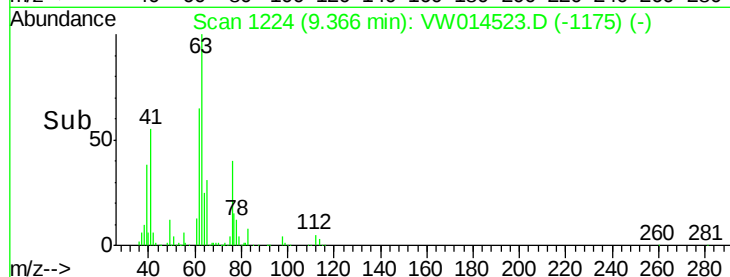
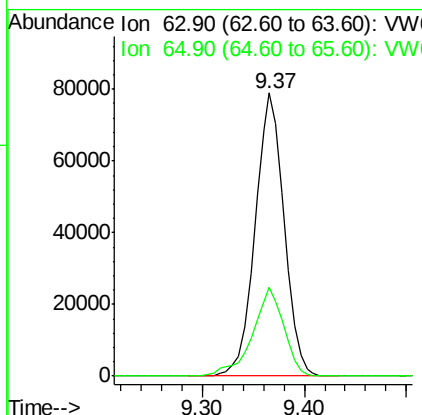
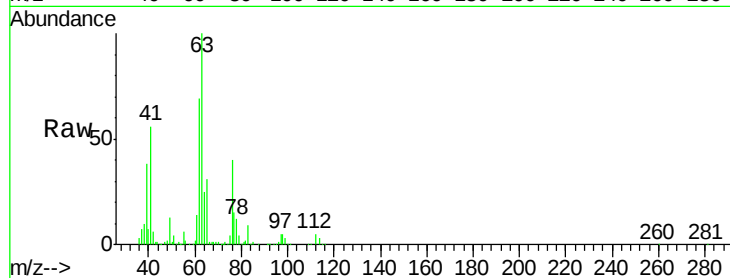
#45
 1,2-Dichloropropane
 Concen: 19.774 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion: 63 Resp: 156244
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4

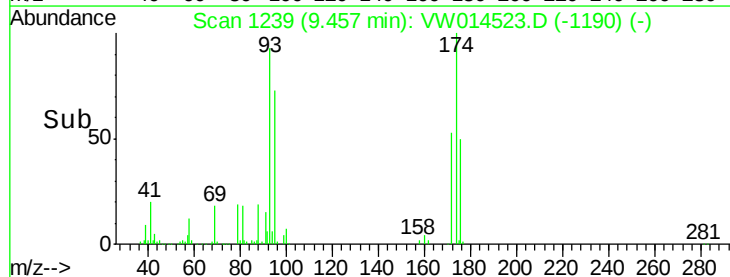
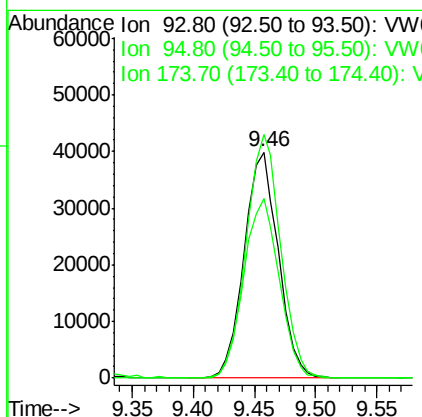
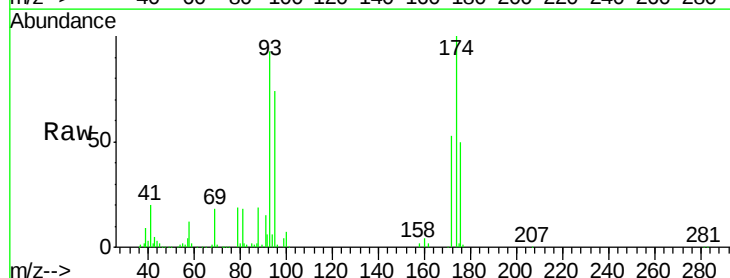
Manual Integrations
 APPROVED

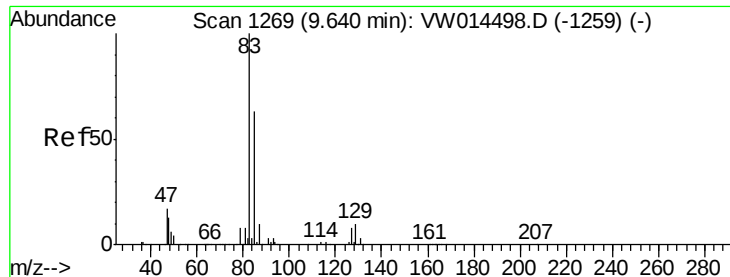
apatel
 1/7/2020 10:27:52 AM



#46
 Dibromomethane
 Concen: 19.895 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Tgt Ion: 93 Resp: 77602
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.4 99.6
 174 108.7 89.1 133.7





#47

Bromodichloromethane

Concen: 20.005 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

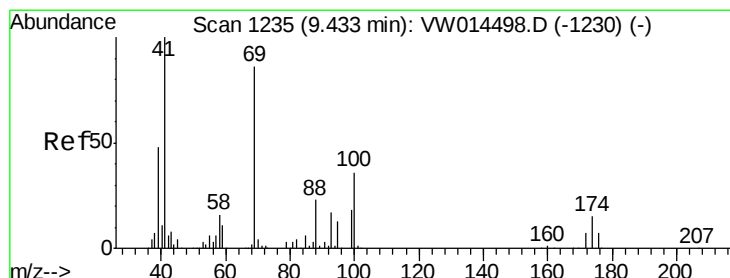
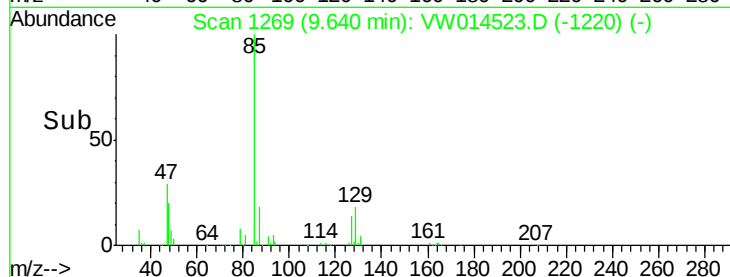
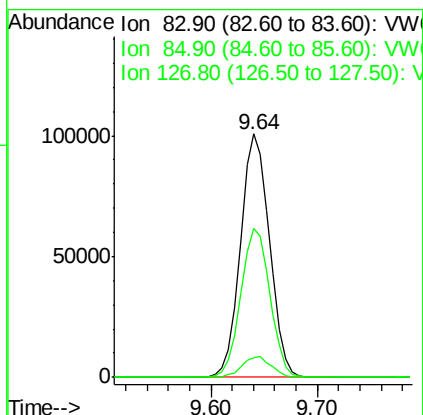
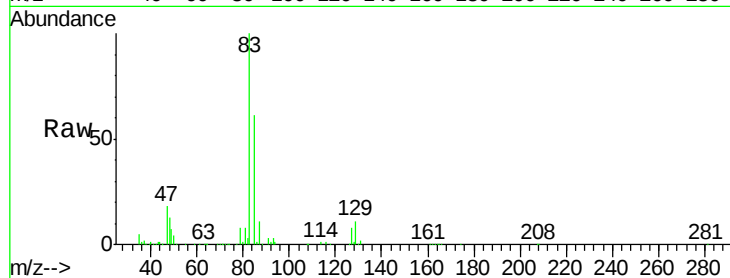
ClientSampleId :

VW0106SBS01

Tgt Ion:	83	Resp:	192651
Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.6	76.0
127	8.3	6.6	9.8

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#48

Methyl methacrylate

Concen: 19.773 ug/l

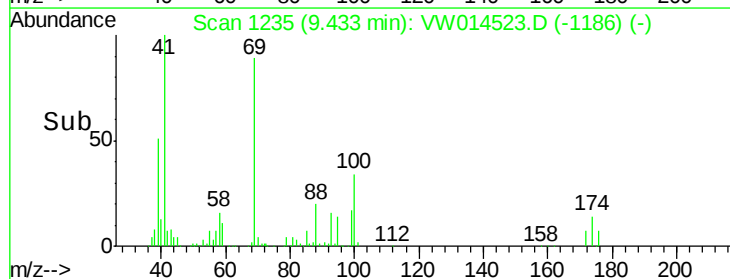
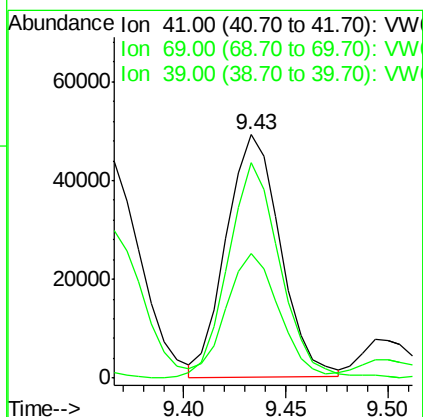
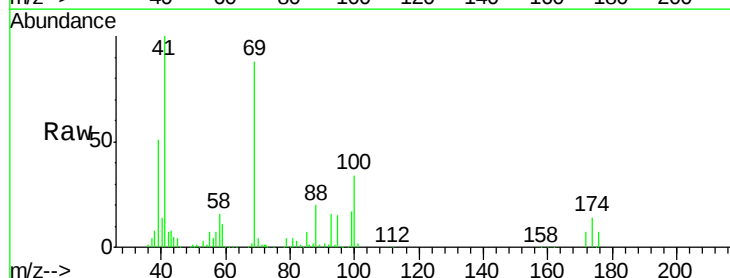
RT: 9.43 min Scan# 1235

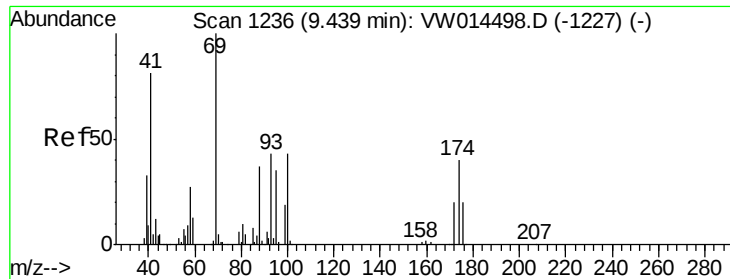
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	41	Resp:	90483
Ion	Ratio	Lower	Upper
41	100		
69	85.0	68.3	102.5
39	45.9	36.8	55.2





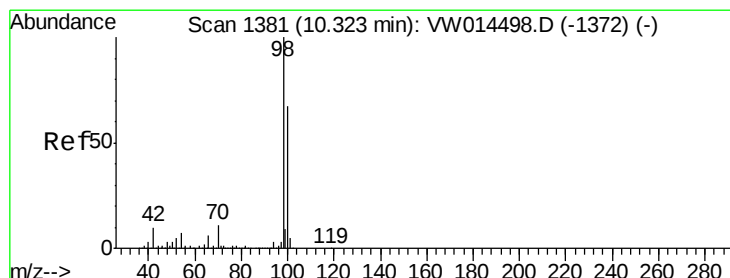
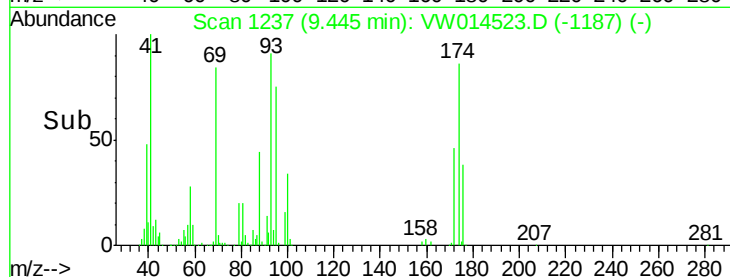
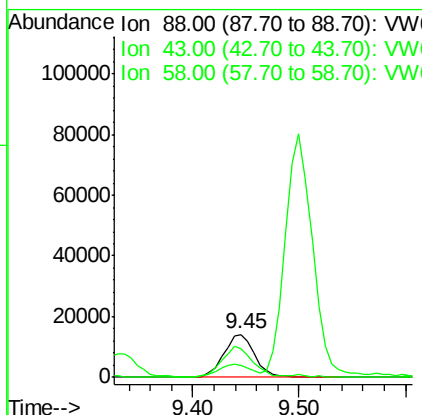
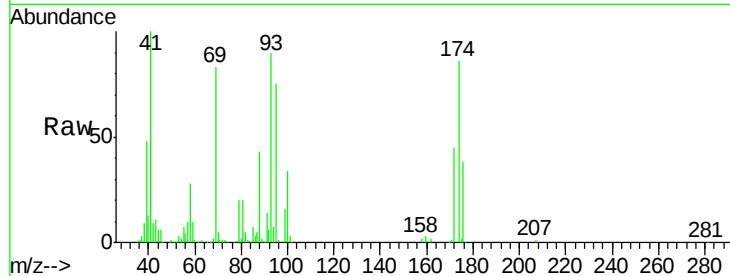
#49
1,4-Dioxane
Concen: 397.966 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.9	37.3
58	70.2	56.9	85.3

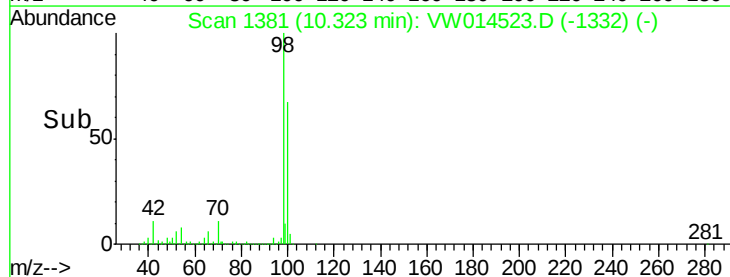
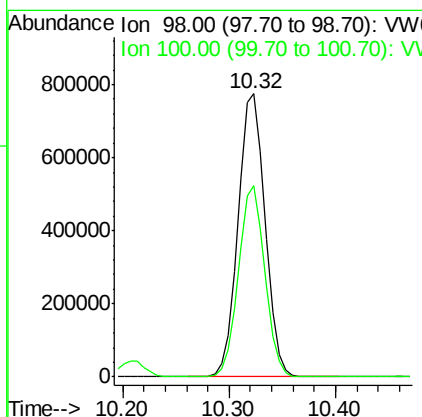
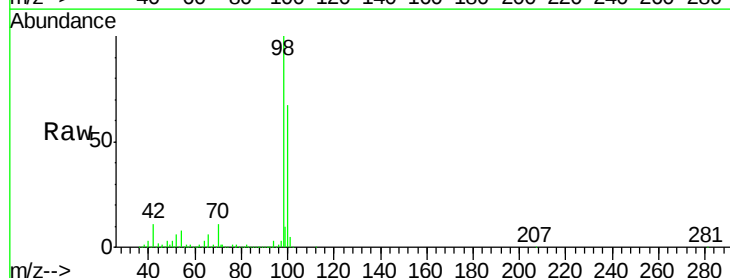
Manual Integrations
APPROVED

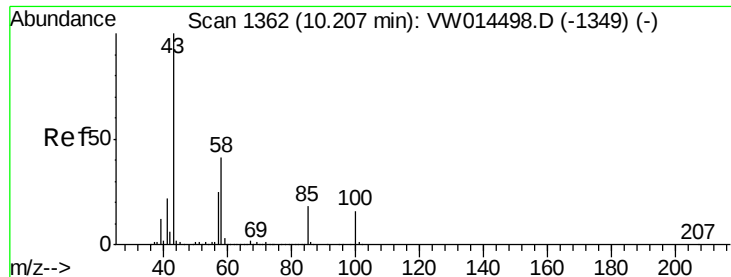
apatel
1/7/2020 10:27:52 AM



#50
Toluene-d8
Concen: 49.049 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.8	80.6





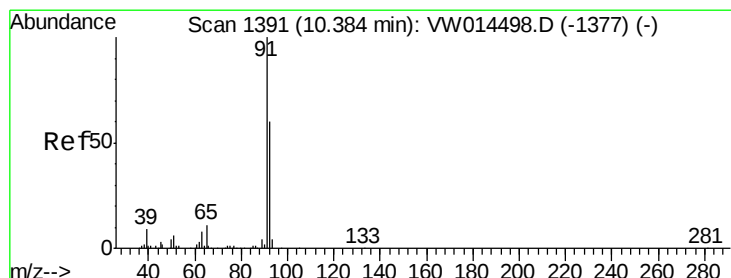
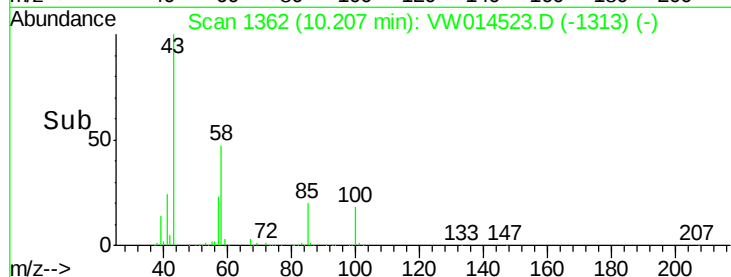
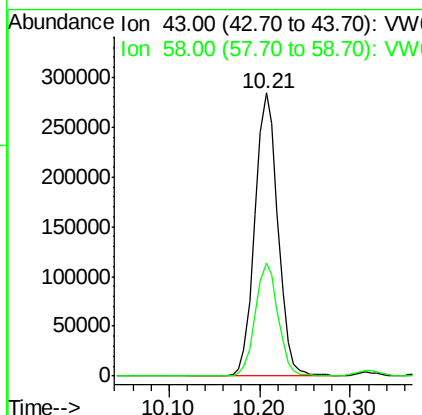
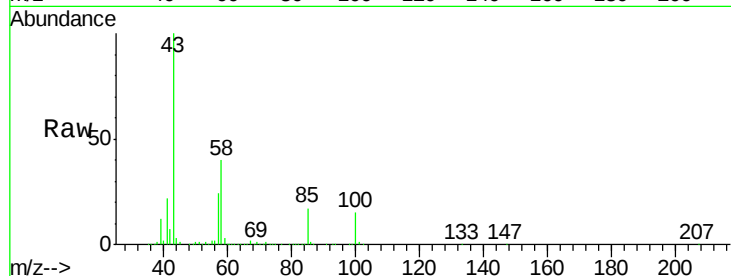
#51
 4-Methyl-2-Pentanone
 Concen: 102.499 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion: 43 Resp: 498880
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.7 49.1

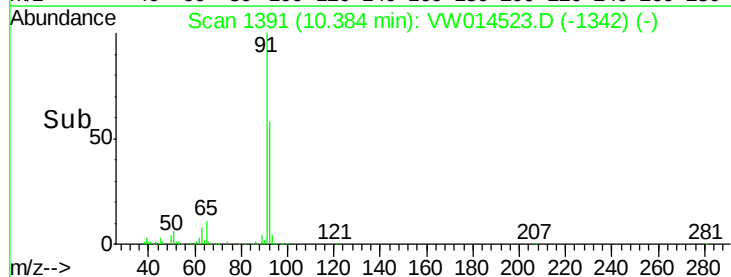
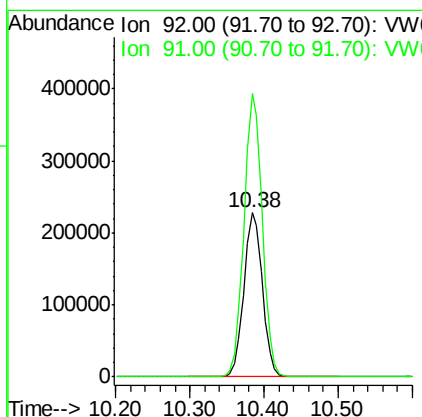
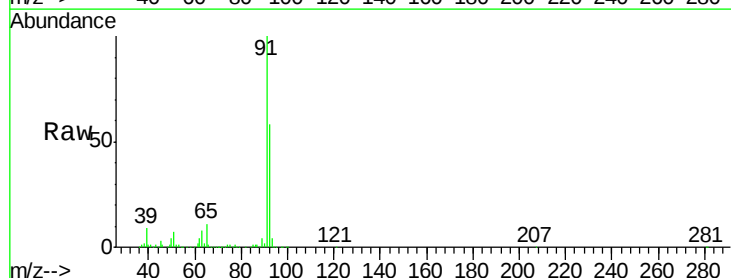
Manual Integrations
 APPROVED

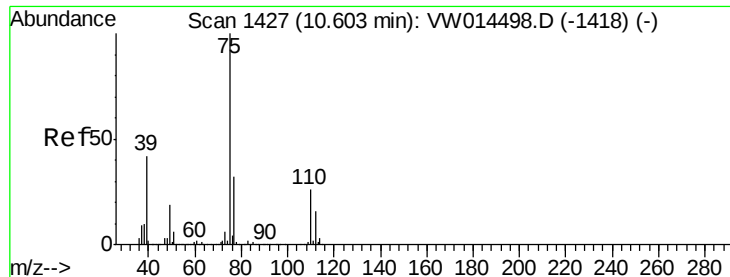
apatel
 1/7/2020 10:27:52 AM



#52
 Toluene
 Concen: 19.651 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Tgt Ion: 92 Resp: 398076
 Ion Ratio Lower Upper
 92 100
 91 171.1 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 19.494 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampled :

VW0106SBSD01

Tgt Ion: 75 Resp: 194377

Ion Ratio Lower Upper

75 100

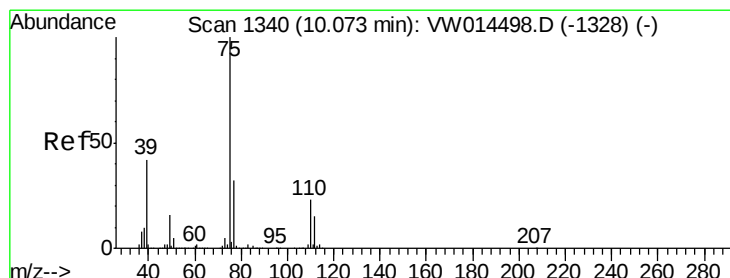
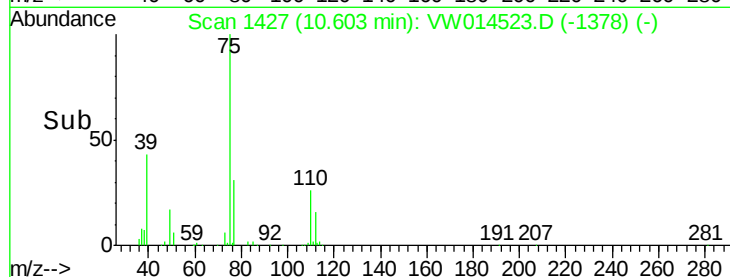
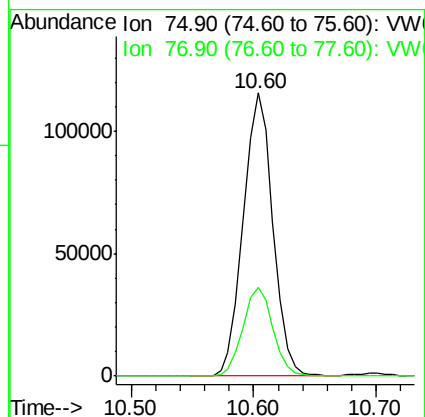
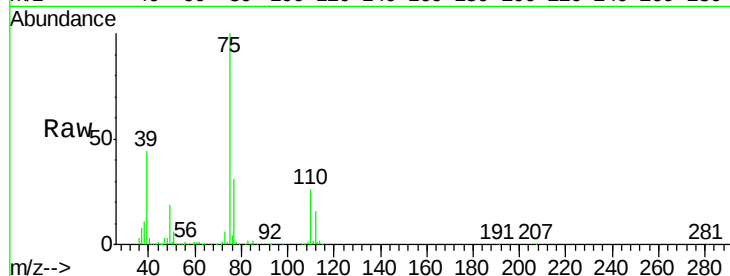
77 31.3 25.4 38.2

Manual Integrations

APPROVED

apatel

1/7/2020 10:27:52 AM



#54

cis-1,3-Dichloropropene

Concen: 19.423 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

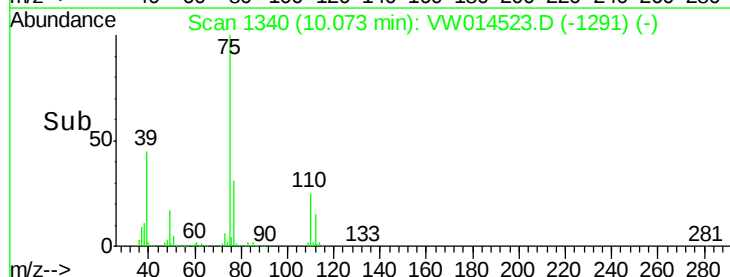
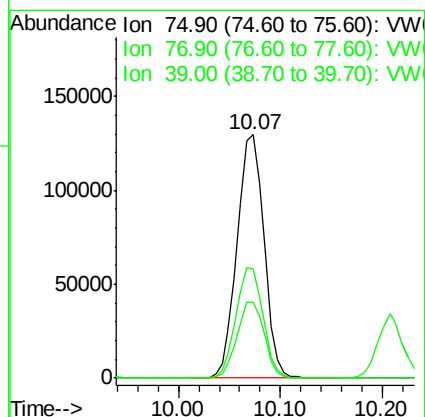
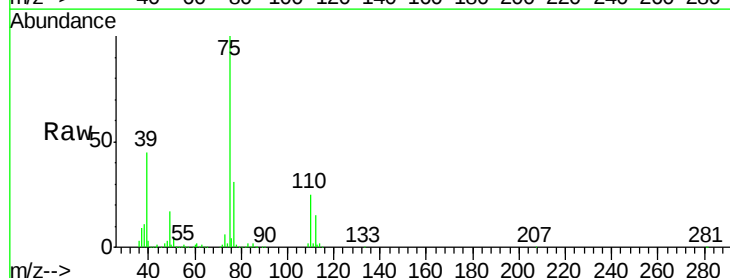
Tgt Ion: 75 Resp: 236689

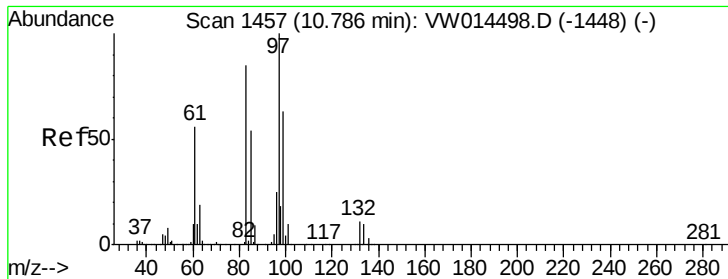
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 44.6 33.4 50.2





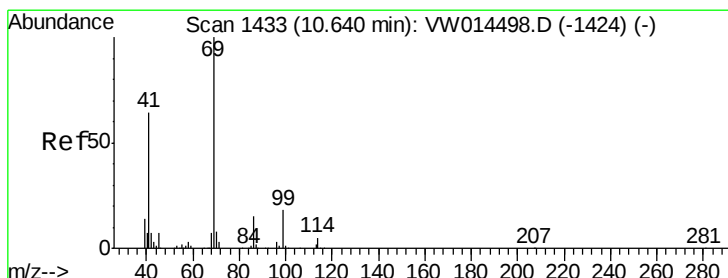
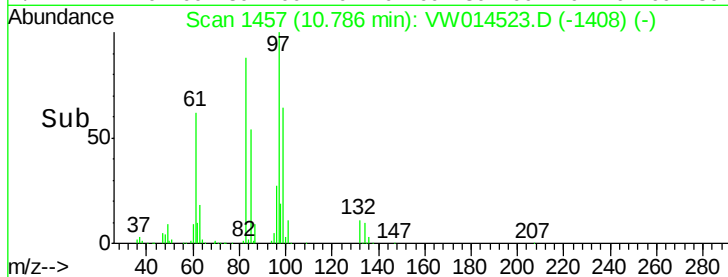
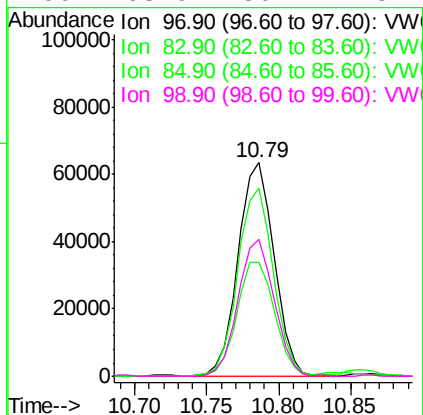
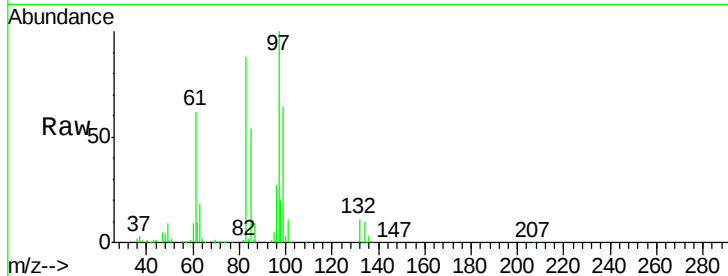
#55
 1,1,2-Trichloroethane
 Concen: 19.396 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.2	102.4
85	53.5	43.0	64.4
99	63.9	50.1	75.1

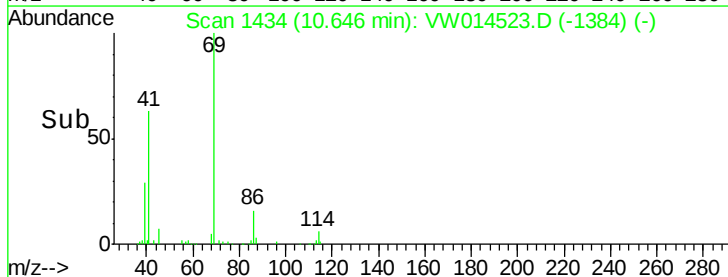
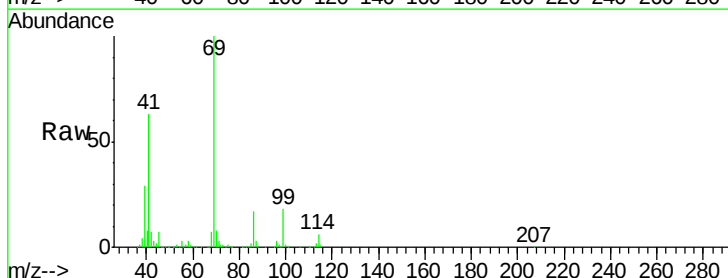
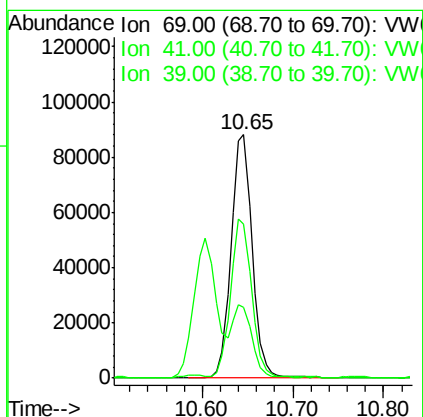
Manual Integrations
 APPROVED

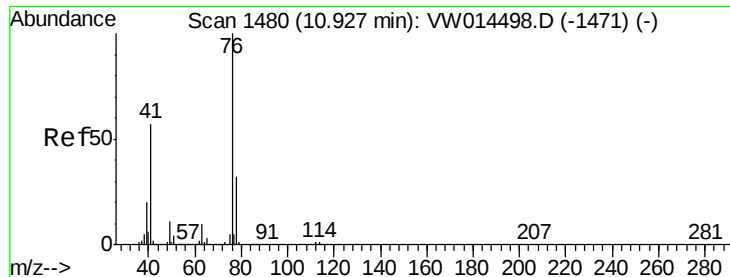
apatel
 1/7/2020 10:27:52 AM



#56
 Ethyl methacrylate
 Concen: 19.491 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.3	76.9
39	27.1	21.0	31.6





#57

1,3-Dichloropropane

Concen: 19.864 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampled :

VW0106SBS01

Tgt Ion: 76 Resp: 198887

Ion Ratio Lower Upper

76 100

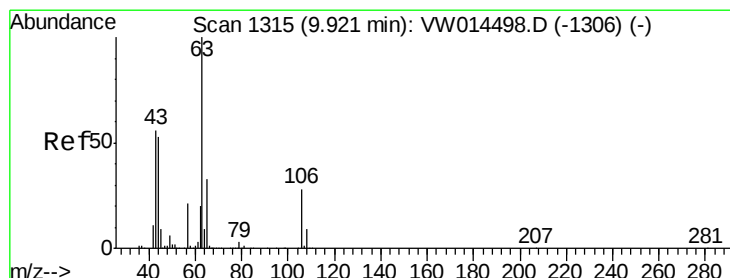
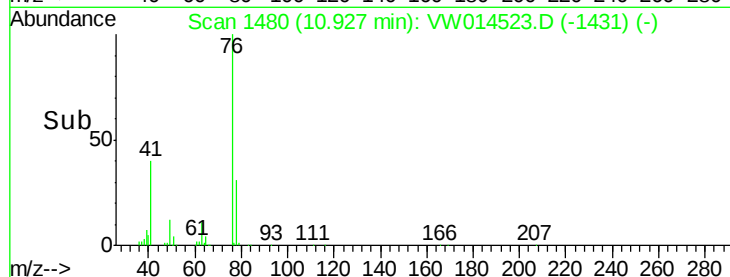
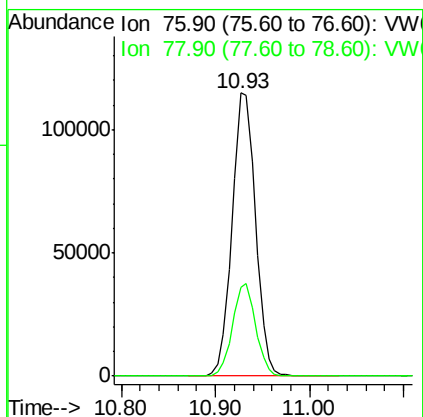
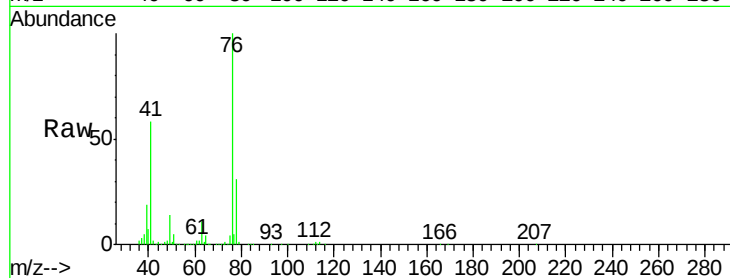
78 32.4 25.9 38.9

Manual Integrations

APPROVED

apatel

1/7/2020 10:27:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.124 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014523.D

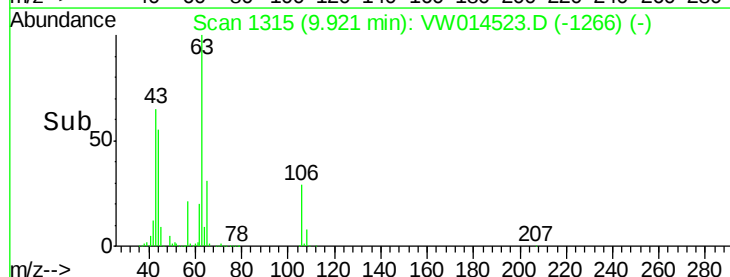
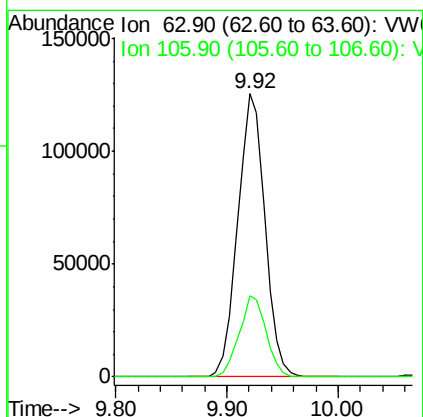
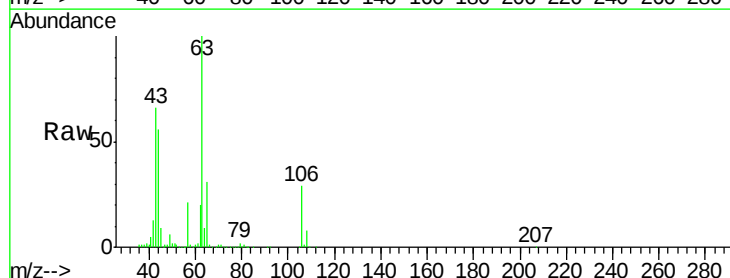
Acq: 06 Jan 2020 15:03

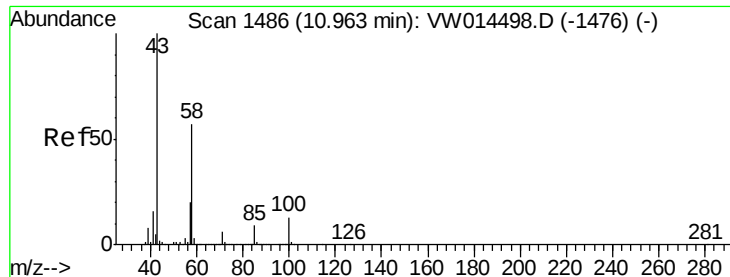
Tgt Ion: 63 Resp: 211938

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





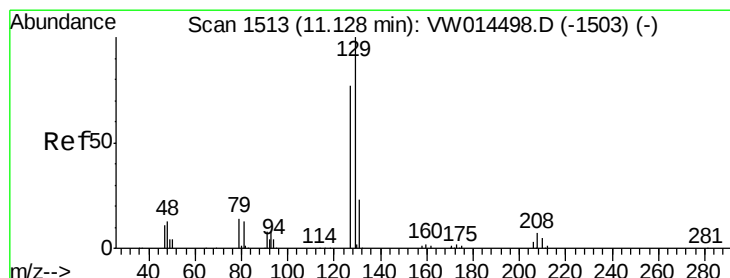
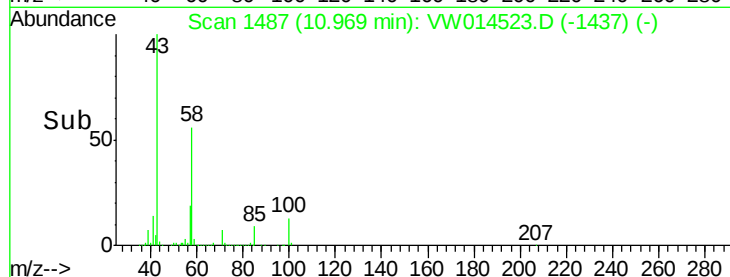
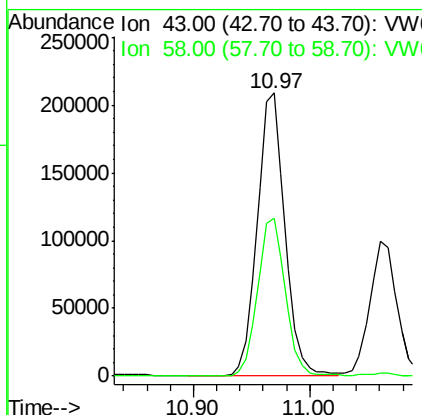
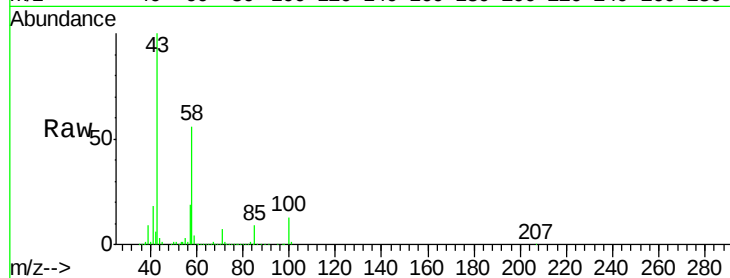
#59
2-Hexanone
Concen: 103.398 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

Tgt Ion: 43 Resp: 346786
Ion Ratio Lower Upper
43 100
58 56.0 28.7 86.3

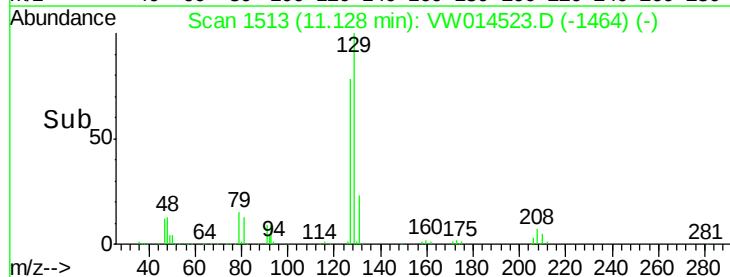
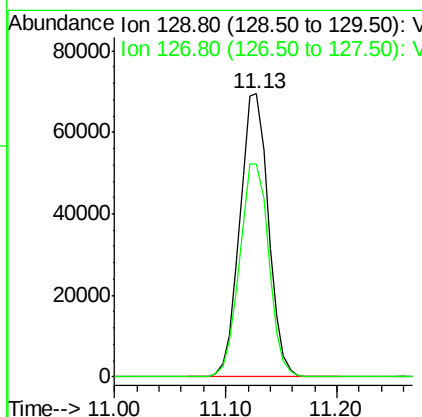
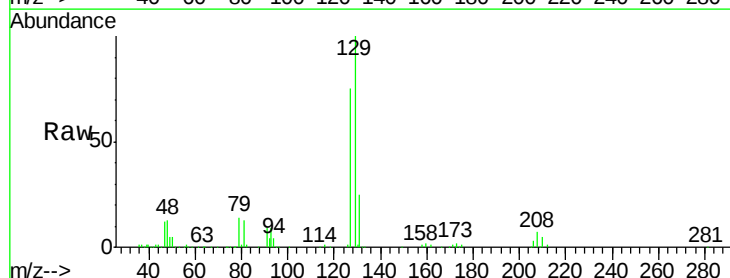
Manual Integrations
APPROVED

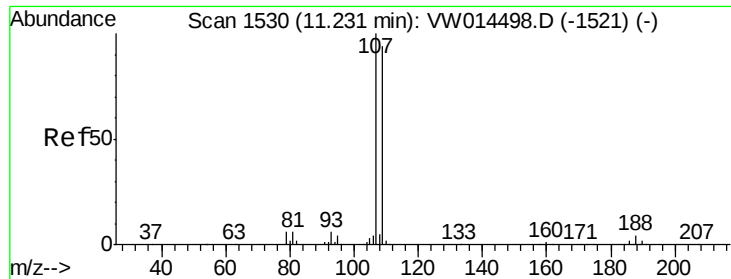
apatel
1/7/2020 10:27:52 AM



#60
Dibromochloromethane
Concen: 19.319 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion: 129 Resp: 124177
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





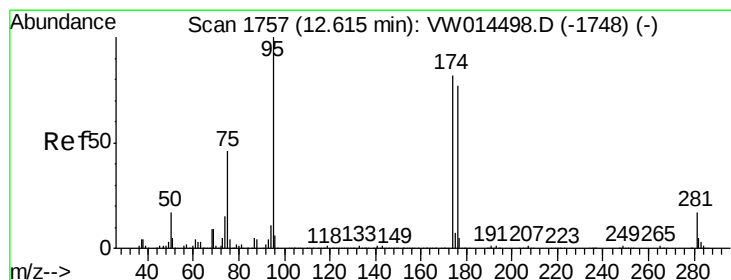
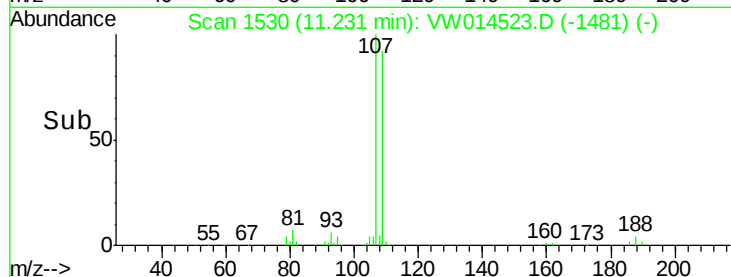
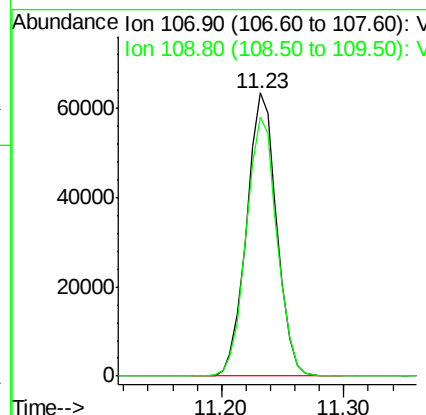
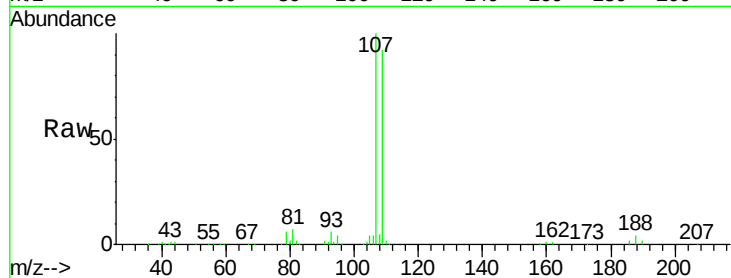
#61
1,2-Dibromoethane
Concen: 20.019 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

Tgt Ion: 107 Resp: 108252
Ion Ratio Lower Upper
107 100
109 93.6 75.1 112.7

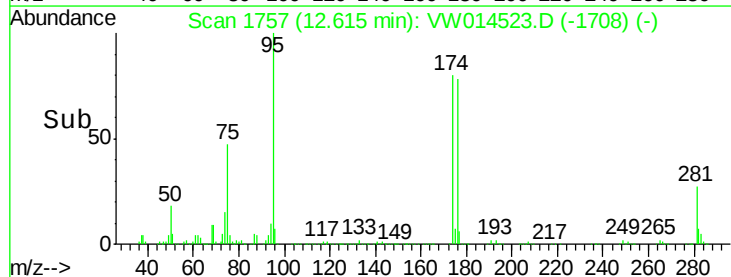
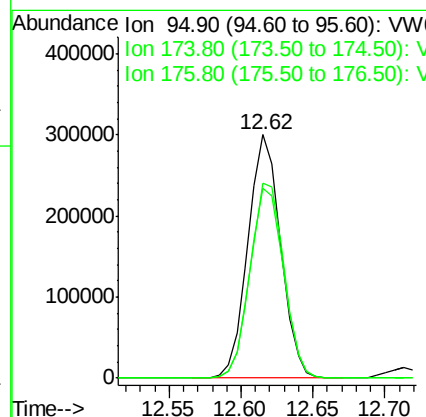
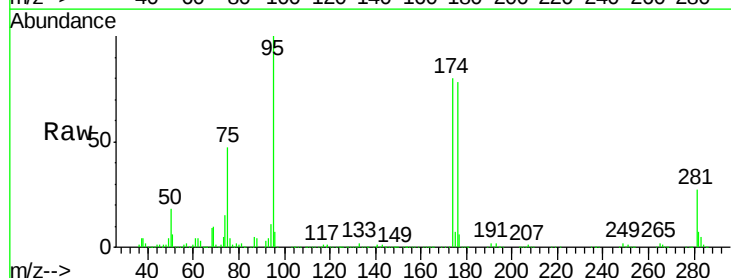
Manual Integrations
APPROVED

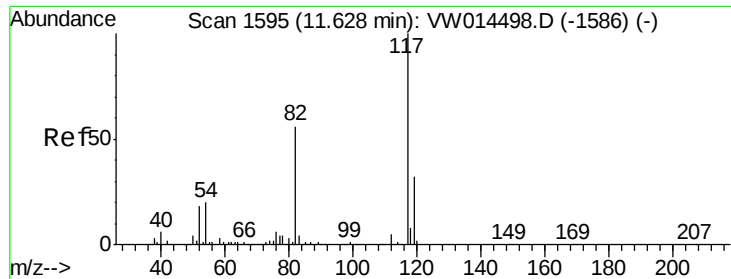
apatel
1/7/2020 10:27:52 AM



#62
4-Bromofluorobenzene
Concen: 49.194 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion: 95 Resp: 469802
Ion Ratio Lower Upper
95 100
174 82.9 0.0 168.6
176 80.7 0.0 162.0





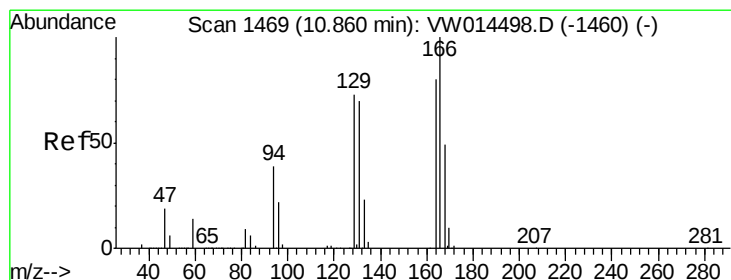
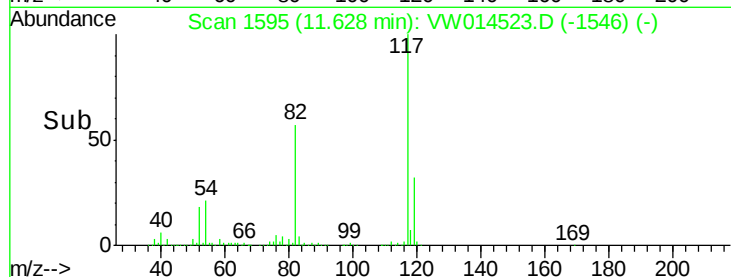
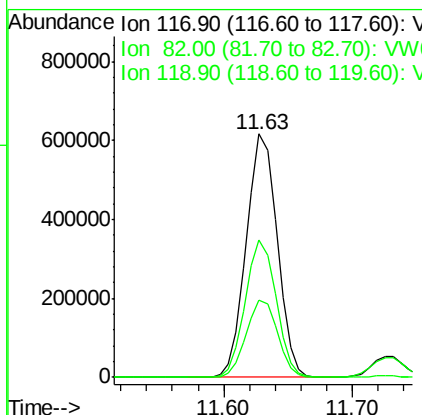
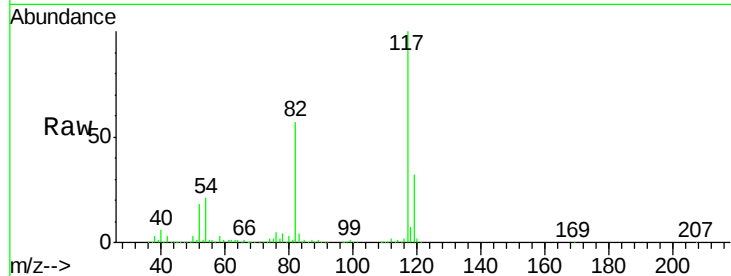
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	31.5	25.7	38.5

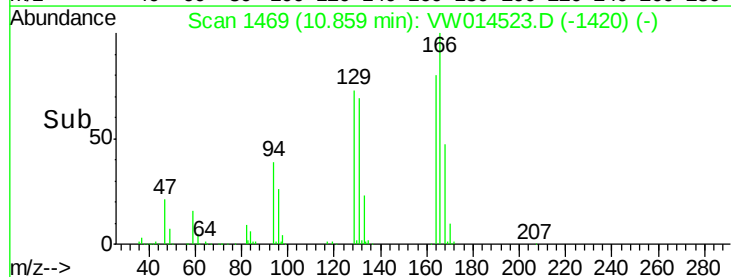
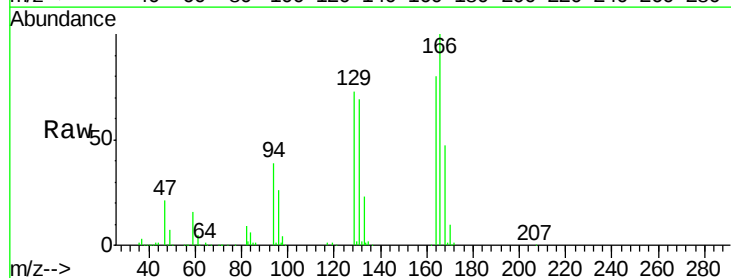
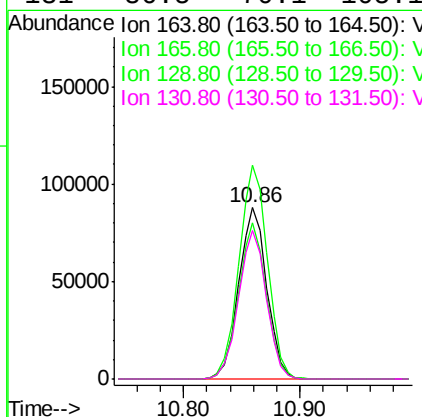
Manual Integrations
APPROVED

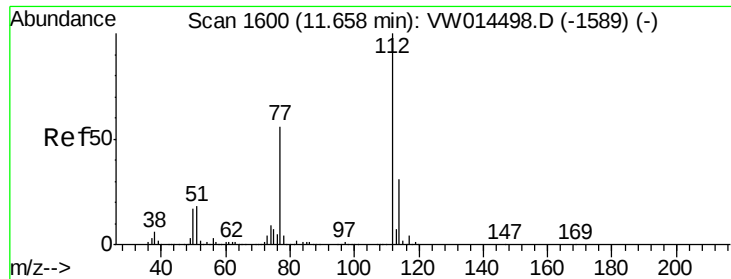
apatel
1/7/2020 10:27:52 AM



#64
Tetrachloroethene
Concen: 19.805 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	99.8	149.6
129	91.1	72.4	108.6
131	86.5	70.1	105.1





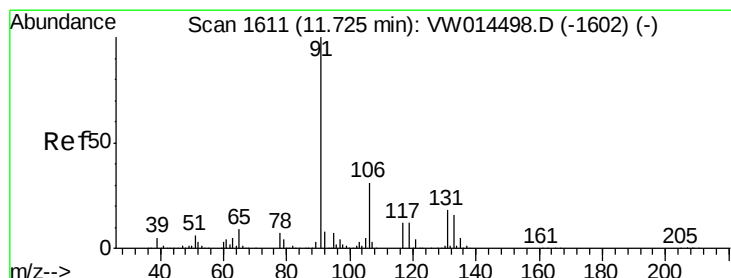
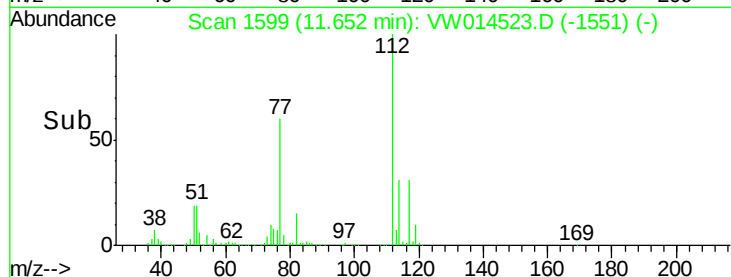
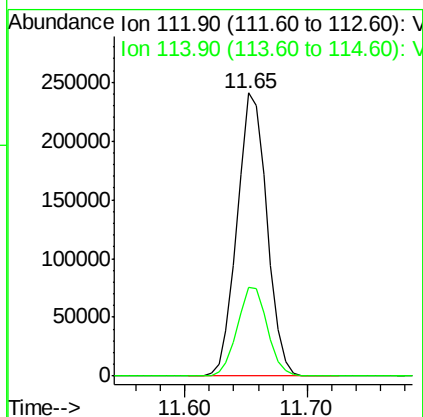
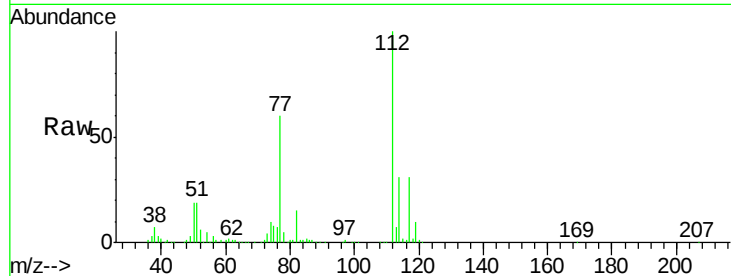
#65
Chlorobenzene
Concen: 19.311 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion:112 Resp: 406093
Ion Ratio Lower Upper
112 100
114 31.4 24.6 37.0

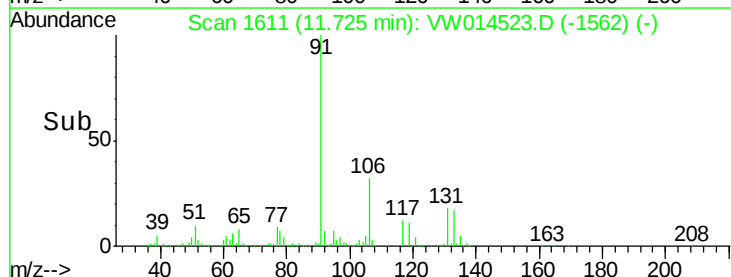
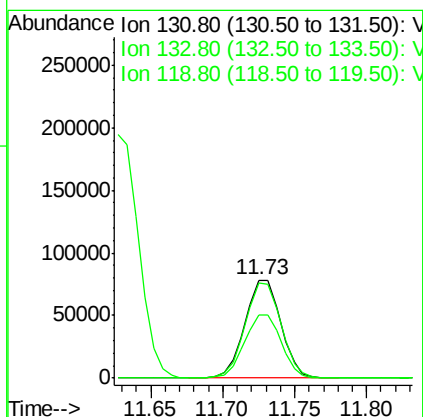
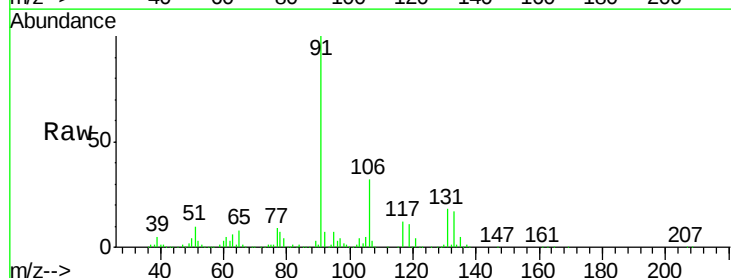
Manual Integrations
APPROVED

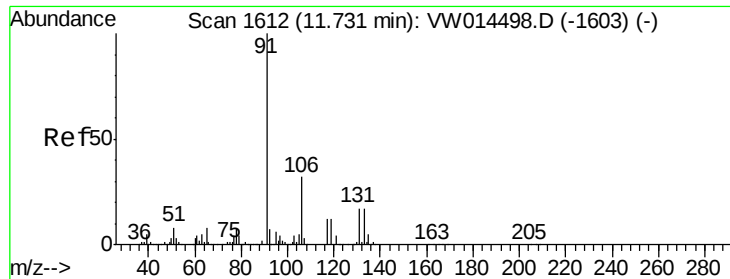
apatel
1/7/2020 10:27:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.132 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion:131 Resp: 135464
Ion Ratio Lower Upper
131 100
133 96.9 47.3 142.0
119 66.1 33.1 99.3





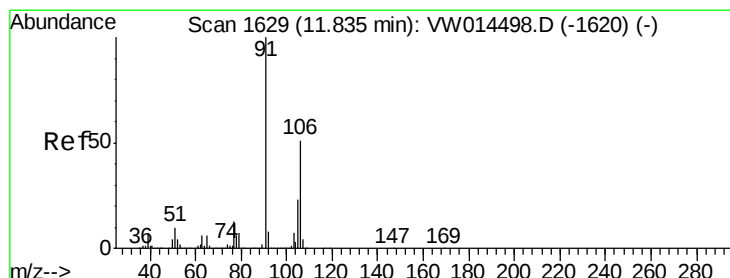
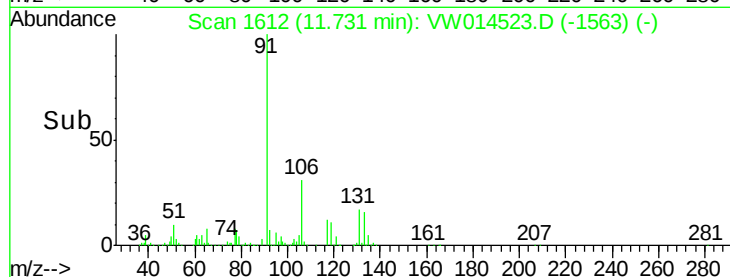
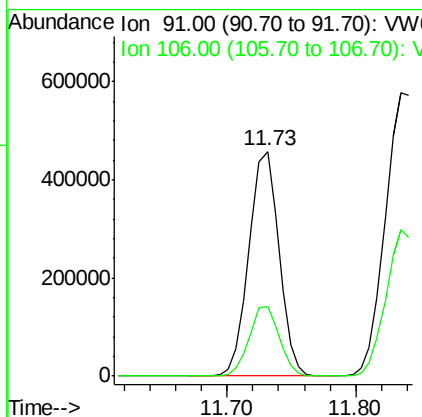
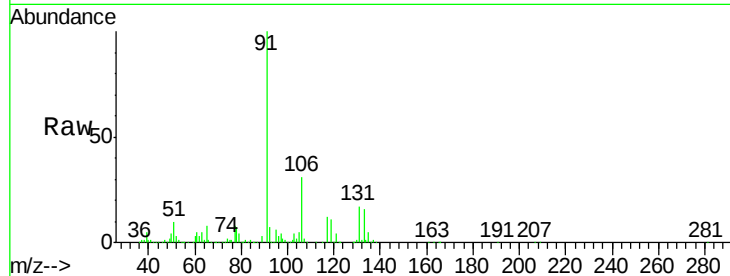
#67
Ethyl Benzene
Concen: 19.492 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

Tgt Ion: 91 Resp: 738686
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

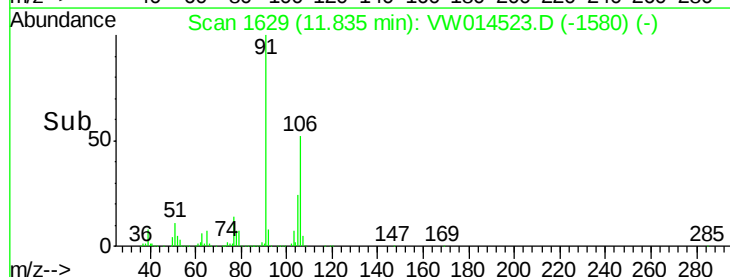
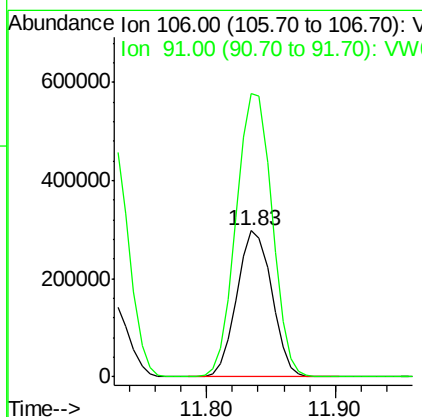
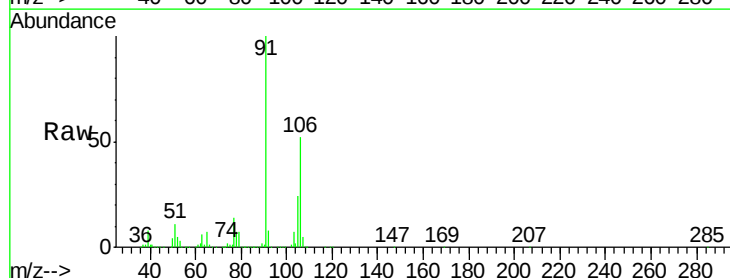
Manual Integrations
APPROVED

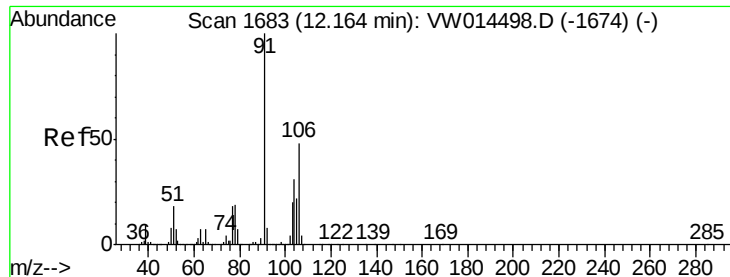
apatel
1/7/2020 10:27:52 AM



#68
m/p-Xylenes
Concen: 38.753 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion: 106 Resp: 562091
Ion Ratio Lower Upper
106 100
91 198.7 159.0 238.6





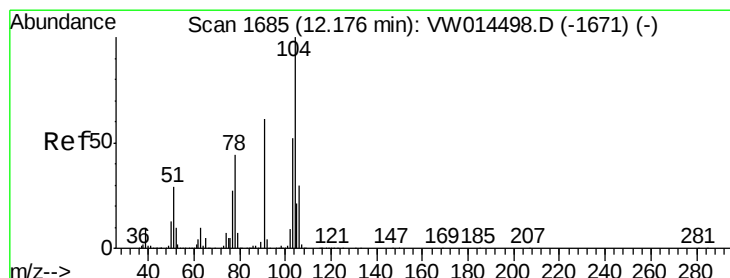
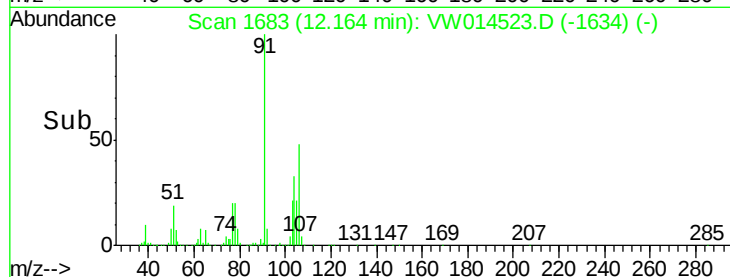
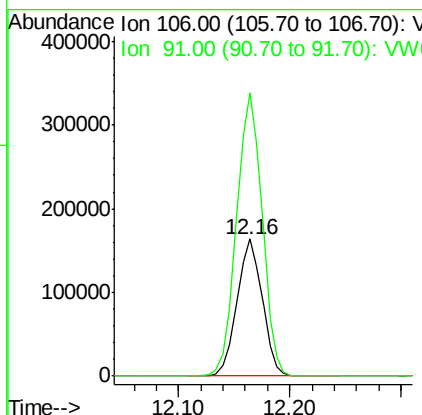
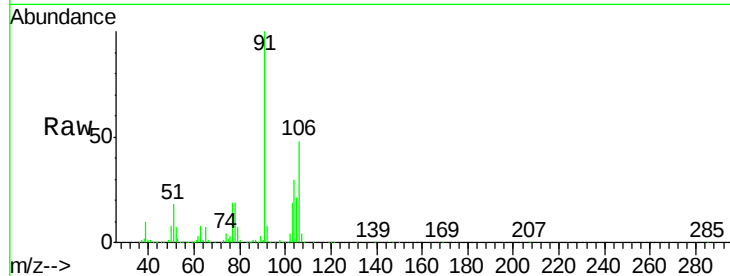
#69
o-Xylene
Concen: 19.244 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBSD01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.1	105.2	315.6

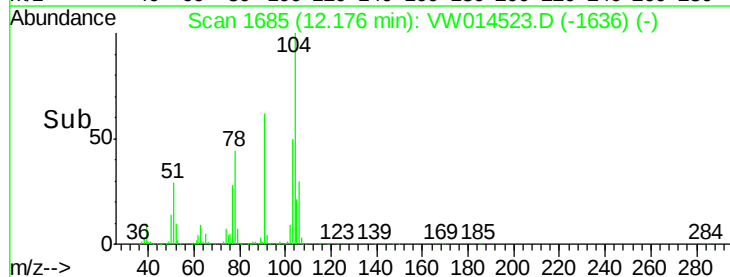
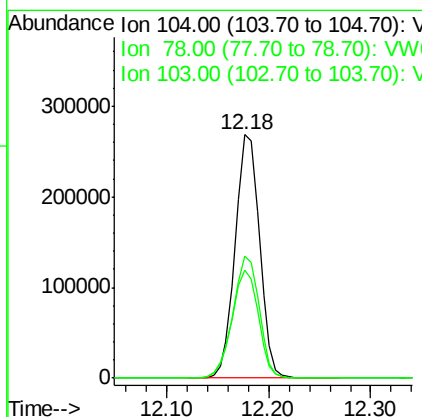
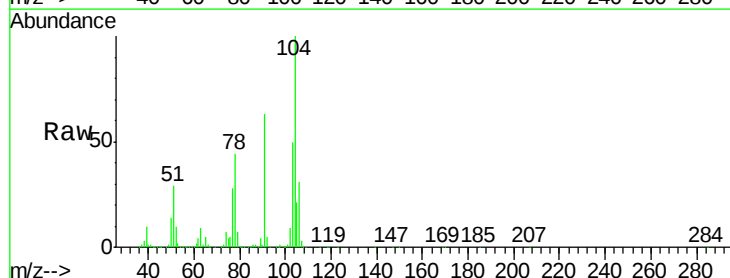
Manual Integrations
APPROVED

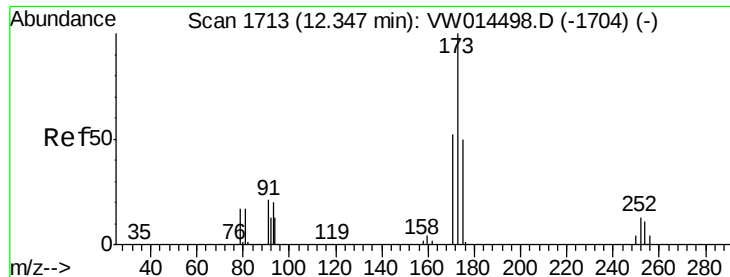
apatel
1/7/2020 10:27:52 AM



#70
Styrene
Concen: 19.594 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.4	57.6
103	53.8	43.7	65.5





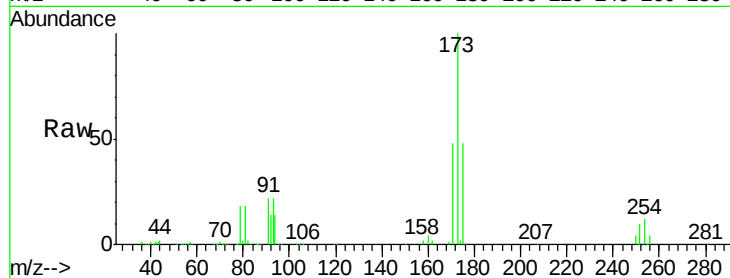
#71
Bromoform
Concen: 19.140 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

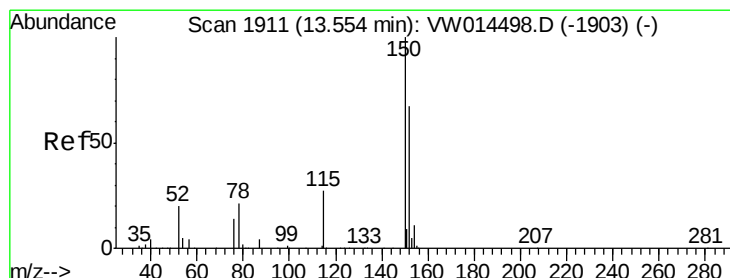
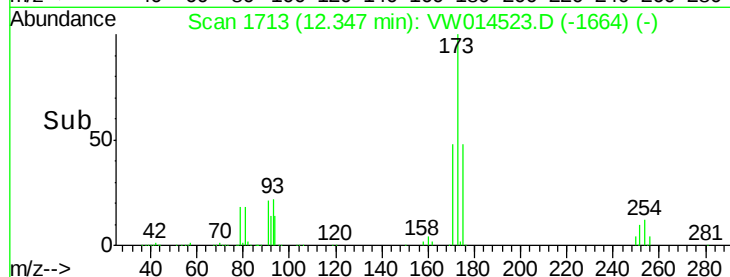
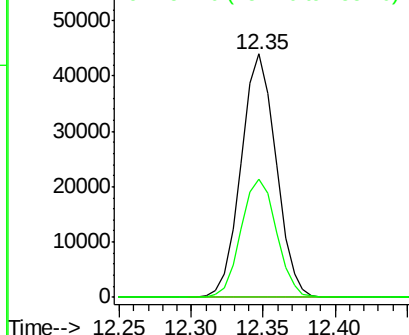
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.5	73.5
254	0.2	0.0	0.0

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM

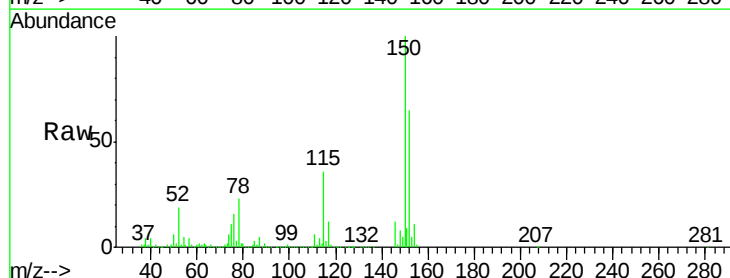


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

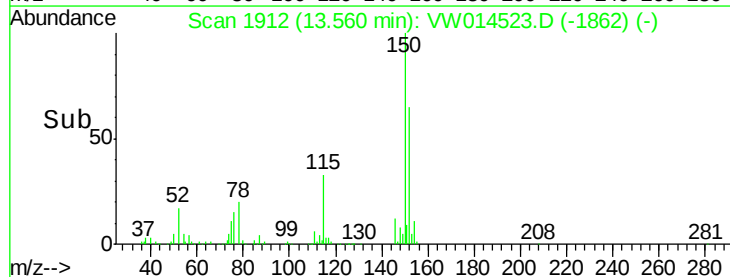
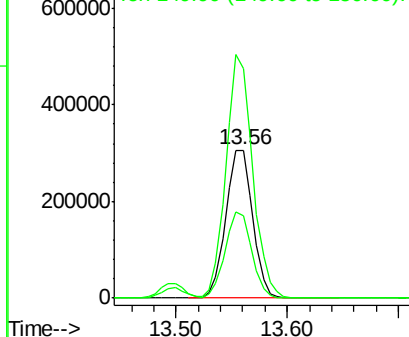


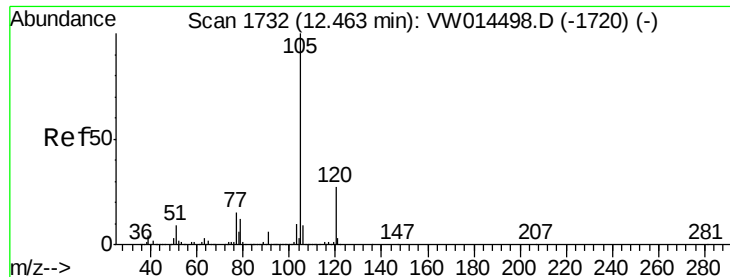
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.7	83.1
150	163.5	0.0	343.4



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: 19.047 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

Tgt Ion: 105 Resp: 713544

Ion Ratio Lower Upper

105 100

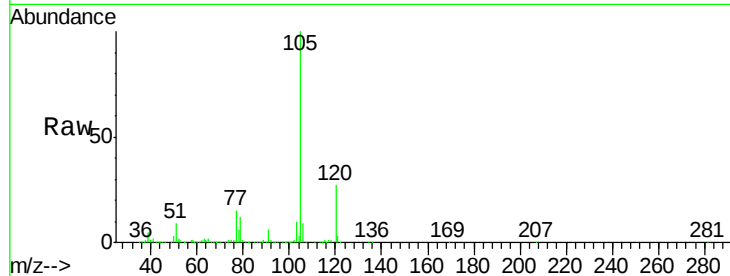
120 26.4 13.4 40.1

Manual Integrations

APPROVED

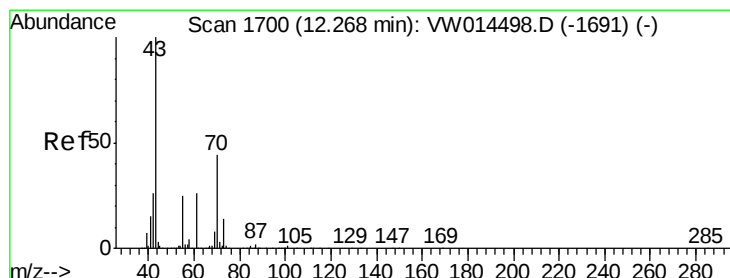
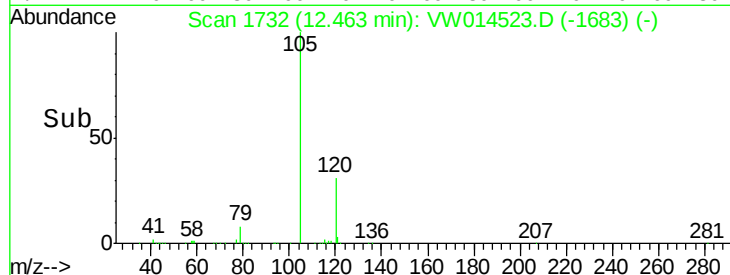
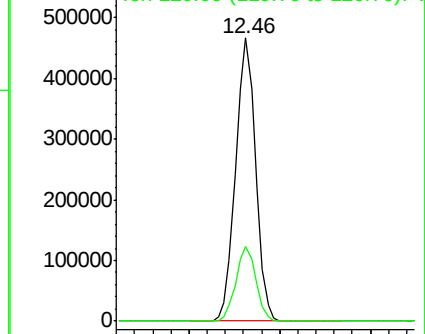
apatel

1/7/2020 10:27:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.111 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion: 43 Resp: 168928

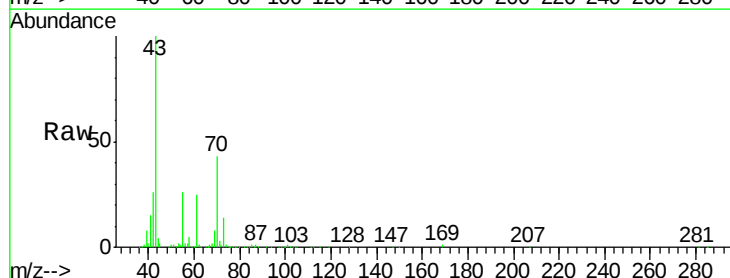
Ion Ratio Lower Upper

43 100

70 43.7 36.5 54.7

55 25.9 20.9 31.3

61 25.1 20.7 31.1

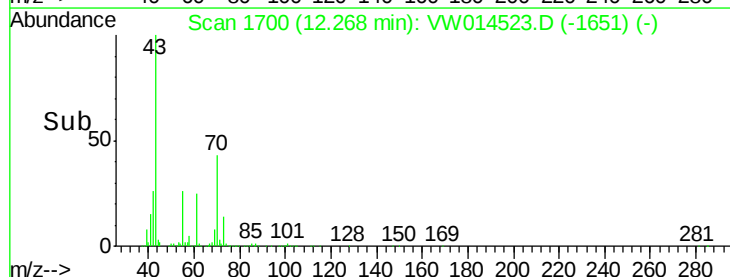
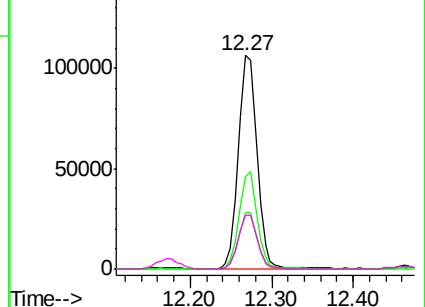


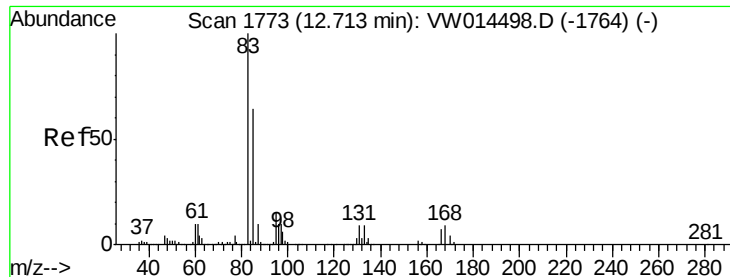
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.450 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

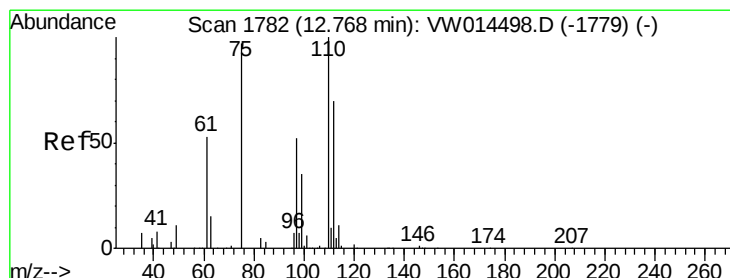
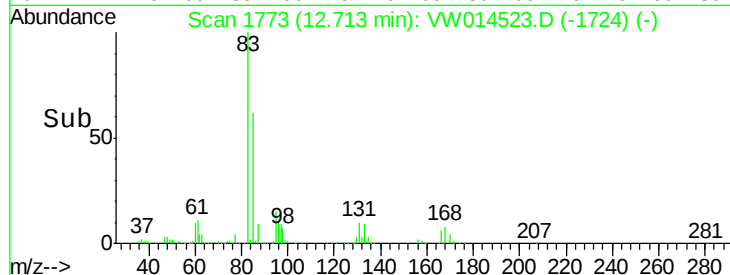
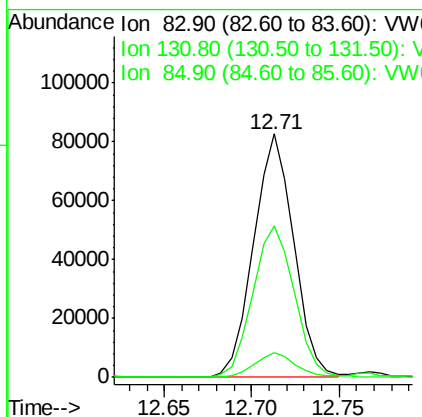
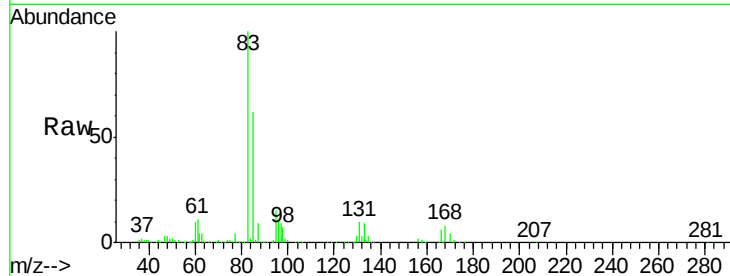
ClientSampleId :

VW0106SBS01

Tgt Ion:	83	Resp:	131518
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	64.5	31.9	95.7

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#76

1,2,3-Trichloropropane

Concen: 20.940 ug/l m

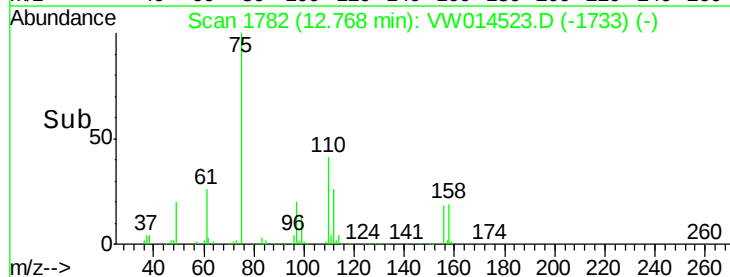
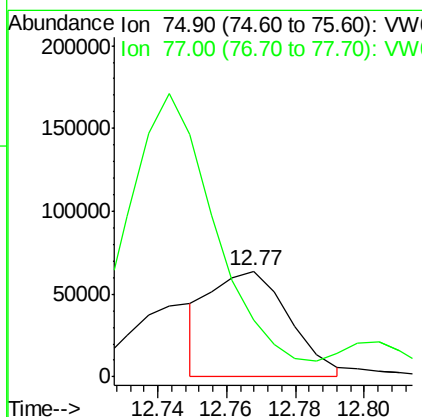
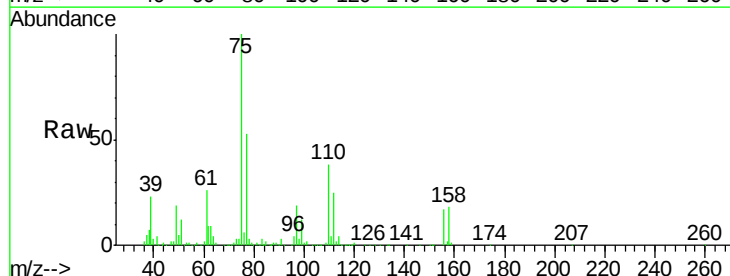
RT: 12.77 min Scan# 1782

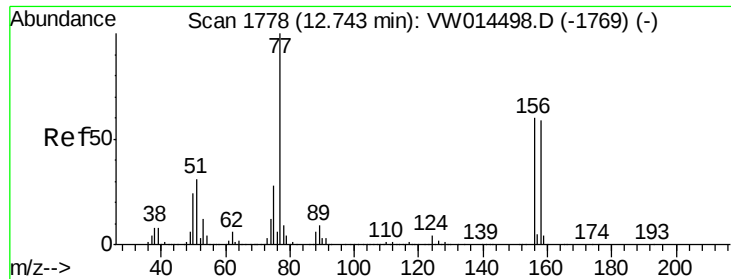
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	75	Resp:	101081
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.054 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

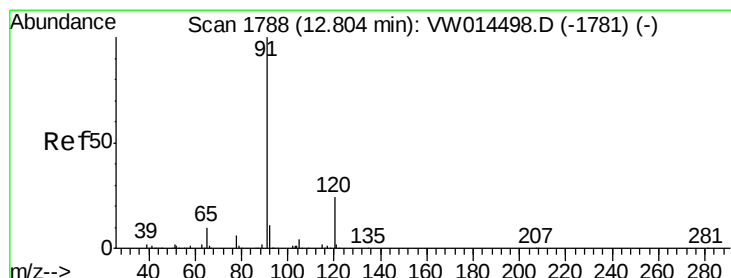
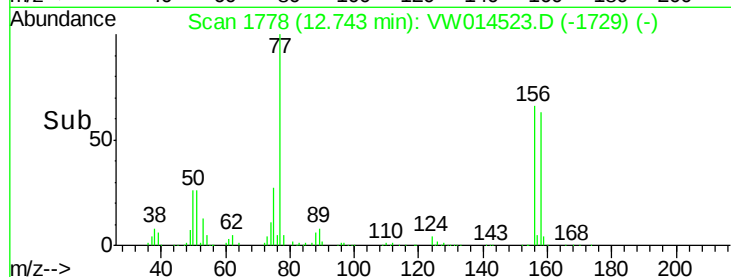
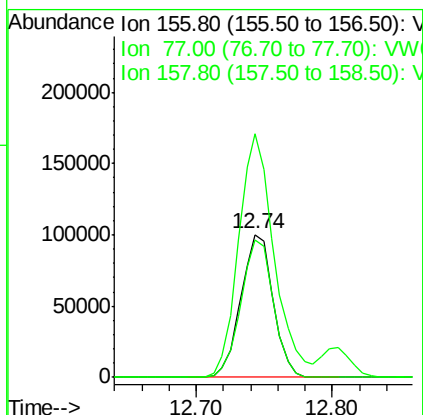
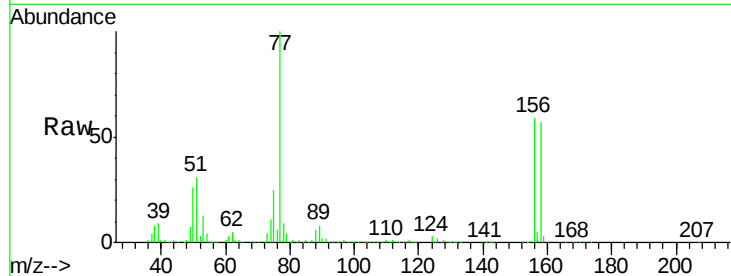
ClientSampled :

VW0106SBS01

Tgt Ion:	156	Resp:	165785
Ion Ratio	Lower	Upper	
156	100		
77	188.3	92.3	277.1
158	97.0	48.6	145.9

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#78

n-propylbenzene

Concen: 19.581 ug/l

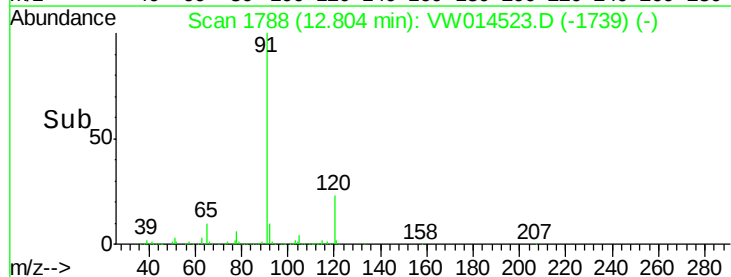
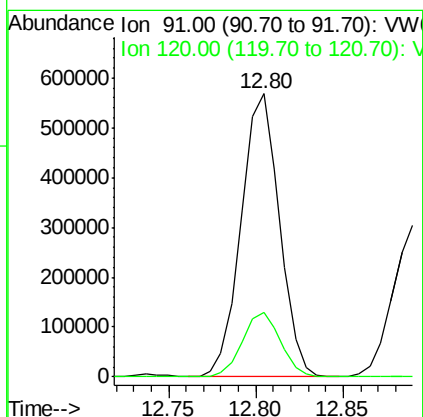
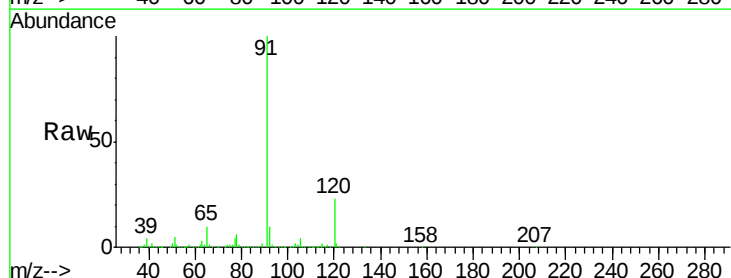
RT: 12.80 min Scan# 1788

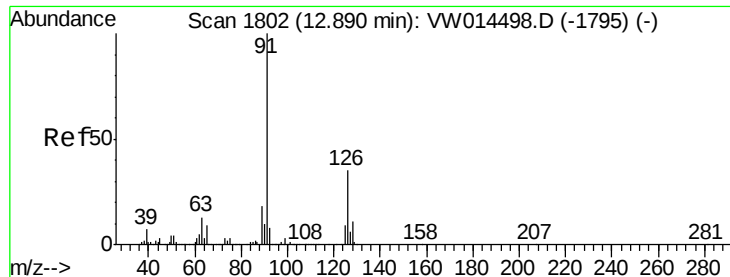
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	91	Resp:	862585
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 19.232 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBSD01

Tgt Ion: 91 Resp: 482125

Ion Ratio Lower Upper

91 100

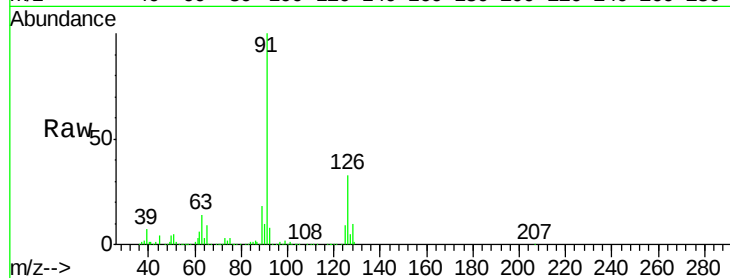
126 34.1 17.1 51.2

Manual Integrations

APPROVED

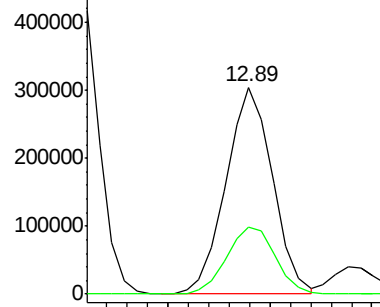
apatel

1/7/2020 10:27:52 AM

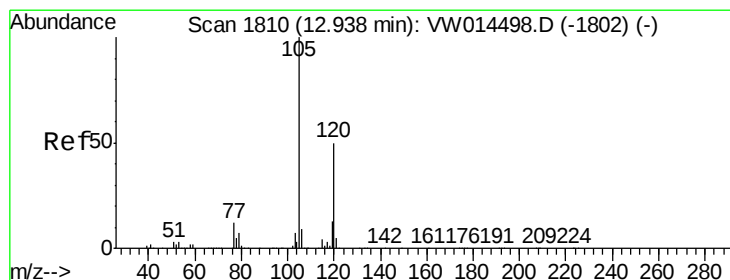
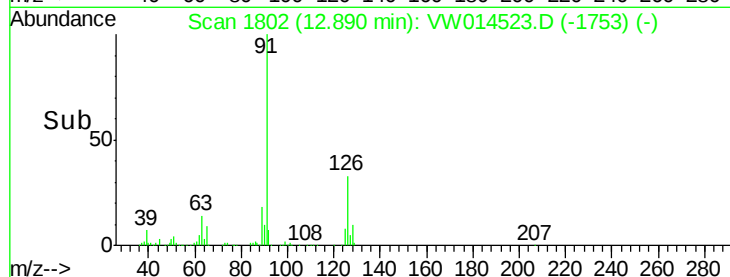


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.220 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014523.D

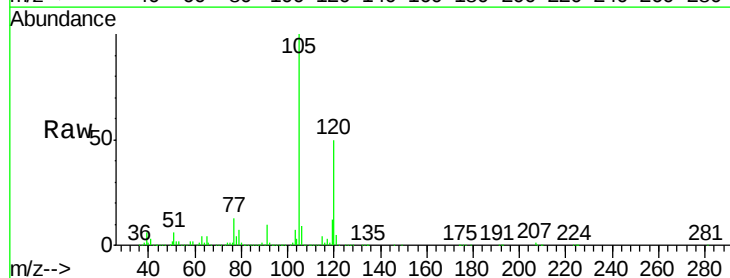
Acq: 06 Jan 2020 15:03

Tgt Ion: 105 Resp: 604548

Ion Ratio Lower Upper

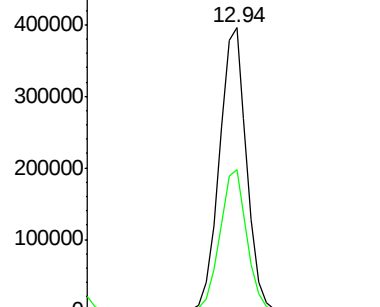
105 100

120 49.8 25.2 75.6

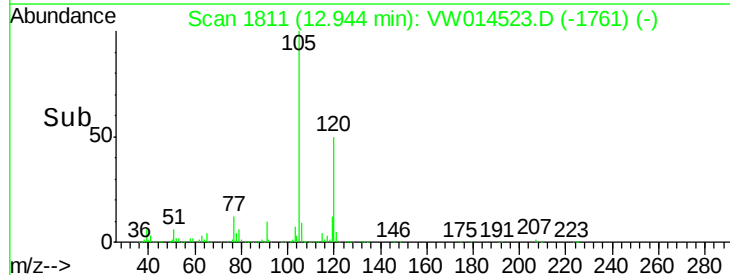


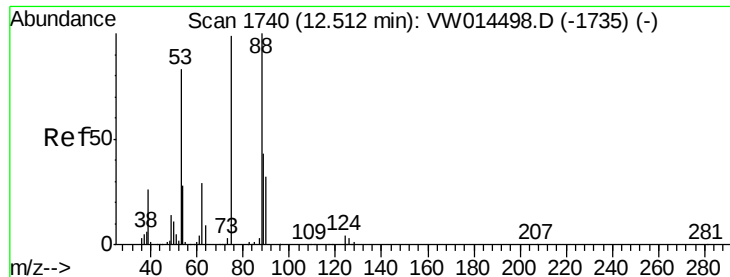
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





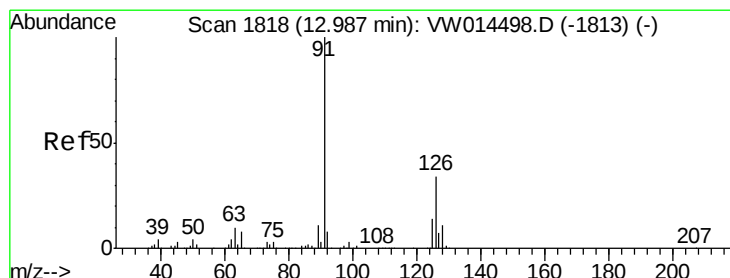
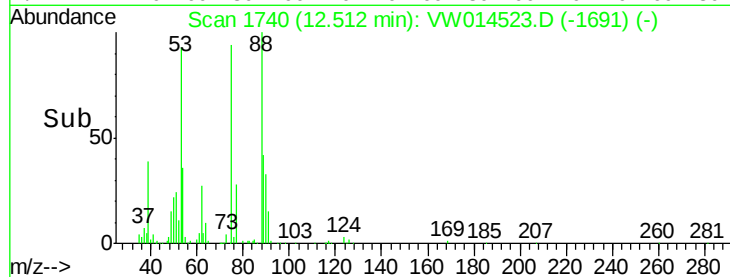
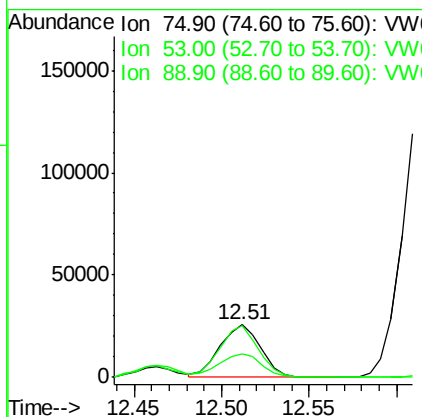
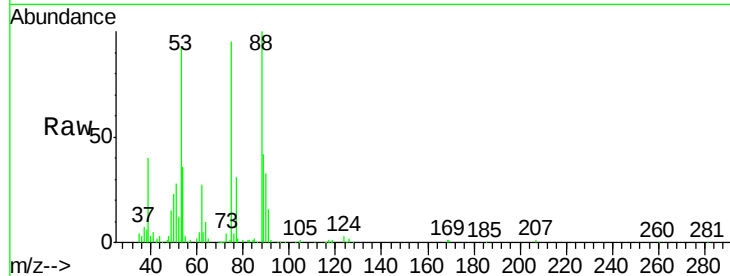
#81
trans-1,4-Dichloro-2-butene
Concen: 19.309 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.0	70.9	106.3
89	46.1	35.8	53.8

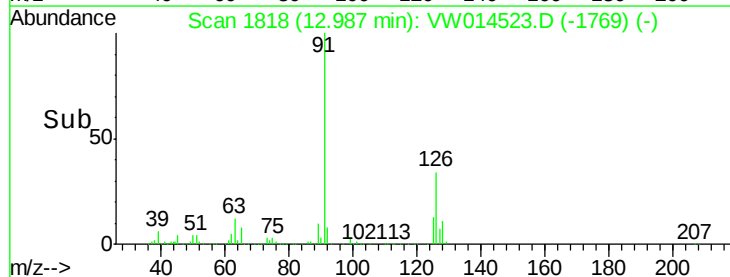
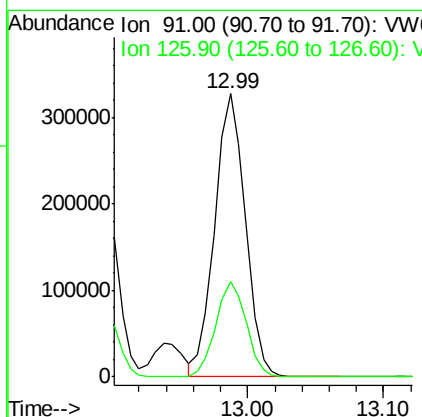
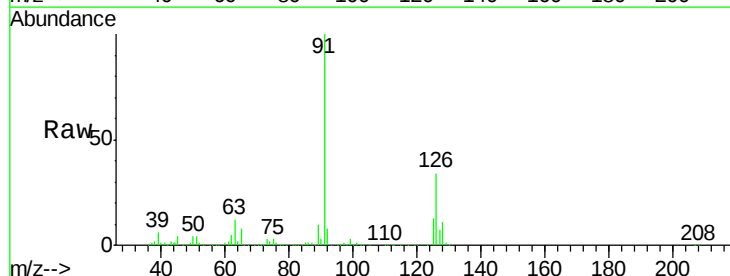
Manual Integrations
APPROVED

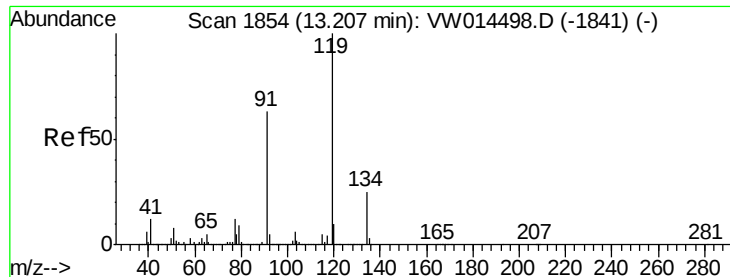
apatel
1/7/2020 10:27:52 AM



#82
4-Chlorotoluene
Concen: 19.553 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.2





#83

tert-Butylbenzene

Concen: 18.890 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

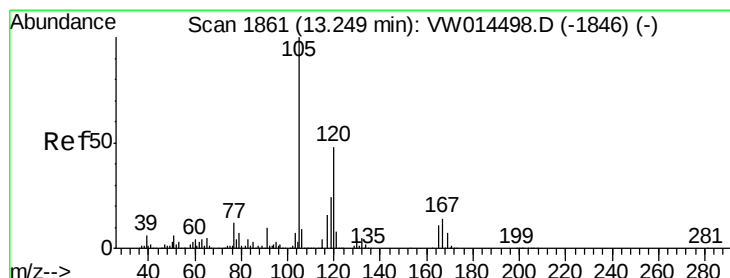
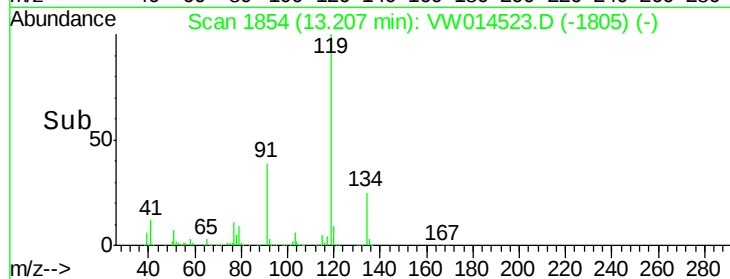
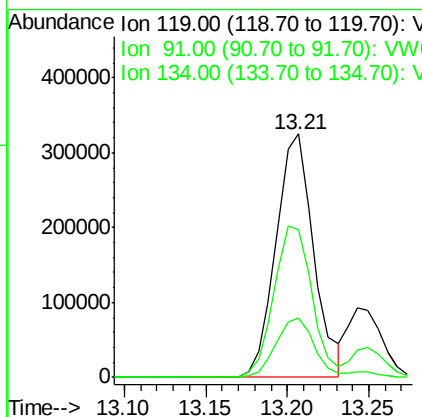
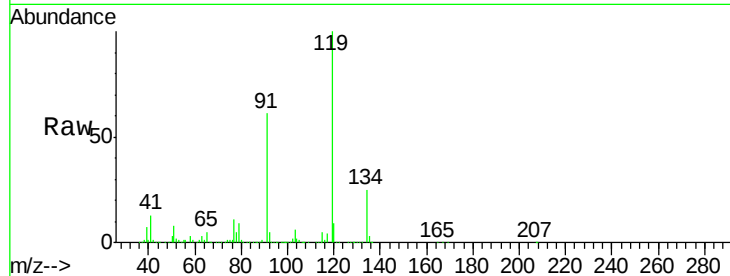
Instrument :
MSVOA_W

ClientSampleId :
VW0106SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	520210		
91	62.8	31.1	93.3	
134	24.9	13.5	40.5	

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.281 ug/l

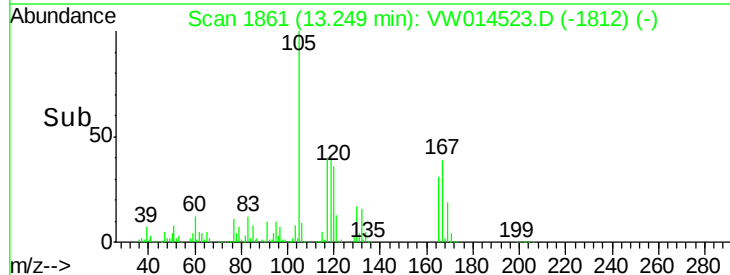
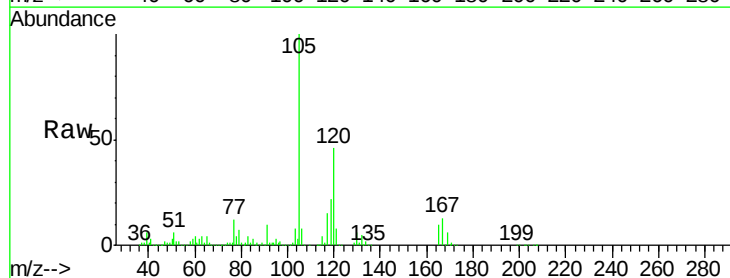
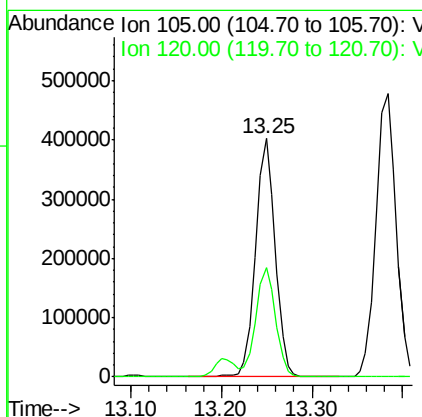
RT: 13.25 min Scan# 1861

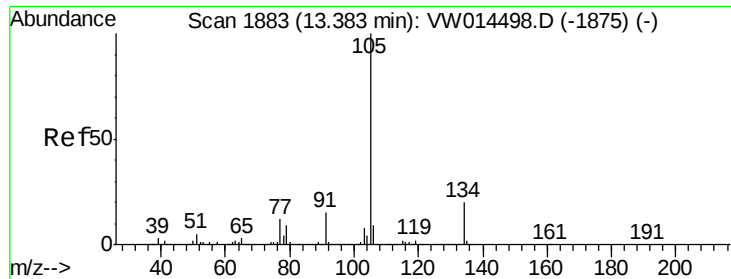
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	603535		
120	46.3	23.4	70.0	





#85

sec-Butylbenzene

Concen: 19.282 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

ClientSampleID :

VW0106SBS01

Tgt Ion:105 Resp: 735008

Ion Ratio Lower Upper

105 100

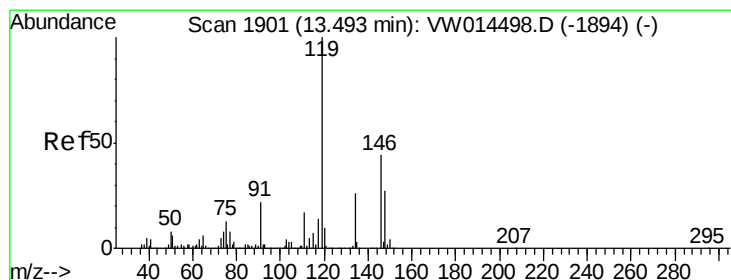
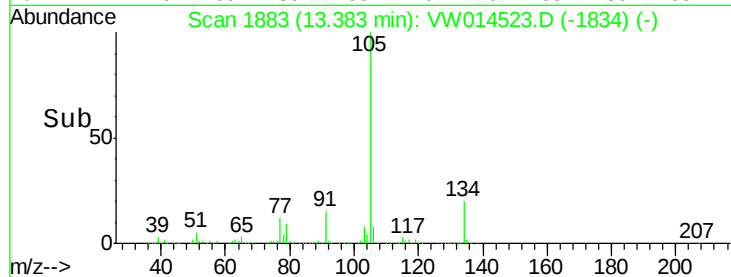
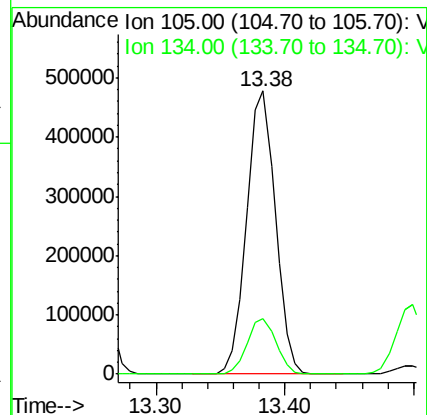
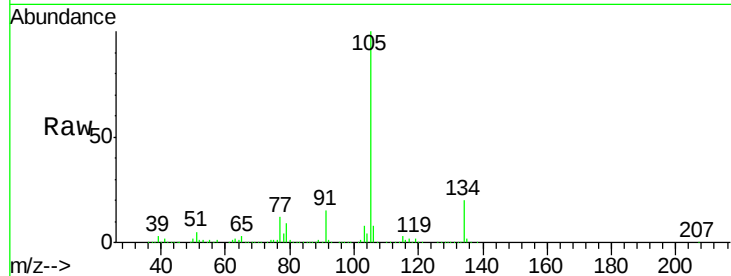
134 19.9 10.2 30.6

Manual Integrations

APPROVED

apatel

1/7/2020 10:27:52 AM



#86

p-Isopropyltoluene

Concen: 19.370 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

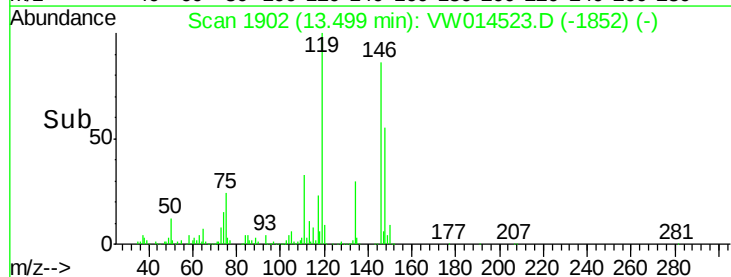
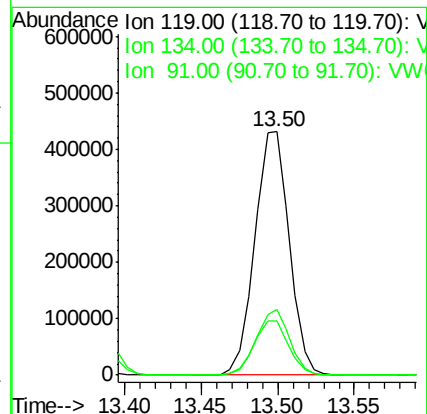
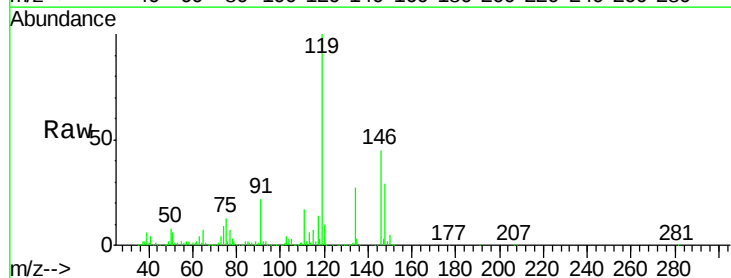
Tgt Ion:119 Resp: 673014

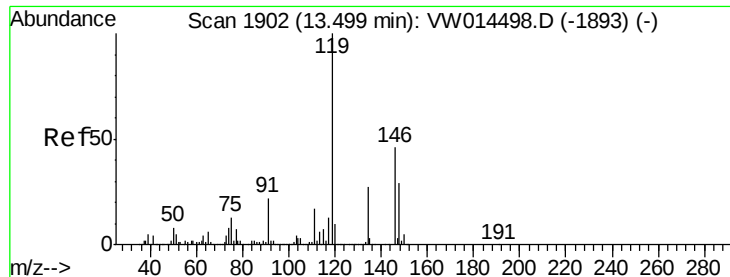
Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

91 22.4 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 18.952 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

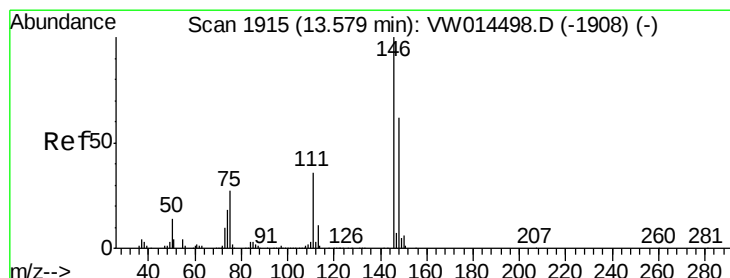
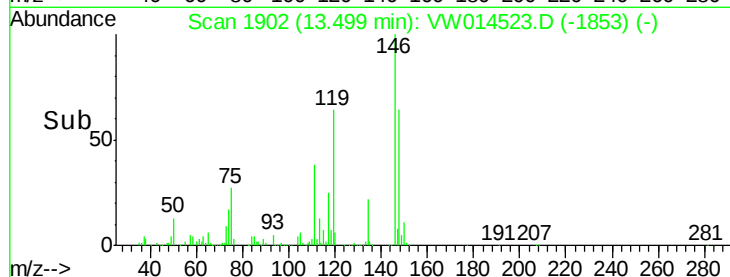
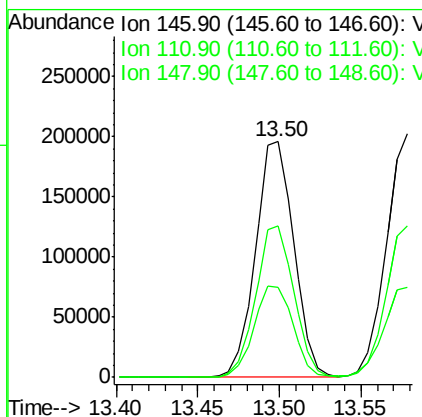
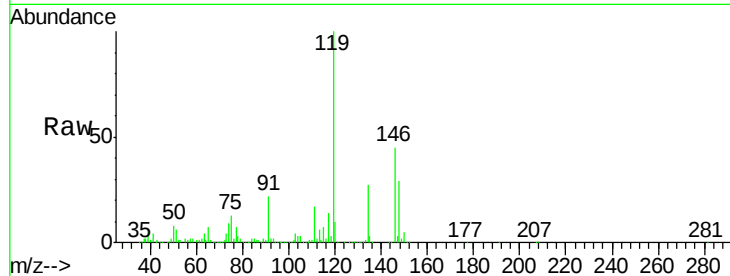
Instrument :
MSVOA_W

ClientSampled :
VW0106SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	64.0	31.8	95.4

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#88

1,4-Dichlorobenzene

Concen: 19.351 ug/l

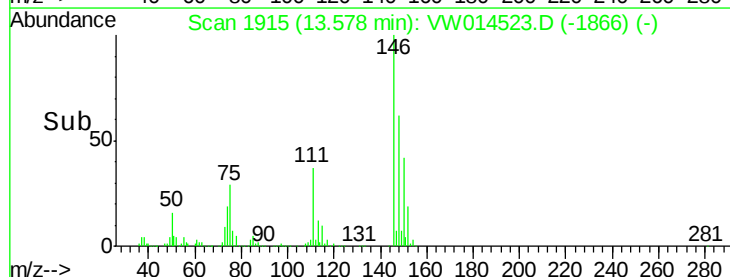
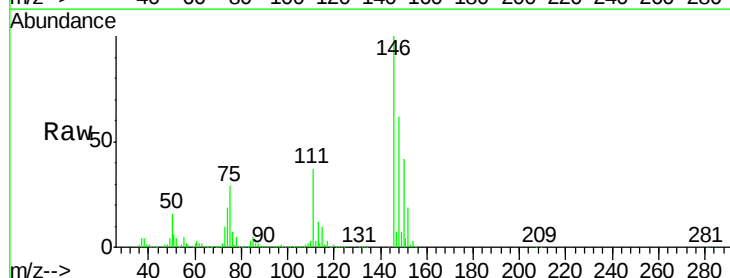
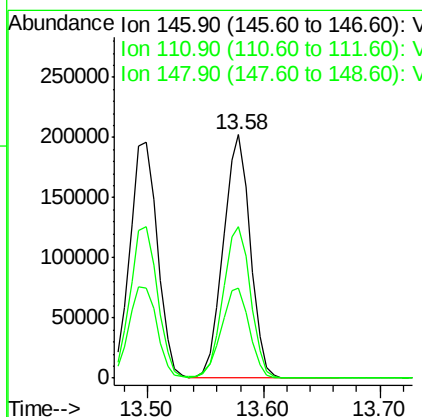
RT: 13.58 min Scan# 1915

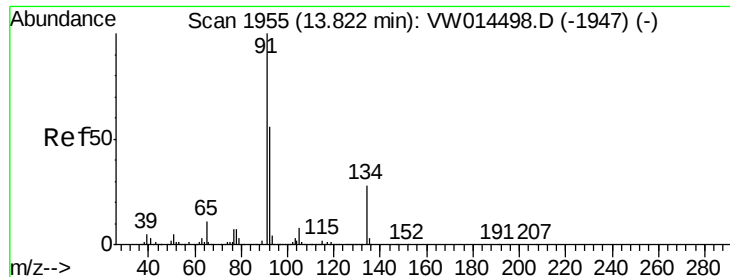
Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.7	56.1
148	63.4	31.7	95.1





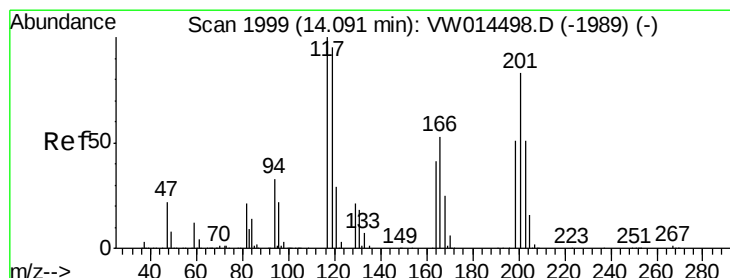
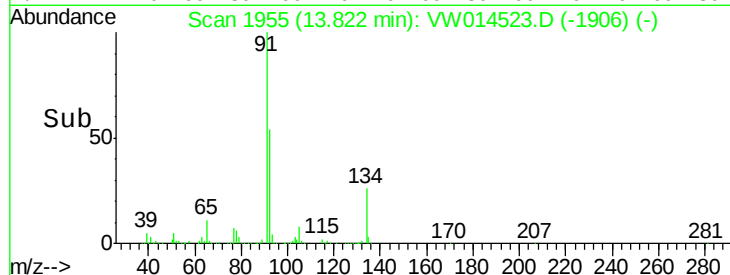
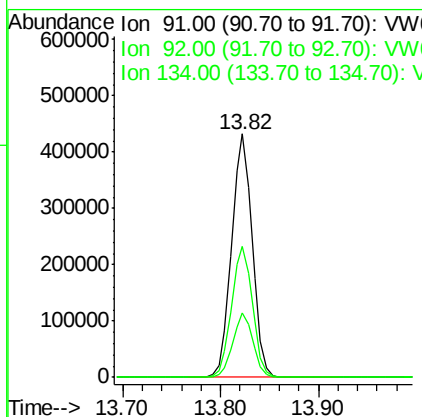
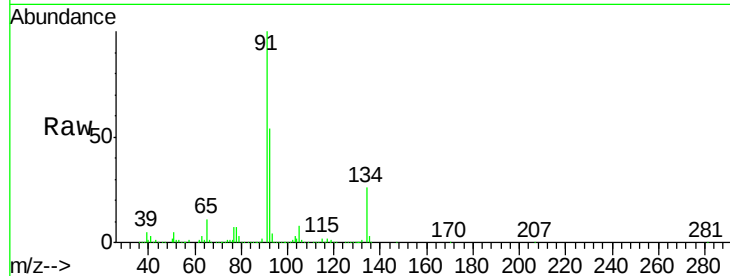
#89
n-Butylbenzene
Concen: 19.525 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.5
134	25.9	13.7	41.1

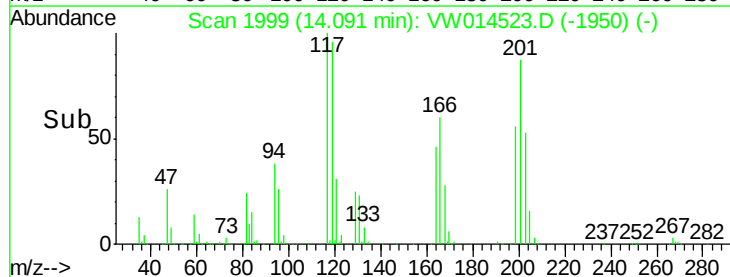
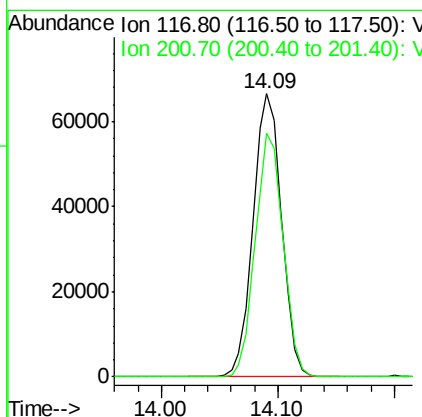
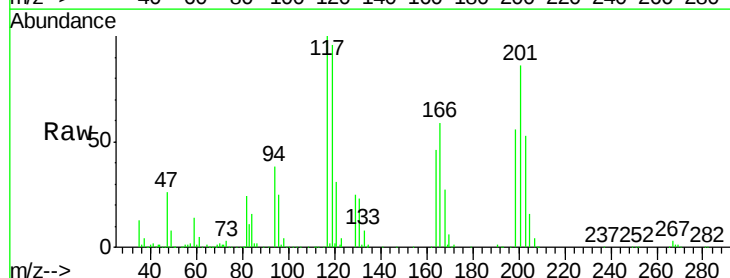
Manual Integrations
APPROVED

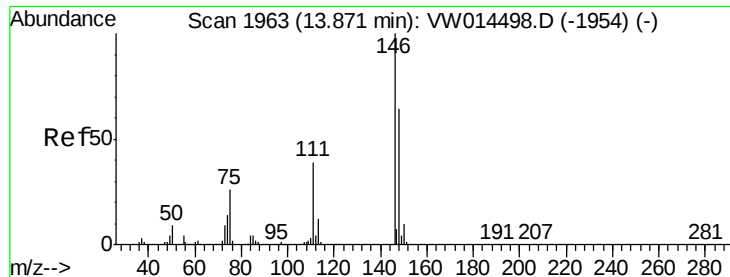
apatel
1/7/2020 10:27:52 AM



#90
Hexachloroethane
Concen: 18.762 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014523.D
Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	43.0	128.8





#91

1,2-Dichlorobenzene

Concen: 19.226 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

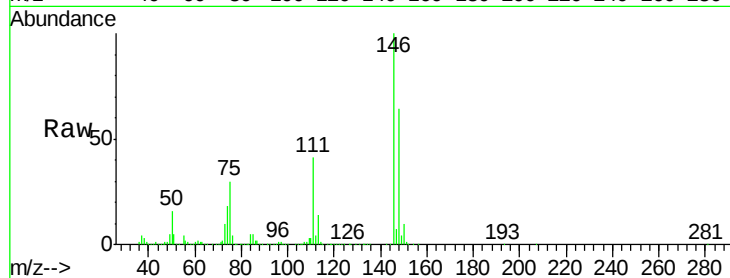
ClientSampleId :

VW0106SBS01

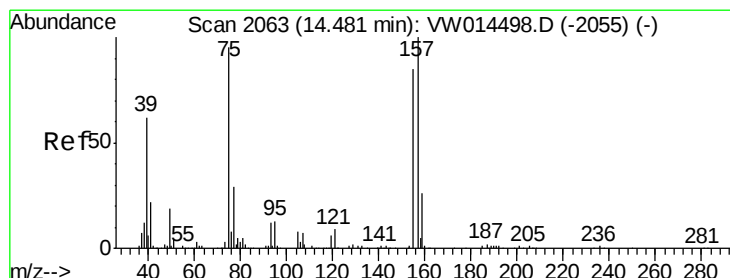
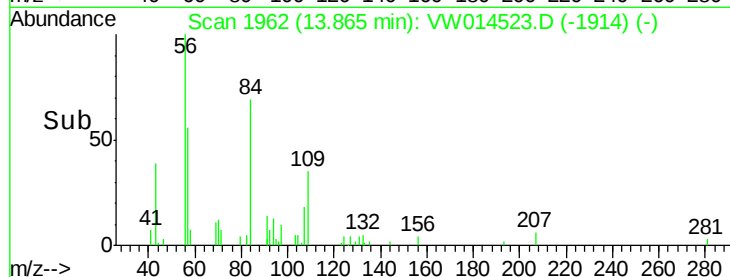
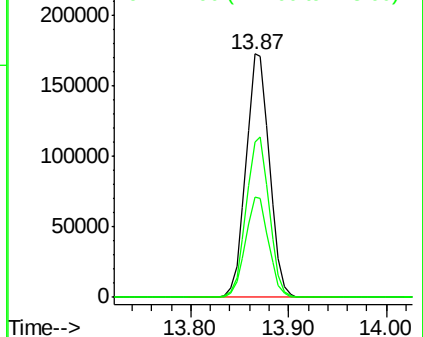
Tgt Ion:	146	Resp:	285913
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.4	61.3
148	65.0	32.3	96.8

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.492 ug/l

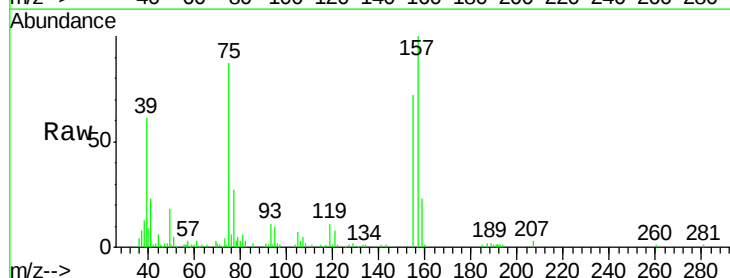
RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

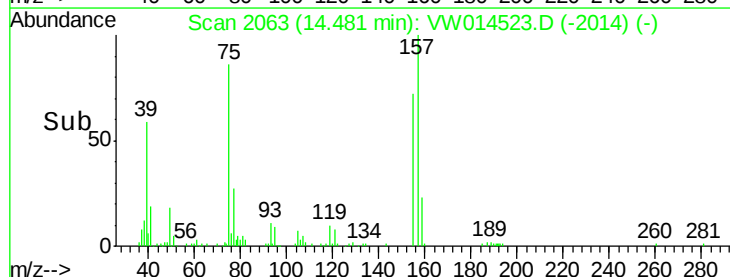
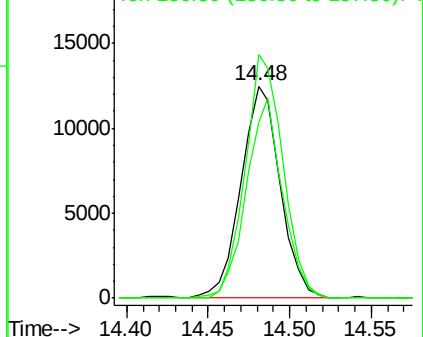
Lab File: VW014523.D

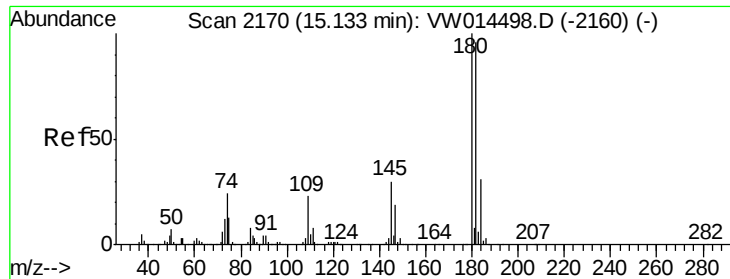
Acq: 06 Jan 2020 15:03

Tgt Ion:	75	Resp:	20872
Ion Ratio	Lower	Upper	
75	100		
155	87.0	45.8	137.4
157	110.6	58.1	174.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





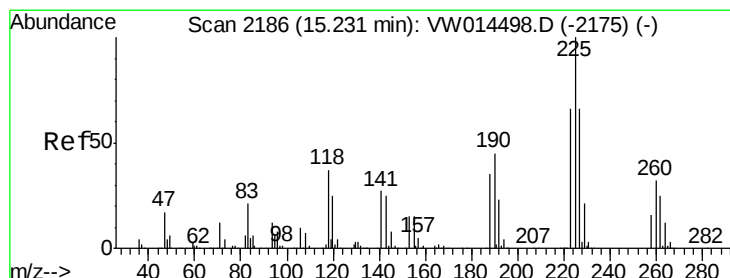
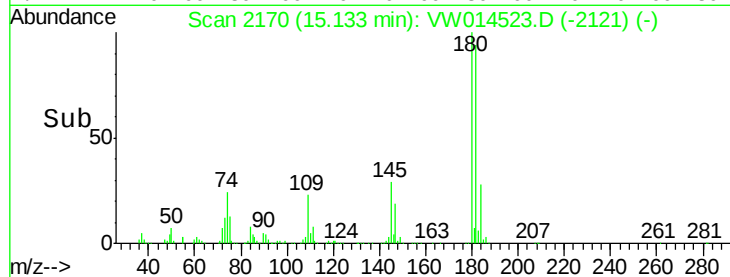
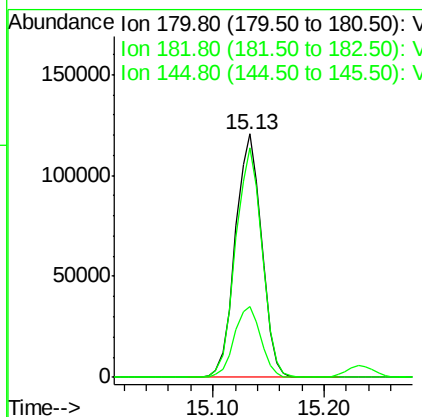
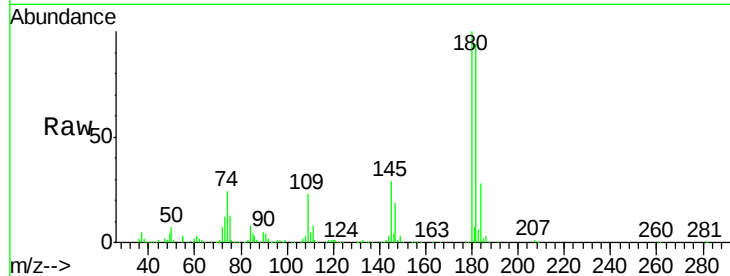
#93
 1,2,4-Trichlorobenzene
 Concen: 19.542 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	196252		
182	95.2	47.3	141.8	
145	29.6	14.7	44.1	

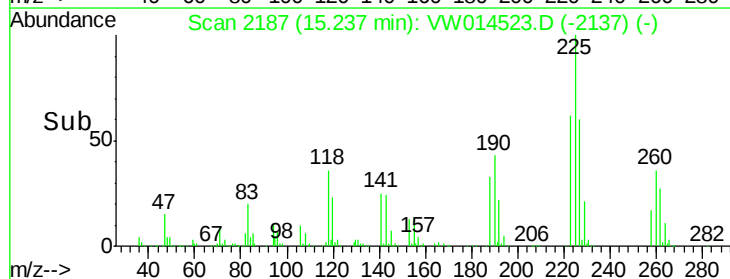
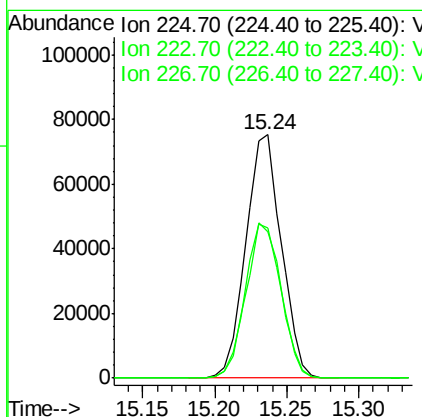
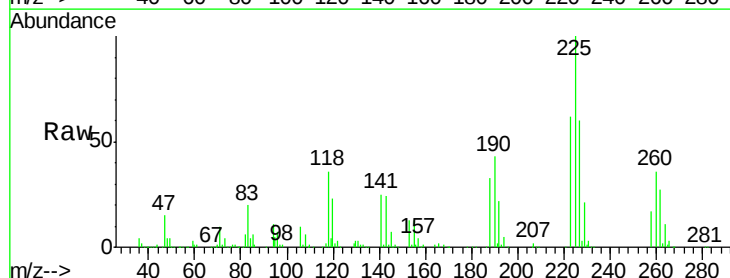
Manual Integrations
 APPROVED

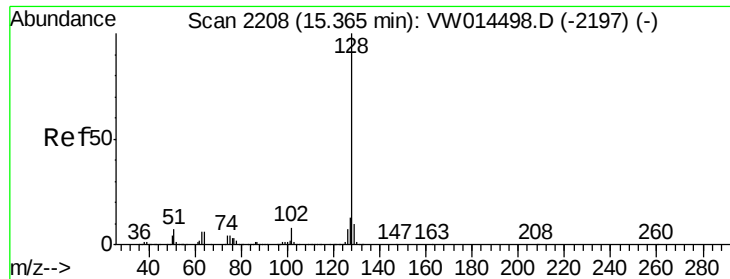
apatel
 1/7/2020 10:27:52 AM



#94
 Hexachlorobutadiene
 Concen: 19.036 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014523.D
 Acq: 06 Jan 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128111		
223	64.2	32.4	97.2	
227	63.2	32.6	97.8	





#95

Naphthalene

Concen: 18.704 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Instrument :

MSVOA_W

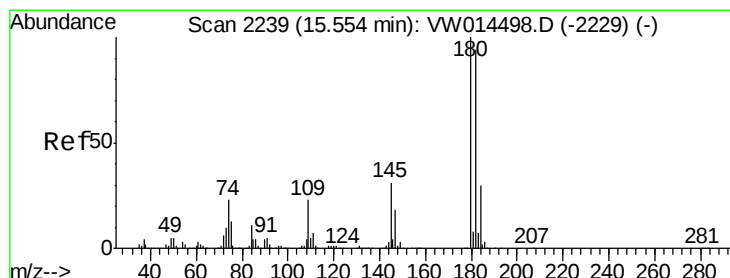
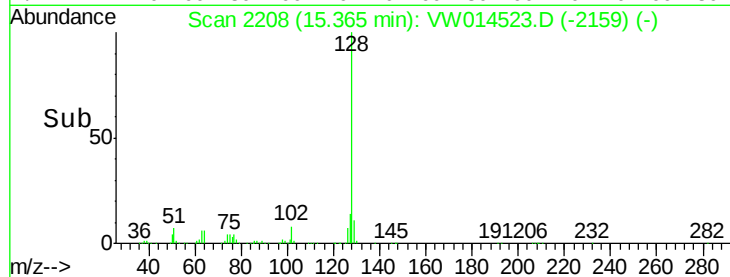
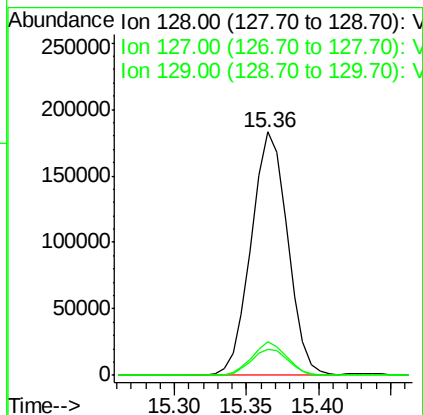
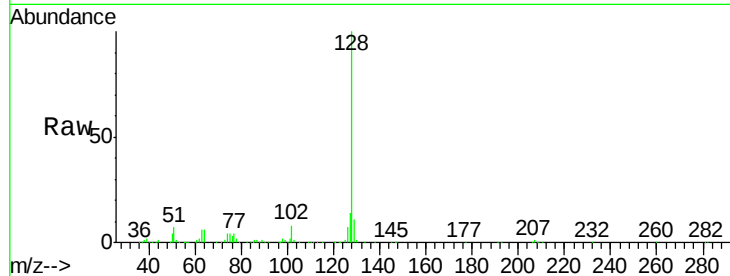
ClientSampleId :

VW0106SBS01

Tgt Ion:	128	Resp:	320347
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
1/7/2020 10:27:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.186 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014523.D

Acq: 06 Jan 2020 15:03

Tgt Ion:	180	Resp:	167946
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.4	142.2
145	31.1	15.5	46.5

