

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
 Data File : VW014542.D
 Acq On : 07 Jan 2020 12:43
 Operator : SY/VA
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Manual Integrations
 APPROVED

apatel
 1/8/2020 9:13:47 AM

Quant Time: Jan 08 06:00:31 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	683064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1058462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	924468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	461897	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	334554	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
35) Dibromofluoromethane	7.88	113	331606	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	10.32	98	1356875	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.62	95	466927	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	80980	20.997	ug/l	100
3) Chloromethane	2.21	50	105168	22.278	ug/l	99
4) Vinyl Chloride	2.36	62	146991	21.170	ug/l	100
5) Bromomethane	2.77	94	89523	20.871	ug/l	95
6) Chloroethane	2.92	64	79874	20.180	ug/l	98
7) Trichlorofluoromethane	3.25	101	61186	17.613	ug/l	99
8) Diethyl Ether	3.68	74	64863	18.765	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	127239	19.602	ug/l	99
10) Methyl Iodide	4.28	142	195044	19.915	ug/l	98
11) Tert butyl alcohol	5.15	59	40545	71.695	ug/l	99
12) 1,1-Dichloroethene	4.04	96	132544	19.499	ug/l	94
13) Acrolein	3.89	56	46540	89.285	ug/l	98
14) Allyl chloride	4.67	41	202781	19.521	ug/l	100
15) Acrylonitrile	5.36	53	143243	90.662	ug/l	99
16) Acetone	4.12	43	139508	82.729	ug/l	94
17) Carbon Disulfide	4.38	76	402821	19.662	ug/l	98
18) Methyl Acetate	4.67	43	75760	18.602	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	163913	19.426	ug/l	97
20) Methylene Chloride	4.91	84	157132	20.359	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	142265	19.710	ug/l	100
22) Diisopropyl ether	6.31	45	400623	20.605	ug/l	99
23) Vinyl Acetate	6.25	43	1098599	93.571	ug/l	99
24) 1,1-Dichloroethane	6.21	63	249405	20.336	ug/l	97
25) 2-Butanone	7.16	43	188901	87.288	ug/l	99
26) 2,2-Dichloropropane	7.16	77	131870	19.421	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	147665	19.470	ug/l	97
28) Bromochloromethane	7.51	49	99099	20.610	ug/l	99
29) Tetrahydrofuran	7.52	42	117703	87.793	ug/l	98
30) Chloroform	7.67	83	237176	20.680	ug/l	100
31) Cyclohexane	7.95	56	239808	18.815	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	182844	19.823	ug/l	98
36) 1,1-Dichloropropene	8.08	75	193955	19.008	ug/l	99
37) Ethyl Acetate	7.24	43	81632	17.639	ug/l	99
38) Carbon Tetrachloride	8.06	117	166497	18.808	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
 Data File : VW014542.D
 Acq On : 07 Jan 2020 12:43
 Operator : SY/VA
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0107SBS01

Manual Integrations
 APPROVED

apatel
 1/8/2020 9:13:47 AM

Quant Time: Jan 08 06:00:31 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	230466	17.600	ug/l	99
40) Benzene	8.32	78	565862	19.600	ug/l	98
41) Methacrylonitrile	7.48	41	49196	19.070	ug/l	93
42) 1,2-Dichloroethane	8.40	62	146920	19.610	ug/l	99
43) Isopropyl Acetate	8.42	43	148120	17.626	ug/l	97
44) Trichloroethene	9.09	130	147014	18.818	ug/l	96
45) 1,2-Dichloropropane	9.37	63	141562	19.982	ug/l	99
46) Dibromomethane	9.46	93	66066	18.890	ug/l	98
47) Bromodichloromethane	9.64	83	168276	19.488	ug/l	98
48) Methyl methacrylate	9.43	41	65656	16.002	ug/l	93
49) 1,4-Dioxane	9.44	88	21959	335.689	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	387414	88.774	ug/l	99
52) Toluene	10.38	92	353564	19.466	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	167088	18.689	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	209256	19.151	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	97211	19.031	ug/l	98
56) Ethyl methacrylate	10.64	69	117673	17.726	ug/l	98
57) 1,3-Dichloropropane	10.93	76	170453	18.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	188663	93.447	ug/l	99
59) 2-Hexanone	10.96	43	265791	88.384	ug/l	96
60) Dibromochloromethane	11.13	129	108150	18.765	ug/l	97
61) 1,2-Dibromoethane	11.23	107	90241	18.612	ug/l	99
64) Tetrachloroethene	10.86	164	127686	19.078	ug/l	95
65) Chlorobenzene	11.65	112	364347	19.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	124315	19.495	ug/l	99
67) Ethyl Benzene	11.73	91	648572	19.002	ug/l	96
68) m/p-Xylenes	11.83	106	497103	38.054	ug/l	98
69) o-Xylene	12.16	106	229719	19.038	ug/l	100
70) Styrene	12.18	104	396545	19.429	ug/l	100
71) Bromoform	12.35	173	60185	17.303	ug/l #	97
73) Isopropylbenzene	12.46	105	622508	18.367	ug/l	99
74) N-amyl acetate	12.27	43	134302	17.673	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	110842	18.119	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	82104m	18.800	ug/l	
77) Bromobenzene	12.74	156	145830	18.526	ug/l	99
78) n-propylbenzene	12.80	91	745504	18.706	ug/l	99
79) 2-Chlorotoluene	12.89	91	433533	19.116	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	540557	18.996	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	32043	16.348	ug/l	93
82) 4-Chlorotoluene	12.99	91	451820	19.175	ug/l	100
83) tert-Butylbenzene	13.21	119	456374	18.317	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	543171	19.181	ug/l	100
85) sec-Butylbenzene	13.38	105	640432	18.571	ug/l	99
86) p-Isopropyltoluene	13.50	119	593133	18.869	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	290038	18.948	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	283368	18.752	ug/l	97
89) n-Butylbenzene	13.82	91	540092	18.502	ug/l	98
90) Hexachloroethane	14.09	117	100703	18.339	ug/l	96
91) 1,2-Dichlorobenzene	13.86	146	257729	19.157	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16325	16.852	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
Data File : VW014542.D
Acq On : 07 Jan 2020 12:43
Operator : SY/VA
Sample : VW0107SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM

Quant Time: Jan 08 06:00:31 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	165049	18.167	ug/l	99
94) Hexachlorobutadiene	15.24	225	115375	18.950	ug/l	97
95) Naphthalene	15.36	128	249343	16.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	145534	18.377	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: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tgt Ion:168 Resp: 683064

Ion Ratio Lower Upper

168 100

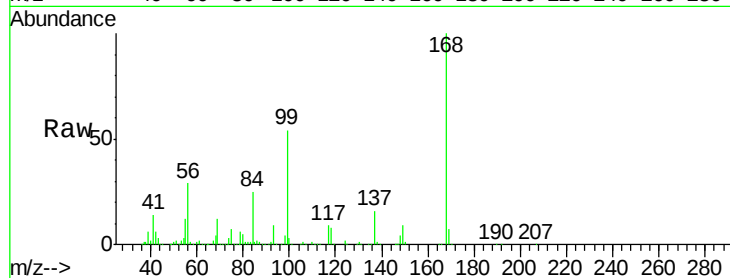
99 53.4 41.1 61.7

Manual Integrations

APPROVED

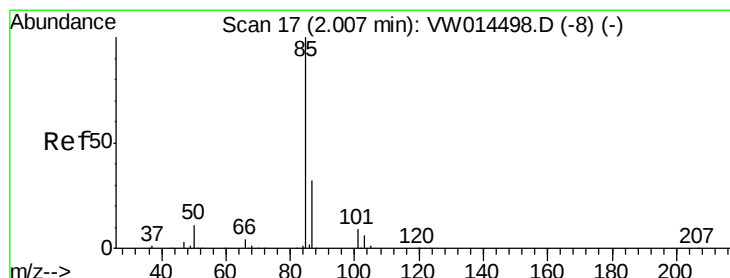
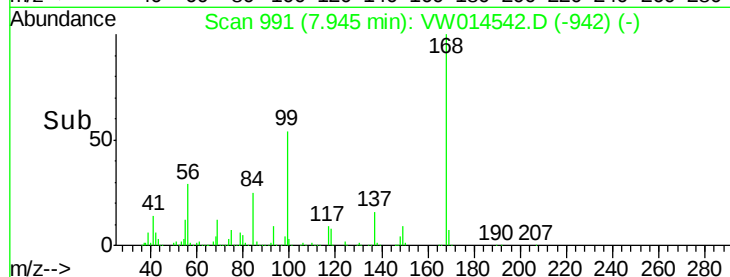
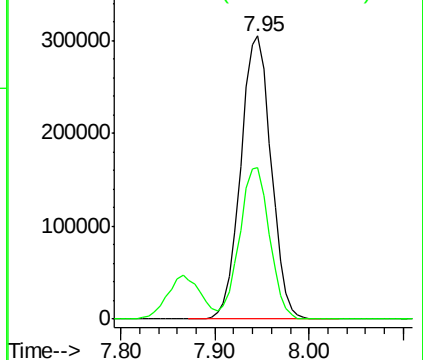
apatel

1/8/2020 9:13:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.997 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014542.D

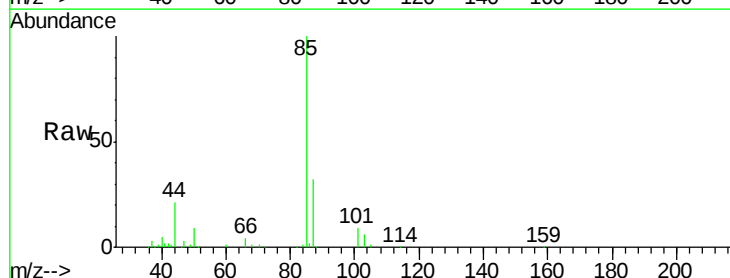
Acq: 07 Jan 2020 12:43

Tgt Ion: 85 Resp: 80980

Ion Ratio Lower Upper

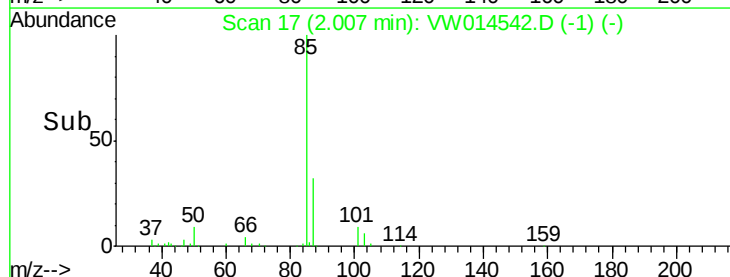
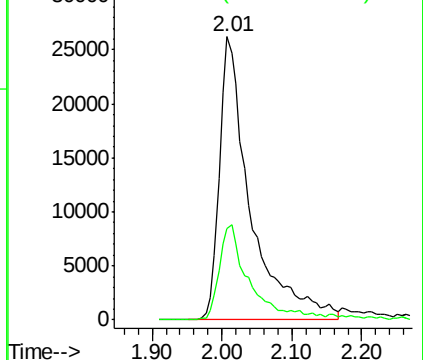
85 100

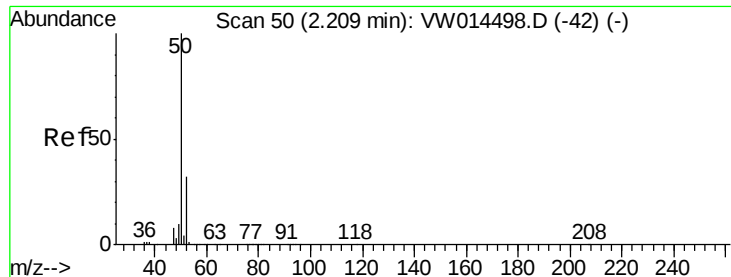
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.278 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tgt Ion: 50 Resp: 105168

Ion Ratio Lower Upper

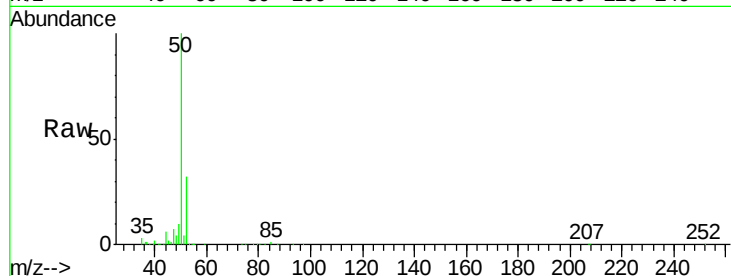
50 100

52 31.9 25.8 38.8

Manual Integrations
APPROVED

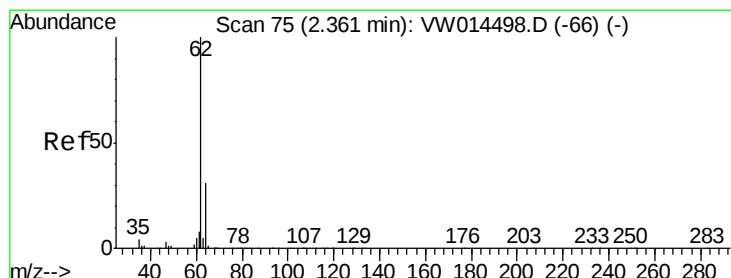
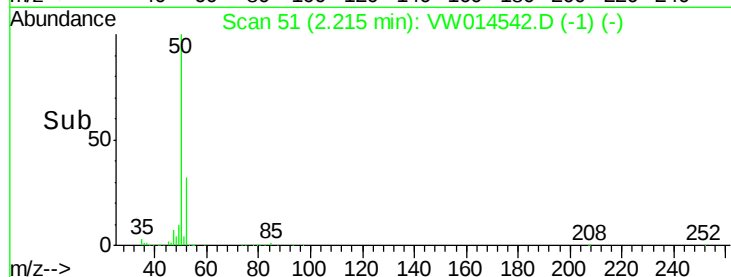
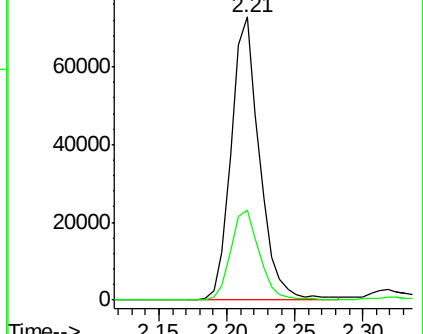
apatel

1/8/2020 9:13:47 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.170 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014542.D

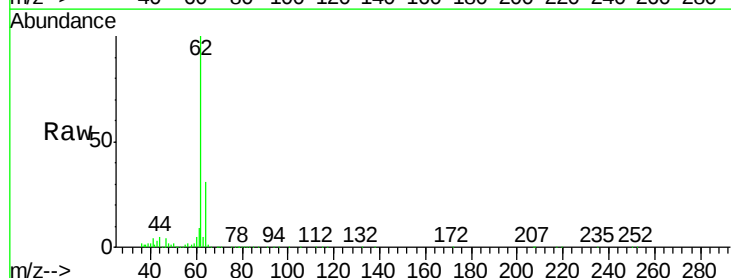
Acq: 07 Jan 2020 12:43

Tgt Ion: 62 Resp: 146991

Ion Ratio Lower Upper

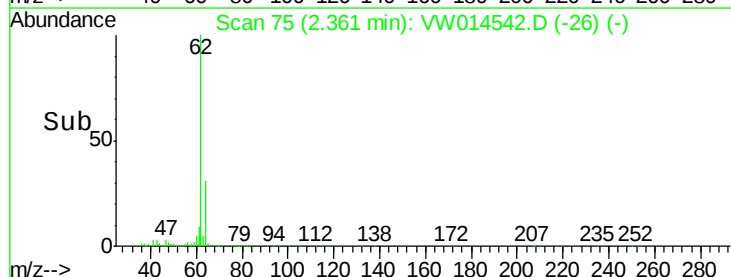
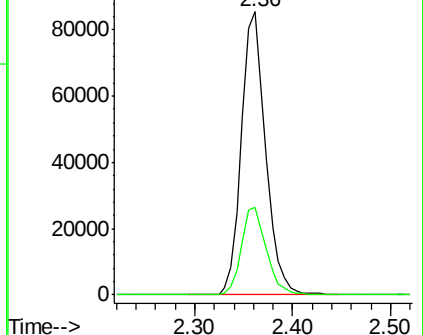
62 100

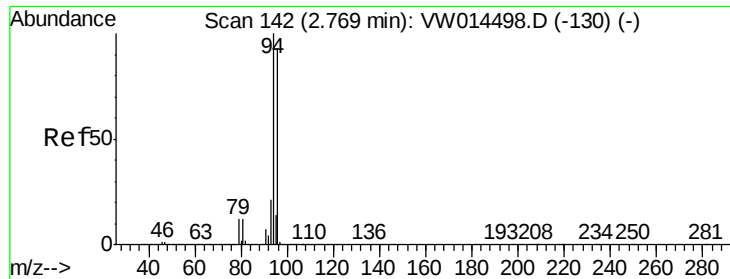
64 30.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.871 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tgt Ion: 94 Resp: 89523

Ion Ratio Lower Upper

94 100

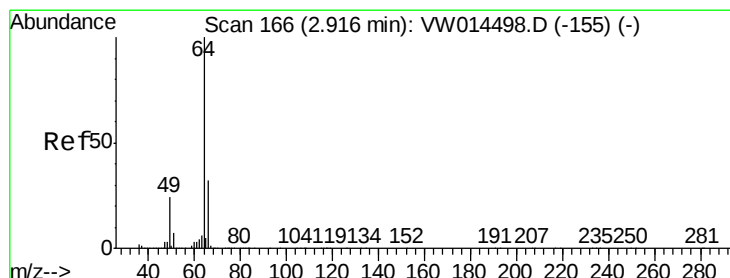
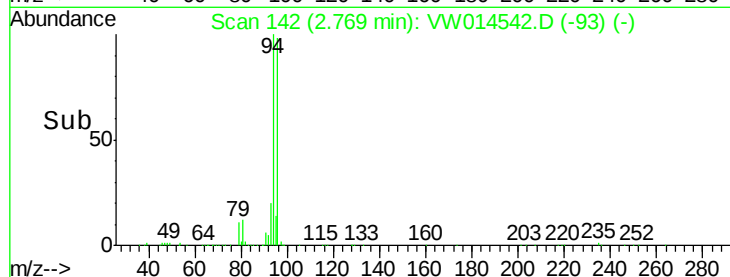
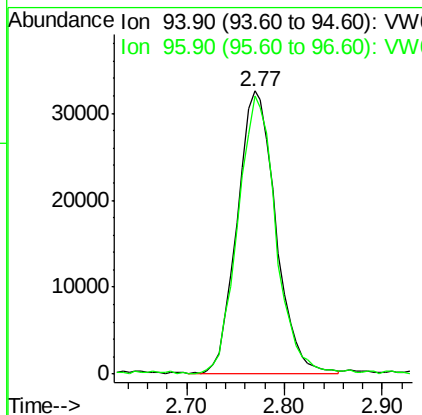
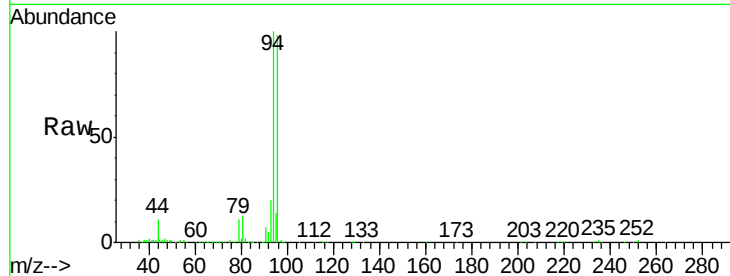
96 97.8 74.2 111.2

Manual Integrations

APPROVED

apatel

1/8/2020 9:13:47 AM



#6

Chloroethane

Concen: 20.180 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014542.D

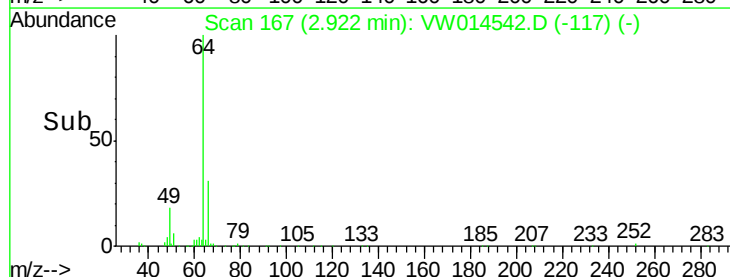
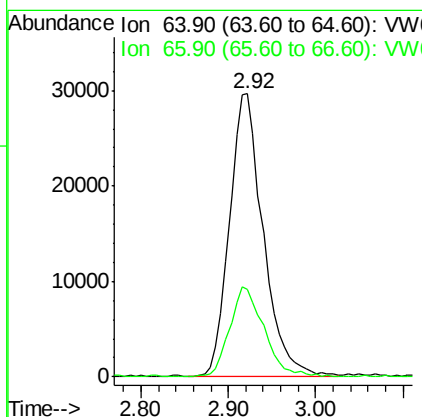
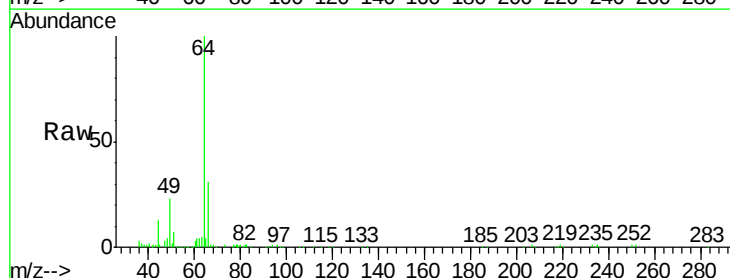
Acq: 07 Jan 2020 12:43

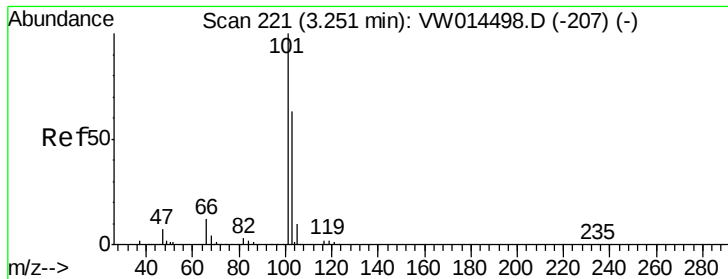
Tgt Ion: 64 Resp: 79874

Ion Ratio Lower Upper

64 100

66 30.9 25.7 38.5





#7

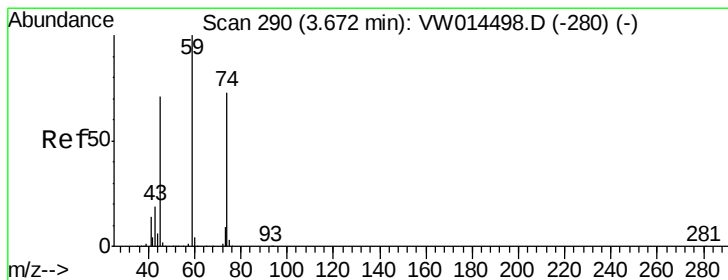
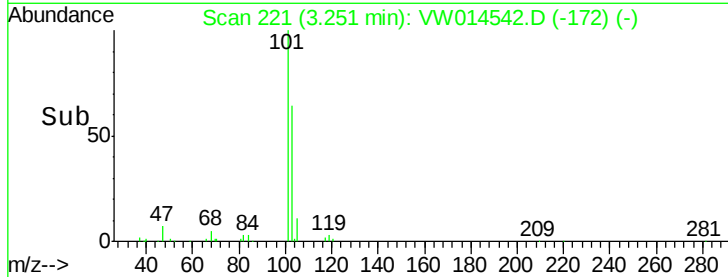
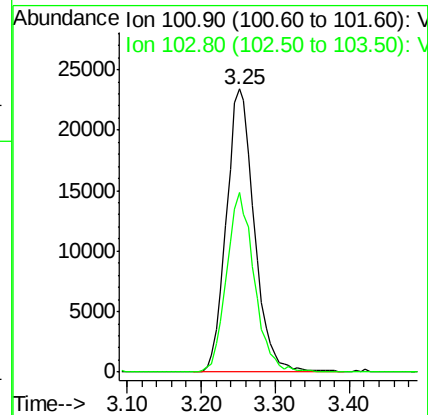
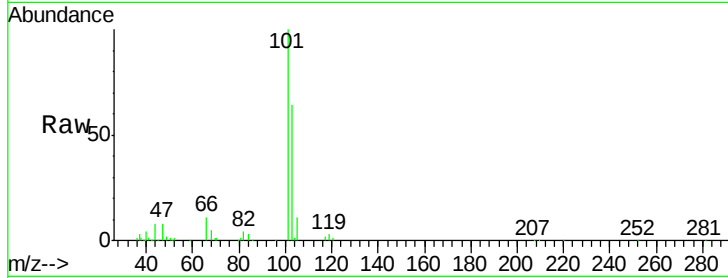
Trichlorofluoromethane
 Concen: 17.613 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.1	75.1

Manual Integrations
 APPROVED

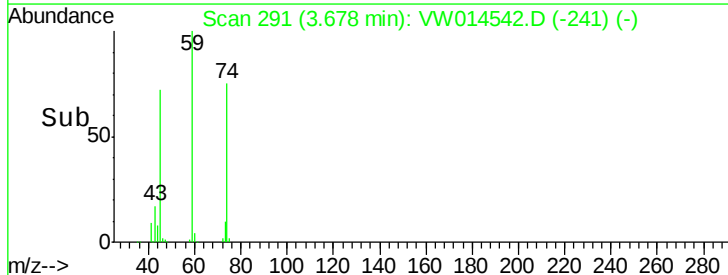
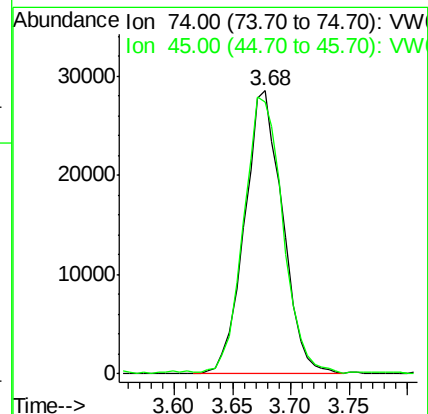
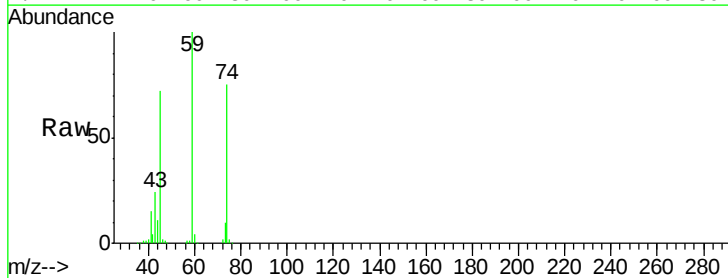
apatel
 1/8/2020 9:13:47 AM



#8

Diethyl Ether
 Concen: 18.765 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.602 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

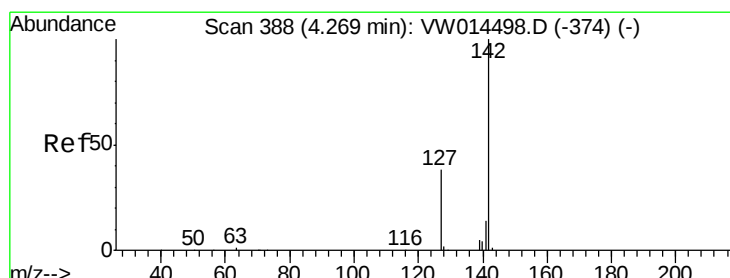
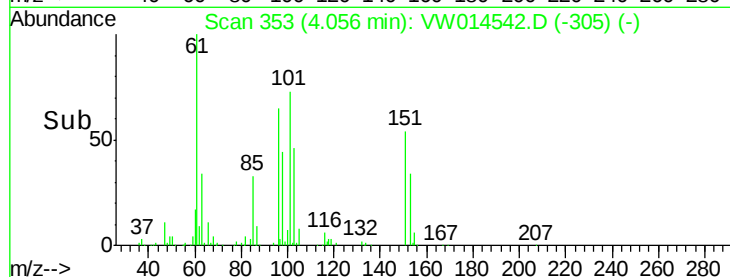
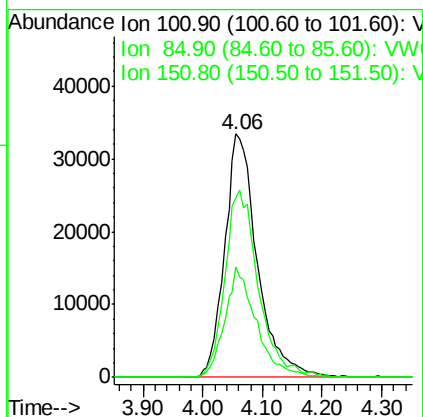
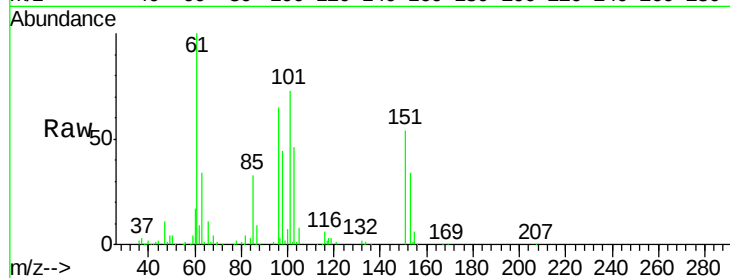
ClientSampled :

VW0107SBS01

Tgt Ion:	101	Resp:	127239
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	79.2	63.5	95.3

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#10

Methyl Iodide

Concen: 19.915 ug/l

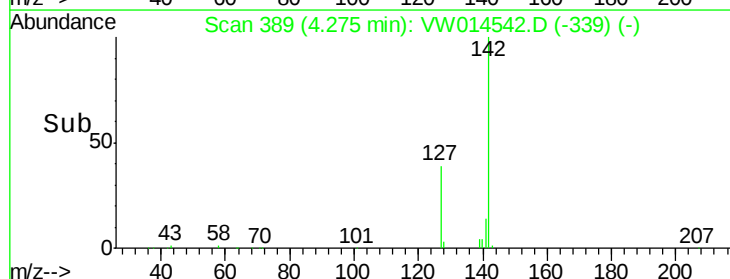
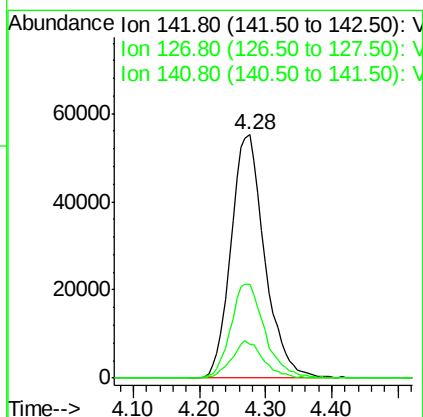
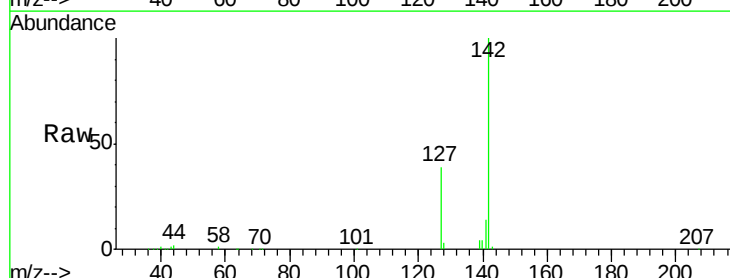
RT: 4.28 min Scan# 389

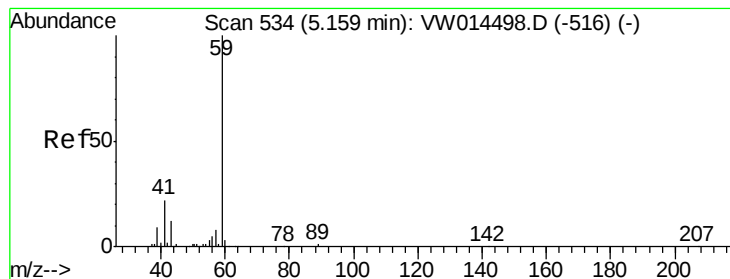
Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion:	142	Resp:	195044
Ion Ratio	Lower	Upper	
142	100		
127	39.3	30.2	45.4
141	14.5	11.4	17.2





#11

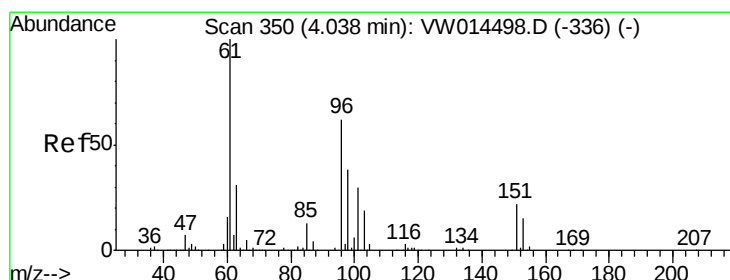
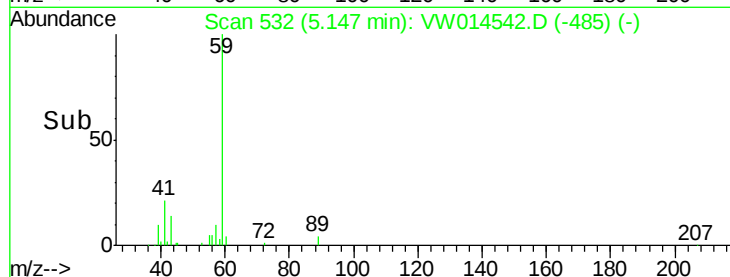
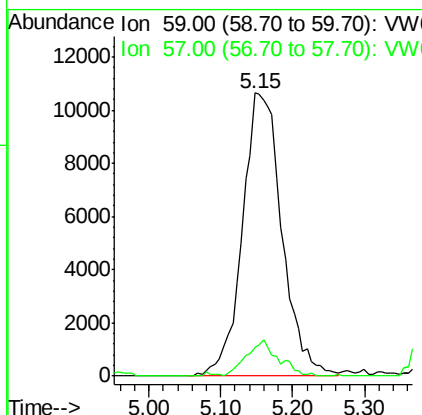
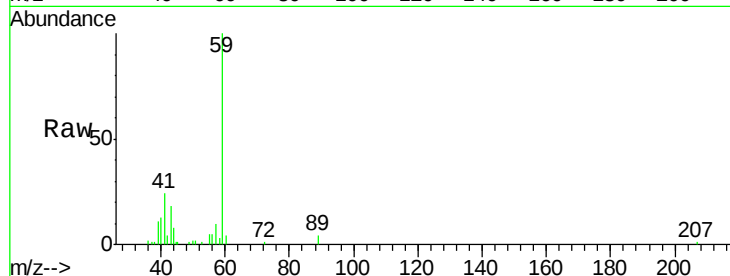
Tert butyl alcohol
Concen: 71.695 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

Manual Integrations
APPROVED

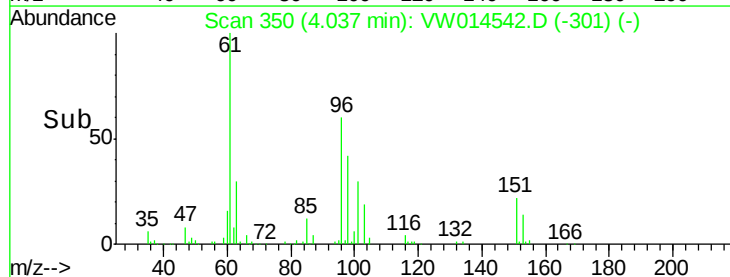
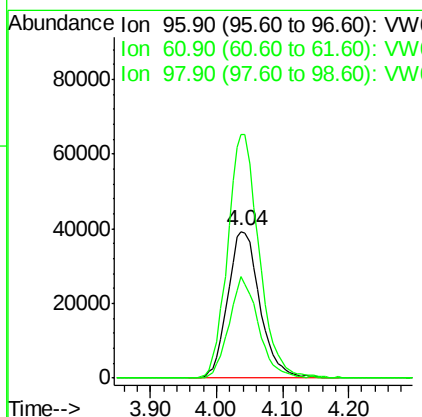
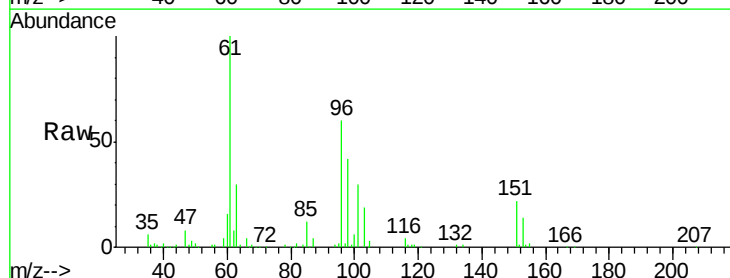
apatel
1/8/2020 9:13:47 AM

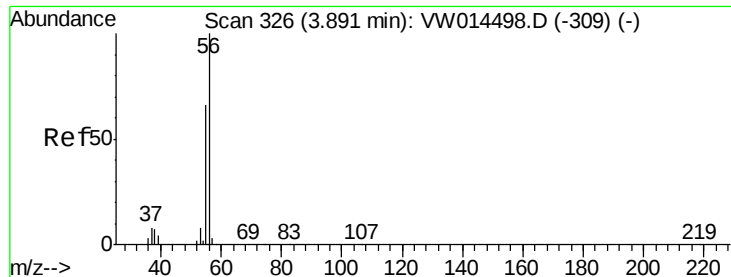


#12

1,1-Dichloroethene
Concen: 19.499 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	128.4	192.6
98	69.2	49.1	73.7





#13

Acrolein

Concen: 89.285 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tgt Ion: 56 Resp: 46540

Ion Ratio Lower Upper

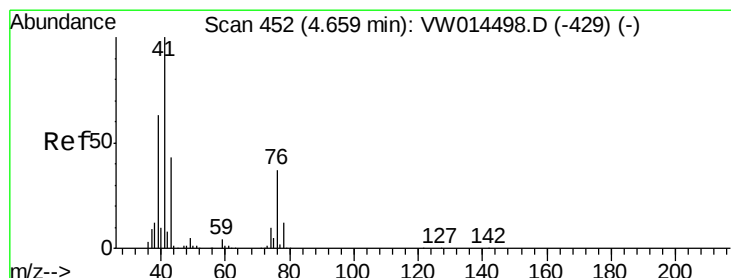
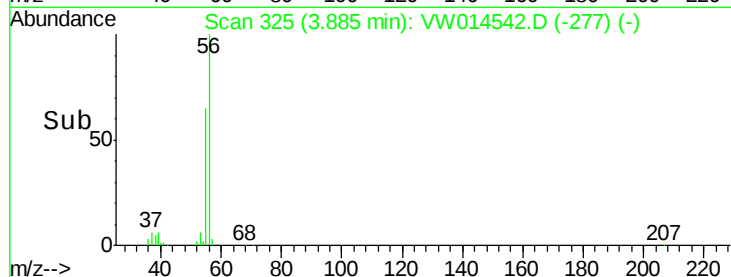
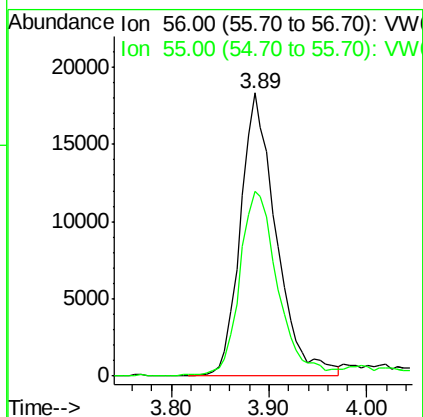
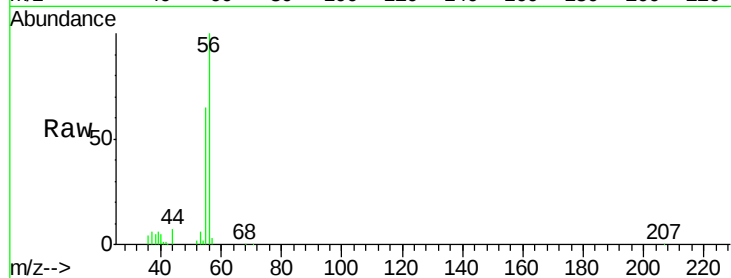
56 100

55 69.3 56.7 85.1

Manual Integrations
APPROVED

apatel

1/8/2020 9:13:47 AM



#14

Allyl chloride

Concen: 19.521 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

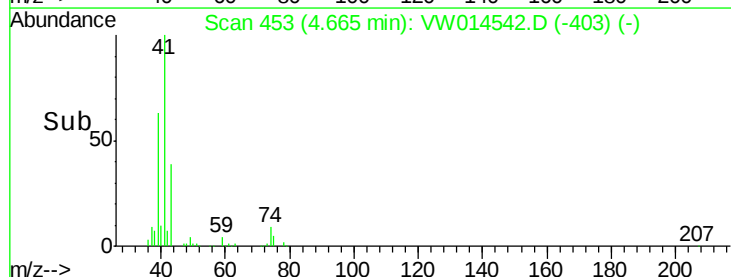
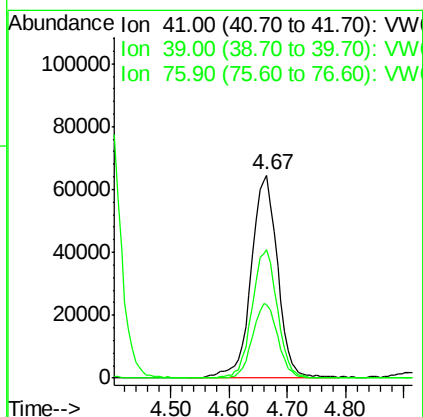
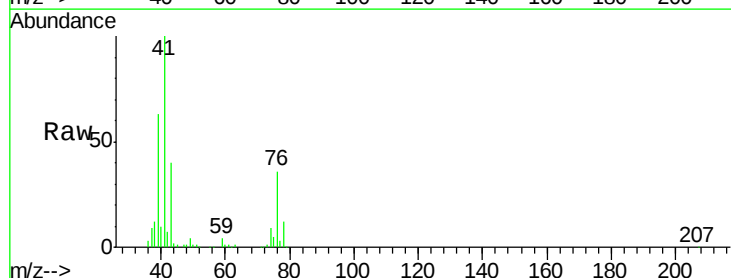
Tgt Ion: 41 Resp: 202781

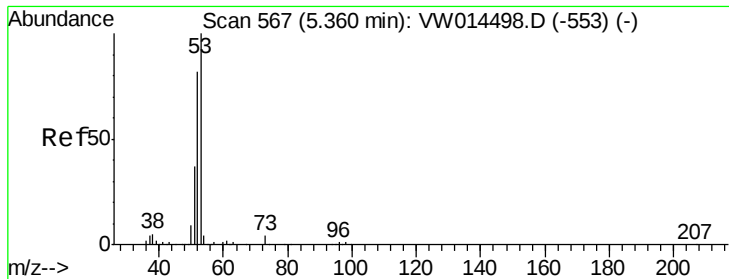
Ion Ratio Lower Upper

41 100

39 60.9 48.5 72.7

76 35.3 28.1 42.1





#15

Acrylonitrile

Concen: 90.662 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

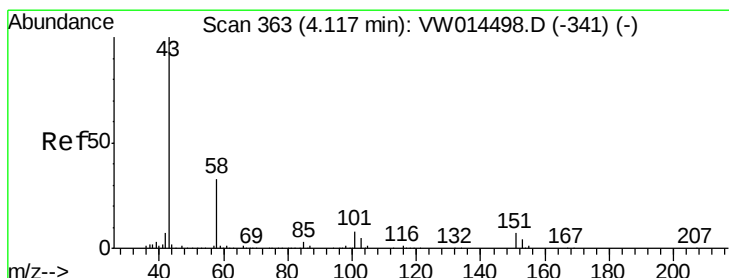
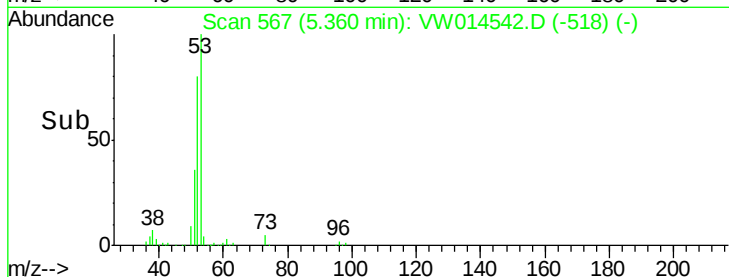
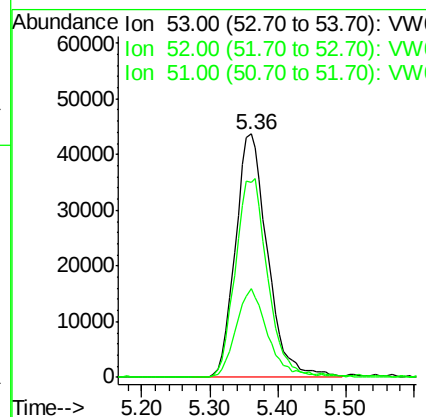
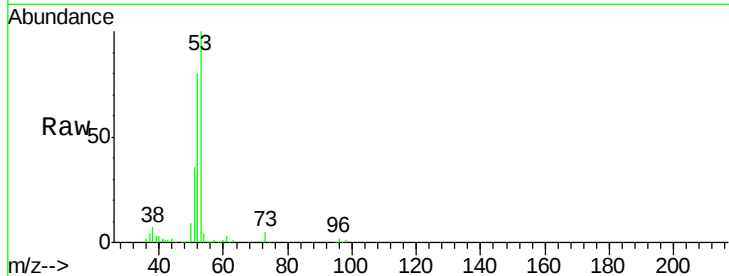
ClientSampleId :

VW0107SBS01

Tgt Ion:	53	Resp:	143243
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.5	99.7
51	36.4	28.4	42.6

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#16

Acetone

Concen: 82.729 ug/l

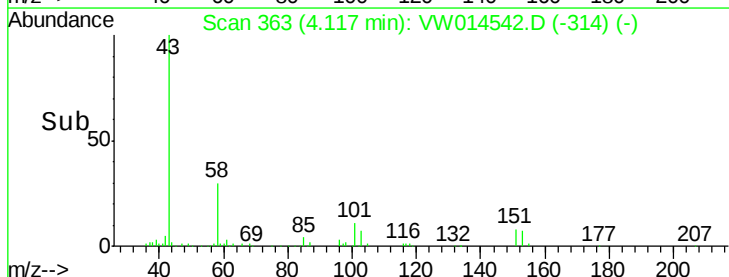
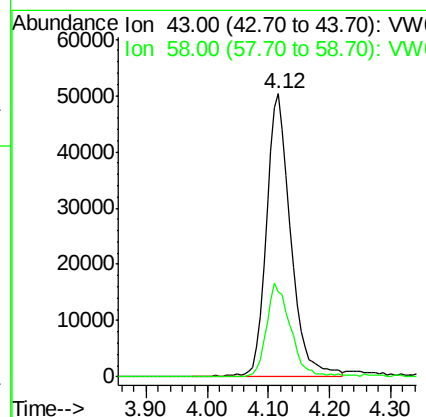
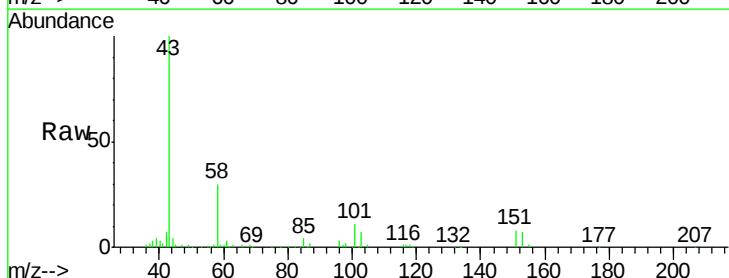
RT: 4.12 min Scan# 363

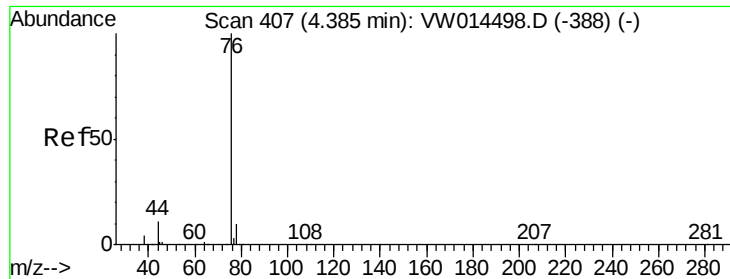
Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion:	43	Resp:	139508
Ion	Ratio	Lower	Upper
43	100		
58	29.6	26.6	39.8





#17

Carbon Disulfide

Concen: 19.662 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tgt Ion: 76 Resp: 402821

Ion Ratio Lower Upper

76 100

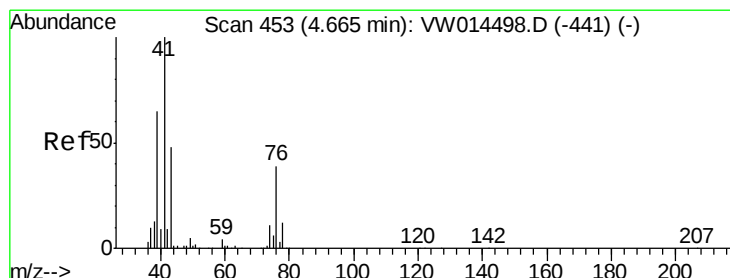
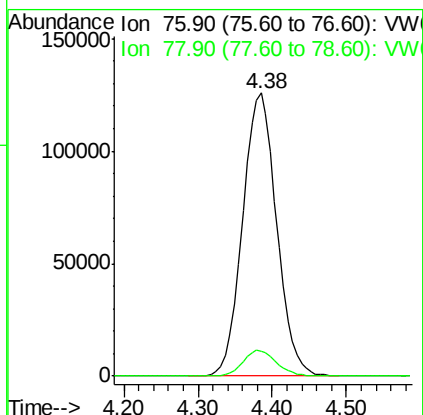
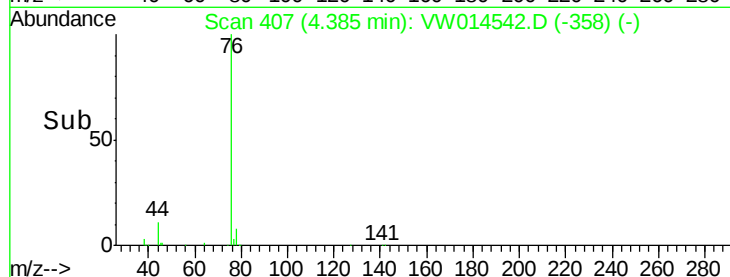
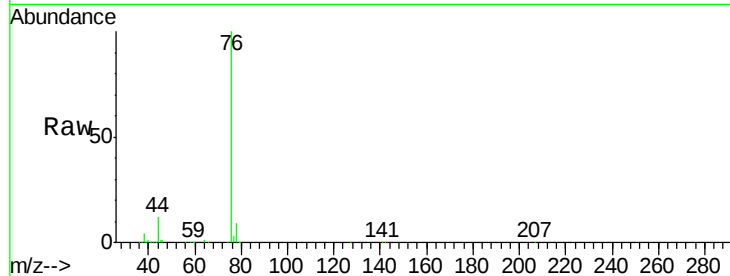
78 8.8 7.8 11.6

Manual Integrations

APPROVED

apatel

1/8/2020 9:13:47 AM



#18

Methyl Acetate

Concen: 18.602 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014542.D

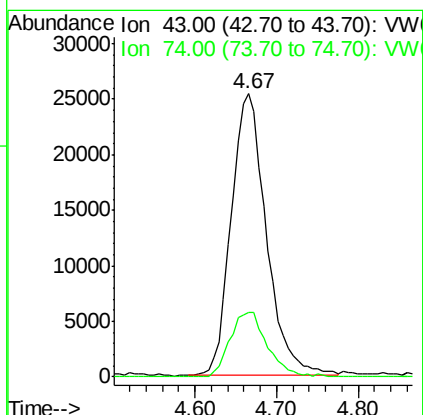
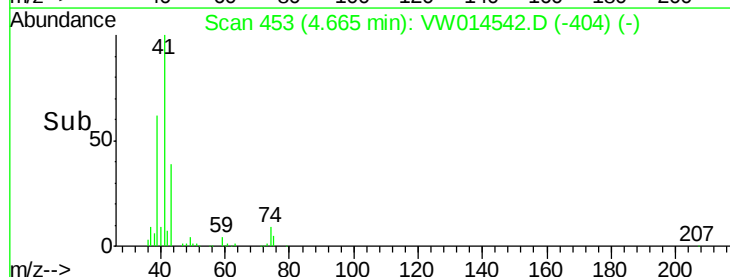
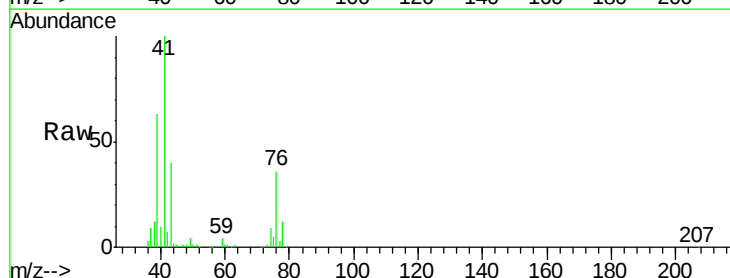
Acq: 07 Jan 2020 12:43

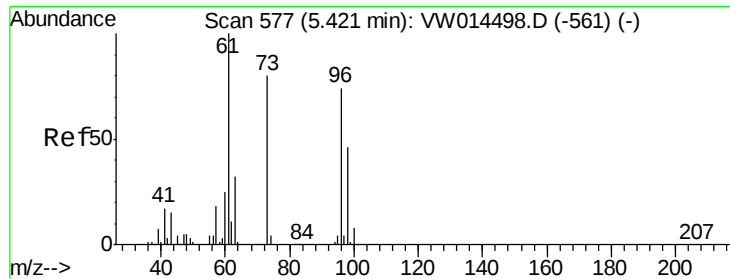
Tgt Ion: 43 Resp: 75760

Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9





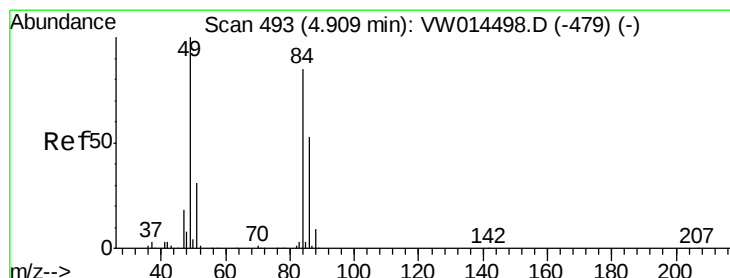
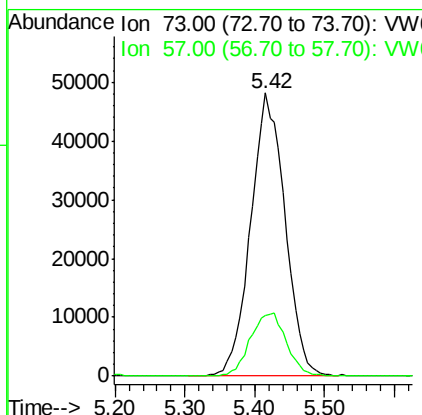
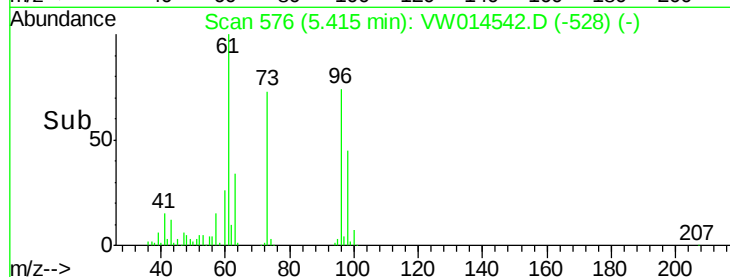
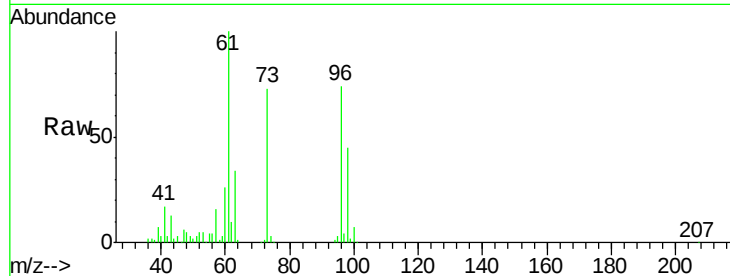
#19
Methyl tert-butyl Ether
Concen: 19.426 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tgt Ion: 73 Resp: 163913
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1

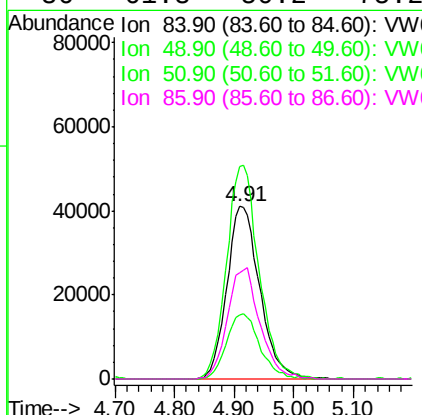
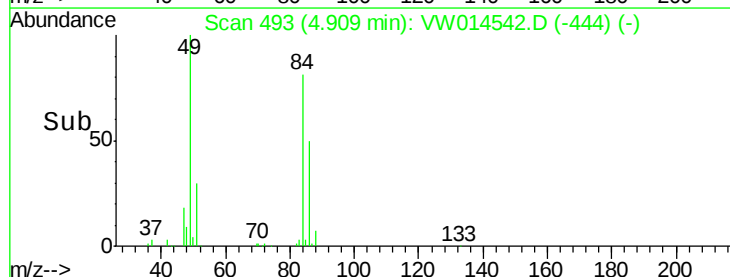
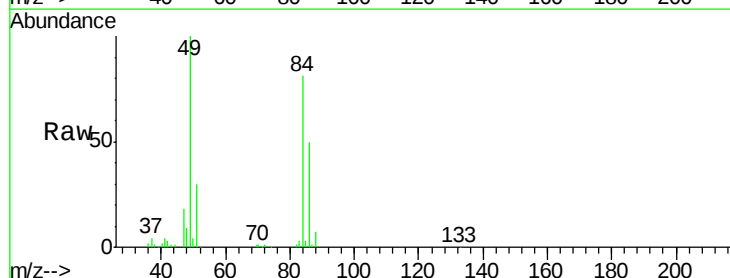
Manual Integrations
APPROVED

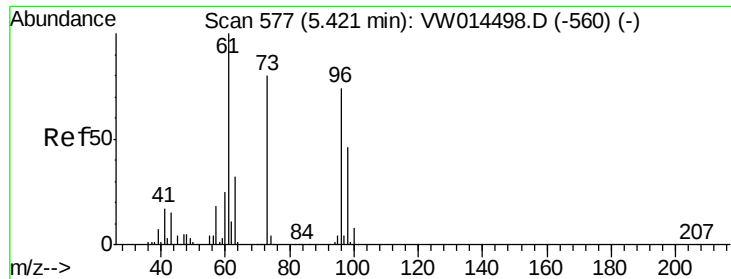
apatel
1/8/2020 9:13:47 AM



#20
Methylene Chloride
Concen: 20.359 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 84 Resp: 157132
Ion Ratio Lower Upper
84 100
49 123.2 94.4 141.6
51 37.3 29.5 44.3
86 61.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.710 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

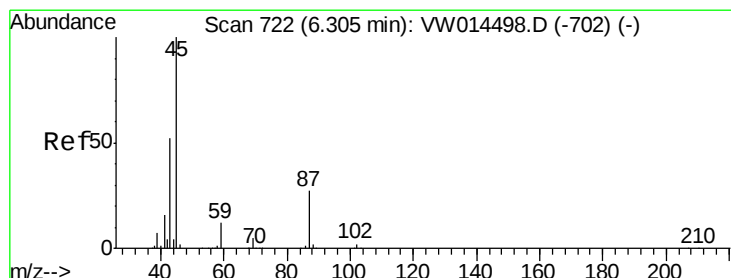
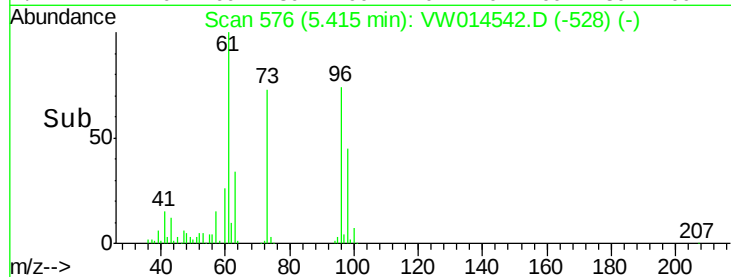
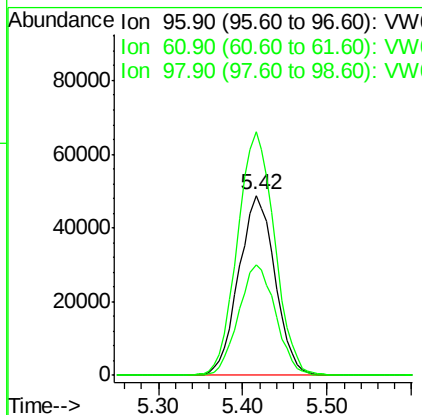
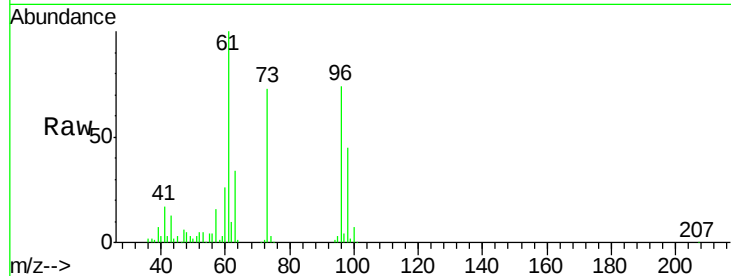
ClientSampled :

VW0107SBS01

Tgt Ion:	96	Resp:	142265
Ion	Ratio	Lower	Upper
96	100		
61	135.4	107.8	161.6
98	61.5	49.4	74.0

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#22

Diisopropyl ether

Concen: 20.605 ug/l

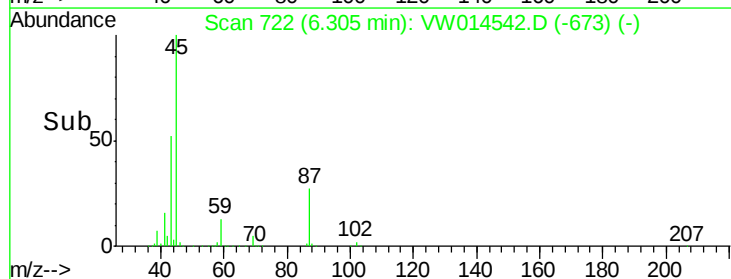
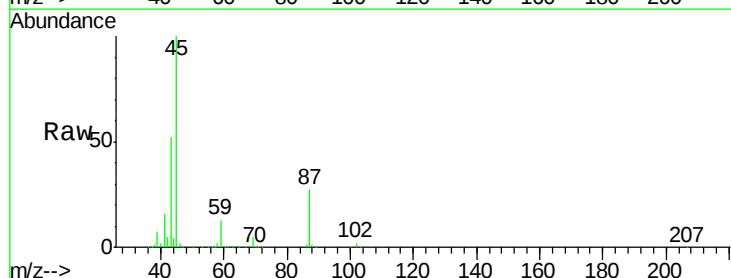
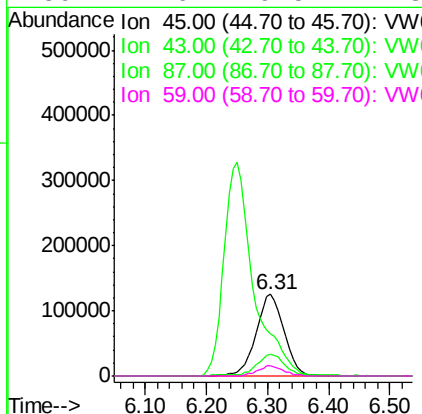
RT: 6.31 min Scan# 722

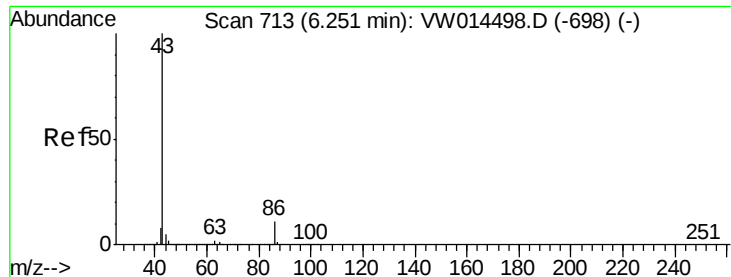
Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion:	45	Resp:	400623
Ion	Ratio	Lower	Upper
45	100		
43	52.3	41.4	62.0
87	27.3	22.2	33.2
59	12.6	9.5	14.3





#23

Vinyl Acetate

Concen: 93.571 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tgt Ion: 43 Resp: 1098599

Ion Ratio Lower Upper

43 100

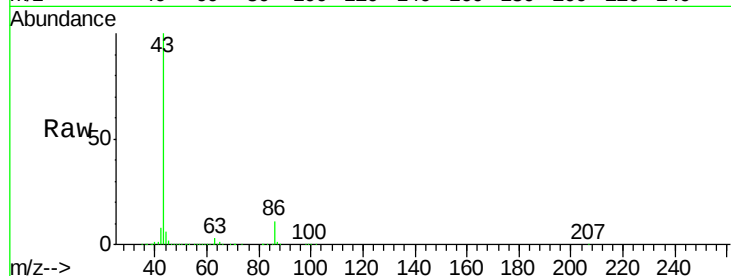
86 10.6 8.8 13.2

Manual Integrations

APPROVED

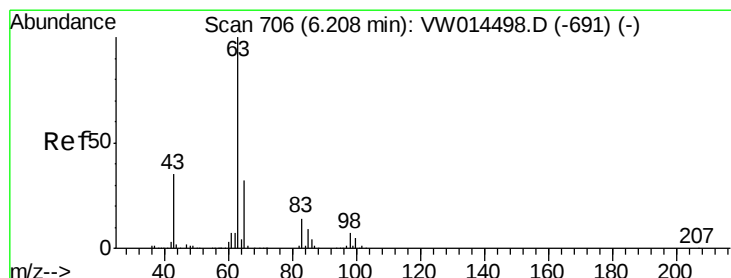
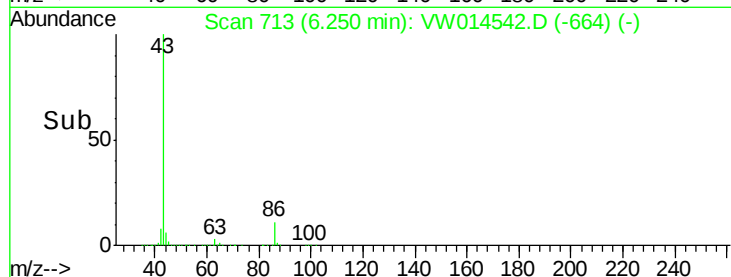
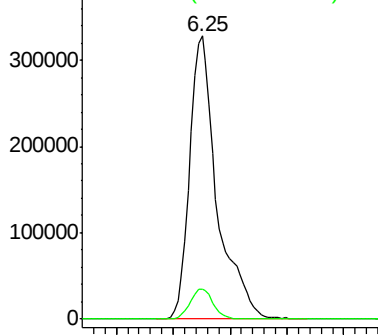
apatel

1/8/2020 9:13:47 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: 20.336 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

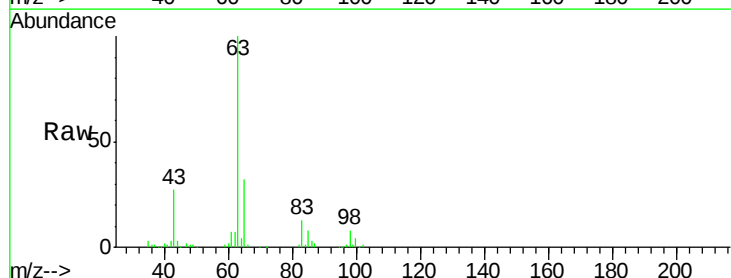
Tgt Ion: 63 Resp: 249405

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

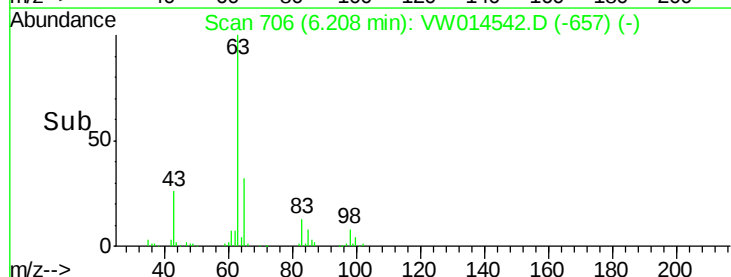
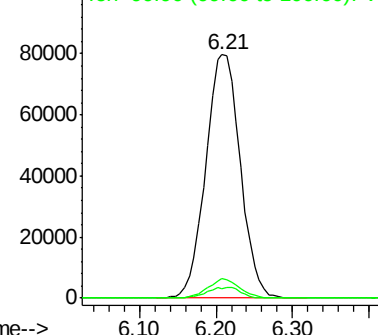
100 4.0 2.5 7.4

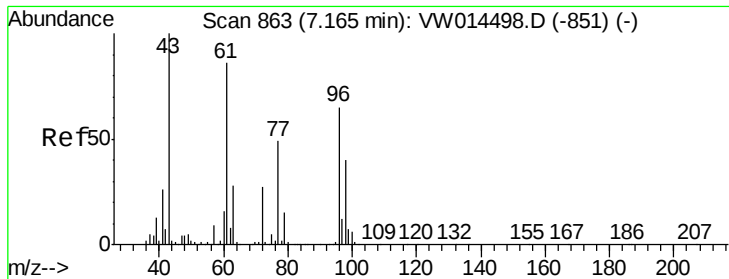


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 87.288 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tgt Ion: 43 Resp: 188901

Ion Ratio Lower Upper

43 100

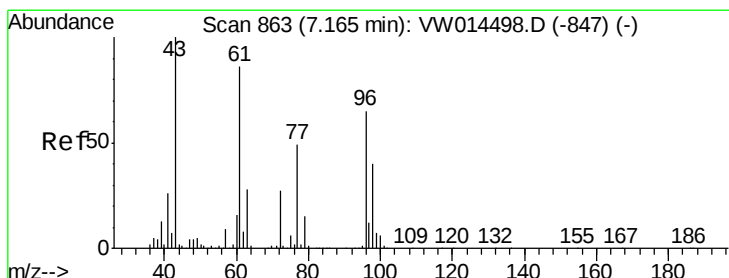
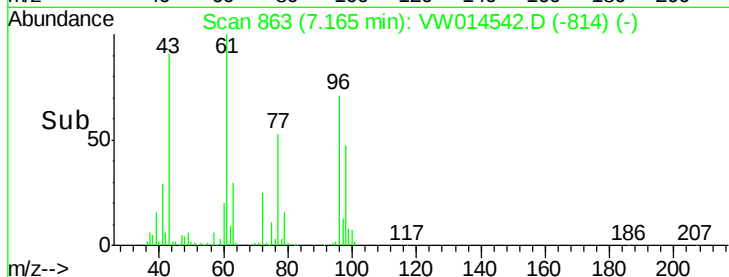
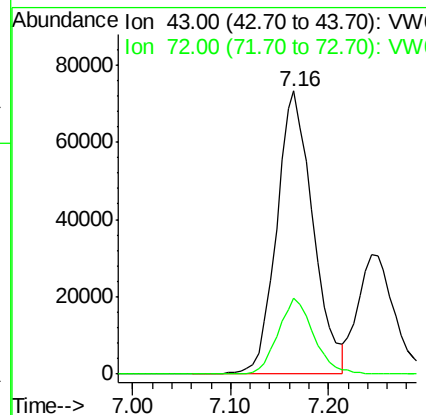
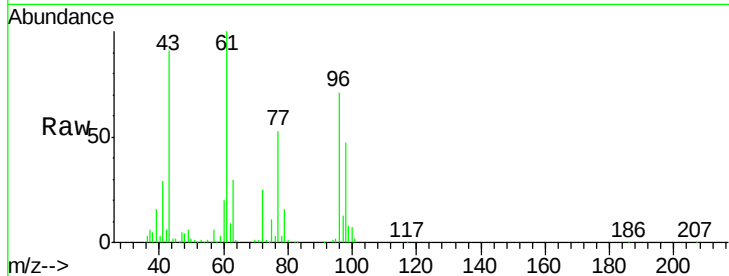
72 27.1 21.9 32.9

Manual Integrations

APPROVED

apatel

1/8/2020 9:13:47 AM



#26

2,2-Dichloropropane

Concen: 19.421 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014542.D

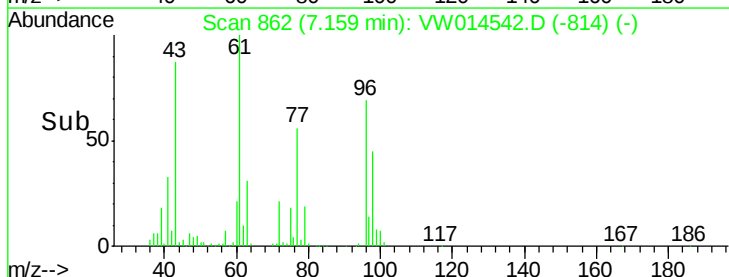
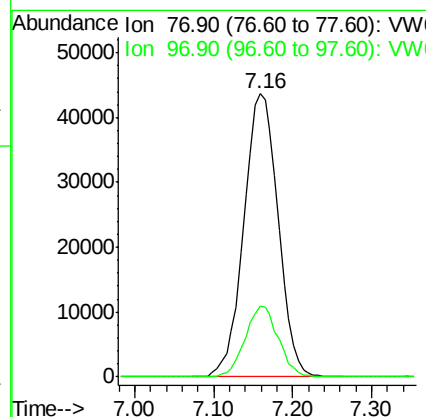
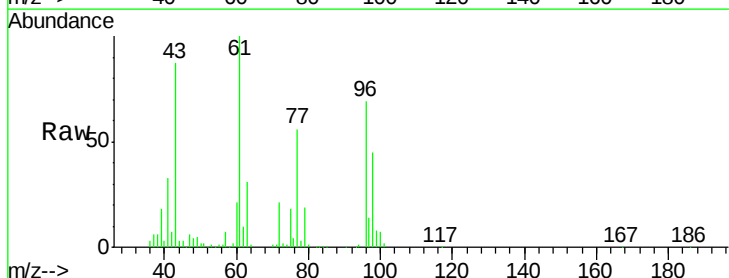
Acq: 07 Jan 2020 12:43

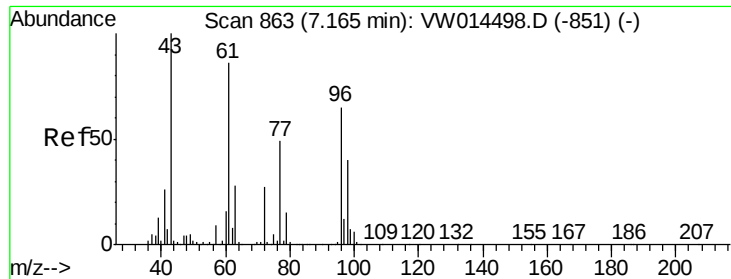
Tgt Ion: 77 Resp: 131870

Ion Ratio Lower Upper

77 100

97 24.1 12.5 37.5





#27

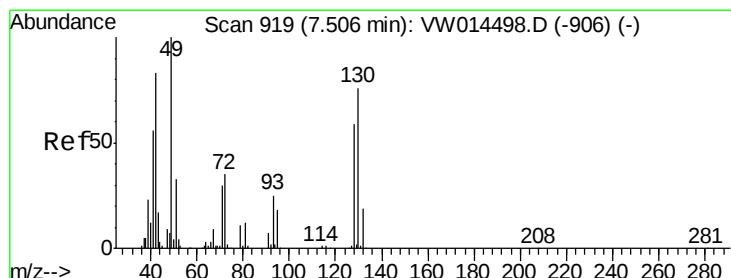
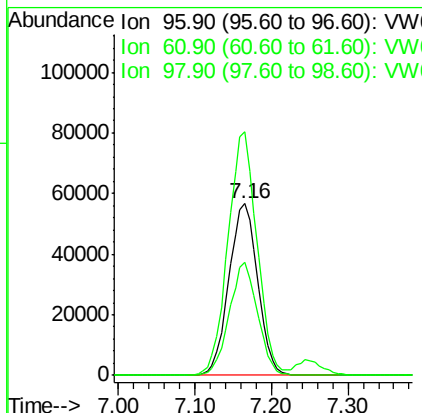
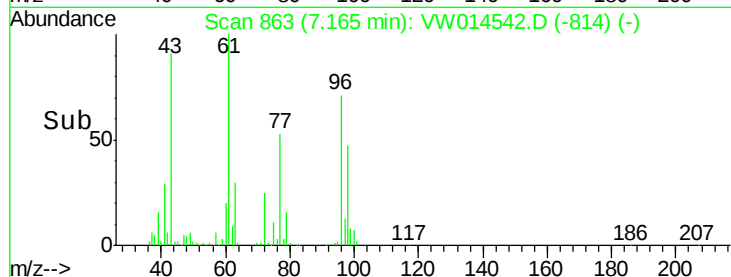
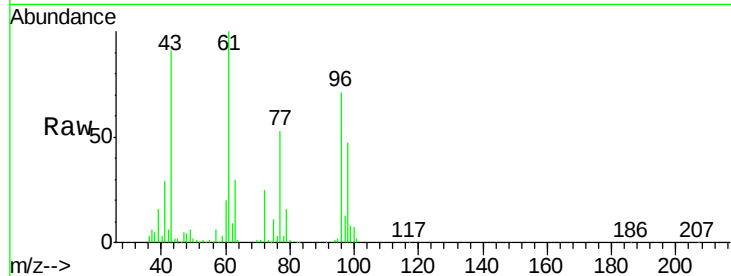
cis-1,2-Dichloroethene
Concen: 19.470 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	147665		
61	142.6	0.0	274.8	
98	64.4	0.0	128.6	

Manual Integrations
APPROVED

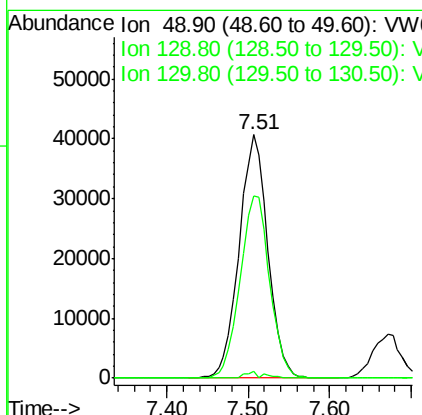
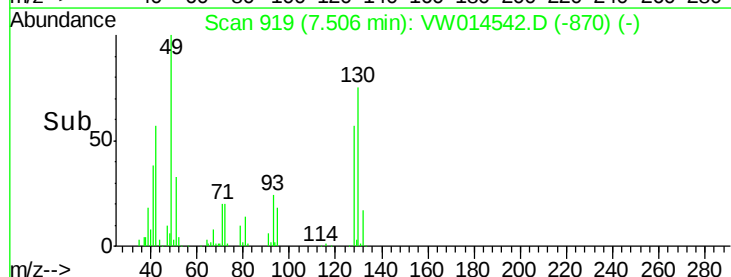
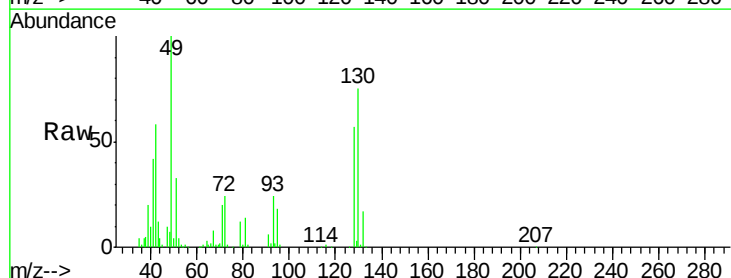
apatel
1/8/2020 9:13:47 AM

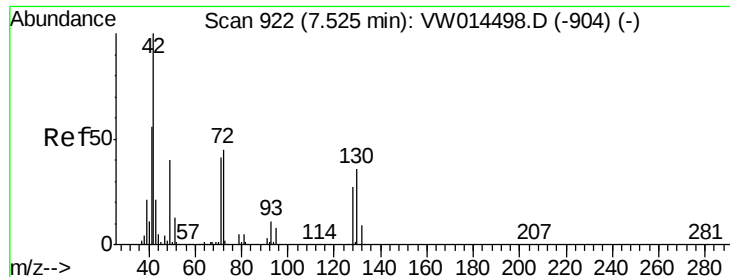


#28

Bromochloromethane
Concen: 20.610 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99099		
129	0.8	0.0	2.0	
130	77.2	62.5	93.7	





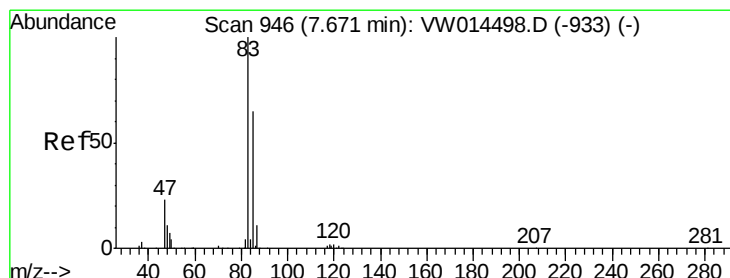
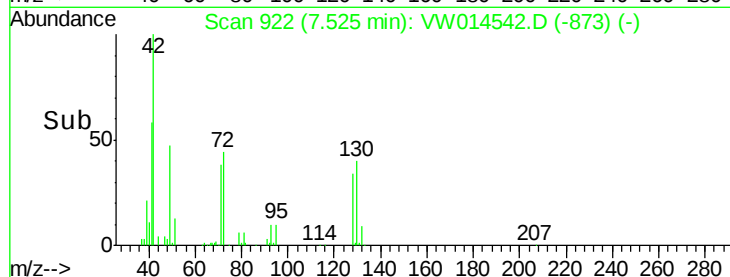
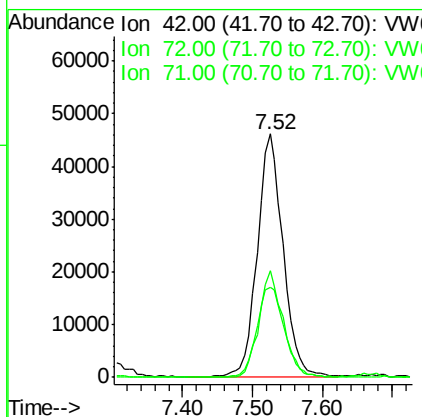
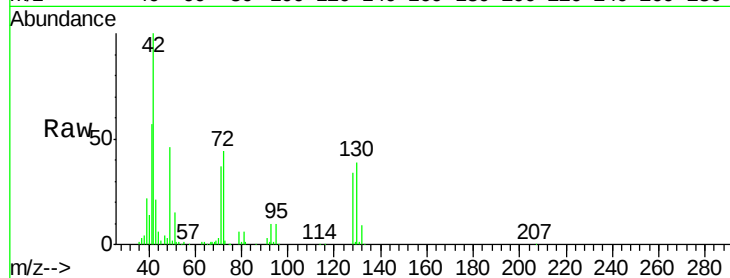
#29
Tetrahydrofuran
Concen: 87.793 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.5	51.7
71	39.0	32.0	48.0

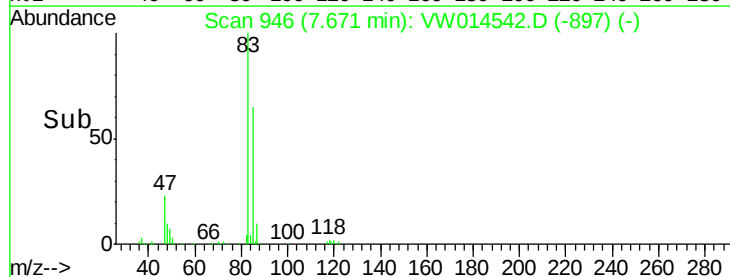
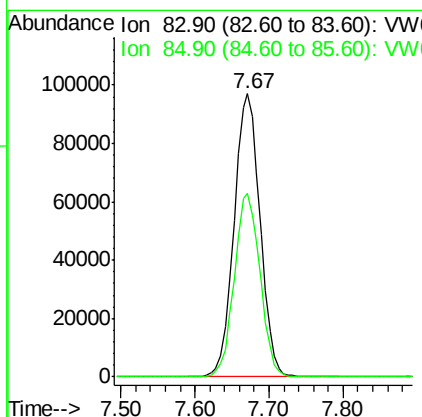
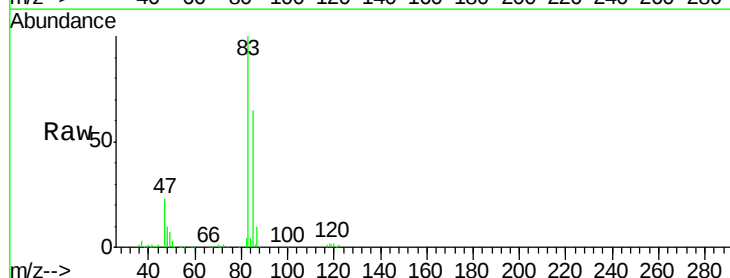
Manual Integrations
APPROVED

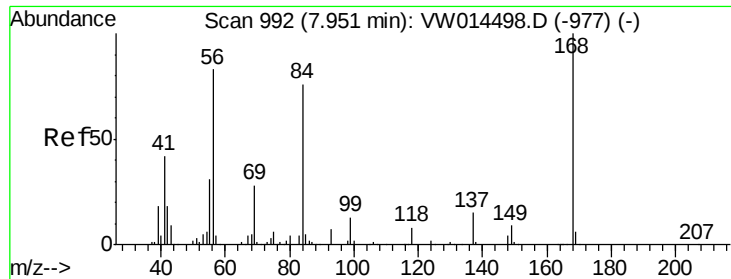
apatel
1/8/2020 9:13:47 AM



#30
Chloroform
Concen: 20.680 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2





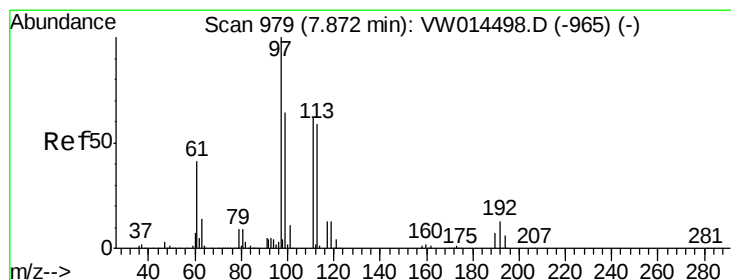
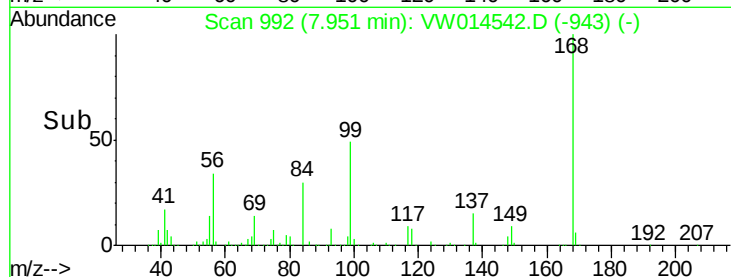
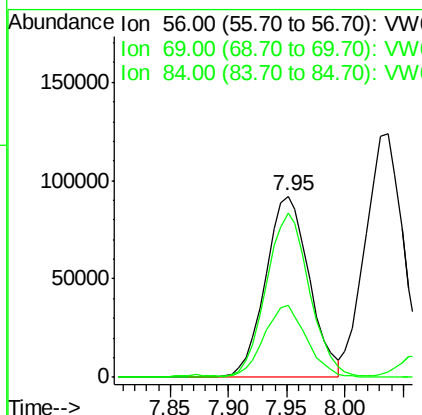
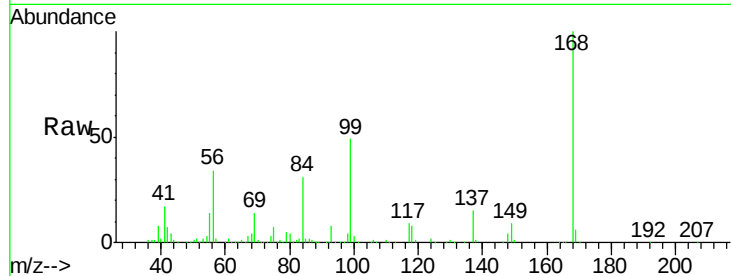
#31
Cyclohexane
Concen: 18.815 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	39.5	26.8	40.2
84	89.5	71.8	107.6

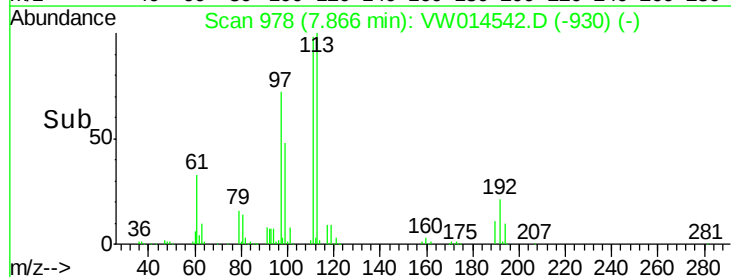
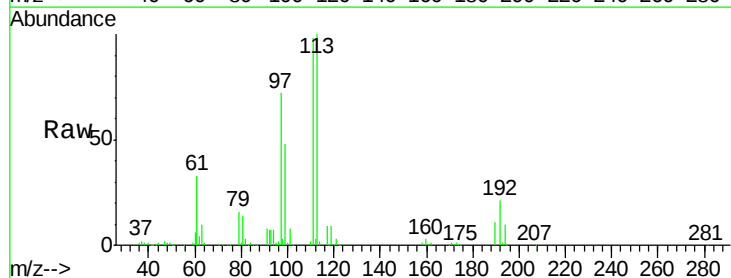
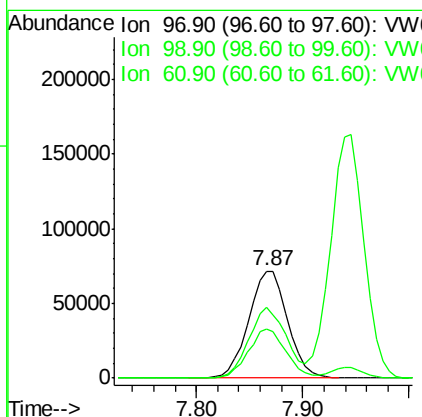
Manual Integrations
APPROVED

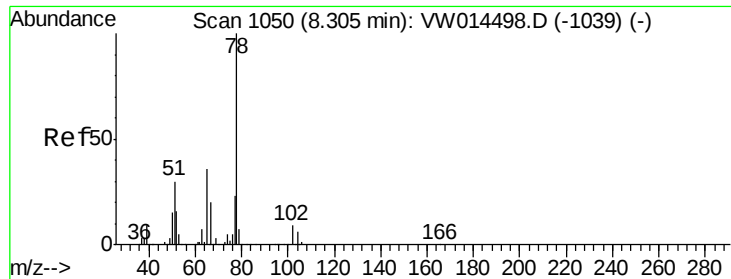
apatel
1/8/2020 9:13:47 AM



#32
1,1,1-Trichloroethane
Concen: 19.823 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	44.6	33.8	50.8





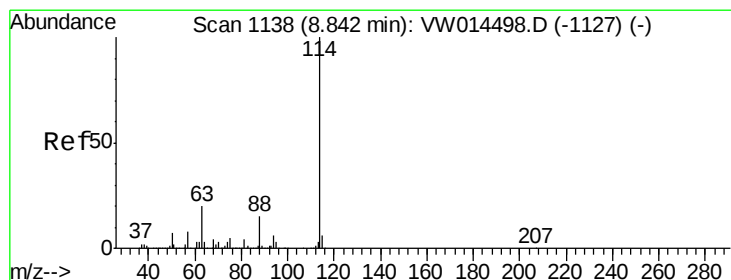
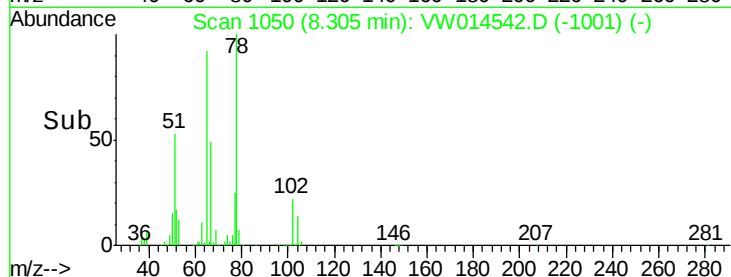
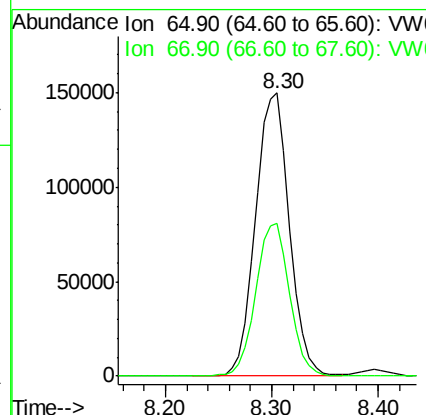
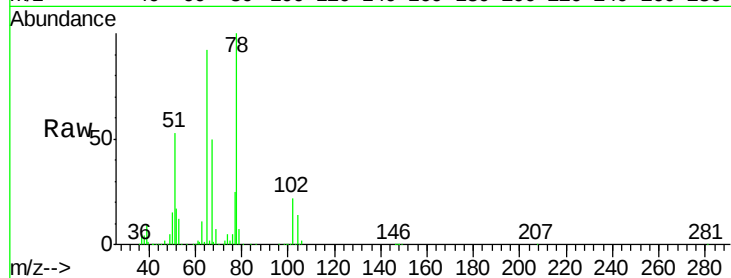
#33
 1,2-Dichloroethane-d4
 Concen: 56.019 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	334554		
67	53.8	0.0	108.4	

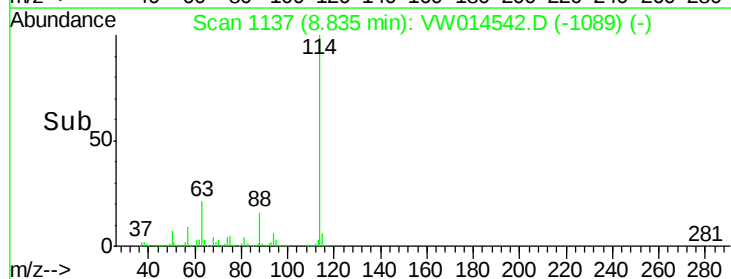
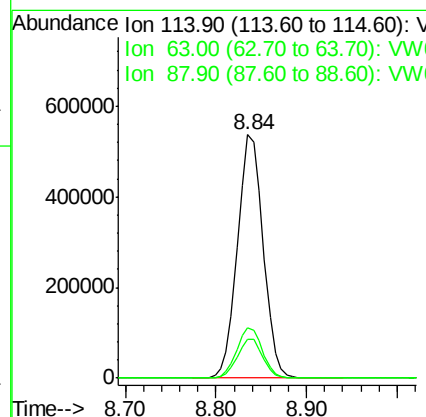
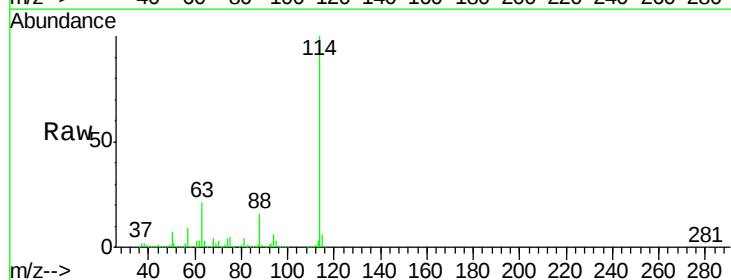
Manual Integrations
 APPROVED

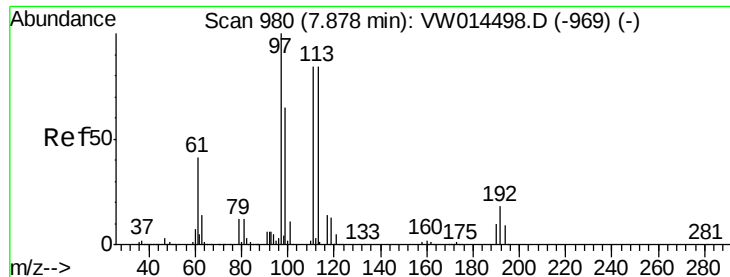
apatel
 1/8/2020 9:13:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1058462		
63	20.7	0.0	40.4	
88	16.2	0.0	30.6	





#35

Dibromofluoromethane

Concen: 54.817 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

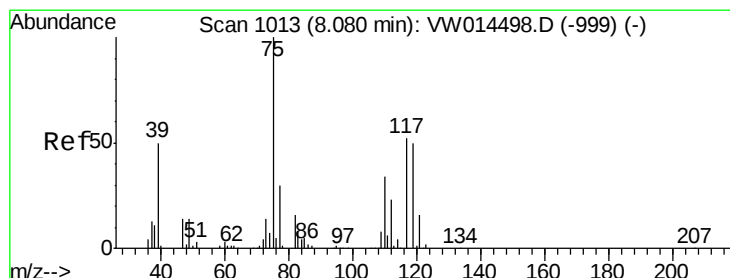
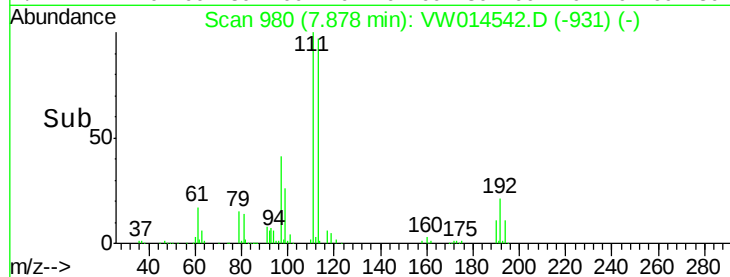
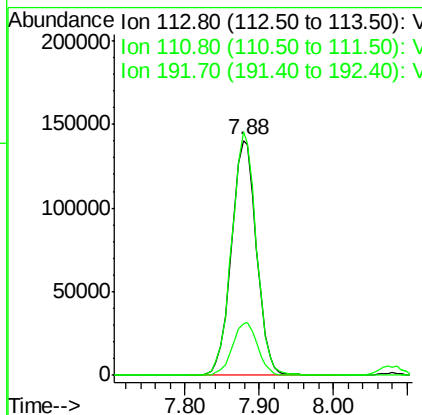
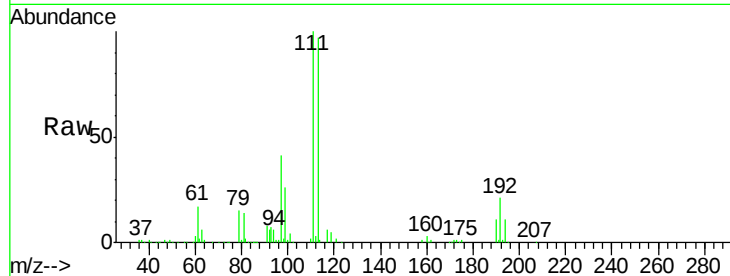
ClientSampleId :

VW0107SBS01

Tgt Ion:	113	Resp:	331606
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.4	122.2
192	22.5	17.8	26.8

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#36

1,1-Dichloropropene

Concen: 19.008 ug/l

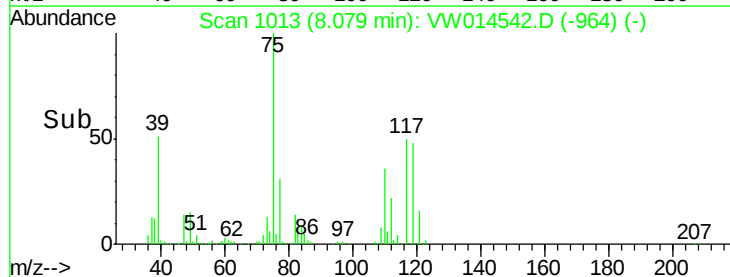
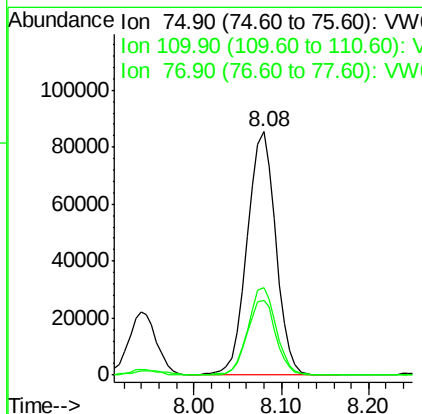
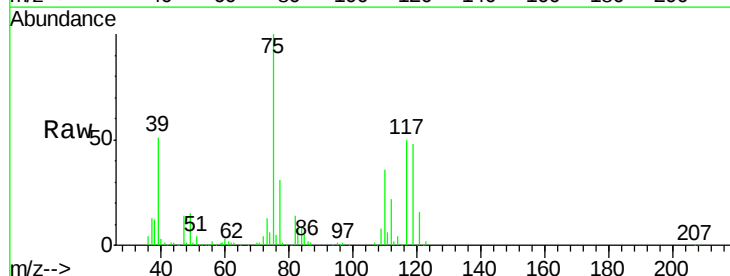
RT: 8.08 min Scan# 1013

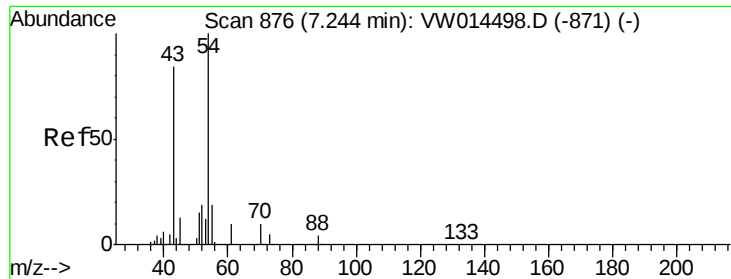
Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion:	75	Resp:	193955
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.8	53.5
77	31.1	24.7	37.1





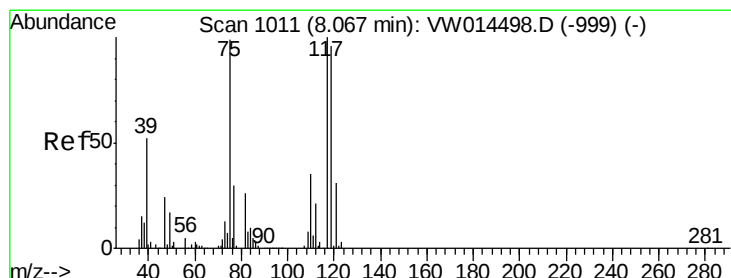
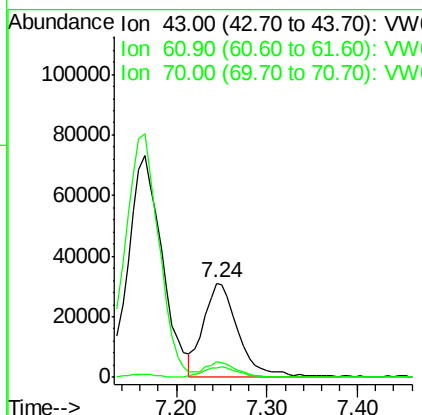
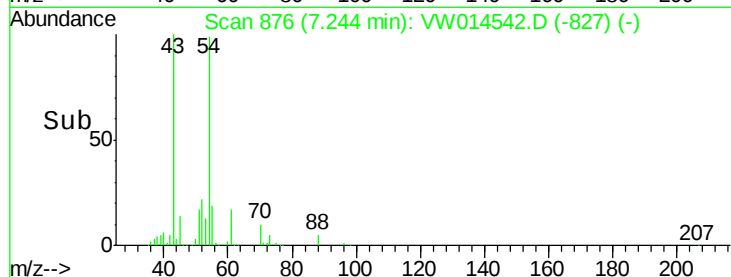
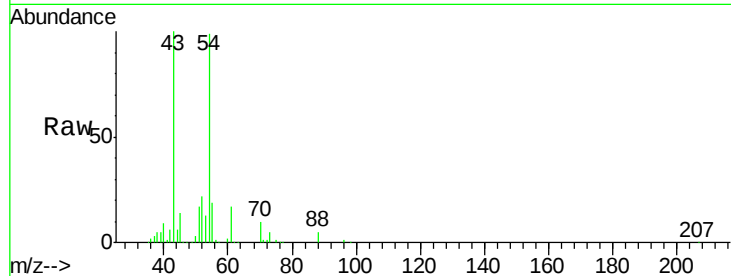
#37
Ethyl Acetate
Concen: 17.639 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	11.2	9.0	13.6

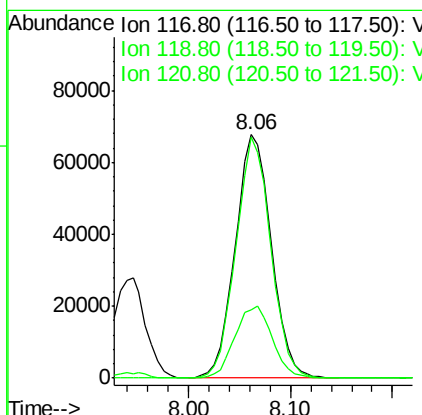
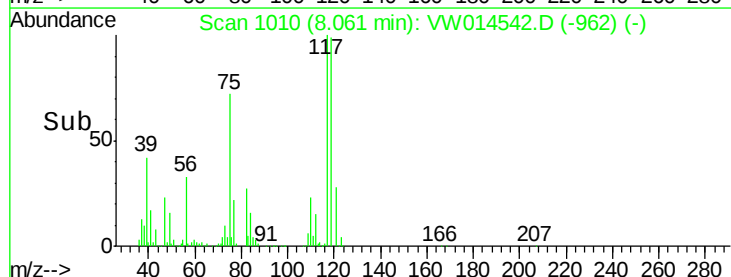
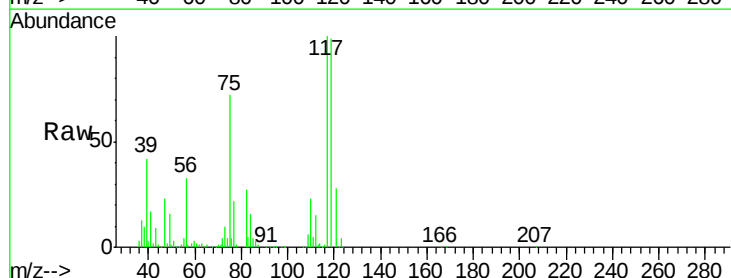
Manual Integrations
APPROVED

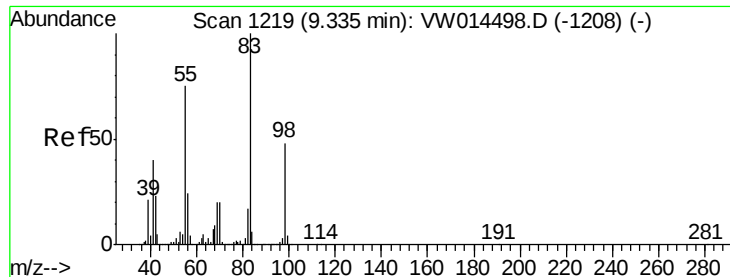
apatel
1/8/2020 9:13:47 AM



#38
Carbon Tetrachloride
Concen: 18.808 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.0	115.6
121	28.3	24.6	36.8





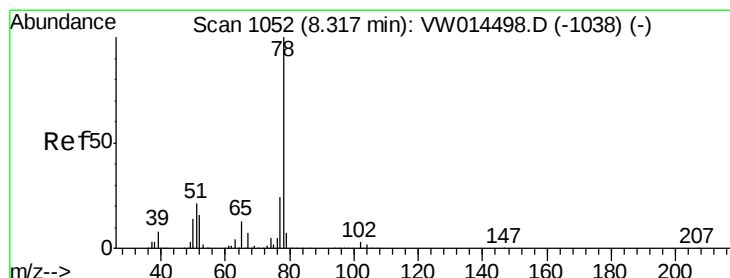
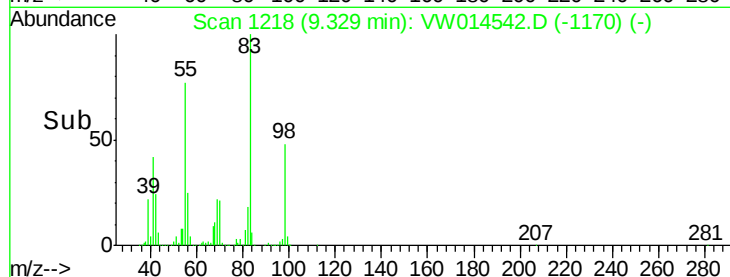
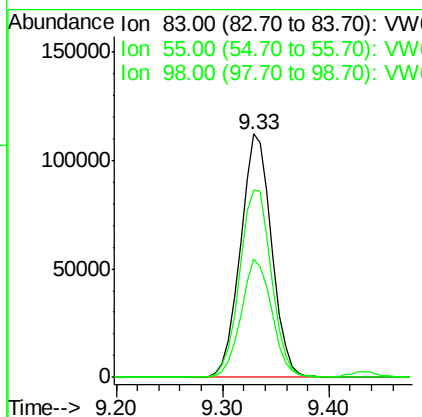
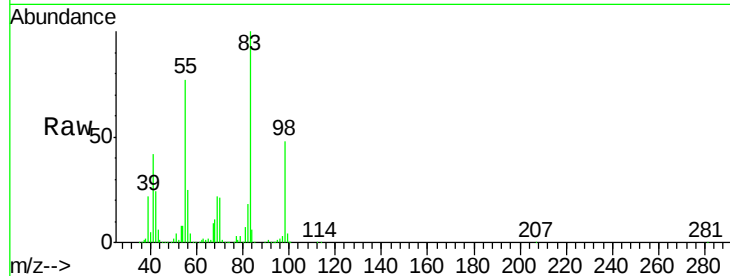
#39
Methylcyclohexane
Concen: 17.600 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	230466		
55	76.7	60.1	90.1	
98	48.5	38.8	58.2	

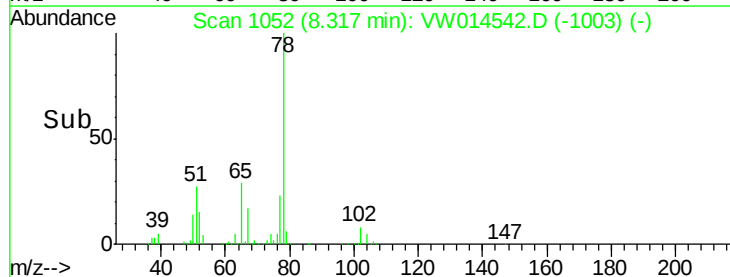
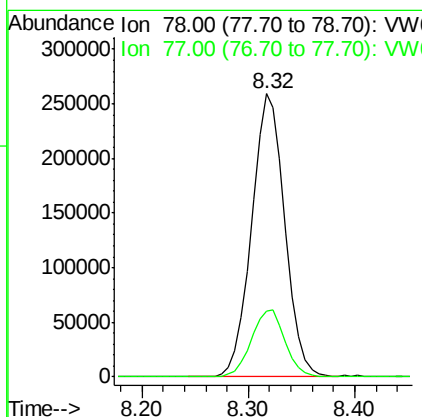
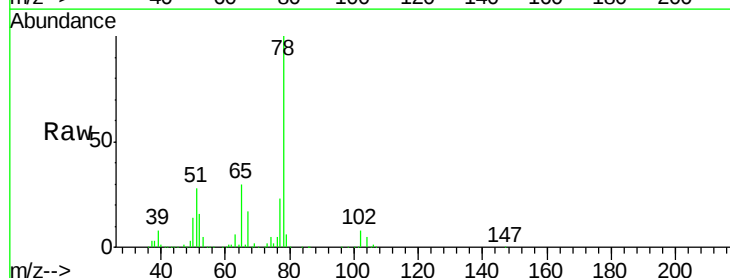
Manual Integrations
APPROVED

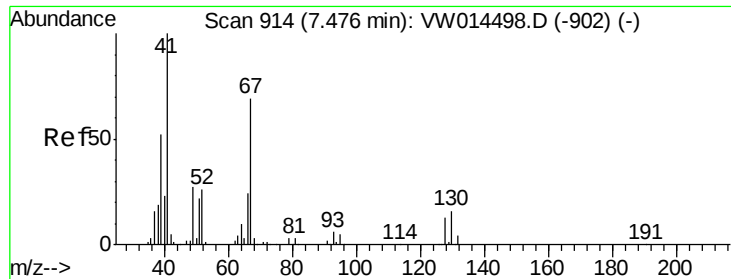
apatel
1/8/2020 9:13:47 AM



#40
Benzene
Concen: 19.600 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	565862		
77	23.3	19.3	28.9	





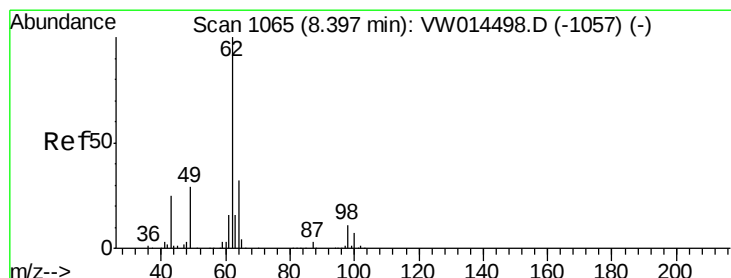
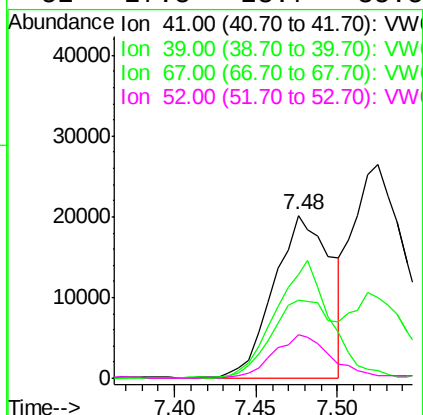
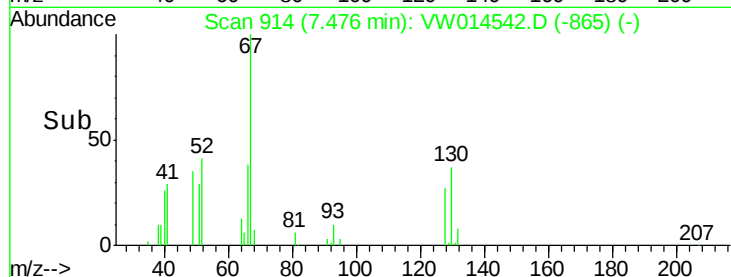
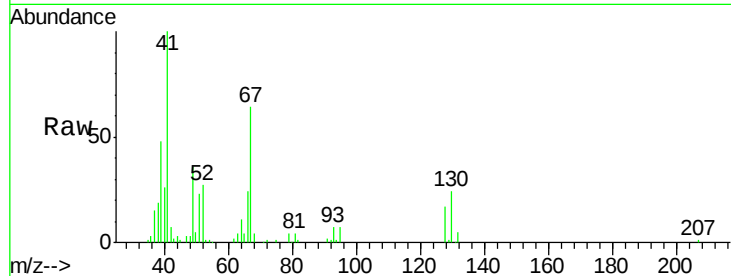
#41
Methacrylonitrile
Concen: 19.070 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.5	46.0	69.0
67	69.4	60.8	91.2
52	27.8	23.7	35.5

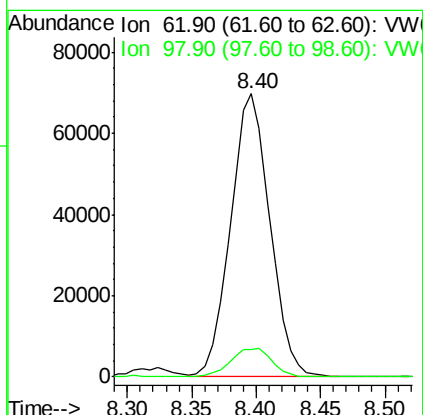
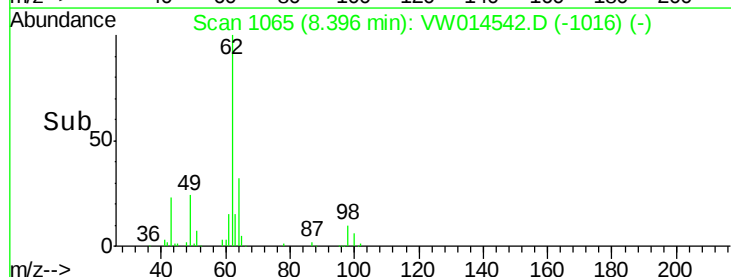
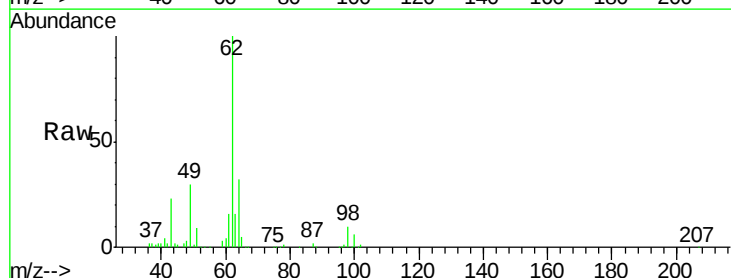
Manual Integrations
APPROVED

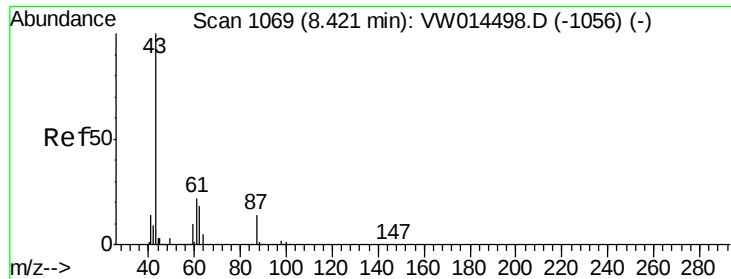
apatel
1/8/2020 9:13:47 AM



#42
1,2-Dichloroethane
Concen: 19.610 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0





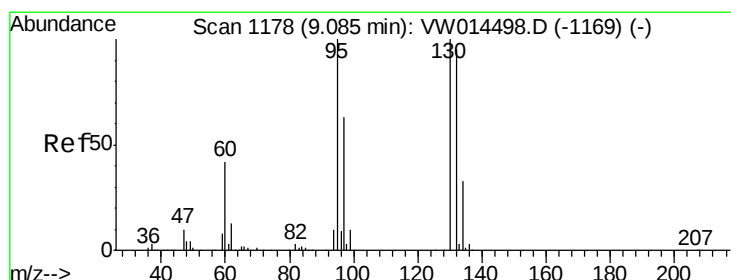
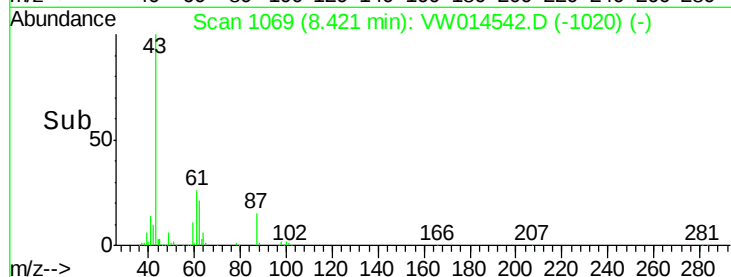
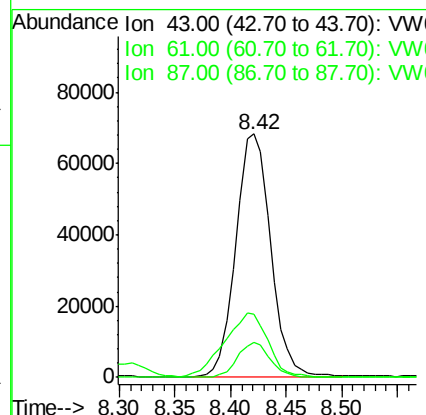
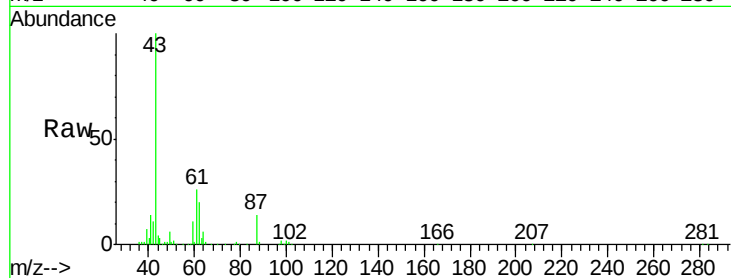
#43
Isopropyl Acetate
Concen: 17.626 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.9	24.7	37.1
87	13.5	11.1	16.7

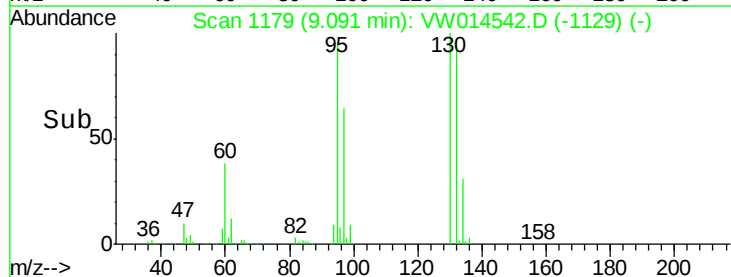
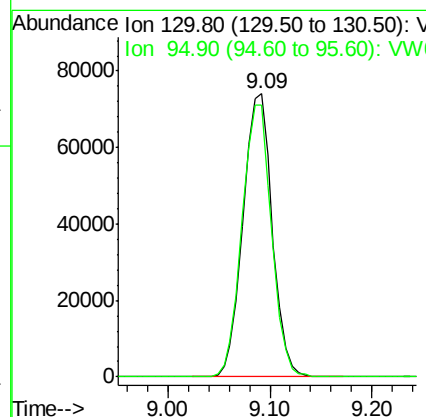
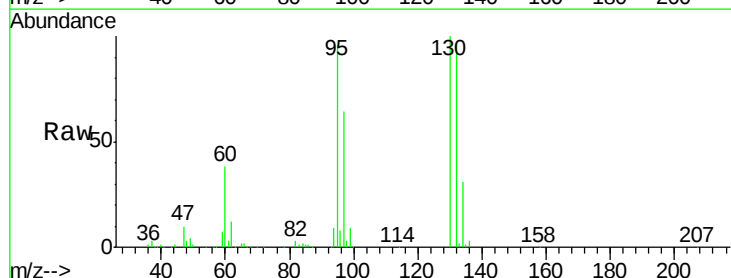
Manual Integrations
APPROVED

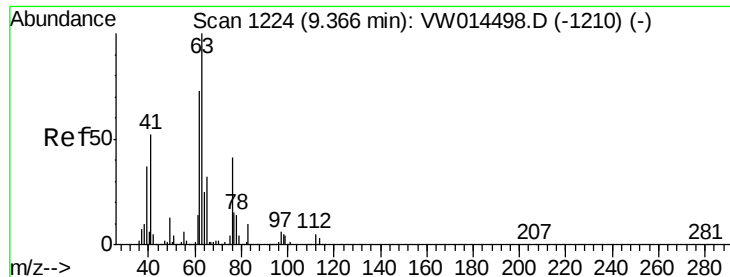
apatel
1/8/2020 9:13:47 AM



#44
Trichloroethene
Concen: 18.818 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	199.4





#45

1,2-Dichloropropane

Concen: 19.982 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tgt Ion: 63 Resp: 141562

Ion Ratio Lower Upper

63 100

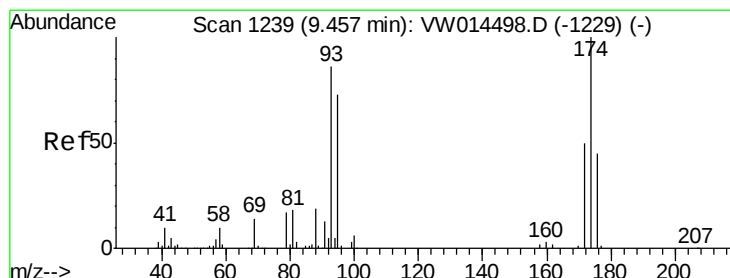
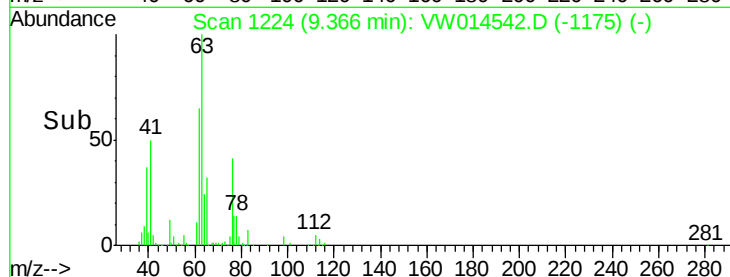
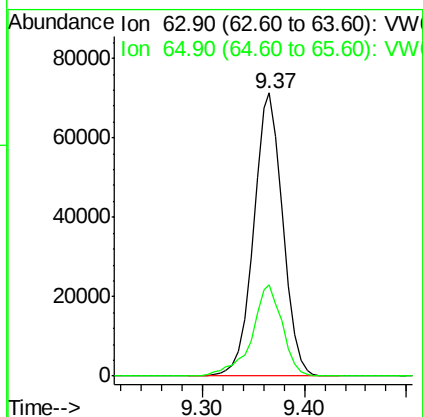
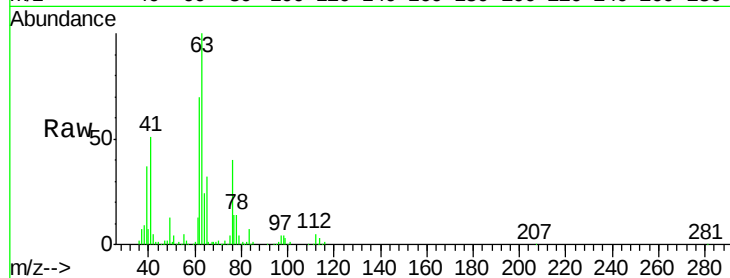
65 32.3 25.6 38.4

Manual Integrations

APPROVED

apatel

1/8/2020 9:13:47 AM



#46

Dibromomethane

Concen: 18.890 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

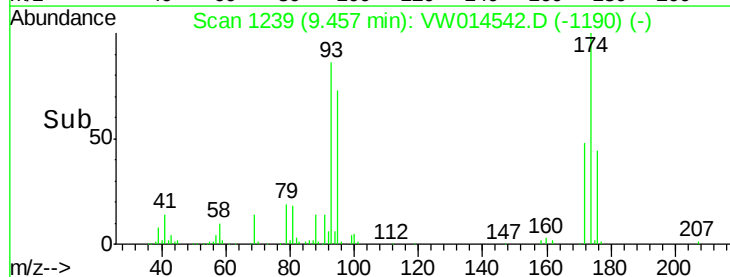
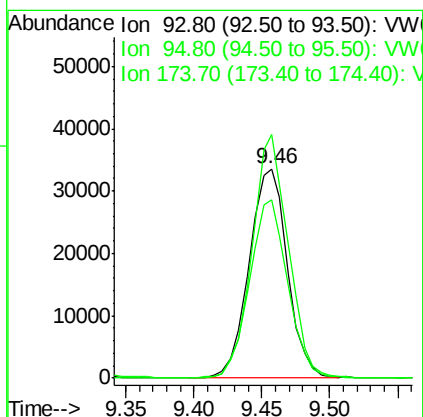
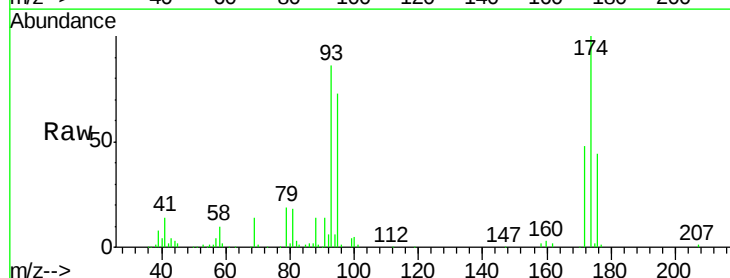
Tgt Ion: 93 Resp: 66066

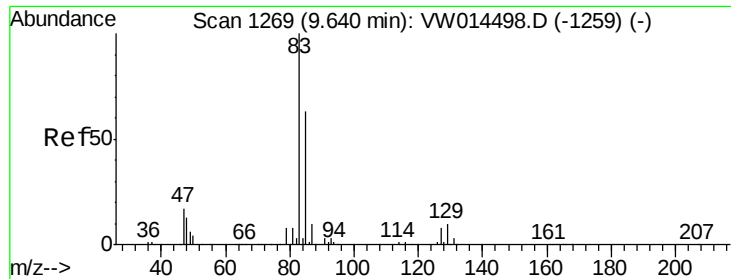
Ion Ratio Lower Upper

93 100

95 85.3 66.4 99.6

174 110.6 89.1 133.7





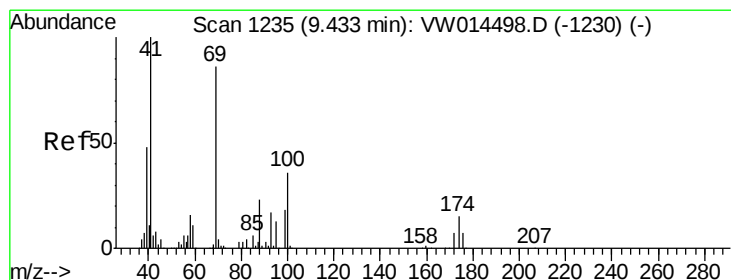
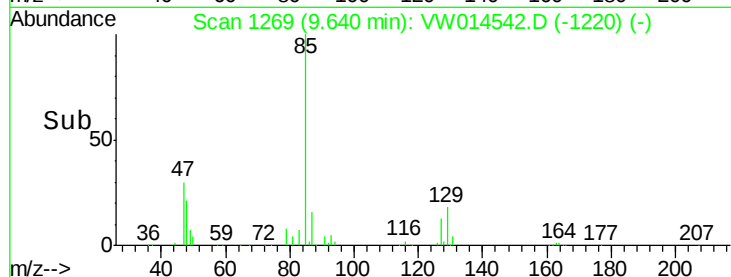
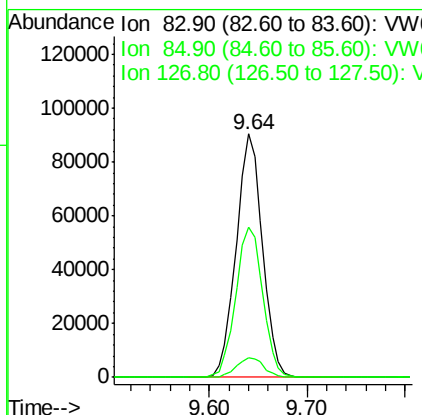
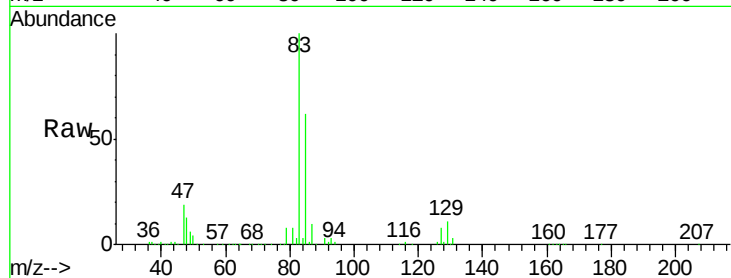
#47
Bromodichloromethane
Concen: 19.488 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.6	76.0
127	8.1	6.6	9.8

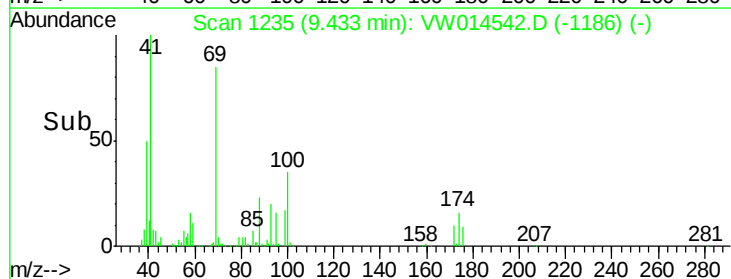
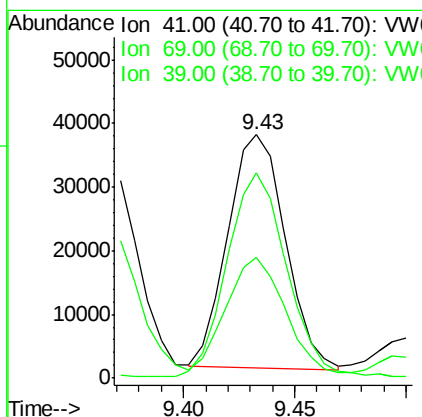
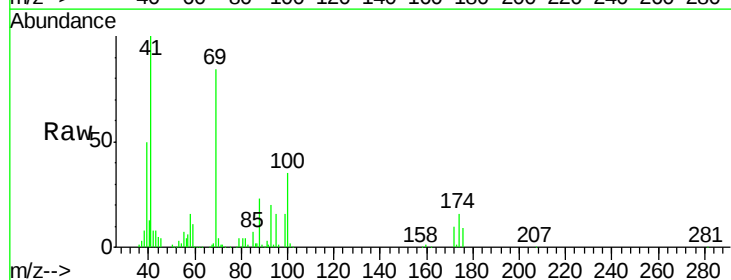
Manual Integrations
APPROVED

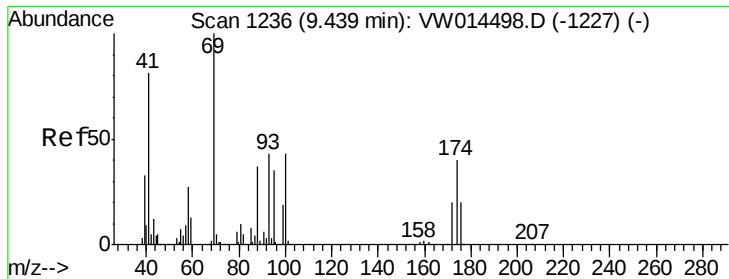
apatel
1/8/2020 9:13:47 AM



#48
Methyl methacrylate
Concen: 16.002 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.7	68.3	102.5
39	49.5	36.8	55.2





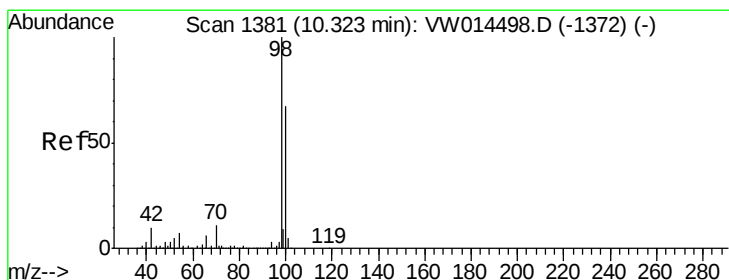
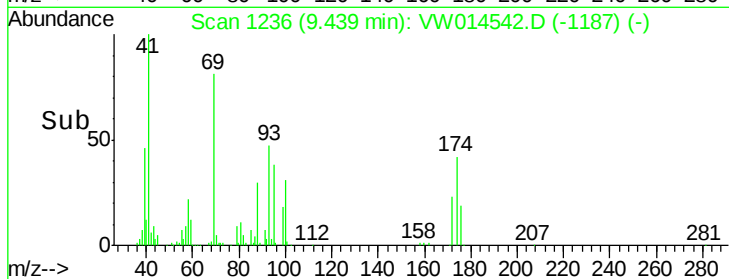
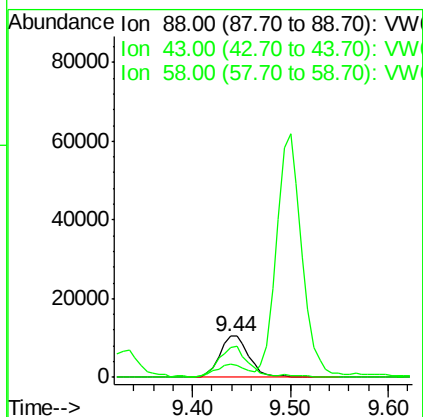
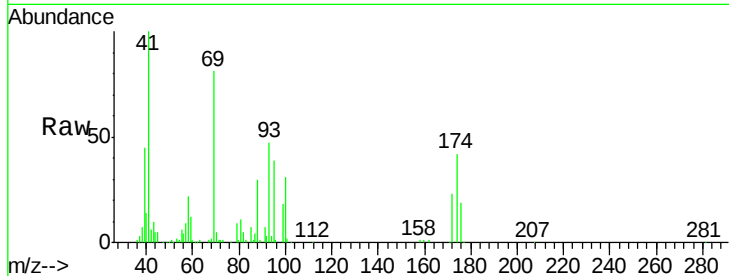
#49
1,4-Dioxane
Concen: 335.689 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.9	37.3
58	74.4	56.9	85.3

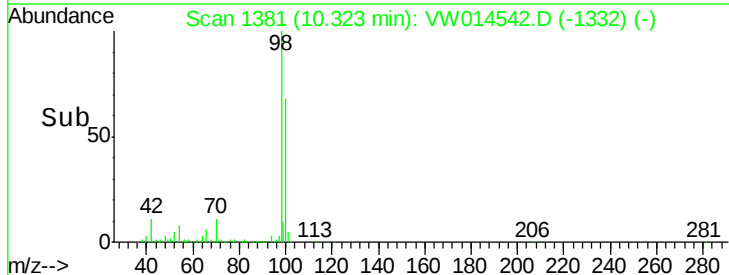
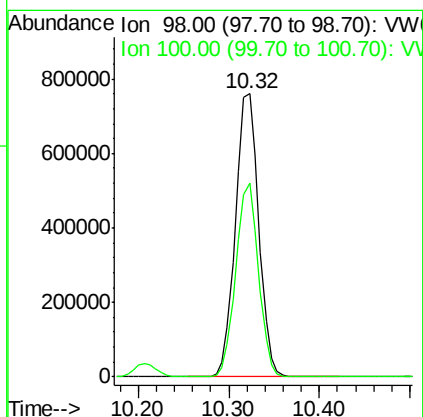
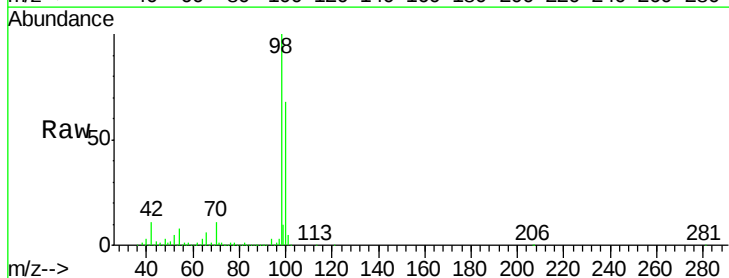
Manual Integrations
APPROVED

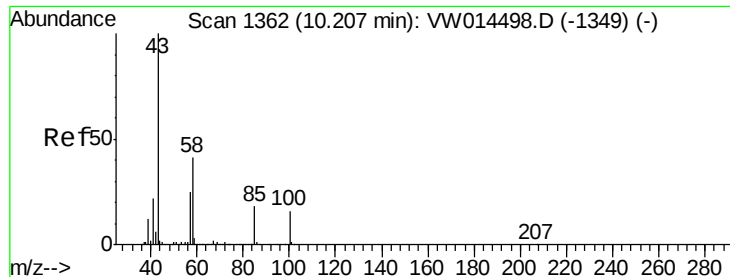
apatel
1/8/2020 9:13:47 AM



#50
Toluene-d8
Concen: 53.748 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.8	80.6





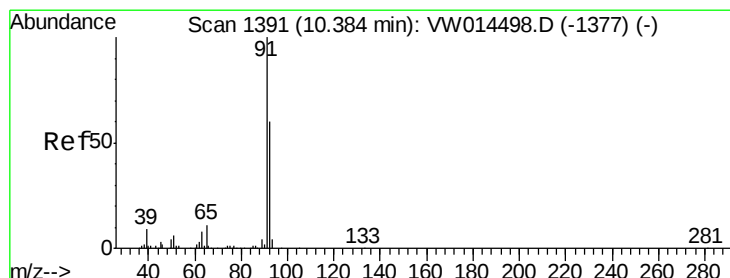
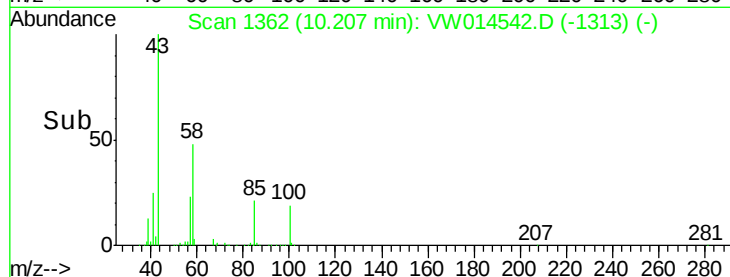
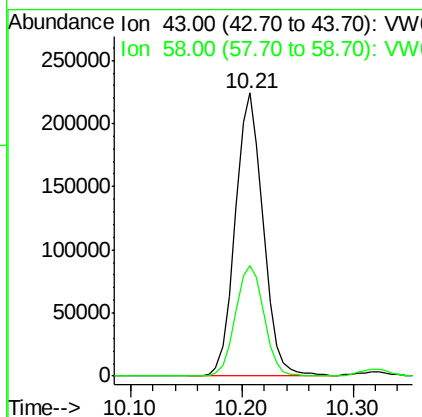
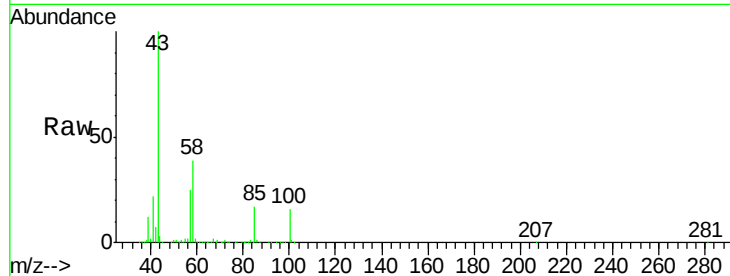
#51
 4-Methyl-2-Pentanone
 Concen: 88.774 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

Tgt Ion: 43 Resp: 387414
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.7 49.1

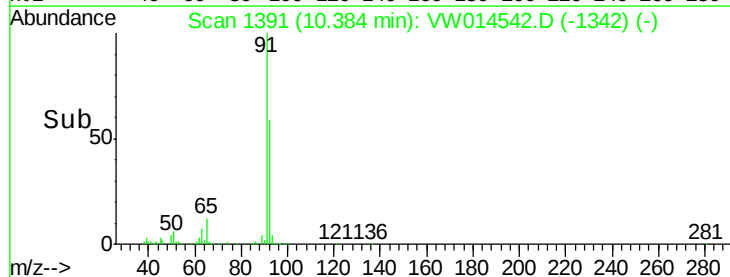
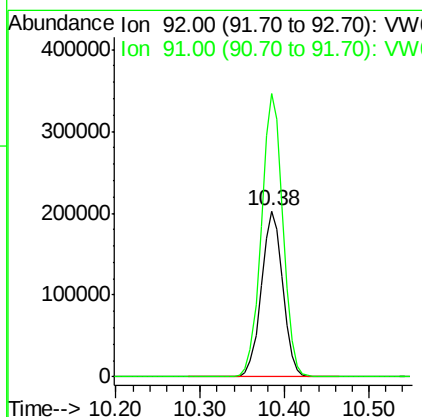
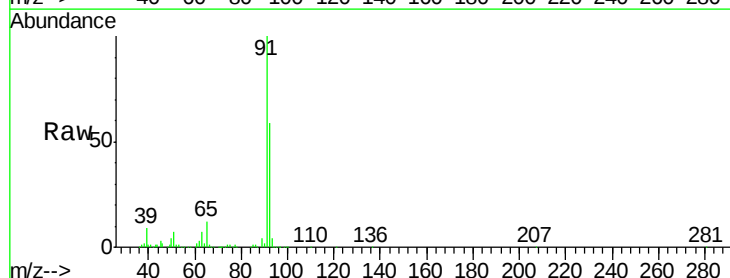
Manual Integrations
 APPROVED

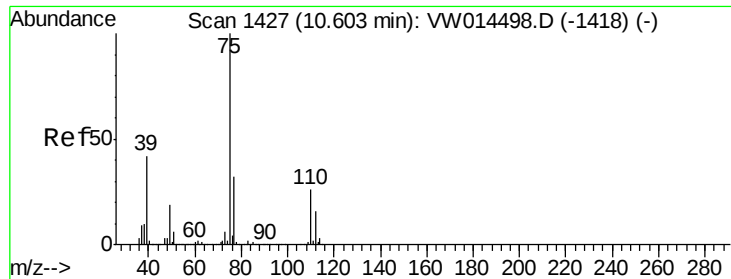
apatel
 1/8/2020 9:13:47 AM



#52
 Toluene
 Concen: 19.466 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion: 92 Resp: 353564
 Ion Ratio Lower Upper
 92 100
 91 171.4 134.1 201.1





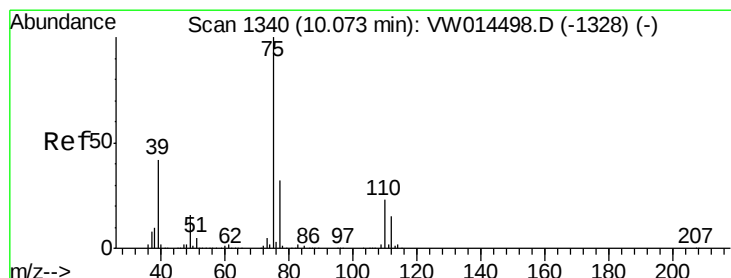
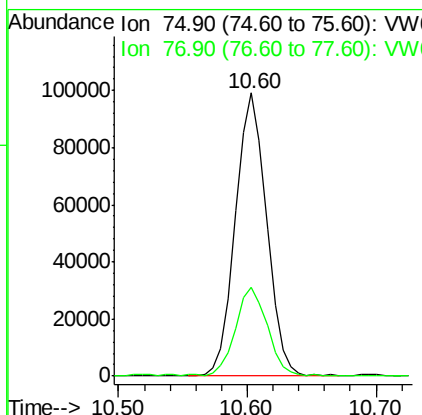
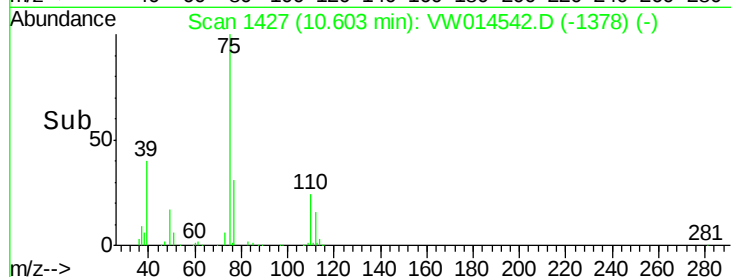
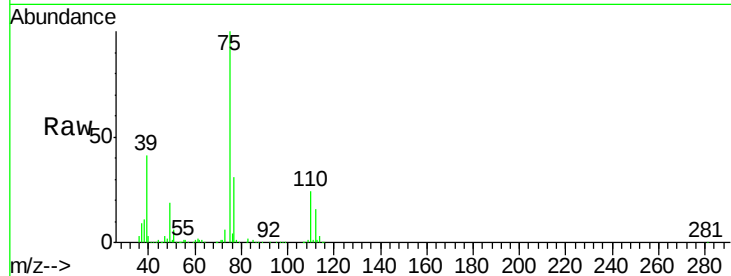
#53
t-1,3-Dichloropropene
Concen: 18.689 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tgt Ion: 75 Resp: 167088
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

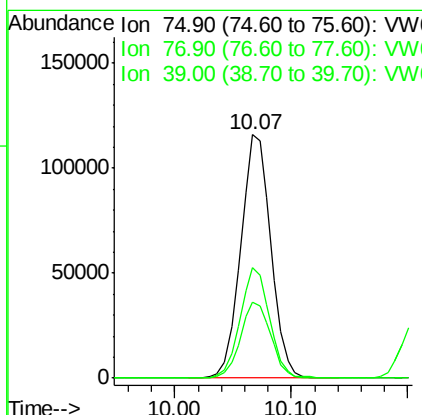
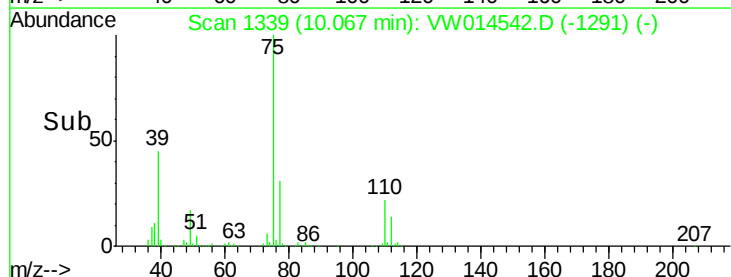
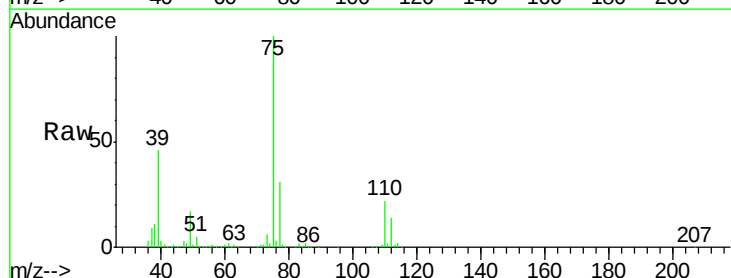
Manual Integrations
APPROVED

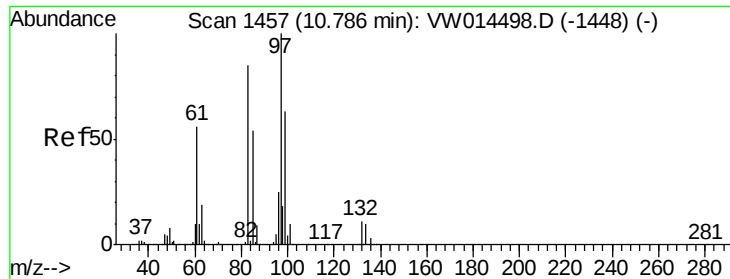
apatel
1/8/2020 9:13:47 AM



#54
cis-1,3-Dichloropropene
Concen: 19.151 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 75 Resp: 209256
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 45.6 33.4 50.2





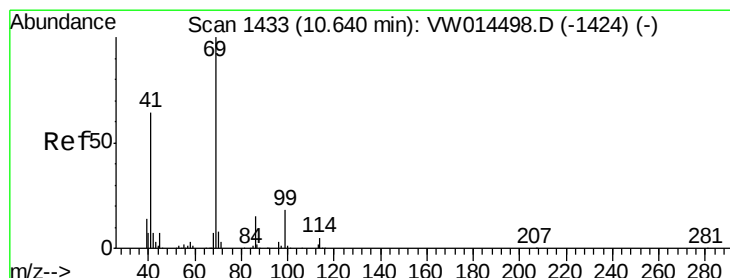
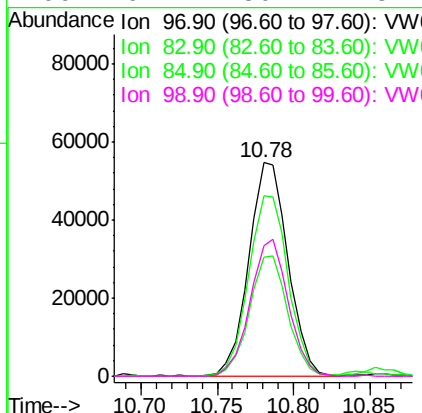
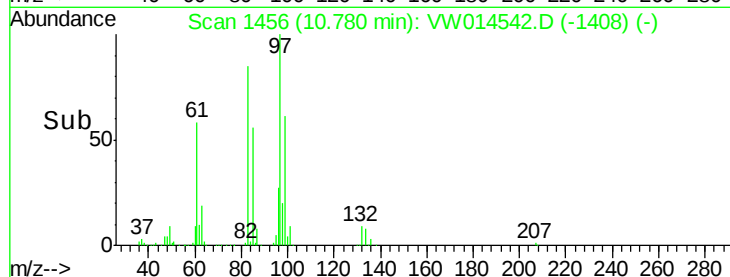
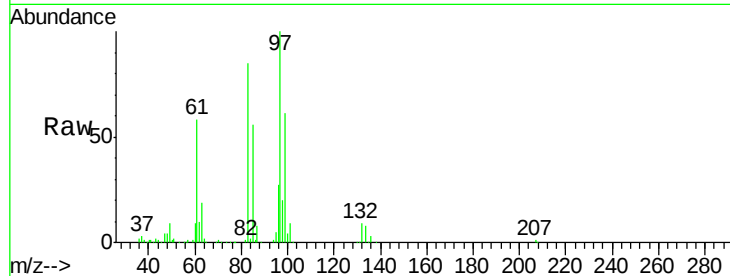
#55
 1,1,2-Trichloroethane
 Concen: 19.031 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.2	102.4
85	55.9	43.0	64.4
99	61.1	50.1	75.1

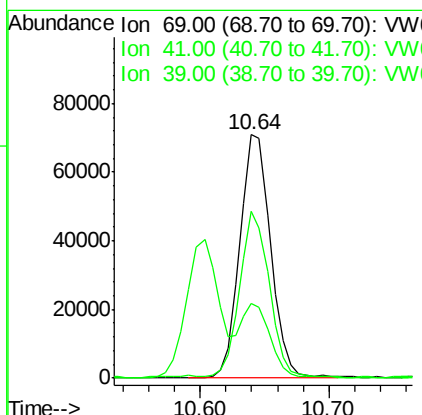
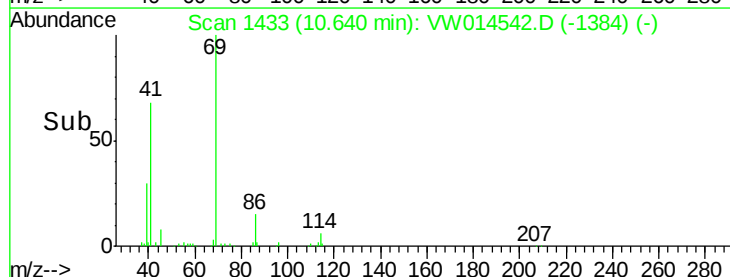
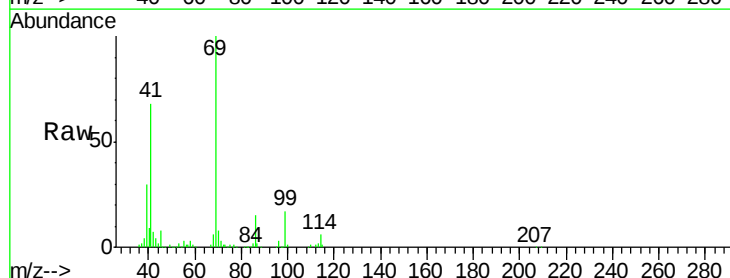
Manual Integrations
 APPROVED

apatel
 1/8/2020 9:13:47 AM



#56
 Ethyl methacrylate
 Concen: 17.726 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.5	51.3	76.9
39	27.1	21.0	31.6





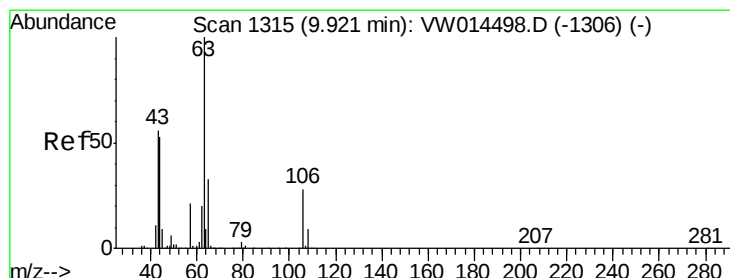
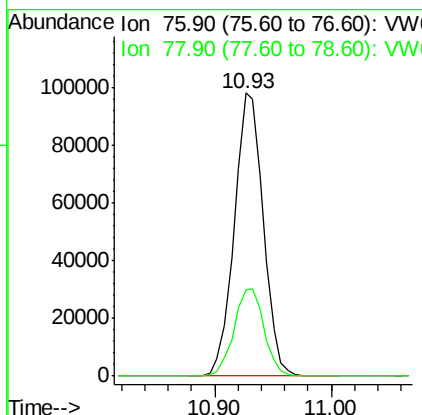
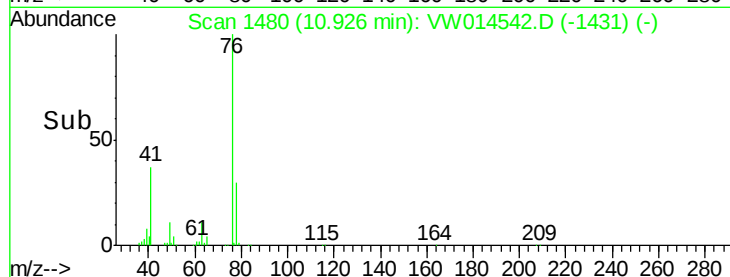
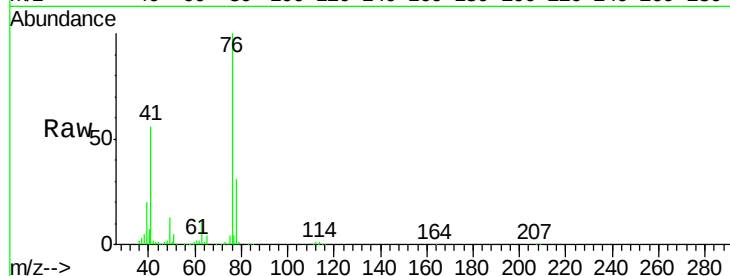
#57
 1,3-Dichloropropane
 Concen: 18.987 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

Tgt Ion: 76 Resp: 170453
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9

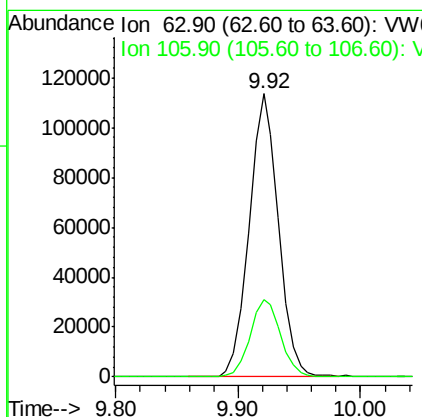
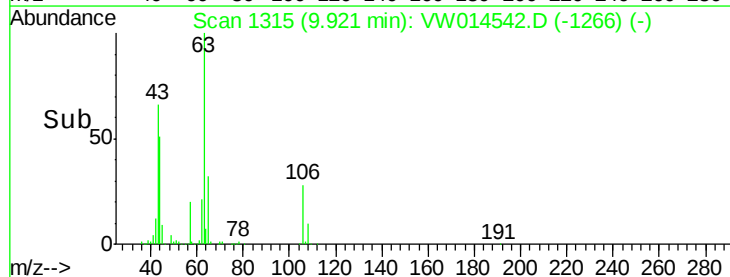
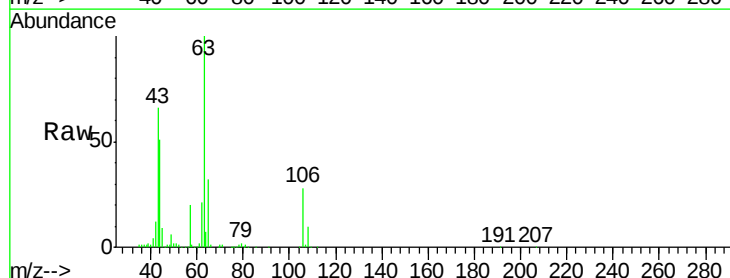
Manual Integrations
 APPROVED

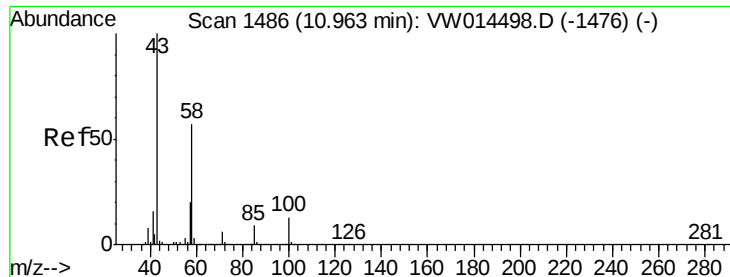
apatel
 1/8/2020 9:13:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.447 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion: 63 Resp: 188663
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.0 34.6





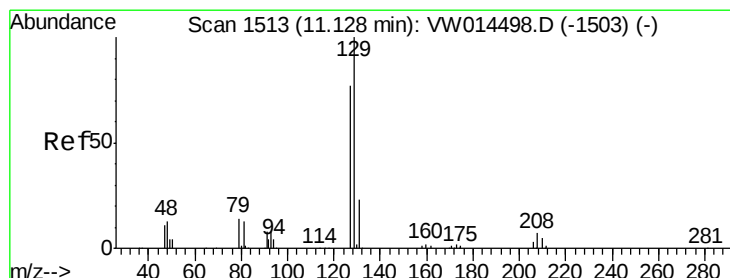
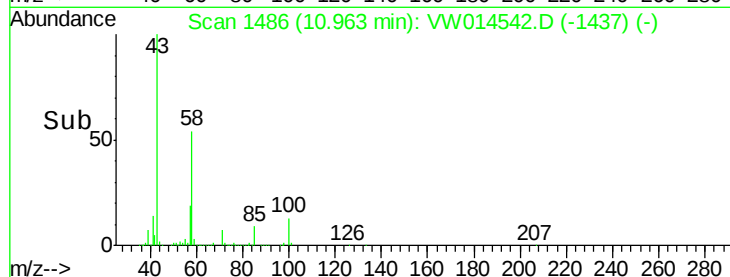
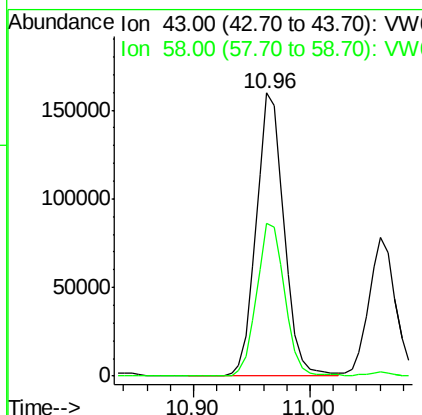
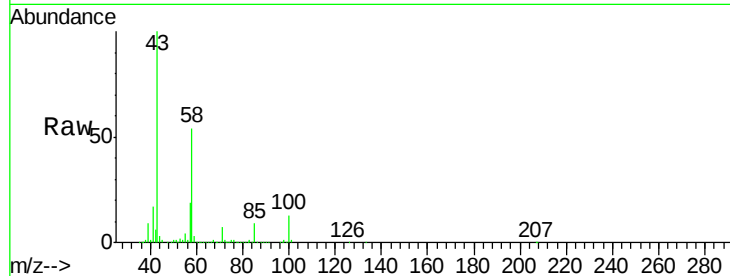
#59
2-Hexanone
Concen: 88.384 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion: 43 Resp: 265791
Ion Ratio Lower Upper
43 100
58 54.8 28.7 86.3

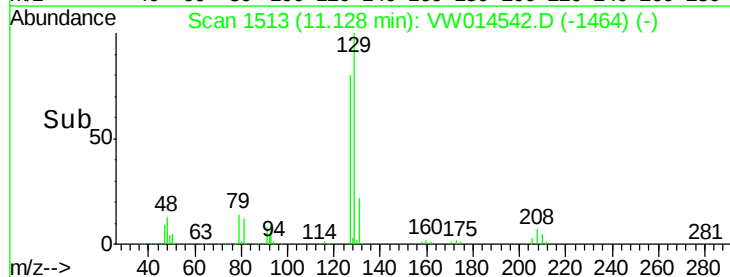
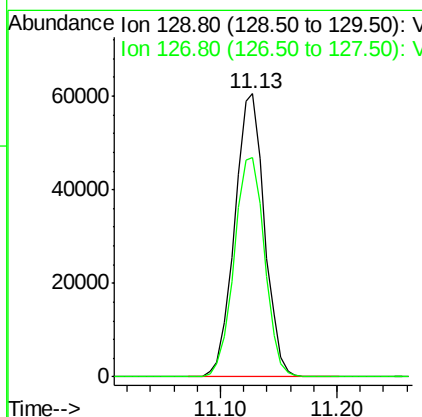
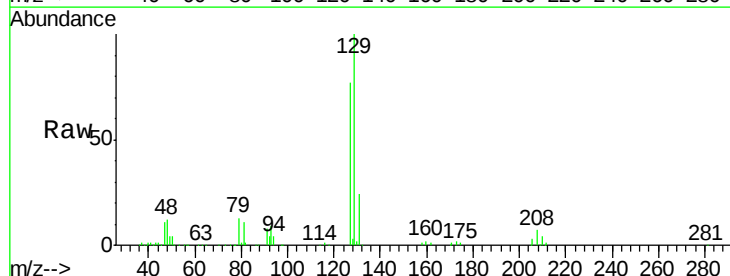
Manual Integrations
APPROVED

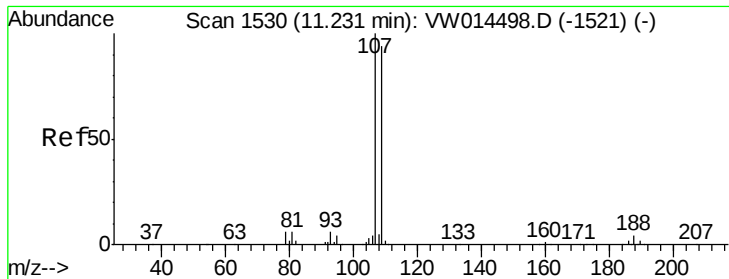
apatel
1/8/2020 9:13:47 AM



#60
Dibromochloromethane
Concen: 18.765 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 129 Resp: 108150
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.5





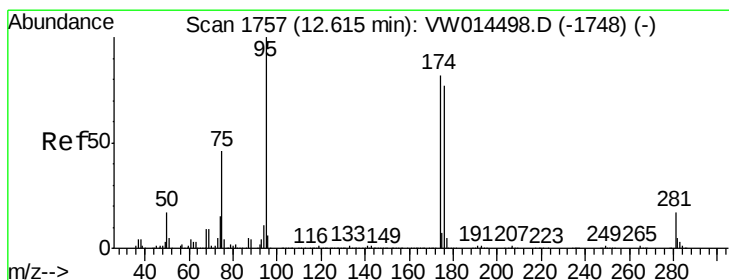
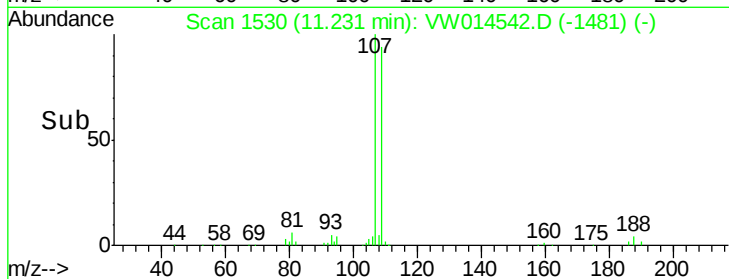
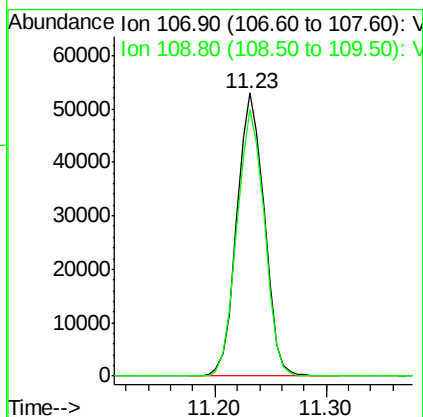
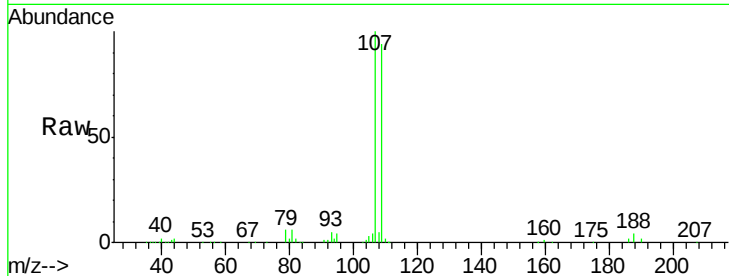
#61
 1,2-Dibromoethane
 Concen: 18.612 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tgt Ion: 107 Resp: 90241
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.1 112.7

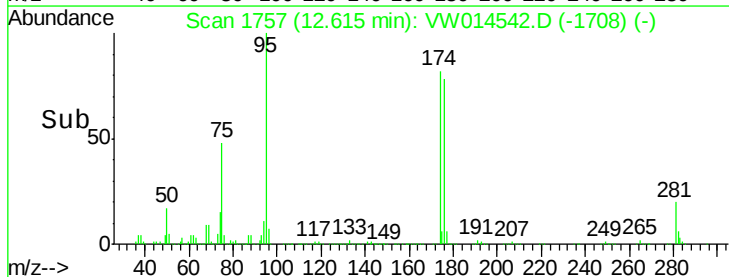
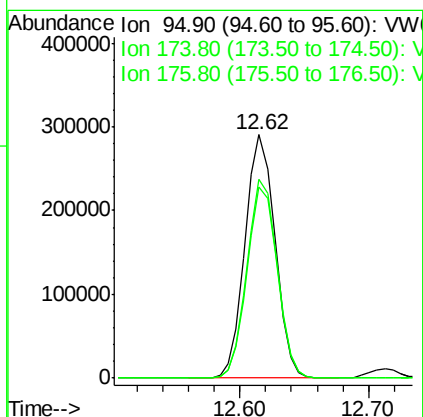
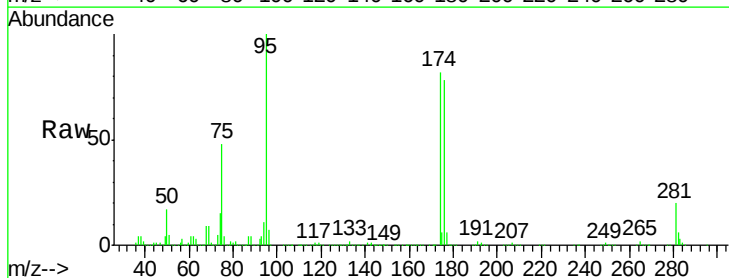
Manual Integrations
 APPROVED

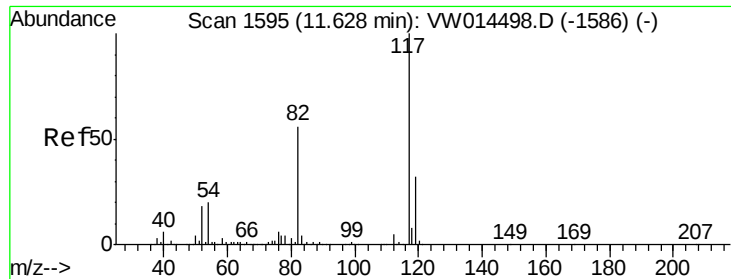
apatel
 1/8/2020 9:13:47 AM



#62
 4-Bromofluorobenzene
 Concen: 54.529 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion: 95 Resp: 466927
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 168.6
 176 79.4 0.0 162.0





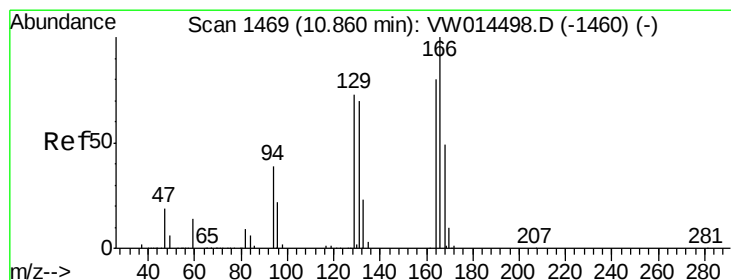
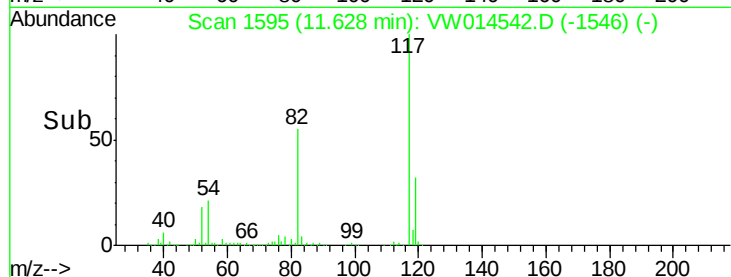
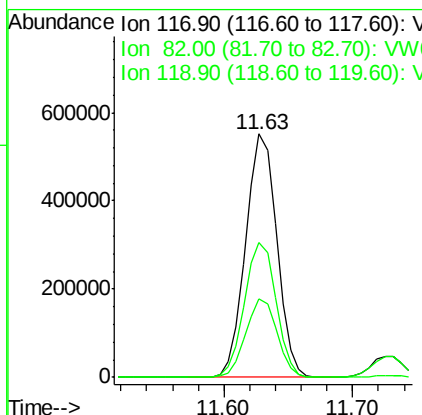
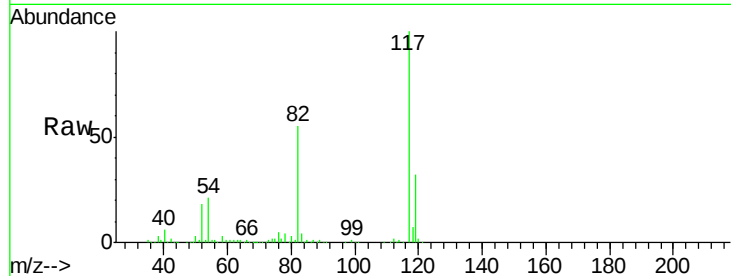
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.4	44.6	67.0
119	32.4	25.7	38.5

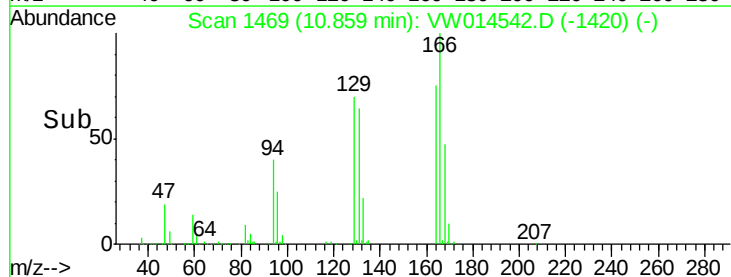
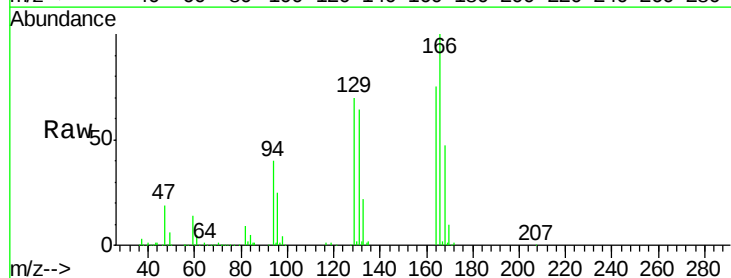
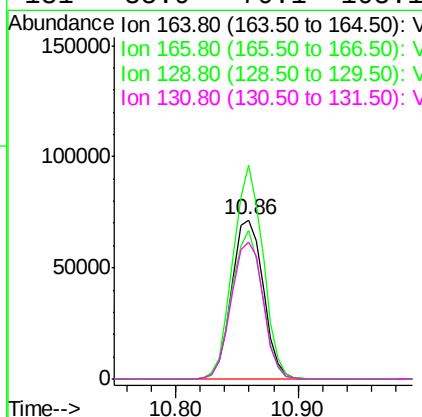
Manual Integrations
APPROVED

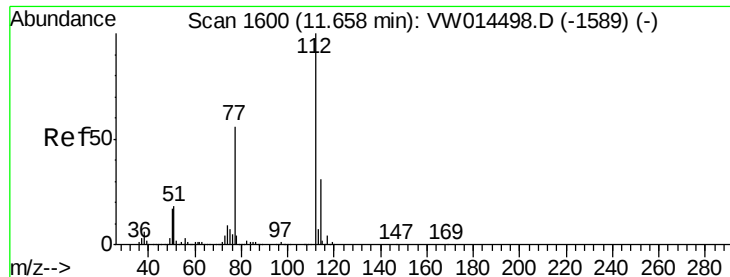
apatel
1/8/2020 9:13:47 AM



#64
Tetrachloroethene
Concen: 19.078 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	134.0	99.8	149.6
129	93.3	72.4	108.6
131	85.9	70.1	105.1





#65

Chlorobenzene

Concen: 19.237 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tgt Ion:112 Resp: 364347

Ion Ratio Lower Upper

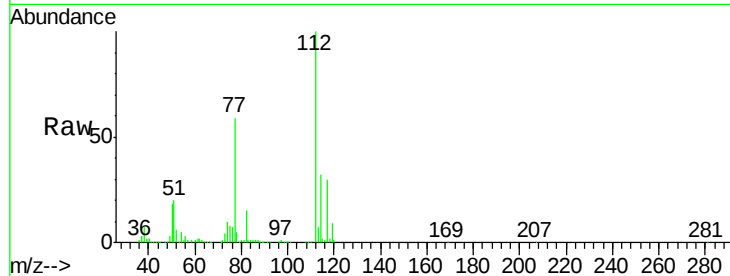
112 100

114 31.6 24.6 37.0

Manual Integrations
APPROVED

apatel

1/8/2020 9:13:47 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

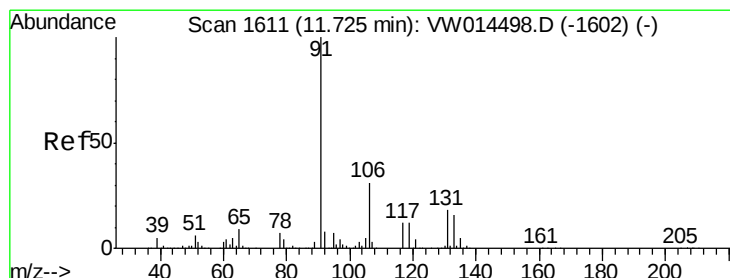
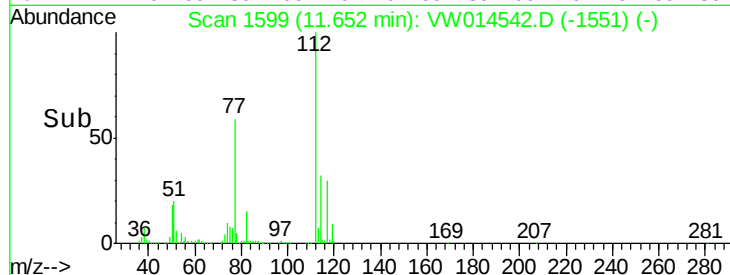
100000

50000

0

11.60 11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.495 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

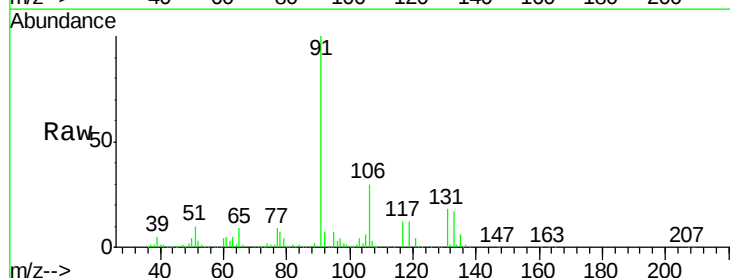
Tgt Ion:131 Resp: 124315

Ion Ratio Lower Upper

131 100

133 93.9 47.3 142.0

119 65.4 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

150000

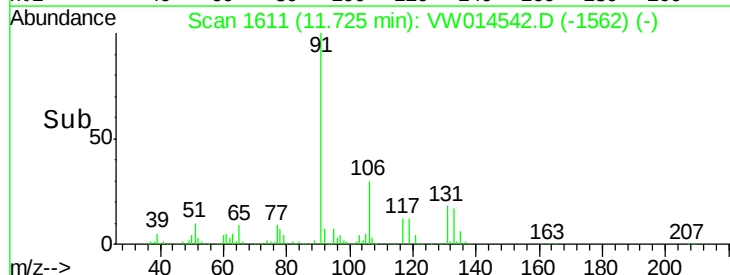
100000

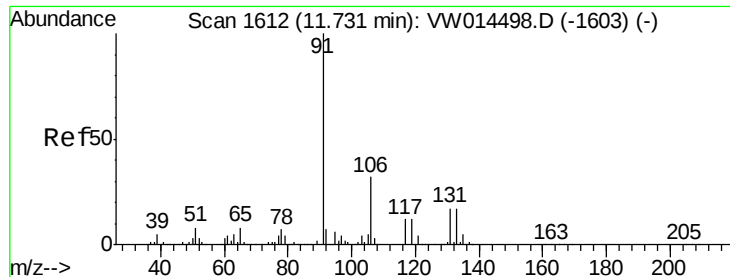
50000

0

11.70 11.80

Time-->





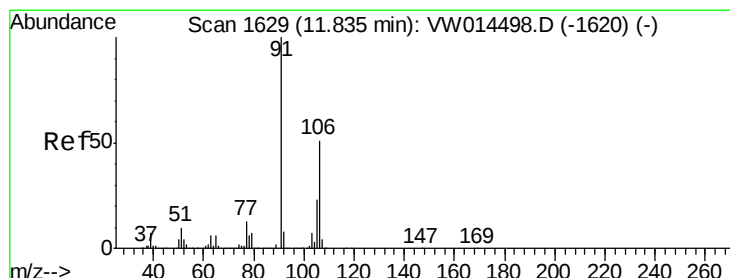
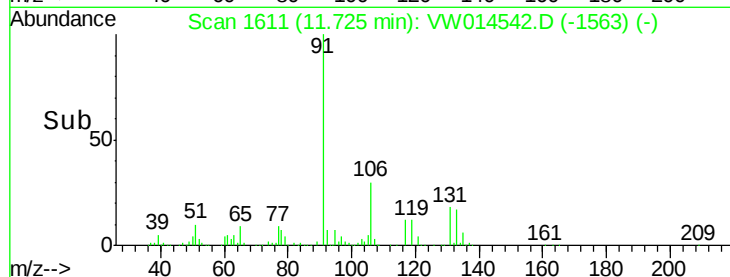
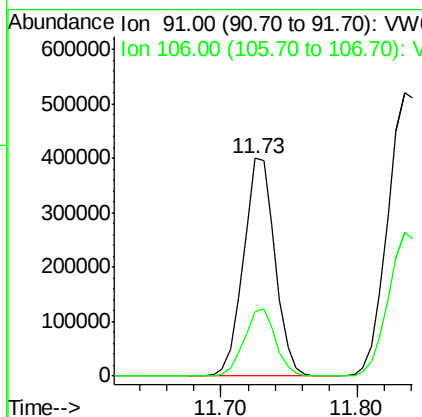
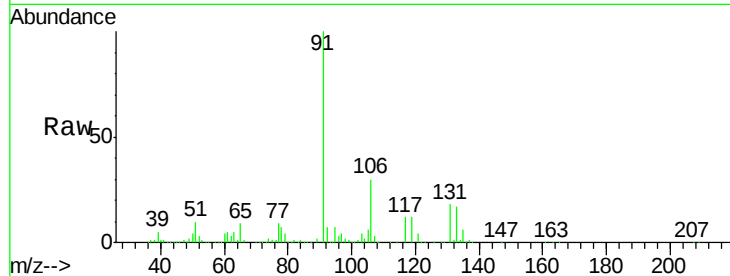
#67
Ethyl Benzene
Concen: 19.002 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tgt Ion: 91 Resp: 648572
Ion Ratio Lower Upper
91 100
106 29.5 25.5 38.3

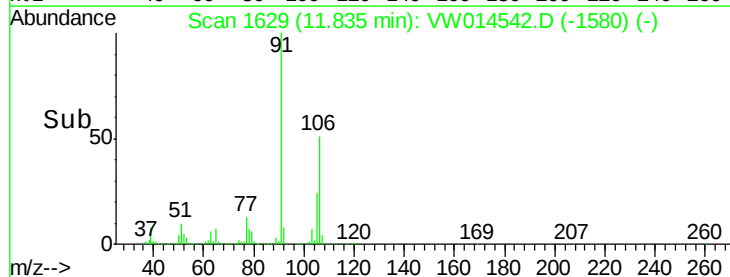
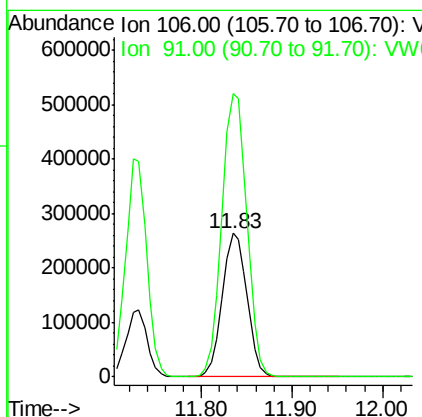
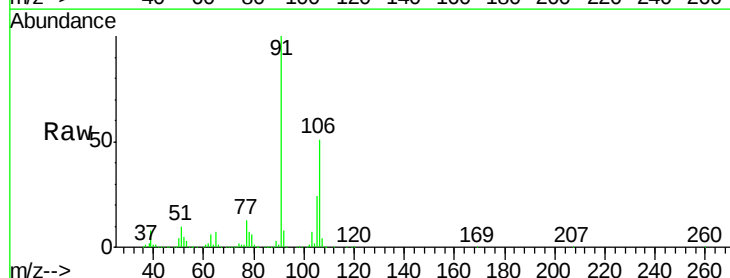
Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#68
m/p-Xylenes
Concen: 38.054 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion: 106 Resp: 497103
Ion Ratio Lower Upper
106 100
91 201.9 159.0 238.6





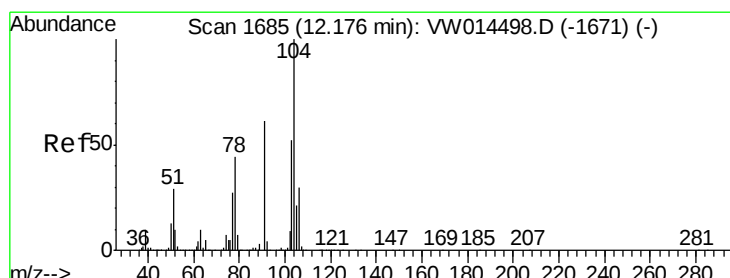
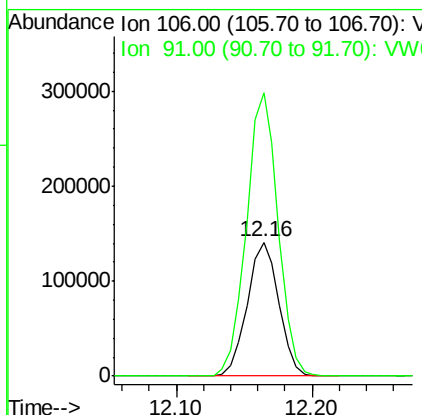
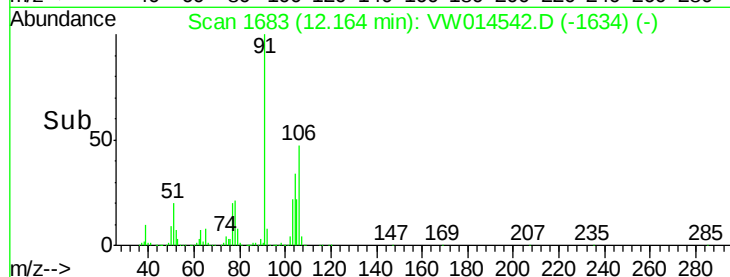
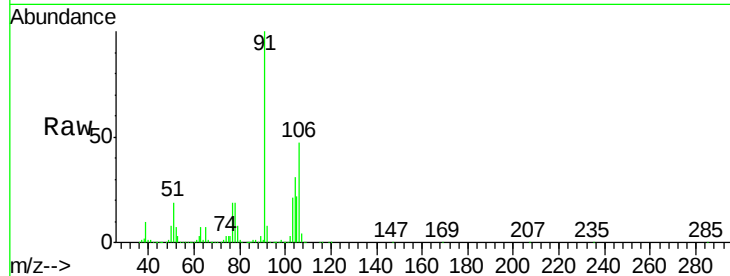
#69
o-Xylene
Concen: 19.038 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion:106 Resp: 229719
Ion Ratio Lower Upper
106 100
91 210.4 105.2 315.6

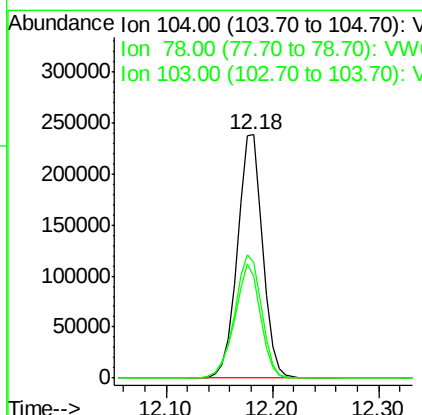
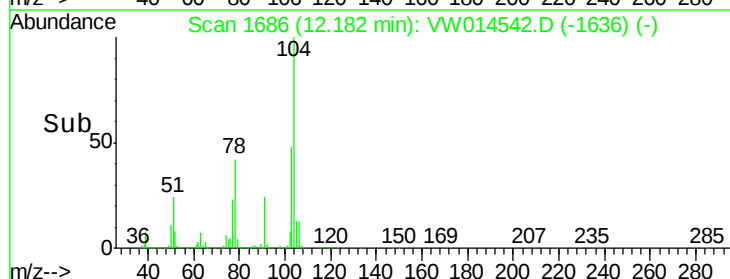
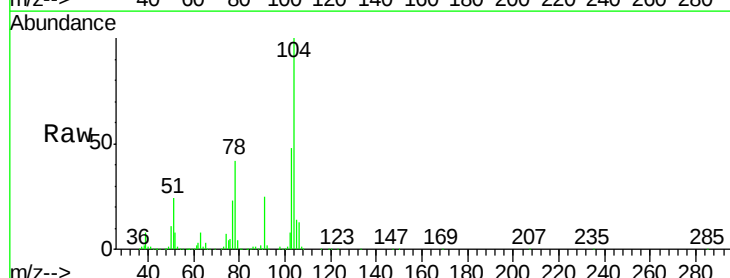
Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#70
Styrene
Concen: 19.429 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion:104 Resp: 396545
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 54.0 43.7 65.5





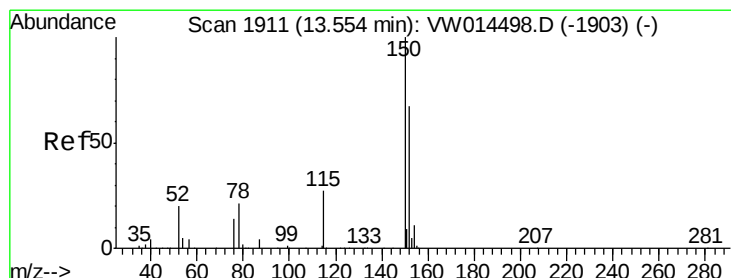
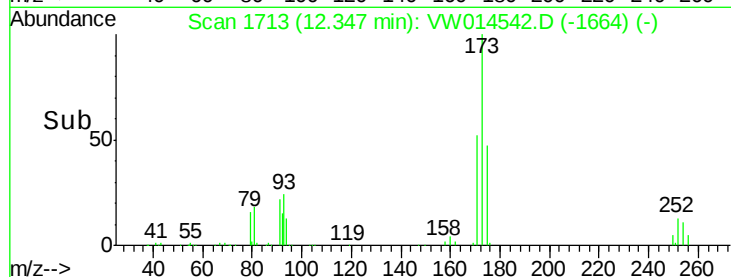
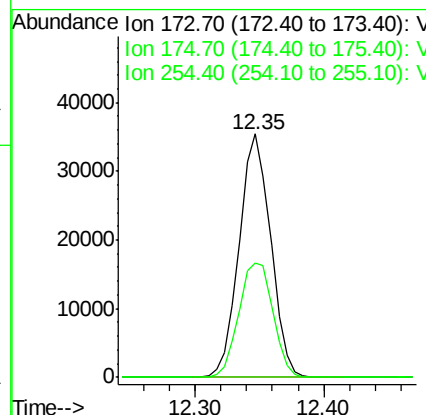
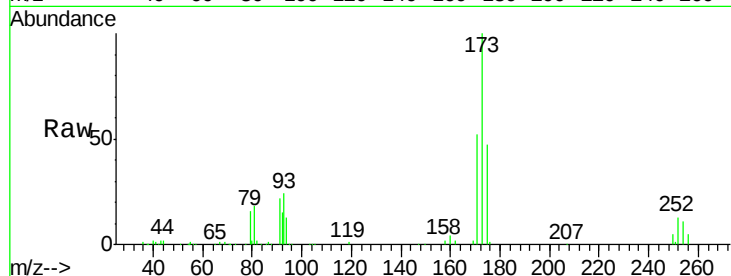
#71
Bromoform
Concen: 17.303 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.5	73.5
254	0.0	0.0	0.0

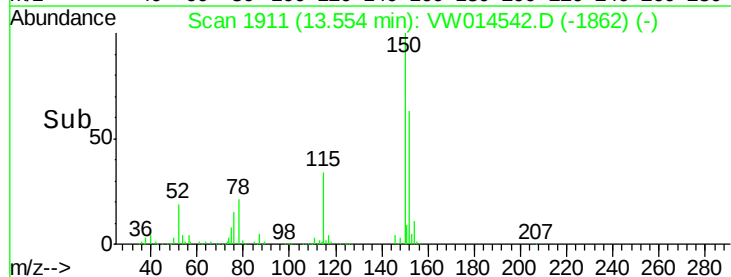
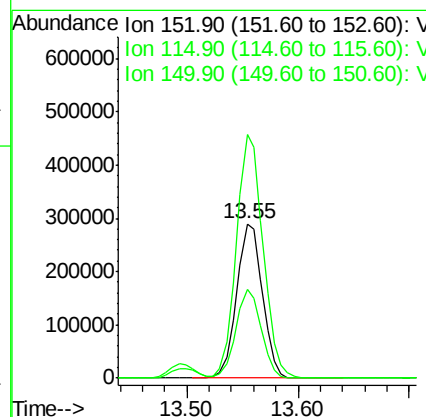
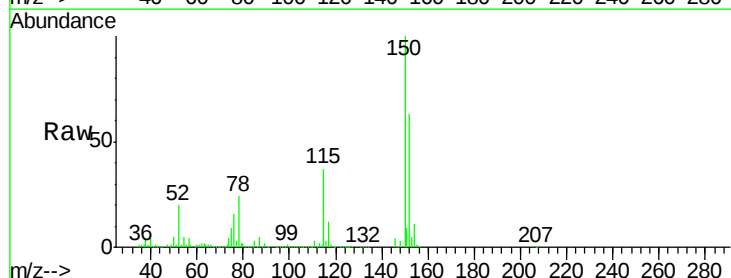
Manual Integrations
APPROVED

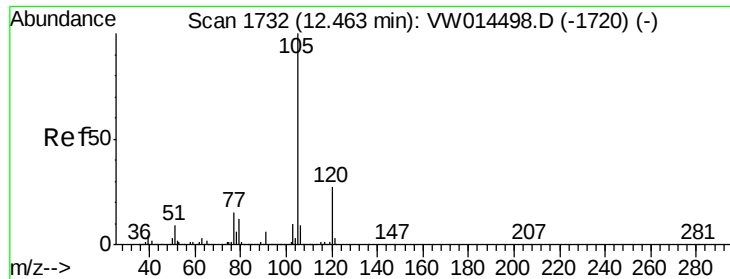
apatel
1/8/2020 9:13:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.7	83.1
150	163.6	0.0	343.4





#73

Isopropylbenzene

Concen: 18.367 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tgt Ion: 105 Resp: 622508

Ion Ratio Lower Upper

105 100

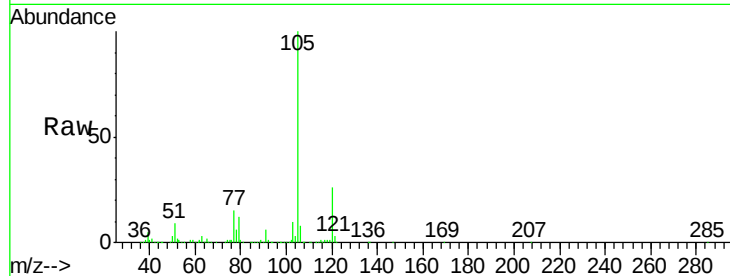
120 26.3 13.4 40.1

Manual Integrations

APPROVED

apatel

1/8/2020 9:13:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

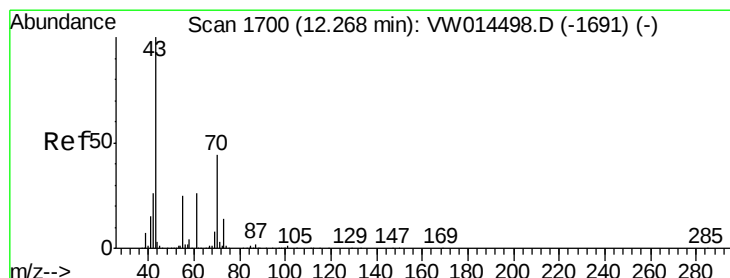
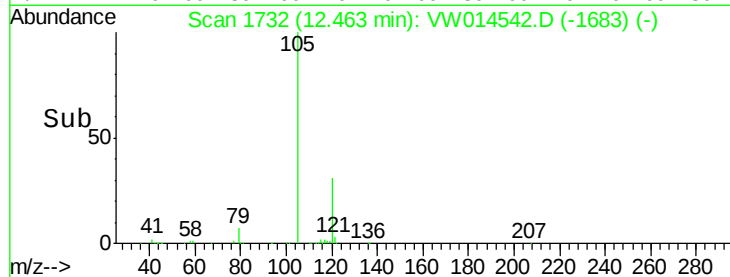
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.673 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion: 43 Resp: 134302

Ion Ratio Lower Upper

43 100

70 43.5 36.5 54.7

55 27.4 20.9 31.3

61 24.6 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

12.27

120000

100000

80000

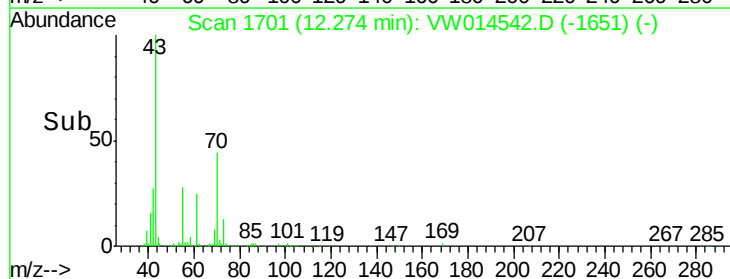
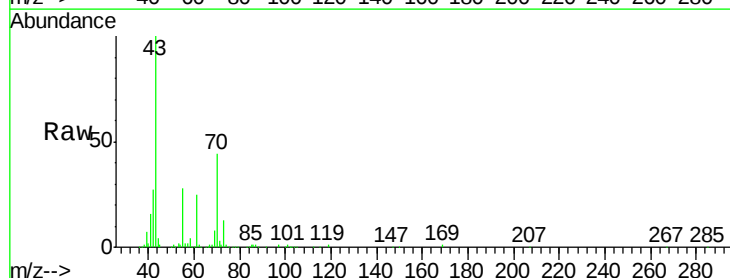
60000

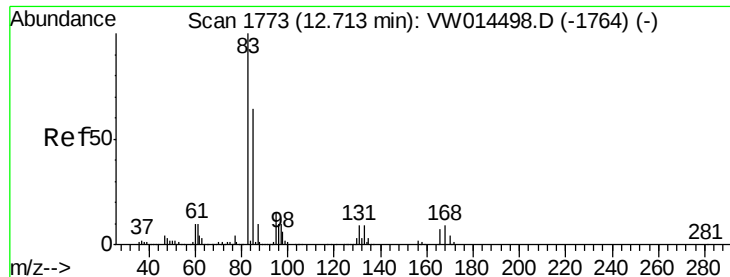
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.119 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tgt Ion: 83 Resp: 110842

Ion Ratio Lower Upper

83 100

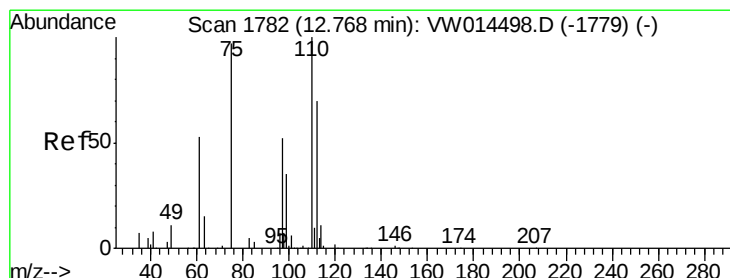
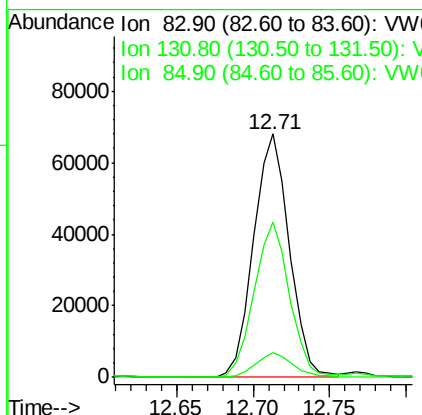
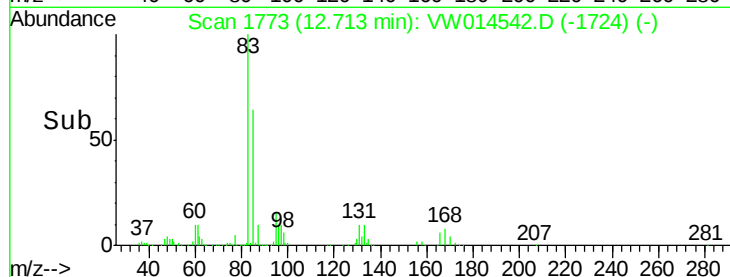
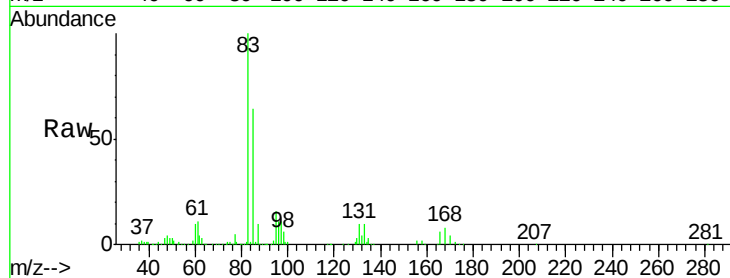
131 10.6 5.1 15.4

85 63.2 31.9 95.7

Manual Integrations
APPROVED

apatel

1/8/2020 9:13:47 AM



#76

1,2,3-Trichloropropane

Concen: 18.800 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014542.D

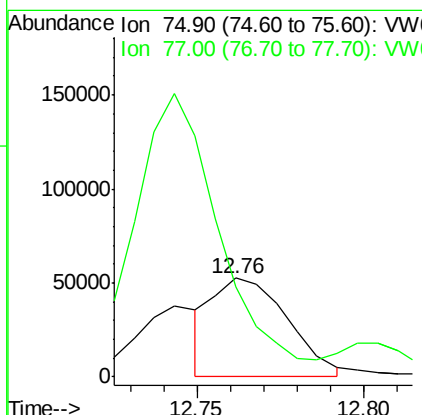
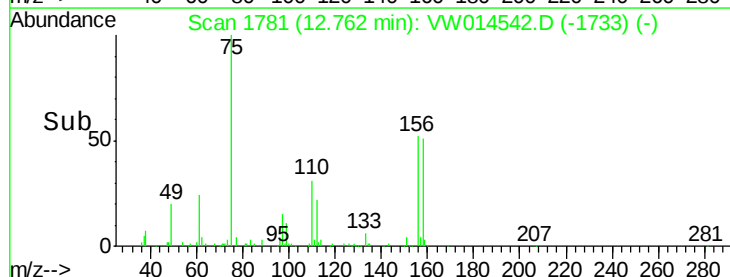
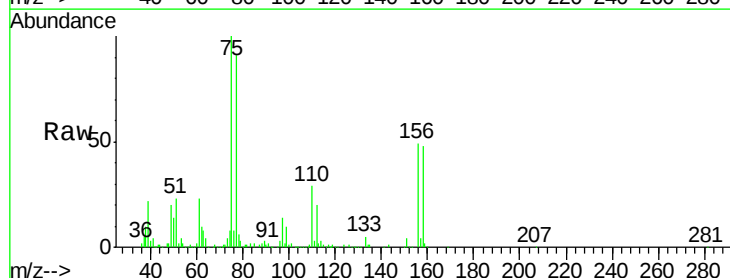
Acq: 07 Jan 2020 12:43

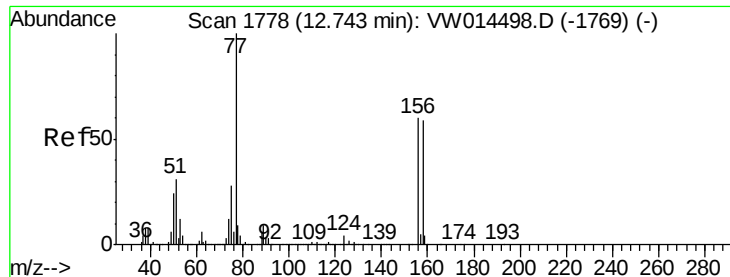
Tgt Ion: 75 Resp: 82104

Ion Ratio Lower Upper

75 100

77 331.1 0.0 0.0#





#77

Bromobenzene

Concen: 18.526 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

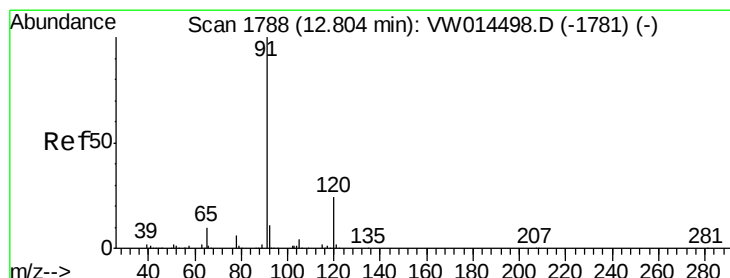
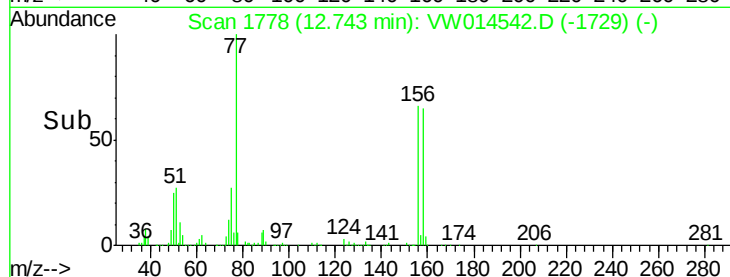
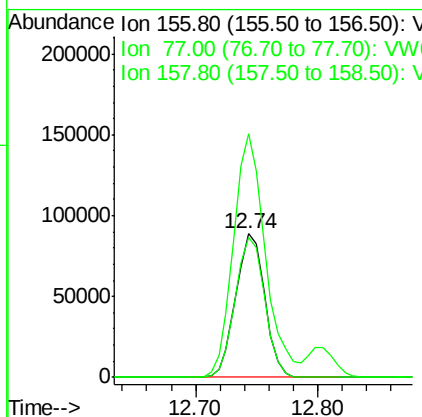
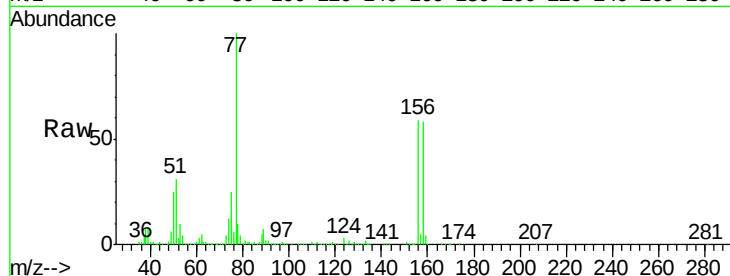
ClientSampled :

VW0107SBS01

Tgt Ion:	156	Resp:	145830
Ion Ratio	Lower	Upper	
156	100		
77	186.4	92.3	277.1
158	98.7	48.6	145.9

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#78

n-propylbenzene

Concen: 18.706 ug/l

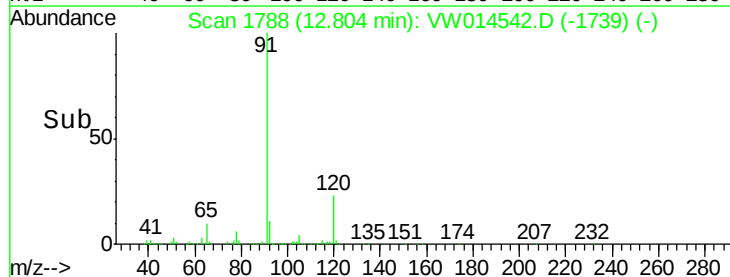
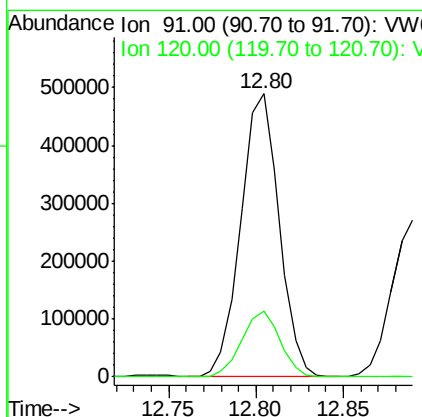
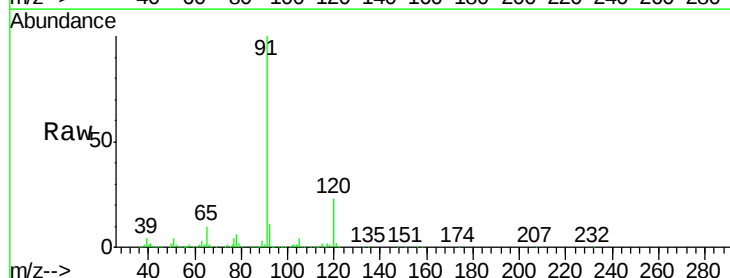
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion:	91	Resp:	745504
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 19.116 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tgt Ion: 91 Resp: 433533

Ion Ratio Lower Upper

91 100

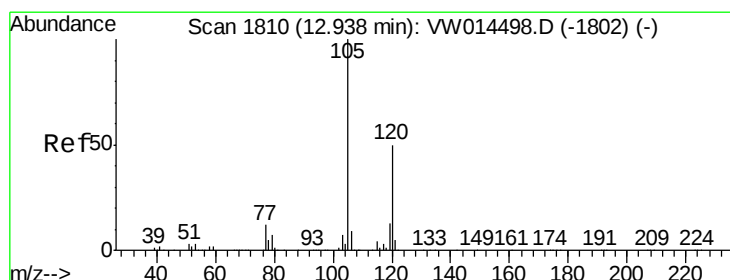
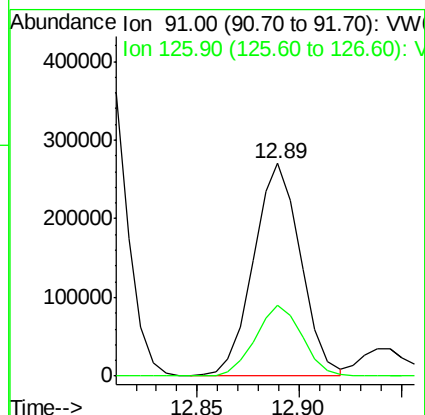
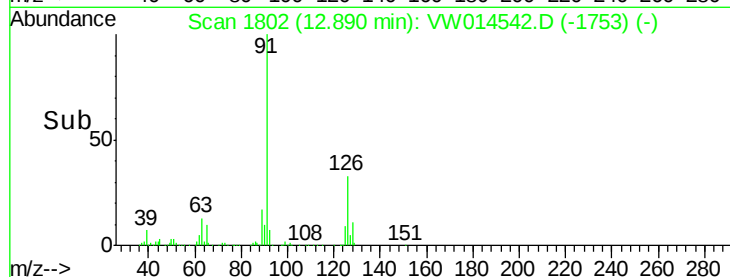
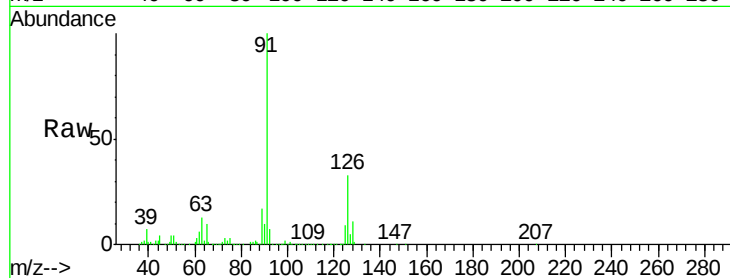
126 33.3 17.1 51.2

Manual Integrations

APPROVED

apatel

1/8/2020 9:13:47 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.996 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014542.D

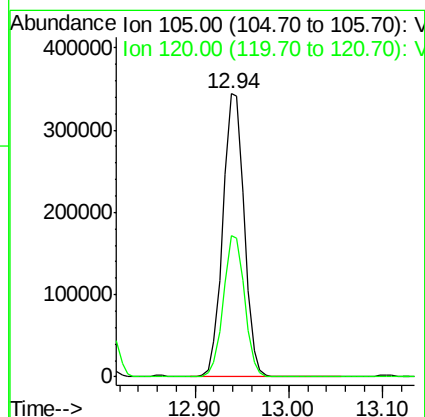
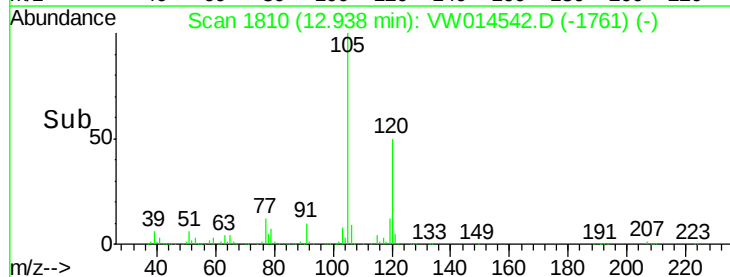
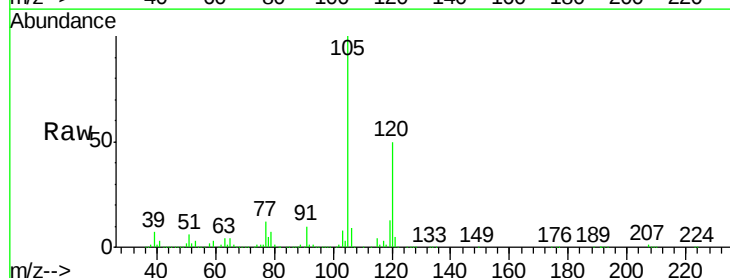
Acq: 07 Jan 2020 12:43

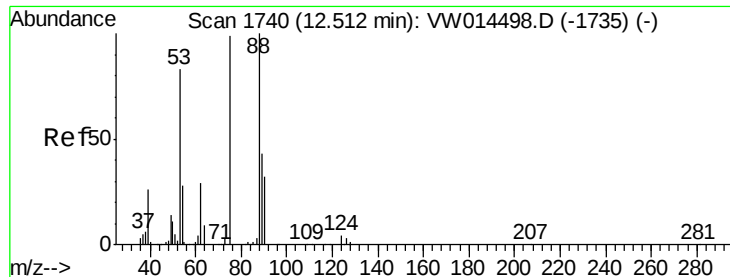
Tgt Ion: 105 Resp: 540557

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





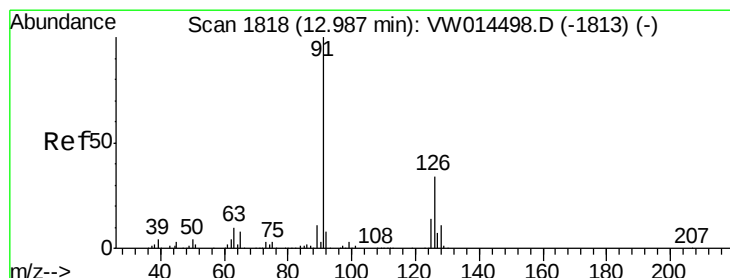
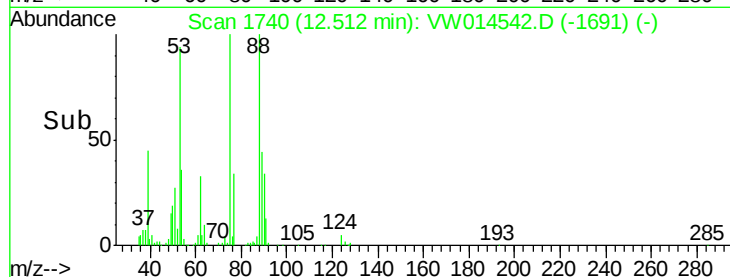
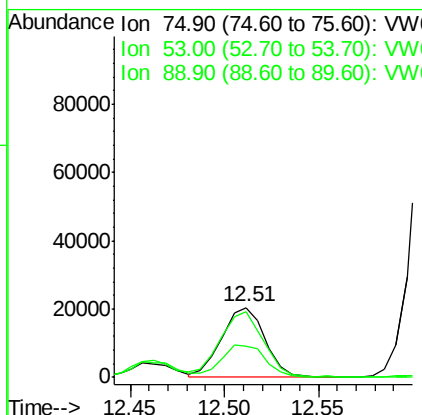
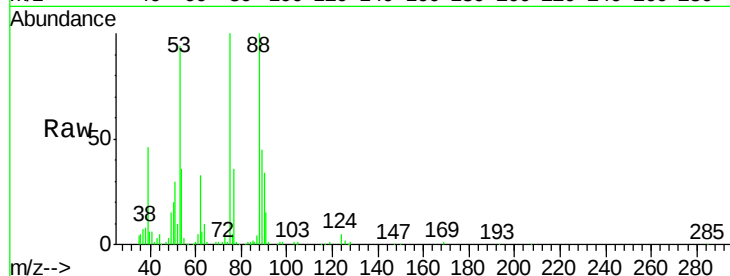
#81
trans-1,4-Dichloro-2-butene
Concen: 16.348 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.9	70.9	106.3
89	47.0	35.8	53.8

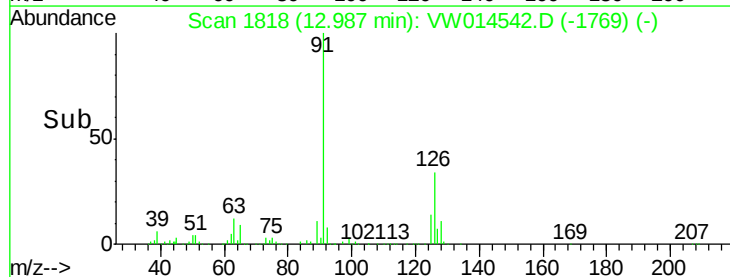
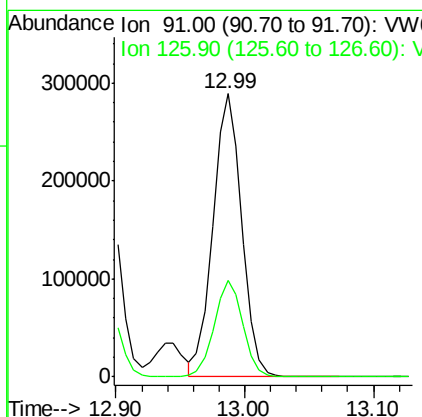
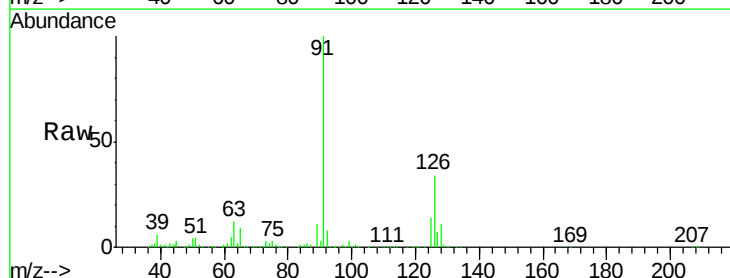
Manual Integrations
APPROVED

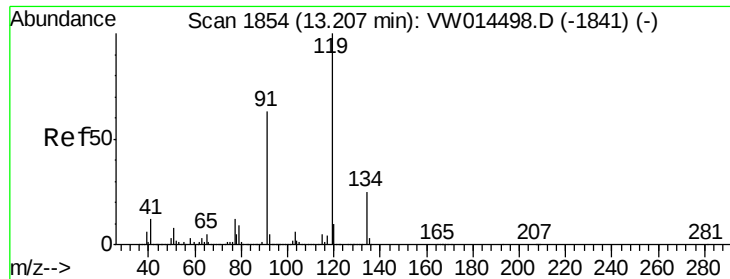
apatel
1/8/2020 9:13:47 AM



#82
4-Chlorotoluene
Concen: 19.175 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.1	51.2





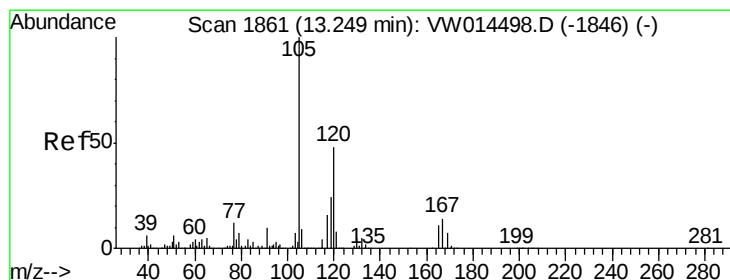
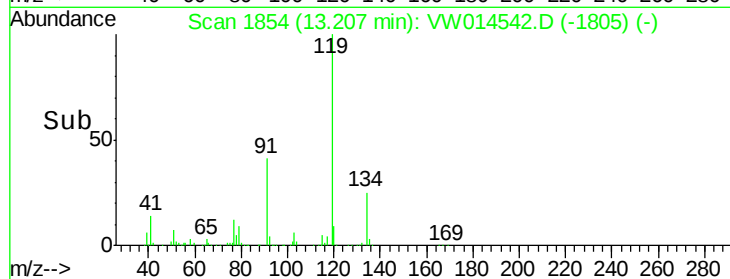
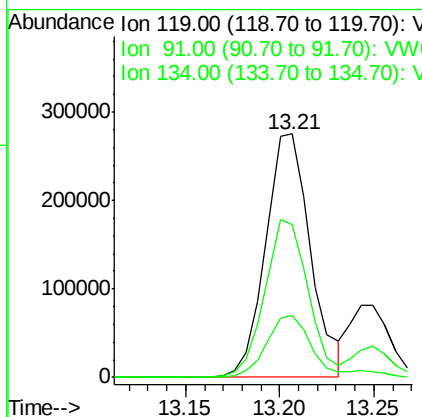
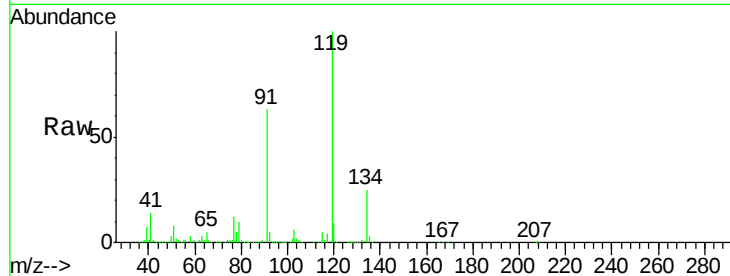
#83
 tert-Butylbenzene
 Concen: 18.317 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	456374		
91	62.6	31.1	93.3	
134	26.7	13.5	40.5	

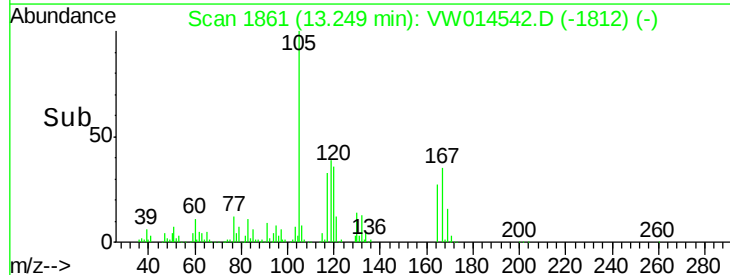
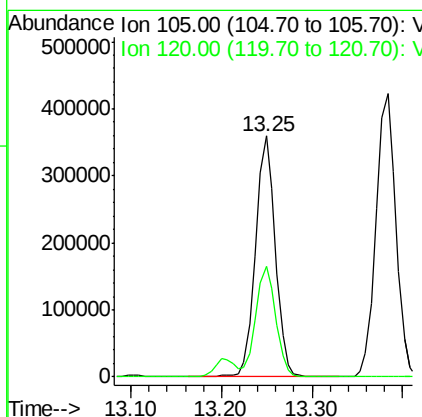
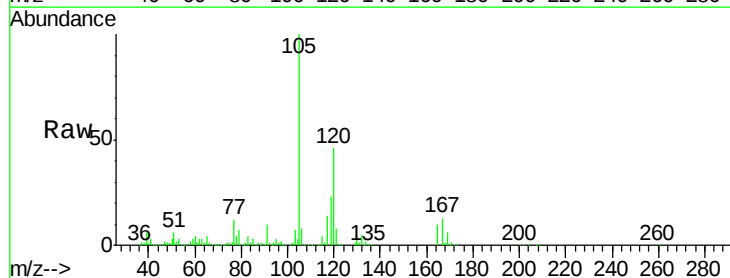
Manual Integrations
 APPROVED

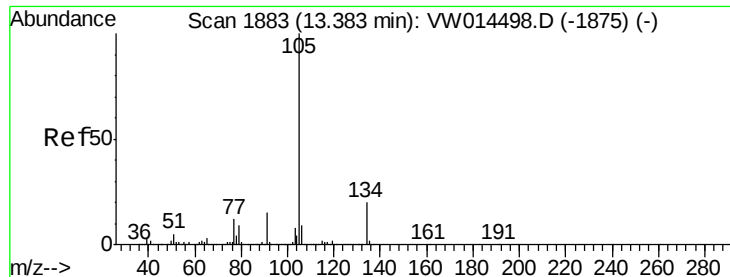
apatel
 1/8/2020 9:13:47 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.181 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	543171		
120	46.7	23.4	70.0	





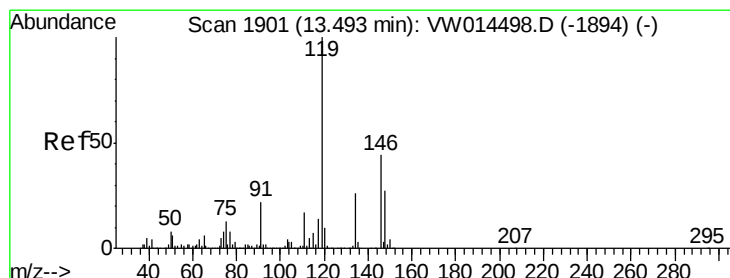
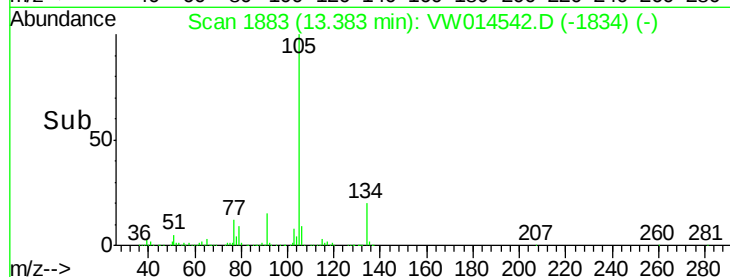
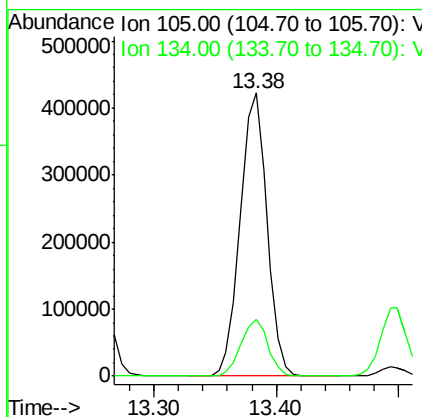
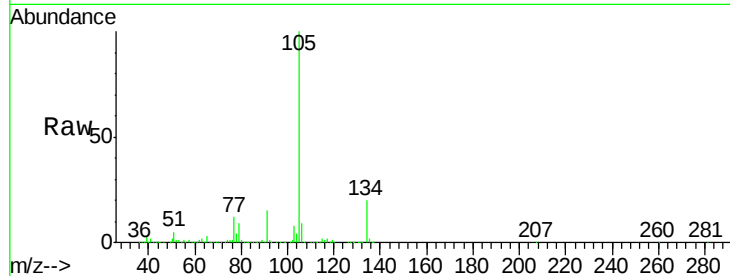
#85
 sec-Butylbenzene
 Concen: 18.571 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	640432		
134	20.1	10.2	30.6	

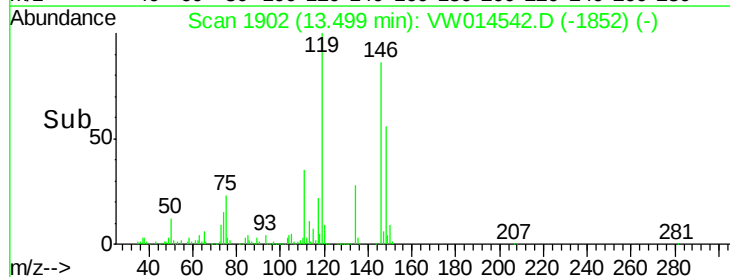
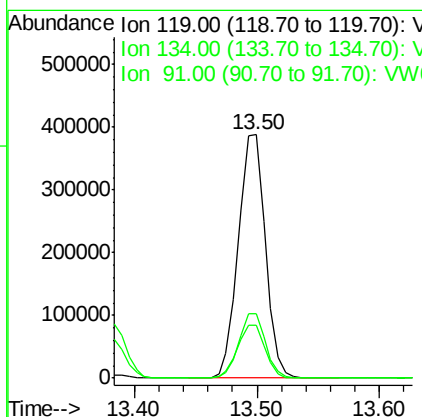
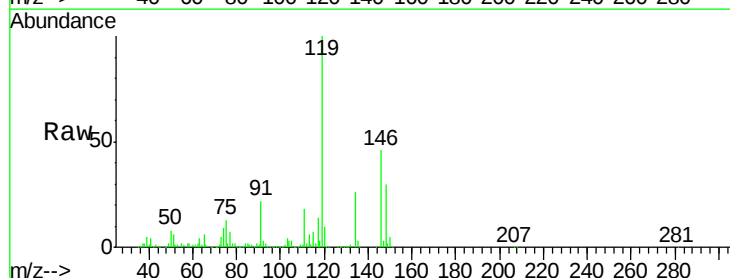
Manual Integrations
 APPROVED

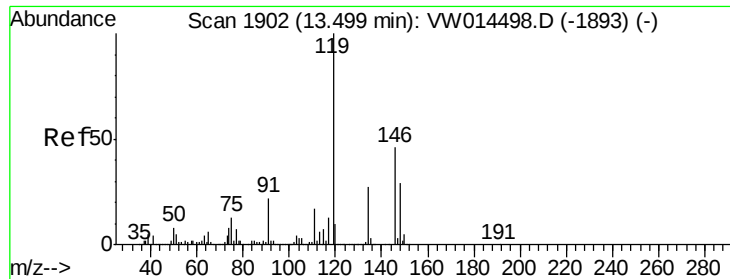
apatel
 1/8/2020 9:13:47 AM



#86
 p-Isopropyltoluene
 Concen: 18.869 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	593133		
134	26.1	13.2	39.5	
91	22.1	11.1	33.3	





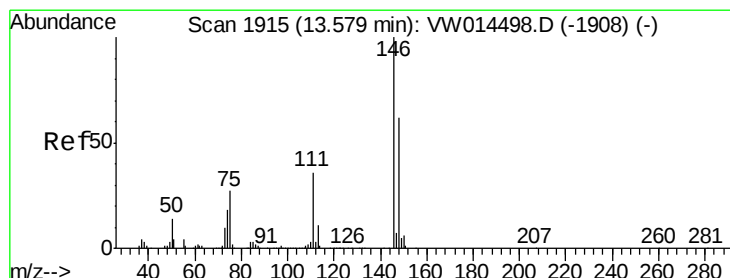
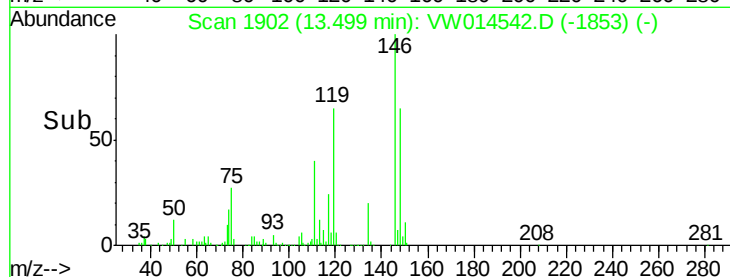
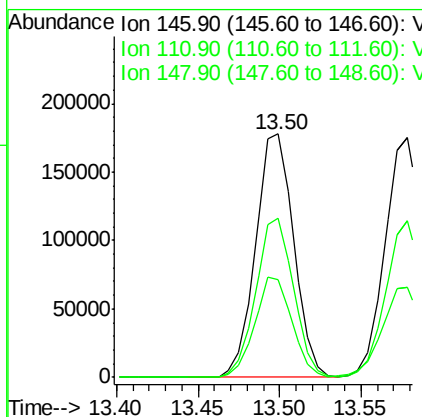
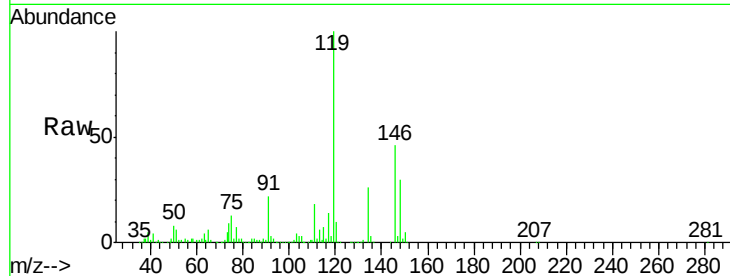
#87
 1,3-Dichlorobenzene
 Concen: 18.948 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	290038		
111	40.1	19.3	57.9	
148	64.6	31.8	95.4	

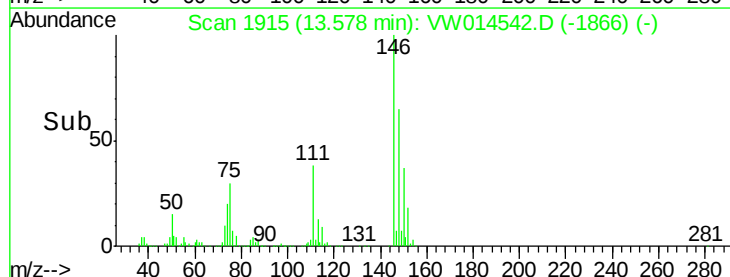
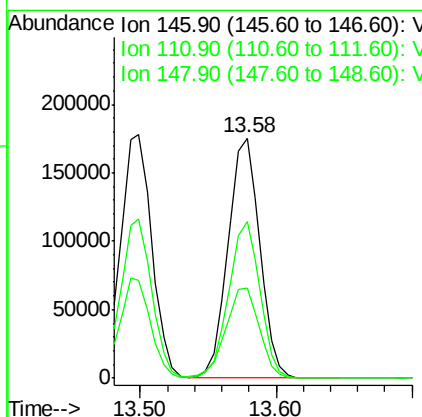
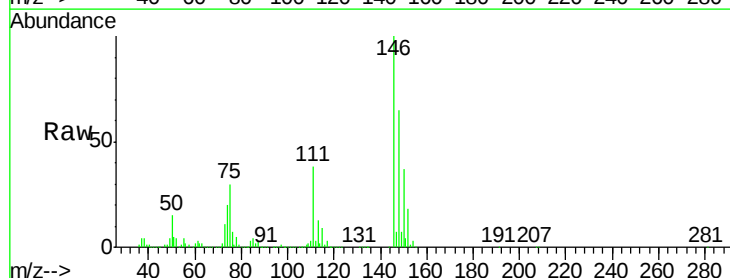
Manual Integrations
 APPROVED

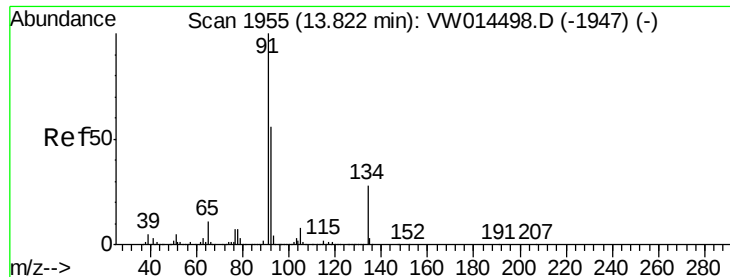
apatel
 1/8/2020 9:13:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.752 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	283368		
111	40.0	18.7	56.1	
148	64.6	31.7	95.1	





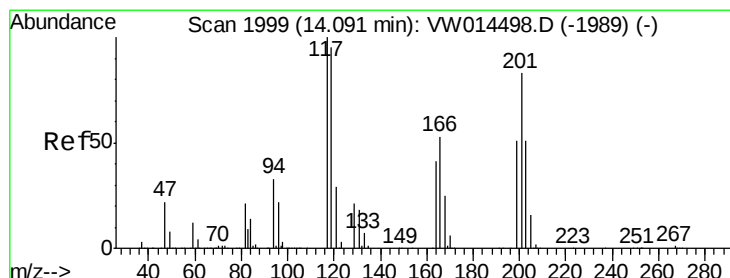
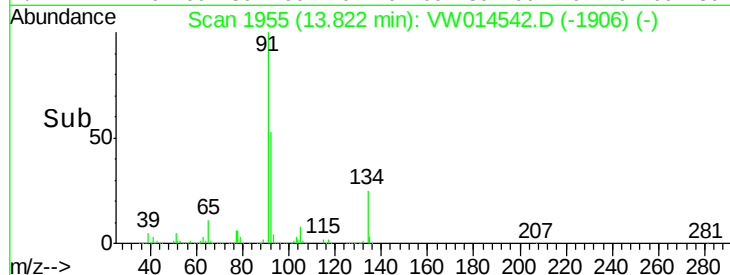
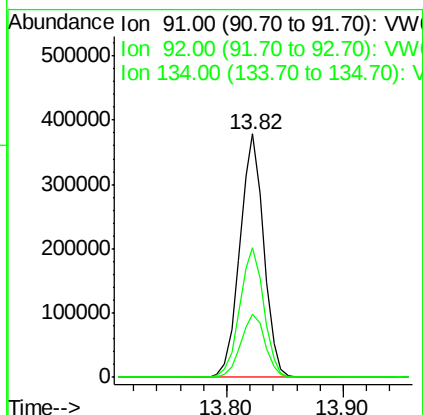
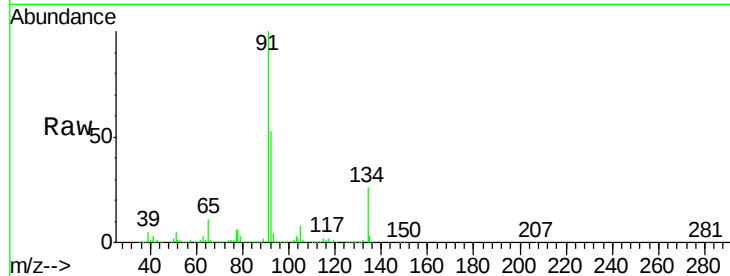
#89
n-Butylbenzene
Concen: 18.502 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.5	82.5
134	26.5	13.7	41.1

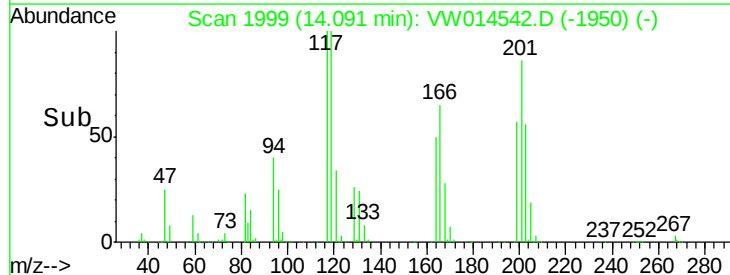
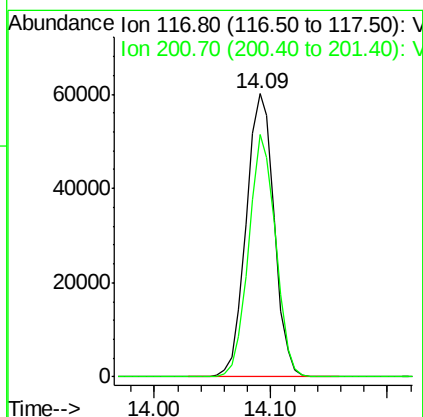
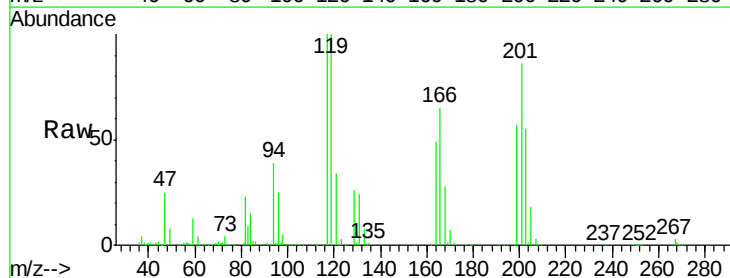
Manual Integrations
APPROVED

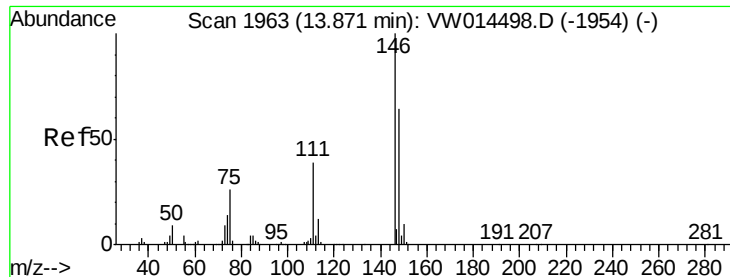
apatel
1/8/2020 9:13:47 AM



#90
Hexachloroethane
Concen: 18.339 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	43.0	128.8





#91

1,2-Dichlorobenzene

Concen: 19.157 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Instrument :

MSVOA_W

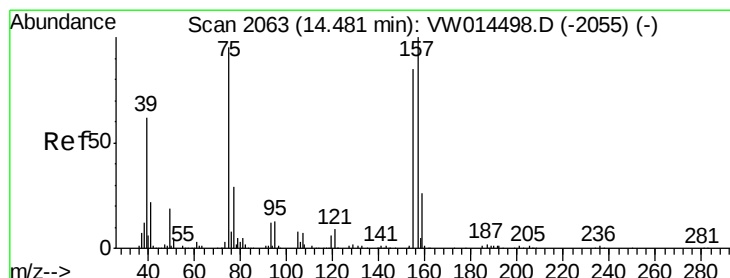
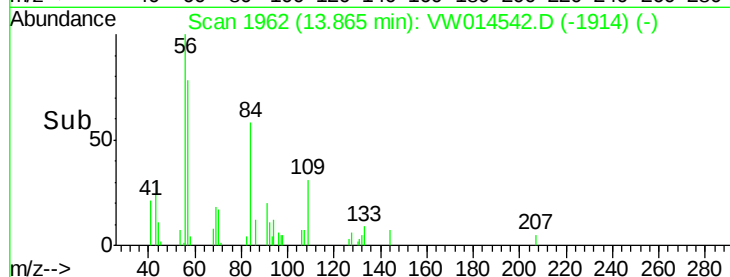
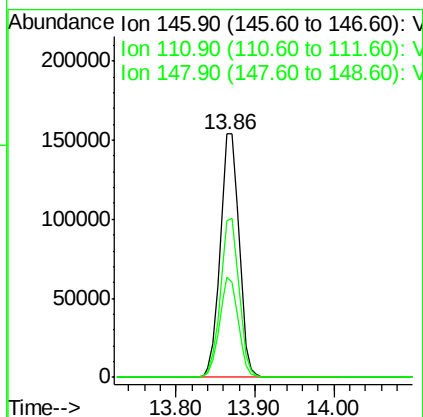
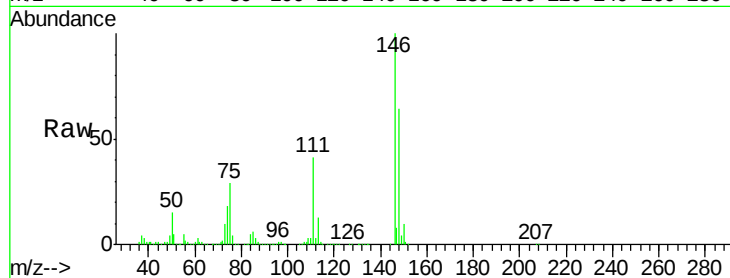
ClientSampleId :

VW0107SBS01

Tgt Ion:	146	Resp:	257729
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.4	61.3
148	64.1	32.3	96.8

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.852 ug/l

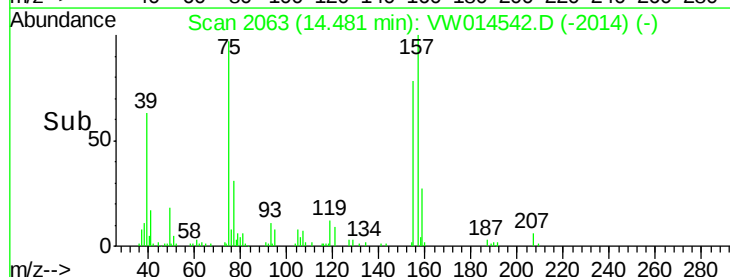
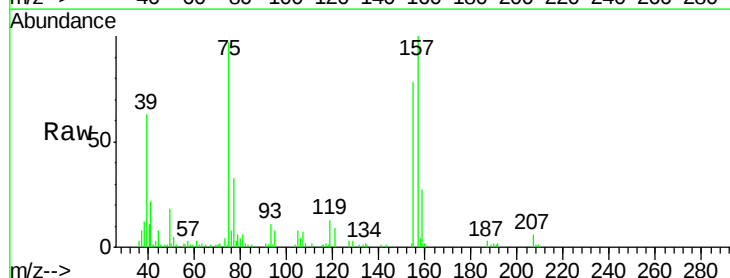
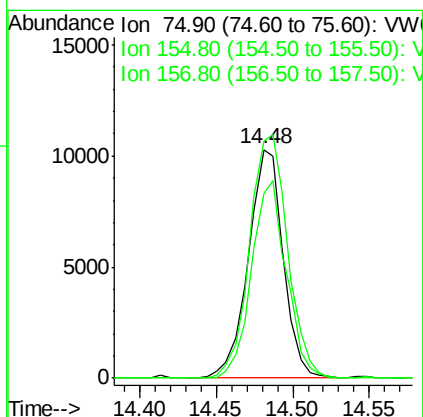
RT: 14.48 min Scan# 2063

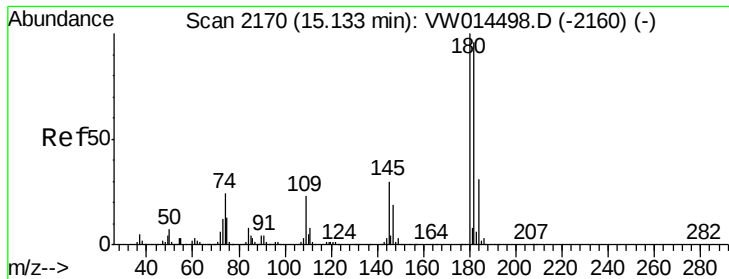
Delta R.T. -0.00 min

Lab File: VW014542.D

Acq: 07 Jan 2020 12:43

Tgt Ion:	75	Resp:	16325
Ion Ratio	Lower	Upper	
75	100		
155	85.9	45.8	137.4
157	115.5	58.1	174.2





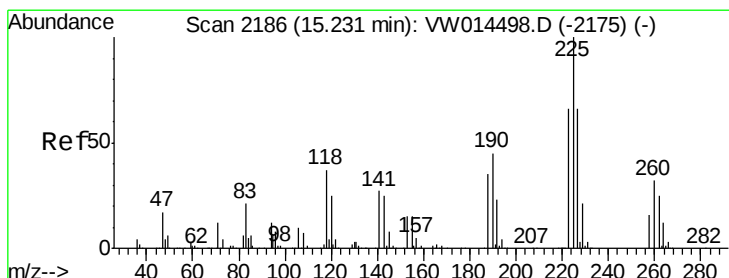
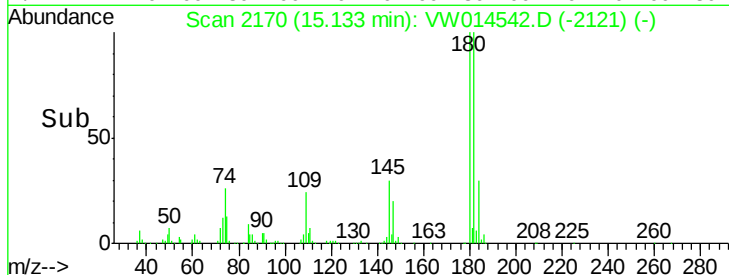
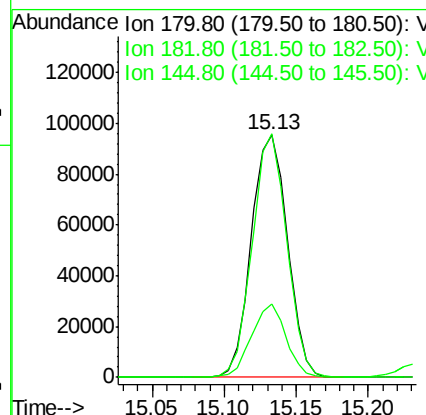
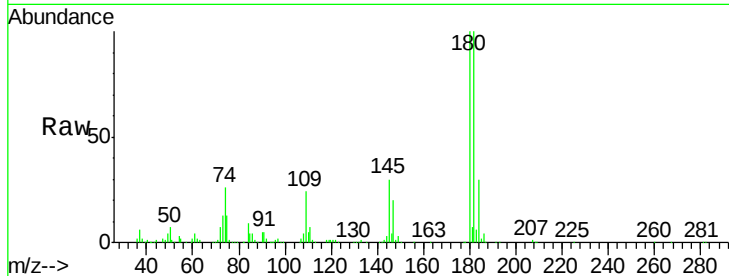
#93
 1,2,4-Trichlorobenzene
 Concen: 18.167 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	165049		
182	96.0	47.3	141.8	
145	28.9	14.7	44.1	

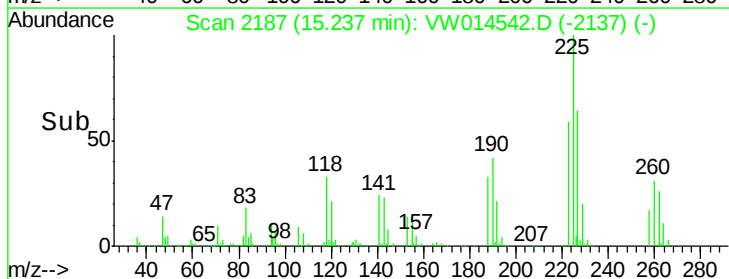
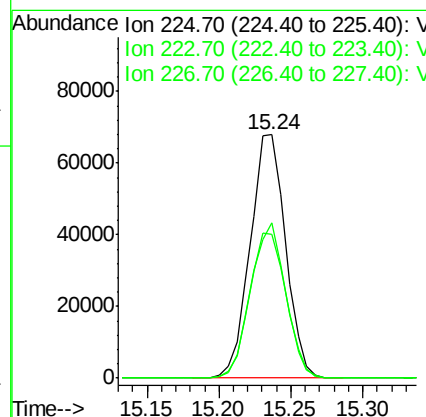
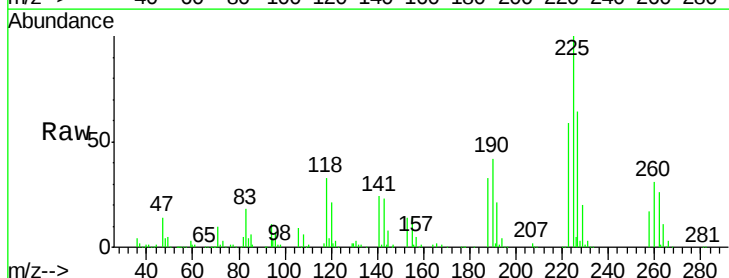
Manual Integrations
 APPROVED

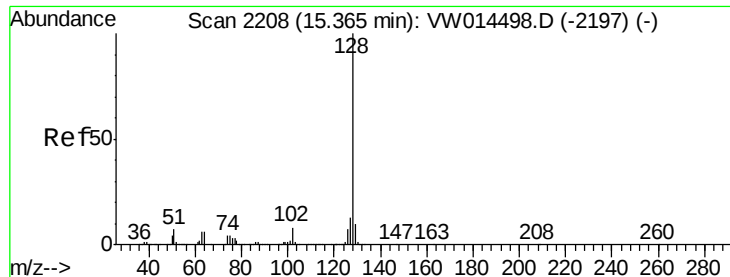
apatel
 1/8/2020 9:13:47 AM



#94
 Hexachlorobutadiene
 Concen: 18.950 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014542.D
 Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115375		
223	61.8	32.4	97.2	
227	62.8	32.6	97.8	





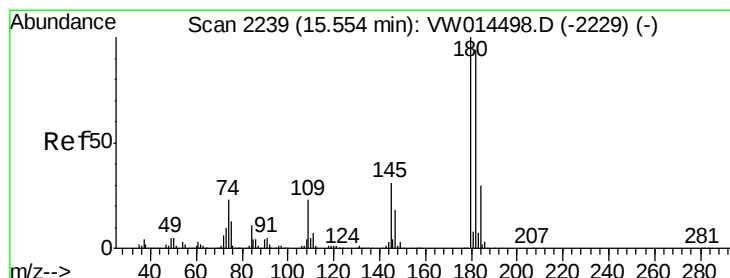
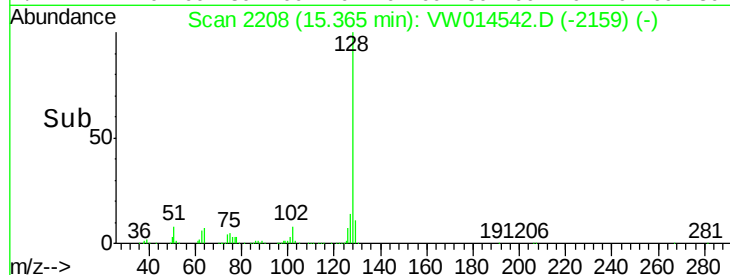
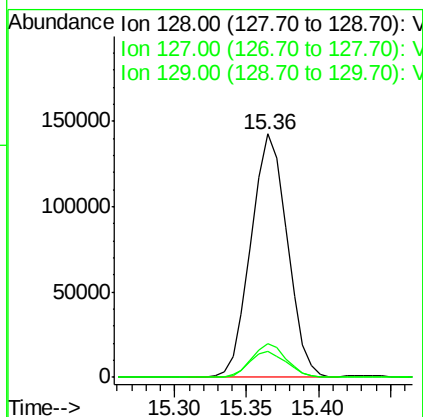
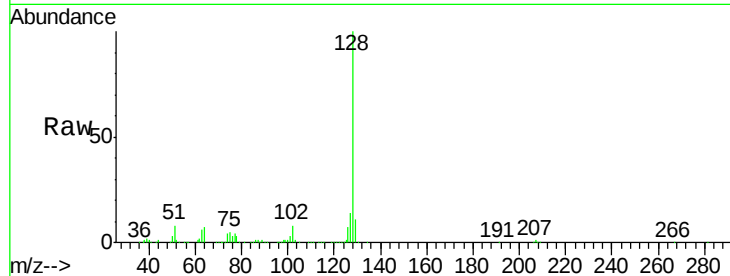
#95
Naphthalene
Concen: 16.092 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
1/8/2020 9:13:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.377 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014542.D
Acq: 07 Jan 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.4	142.2
145	31.2	15.5	46.5

