

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014538.D
 Acq On : 06 Jan 2020 21:36
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/7/2020 2:03:07 PM

Quant Time: Jan 07 12:03:18 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	862281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1309951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1133169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	550195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	378472	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.88	113	377775	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.32	98	1552007	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.62	95	511665	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	223352	45.876	ug/l	98
3) Chloromethane	2.21	50	265529	44.557	ug/l	100
4) Vinyl Chloride	2.36	62	434958	49.624	ug/l	98
5) Bromomethane	2.78	94	273910	50.587	ug/l	100
6) Chloroethane	2.92	64	258501	51.737	ug/l	100
7) Trichlorofluoromethane	3.25	101	189882	43.298	ug/l	100
8) Diethyl Ether	3.68	74	226608	51.933	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	405615	49.501	ug/l	100
10) Methyl Iodide	4.27	142	634721	51.338	ug/l	99
11) Tert butyl alcohol	5.16	59	140828	241.489	ug/l	99
12) 1,1-Dichloroethene	4.04	96	427885	49.864	ug/l	99
13) Acrolein	3.89	56	193038	293.365	ug/l	97
14) Allyl chloride	4.66	41	671980	51.245	ug/l	99
15) Acrylonitrile	5.35	53	516027	258.724	ug/l	99
16) Acetone	4.12	43	408519	191.903	ug/l	100
17) Carbon Disulfide	4.39	76	1274271	49.270	ug/l	99
18) Methyl Acetate	4.67	43	271264	52.762	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	589772	55.368	ug/l	100
20) Methylene Chloride	4.91	84	466266	54.565	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	460432	50.533	ug/l	99
22) Diisopropyl ether	6.31	45	1311778	53.445	ug/l	99
23) Vinyl Acetate	6.25	43	3865445	260.803	ug/l	100
24) 1,1-Dichloroethane	6.21	63	796281	51.432	ug/l	99
25) 2-Butanone	7.17	43	642497	235.182	ug/l	100
26) 2,2-Dichloropropane	7.16	77	380720	44.416	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	490684	51.252	ug/l	99
28) Bromochloromethane	7.51	49	331454	54.607	ug/l	100
29) Tetrahydrofuran	7.52	42	425457	251.387	ug/l	99
30) Chloroform	7.67	83	744966	51.455	ug/l	100
31) Cyclohexane	7.95	56	762991	47.421	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	584867	50.229	ug/l	100
36) 1,1-Dichloropropene	8.08	75	622532	49.296	ug/l	100
37) Ethyl Acetate	7.25	43	286872	50.087	ug/l	99
38) Carbon Tetrachloride	8.07	117	524798	47.901	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014538.D
 Acq On : 06 Jan 2020 21:36
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/7/2020 2:03:07 PM

Quant Time: Jan 07 12:03:18 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	794228	49.007	ug/l	97
40) Benzene	8.32	78	1809275	50.637	ug/l	100
41) Methacrylonitrile	7.48	41	159918	50.089	ug/l	99
42) 1,2-Dichloroethane	8.40	62	469327	50.616	ug/l	99
43) Isopropyl Acetate	8.42	43	540549	51.974	ug/l	100
44) Trichloroethene	9.09	130	481330	49.784	ug/l	97
45) 1,2-Dichloropropane	9.37	63	451144	51.454	ug/l	96
46) Dibromomethane	9.46	93	216837	50.096	ug/l	99
47) Bromodichloromethane	9.64	83	551290	51.588	ug/l	98
48) Methyl methacrylate	9.43	41	266395	52.462	ug/l	99
49) 1,4-Dioxane	9.44	88	75009	926.526	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1405028	260.145	ug/l	100
52) Toluene	10.38	92	1140417	50.734	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	557992	50.431	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	684834	50.643	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	324887	51.393	ug/l	98
56) Ethyl methacrylate	10.65	69	437829	53.293	ug/l	99
57) 1,3-Dichloropropane	10.93	76	562865	50.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	707906	283.318	ug/l	99
59) 2-Hexanone	10.96	43	947142	254.490	ug/l	99
60) Dibromochloromethane	11.13	129	357323	50.097	ug/l	98
61) 1,2-Dibromoethane	11.23	107	302118	50.347	ug/l	99
64) Tetrachloroethene	10.86	164	396384	48.317	ug/l	99
65) Chlorobenzene	11.65	112	1165593	50.208	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	393131	50.295	ug/l	99
67) Ethyl Benzene	11.73	91	2086364	49.869	ug/l	99
68) m/p-Xylenes	11.84	106	1611769	100.659	ug/l	99
69) o-Xylene	12.16	106	750371	50.733	ug/l	100
70) Styrene	12.18	104	1280338	51.179	ug/l	100
71) Bromoform	12.35	173	211455	49.596	ug/l #	97
73) Isopropylbenzene	12.46	105	2038209	50.487	ug/l	100
74) N-amyl acetate	12.27	43	474403	52.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	370229	50.809	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	278808m	53.596	ug/l	
77) Bromobenzene	12.74	156	473292	50.477	ug/l	100
78) n-propylbenzene	12.80	91	2405852	50.680	ug/l	100
79) 2-Chlorotoluene	12.89	91	1349564	49.956	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1691427	49.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	114797	49.168	ug/l	98
82) 4-Chlorotoluene	12.99	91	1405469	50.076	ug/l	100
83) tert-Butylbenzene	13.21	119	1483080	49.973	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1691309	50.140	ug/l	100
85) sec-Butylbenzene	13.38	105	2046175	49.811	ug/l	100
86) p-Isopropyltoluene	13.49	119	1848652	49.372	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	902780	49.513	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	883001	49.054	ug/l	100
89) n-Butylbenzene	13.82	91	1726802	49.663	ug/l	100
90) Hexachloroethane	14.09	117	318680	48.720	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	791329	49.379	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	55605	48.188	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
Data File : VW014538.D
Acq On : 06 Jan 2020 21:36
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM

Quant Time: Jan 07 12:03:18 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	521712	48.209	ug/l	99
94) Hexachlorobutadiene	15.24	225	324355	44.725	ug/l	99
95) Naphthalene	15.36	128	915476	49.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	450318	47.738	ug/l	99

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

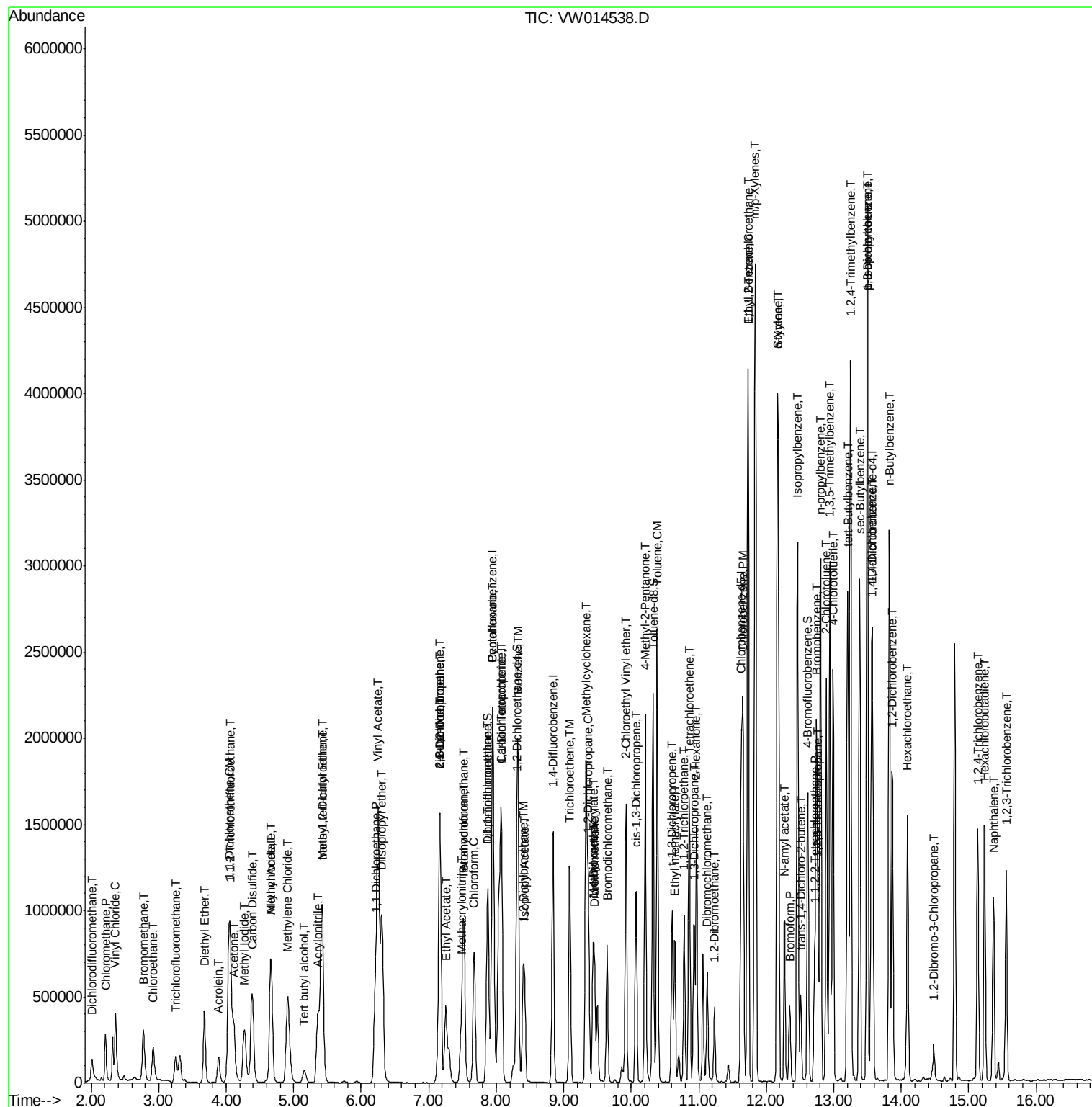
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014538.D
 Acq On : 06 Jan 2020 21:36
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

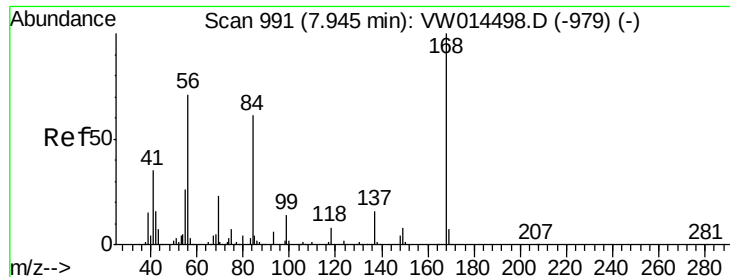
Instrument :
 MSVOA_W
 Client Sample ID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/7/2020 2:03:07 PM

Quant Time: Jan 07 12:03:18 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 862281

Ion Ratio Lower Upper

168 100

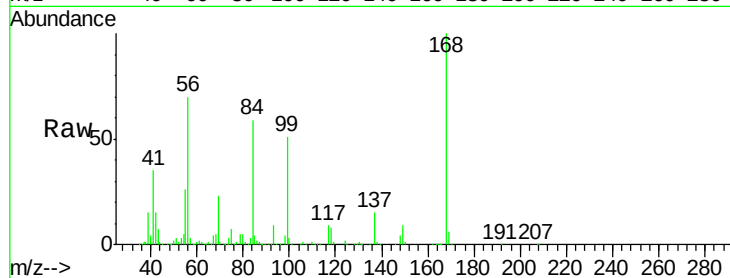
99 50.9 41.1 61.7

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

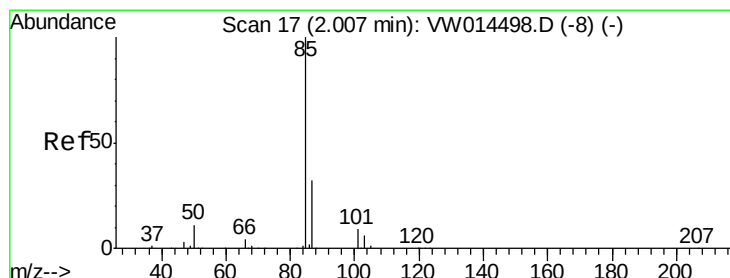
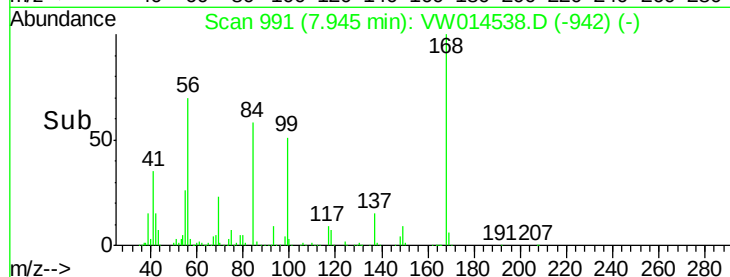
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 45.876 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014538.D

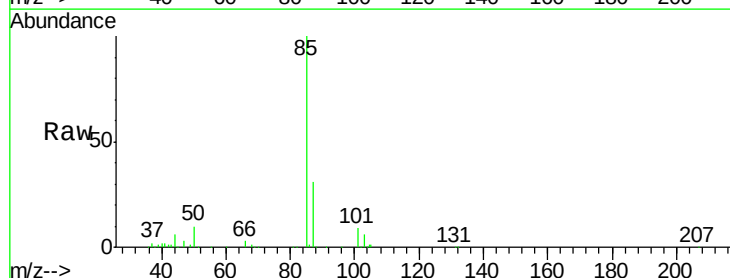
Acq: 06 Jan 2020 21:36

Tgt Ion: 85 Resp: 223352

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

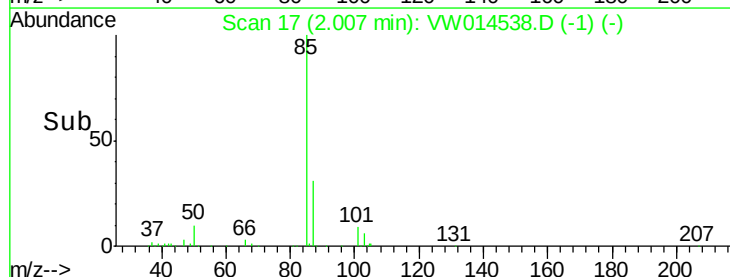
60000

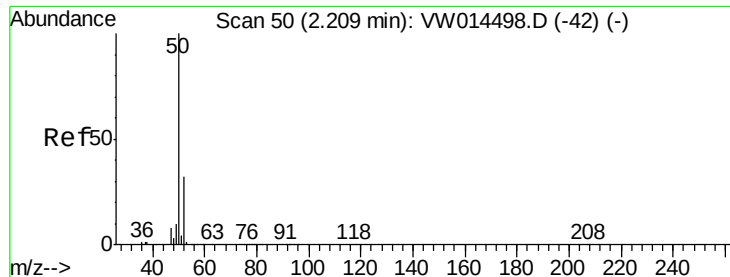
40000

20000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 44.557 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 265529

Ion Ratio Lower Upper

50 100

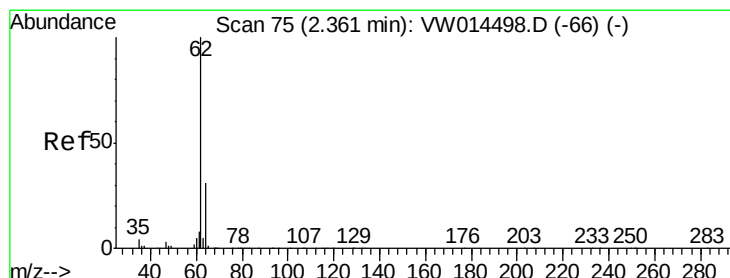
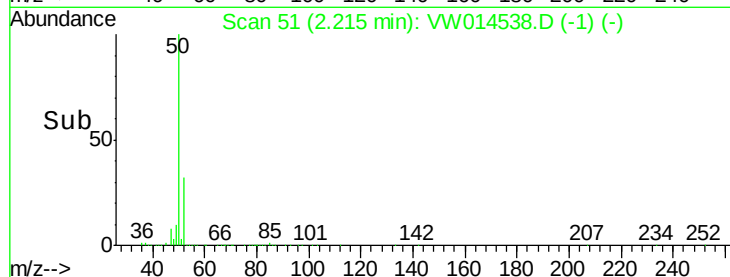
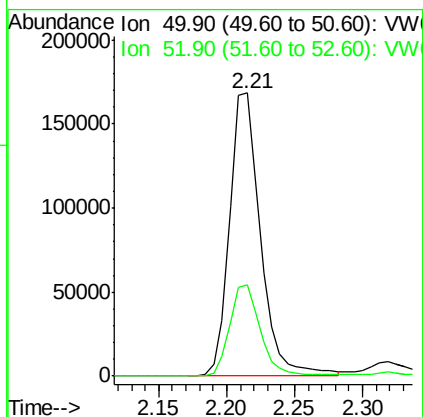
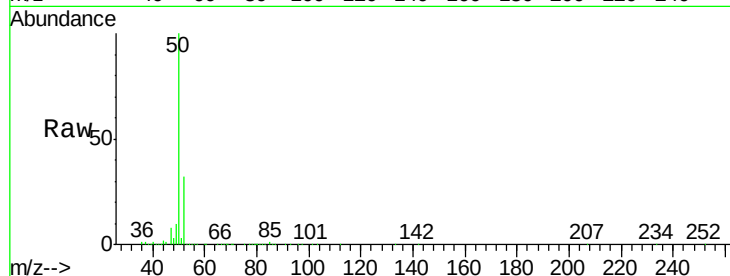
52 32.3 25.8 38.8

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#4

Vinyl Chloride

Concen: 49.624 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014538.D

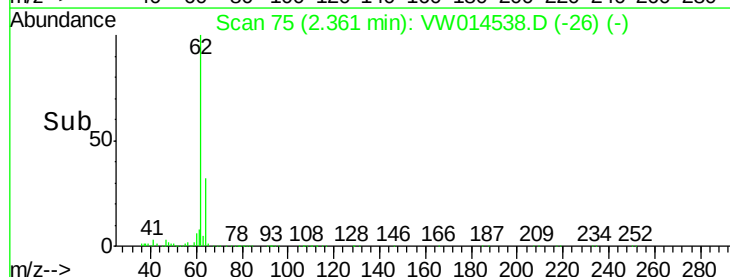
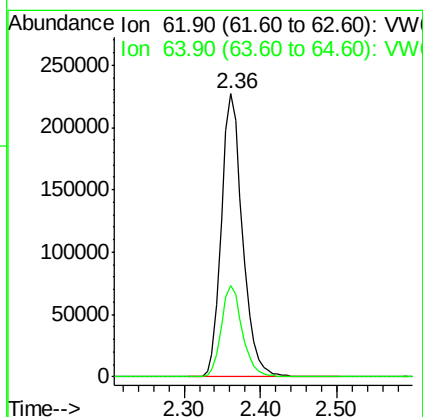
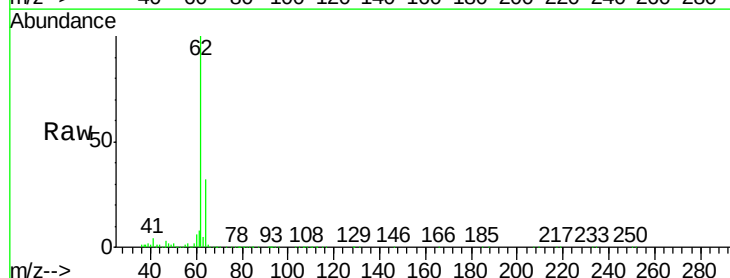
Acq: 06 Jan 2020 21:36

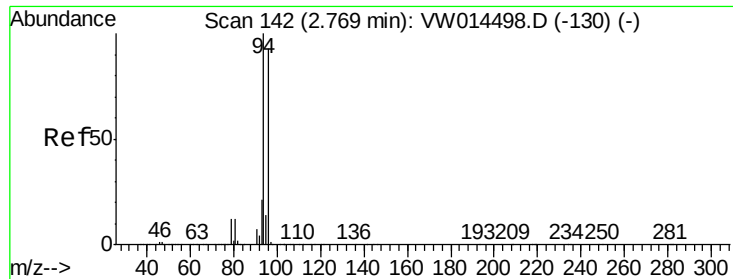
Tgt Ion: 62 Resp: 434958

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 50.587 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 273910

Ion Ratio Lower Upper

94 100

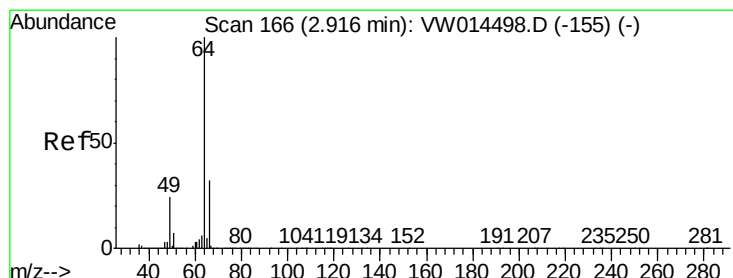
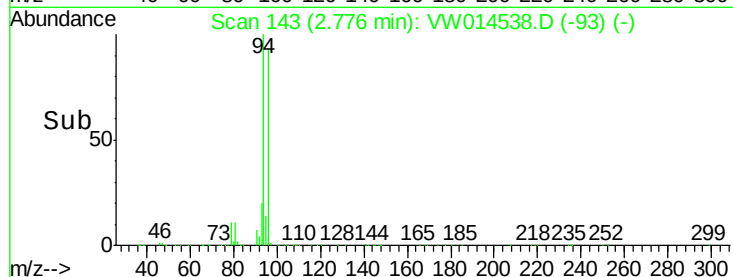
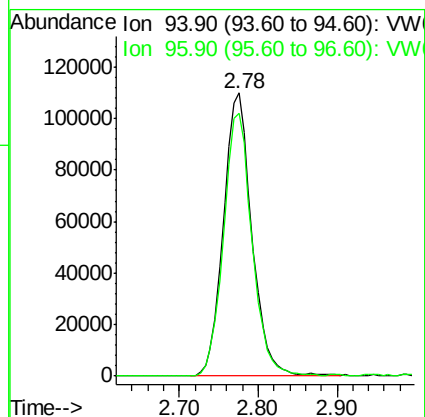
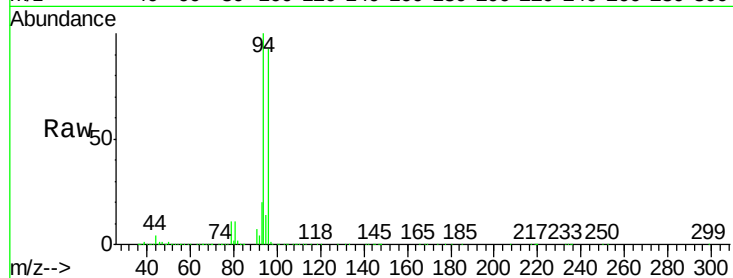
96 93.0 74.2 111.2

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#6

Chloroethane

Concen: 51.737 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014538.D

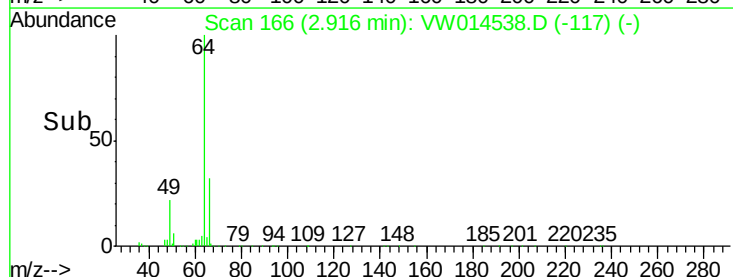
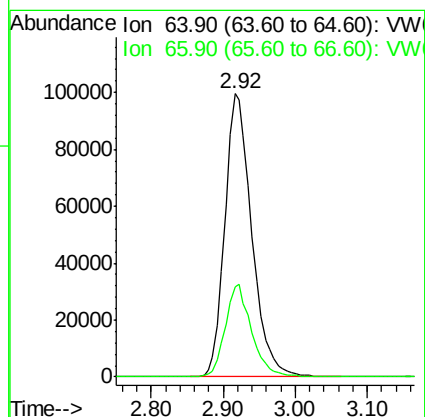
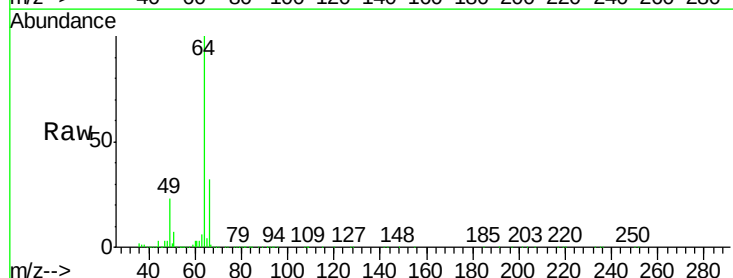
Acq: 06 Jan 2020 21:36

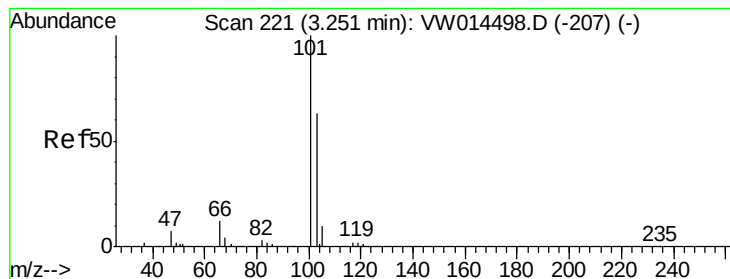
Tgt Ion: 64 Resp: 258501

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5





#7

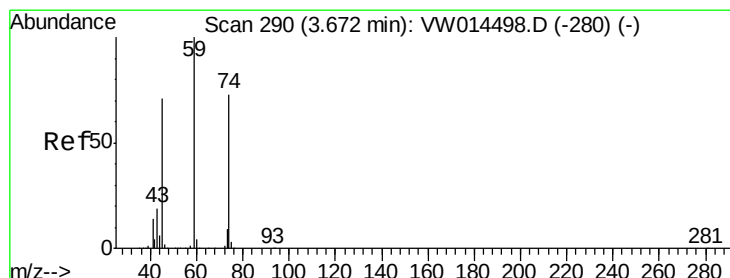
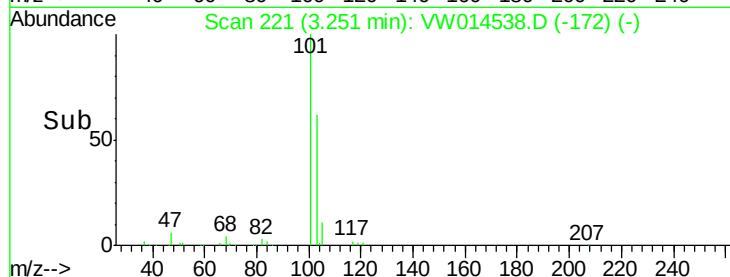
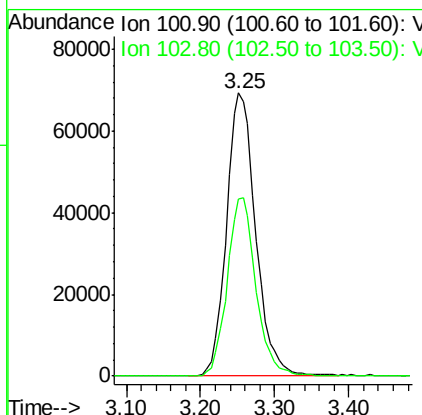
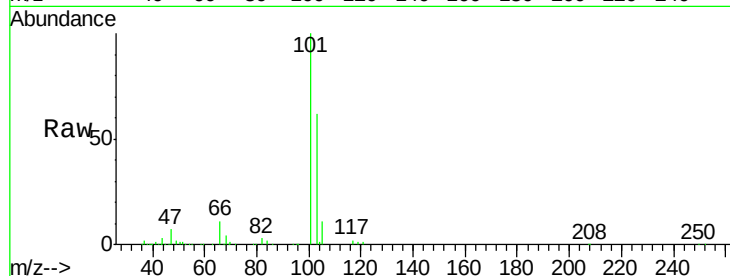
Trichlorofluoromethane
Concen: 43.298 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.5	50.1	75.1

Manual Integrations
APPROVED

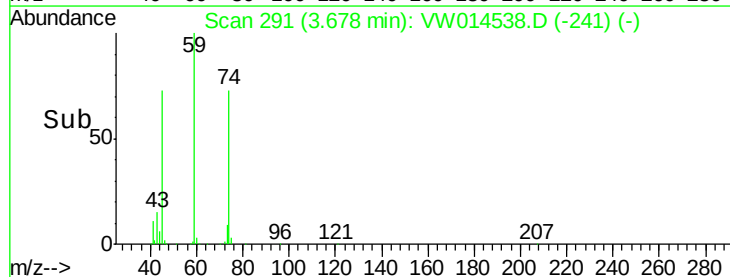
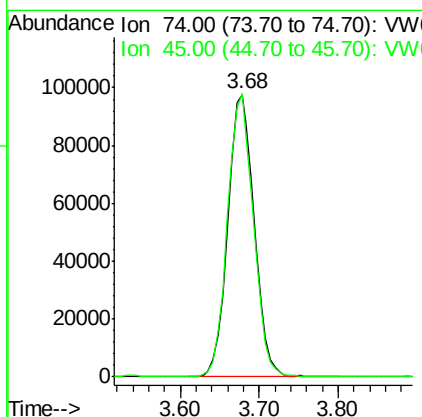
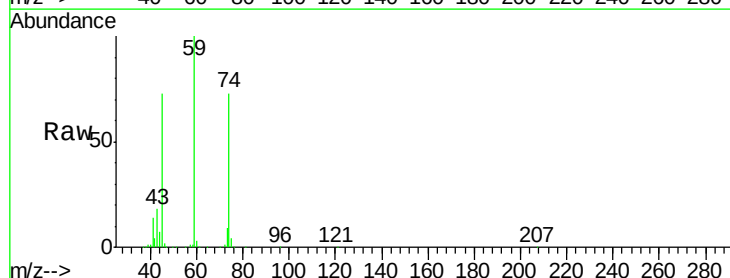
apatel
1/7/2020 2:03:07 PM

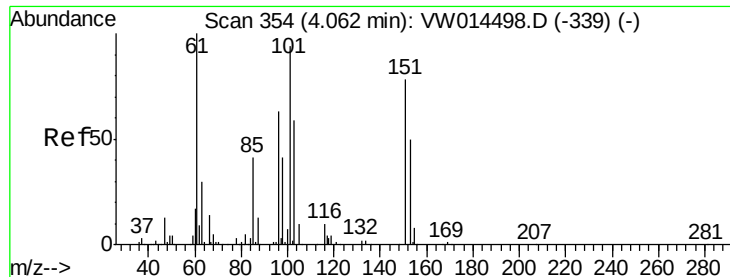


#8

Diethyl Ether
Concen: 51.933 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.501 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

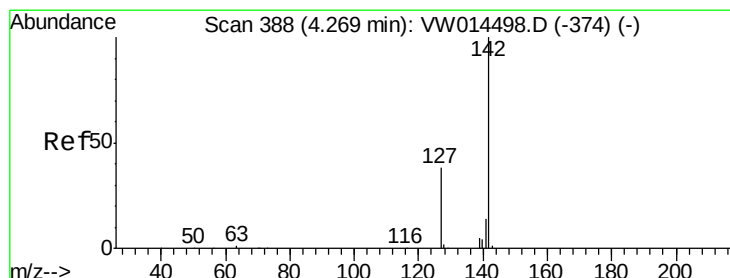
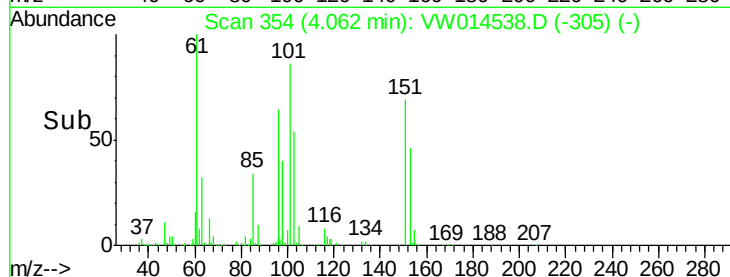
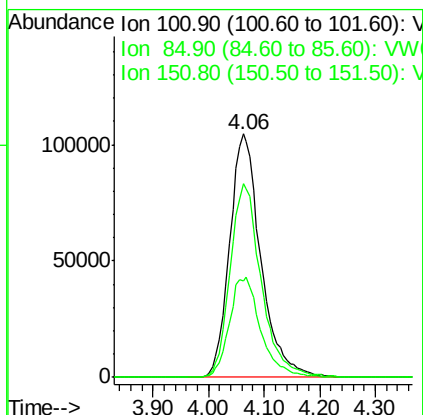
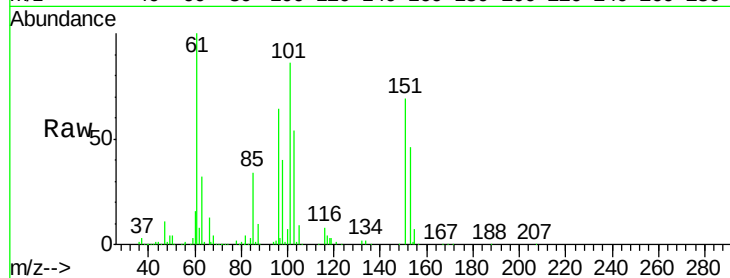
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	405615
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.7	50.5
151	79.6	63.5	95.3

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



#10

Methyl Iodide

Concen: 51.338 ug/l

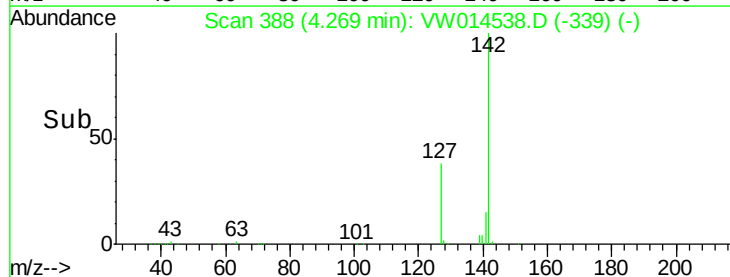
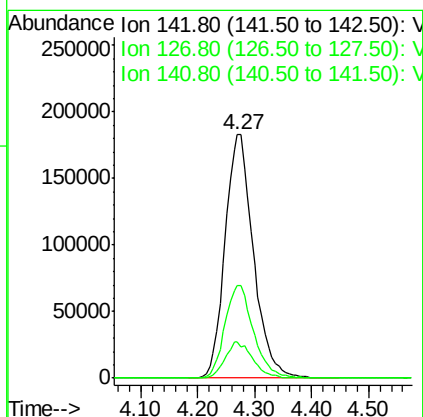
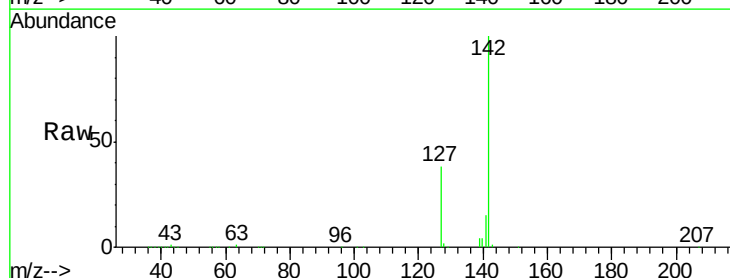
RT: 4.27 min Scan# 388

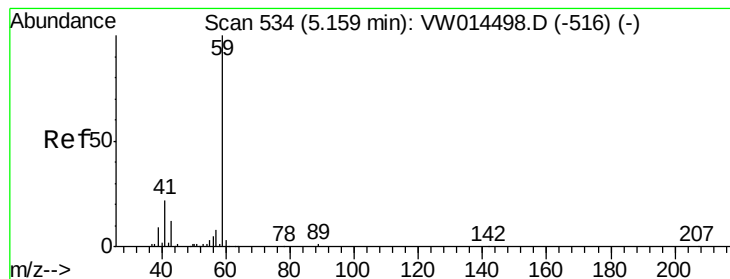
Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Tgt Ion:	142	Resp:	634721
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.2	45.4
141	14.5	11.4	17.2





#11

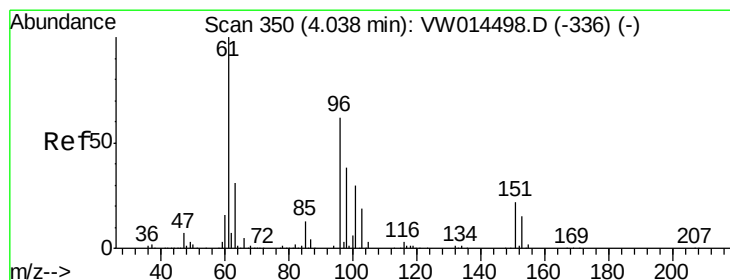
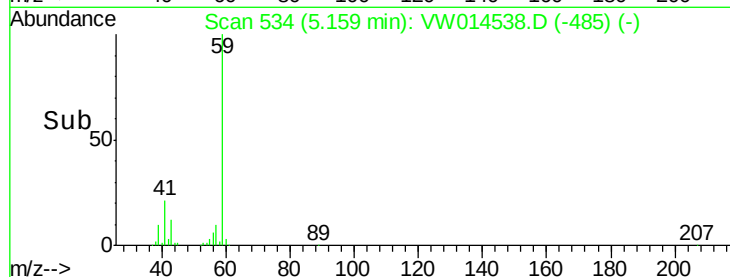
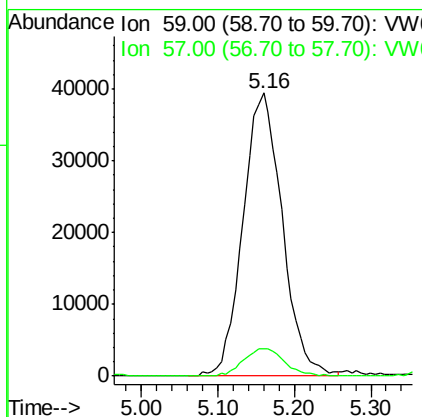
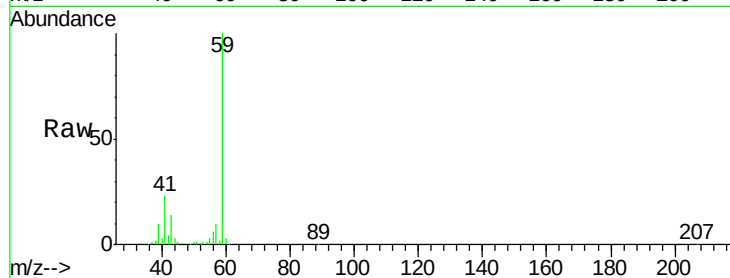
Tert butyl alcohol
Concen: 241.489 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

Manual Integrations
APPROVED

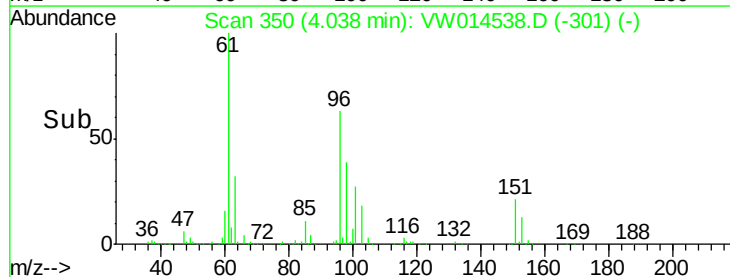
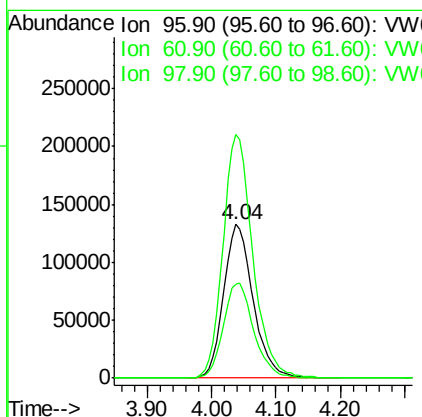
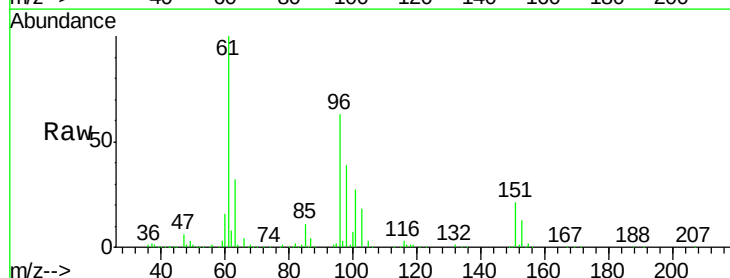
apatel
1/7/2020 2:03:07 PM

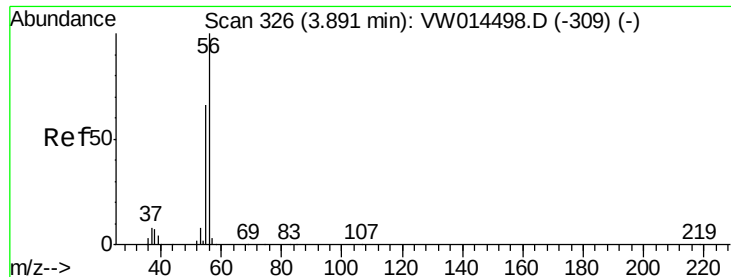


#12

1,1-Dichloroethene
Concen: 49.864 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	128.4	192.6
98	61.1	49.1	73.7





#13

Acrolein

Concen: 293.365 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 193038

Ion Ratio Lower Upper

56 100

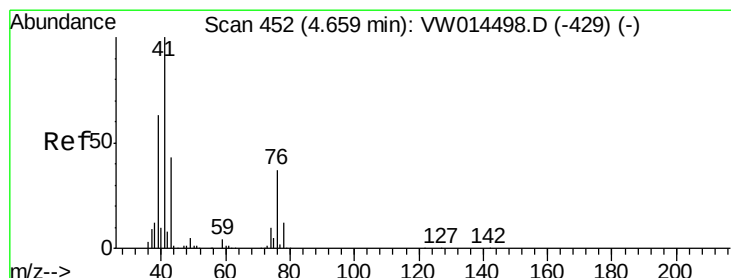
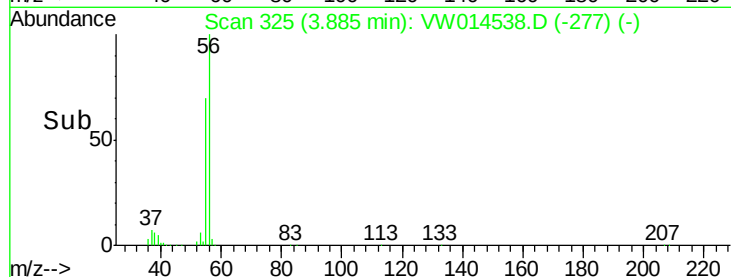
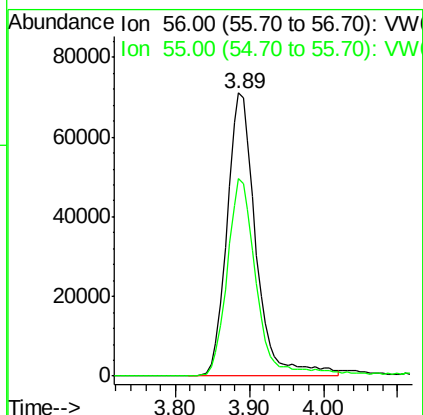
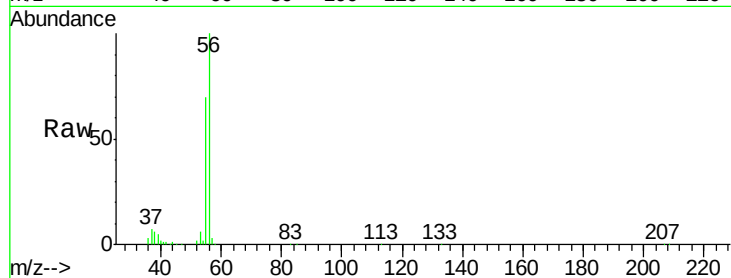
55 68.5 56.7 85.1

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#14

Allyl chloride

Concen: 51.245 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

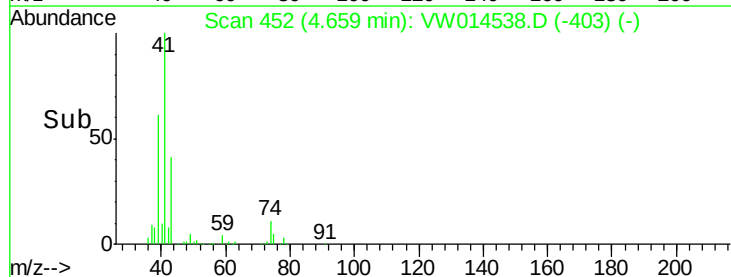
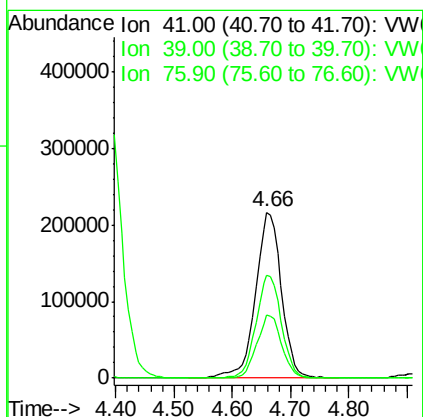
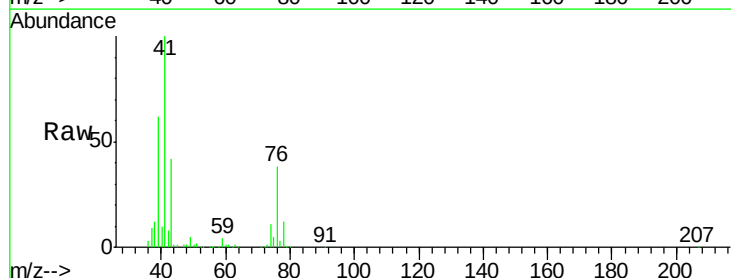
Tgt Ion: 41 Resp: 671980

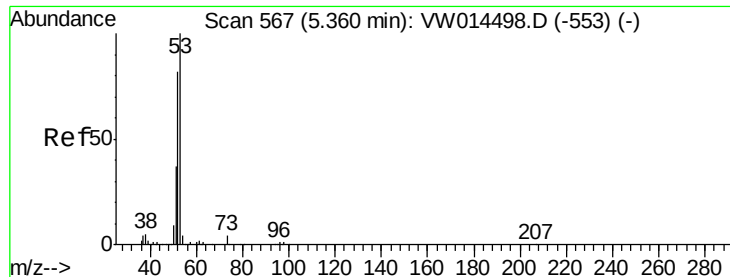
Ion Ratio Lower Upper

41 100

39 60.5 48.5 72.7

76 36.0 28.1 42.1





#15

Acrylonitrile

Concen: 258.724 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

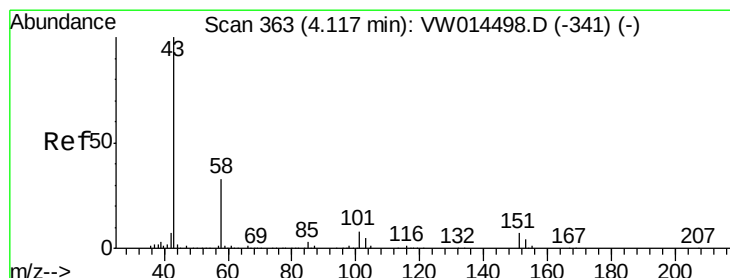
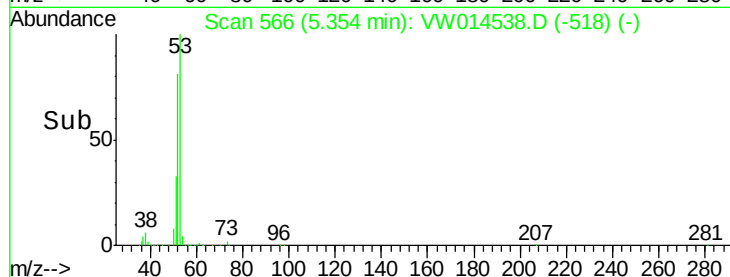
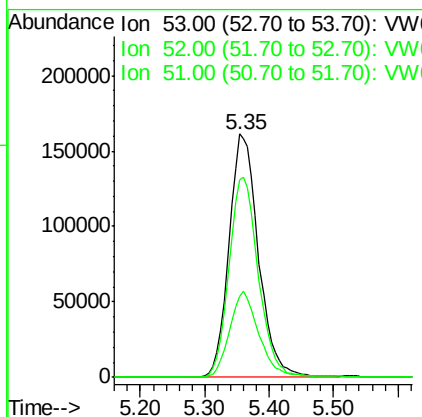
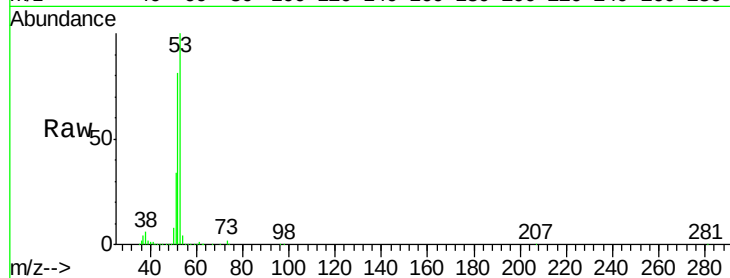
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	516027
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.5	99.7
51	35.2	28.4	42.6

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



#16

Acetone

Concen: 191.903 ug/l

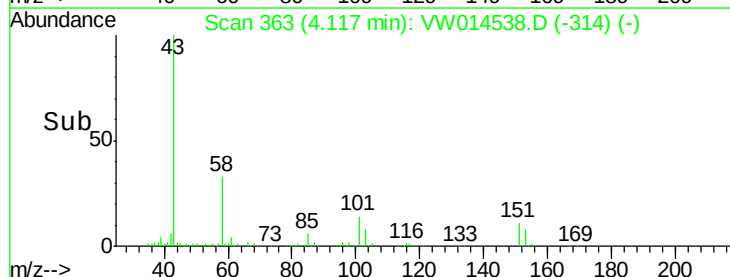
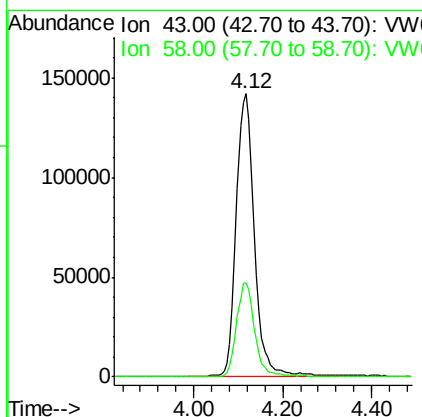
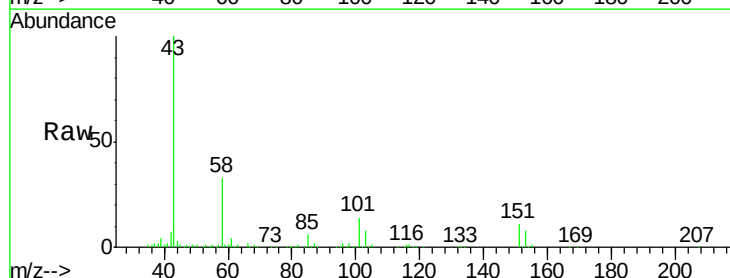
RT: 4.12 min Scan# 363

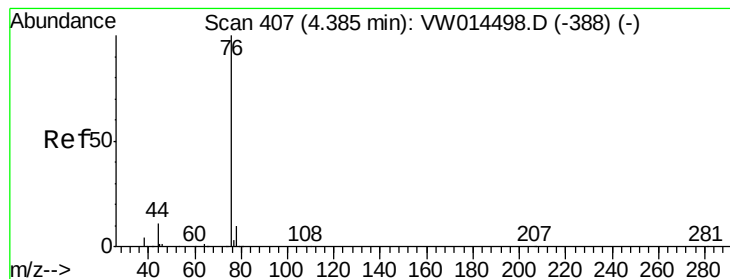
Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Tgt Ion:	43	Resp:	408519
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.6	39.8





#17

Carbon Disulfide

Concen: 49.270 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 1274271

Ion Ratio Lower Upper

76 100

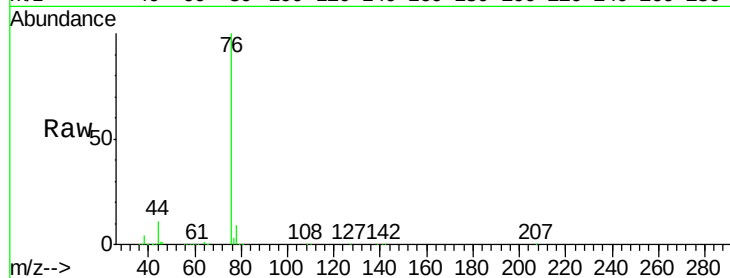
78 9.3 7.8 11.6

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

400000

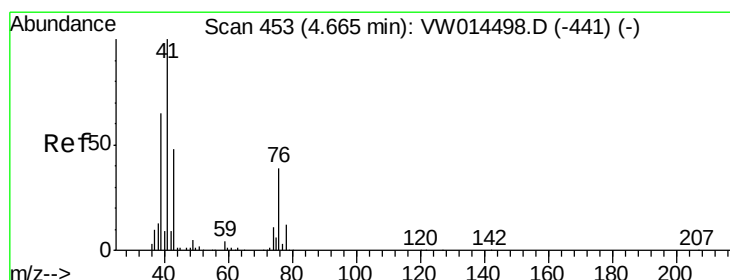
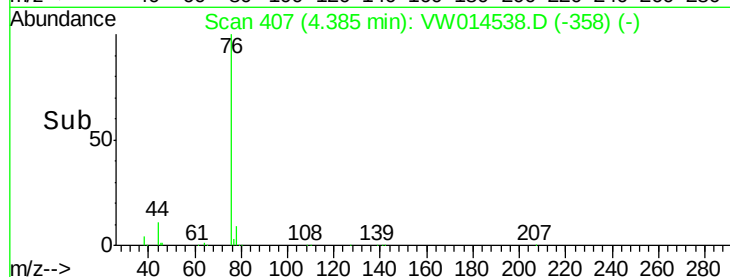
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 52.762 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014538.D

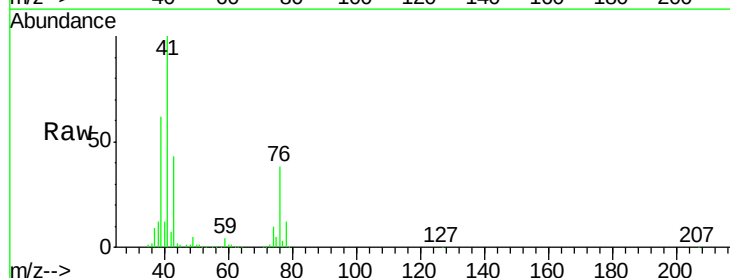
Acq: 06 Jan 2020 21:36

Tgt Ion: 43 Resp: 271264

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

100000

80000

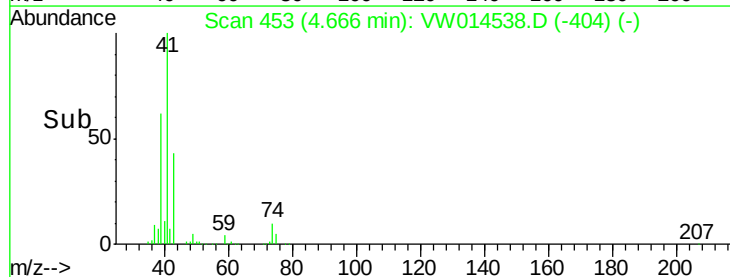
60000

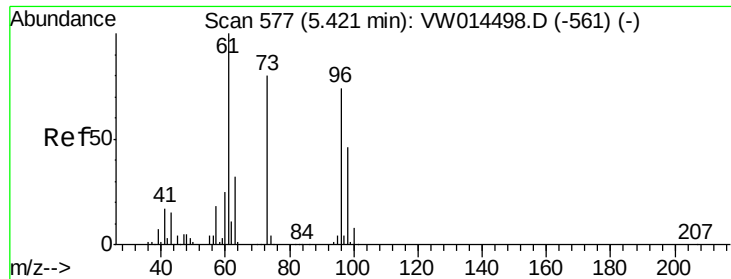
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





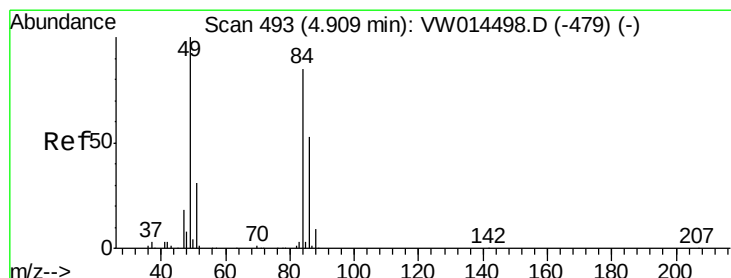
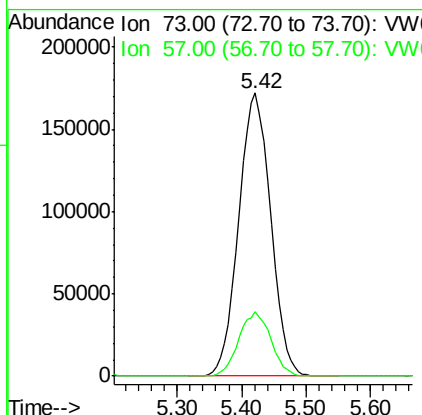
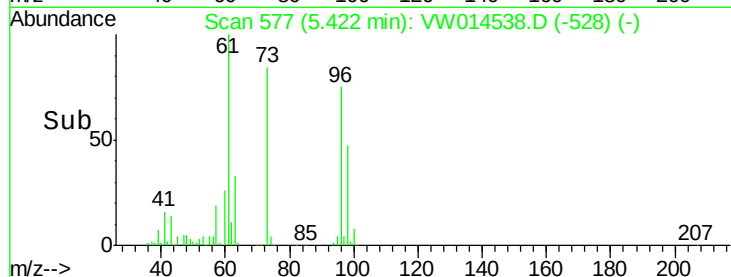
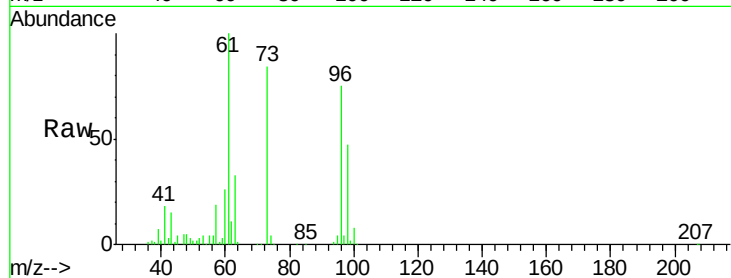
#19
Methyl tert-butyl Ether
Concen: 55.368 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 589772
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1

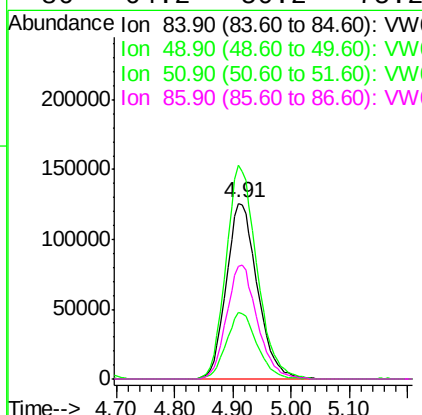
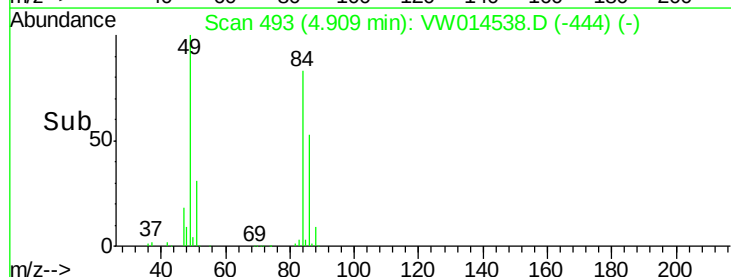
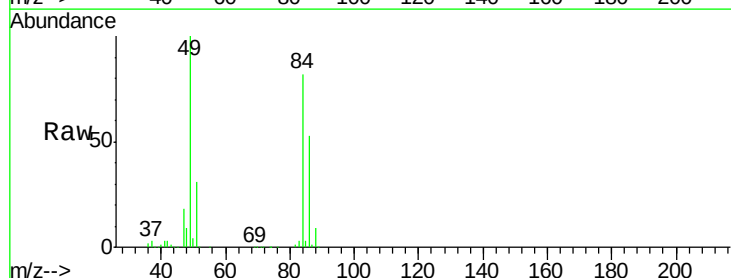
Manual Integrations
APPROVED

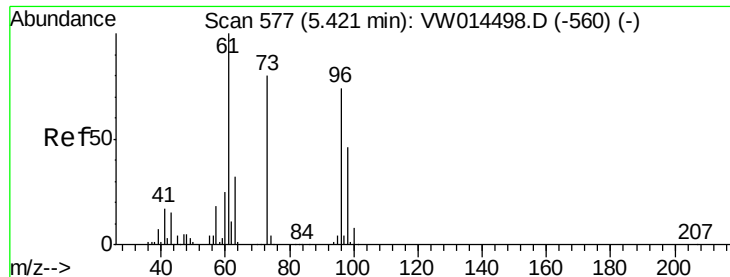
apatel
1/7/2020 2:03:07 PM



#20
Methylene Chloride
Concen: 54.565 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion: 84 Resp: 466266
Ion Ratio Lower Upper
84 100
49 121.4 94.4 141.6
51 37.5 29.5 44.3
86 64.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 50.533 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 460432
Ion Ratio Lower Upper

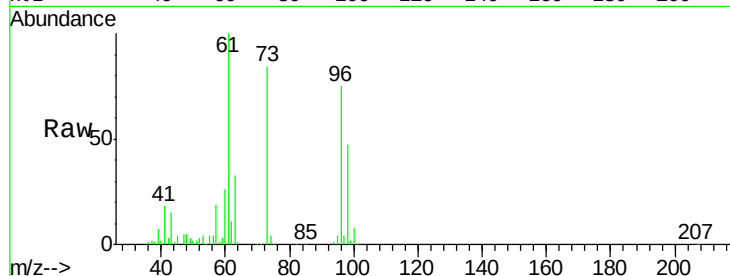
96 100

61 133.2 107.8 161.6

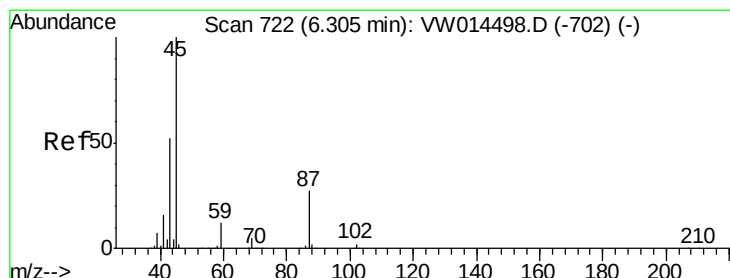
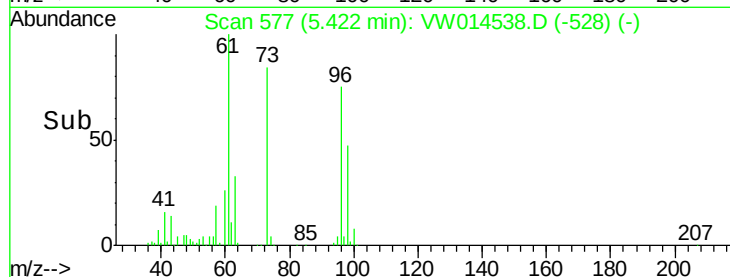
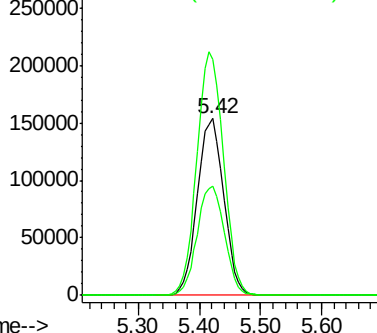
98 62.0 49.4 74.0

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.445 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

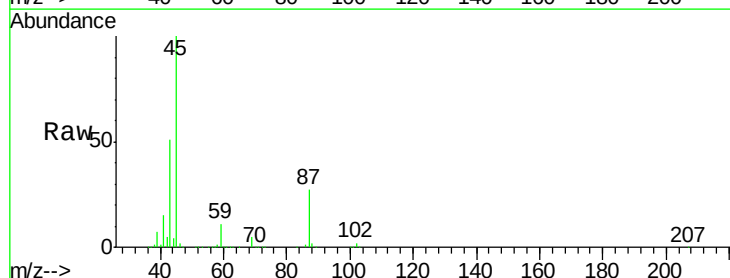
Tgt Ion: 45 Resp: 1311778
Ion Ratio Lower Upper

45 100

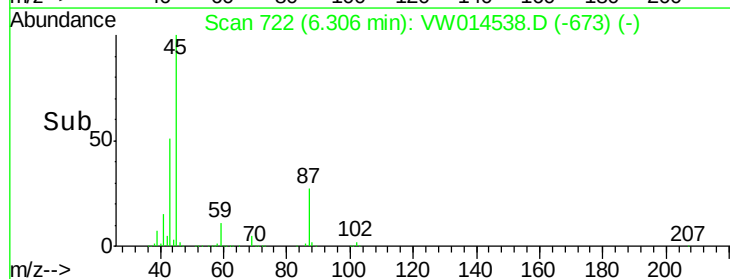
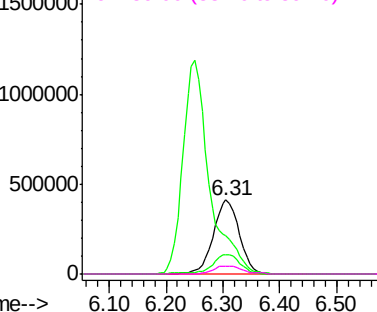
43 51.3 41.4 62.0

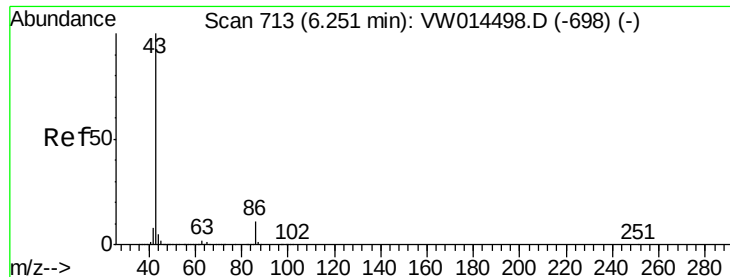
87 26.7 22.2 33.2

59 11.2 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 260.803 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3865445

Ion Ratio Lower Upper

43 100

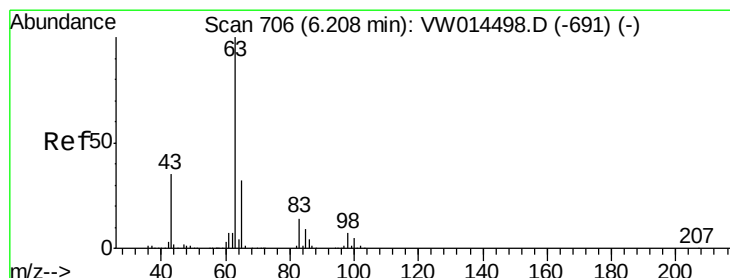
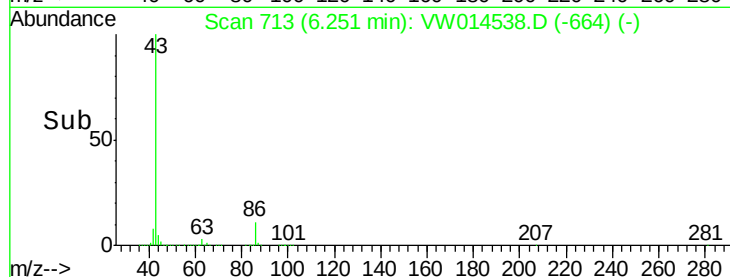
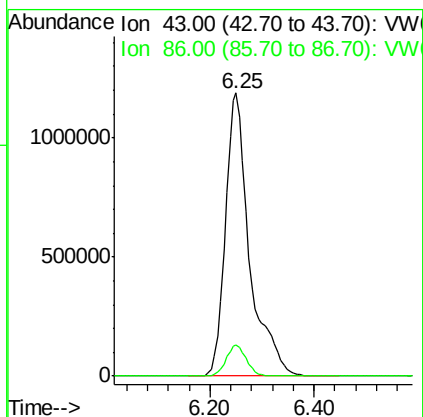
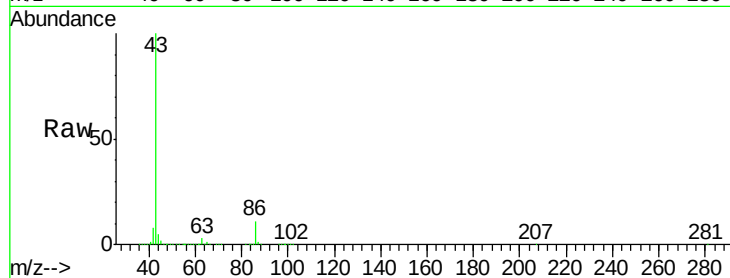
86 10.9 8.8 13.2

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#24

1,1-Dichloroethane

Concen: 51.432 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

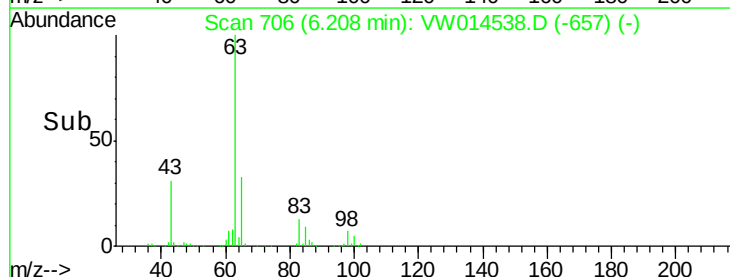
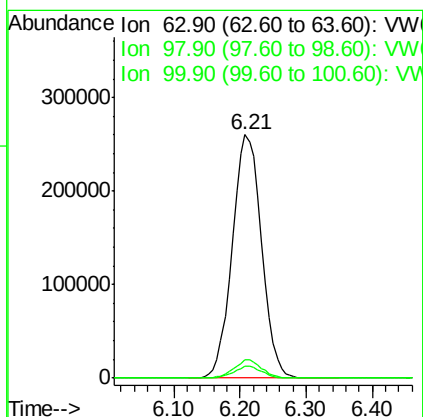
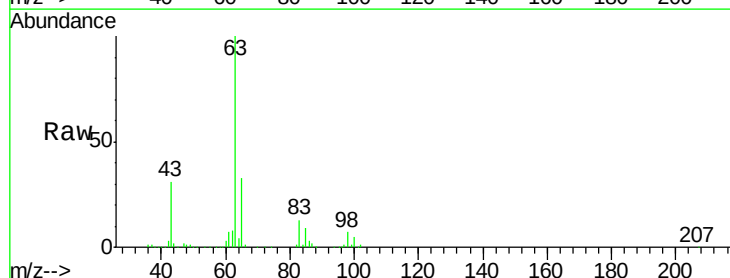
Tgt Ion: 63 Resp: 796281

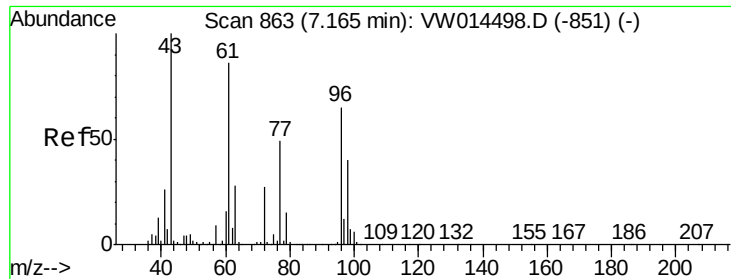
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 235.182 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tgt Ion: 43 Resp: 642497

Ion Ratio Lower Upper

43 100

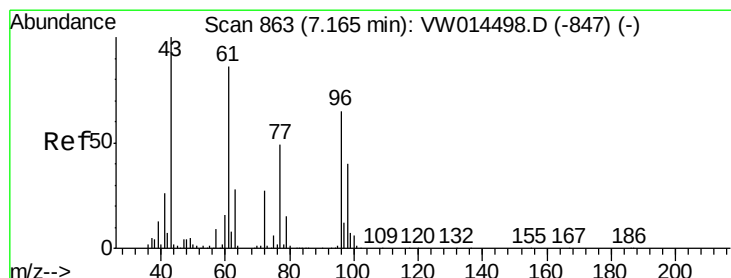
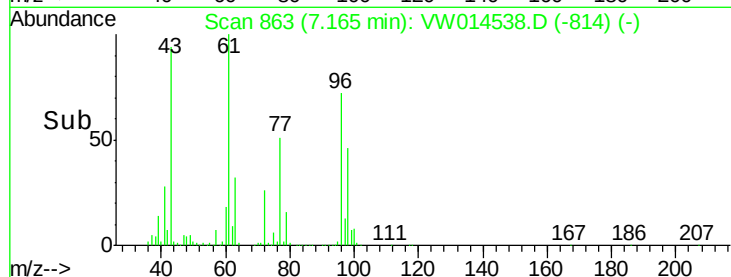
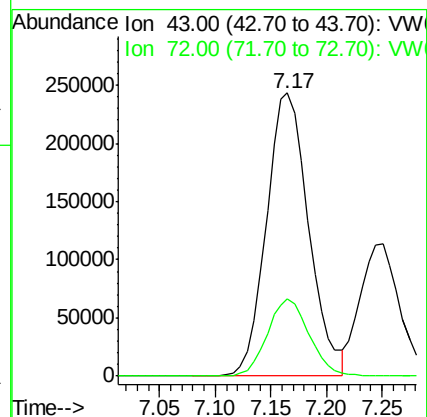
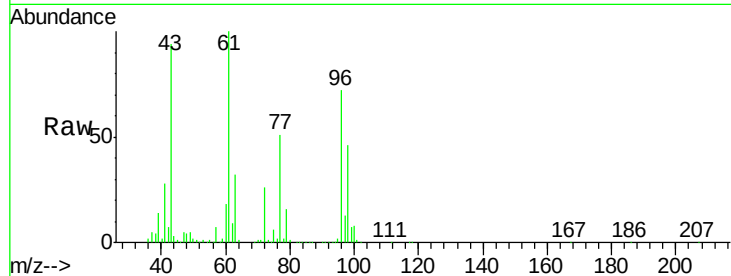
72 27.5 21.9 32.9

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#26

2,2-Dichloropropane

Concen: 44.416 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014538.D

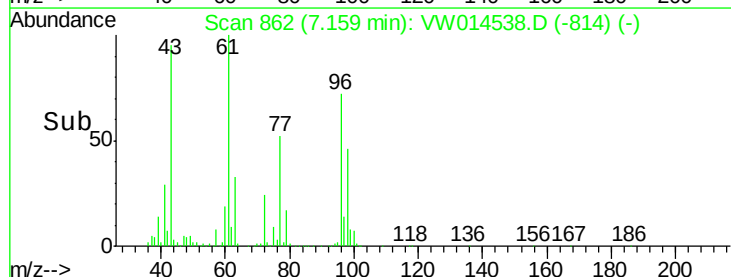
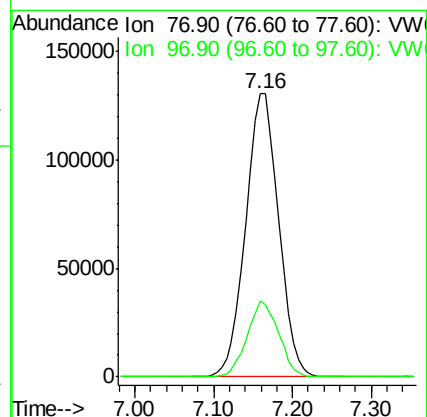
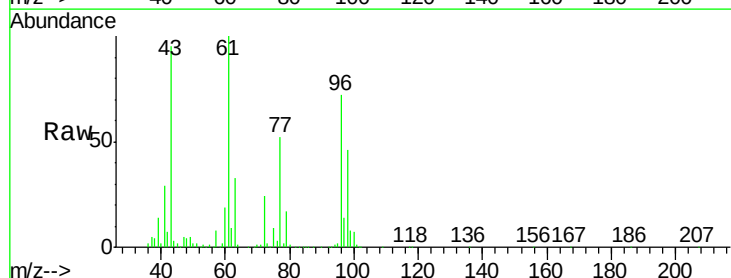
Acq: 06 Jan 2020 21:36

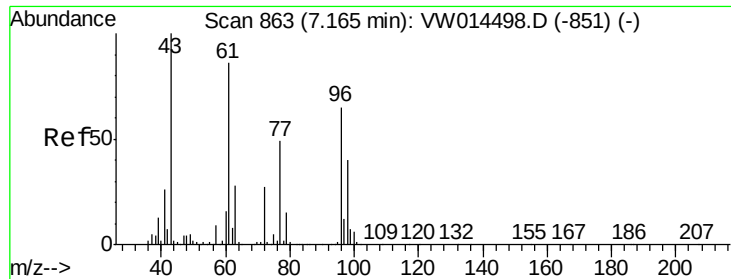
Tgt Ion: 77 Resp: 380720

Ion Ratio Lower Upper

77 100

97 25.5 12.5 37.5





#27

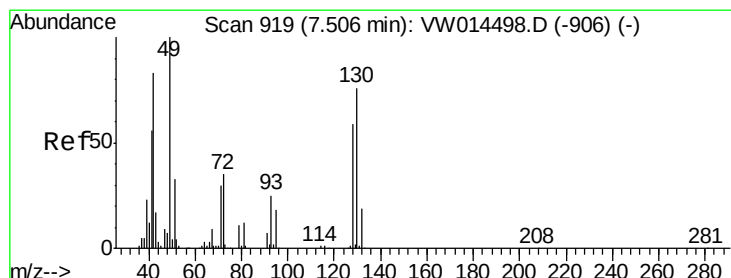
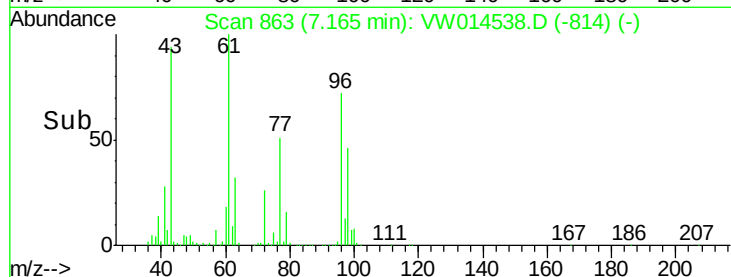
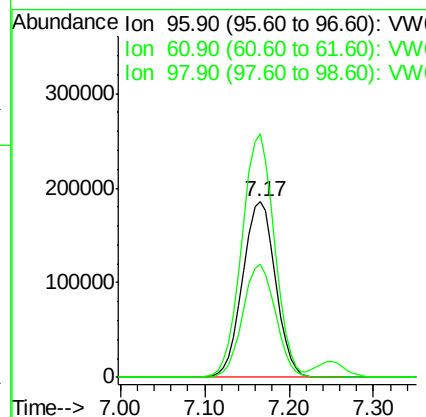
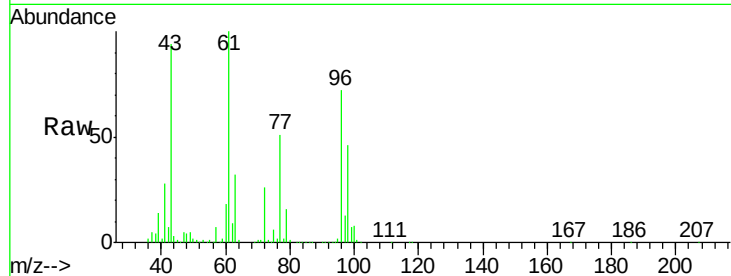
cis-1,2-Dichloroethene
Concen: 51.252 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	490684		
61	138.3	0.0	274.8	
98	64.2	0.0	128.6	

Manual Integrations
APPROVED

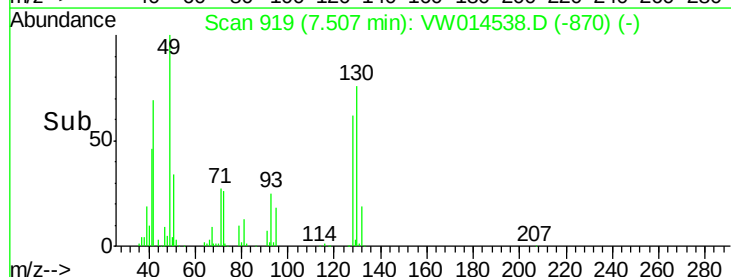
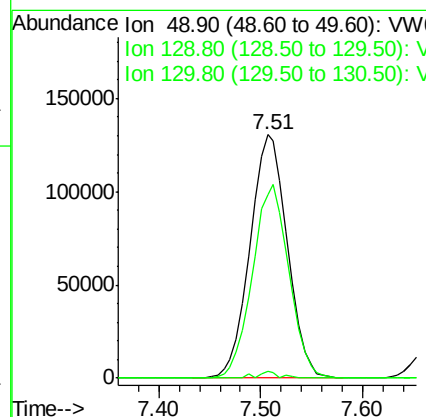
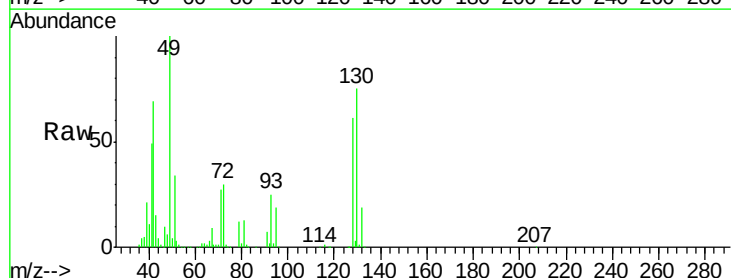
apatel
1/7/2020 2:03:07 PM

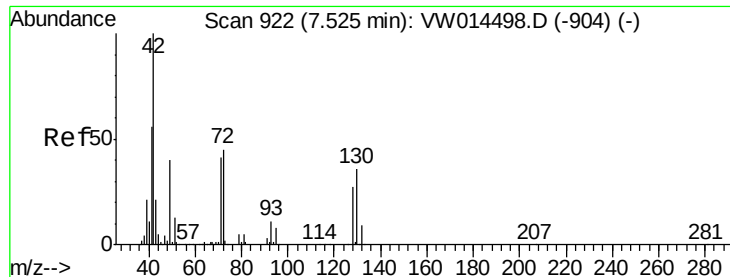


#28

Bromochloromethane
Concen: 54.607 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	331454		
129	1.6	0.0	2.0	
130	78.1	62.5	93.7	





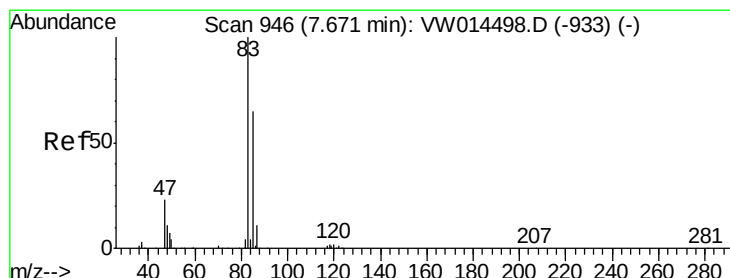
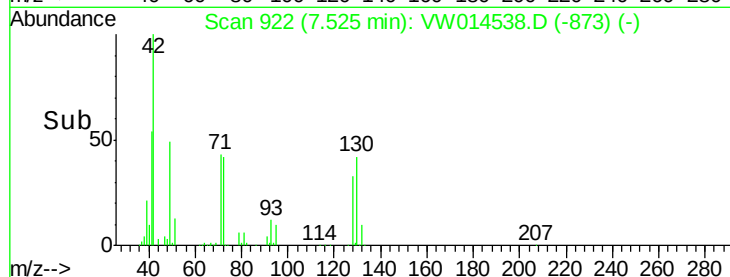
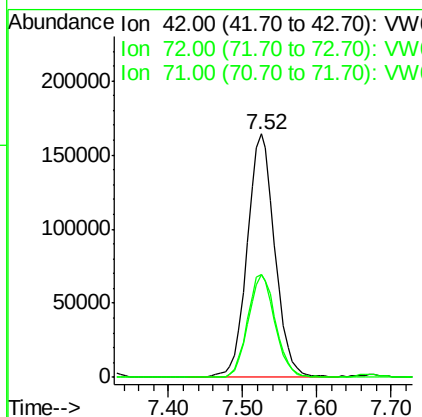
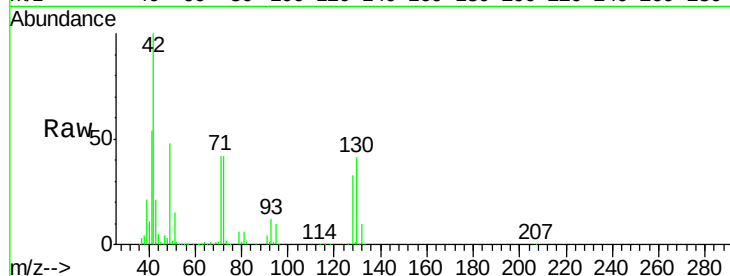
#29
Tetrahydrofuran
Concen: 251.387 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.5	51.7
71	40.7	32.0	48.0

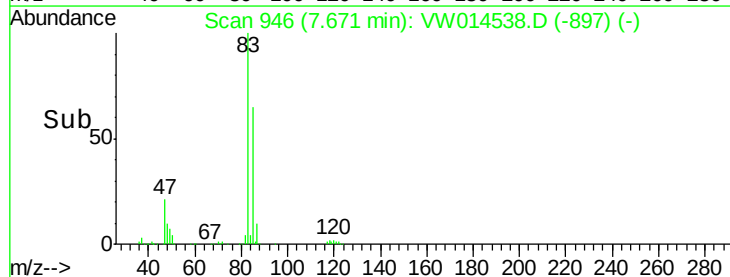
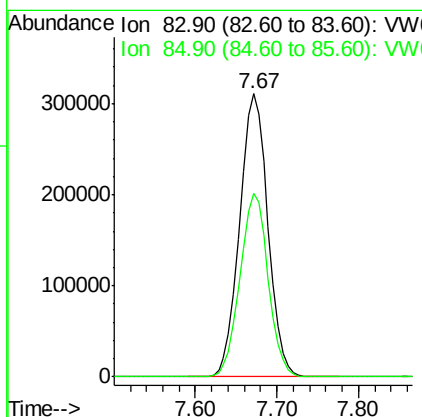
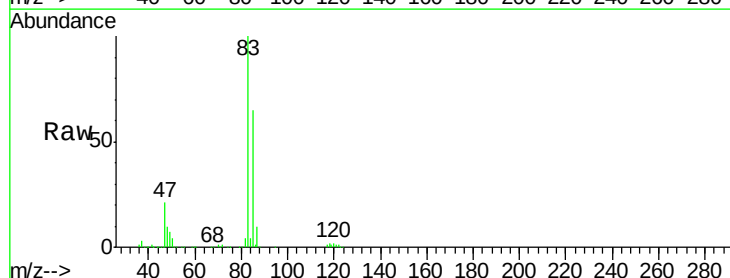
Manual Integrations
APPROVED

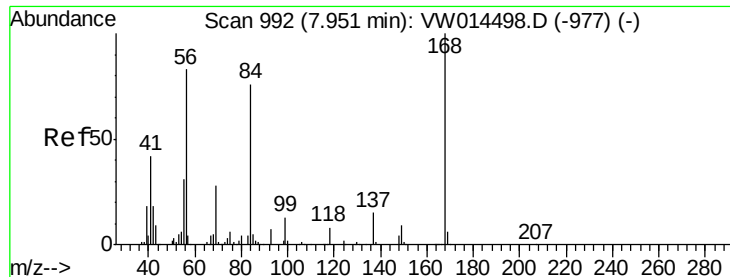
apatel
1/7/2020 2:03:07 PM



#30
Chloroform
Concen: 51.455 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2





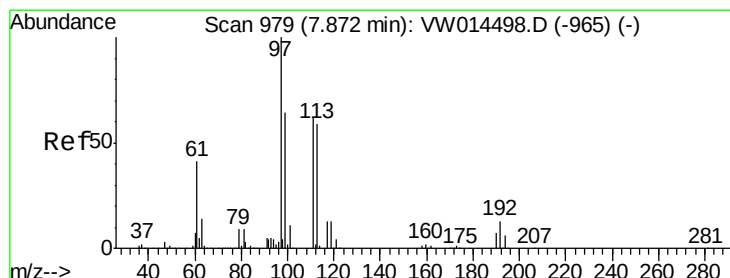
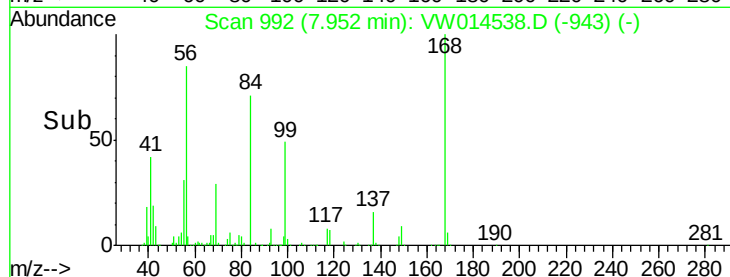
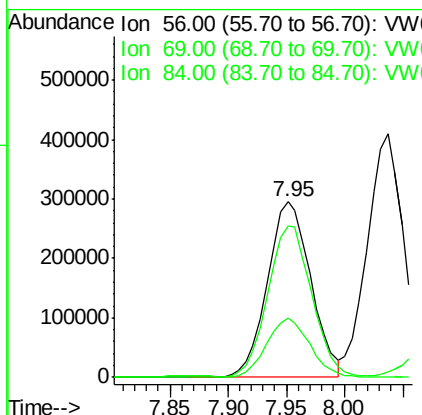
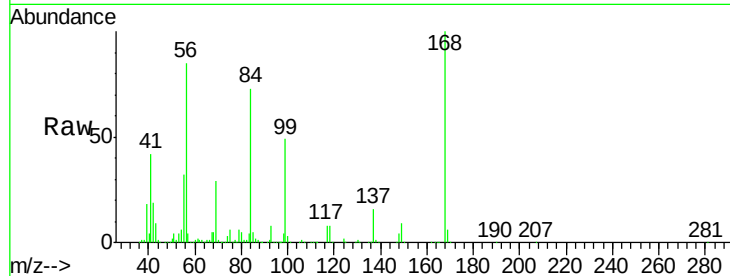
#31
Cyclohexane
Concen: 47.421 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.8	40.2
84	84.8	71.8	107.6

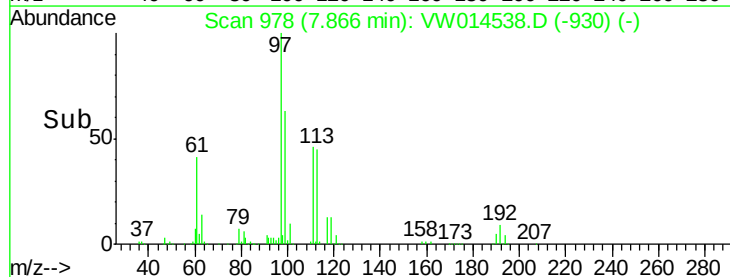
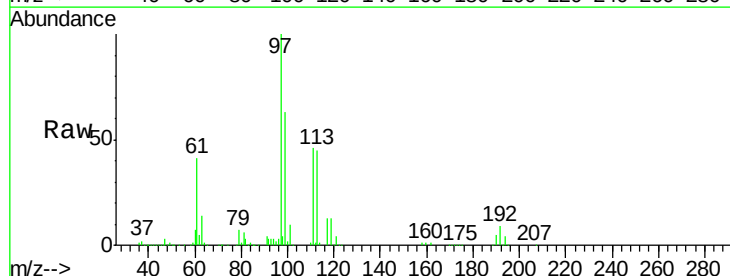
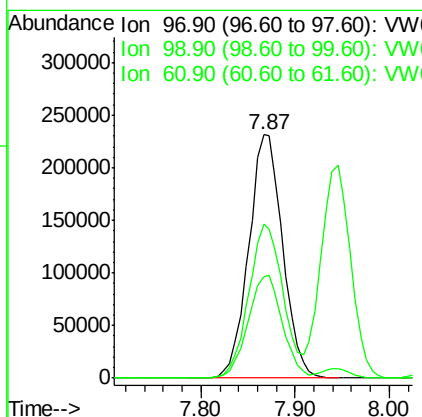
Manual Integrations
APPROVED

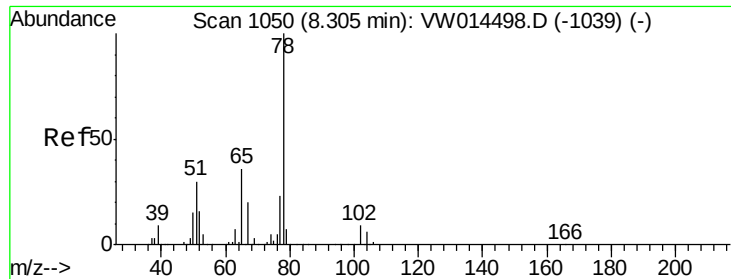
apatel
1/7/2020 2:03:07 PM



#32
1,1,1-Trichloroethane
Concen: 50.229 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	42.6	33.8	50.8





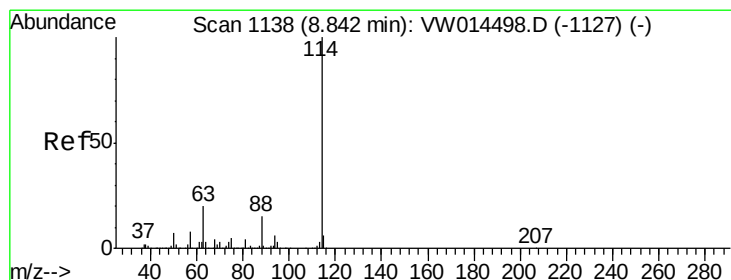
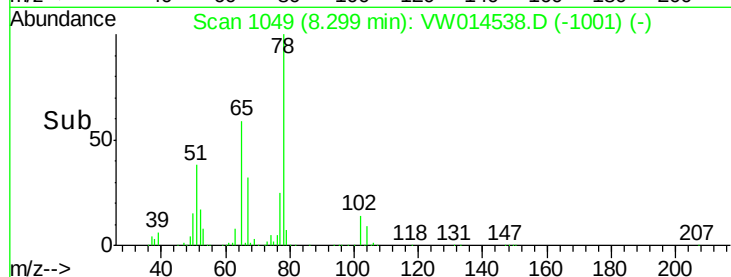
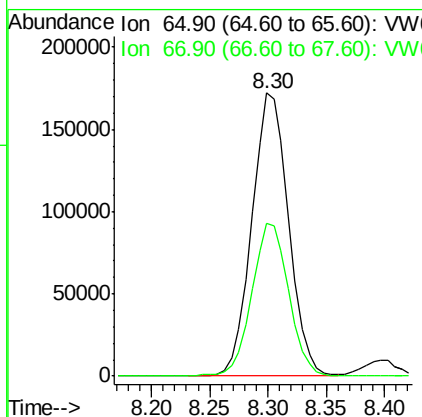
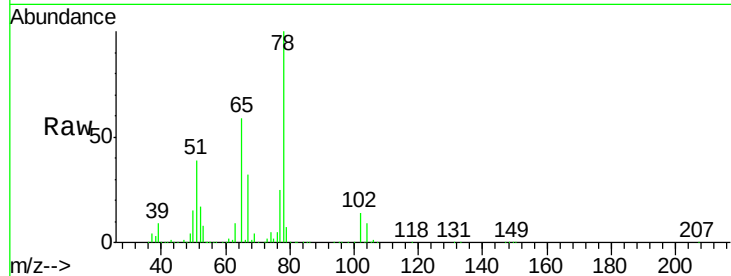
#33
 1,2-Dichloroethane-d4
 Concen: 50.202 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 378472
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4

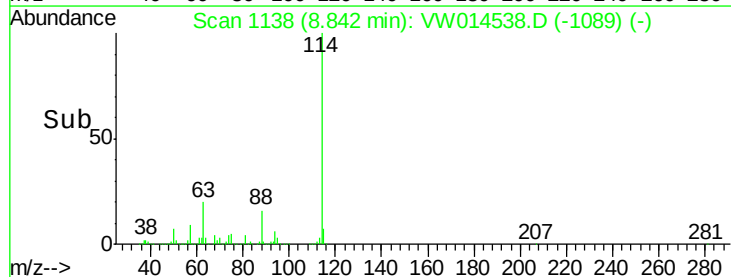
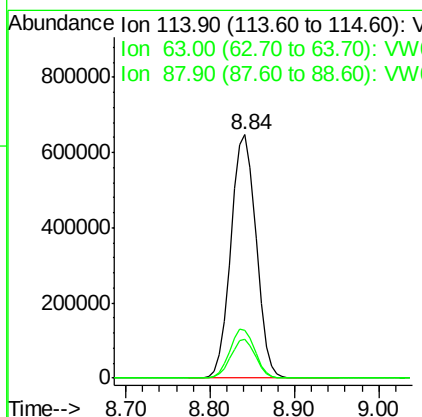
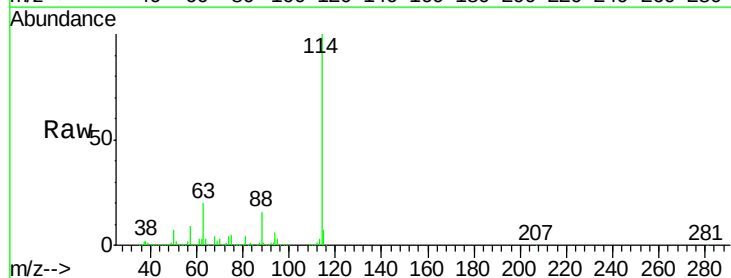
Manual Integrations
 APPROVED

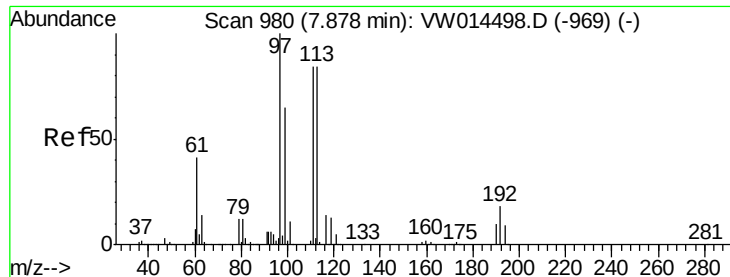
apatel
 1/7/2020 2:03:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion: 114 Resp: 1309951
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.4
 88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.460 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

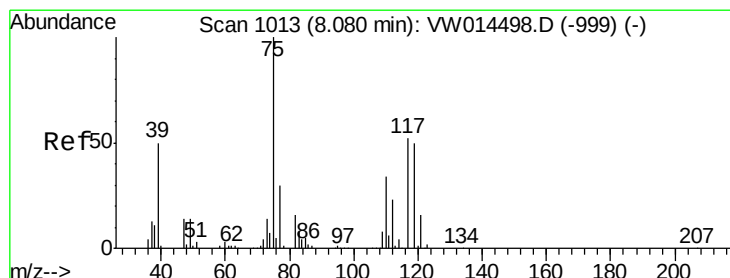
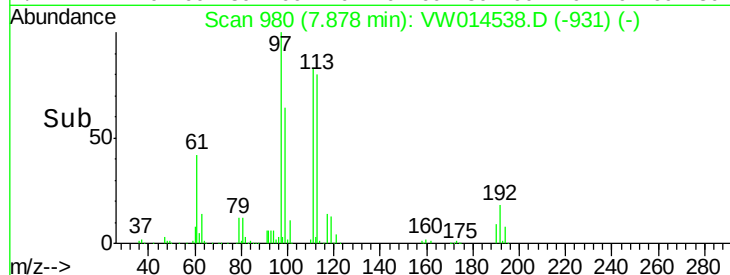
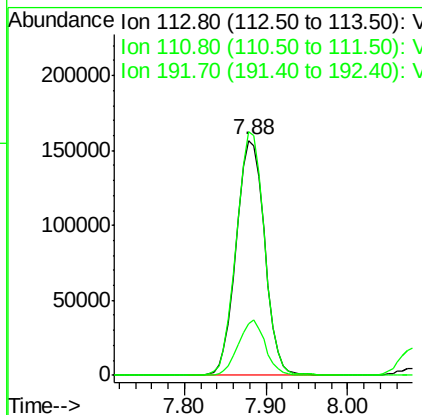
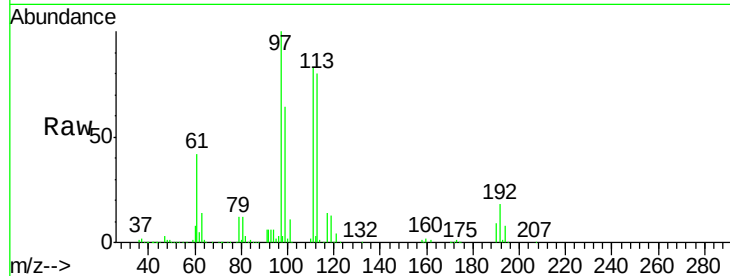
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	377775
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	22.1	17.8	26.8

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



#36

1,1-Dichloropropene

Concen: 49.296 ug/l

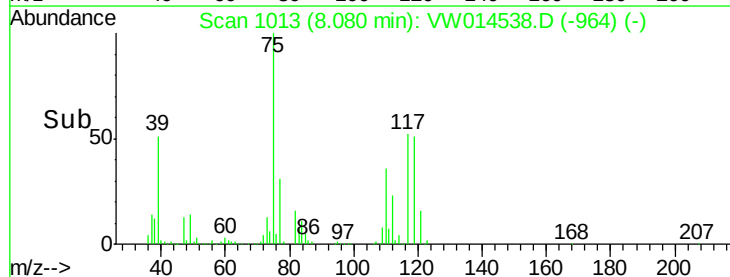
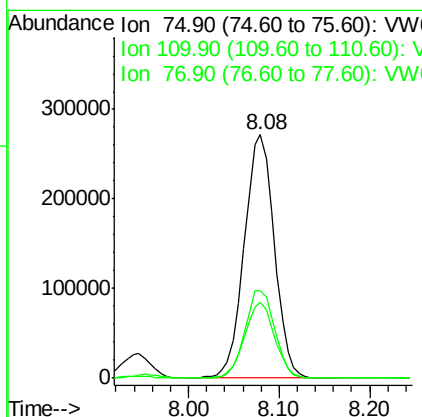
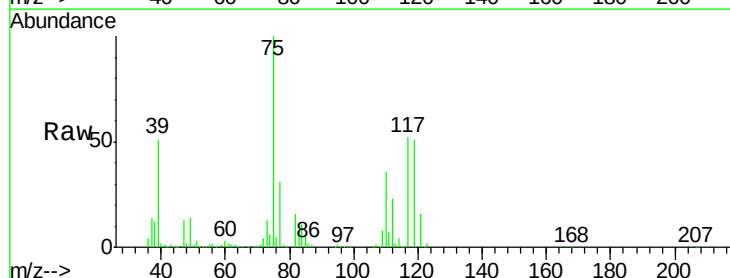
RT: 8.08 min Scan# 1013

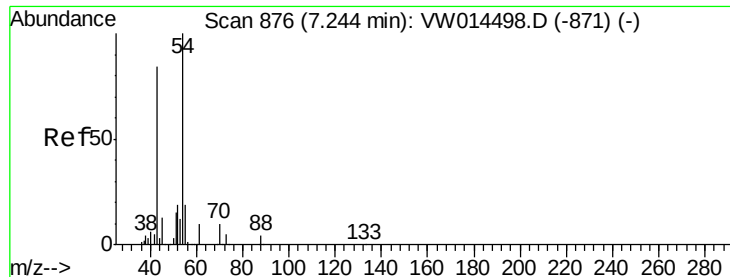
Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Tgt Ion:	75	Resp:	622532
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.5
77	31.0	24.7	37.1





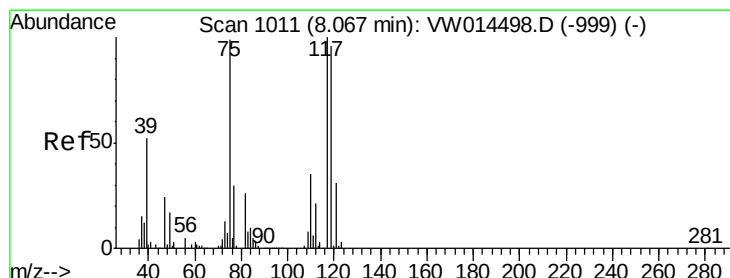
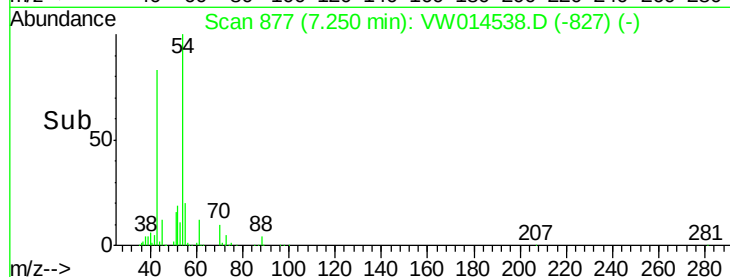
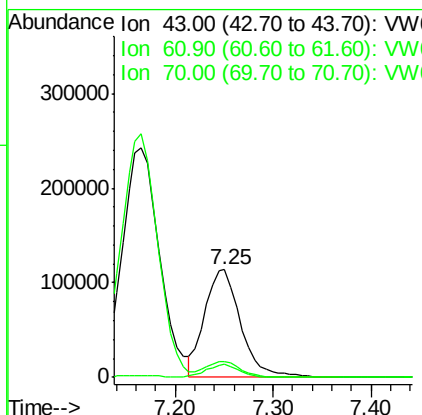
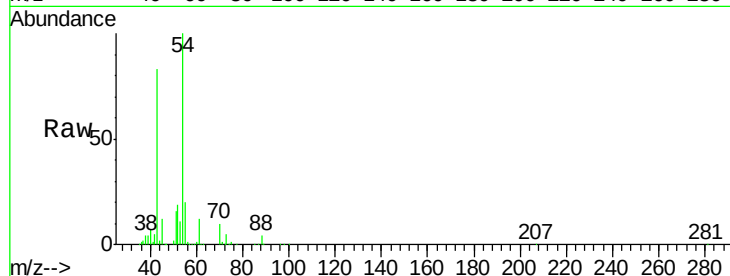
#37
Ethyl Acetate
Concen: 50.087 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	11.2	9.0	13.6

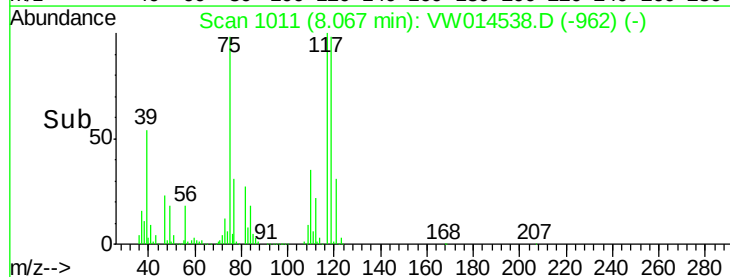
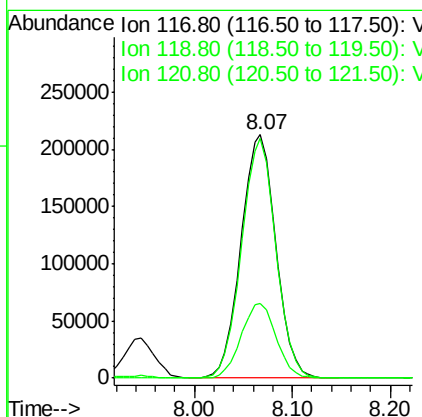
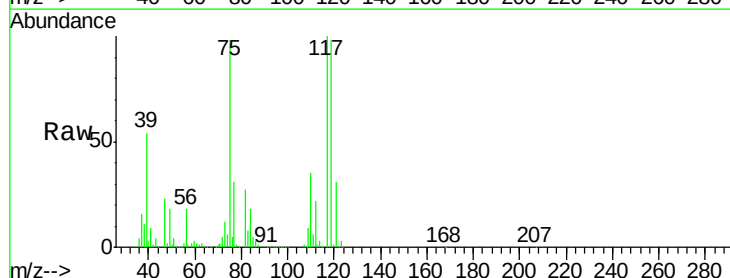
Manual Integrations
APPROVED

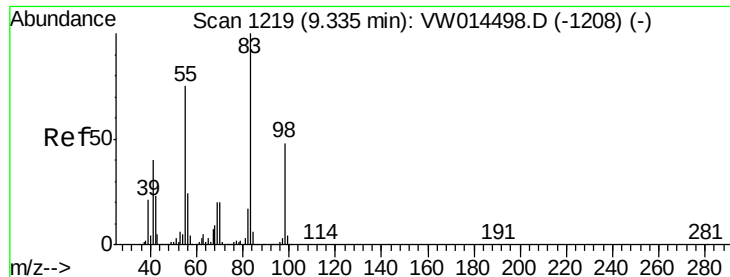
apatel
1/7/2020 2:03:07 PM



#38
Carbon Tetrachloride
Concen: 47.901 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.0	115.6
121	30.6	24.6	36.8





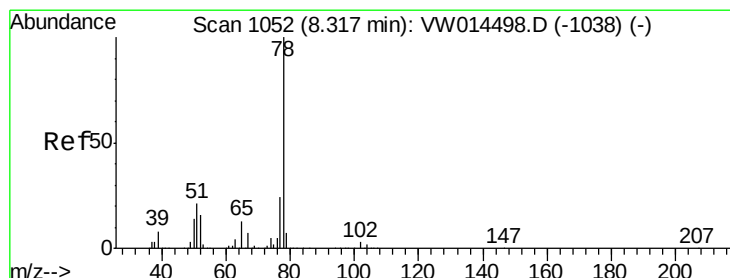
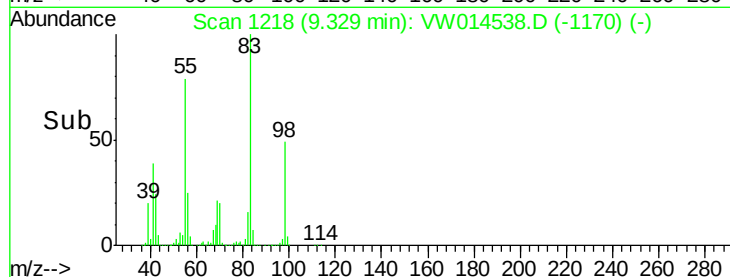
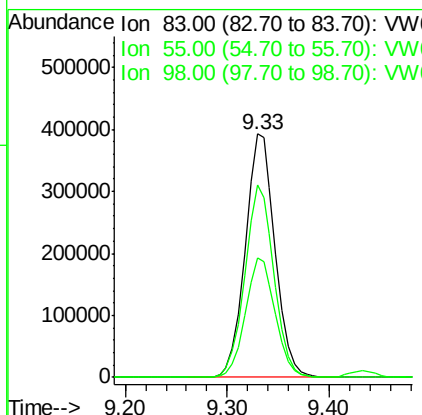
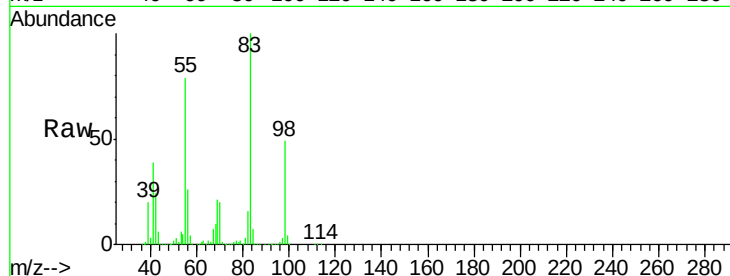
#39
Methylcyclohexane
Concen: 49.007 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.3	60.1	90.1
98	49.0	38.8	58.2

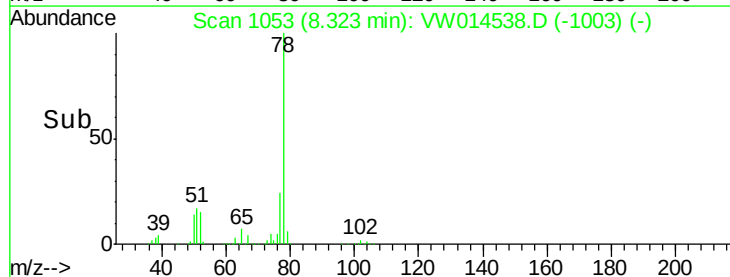
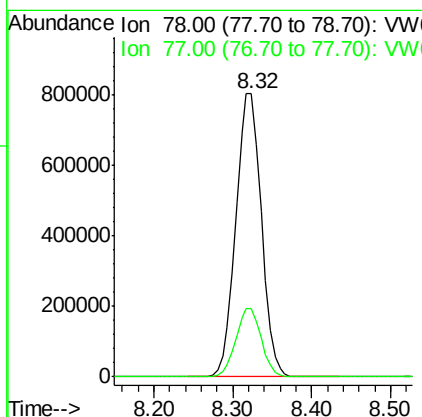
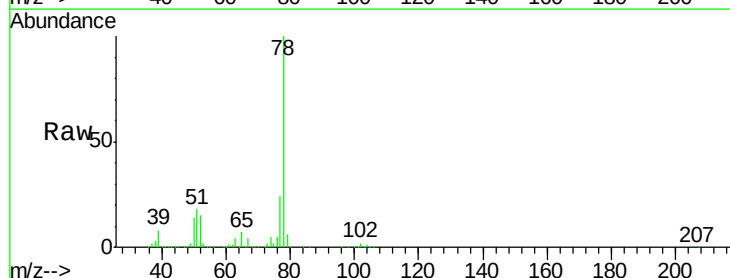
Manual Integrations
APPROVED

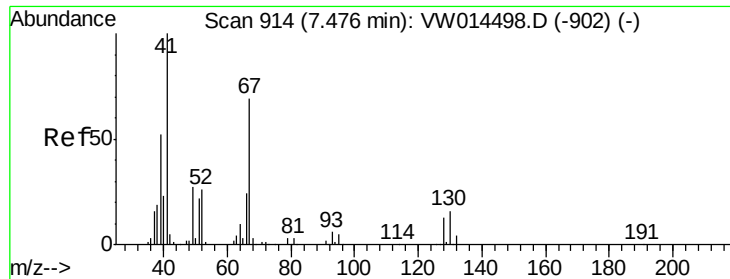
apatel
1/7/2020 2:03:07 PM



#40
Benzene
Concen: 50.637 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





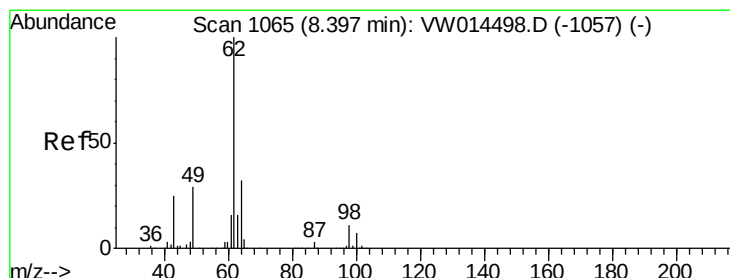
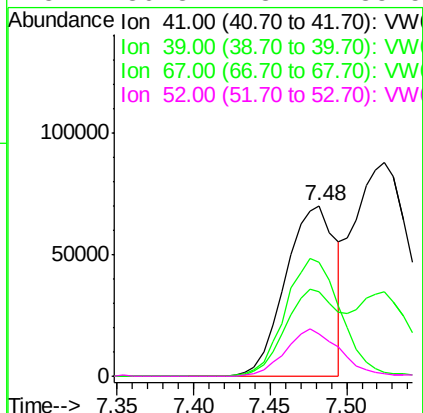
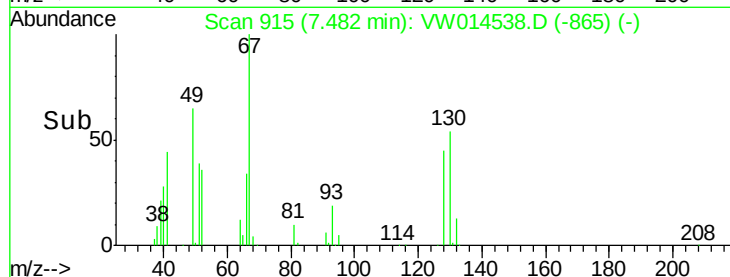
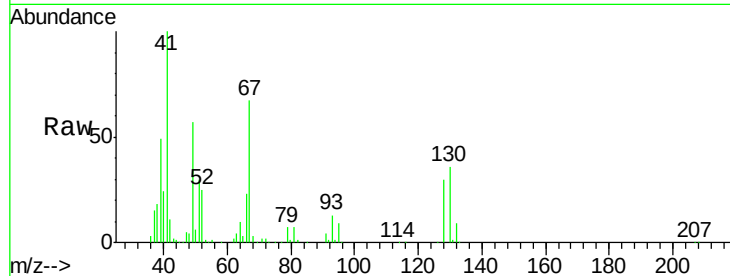
#41
Methacrylonitrile
Concen: 50.089 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.8	46.0	69.0
67	76.8	60.8	91.2
52	30.3	23.7	35.5

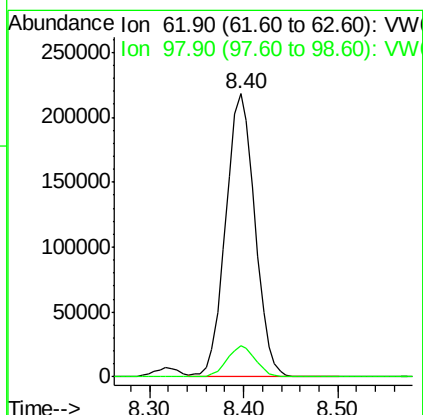
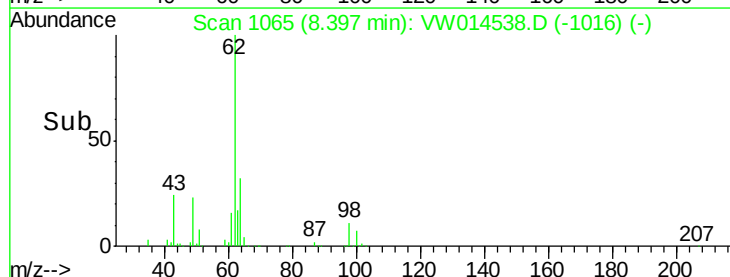
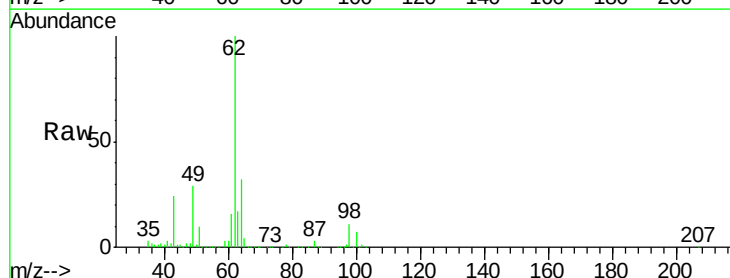
Manual Integrations
APPROVED

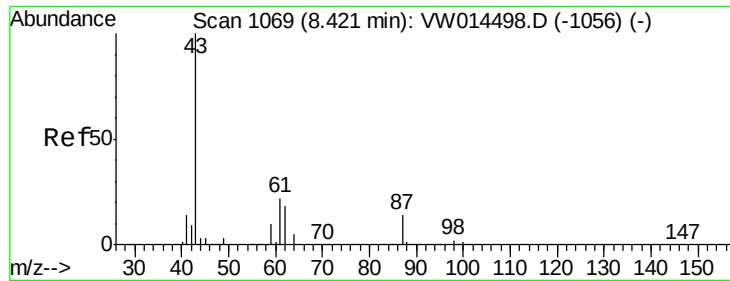
apatel
1/7/2020 2:03:07 PM



#42
1,2-Dichloroethane
Concen: 50.616 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.0





#43

Isopropyl Acetate

Concen: 51.974 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

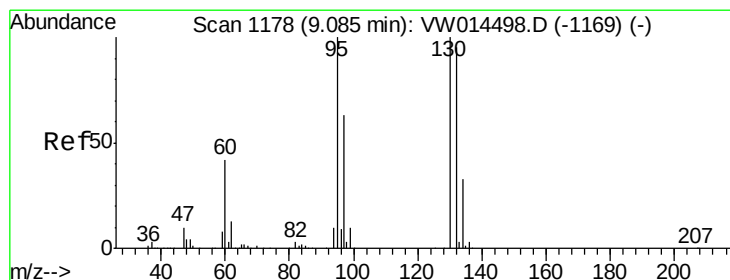
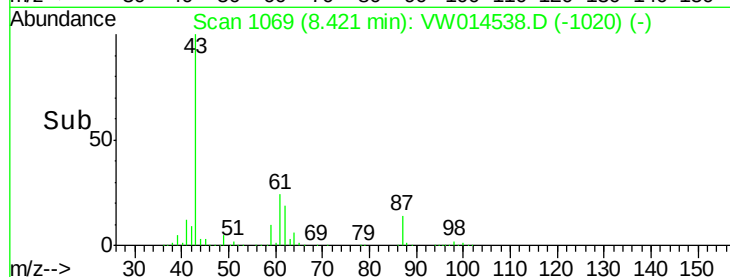
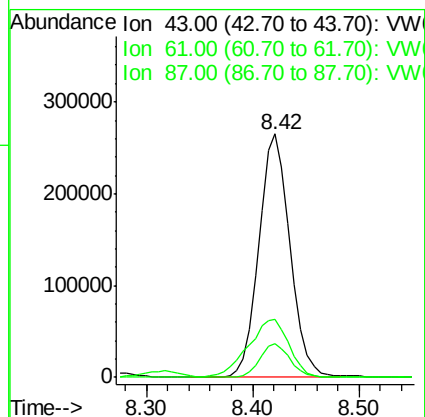
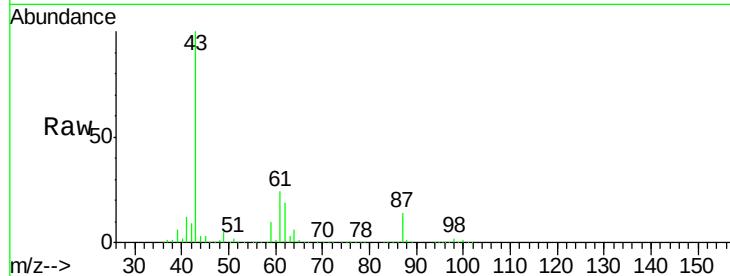
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	540549
Ion Ratio	Lower	Upper	
43	100		
61	31.0	24.7	37.1
87	13.6	11.1	16.7

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



#44

Trichloroethene

Concen: 49.784 ug/l

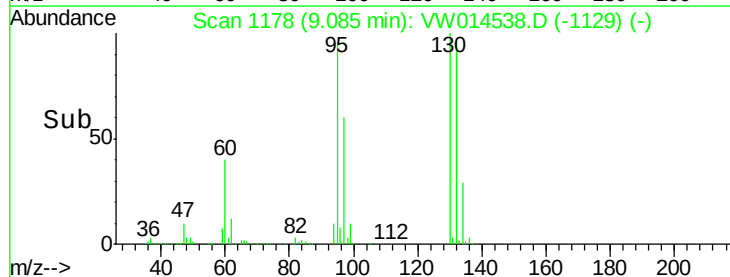
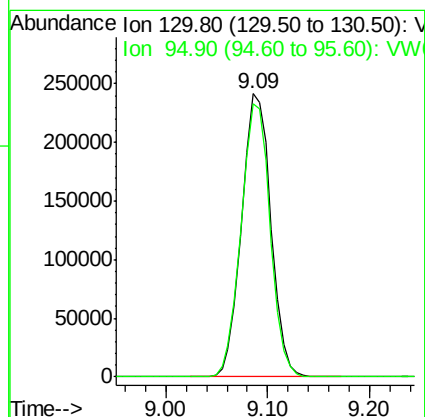
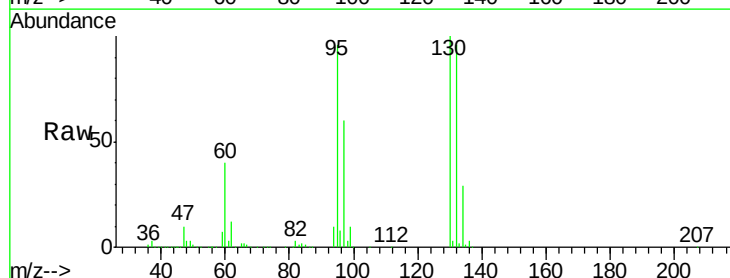
RT: 9.09 min Scan# 1178

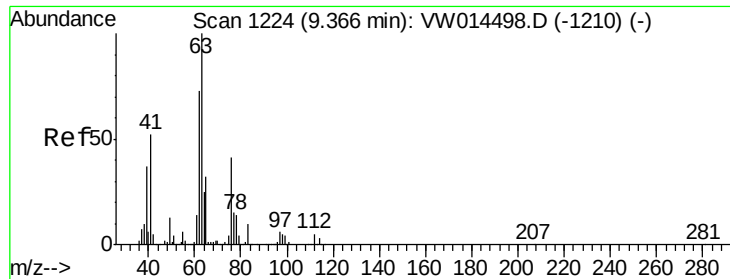
Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Tgt Ion:	130	Resp:	481330
Ion Ratio	Lower	Upper	
130	100		
95	96.4	0.0	199.4





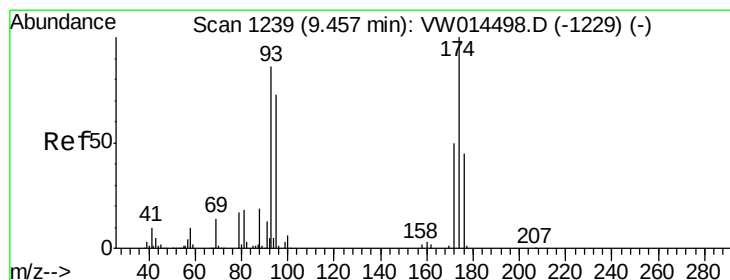
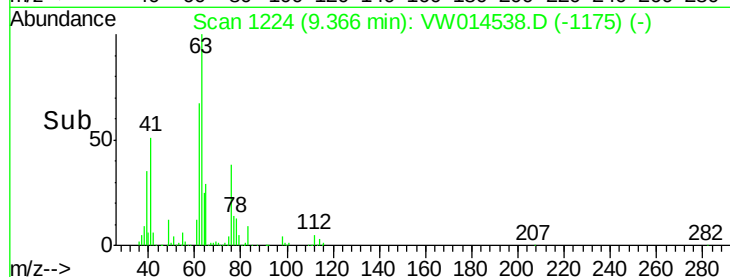
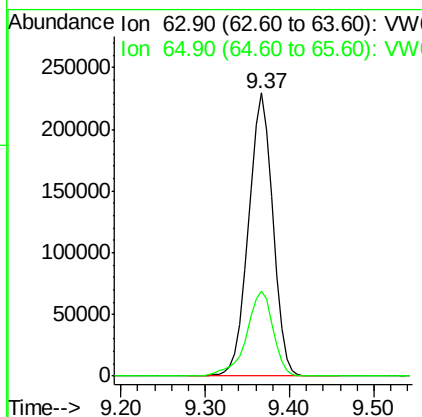
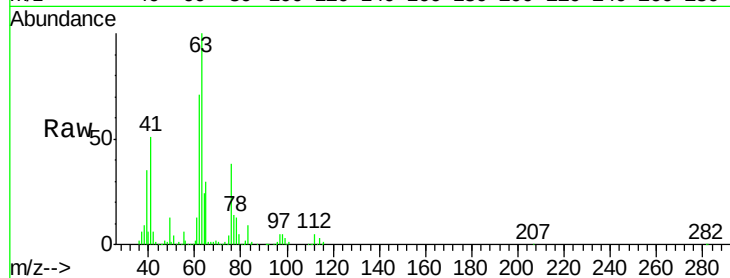
#45
 1,2-Dichloropropane
 Concen: 51.454 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 451144
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.6 38.4

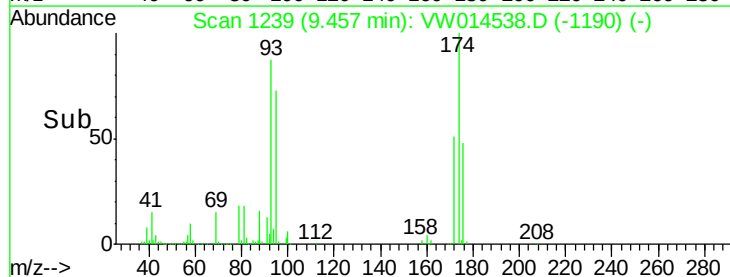
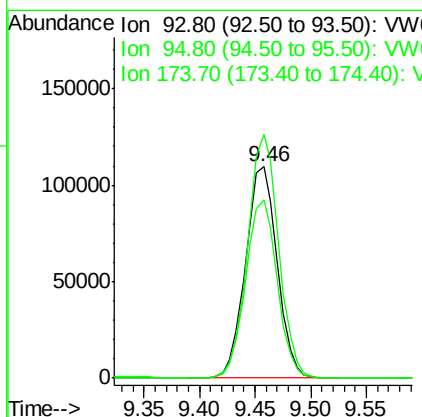
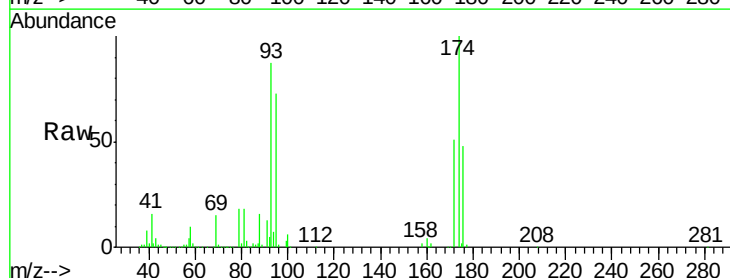
Manual Integrations
 APPROVED

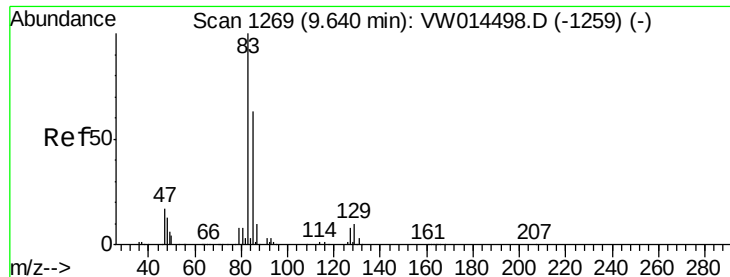
apatel
 1/7/2020 2:03:07 PM



#46
 Dibromomethane
 Concen: 50.096 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion: 93 Resp: 216837
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.4 99.6
 174 112.7 89.1 133.7





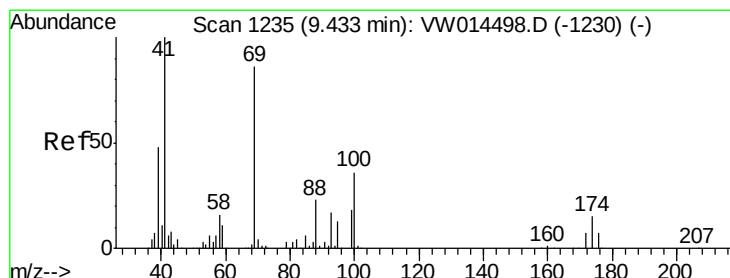
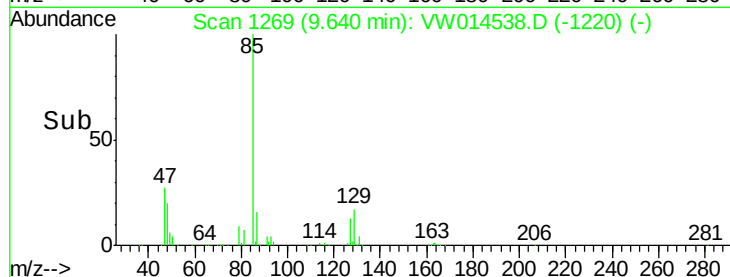
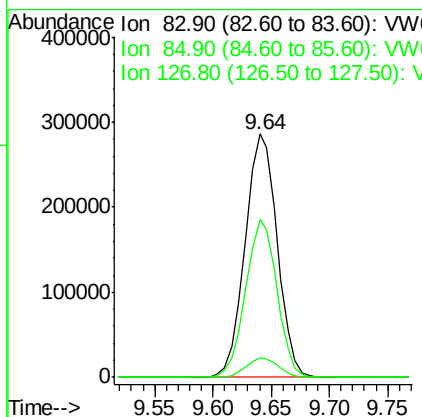
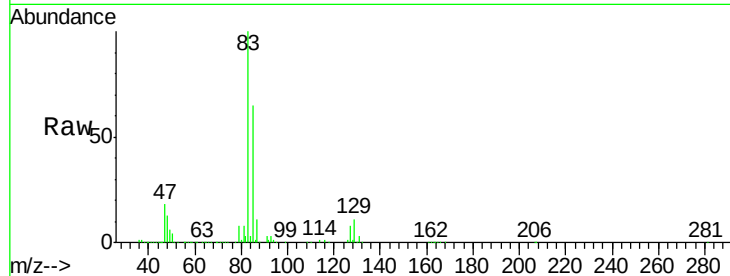
#47
Bromodichloromethane
Concen: 51.588 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	76.0
127	8.1	6.6	9.8

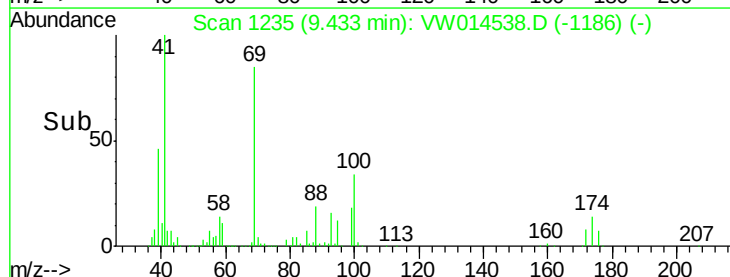
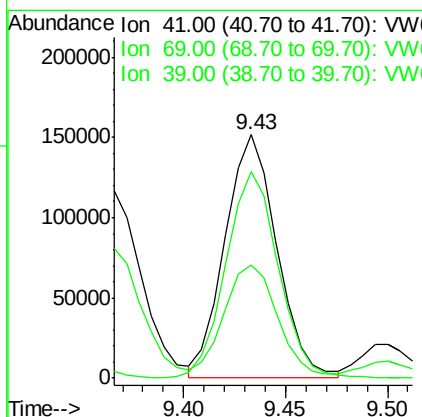
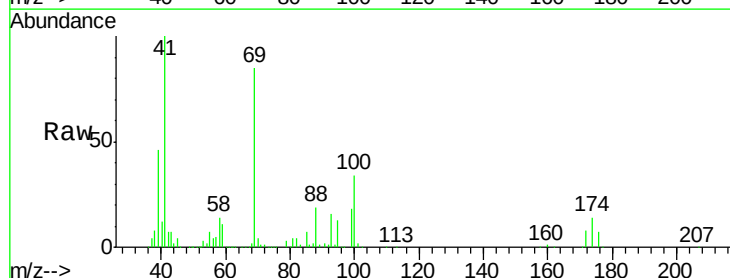
Manual Integrations
APPROVED

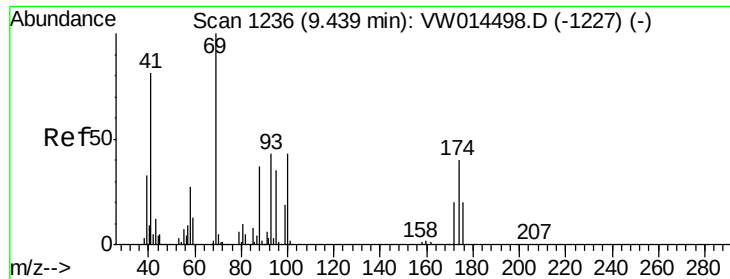
apatel
1/7/2020 2:03:07 PM



#48
Methyl methacrylate
Concen: 52.462 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.6	68.3	102.5
39	44.8	36.8	55.2





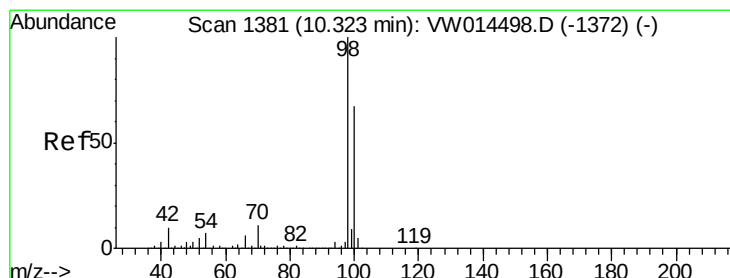
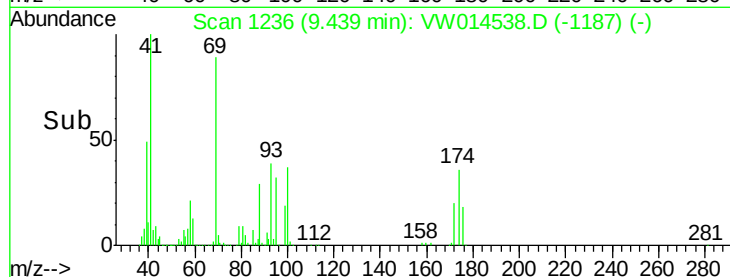
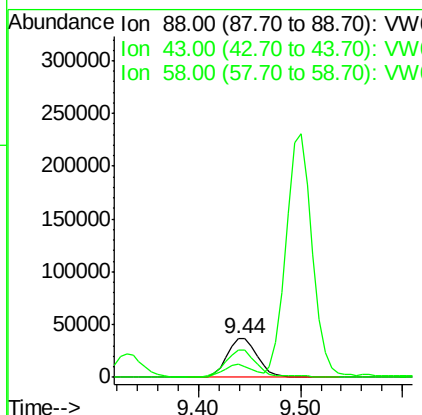
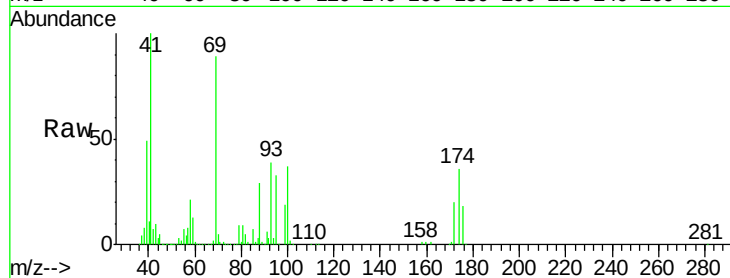
#49
1,4-Dioxane
Concen: 926.526 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.9	37.3
58	74.7	56.9	85.3

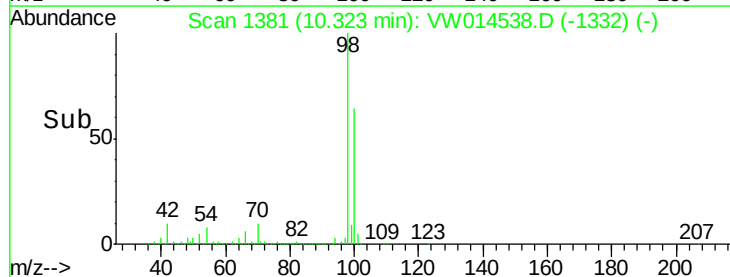
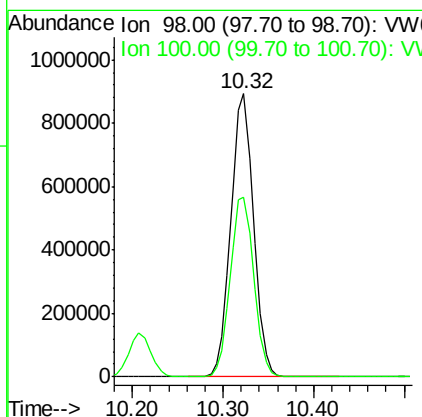
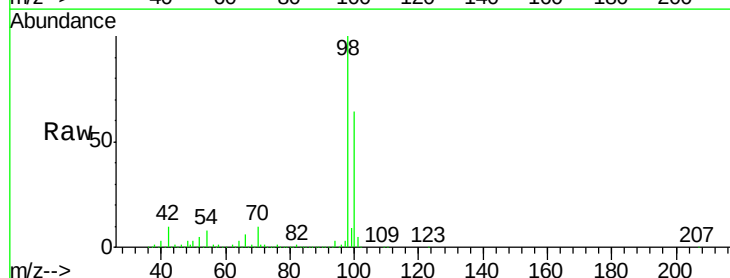
Manual Integrations
APPROVED

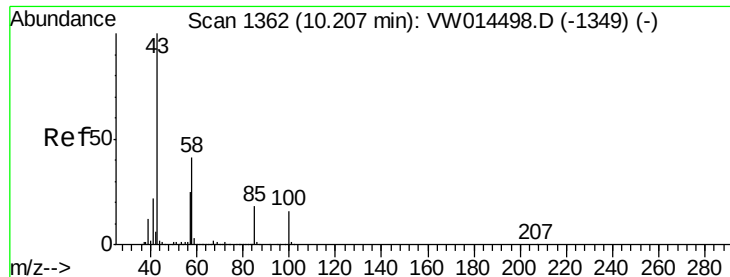
apatel
1/7/2020 2:03:07 PM



#50
Toluene-d8
Concen: 49.675 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.8	80.6





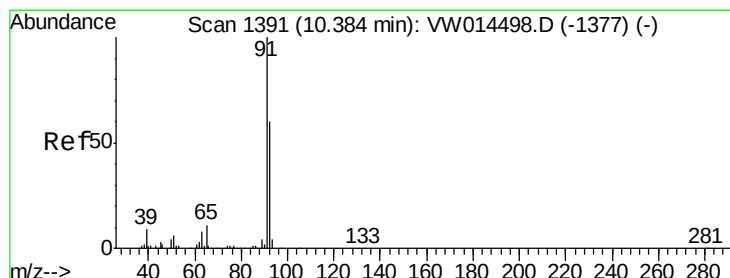
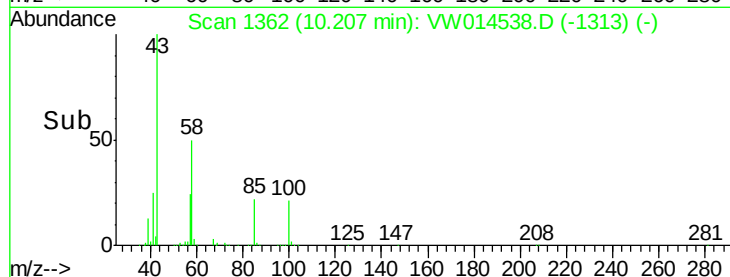
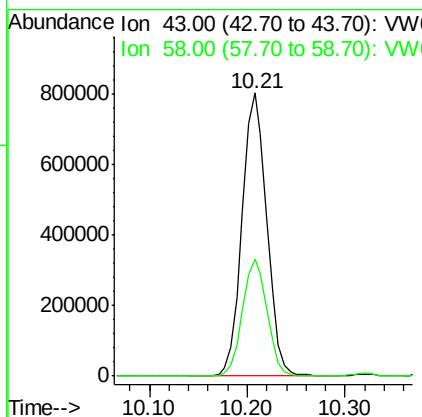
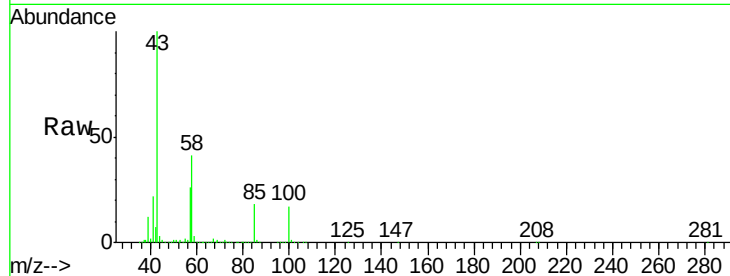
#51
 4-Methyl-2-Pentanone
 Concen: 260.145 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1405028
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.7 49.1

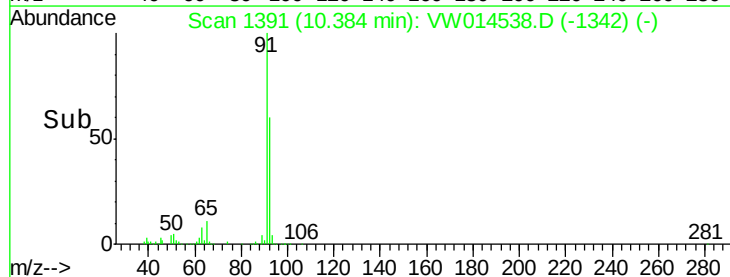
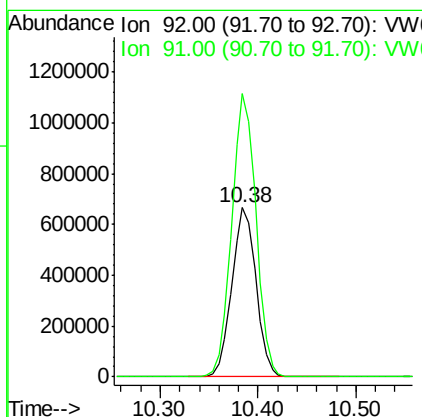
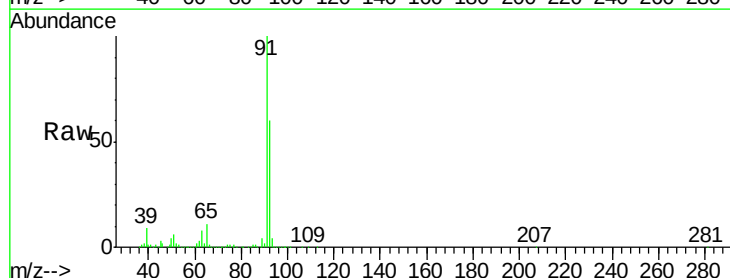
Manual Integrations
 APPROVED

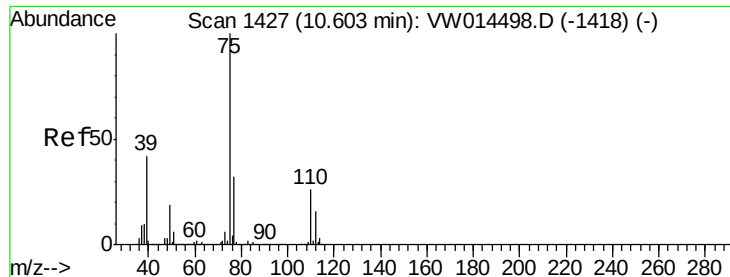
apatel
 1/7/2020 2:03:07 PM



#52
 Toluene
 Concen: 50.734 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion: 92 Resp: 1140417
 Ion Ratio Lower Upper
 92 100
 91 168.1 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 50.431 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 557992

Ion Ratio Lower Upper

75 100

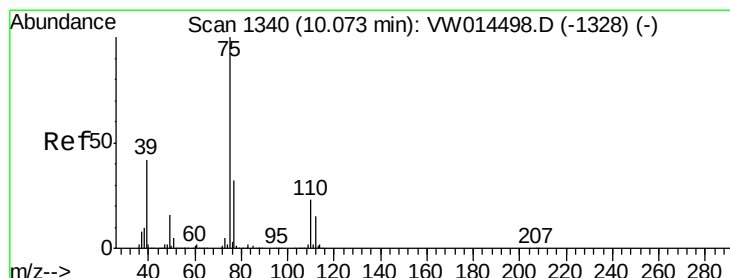
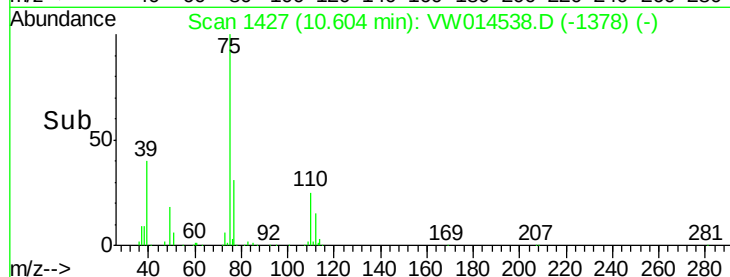
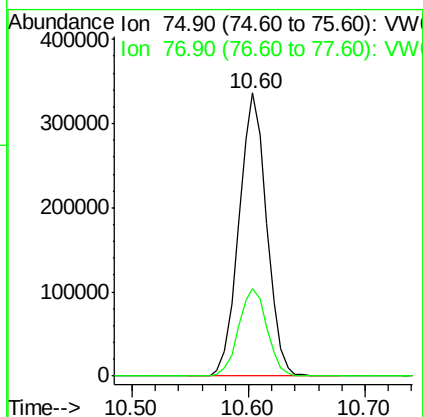
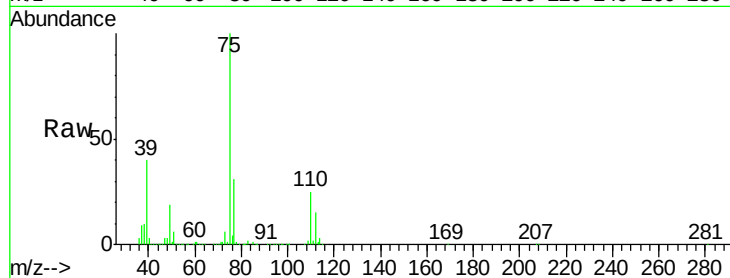
77 31.0 25.4 38.2

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#54

cis-1,3-Dichloropropene

Concen: 50.643 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

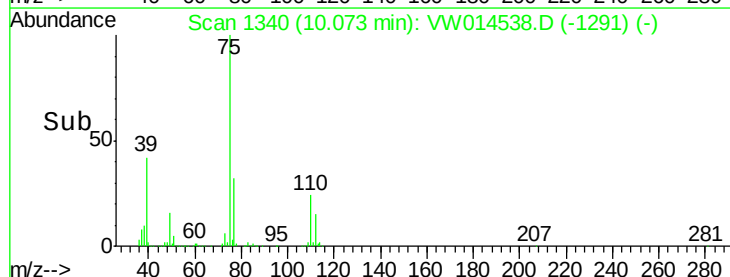
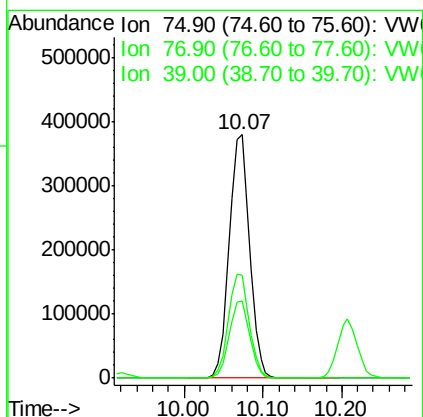
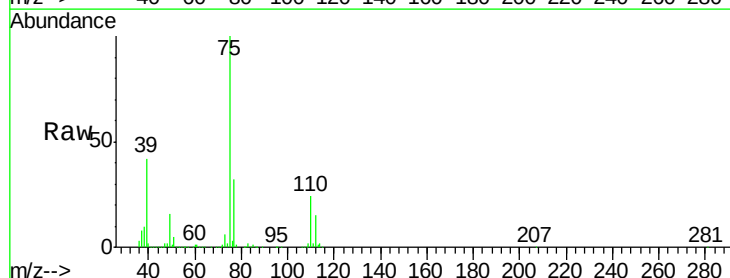
Tgt Ion: 75 Resp: 684834

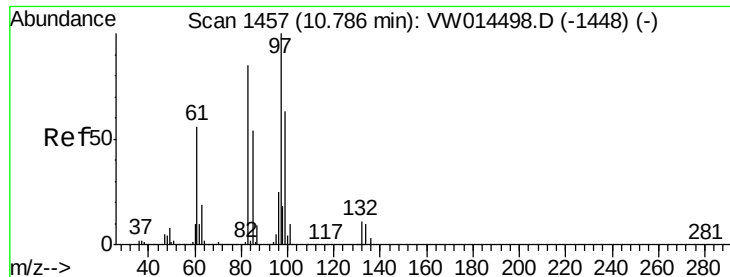
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 42.3 33.4 50.2





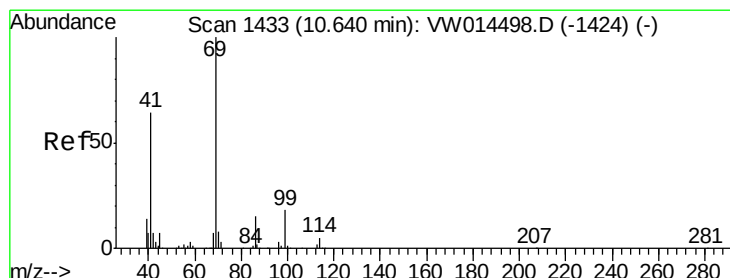
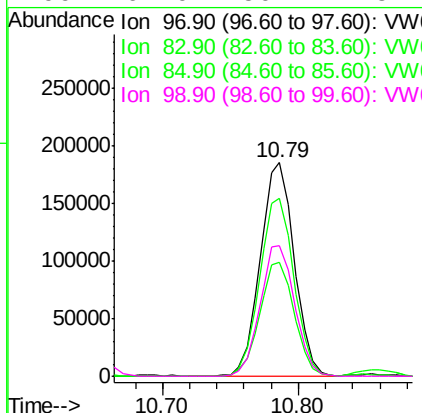
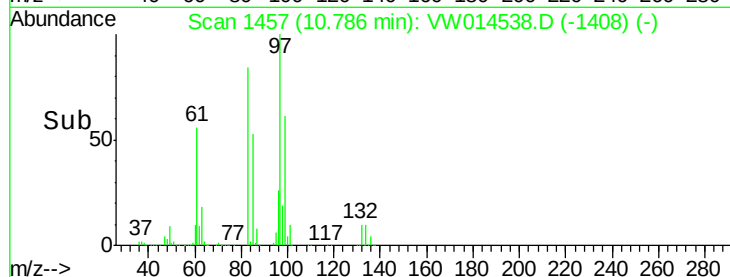
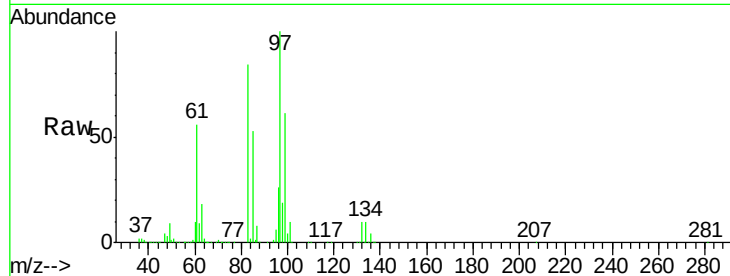
#55
 1,1,2-Trichloroethane
 Concen: 51.393 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	324887
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.2	102.4
85	53.4	43.0	64.4
99	61.0	50.1	75.1

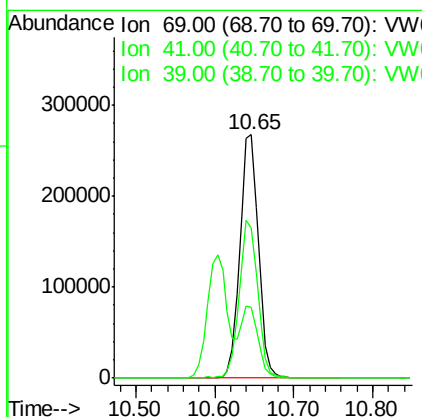
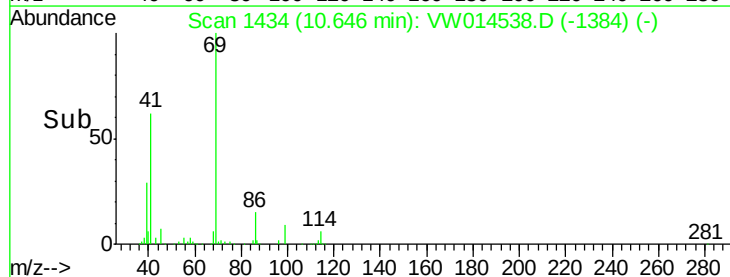
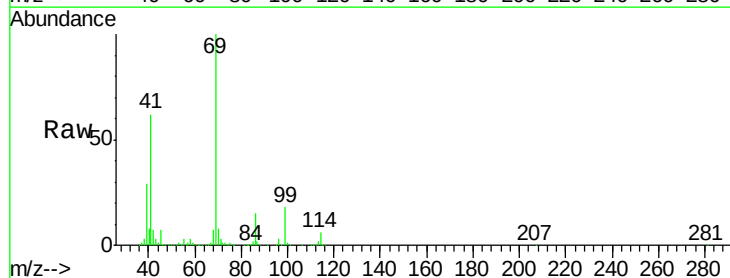
Manual Integrations
 APPROVED

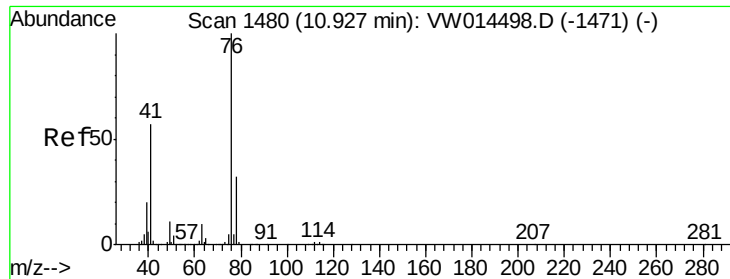
apatel
 1/7/2020 2:03:07 PM



#56
 Ethyl methacrylate
 Concen: 53.293 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion:	69	Resp:	437829
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.3	76.9
39	26.3	21.0	31.6





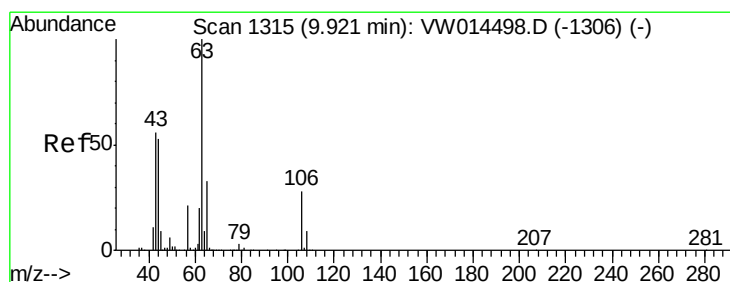
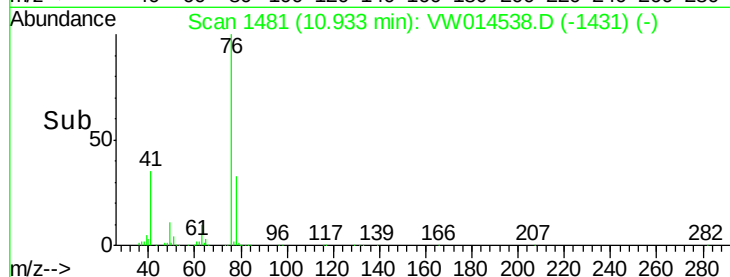
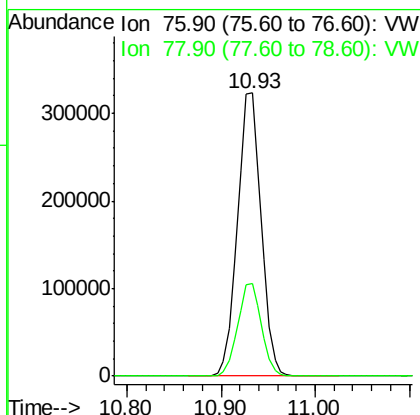
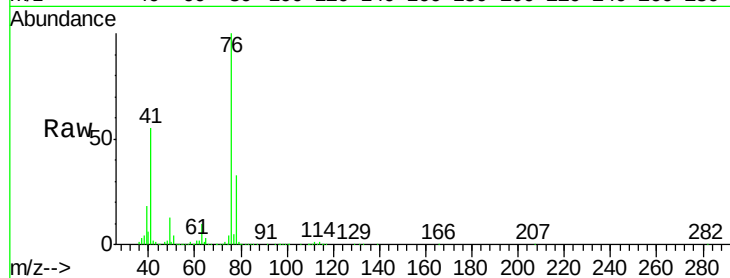
#57
 1,3-Dichloropropane
 Concen: 50.661 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 562865
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9

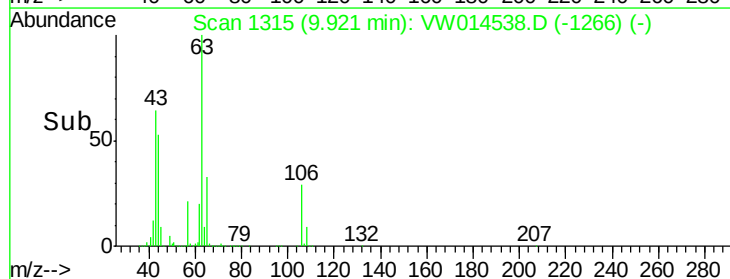
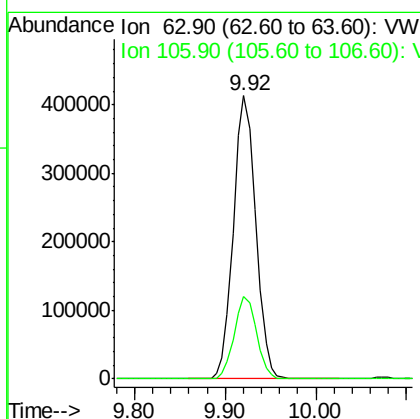
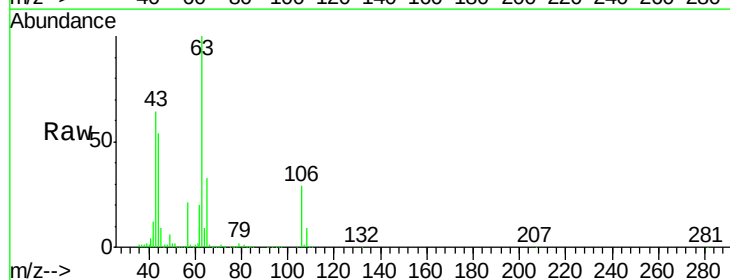
Manual Integrations
 APPROVED

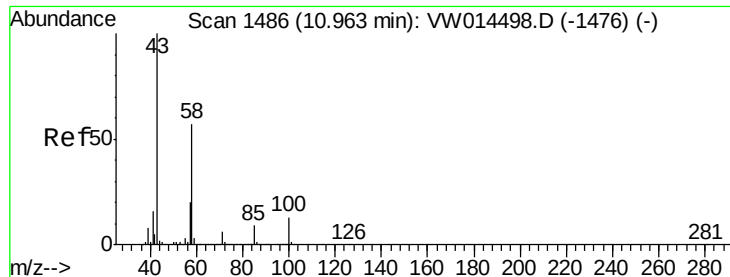
apatel
 1/7/2020 2:03:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.318 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion: 63 Resp: 707906
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.0 34.6





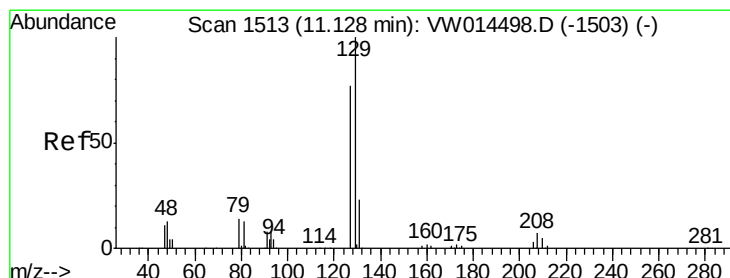
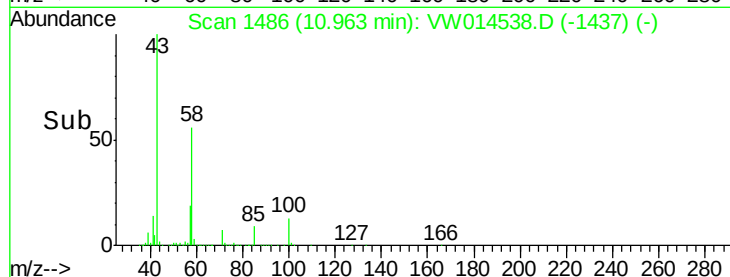
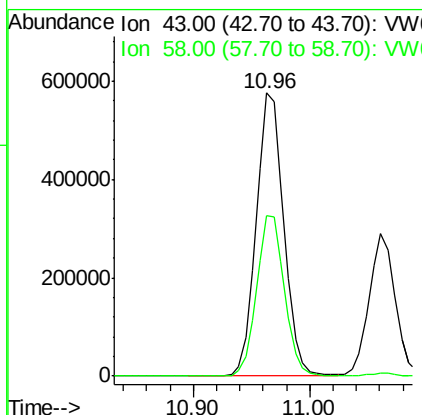
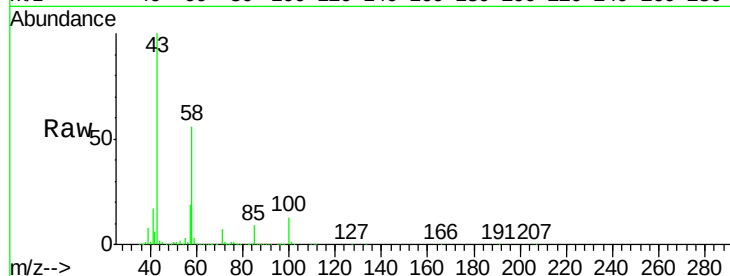
#59
2-Hexanone
Concen: 254.490 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 947142
Ion Ratio Lower Upper
43 100
58 57.0 28.7 86.3

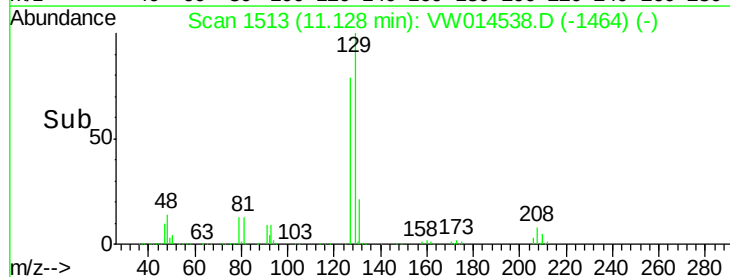
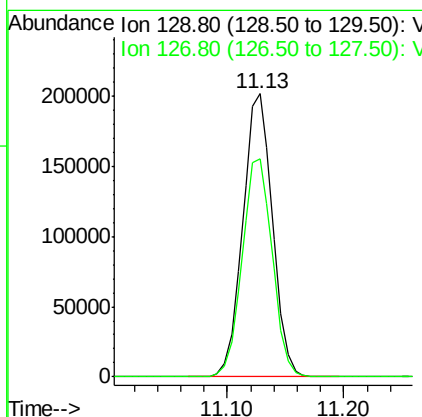
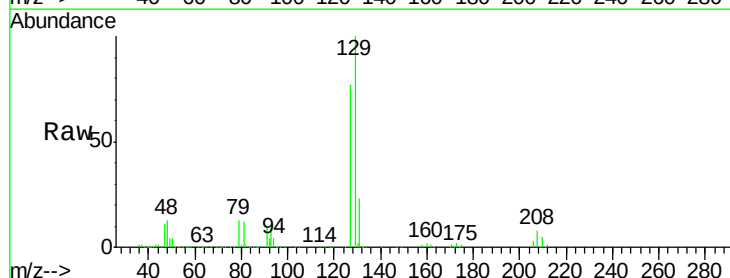
Manual Integrations
APPROVED

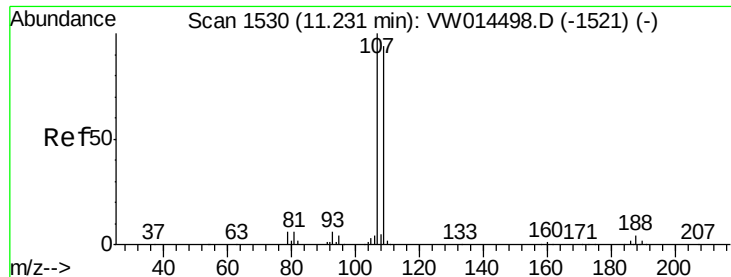
apatel
1/7/2020 2:03:07 PM



#60
Dibromochloromethane
Concen: 50.097 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion: 129 Resp: 357323
Ion Ratio Lower Upper
129 100
127 78.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 50.347 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 302118

Ion Ratio Lower Upper

107 100

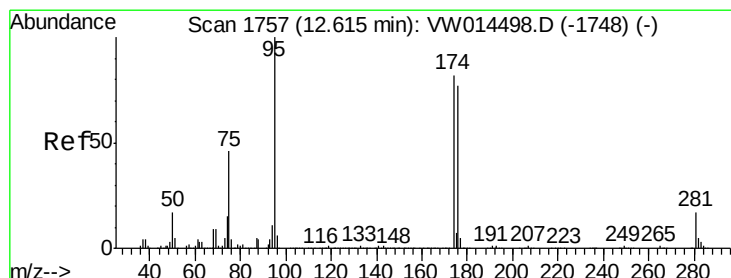
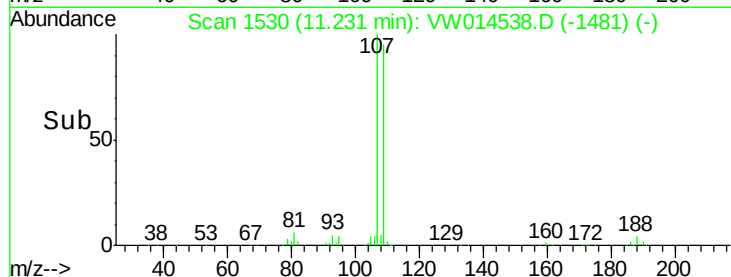
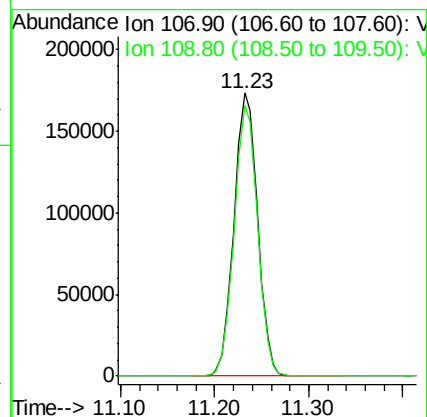
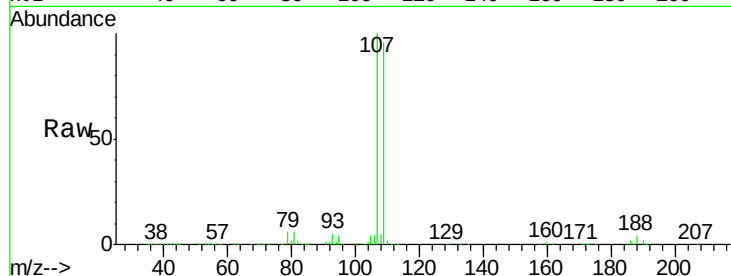
109 95.1 75.1 112.7

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#62

4-Bromofluorobenzene

Concen: 48.282 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

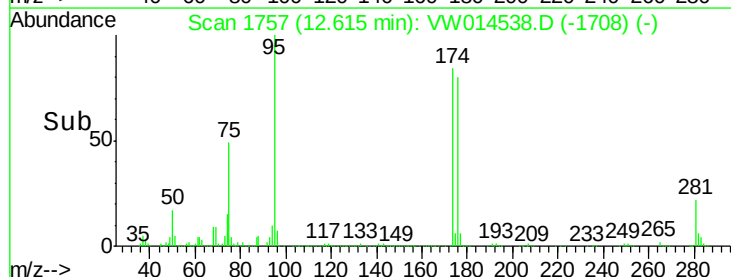
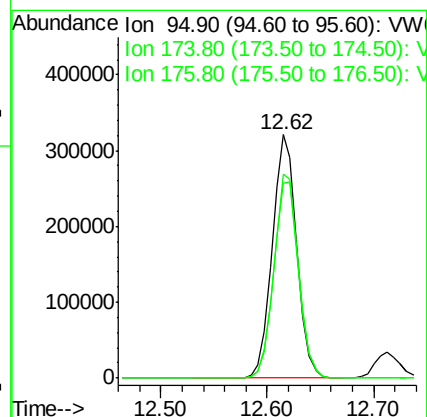
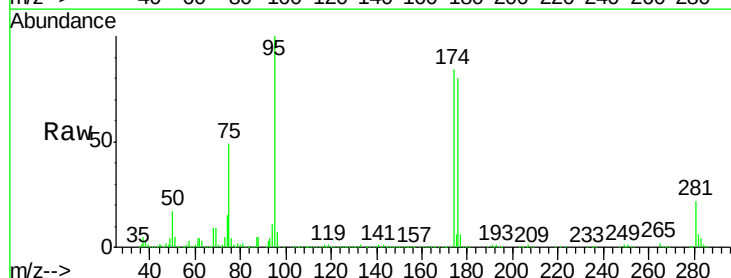
Tgt Ion: 95 Resp: 511665

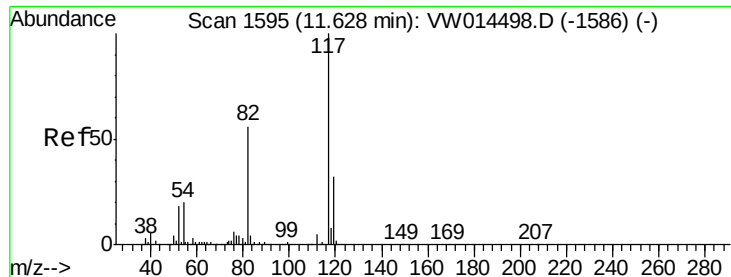
Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.6

176 82.3 0.0 162.0





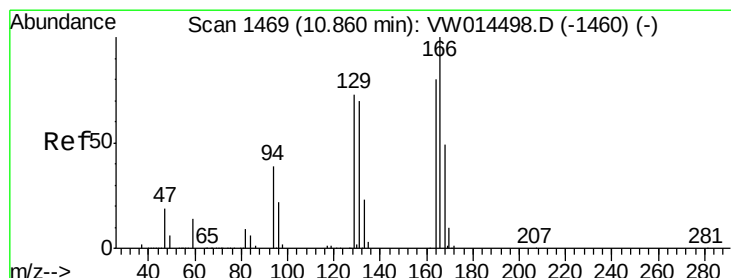
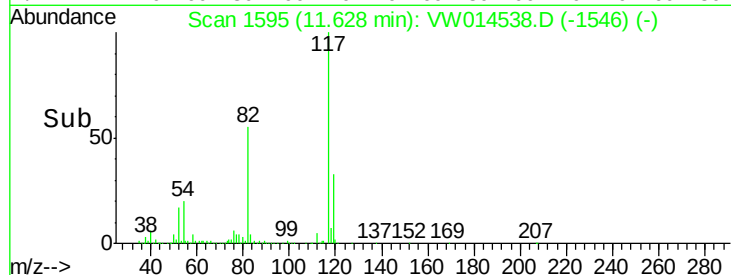
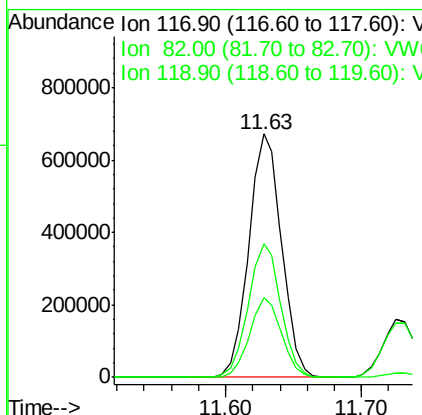
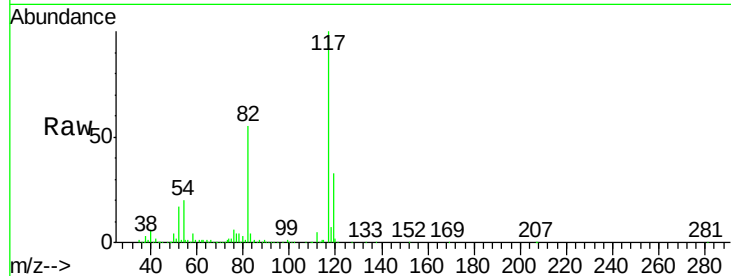
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1133169
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 32.8 25.7 38.5

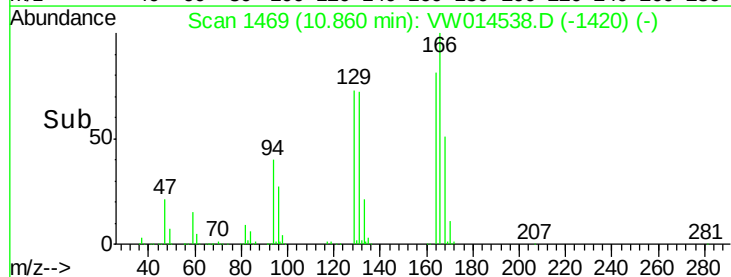
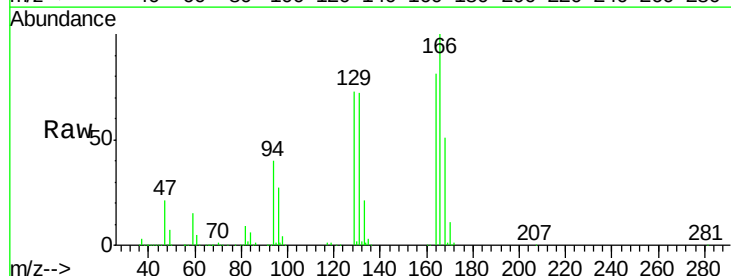
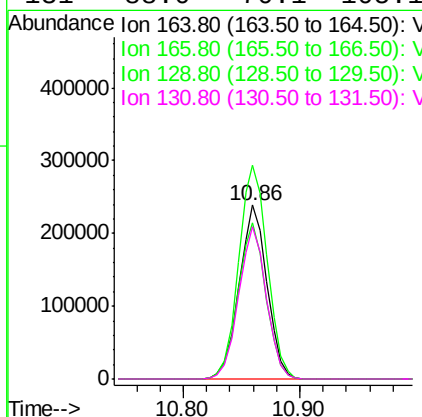
Manual Integrations
APPROVED

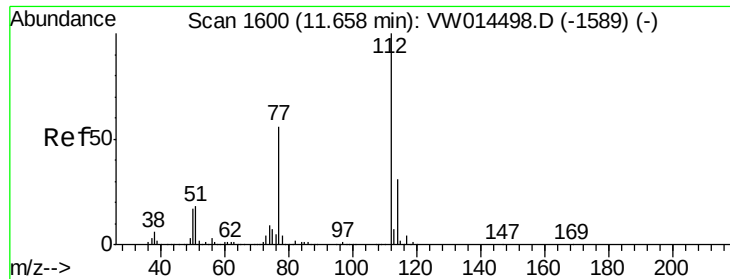
apatel
1/7/2020 2:03:07 PM



#64
Tetrachloroethene
Concen: 48.317 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion:164 Resp: 396384
Ion Ratio Lower Upper
164 100
166 123.1 99.8 149.6
129 89.7 72.4 108.6
131 88.0 70.1 105.1





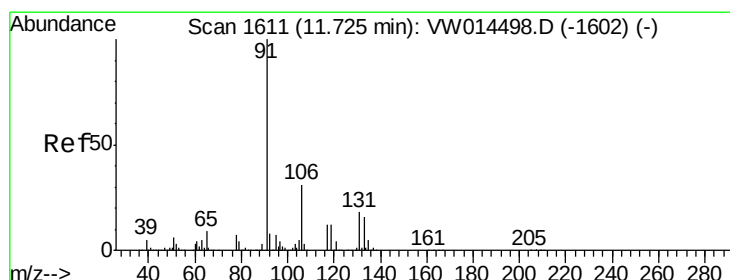
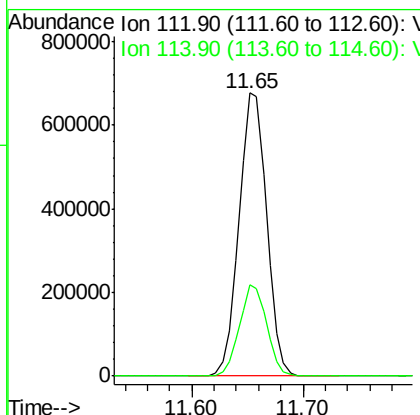
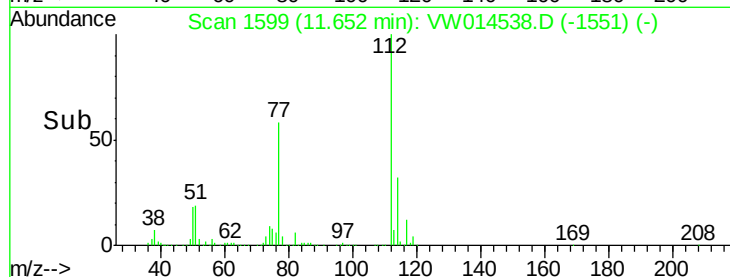
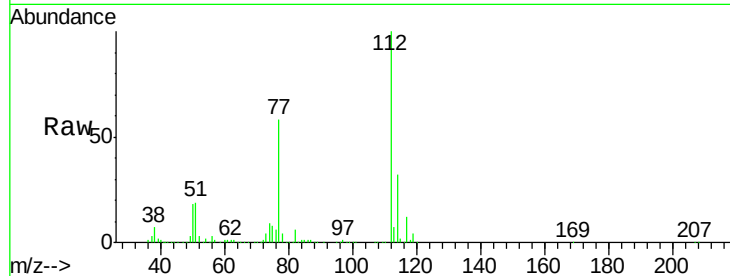
#65
Chlorobenzene
Concen: 50.208 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 1165593
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0

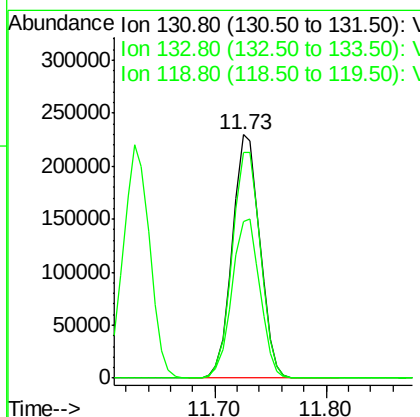
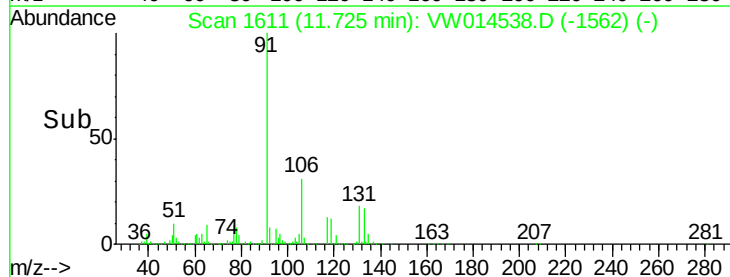
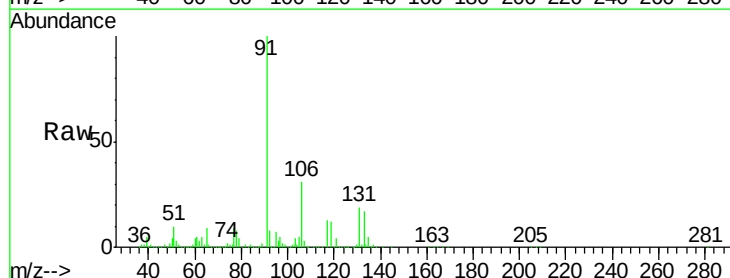
Manual Integrations
APPROVED

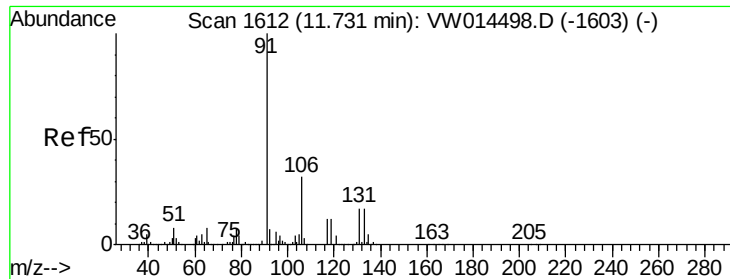
apatel
1/7/2020 2:03:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.295 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion:131 Resp: 393131
Ion Ratio Lower Upper
131 100
133 95.4 47.3 142.0
119 66.7 33.1 99.3





#67

Ethyl Benzene

Concen: 49.869 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2086364

Ion Ratio Lower Upper

91 100

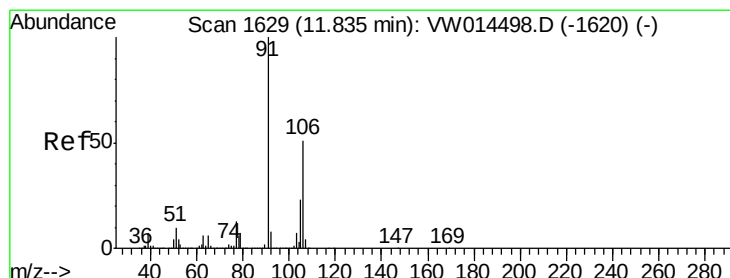
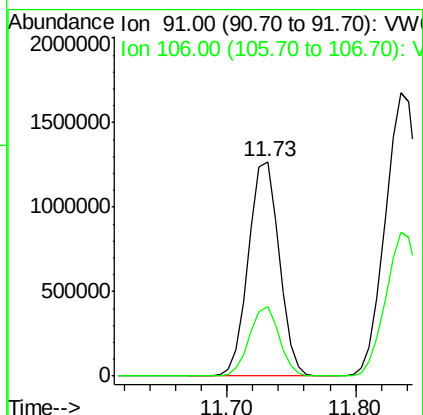
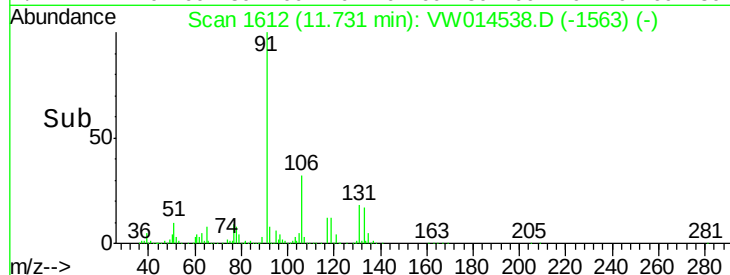
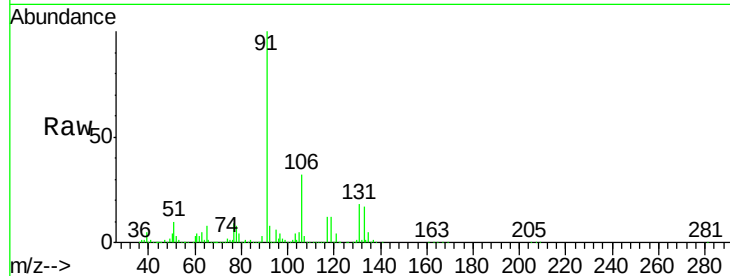
106 32.4 25.5 38.3

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



#68

m/p-Xylenes

Concen: 100.659 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014538.D

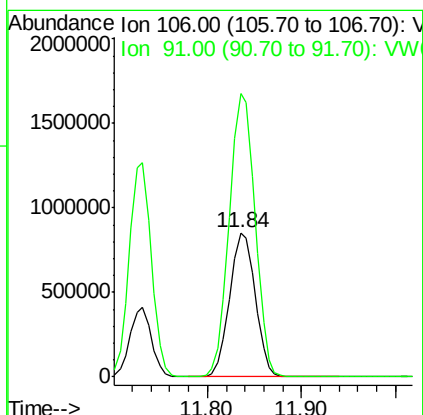
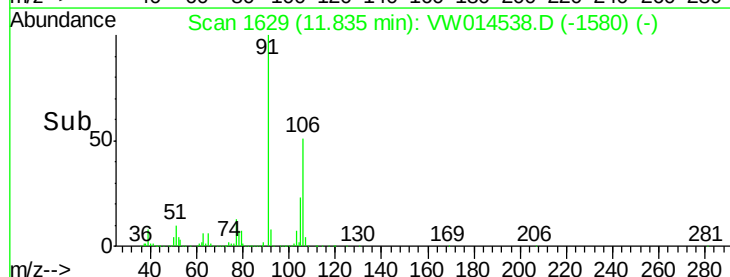
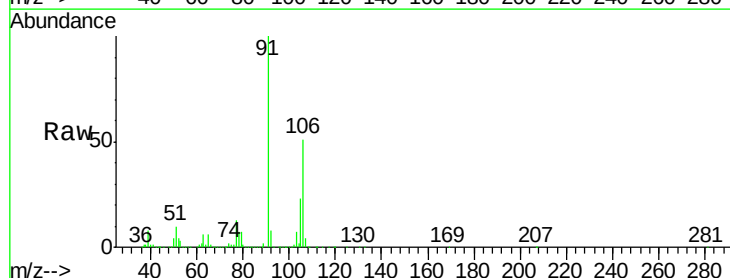
Acq: 06 Jan 2020 21:36

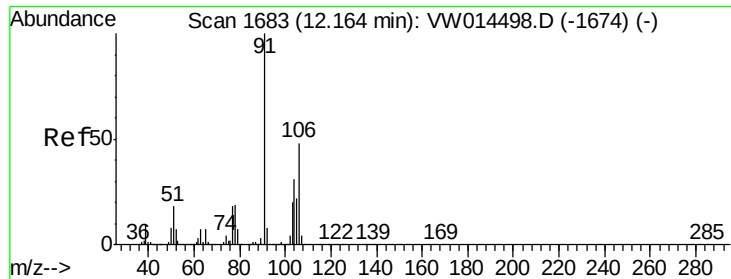
Tgt Ion: 106 Resp: 1611769

Ion Ratio Lower Upper

106 100

91 197.7 159.0 238.6





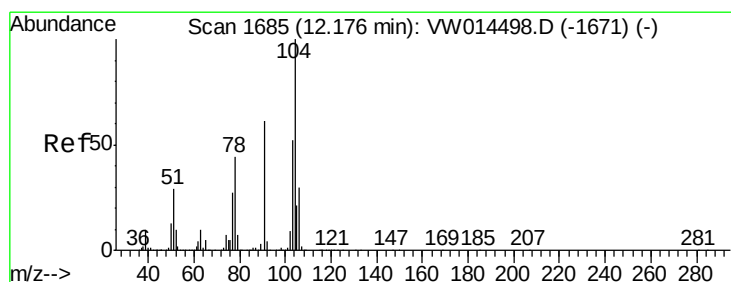
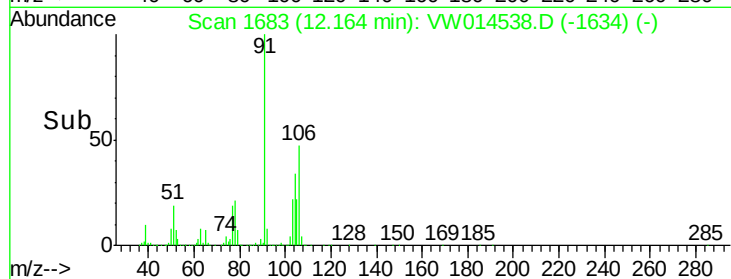
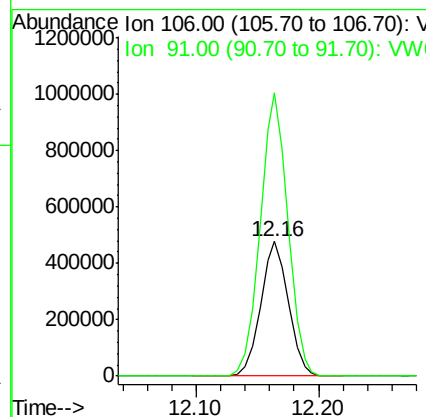
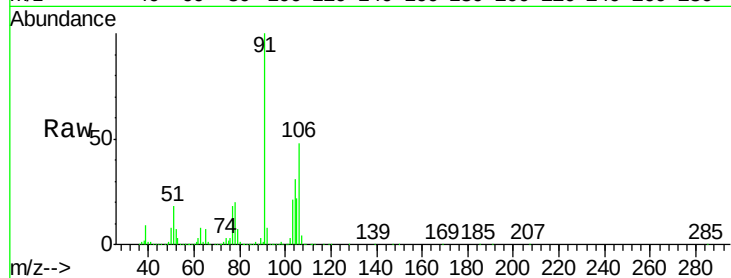
#69
o-Xylene
Concen: 50.733 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 750371
Ion Ratio Lower Upper
106 100
91 210.1 105.2 315.6

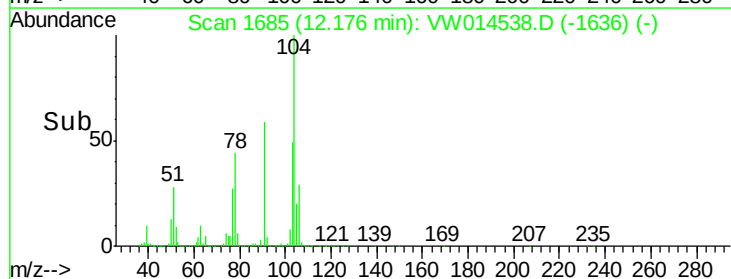
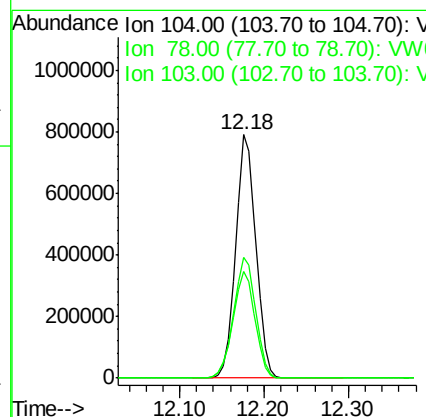
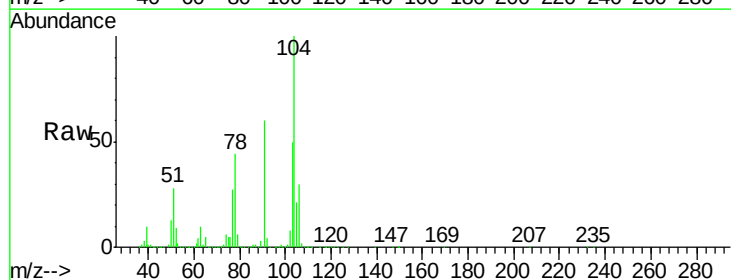
Manual Integrations
APPROVED

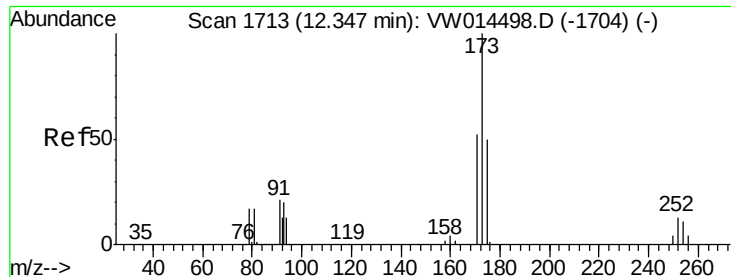
apatel
1/7/2020 2:03:07 PM



#70
Styrene
Concen: 51.179 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion:104 Resp: 1280338
Ion Ratio Lower Upper
104 100
78 48.3 38.4 57.6
103 54.7 43.7 65.5





#71

Bromoform

Concen: 49.596 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

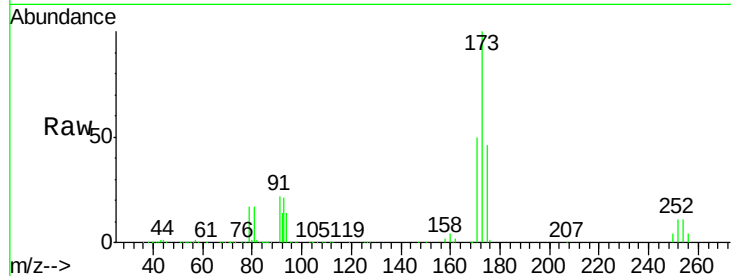
ClientSampleId :

VSTDCCC050EC

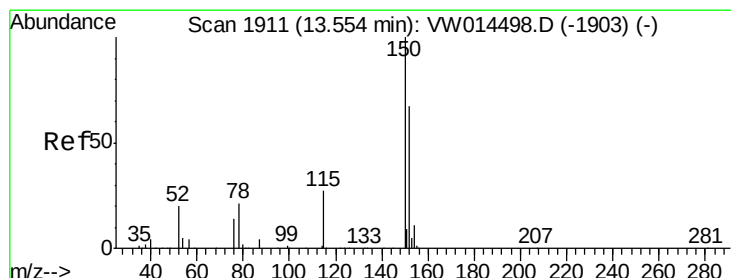
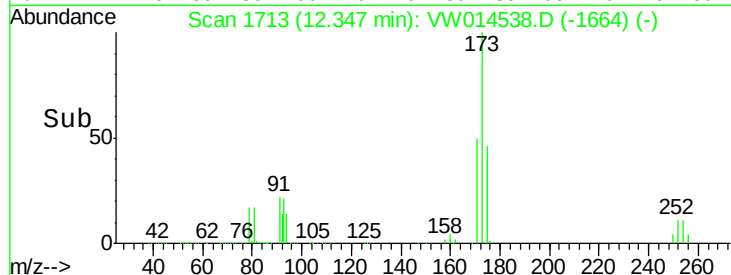
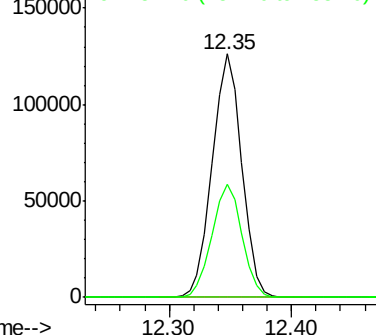
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.5	73.5
254	0.1	0.0	0.0

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

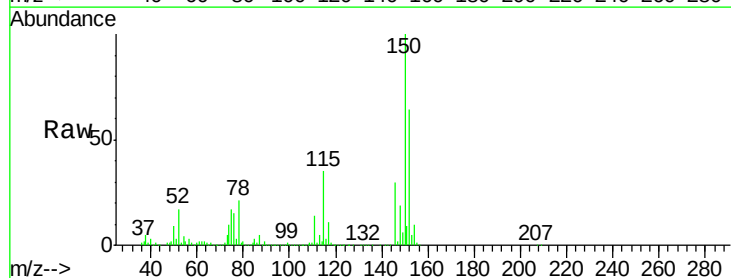
RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

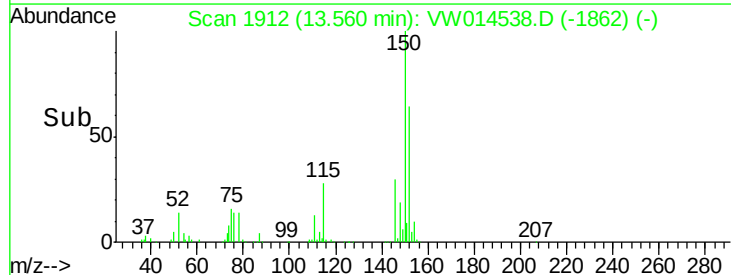
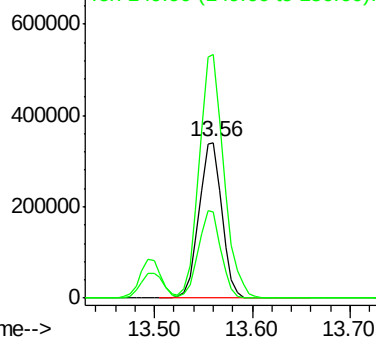
Lab File: VW014538.D

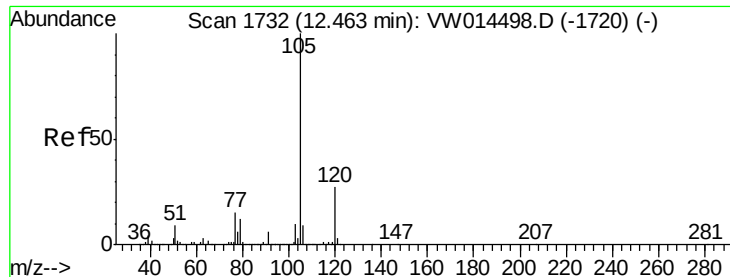
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.7	83.1
150	169.4	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.487 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2038209

Ion Ratio Lower Upper

105 100

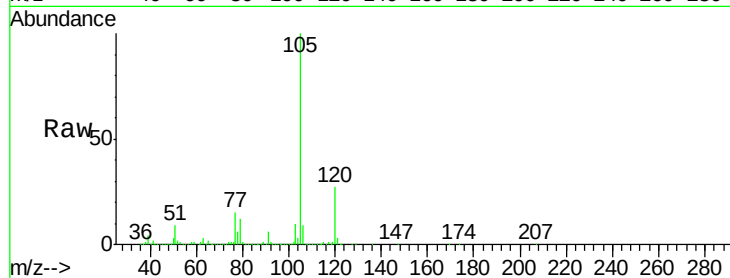
120 26.9 13.4 40.1

Manual Integrations

APPROVED

apatel

1/7/2020 2:03:07 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

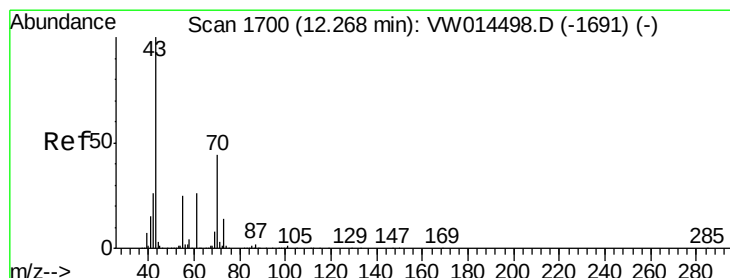
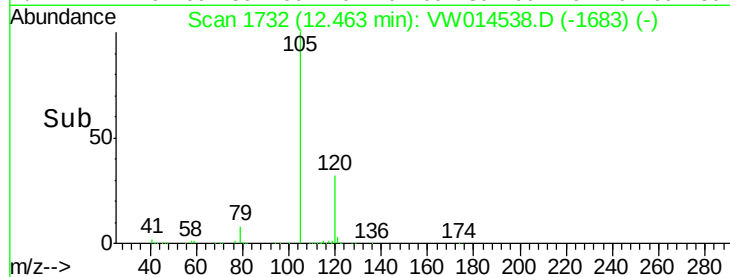
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 52.409 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Tgt Ion: 43 Resp: 474403

Ion Ratio Lower Upper

43 100

70 45.9 36.5 54.7

55 25.2 20.9 31.3

61 25.8 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

400000

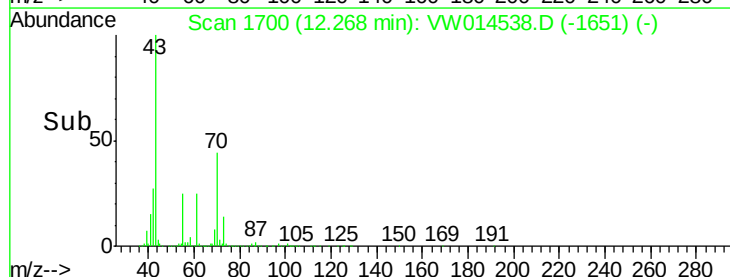
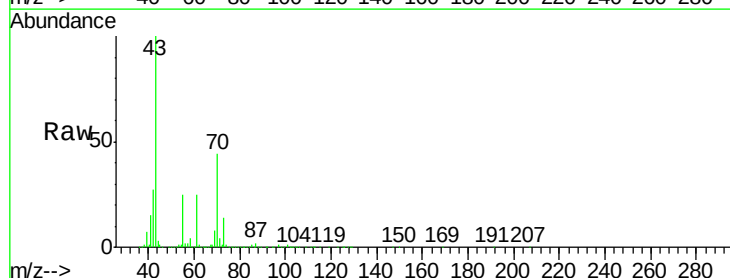
300000

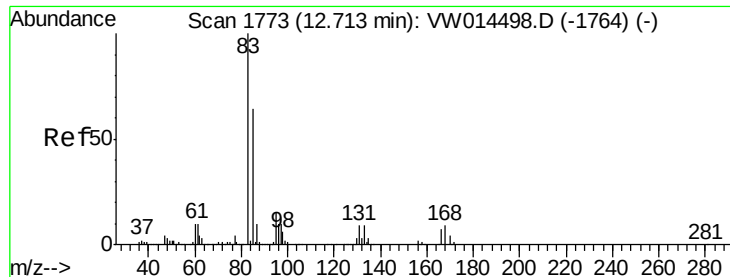
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.809 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

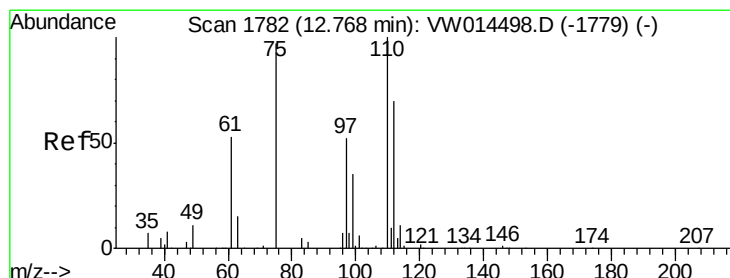
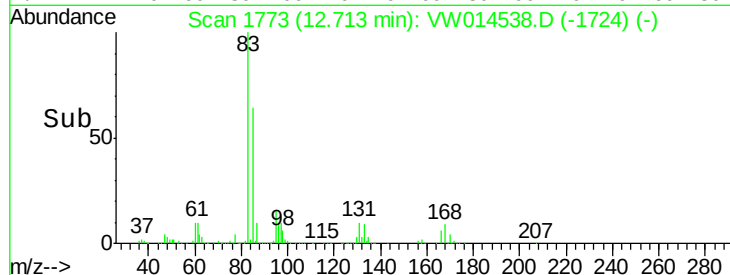
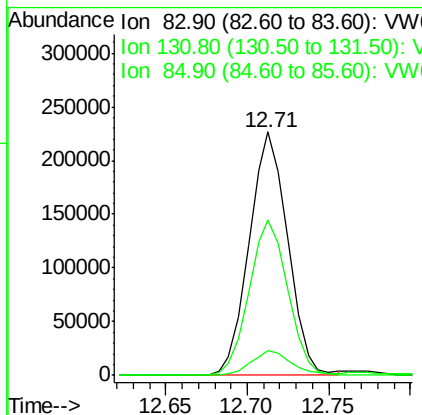
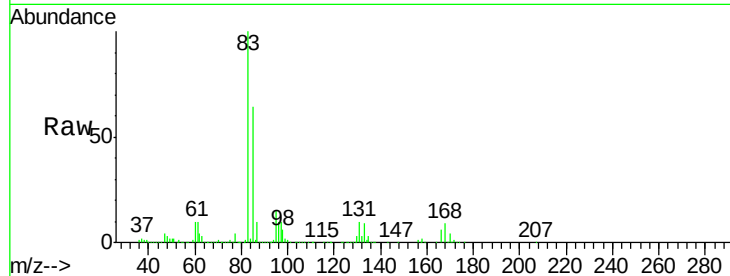
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	370229
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	64.3	31.9	95.7

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



#76

1,2,3-Trichloropropane

Concen: 53.596 ug/l m

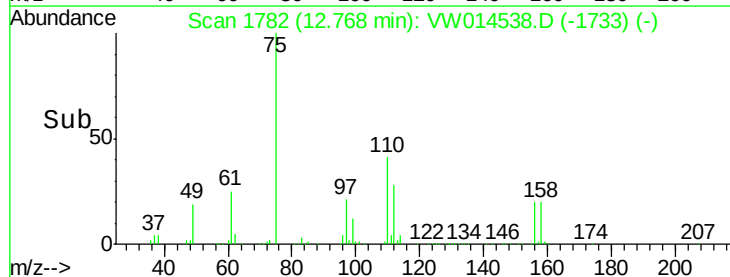
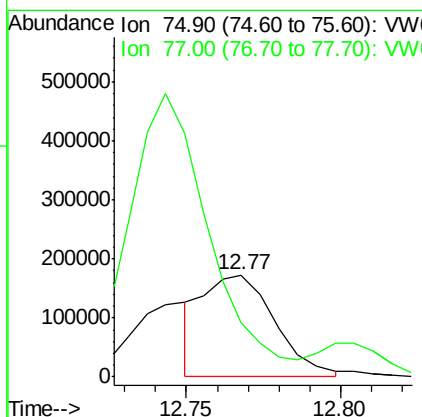
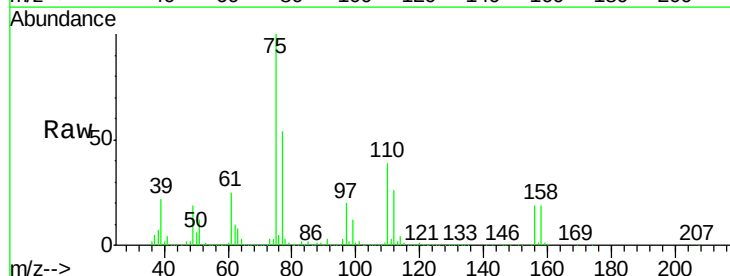
RT: 12.77 min Scan# 1782

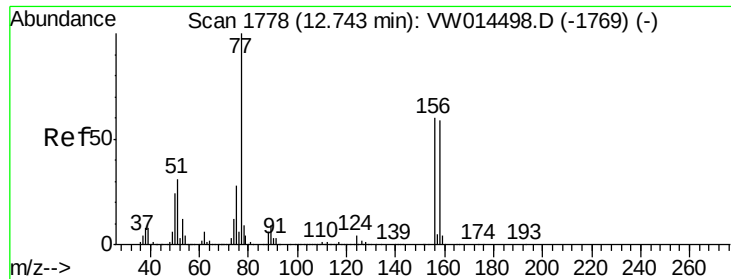
Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Tgt Ion:	75	Resp:	278808
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.477 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:156 Resp: 473292

Ion Ratio Lower Upper

156 100

77 184.2 92.3 277.1

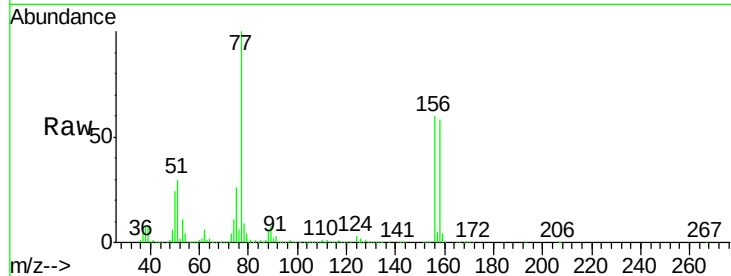
158 97.2 48.6 145.9

Manual Integrations

APPROVED

apatel

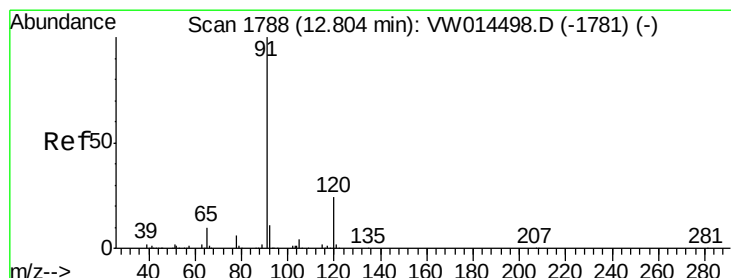
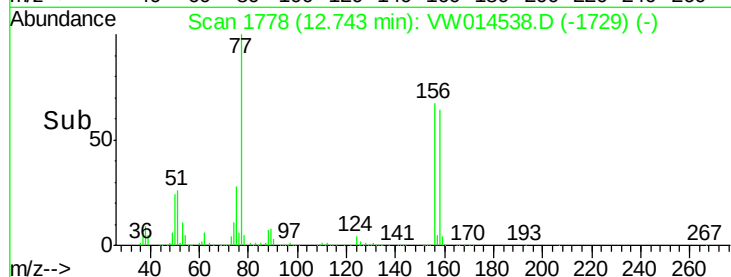
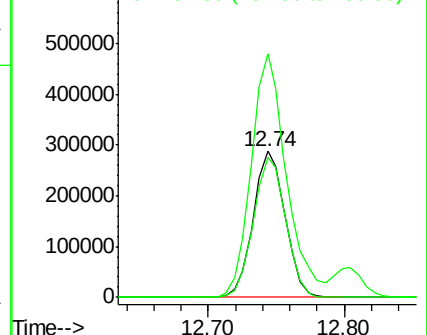
1/7/2020 2:03:07 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.680 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014538.D

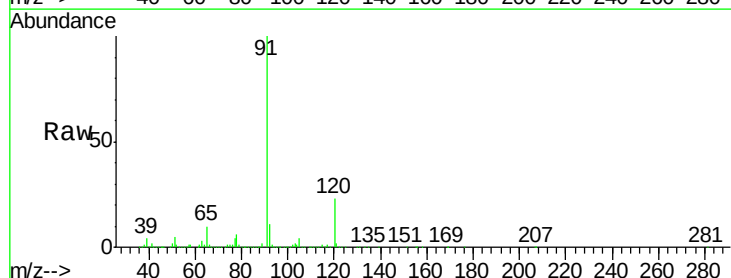
Acq: 06 Jan 2020 21:36

Tgt Ion: 91 Resp: 2405852

Ion Ratio Lower Upper

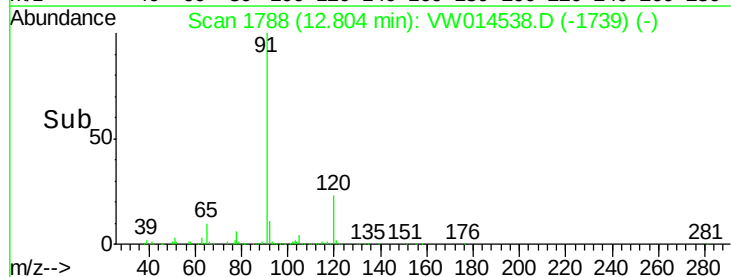
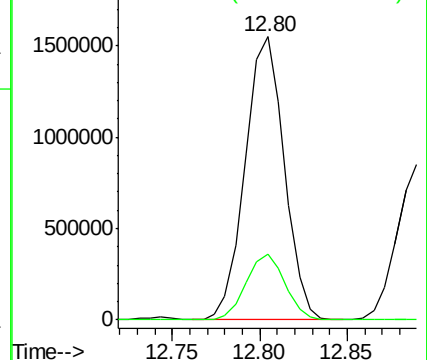
91 100

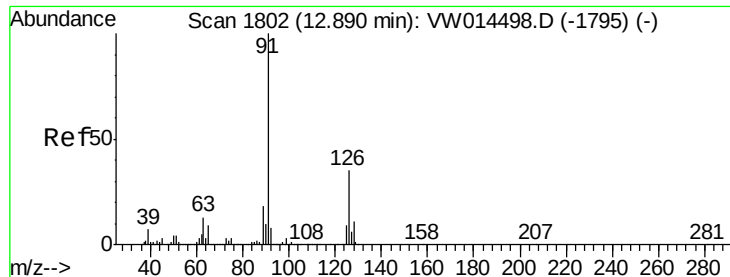
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.956 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1349564

Ion Ratio Lower Upper

91 100

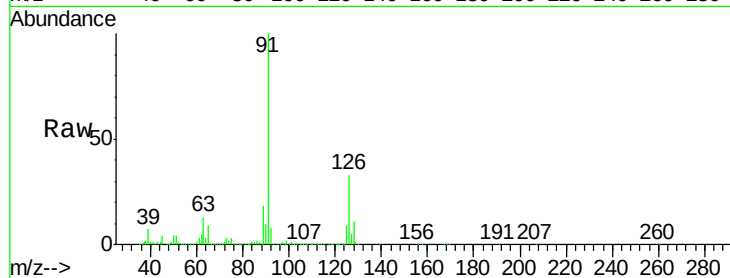
126 34.0 17.1 51.2

Manual Integrations

APPROVED

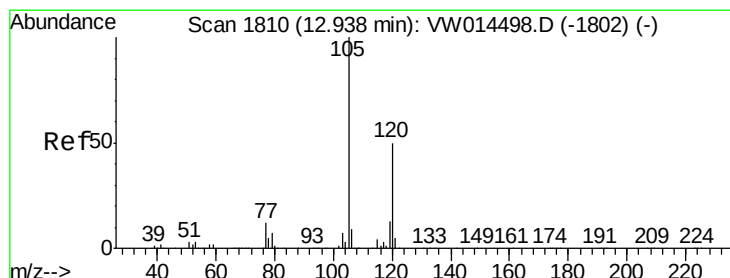
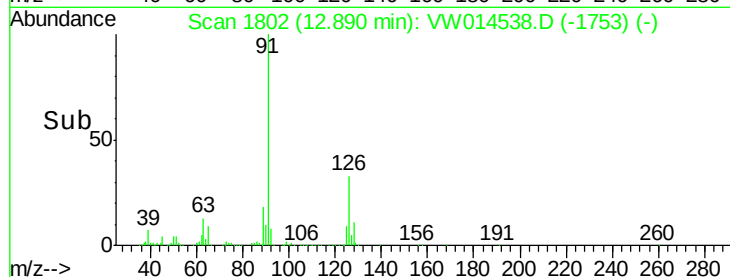
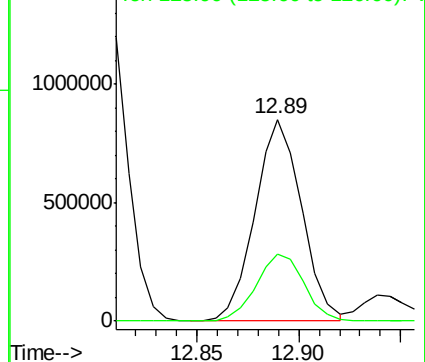
apatel

1/7/2020 2:03:07 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.900 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014538.D

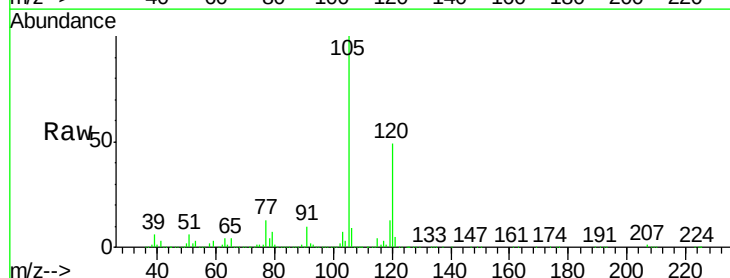
Acq: 06 Jan 2020 21:36

Tgt Ion: 105 Resp: 1691427

Ion Ratio Lower Upper

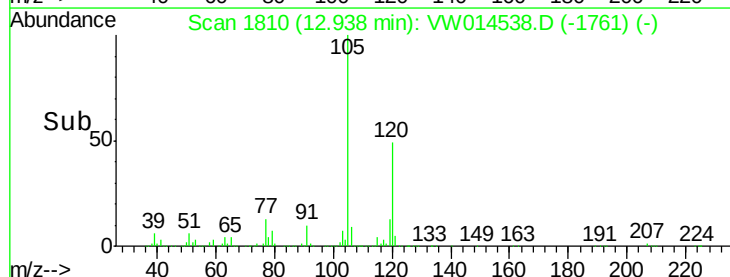
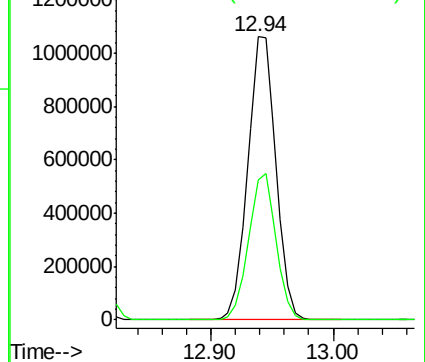
105 100

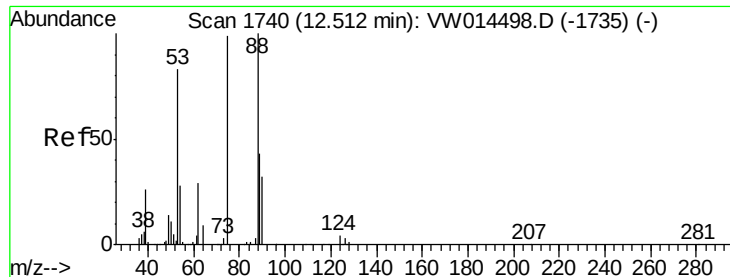
120 50.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





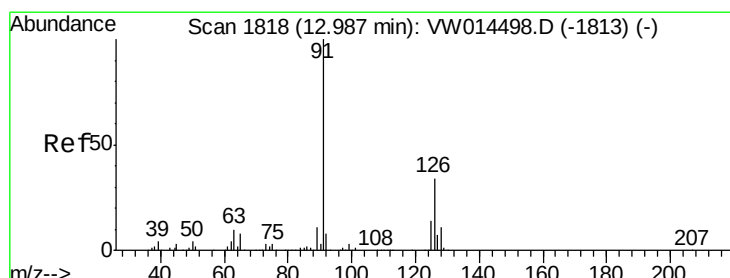
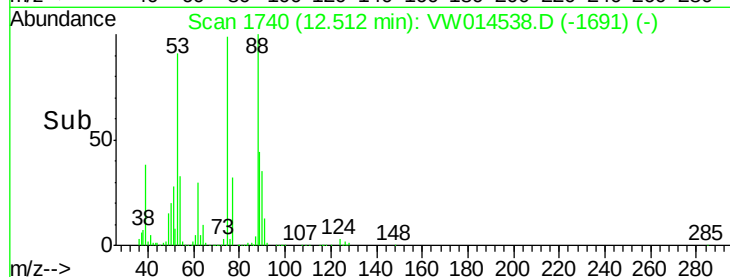
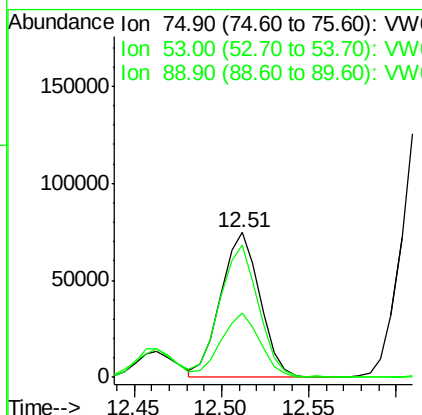
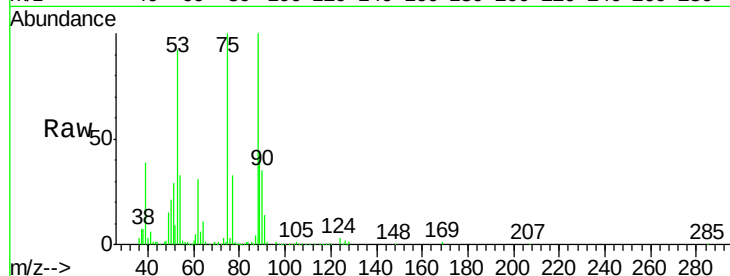
#81
trans-1,4-Dichloro-2-butene
Concen: 49.168 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.5	70.9	106.3
89	44.8	35.8	53.8

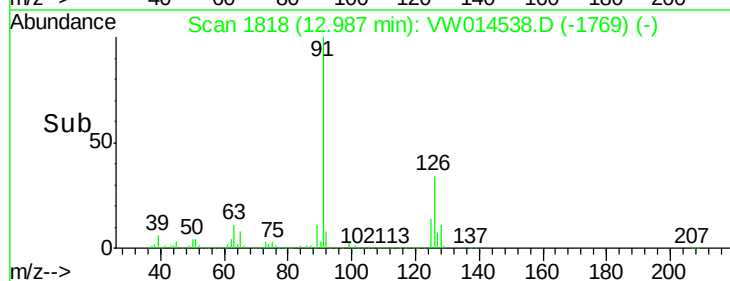
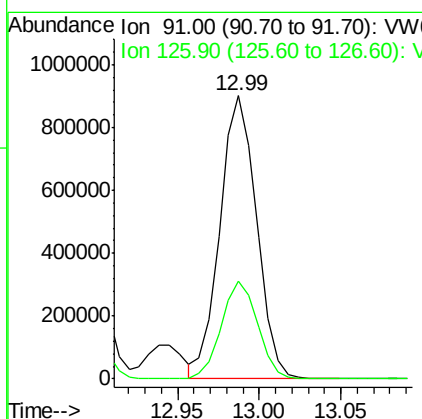
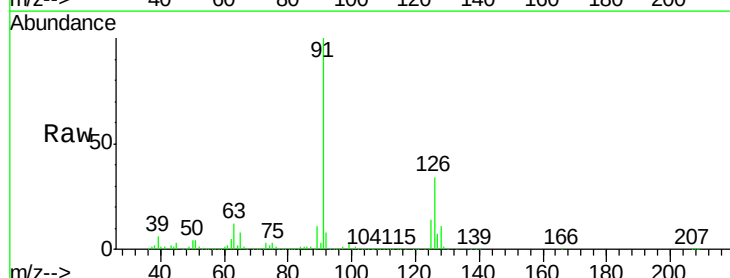
Manual Integrations
APPROVED

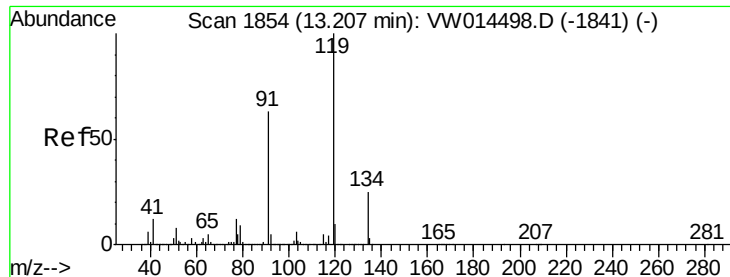
apatel
1/7/2020 2:03:07 PM



#82
4-Chlorotoluene
Concen: 50.076 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.2





#83

tert-Butylbenzene

Concen: 49.973 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W

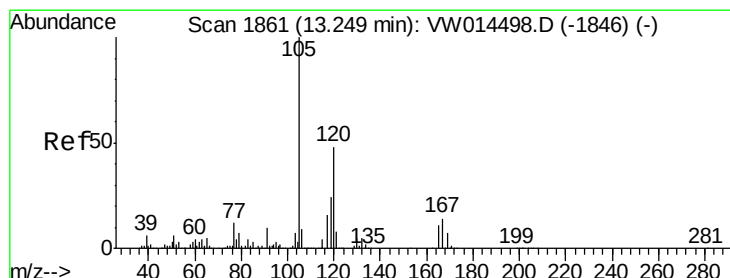
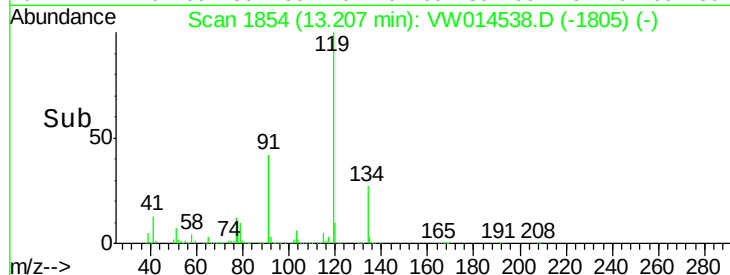
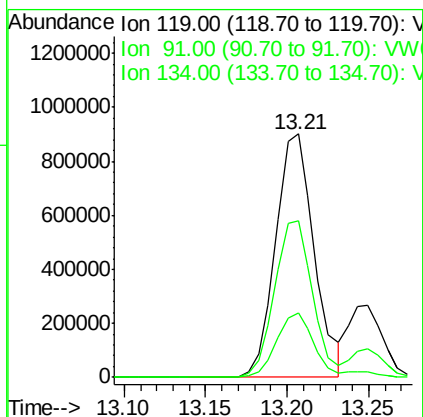
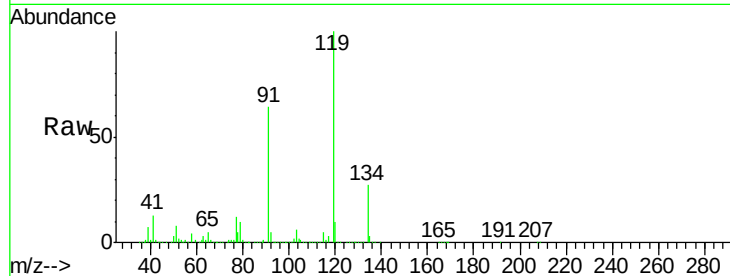
ClientSampled :
VSTDCCC050EC

Tgt Ion:119 Resp: 1483080

Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.1	93.3
134	25.7	13.5	40.5

Manual Integrations
APPROVED

apatel
1/7/2020 2:03:07 PM



#84

1,2,4-Trimethylbenzene

Concen: 50.140 ug/l

RT: 13.25 min Scan# 1861

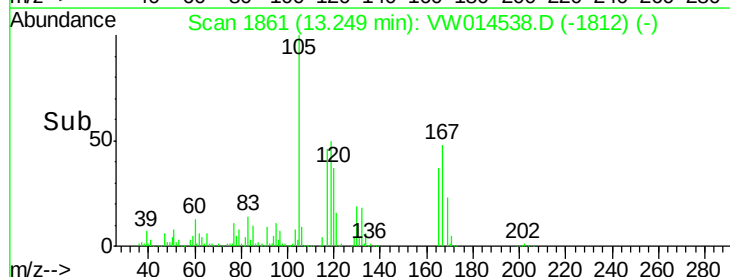
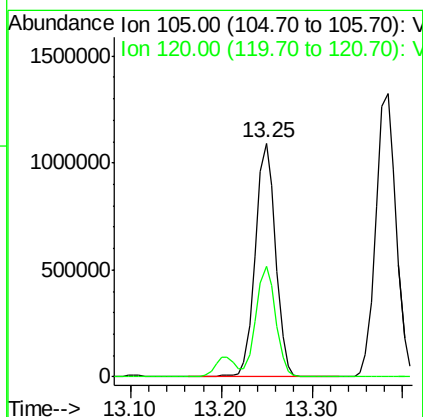
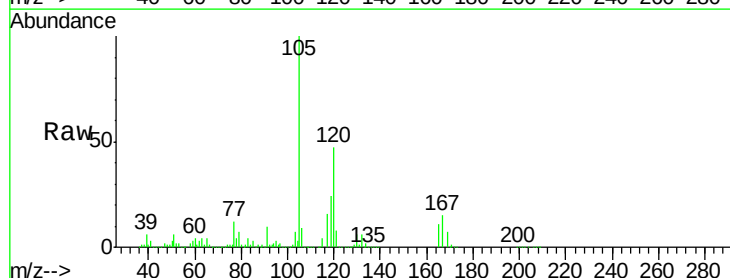
Delta R.T. 0.00 min

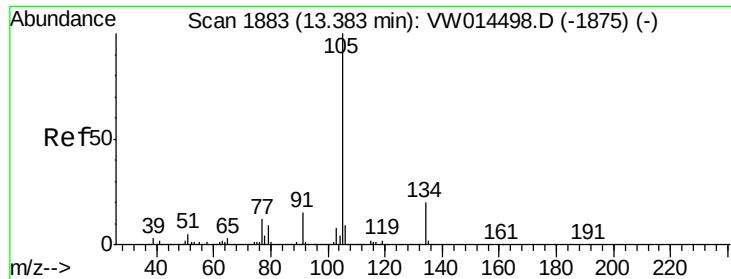
Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Tgt Ion:105 Resp: 1691309

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0





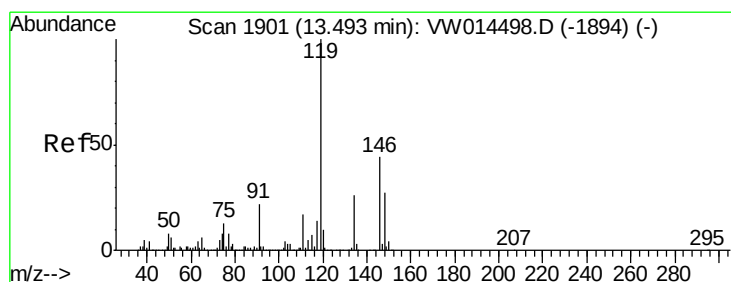
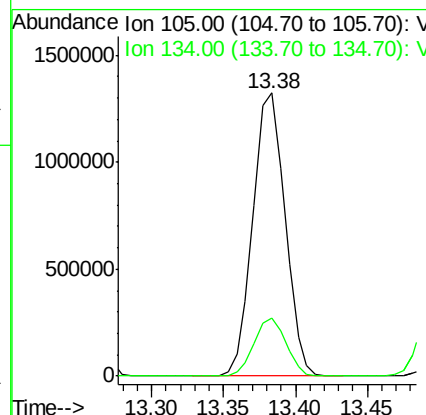
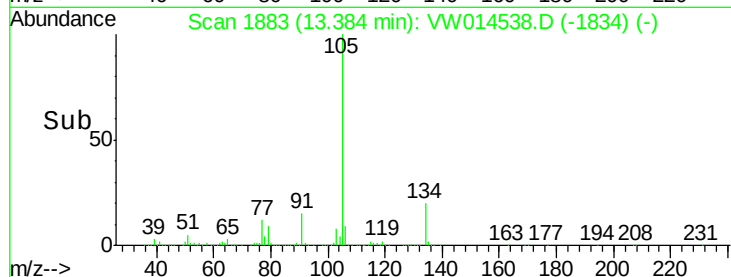
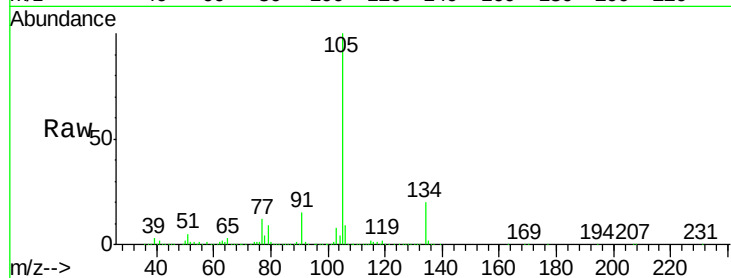
#85
 sec-Butylbenzene
 Concen: 49.811 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 2046175
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6

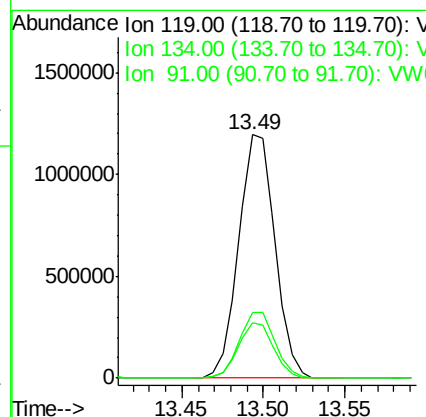
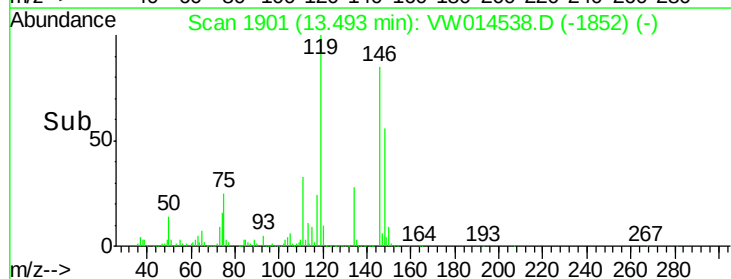
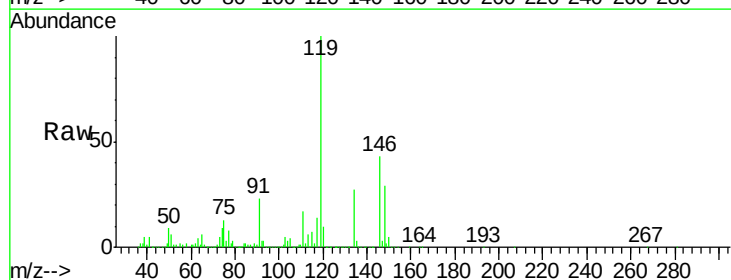
Manual Integrations
 APPROVED

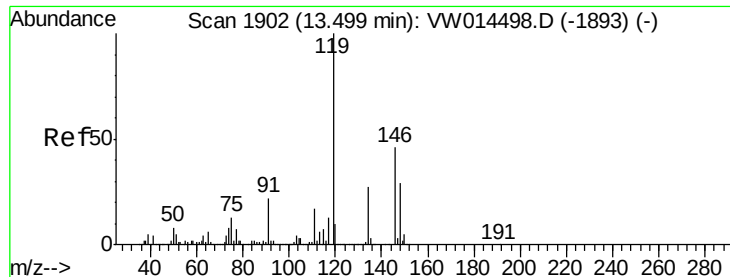
apatel
 1/7/2020 2:03:07 PM



#86
 p-Isopropyltoluene
 Concen: 49.372 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion:119 Resp: 1848652
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 22.1 11.1 33.3





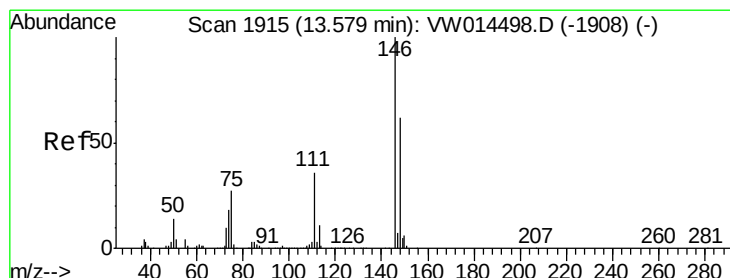
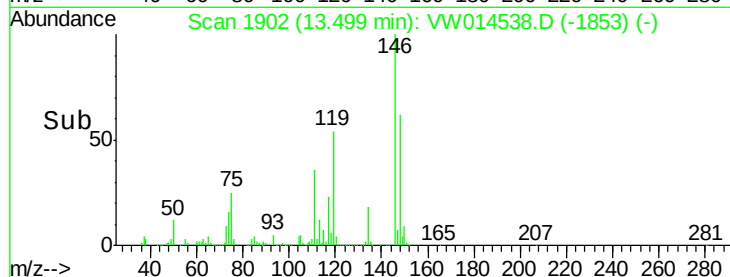
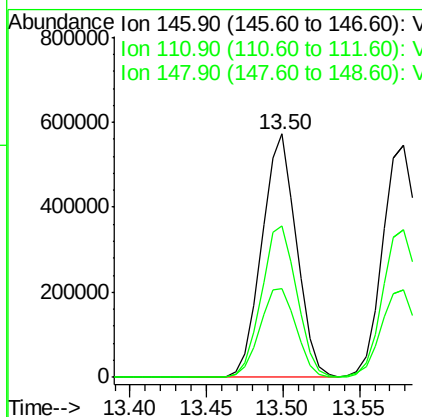
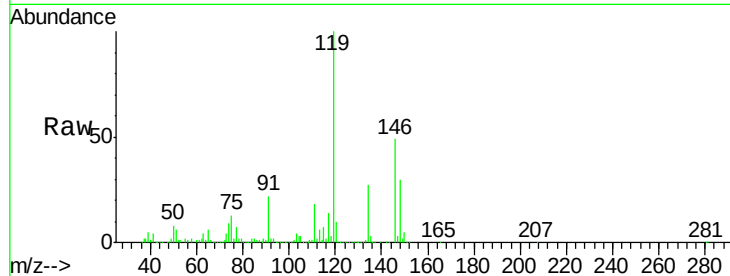
#87
1,3-Dichlorobenzene
Concen: 49.513 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.8	31.8	95.4

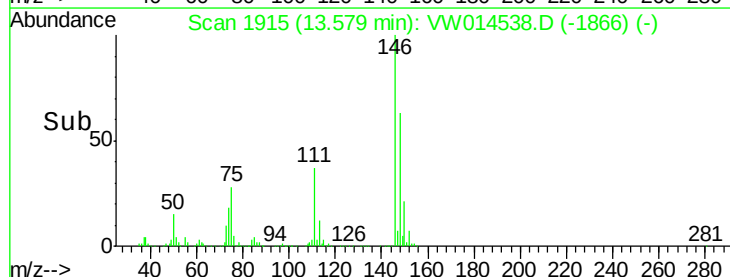
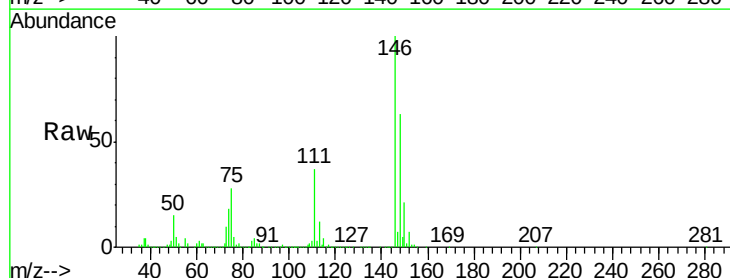
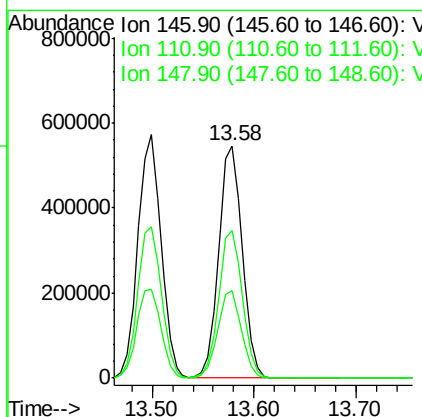
Manual Integrations
APPROVED

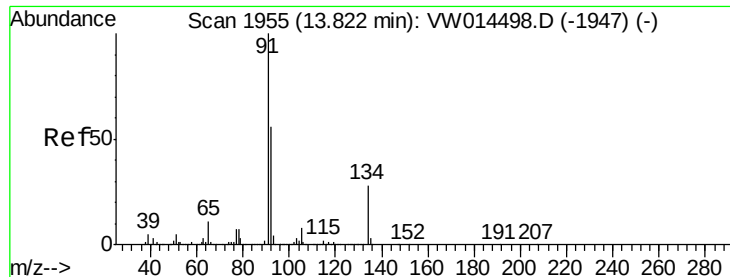
apatel
1/7/2020 2:03:07 PM



#88
1,4-Dichlorobenzene
Concen: 49.054 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW014538.D
Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.7	31.7	95.1





#89

n-Butylbenzene

Concen: 49.663 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014538.D

Acq: 06 Jan 2020 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1726802

Ion Ratio Lower Upper

91 100

92 54.9 27.5 82.5

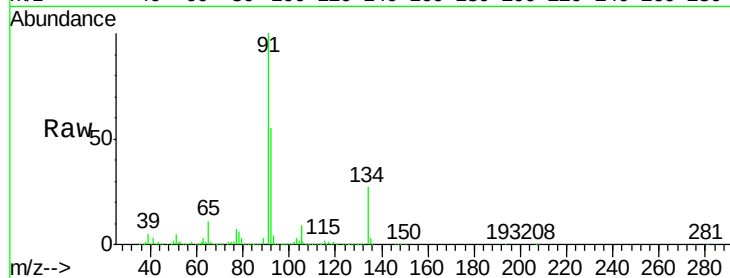
134 26.9 13.7 41.1

Manual Integrations

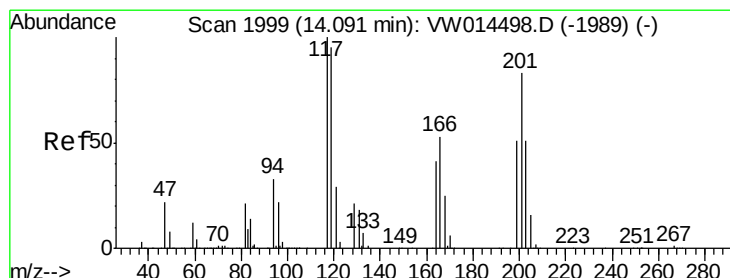
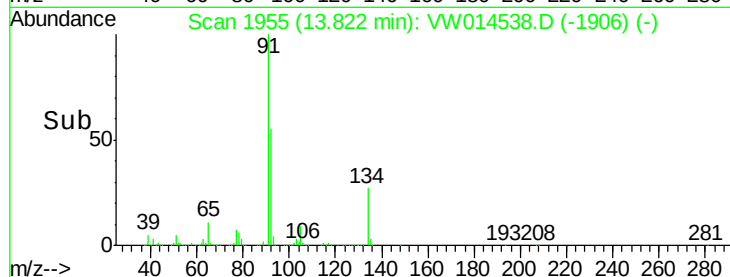
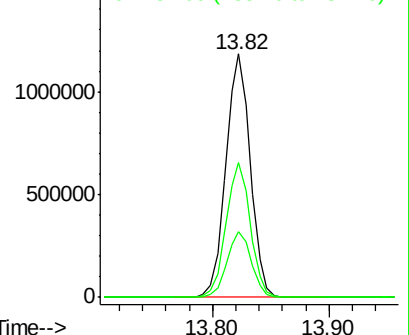
APPROVED

apatel

1/7/2020 2:03:07 PM



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.720 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014538.D

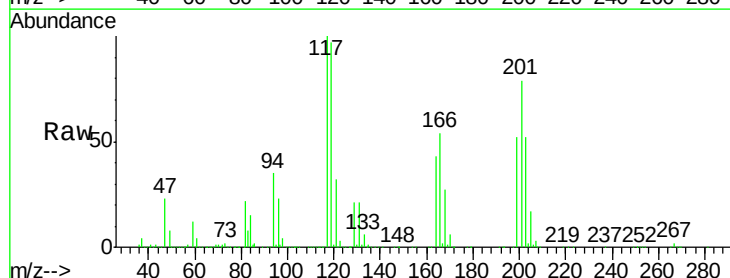
Acq: 06 Jan 2020 21:36

Tgt Ion: 117 Resp: 318680

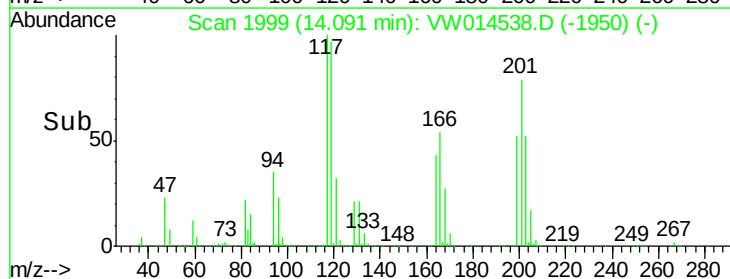
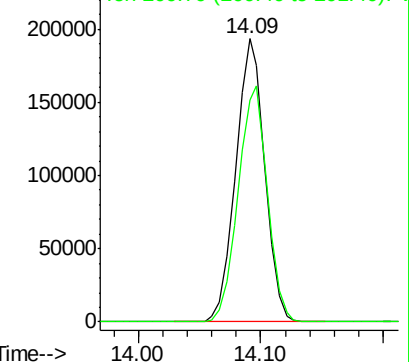
Ion Ratio Lower Upper

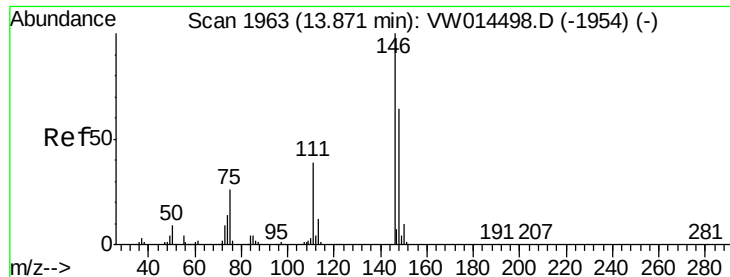
117 100

201 84.3 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





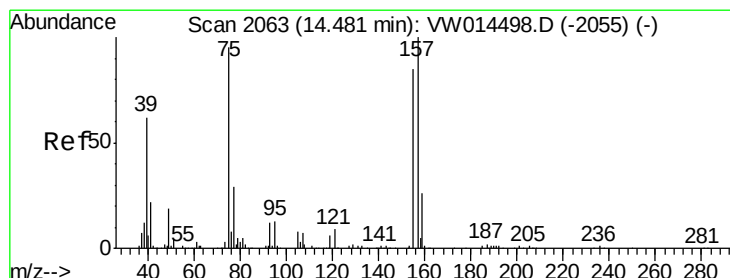
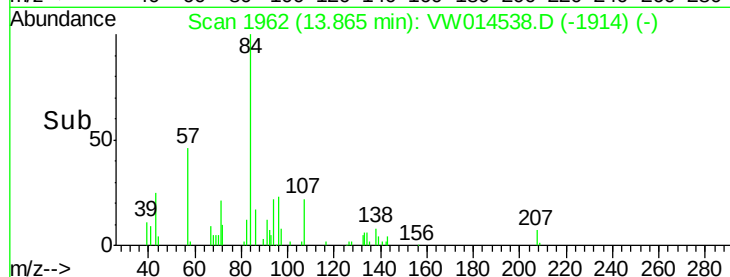
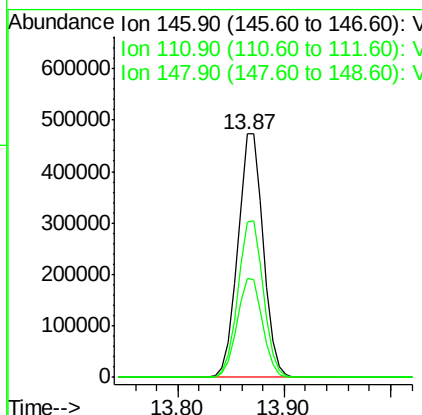
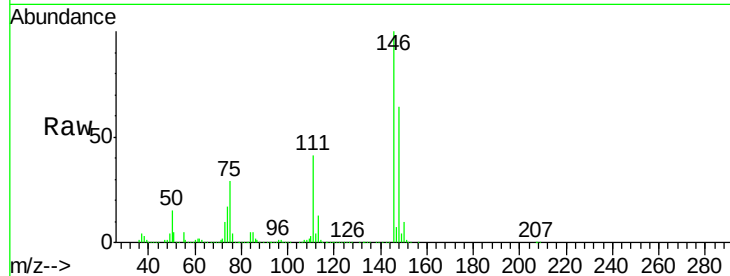
#91
 1,2-Dichlorobenzene
 Concen: 49.379 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	791329		
111	40.7	20.4	61.3	
148	64.3	32.3	96.8	

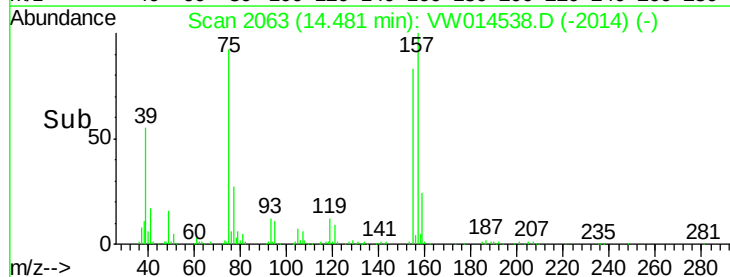
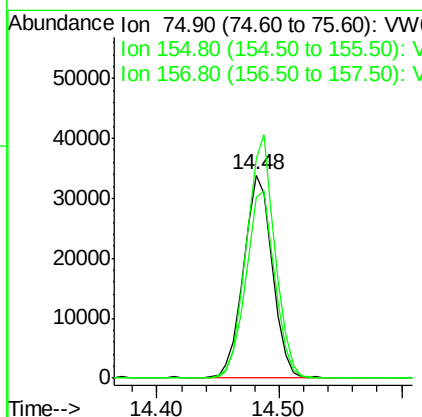
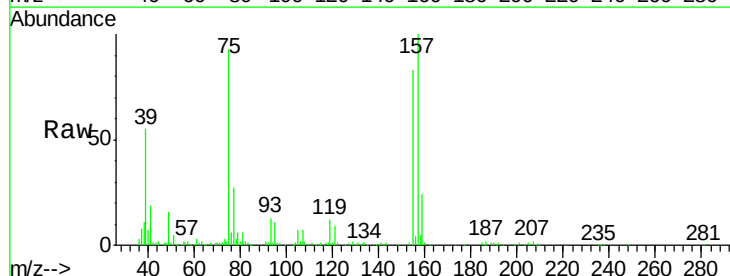
Manual Integrations
 APPROVED

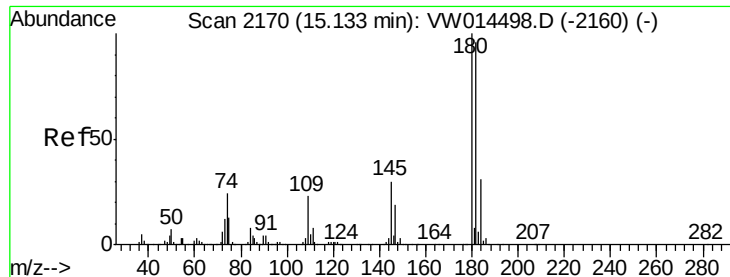
apatel
 1/7/2020 2:03:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.188 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55605		
155	92.3	45.8	137.4	
157	117.6	58.1	174.2	





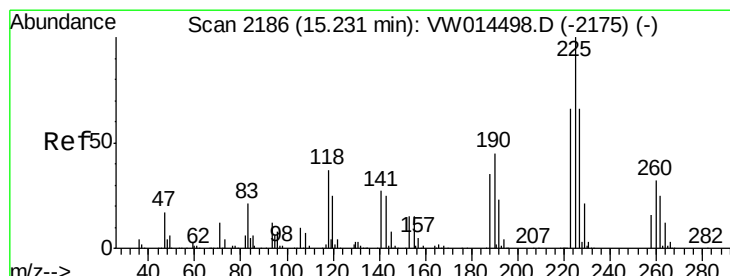
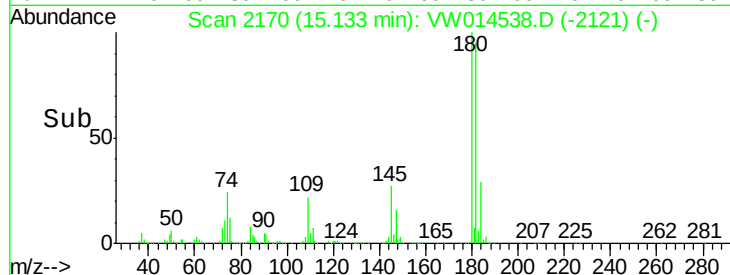
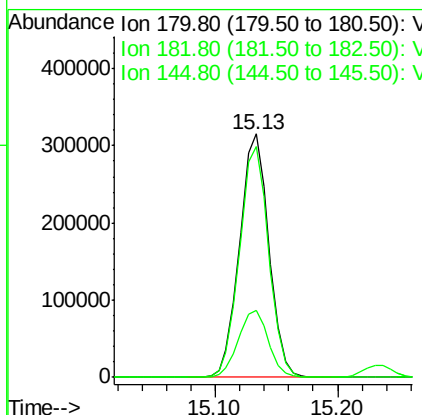
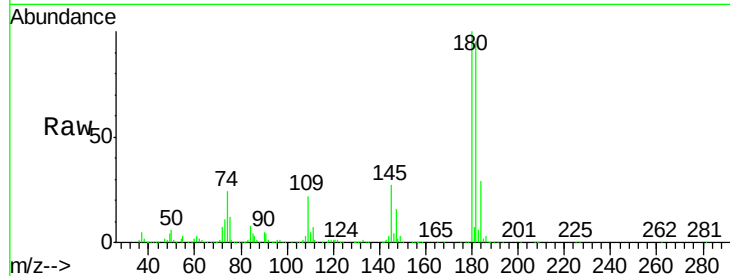
#93
 1,2,4-Trichlorobenzene
 Concen: 48.209 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	521712		
182	94.8	47.3	141.8	
145	28.3	14.7	44.1	

Manual Integrations
 APPROVED

apatel
 1/7/2020 2:03:07 PM



#94
 Hexachlorobutadiene
 Concen: 44.725 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014538.D
 Acq: 06 Jan 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	324355		
223	64.1	32.4	97.2	
227	64.4	32.6	97.8	

