

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014980.D
 Acq On : 13 Feb 2020 15:11
 Operator : SY/VA
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:28:54 PM

Quant Time: Feb 14 04:56:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 14 04:50:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	771375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	722670	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	278263	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	382911	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
7) Chloroethane-d5	2.89	69	287571	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.16%
11) 1,1-Dichloroethene-d2	4.02	63	512909	18.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.60%
21) 2-Butanone-d5	7.07	46	216407	49.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.96%
24) Chloroform-d	7.65	84	601170	24.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.04%
26) 1,2-Dichloroethane-d4	8.31	65	373173	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.68%
32) Benzene-d6	8.27	84	1220125	25.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.24%
36) 1,2-Dichloropropane-d6	9.27	67	422486	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.92%
41) Toluene-d8	10.32	98	1034415	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.72%
43) trans-1,3-Dichloropropene-	10.57	79	155604	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
47) 2-Hexanone-d5	10.92	63	150766	50.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.22%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	308223	24.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.64%
66) 1,2-Dichlorobenzene-d4	13.85	152	287338	27.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	6590m	0.860	ug/L
3) Chloromethane	2.21	50	15547	1.079	ug/L
5) Vinyl chloride	2.36	62	20158	1.087	ug/L #
6) Bromomethane	2.78	94	9185	1.092	ug/L
8) Chloroethane	2.93	64	10593	1.067	ug/L
9) Trichlorofluoromethane	3.25	101	6238	0.851	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	16147m	1.347	ug/L
12) 1,1-Dichloroethene	4.04	96	14702	1.279	ug/L #
13) Acetone	4.13	43	16376	3.623	ug/L
14) Carbon disulfide	4.39	76	41219	0.992	ug/L
15) Methyl Acetate	4.68	43	8232m	1.050	ug/L
16) Methylene chloride	4.92	84	54489	3.823	ug/L
17) trans-1,2-Dichloroethene	5.42	96	11129	0.959	ug/L
18) Methyl tert-butyl Ether	5.42	73	13990	0.977	ug/L #
19) 1,1-Dichloroethane	6.21	63	26799	1.034	ug/L
20) cis-1,2-Dichloroethene	7.17	96	11942	0.999	ug/L
22) 2-Butanone	7.17	43	17344m	3.192	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014980.D
 Acq On : 13 Feb 2020 15:11
 Operator : SY/VA
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:28:54 PM

Quant Time: Feb 14 04:56:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 14 04:50:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	5260	1.085	ug/L	87
25) Chloroform	7.68	83	27330	1.184	ug/L	88
27) 1,2-Dichloroethane	8.40	62	17970	1.059	ug/L	97
29) Cyclohexane	7.95	56	18710m	0.794	ug/L	
30) 1,1,1-Trichloroethane	7.87	97	17351	0.987	ug/L	97
31) Carbon tetrachloride	8.07	117	15862	1.001	ug/L	99
33) Benzene	8.32	78	54563	1.028	ug/L	100
34) Trichloroethene	9.09	95	12419	0.977	ug/L	96
35) Methylcyclohexane	9.34	83	18533	0.846	ug/L	95
37) 1,2-Dichloropropane	9.37	63	15086	1.018	ug/L	100
38) Bromodichloromethane	9.65	83	16978	1.017	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	18329	0.924	ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	21948	2.080	ug/L	100
42) Toluene	10.38	91	55254	1.078	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	19788m	1.203	ug/L	
45) 1,1,2-Trichloroethane	10.78	97	9381	1.044	ug/L	91
46) Tetrachloroethene	10.86	164	8436	1.022	ug/L	96
48) 2-Hexanone	10.97	43	16580	2.157	ug/L #	92
49) Dibromochloromethane	11.13	129	9239	0.986	ug/L	84
50) 1,2-Dibromoethane	11.23	107	8310	1.025	ug/L	92
51) Chlorobenzene	11.65	112	31151	1.030	ug/L	94
52) Ethylbenzene	11.73	91	51678	0.925	ug/L	97
53) m,p-Xylene	11.83	106	16901	0.863	ug/L	91
54) o-Xylene	12.16	106	14311	0.778	ug/L	93
55) Styrene	12.18	104	24247	0.764	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.71	83	13420	1.116	ug/L #	94
59) Bromoform	12.35	173	4691	1.103	ug/L #	94
60) Isopropylbenzene	12.46	105	37086	0.851	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	9454	1.159	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	29522	0.850	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	27419	0.807	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	17603	0.980	ug/L	86
65) 1,4-Dichlorobenzene	13.58	146	20728	1.120	ug/L	93
67) 1,2-Dichlorobenzene	13.87	146	20057	1.207	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.49	75	2265	1.328	ug/L #	76
69) 1,3,5-Trichlorobenzene	14.63	180	12635	1.050	ug/L	95
70) 1,2,4-trichlorobenzene	15.13	180	8014	0.888	ug/L	98
71) Naphthalene	15.36	128	6503	0.702	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.55	180	8096	0.969	ug/L	93

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

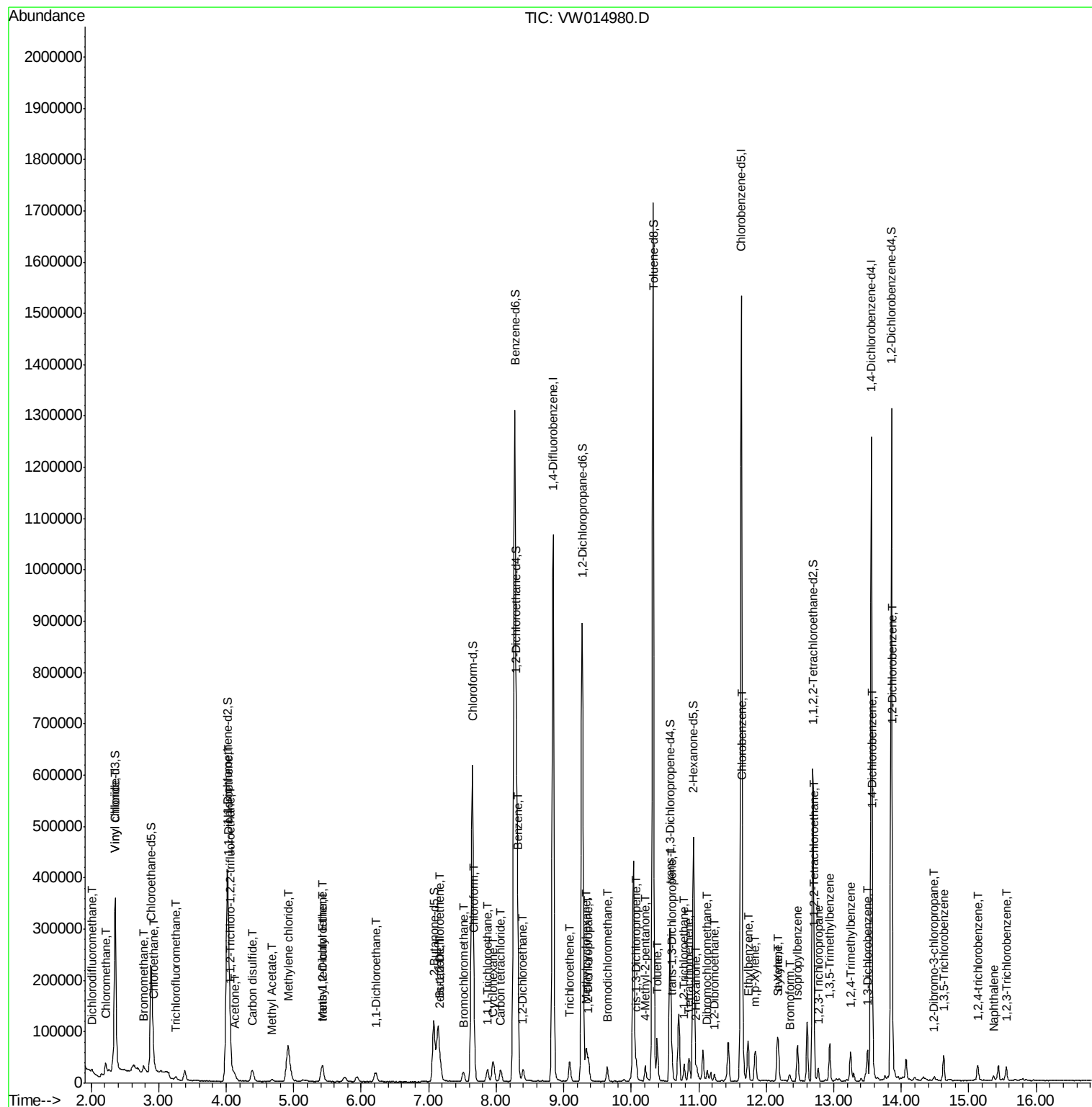
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
Data File : VW014980.D
Acq On : 13 Feb 2020 15:11
Operator : SY/VA
Sample : MDL02
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

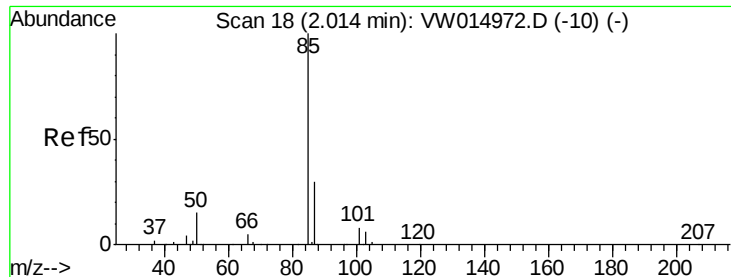
Instrument :
MSVOA_W
ClientSampled :
MDL02

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM

Quant Time: Feb 14 04:56:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:50:37 2020
Response via : Initial Calibration





#2

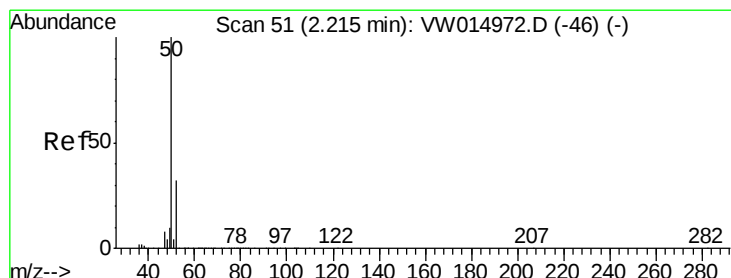
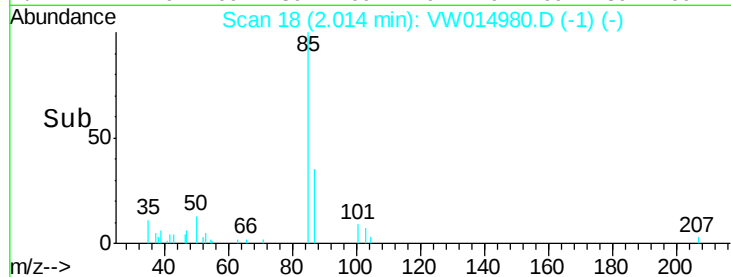
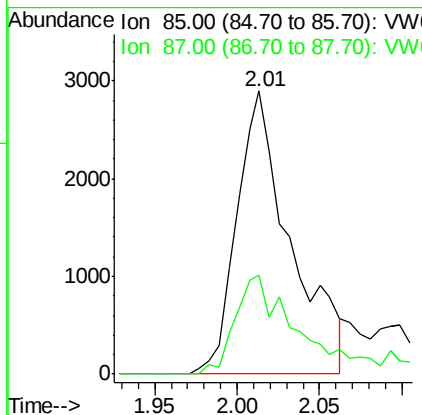
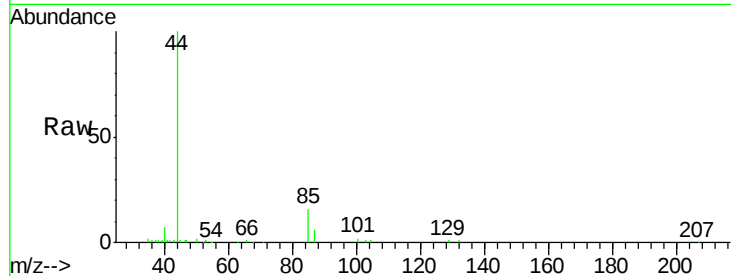
Dichlorodifluoromethane
Concen: 0.860 ug/L m
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	85	Resp	6590
Ion Ratio	100	Lower	Upper
87	1.6	21.5	32.3#

Manual Integrations
APPROVED

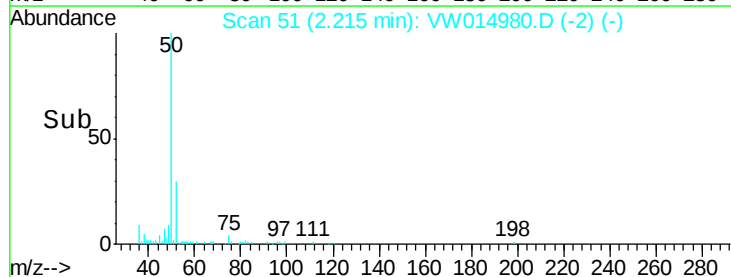
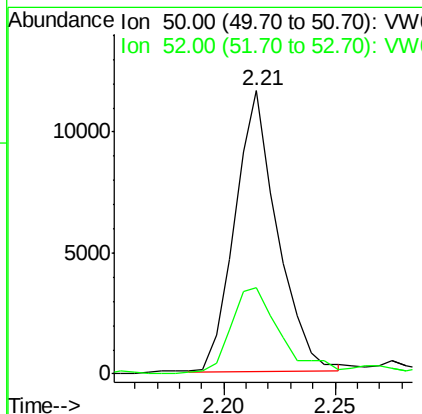
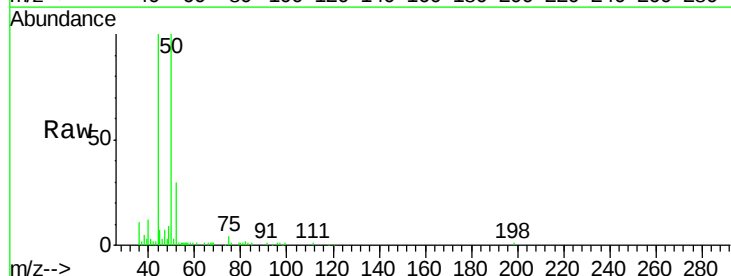
MMDadoda
2/14/2020 4:28:54 PM

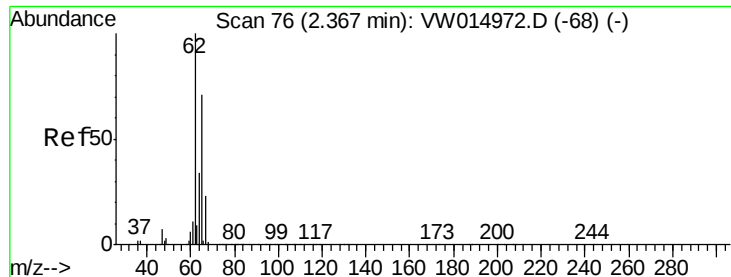


#3

Chloromethane
Concen: 1.079 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion	50	Resp	15547
Ion Ratio	100	Lower	Upper
52	30.3	22.3	41.3





#5

Vinyl chloride

Concen: 1.087 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 62 Resp: 20158

Ion Ratio Lower Upper

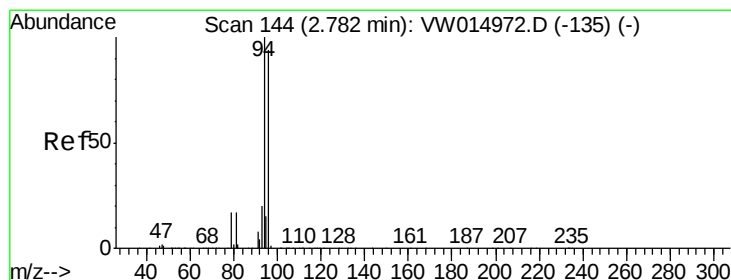
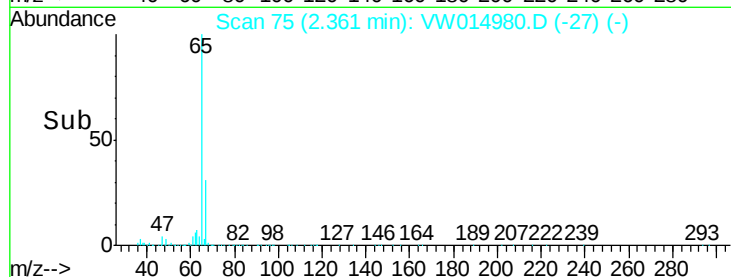
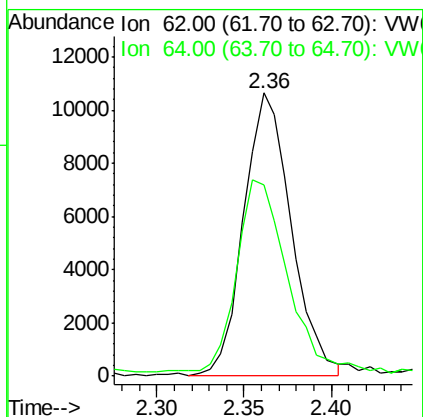
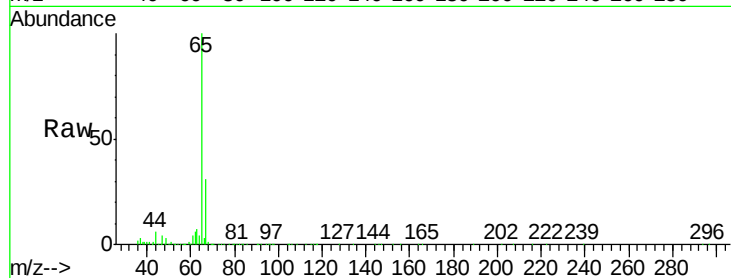
62 100

64 67.4 23.6 43.8#

Manual Integrations
APPROVED

MMDadoda

2/14/2020 4:28:54 PM



#6

Bromomethane

Concen: 1.092 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014980.D

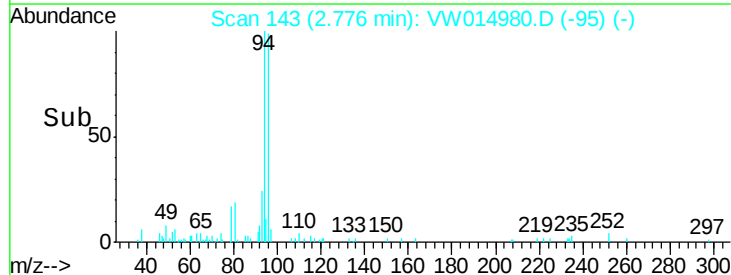
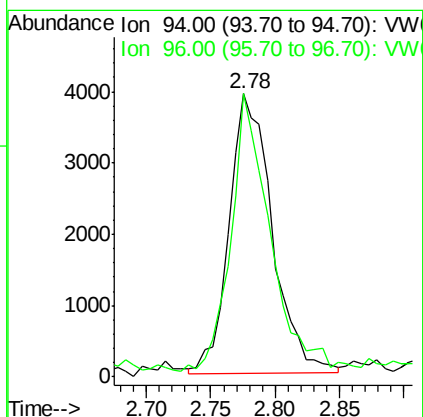
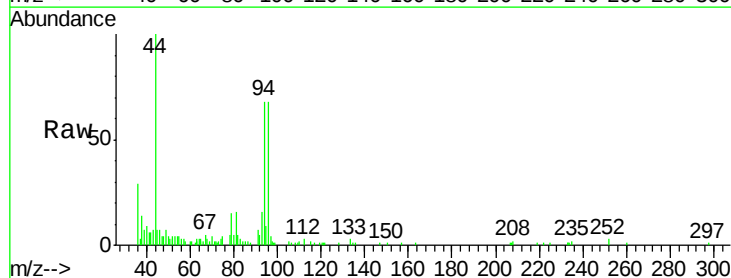
Acq: 13 Feb 2020 15:11

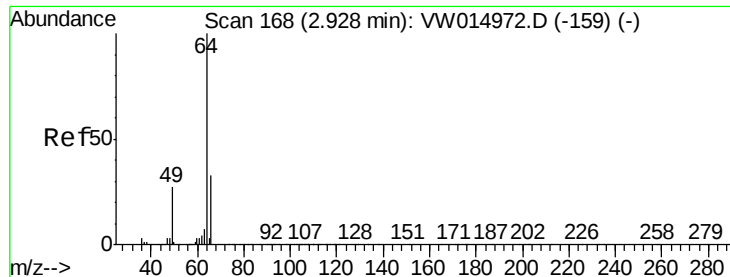
Tgt Ion: 94 Resp: 9185

Ion Ratio Lower Upper

94 100

96 100.0 65.8 122.2





#8

Chloroethane

Concen: 1.067 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 10593

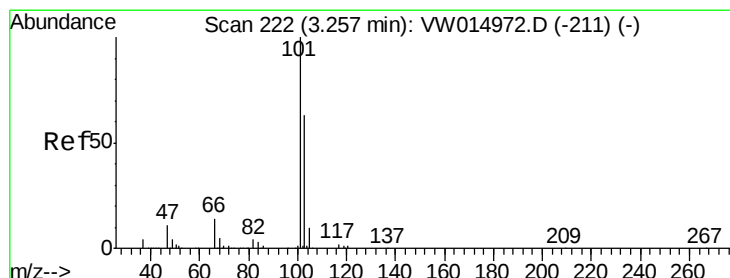
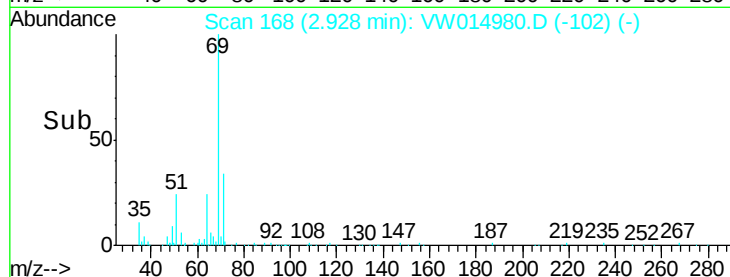
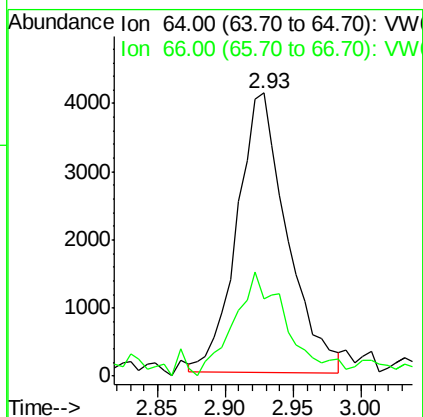
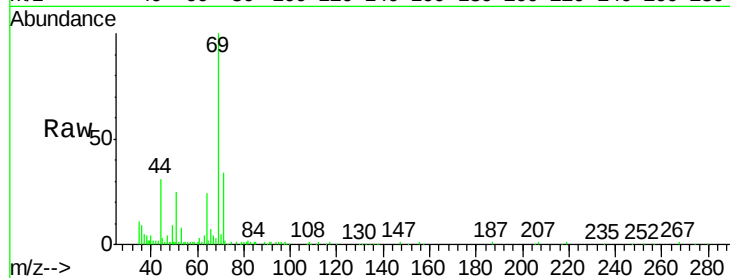
Ion Ratio Lower Upper

64 100

66 27.4 23.1 42.9

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#9

Trichlorofluoromethane

Concen: 0.851 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014980.D

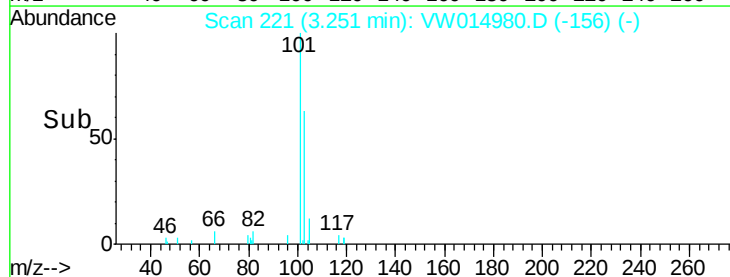
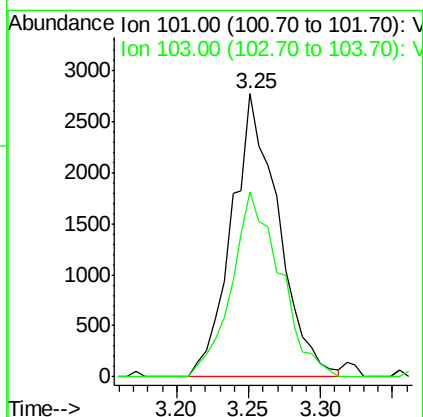
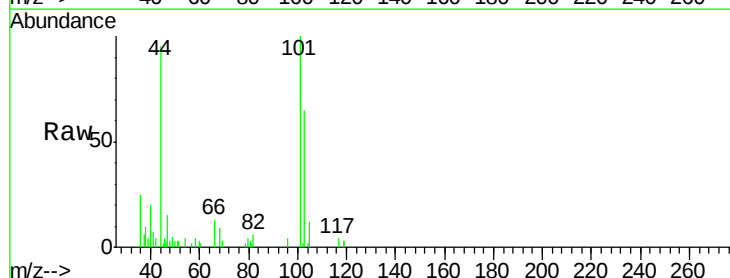
Acq: 13 Feb 2020 15:11

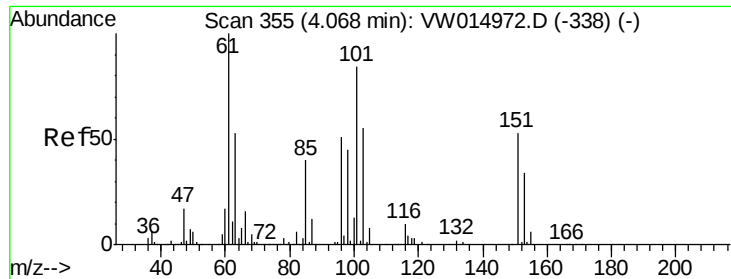
Tgt Ion: 101 Resp: 6238

Ion Ratio Lower Upper

101 100

103 67.9 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.347 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 101 Resp: 16147
Ion Ratio Lower Upper

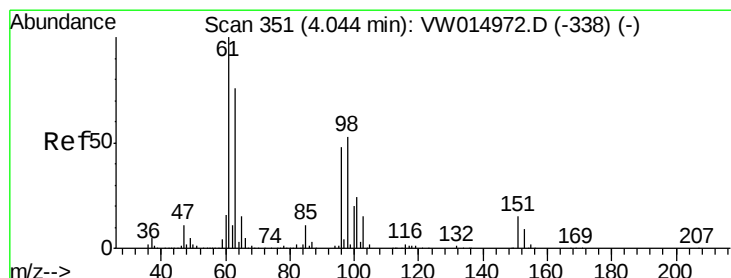
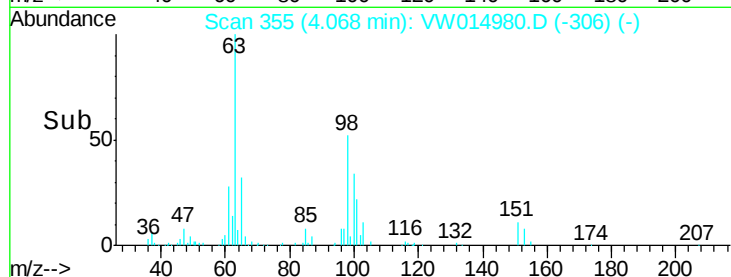
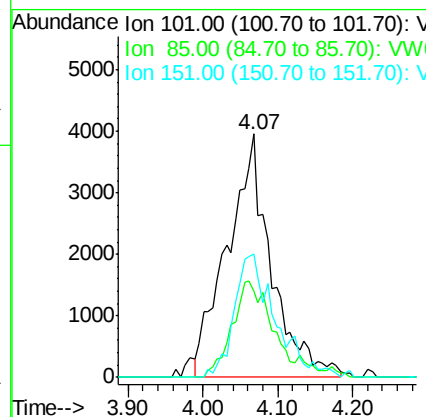
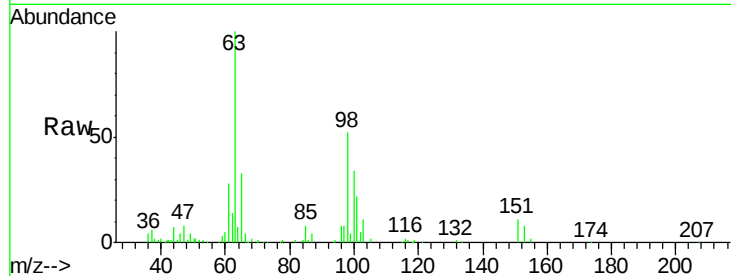
101 100

85 23.0 36.5 54.7#

151 30.4 50.2 75.4#

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#12

1,1-Dichloroethene

Concen: 1.279 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014980.D

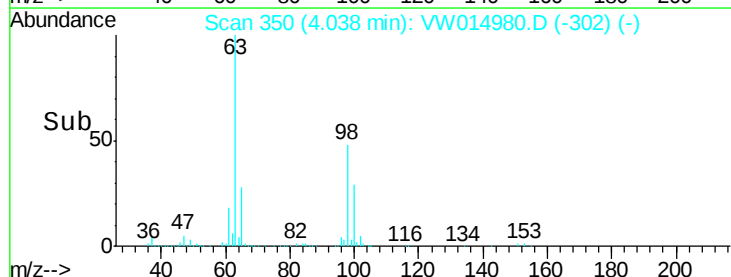
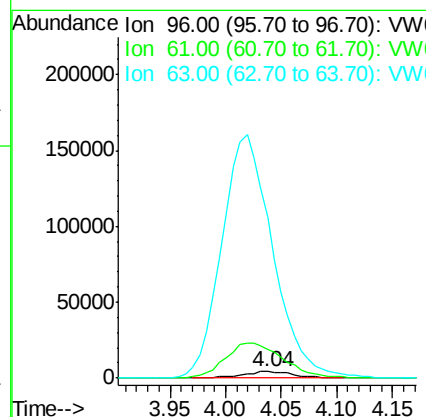
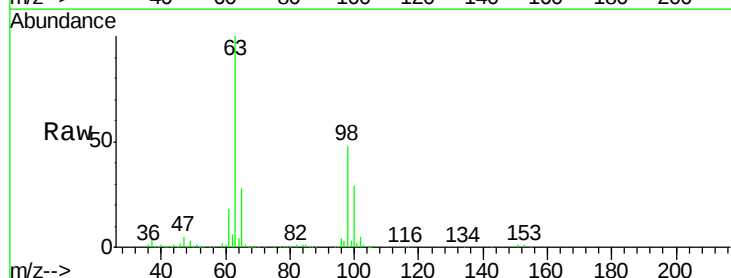
Acq: 13 Feb 2020 15:11

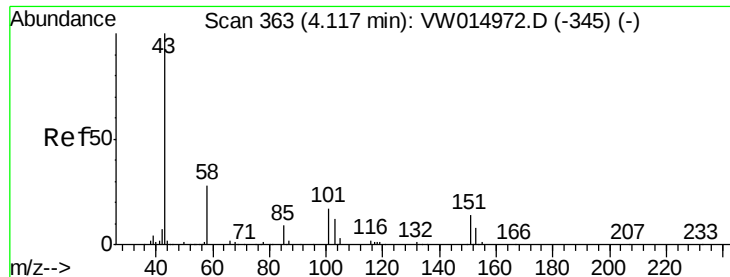
Tgt Ion: 96 Resp: 14702
Ion Ratio Lower Upper

96 100

61 425.5 147.0 273.0#

63 2421.2 113.4 210.6#





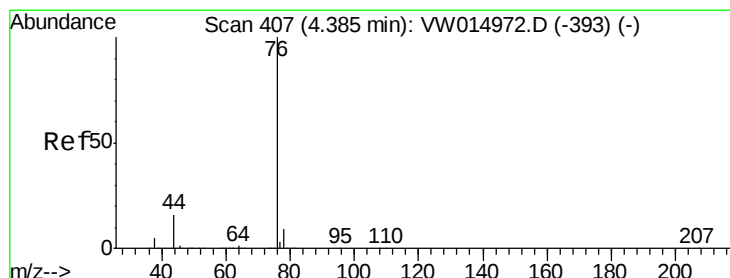
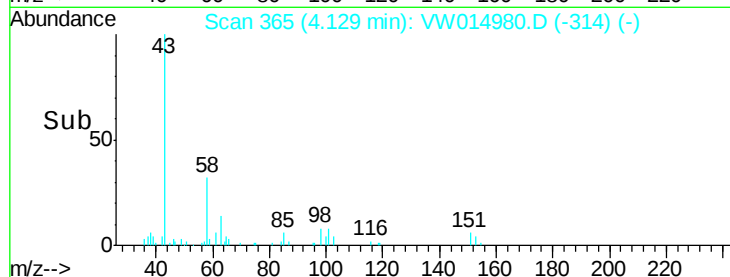
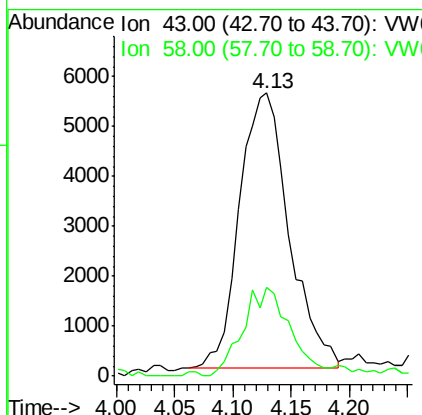
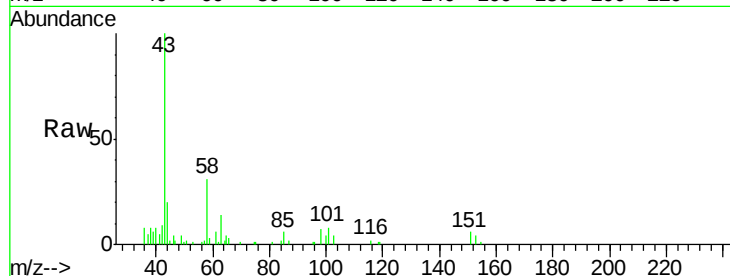
#13
Acetone
Concen: 3.623 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	43	Resp	16376
Ion Ratio	43	100	Lower Upper
	58	17.4	0.0 54.6

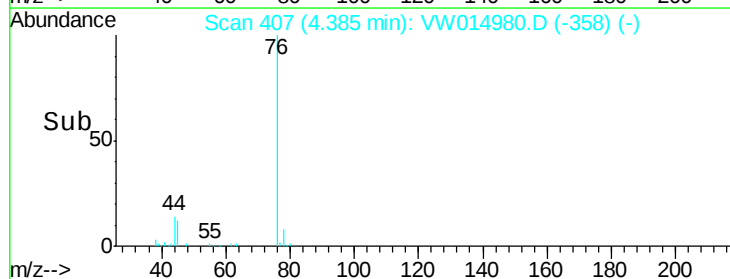
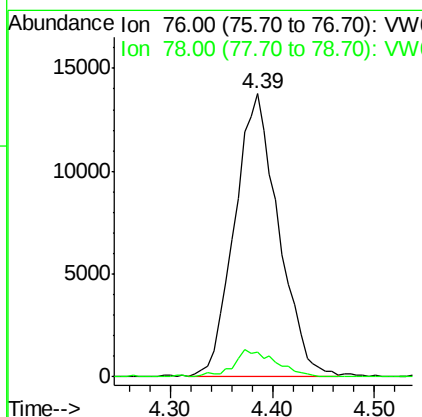
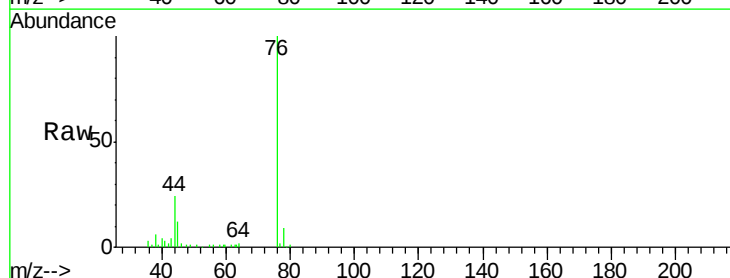
Manual Integrations
APPROVED

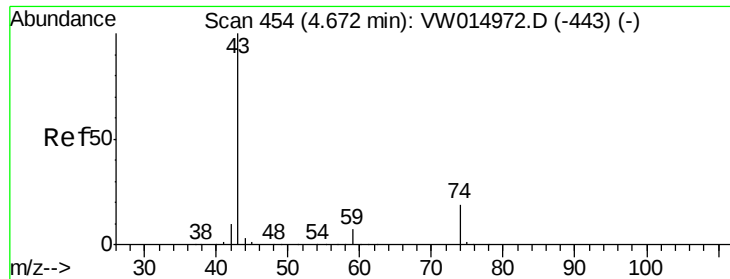
MMDadoda
2/14/2020 4:28:54 PM



#14
Carbon disulfide
Concen: 0.992 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion	76	Resp	41219
Ion Ratio	76	100	Lower Upper
	78	9.2	7.2 10.8





#15

Methyl Acetate

Concen: 1.050 ug/L m

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 43 Resp: 8232

Ion Ratio Lower Upper

43 100

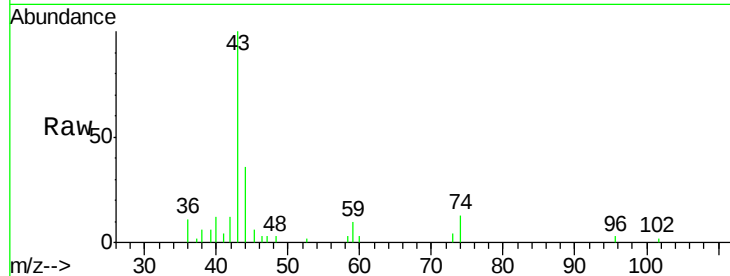
74 3.0 14.6 21.8#

Manual Integrations

APPROVED

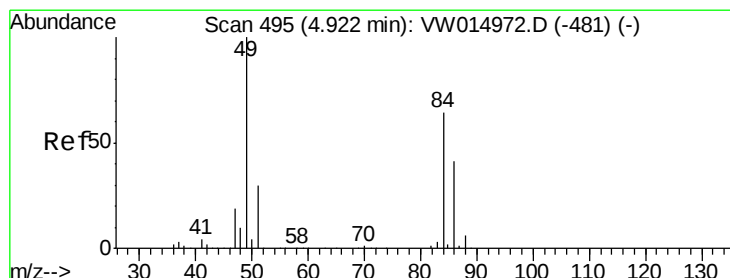
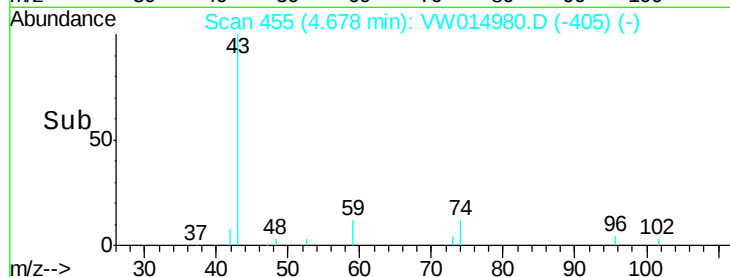
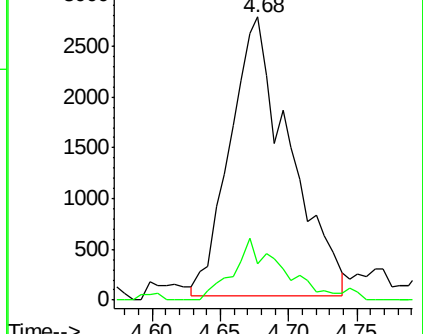
MMDadoda

2/14/2020 4:28:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 3.823 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

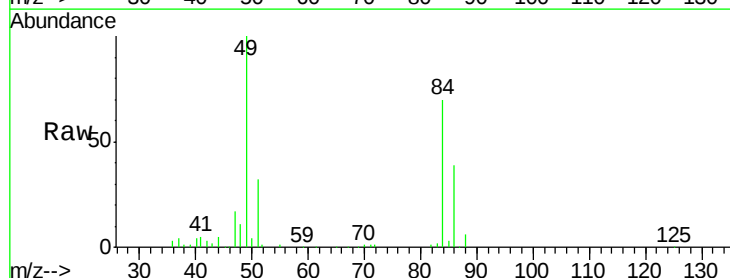
Tgt Ion: 84 Resp: 54489

Ion Ratio Lower Upper

84 100

86 56.1 44.4 82.4

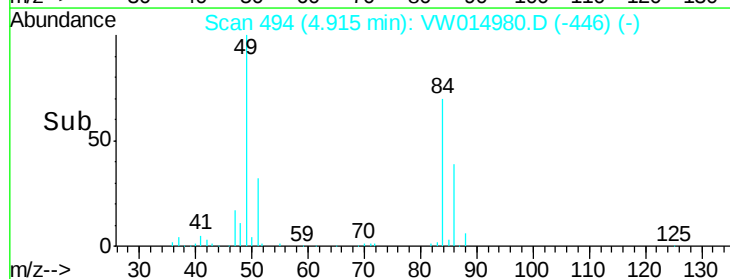
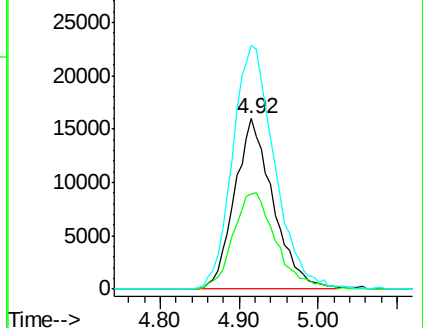
49 142.9 109.0 202.4

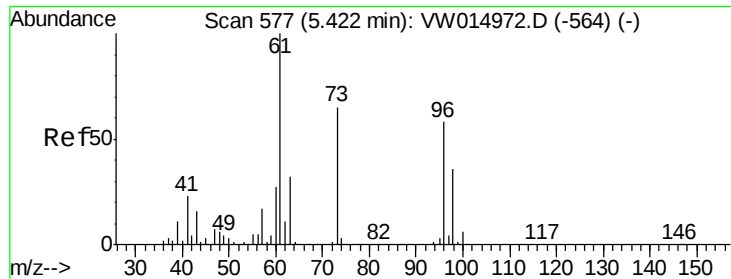


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 86.00 (85.70 to 86.70): VW

Ion 49.00 (48.70 to 49.70): VW





#17

trans-1,2-Dichloroethene

Concen: 0.959 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

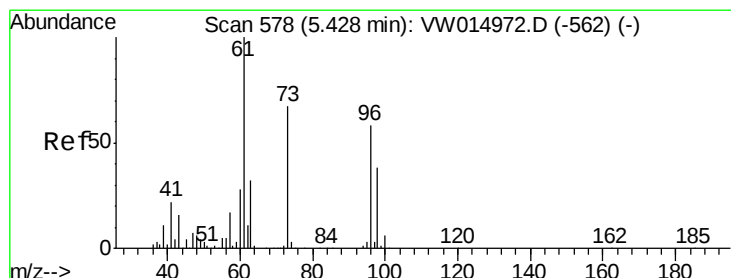
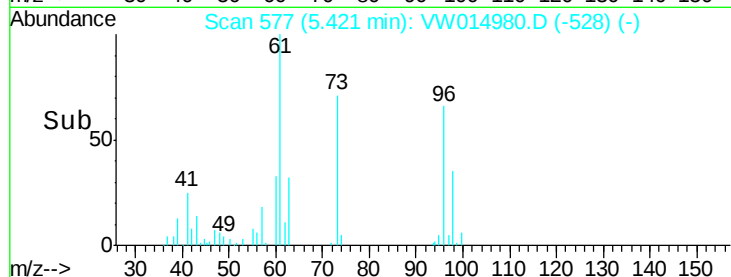
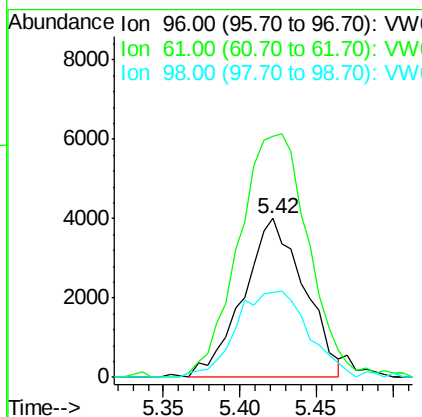
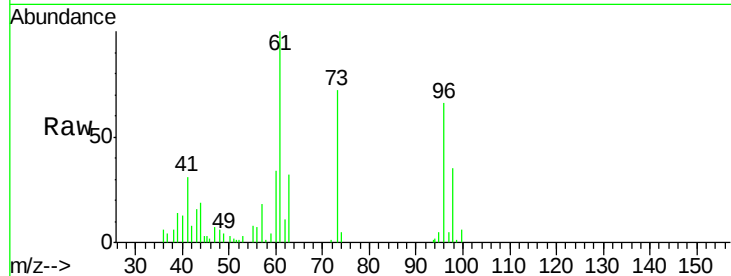
ClientSampleId :

MDL02

Tot Ion:	96	Resp:	11129
Ion	Ratio	Lower	Upper
96	100		
61	151.5	120.1	223.1
98	55.1	43.8	81.3

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#18

Methyl tert-butyl Ether

Concen: 0.977 ug/L

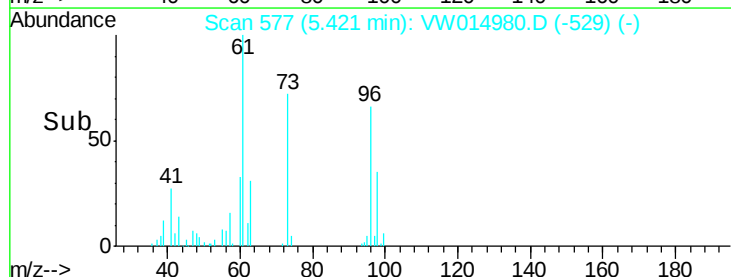
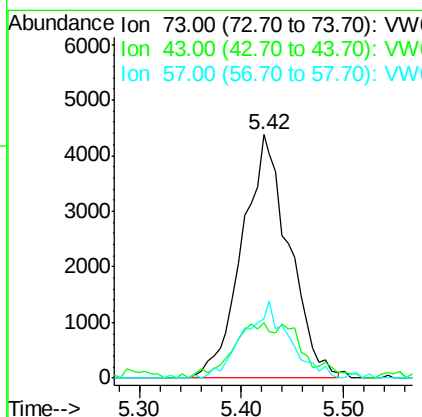
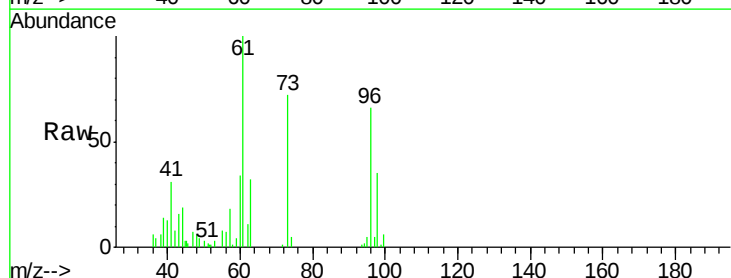
RT: 5.42 min Scan# 577

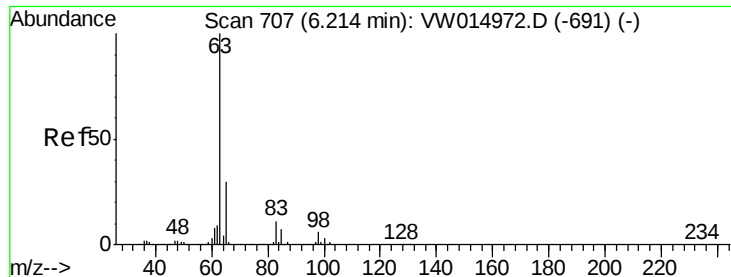
Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Tgt Ion:	73	Resp:	13990
Ion	Ratio	Lower	Upper
73	100		
43	8.1	19.6	29.4#
57	20.7	21.0	31.4#





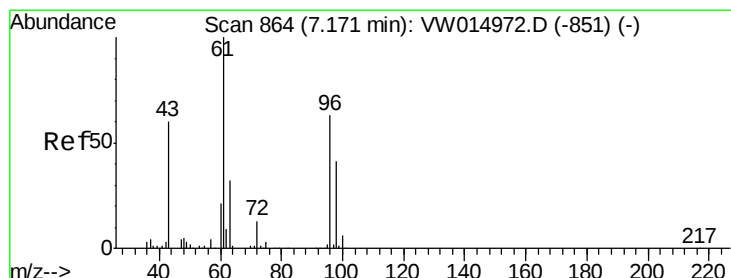
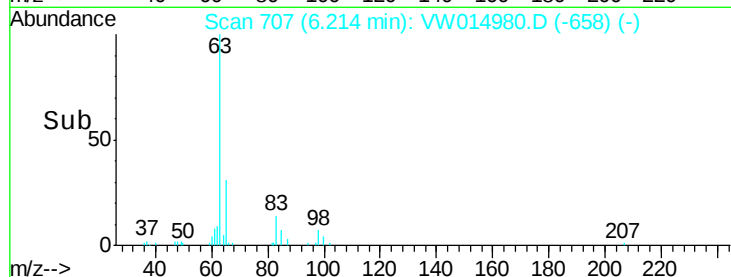
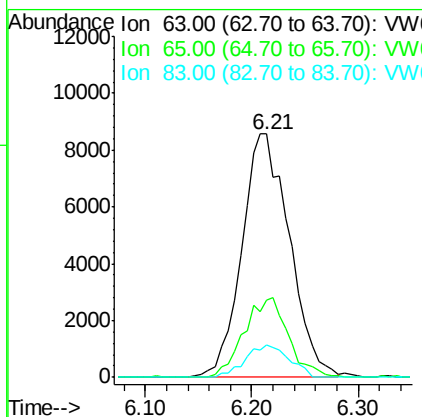
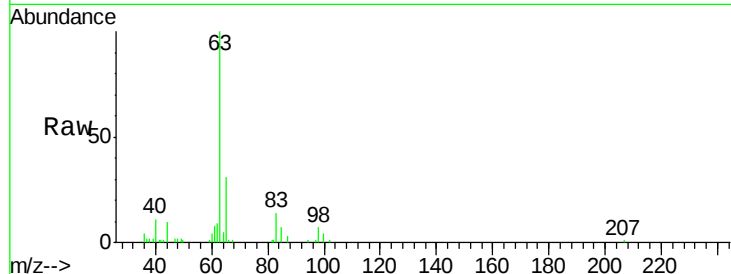
#19
 1,1-Dichloroethane
 Concen: 1.034 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion:	63	Resp:	26799
Ion	Ratio	Lower	Upper
63	100		
65	31.5	20.9	38.7
83	13.6	7.8	14.6

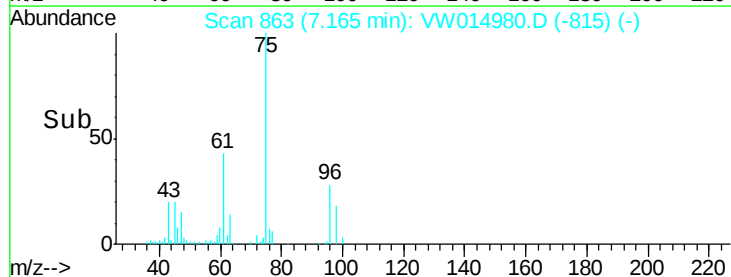
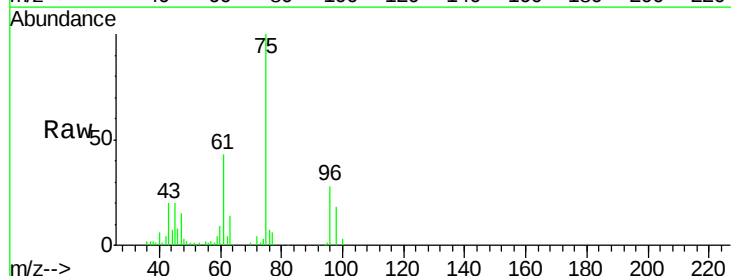
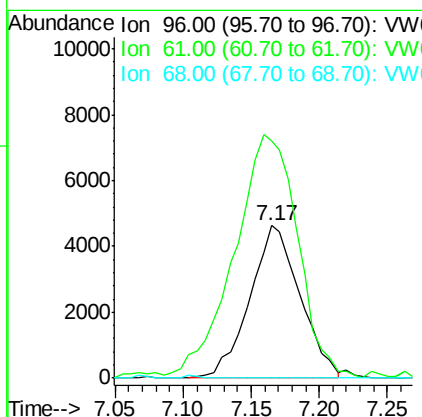
Manual Integrations
 APPROVED

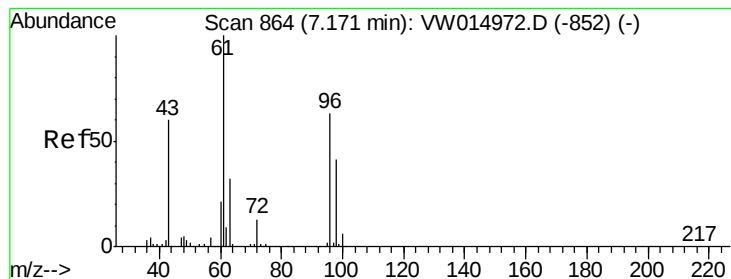
MMDadoda
 2/14/2020 4:28:54 PM



#20
 cis-1,2-Dichloroethene
 Concen: 0.999 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion:	96	Resp:	11942
Ion	Ratio	Lower	Upper
96	100		
61	155.3	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.192 ug/L m

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 17344

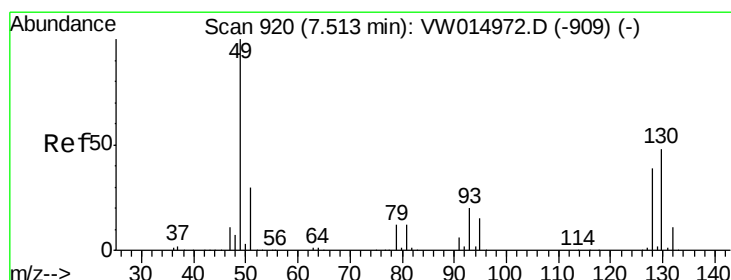
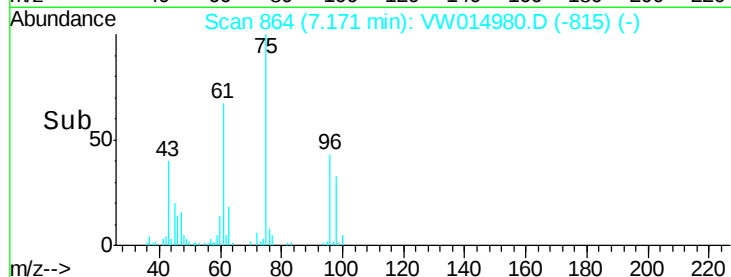
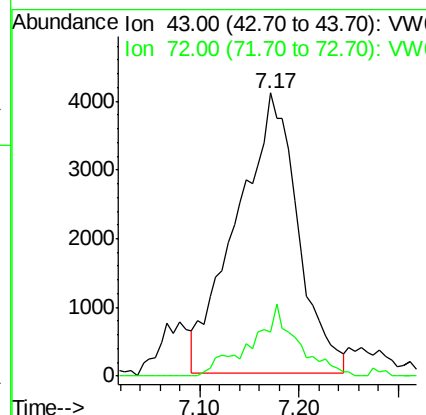
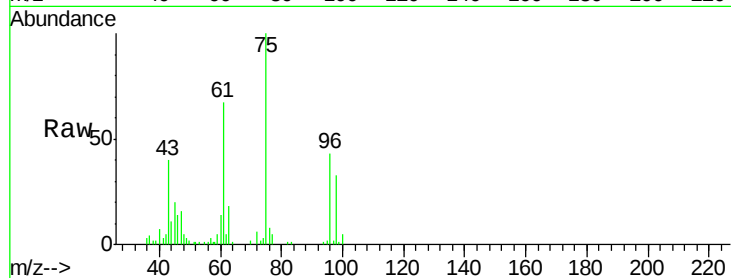
Ion Ratio Lower Upper

43 100

72 10.1 11.1 33.1#

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#23

Bromochloromethane

Concen: 1.085 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Tgt Ion: 128 Resp: 5260

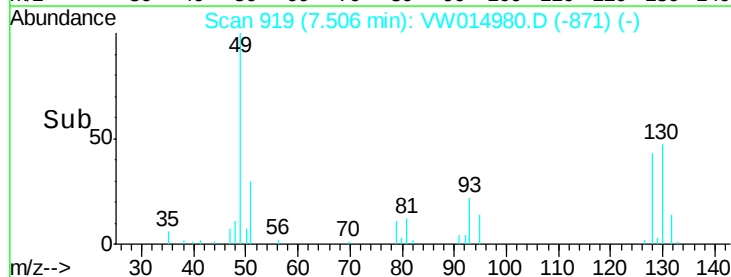
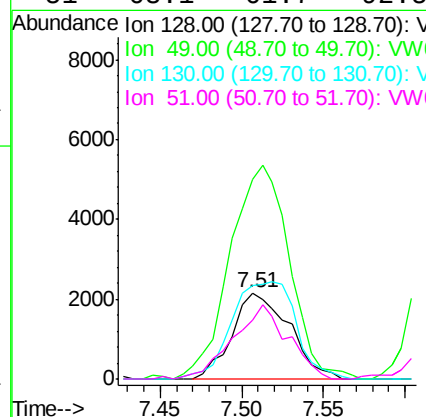
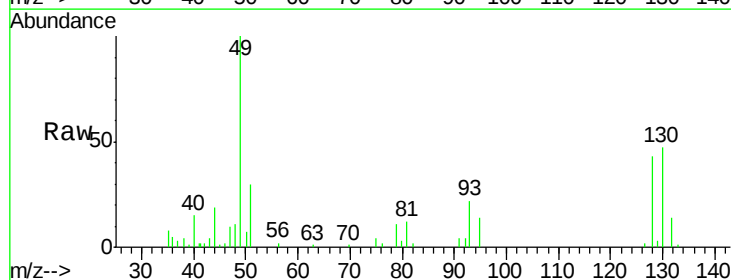
Ion Ratio Lower Upper

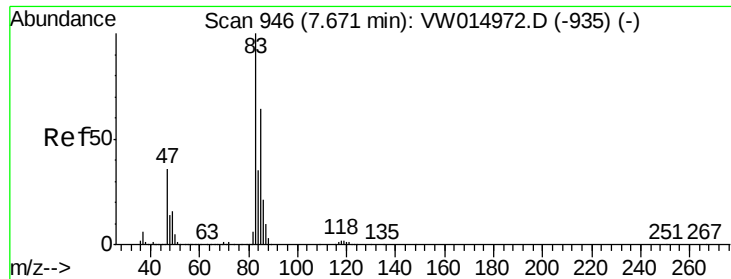
128 100

49 230.4 179.0 332.4

130 107.6 85.5 158.7

51 68.1 61.7 92.5





#25

Chloroform

Concen: 1.184 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

MDL02

Tot Ion: 83 Resp: 27330

Ion Ratio Lower Upper

83 100

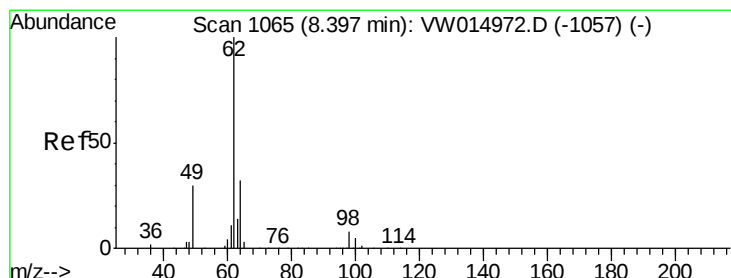
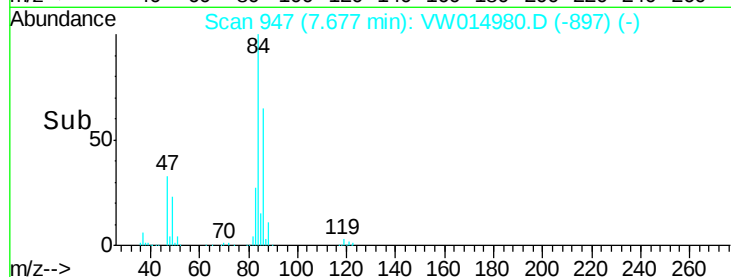
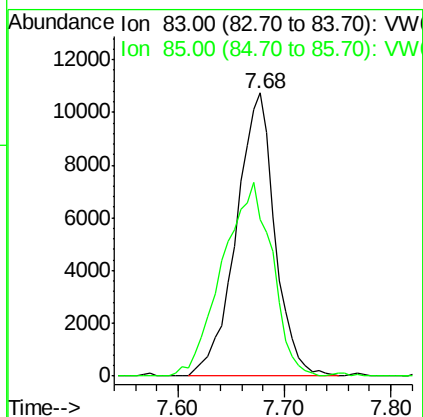
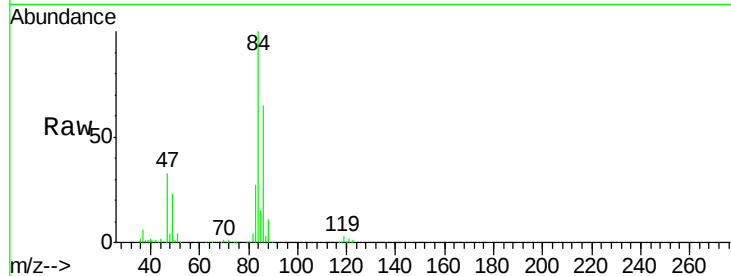
85 55.3 45.1 83.7

Manual Integrations

APPROVED

MMDadoda

2/14/2020 4:28:54 PM



#27

1,2-Dichloroethane

Concen: 1.059 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014980.D

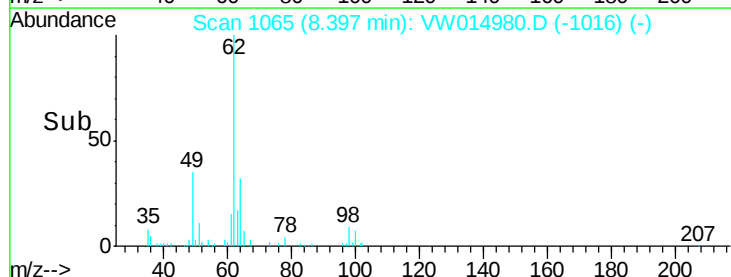
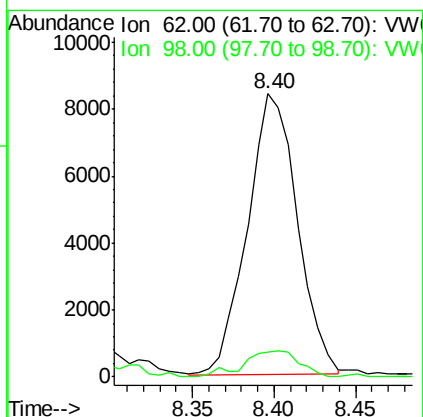
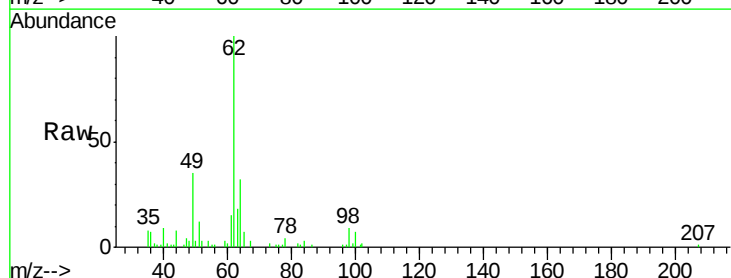
Acq: 13 Feb 2020 15:11

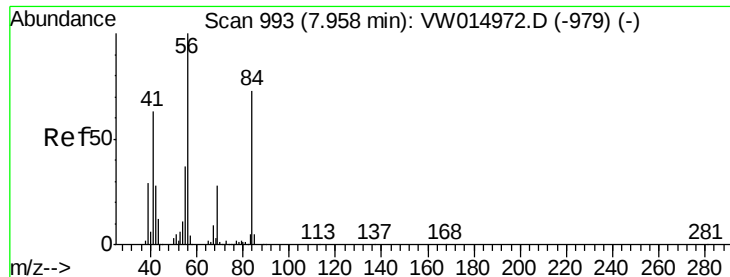
Tgt Ion: 62 Resp: 17970

Ion Ratio Lower Upper

62 100

98 9.0 6.2 9.4





#29

Cyclohexane

Concen: 0.794 ug/L m

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

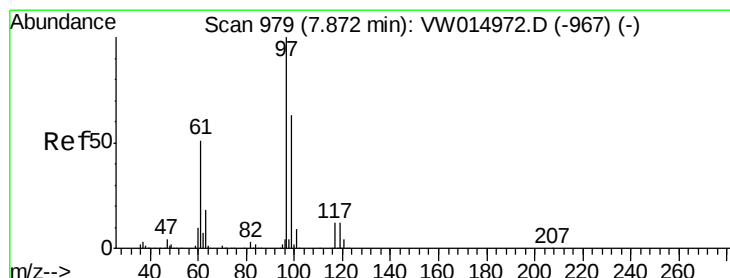
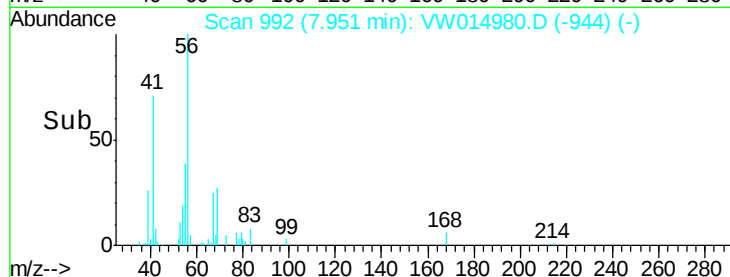
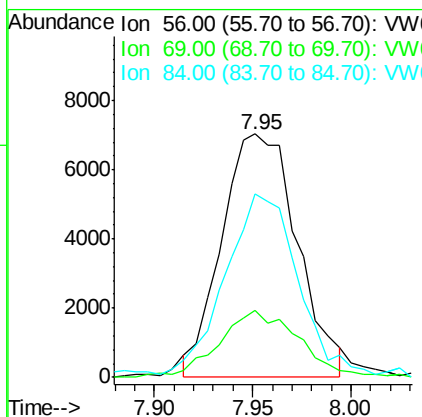
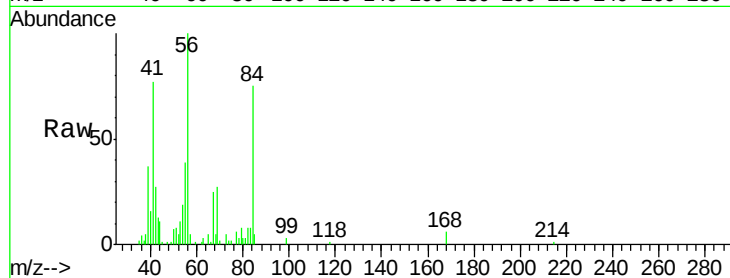
ClientSampleId :

MDL02

Tot Ion:	56	Resp:	18710
Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.0	33.0
84	70.7	57.8	86.6

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#30

1,1,1-Trichloroethane

Concen: 0.987 ug/L

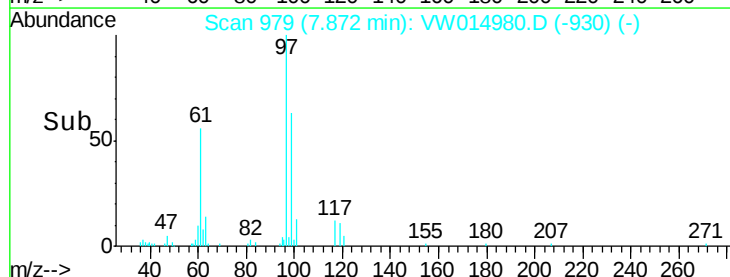
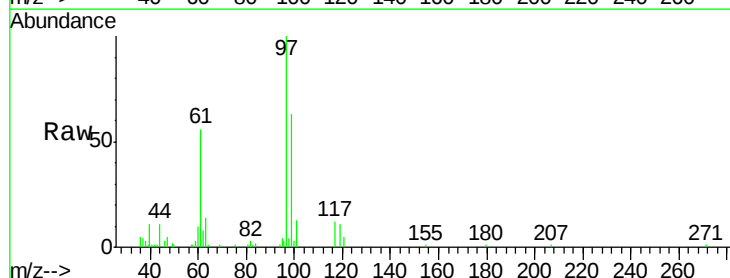
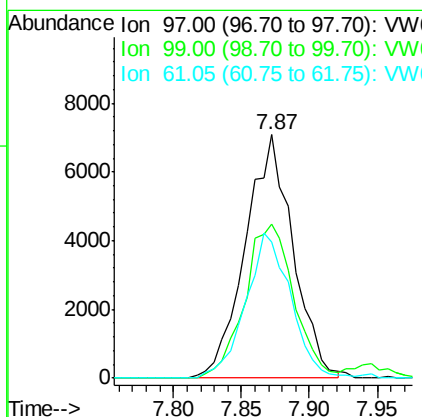
RT: 7.87 min Scan# 979

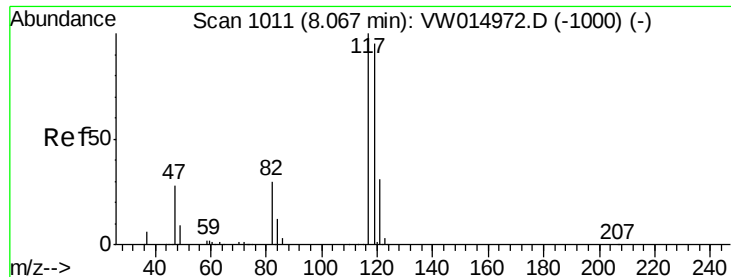
Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Tgt Ion:	97	Resp:	17351
Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.6	75.8
61	55.8	42.7	64.1





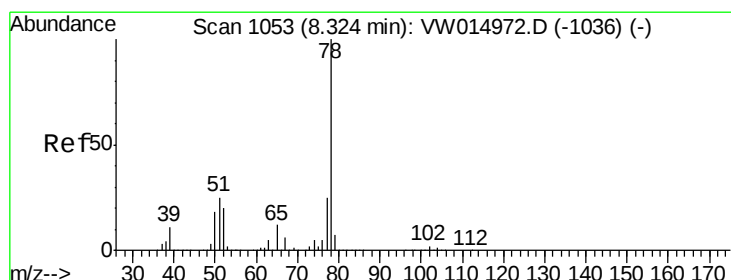
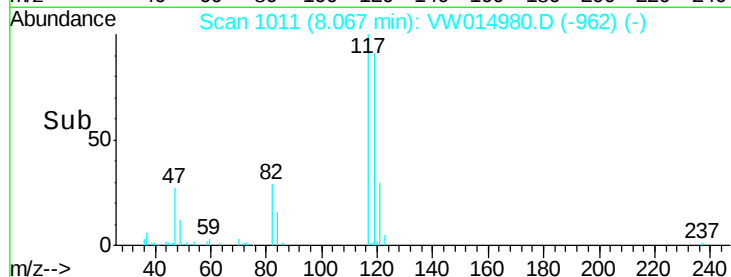
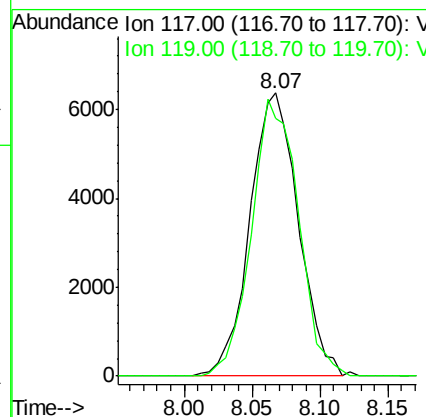
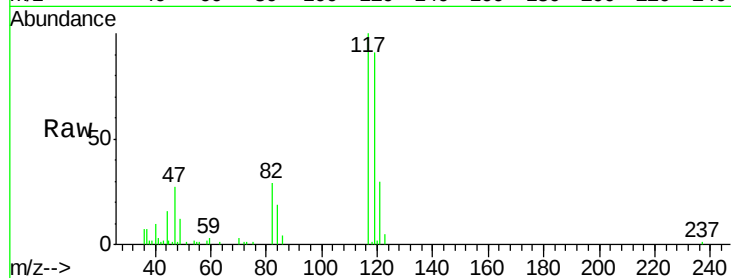
#31
Carbon tetrachloride
Concen: 1.001 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Tot Ion:117 Resp: 15862
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8

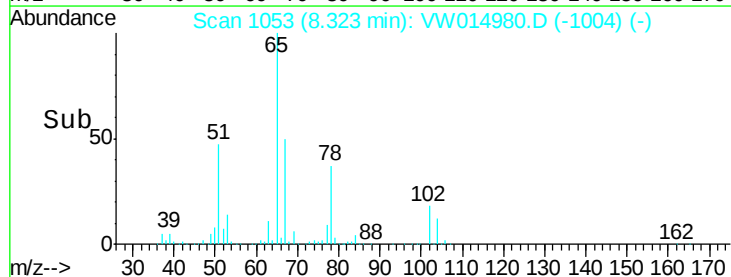
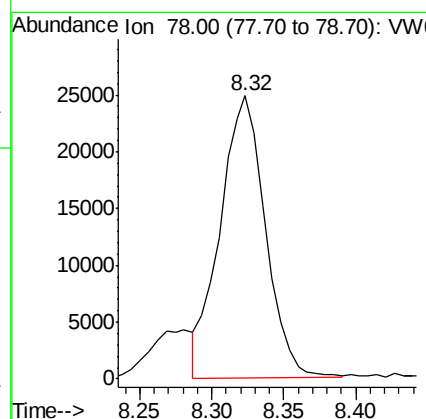
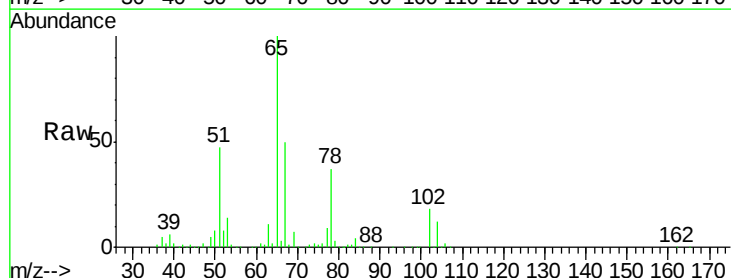
Manual Integrations
APPROVED

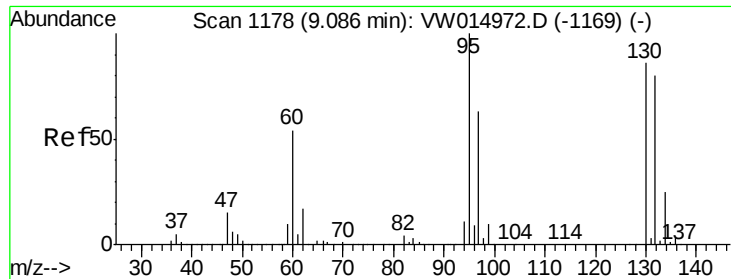
MMDadoda
2/14/2020 4:28:54 PM



#33
Benzene
Concen: 1.028 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion: 78 Resp: 54563





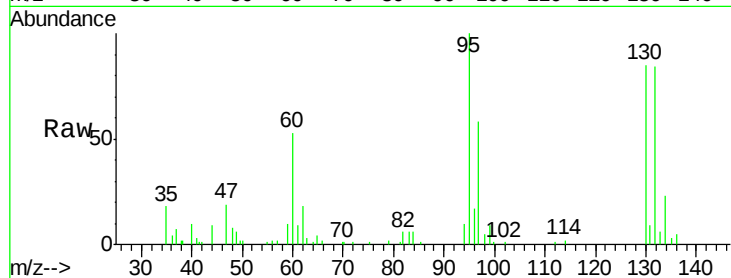
#34
 Trichloroethene
 Concen: 0.977 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
95	100		
97	57.7	44.2	82.0
132	84.4	56.1	104.3
130	85.4	60.1	111.7

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:28:54 PM



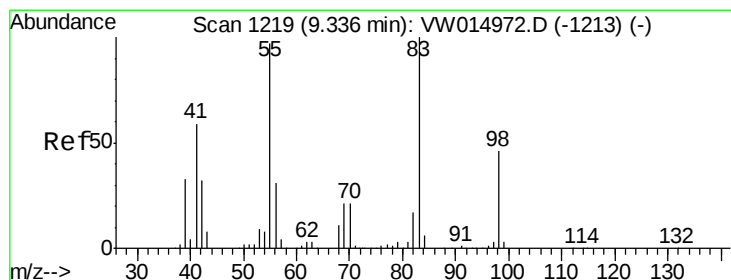
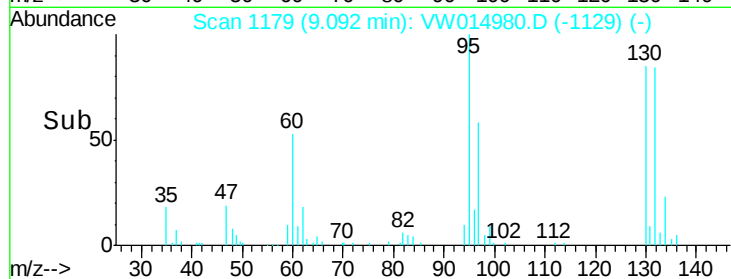
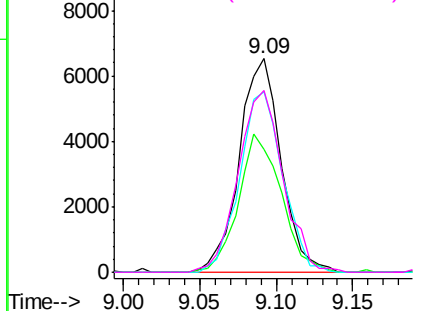
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

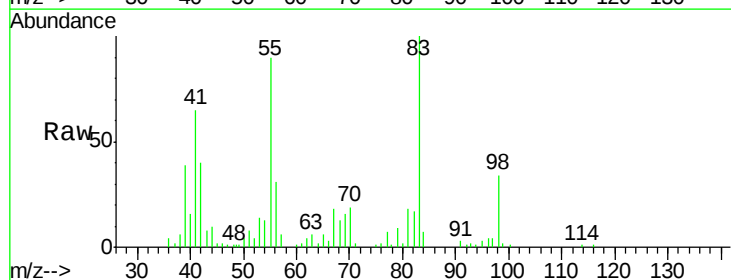
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 0.846 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
55	102.8	76.3	114.5
98	45.6	36.4	54.6

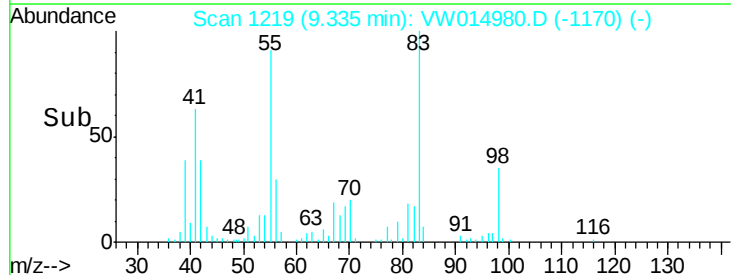
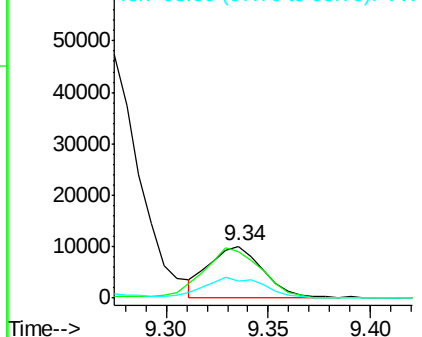


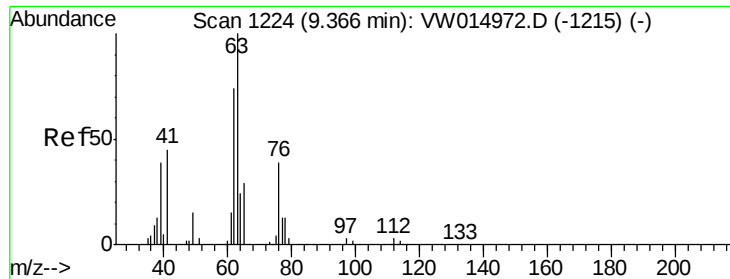
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





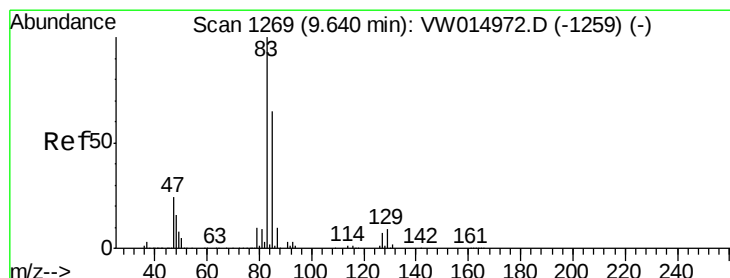
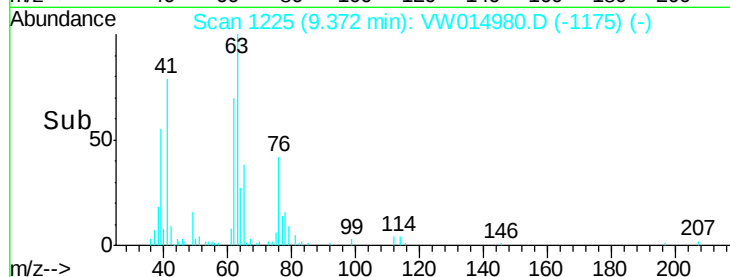
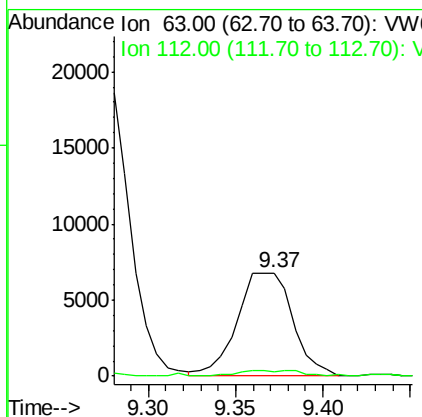
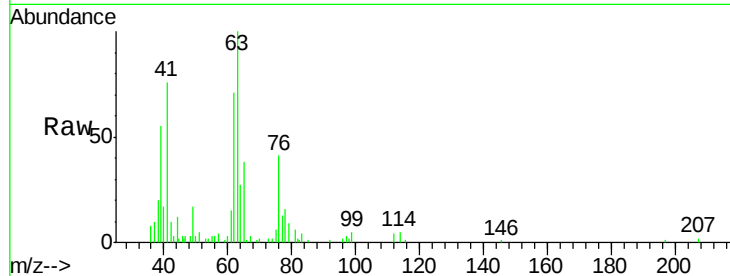
#37
 1,2-Dichloropropane
 Concen: 1.018 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion: 63 Resp: 15086
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0

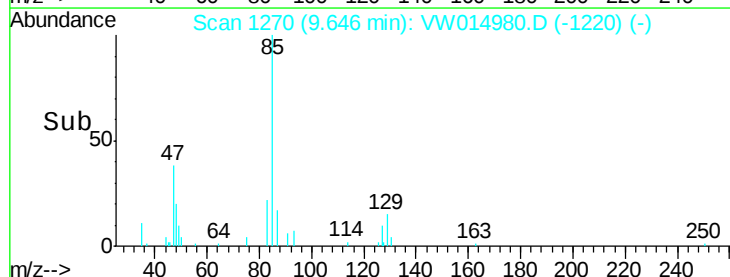
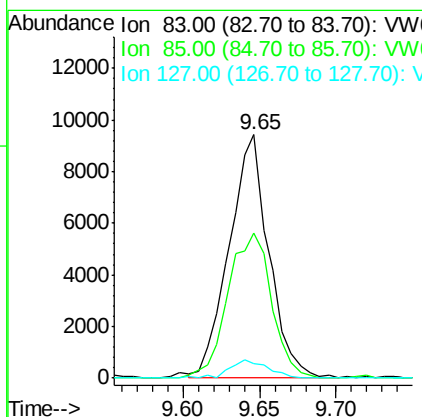
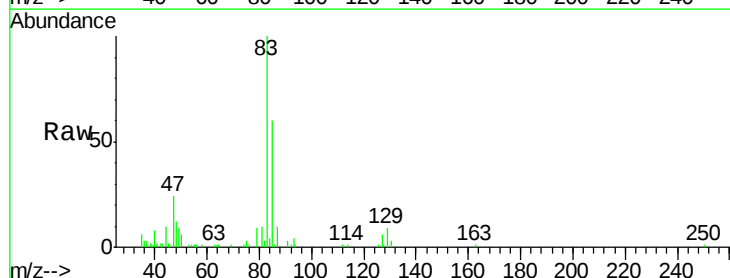
Manual Integrations
 APPROVED

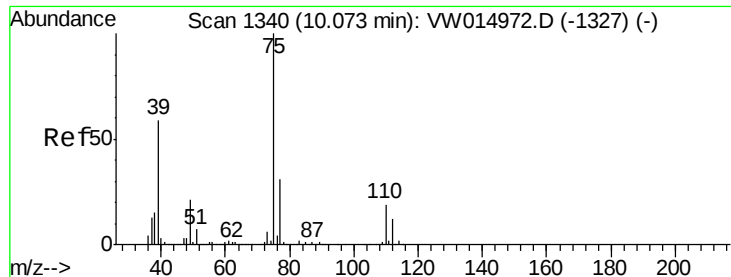
MMDadoda
 2/14/2020 4:28:54 PM



#38
 Bromodichloromethane
 Concen: 1.017 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion: 83 Resp: 16978
 Ion Ratio Lower Upper
 83 100
 85 59.6 45.2 84.0
 127 7.5 5.5 8.3





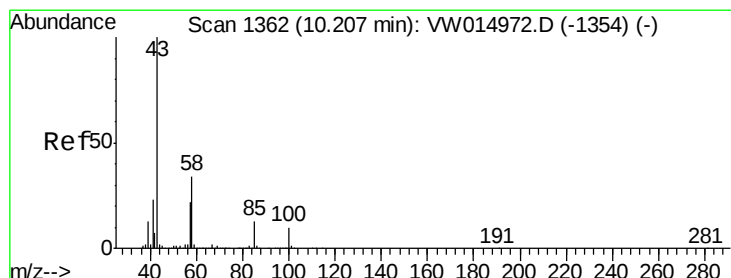
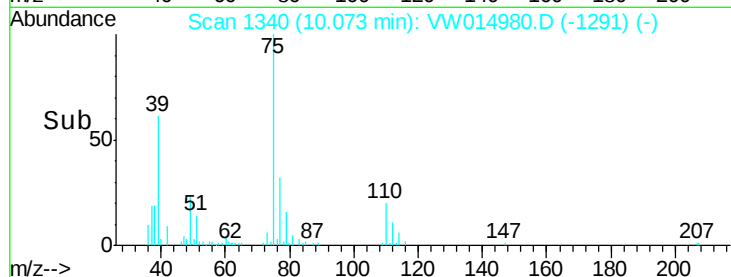
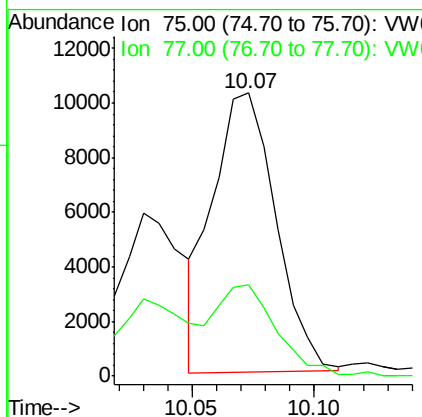
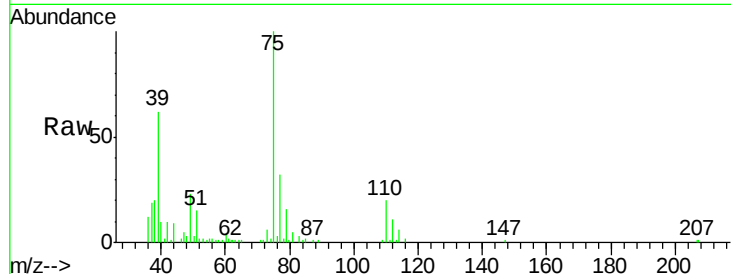
#39
 cis-1,3-Dichloropropene
 Concen: 0.924 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 18329
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.6 40.2

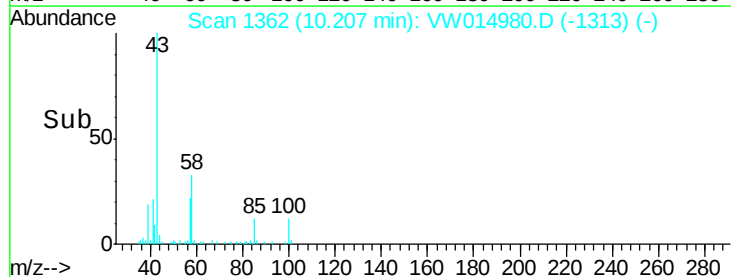
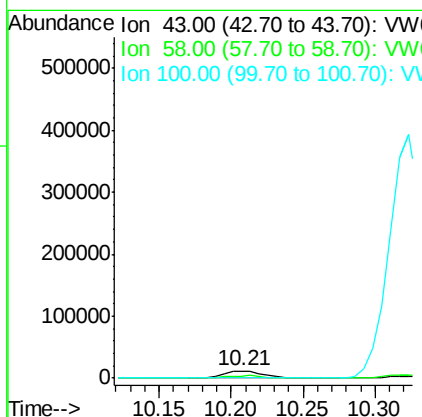
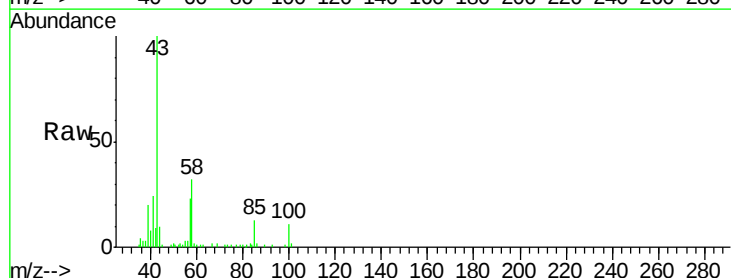
Manual Integrations
 APPROVED

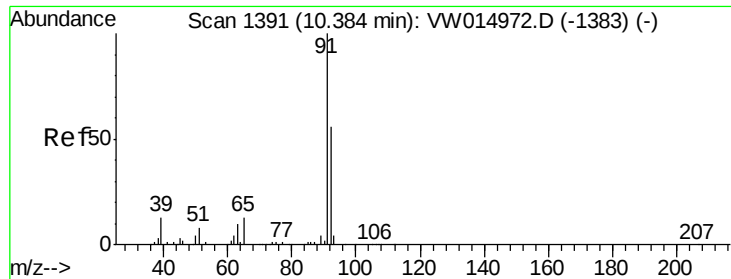
MMDadoda
 2/14/2020 4:28:54 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.080 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion: 43 Resp: 21948
 Ion Ratio Lower Upper
 43 100
 58 34.6 27.7 41.5
 100 10.5 8.6 13.0





#42

Toluene

Concen: 1.078 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tot Ion: 91 Resp: 55254

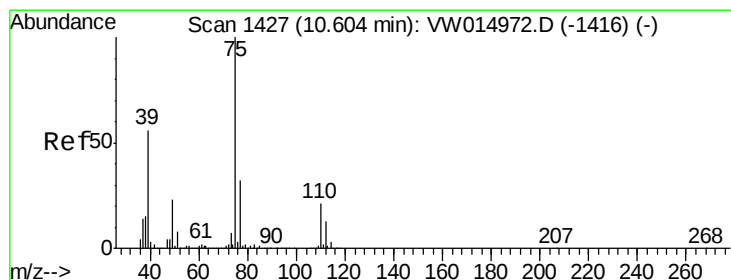
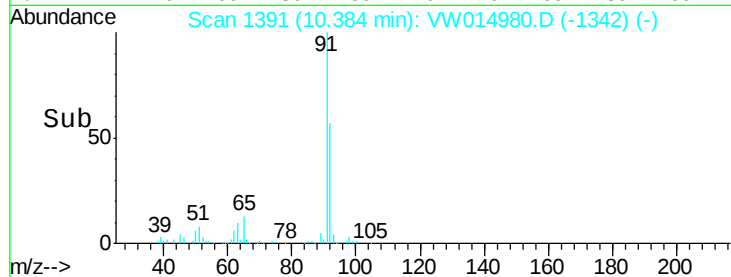
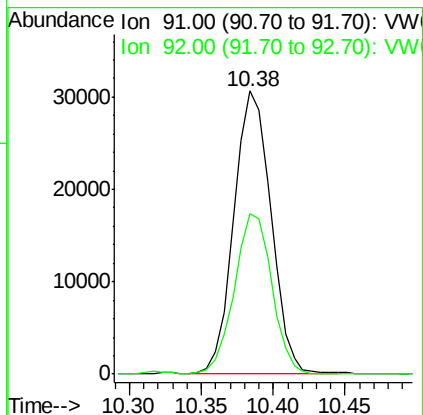
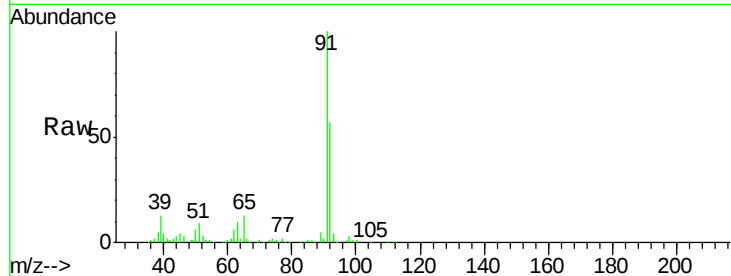
Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.3

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#44

trans-1,3-Dichloropropene

Concen: 1.203 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014980.D

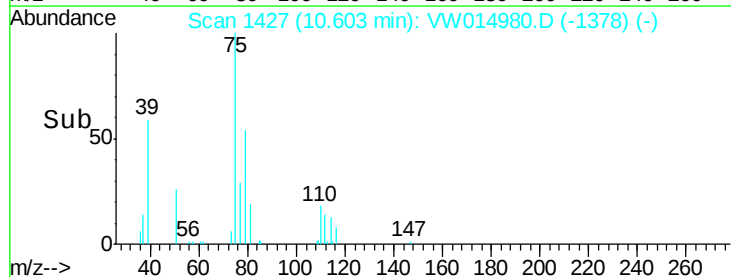
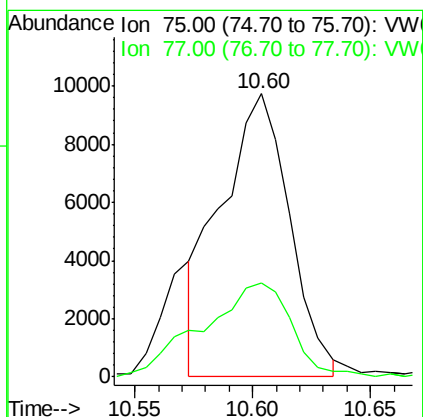
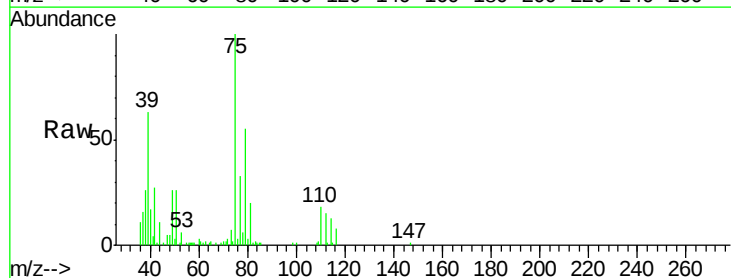
Acq: 13 Feb 2020 15:11

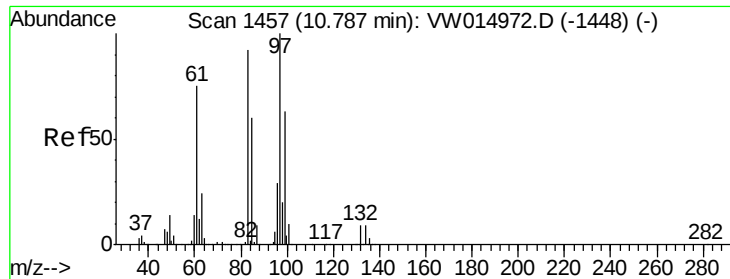
Tgt Ion: 75 Resp: 19788

Ion Ratio Lower Upper

75 100

77 33.0 22.7 42.1





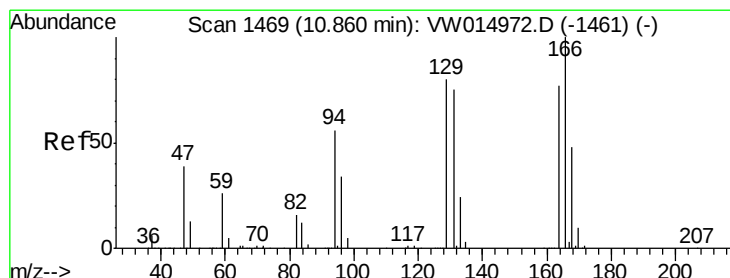
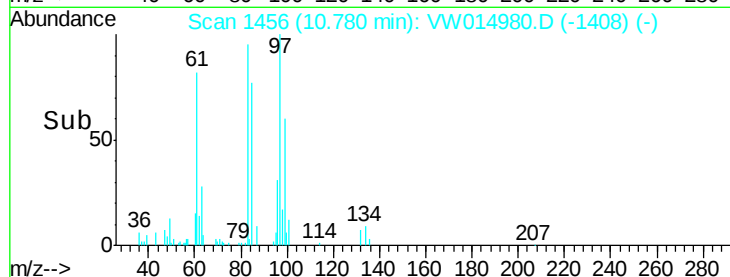
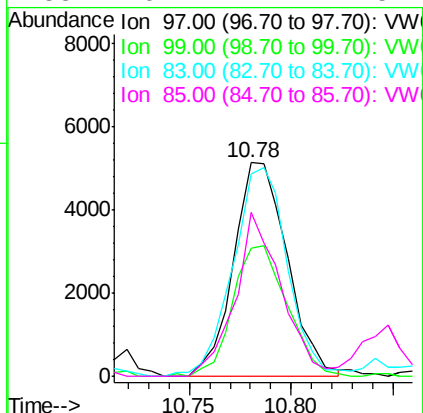
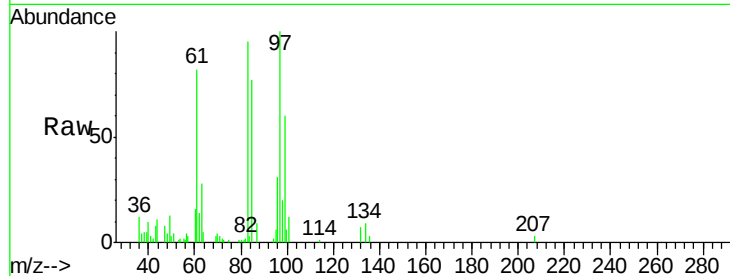
#45
1,1,2-Trichloroethane
Concen: 1.044 ug/L
RT: 10.78 min Scan# 1456
Delta R.T. -0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Tot Ion:	97	Resp:	9381
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.2	82.0
83	94.5	64.1	119.1
85	76.7	42.1	78.1

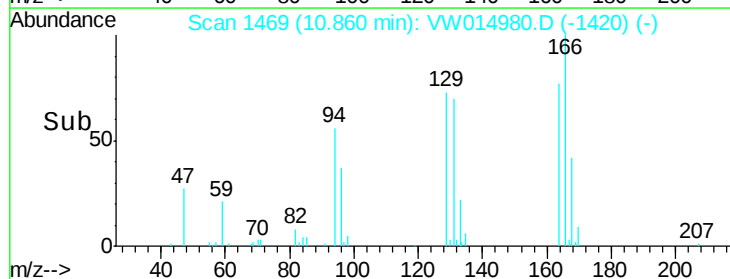
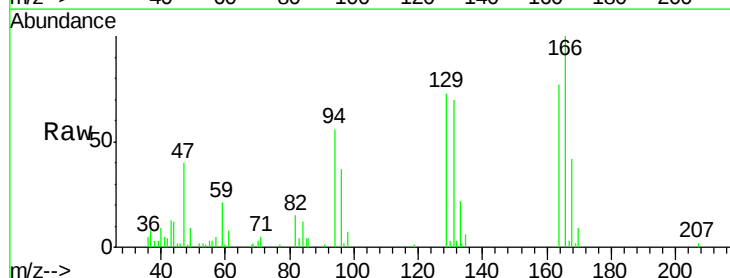
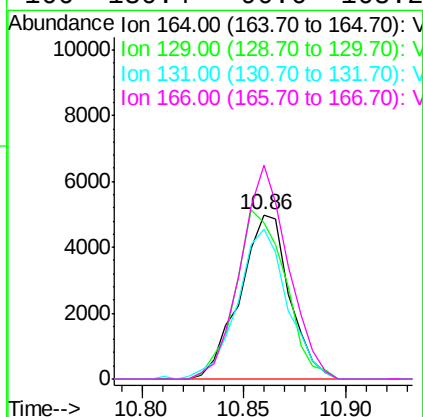
Manual Integrations
APPROVED

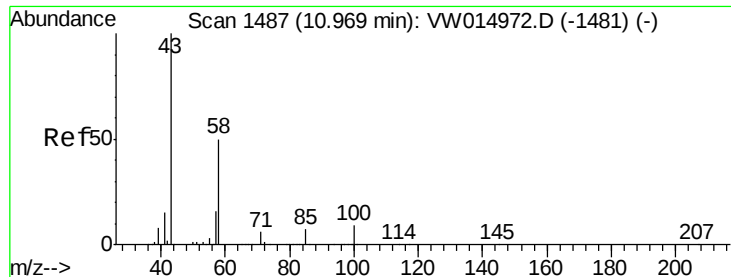
MMDadoda
2/14/2020 4:28:54 PM



#46
Tetrachloroethene
Concen: 1.022 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion:	164	Resp:	8436
Ion	Ratio	Lower	Upper
164	100		
129	95.6	72.2	134.2
131	91.1	68.1	126.5
166	130.4	90.6	168.2





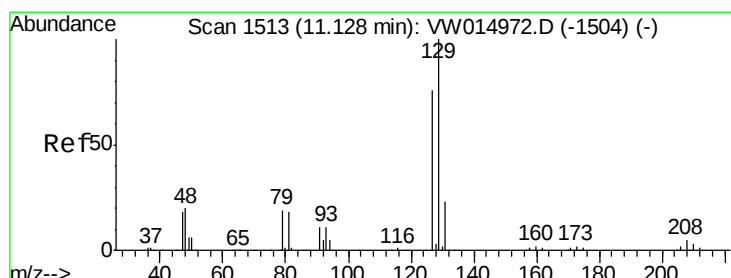
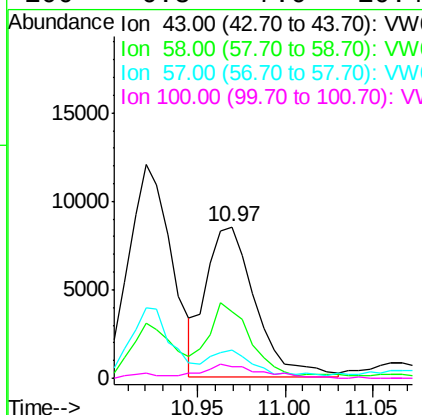
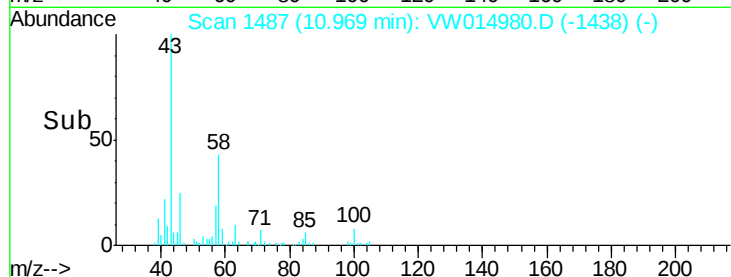
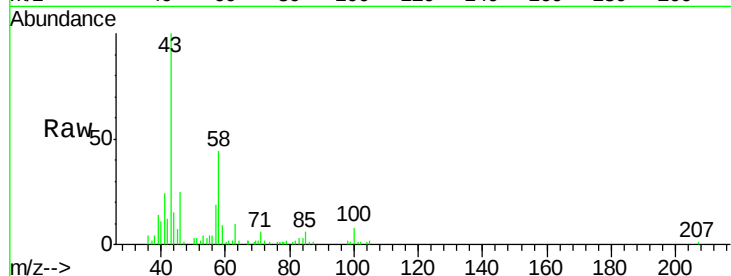
#48
2-Hexanone
Concen: 2.157 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	39.2	58.8
57	15.7	13.1	19.7
100	6.8	7.0	10.4

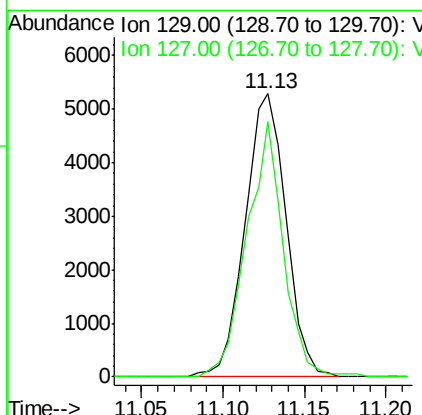
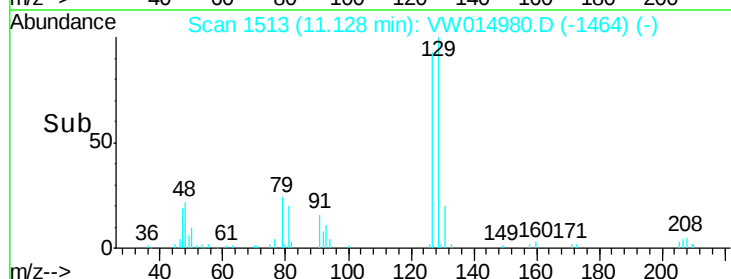
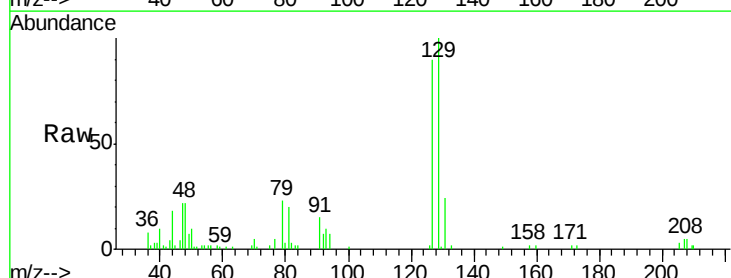
Manual Integrations
APPROVED

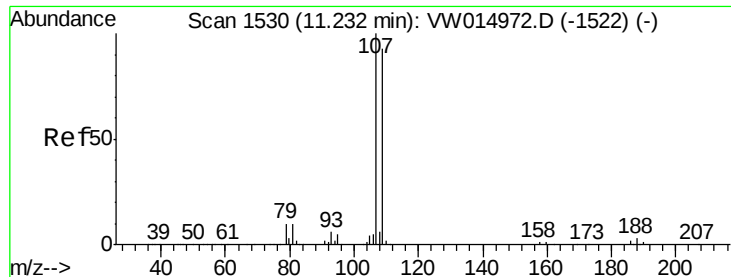
MMDadoda
2/14/2020 4:28:54 PM



#49
Dibromochloromethane
Concen: 0.986 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	89.0	53.0	98.4





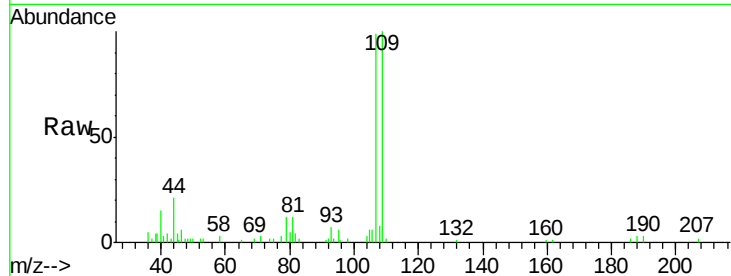
#50
1,2-Dibromoethane
Concen: 1.025 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.8	65.1	120.9
188	3.3	2.4	3.6

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM

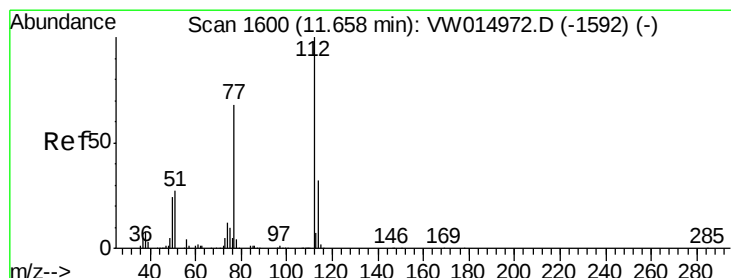
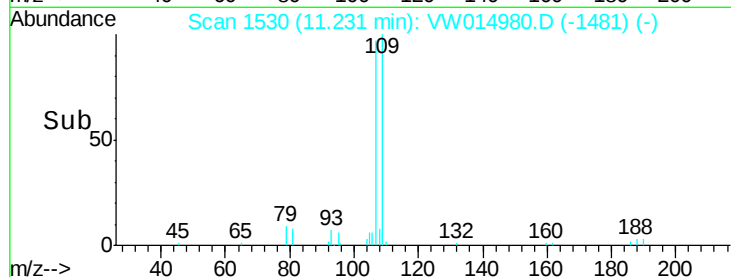
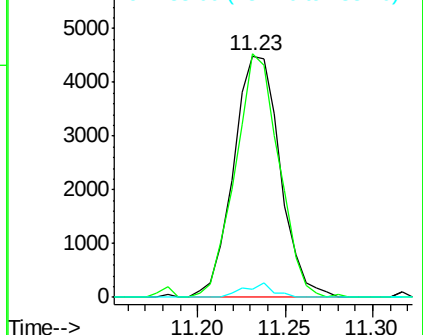


Abundance

Ion 107.00 (106.70 to 107.70): V

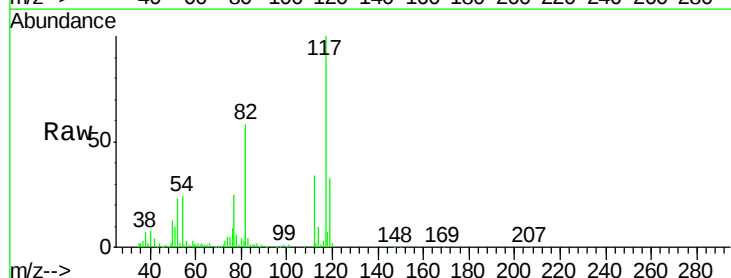
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 1.030 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.6	42.0
77	75.1	54.6	82.0

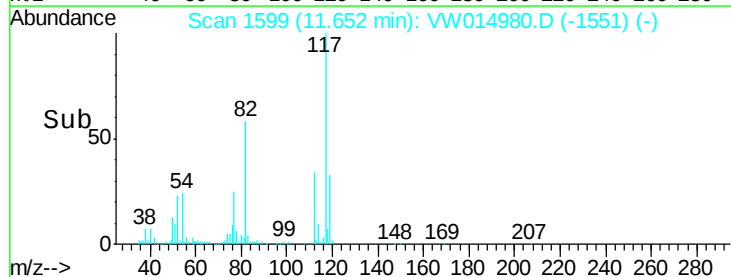
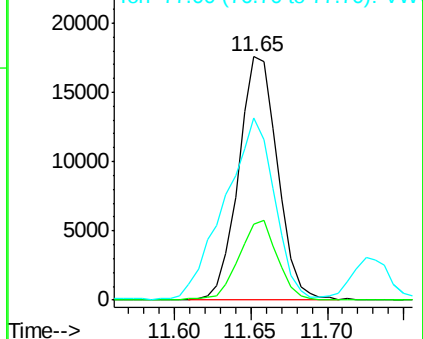


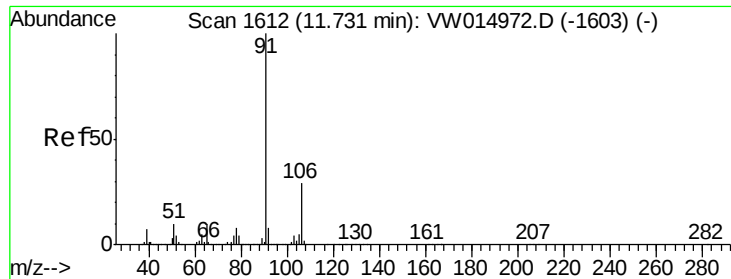
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 0.925 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 51678

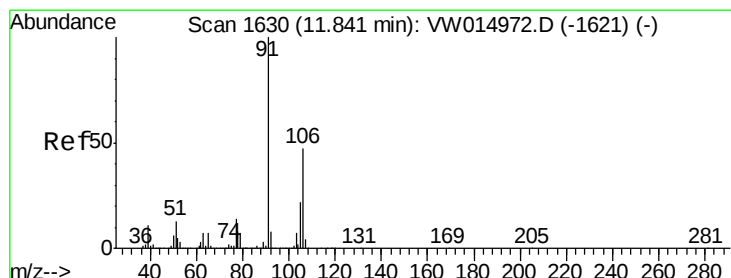
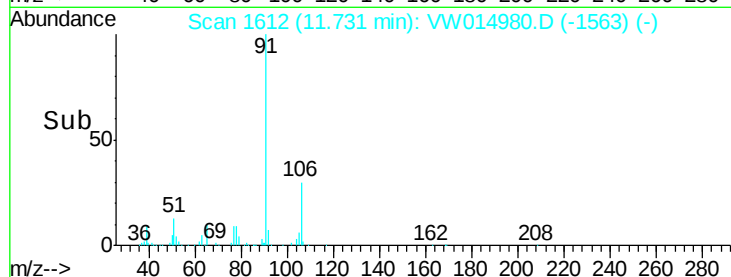
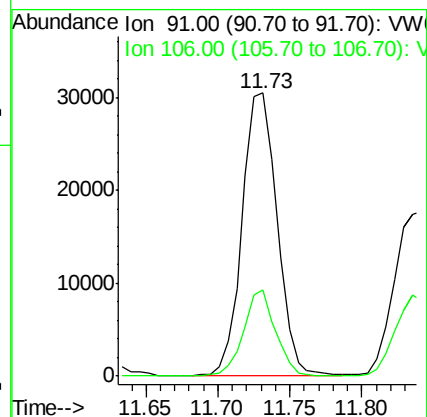
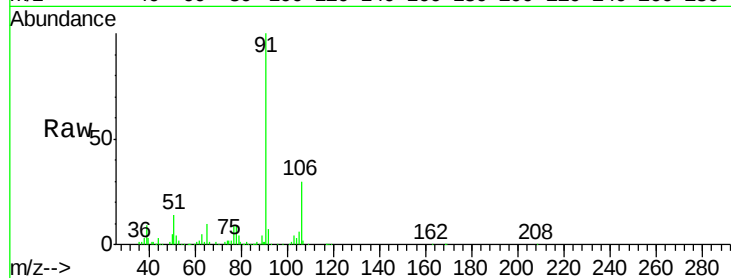
Ion Ratio Lower Upper

91 100

106 30.3 20.2 37.4

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#53

m,p-Xylene

Concen: 0.863 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014980.D

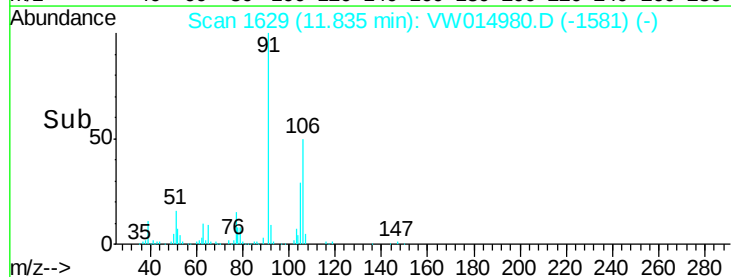
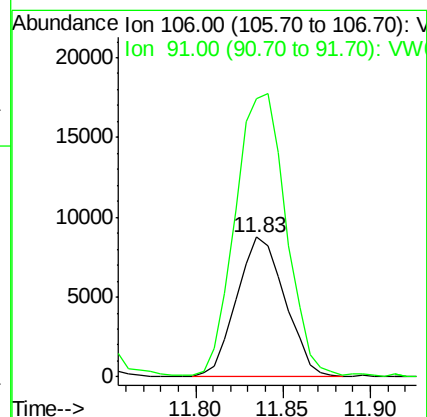
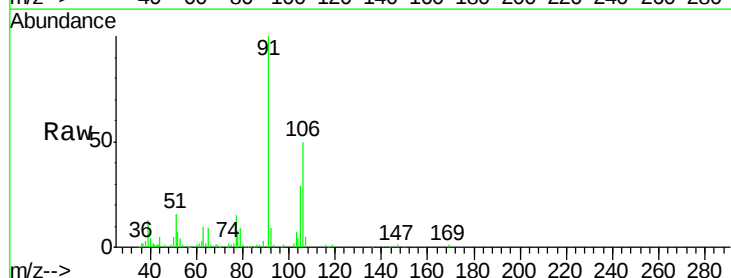
Acq: 13 Feb 2020 15:11

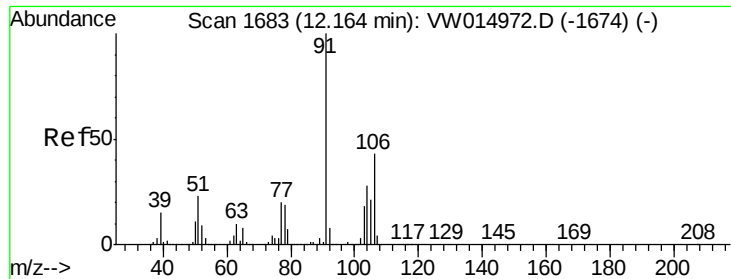
Tgt Ion: 106 Resp: 16901

Ion Ratio Lower Upper

106 100

91 198.8 149.2 277.2





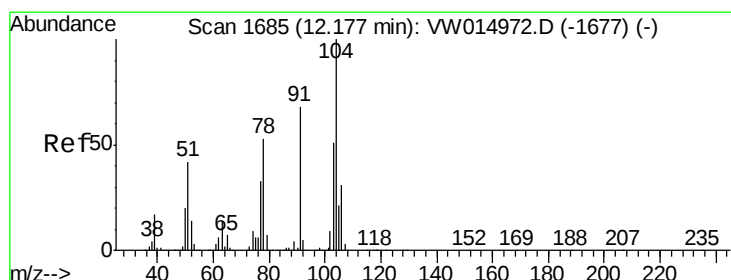
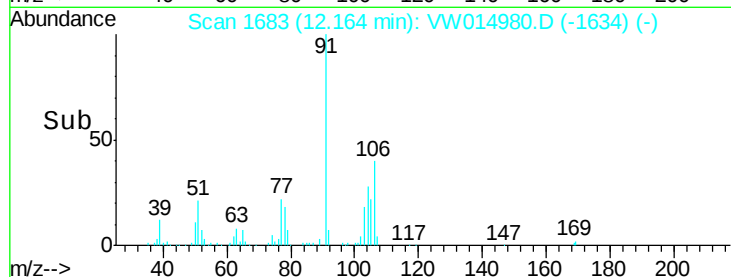
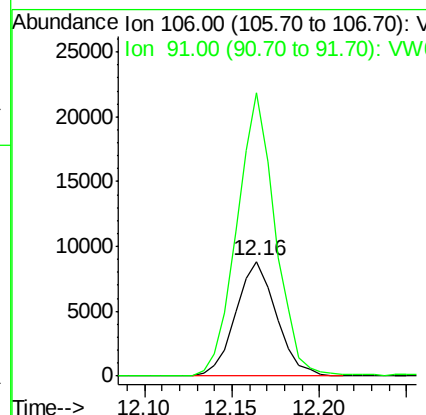
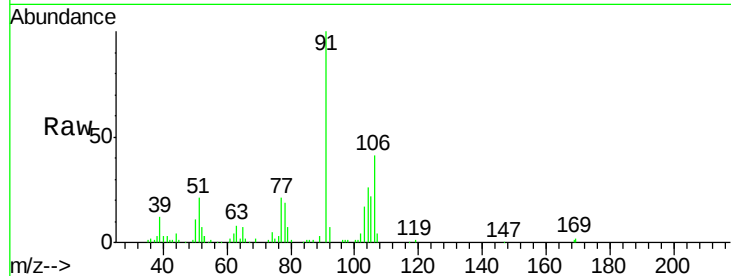
#54
o-Xylene
Concen: 0.778 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	246.4	163.7	304.1	

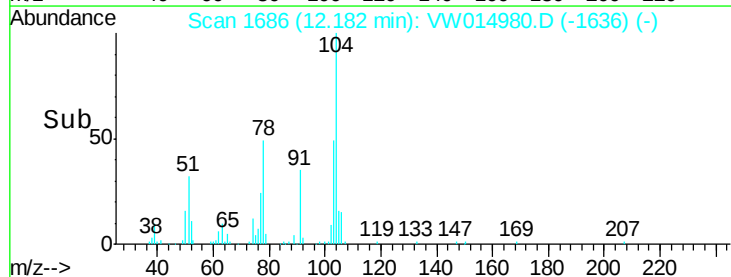
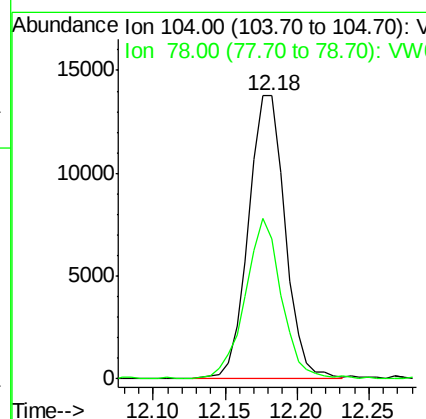
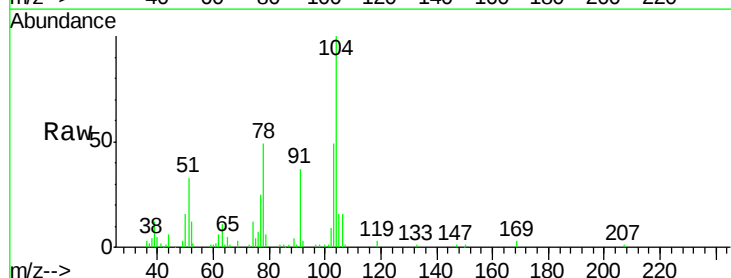
Manual Integrations
APPROVED

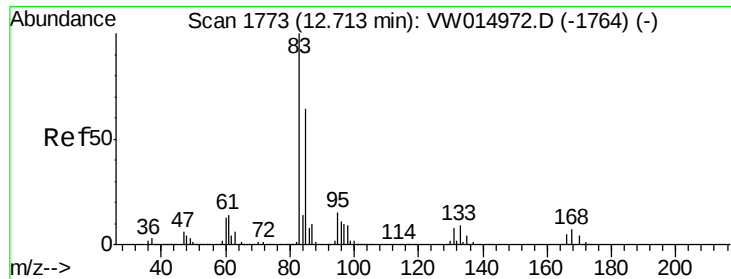
MMDadoda
2/14/2020 4:28:54 PM



#55
Styrene
Concen: 0.764 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.4	36.8	68.4	





#57

1,1,2,2-Tetrachloroethane

Concen: 1.116 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

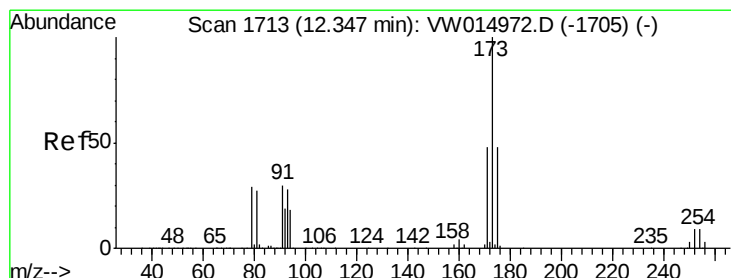
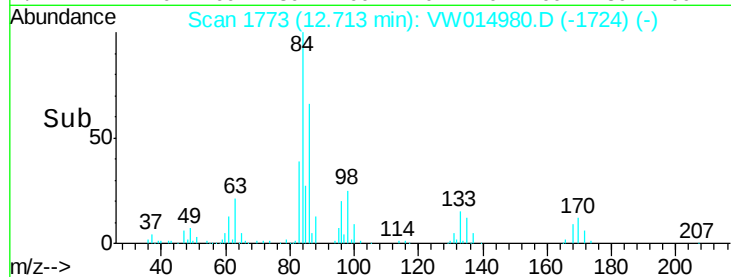
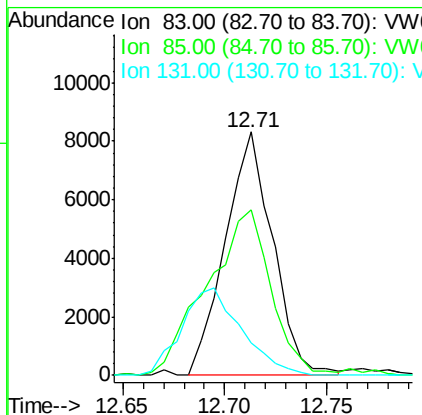
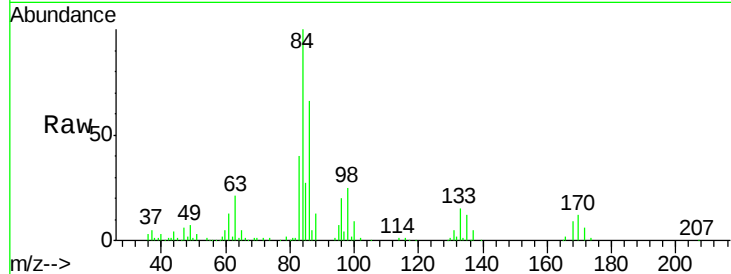
ClientSampled :

MDL02

Tot Ion:	83	Resp:	13420
Ion Ratio	Lower	Upper	
83	100		
85	68.2	44.9	83.5
131	13.3	6.2	9.2#

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#59

Bromoform

Concen: 1.103 ug/L

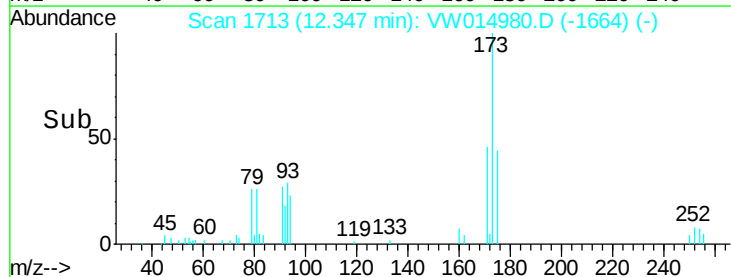
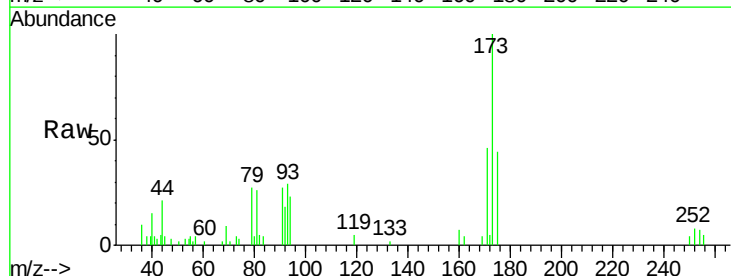
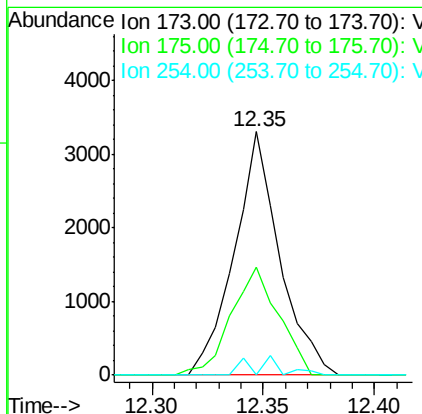
RT: 12.35 min Scan# 1713

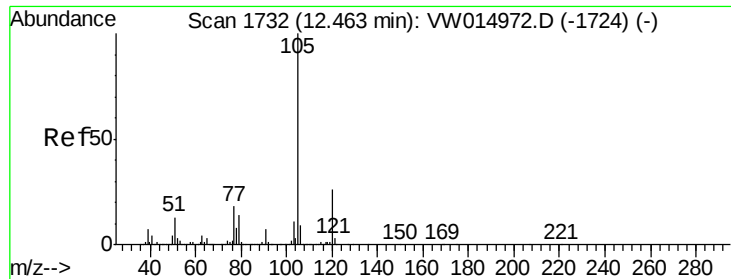
Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Tgt Ion:	173	Resp:	4691
Ion Ratio	Lower	Upper	
173	100		
175	46.1	39.0	58.4
254	2.1	7.1	10.7#





#60

Isopropylbenzene

Concen: 0.851 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Instrument :

MSVOA_W

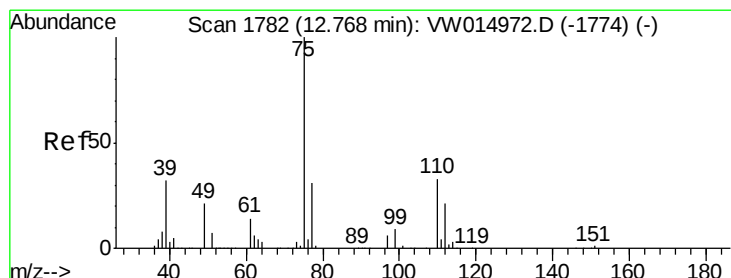
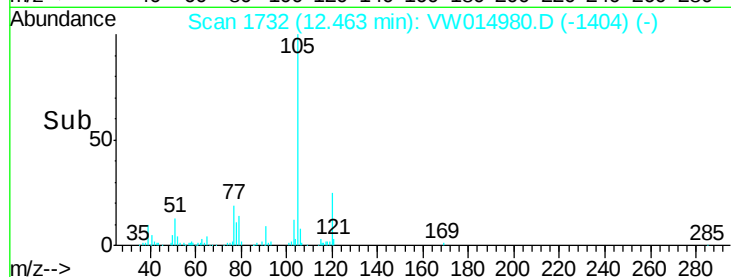
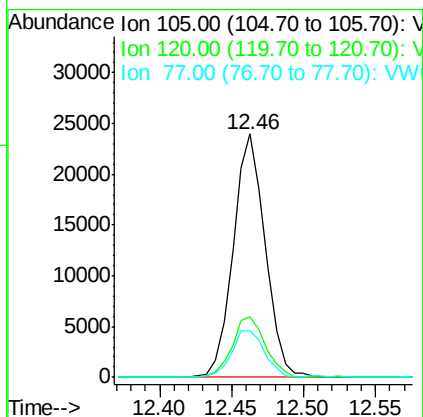
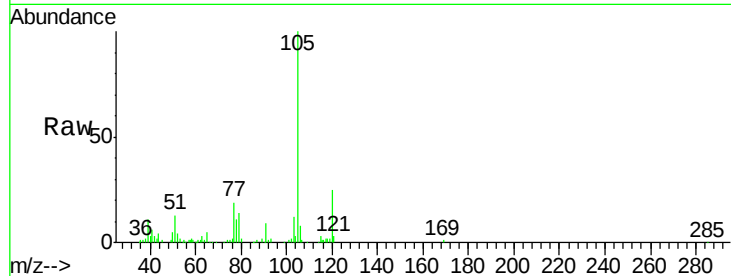
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	37086
Ion Ratio	Lower	Upper	
105	100		
120	25.9	20.1	30.1
77	20.3	14.4	21.6

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#61

1,2,3-Trichloropropane

Concen: 1.159 ug/L

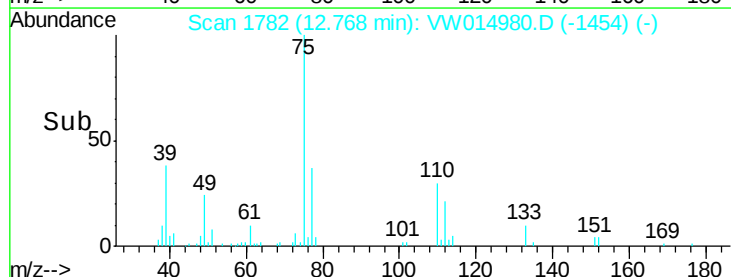
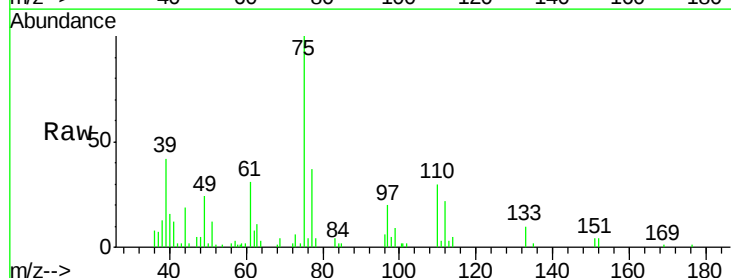
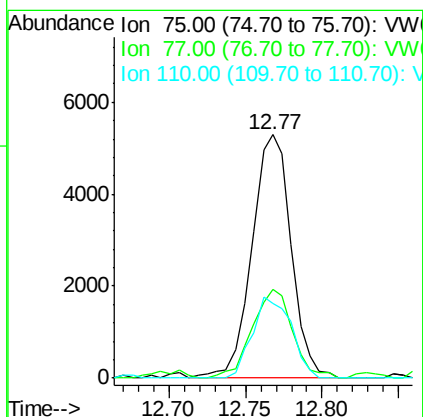
RT: 12.77 min Scan# 1782

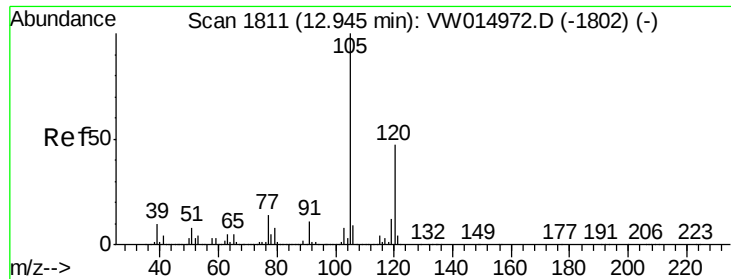
Delta R.T. -0.00 min

Lab File: VW014980.D

Acq: 13 Feb 2020 15:11

Tgt Ion:	75	Resp:	9454
Ion Ratio	Lower	Upper	
75	100		
77	37.1	25.8	38.6
110	32.9	26.6	39.8





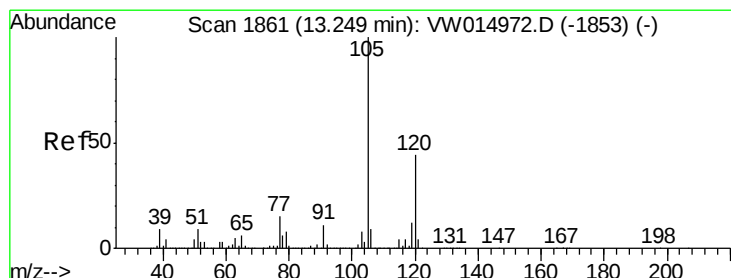
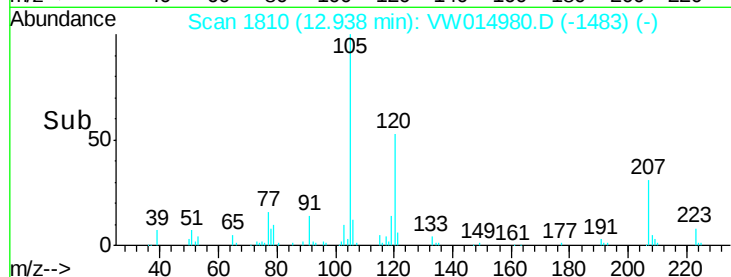
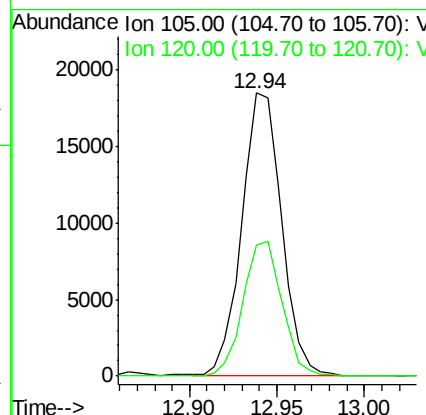
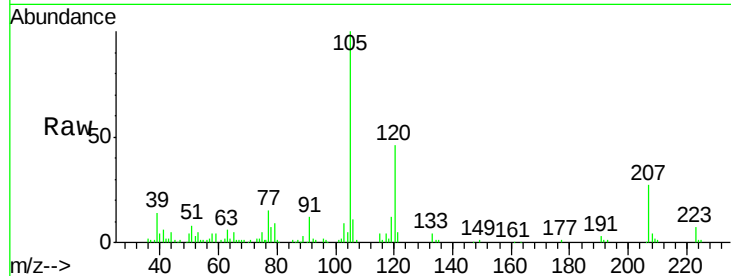
#62
 1,3,5-Trimethylbenzene
 Concen: 0.850 ug/L
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.4	56.0

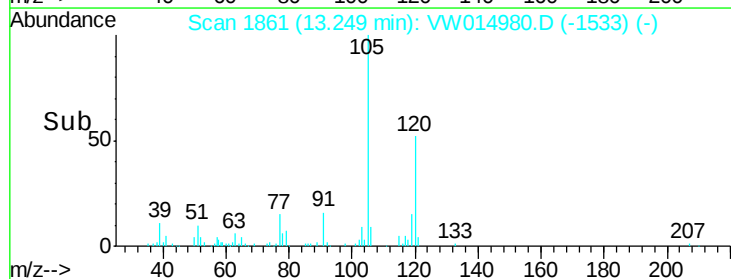
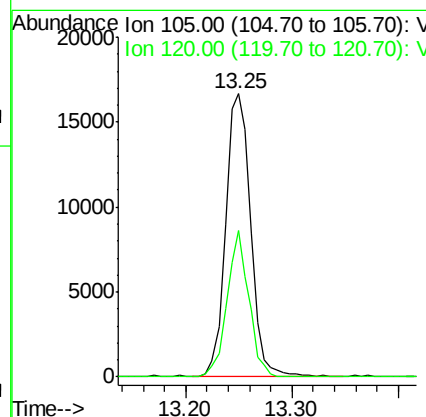
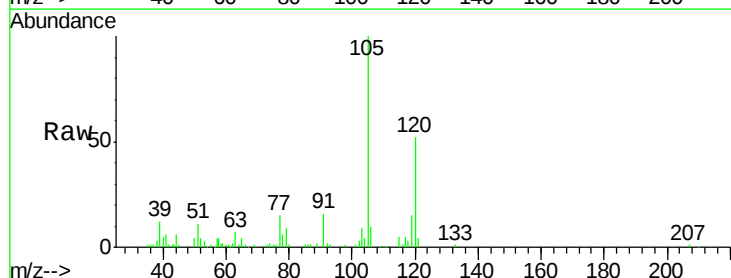
Manual Integrations
 APPROVED

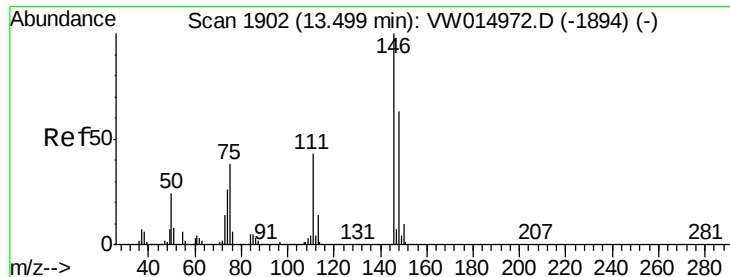
MMDadoda
 2/14/2020 4:28:54 PM



#63
 1,2,4-Trimethylbenzene
 Concen: 0.807 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	35.0	52.4





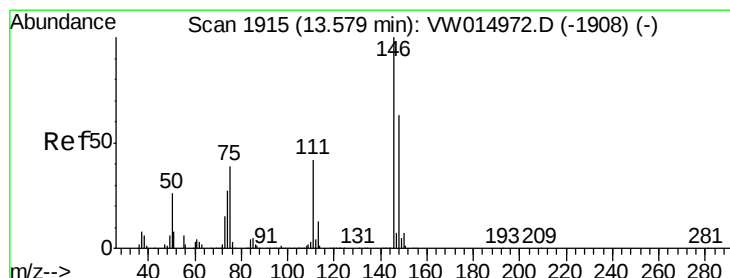
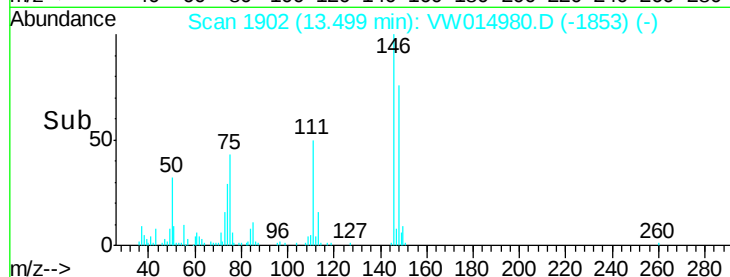
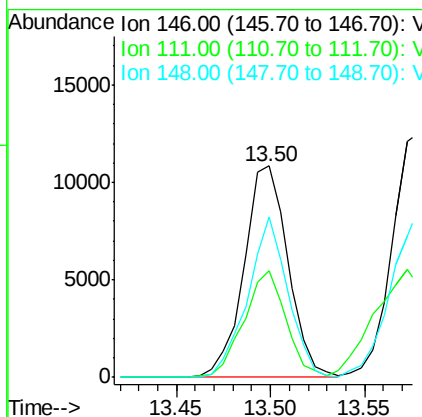
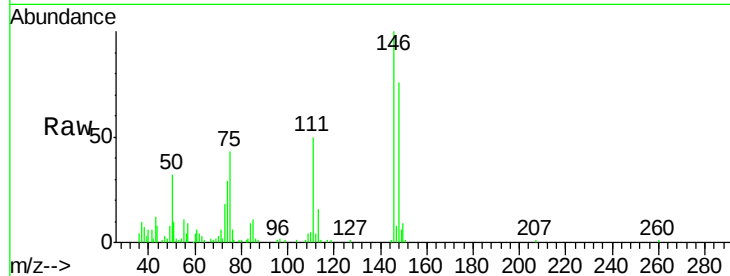
#64
 1,3-Dichlorobenzene
 Concen: 0.980 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	30.2	56.0
148	75.8	44.2	82.2

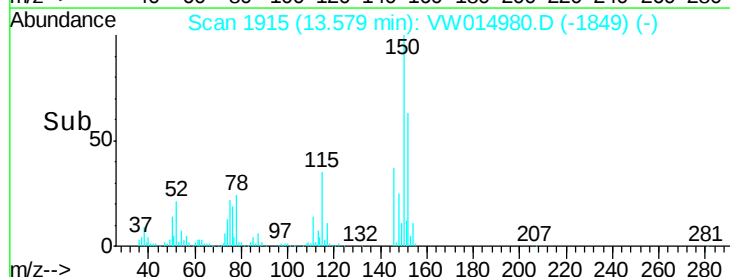
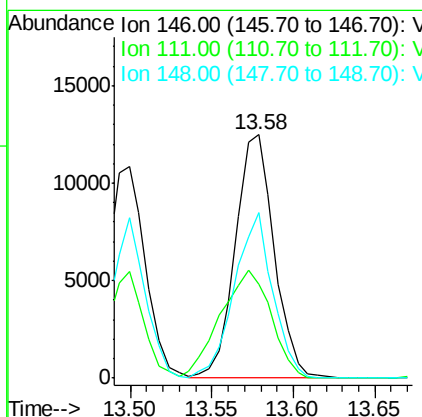
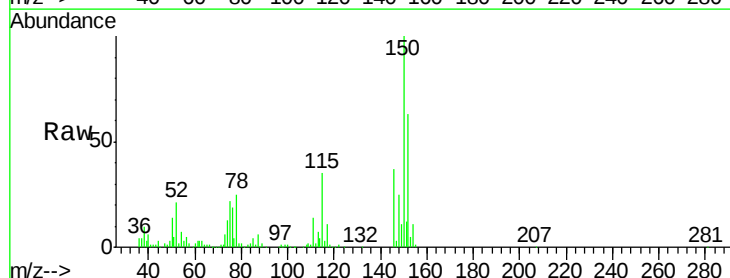
Manual Integrations
 APPROVED

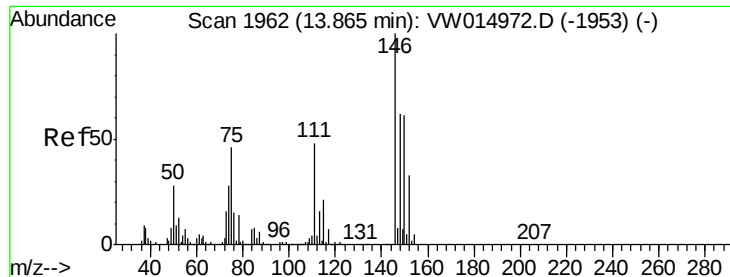
MMDadoda
 2/14/2020 4:28:54 PM



#65
 1,4-Dichlorobenzene
 Concen: 1.120 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	29.5	54.9
148	68.0	43.8	81.3





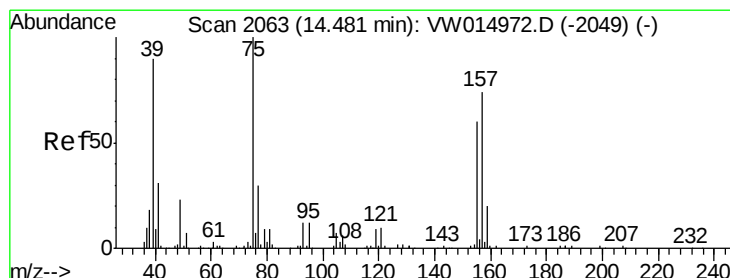
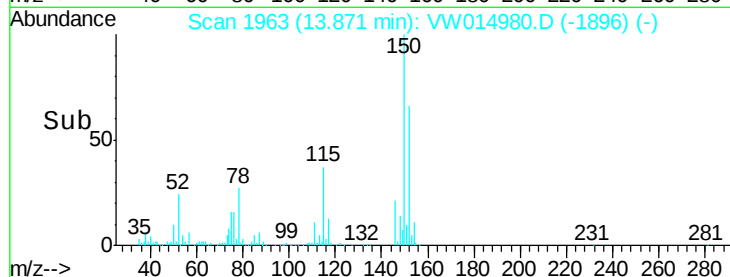
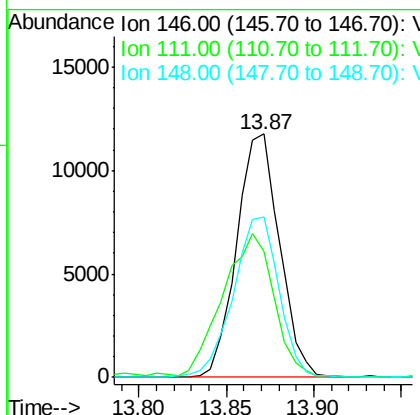
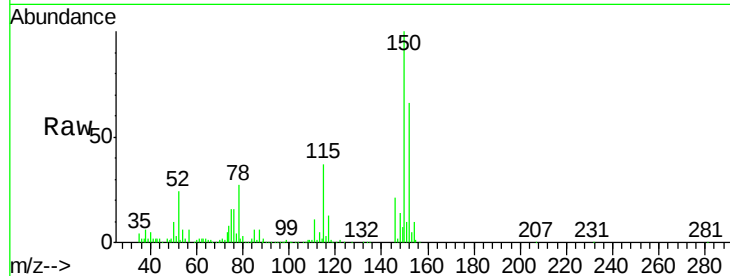
#67
 1,2-Dichlorobenzene
 Concen: 1.207 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.5	38.0	57.0
148	65.9	49.5	74.3

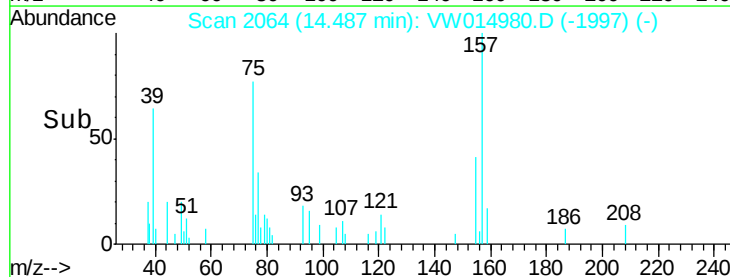
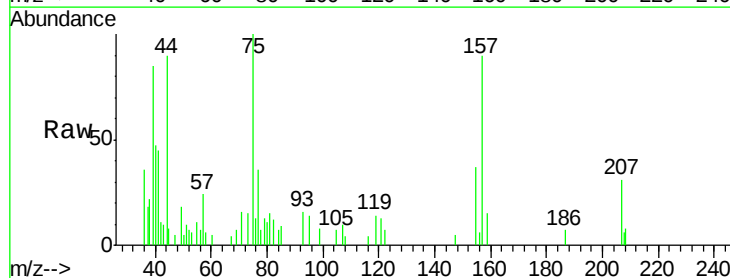
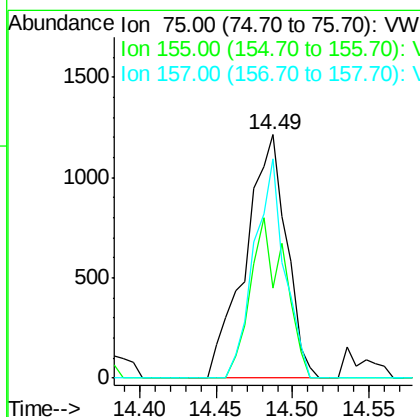
Manual Integrations
 APPROVED

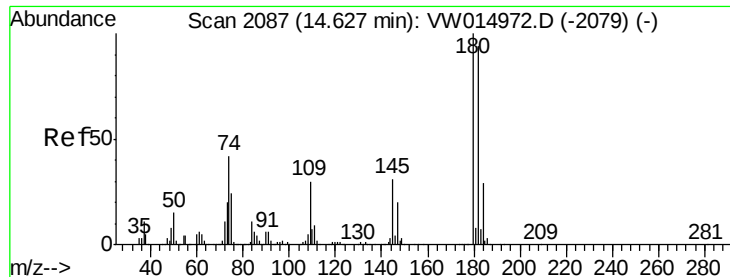
MMDadoda
 2/14/2020 4:28:54 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.328 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	37.1	48.0	72.0#
157	90.4	59.4	89.0#





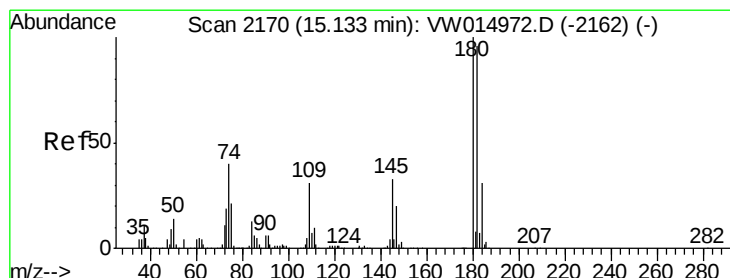
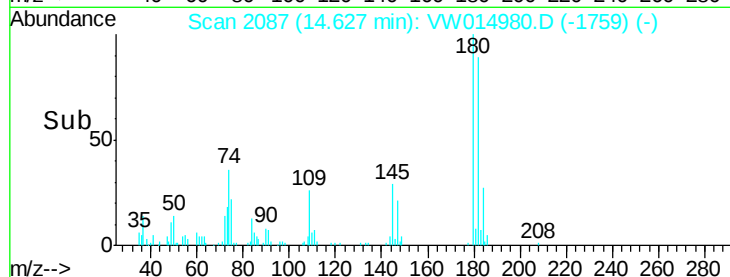
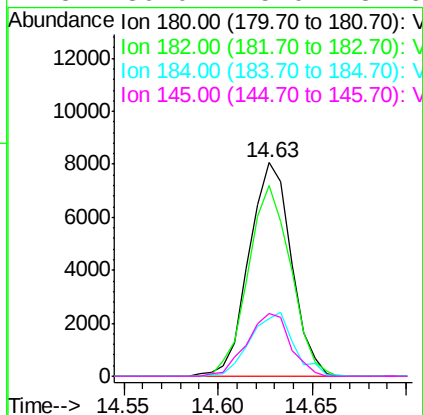
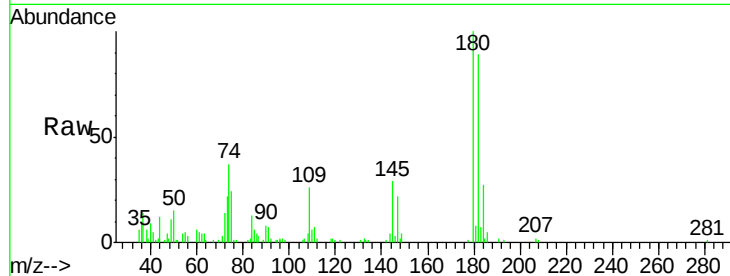
#69
 1,3,5-Trichlorobenzene
 Concen: 1.050 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tot Ion:	180	Resp:	12635
Ion Ratio	Lower	Upper	
180	100		
182	89.2	76.5	114.7
184	30.7	24.2	36.2
145	30.0	25.0	37.6

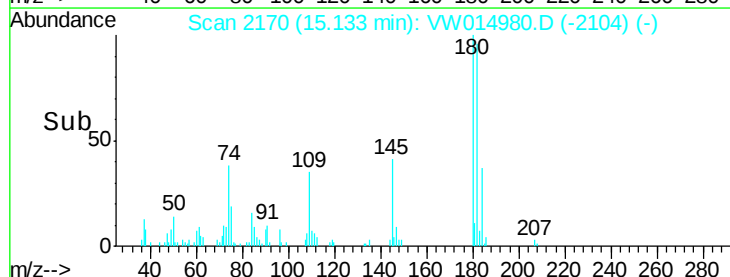
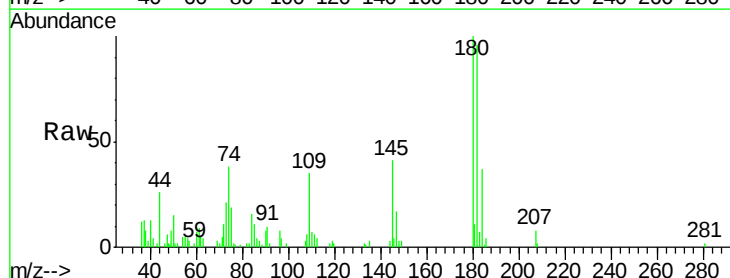
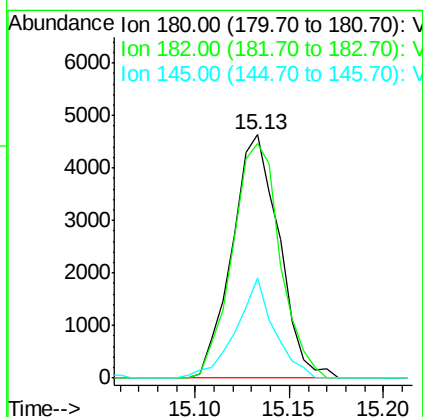
Manual Integrations
 APPROVED

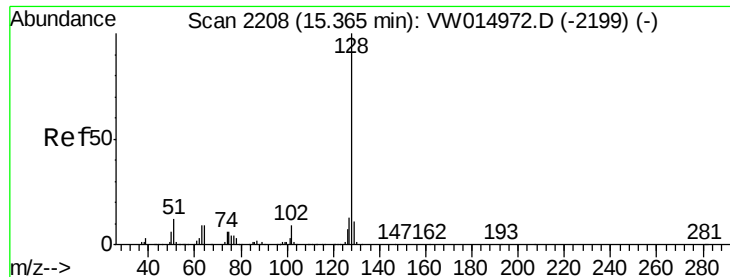
MMDadoda
 2/14/2020 4:28:54 PM



#70
 1,2,4-trichlorobenzene
 Concen: 0.888 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014980.D
 Acq: 13 Feb 2020 15:11

Tgt Ion:	180	Resp:	8014
Ion Ratio	Lower	Upper	
180	100		
182	97.8	76.2	114.4
145	33.7	26.2	39.4





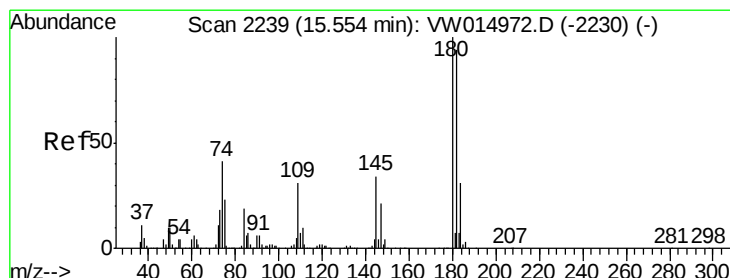
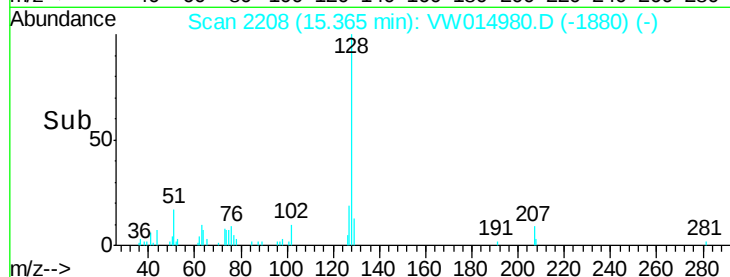
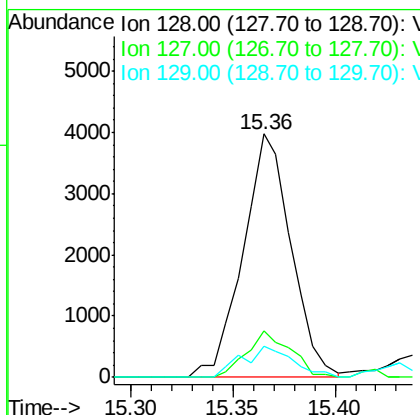
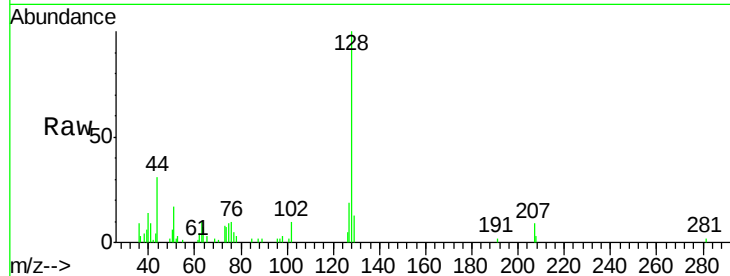
#71
Naphthalene
Concen: 0.702 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Instrument :
MSVOA_W
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.6	10.5	15.7#
129	9.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:54 PM



#72
1,2,3-Trichlorobenzene
Concen: 0.969 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014980.D
Acq: 13 Feb 2020 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.9	75.2	112.8
145	32.3	27.0	40.6

