

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014979.D
 Acq On : 13 Feb 2020 14:45
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:28:50 PM

Quant Time: Feb 14 04:54:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 14 04:49:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	792741	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	745397	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	294953	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	380990	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
7) Chloroethane-d5	2.89	69	283602	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.24%
11) 1,1-Dichloroethene-d2	4.02	63	505867	17.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.64%
21) 2-Butanone-d5	7.07	46	216298	48.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.22%
24) Chloroform-d	7.65	84	577738	22.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.76%
26) 1,2-Dichloroethane-d4	8.31	65	361734m	24.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.88%
32) Benzene-d6	8.27	84	1176307	23.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.68%
36) 1,2-Dichloropropane-d6	9.27	67	406682	23.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.16%
41) Toluene-d8	10.32	98	997205	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.12%
43) trans-1,3-Dichloropropene-	10.58	79	149668	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.24%
47) 2-Hexanone-d5	10.92	63	150506	48.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.96%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	299239	23.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.84%
66) 1,2-Dichlorobenzene-d4	13.85	152	272071	24.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	6842m	0.869	ug/L	
3) Chloromethane	2.21	50	14762	0.997	ug/L	98
5) Vinyl chloride	2.37	62	20757	1.089	ug/L #	49
6) Bromomethane	2.79	94	7923	0.916	ug/L	99
8) Chloroethane	2.93	64	9762	0.957	ug/L	88
9) Trichlorofluoromethane	3.26	101	6498	0.863	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15589m	1.265	ug/L	
12) 1,1-Dichloroethene	4.04	96	14806	1.253	ug/L #	1
13) Acetone	4.12	43	16877	3.633	ug/L	96
14) Carbon disulfide	4.39	76	38700	0.906	ug/L #	94
15) Methyl Acetate	4.68	43	6864	0.852	ug/L #	62
16) Methylene chloride	4.93	84	54776	3.740	ug/L	90
17) trans-1,2-Dichloroethene	5.42	96	10514	0.882	ug/L	97
18) Methyl tert-butyl Ether	5.42	73	13044	0.887	ug/L #	84
19) 1,1-Dichloroethane	6.21	63	24641	0.925	ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	11558	0.941	ug/L	91
22) 2-Butanone	7.18	43	19128m	3.426	ug/L	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014979.D
 Acq On : 13 Feb 2020 14:45
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:28:50 PM

Quant Time: Feb 14 04:54:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 14 04:49:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.52	128	4936m	0.990	ug/L	
25) Chloroform	7.68	83	25525	1.076	ug/L	90
27) 1,2-Dichloroethane	8.40	62	17228	0.988	ug/L	99
29) Cyclohexane	7.95	56	18426	0.758	ug/L	95
30) 1,1,1-Trichloroethane	7.87	97	16987	0.937	ug/L	99
31) Carbon tetrachloride	8.06	117	14348	0.878	ug/L	95
33) Benzene	8.32	78	51227	0.936	ug/L	100
34) Trichloroethene	9.09	95	11968	0.913	ug/L	91
35) Methylcyclohexane	9.33	83	18190	0.805	ug/L	93
37) 1,2-Dichloropropane	9.37	63	14097	0.922	ug/L	100
38) Bromodichloromethane	9.64	83	15942	0.926	ug/L	92
39) cis-1,3-Dichloropropene	10.07	75	17319	0.847	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	21210	1.949	ug/L	99
42) Toluene	10.39	91	50956	0.964	ug/L	97
44) trans-1,3-Dichloropropene	10.60	75	15487m	0.913	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	9394	1.013	ug/L	96
46) Tetrachloroethene	10.86	164	8097	0.951	ug/L	92
48) 2-Hexanone	10.96	43	16152	2.037	ug/L	98
49) Dibromochloromethane	11.13	129	8962	0.928	ug/L	88
50) 1,2-Dibromoethane	11.23	107	7840	0.938	ug/L #	95
51) Chlorobenzene	11.66	112	28794	0.923	ug/L	96
52) Ethylbenzene	11.73	91	48907	0.849	ug/L	96
53) m,p-Xylene	11.83	106	15375	0.761	ug/L	98
54) o-Xylene	12.16	106	13936	0.734	ug/L	93
55) Styrene	12.18	104	22325	0.682	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	12768	1.029	ug/L #	97
59) Bromoform	12.35	173	4346	0.964	ug/L #	95
60) Isopropylbenzene	12.46	105	35289	0.764	ug/L	98
61) 1,2,3-Trichloropropane	12.76	75	9021	1.044	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	27603	0.750	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	25674	0.713	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	17528	0.921	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	19726	1.005	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	19112	1.085	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.49	75	2350	1.300	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.63	180	12267	0.962	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8068	0.844	ug/L	97
71) Naphthalene	15.37	128	6814	0.694	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.55	180	7723	0.872	ug/L	98

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

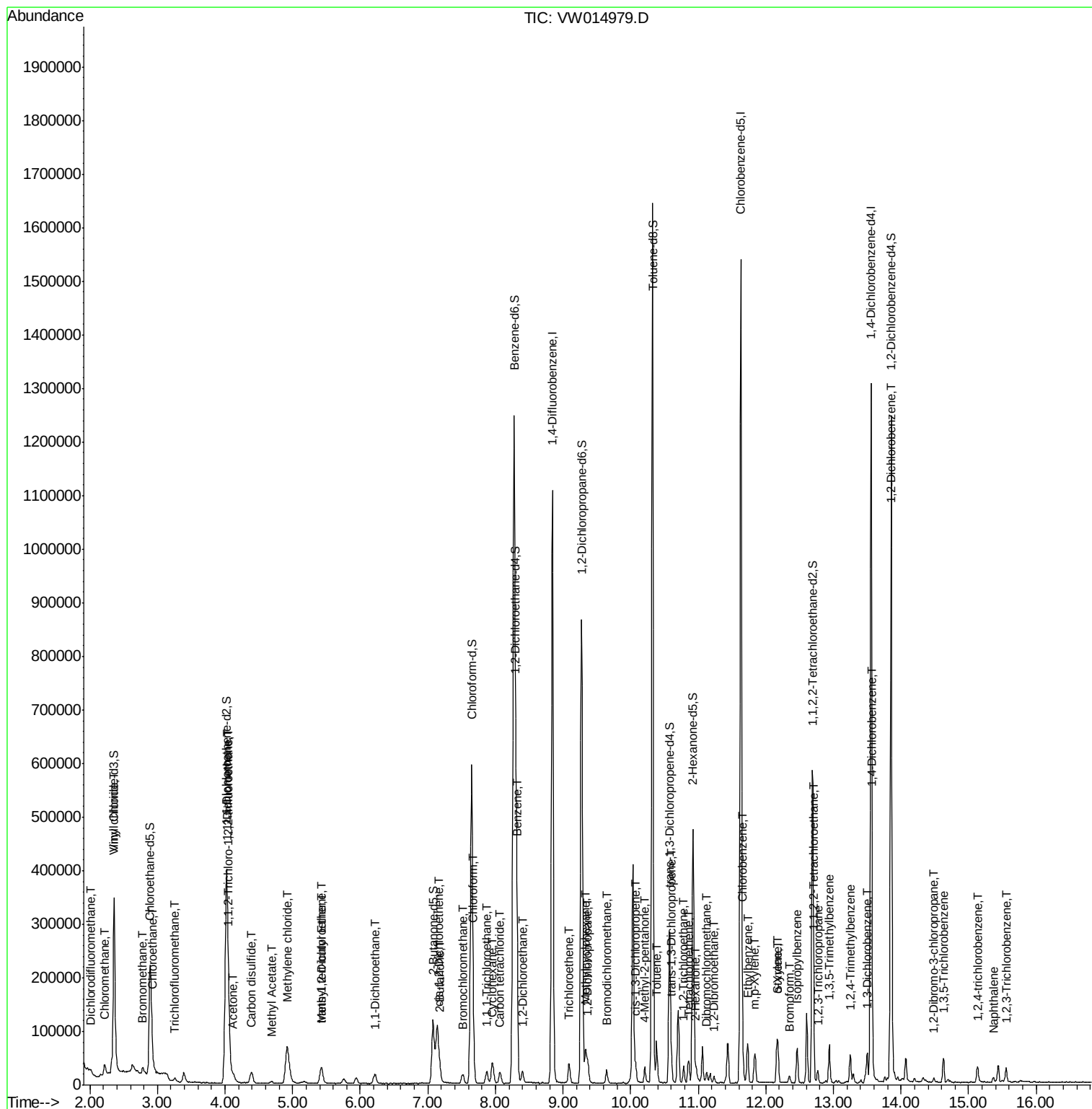
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
Data File : VW014979.D
Acq On : 13 Feb 2020 14:45
Operator : SY/VA
Sample : MDL01
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

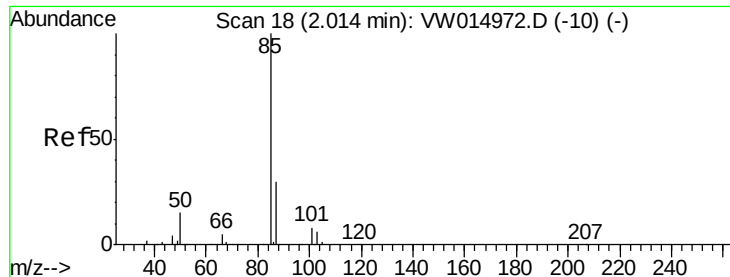
Instrument :
MSVOA_W
ClientSampled :
MDL01

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:50 PM

Quant Time: Feb 14 04:54:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 14 04:49:34 2020
Response via : Initial Calibration





#2

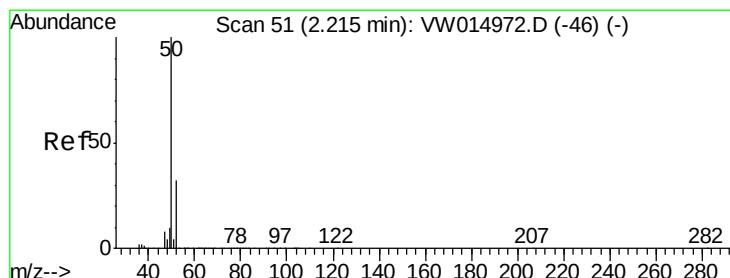
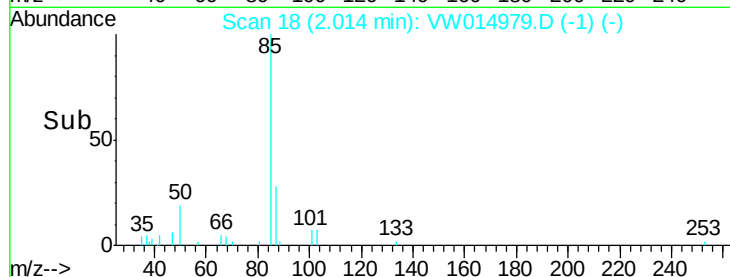
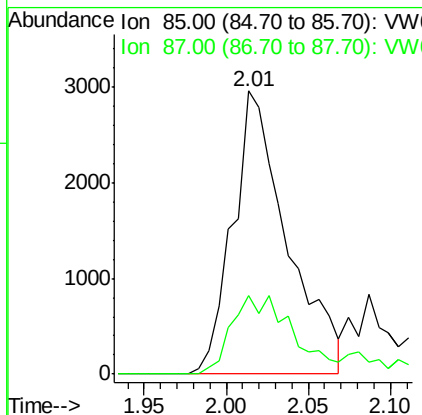
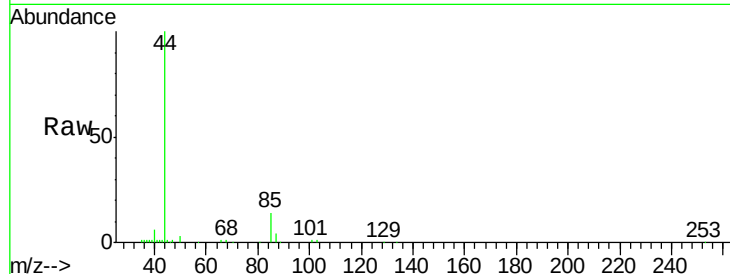
Dichlorodifluoromethane
Concen: 0.869 ug/L m
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	85	Resp	6842
Ion Ratio	100	Lower	Upper
87	1.1	21.5	32.3#

Manual Integrations
APPROVED

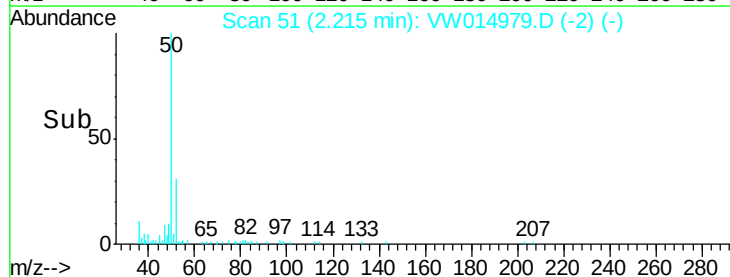
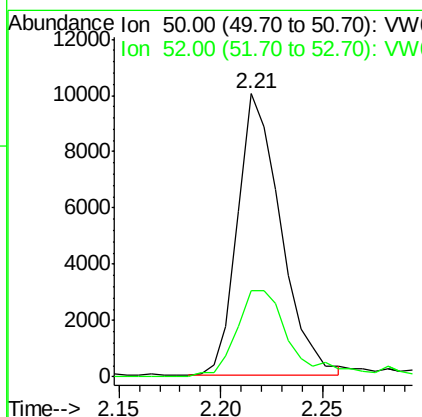
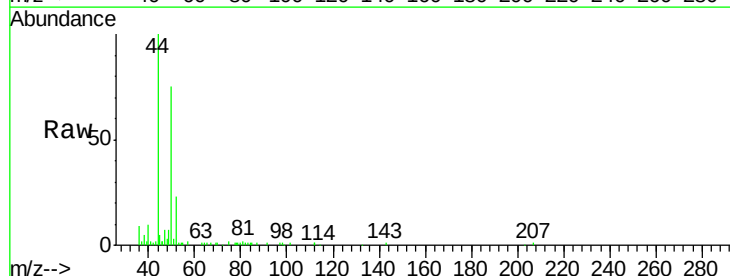
MMDadoda
2/14/2020 4:28:50 PM

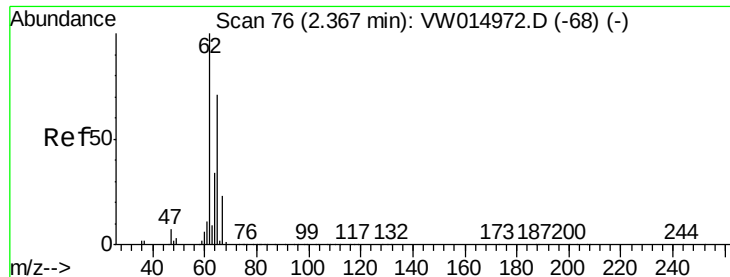


#3

Chloromethane
Concen: 0.997 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	50	Resp	14762
Ion Ratio	100	Lower	Upper
52	30.5	22.3	41.3





#5

Vinyl chloride

Concen: 1.089 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 62 Resp: 20757

Ion Ratio Lower Upper

62 100

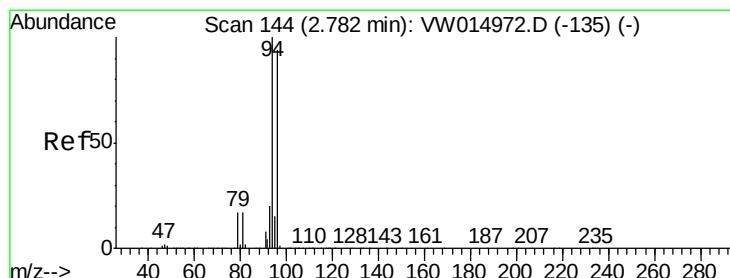
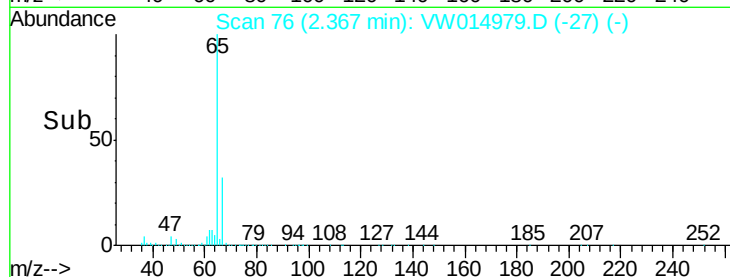
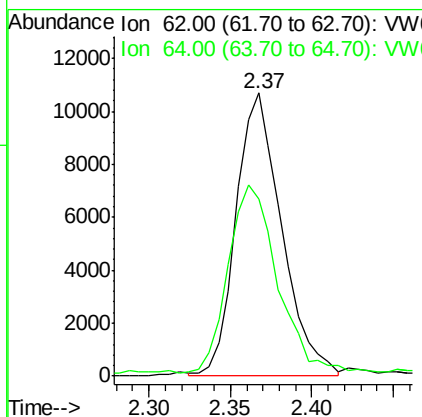
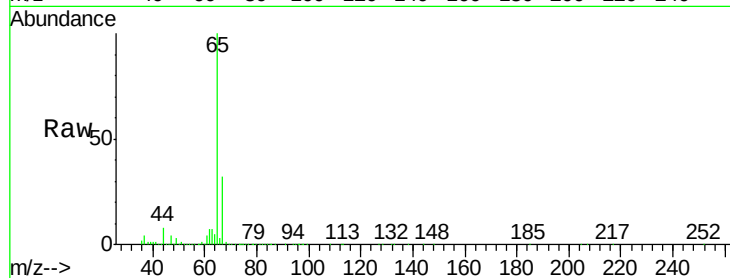
64 62.8 23.6 43.8#

Manual Integrations

APPROVED

MMDadoda

2/14/2020 4:28:50 PM



#6

Bromomethane

Concen: 0.916 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW014979.D

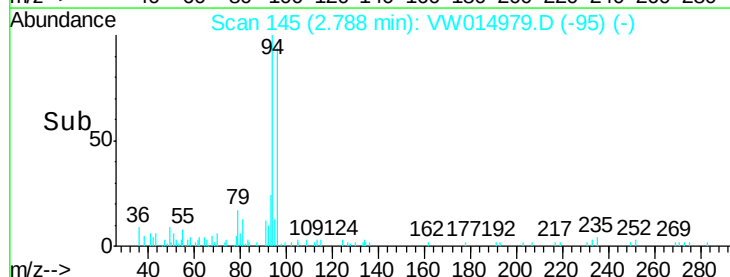
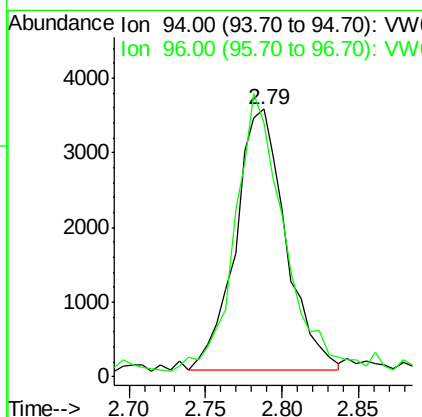
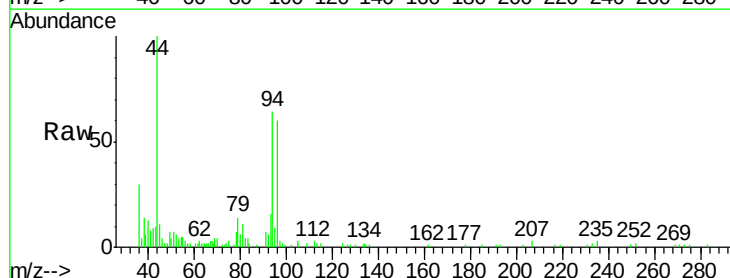
Acq: 13 Feb 2020 14:45

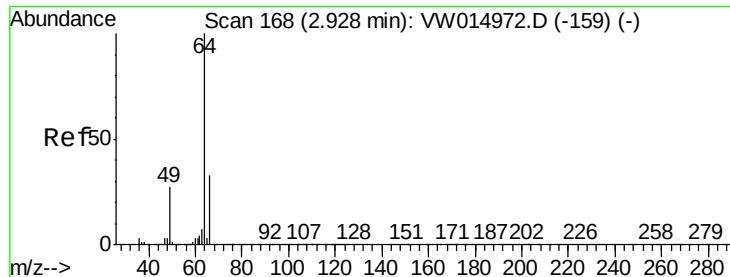
Tgt Ion: 94 Resp: 7923

Ion Ratio Lower Upper

94 100

96 95.0 65.8 122.2





#8

Chloroethane

Concen: 0.957 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 64 Resp: 9762

Ion Ratio Lower Upper

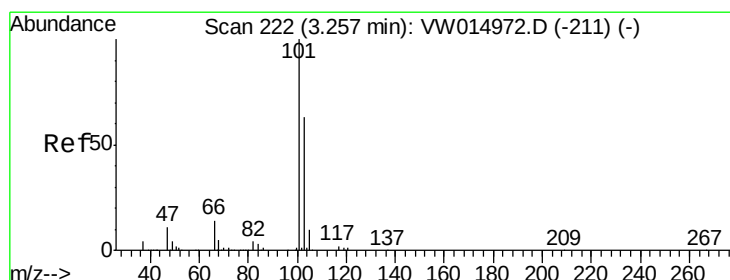
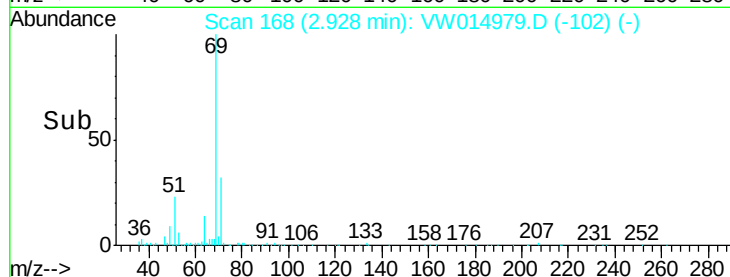
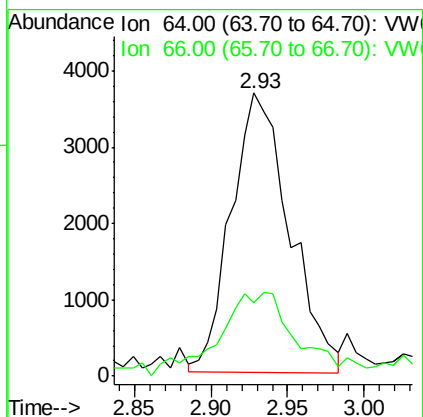
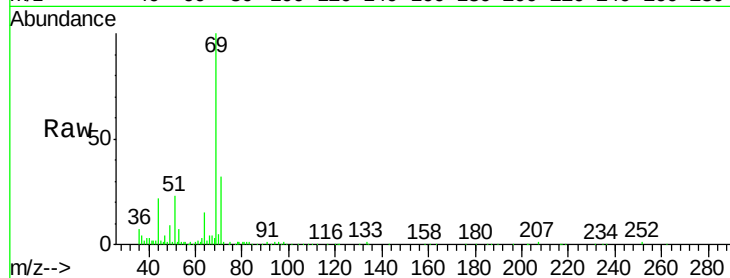
64 100

66 26.1 23.1 42.9

Manual Integrations
APPROVED

MMDadoda

2/14/2020 4:28:50 PM



#9

Trichlorofluoromethane

Concen: 0.863 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014979.D

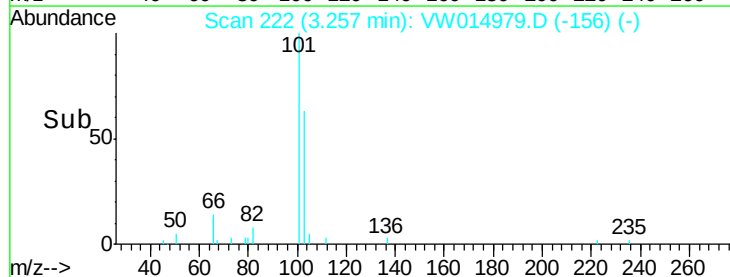
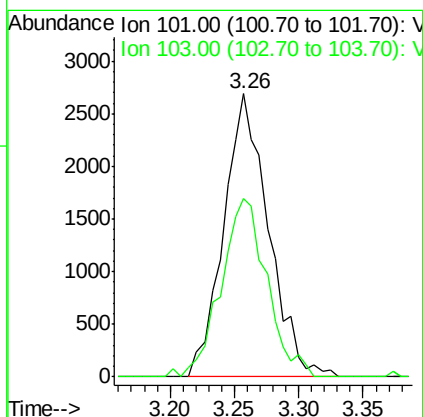
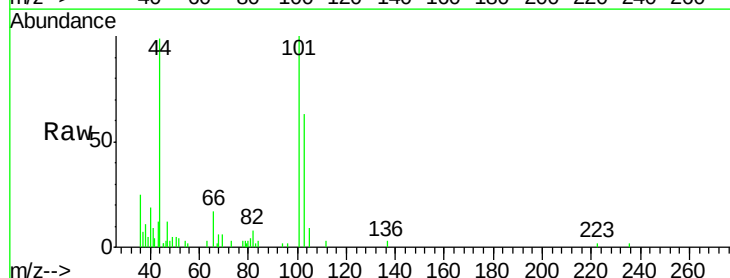
Acq: 13 Feb 2020 14:45

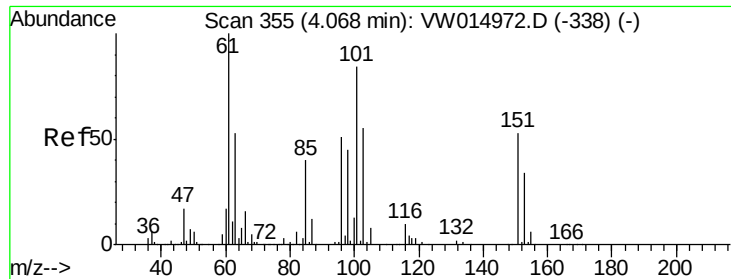
Tgt Ion: 101 Resp: 6498

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3





#10

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

Concen: 1.265 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Instrument :

MSVOA_W

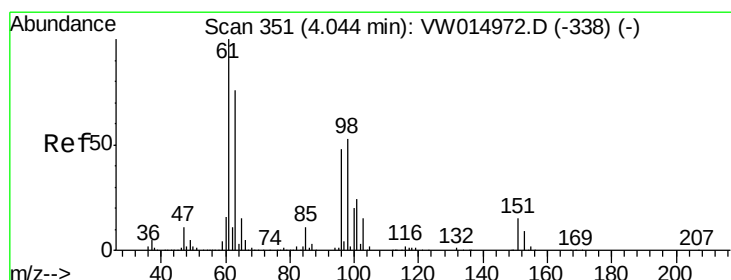
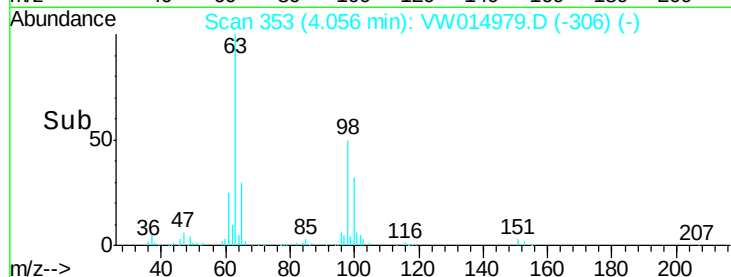
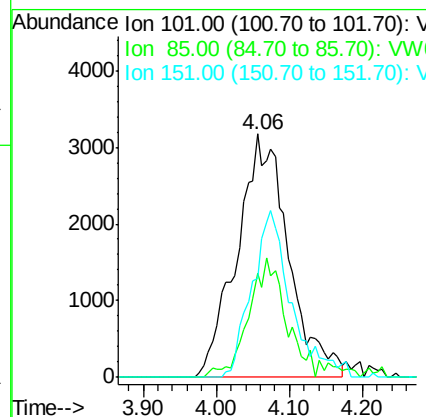
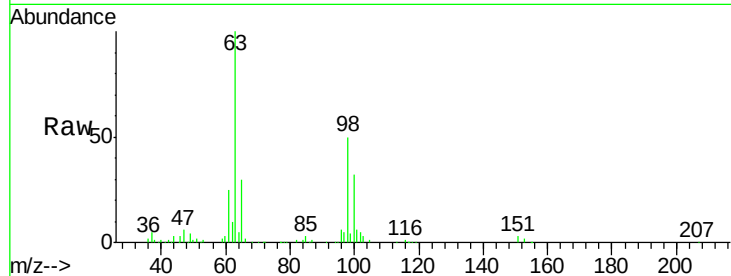
ClientSampled :

MDL01

Tot Ion:	101	Resp:	15589
Ion Ratio	Lower	Upper	
101	100		
85	33.8	36.5	54.7#
151	47.9	50.2	75.4#

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:50 PM



#12

1,1-Dichloroethene

Concen: 1.253 ug/L

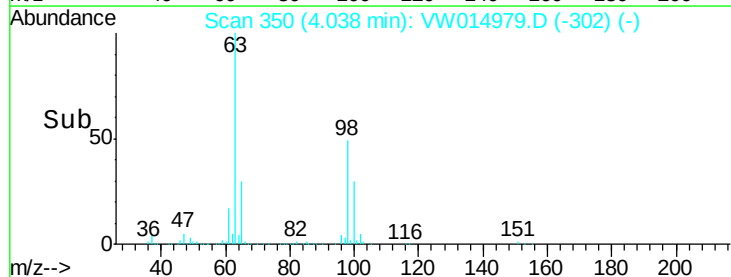
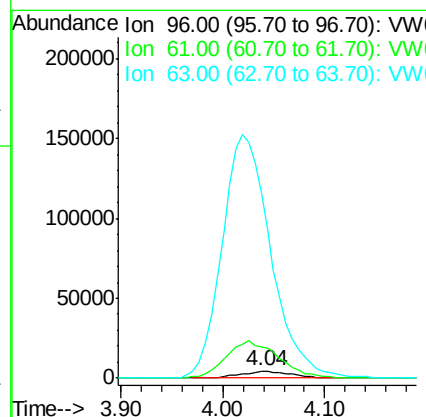
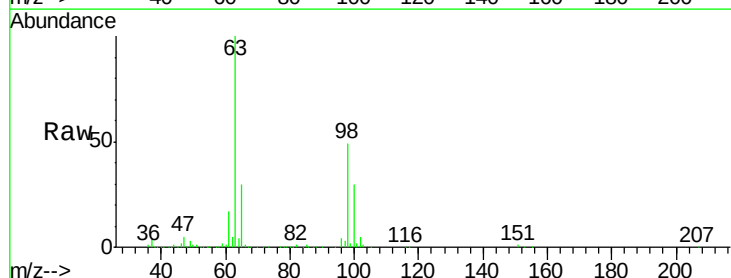
RT: 4.04 min Scan# 350

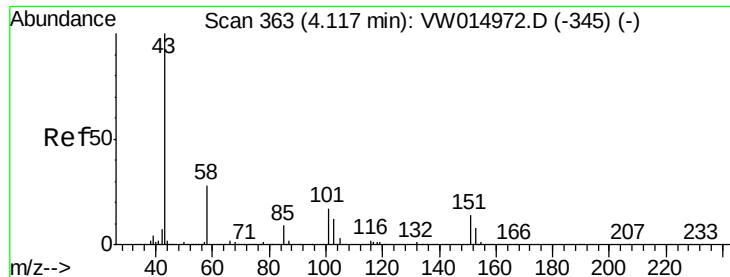
Delta R.T. -0.01 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Tgt Ion:	96	Resp:	14806
Ion Ratio	Lower	Upper	
96	100		
61	457.6	147.0	273.0#
63	2679.9	113.4	210.6#





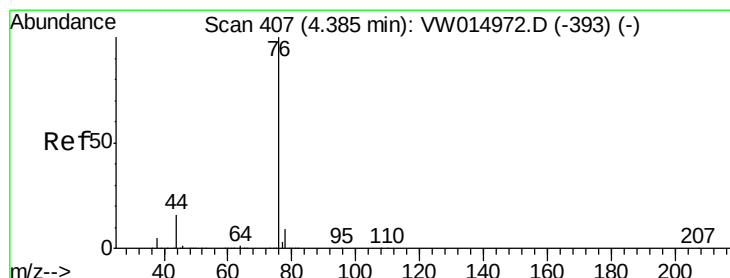
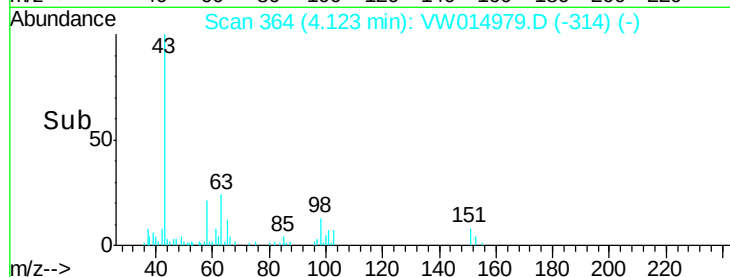
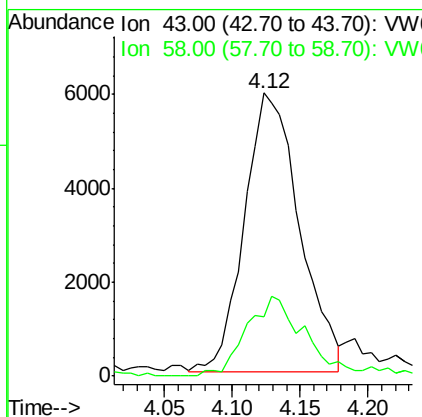
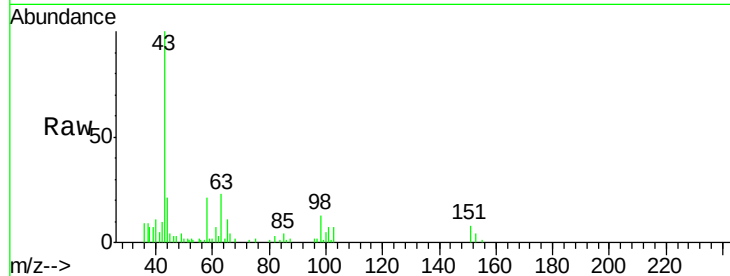
#13
Acetone
Concen: 3.633 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	43	Resp	16877
Ion	Ratio	Lower	Upper
43	100		
58	29.2	0.0	54.6

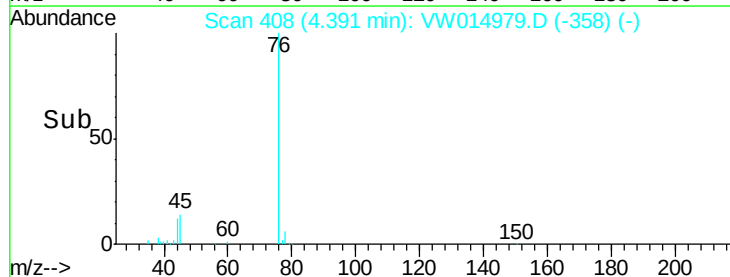
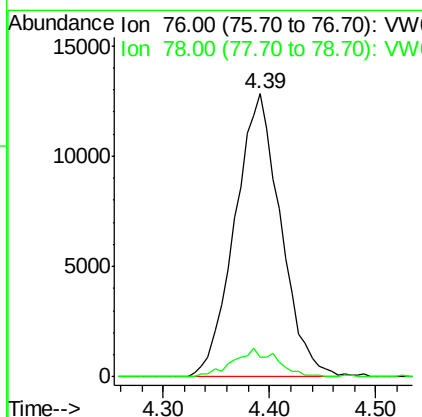
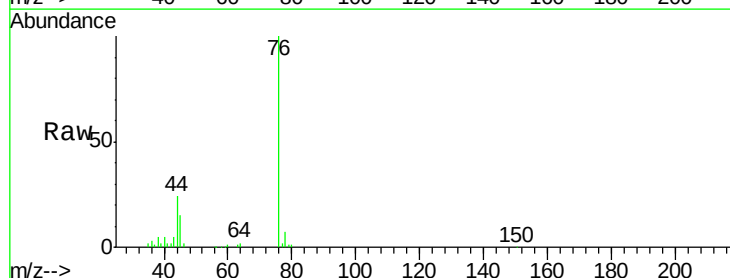
Manual Integrations
APPROVED

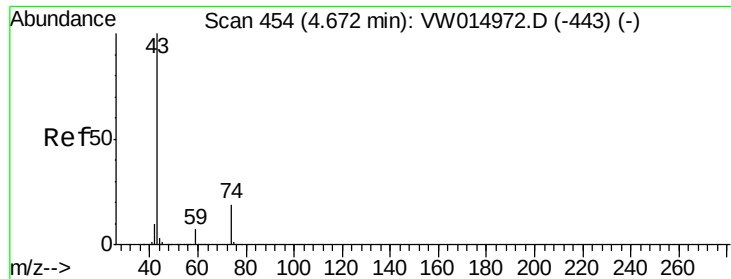
MMDadoda
2/14/2020 4:28:50 PM



#14
Carbon disulfide
Concen: 0.906 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	76	Resp	38700
Ion	Ratio	Lower	Upper
76	100		
78	6.9	7.2	10.8#





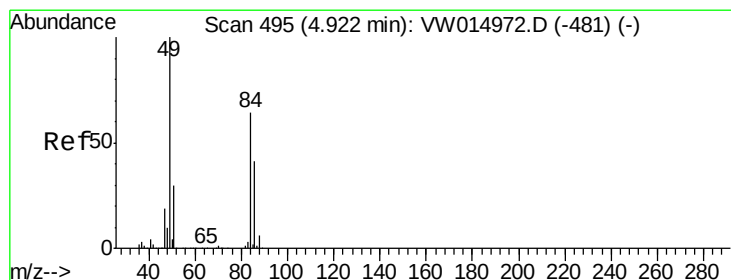
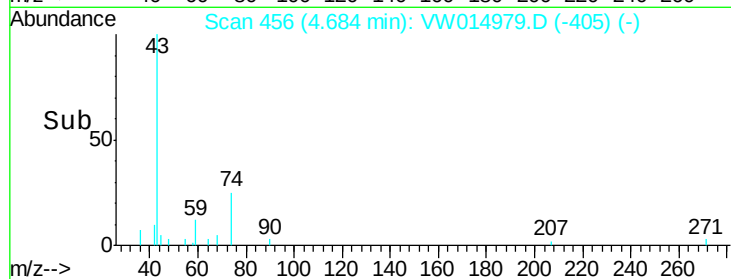
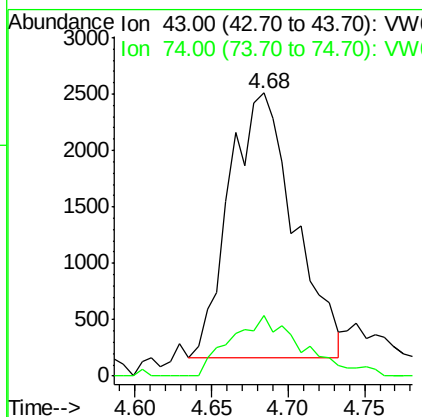
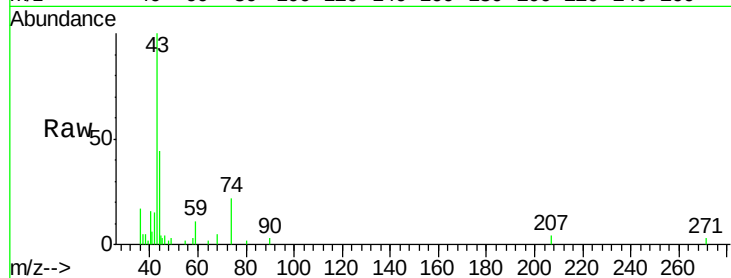
#15
Methvl Acetate
Concen: 0.852 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion: 43 Resp: 6864
Ion Ratio Lower Upper
43 100
74 1.3 14.6 21.8#

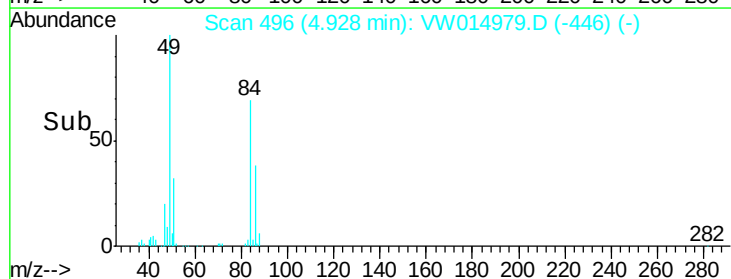
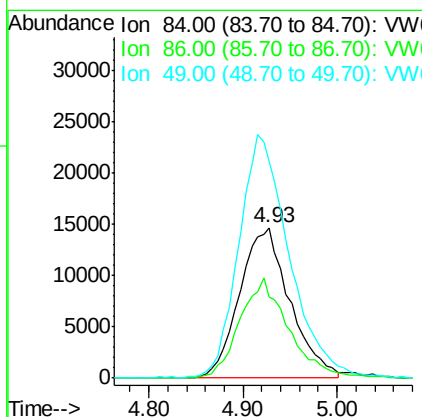
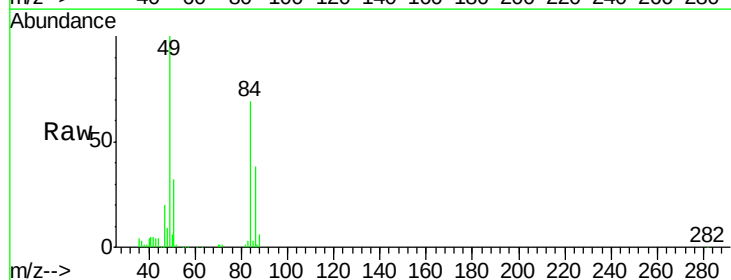
Manual Integrations
APPROVED

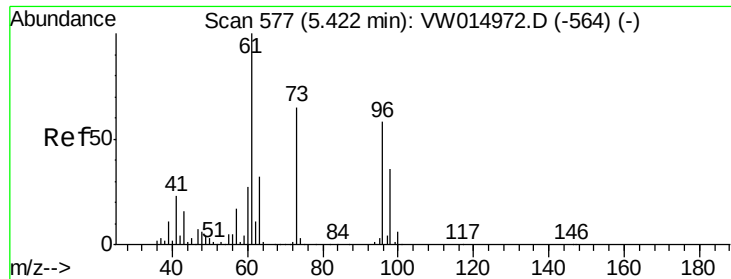
MMDadoda
2/14/2020 4:28:50 PM



#16
Methylene chloride
Concen: 3.740 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion: 84 Resp: 54776
Ion Ratio Lower Upper
84 100
86 54.3 44.4 82.4
49 144.4 109.0 202.4





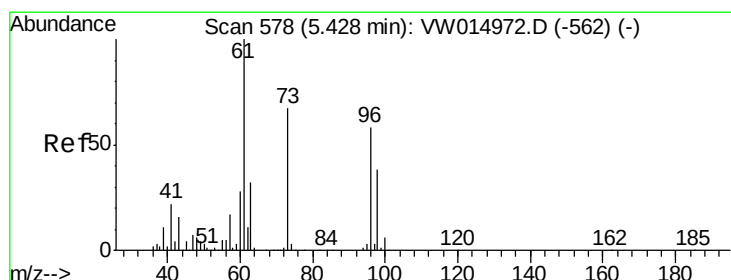
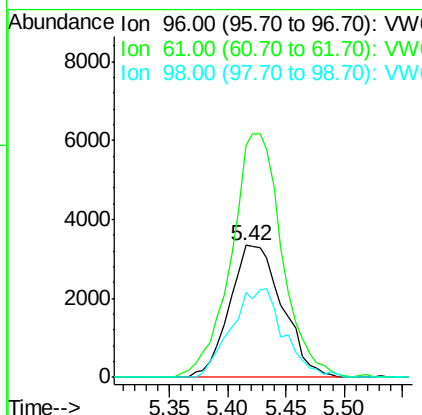
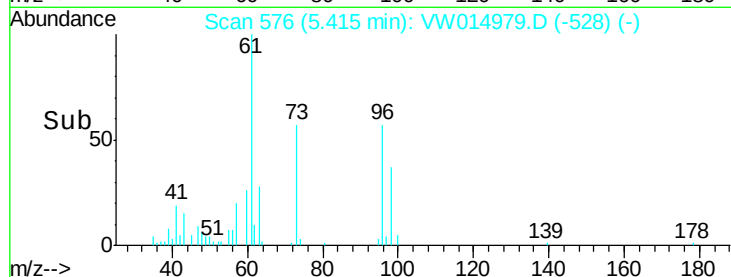
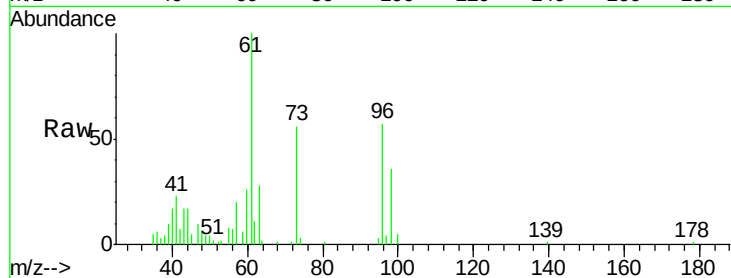
#17
trans-1,2-Dichloroethene
Concen: 0.882 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	175.9		120.1	223.1	
98	63.9		43.8	81.3	

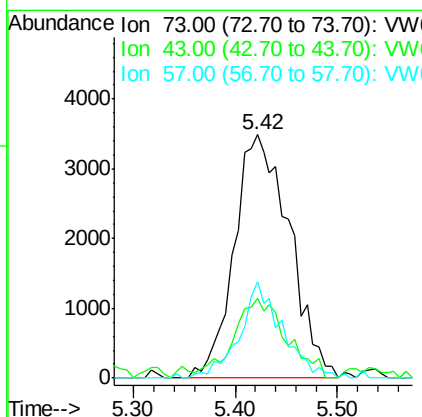
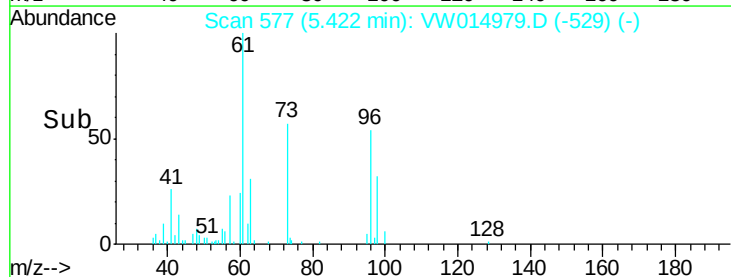
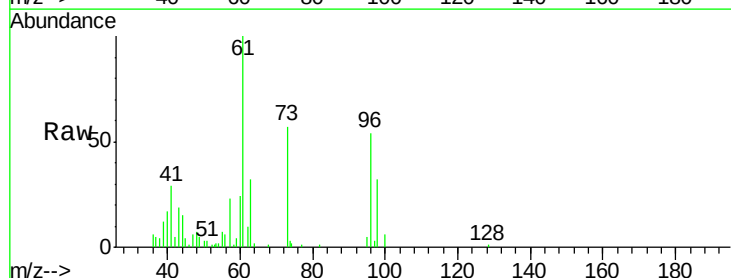
Manual Integrations
APPROVED

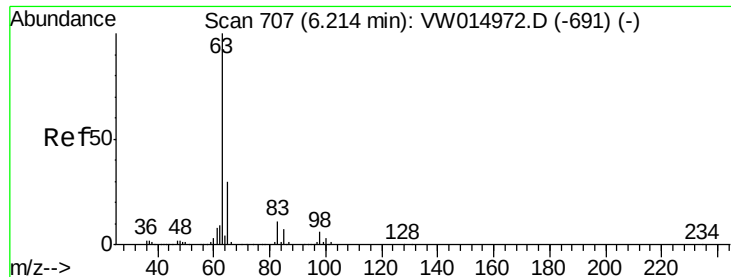
MMDadoda
2/14/2020 4:28:50 PM



#18
Methyl tert-butyl Ether
Concen: 0.887 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100				
43	11.4		19.6	29.4#	
57	29.0		21.0	31.4	





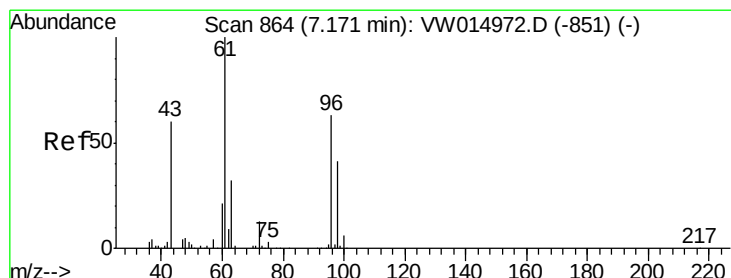
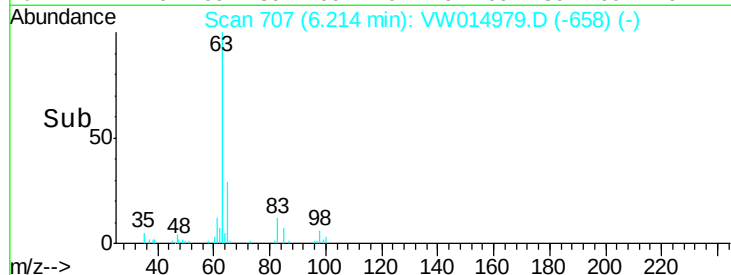
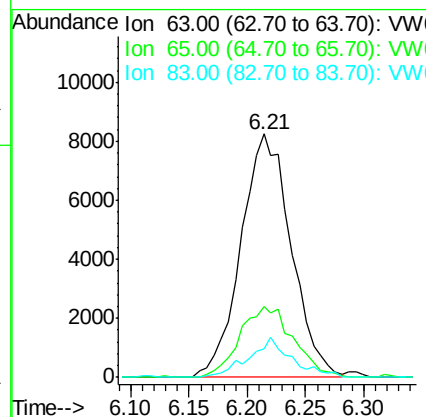
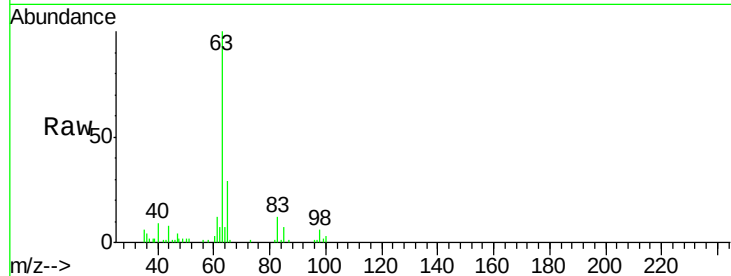
#19
 1,1-Dichloroethane
 Concen: 0.925 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion:	63	Resp:	24641
Ion	Ratio	Lower	Upper
63	100		
65	28.9	20.9	38.7
83	11.9	7.8	14.6

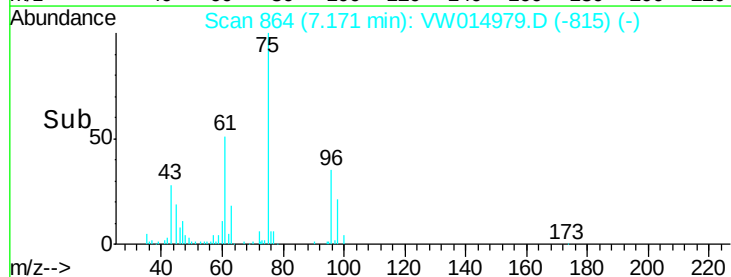
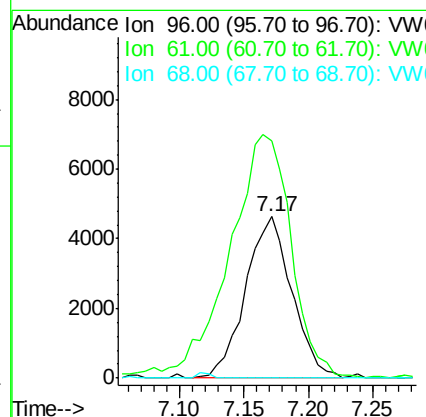
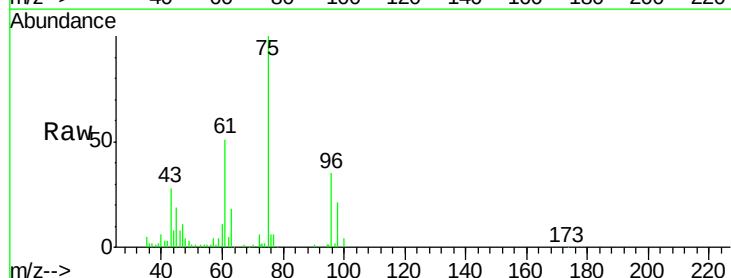
Manual Integrations
 APPROVED

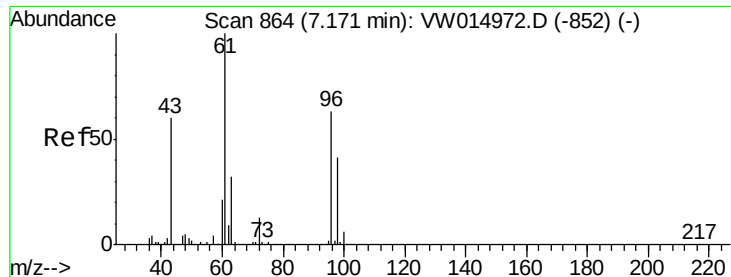
MMDadoda
 2/14/2020 4:28:50 PM



#20
 cis-1,2-Dichloroethene
 Concen: 0.941 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion:	96	Resp:	11558
Ion	Ratio	Lower	Upper
96	100		
61	147.2	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.426 ug/L m

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 43 Resp: 19128

Ion Ratio Lower Upper

43 100

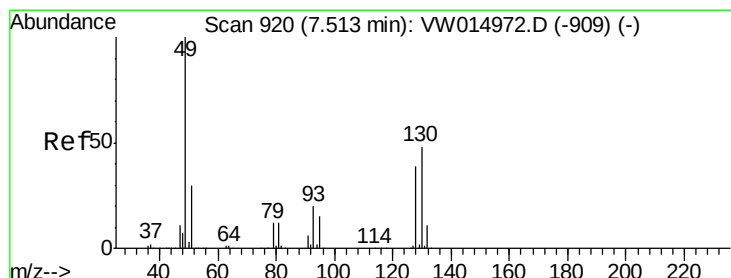
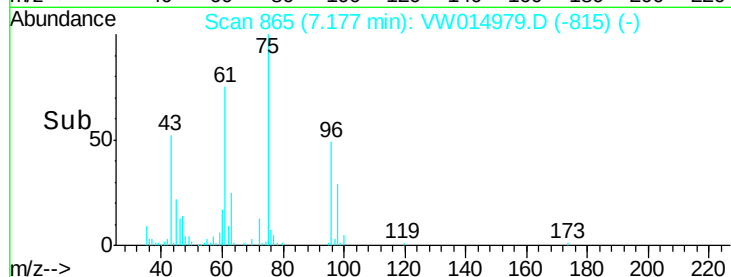
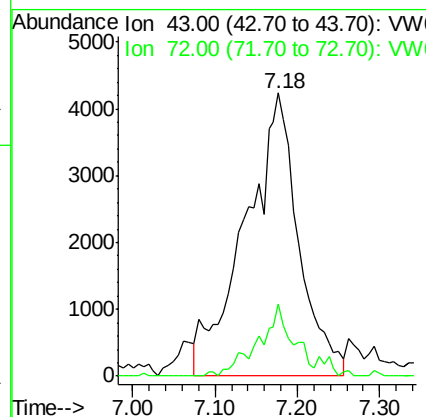
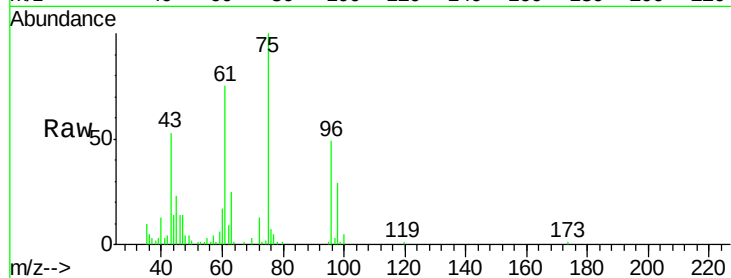
72 8.3 11.1 33.1#

Manual Integrations

APPROVED

MMDadoda

2/14/2020 4:28:50 PM



#23

Bromochloromethane

Concen: 0.990 ug/L m

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Tgt Ion: 128 Resp: 4936

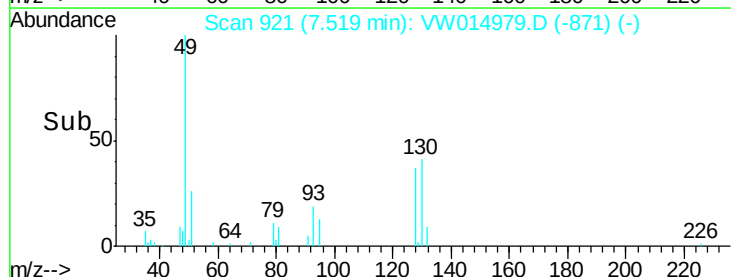
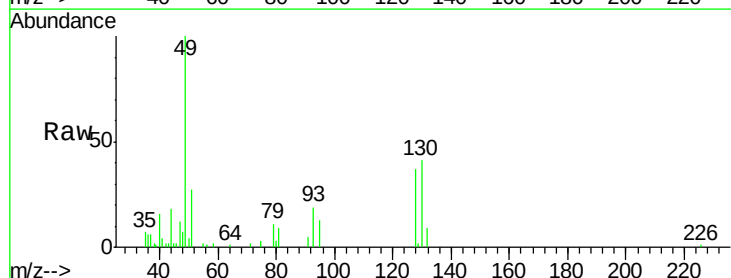
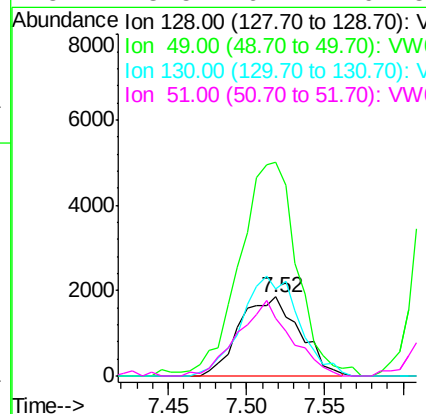
Ion Ratio Lower Upper

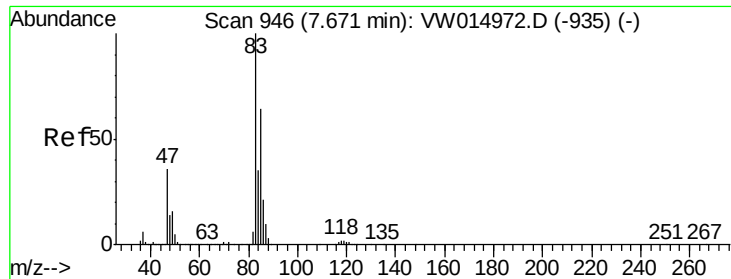
128 100

49 270.0 179.0 332.4

130 110.3 85.5 158.7

51 73.5 61.7 92.5





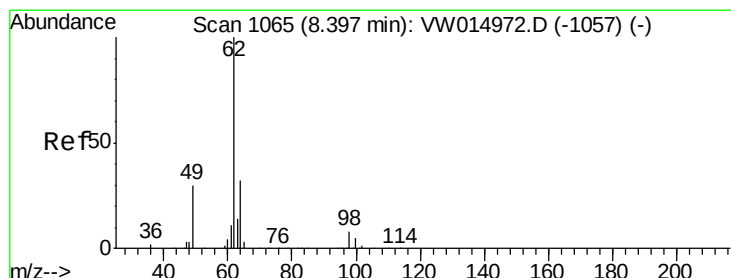
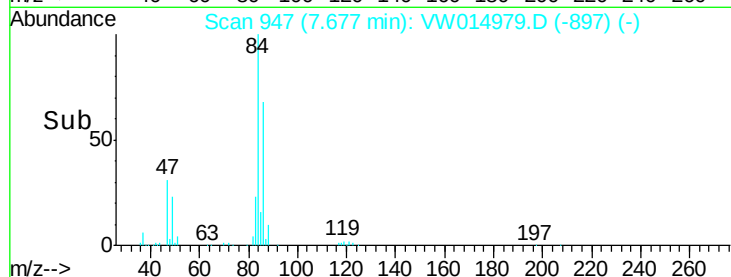
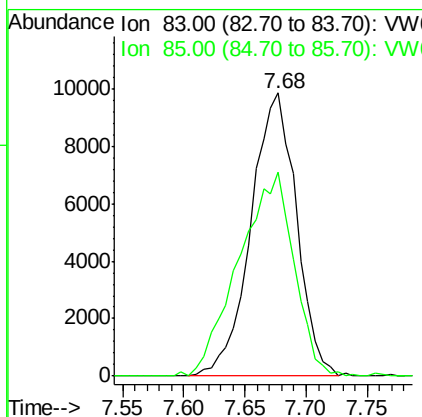
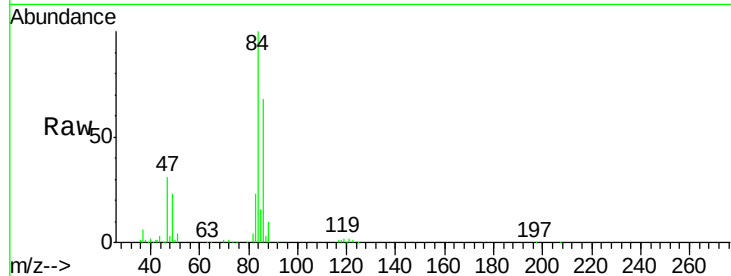
#25
Chloroform
Concen: 1.076 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	83	Resp	25525
Ion Ratio	100	Lower	Upper
85	72.1	45.1	83.7

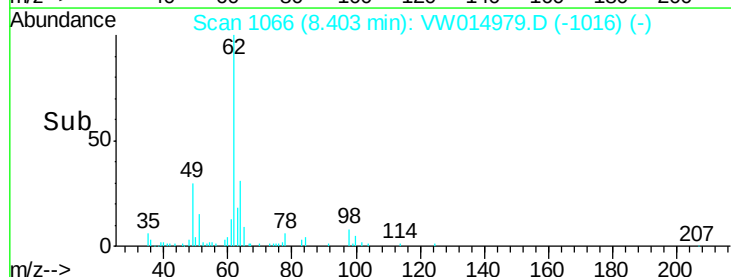
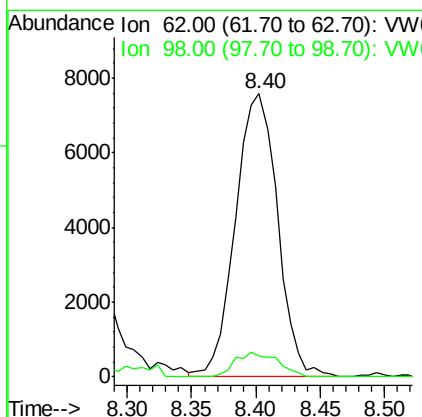
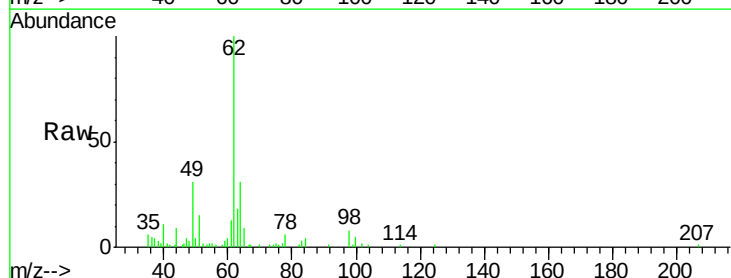
Manual Integrations
APPROVED

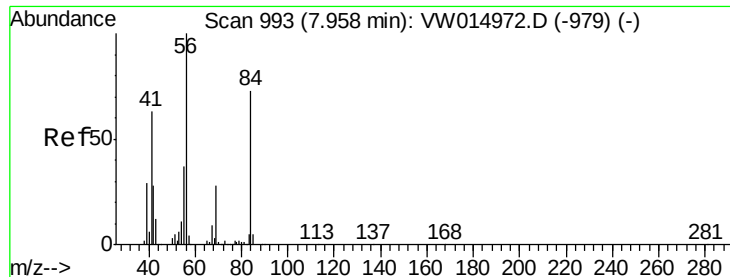
MMDadoda
2/14/2020 4:28:50 PM



#27
1,2-Dichloroethane
Concen: 0.988 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	62	Resp	17228
Ion Ratio	100	Lower	Upper
98	7.6	6.2	9.4





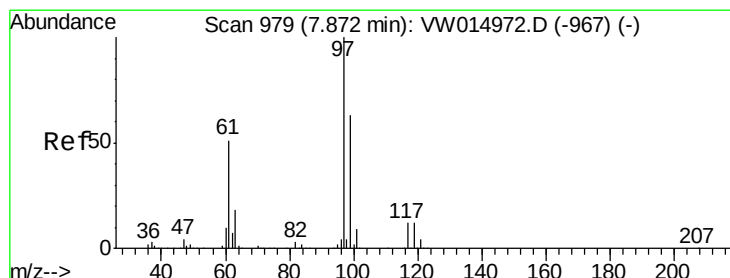
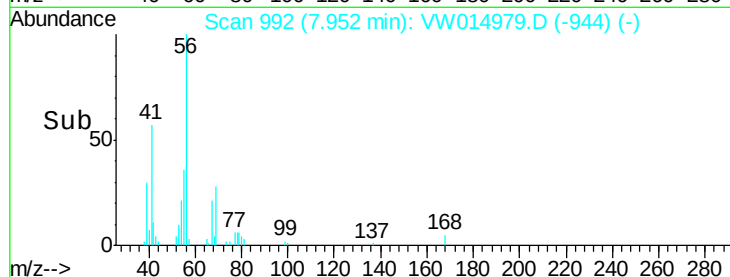
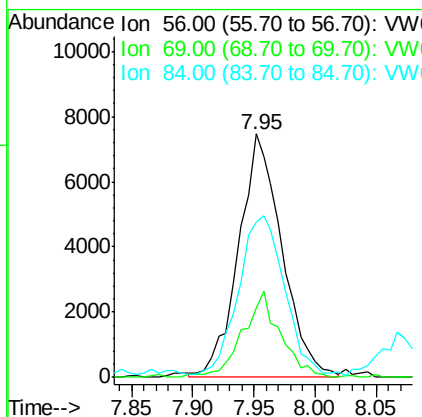
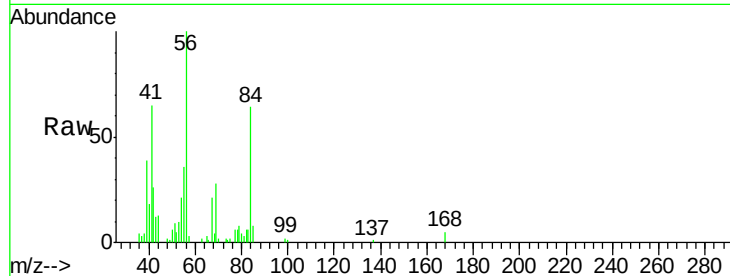
#29
Cyclohexane
Concen: 0.758 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion:	56	Resp:	18426
Ion Ratio	Lower	Upper	
56	100		
69	30.6	22.0	33.0
84	68.4	57.8	86.6

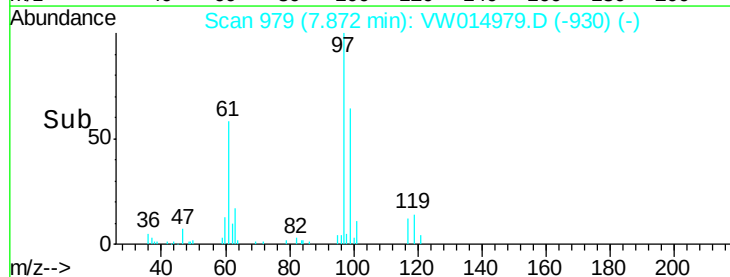
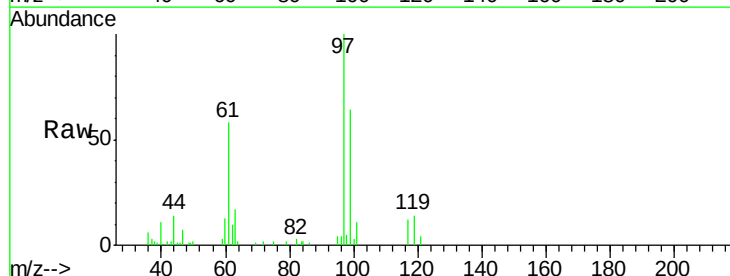
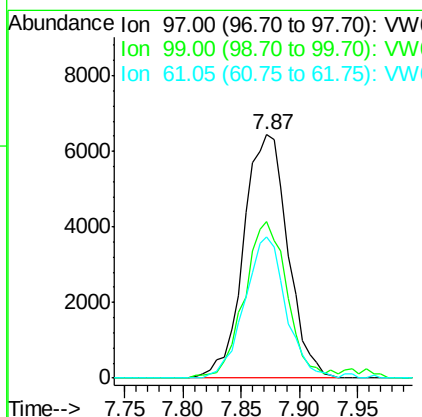
Manual Integrations
APPROVED

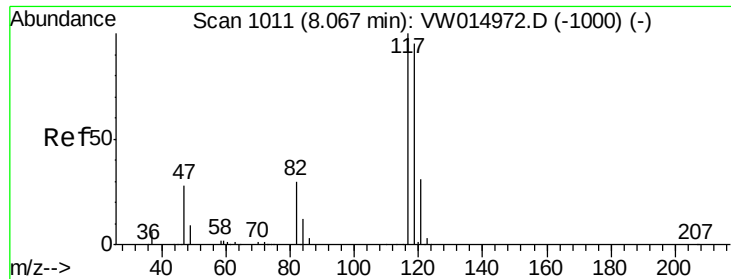
MMDadoda
2/14/2020 4:28:50 PM



#30
1,1,1-Trichloroethane
Concen: 0.937 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion:	97	Resp:	16987
Ion Ratio	Lower	Upper	
97	100		
99	61.6	50.6	75.8
61	54.0	42.7	64.1





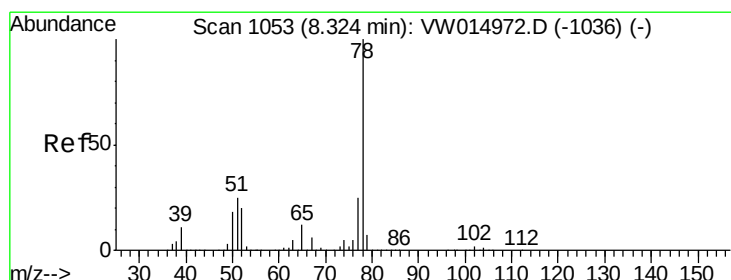
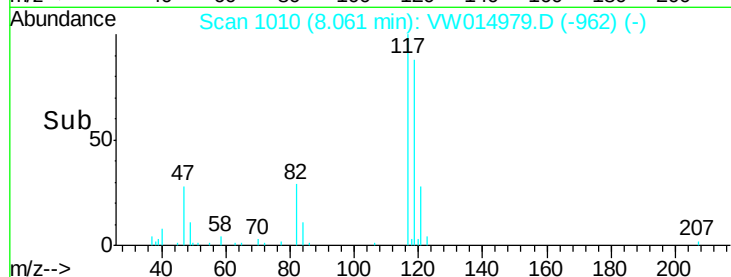
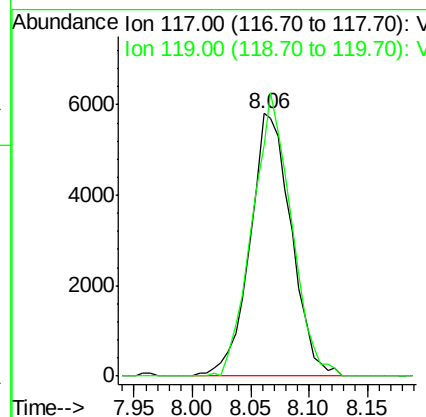
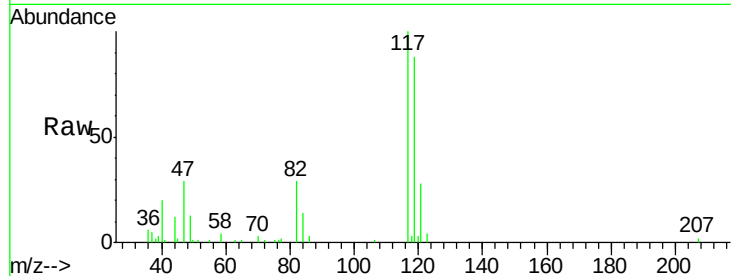
#31
Carbon tetrachloride
Concen: 0.878 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion:117 Resp: 14348
Ion Ratio Lower Upper
117 100
119 100.9 76.6 114.8

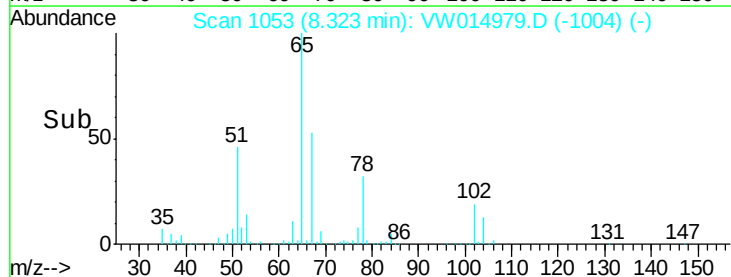
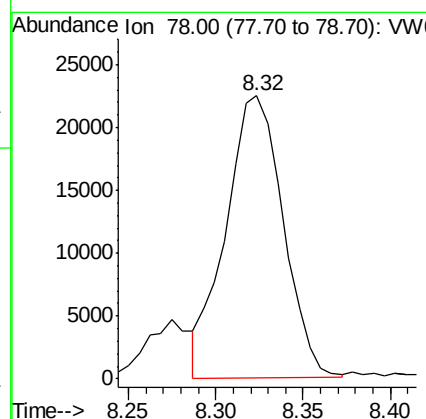
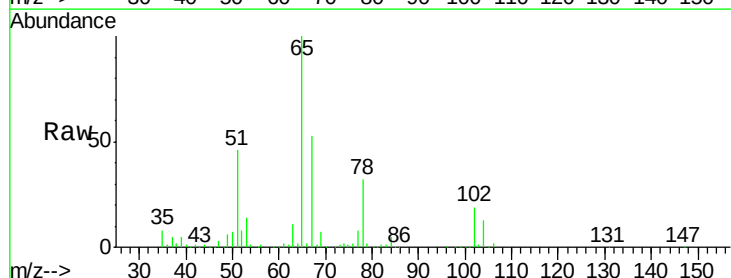
Manual Integrations
APPROVED

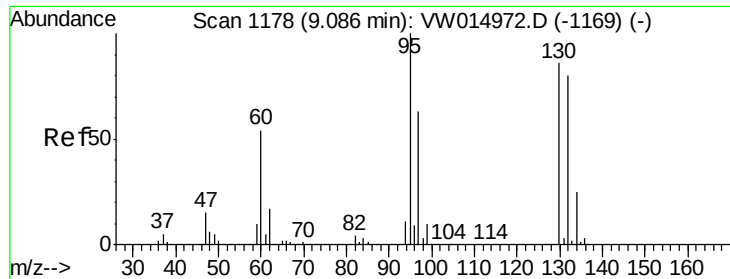
MMDadoda
2/14/2020 4:28:50 PM



#33
Benzene
Concen: 0.936 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion: 78 Resp: 51227





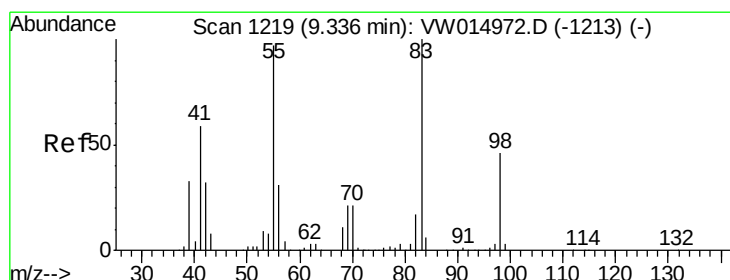
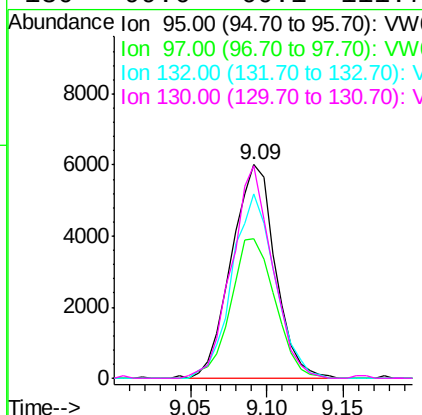
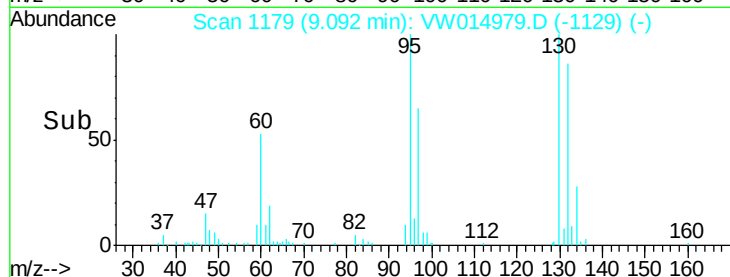
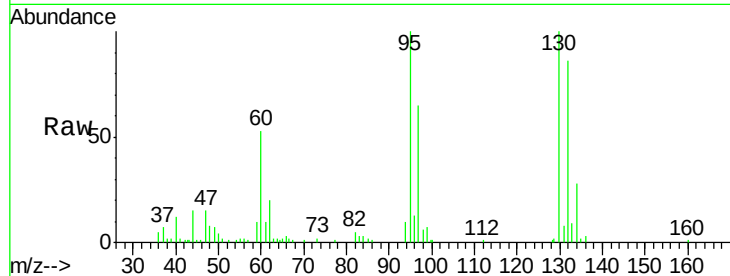
#34
 Trichloroethene
 Concen: 0.913 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	95	Resp	11968
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.2	82.0
132	86.2	56.1	104.3
130	99.6	60.1	111.7

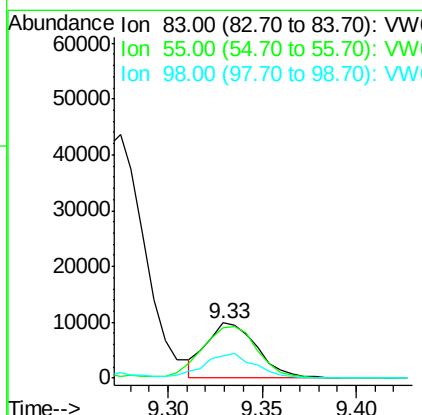
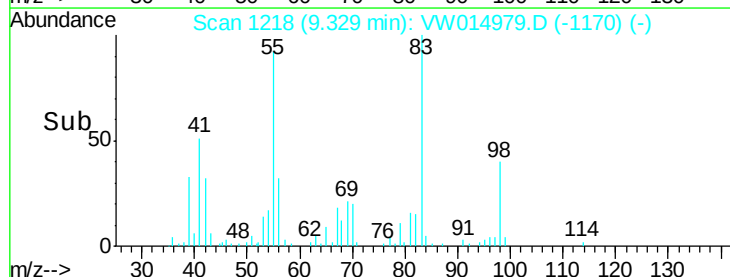
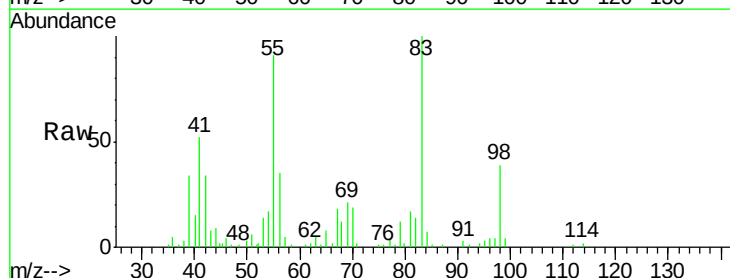
Manual Integrations
 APPROVED

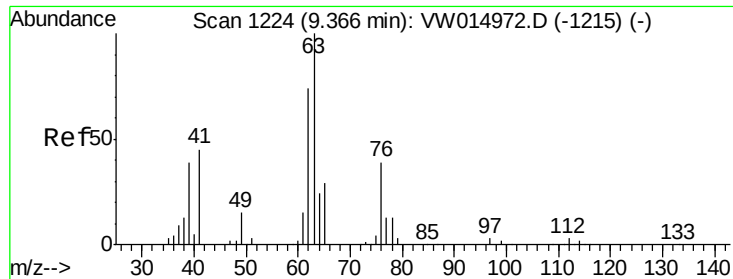
MMDadoda
 2/14/2020 4:28:50 PM



#35
 Methylcyclohexane
 Concen: 0.805 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion	83	Resp	18190
Ion	Ratio	Lower	Upper
83	100		
55	104.8	76.3	114.5
98	45.1	36.4	54.6





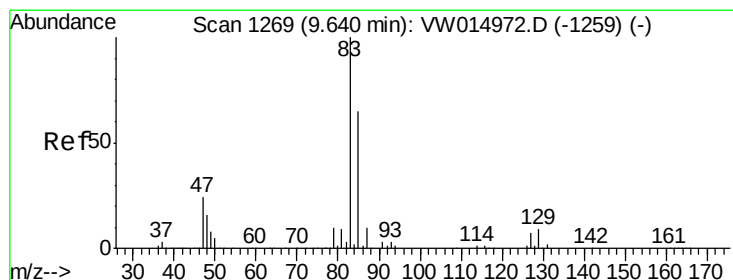
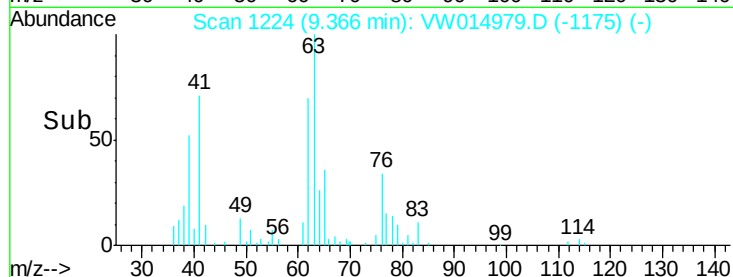
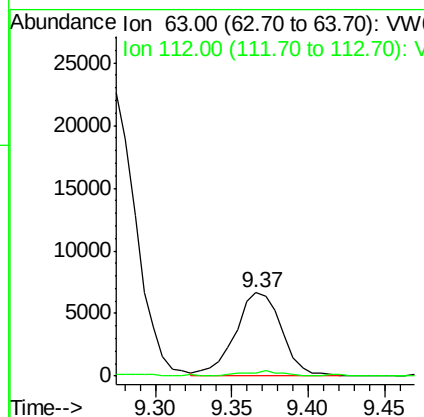
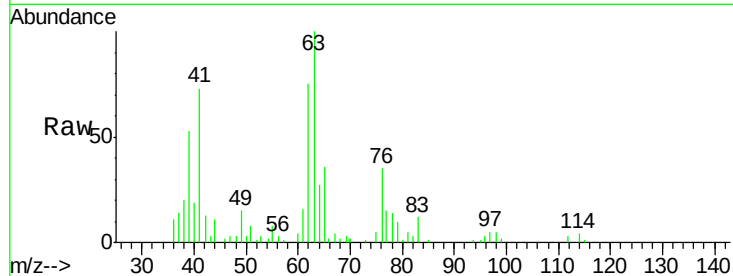
#37
 1,2-Dichloropropane
 Concen: 0.922 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion: 63 Resp: 14097
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0

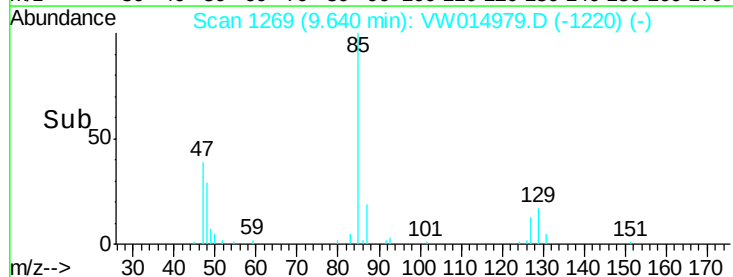
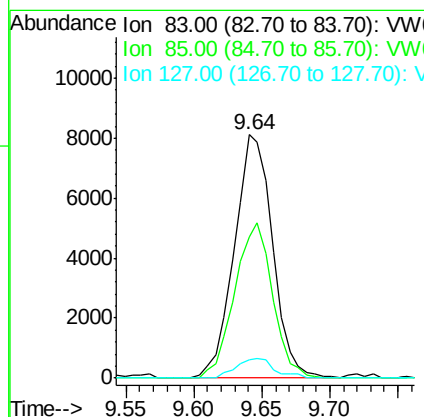
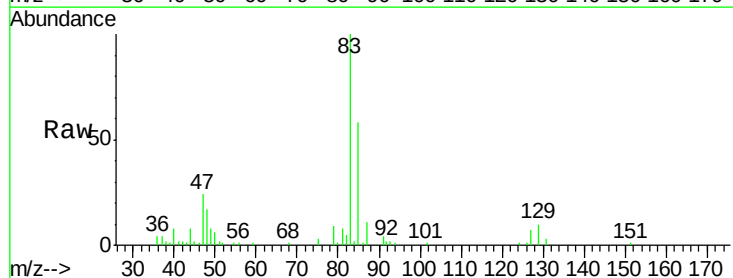
Manual Integrations
 APPROVED

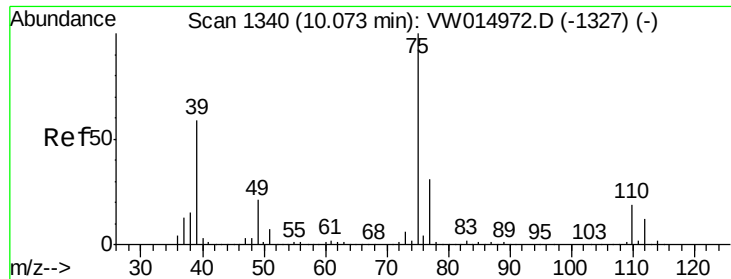
MMDadoda
 2/14/2020 4:28:50 PM



#38
 Bromodichloromethane
 Concen: 0.926 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion: 83 Resp: 15942
 Ion Ratio Lower Upper
 83 100
 85 58.1 45.2 84.0
 127 7.4 5.5 8.3





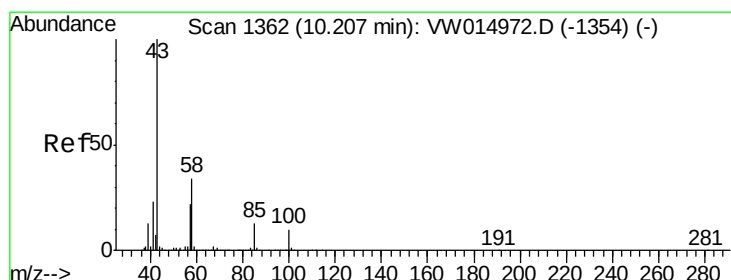
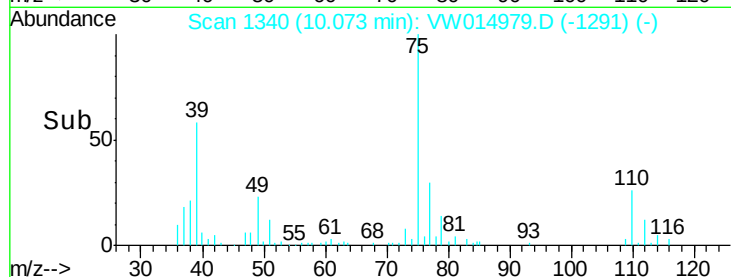
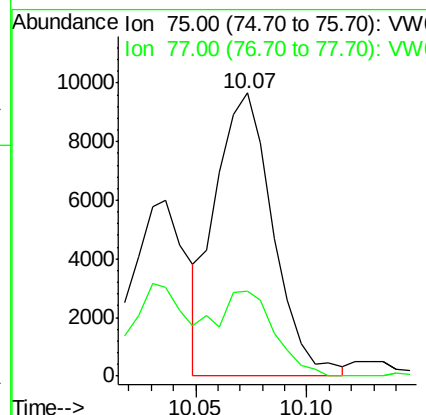
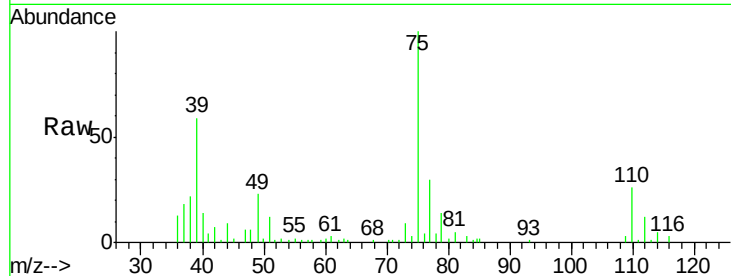
#39
 cis-1,3-Dichloropropene
 Concen: 0.847 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 17319
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.6 40.2

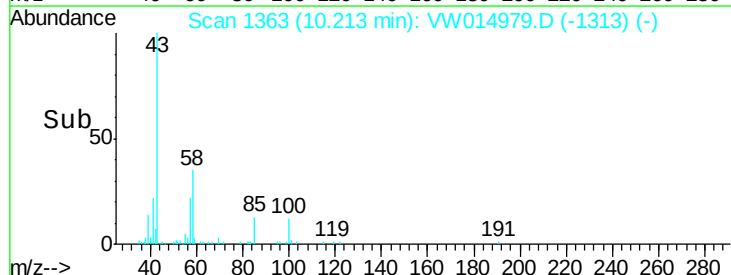
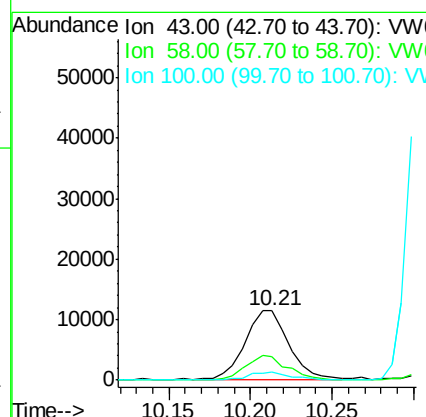
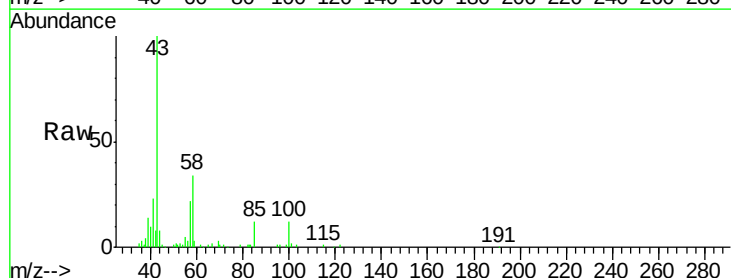
Manual Integrations
 APPROVED

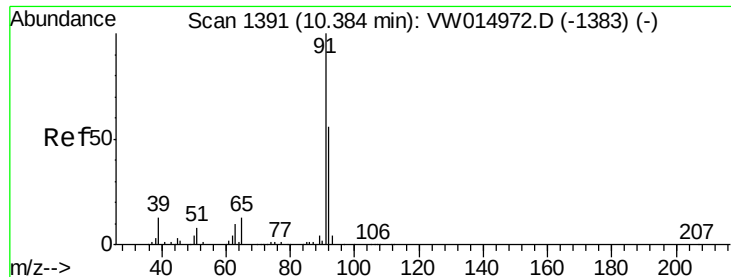
MMDadoda
 2/14/2020 4:28:50 PM



#40
 4-Methyl-2-pentanone
 Concen: 1.949 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion: 43 Resp: 21210
 Ion Ratio Lower Upper
 43 100
 58 34.9 27.7 41.5
 100 11.6 8.6 13.0





#42

Toluene

Concen: 0.964 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 50956

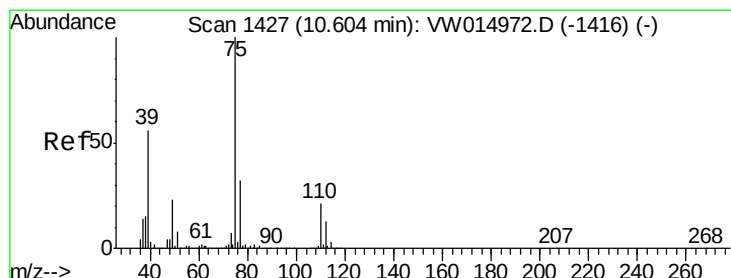
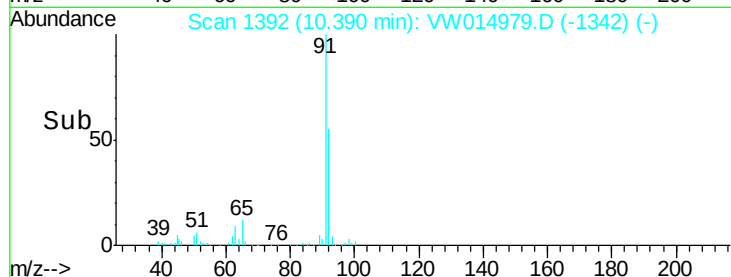
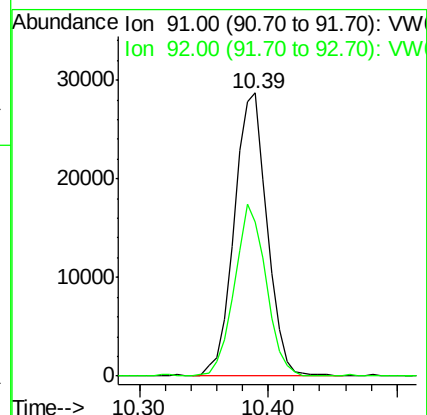
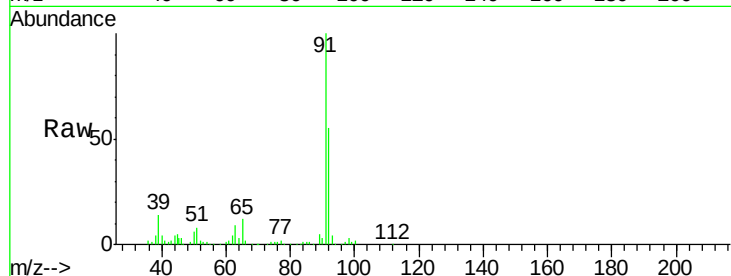
Ion Ratio Lower Upper

91 100

92 54.6 39.5 73.3

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:50 PM



#44

trans-1,3-Dichloropropene

Concen: 0.913 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014979.D

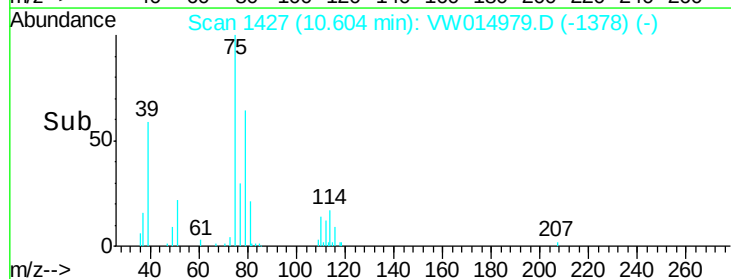
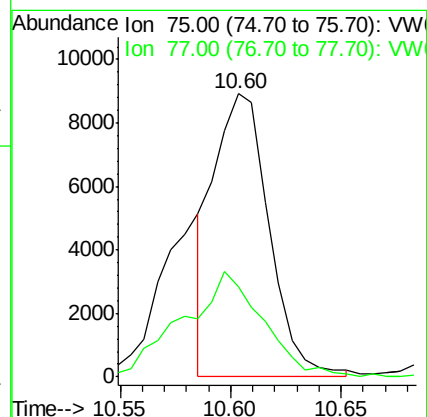
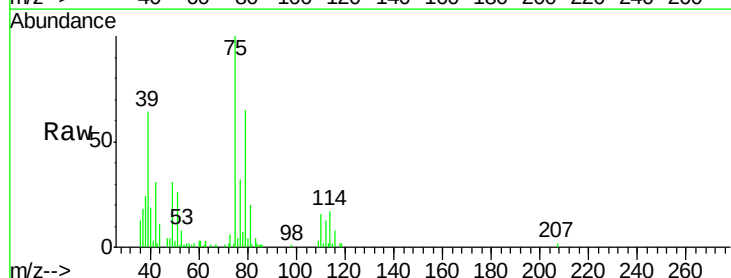
Acq: 13 Feb 2020 14:45

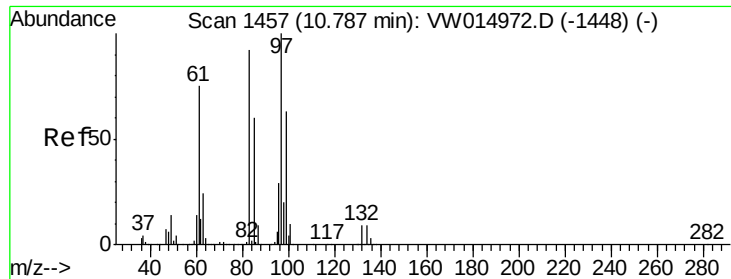
Tgt Ion: 75 Resp: 15487

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1





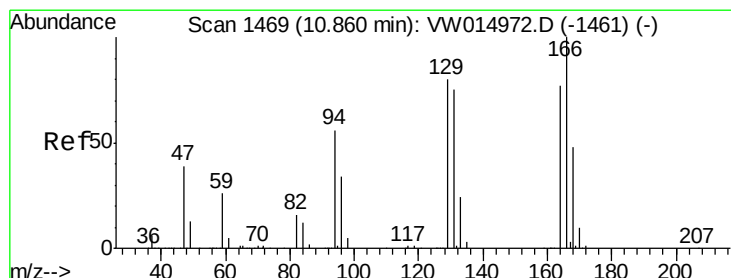
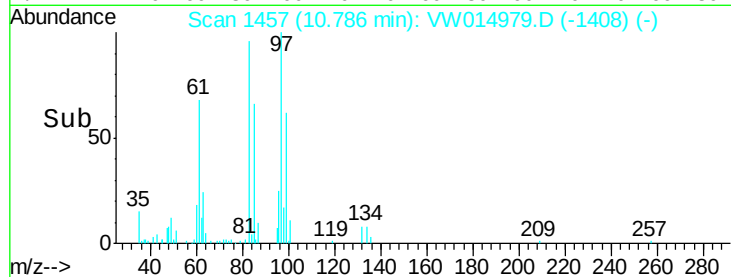
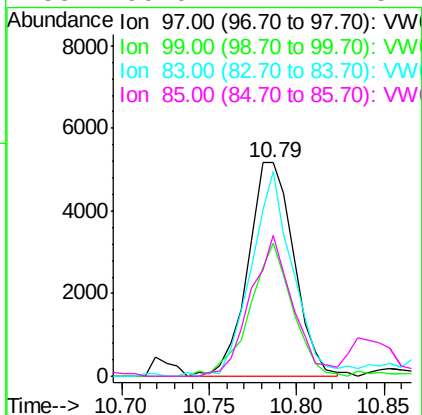
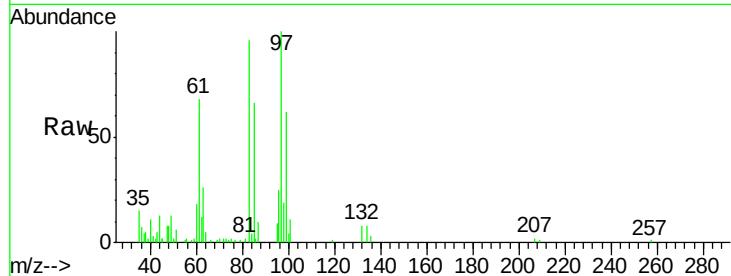
#45
1,1,2-Trichloroethane
Concen: 1.013 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion:	97	Resp:	9394
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.2	82.0
83	95.7	64.1	119.1
85	66.0	42.1	78.1

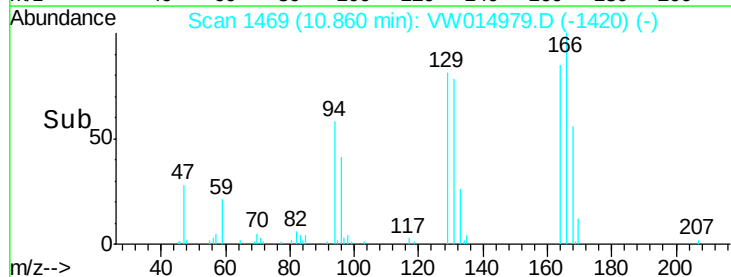
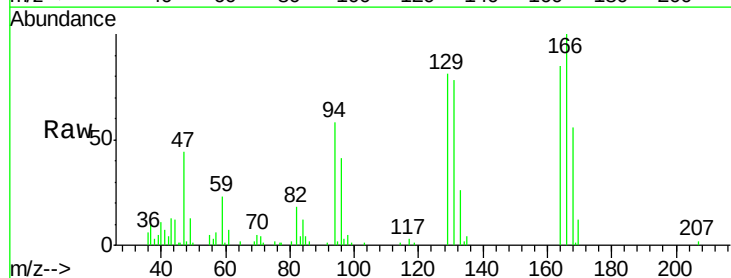
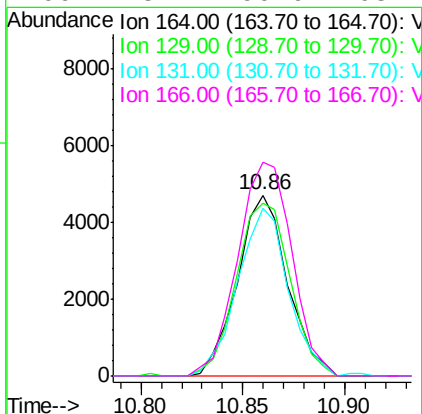
Manual Integrations
APPROVED

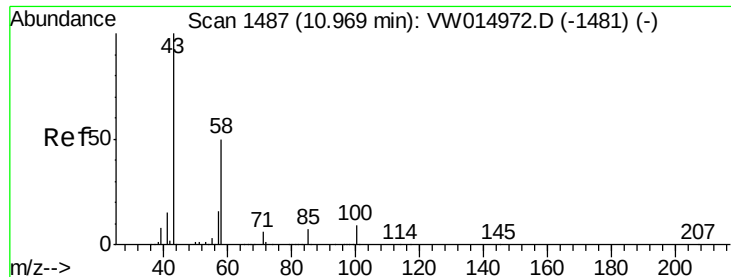
MMDadoda
2/14/2020 4:28:50 PM



#46
Tetrachloroethene
Concen: 0.951 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion:	164	Resp:	8097
Ion	Ratio	Lower	Upper
164	100		
129	95.4	72.2	134.2
131	92.7	68.1	126.5
166	118.1	90.6	168.2





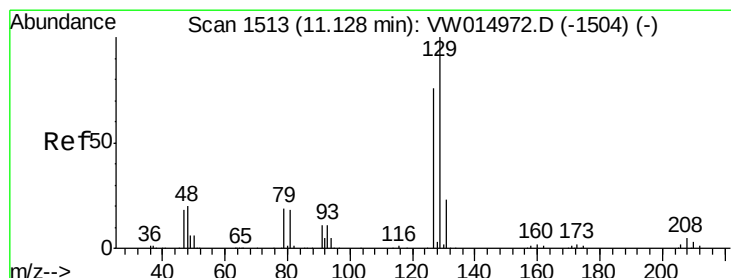
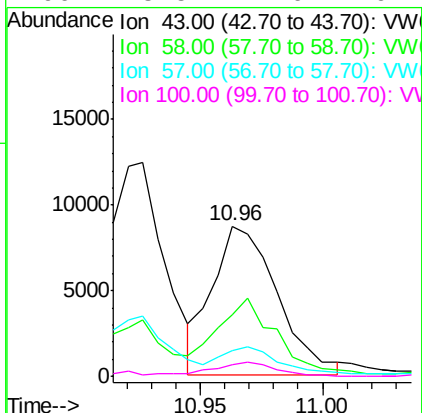
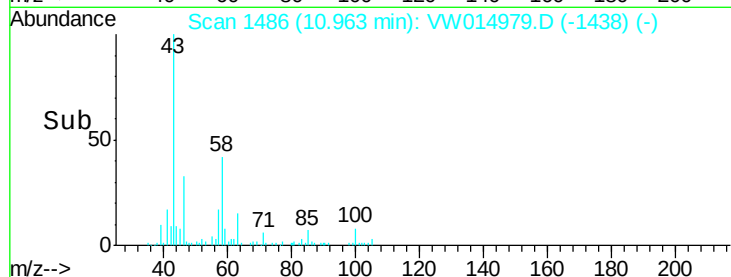
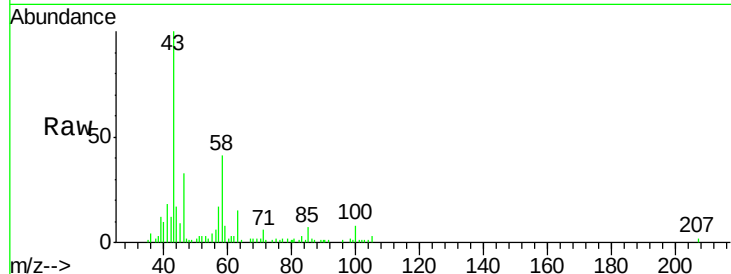
#48
2-Hexanone
Concen: 2.037 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	39.2	58.8
57	19.1	13.1	19.7
100	8.5	7.0	10.4

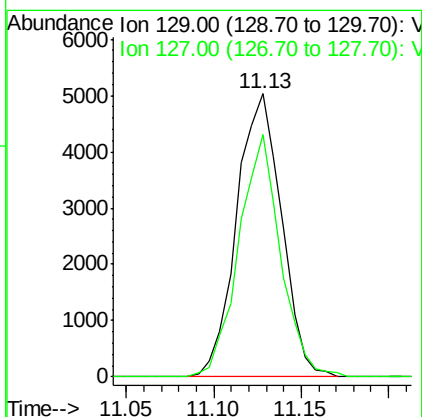
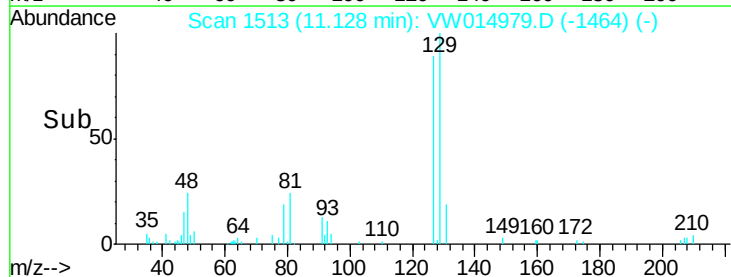
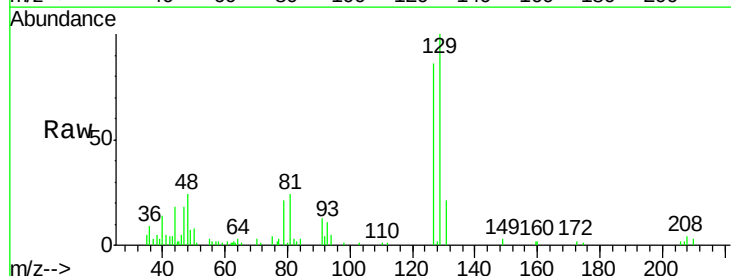
Manual Integrations
APPROVED

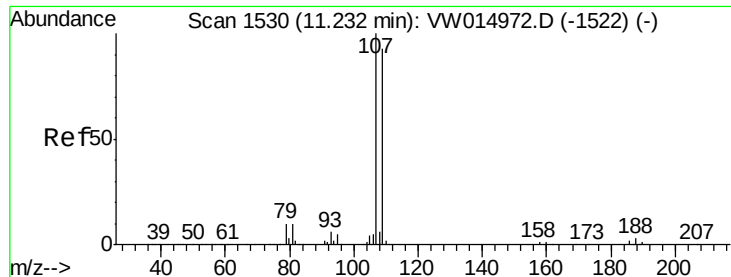
MMDadoda
2/14/2020 4:28:50 PM



#49
Dibromochloromethane
Concen: 0.928 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	85.8	53.0	98.4





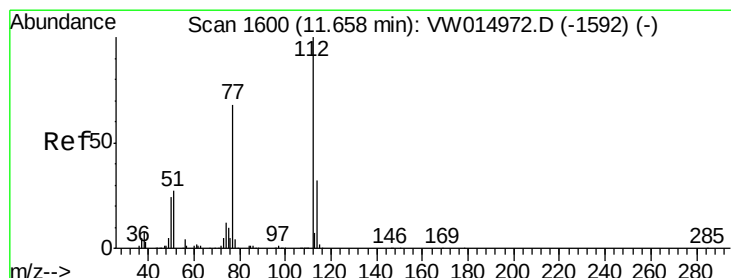
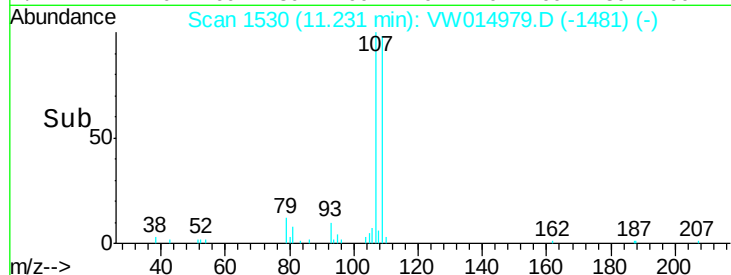
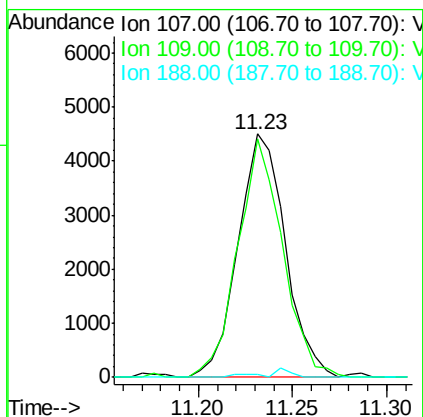
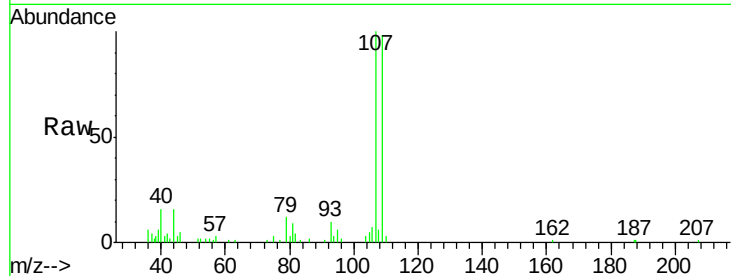
#50
1,2-Dibromoethane
Concen: 0.938 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.9	65.1	120.9
188	1.3	2.4	3.6#

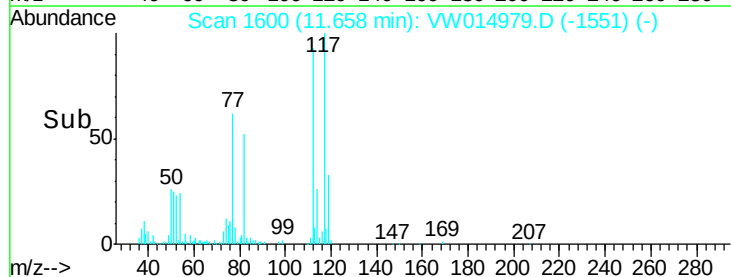
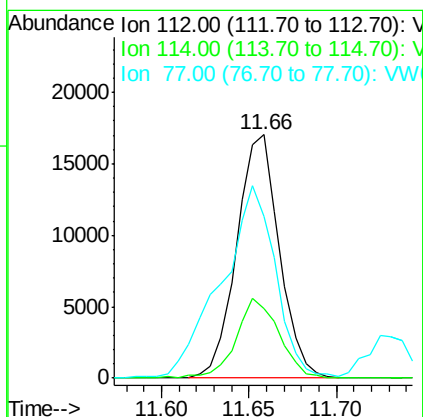
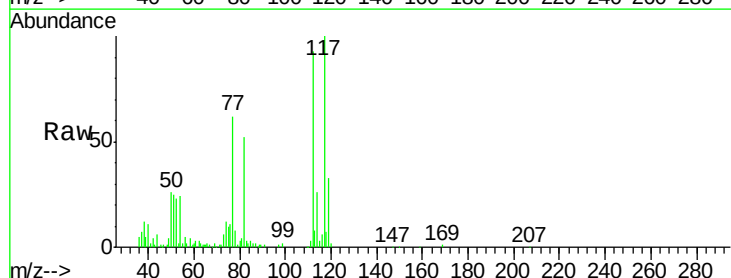
Manual Integrations
APPROVED

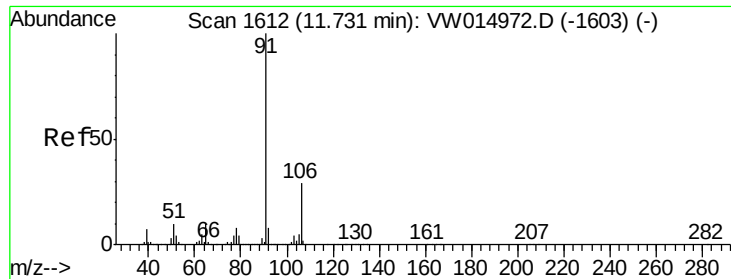
MMDadoda
2/14/2020 4:28:50 PM



#51
Chlorobenzene
Concen: 0.923 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.4	22.6	42.0
77	66.4	54.6	82.0





#52

Ethylbenzene

Concen: 0.849 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 48907

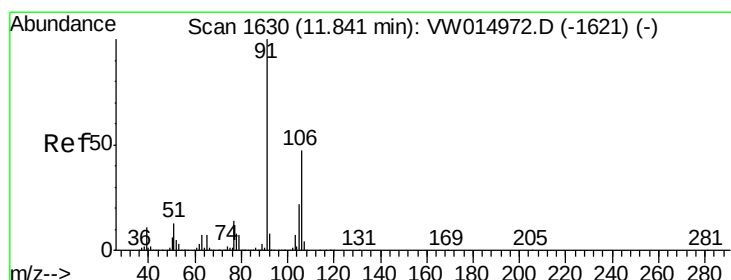
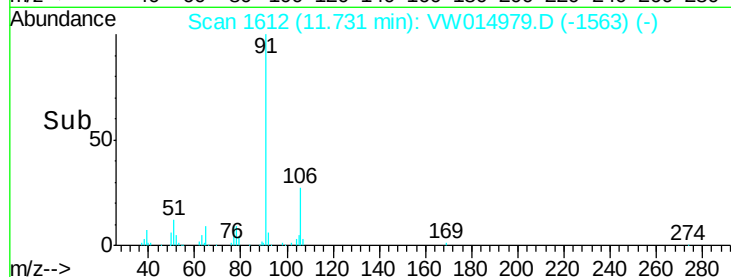
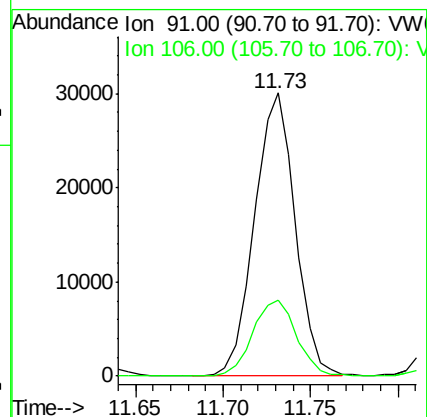
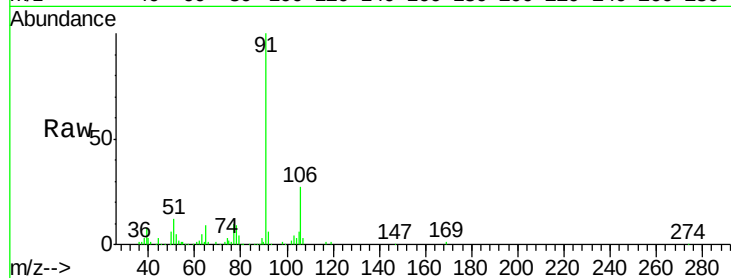
Ion Ratio Lower Upper

91 100

106 26.7 20.2 37.4

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:50 PM



#53

m,p-Xylene

Concen: 0.761 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014979.D

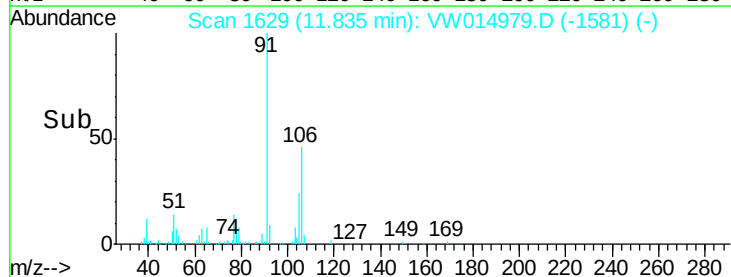
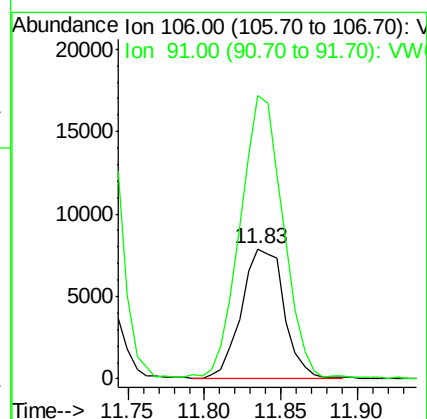
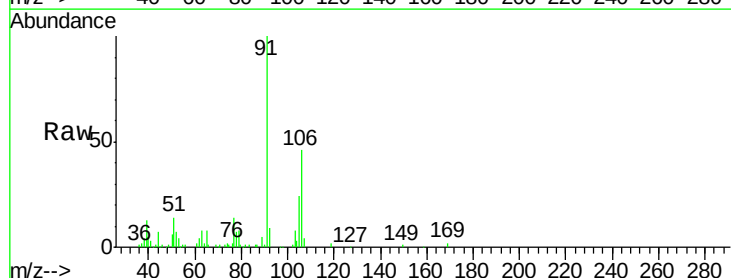
Acq: 13 Feb 2020 14:45

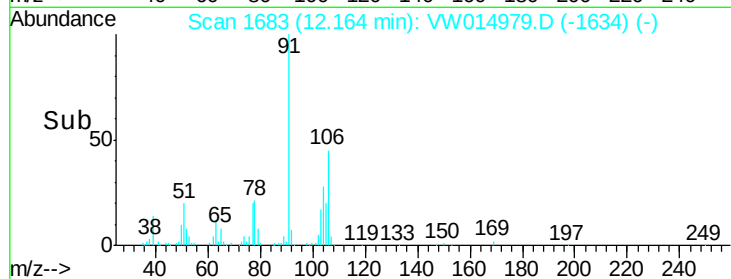
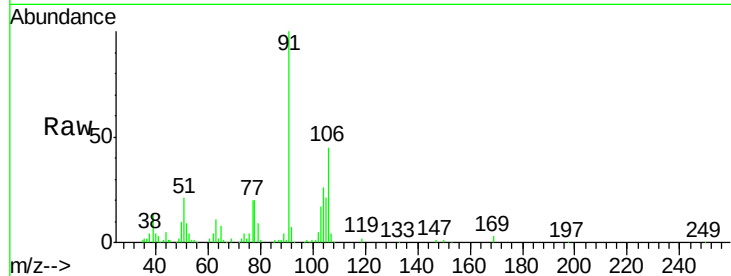
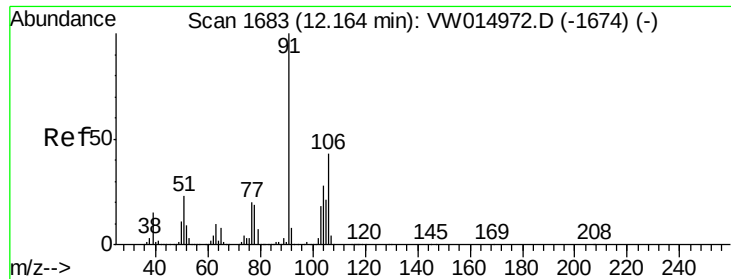
Tgt Ion: 106 Resp: 15375

Ion Ratio Lower Upper

106 100

91 217.1 149.2 277.2





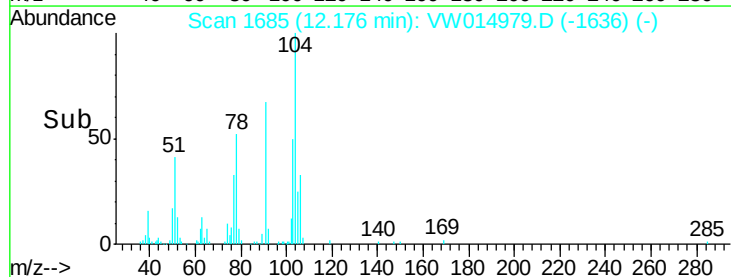
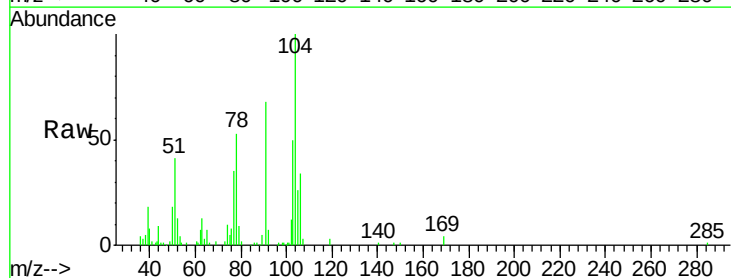
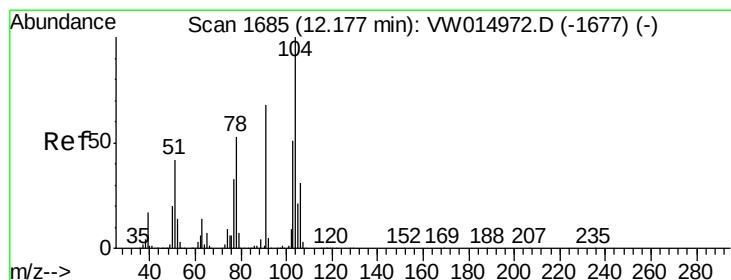
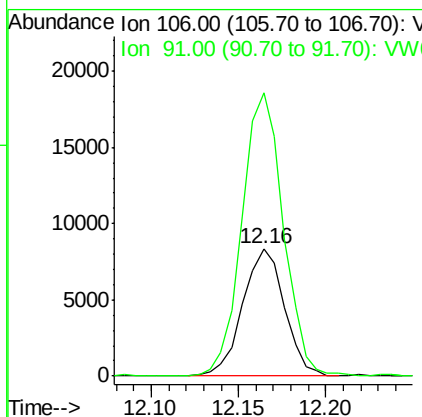
#54
o-Xylene
Concen: 0.734 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion:106 Resp: 13936
Ion Ratio Lower Upper
106 100
91 222.2 163.7 304.1

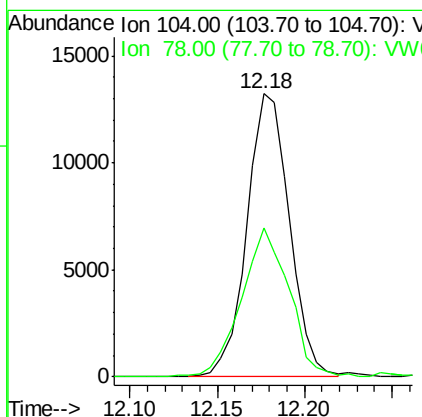
Manual Integrations
APPROVED

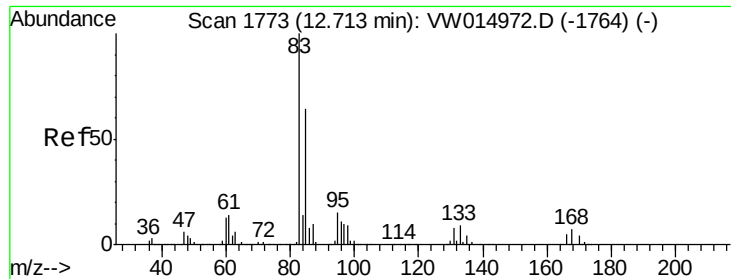
MMDadoda
2/14/2020 4:28:50 PM



#55
Styrene
Concen: 0.682 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion:104 Resp: 22325
Ion Ratio Lower Upper
104 100
78 52.6 36.8 68.4





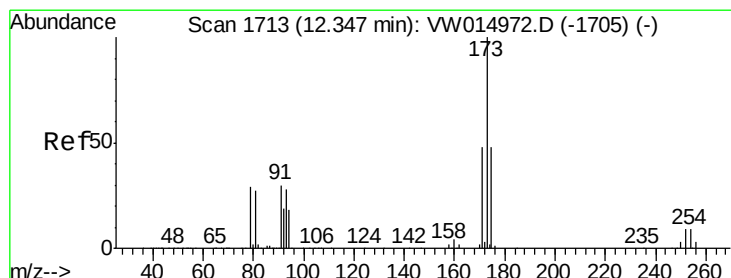
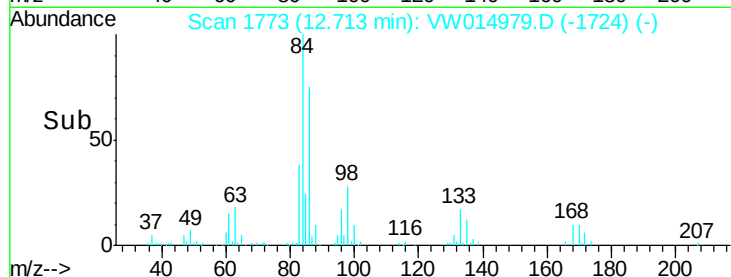
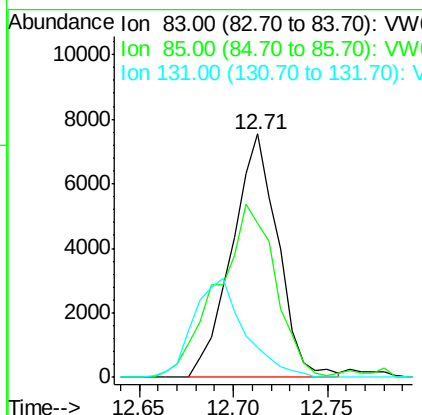
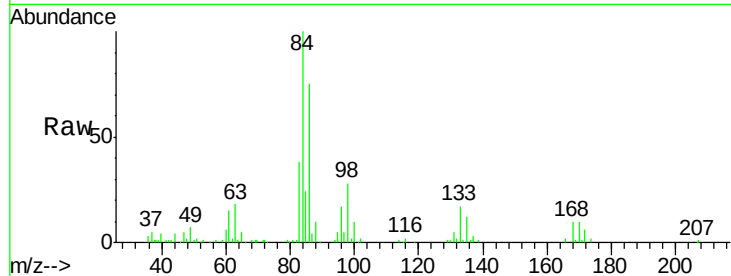
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.029 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	44.9	83.5
131	12.4	6.2	9.2#

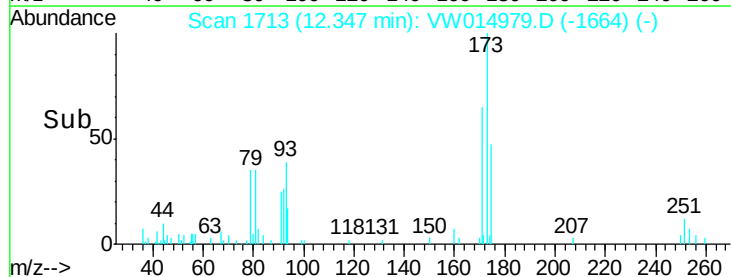
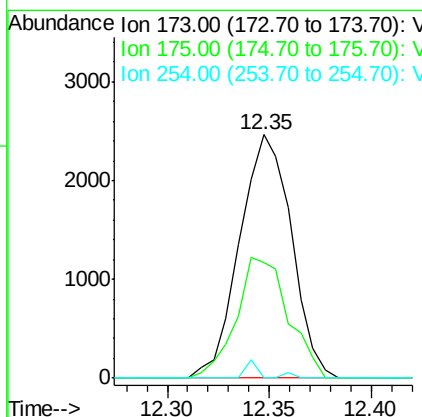
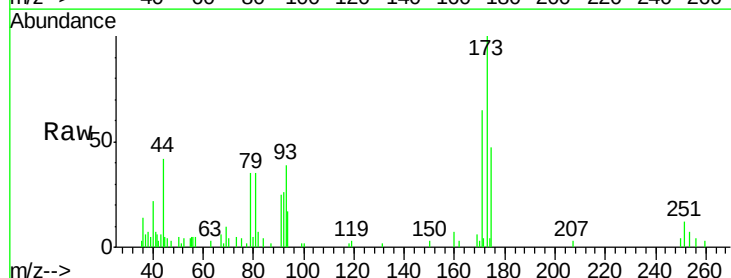
Manual Integrations
 APPROVED

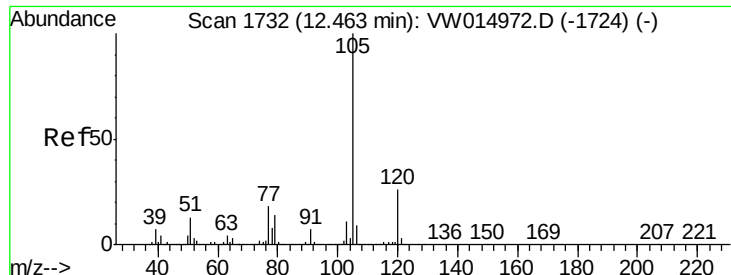
MMDadoda
 2/14/2020 4:28:50 PM



#59
 Bromoform
 Concen: 0.964 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.0	58.4
254	0.0	7.1	10.7#





#60

Isopropylbenzene

Concen: 0.764 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Instrument :

MSVOA_W

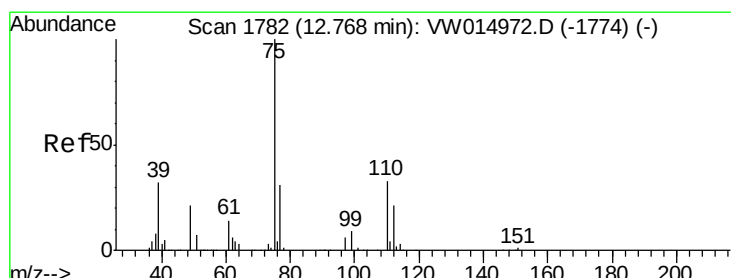
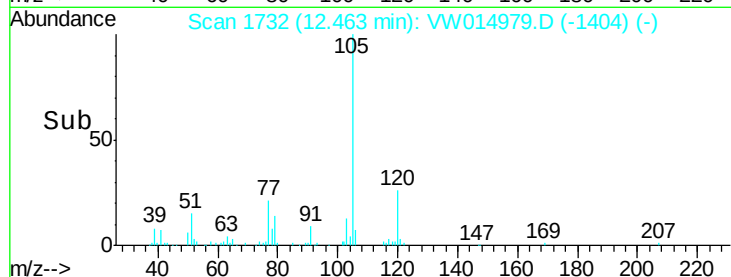
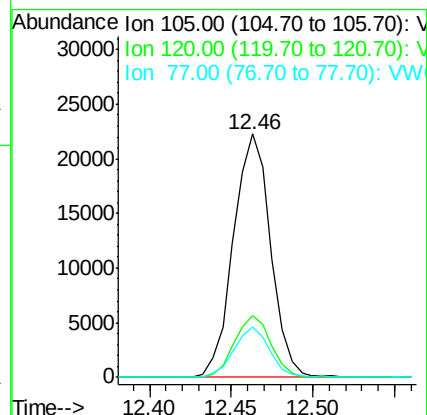
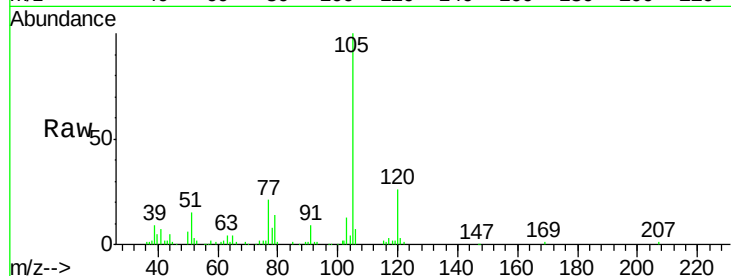
ClientSampled :

MDL01

Tot Ion:	105	Resp:	35289
Ion Ratio	Lower	Upper	
105	100		
120	24.8	20.1	30.1
77	20.0	14.4	21.6

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:50 PM



#61

1,2,3-Trichloropropane

Concen: 1.044 ug/L

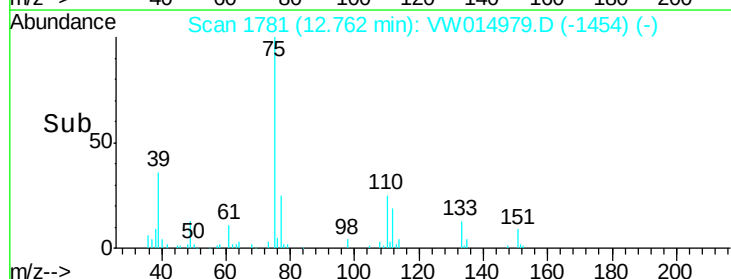
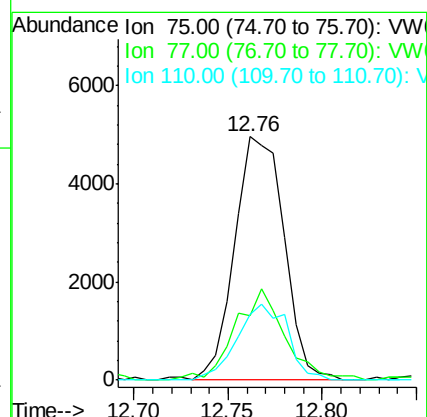
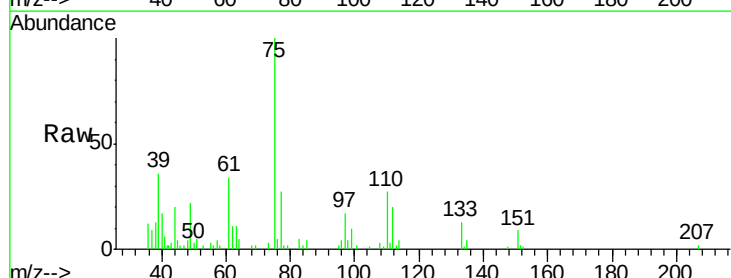
RT: 12.76 min Scan# 1781

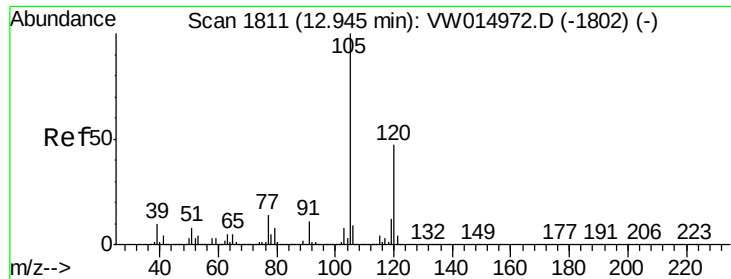
Delta R.T. -0.01 min

Lab File: VW014979.D

Acq: 13 Feb 2020 14:45

Tgt Ion:	75	Resp:	9021
Ion Ratio	Lower	Upper	
75	100		
77	36.1	25.8	38.6
110	31.9	26.6	39.8





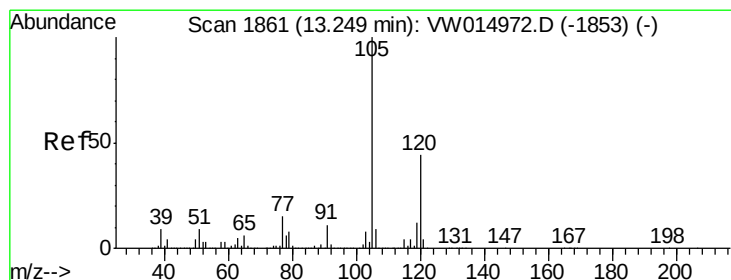
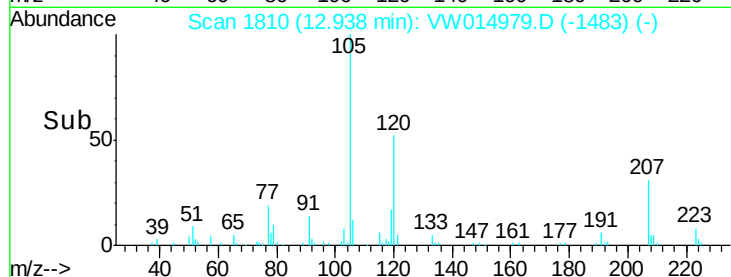
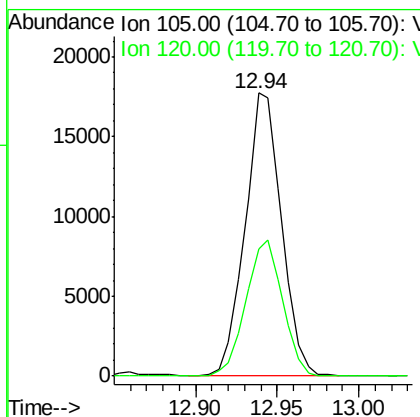
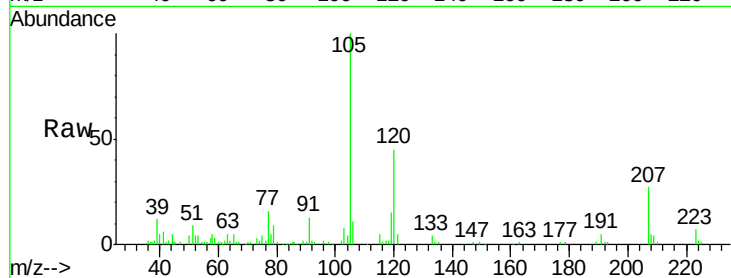
#62
 1,3,5-Trimethylbenzene
 Concen: 0.750 ug/L
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion:105 Resp: 27603
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.4 56.0

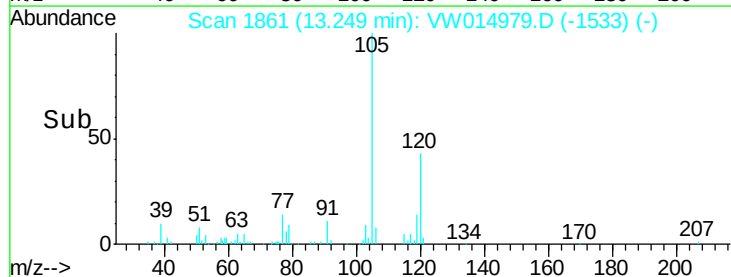
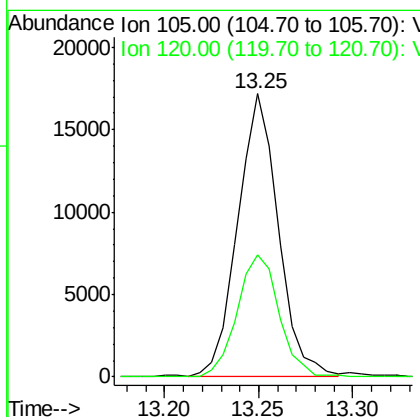
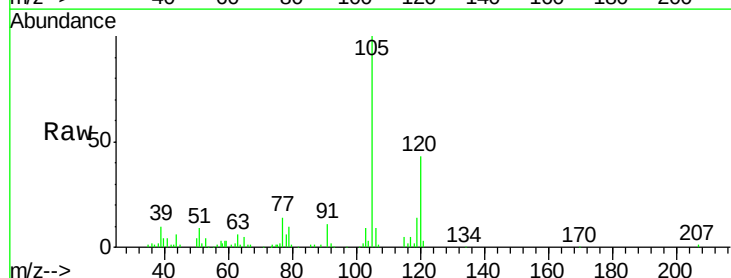
Manual Integrations
 APPROVED

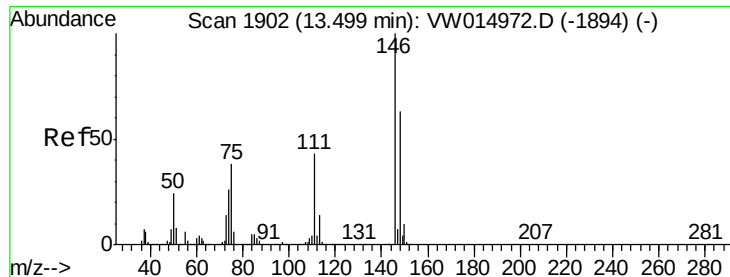
MMDadoda
 2/14/2020 4:28:50 PM



#63
 1,2,4-Trimethylbenzene
 Concen: 0.713 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion:105 Resp: 25674
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.0 52.4





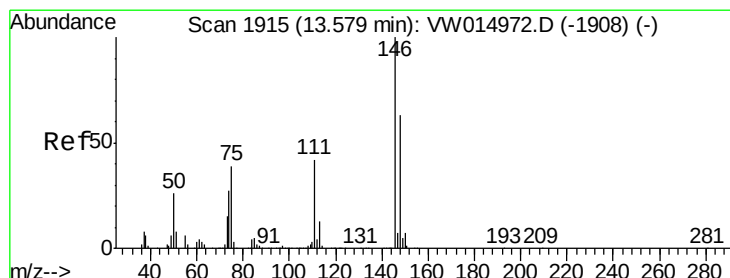
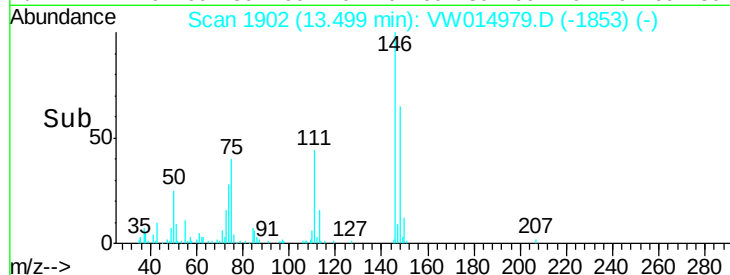
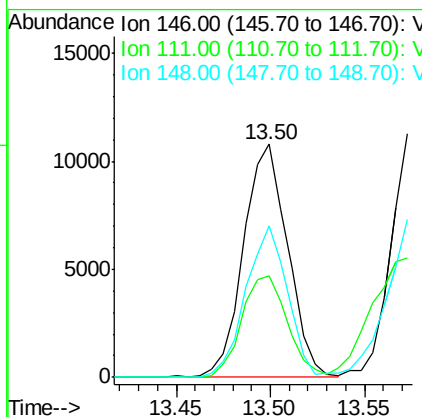
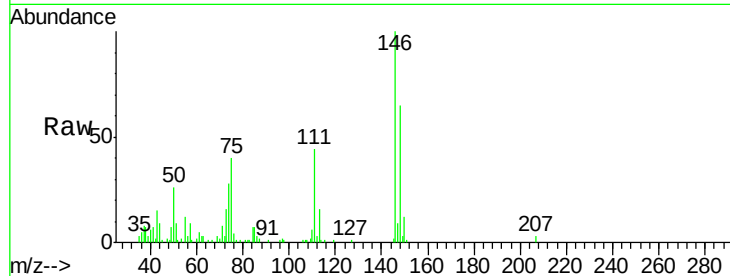
#64
1,3-Dichlorobenzene
Concen: 0.921 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	30.2	56.0
148	65.2	44.2	82.2

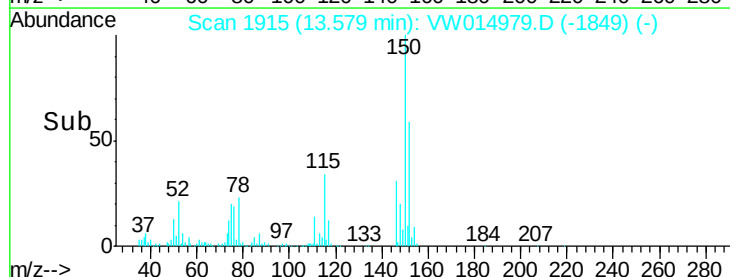
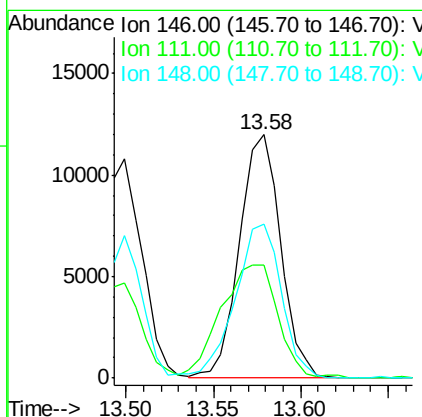
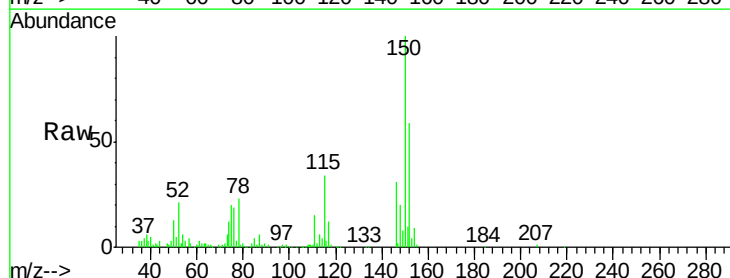
Manual Integrations
APPROVED

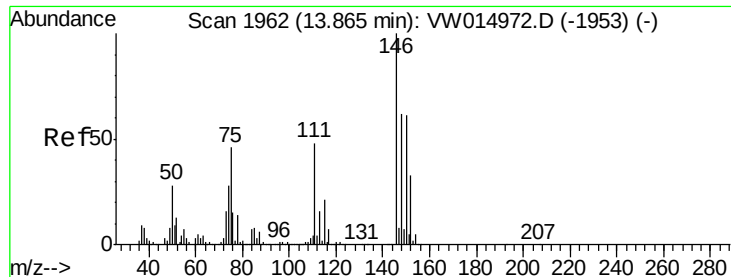
MMDadoda
2/14/2020 4:28:50 PM



#65
1,4-Dichlorobenzene
Concen: 1.005 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	29.5	54.9
148	63.0	43.8	81.3





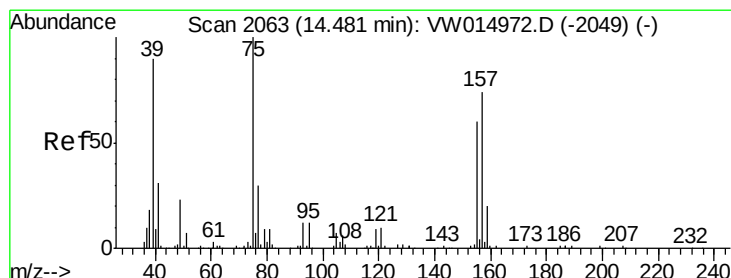
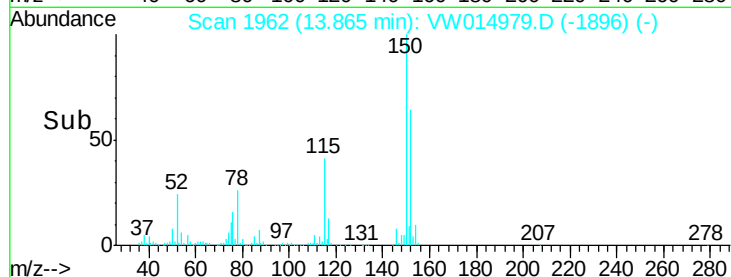
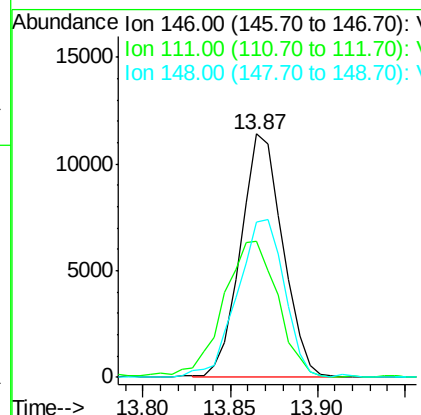
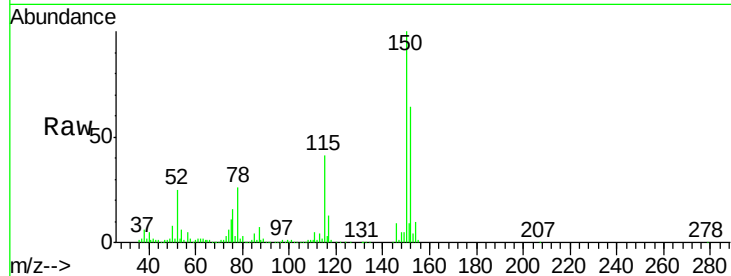
#67
 1,2-Dichlorobenzene
 Concen: 1.085 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.7	38.0	57.0
148	63.7	49.5	74.3

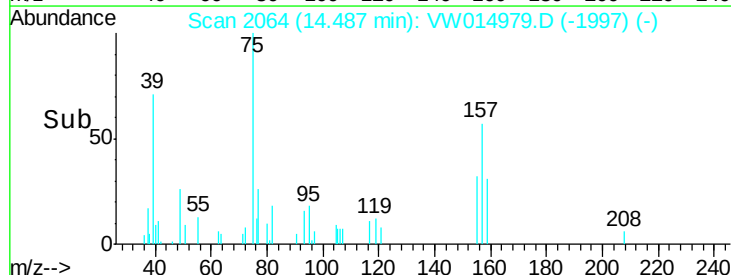
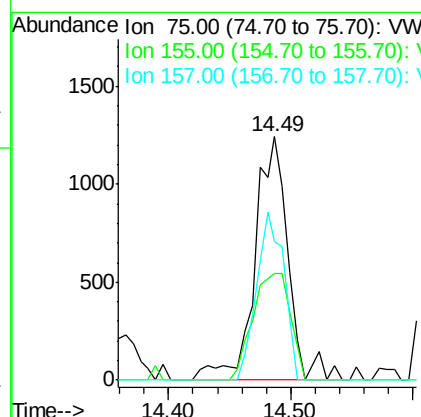
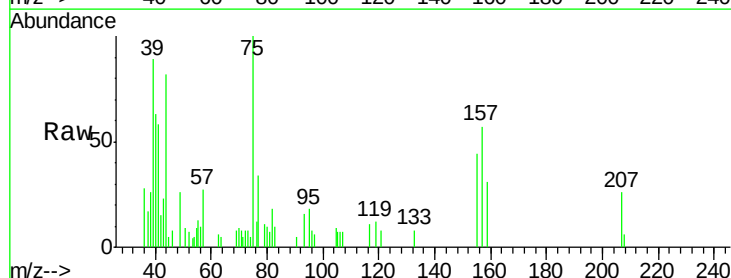
Manual Integrations
 APPROVED

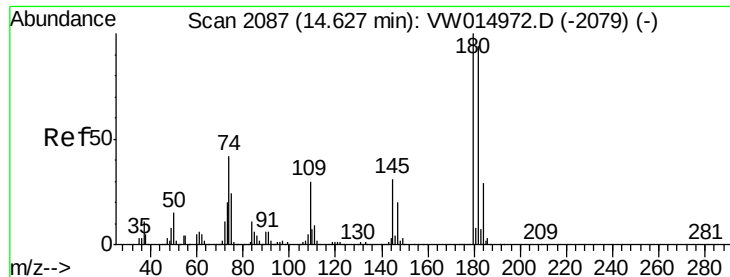
MMDadoda
 2/14/2020 4:28:50 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.300 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	43.8	48.0	72.0#
157	56.9	59.4	89.0#





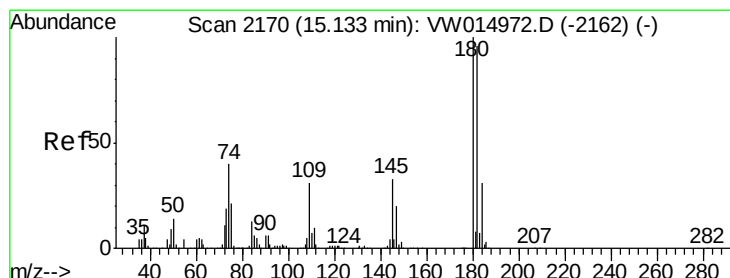
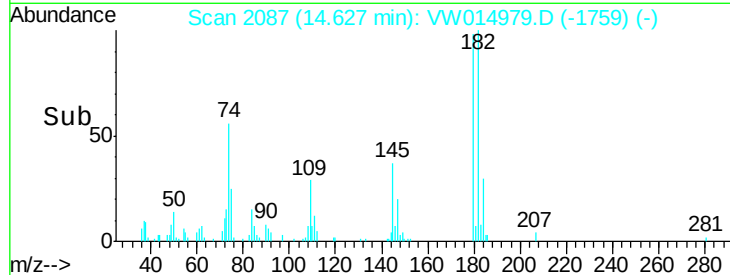
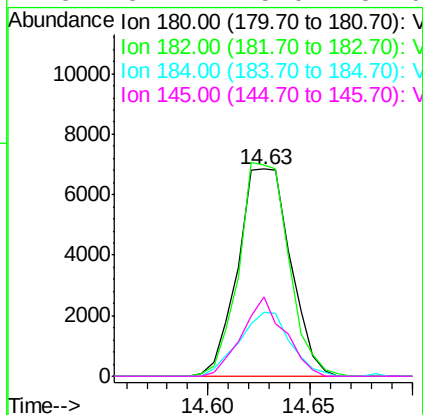
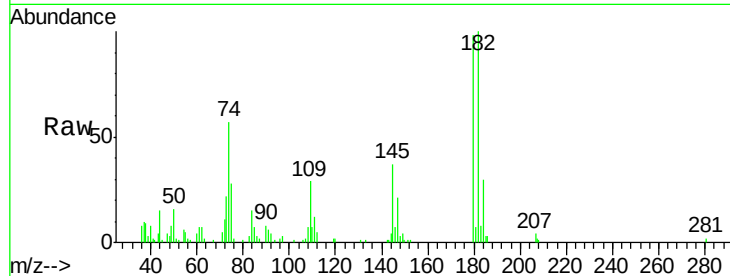
#69
 1,3,5-Trichlorobenzene
 Concen: 0.962 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion:	180	Resp:	12267
Ion Ratio	Lower	Upper	
180	100		
182	96.9	76.5	114.7
184	30.3	24.2	36.2
145	31.1	25.0	37.6

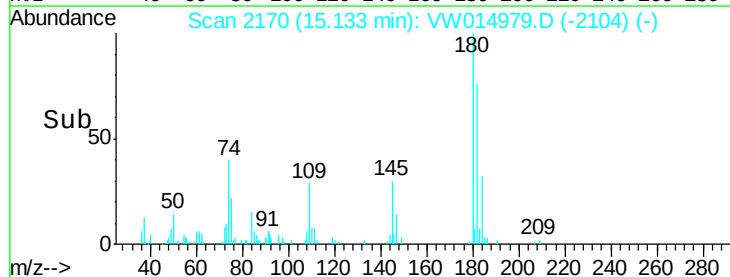
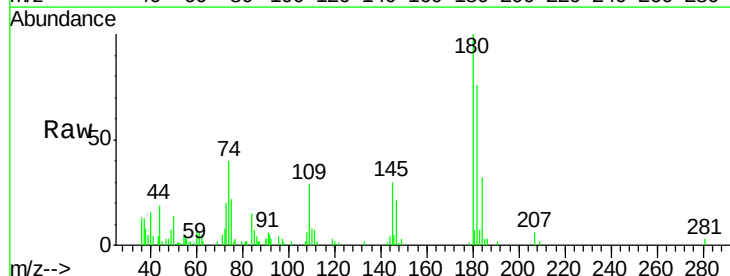
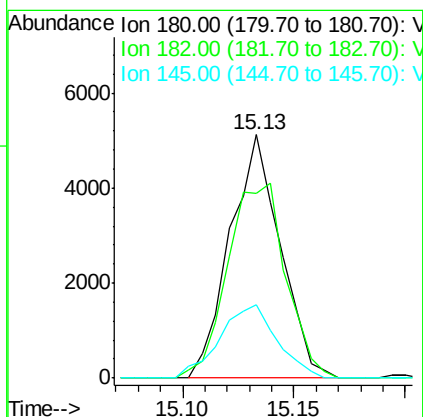
Manual Integrations
 APPROVED

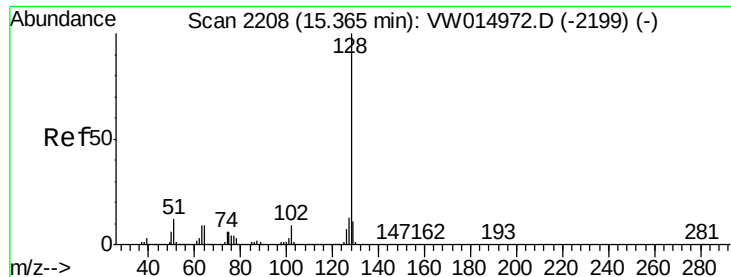
MMDadoda
 2/14/2020 4:28:50 PM



#70
 1,2,4-trichlorobenzene
 Concen: 0.844 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014979.D
 Acq: 13 Feb 2020 14:45

Tgt Ion:	180	Resp:	8068
Ion Ratio	Lower	Upper	
180	100		
182	92.1	76.2	114.4
145	34.3	26.2	39.4





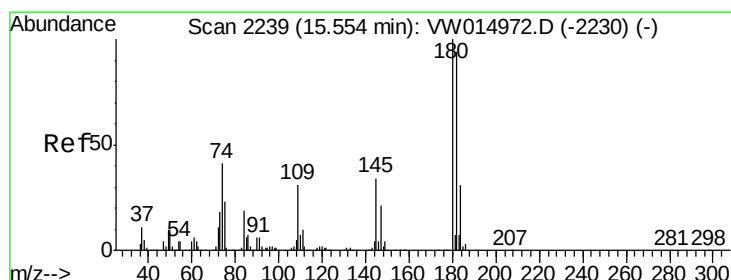
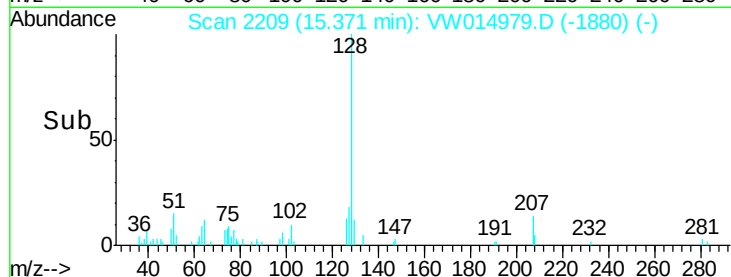
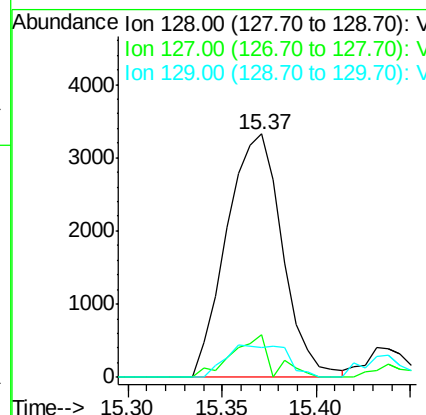
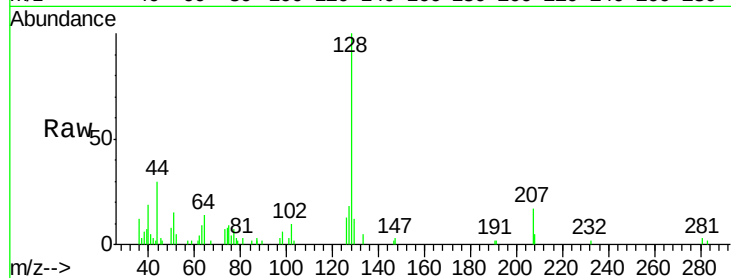
#71
Naphthalene
Concen: 0.694 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.5	15.7#
129	9.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:28:50 PM



#72
1,2,3-Trichlorobenzene
Concen: 0.872 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014979.D
Acq: 13 Feb 2020 14:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	75.2	112.8
145	34.1	27.0	40.6

