

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014994.D
 Acq On : 14 Feb 2020 13:44
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:31 PM

Quant Time: Feb 15 03:33:58 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Sat Feb 15 03:16:02 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	798043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	742424	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	302914	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	377773	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
7) Chloroethane-d5	2.89	69	288387	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	4.02	63	515366	17.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.48%
21) 2-Butanone-d5	7.08	46	191164	42.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.36%
24) Chloroform-d	7.65	84	602835	23.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.08%
26) 1,2-Dichloroethane-d4	8.30	65	361835	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
32) Benzene-d6	8.27	84	1211669	24.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.88%
36) 1,2-Dichloropropane-d6	9.27	67	418312	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	10.32	98	1038272	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	10.58	79	150795	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.28%
47) 2-Hexanone-d5	10.92	63	134107	43.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.64%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	286194	22.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.16%
66) 1,2-Dichlorobenzene-d4	13.85	152	281512	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	12932	1.631 ug/L	93
3) Chloromethane	2.21	50	30462	2.043 ug/L	99
5) Vinyl chloride	2.37	62	40557	2.113 ug/L #	66
6) Bromomethane	2.78	94	17742	2.038 ug/L	90
8) Chloroethane	2.93	64	19620	1.911 ug/L	90
9) Trichlorofluoromethane	3.26	101	13366	1.763 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	28725m	2.316 ug/L	
12) 1,1-Dichloroethene	4.05	96	26242	2.206 ug/L #	1
13) Acetone	4.13	43	20365	4.355 ug/L	96
14) Carbon disulfide	4.38	76	81146	1.887 ug/L	99
15) Methyl Acetate	4.68	43	14128	1.741 ug/L #	87
16) Methylene chloride	4.92	84	59030	4.003 ug/L	95
17) trans-1,2-Dichloroethene	5.42	96	23145	1.929 ug/L	81
18) Methyl tert-butyl Ether	5.42	73	27552	1.860 ug/L #	90
19) 1,1-Dichloroethane	6.22	63	52625	1.963 ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	24529	1.983 ug/L #	98
22) 2-Butanone	7.17	43	18486	3.289 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014994.D
 Acq On : 14 Feb 2020 13:44
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:31 PM

Quant Time: Feb 15 03:33:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	9982	1.990	ug/L	83
25) Chloroform	7.68	83	51549	2.158	ug/L	100
27) 1,2-Dichloroethane	8.40	62	34331	1.956	ug/L	98
29) Cyclohexane	7.96	56	39273	1.622	ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	35484	1.965	ug/L	96
31) Carbon tetrachloride	8.07	117	31736	1.950	ug/L	98
33) Benzene	8.32	78	110739	2.032	ug/L	100
34) Trichloroethene	9.09	95	25796	1.976	ug/L	94
35) Methylcyclohexane	9.34	83	39844	1.770	ug/L	95
37) 1,2-Dichloropropane	9.37	63	29973	1.969	ug/L	99
38) Bromodichloromethane	9.64	83	33644	1.963	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	37112	1.822	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	34960	3.226	ug/L	99
42) Toluene	10.38	91	108086	2.052	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	30320m	1.794	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	17463	1.891	ug/L	93
46) Tetrachloroethene	10.86	164	16765	1.978	ug/L	90
48) 2-Hexanone	10.97	43	25651	3.248	ug/L	97
49) Dibromochloromethane	11.12	129	17578	1.827	ug/L	95
50) 1,2-Dibromoethane	11.23	107	15402	1.850	ug/L	83
51) Chlorobenzene	11.65	112	61336	1.974	ug/L	98
52) Ethylbenzene	11.73	91	103080	1.797	ug/L	99
53) m,p-Xylene	11.84	106	36623	1.819	ug/L	90
54) o-Xylene	12.16	106	30586	1.618	ug/L	90
55) Styrene	12.18	104	50197	1.540	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.71	83	24319	1.968	ug/L	98
59) Bromoform	12.35	173	9320	2.012	ug/L	98
60) Isopropylbenzene	12.46	105	81170	1.712	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	18074	2.036	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	61965	1.639	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	58123	1.571	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	37695	1.928	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	40225	1.996	ug/L	98
67) 1,2-Dichlorobenzene	13.86	146	38074	2.105	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.48	75	3755	2.023	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.63	180	25865	1.974	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	16974	1.729	ug/L	98
71) Naphthalene	15.36	128	13031	1.292	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	15887	1.746	ug/L	100

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

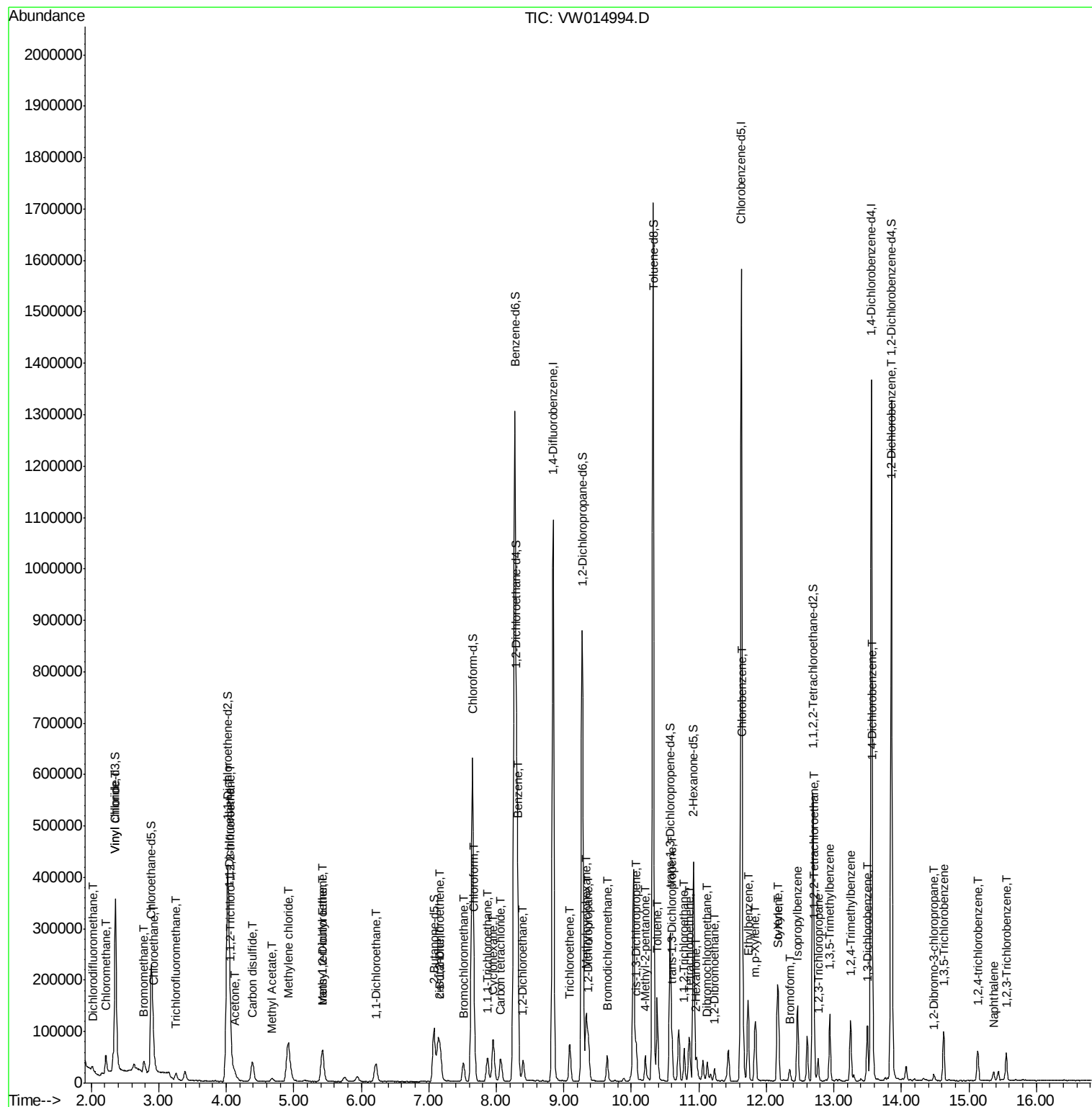
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
Data File : VW014994.D
Acq On : 14 Feb 2020 13:44
Operator : SY/VA
Sample : MDL04
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

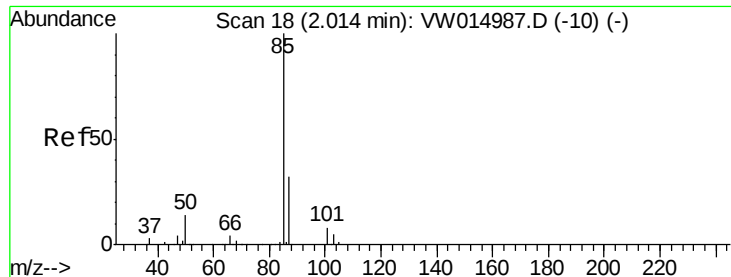
Instrument :
MSVOA_W
ClientSampled :
MDL04

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM

Quant Time: Feb 15 03:33:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Feb 15 03:16:02 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.631 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion: 85 Resp: 12932

Ion Ratio Lower Upper

85 100

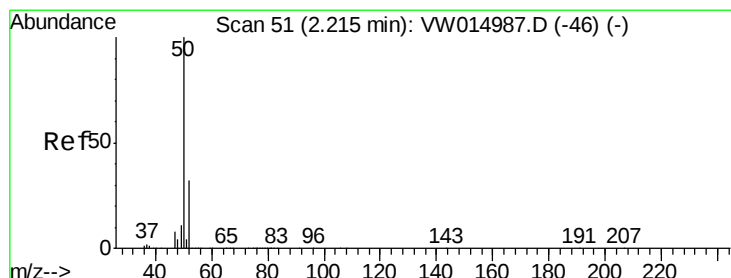
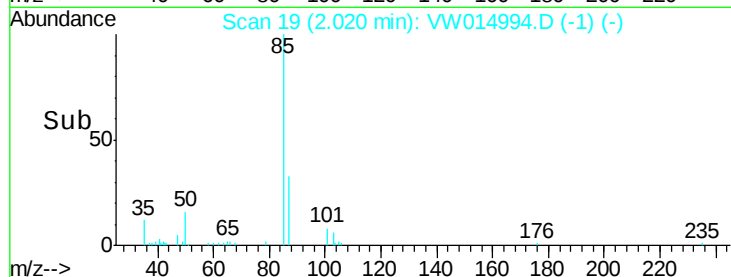
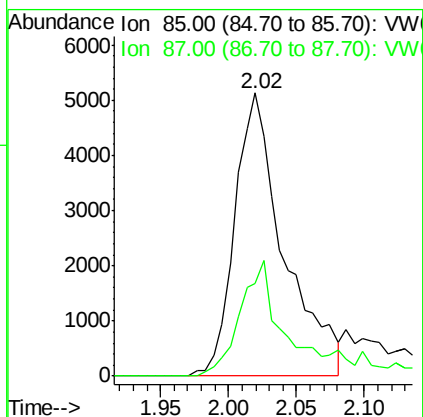
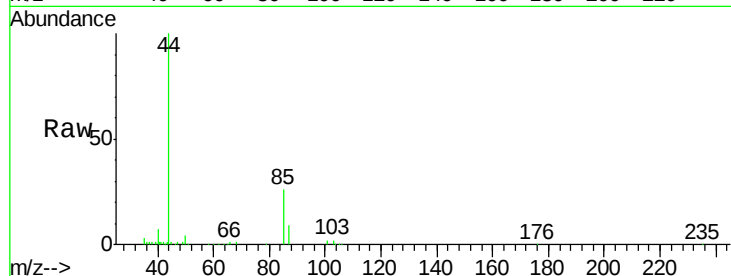
87 30.3 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

2/17/2020 3:46:31 PM



#3

Chloromethane

Concen: 2.043 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014994.D

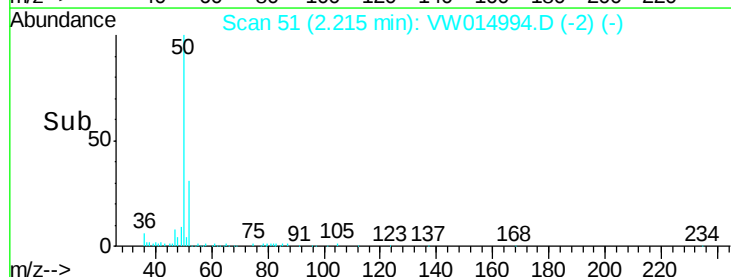
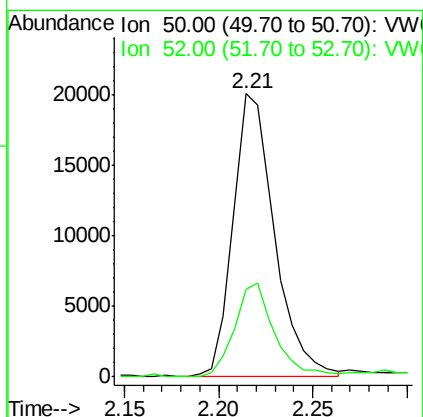
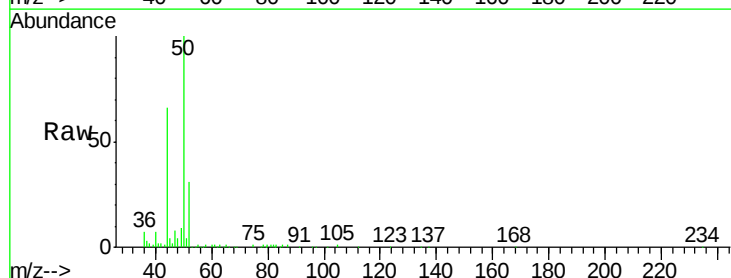
Acq: 14 Feb 2020 13:44

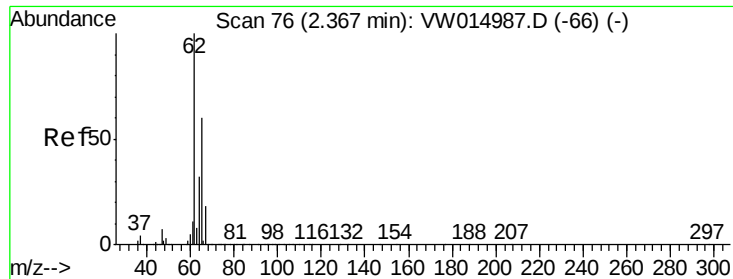
Tgt Ion: 50 Resp: 30462

Ion Ratio Lower Upper

50 100

52 31.2 22.3 41.3





#5

Vinyl chloride

Concen: 2.113 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 40557

Ion Ratio Lower Upper

62 100

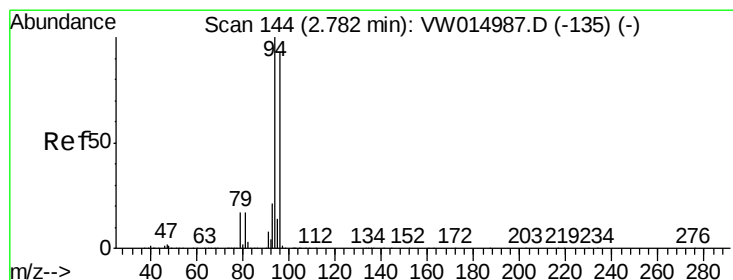
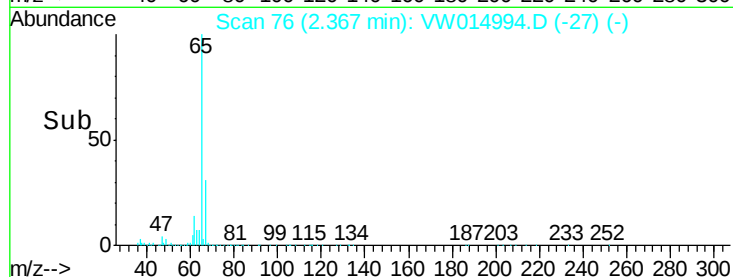
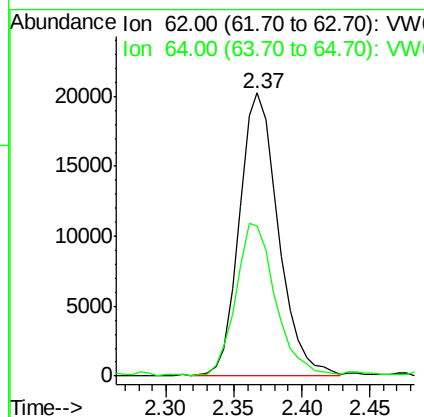
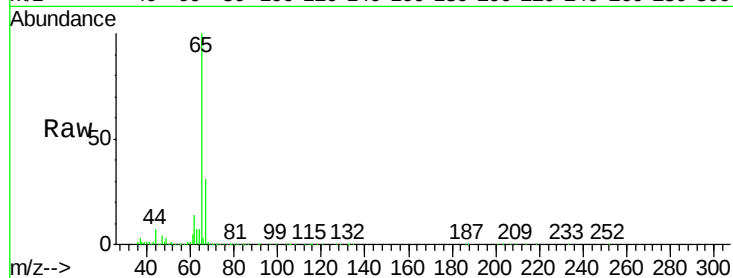
64 53.0 23.6 43.8#

Manual Integrations

APPROVED

MMDadoda

2/17/2020 3:46:31 PM



#6

Bromomethane

Concen: 2.038 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014994.D

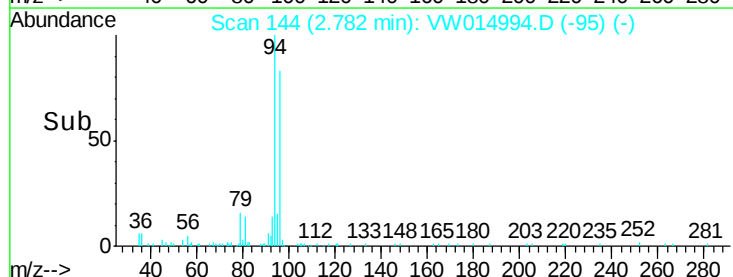
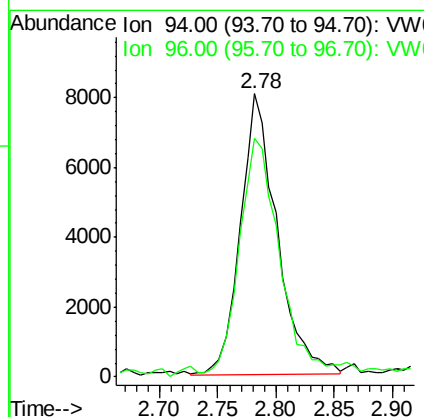
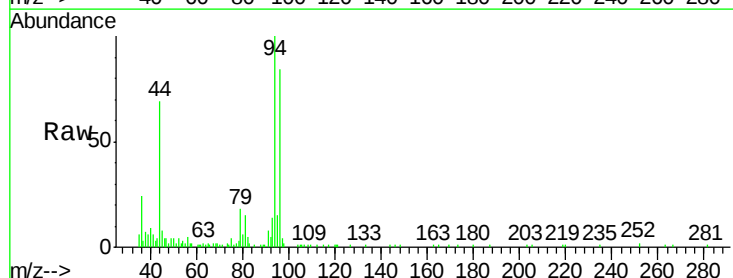
Acq: 14 Feb 2020 13:44

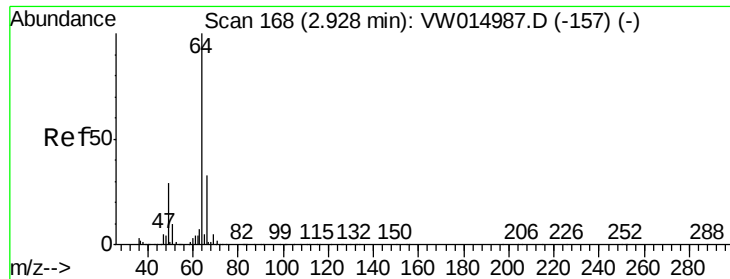
Tgt Ion: 94 Resp: 17742

Ion Ratio Lower Upper

94 100

96 84.3 65.8 122.2





#8

Chloroethane

Concen: 1.911 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 19620

Ion Ratio Lower Upper

64 100

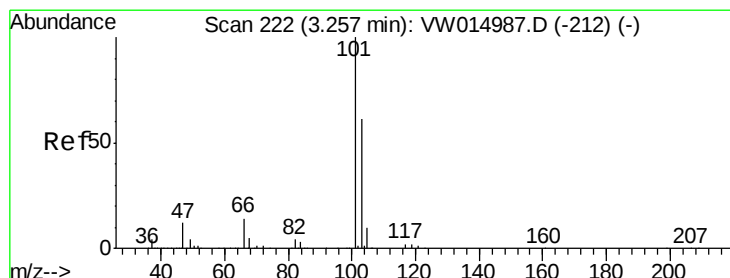
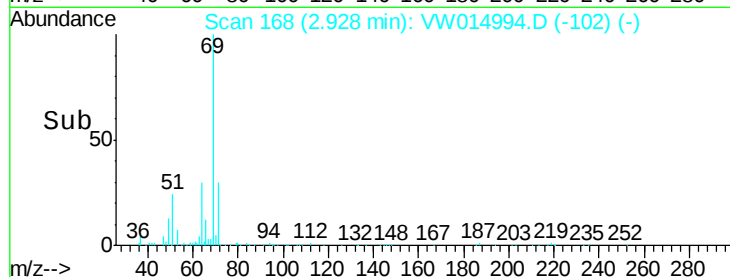
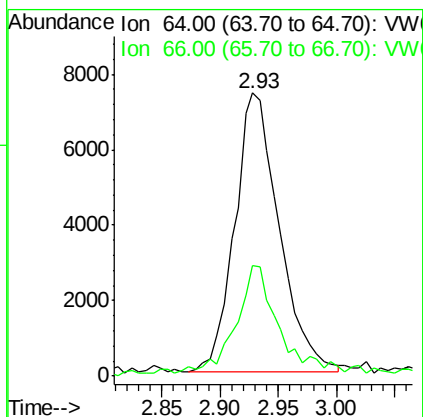
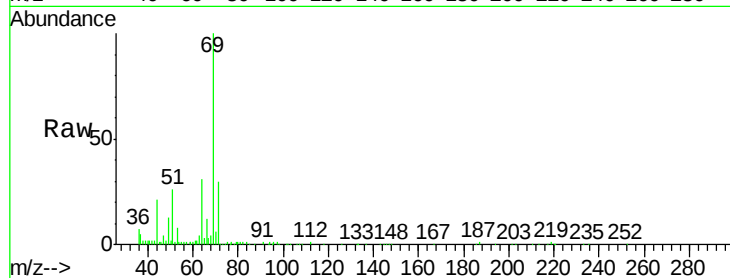
66 38.9 23.1 42.9

Manual Integrations

APPROVED

MMDadoda

2/17/2020 3:46:31 PM



#9

Trichlorofluoromethane

Concen: 1.763 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014994.D

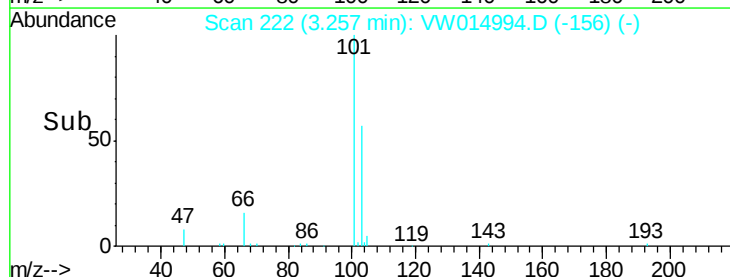
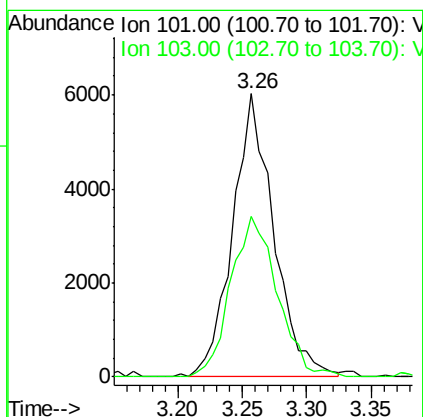
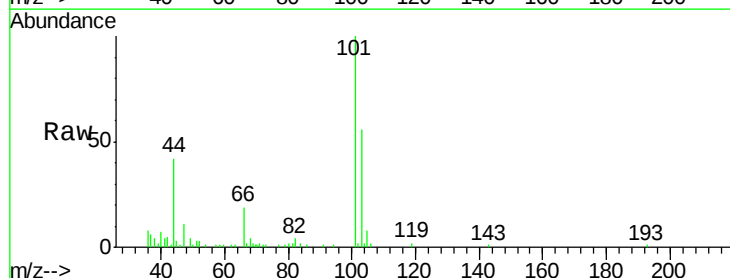
Acq: 14 Feb 2020 13:44

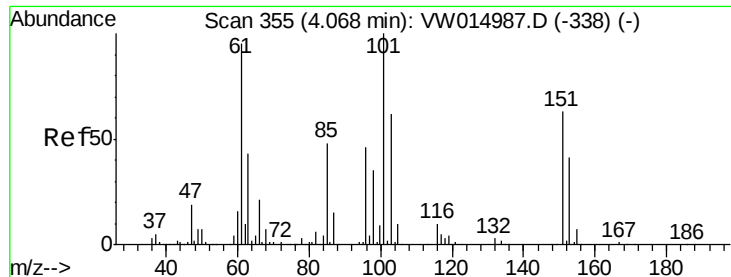
Tgt Ion: 101 Resp: 13366

Ion Ratio Lower Upper

101 100

103 63.3 51.5 77.3





#10

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

Concen: 2.316 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

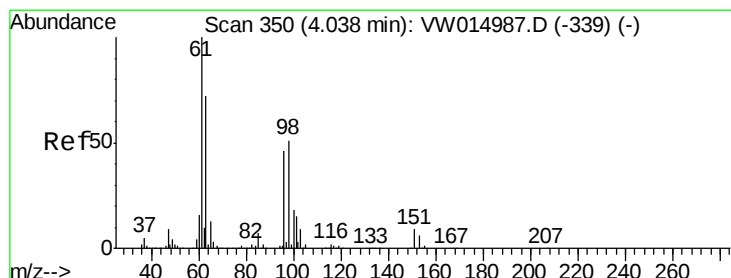
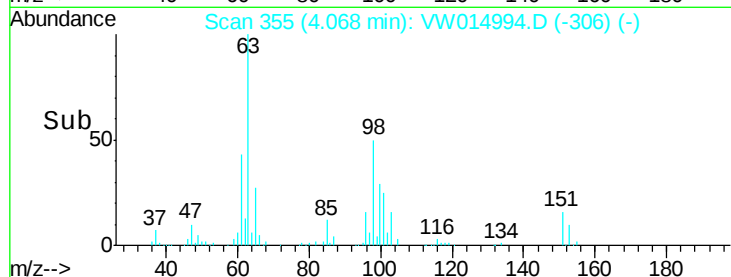
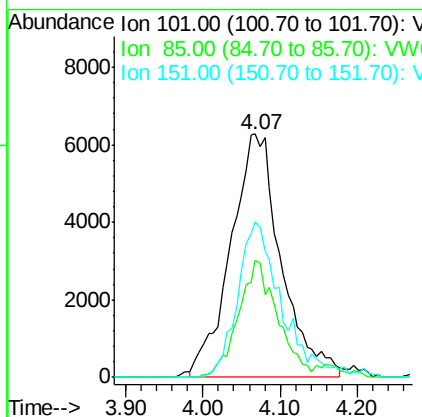
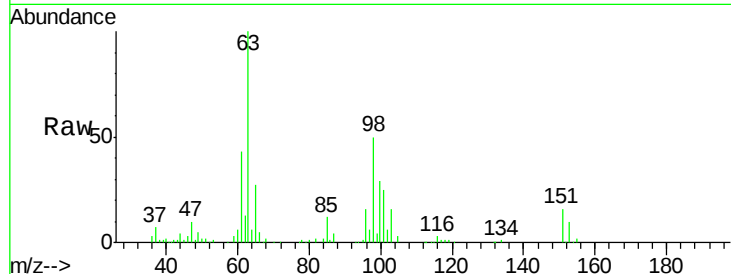
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	28725
Ion Ratio	Lower	Upper	
101	100		
85	36.9	36.5	54.7
151	46.8	50.2	75.4#

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM



#12

1,1-Dichloroethene

Concen: 2.206 ug/L

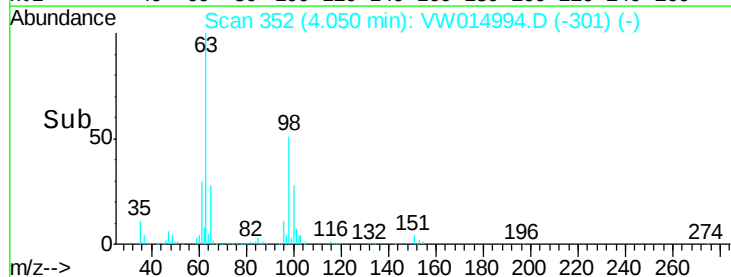
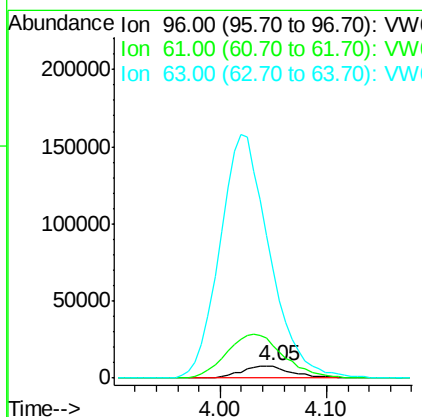
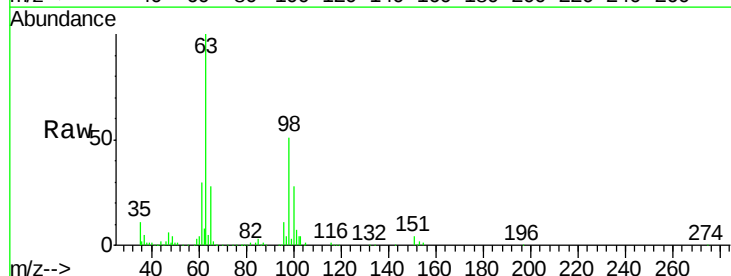
RT: 4.05 min Scan# 352

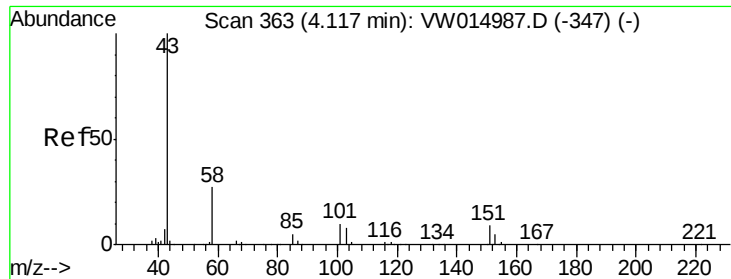
Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion:	96	Resp:	26242
Ion Ratio	Lower	Upper	
96	100		
61	269.1	147.0	273.0
63	891.4	113.4	210.6#





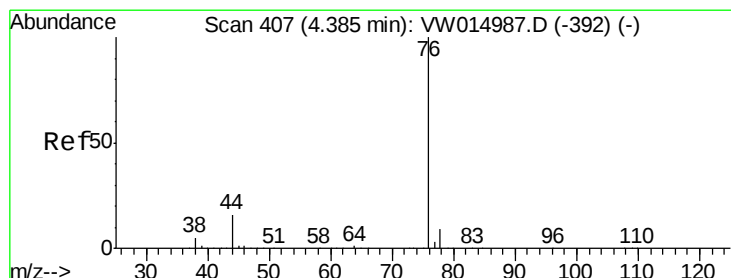
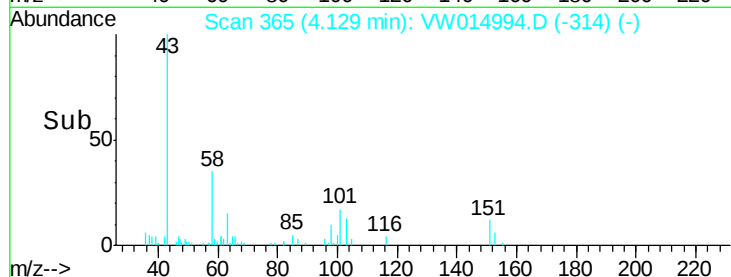
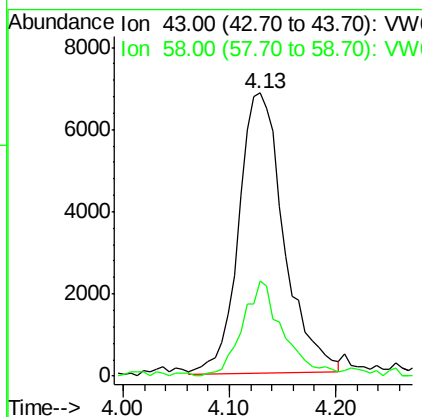
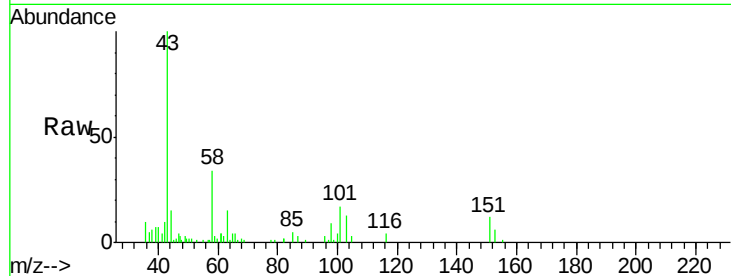
#13
Acetone
Concen: 4.355 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.6	0.0	54.6

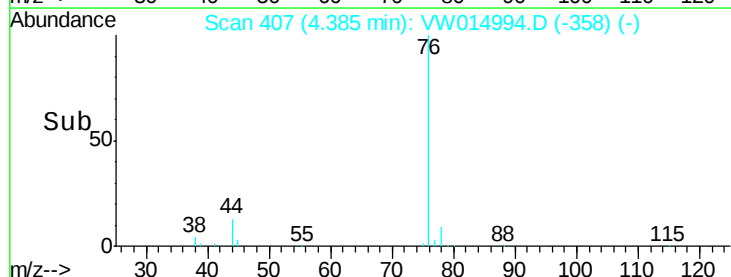
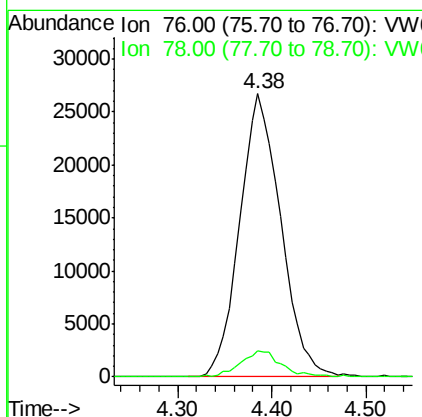
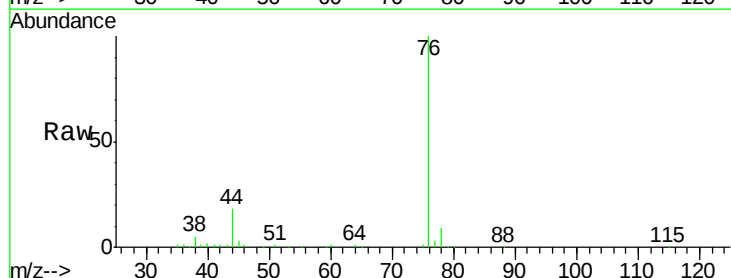
Manual Integrations
APPROVED

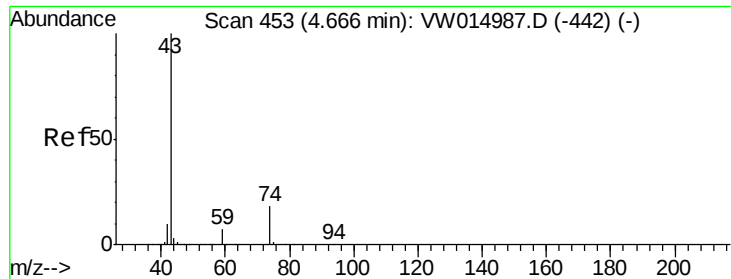
MMDadoda
2/17/2020 3:46:31 PM



#14
Carbon disulfide
Concen: 1.887 ug/L
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8





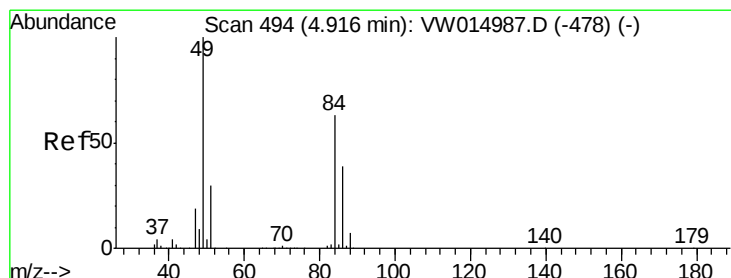
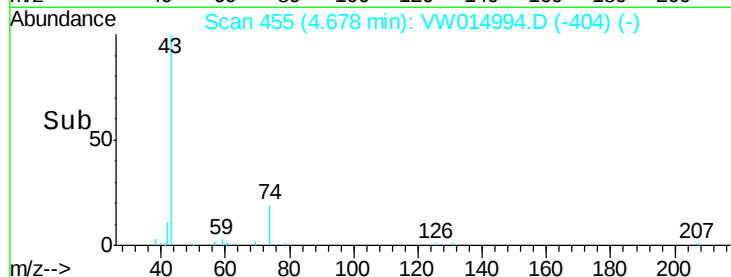
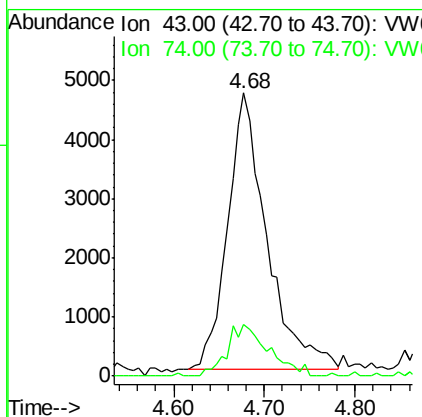
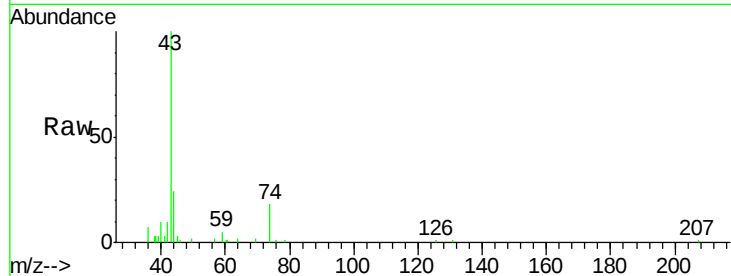
#15
Methyl Acetate
Concen: 1.741 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
74	12.4	14.6	21.8#

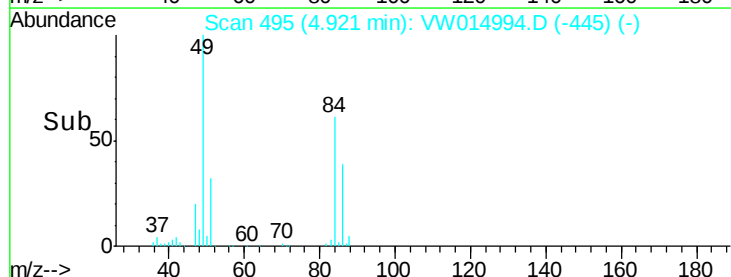
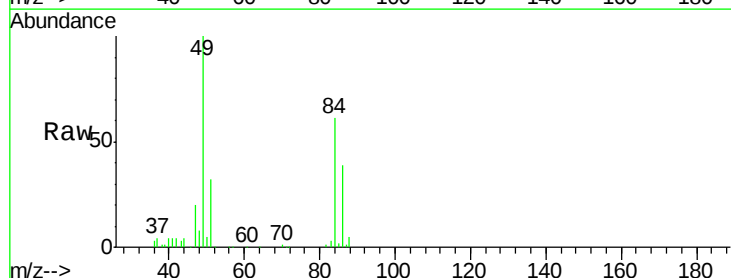
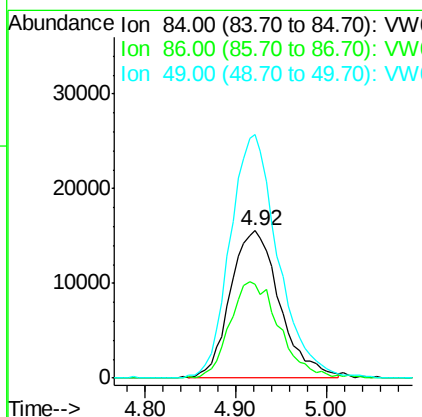
Manual Integrations
APPROVED

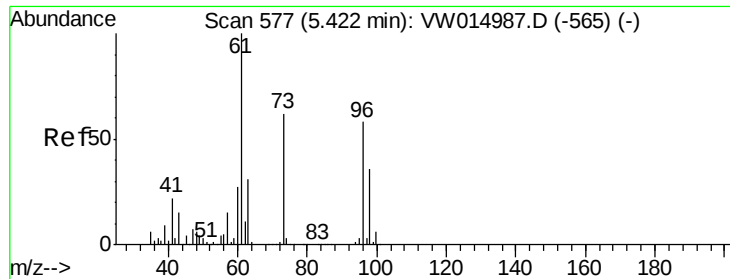
MMDadoda
2/17/2020 3:46:31 PM



#16
Methylene chloride
Concen: 4.003 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
84	100		
86	64.0	44.4	82.4
49	165.0	109.0	202.4





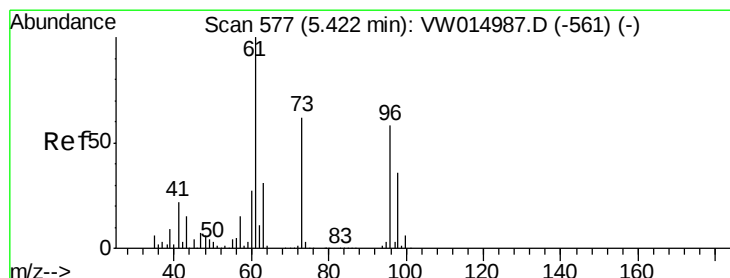
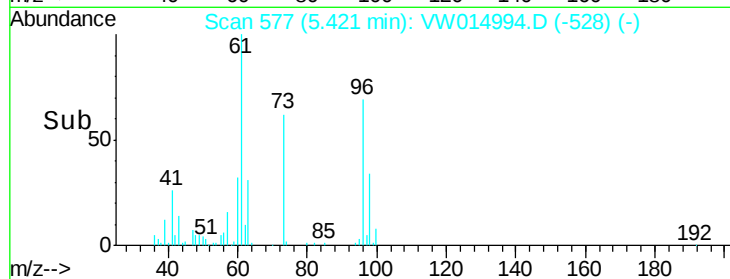
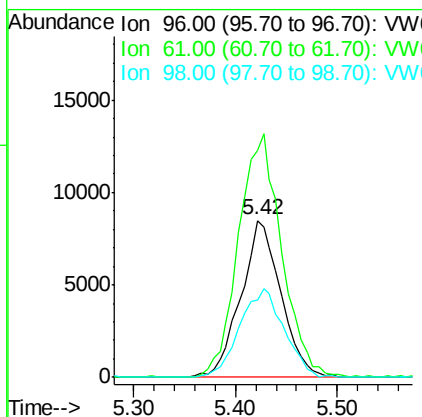
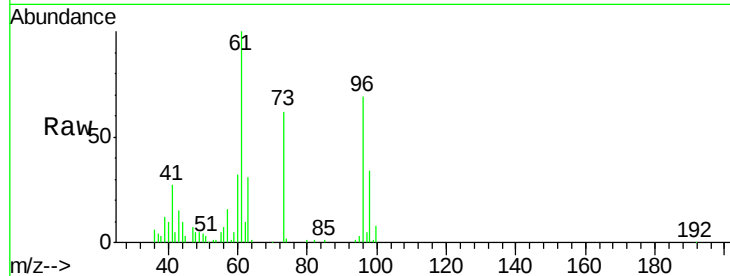
#17
trans-1,2-Dichloroethene
Concen: 1.929 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	120.1	223.1
98	49.4	43.8	81.3

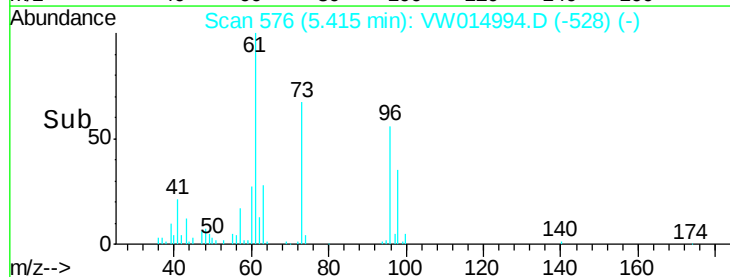
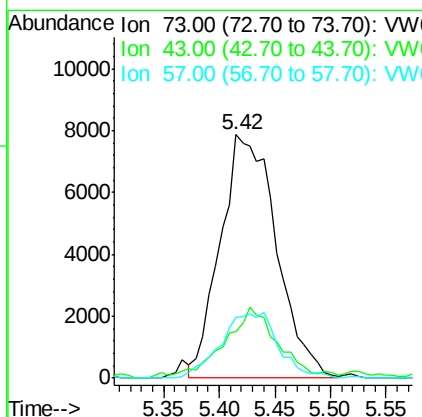
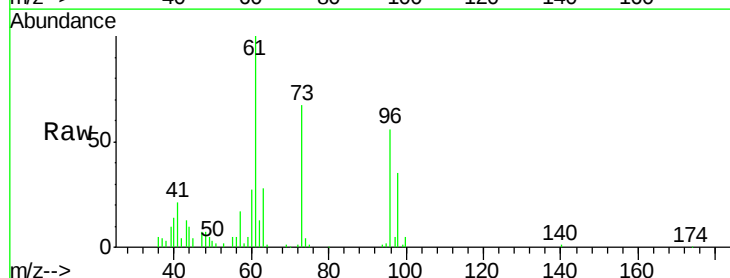
Manual Integrations
APPROVED

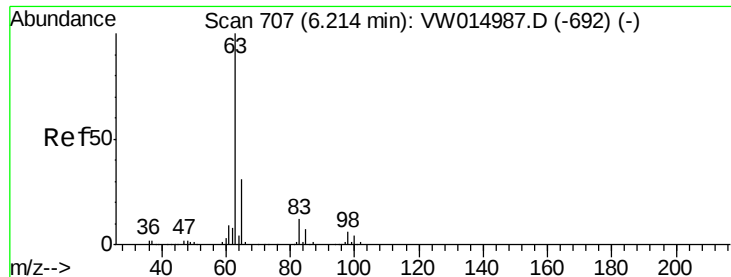
MMDadoda
2/17/2020 3:46:31 PM



#18
Methyl tert-butyl Ether
Concen: 1.860 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.7	19.6	29.4
57	17.8	21.0	31.4#





#19

1,1-Dichloroethane

Concen: 1.963 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

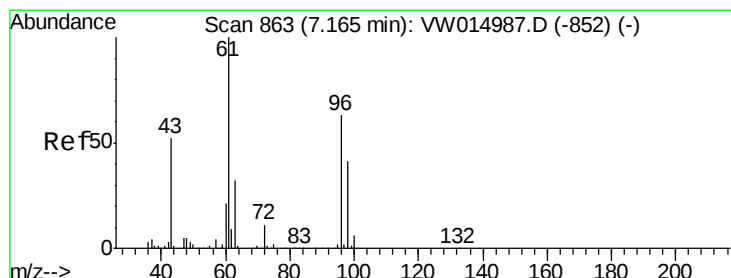
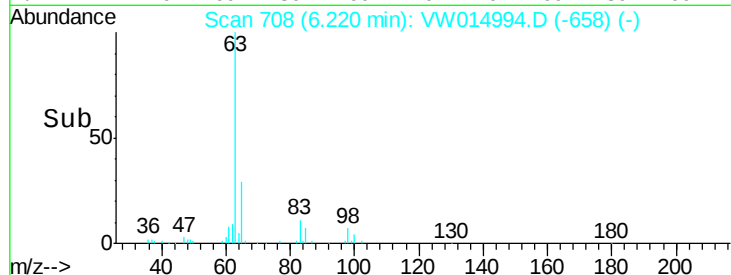
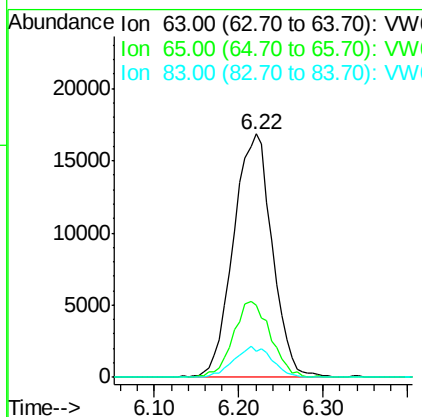
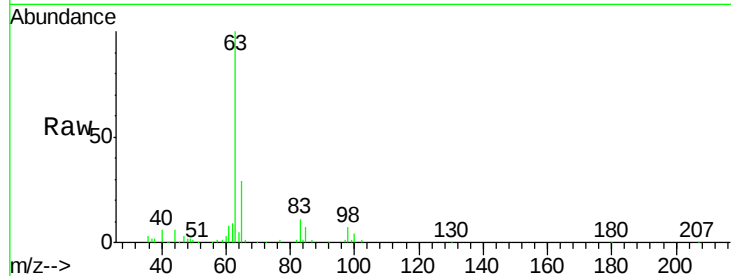
ClientSampleId :

MDL04

Tot Ion:	63	Resp:	52625
Ion	Ratio	Lower	Upper
63	100		
65	29.4	20.9	38.7
83	10.6	7.8	14.6

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM



#20

cis-1,2-Dichloroethene

Concen: 1.983 ug/L

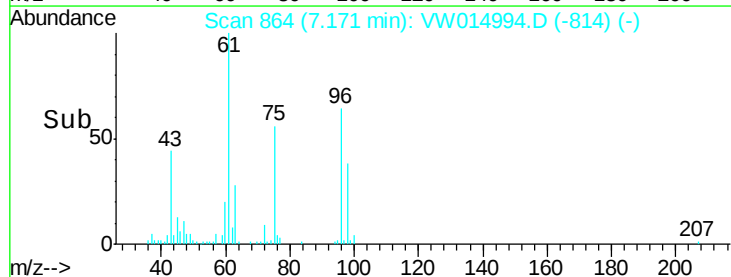
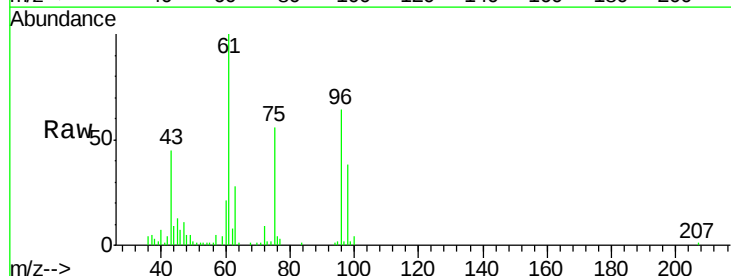
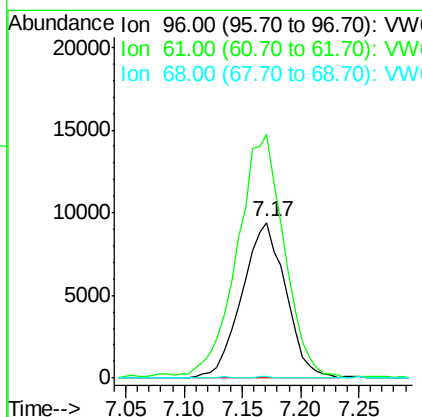
RT: 7.17 min Scan# 864

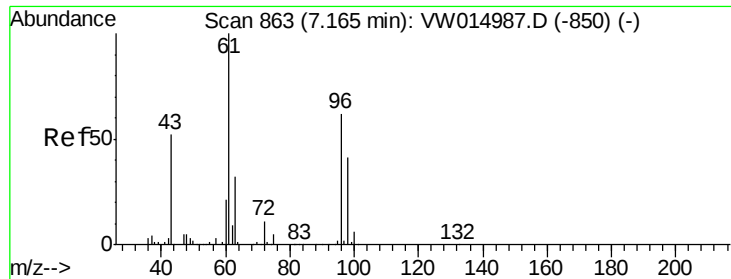
Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion:	96	Resp:	24529
Ion	Ratio	Lower	Upper
96	100		
61	156.6	111.5	207.1
68	1.0	0.0	0.0#





#22

2-Butanone

Concen: 3.289 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 18486

Ion Ratio Lower Upper

43 100

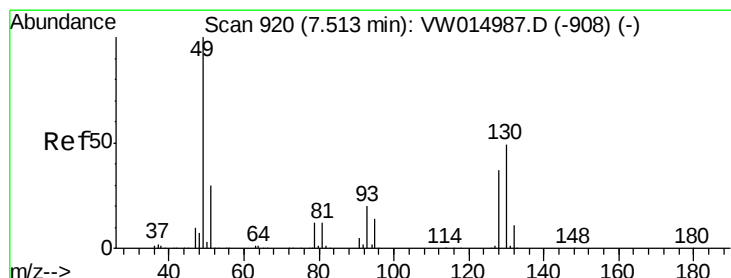
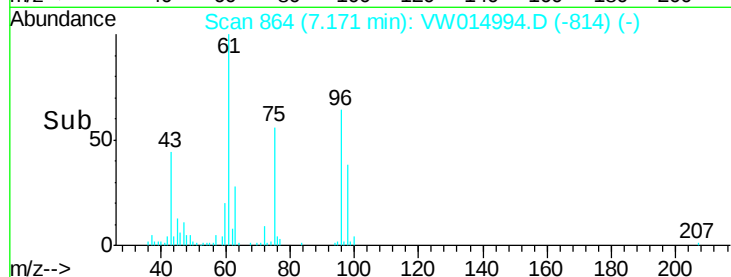
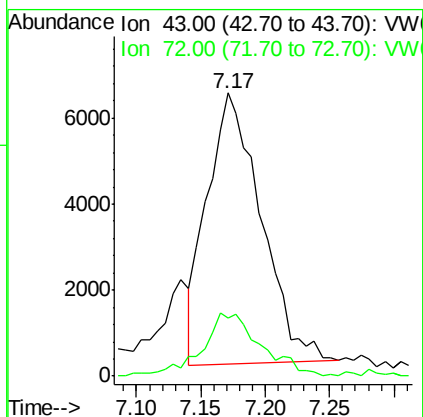
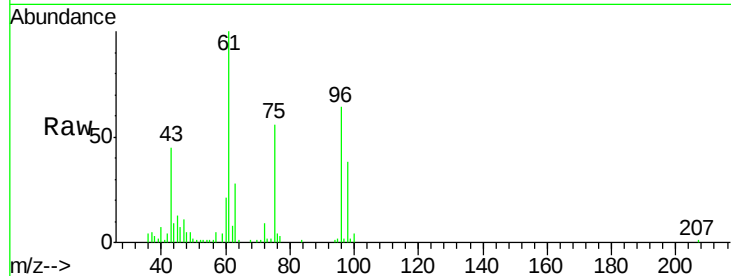
72 20.5 11.1 33.1

Manual Integrations

APPROVED

MMDadoda

2/17/2020 3:46:31 PM



#23

Bromochloromethane

Concen: 1.990 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion: 128 Resp: 9982

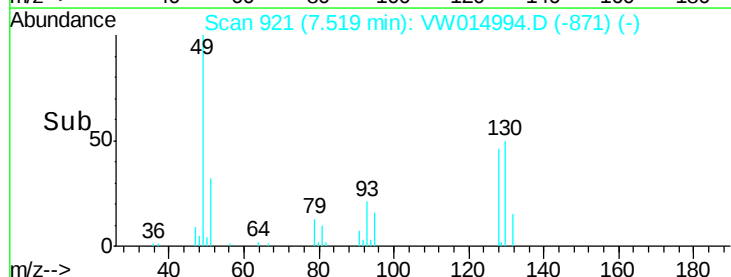
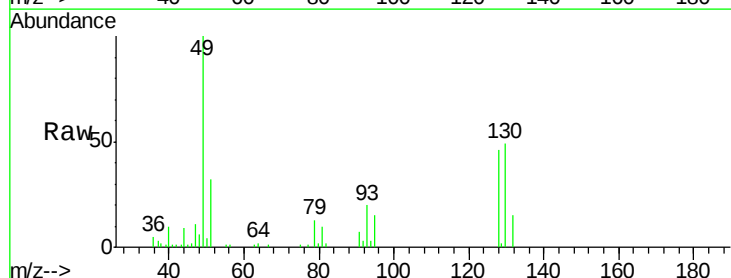
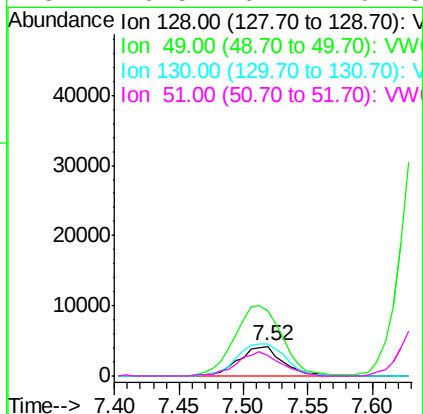
Ion Ratio Lower Upper

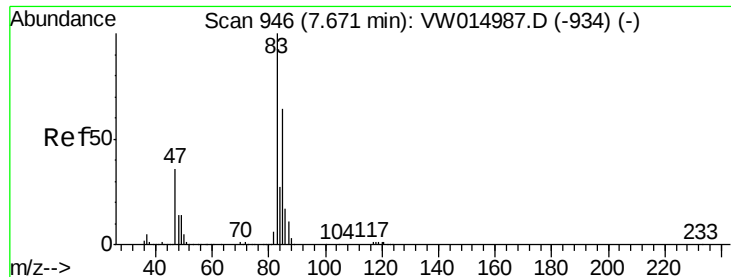
128 100

49 217.9 179.0 332.4

130 107.5 85.5 158.7

51 70.5 61.7 92.5





#25

Chloroform

Concen: 2.158 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 83 Resp: 51549

Ion Ratio Lower Upper

83 100

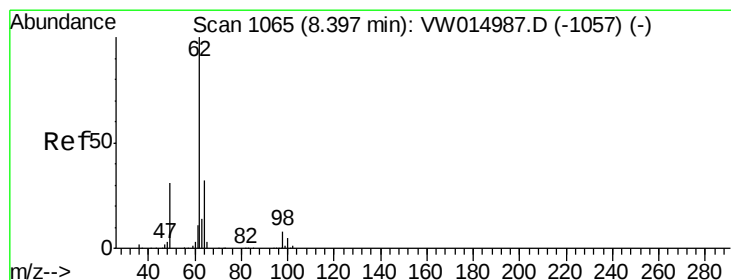
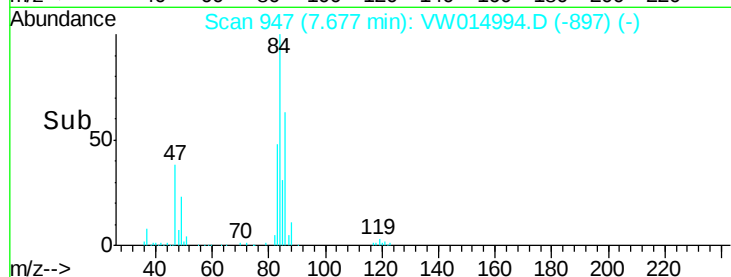
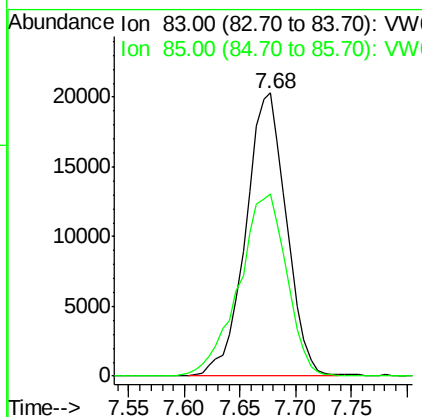
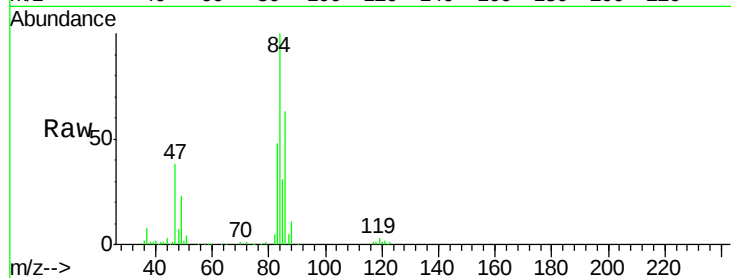
85 64.4 45.1 83.7

Manual Integrations

APPROVED

MMDadoda

2/17/2020 3:46:31 PM



#27

1,2-Dichloroethane

Concen: 1.956 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014994.D

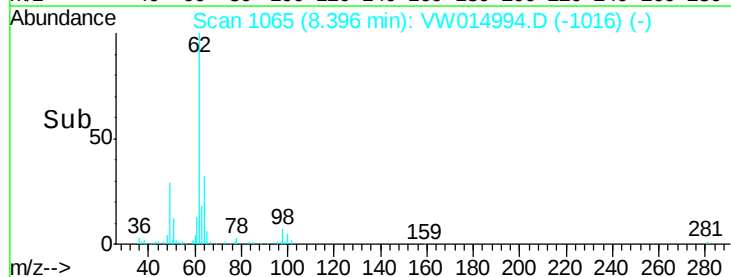
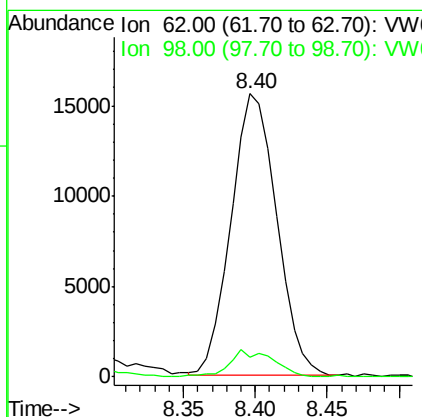
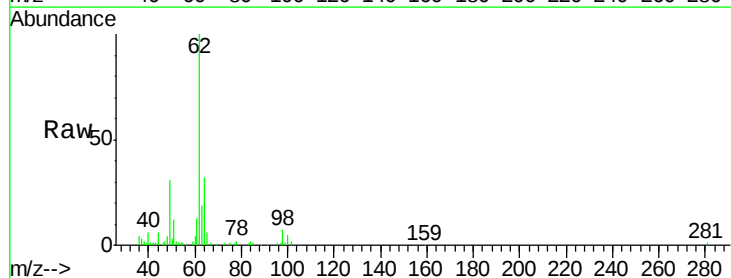
Acq: 14 Feb 2020 13:44

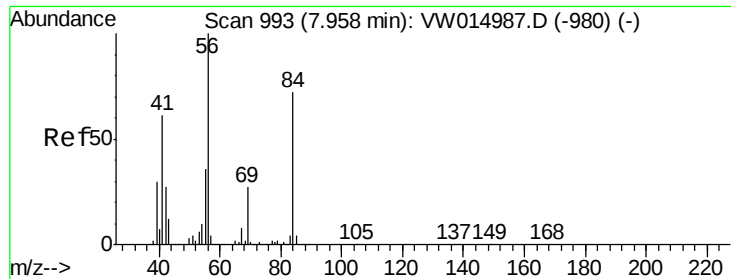
Tgt Ion: 62 Resp: 34331

Ion Ratio Lower Upper

62 100

98 7.0 6.2 9.4





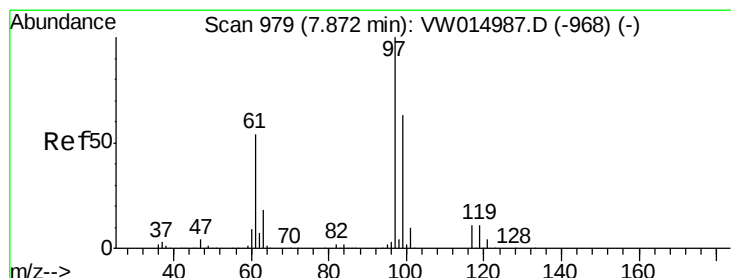
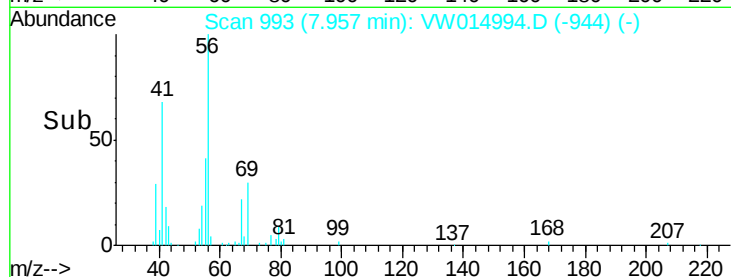
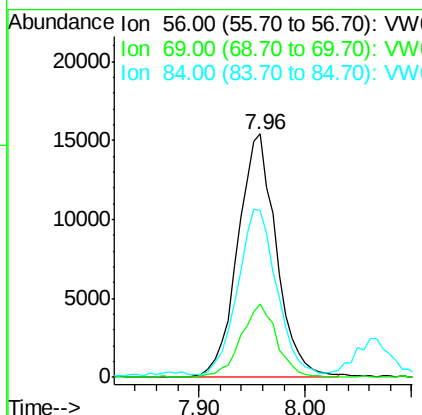
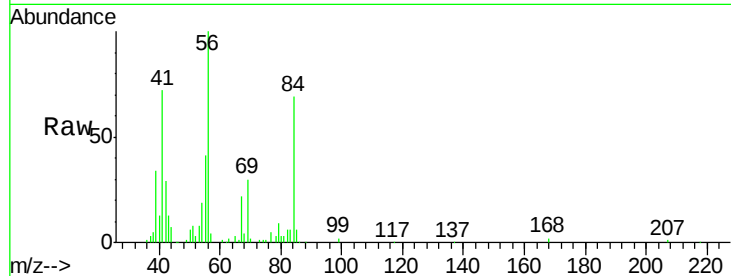
#29
Cyclohexane
Concen: 1.622 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.0	33.0
84	70.3	57.8	86.6

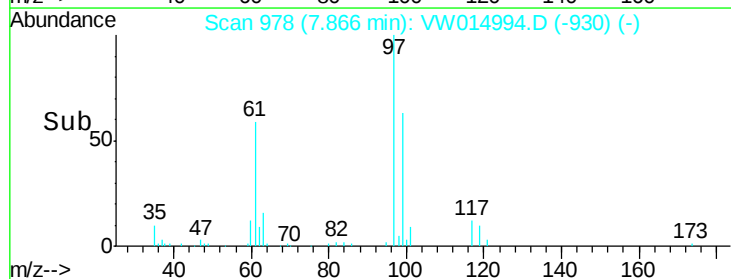
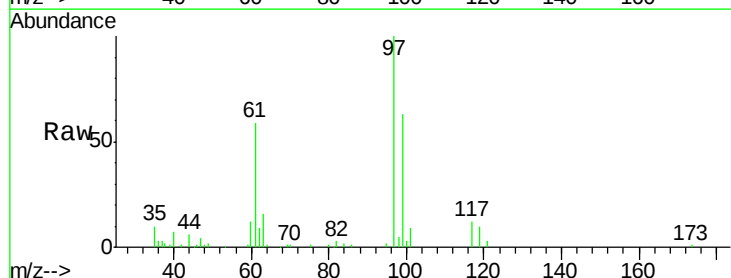
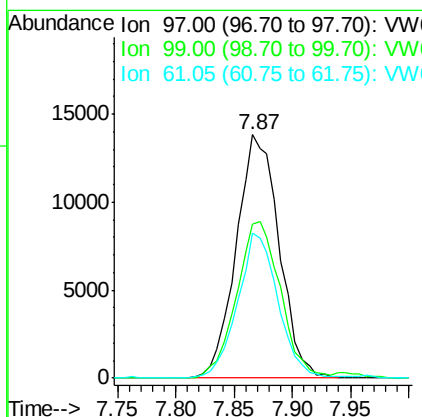
Manual Integrations
APPROVED

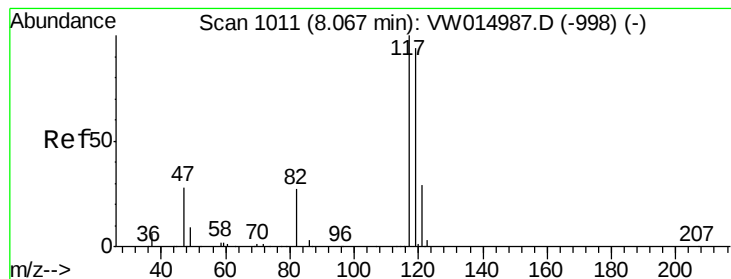
MMDadoda
2/17/2020 3:46:31 PM



#30
1,1,1-Trichloroethane
Concen: 1.965 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	50.6	75.8
61	56.4	42.7	64.1





#31

Carbon tetrachloride

Concen: 1.950 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion:117 Resp: 31736

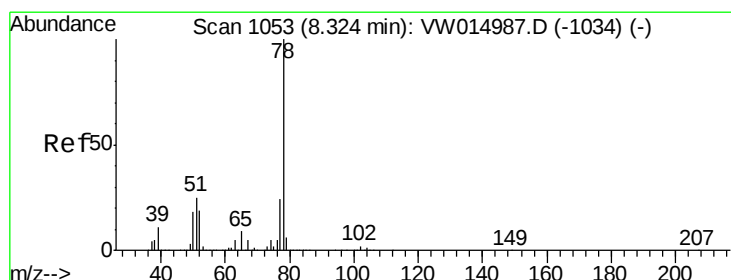
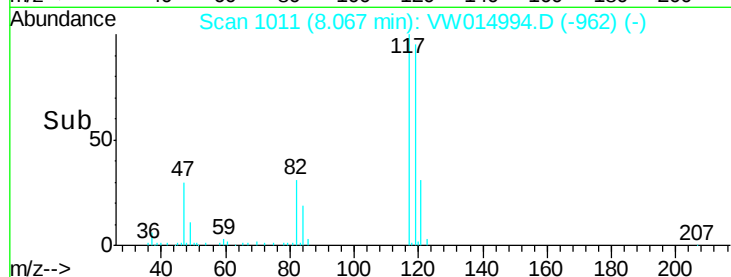
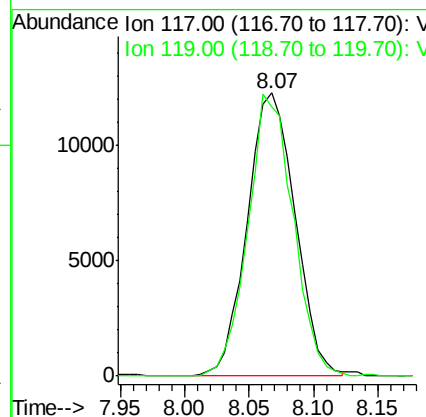
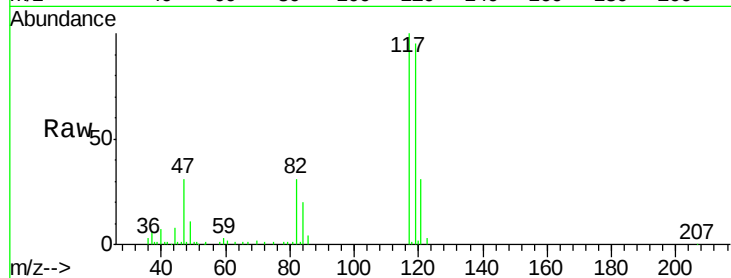
Ion Ratio Lower Upper

117 100

119 93.6 76.6 114.8

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM



#33

Benzene

Concen: 2.032 ug/L

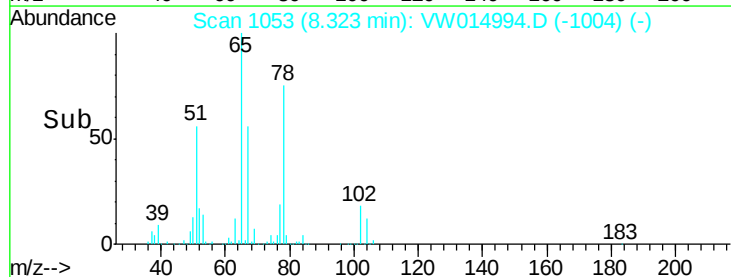
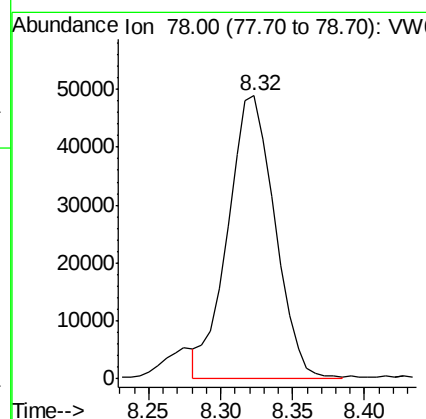
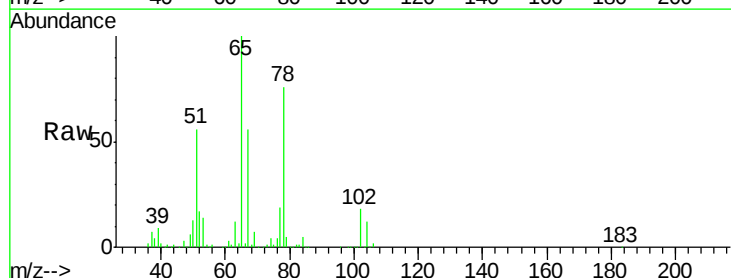
RT: 8.32 min Scan# 1053

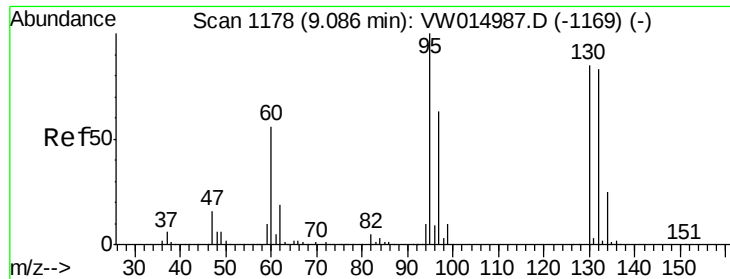
Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion: 78 Resp: 110739





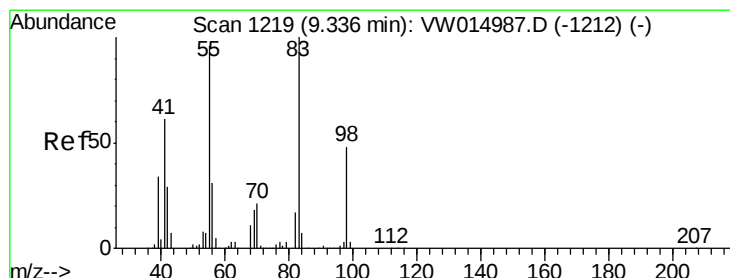
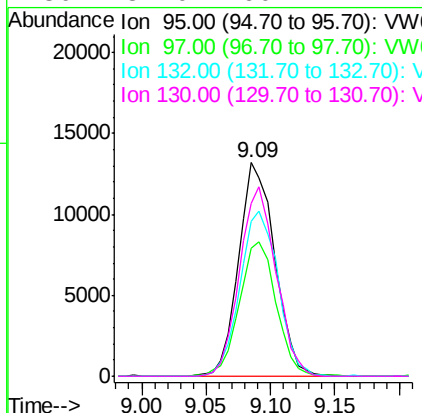
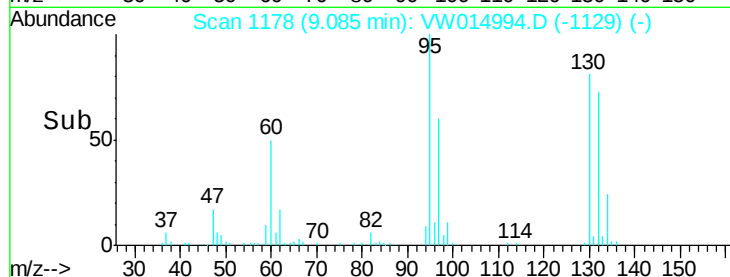
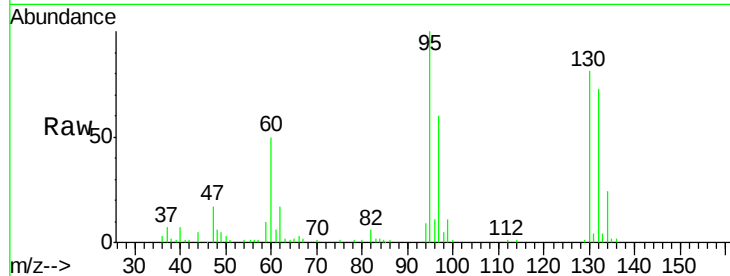
#34
 Trichloroethene
 Concen: 1.976 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		25796		
97	60.1		44.2	82.0	
132	72.6		56.1	104.3	
130	81.0		60.1	111.7	

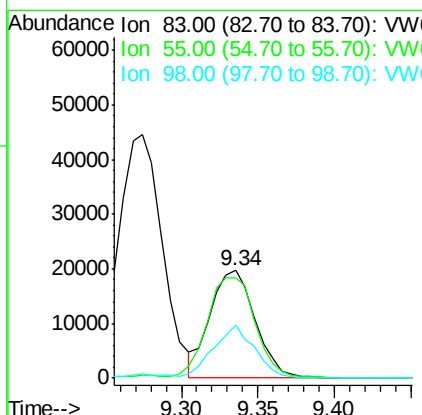
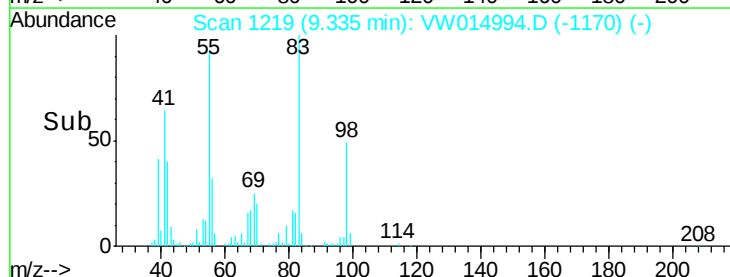
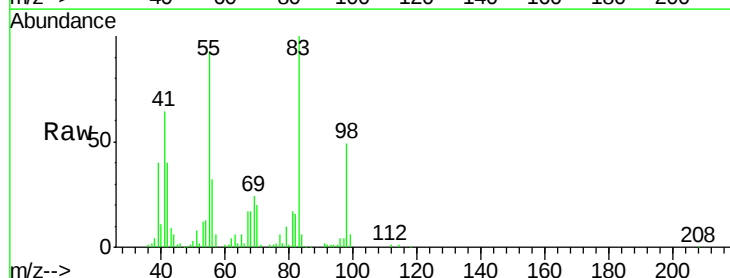
Manual Integrations
 APPROVED

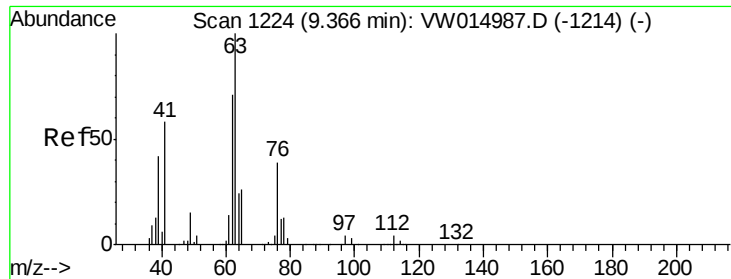
MMDadoda
 2/17/2020 3:46:31 PM



#35
 Methylcyclohexane
 Concen: 1.770 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		39844		
55	101.8		76.3	114.5	
98	44.6		36.4	54.6	





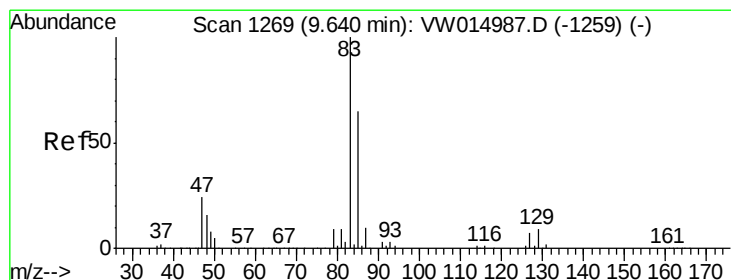
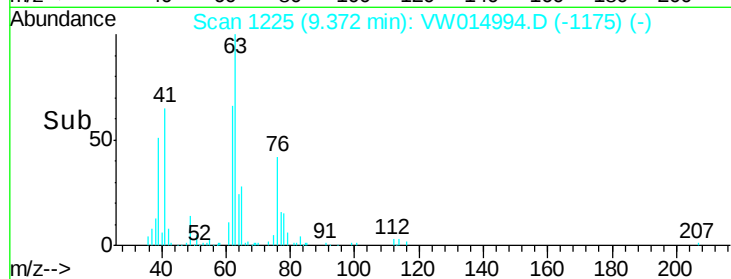
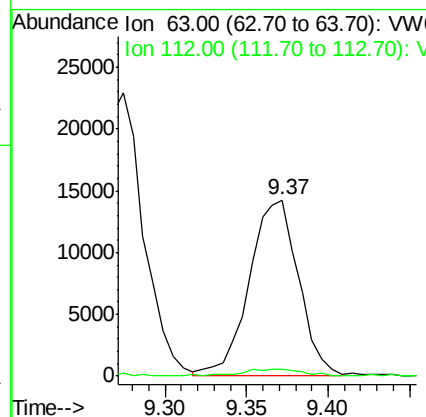
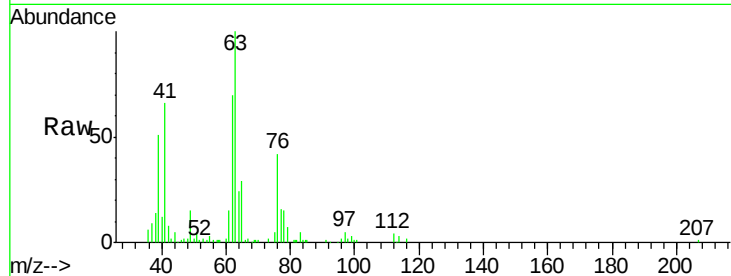
#37
 1,2-Dichloropropane
 Concen: 1.969 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion	63	Resp	29973
Ion Ratio	100	Lower	Upper
63	100		
112	3.0	2.6	4.0

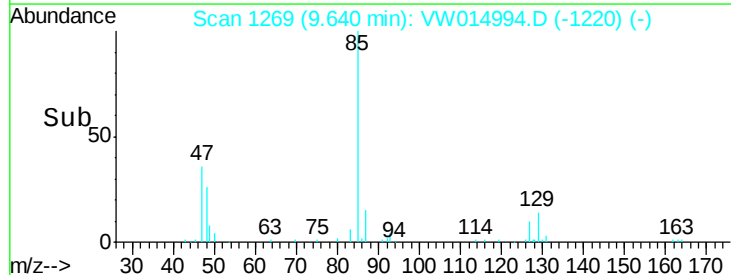
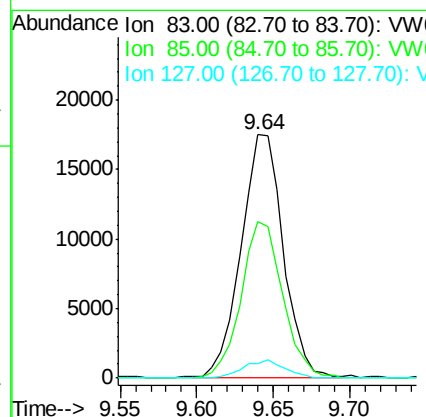
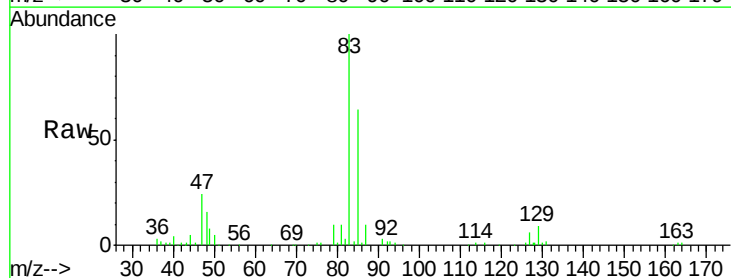
Manual Integrations
 APPROVED

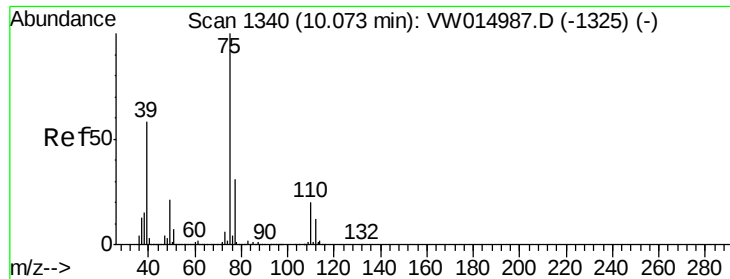
MMDadoda
 2/17/2020 3:46:31 PM



#38
 Bromodichloromethane
 Concen: 1.963 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion	83	Resp	33644
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	45.2	84.0
127	6.2	5.5	8.3





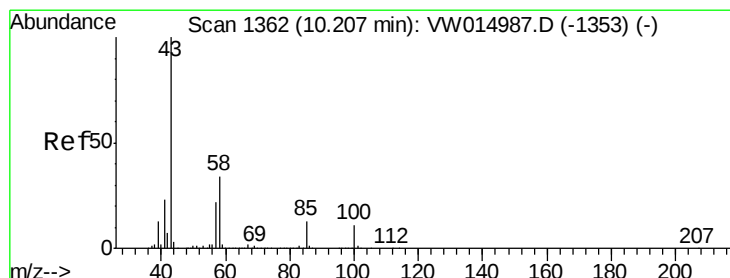
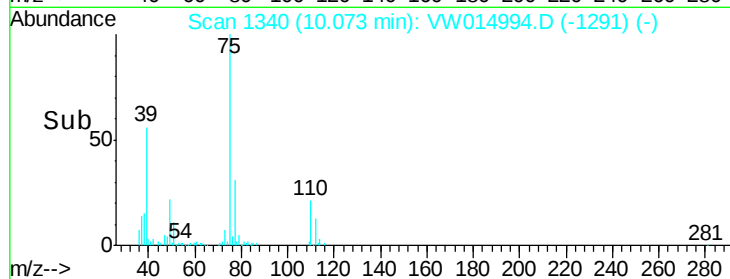
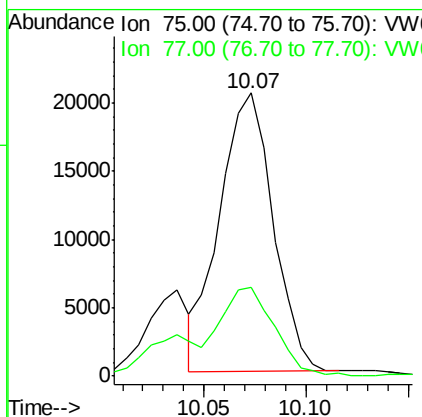
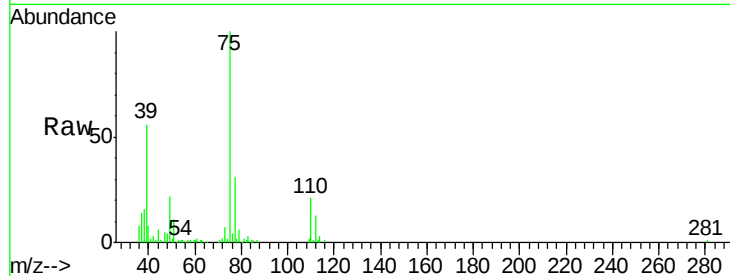
#39
 cis-1,3-Dichloropropene
 Concen: 1.822 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 37112
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.6 40.2

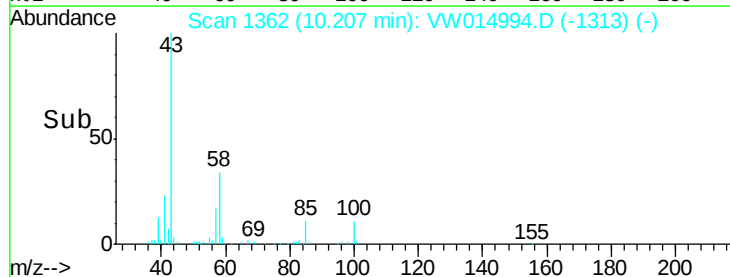
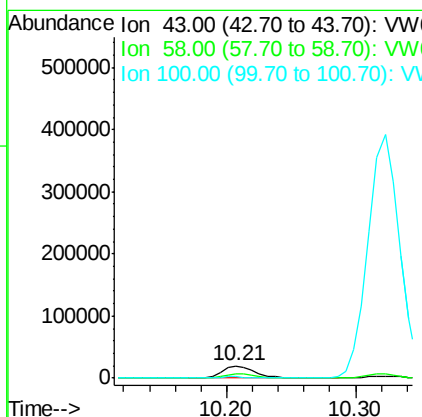
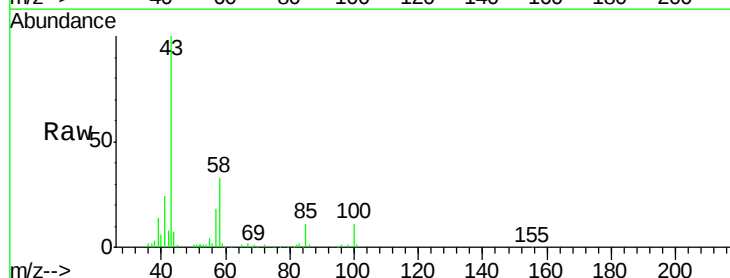
Manual Integrations
 APPROVED

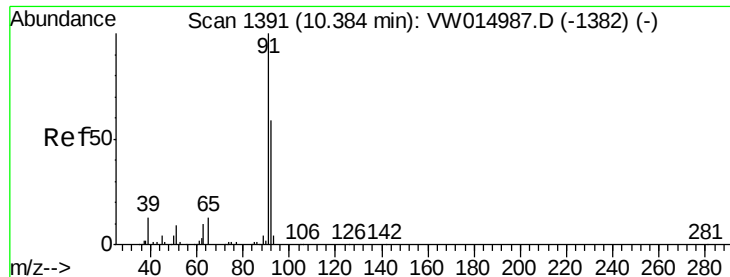
MMDadoda
 2/17/2020 3:46:31 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.226 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion: 43 Resp: 34960
 Ion Ratio Lower Upper
 43 100
 58 35.6 27.7 41.5
 100 11.1 8.6 13.0





#42

Toluene

Concen: 2.052 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion: 91 Resp: 108086

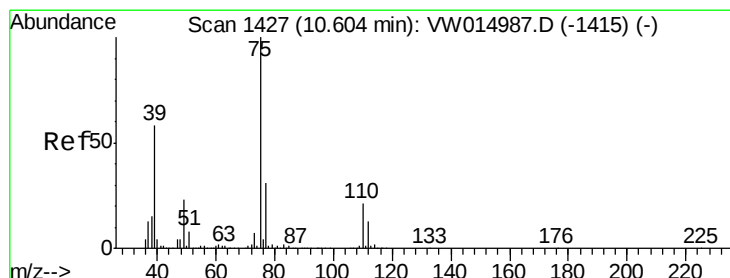
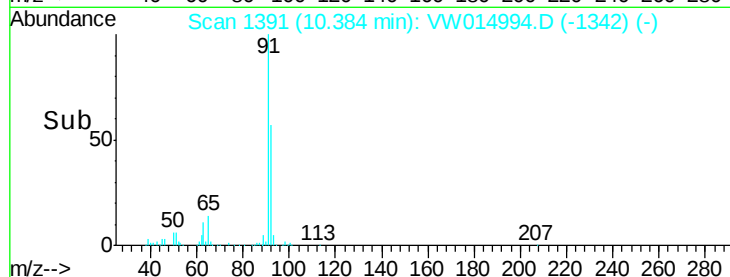
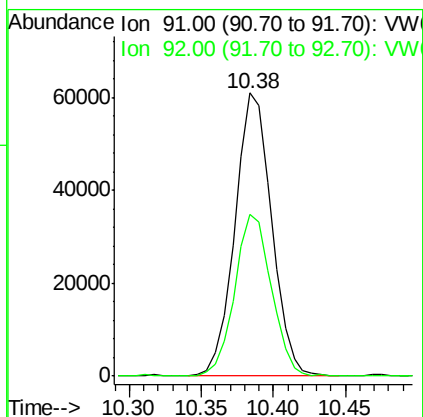
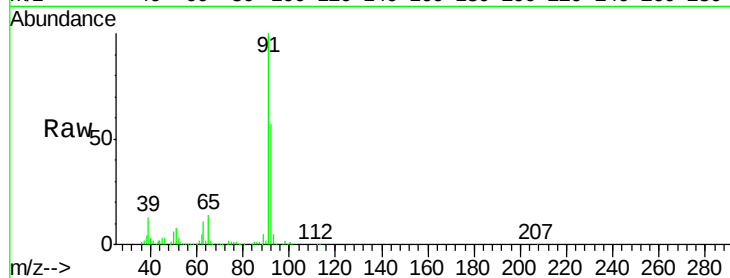
Ion Ratio Lower Upper

91 100

92 57.1 39.5 73.3

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM



#44

trans-1,3-Dichloropropene

Concen: 1.794 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014994.D

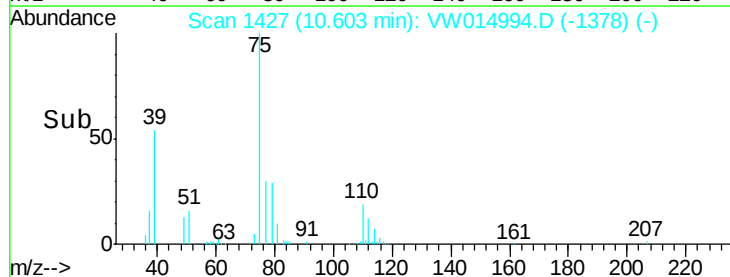
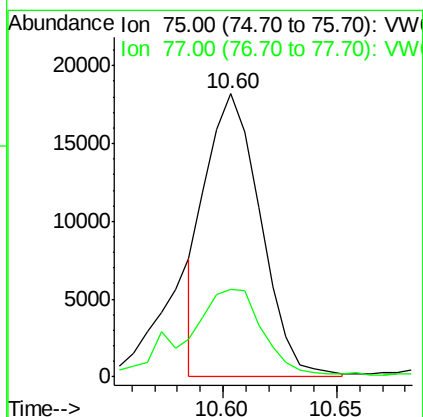
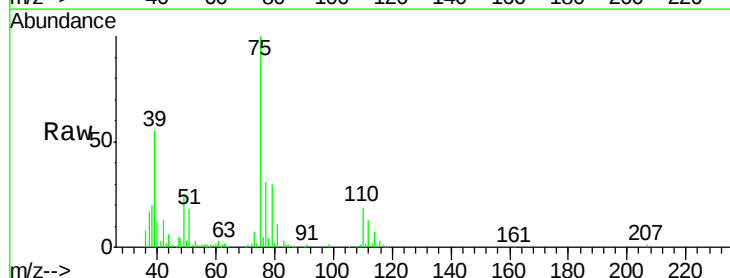
Acq: 14 Feb 2020 13:44

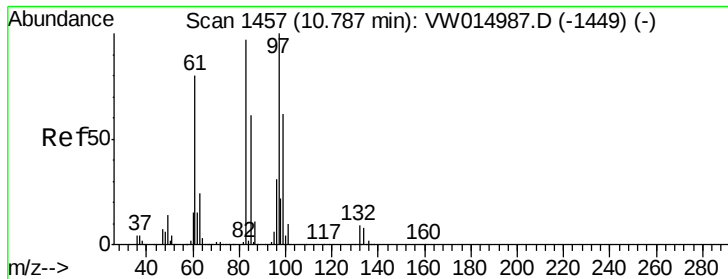
Tgt Ion: 75 Resp: 30320

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1





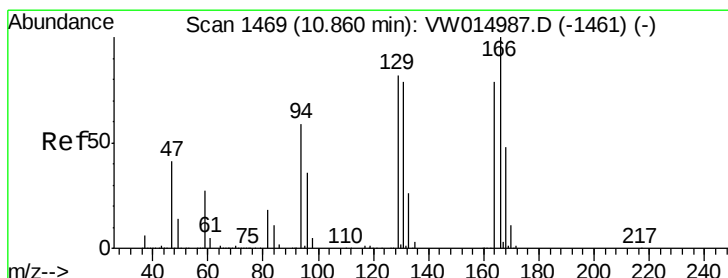
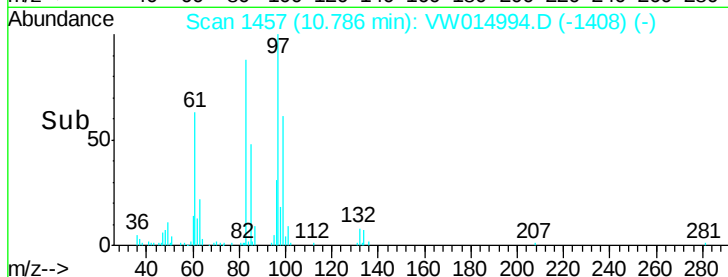
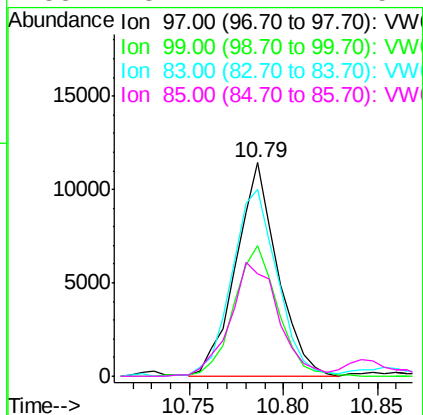
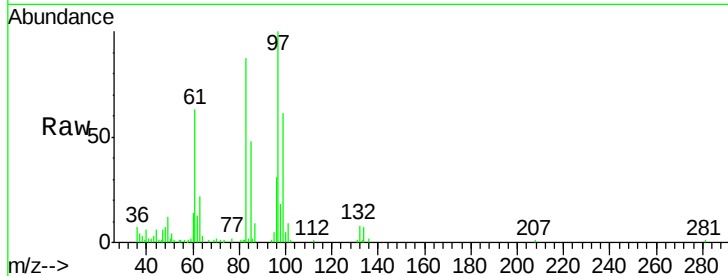
#45
 1,1,2-Trichloroethane
 Concen: 1.891 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion:	97	Resp:	17463
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.2	82.0
83	87.3	64.1	119.1
85	48.1	42.1	78.1

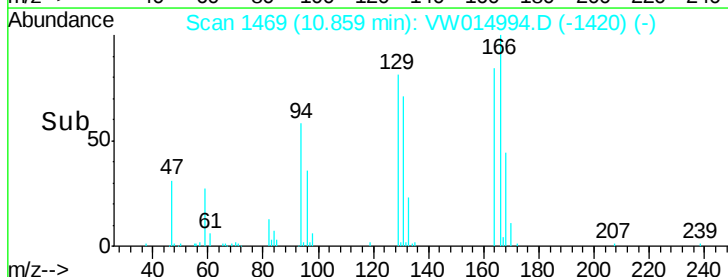
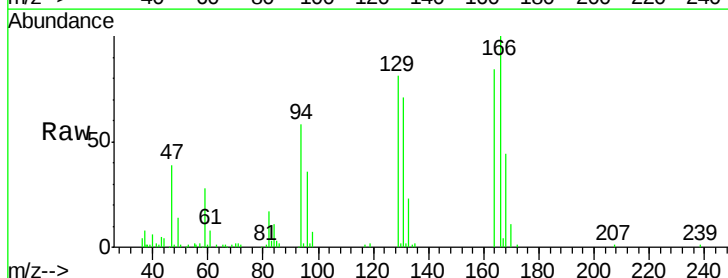
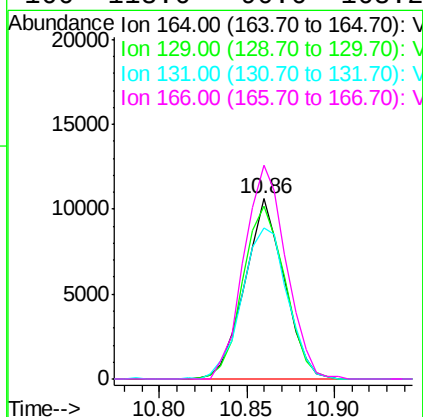
Manual Integrations
 APPROVED

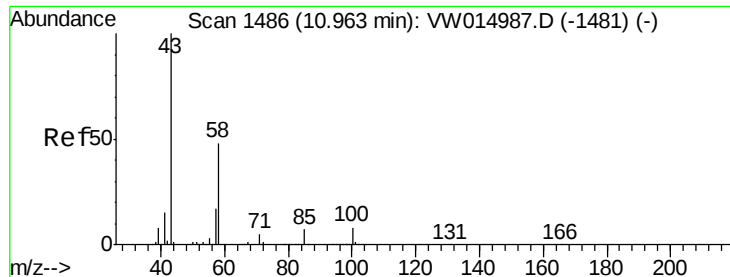
MMDadoda
 2/17/2020 3:46:31 PM



#46
 Tetrachloroethene
 Concen: 1.978 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion:	164	Resp:	16765
Ion	Ratio	Lower	Upper
164	100		
129	95.7	72.2	134.2
131	84.1	68.1	126.5
166	118.6	90.6	168.2





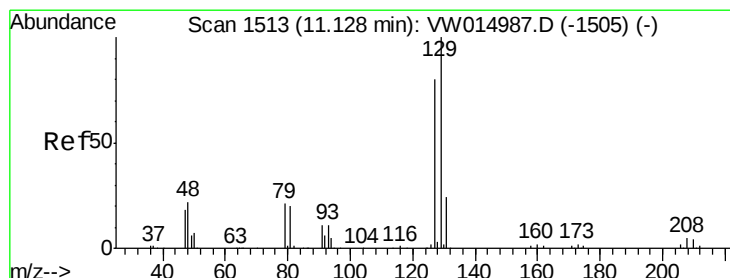
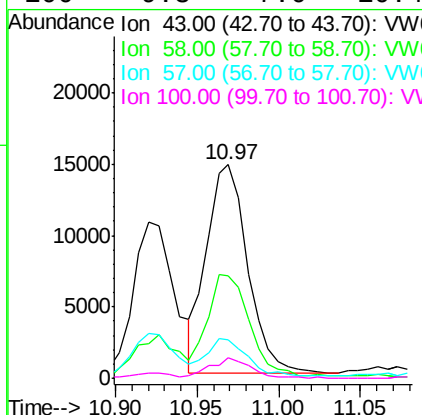
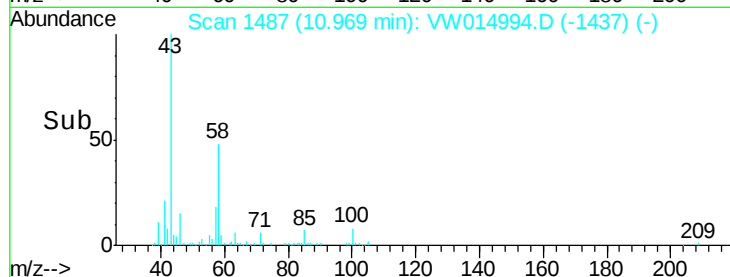
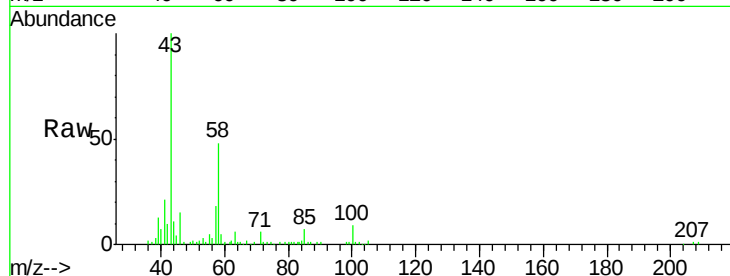
#48
2-Hexanone
Concen: 3.248 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	39.2	58.8
57	15.3	13.1	19.7
100	9.3	7.0	10.4

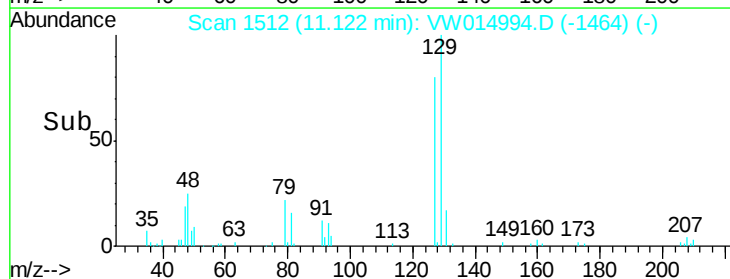
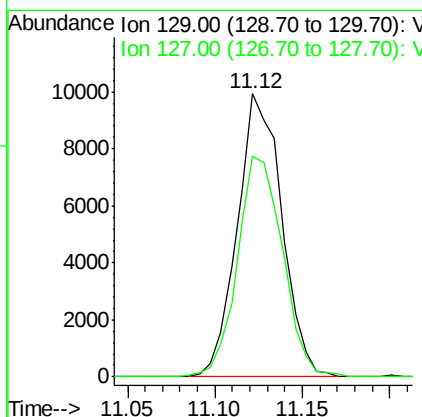
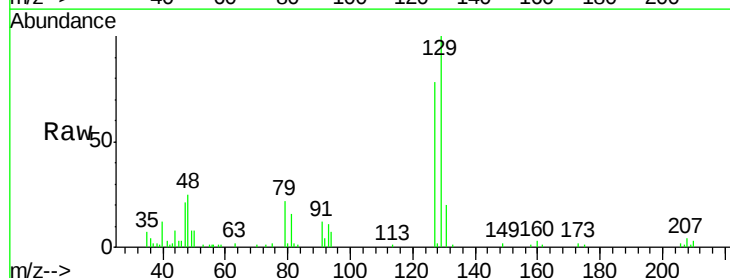
Manual Integrations
APPROVED

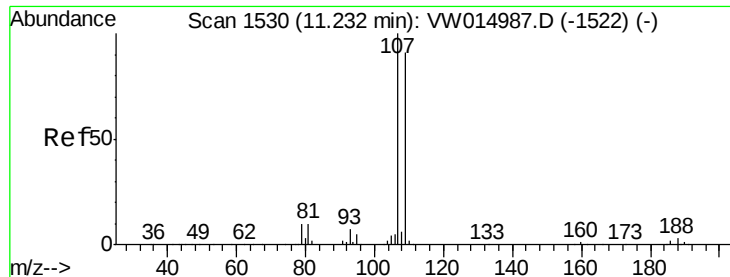
MMDadoda
2/17/2020 3:46:31 PM



#49
Dibromochloromethane
Concen: 1.827 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.2	53.0	98.4





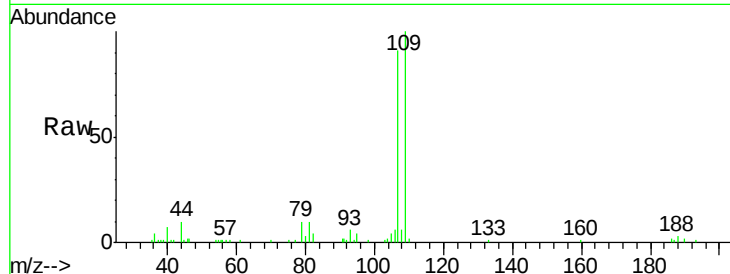
#50
1,2-Dibromoethane
Concen: 1.850 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	109.9	65.1	120.9
188	3.3	2.4	3.6

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM

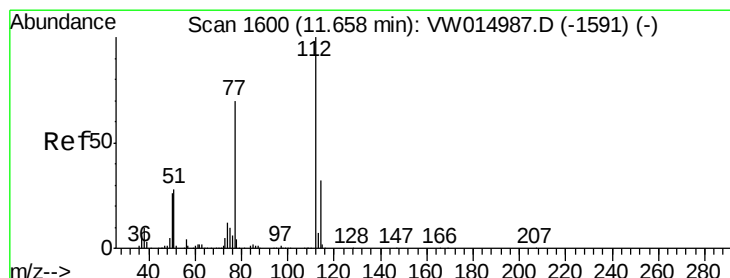
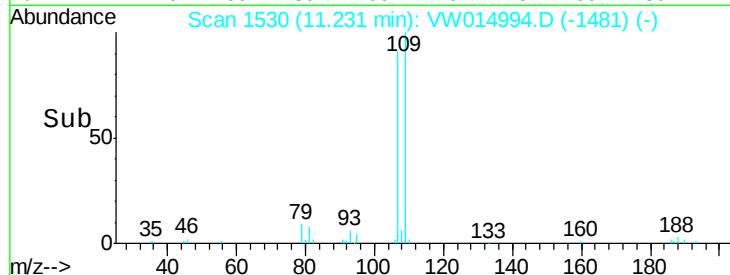
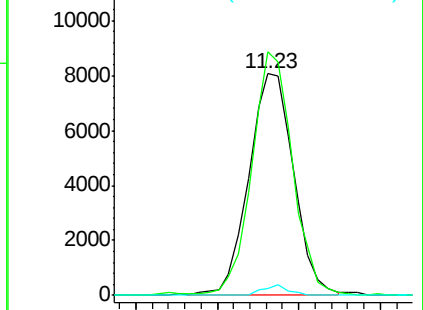


Abundance

Ion 107.00 (106.70 to 107.70): V

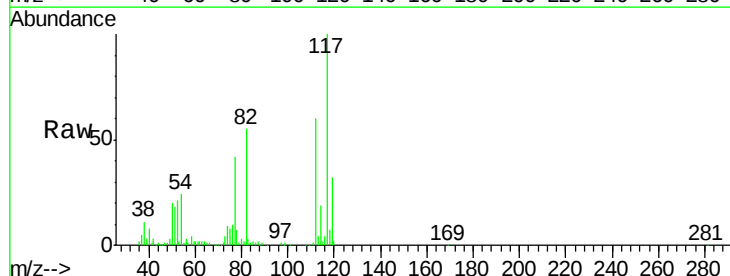
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 1.974 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.6	42.0
77	70.5	54.6	82.0

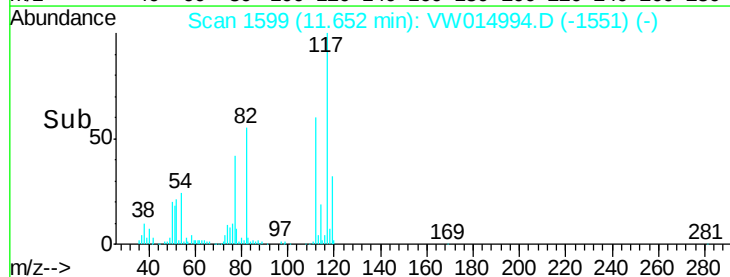
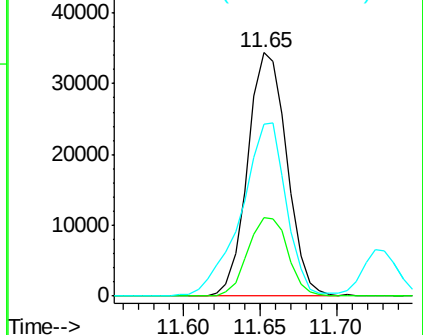


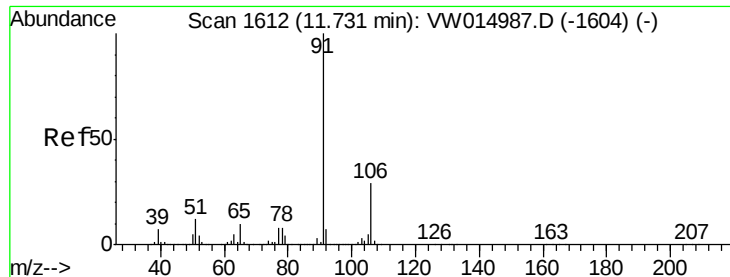
Abundance

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





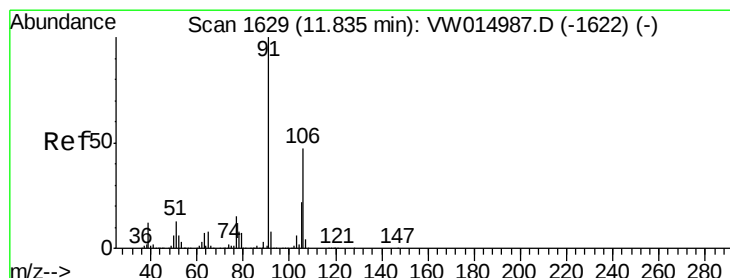
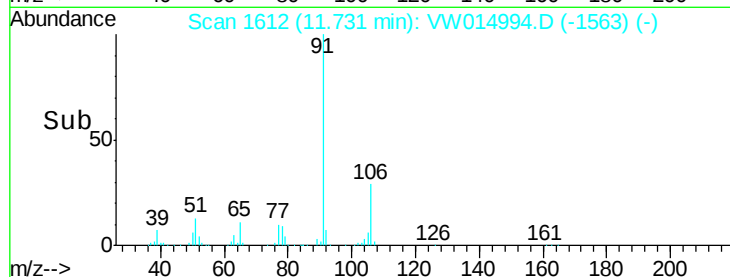
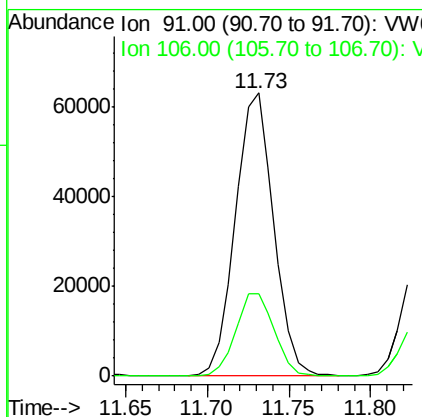
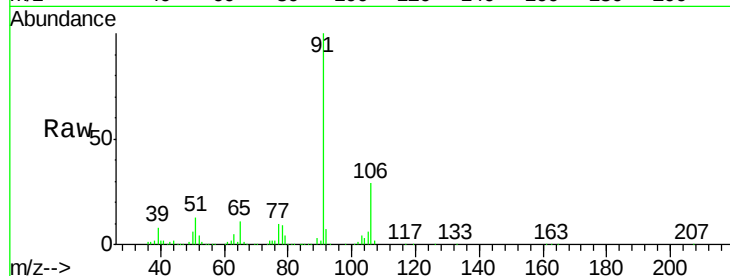
#52
Ethylbenzene
Concen: 1.797 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion: 91 Resp: 103080
Ion Ratio Lower Upper
91 100
106 29.2 20.2 37.4

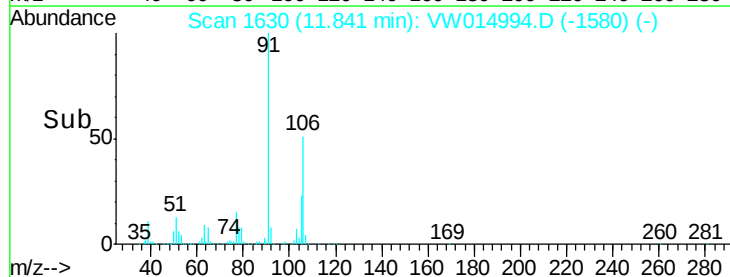
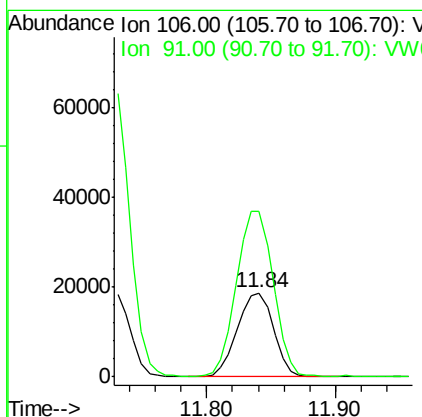
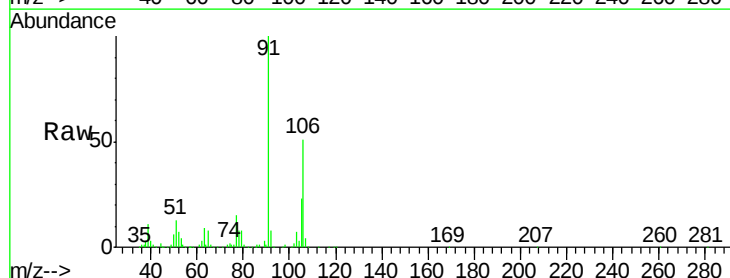
Manual Integrations
APPROVED

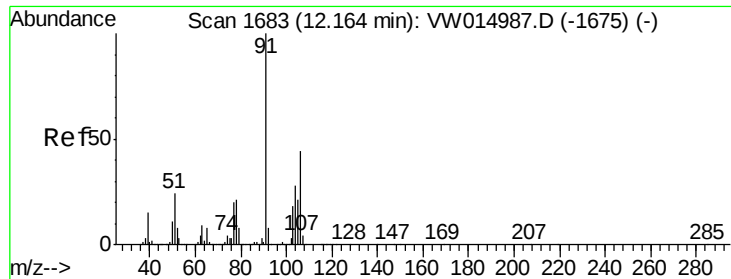
MMDadoda
2/17/2020 3:46:31 PM



#53
m,p-Xylene
Concen: 1.819 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion: 106 Resp: 36623
Ion Ratio Lower Upper
106 100
91 196.8 149.2 277.2





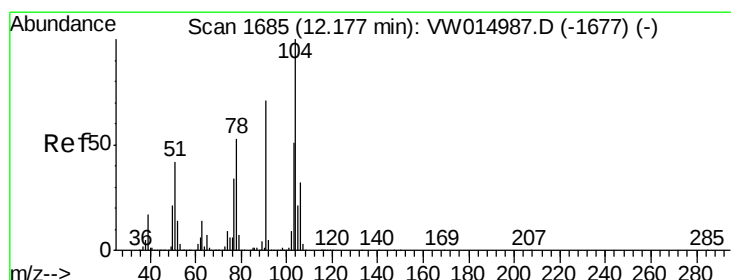
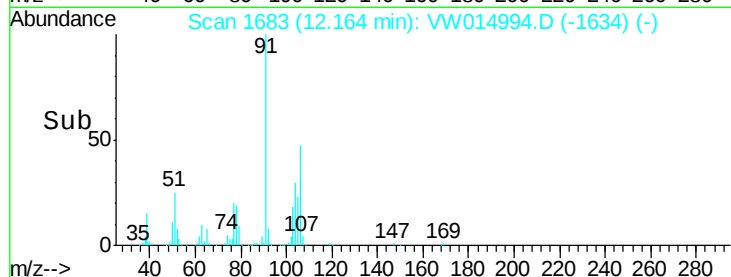
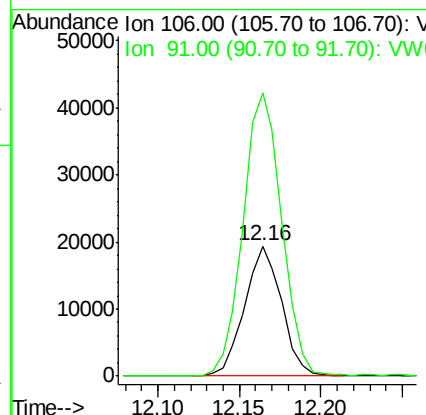
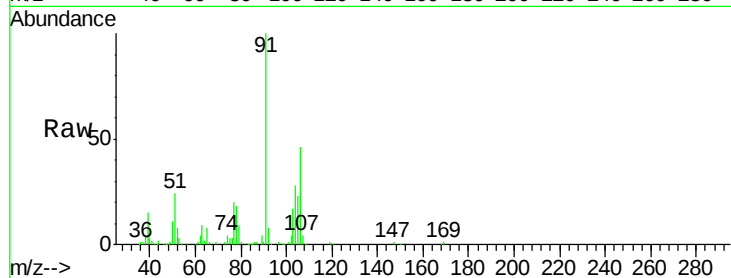
#54
o-Xylene
Concen: 1.618 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion:106 Resp: 30586
Ion Ratio Lower Upper
106 100
91 217.3 163.7 304.1

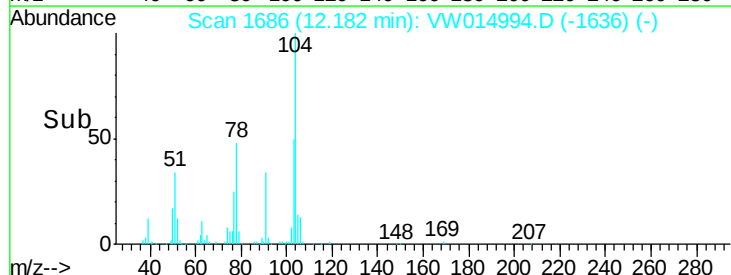
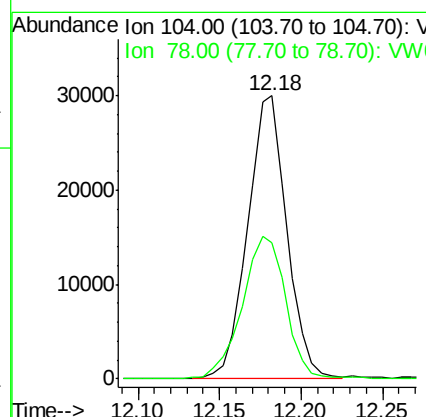
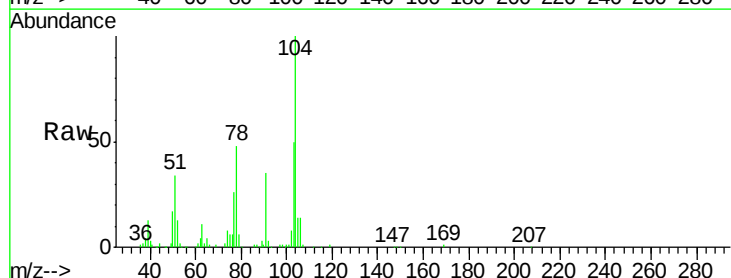
Manual Integrations
APPROVED

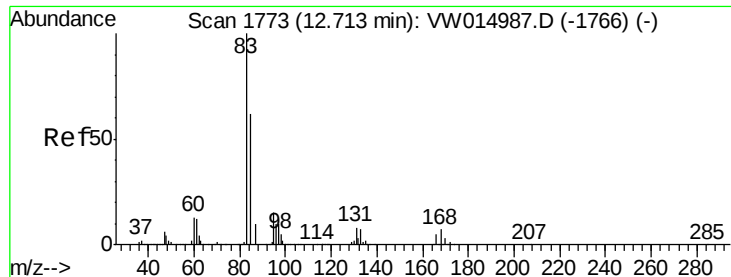
MMDadoda
2/17/2020 3:46:31 PM



#55
Styrene
Concen: 1.540 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion:104 Resp: 50197
Ion Ratio Lower Upper
104 100
78 48.0 36.8 68.4





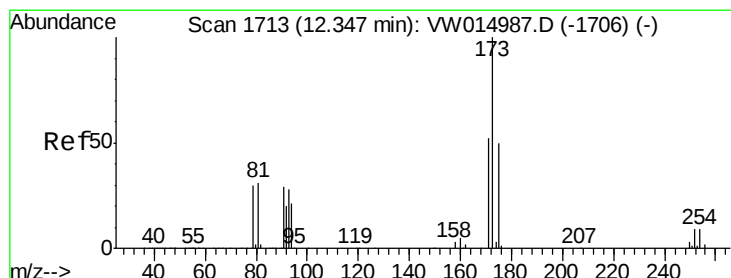
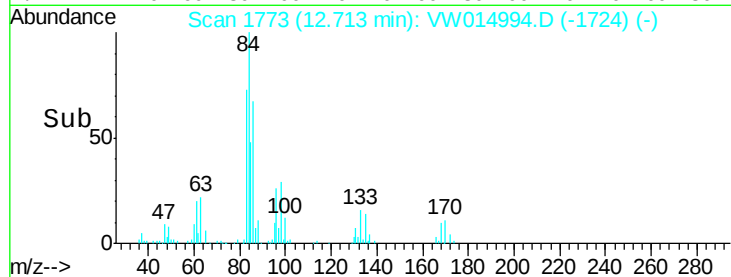
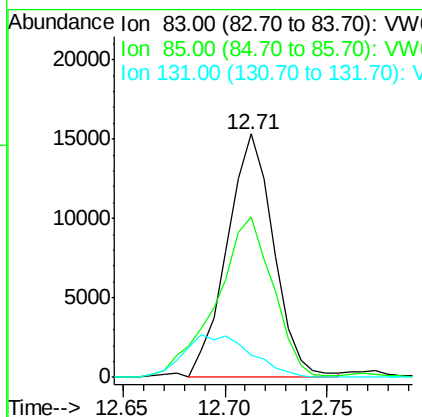
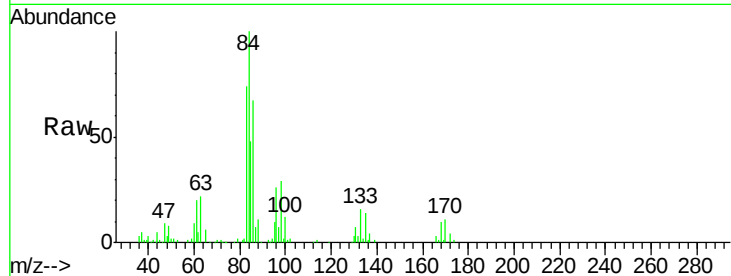
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.968 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.7	44.9	83.5
131	9.0	6.2	9.2

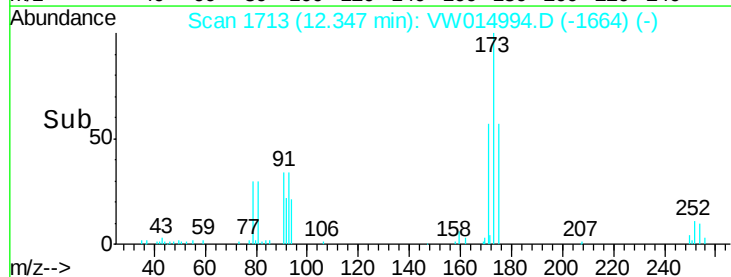
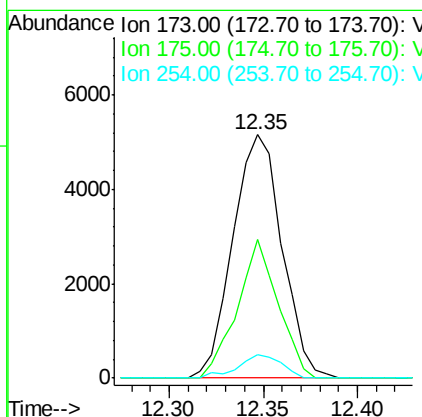
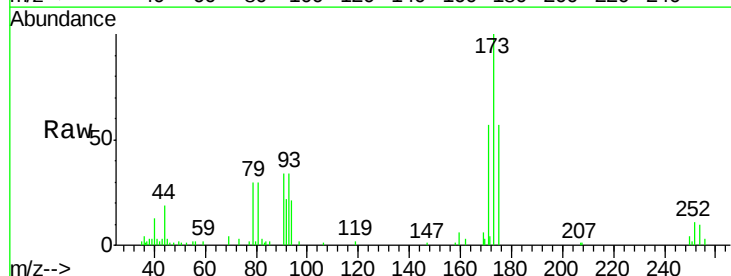
Manual Integrations
 APPROVED

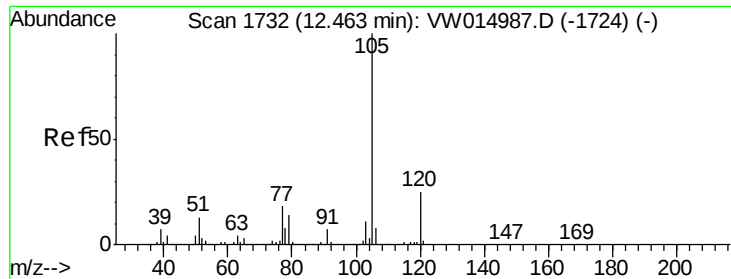
MMDadoda
 2/17/2020 3:46:31 PM



#59
 Bromoform
 Concen: 2.012 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	39.0	58.4
254	8.5	7.1	10.7





#60

Isopropylbenzene

Concen: 1.712 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

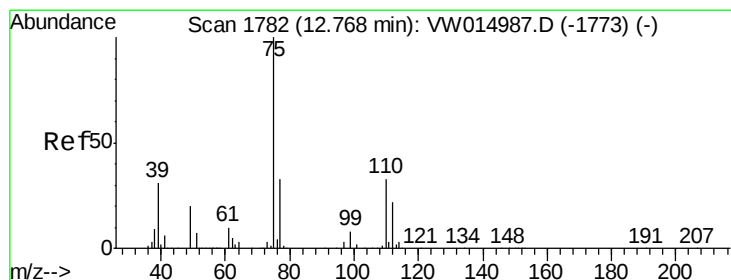
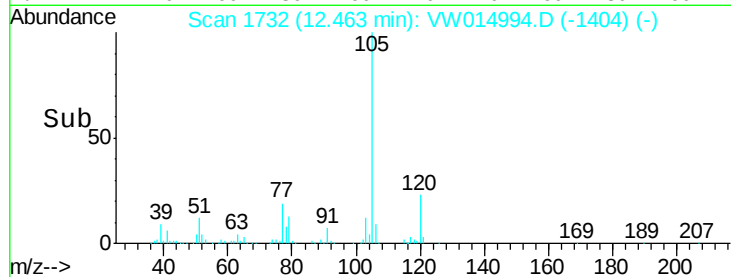
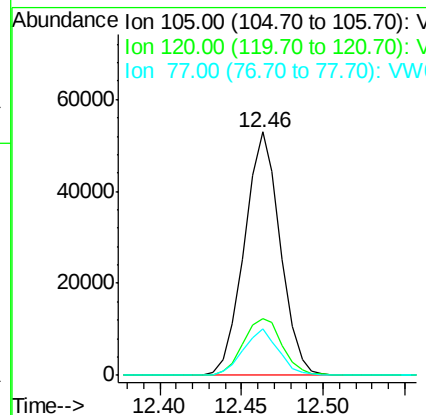
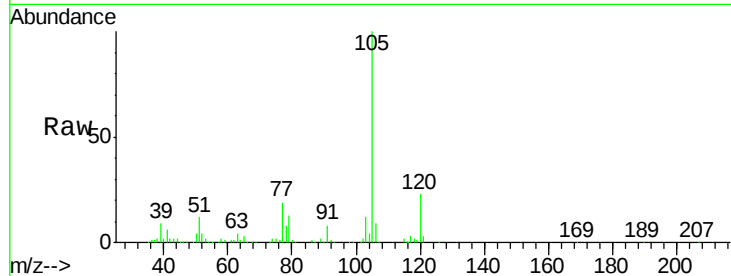
ClientSampled :

MDL04

Tot Ion:	105	Resp:	81170
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.1	30.1
77	18.8	14.4	21.6

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM



#61

1,2,3-Trichloropropane

Concen: 2.036 ug/L

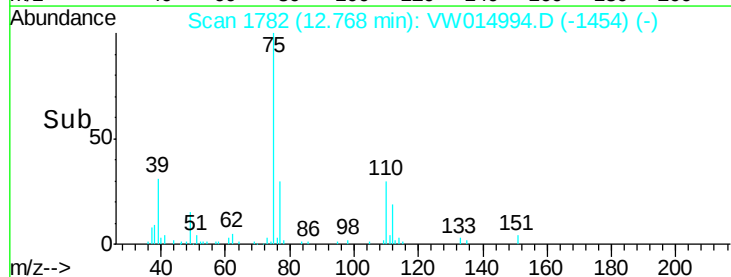
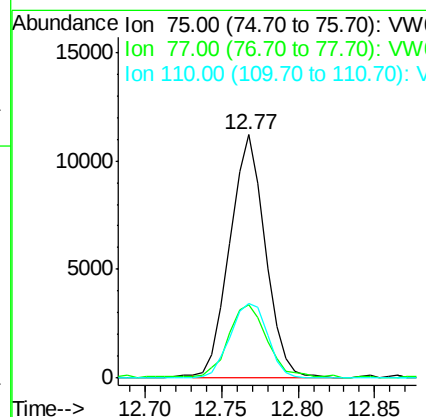
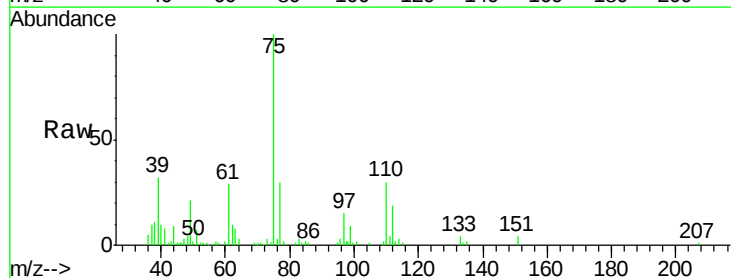
RT: 12.77 min Scan# 1782

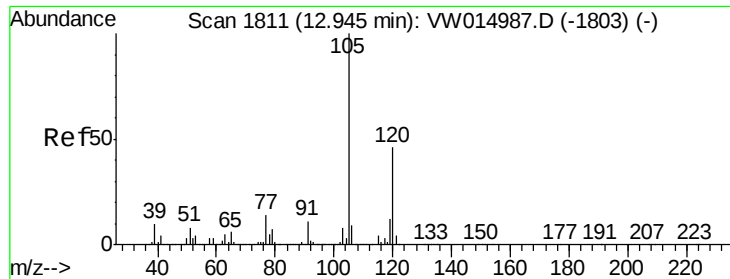
Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion:	75	Resp:	18074
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.8	38.6
110	32.3	26.6	39.8





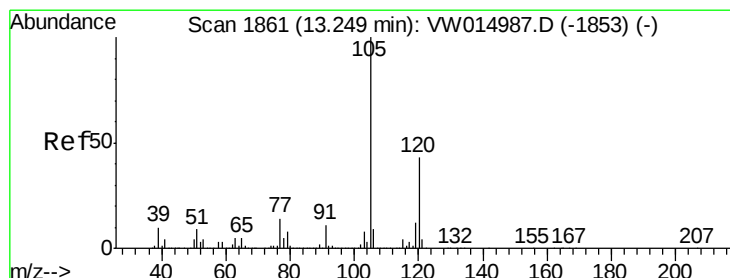
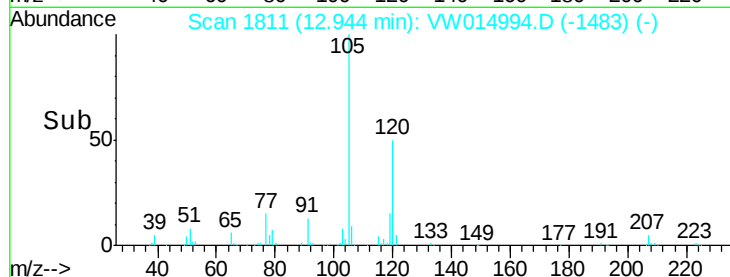
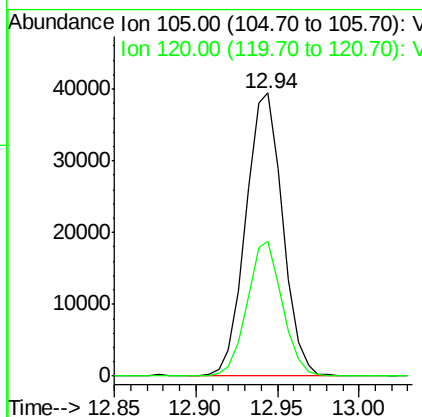
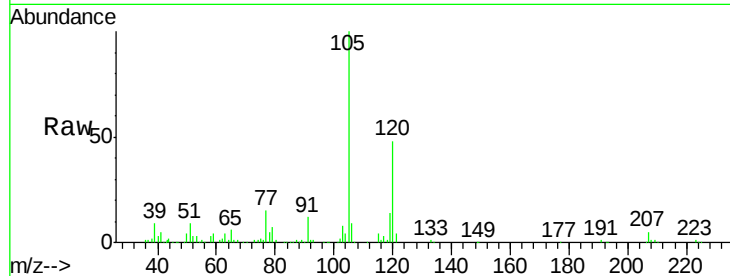
#62
 1,3,5-Trimethylbenzene
 Concen: 1.639 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion:105 Resp: 61965
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.4 56.0

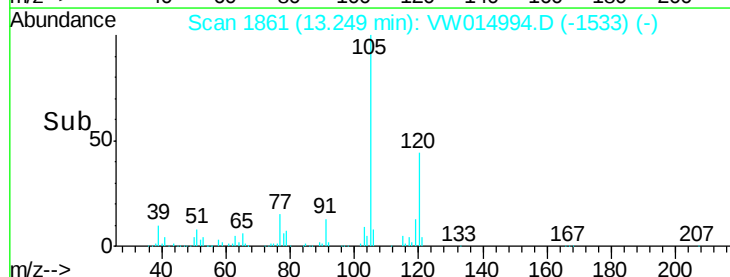
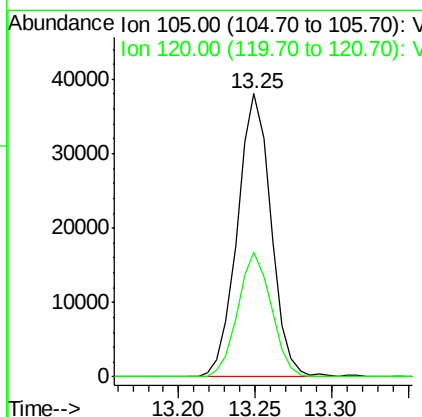
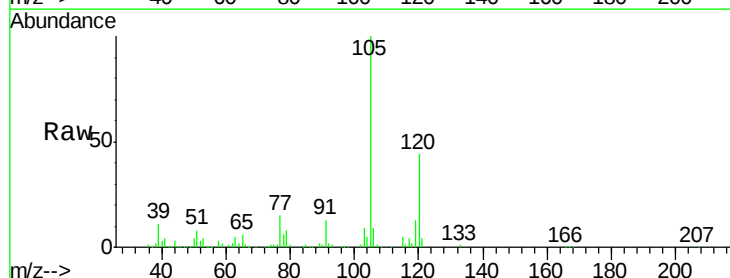
Manual Integrations
 APPROVED

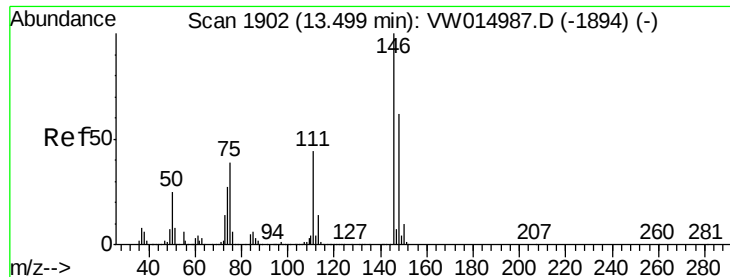
MMDadoda
 2/17/2020 3:46:31 PM



#63
 1,2,4-Trimethylbenzene
 Concen: 1.571 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion:105 Resp: 58123
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.0 52.4





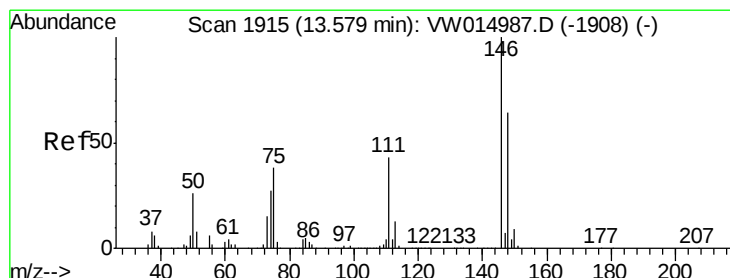
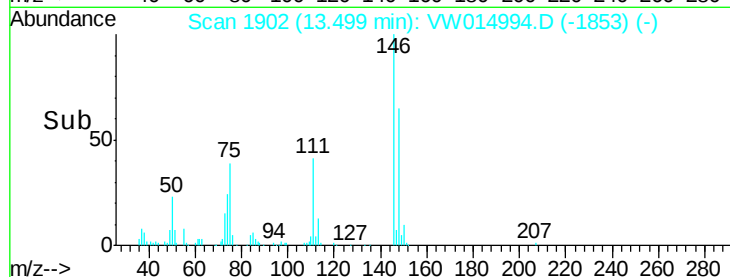
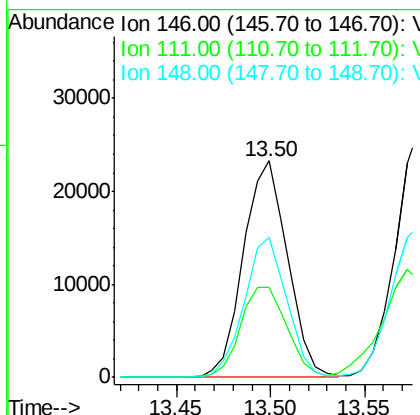
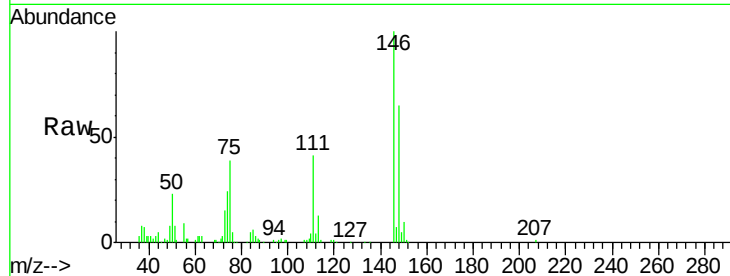
#64
 1,3-Dichlorobenzene
 Concen: 1.928 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	30.2	56.0
148	64.8	44.2	82.2

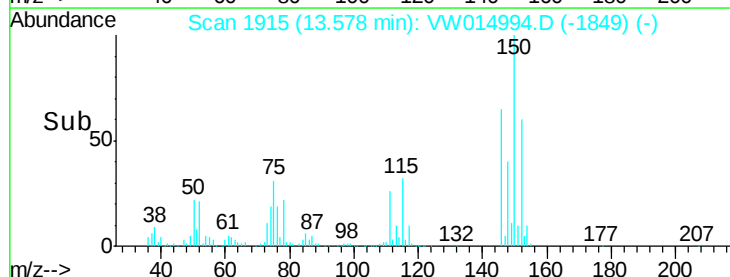
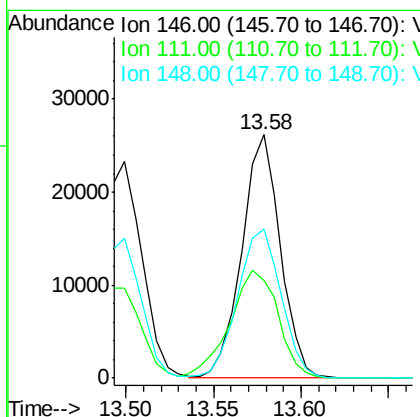
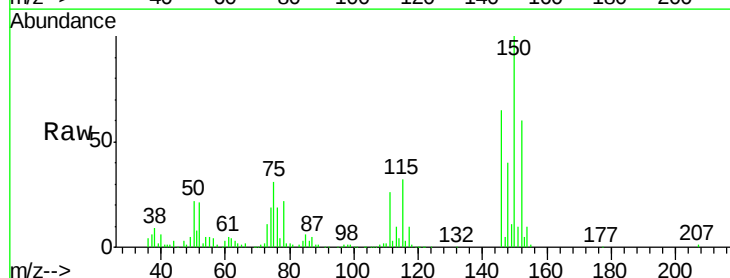
Manual Integrations
 APPROVED

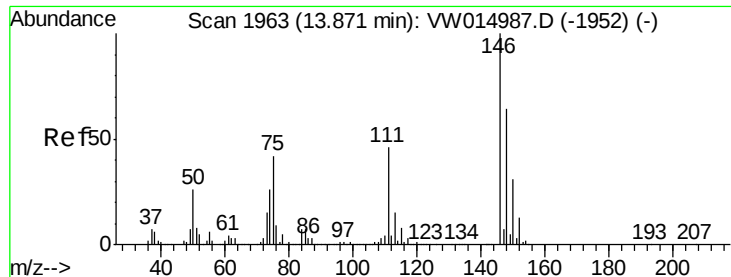
MMDadoda
 2/17/2020 3:46:31 PM



#65
 1,4-Dichlorobenzene
 Concen: 1.996 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	29.5	54.9
148	61.0	43.8	81.3





#67

1,2-Dichlorobenzene

Concen: 2.105 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

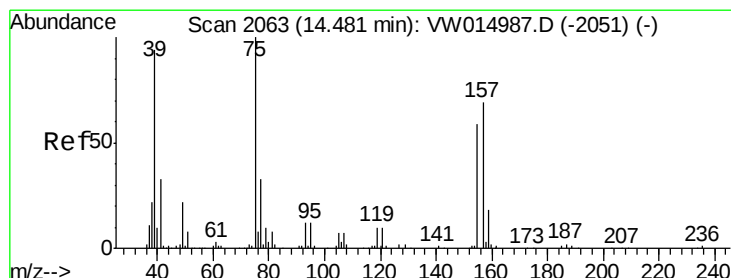
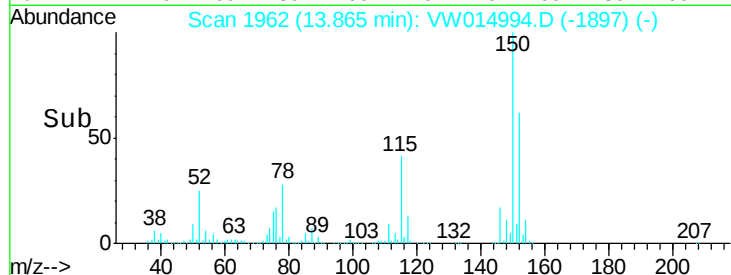
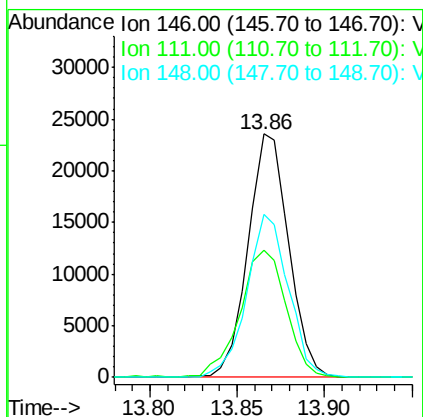
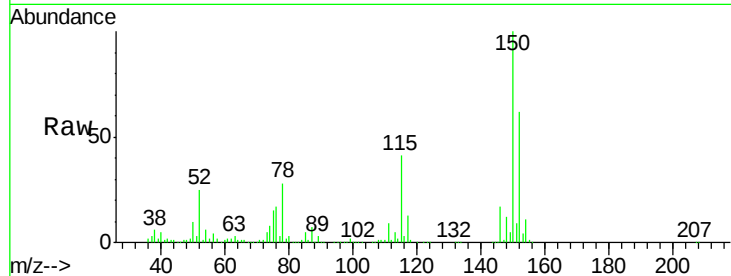
ClientSampled :

MDL04

Tot Ion:	146	Resp:	38074
Ion Ratio	Lower	Upper	
146	100		
111	52.1	38.0	57.0
148	66.8	49.5	74.3

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM



#68

1,2-Dibromo-3-chloropropane

Concen: 2.023 ug/L

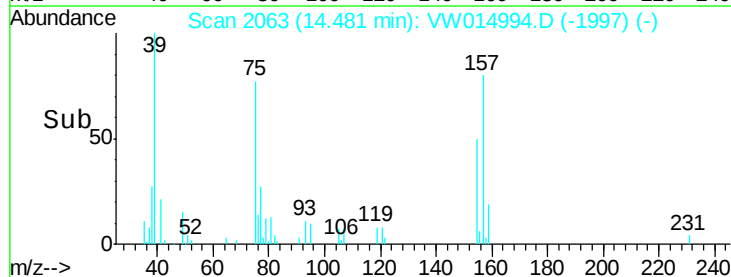
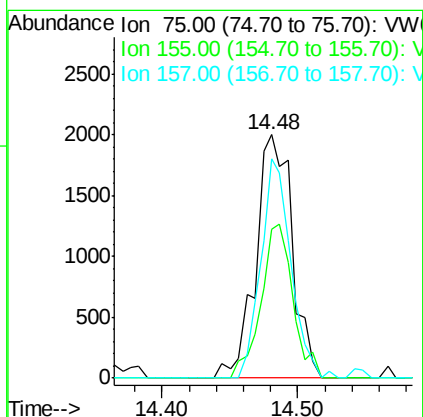
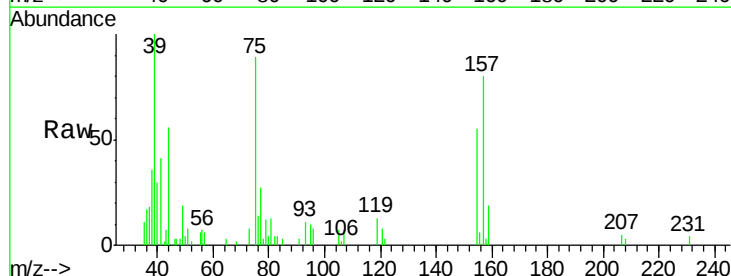
RT: 14.48 min Scan# 2063

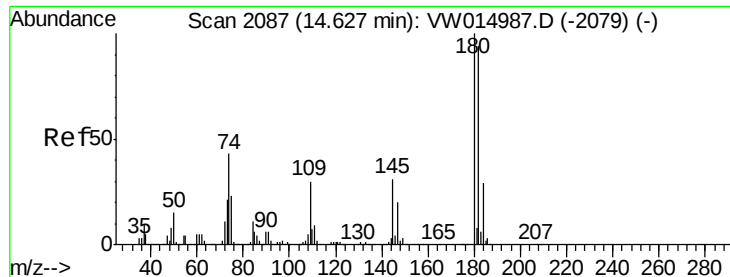
Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion:	75	Resp:	3755
Ion Ratio	Lower	Upper	
75	100		
155	61.4	48.0	72.0
157	90.0	59.4	89.0#





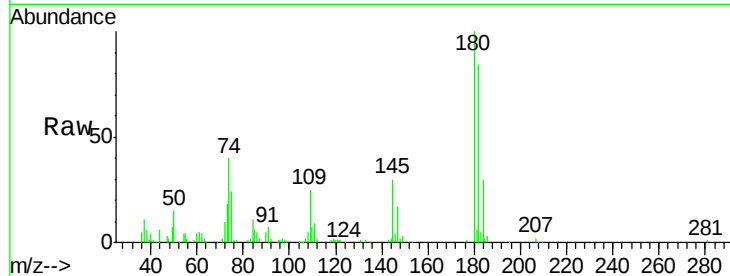
#69
 1,3,5-Trichlorobenzene
 Concen: 1.974 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25865		
182	89.9	76.5	114.7	
184	30.3	24.2	36.2	
145	31.4	25.0	37.6	

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:31 PM



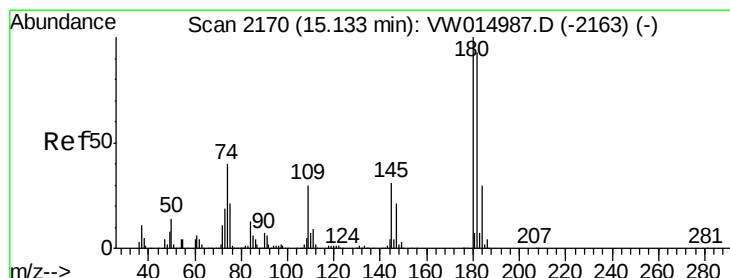
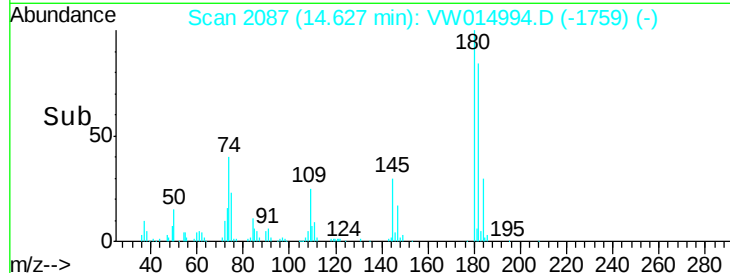
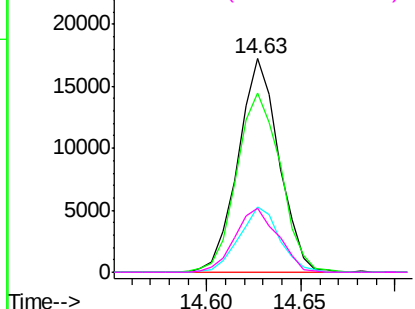
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

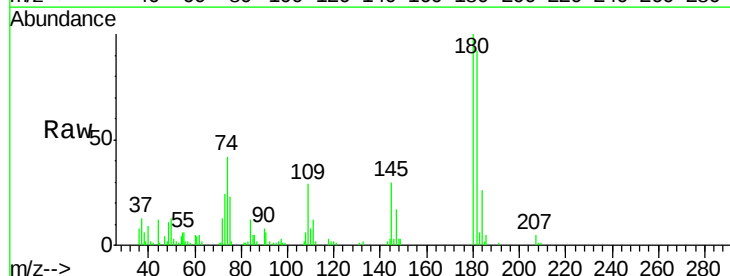
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 1.729 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	16974		
182	94.1	76.2	114.4	
145	34.8	26.2	39.4	

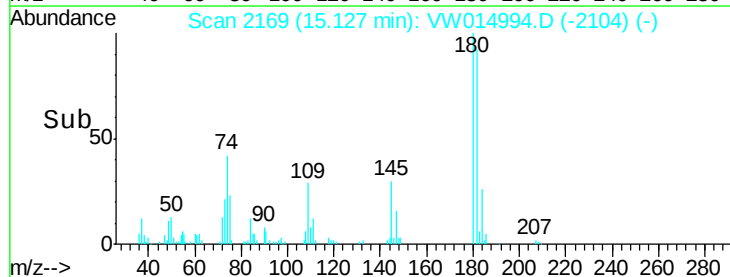
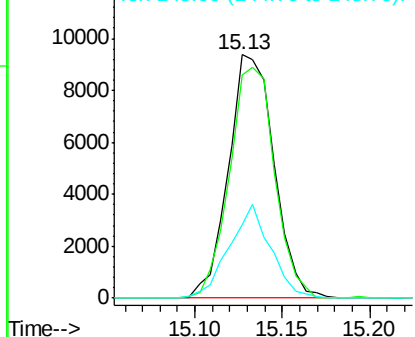


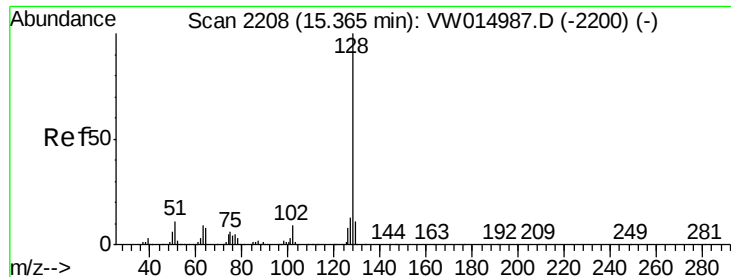
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





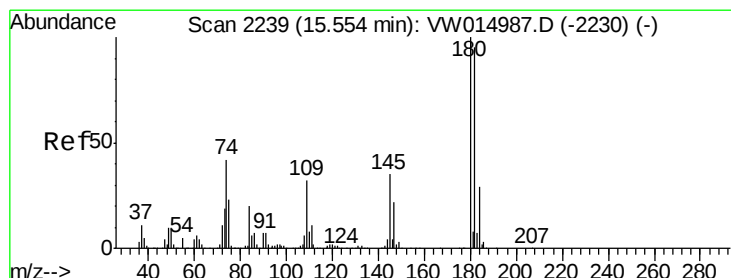
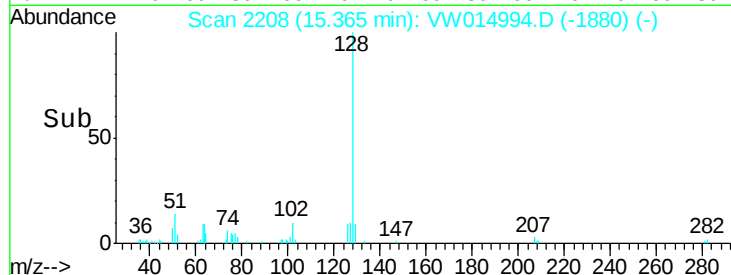
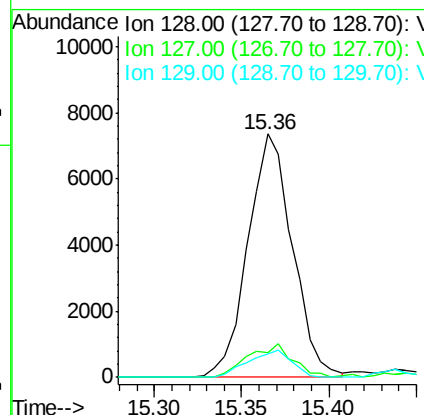
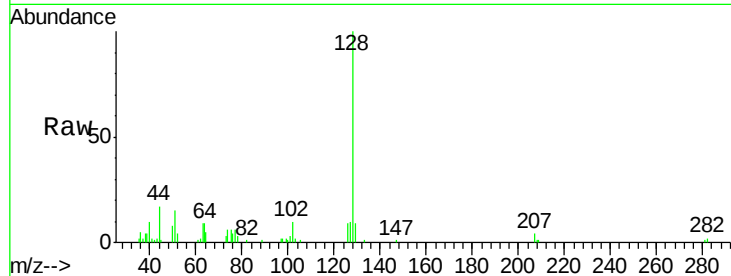
#71
Naphthalene
Concen: 1.292 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Resp	Lower	Upper
128	100	13031		
127	13.9		10.5	15.7
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:31 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.746 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15887		
182	93.7		75.2	112.8
145	33.5		27.0	40.6

