

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014982.D
 Acq On : 13 Feb 2020 16:03
 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 4:29:01 PM

Quant Time: Feb 14 05:00:14 2020

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

Quant Title : SFAM01.0

QLast Update : Fri Feb 14 04:50:37 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	737037	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	689140	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	283905	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	363484	24.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.96%
7) Chloroethane-d5	2.89	69	278793	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	4.02	63	496608	18.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.60%
21) 2-Butanone-d5	7.08	46	199194	48.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.30%
24) Chloroform-d	7.65	84	581489	24.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	8.31	65	352801	25.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	8.27	84	1170782	25.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	9.27	67	402006	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.68%
41) Toluene-d8	10.32	98	996901	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	10.57	79	144881	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.52%
47) 2-Hexanone-d5	10.92	63	136485	48.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.10%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	290330	24.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.44%
66) 1,2-Dichlorobenzene-d4	13.85	152	278079	26.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	12622	1.724 ug/L	97
3) Chloromethane	2.21	50	26784	1.945 ug/L	95
5) Vinyl chloride	2.36	62	37088m	2.092 ug/L	
6) Bromomethane	2.78	94	16451	2.046 ug/L	96
8) Chloroethane	2.92	64	18341	1.934 ug/L	100
9) Trichlorofluoromethane	3.26	101	12365	1.766 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	26582m	2.321 ug/L	
12) 1,1-Dichloroethene	4.04	96	24069	2.191 ug/L #	1
13) Acetone	4.12	43	20822	4.822 ug/L	97
14) Carbon disulfide	4.39	76	77032	1.940 ug/L	98
15) Methyl Acetate	4.68	43	14491	1.934 ug/L	93
16) Methylene chloride	4.92	84	70420	5.171 ug/L	96
17) trans-1,2-Dichloroethene	5.42	96	23031	2.078 ug/L	87
18) Methyl tert-butyl Ether	5.43	73	25767	1.884 ug/L	94
19) 1,1-Dichloroethane	6.21	63	49940	2.017 ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	22416	1.962 ug/L	98
22) 2-Butanone	7.17	43	24634	4.745 ug/L	81

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 Quant Title : SFAM01.0
 QLast Update : Fri Feb 14 04:50:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	9071	1.958	ug/L	98
25) Chloroform	7.68	83	47523	2.154	ug/L	99
27) 1,2-Dichloroethane	8.40	62	34007	2.098	ug/L #	95
29) Cyclohexane	7.96	56	37012	1.647	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	33887	2.022	ug/L	99
31) Carbon tetrachloride	8.06	117	30744	2.035	ug/L	96
33) Benzene	8.32	78	102925	2.034	ug/L	100
34) Trichloroethene	9.09	95	24205	1.997	ug/L	98
35) Methylcyclohexane	9.34	83	37458	1.792	ug/L	96
37) 1,2-Dichloropropane	9.37	63	28808	2.039	ug/L #	97
38) Bromodichloromethane	9.64	83	31705	1.992	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	36165	1.913	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	36495	3.627	ug/L	97
42) Toluene	10.38	91	102051	2.087	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	31670m	2.019	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	17956	2.095	ug/L	92
46) Tetrachloroethene	10.86	164	16018	2.036	ug/L	87
48) 2-Hexanone	10.97	43	28721	3.918	ug/L	99
49) Dibromochloromethane	11.13	129	17674	1.979	ug/L	98
50) 1,2-Dibromoethane	11.24	107	15111	1.955	ug/L	100
51) Chlorobenzene	11.66	112	56285	1.952	ug/L	98
52) Ethylbenzene	11.73	91	96859	1.819	ug/L	99
53) m,p-Xylene	11.84	106	32327	1.730	ug/L	95
54) o-Xylene	12.16	106	29016	1.654	ug/L	89
55) Styrene	12.18	104	47771	1.579	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.71	83	23757	2.071	ug/L #	99
59) Bromoform	12.35	173	8634	1.989	ug/L #	96
60) Isopropylbenzene	12.46	105	75934	1.709	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	18037	2.168	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	59028	1.666	ug/L	96
63) 1,2,4-Trimethylbenzene	13.25	105	53394	1.540	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	35526	1.939	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	37972	2.011	ug/L	94
67) 1,2-Dichlorobenzene	13.87	146	36963	2.180	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	3605	2.072	ug/L	87
69) 1,3,5-Trichlorobenzene	14.63	180	24093	1.962	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	15184	1.650	ug/L	98
71) Naphthalene	15.36	128	12961	1.371	ug/L	95
72) 1,2,3-Trichlorobenzene	15.55	180	14434	1.692	ug/L	96

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

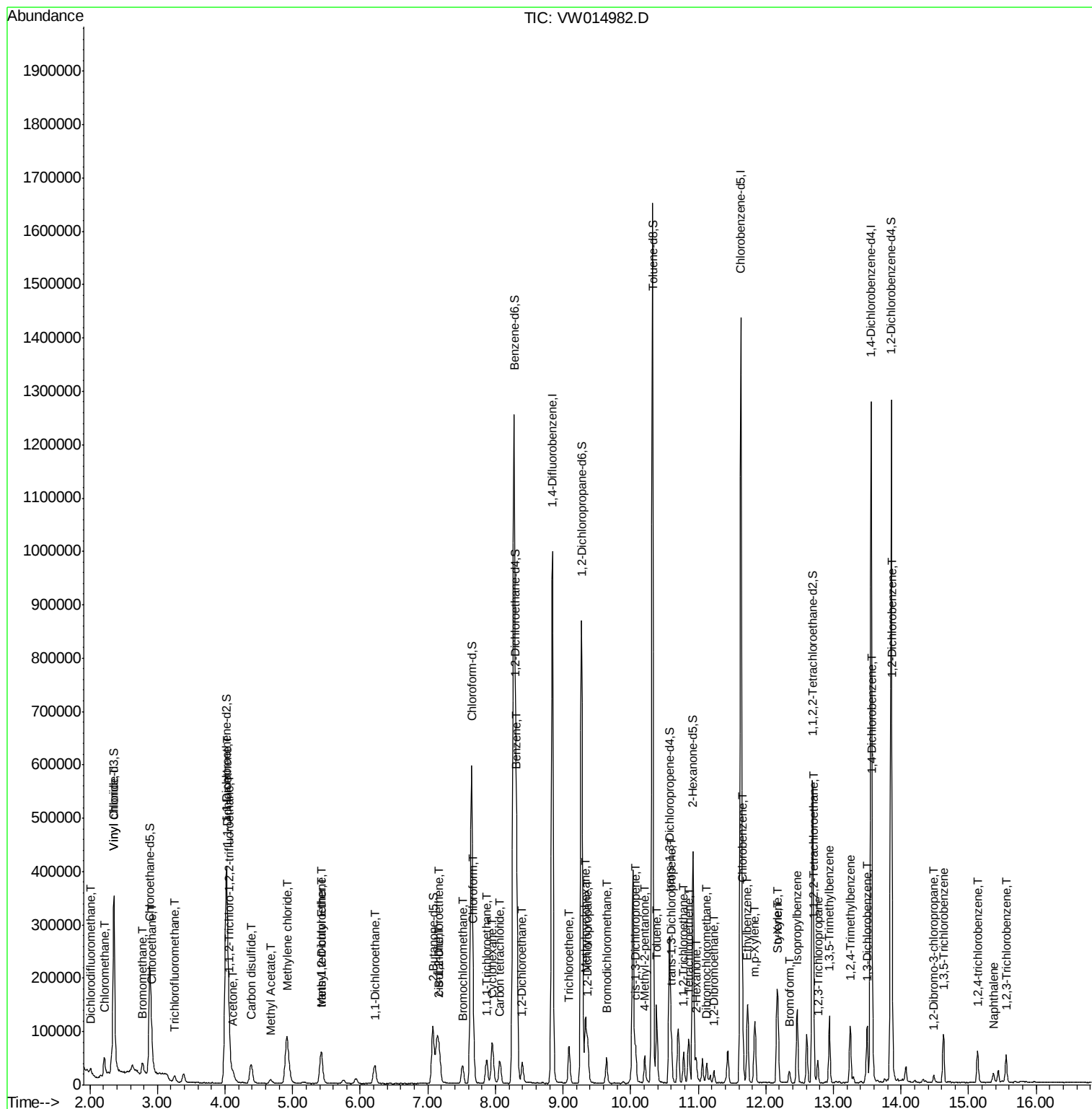
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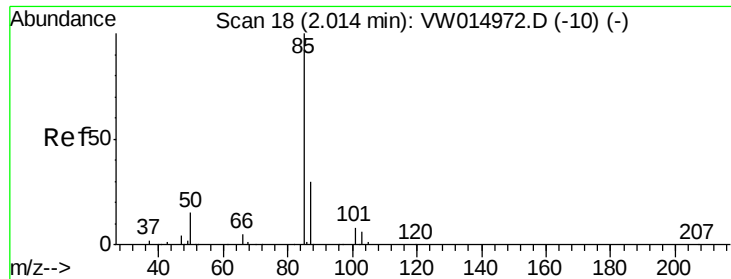
Instrument :
MSVOA_W
ClientSampleId :
MDL01

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#2

Dichlorodifluoromethane

Concen: 1.724 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 85 Resp: 12622

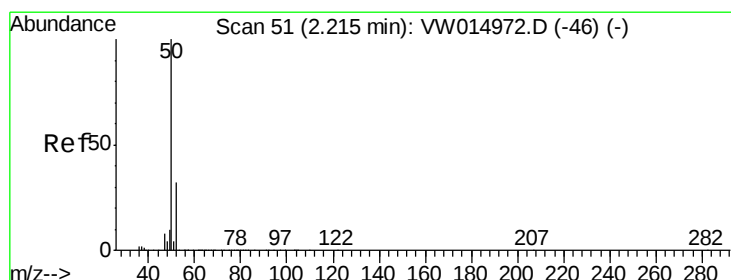
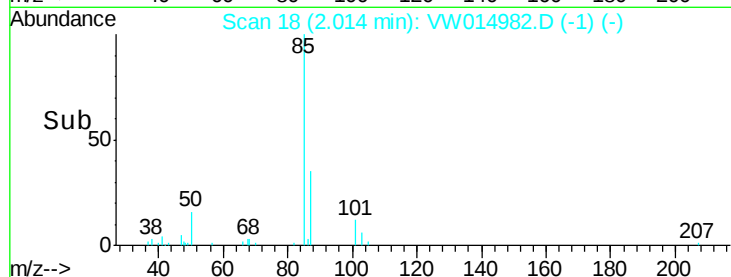
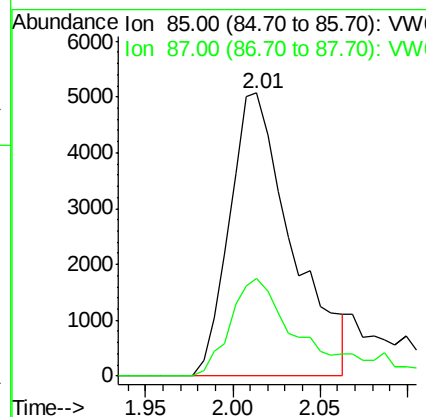
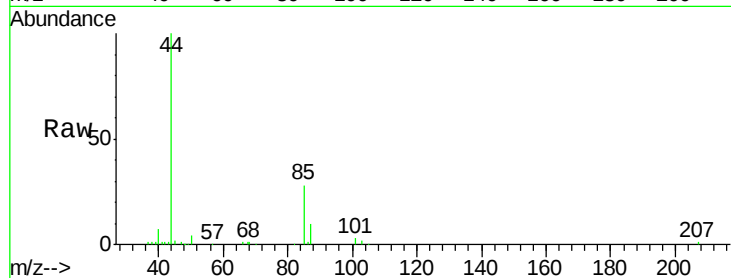
Ion Ratio Lower Upper

85 100

87 28.6 21.5 32.3

Manual Integrations
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#3

Chloromethane

Concen: 1.945 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014982.D

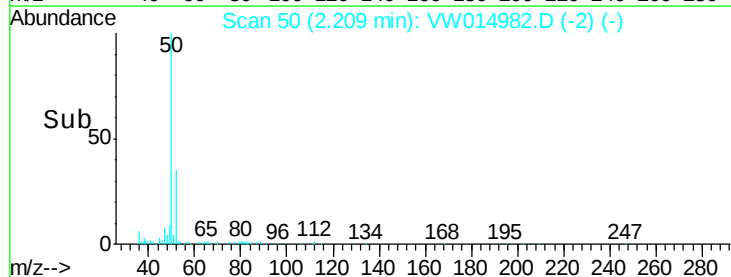
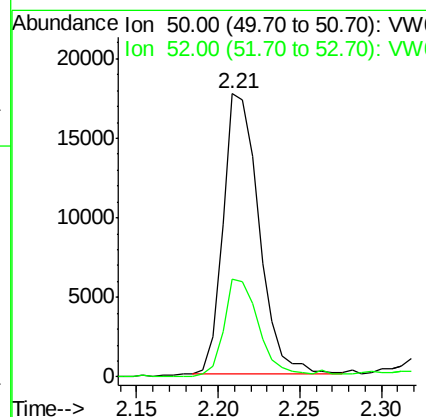
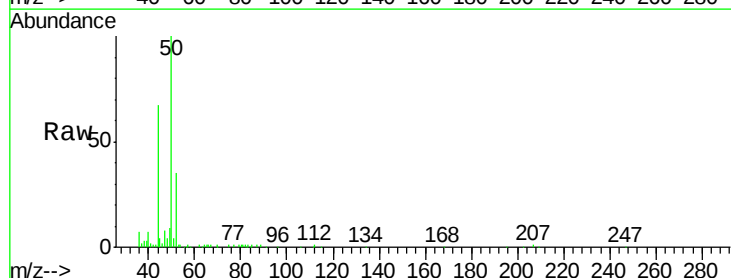
Acq: 13 Feb 2020 16:03

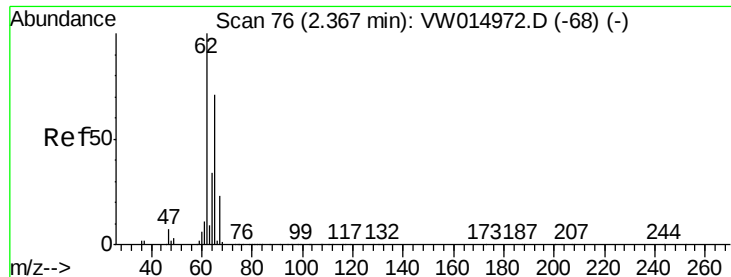
Tgt Ion: 50 Resp: 26784

Ion Ratio Lower Upper

50 100

52 34.6 22.3 41.3





#5

Vinyl chloride

Concen: 2.092 ug/L m

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 62 Resp: 37088

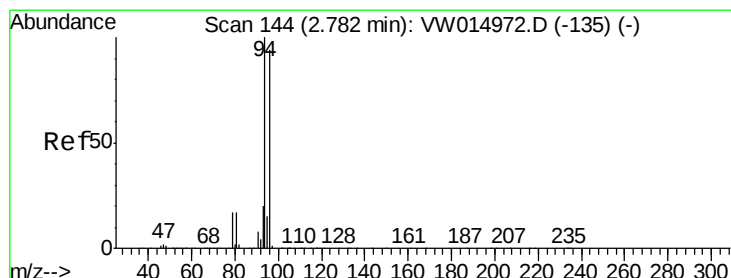
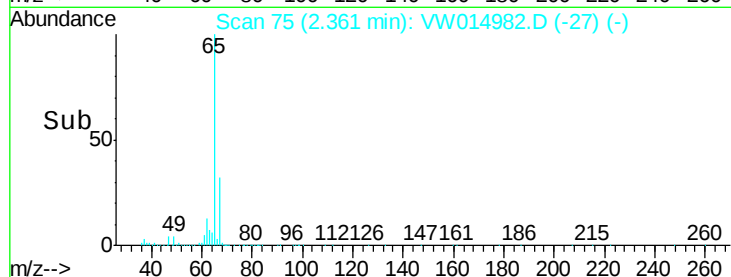
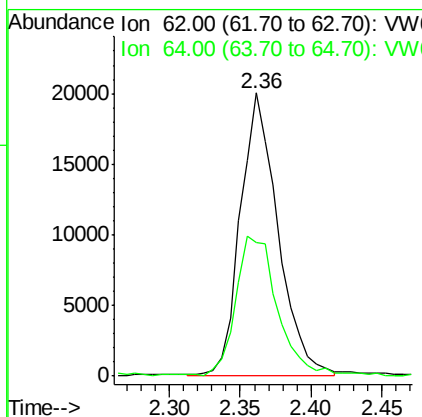
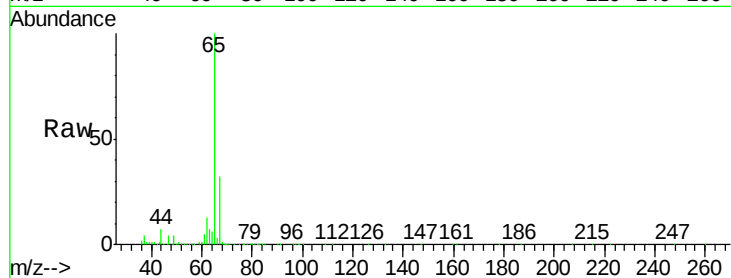
Ion Ratio Lower Upper

62 100

64 47.4 23.6 43.8#

Manual Integrations
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#6

Bromomethane

Concen: 2.046 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014982.D

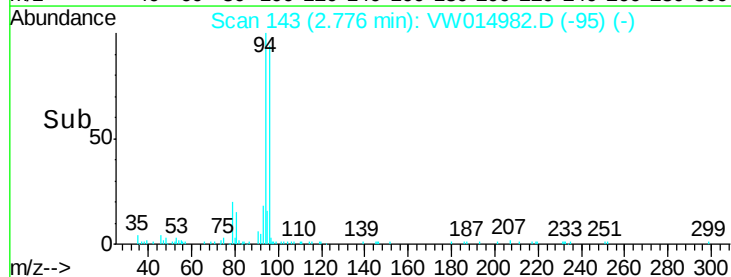
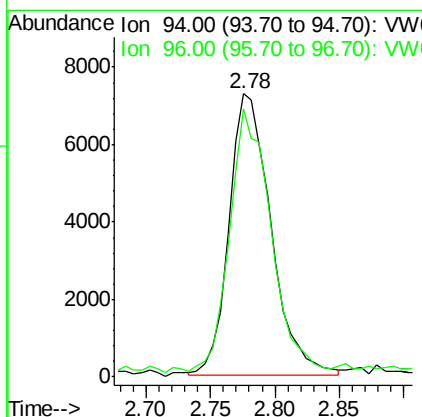
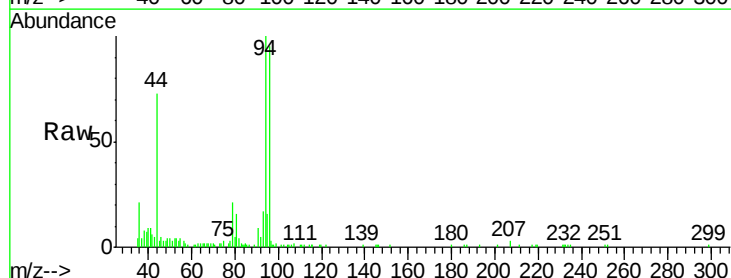
Acq: 13 Feb 2020 16:03

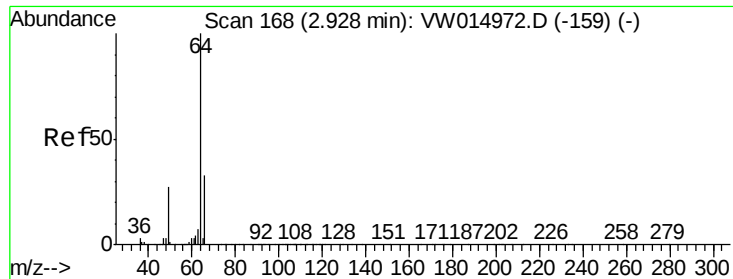
Tgt Ion: 94 Resp: 16451

Ion Ratio Lower Upper

94 100

96 98.0 65.8 122.2





#8

Chloroethane

Concen: 1.934 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 64 Resp: 18341

Ion Ratio Lower Upper

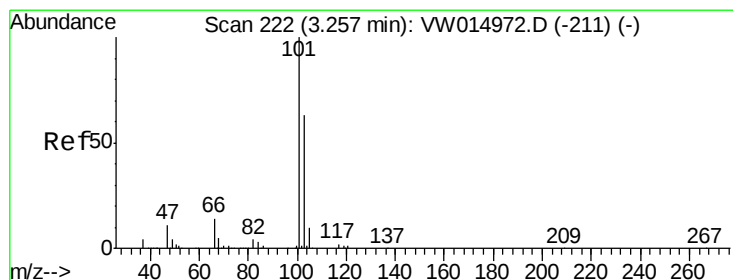
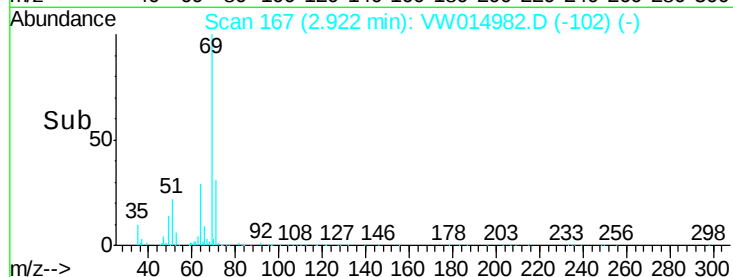
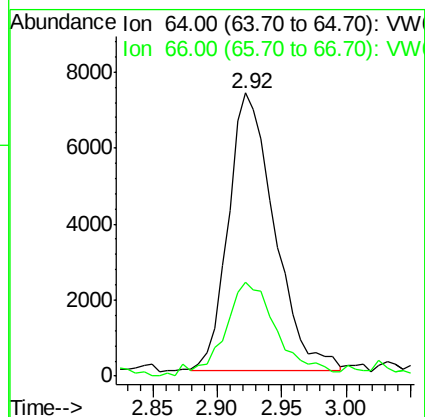
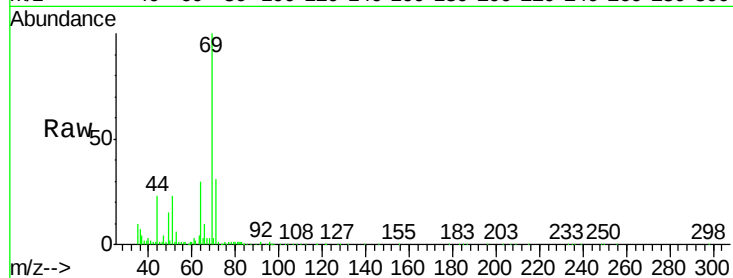
64 100

66 33.0 23.1 42.9

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 1.766 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014982.D

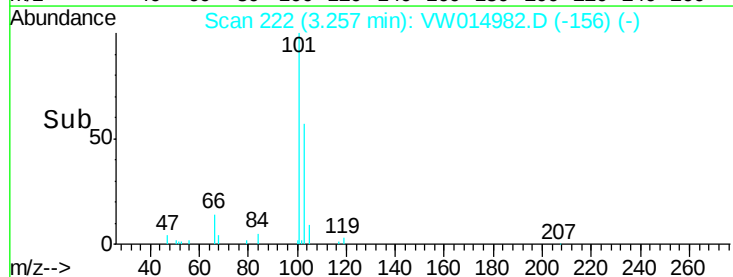
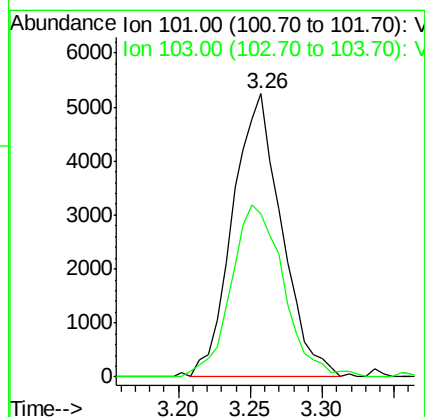
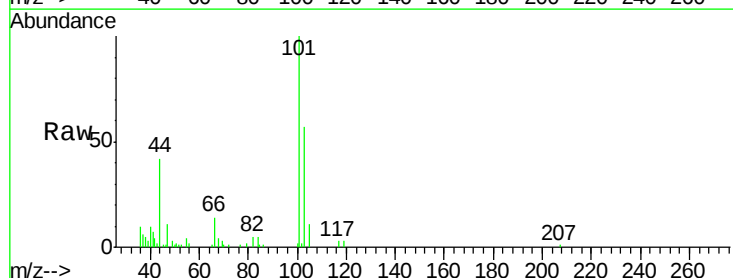
Acq: 13 Feb 2020 16:03

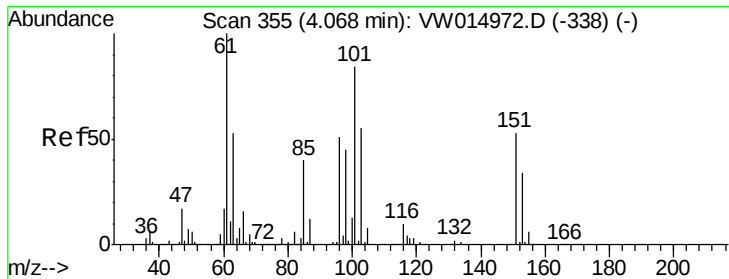
Tgt Ion: 101 Resp: 12365

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3





#10

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

Concen: 2.321 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

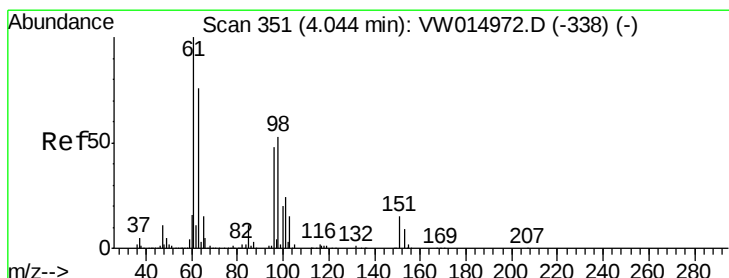
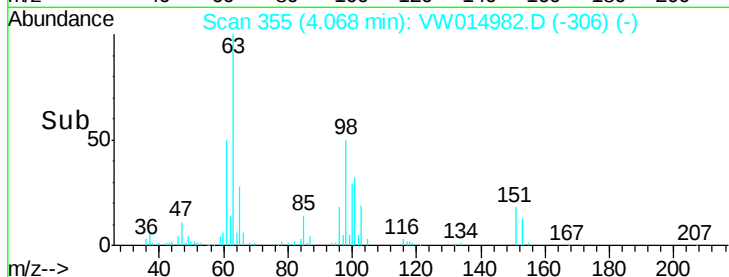
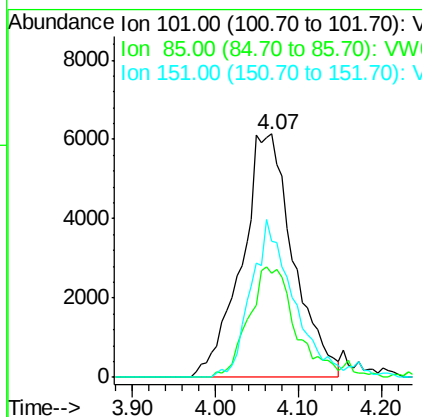
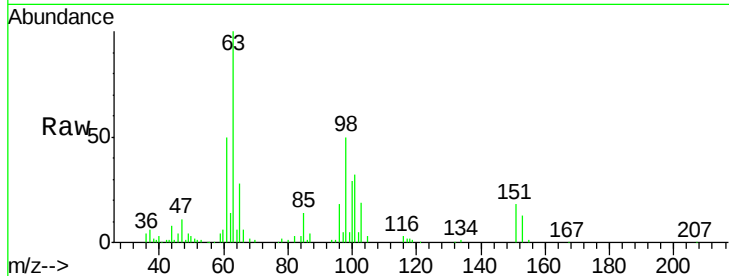
ClientSampled :

MDL01

Tot Ion	Ratio	Lower	Upper
101	100		
85	35.1	36.5	54.7#
151	52.8	50.2	75.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.191 ug/L

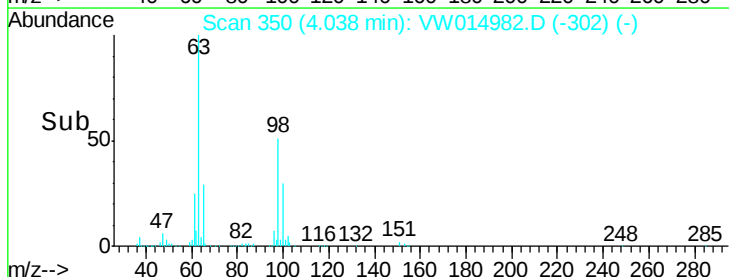
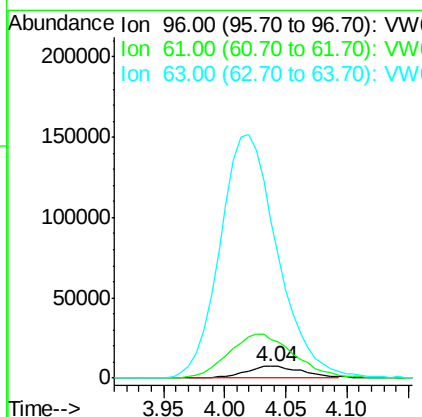
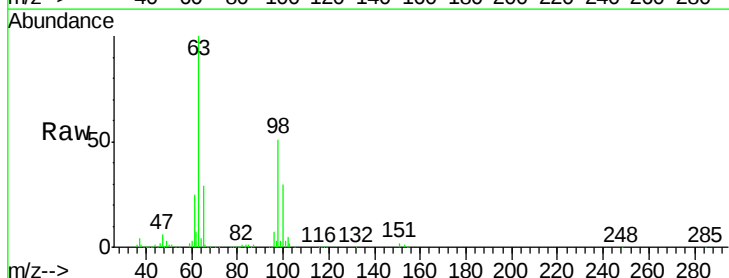
RT: 4.04 min Scan# 350

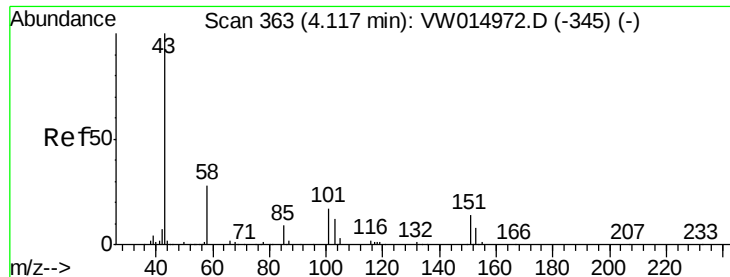
Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	330.6	147.0	273.0#
63	1342.6	113.4	210.6#





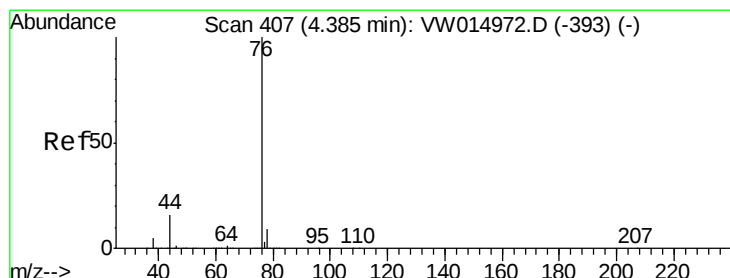
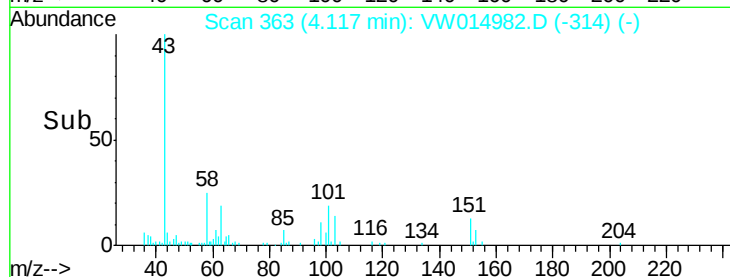
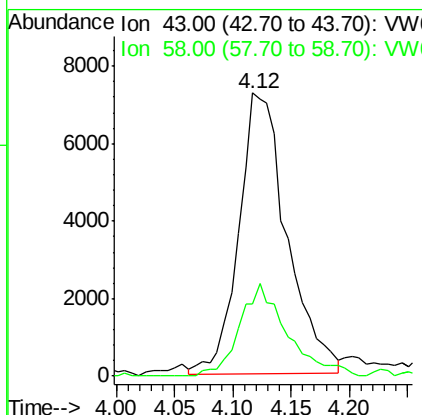
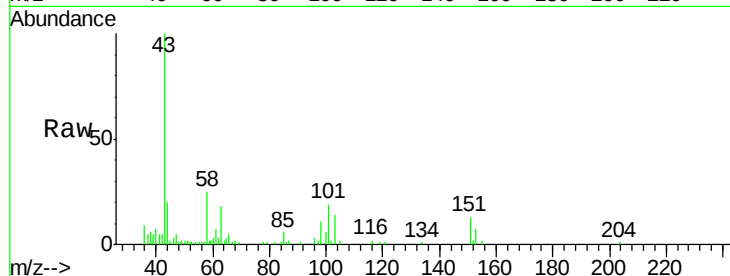
#13
Acetone
Concen: 4.822 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	43.00	Resp	20822
Ion Ratio	43	100	Lower Upper
	58	25.5	0.0 54.6

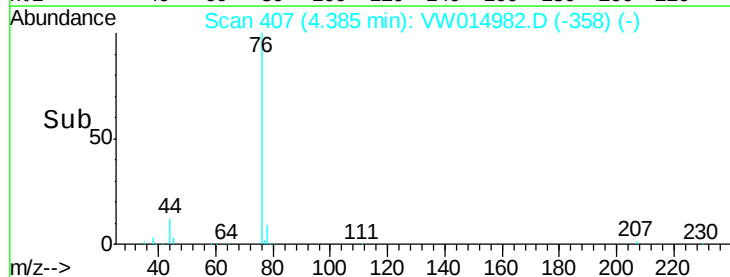
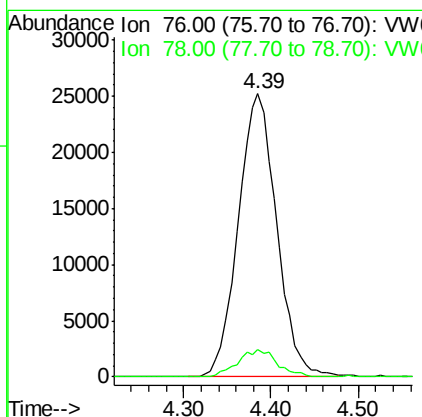
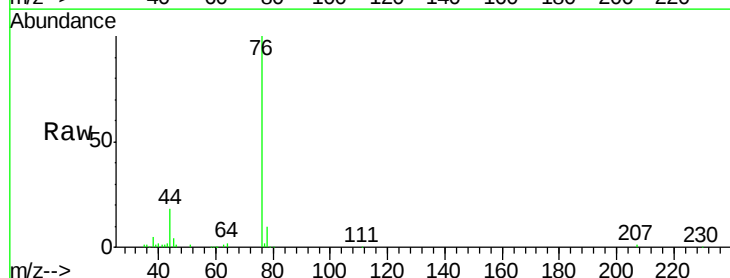
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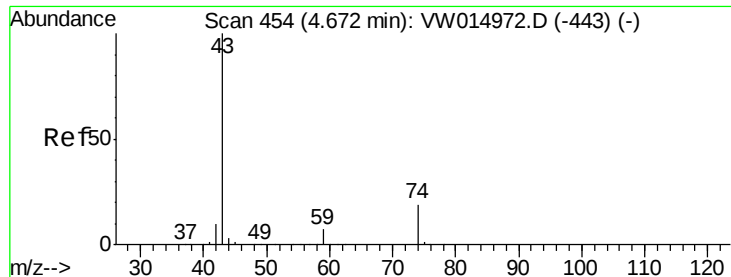
MMDadoda
2/14/2020 4:29:01 PM



#14
Carbon disulfide
Concen: 1.940 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion	76	Resp	77032
Ion Ratio	76	100	Lower Upper
	78	9.6	7.2 10.8





#15

Methyl Acetate

Concen: 1.934 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 43 Resp: 14491

Ion Ratio Lower Upper

43 100

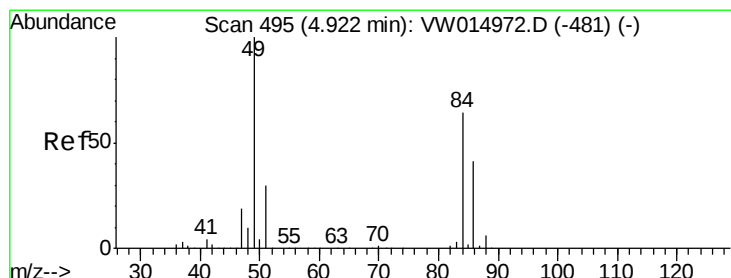
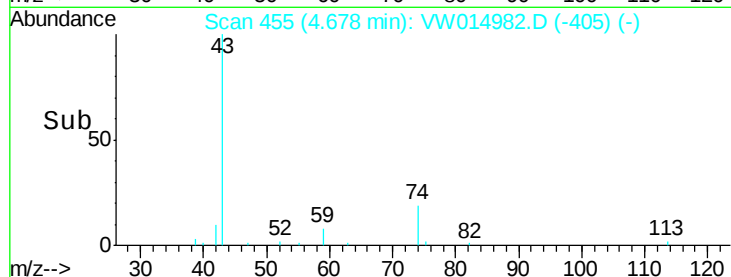
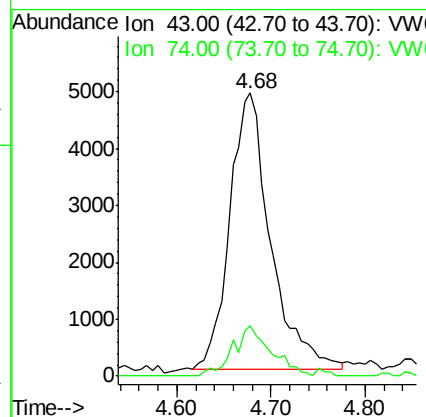
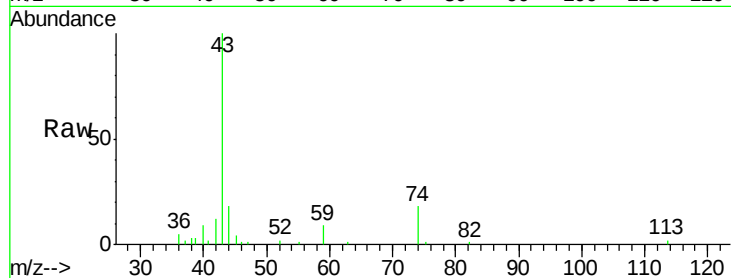
74 15.2 14.6 21.8

Manual Integrations

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MMDadoda

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#16

Methylene chloride

Concen: 5.171 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

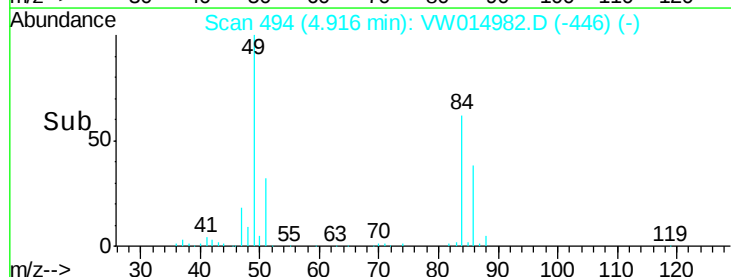
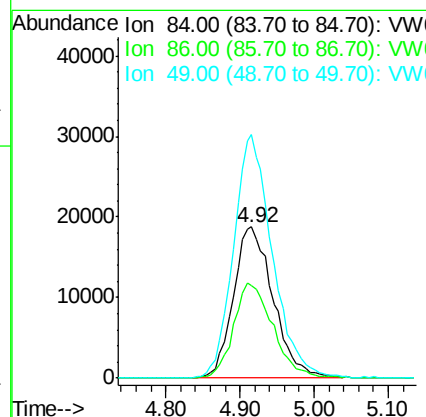
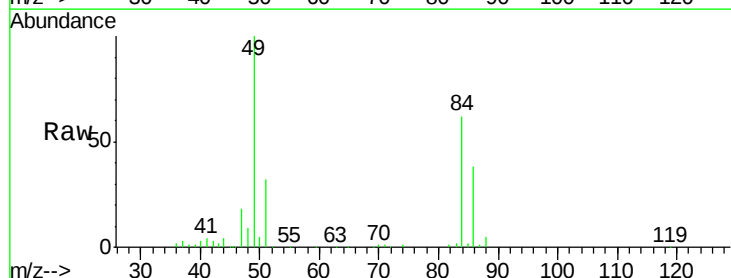
Tgt Ion: 84 Resp: 70420

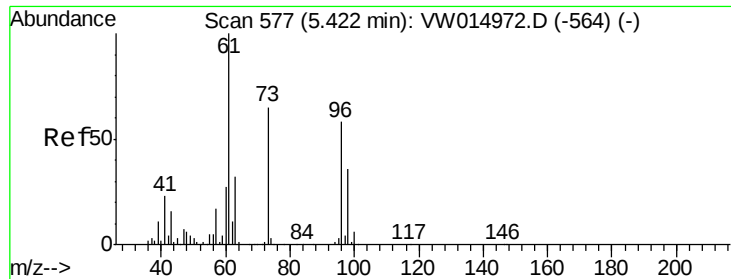
Ion Ratio Lower Upper

84 100

86 61.6 44.4 82.4

49 161.1 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 2.078 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

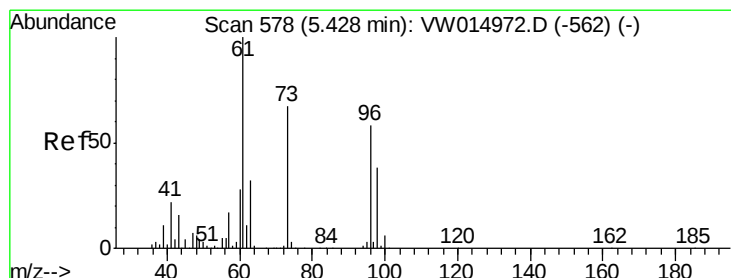
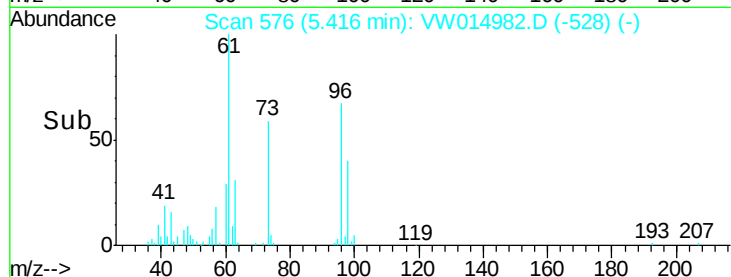
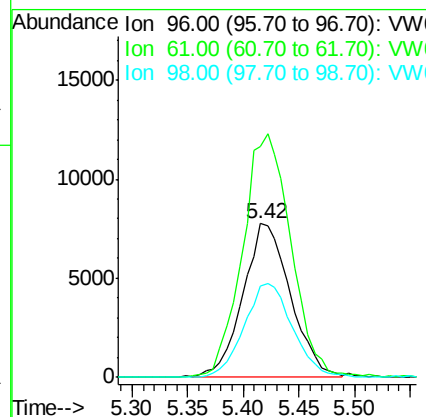
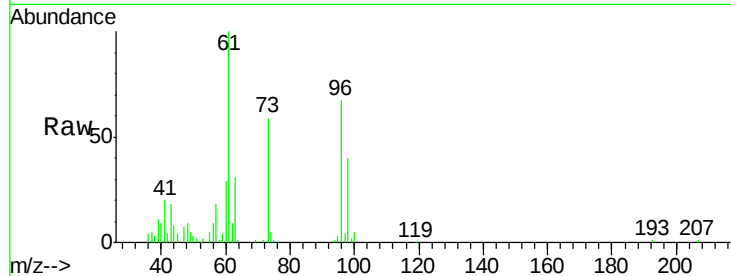
ClientSampleId :

MDL01

Tot Ion:	96	Resp:	23031
Ion Ratio	Lower	Upper	
96	100		
61	149.8	120.1	223.1
98	59.2	43.8	81.3

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 1.884 ug/L

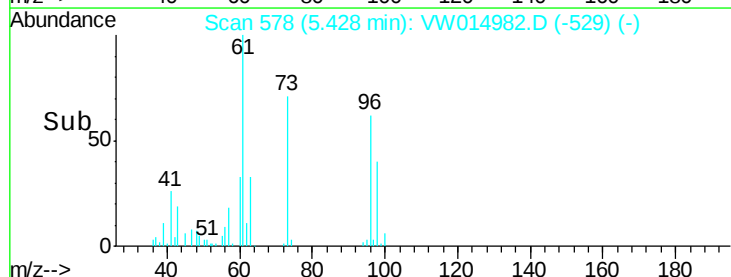
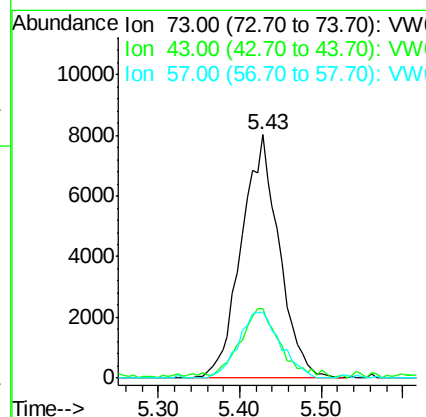
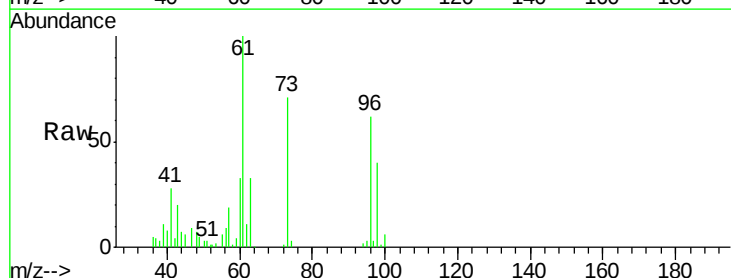
RT: 5.43 min Scan# 578

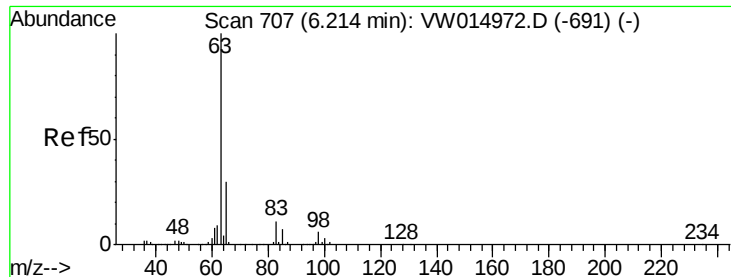
Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Tgt Ion:	73	Resp:	25767
Ion Ratio	Lower	Upper	
73	100		
43	27.2	19.6	29.4
57	29.9	21.0	31.4





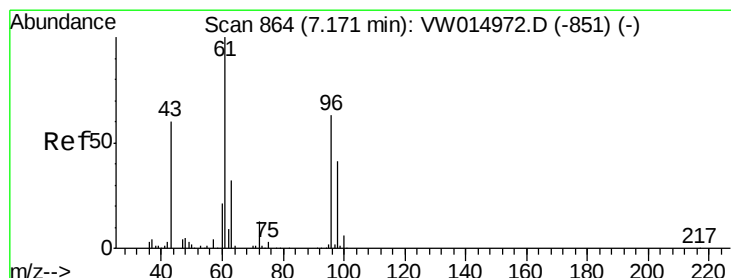
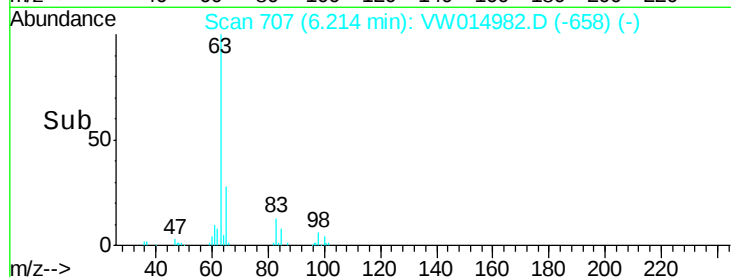
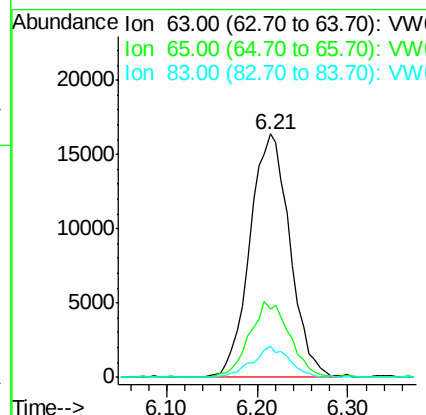
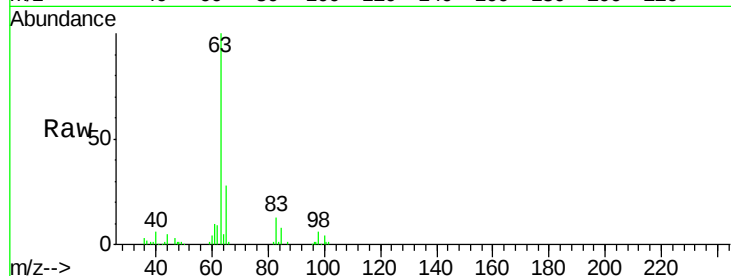
#19
 1,1-Dichloroethane
 Concen: 2.017 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion:	63	Resp:	49940
Ion	Ratio	Lower	Upper
63	100		
65	28.0	20.9	38.7
83	12.8	7.8	14.6

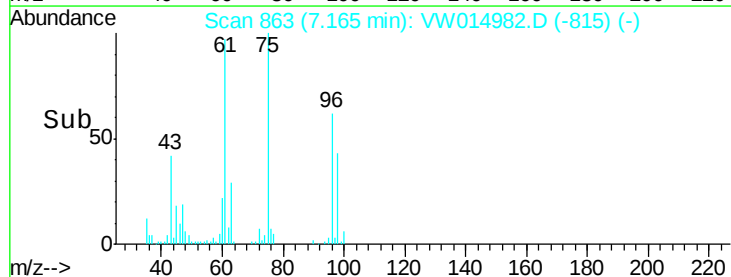
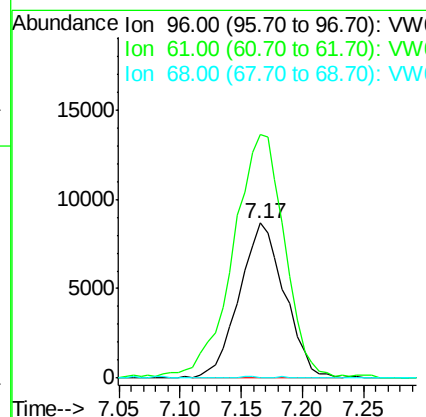
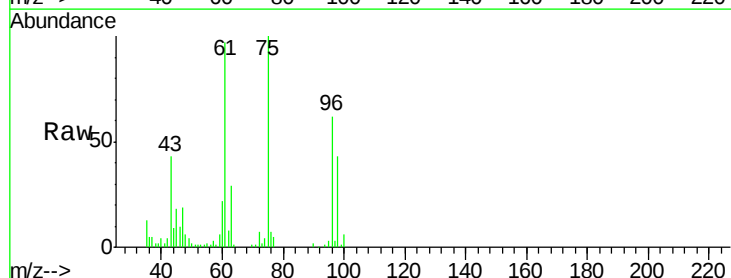
Manual Integrations
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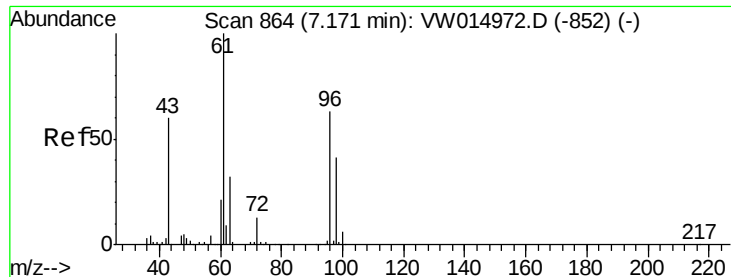
MMDadoda
 2/14/2020 4:29:01 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.962 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion:	96	Resp:	22416
Ion	Ratio	Lower	Upper
96	100		
61	157.2	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.745 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 43 Resp: 24634

Ion Ratio Lower Upper

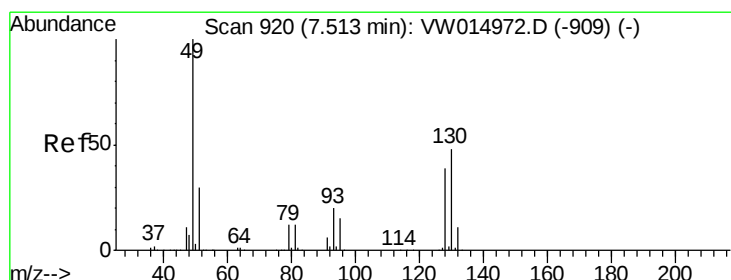
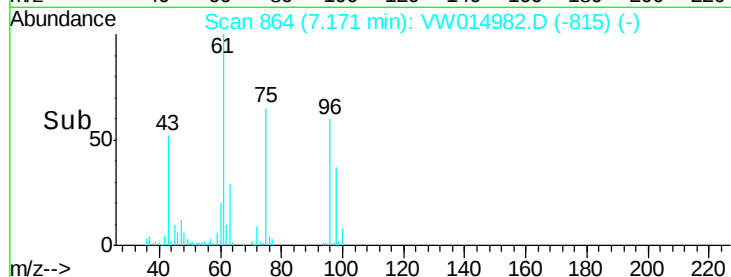
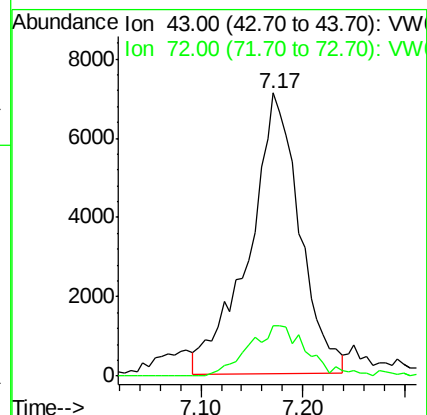
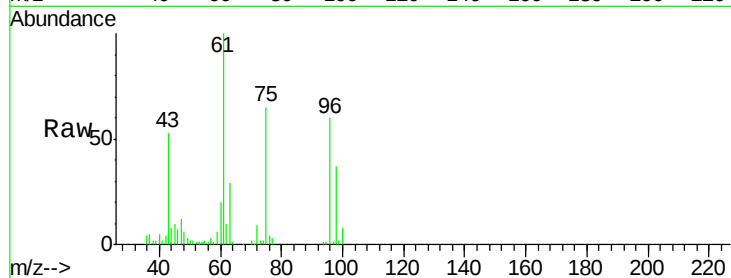
43 100

72 12.9 11.1 33.1

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#23

Bromochloromethane

Concen: 1.958 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Tgt Ion: 128 Resp: 9071

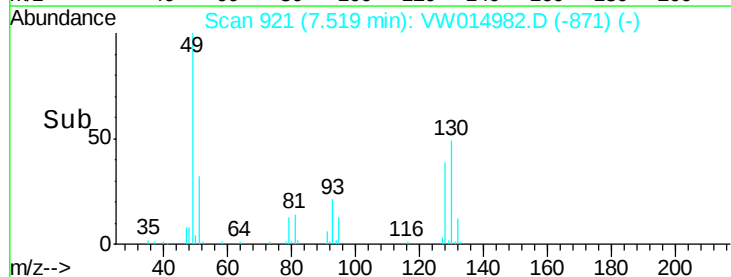
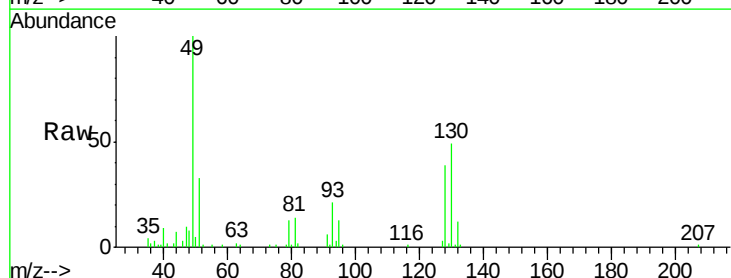
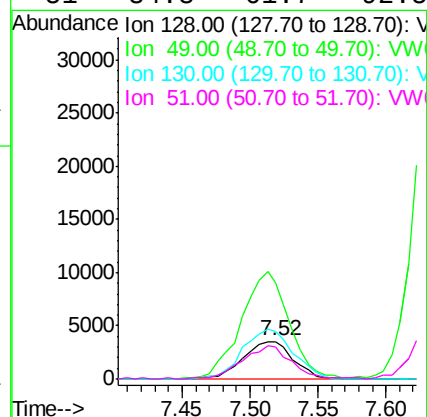
Ion Ratio Lower Upper

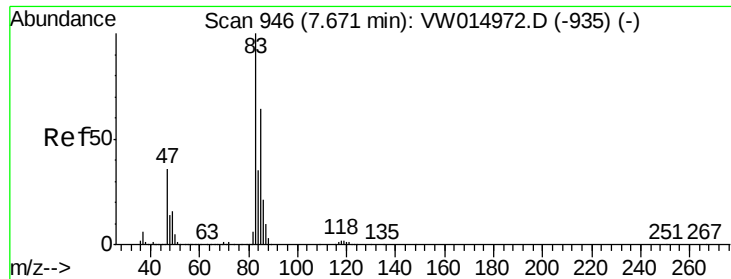
128 100

49 255.2 179.0 332.4

130 125.3 85.5 158.7

51 84.8 61.7 92.5





#25

Chloroform

Concen: 2.154 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 83 Resp: 47523

Ion Ratio Lower Upper

83 100

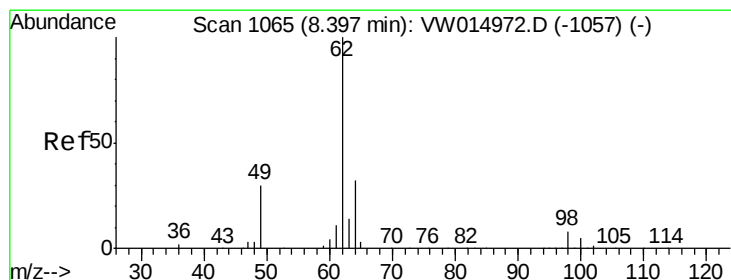
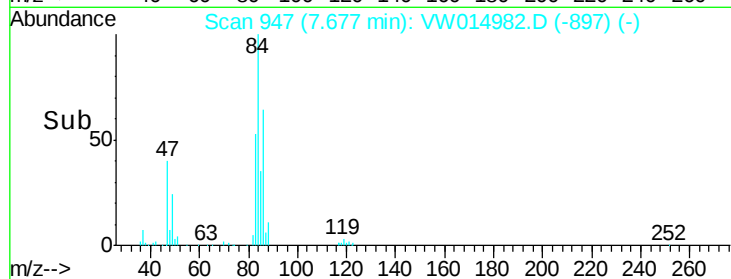
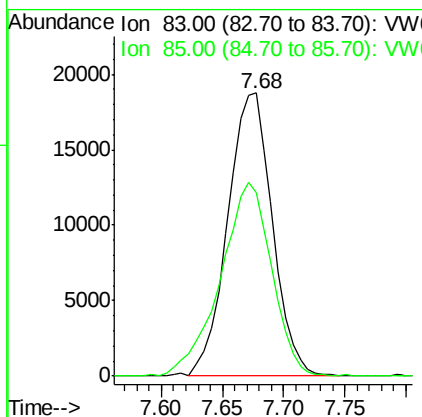
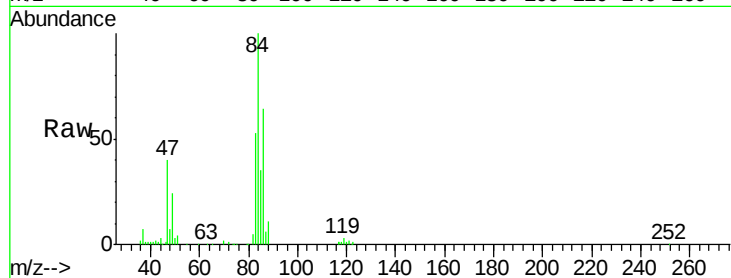
85 64.9 45.1 83.7

Manual Integrations

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MMDadoda

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#27

1,2-Dichloroethane

Concen: 2.098 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014982.D

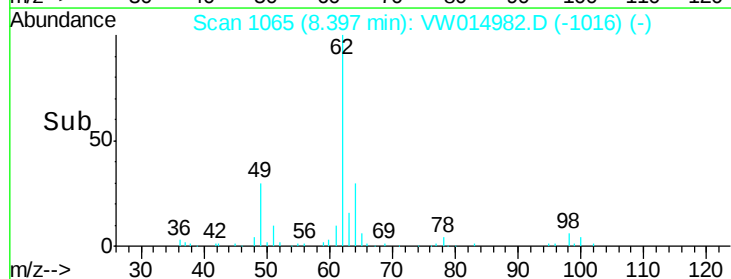
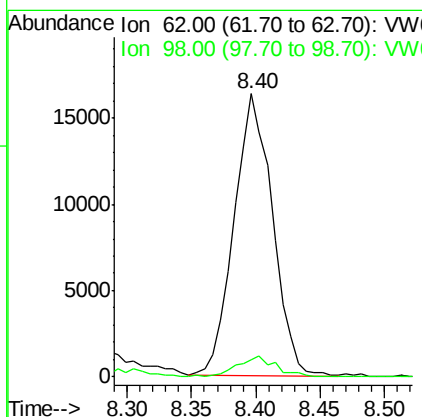
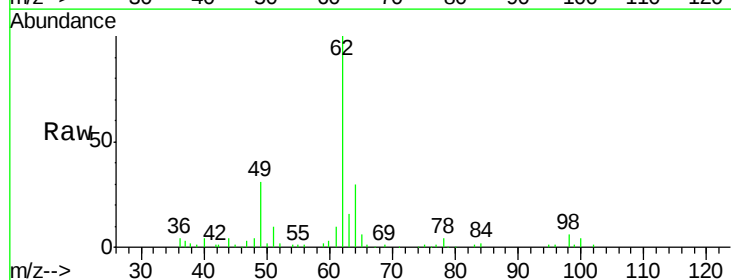
Acq: 13 Feb 2020 16:03

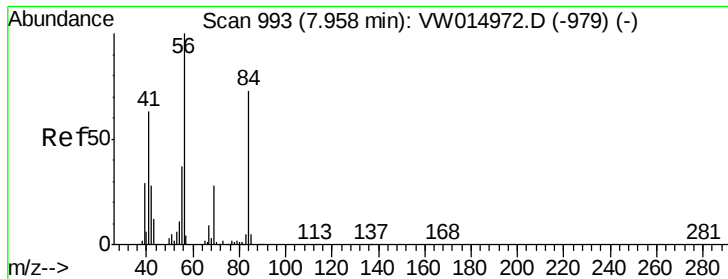
Tgt Ion: 62 Resp: 34007

Ion Ratio Lower Upper

62 100

98 6.1 6.2 9.4#





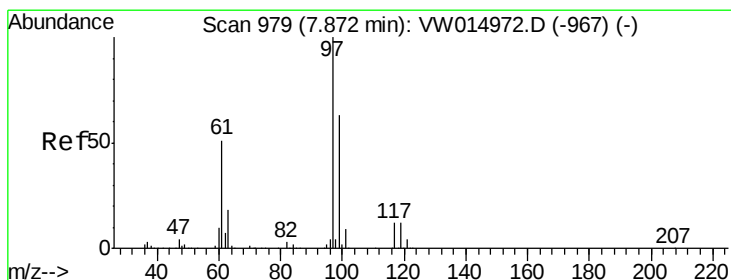
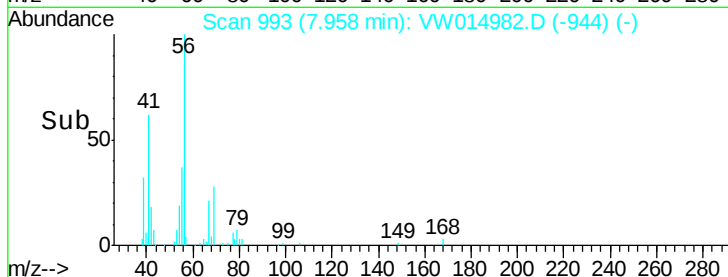
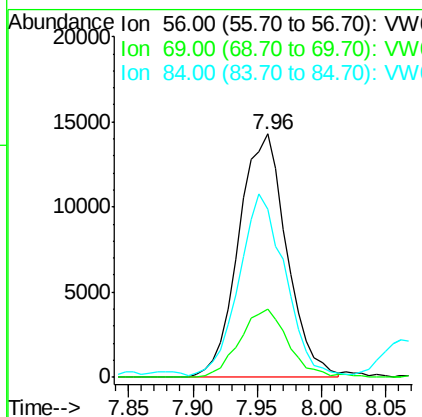
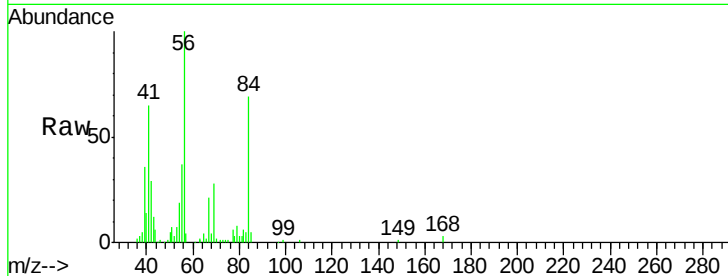
#29
Cvclohexane
Concen: 1.647 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.0	33.0
84	73.2	57.8	86.6

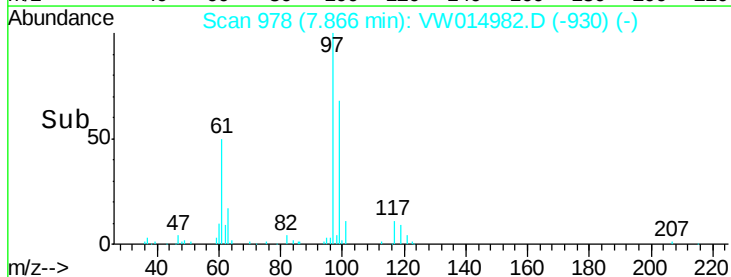
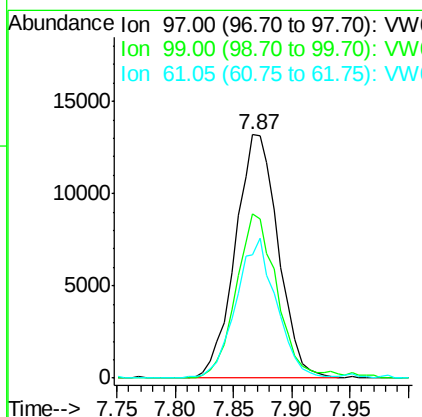
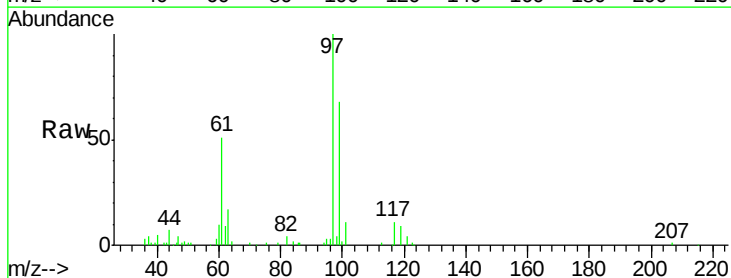
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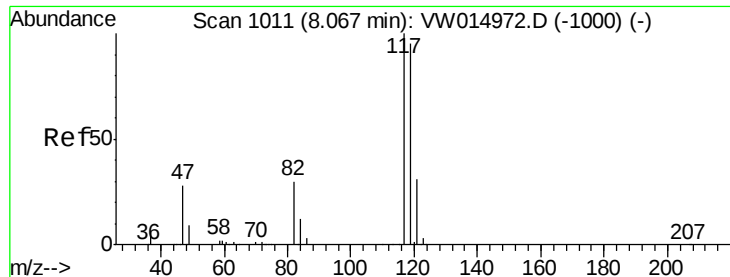
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 2.022 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	75.8
61	53.9	42.7	64.1





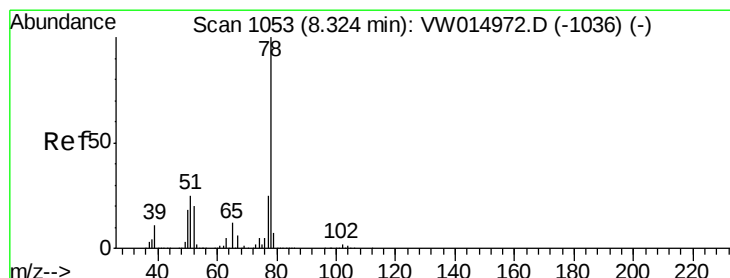
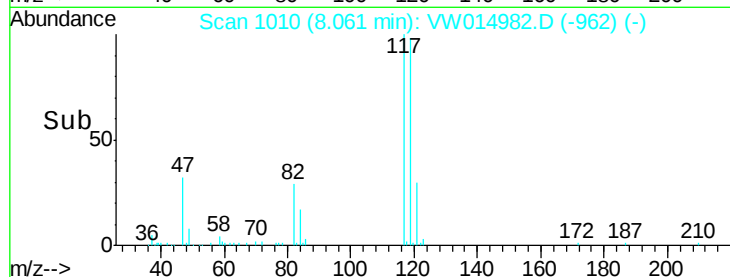
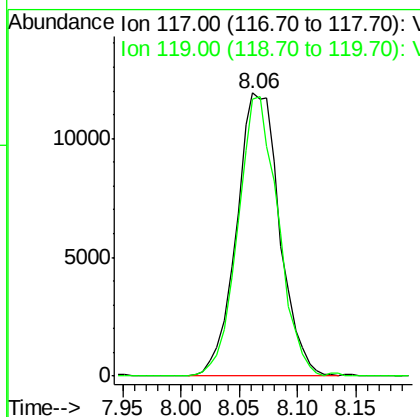
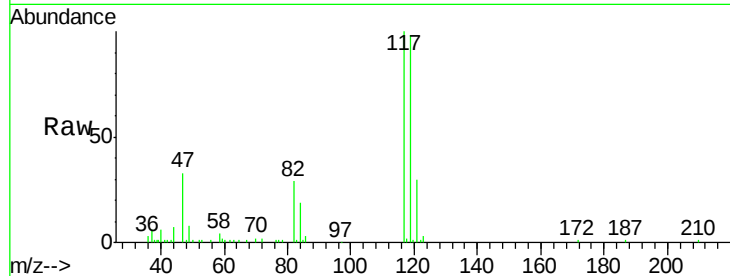
#31
Carbon tetrachloride
Concen: 2.035 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion:117 Resp: 30744
Ion Ratio Lower Upper
117 100
119 92.0 76.6 114.8

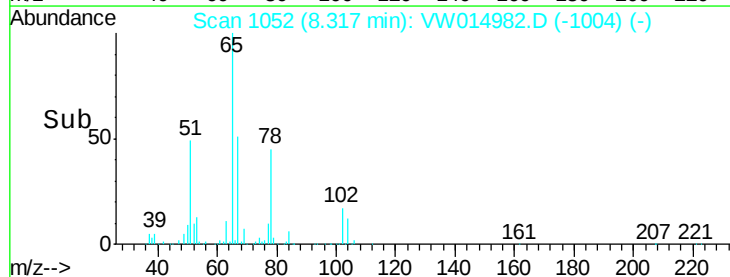
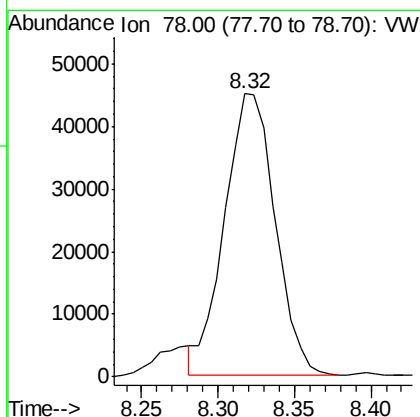
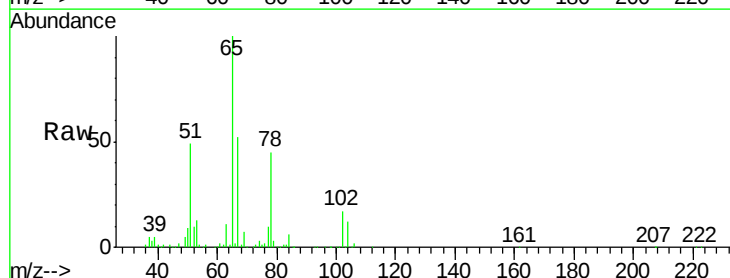
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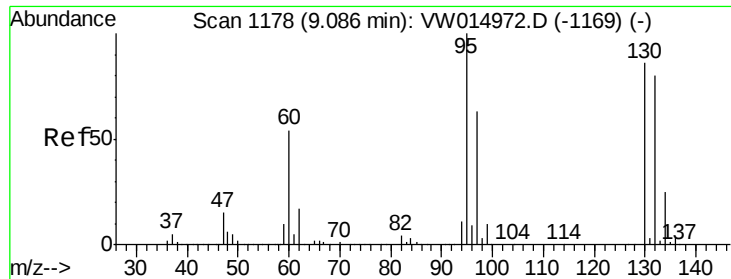
MMDadoda
2/14/2020 4:29:01 PM



#33
Benzene
Concen: 2.034 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion: 78 Resp: 102925





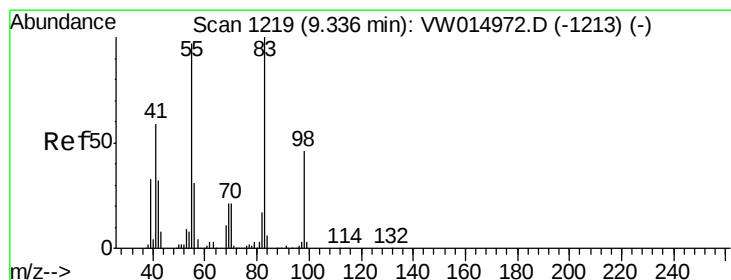
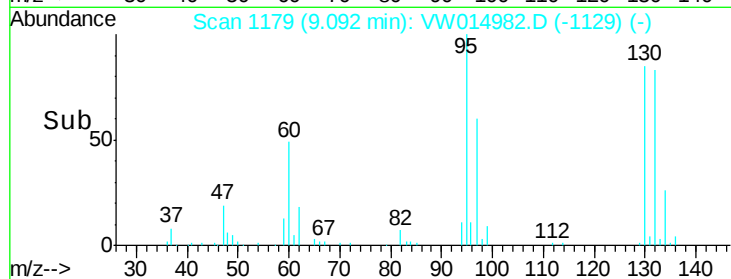
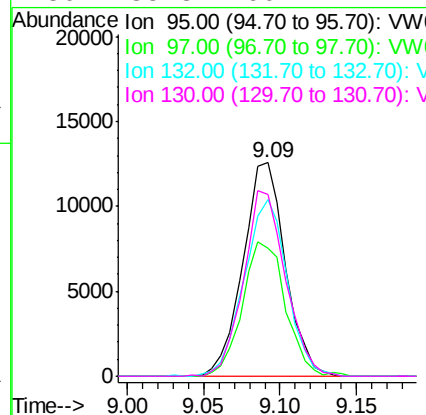
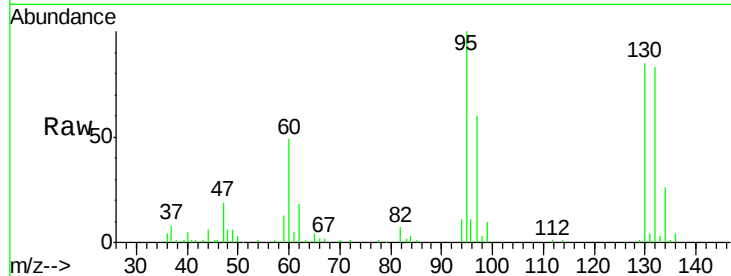
#34
 Trichloroethene
 Concen: 1.997 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	24205		
97	59.8		44.2	82.0
132	82.5		56.1	104.3
130	85.3		60.1	111.7

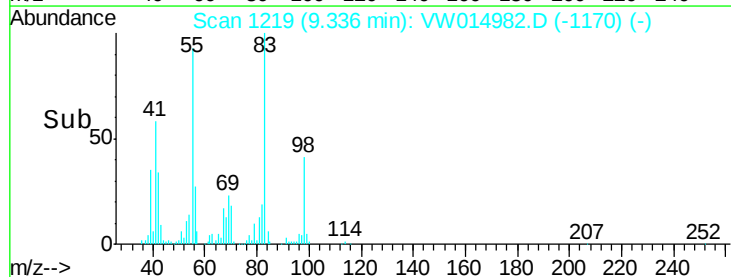
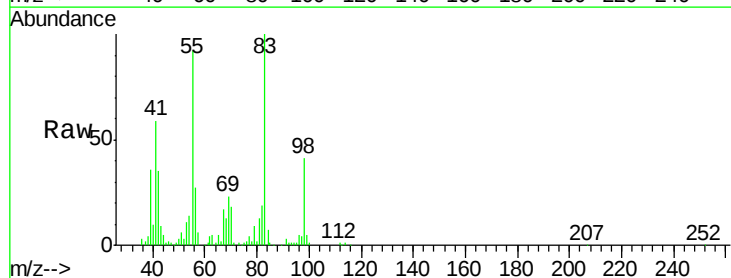
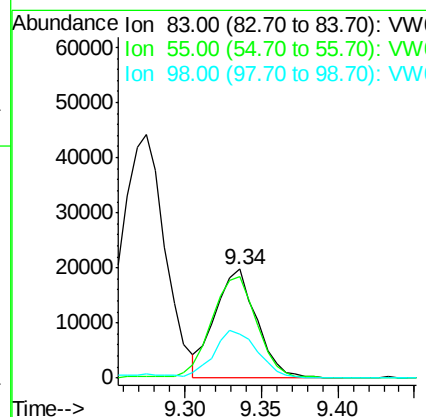
Manual Integrations
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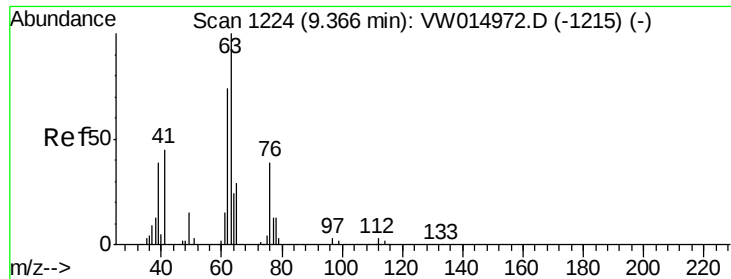
MMDadoda
 2/14/2020 4:29:01 PM



#35
 Methylcyclohexane
 Concen: 1.792 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	37458		
55	101.1		76.3	114.5
98	46.3		36.4	54.6





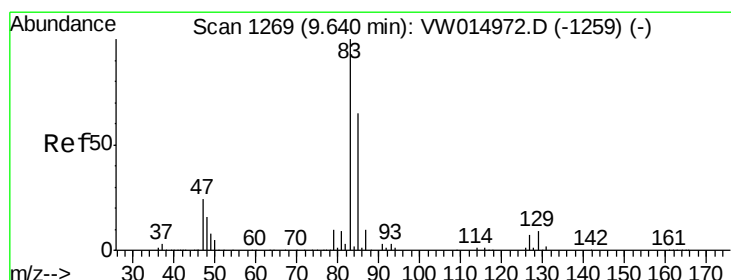
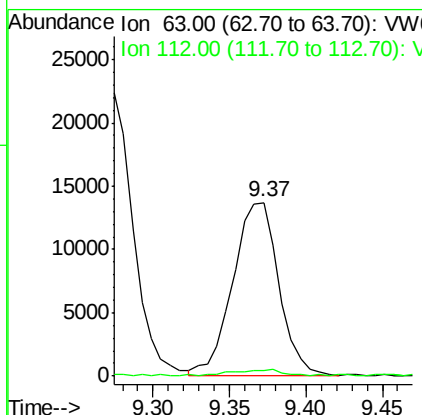
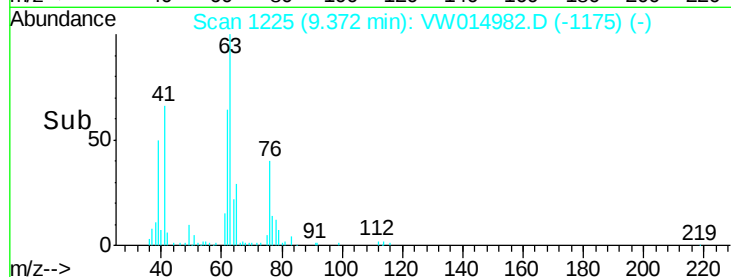
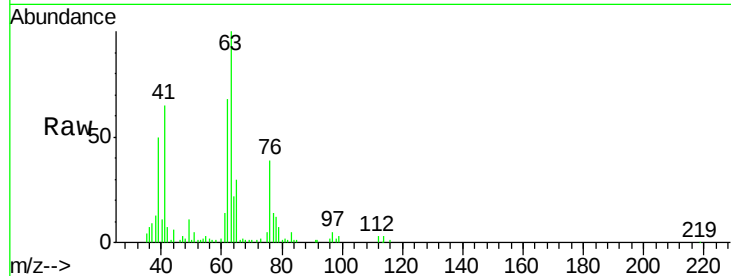
#37
 1,2-Dichloropropane
 Concen: 2.039 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion: 63 Resp: 28808
 Ion Ratio Lower Upper
 63 100
 112 4.4 2.6 4.0#

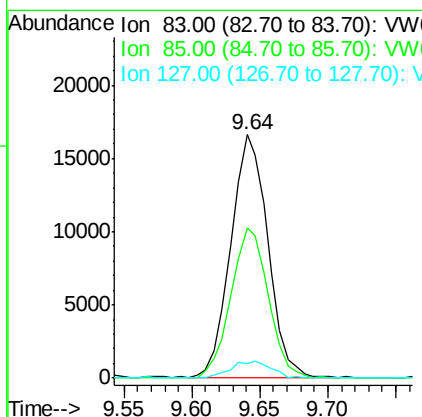
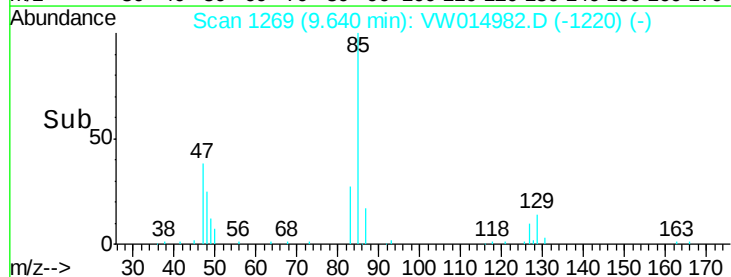
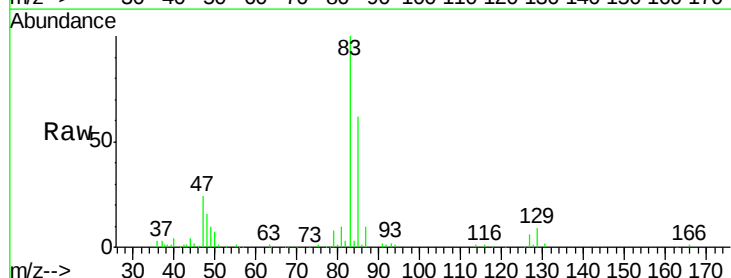
Manual Integrations
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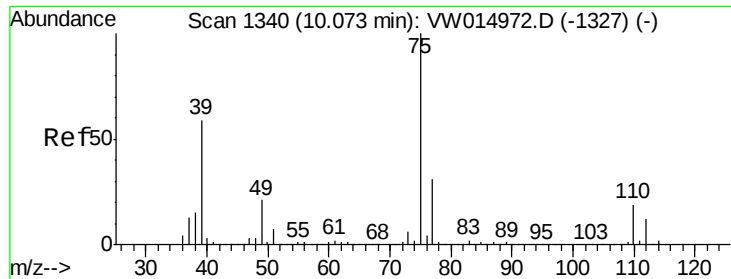
MMDadoda
 2/14/2020 4:29:01 PM



#38
 Bromodichloromethane
 Concen: 1.992 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion: 83 Resp: 31705
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.2 84.0
 127 6.1 5.5 8.3





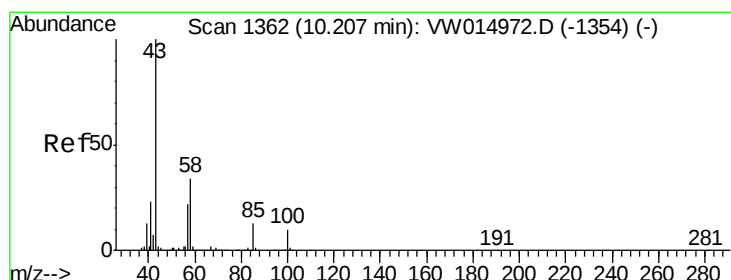
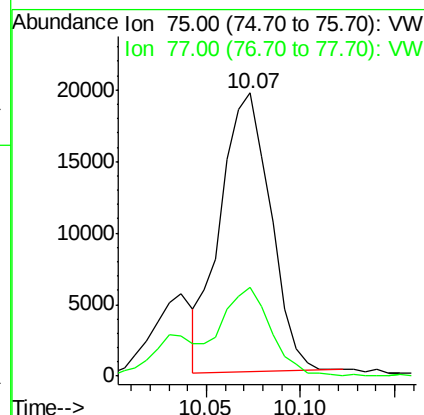
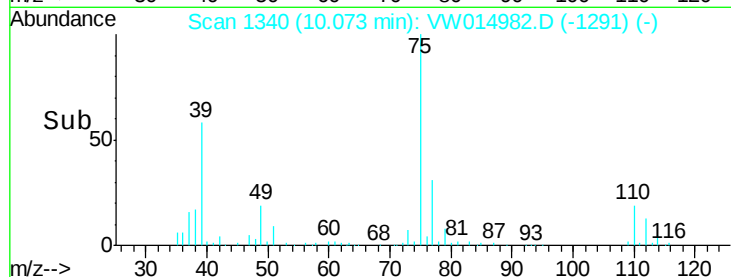
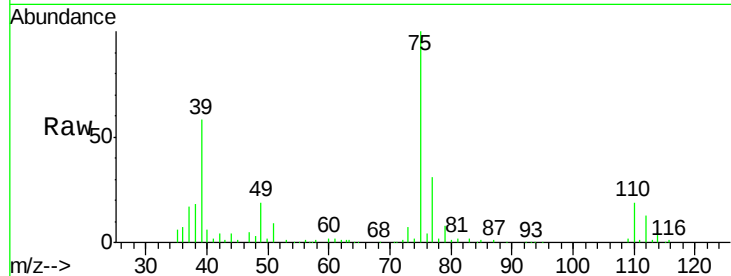
#39
 cis-1,3-Dichloropropene
 Concen: 1.913 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	21.6	40.2

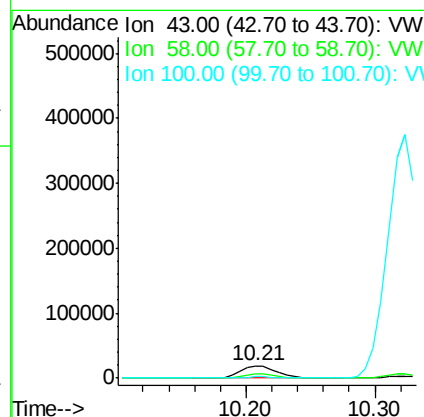
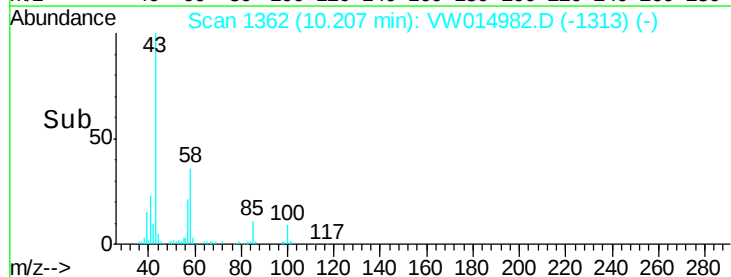
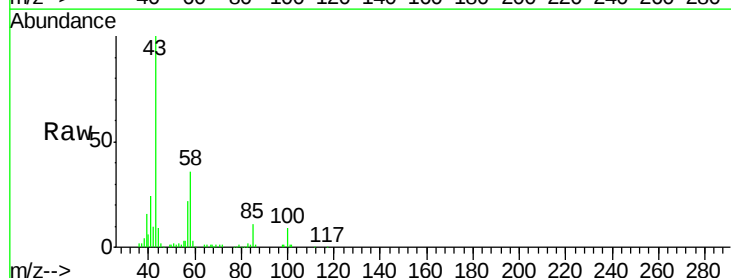
Manual Integrations
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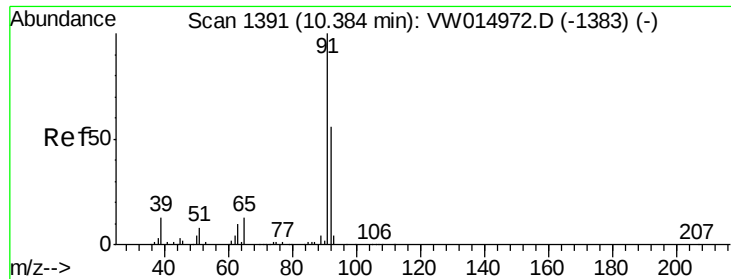
MMDadoda
 2/14/2020 4:29:01 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.627 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.7	41.5
100	10.3	8.6	13.0





#42

Toluene

Concen: 2.087 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 102051

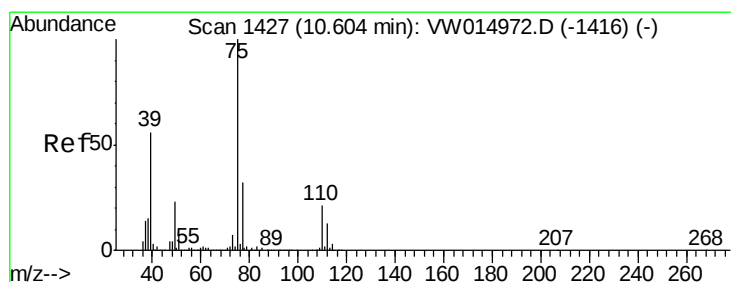
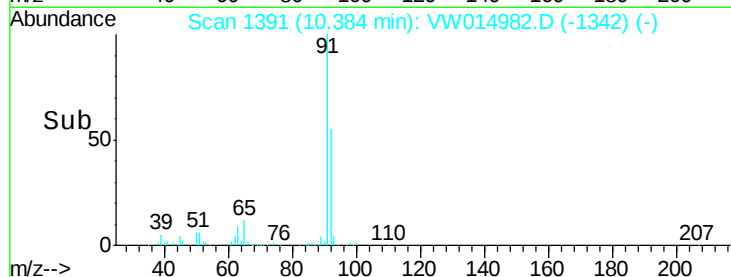
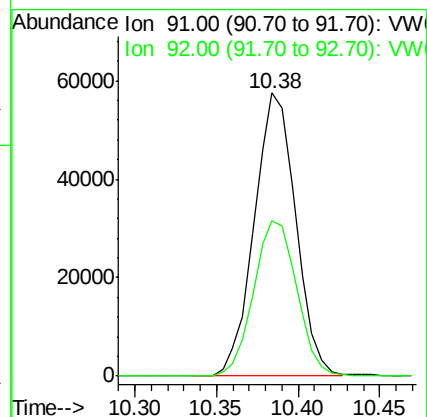
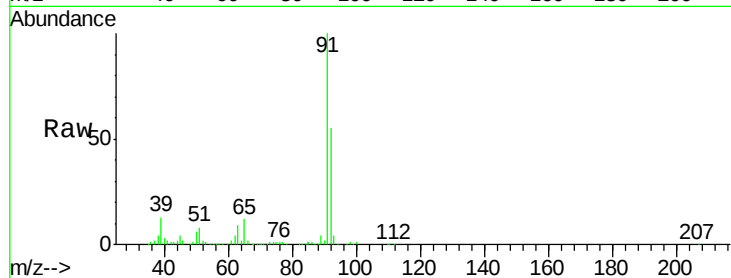
Ion Ratio Lower Upper

91 100

92 54.8 39.5 73.3

Manual Integrations
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MMDadoda
2/14/2020 4:29:01 PM



#44

trans-1,3-Dichloropropene

Concen: 2.019 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014982.D

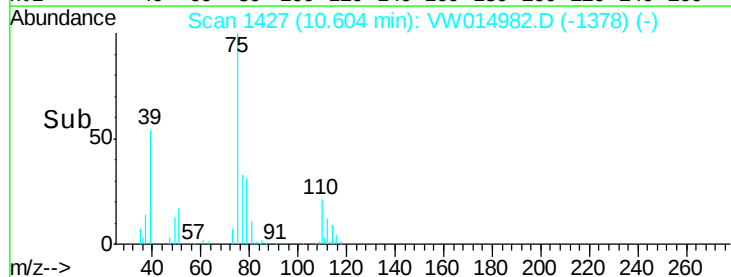
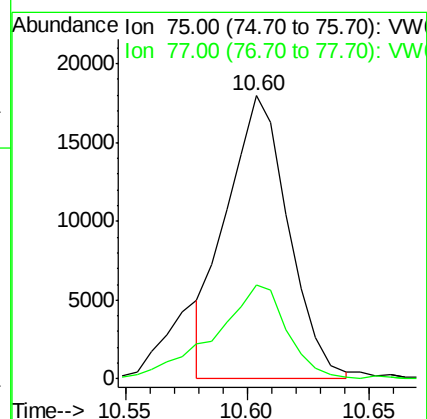
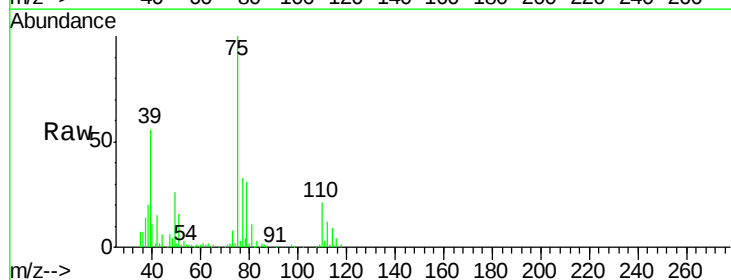
Acq: 13 Feb 2020 16:03

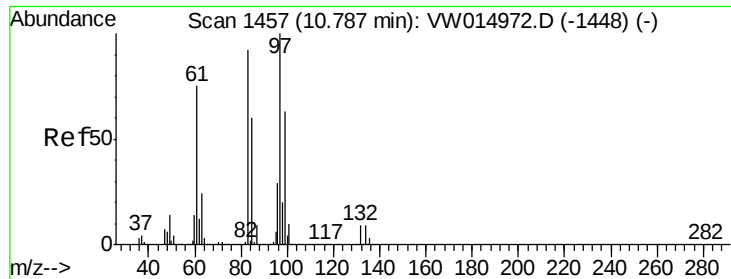
Tgt Ion: 75 Resp: 31670

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.1





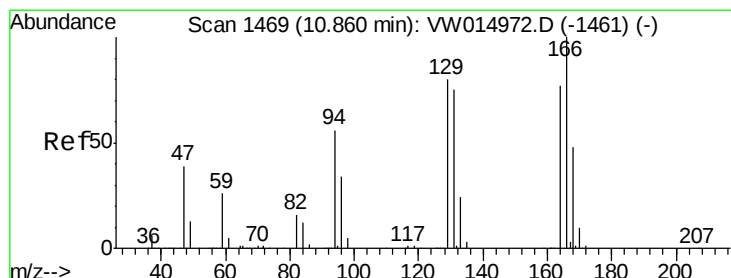
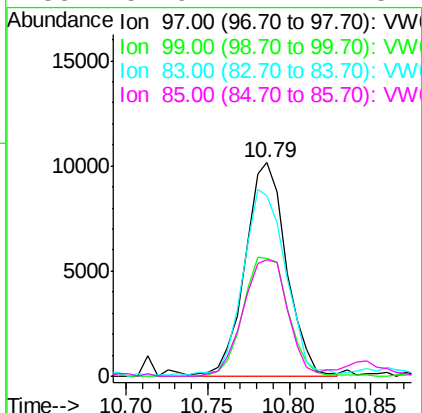
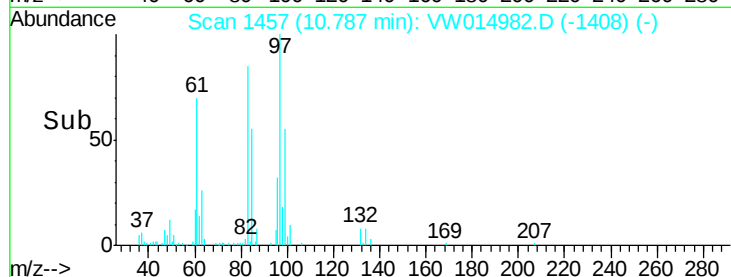
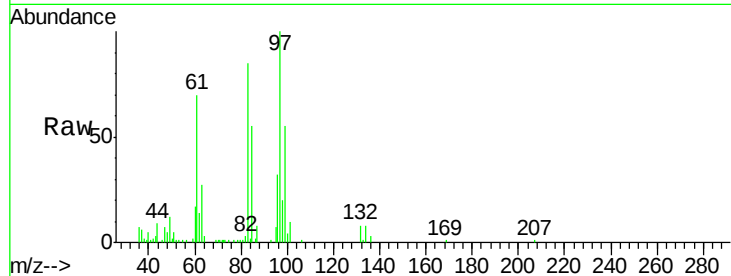
#45
 1,1,2-Trichloroethane
 Concen: 2.095 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion:	97	Resp:	17956
Ion	Ratio	Lower	Upper
97	100		
99	55.3	44.2	82.0
83	84.7	64.1	119.1
85	54.6	42.1	78.1

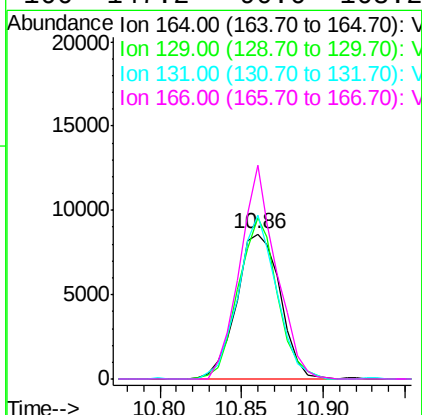
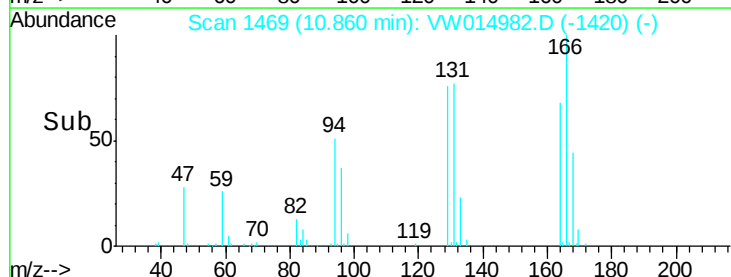
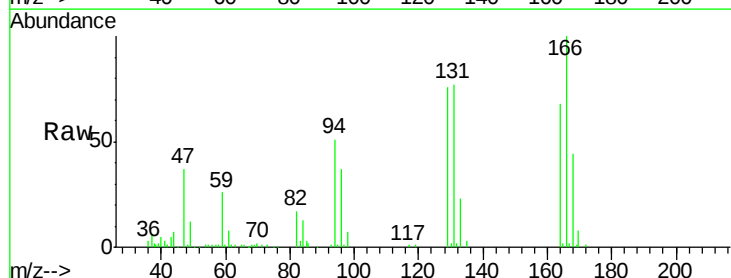
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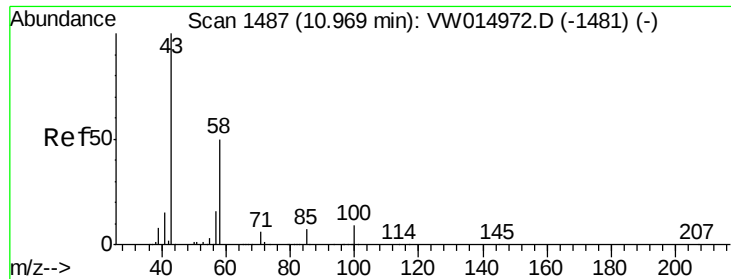
MMDadoda
 2/14/2020 4:29:01 PM



#46
 Tetrachloroethene
 Concen: 2.036 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion:	164	Resp:	16018
Ion	Ratio	Lower	Upper
164	100		
129	111.4	72.2	134.2
131	113.3	68.1	126.5
166	147.2	90.6	168.2





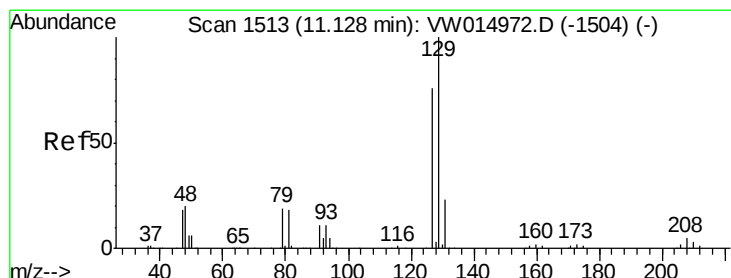
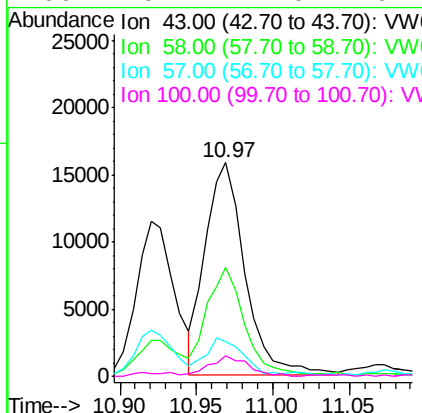
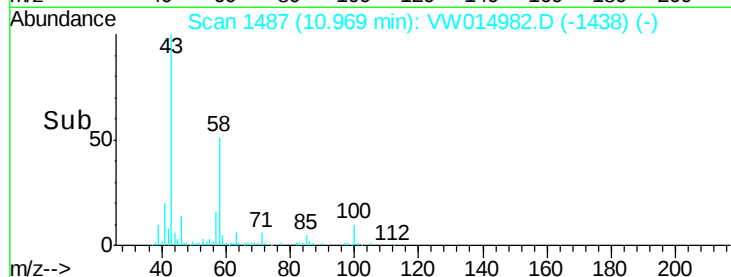
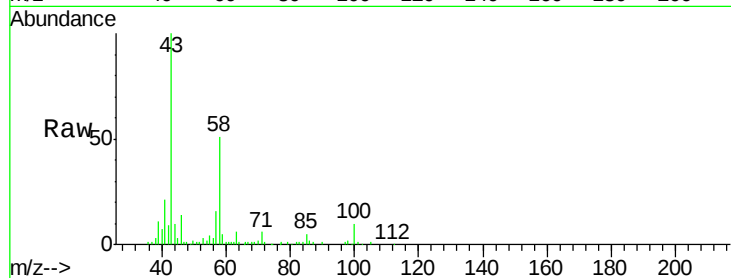
#48
2-Hexanone
Concen: 3.918 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.2	58.8
57	15.4	13.1	19.7
100	9.1	7.0	10.4

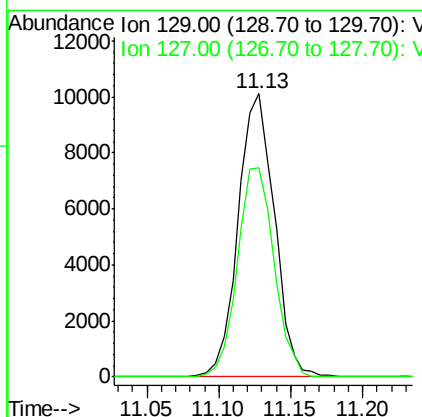
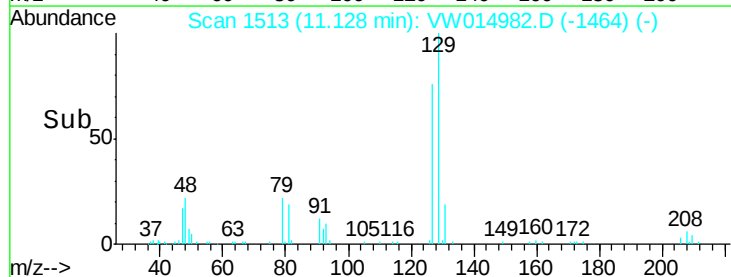
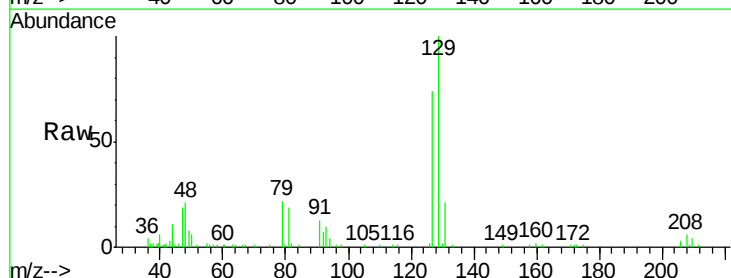
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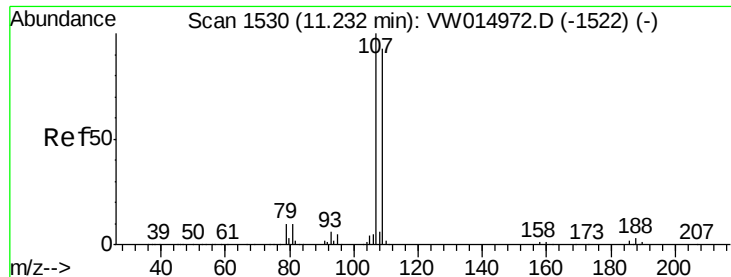
MMDadoda
2/14/2020 4:29:01 PM



#49
Dibromochloromethane
Concen: 1.979 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.0	53.0	98.4





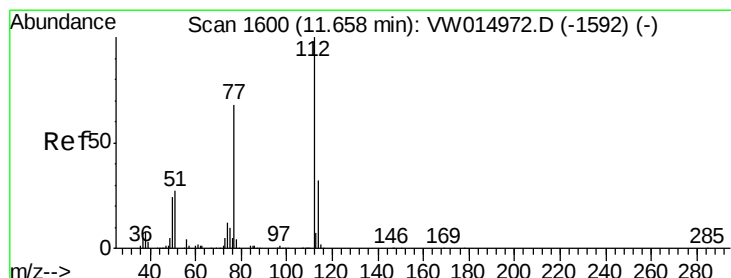
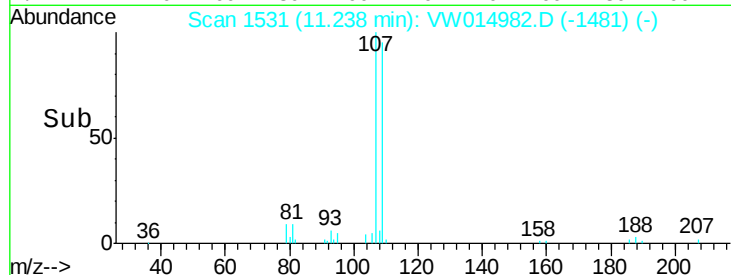
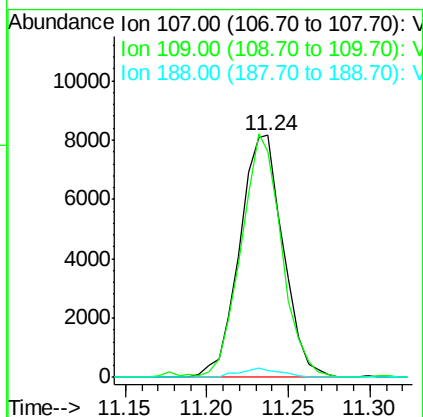
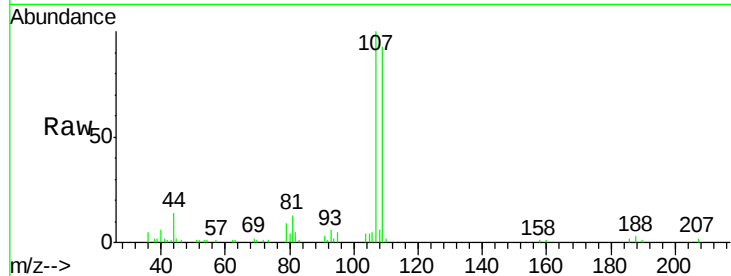
#50
1,2-Dibromoethane
Concen: 1.955 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.1	120.9
188	3.0	2.4	3.6

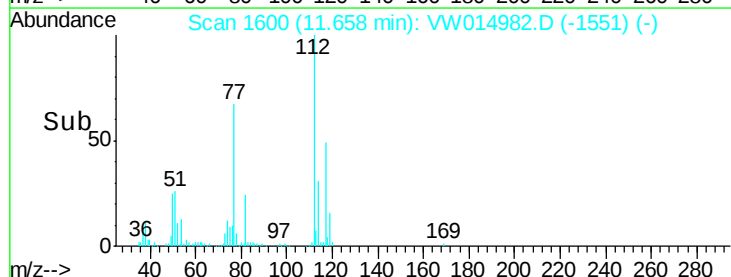
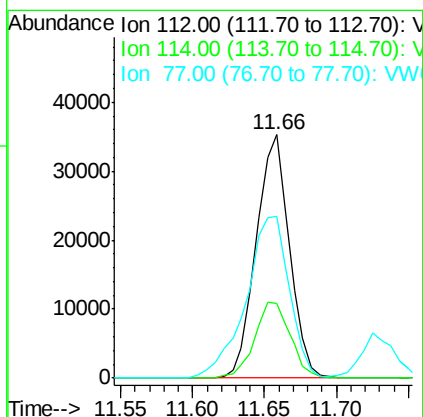
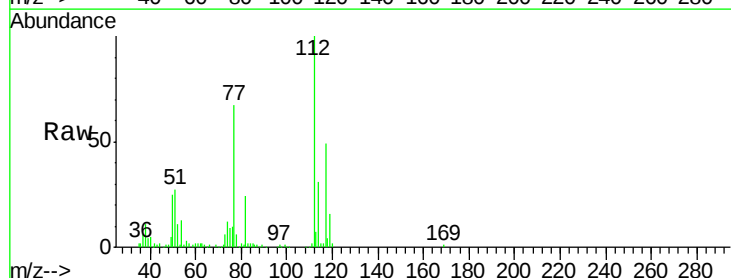
Manual Integrations
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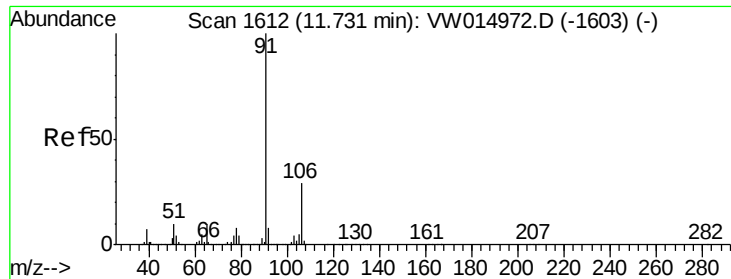
MMDadoda
2/14/2020 4:29:01 PM



#51
Chlorobenzene
Concen: 1.952 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.6	42.0
77	66.5	54.6	82.0





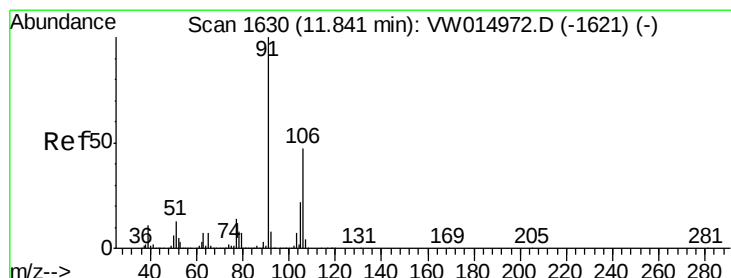
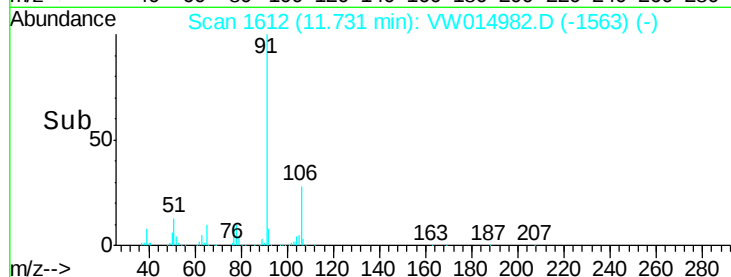
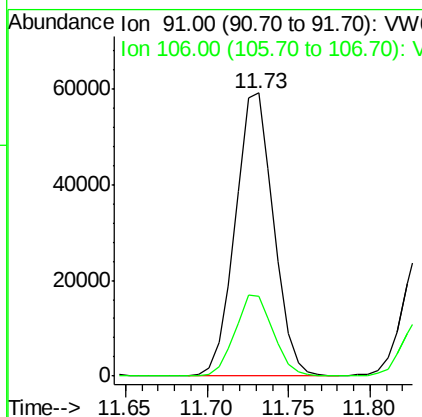
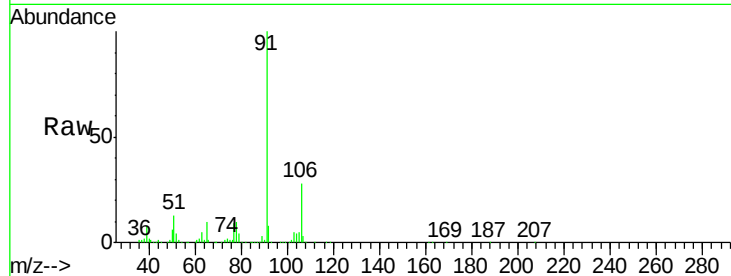
#52
Ethylbenzene
Concen: 1.819 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion: 91 Resp: 96859
Ion Ratio Lower Upper
91 100
106 28.4 20.2 37.4

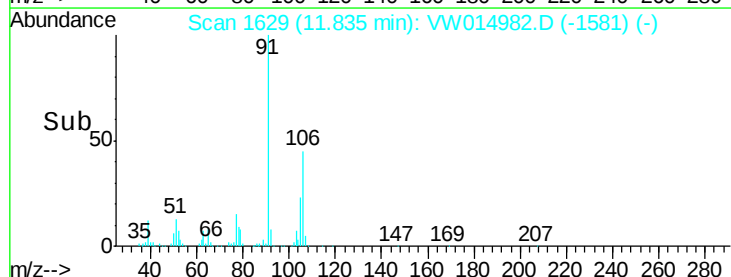
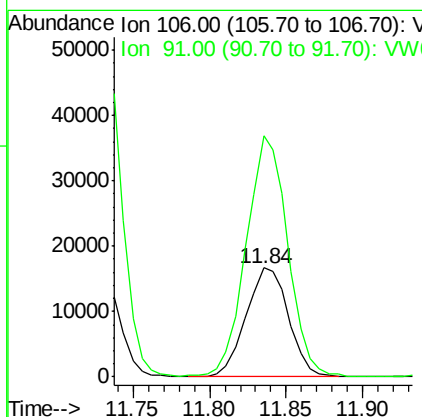
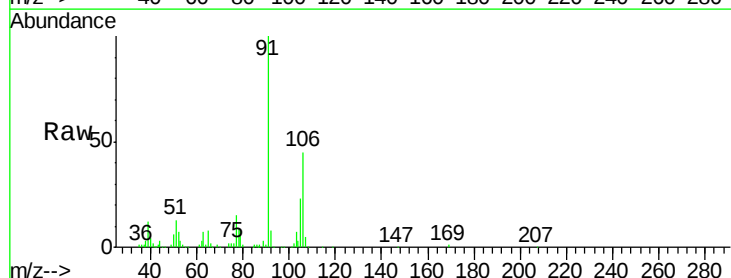
Manual Integrations
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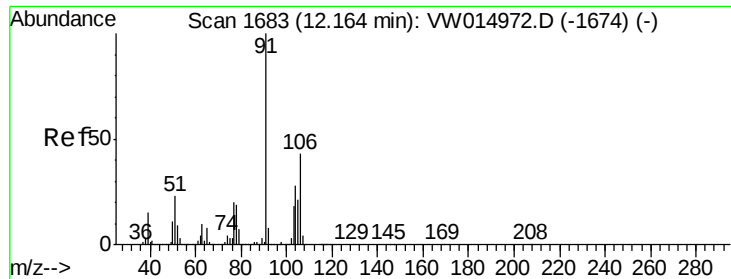
MMDadoda
2/14/2020 4:29:01 PM



#53
m,p-Xylene
Concen: 1.730 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion: 106 Resp: 32327
Ion Ratio Lower Upper
106 100
91 220.8 149.2 277.2





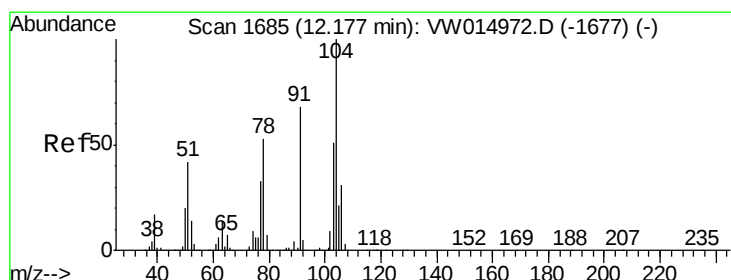
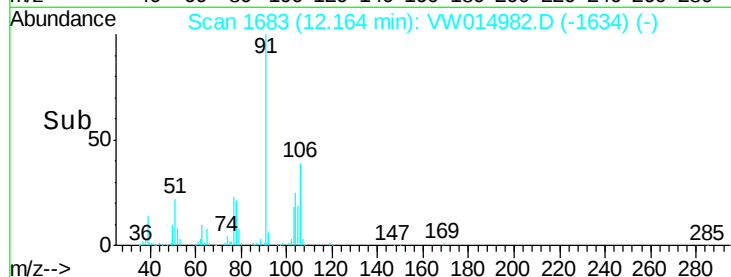
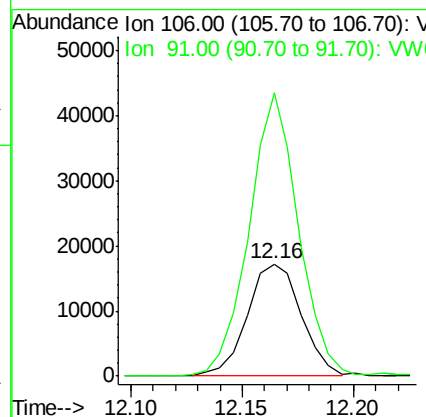
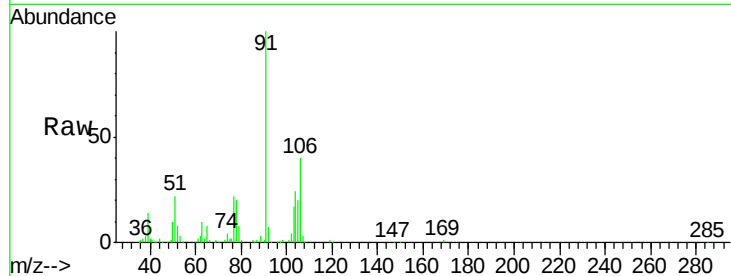
#54
o-Xylene
Concen: 1.654 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion:106 Resp: 29016
Ion Ratio Lower Upper
106 100
91 252.2 163.7 304.1

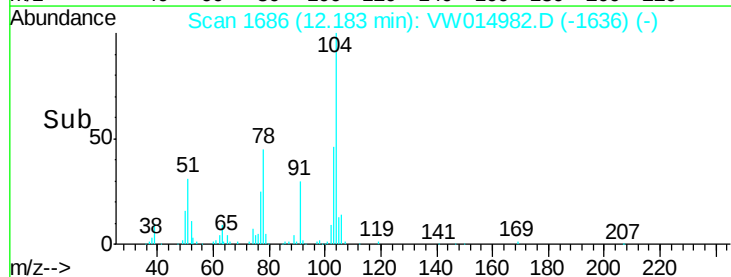
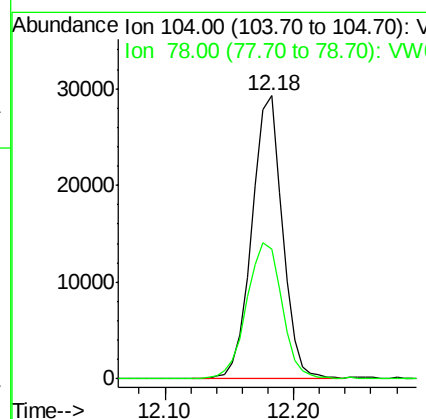
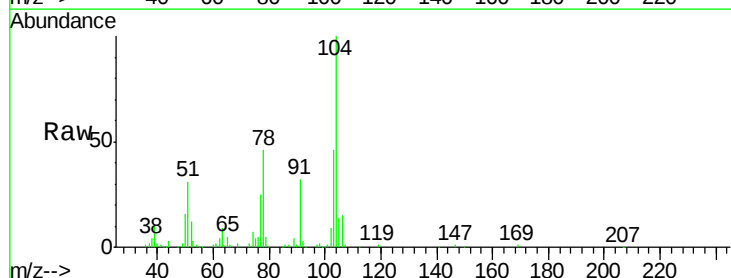
Manual Integrations
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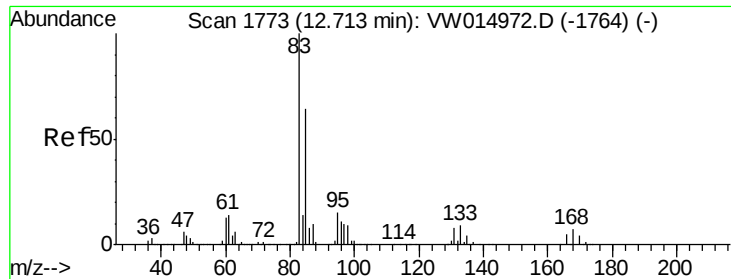
MMDadoda
2/14/2020 4:29:01 PM



#55
Styrene
Concen: 1.579 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion:104 Resp: 47771
Ion Ratio Lower Upper
104 100
78 45.7 36.8 68.4





#57

1,1,2,2-Tetrachloroethane

Concen: 2.071 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

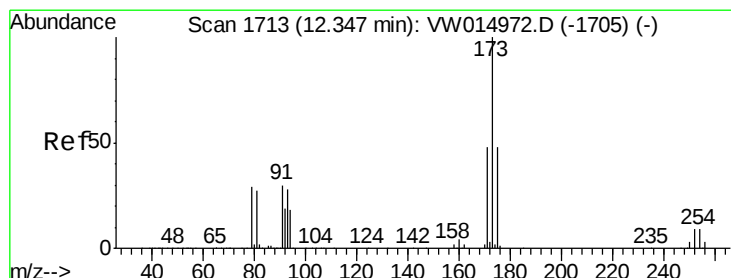
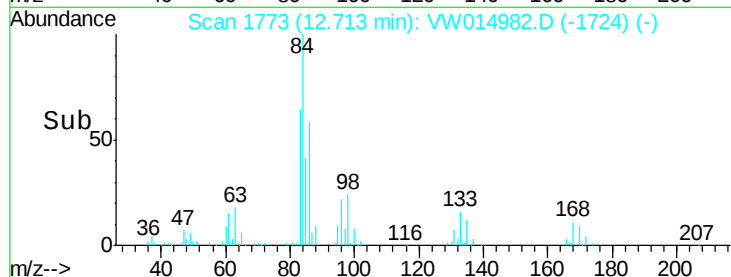
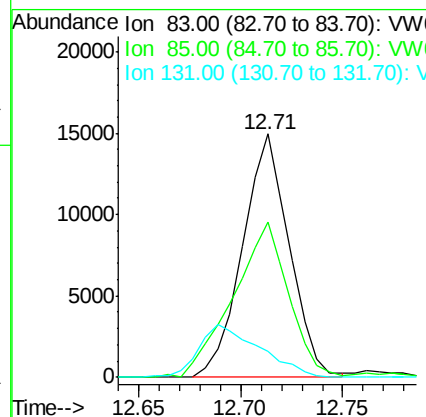
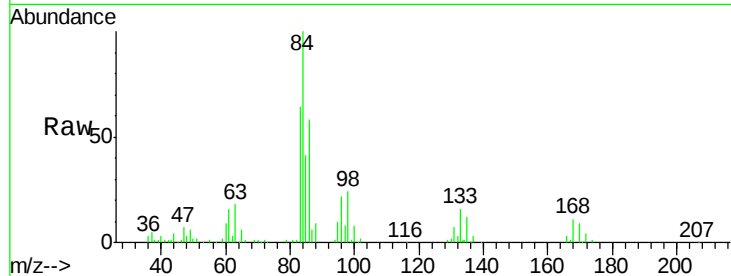
ClientSampleId :

MDL01

Tot Ion:	83	Resp:	23757
Ion Ratio	Lower	Upper	
83	100		
85	63.8	44.9	83.5
131	10.8	6.2	9.2#

Manual Integrations
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MMDadoda
2/14/2020 4:29:01 PM



#59

Bromoform

Concen: 1.989 ug/L

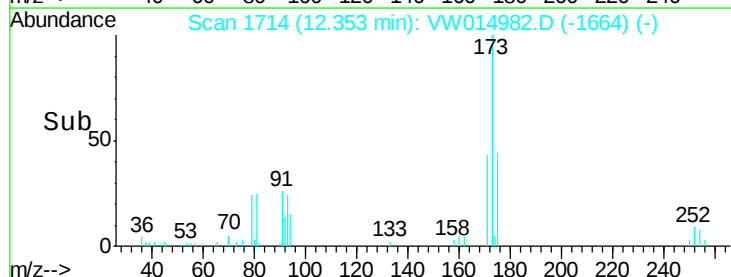
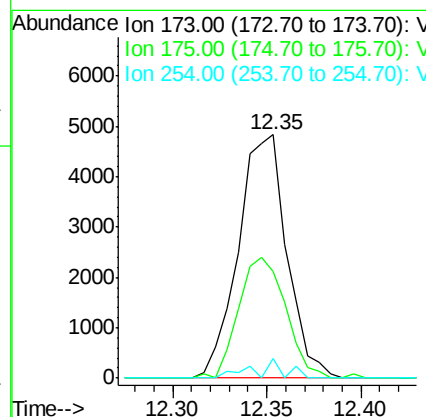
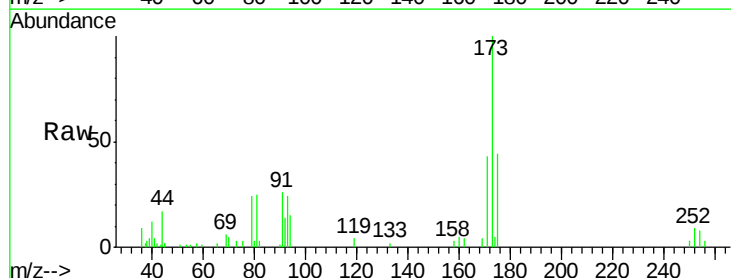
RT: 12.35 min Scan# 1714

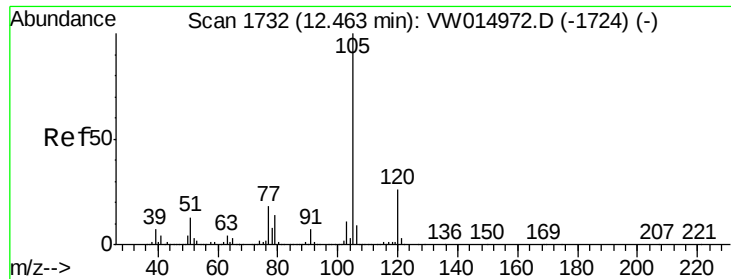
Delta R.T. 0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Tgt Ion:	173	Resp:	8634
Ion Ratio	Lower	Upper	
173	100		
175	47.8	39.0	58.4
254	1.7	7.1	10.7#





#60

Isopropylbenzene

Concen: 1.709 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

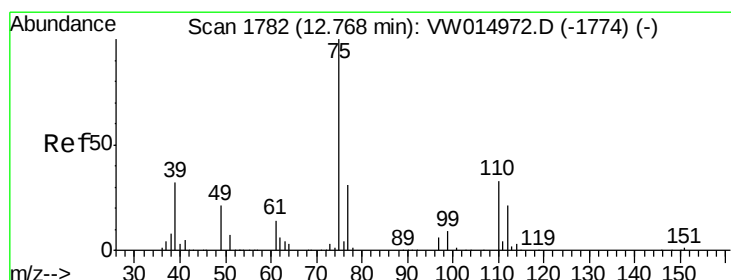
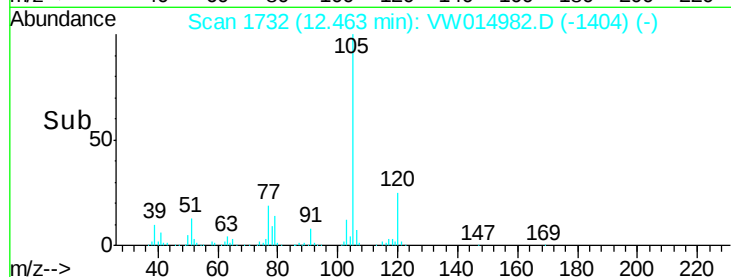
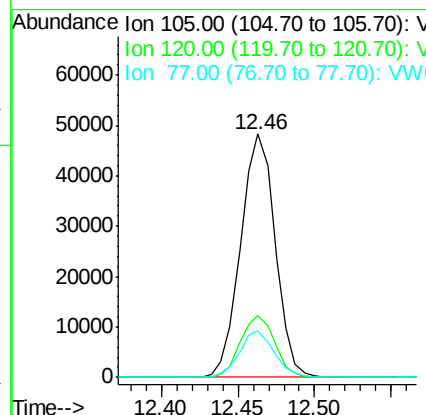
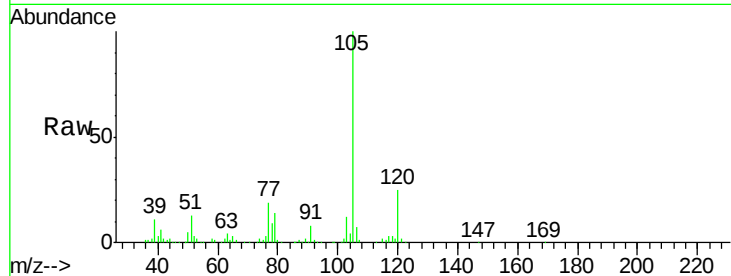
ClientSampled :

MDL01

Tot Ion:	105	Resp:	75934
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.1	30.1
77	19.4	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 2.168 ug/L

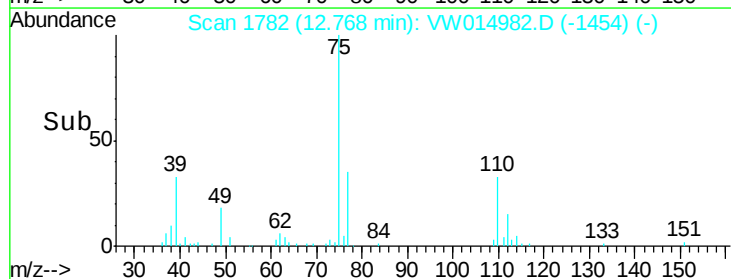
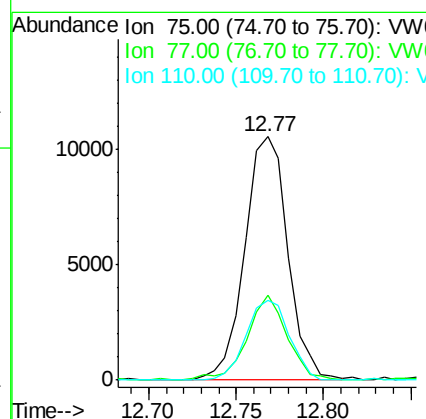
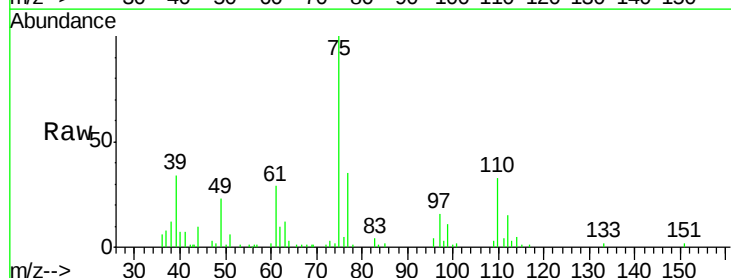
RT: 12.77 min Scan# 1782

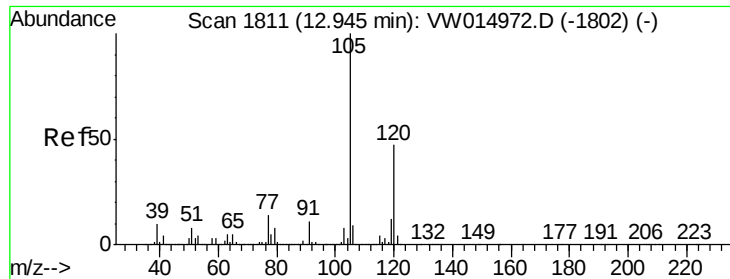
Delta R.T. -0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Tgt Ion:	75	Resp:	18037
Ion Ratio	Lower	Upper	
75	100		
77	32.4	25.8	38.6
110	33.0	26.6	39.8





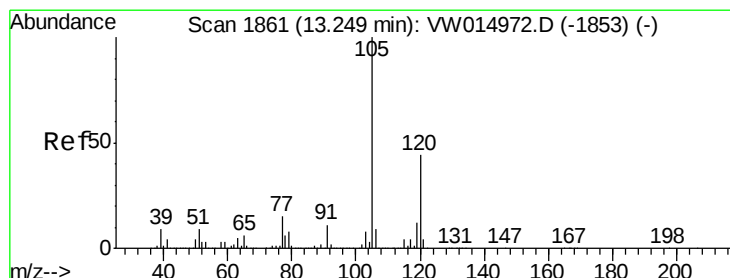
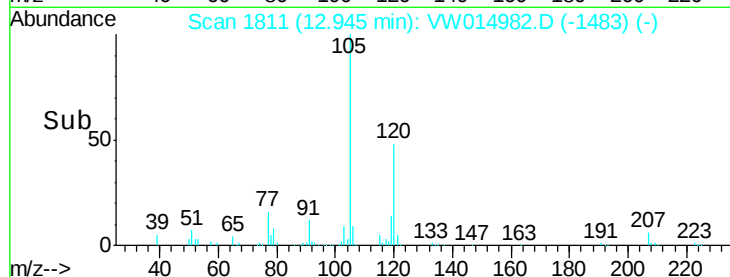
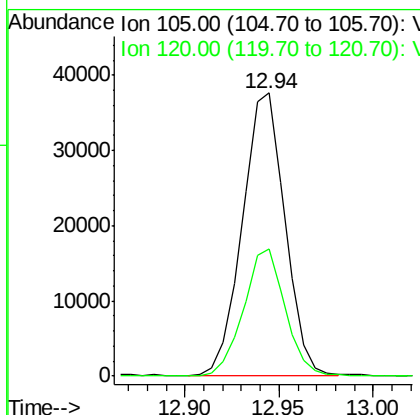
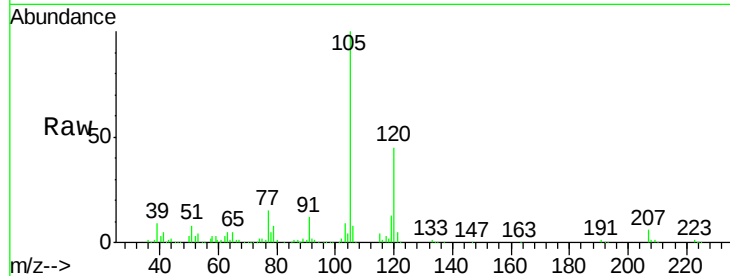
#62
 1,3,5-Trimethylbenzene
 Concen: 1.666 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion:105 Resp: 59028
 Ion Ratio Lower Upper
 105 100
 120 43.7 37.4 56.0

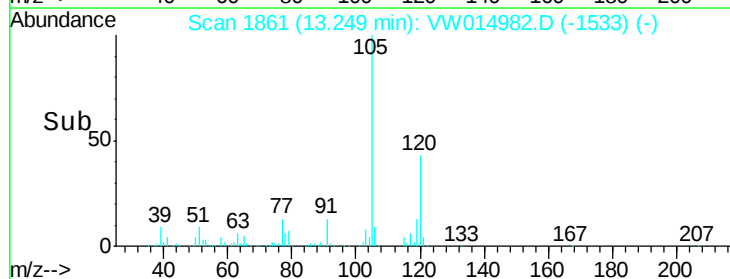
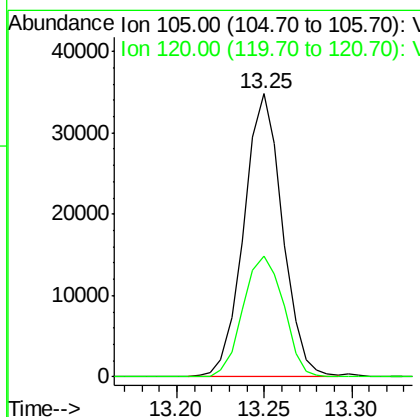
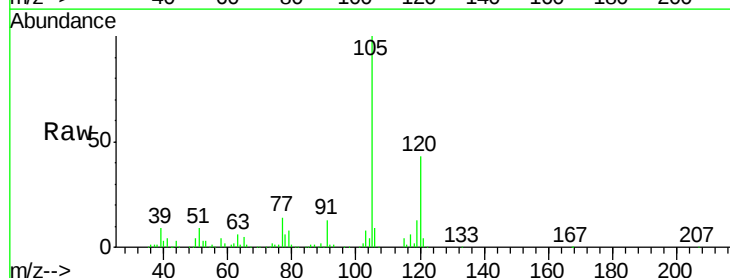
Manual Integrations
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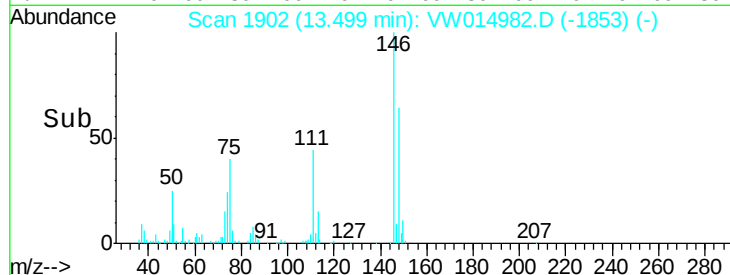
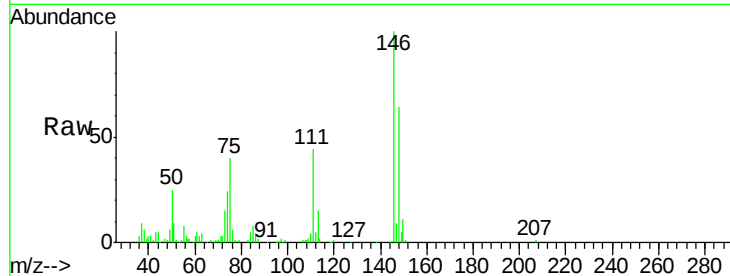
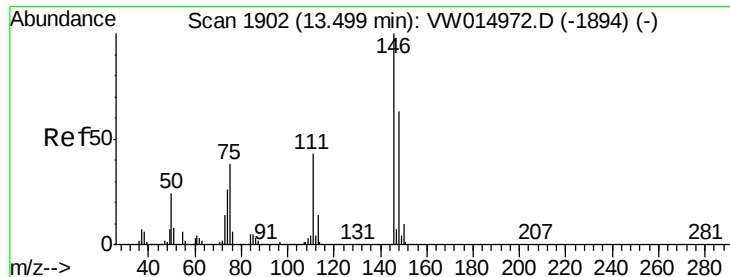
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.540 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion:105 Resp: 53394
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.0 52.4





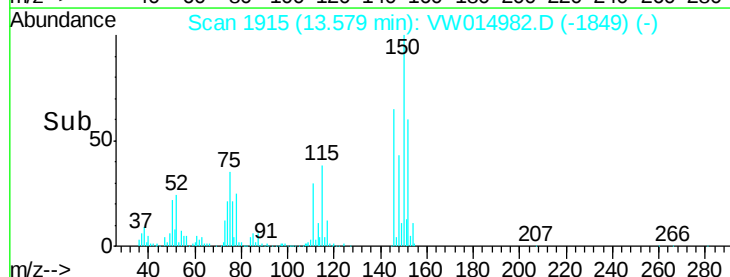
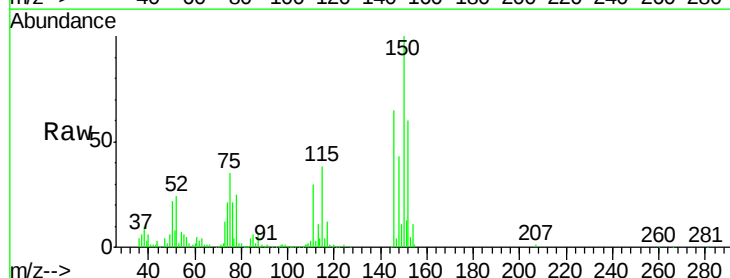
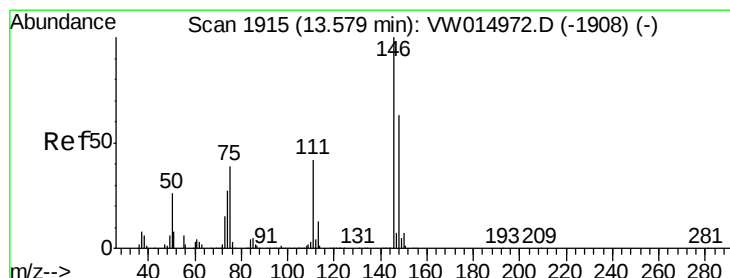
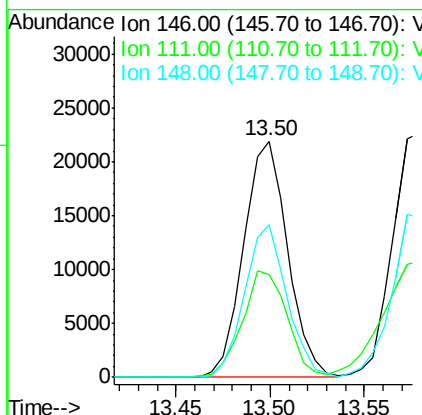
#64
1,3-Dichlorobenzene
Concen: 1.939 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	35526		
111	43.6		30.2	56.0
148	64.4		44.2	82.2

Instrument :
MSVOA_W
ClientSampleId :
MDL01

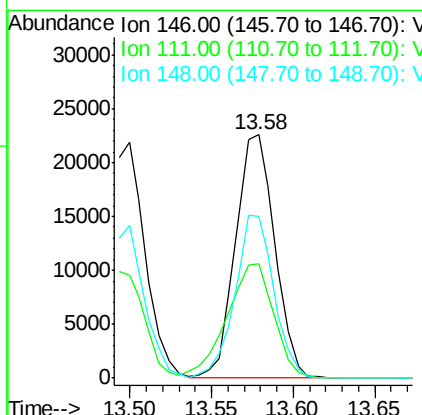
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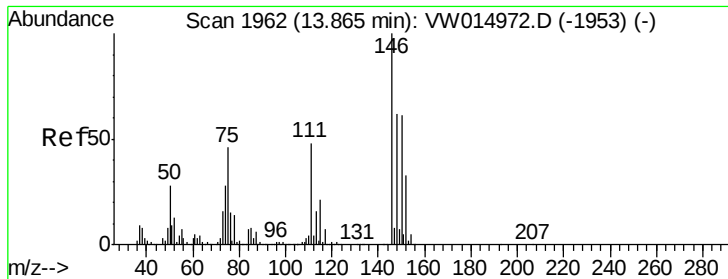
MMDadoda
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#65
1,4-Dichlorobenzene
Concen: 2.011 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	37972		
111	47.0		29.5	54.9
148	66.5		43.8	81.3





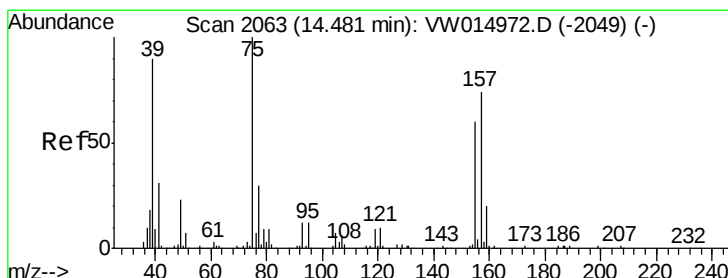
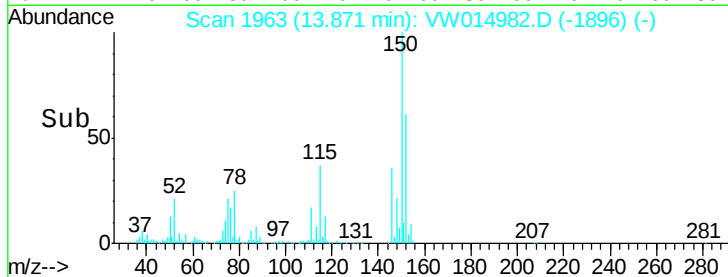
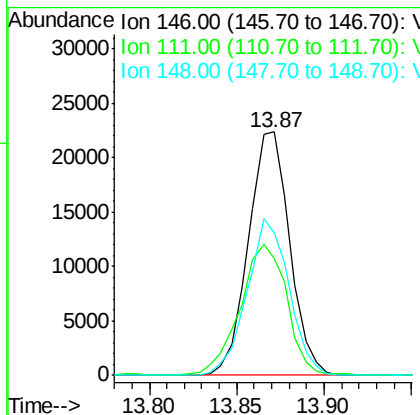
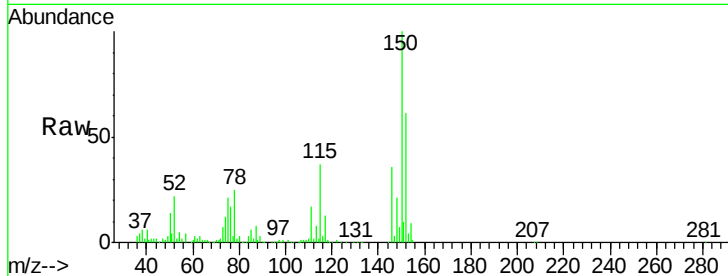
#67
 1,2-Dichlorobenzene
 Concen: 2.180 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	38.0	57.0
148	58.4	49.5	74.3

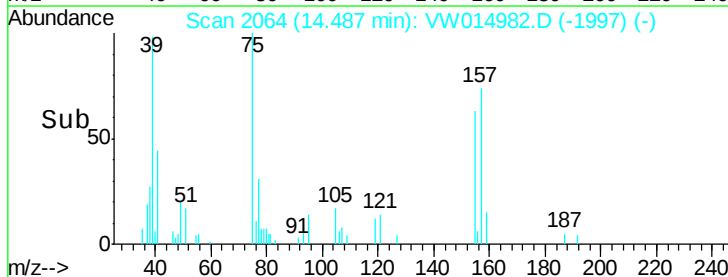
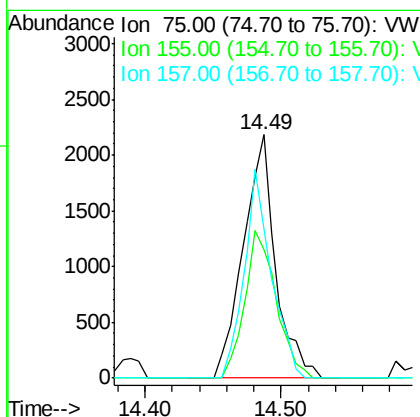
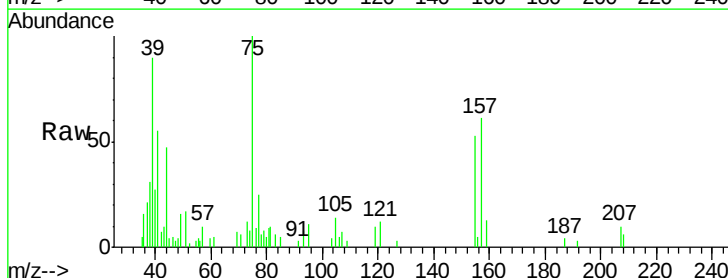
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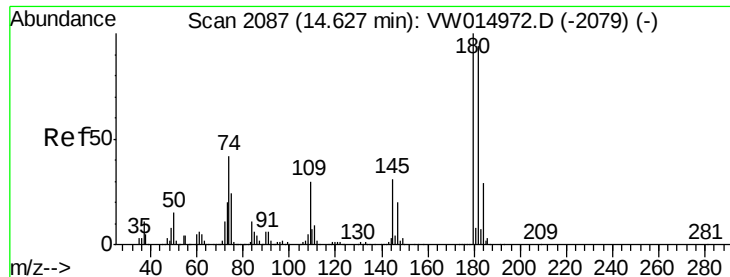
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.072 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	52.5	48.0	72.0
157	61.1	59.4	89.0





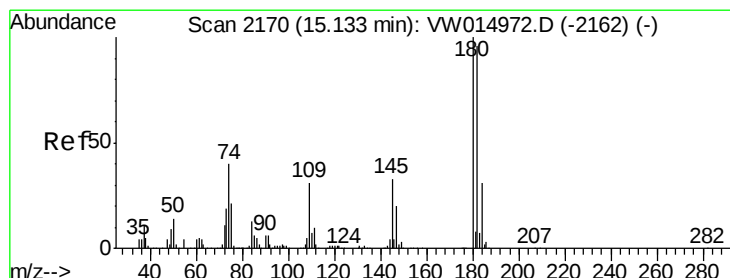
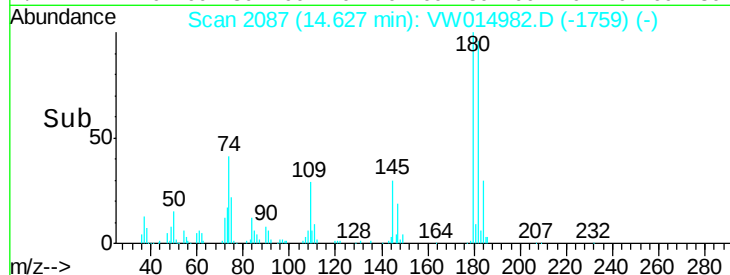
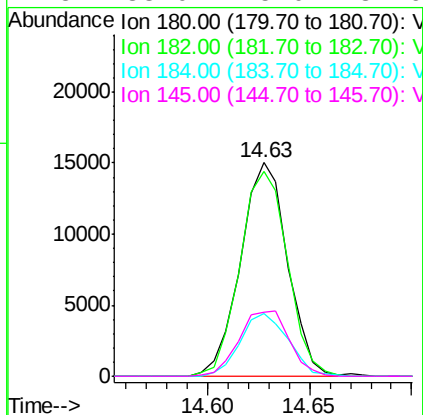
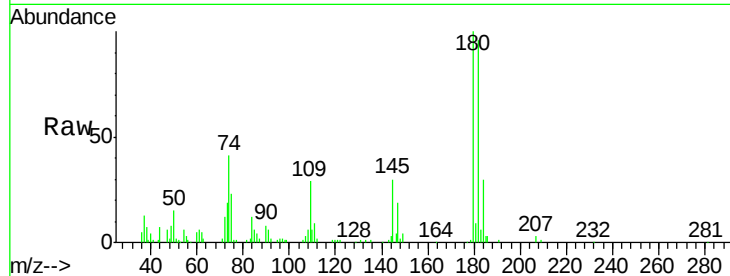
#69
 1,3,5-Trichlorobenzene
 Concen: 1.962 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	24093		
182	96.9		76.5	114.7
184	29.8		24.2	36.2
145	33.0		25.0	37.6

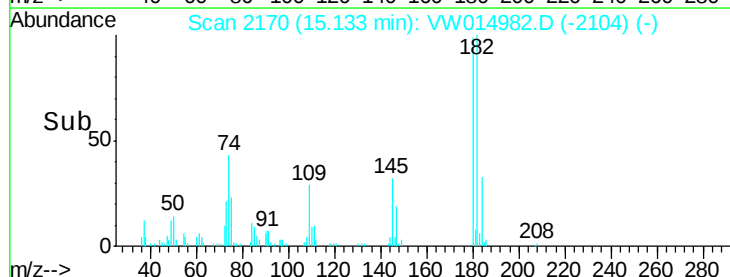
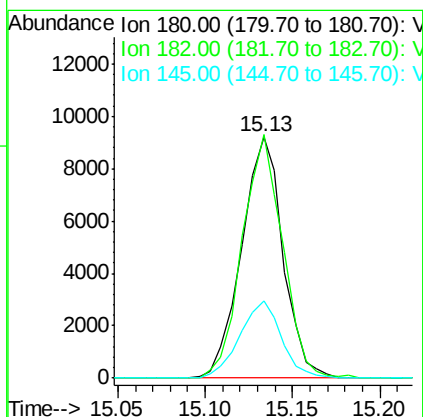
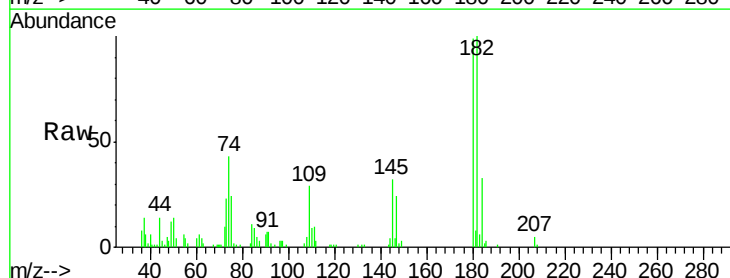
Manual Integrations
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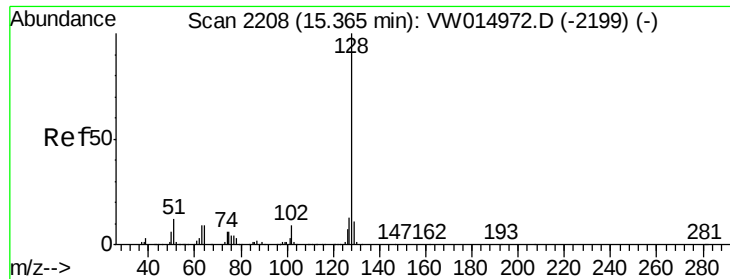
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#70
 1,2,4-trichlorobenzene
 Concen: 1.650 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15184		
182	97.8		76.2	114.4
145	32.0		26.2	39.4





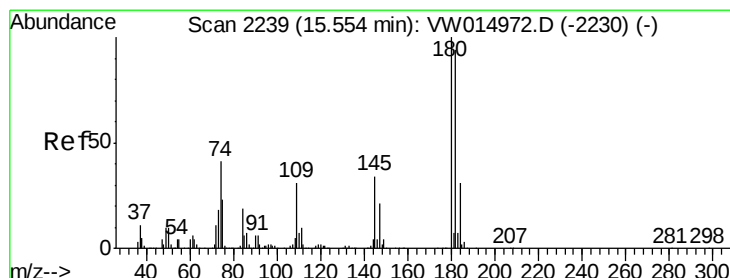
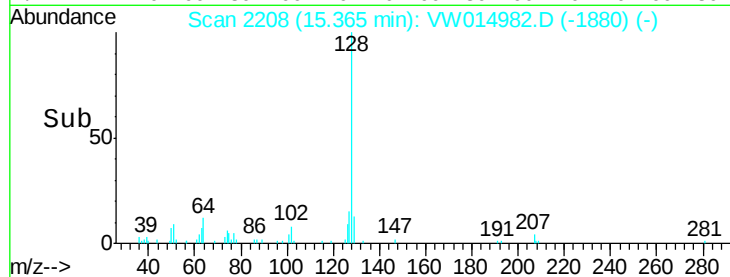
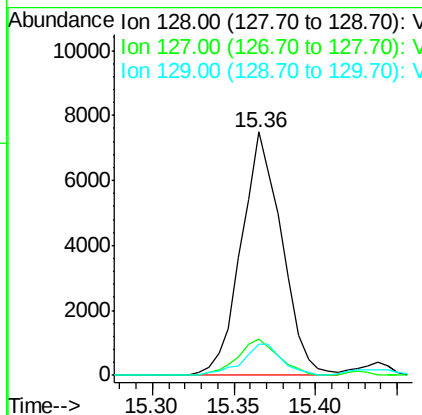
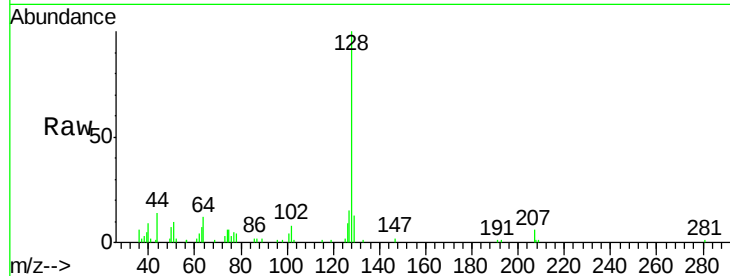
#71
Naphthalene
Concen: 1.371 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.5	15.7
129	12.5	8.6	12.8

Manual Integrations
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2/14/2020 4:29:01 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.692 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.2	112.8
145	36.4	27.0	40.6

