

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016462.D
 Acq On : 04 Sep 2020 14:06
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:14:42 AM

Quant Time: Sep 08 01:10:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 00:59:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	697904	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	619615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	293521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	176871	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
7) Chloroethane-d5	2.90	69	166721	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.32%
10) 1,1-Dichloroethene-d2	4.03	63	282108	16.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.28%
20) 2-Butanone-d5	7.09	46	121793	46.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.12%
24) Chloroform-d	7.65	84	392139	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	8.31	65	220459	24.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.64%
29) Benzene-d6	8.28	84	799699	25.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.56%
33) 1,2-Dichloropropane-d6	9.28	67	229006	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.00%
37) Toluene-d8	10.33	98	762198	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.84%
38) trans-1,3-Dichloropropene-	10.58	79	117074	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.28%
39) 2-Hexanone-d5	10.93	63	96927	51.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	202077	25.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	265680	26.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	6203	0.794 ug/L	93
3) Chloromethane	2.22	50	5876	0.857 ug/L	100
5) Vinyl chloride	2.37	62	8180	0.937 ug/L #	38
6) Bromomethane	2.79	94	5386	0.825 ug/L	98
8) Chloroethane	2.94	64	5282	0.983 ug/L	91
9) Trichlorofluoromethane	3.26	101	4747	0.664 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	9667m	1.143 ug/L	
12) 1,1-Dichloroethene	4.05	96	9269	1.078 ug/L #	1
13) Acetone	4.13	43	4862m	2.865 ug/L	
14) Carbon disulfide	4.40	76	19258	0.733 ug/L	100
15) Methyl Acetate	4.68	43	3329m	0.809 ug/L	
16) Methylene chloride	4.93	84	25065	2.301 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	10305	0.799 ug/L #	80
18) trans-1,2-Dichloroethene	5.43	96	7376	0.807 ug/L	97
19) 1,1-Dichloroethane	6.23	63	11921	0.767 ug/L	94
21) 2-Butanone	7.15	43	9912m	3.480 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	7259	0.763 ug/L	82

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 ClientSampleId :
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Manual Integrations
 APPROVED

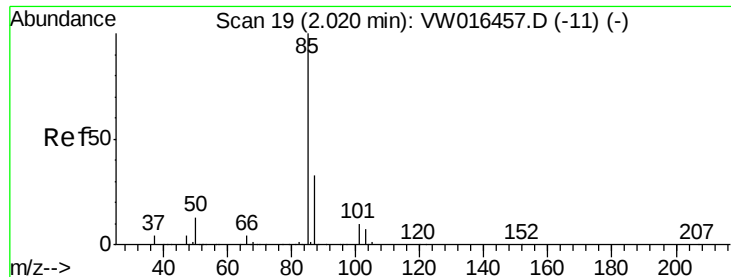
MMDadoda
 9/8/2020 10:14:42 AM

Quant Time: Sep 08 01:10:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 00:59:16 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.52	128	3404	0.772	ug/L	80
25) Chloroform	7.68	83	14431	0.897	ug/L #	63
27) 1,2-Dichloroethane	8.41	62	8763	0.818	ug/L	99
30) Cyclohexane	7.96	56	11599	0.784	ug/L #	91
31) 1,1,1-Trichloroethane	7.88	97	10692	0.797	ug/L	97
32) Carbon tetrachloride	8.07	117	10999	0.857	ug/L	92
34) Benzene	8.33	78	28608	0.844	ug/L	100
35) Trichloroethene	9.10	95	7369	0.785	ug/L	96
36) Methylcyclohexane	9.34	83	13391	0.815	ug/L	95
40) 1,2-Dichloropropane	9.38	63	6383	0.762	ug/L #	93
41) Bromodichloromethane	9.65	83	9307	0.795	ug/L	93
42) cis-1,3-Dichloropropene	10.07	75	9342	0.657	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	15379	2.593	ug/L	92
44) Toluene	10.39	91	31212	0.823	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	8869	0.698	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	5447	0.820	ug/L	91
47) Tetrachloroethene	10.87	164	6364	0.846	ug/L	93
49) 2-Hexanone	10.98	43	5867	1.420	ug/L	96
50) Dibromochloromethane	11.13	129	6444	0.768	ug/L	91
51) 1,2-Dibromoethane	11.24	107	5419	0.817	ug/L	85
52) Chlorobenzene	11.66	112	19550	0.813	ug/L	95
53) Ethylbenzene	11.73	91	33725	0.790	ug/L	94
54) m,p-Xylene	11.85	106	13620	0.835	ug/L	89
55) o-xylene	12.17	106	12226	0.786	ug/L	94
56) Styrene	12.18	104	20859	0.781	ug/L	97
57) Isopropylbenzene	12.47	105	35242	0.828	ug/L #	90
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	7455	0.942	ug/L #	84
59) 1,2,3-Trichloropropane	12.77	75	4677	0.791	ug/L	99
62) Bromoform	12.35	173	3656	0.742	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	14569	0.788	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	14430	0.788	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	13807	0.841	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1279	0.836	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.63	180	9886	0.776	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	8028	0.729	ug/L	98
69) Naphthalene	15.37	128	15620	0.672	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	6663	0.704	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.794 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion: 85 Resp: 6203

Ion Ratio Lower Upper

85 100

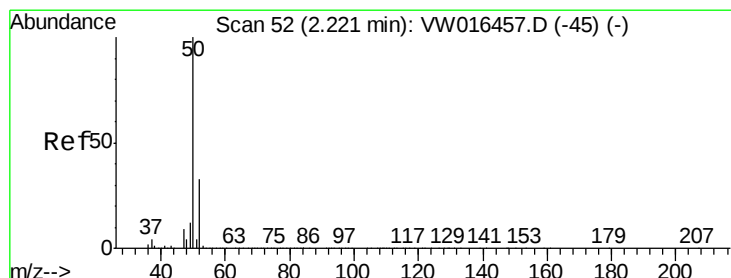
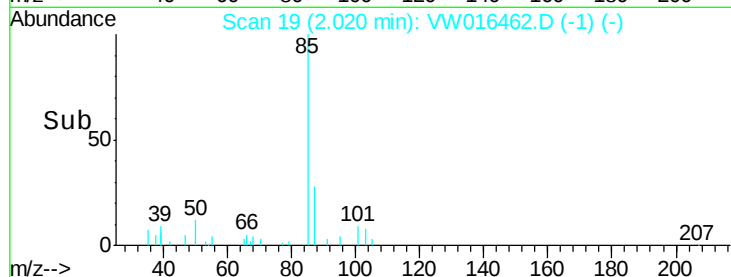
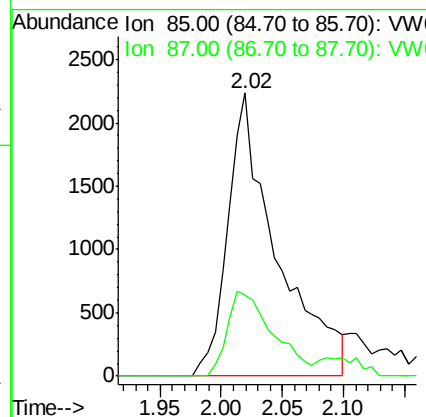
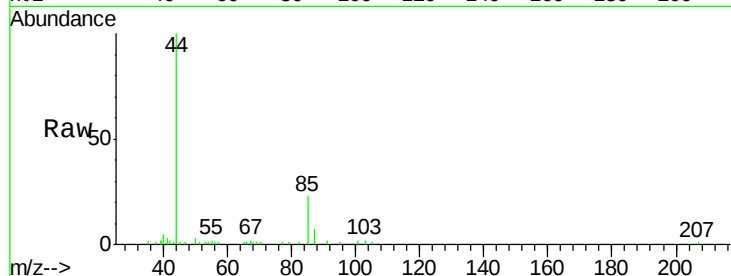
87 28.1 22.3 41.5

Manual Integrations

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#3

Chloromethane

Concen: 0.857 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016462.D

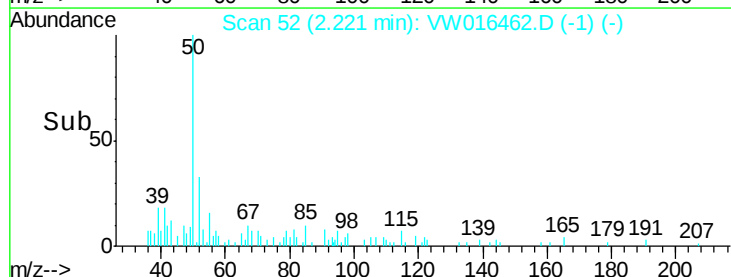
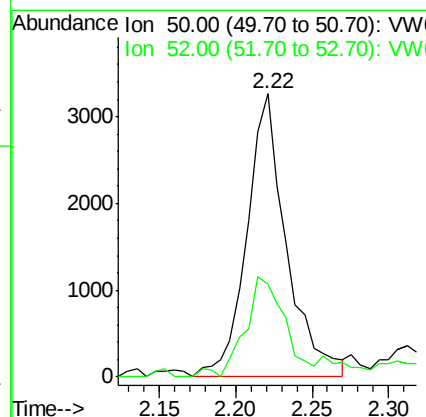
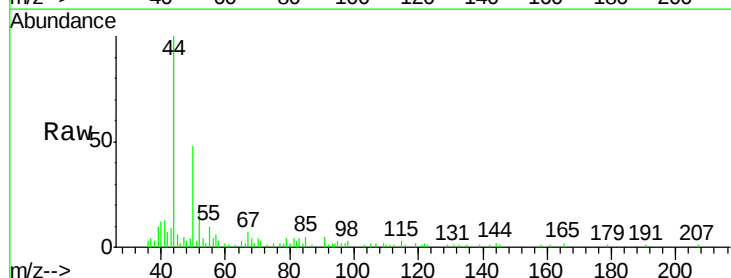
Acq: 04 Sep 2020 14:06

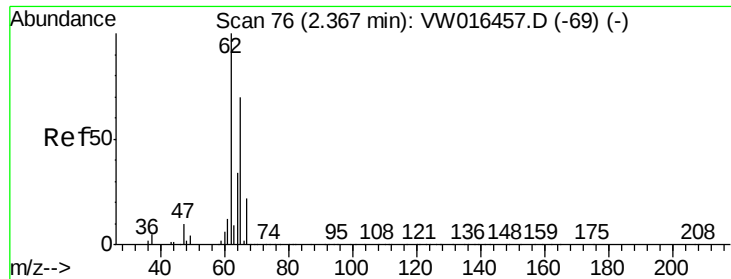
Tgt Ion: 50 Resp: 5876

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6





#5

Vinyl chloride

Concen: 0.937 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 8180

Ion Ratio Lower Upper

62 100

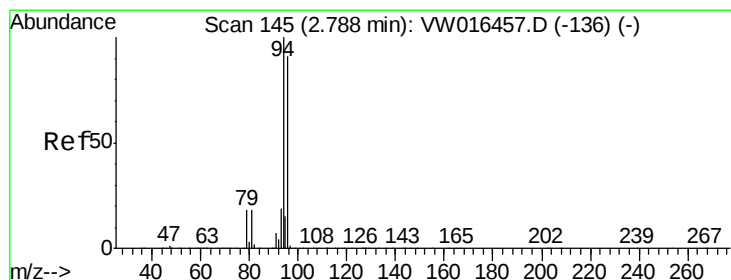
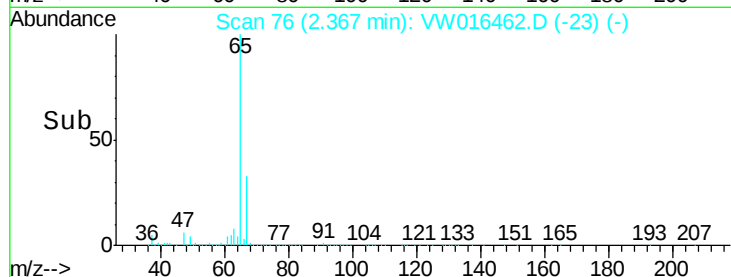
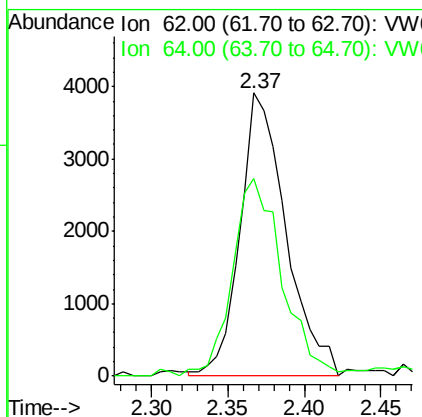
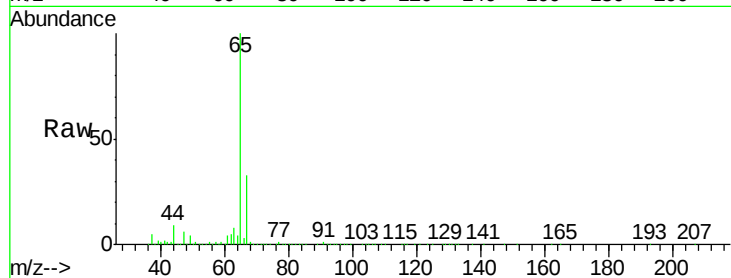
64 69.7 23.9 44.5#

Manual Integrations

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9/8/2020 10:14:42 AM



#6

Bromomethane

Concen: 0.825 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016462.D

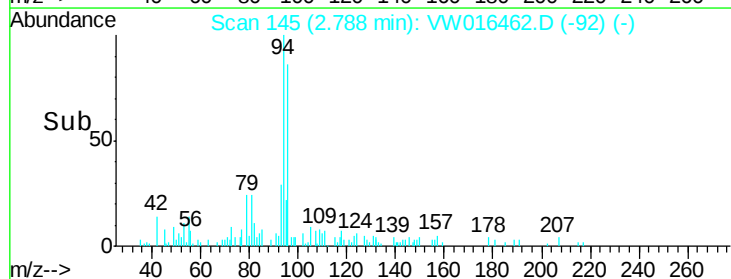
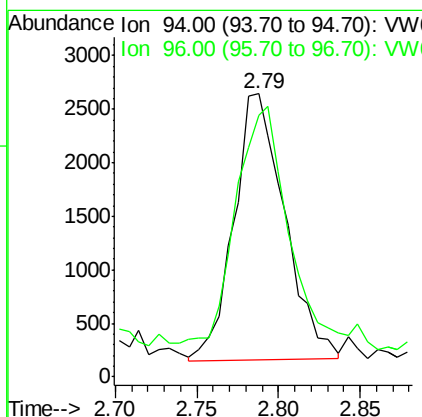
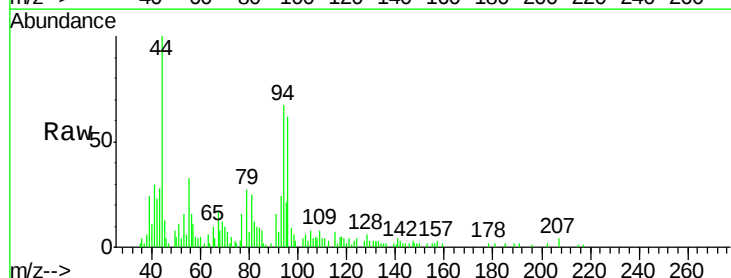
Acq: 04 Sep 2020 14:06

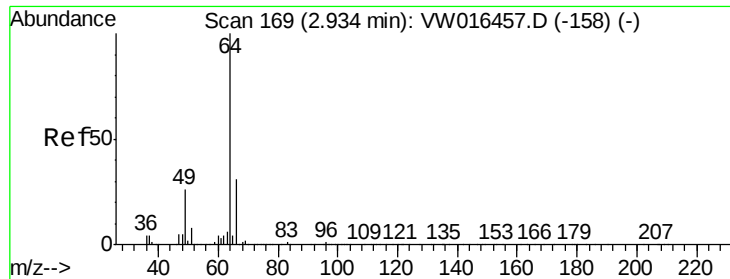
Tgt Ion: 94 Resp: 5386

Ion Ratio Lower Upper

94 100

96 96.2 9.4 178.2





#8

Chloroethane

Concen: 0.983 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 5282

Ion Ratio Lower Upper

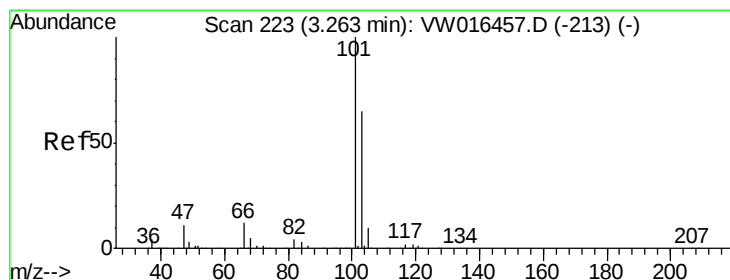
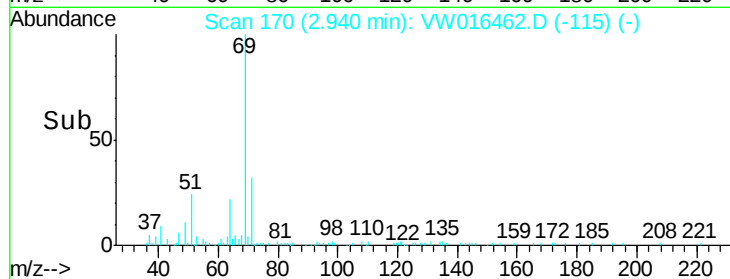
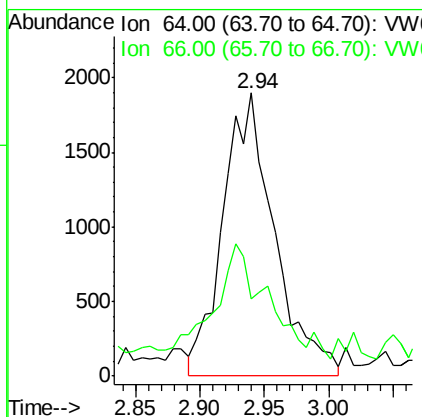
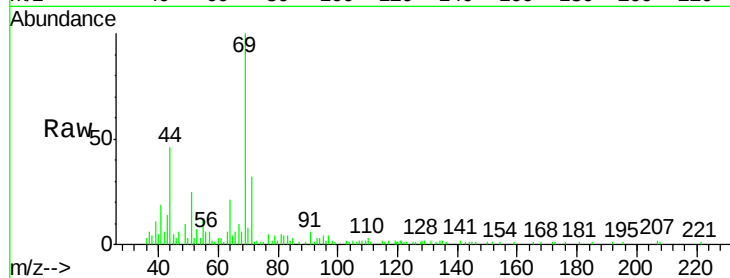
64 100

66 27.1 22.4 41.6

Manual Integrations
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9/8/2020 10:14:42 AM



#9

Trichlorofluoromethane

Concen: 0.664 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016462.D

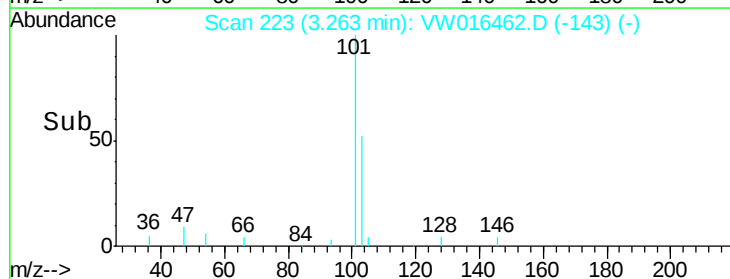
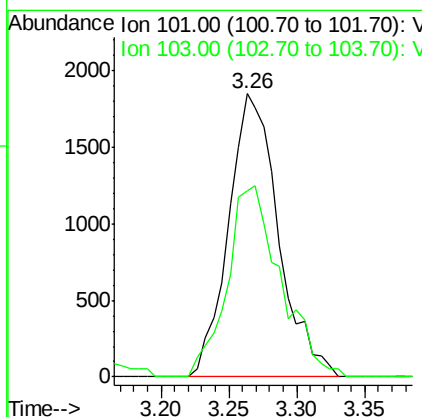
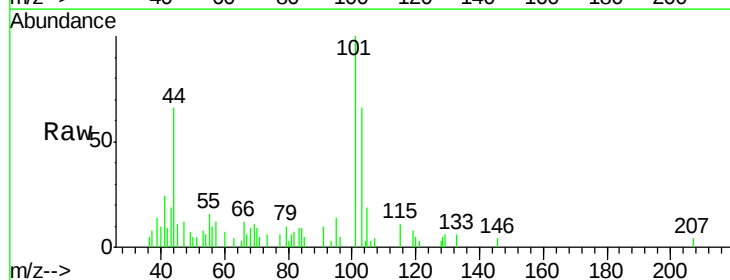
Acq: 04 Sep 2020 14:06

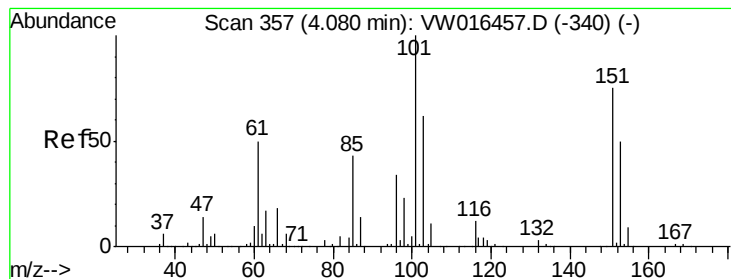
Tgt Ion: 101 Resp: 4747

Ion Ratio Lower Upper

101 100

103 63.3 45.1 83.7





#11

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

Concen: 1.143 ug/L m

RT: 4.07 min Scan# 356

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

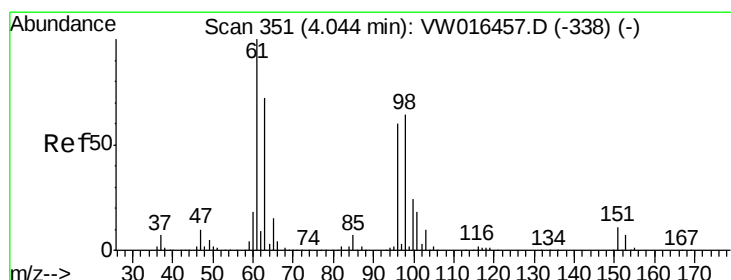
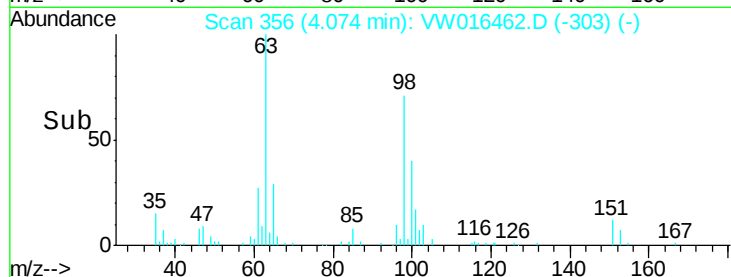
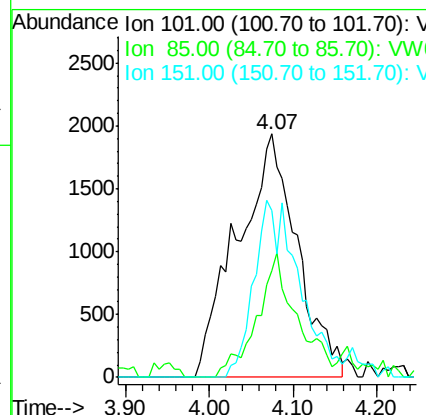
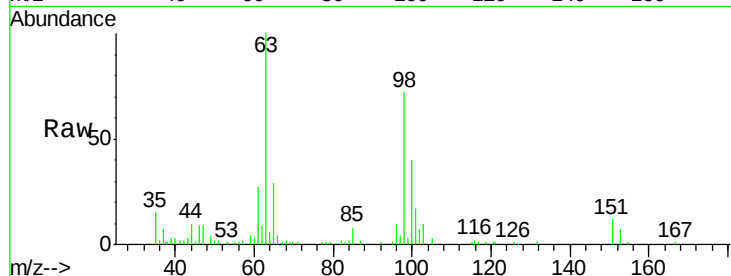
ClientSampled :

MDL04

Tot Ion:	101	Resp:	9667
Ion Ratio	Lower	Upper	
101	100		
85	28.1	33.4	50.0#
151	27.4	61.6	92.4#

Manual Integrations
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9/8/2020 10:14:42 AM



#12

1,1-Dichloroethene

Concen: 1.078 ug/L

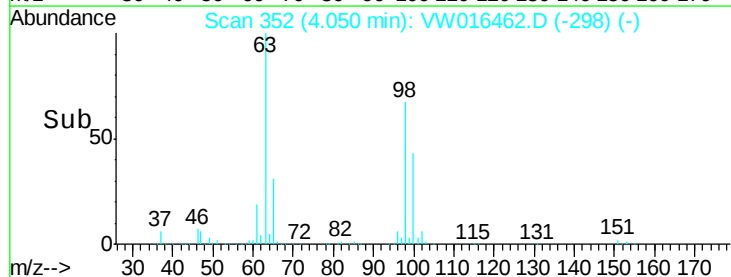
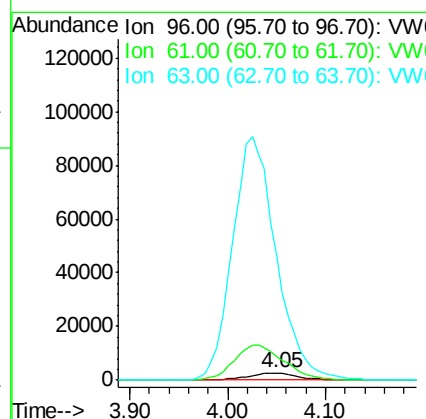
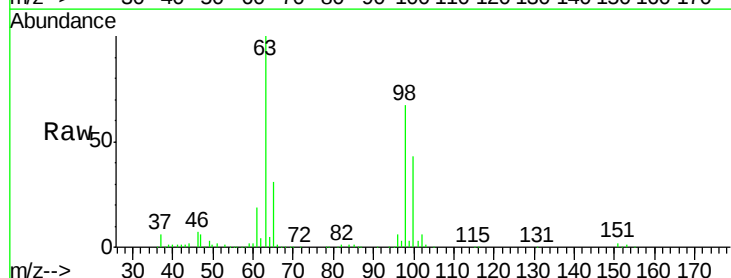
RT: 4.05 min Scan# 352

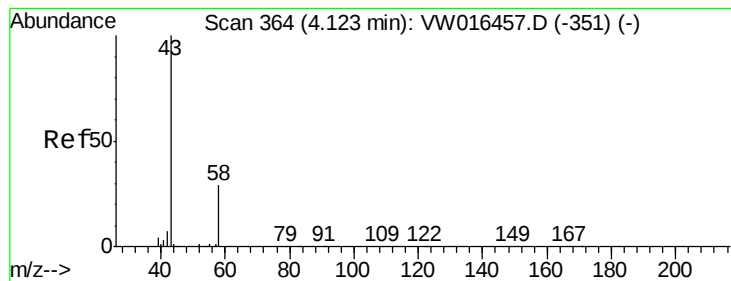
Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion:	96	Resp:	9269
Ion Ratio	Lower	Upper	
96	100		
61	323.6	116.5	216.3#
63	1677.0	81.1	150.5#





#13

Acetone

Concen: 2.865 ug/L m

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion: 43 Resp: 4862

Ion Ratio Lower Upper

43 100

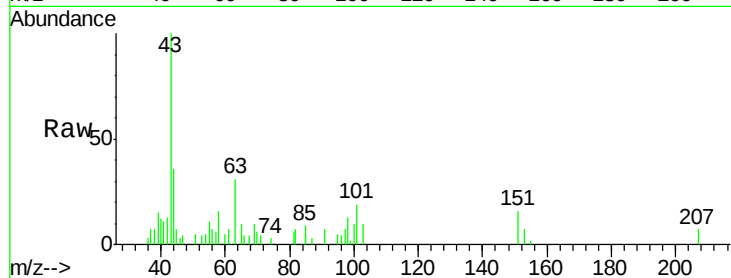
58 19.6 0.0 63.0

Manual Integrations

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MMDadoda

9/8/2020 10:14:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2500

2000

1500

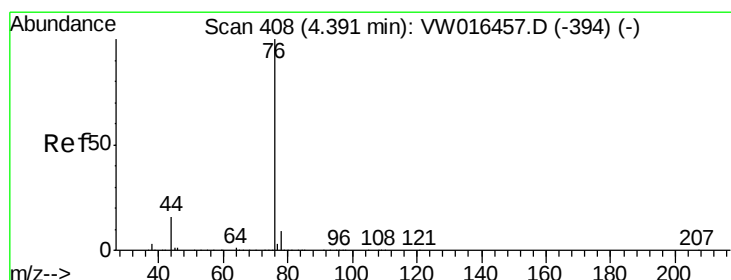
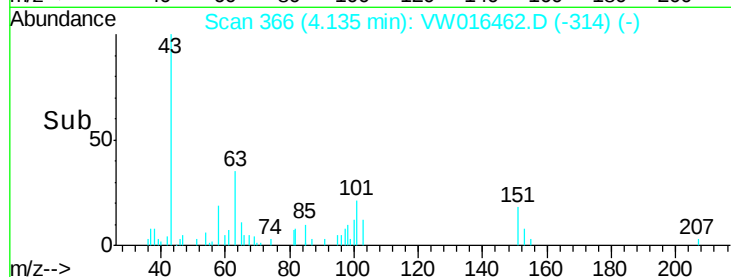
1000

500

0

4.05 4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 0.733 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016462.D

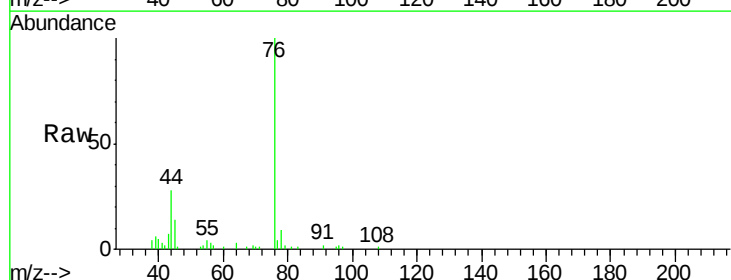
Acq: 04 Sep 2020 14:06

Tgt Ion: 76 Resp: 19258

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.40

6000

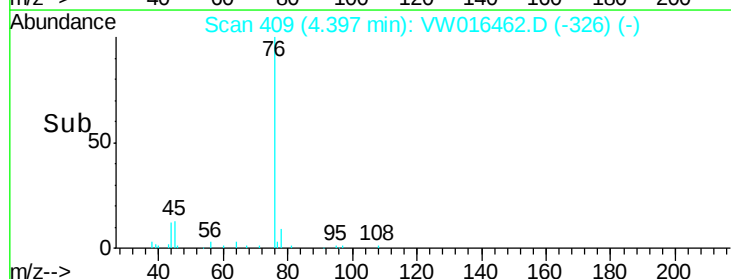
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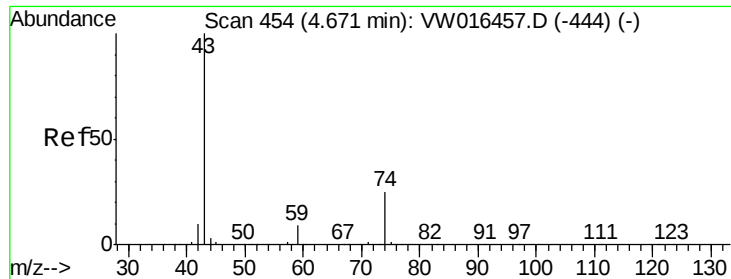
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0

4.30 4.35 4.40 4.45 4.50

Time-->





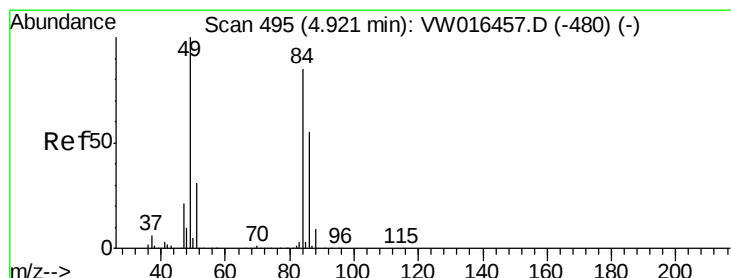
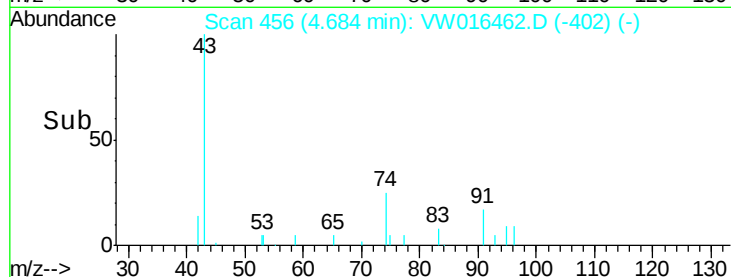
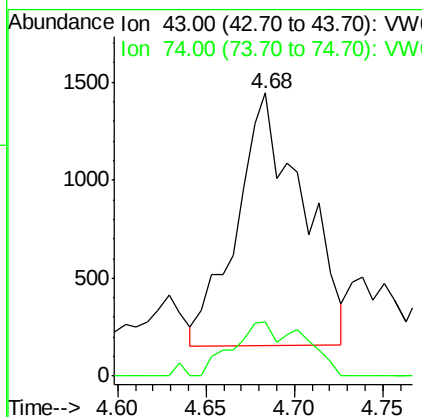
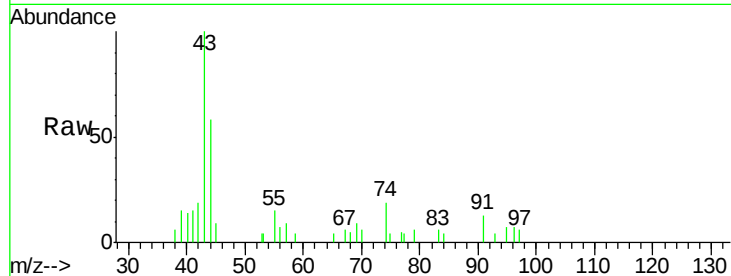
#15
Methyl Acetate
Concen: 0.809 ug/L m
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
74 14.0 18.9 28.3#

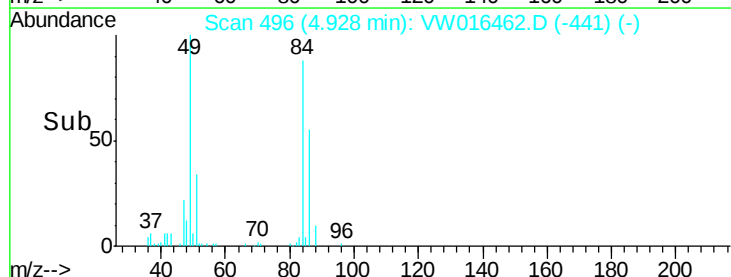
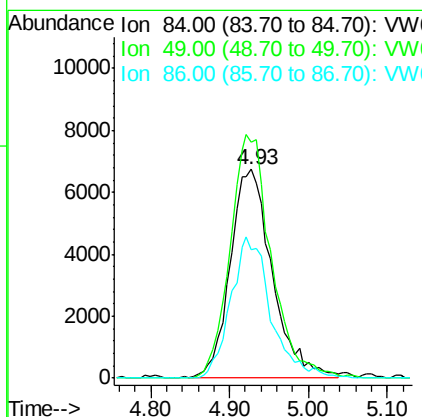
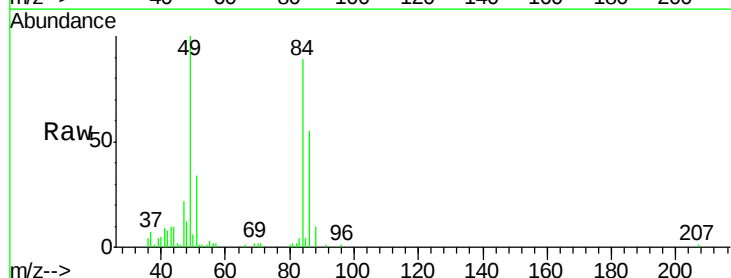
Manual Integrations
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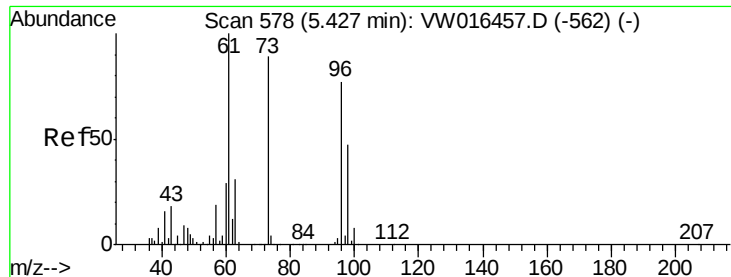
MMDadoda
9/8/2020 10:14:42 AM



#16
Methylene chloride
Concen: 2.301 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion: 84 Resp: 25065
Ion Ratio Lower Upper
84 100
49 113.0 86.7 160.9
86 61.6 44.9 83.5





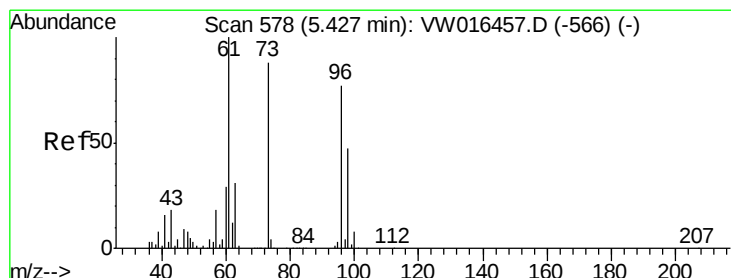
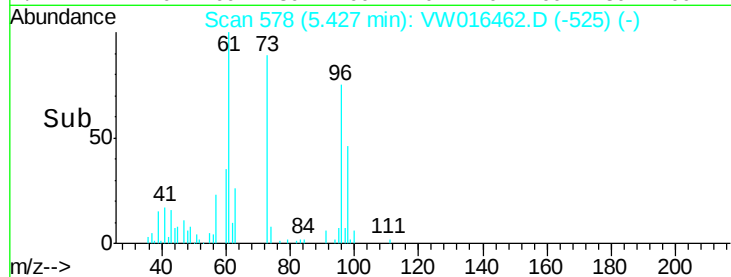
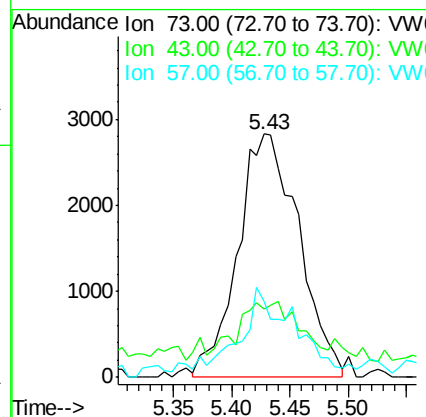
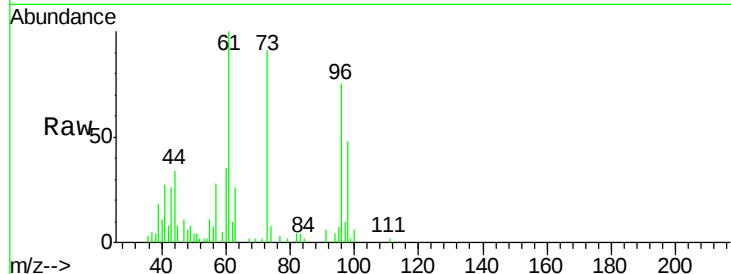
#17
Methvl tert-butvl Ether
Concen: 0.799 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Resp	Lower	Upper
73	100			
43	7.9	17.9	26.9#	
57	16.8	17.4	26.0#	

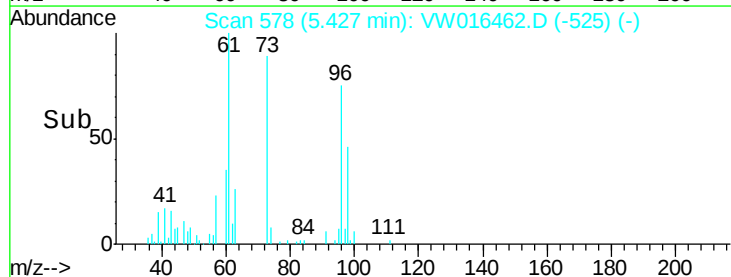
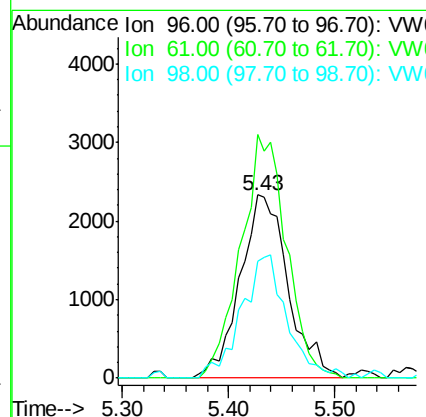
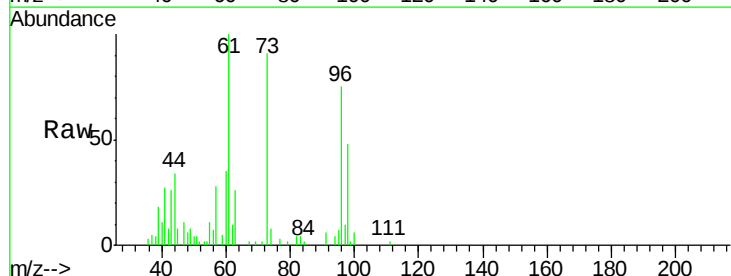
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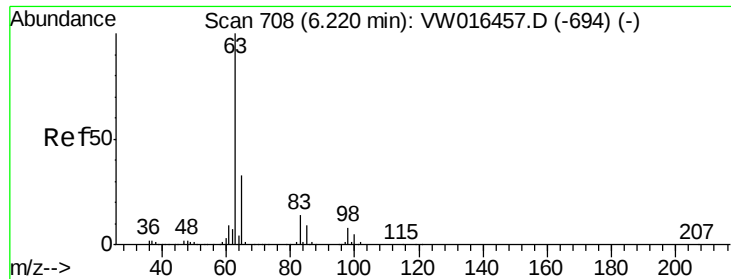
MMDadoda
9/8/2020 10:14:42 AM



#18
trans-1,2-Dichloroethene
Concen: 0.807 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.0	96.4	179.0	
98	63.8	45.1	83.7	





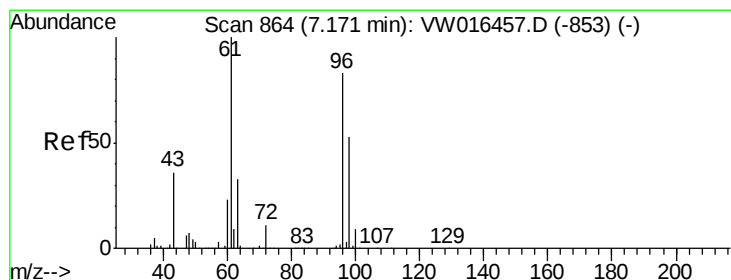
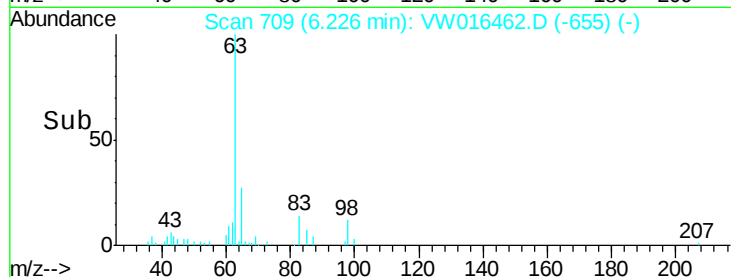
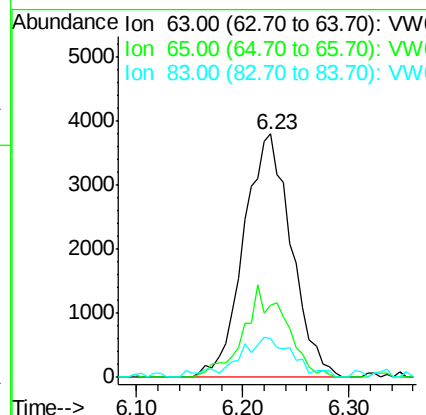
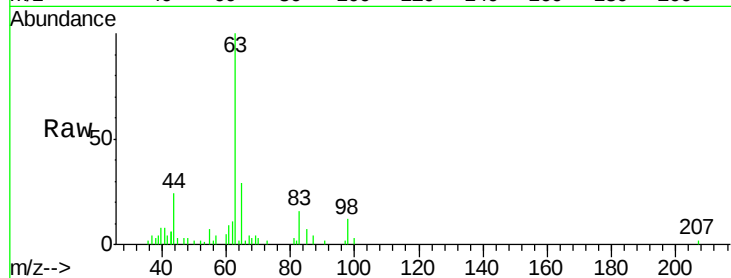
#19
 1,1-Dichloroethane
 Concen: 0.767 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion:	63	Resp:	11921
Ion	Ratio	Lower	Upper
63	100		
65	29.4	23.3	43.3
83	15.8	10.3	19.1

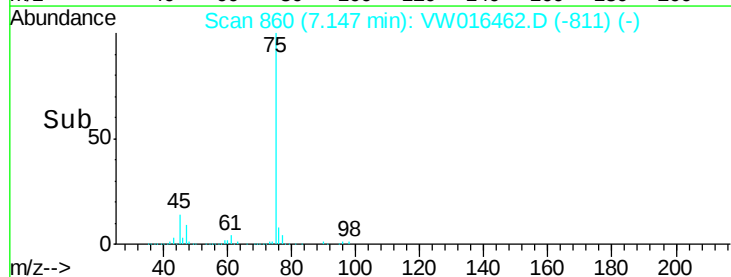
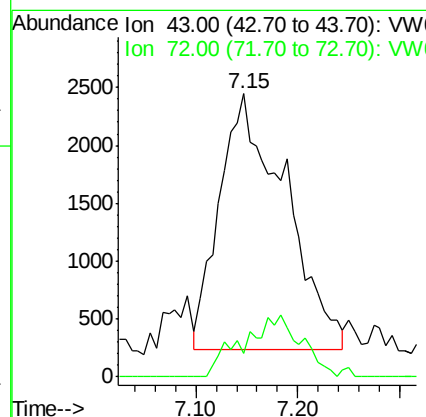
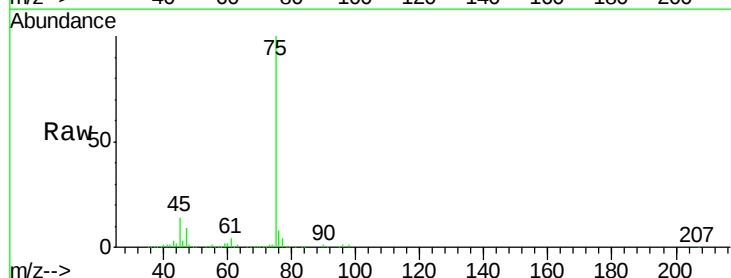
Manual Integrations
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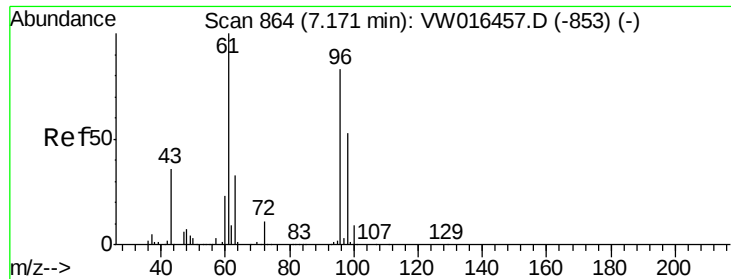
MMDadoda
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#21
 2-Butanone
 Concen: 3.480 ug/L m
 RT: 7.15 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion:	43	Resp:	9912
Ion	Ratio	Lower	Upper
43	100		
72	0.5	13.5	40.4#





#22

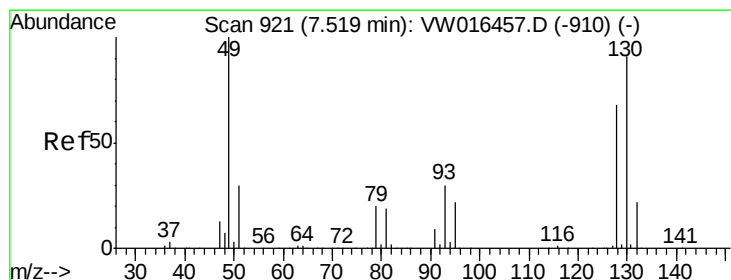
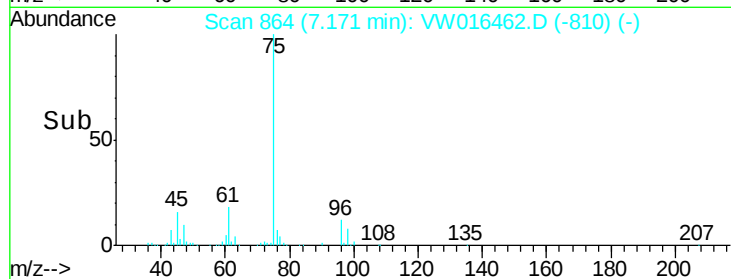
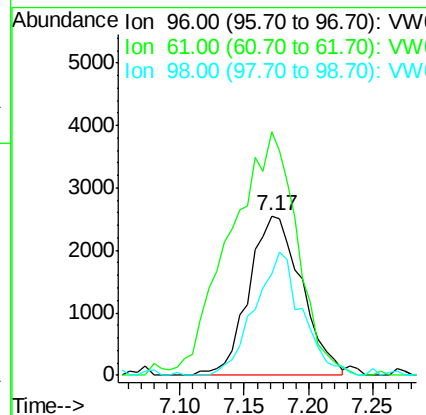
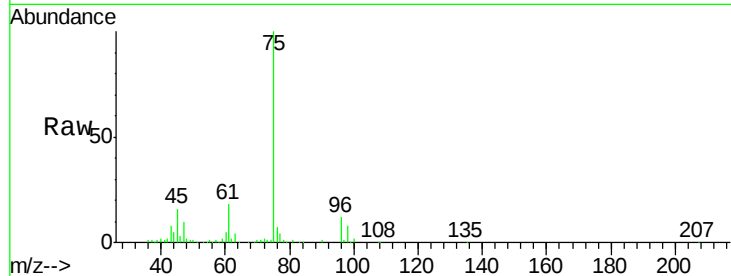
cis-1,2-Dichloroethene
 Concen: 0.763 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	86.1	159.9
98	63.9	44.1	81.9

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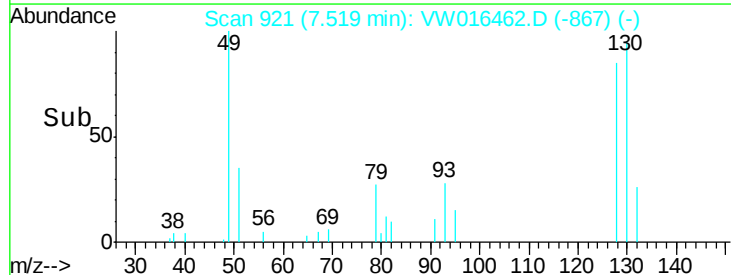
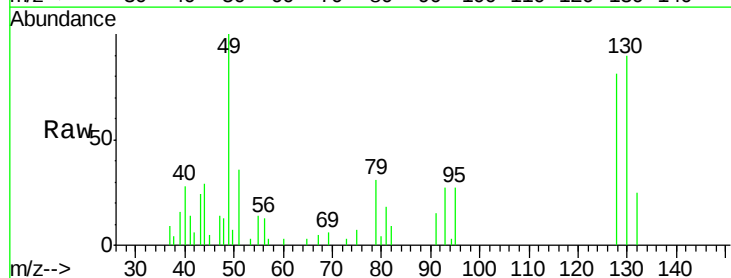
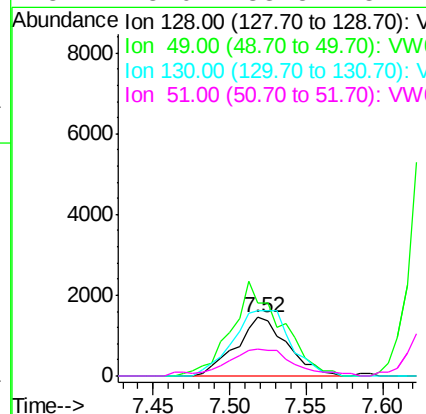
MMDadoda
 9/8/2020 10:14:42 AM

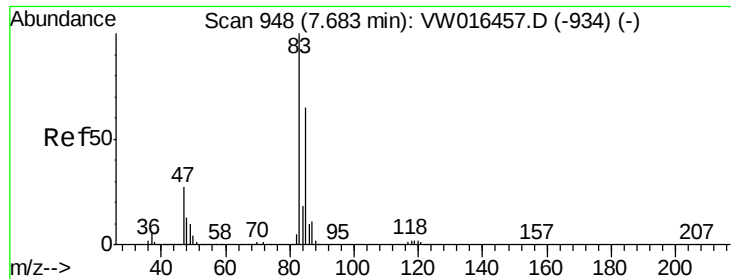


#23

Bromochloromethane
 Concen: 0.772 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Lower	Upper
128	100		
49	123.8	111.6	207.4
130	110.8	90.9	168.7
51	45.0	38.5	57.7





#25

Chloroform

Concen: 0.897 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion: 83 Resp: 14431

Ion Ratio Lower Upper

83 100

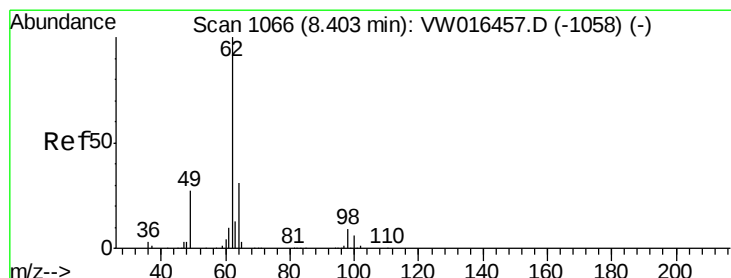
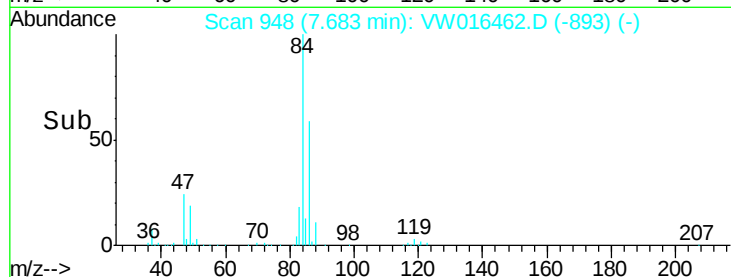
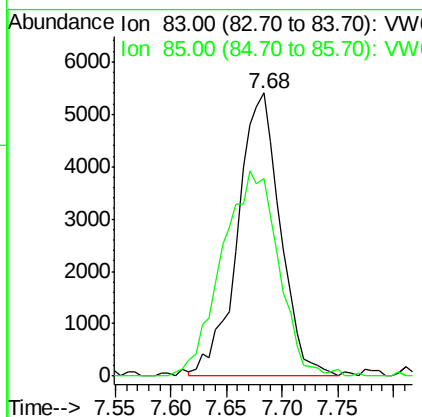
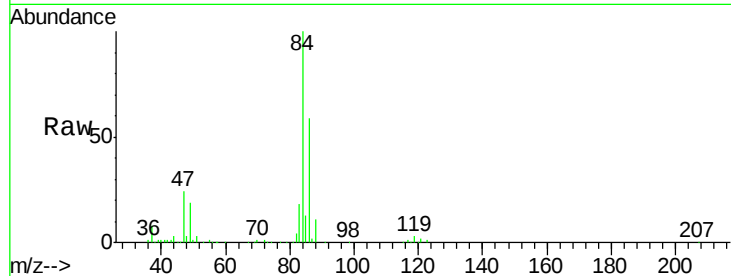
85 94.7 45.6 84.8#

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 0.818 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW016462.D

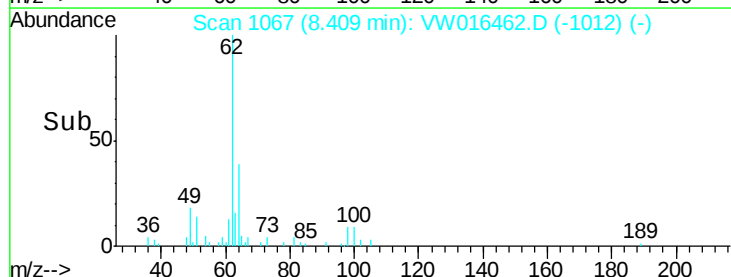
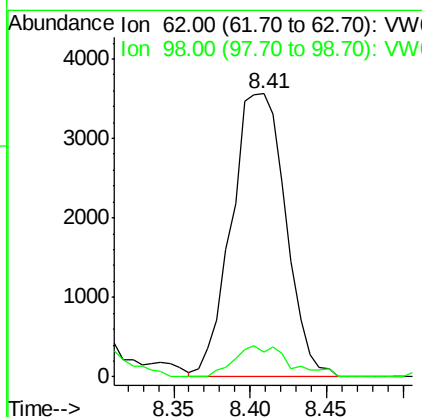
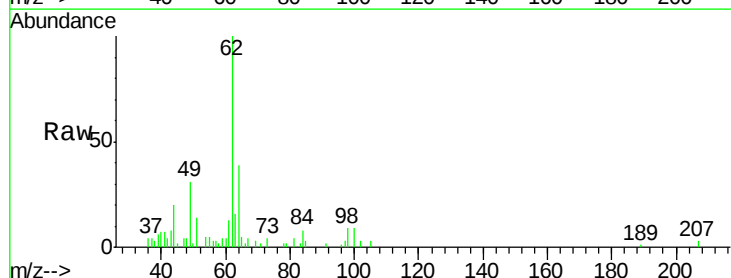
Acq: 04 Sep 2020 14:06

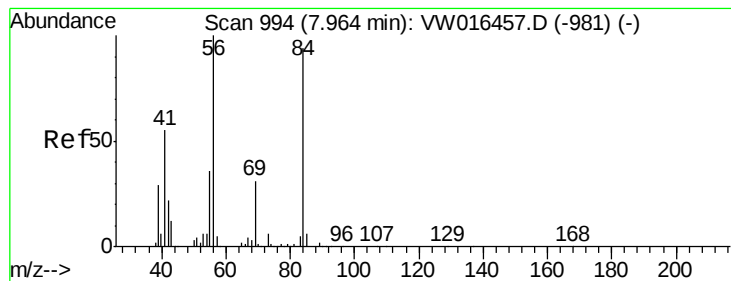
Tgt Ion: 62 Resp: 8763

Ion Ratio Lower Upper

62 100

98 8.7 7.3 10.9





#30

Cvclohexane

Concen: 0.784 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

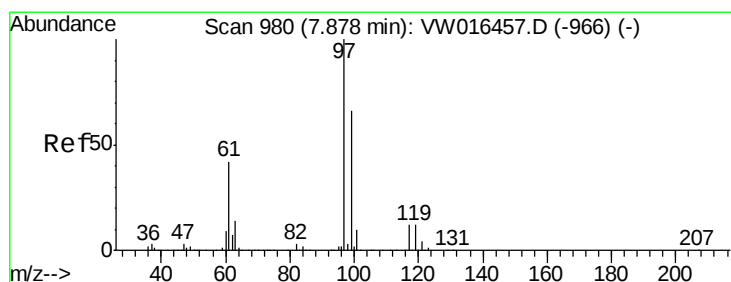
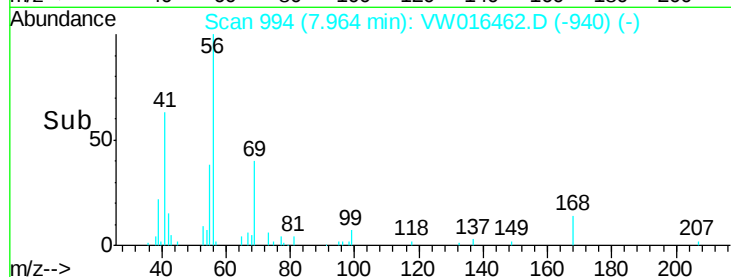
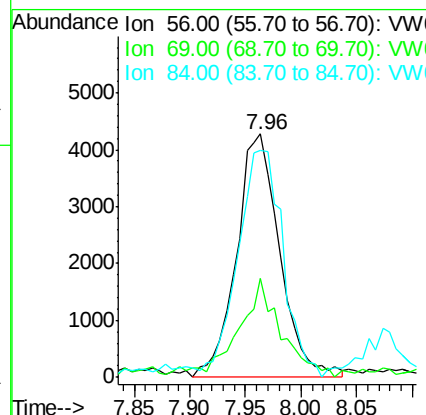
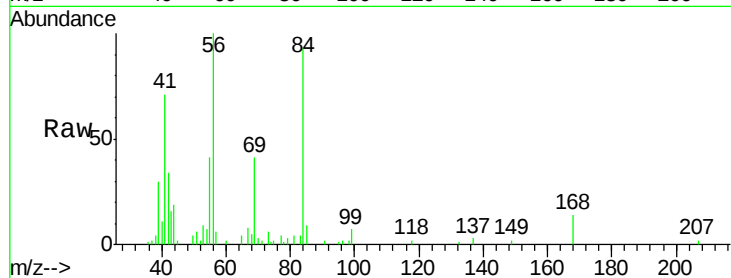
ClientSampled :

MDL04

Tot Ion:	56	Resp:	11599
Ion	Ratio	Lower	Upper
56	100		
69	38.3	25.3	37.9#
84	97.1	71.6	107.4

Manual Integrations
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#31

1,1,1-Trichloroethane

Concen: 0.797 ug/L

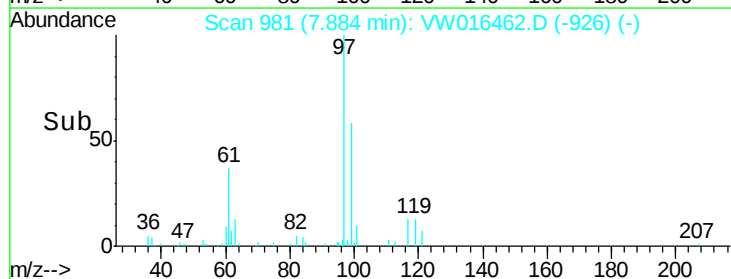
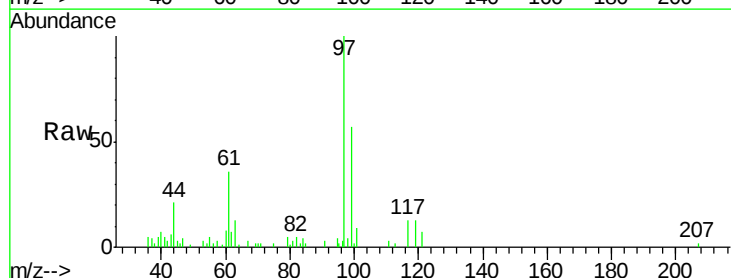
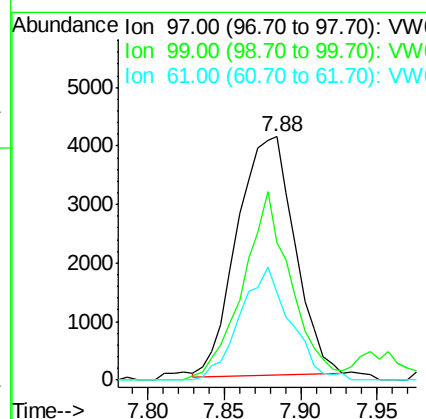
RT: 7.88 min Scan# 981

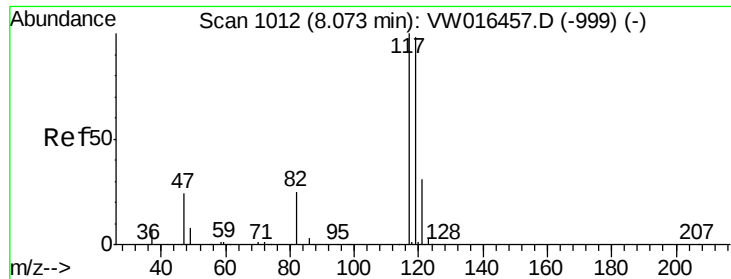
Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion:	97	Resp:	10692
Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.2	78.2
61	41.0	36.3	54.5





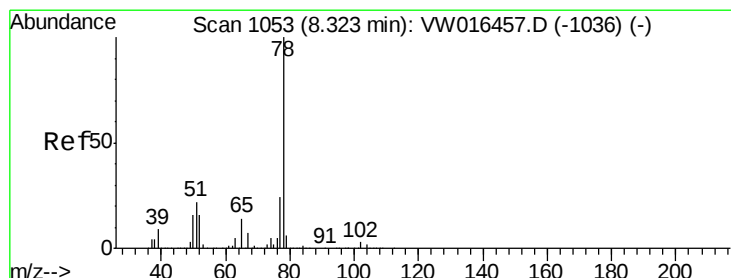
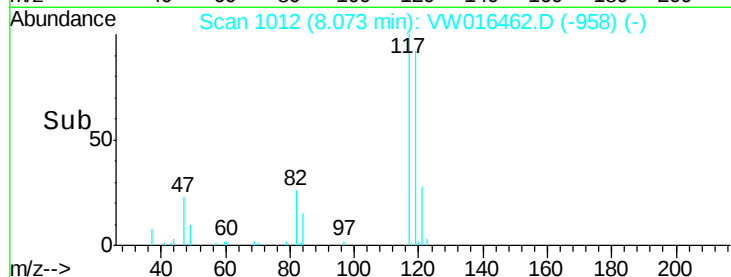
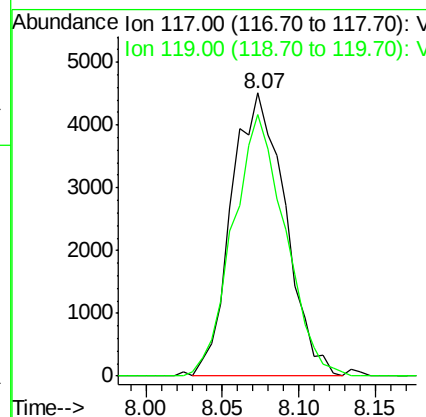
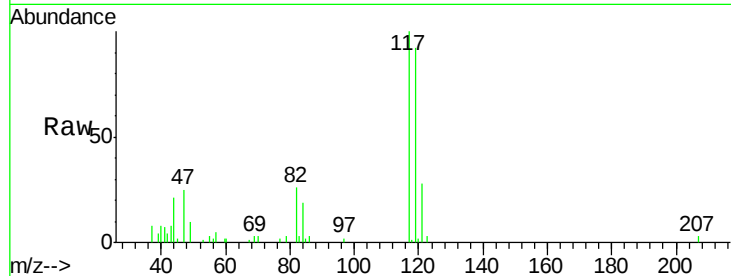
#32
Carbon tetrachloride
Concen: 0.857 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion:117 Resp: 10999
Ion Ratio Lower Upper
117 100
119 89.8 77.8 116.6

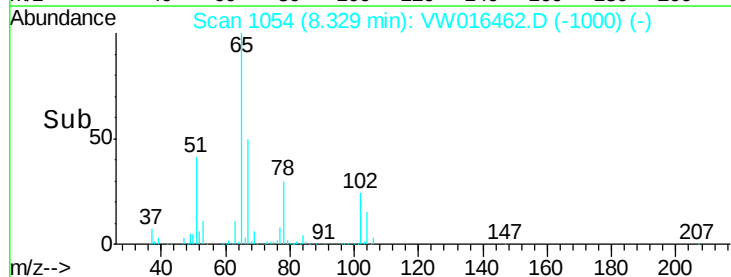
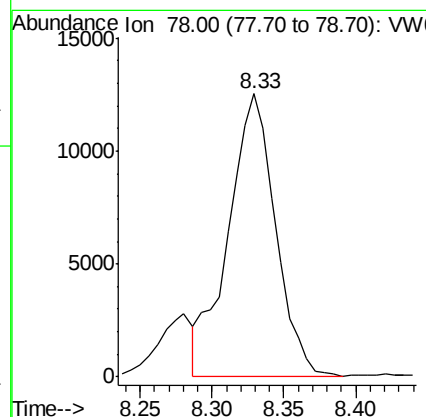
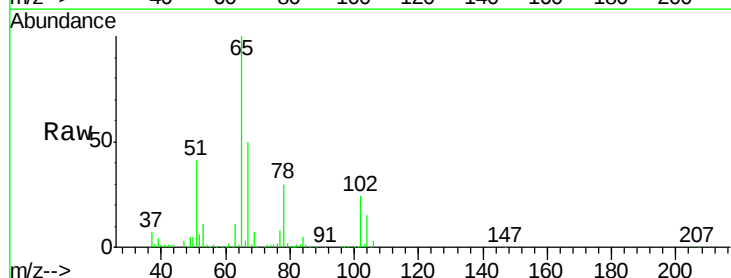
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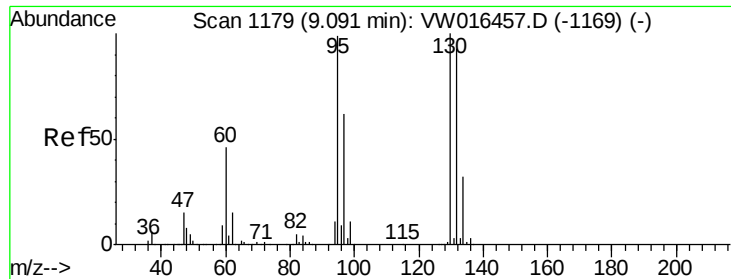
MMDadoda
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#34
Benzene
Concen: 0.844 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion: 78 Resp: 28608





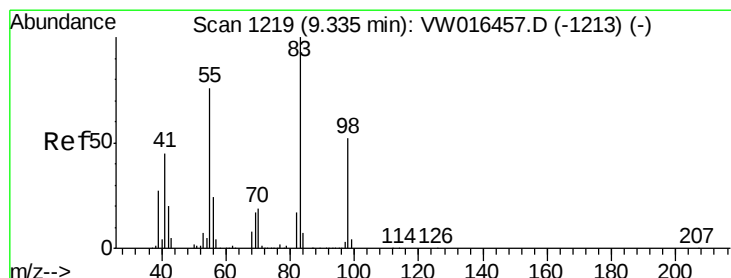
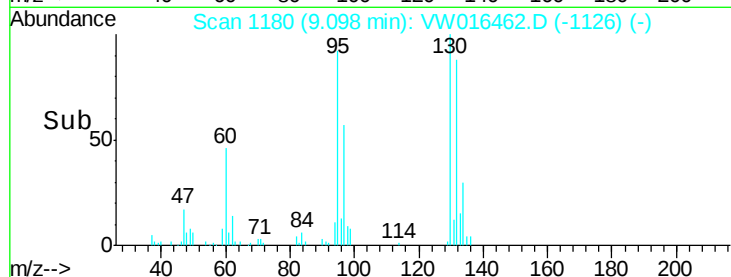
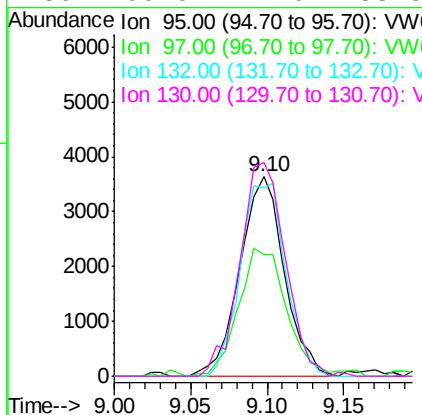
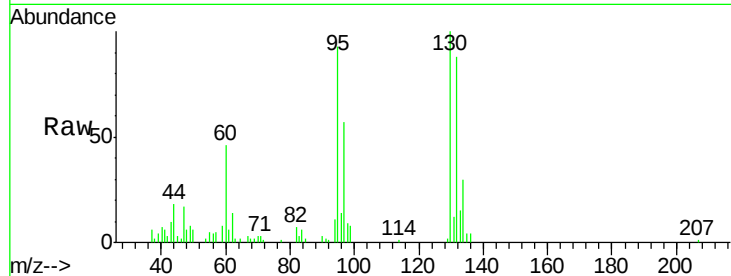
#35
 Trichloroethene
 Concen: 0.785 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		7369		
97	68.8		44.9	83.5	
132	99.6		69.2	128.4	
130	109.0		72.0	133.6	

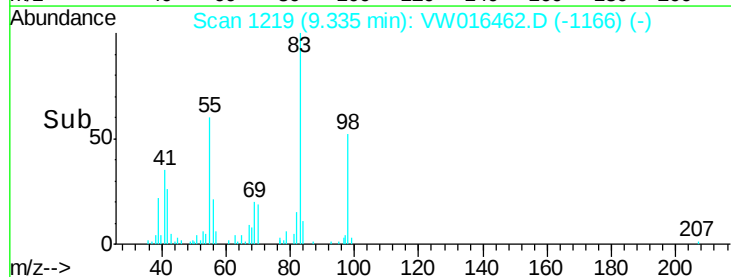
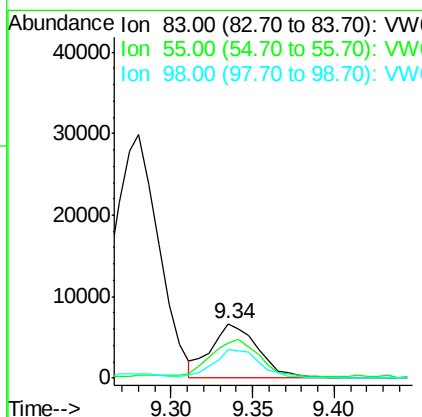
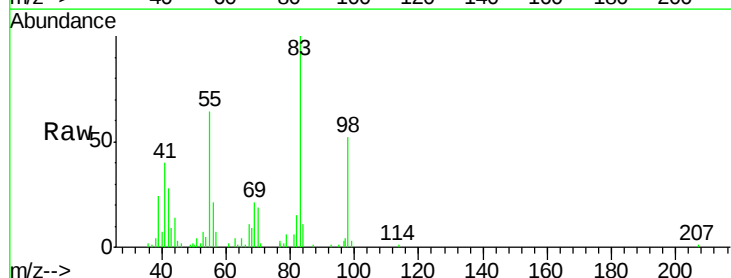
Manual Integrations
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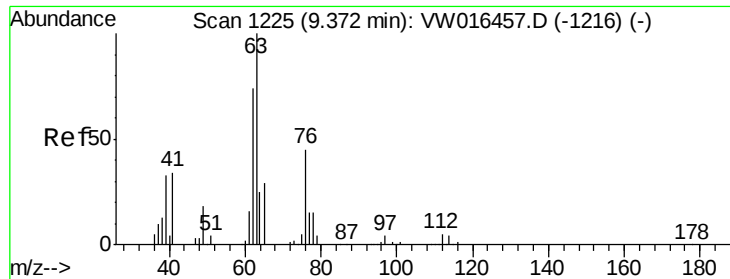
MMDadoda
 9/8/2020 10:14:42 AM



#36
 Methylcyclohexane
 Concen: 0.815 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		13391		
55	70.2		60.9	91.3	
98	51.0		40.0	60.0	





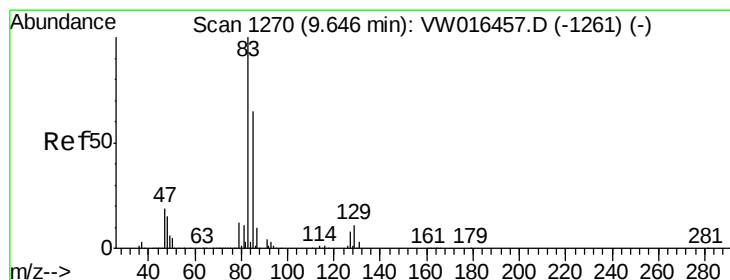
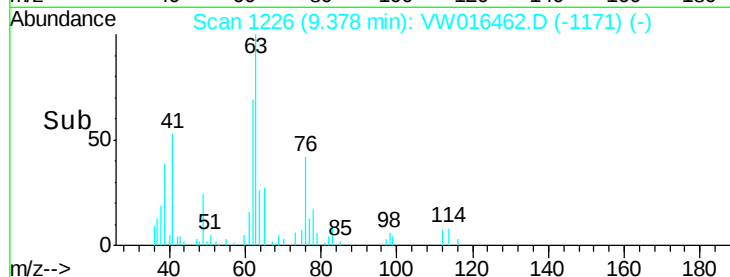
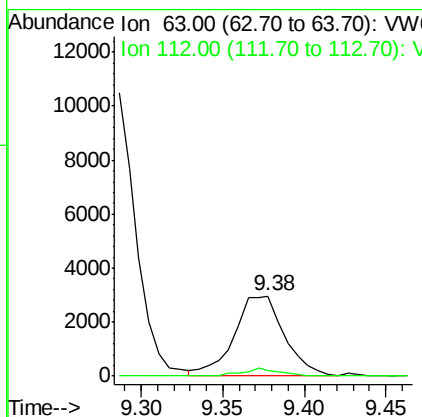
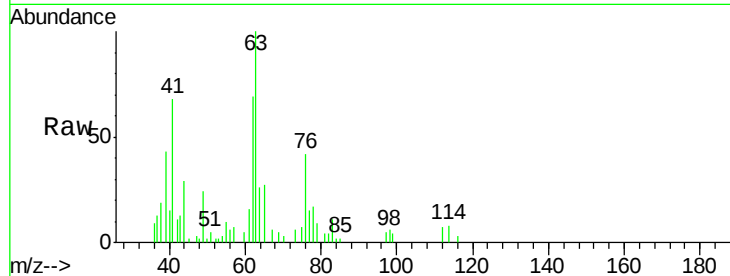
#40
 1,2-Dichloropropane
 Concen: 0.762 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion: 63 Resp: 6383
 Ion Ratio Lower Upper
 63 100
 112 7.0 3.8 5.8#

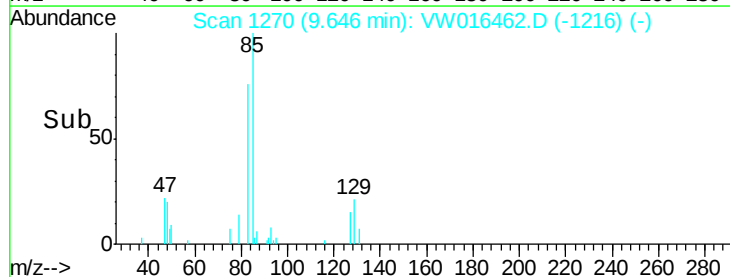
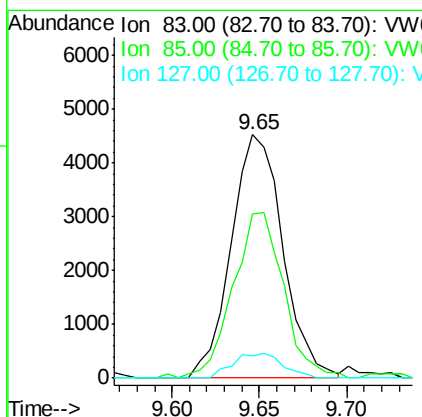
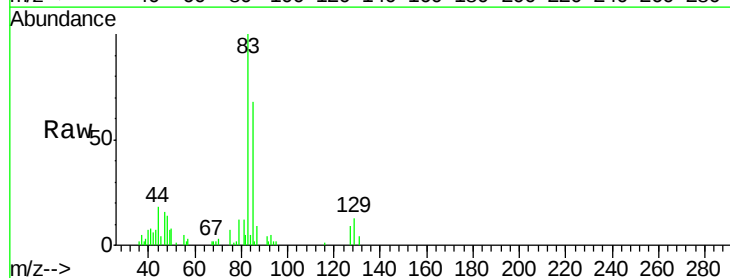
Manual Integrations
 APPROVED

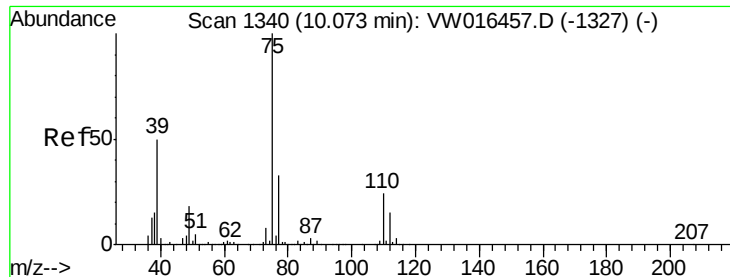
MMDadoda
 9/8/2020 10:14:42 AM



#41
 Bromodichloromethane
 Concen: 0.795 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion: 83 Resp: 9307
 Ion Ratio Lower Upper
 83 100
 85 67.6 43.5 80.7
 127 9.2 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 0.657 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 75 Resp: 9342

Ion Ratio Lower Upper

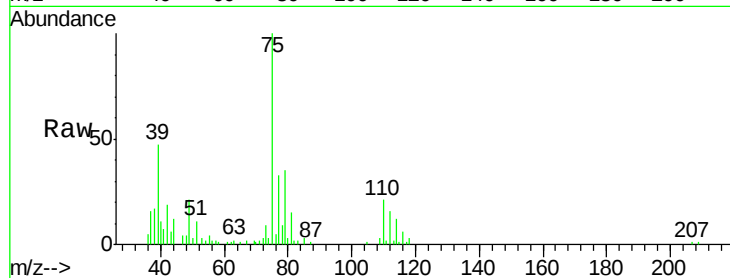
75 100

77 33.0 20.9 38.7

Manual Integrations
APPROVED

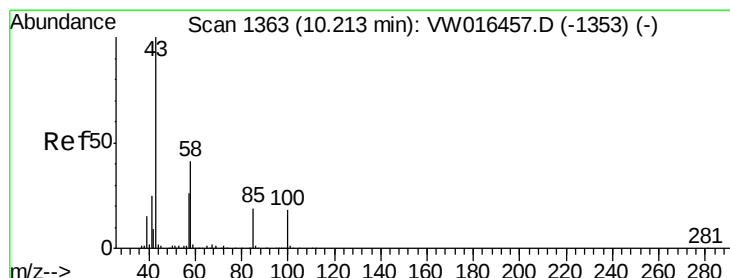
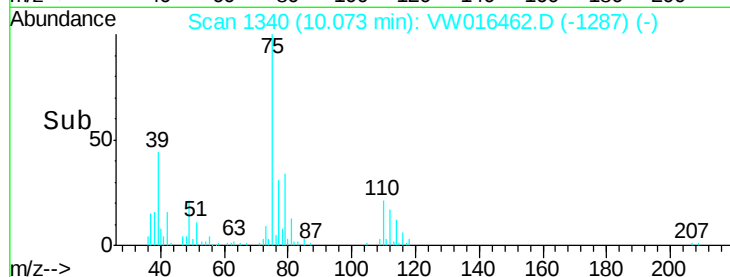
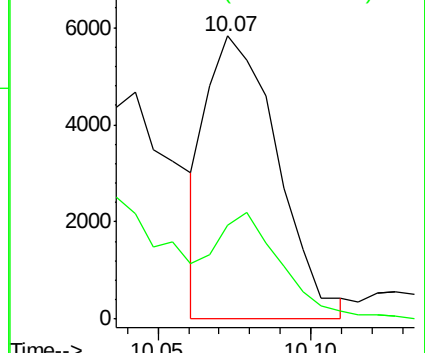
MMDadoda

9/8/2020 10:14:42 AM



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 2.593 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

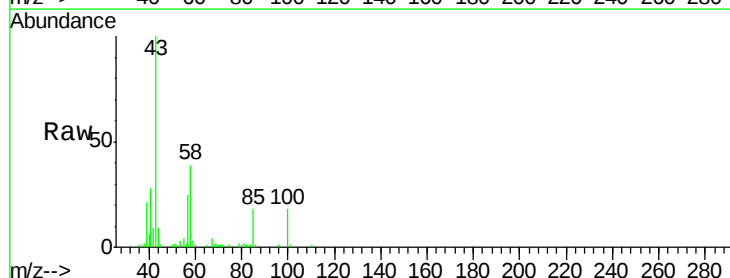
Tgt Ion: 43 Resp: 15379

Ion Ratio Lower Upper

43 100

58 43.2 30.6 45.8

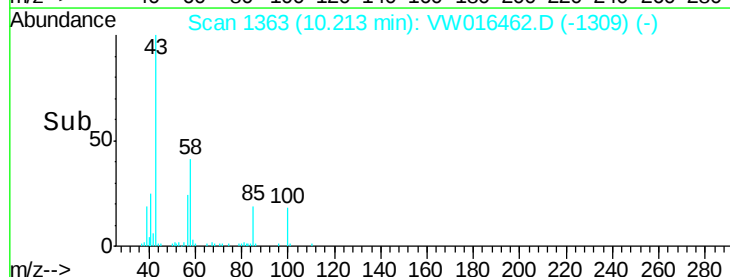
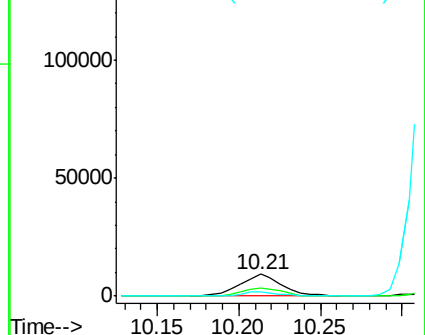
100 18.7 13.0 19.6

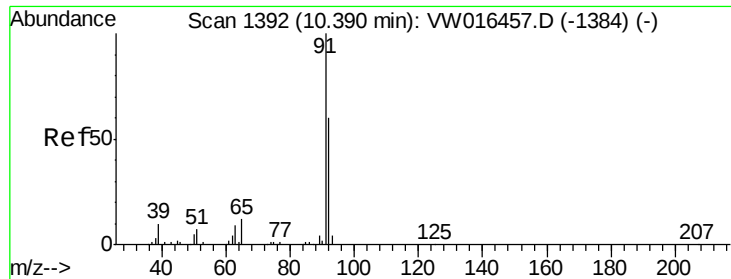


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





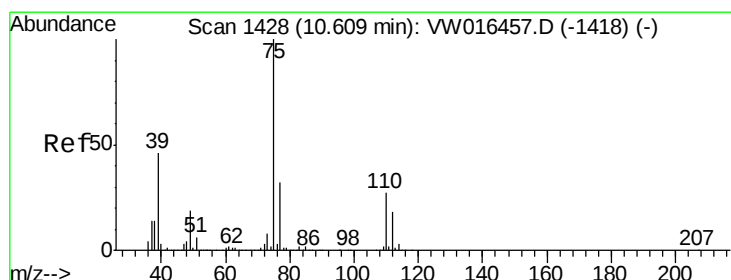
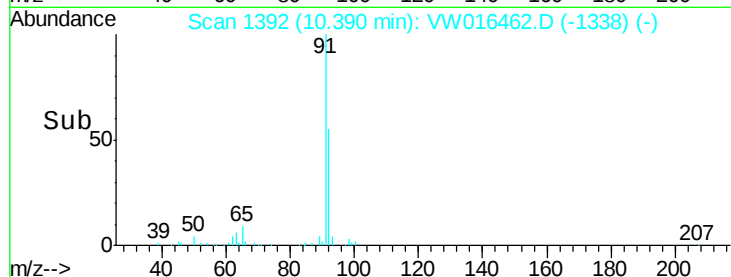
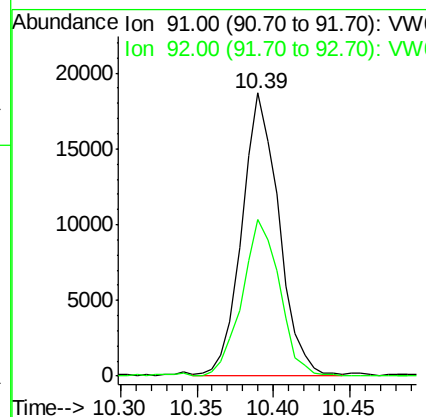
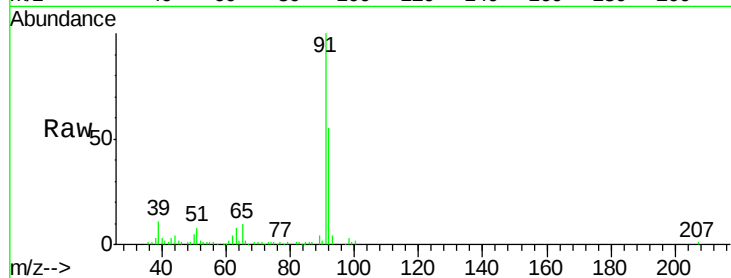
#44
Toluene
Concen: 0.823 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	91	100	31212		
92	92	55.3		39.5	73.4

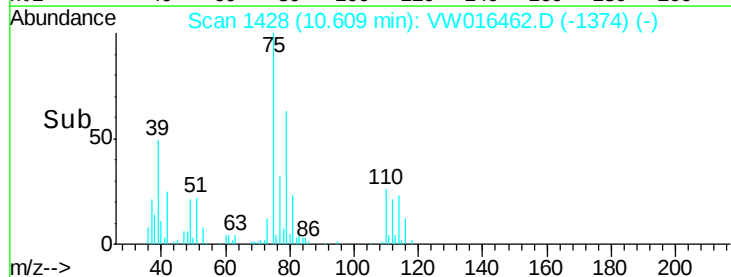
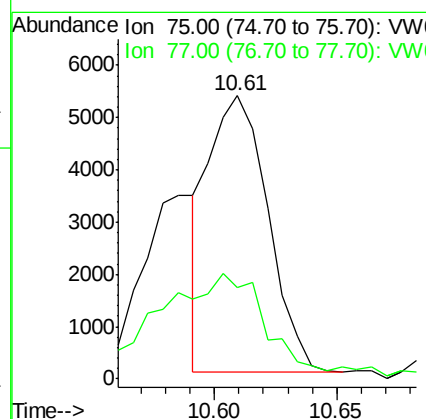
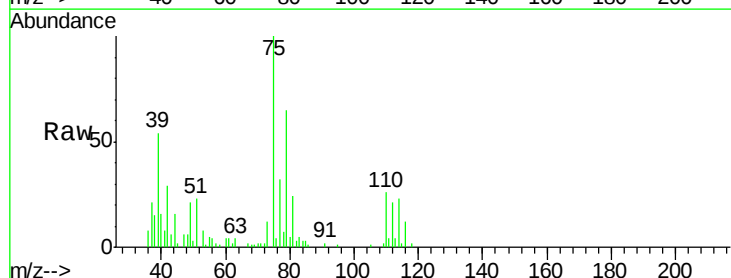
Manual Integrations
APPROVED

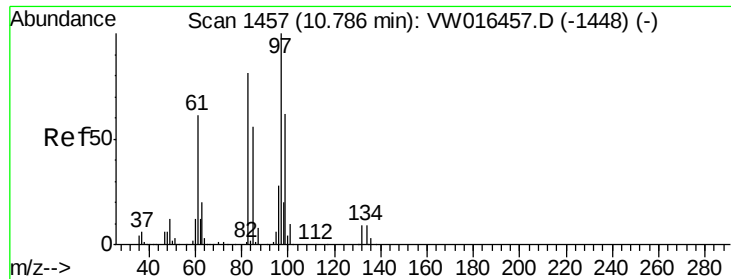
MMDadoda
9/8/2020 10:14:42 AM



#45
trans-1,3-Dichloropropene
Concen: 0.698 ug/L
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	8869		
77	77	32.4		21.9	40.7





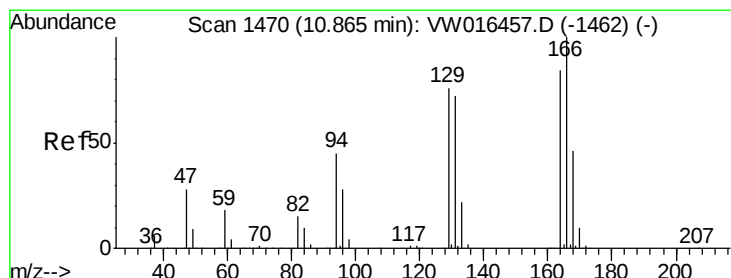
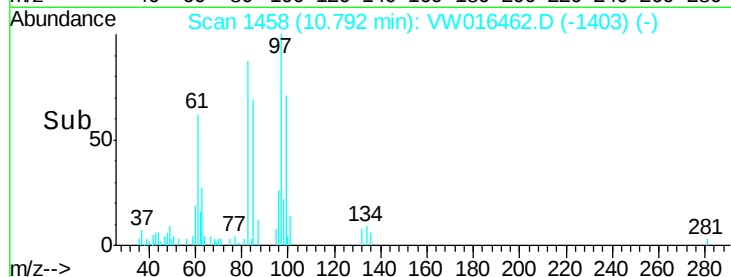
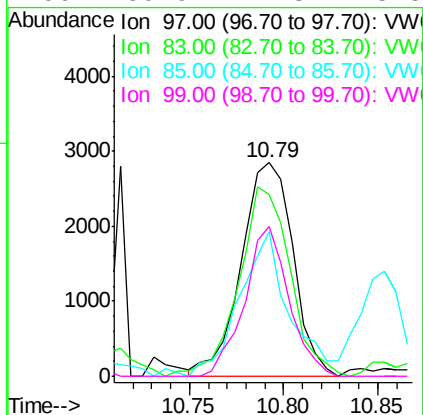
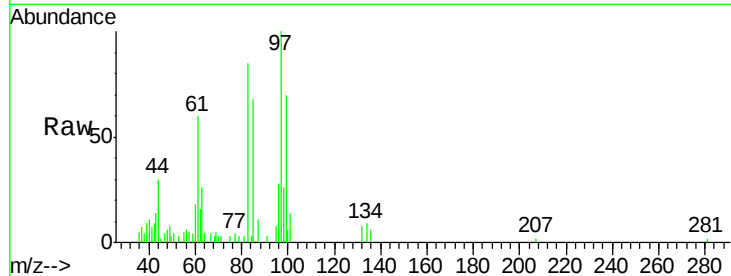
#46
 1,1,2-Trichloroethane
 Concen: 0.820 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion:	97	Resp:	5447
Ion	Ratio	Lower	Upper
97	100		
83	85.3	59.7	110.9
85	67.8	37.6	69.8
99	69.9	42.3	78.5

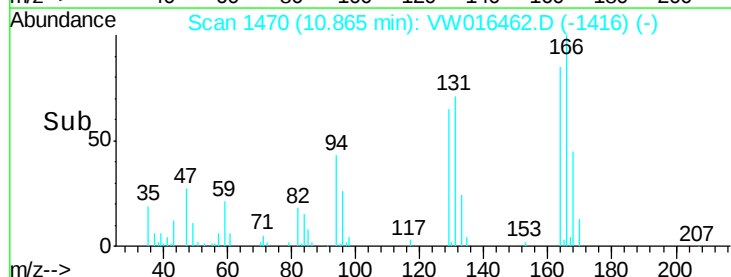
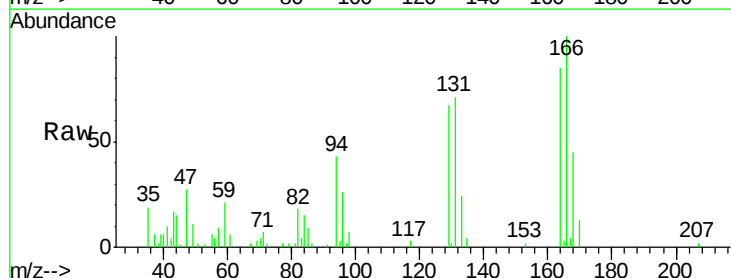
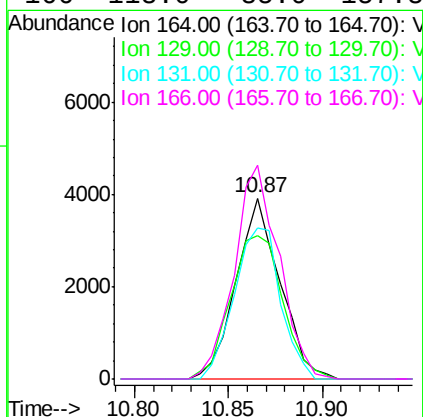
Manual Integrations
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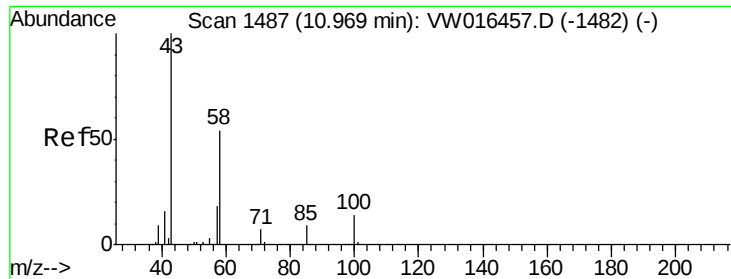
MMDadoda
 9/8/2020 10:14:42 AM



#47
 Tetrachloroethene
 Concen: 0.846 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion:	164	Resp:	6364
Ion	Ratio	Lower	Upper
164	100		
129	79.1	65.7	121.9
131	83.4	61.1	113.5
166	118.0	85.0	157.8





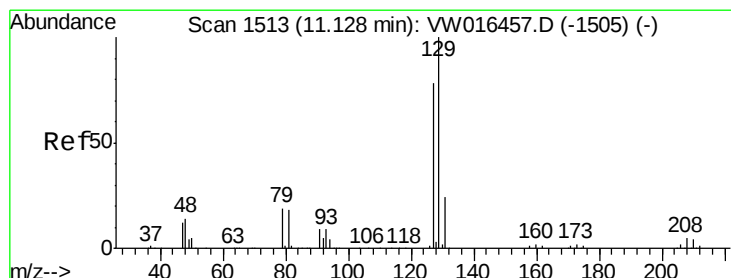
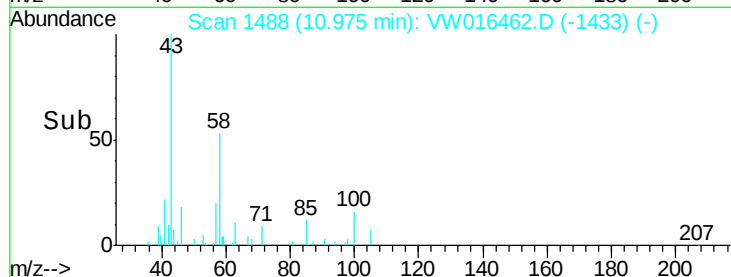
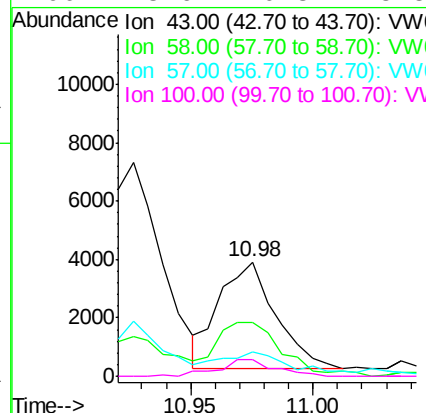
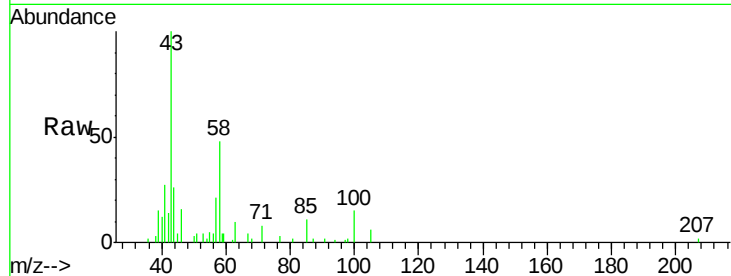
#49
2-Hexanone
Concen: 1.420 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	42.1	63.1
57	21.7	14.9	22.3
100	13.6	10.3	15.5

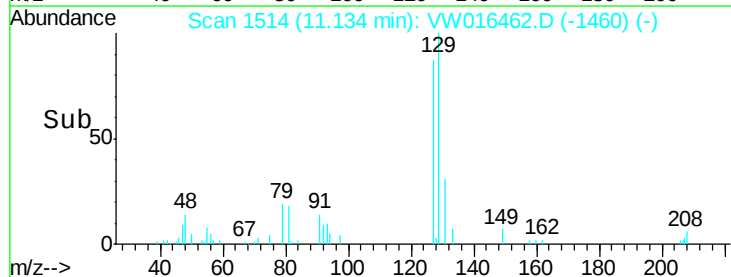
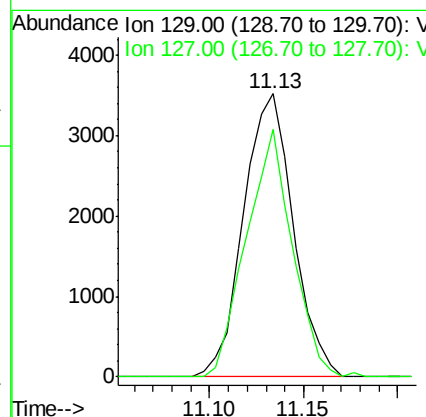
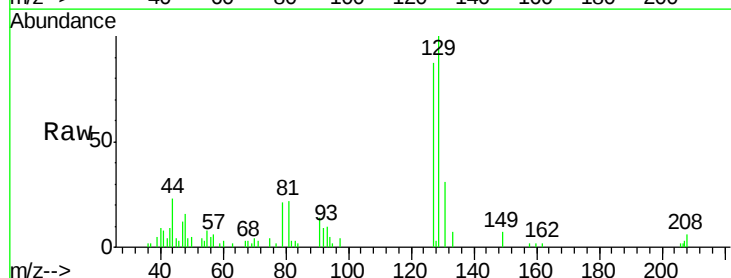
Manual Integrations
APPROVED

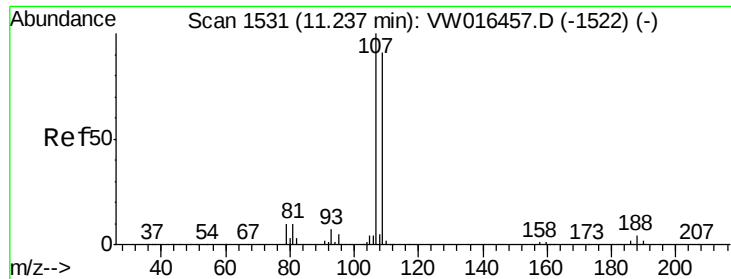
MMDadoda
9/8/2020 10:14:42 AM



#50
Dibromochloromethane
Concen: 0.768 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	87.3	55.4	103.0





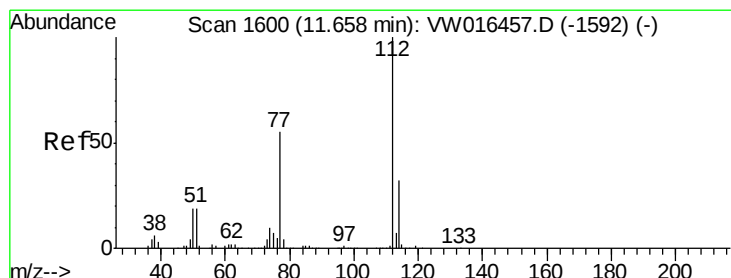
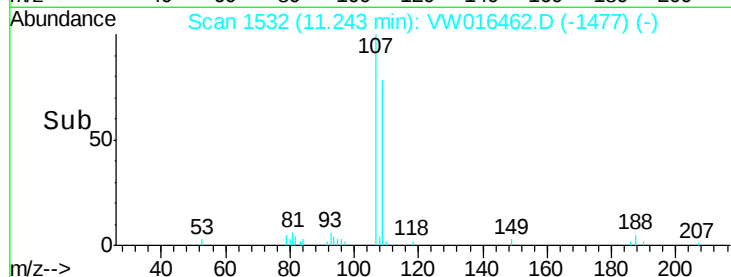
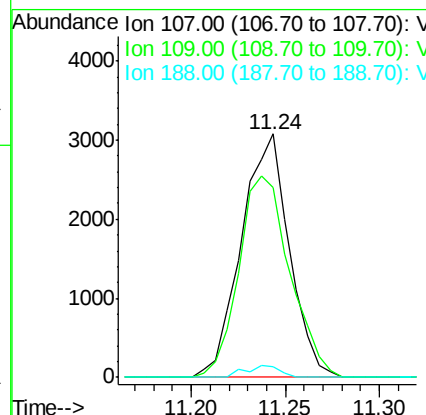
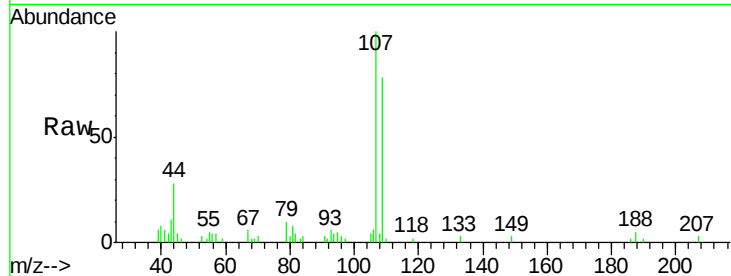
#51
1,2-Dibromoethane
Concen: 0.817 ug/L
RT: 11.24 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	77.8	64.8	120.4
188	4.6	3.4	5.0

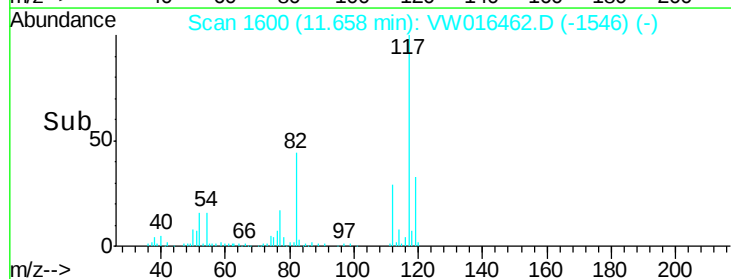
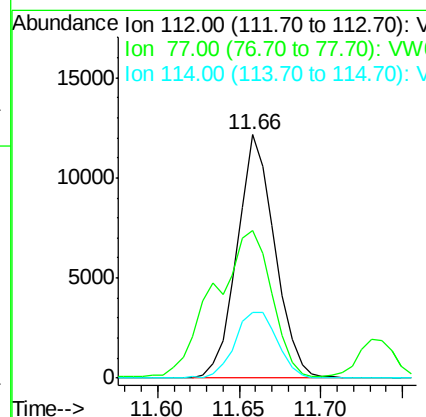
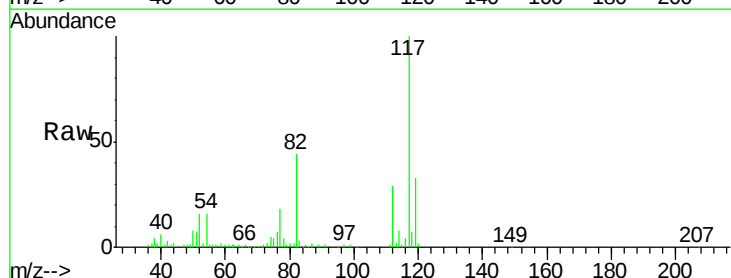
Manual Integrations
APPROVED

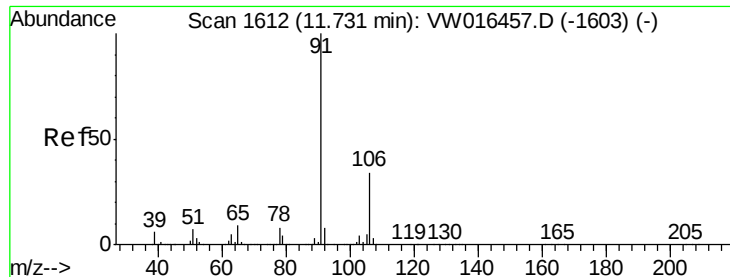
MMDadoda
9/8/2020 10:14:42 AM



#52
Chlorobenzene
Concen: 0.813 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.6	46.2	69.2
114	27.1	21.1	39.3





#53

Ethylbenzene

Concen: 0.790 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion: 91 Resp: 33725

Ion Ratio Lower Upper

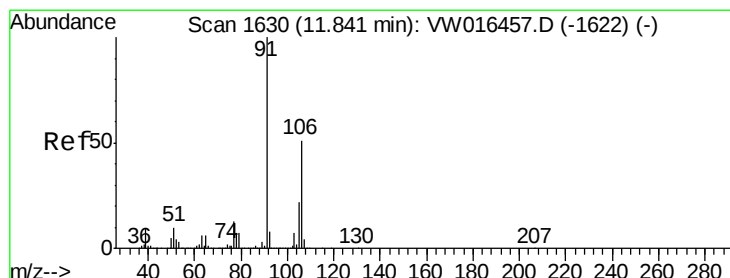
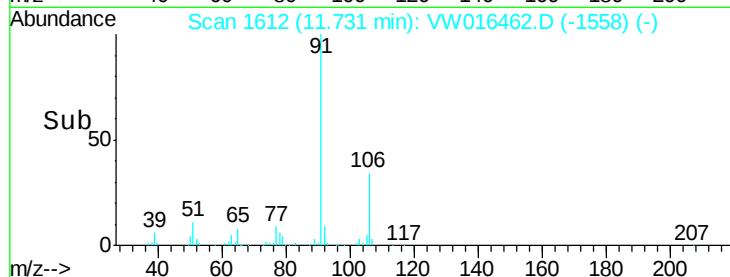
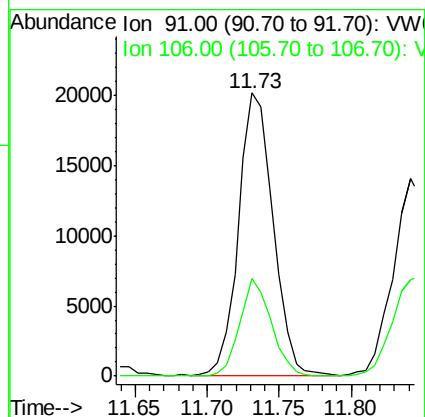
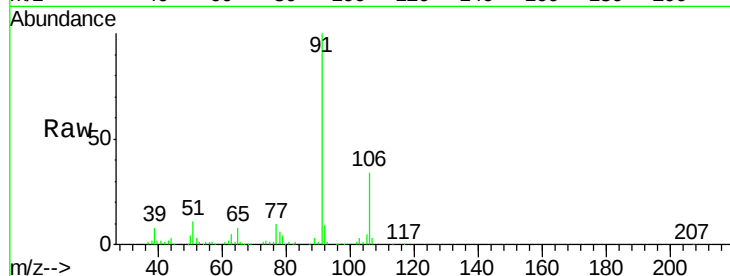
91 100

106 34.3 21.6 40.2

Manual Integrations
APPROVED

MMDadoda

9/8/2020 10:14:42 AM



#54

m,p-Xylene

Concen: 0.835 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW016462.D

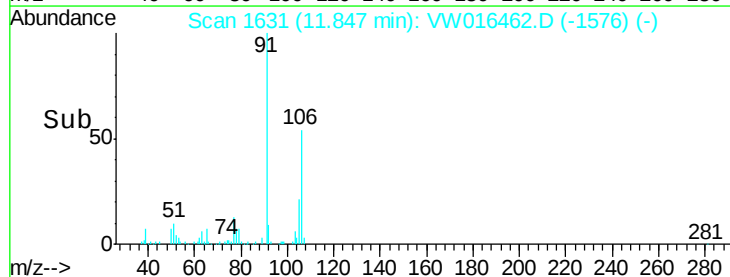
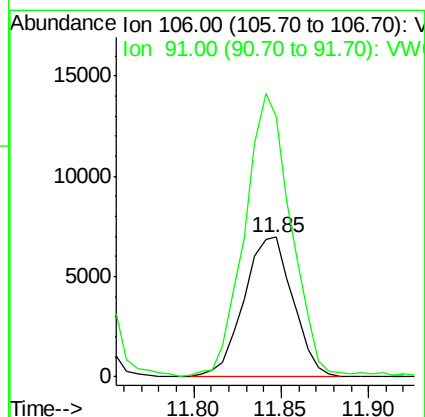
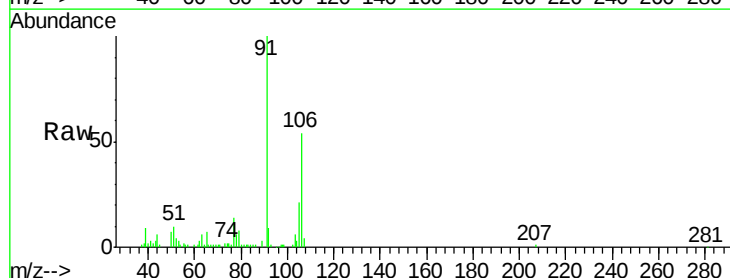
Acq: 04 Sep 2020 14:06

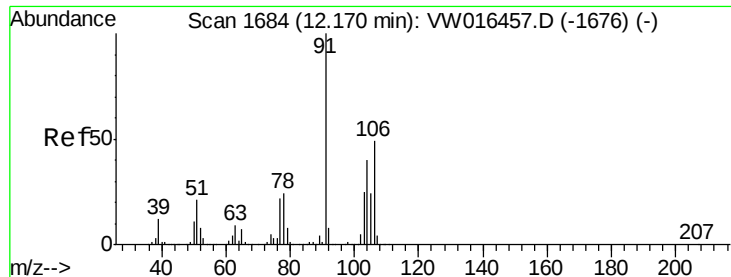
Tgt Ion: 106 Resp: 13620

Ion Ratio Lower Upper

106 100

91 186.2 142.3 264.3





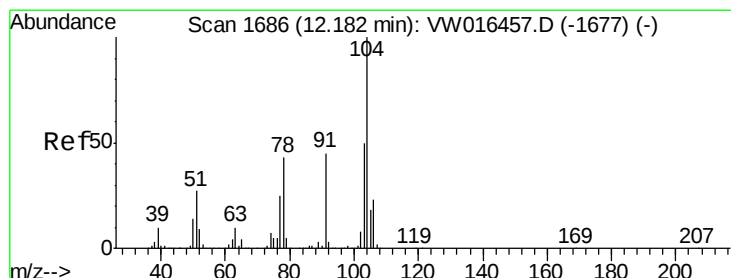
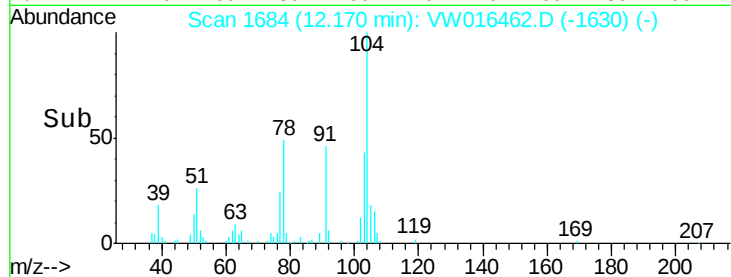
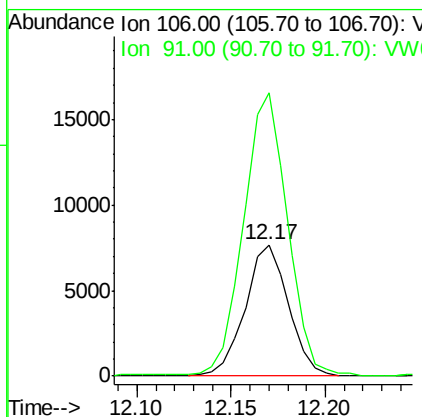
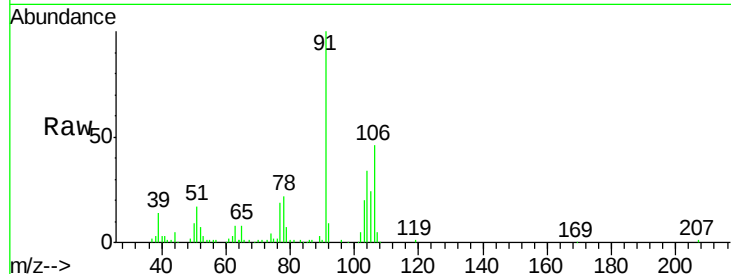
#55
o-xylene
Concen: 0.786 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.4	144.3	267.9

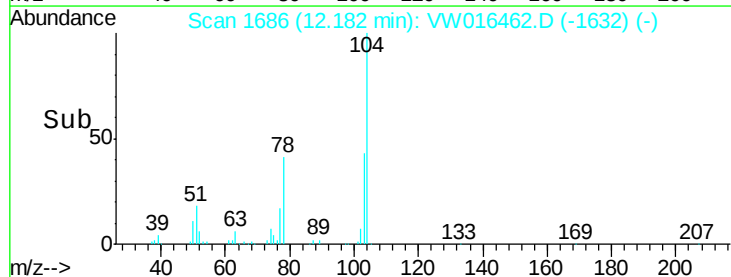
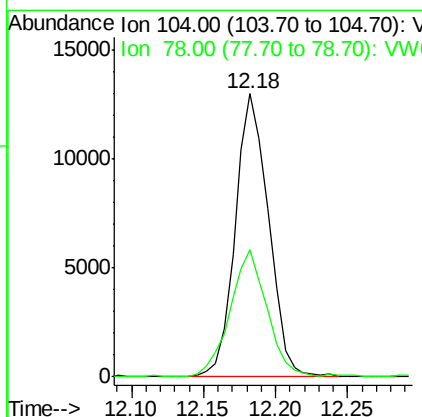
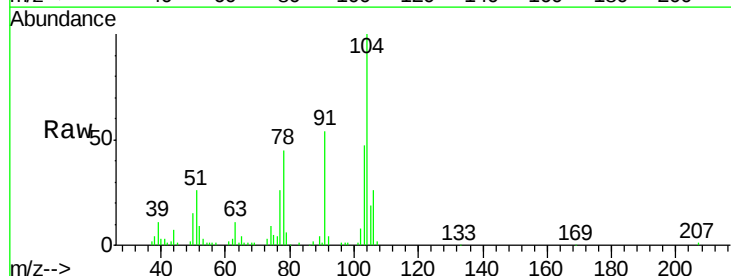
Manual Integrations
APPROVED

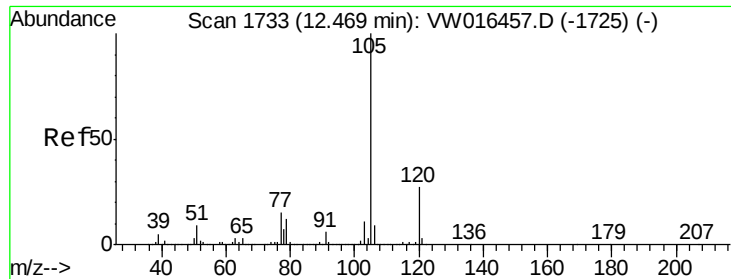
MMDadoda
9/8/2020 10:14:42 AM



#56
Styrene
Concen: 0.781 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016462.D
Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.0	32.8	61.0





#57

Isopropylbenzene

Concen: 0.828 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

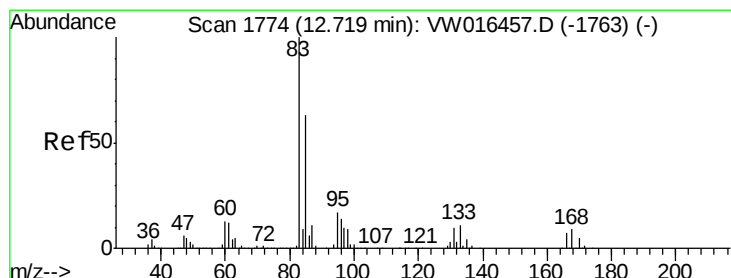
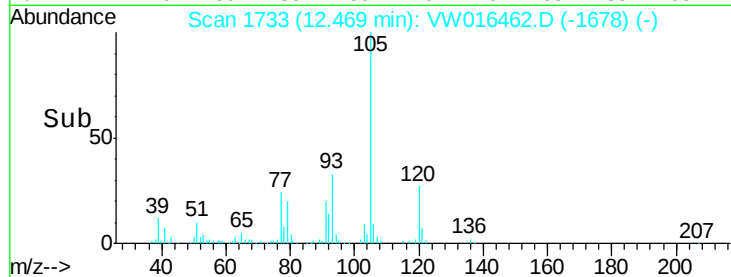
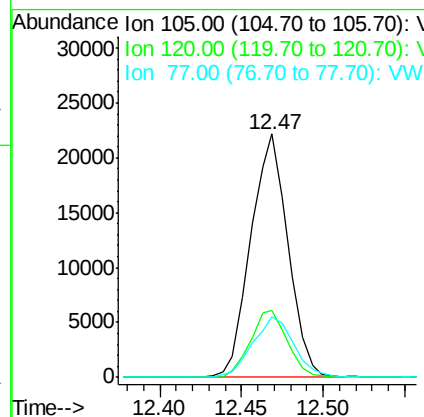
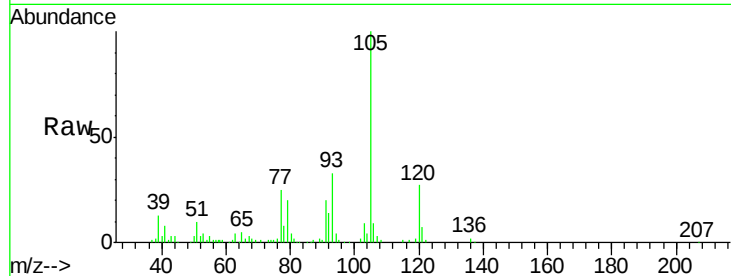
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	35242
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.9	32.9
77	27.7	13.0	19.6#

Manual Integrations
APPROVED

MMDadoda
9/8/2020 10:14:42 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.942 ug/L

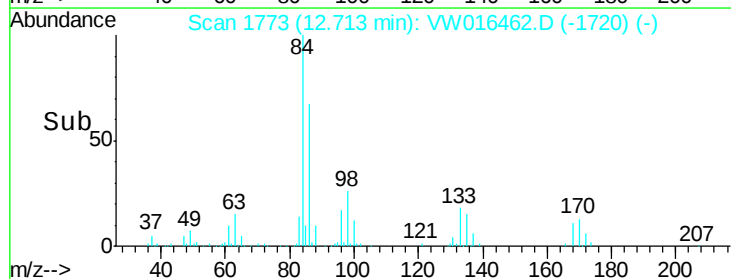
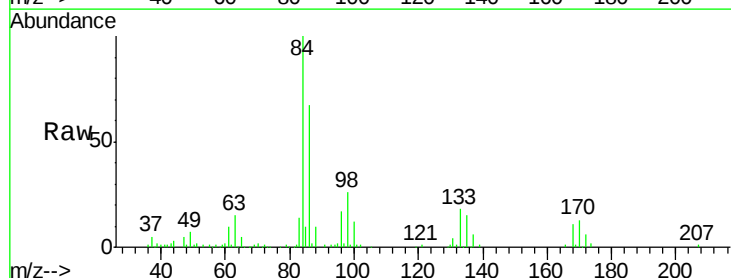
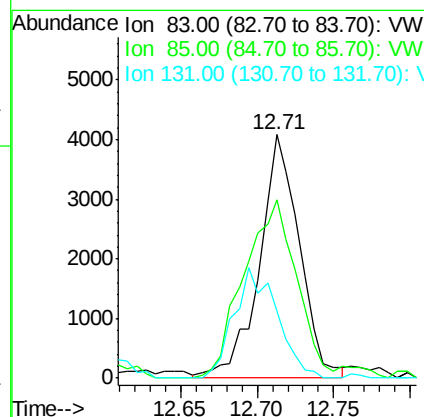
RT: 12.71 min Scan# 1773

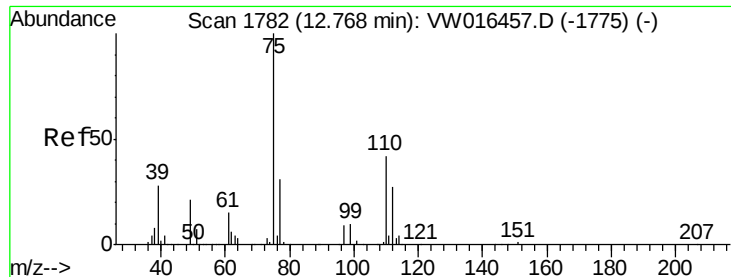
Delta R.T. -0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion:	83	Resp:	7455
Ion Ratio	Lower	Upper	
83	100		
85	73.3	45.3	84.1
131	27.3	8.7	13.1#





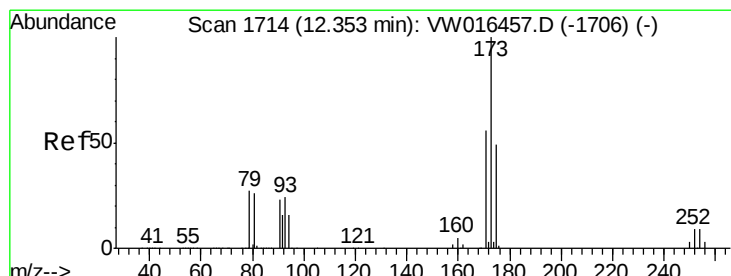
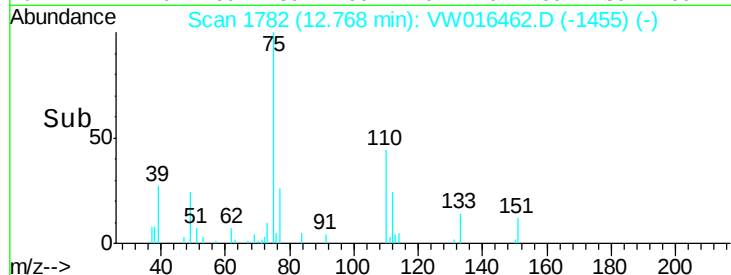
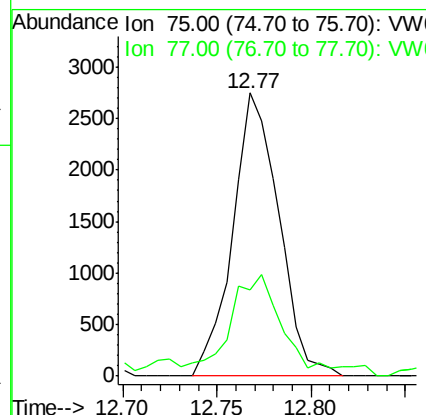
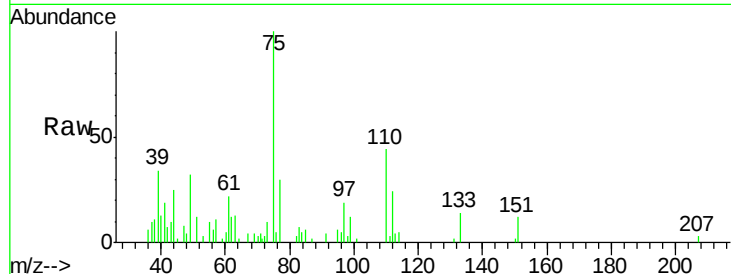
#59
 1,2,3-Trichloropropane
 Concen: 0.791 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 4677
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.0 39.0

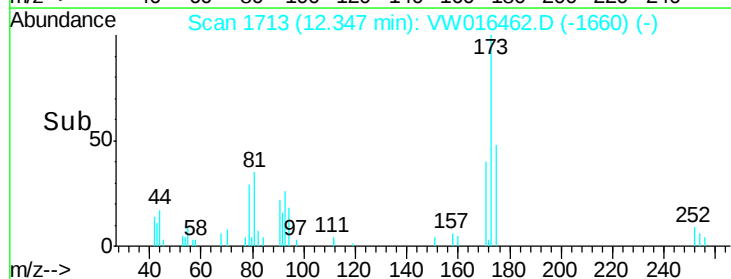
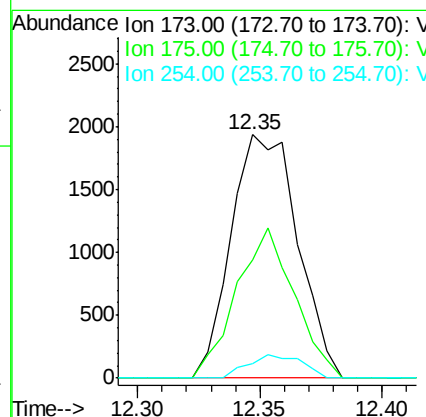
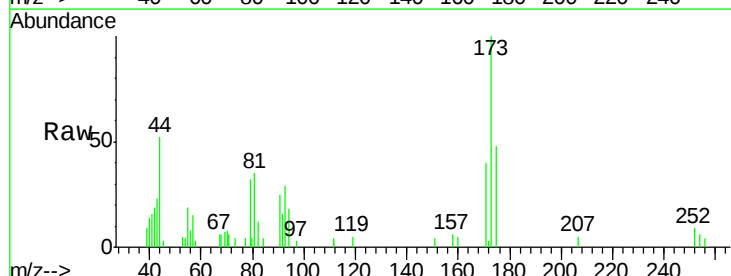
Manual Integrations
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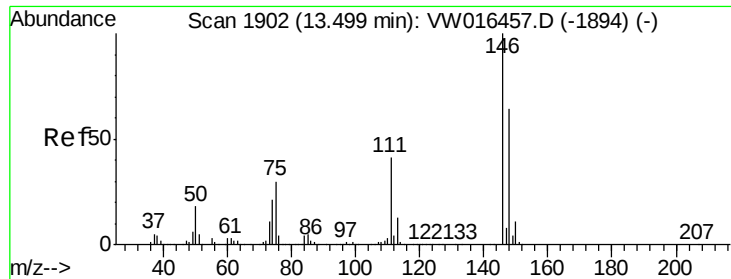
MMDadoda
 9/8/2020 10:14:42 AM



#62
 Bromoform
 Concen: 0.742 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion: 173 Resp: 3656
 Ion Ratio Lower Upper
 173 100
 175 53.6 39.2 58.8
 254 7.8 5.8 8.6





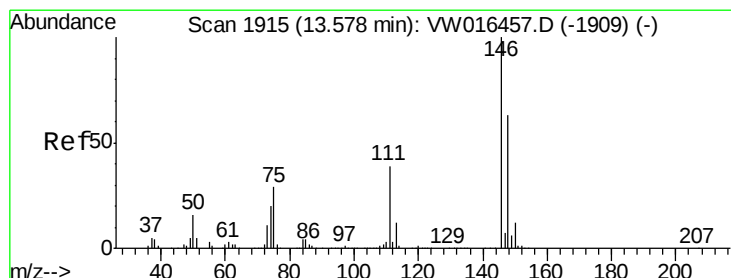
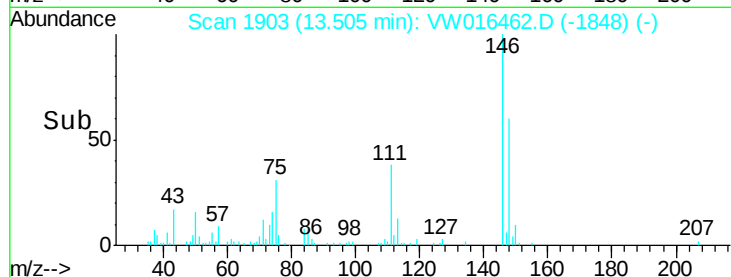
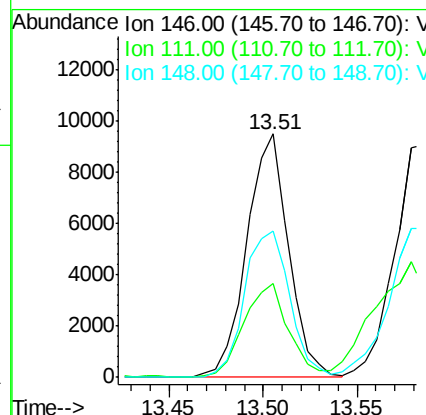
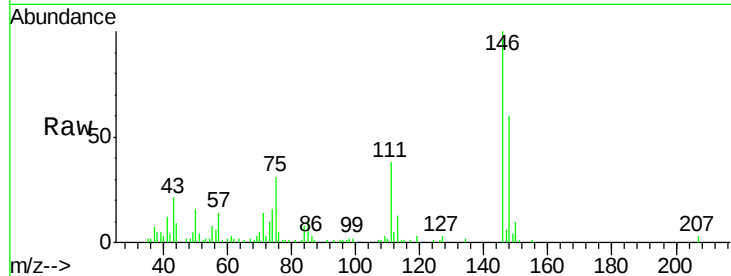
#63
 1,3-Dichlorobenzene
 Concen: 0.788 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.5	49.3
148	59.9	41.3	76.7

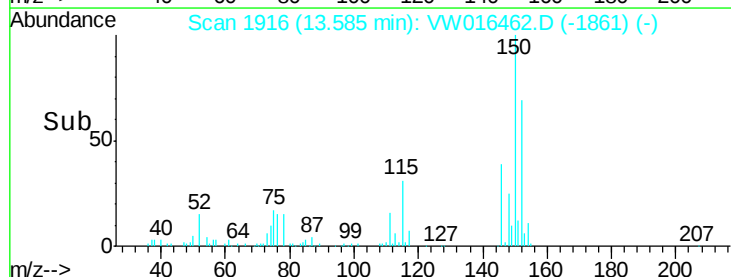
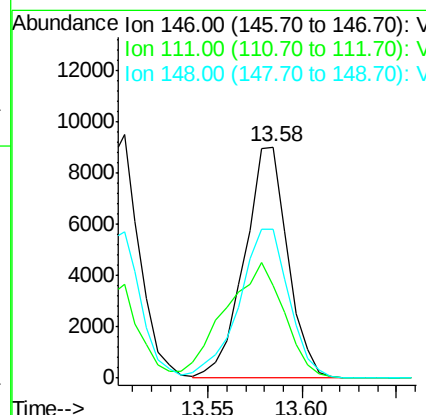
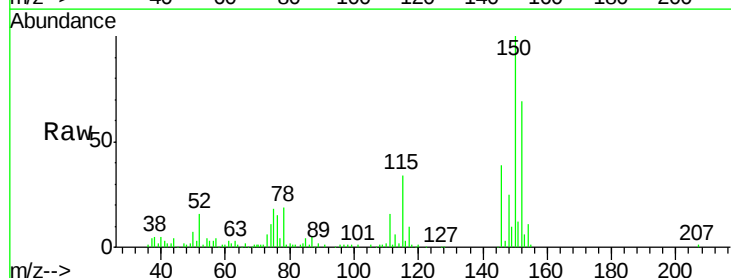
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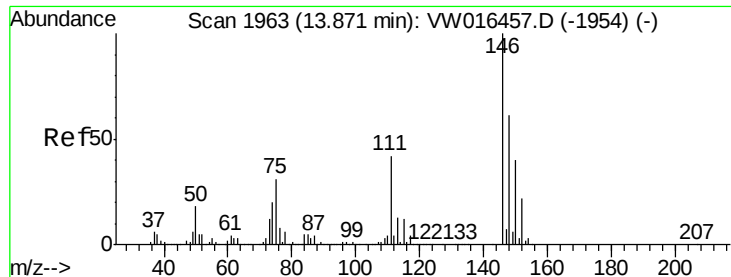
MMDadoda
 9/8/2020 10:14:42 AM



#64
 1,4-Dichlorobenzene
 Concen: 0.788 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW016462.D
 Acq: 04 Sep 2020 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	26.4	49.0
148	64.3	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 0.841 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

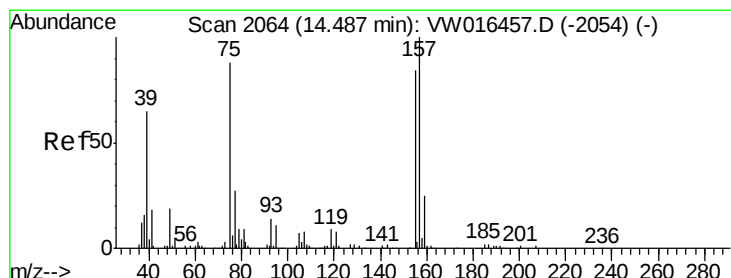
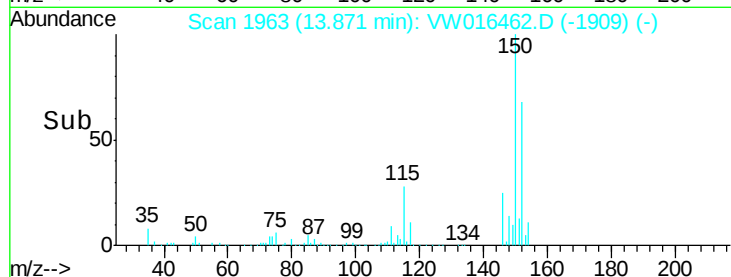
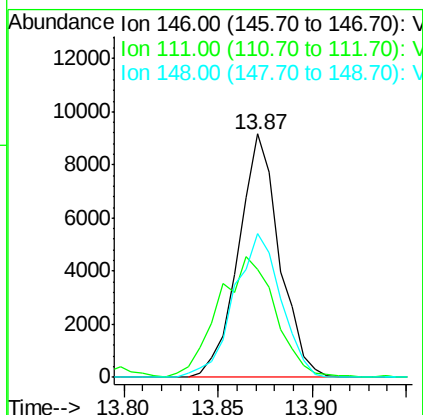
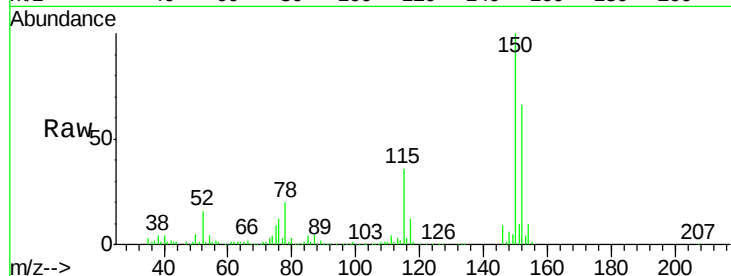
ClientSampleId :

MDL04

Tot Ion:	146	Resp:	13807
Ion	Ratio	Lower	Upper
146	100		
111	44.1	35.3	52.9
148	59.3	49.8	74.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.836 ug/L

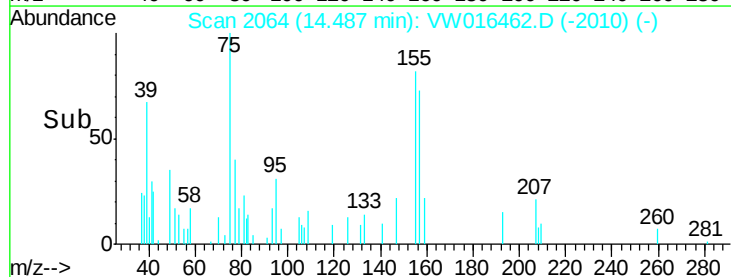
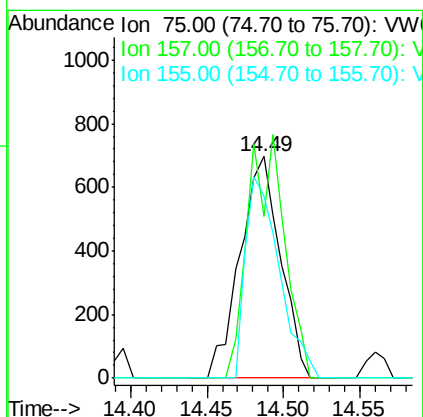
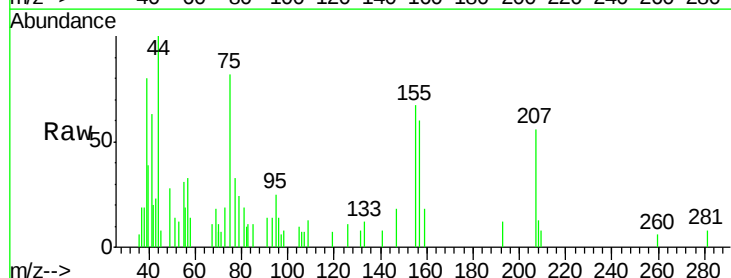
RT: 14.49 min Scan# 2064

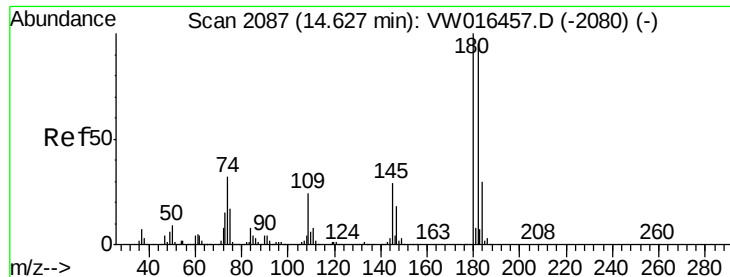
Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion:	75	Resp:	1279
Ion	Ratio	Lower	Upper
75	100		
157	73.2	91.4	137.0#
155	82.2	71.3	106.9





#67

1,3,5-Trichlorobenzene

Concen: 0.776 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

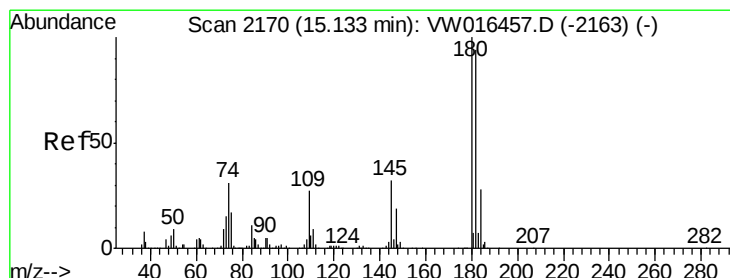
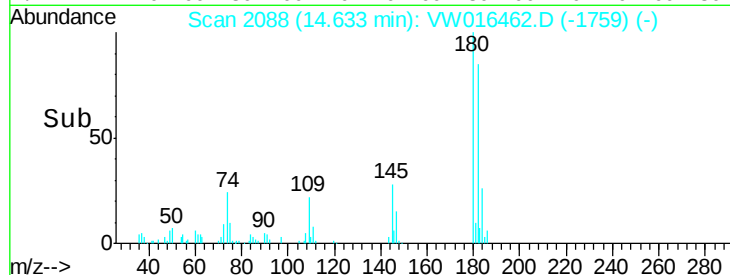
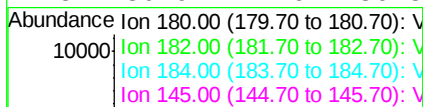
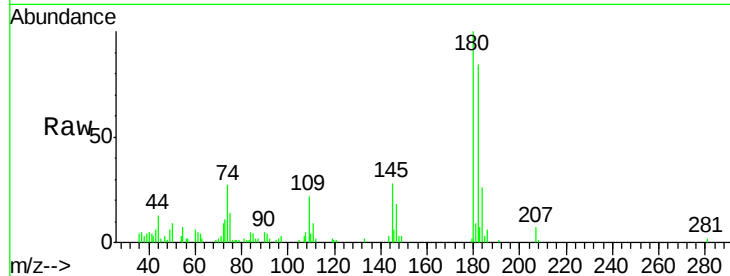
ClientSampled :

MDL04

Tot Ion:	180	Resp:	9886
Ion	Ratio	Lower	Upper
180	100		
182	90.5	75.8	113.8
184	28.6	24.2	36.2
145	30.9	24.6	36.8

Manual Integrations
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#68

1,2,4-trichlorobenzene

Concen: 0.729 ug/L

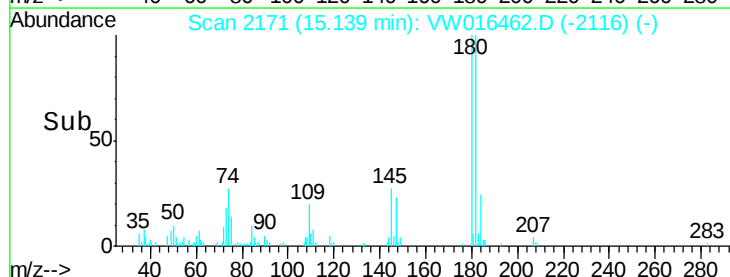
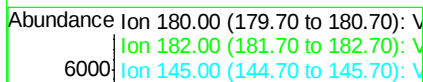
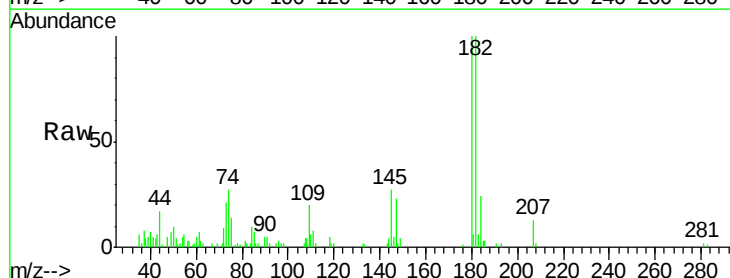
RT: 15.14 min Scan# 2171

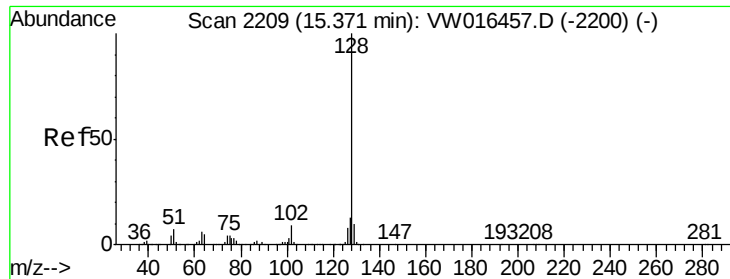
Delta R.T. 0.01 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion:	180	Resp:	8028
Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.5	117.7
145	31.9	25.6	38.4





#69

Naphthalene

Concen: 0.672 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Instrument :

MSVOA_W

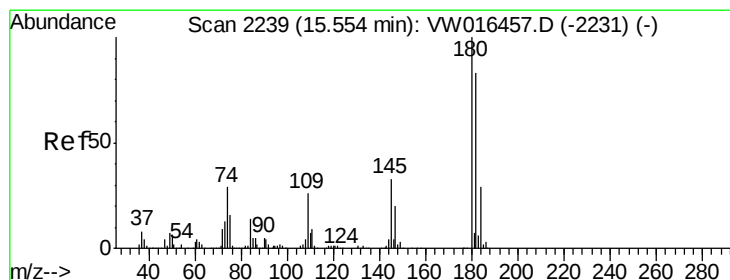
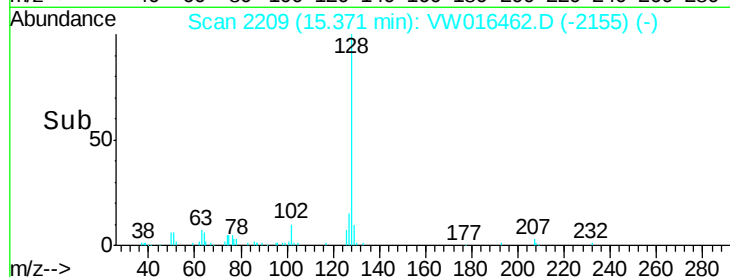
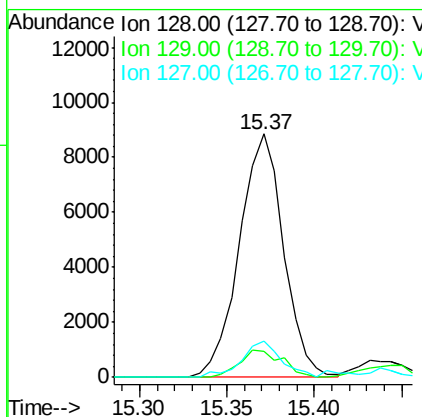
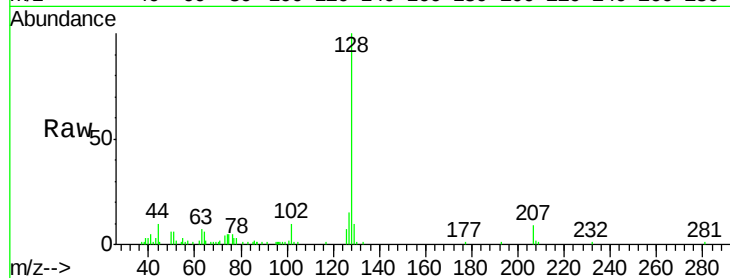
ClientSampleId :

MDL04

Tot Ion:	128	Resp:	15620
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.7	13.1
127	13.3	10.5	15.7

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 0.704 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016462.D

Acq: 04 Sep 2020 14:06

Tgt Ion:	180	Resp:	6663
Ion Ratio	Lower	Upper	
180	100		
182	92.2	76.1	114.1
145	35.7	28.1	42.1

